

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010319\
 Data File : VF061266.D
 Acq On : 3 Jan 2019 15:46
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
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 1/4/2019 2:12:36 PM

Quant Time: Jan 04 02:56:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010319S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:39:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	206405	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	367614	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	328875	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	162479	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	124136	46.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.72%	
35) Dibromofluoromethane	4.12	113	134225	45.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.40%	
50) Toluene-d8	7.56	98	412462	49.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.54%	
62) 4-Bromofluorobenzene	11.41	95	176355	45.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.88%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	199280	44.472	ug/l	100
3) Chloromethane	1.10	50	145780	54.409	ug/l	100
4) Vinyl Chloride	1.14	62	136838	55.214	ug/l	100
5) Bromomethane	1.33	94	92463	53.987	ug/l	100
6) Chloroethane	1.38	64	59625	52.522	ug/l	100
7) Trichlorofluoromethane	1.49	101	241506	51.823	ug/l	100
8) Diethyl Ether	1.63	74	31026	49.001	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.82	101	120350	49.406	ug/l	100
10) Methyl Iodide	1.89	142	188701m	49.386	ug/l	
11) Tert butyl alcohol	2.57	59	25668	242.609	ug/l	100
12) 1,1-Dichloroethene	1.79	96	94507	51.758	ug/l	100
13) Acrolein	2.01	56	19634	247.396	ug/l	100
14) Allyl chloride	2.10	41	145885	70.022	ug/l	100
15) Acrylonitrile	2.95	53	68902	275.777	ug/l	100
16) Acetone	2.24	43	101280	200.768	ug/l	100
17) Carbon Disulfide	1.83	76	300575	53.705	ug/l	100
18) Methyl Acetate	2.35	43	49004	44.656	ug/l	100
19) Methyl tert-butyl Ether	2.43	73	186900	46.839	ug/l	100
20) Methylene Chloride	2.19	84	100170m	49.786	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	102363	51.547	ug/l	100
22) Diisopropyl ether	2.81	45	334319	52.404	ug/l	100
23) Vinyl Acetate	3.19	43	737834	253.422	ug/l	100
24) 1,1-Dichloroethane	2.88	63	207964	54.830	ug/l	100
25) 2-Butanone	4.35	43	212017	247.043	ug/l	100
26) 2,2-Dichloropropane	3.61	77	121054	55.246	ug/l	100
27) cis-1,2-Dichloroethene	3.48	96	150148	49.984	ug/l	100
28) Bromochloromethane	3.72	49	90353	47.996	ug/l	100
29) Tetrahydrofuran	4.08	42	84740	242.056	ug/l	100
30) Chloroform	3.86	83	285753	50.912	ug/l	100
31) Cyclohexane	3.70	56	217948	54.858	ug/l	100
32) 1,1,1-Trichloroethane	4.10	97	207595	59.264	ug/l	100
36) 1,1-Dichloropropene	4.29	75	226809	51.012	ug/l	100
37) Ethyl Acetate	4.11	43	78231	43.578	ug/l	100
38) Carbon Tetrachloride	3.99	117	184000	53.657	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	241787	59.188	ug/l	100
40) Benzene	4.63	78	496689	51.597	ug/l	100
41) Methacrylonitrile	4.75	41	41301	44.894	ug/l	100
42) 1,2-Dichloroethane	4.95	62	157296	44.460	ug/l	100
43) Isopropyl Acetate	6.96	43	103628	48.348	ug/l	100
44) Trichloroethene	5.51	130	145781	48.756	ug/l	100
45) 1,2-Dichloropropane	6.24	63	130785	50.237	ug/l	100
46) Dibromomethane	6.09	93	78829	47.402	ug/l	100
47) Bromodichloromethane	6.39	83	207396	48.181	ug/l	100
48) Methyl methacrylate	6.71	41	75764	50.661	ug/l	100
49) 1,4-Dioxane	6.71	88	10227	959.251	ug/l	100
51) 4-Methyl-2-Pentanone	8.26	43	356435	243.170	ug/l	100
52) Toluene	7.63	92	320110	50.307	ug/l	100
53) t-1,3-Dichloropropene	8.28	75	165456	47.163	ug/l	100
54) cis-1,3-Dichloropropene	7.31	75	211283	47.905	ug/l	100
55) 1,1,2-Trichloroethane	8.50	97	88352	46.735	ug/l	100
56) Ethyl methacrylate	8.63	69	100556	49.252	ug/l	100
57) 1,3-Dichloropropane	8.85	76	166816	48.672	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.30	63	63030	169.353	ug/l	100
59) 2-Hexanone	9.50	43	254183	241.222	ug/l	100
60) Dibromochloromethane	8.72	129	126223	47.300	ug/l	100
61) 1,2-Dibromoethane	8.99	107	97984	48.731	ug/l	100
64) Tetrachloroethene	8.15	164	129411	50.649	ug/l	100
65) Chlorobenzene	9.80	112	345909	50.335	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.94	131	138678	49.362	ug/l	100
67) Ethyl Benzene	9.90	91	651453	51.748	ug/l	100
68) m/p-Xylenes	10.14	106	439098	99.775	ug/l	100
69) o-Xylene	10.72	106	257441	52.273	ug/l	100
70) Styrene	10.79	104	330901	48.608	ug/l	100
71) Bromoform	10.78	173	63926	49.396	ug/l	100
73) Isopropylbenzene	11.13	105	720057	51.383	ug/l	100
74) N-amyl acetate	11.37	43	162512	51.919	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.69	83	109585	47.649	ug/l	100
76) 1,2,3-Trichloropropane	11.79	75	82207	47.994	ug/l	100
77) Bromobenzene	11.50	156	147913	49.327	ug/l	100
78) n-propylbenzene	11.60	91	803568	48.797	ug/l	100
79) 2-Chlorotoluene	11.72	91	471213	49.274	ug/l	100
80) 1,3,5-Trimethylbenzene	11.82	105	556012	48.542	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.87	75	39702m	53.088	ug/l	
82) 4-Chlorotoluene	11.90	91	481063	48.406	ug/l	100
83) tert-Butylbenzene	12.13	119	568523	48.275	ug/l	100
84) 1,2,4-Trimethylbenzene	12.21	105	539720	47.244	ug/l	100
85) sec-Butylbenzene	12.31	105	773194	49.918	ug/l	100
86) p-Isopropyltoluene	12.46	119	652338	50.645	ug/l	100
87) 1,3-Dichlorobenzene	12.47	146	271835	47.840	ug/l	100
88) 1,4-Dichlorobenzene	12.57	146	277381	49.806	ug/l	100
89) n-Butylbenzene	12.85	91	664644	49.963	ug/l	100
90) Hexachloroethane	12.92	117	162944	51.254	ug/l	100
91) 1,2-Dichlorobenzene	12.95	146	260360	48.671	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.65	75	20010	47.904	ug/l	100

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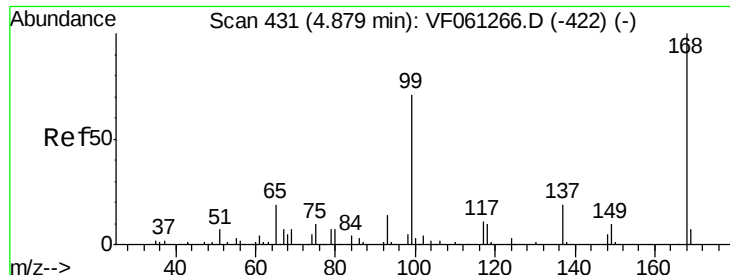
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	185976	48.784	ug/l	100
94) Hexachlorobutadiene	14.19	225	121318	49.987	ug/l	100
95) Naphthalene	14.46	128	337599	49.013	ug/l	100
96) 1,2,3-Trichlorobenzene	14.60	180	175060	50.197	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 206405

Ion Ratio Lower Upper

168 100

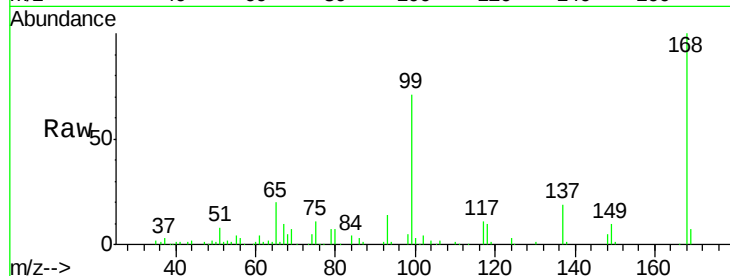
99 71.3 57.0 85.6

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

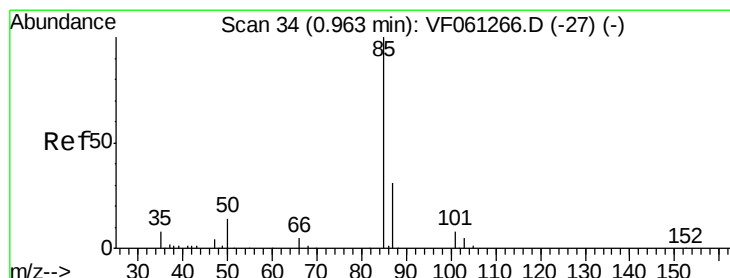
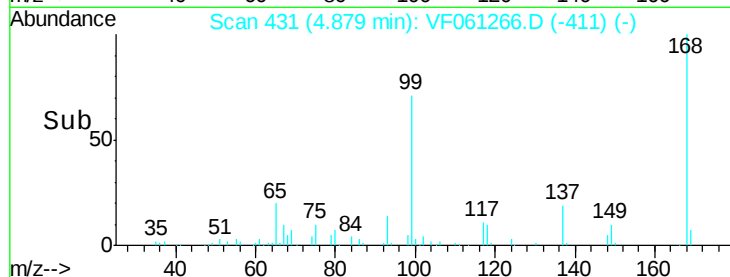
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 44.472 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF061266.D

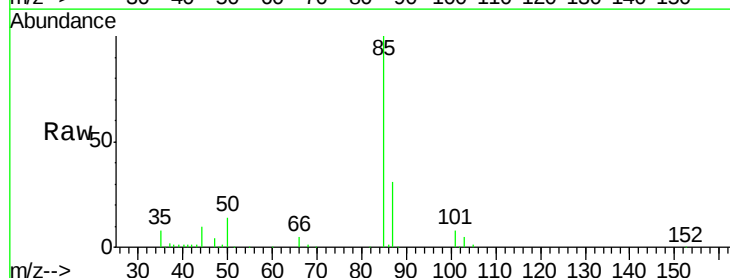
Acq: 3 Jan 2019 15:46

Tgt Ion: 85 Resp: 199280

Ion Ratio Lower Upper

85 100

87 31.2 15.6 46.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

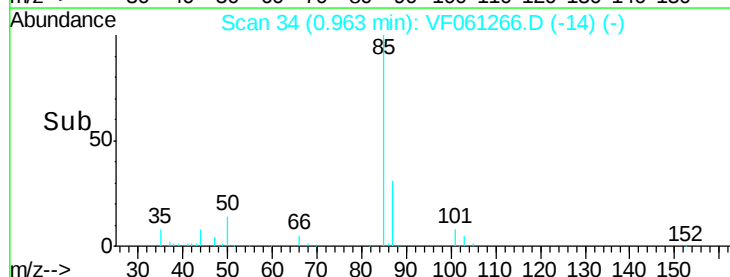
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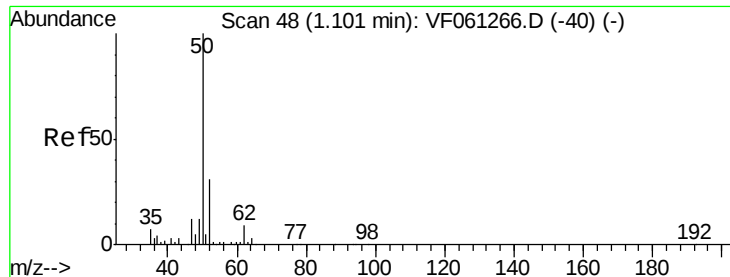
40000

20000

0

Time--> 0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 54.409 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 145780

Ion Ratio Lower Upper

50 100

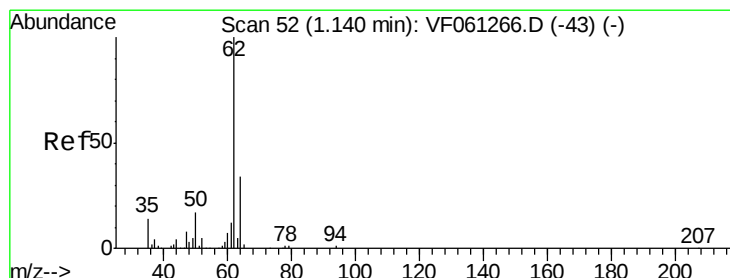
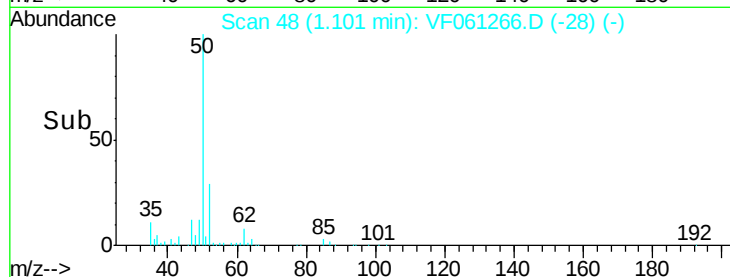
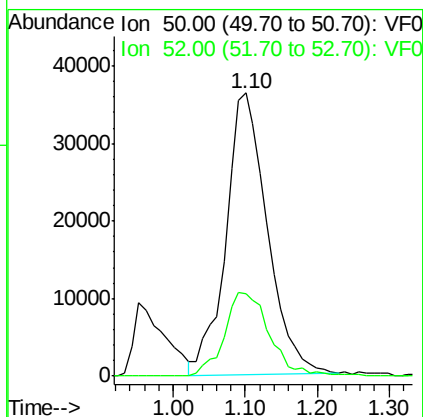
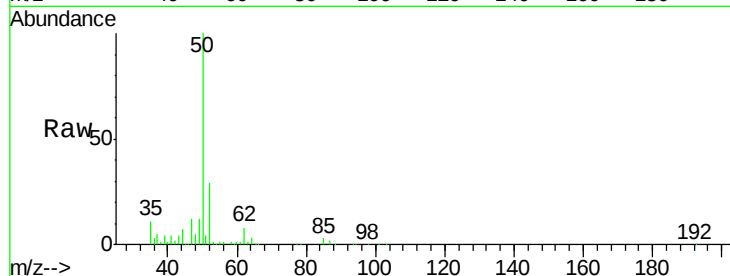
52 29.3 23.4 35.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 55.214 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF061266.D

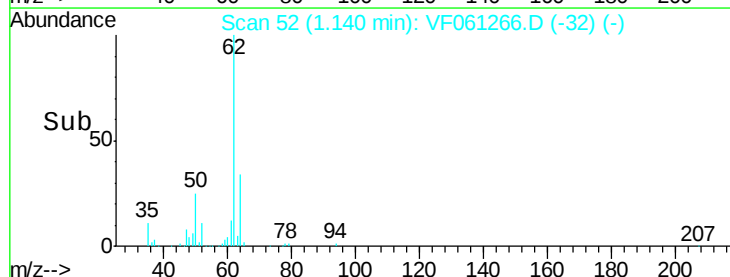
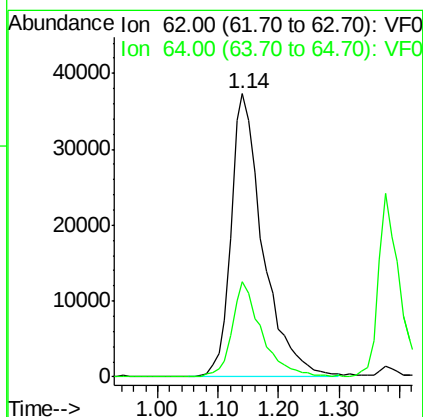
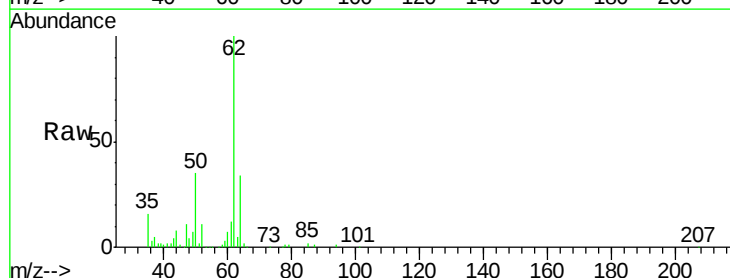
Acq: 3 Jan 2019 15:46

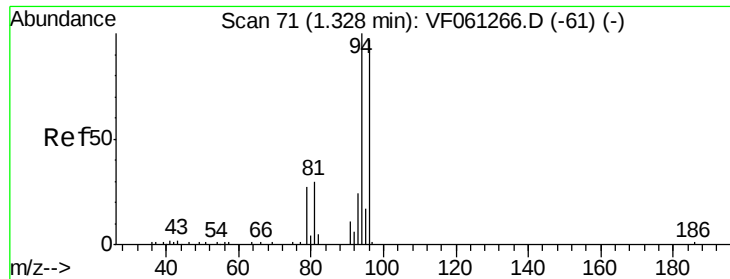
Tgt Ion: 62 Resp: 136838

Ion Ratio Lower Upper

62 100

64 33.6 26.9 40.3





#5

Bromomethane

Concen: 53.987 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 92463

Ion Ratio Lower Upper

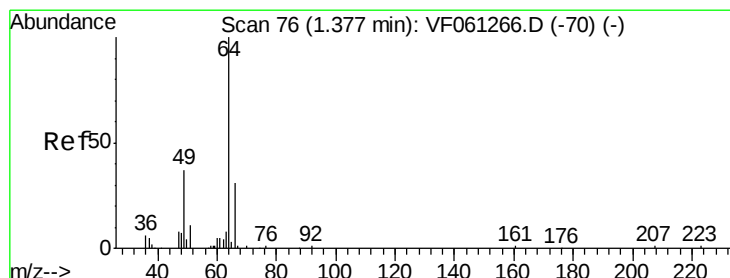
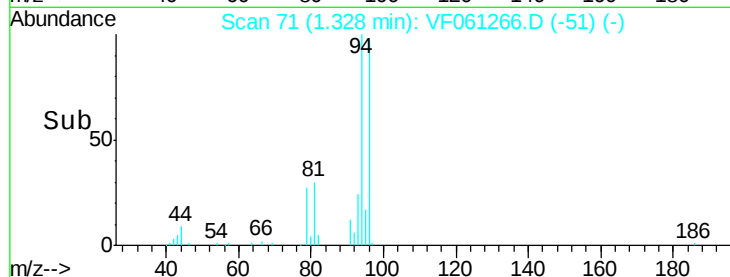
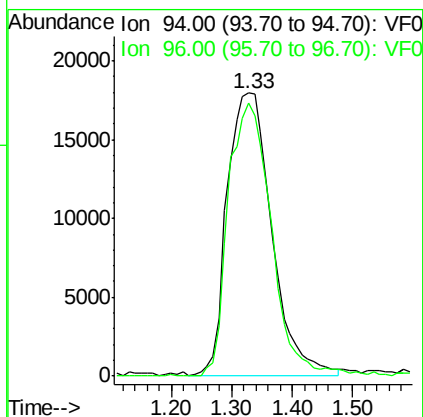
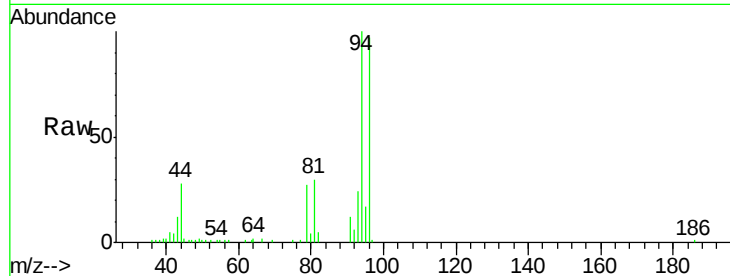
94 100

96 96.5 77.2 115.8

Manual Integrations
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#6

Chloroethane

Concen: 52.522 ug/l

RT: 1.38 min Scan# 76

Delta R.T. 0.00 min

Lab File: VF061266.D

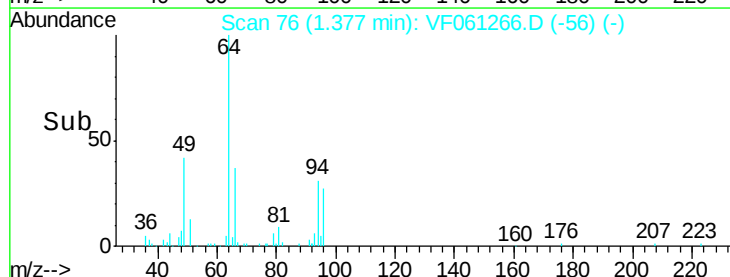
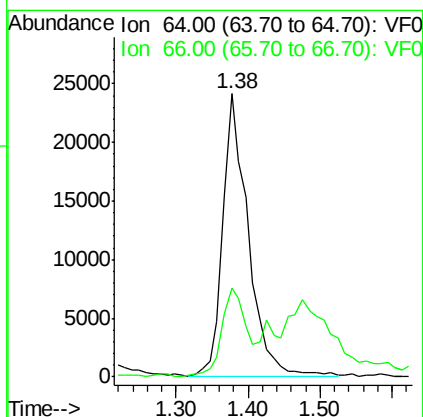
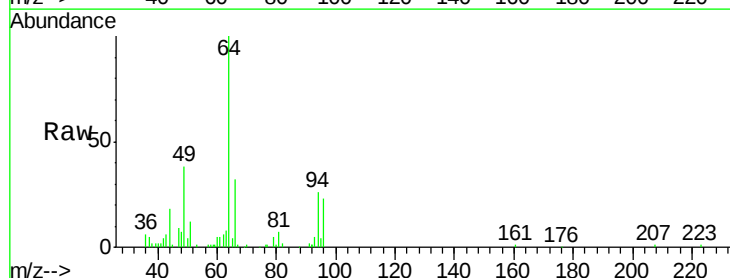
Acq: 3 Jan 2019 15:46

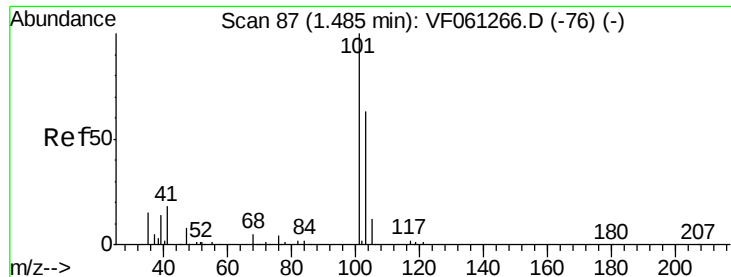
Tgt Ion: 64 Resp: 59625

Ion Ratio Lower Upper

64 100

66 31.5 25.2 37.8





#7

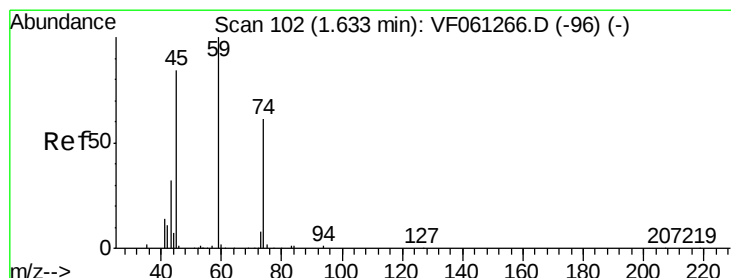
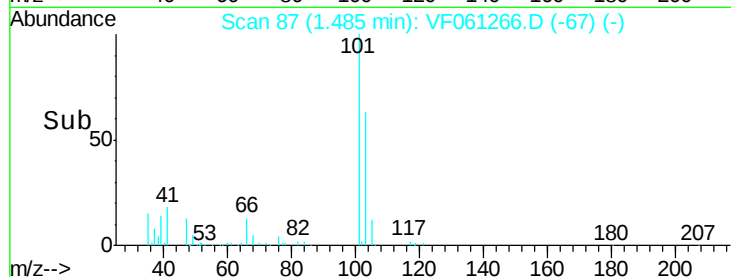
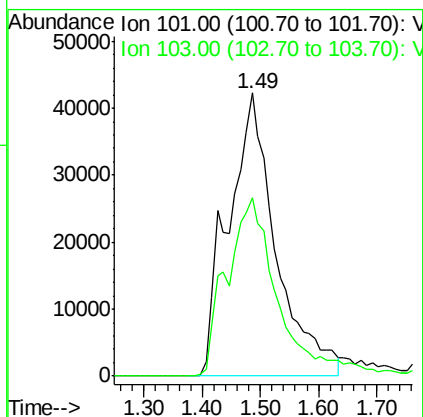
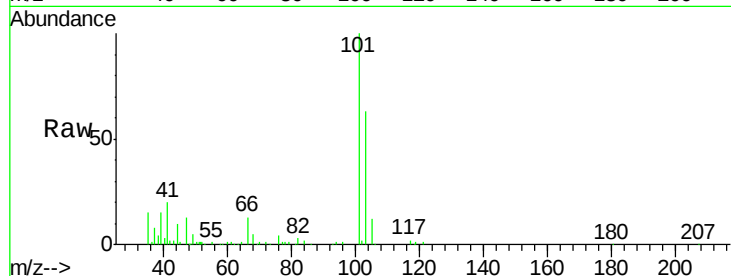
Trichlorofluoromethane
Concen: 51.823 ug/l
RT: 1.49 min Scan# 87
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

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VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	50.3	75.5

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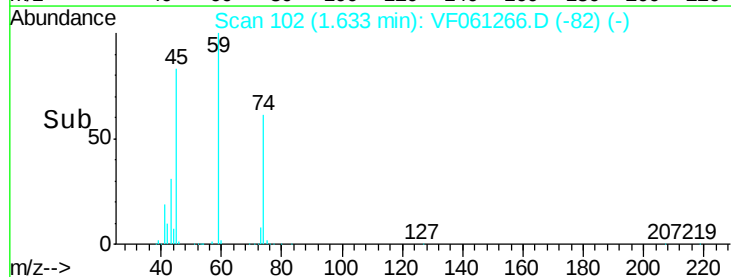
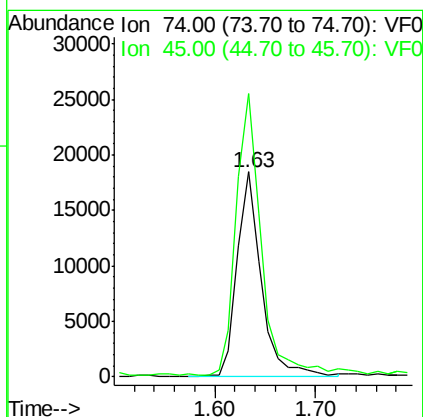
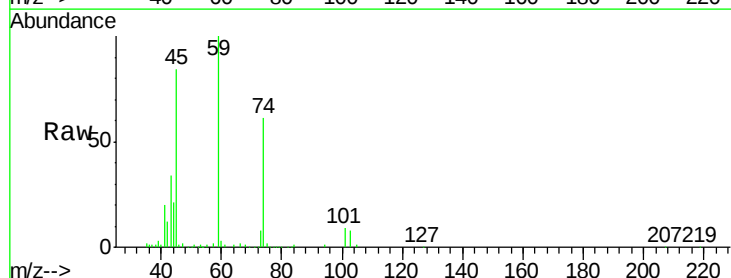
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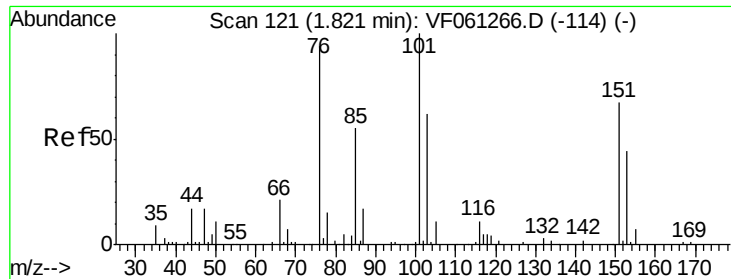


#8

Diethyl Ether
Concen: 49.001 ug/l
RT: 1.63 min Scan# 102
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	138.0	69.0	207.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.406 ug/l

RT: 1.82 min Scan# 121

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

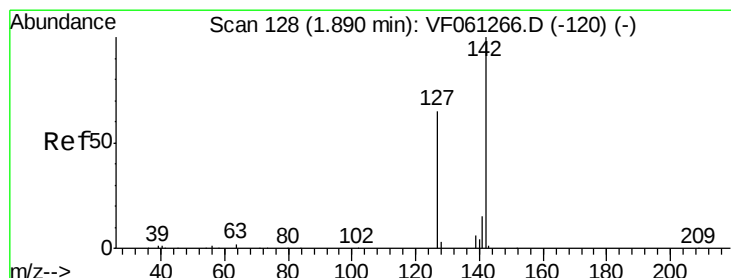
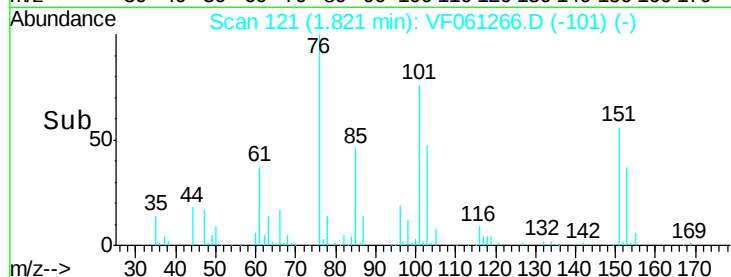
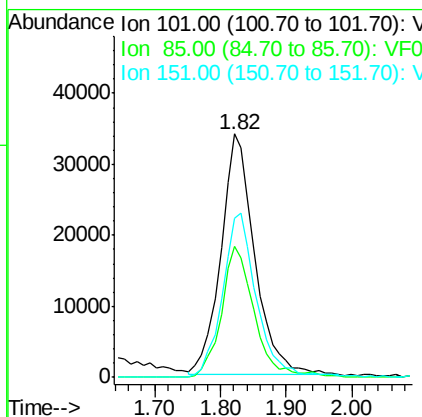
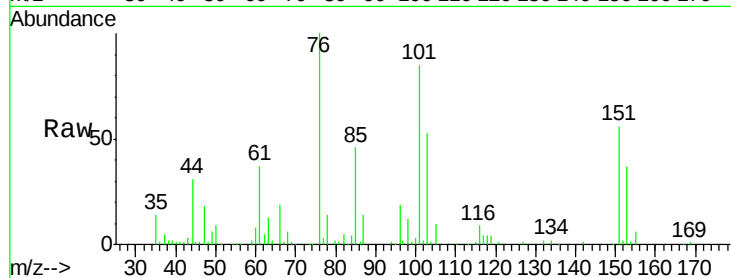
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	120350
Ion Ratio	Lower	Upper	
101	100		
85	53.6	42.9	64.3
151	65.5	52.4	78.6

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#10

Methyl Iodide

Concen: 49.386 ug/l m

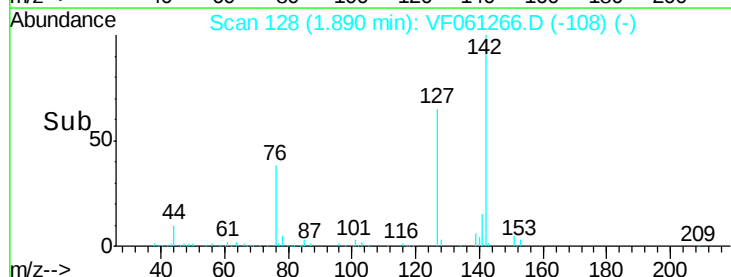
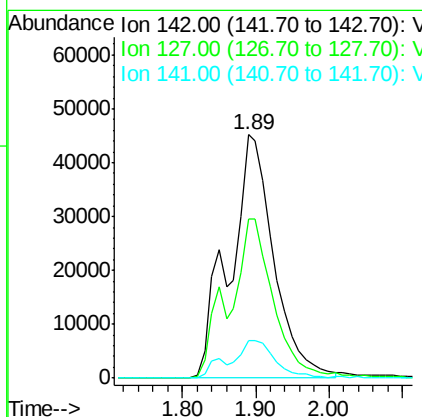
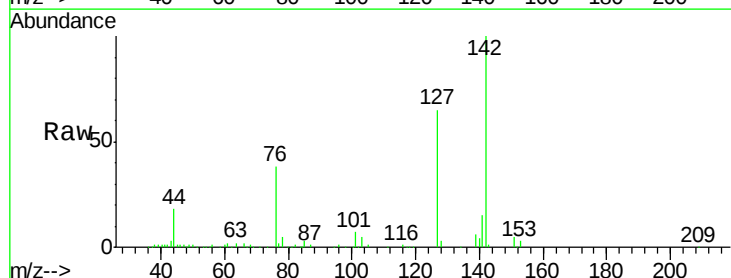
RT: 1.89 min Scan# 128

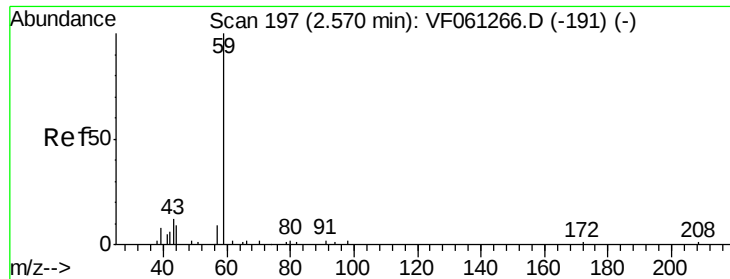
Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Tgt Ion:	142	Resp:	188701
Ion Ratio	Lower	Upper	
142	100		
127	65.4	52.3	78.5
141	15.3	12.2	18.4





#11

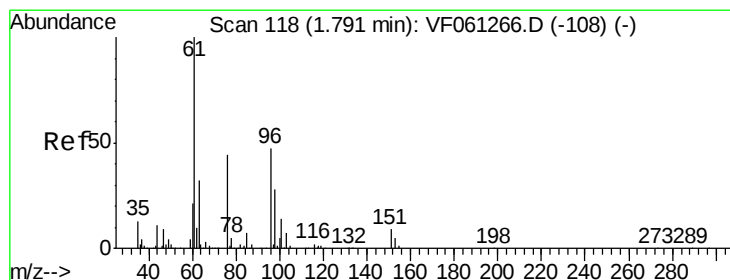
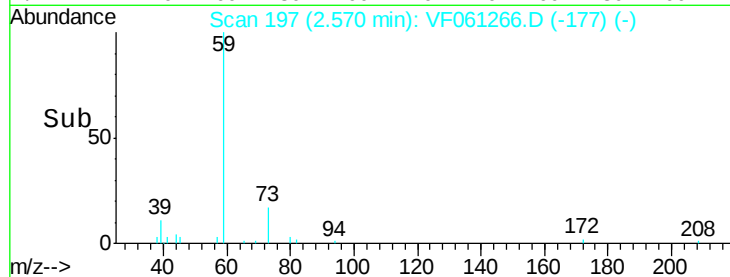
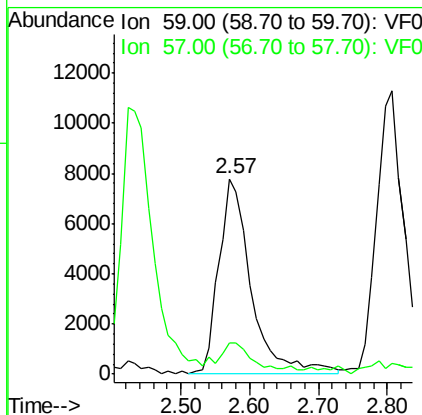
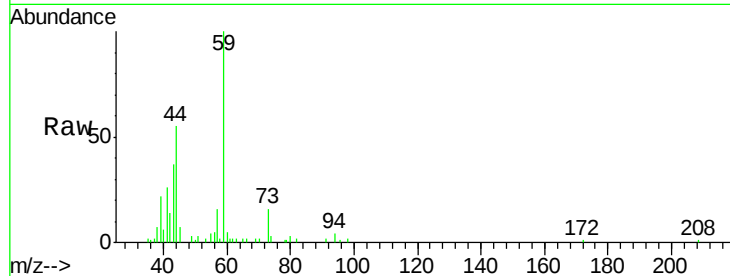
Tert butyl alcohol
Concen: 242.609 ug/l
RT: 2.57 min Scan# 197
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	59.00	Resp	25668
Ion	Ratio	Lower	Upper
59	100		
57	15.7	12.6	18.8

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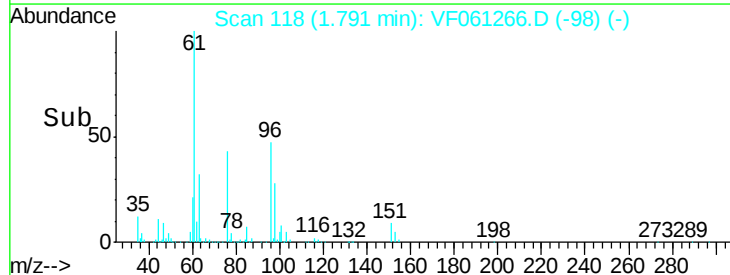
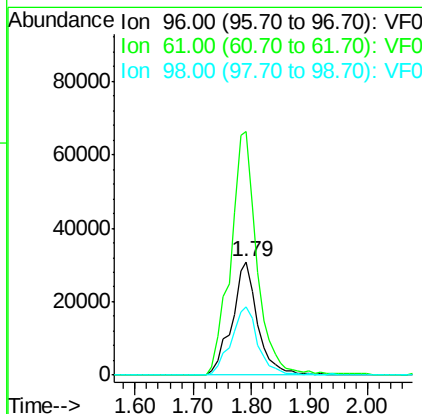
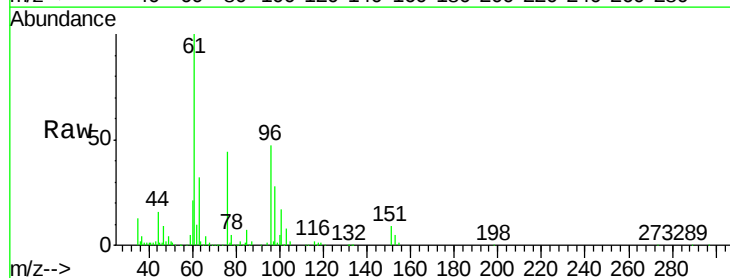
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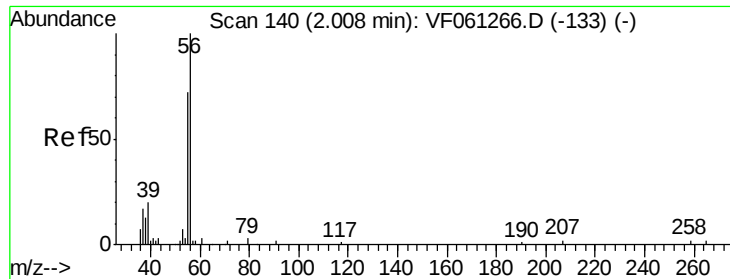


#12

1,1-Dichloroethene
Concen: 51.758 ug/l
RT: 1.79 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Tgt Ion	96	Resp	94507
Ion	Ratio	Lower	Upper
96	100		
61	214.5	171.6	257.4
98	60.7	48.6	72.8





#13

Acrolein

Concen: 247.396 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 19634

Ion Ratio Lower Upper

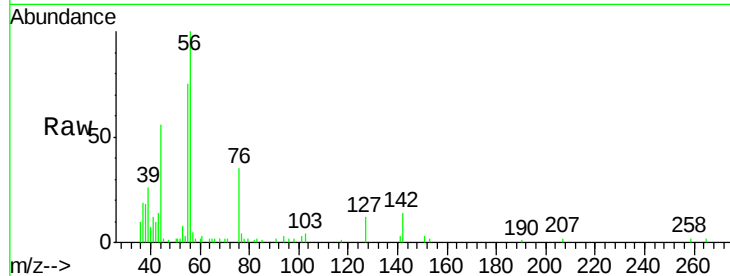
56 100

55 74.6 59.7 89.5

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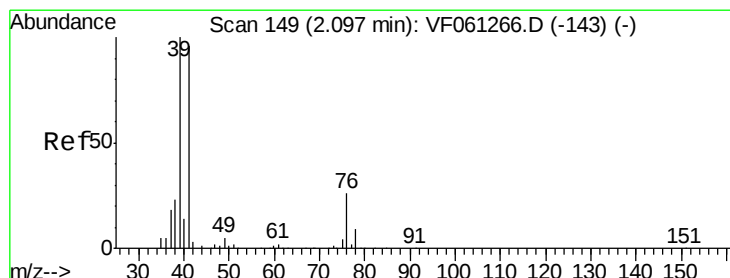
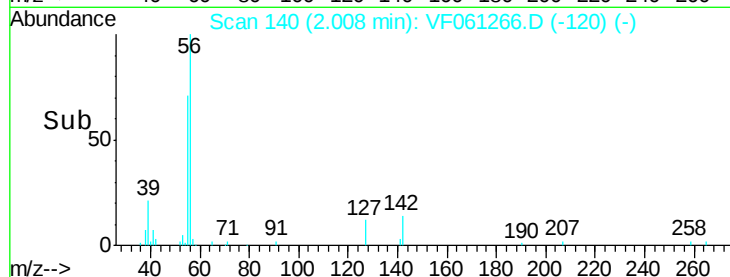
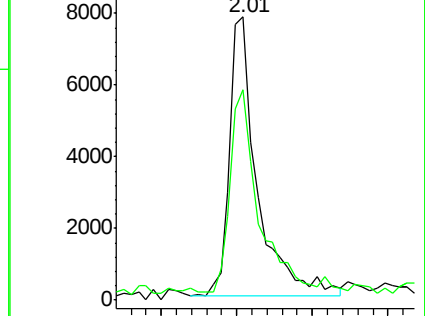
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 70.022 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

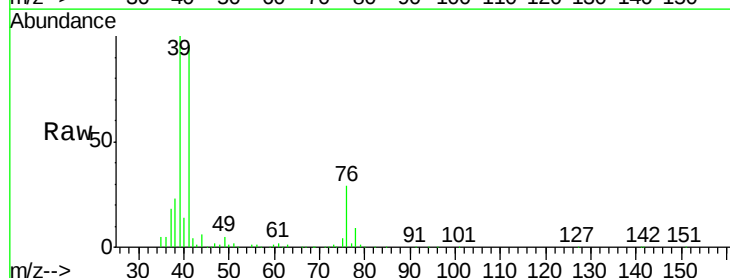
Tgt Ion: 41 Resp: 145885

Ion Ratio Lower Upper

41 100

39 104.3 83.4 125.2

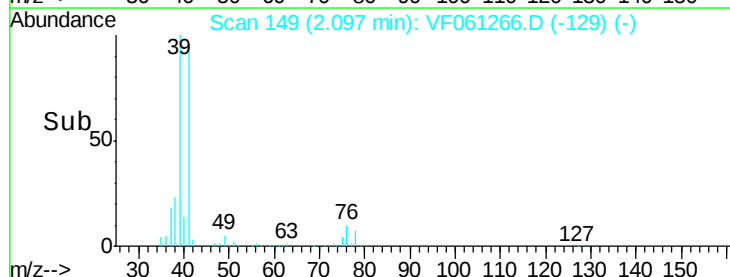
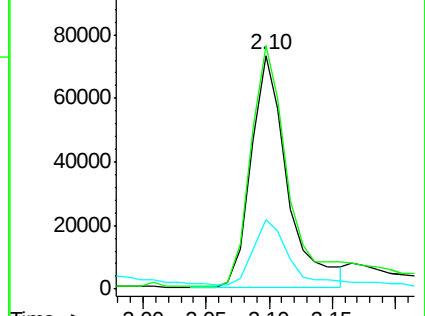
76 29.9 23.9 35.9

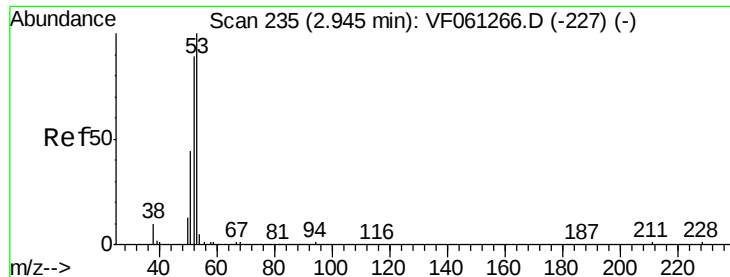


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





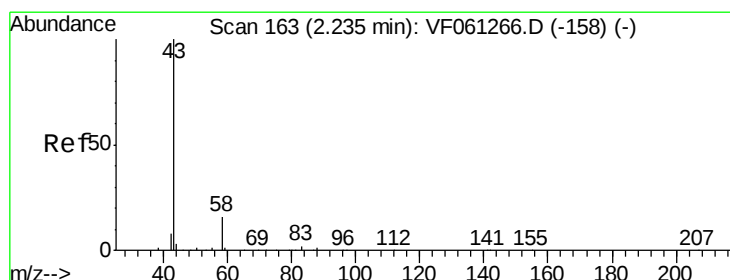
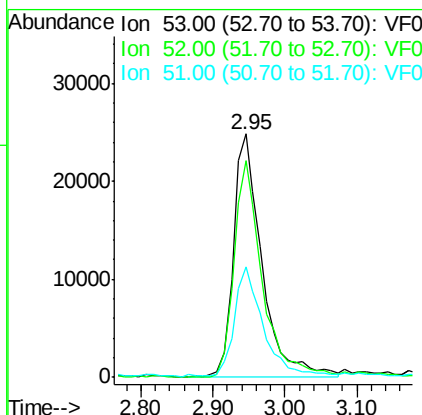
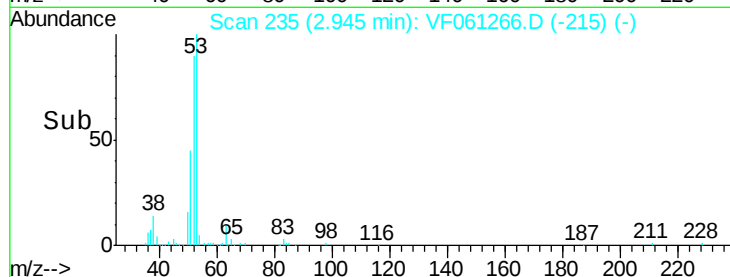
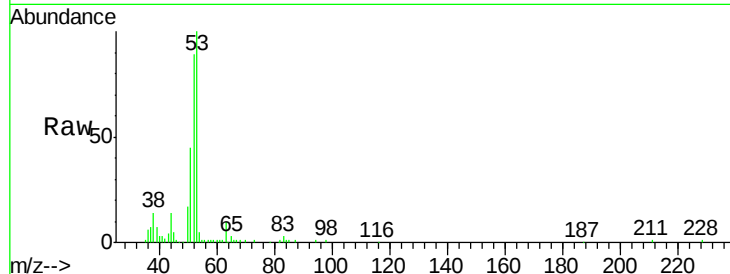
#15
 Acrylonitrile
 Concen: 275.777 ug/l
 RT: 2.95 min Scan# 235
 Delta R.T. 0.00 min
 Lab File: VF061266.D
 Acq: 3 Jan 2019 15:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion:	53	Resp:	68902
Ion	Ratio	Lower	Upper
53	100		
52	89.1	71.3	106.9
51	45.3	36.2	54.4

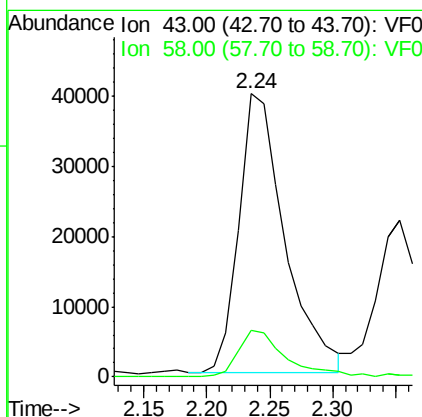
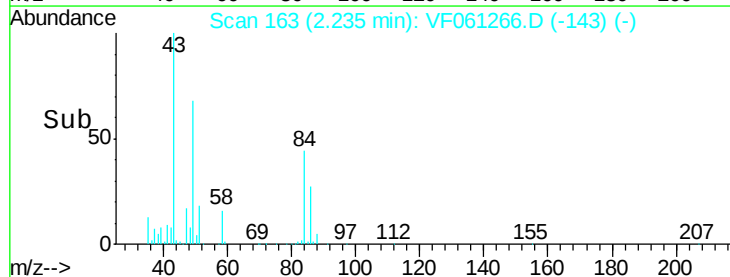
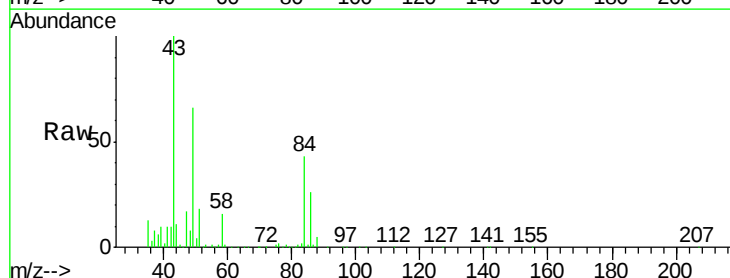
Manual Integrations
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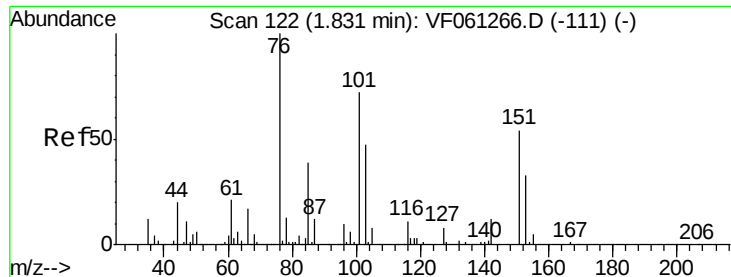
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#16
 Acetone
 Concen: 200.768 ug/l
 RT: 2.24 min Scan# 163
 Delta R.T. 0.00 min
 Lab File: VF061266.D
 Acq: 3 Jan 2019 15:46

Tgt Ion:	43	Resp:	101280
Ion	Ratio	Lower	Upper
43	100		
58	16.2	13.0	19.4





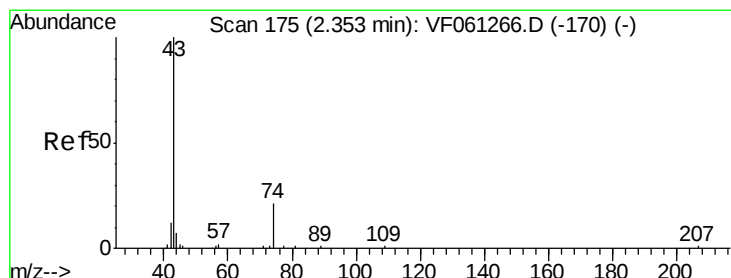
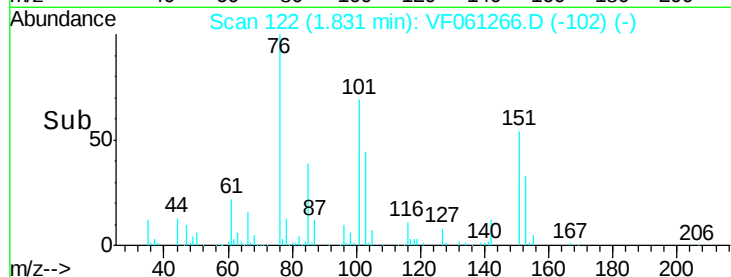
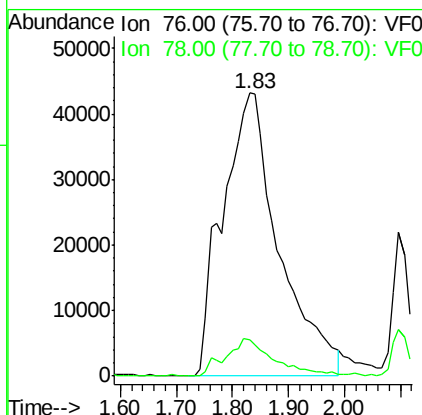
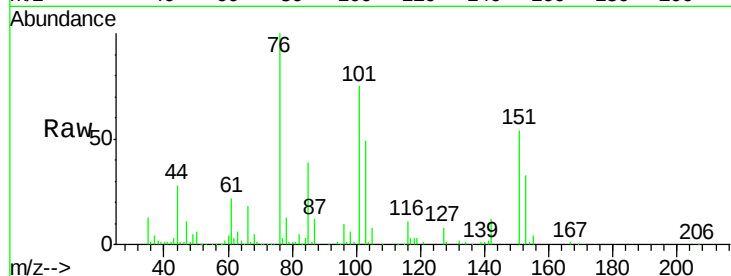
#17
Carbon Disulfide
Concen: 53.705 ug/l
RT: 1.83 min Scan# 122
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 76 Resp: 300575
Ion Ratio Lower Upper
76 100
78 12.8 10.2 15.4

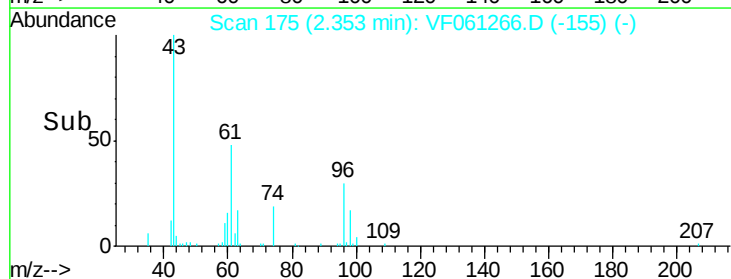
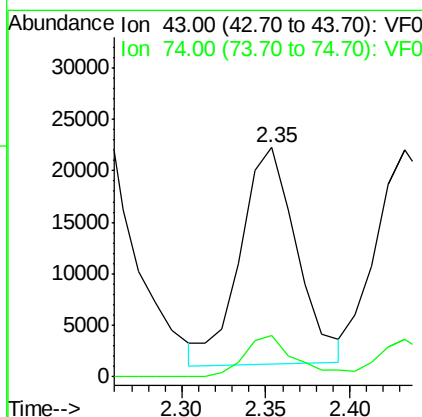
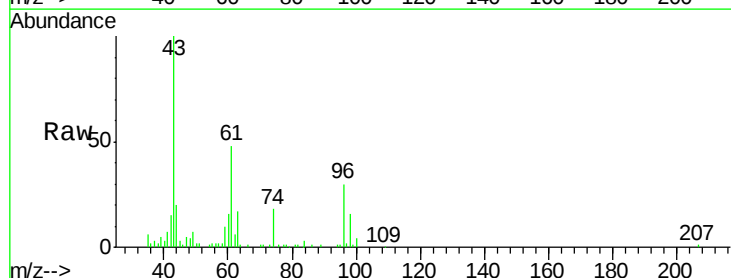
Manual Integrations
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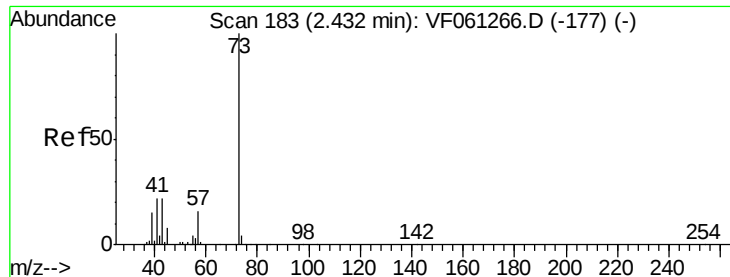
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#18
Methyl Acetate
Concen: 44.656 ug/l
RT: 2.35 min Scan# 175
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Tgt Ion: 43 Resp: 49004
Ion Ratio Lower Upper
43 100
74 18.0 14.4 21.6





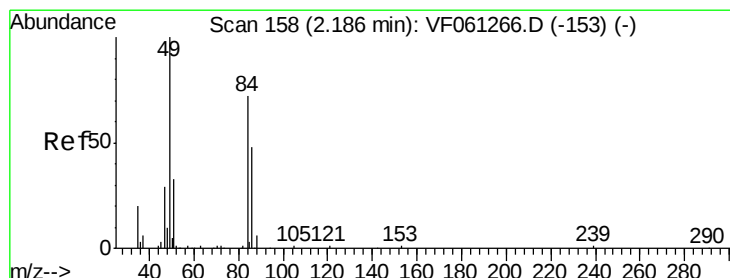
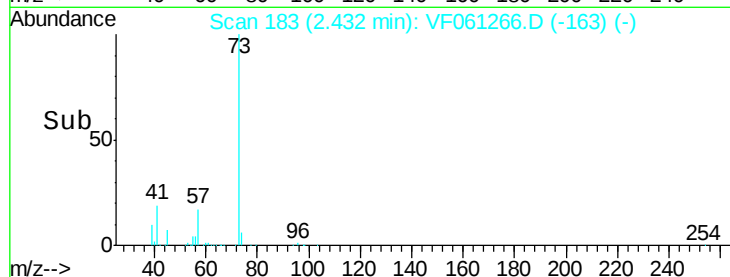
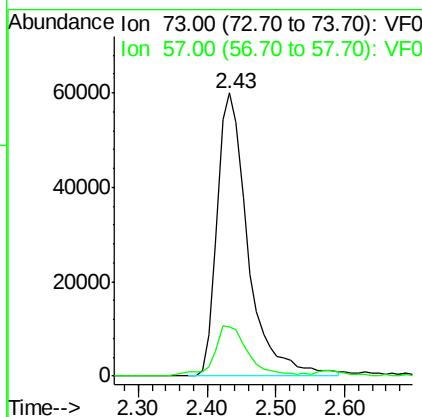
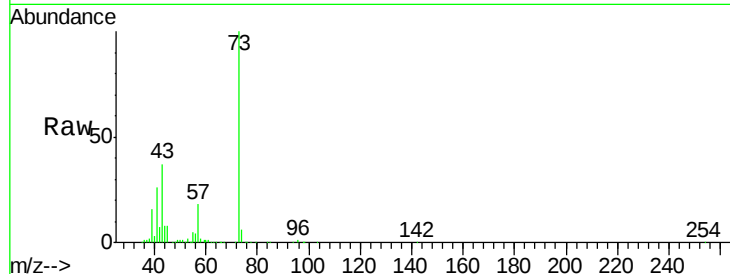
#19
Methvl tert-butvl Ether
Concen: 46.839 ug/l
RT: 2.43 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	73	Resp	186900
Ion Ratio	100	Lower	Upper
73	100		
57	17.5	14.0	21.0

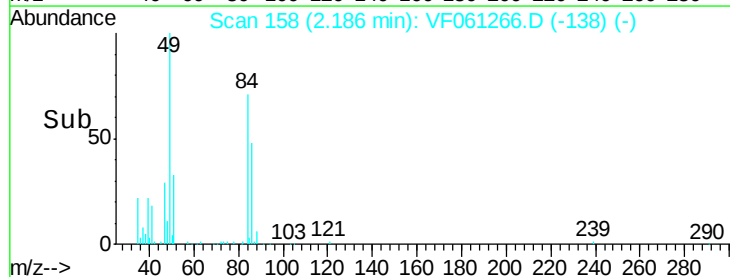
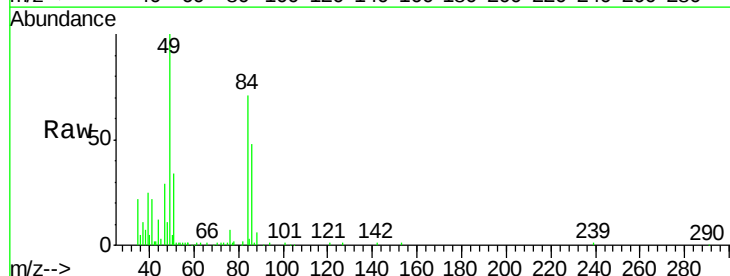
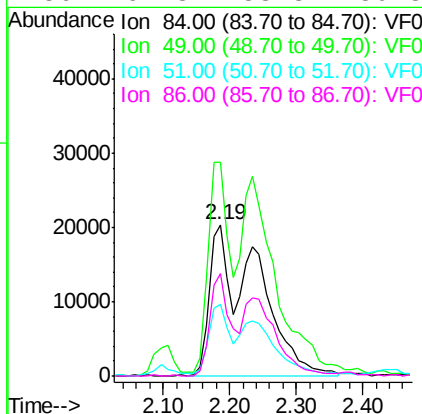
Manual Integrations
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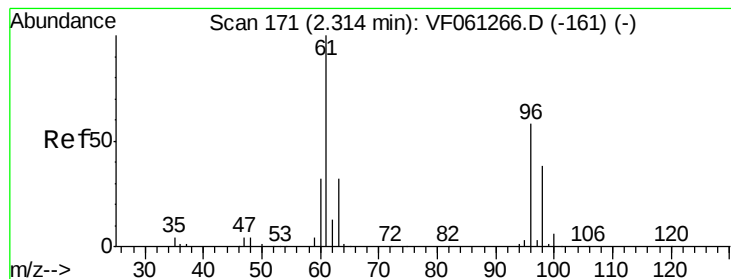
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#20
Methylene Chloride
Concen: 49.786 ug/l m
RT: 2.19 min Scan# 158
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Tgt Ion	84	Resp	100170
Ion Ratio	100	Lower	Upper
84	100		
49	141.1	112.9	169.3
51	47.4	37.9	56.9
86	67.3	53.8	80.8





#21

trans-1,2-Dichloroethene

Concen: 51.547 ug/l

RT: 2.31 min Scan# 171

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

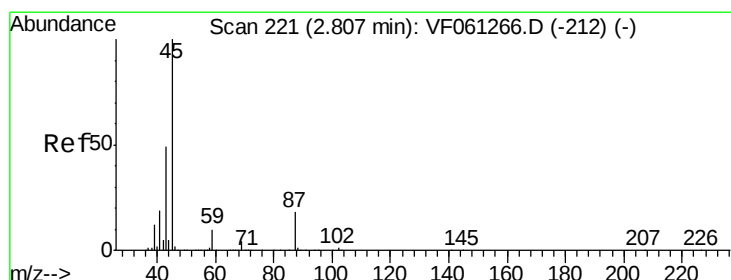
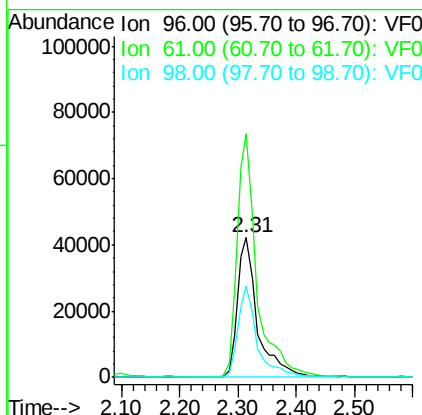
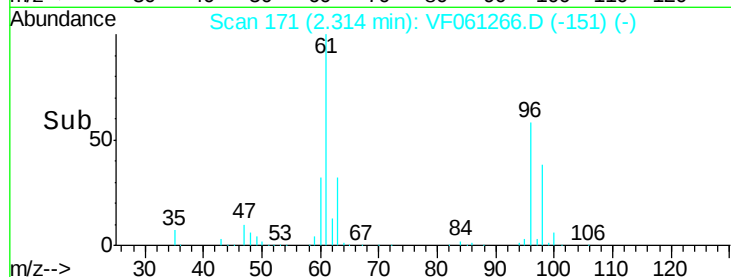
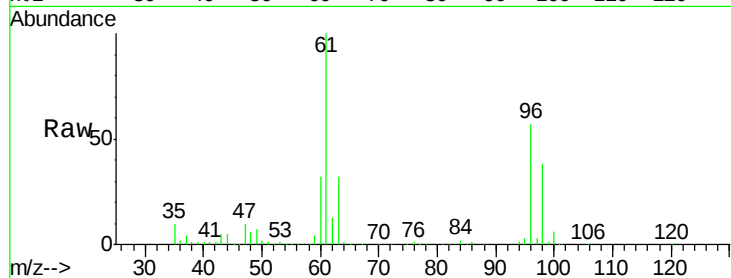
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	102363
Ion	Ratio	Lower	Upper
96	100		
61	174.1	139.3	208.9
98	65.7	52.6	78.8

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#22

Diisopropyl ether

Concen: 52.404 ug/l

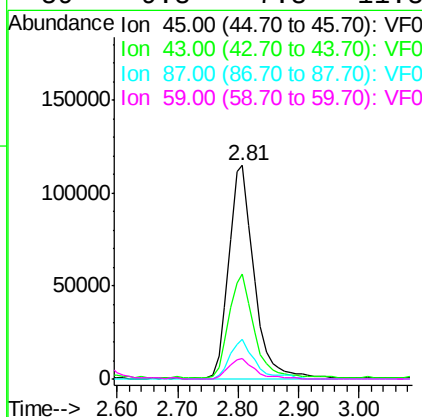
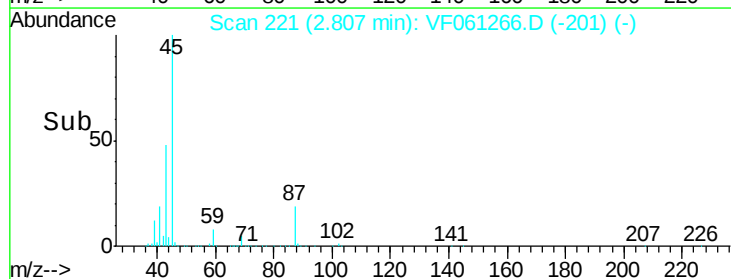
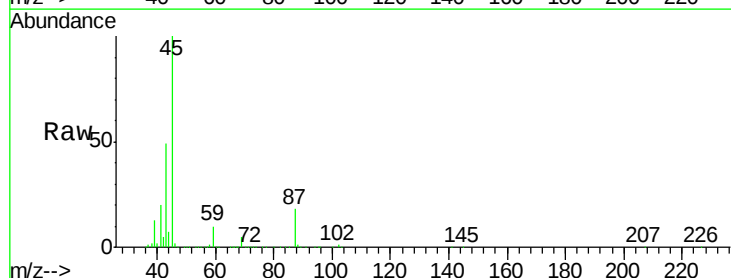
RT: 2.81 min Scan# 221

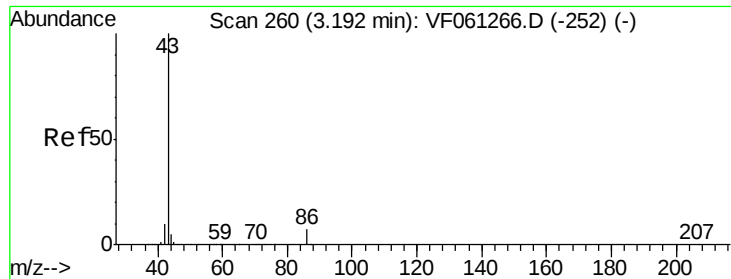
Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Tgt Ion:	45	Resp:	334319
Ion	Ratio	Lower	Upper
45	100		
43	49.4	39.5	59.3
87	18.5	14.8	22.2
59	9.8	7.8	11.8





#23

Vinyl Acetate

Concen: 253.422 ug/l

RT: 3.19 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 737834

Ion Ratio Lower Upper

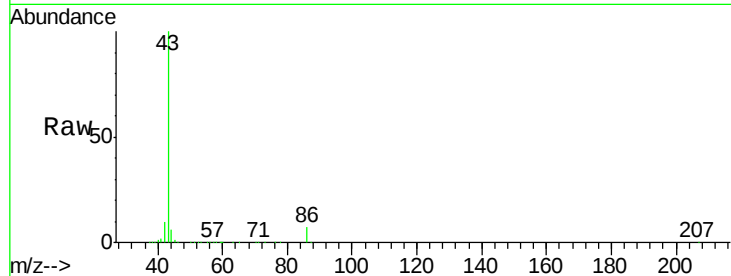
43 100

86 7.5 6.0 9.0

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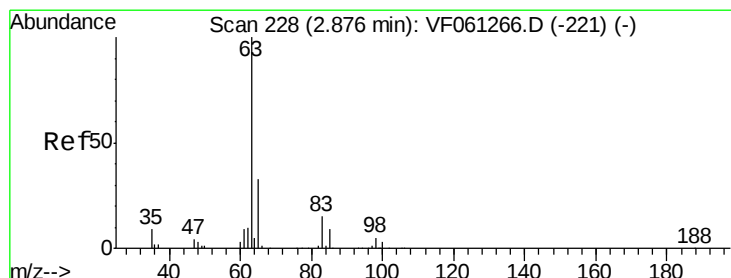
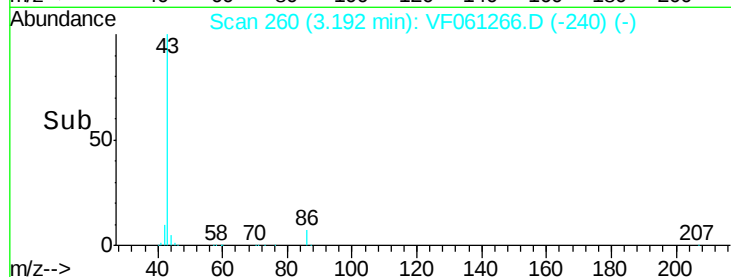
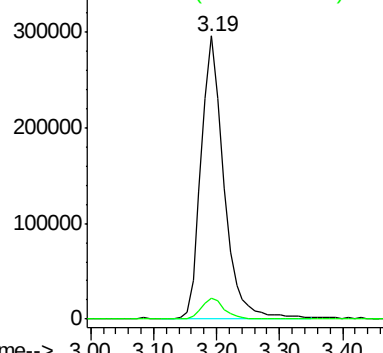
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 54.830 ug/l

RT: 2.88 min Scan# 228

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

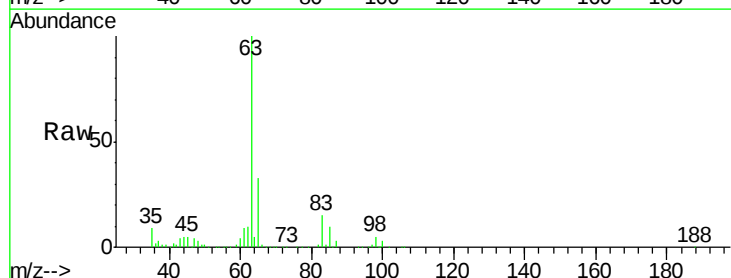
Tgt Ion: 63 Resp: 207964

Ion Ratio Lower Upper

63 100

98 5.0 2.5 7.5

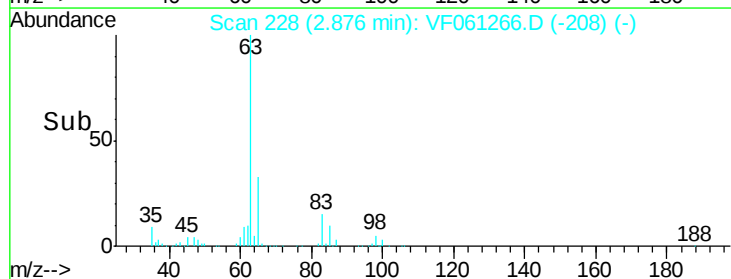
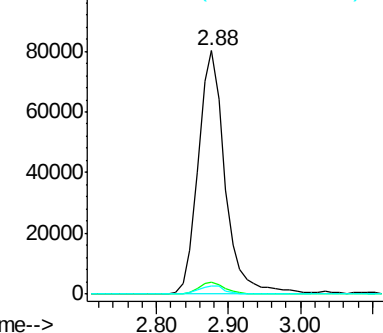
100 3.2 1.6 4.8

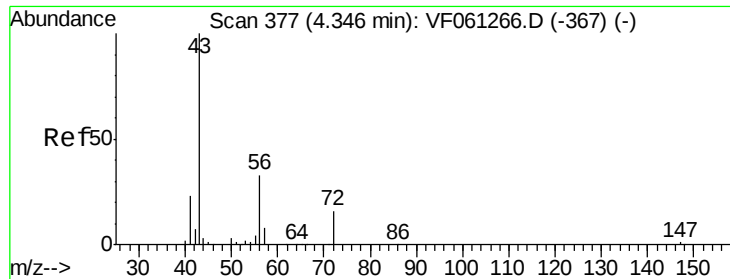


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 247.043 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 212017

Ion Ratio Lower Upper

43 100

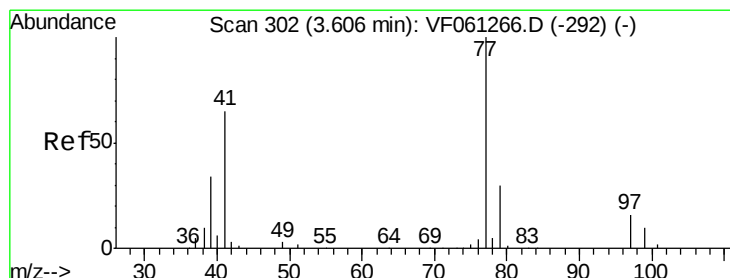
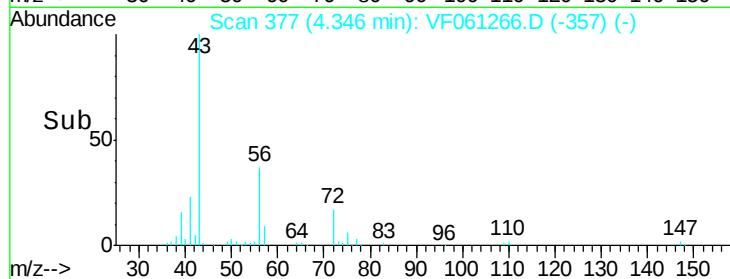
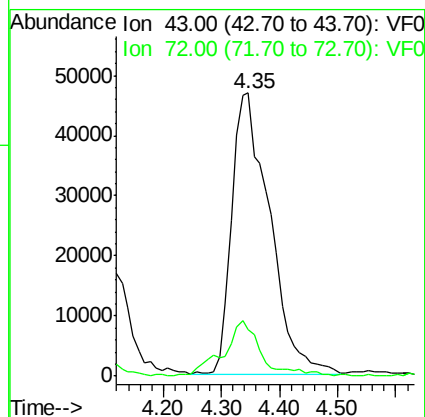
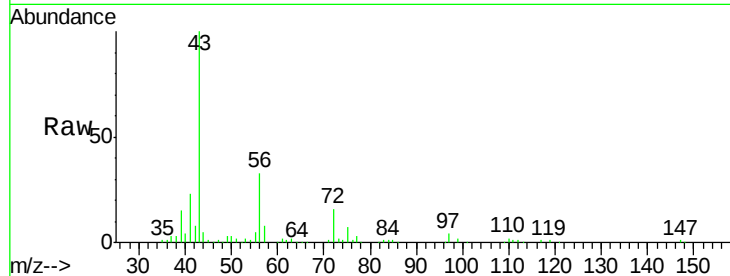
72 16.3 13.0 19.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 55.246 ug/l

RT: 3.61 min Scan# 302

Delta R.T. 0.00 min

Lab File: VF061266.D

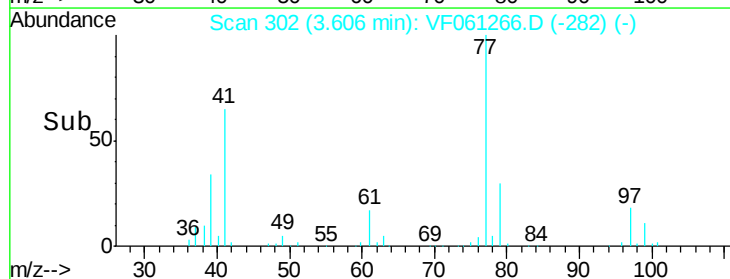
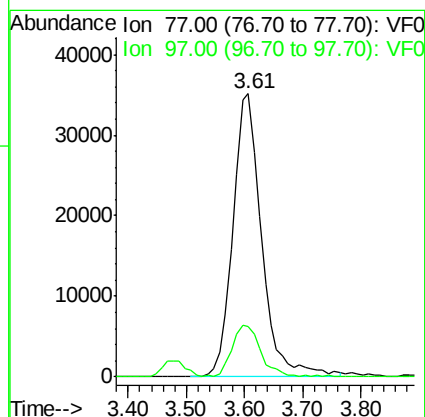
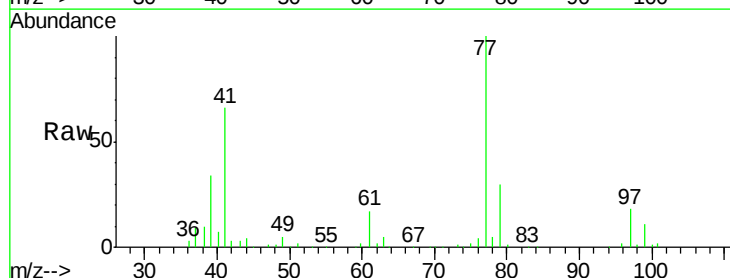
Acq: 3 Jan 2019 15:46

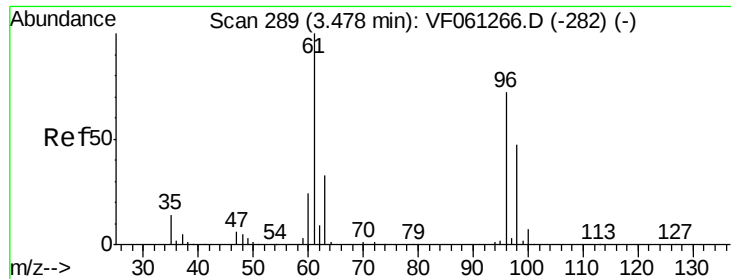
Tgt Ion: 77 Resp: 121054

Ion Ratio Lower Upper

77 100

97 17.8 8.9 26.7





#27

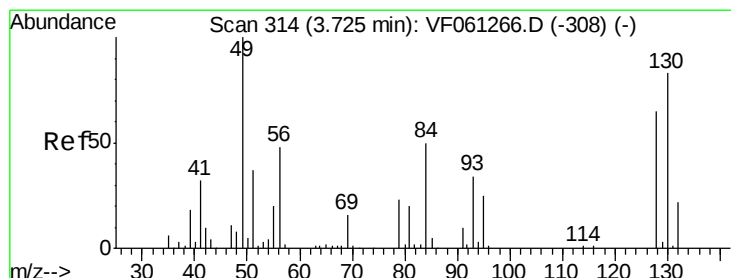
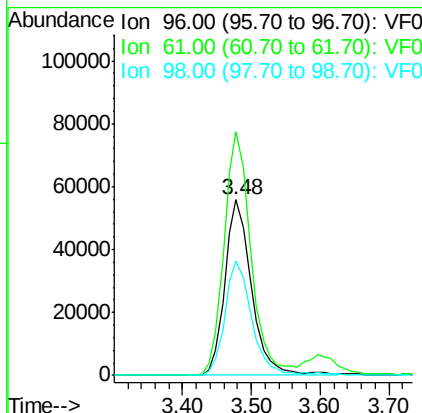
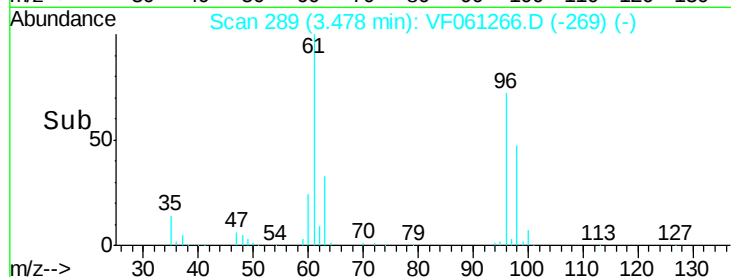
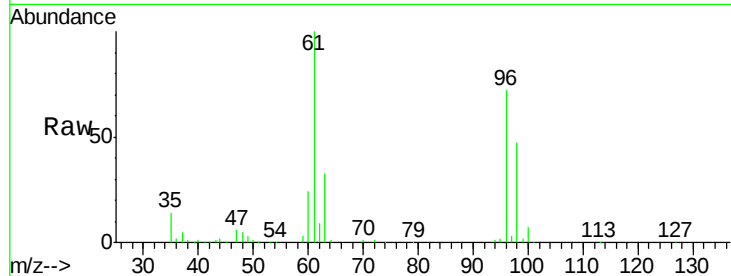
cis-1,2-Dichloroethene
Concen: 49.984 ug/l
RT: 3.48 min Scan# 289
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.9	0.0	277.8
98	65.4	0.0	130.8

Manual Integrations
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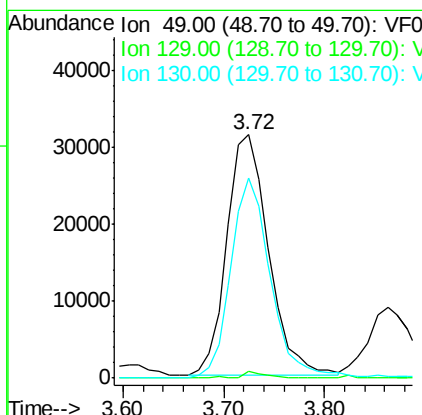
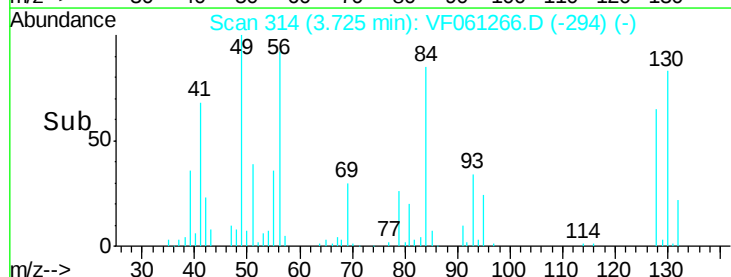
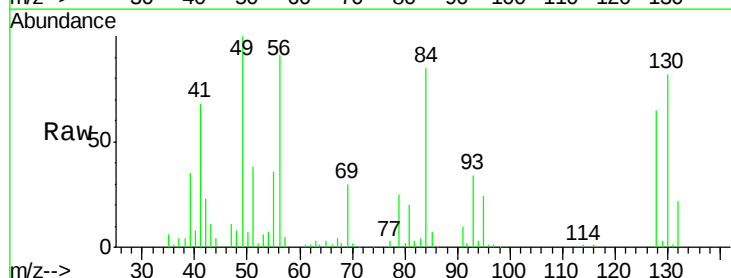
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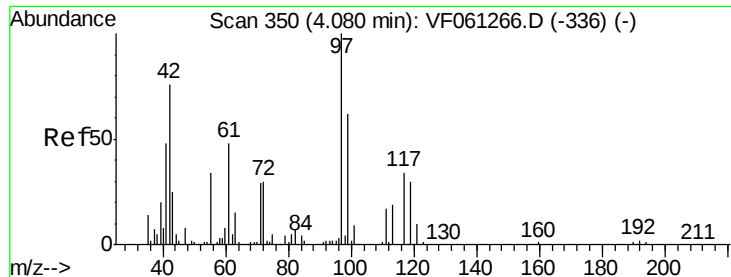


#28

Bromochloromethane
Concen: 47.996 ug/l
RT: 3.72 min Scan# 314
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.4
130	82.1	65.7	98.5





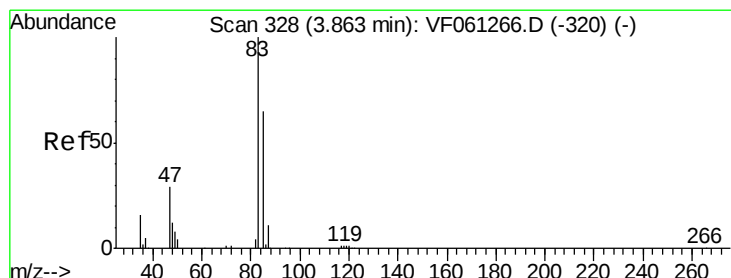
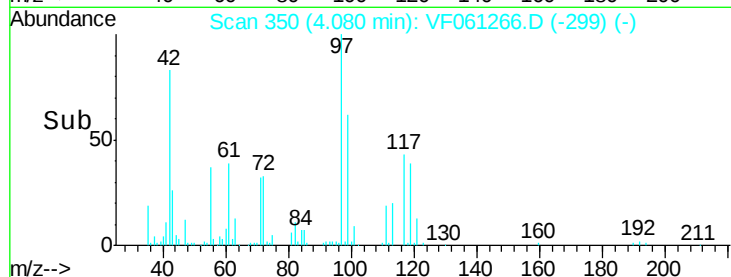
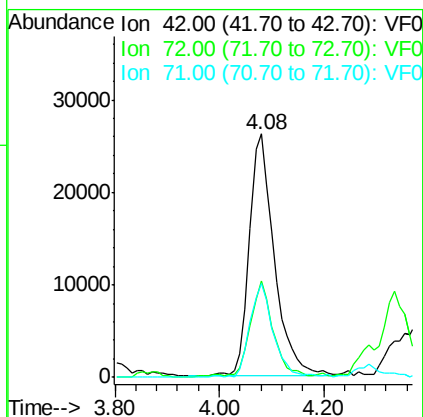
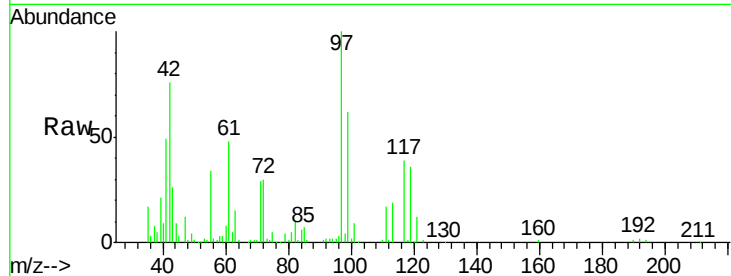
#29
Tetrahydrofuran
Concen: 242.056 ug/l
RT: 4.08 min Scan# 350
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.5	29.2	43.8
71	36.4	29.1	43.7

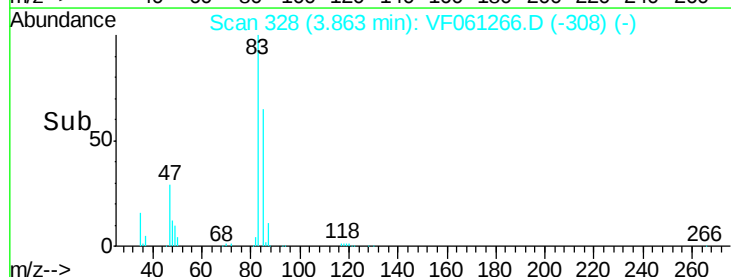
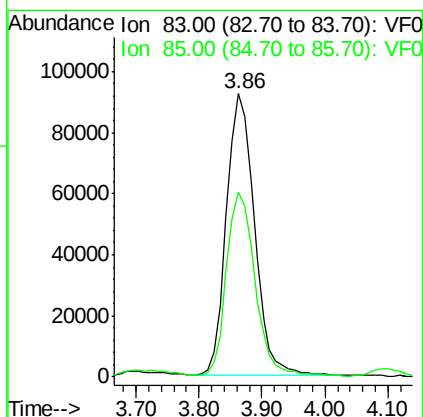
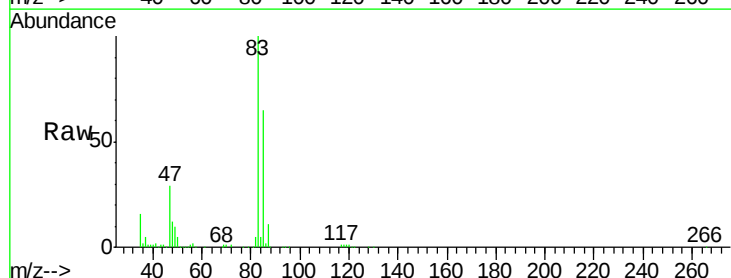
Manual Integrations
APPROVED

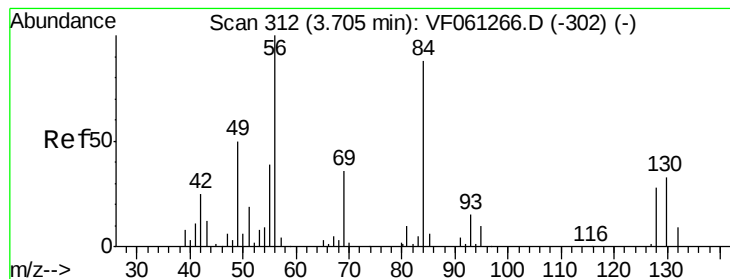
apatel
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#30
Chloroform
Concen: 50.912 ug/l
RT: 3.86 min Scan# 328
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.4





#31

Cyclohexane

Concen: 54.858 ug/l

RT: 3.70 min Scan# 312

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 217948

Ion Ratio Lower Upper

56 100

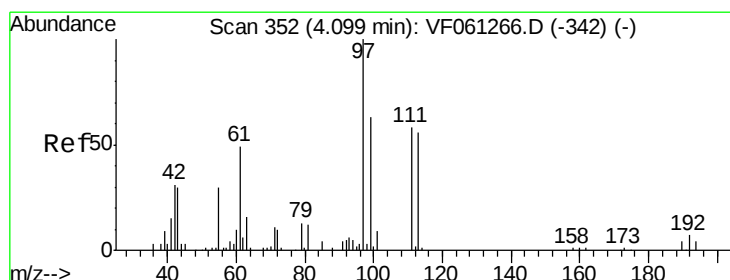
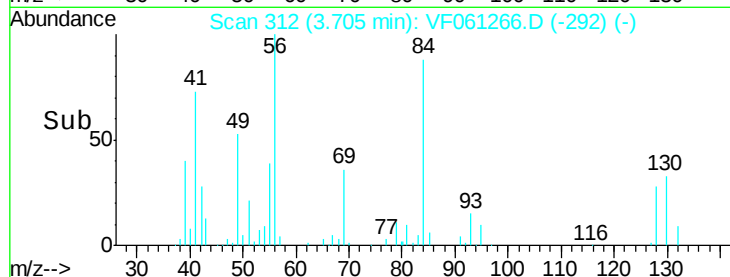
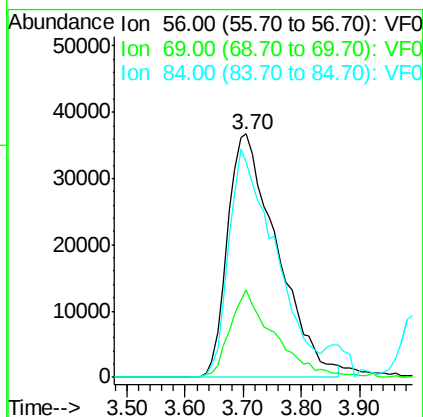
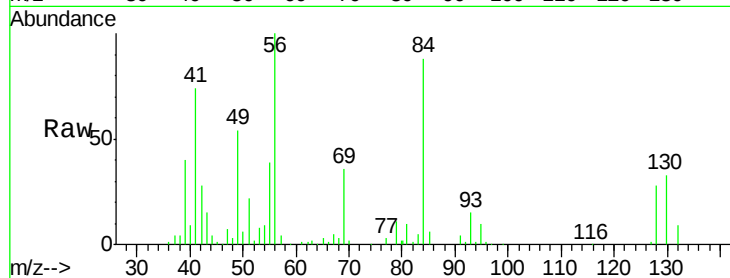
69 35.9 28.7 43.1

84 88.3 70.6 106.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 59.264 ug/l

RT: 4.10 min Scan# 352

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

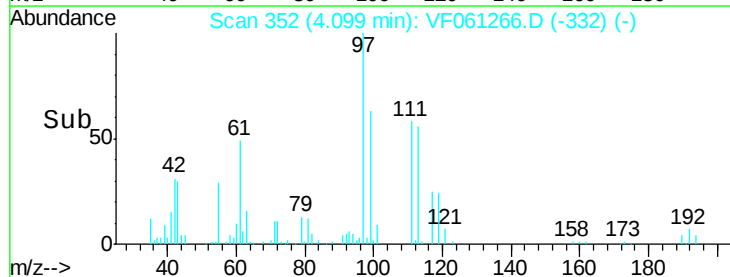
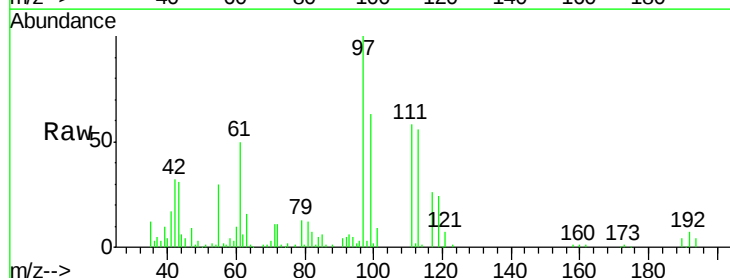
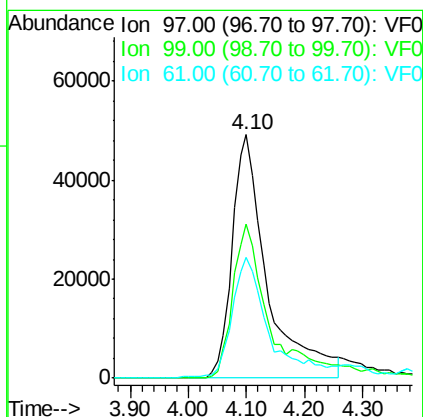
Tgt Ion: 97 Resp: 207595

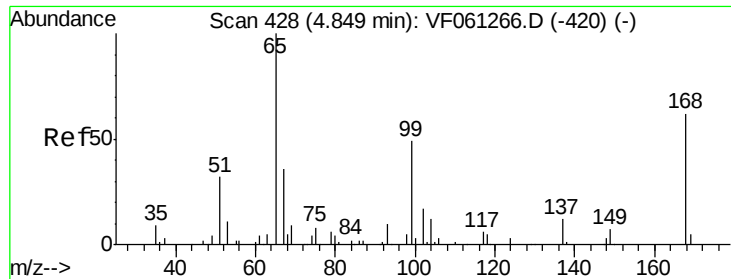
Ion Ratio Lower Upper

97 100

99 63.3 50.6 76.0

61 49.5 39.6 59.4





#33

1,2-Dichloroethane-d4

Concen: 46.858 ug/l

RT: 4.85 min Scan# 428

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Tot Ion: 65 Resp: 124136

Ion Ratio Lower Upper

65 100

67 45.2 0.0 90.4

Instrument :

MSVOA_F

ClientSampleId :

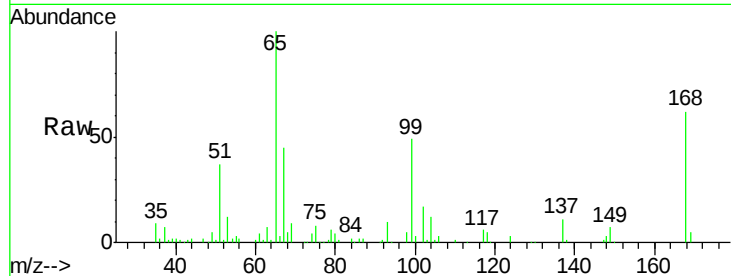
VSTDICCC050

Manual Integrations

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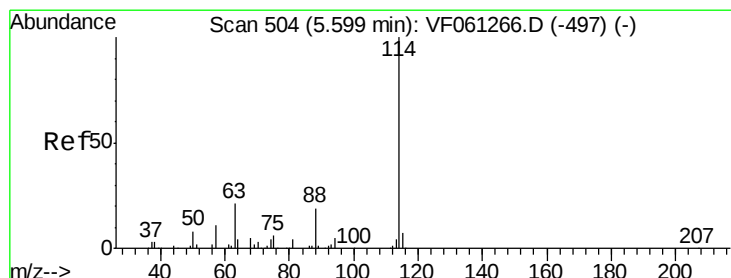
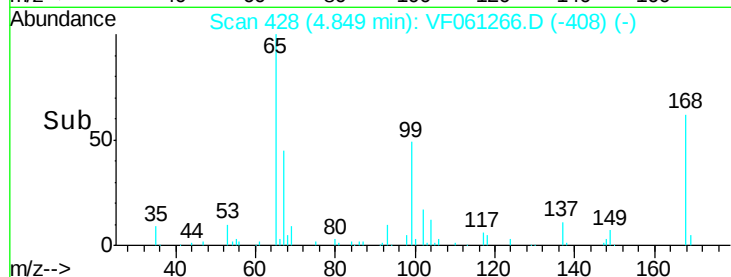
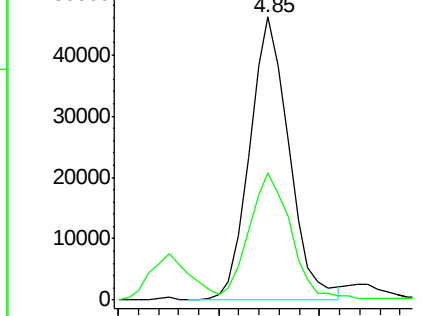
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

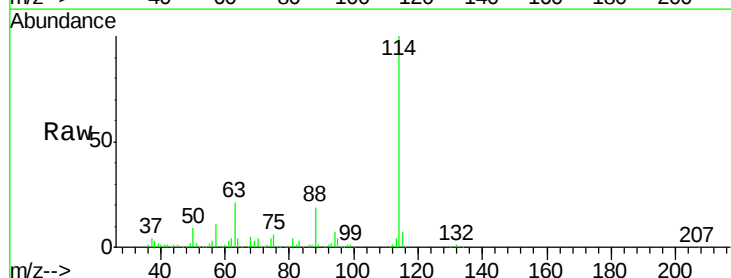
Tgt Ion: 114 Resp: 367614

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.8

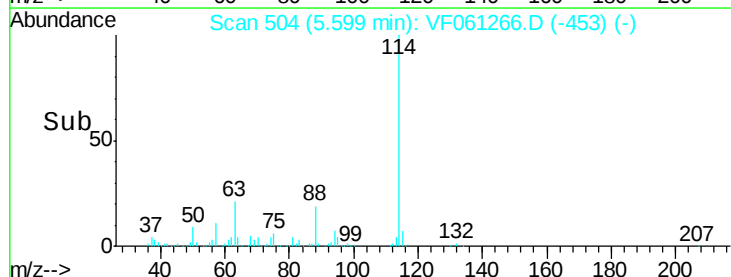
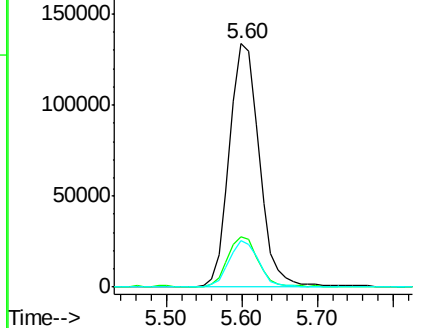
88 19.2 0.0 38.4

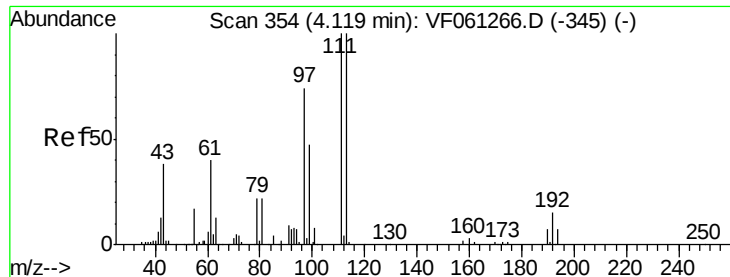


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 45.697 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

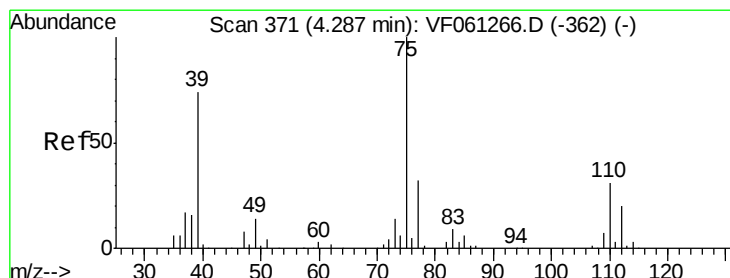
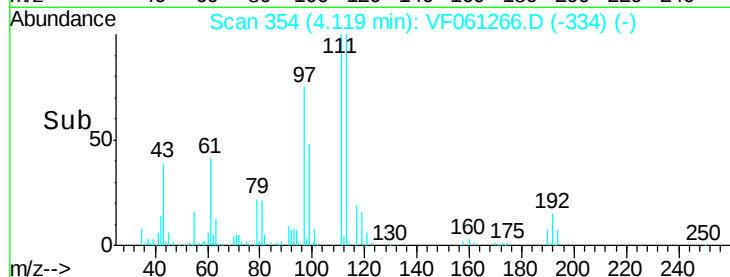
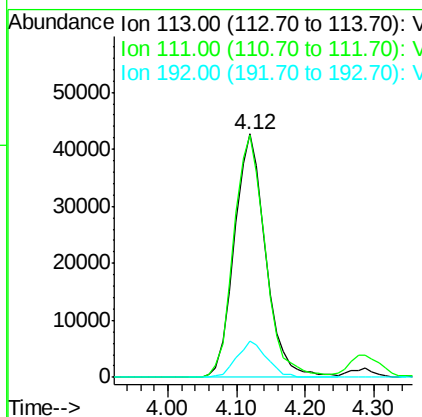
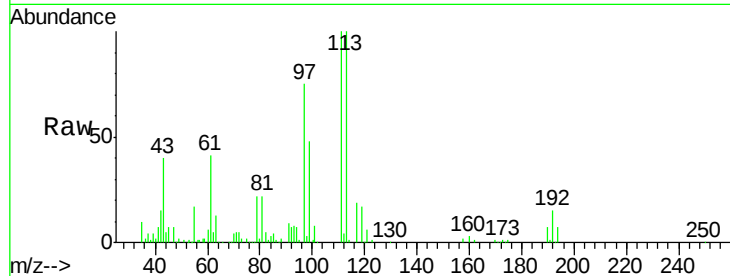
ClientSampleId :

VSTDICCC050

Tot Ion:	113	Resp:	134225
Ion Ratio	Lower	Upper	
113	100		
111	99.7	79.8	119.6
192	14.9	11.9	17.9

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 51.012 ug/l

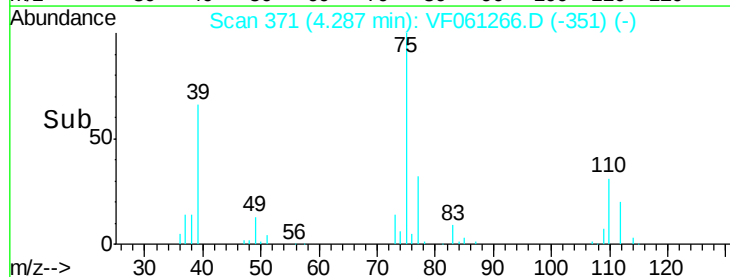
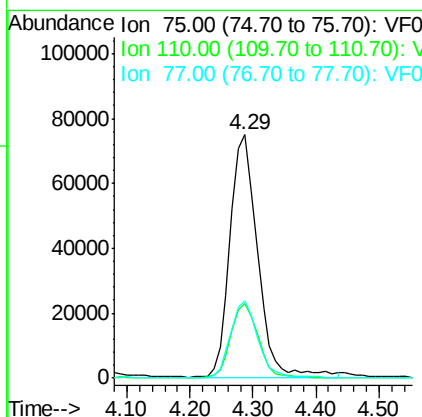
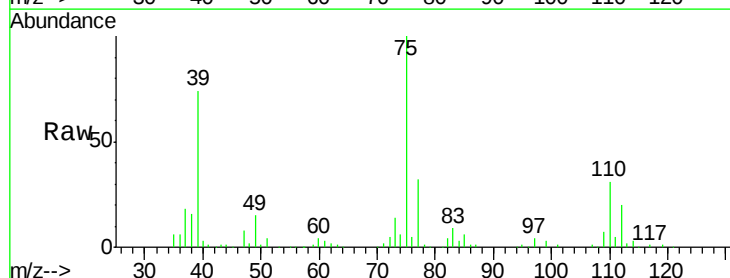
RT: 4.29 min Scan# 371

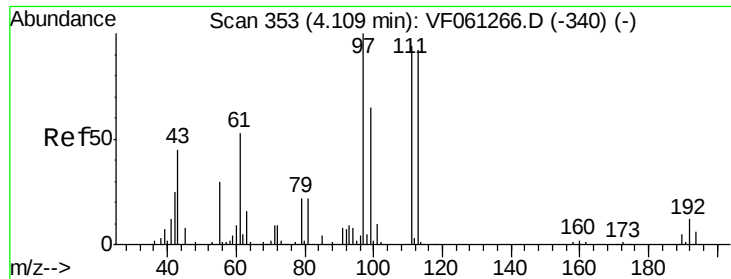
Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Tgt Ion:	75	Resp:	226809
Ion Ratio	Lower	Upper	
75	100		
110	30.9	15.4	46.4
77	32.0	25.6	38.4





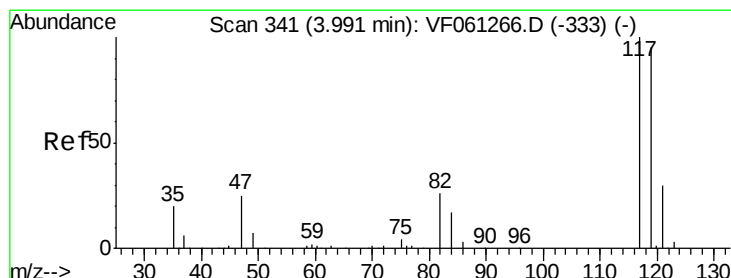
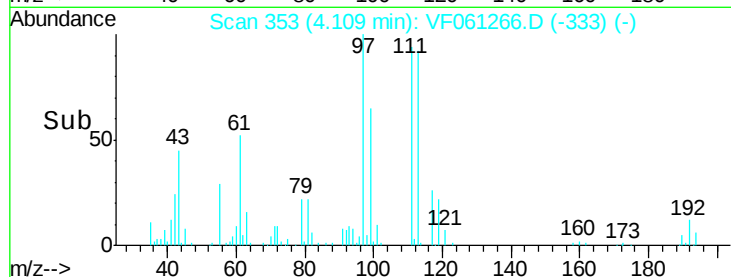
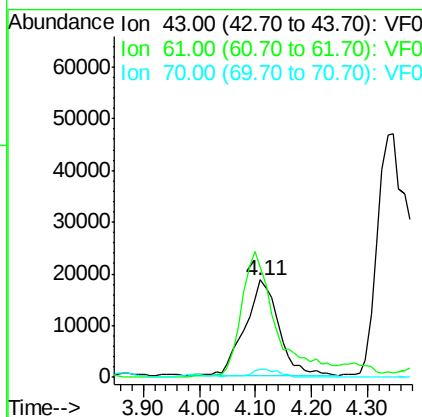
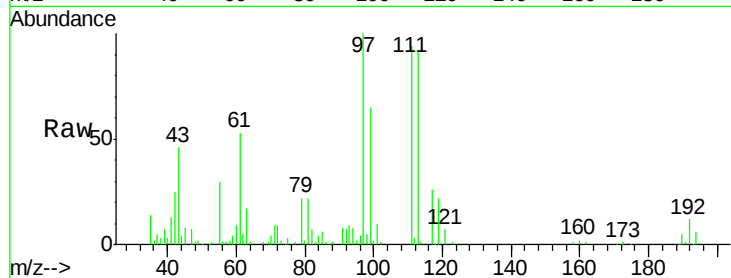
#37
Ethyl Acetate
Concen: 43.578 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	43	61	70	Ratio	Lower	Upper
43	100					
61	114.0	91.2	136.8			
70	8.9	7.1	10.7			

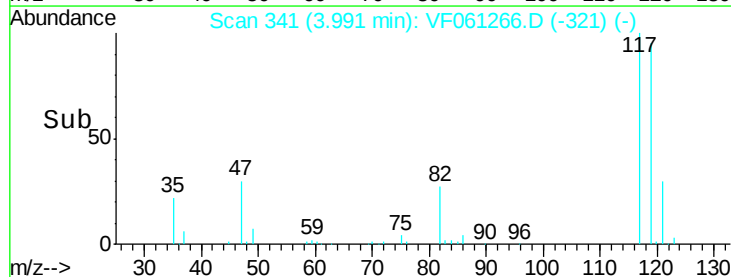
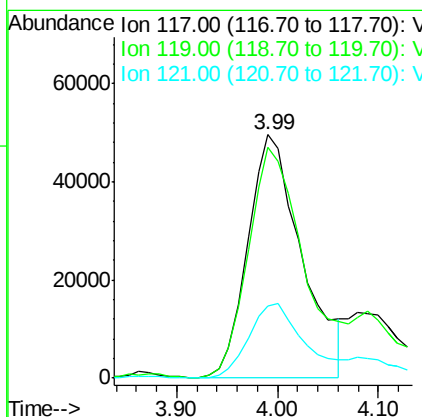
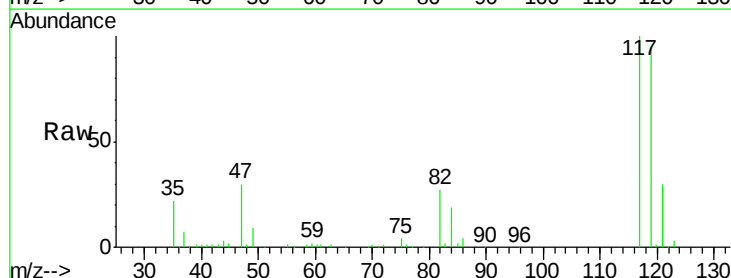
Manual Integrations
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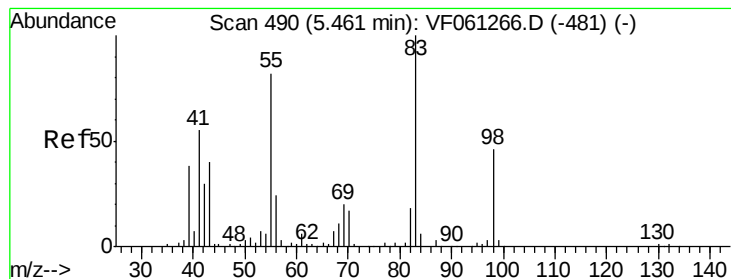
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#38
Carbon Tetrachloride
Concen: 53.657 ug/l
RT: 3.99 min Scan# 341
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Tgt Ion	117	119	121	Ratio	Lower	Upper
117	100					
119	95.0	76.0	114.0			
121	29.8	23.8	35.8			





#39

Methvlcvclohexane

Concen: 59.188 ug/l

RT: 5.46 min Scan# 490

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

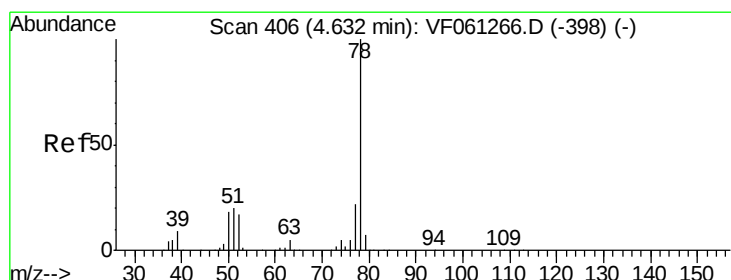
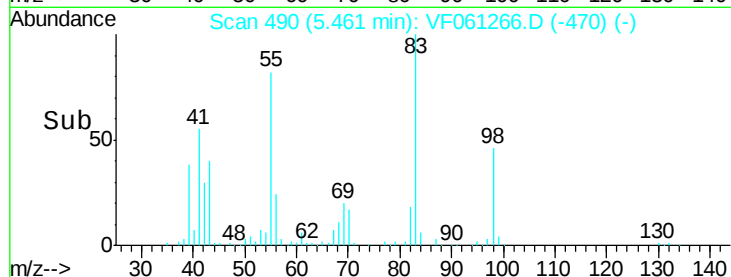
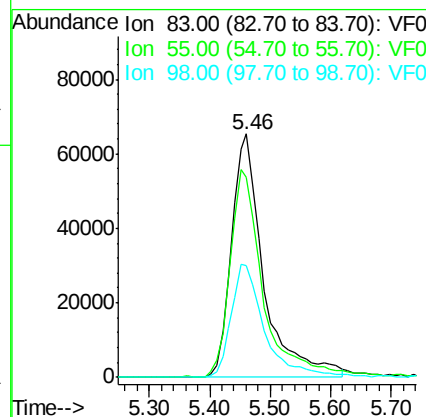
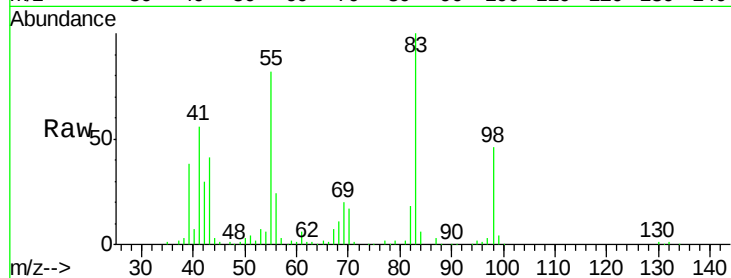
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	241787
Ion	Ratio	Lower	Upper
83	100		
55	82.0	65.6	98.4
98	45.9	36.7	55.1

Manual Integrations
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#40

Benzene

Concen: 51.597 ug/l

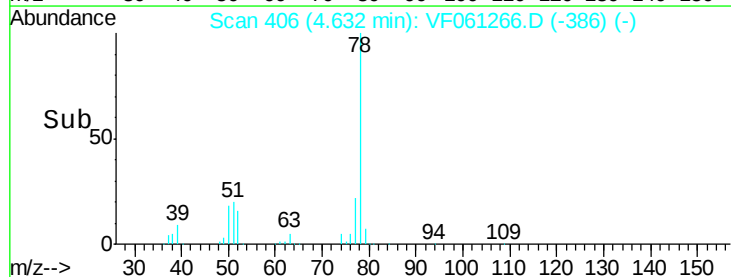
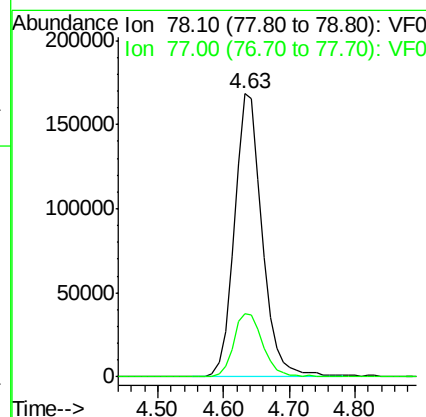
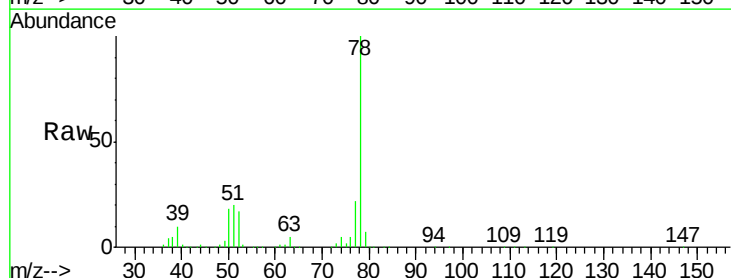
RT: 4.63 min Scan# 406

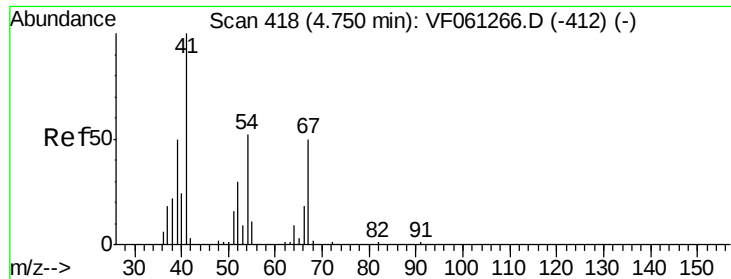
Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Tgt Ion:	78	Resp:	496689
Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.0	27.0





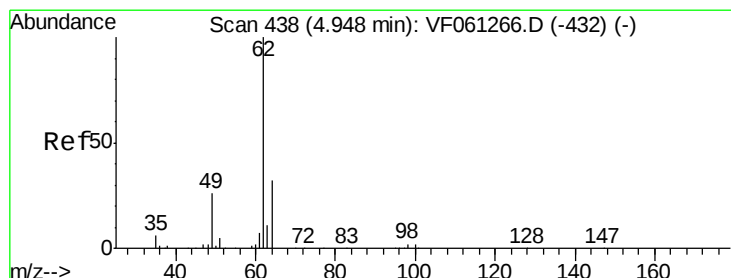
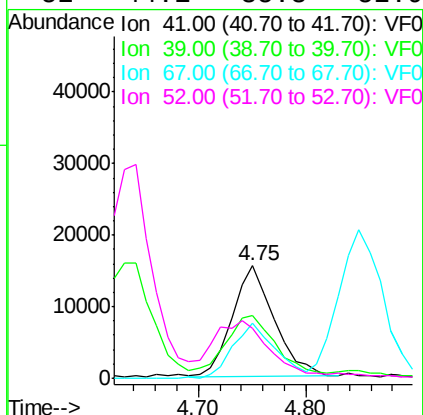
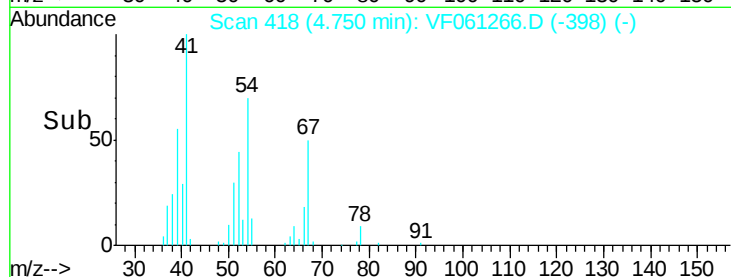
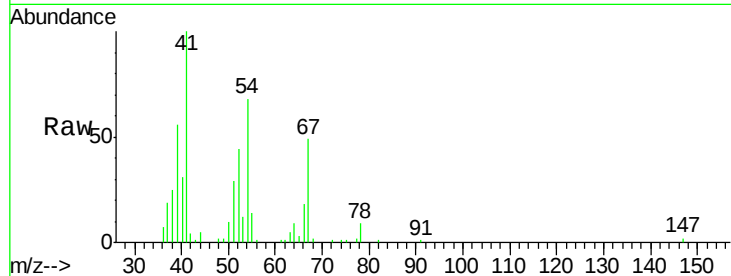
#41
Methacrylonitrile
Concen: 44.894 ug/l
RT: 4.75 min Scan# 418
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion:	41	Resp:	41301
Ion	Ratio	Lower	Upper
41	100		
39	55.7	44.6	66.8
67	49.1	39.3	58.9
52	44.1	35.3	52.9

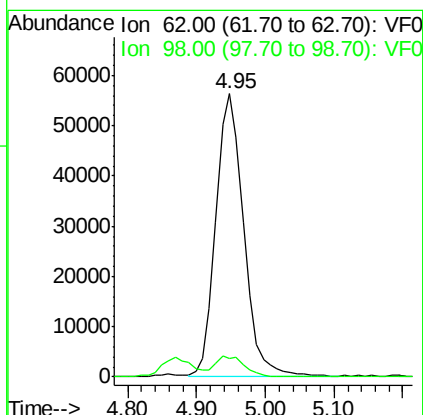
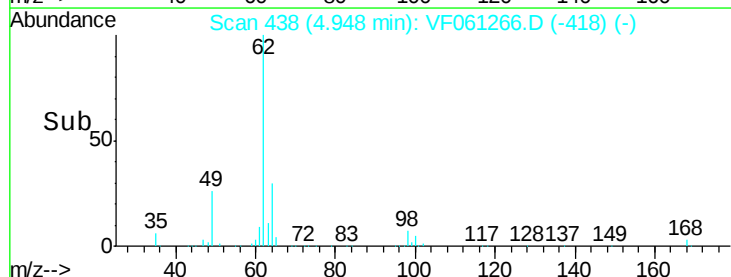
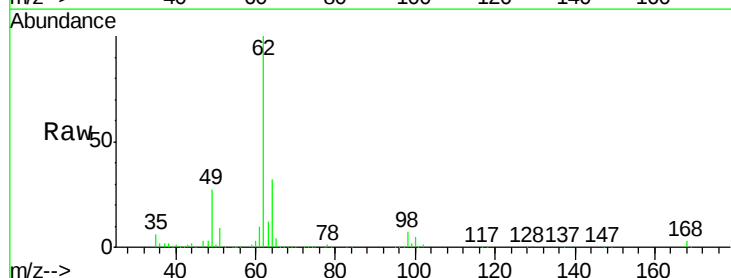
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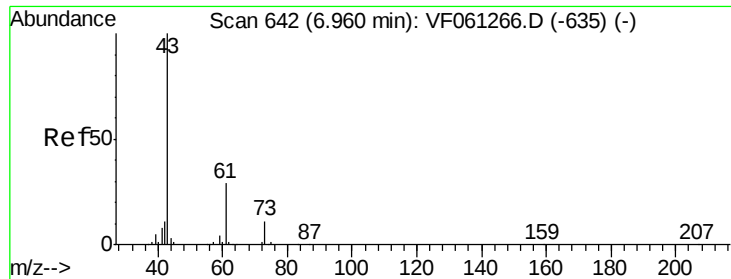
apatel
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#42
1,2-Dichloroethane
Concen: 44.460 ug/l
RT: 4.95 min Scan# 438
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Tgt Ion:	62	Resp:	157296
Ion	Ratio	Lower	Upper
62	100		
98	6.7	0.0	13.4





#43

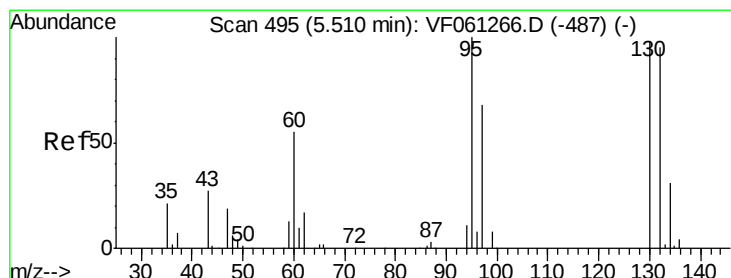
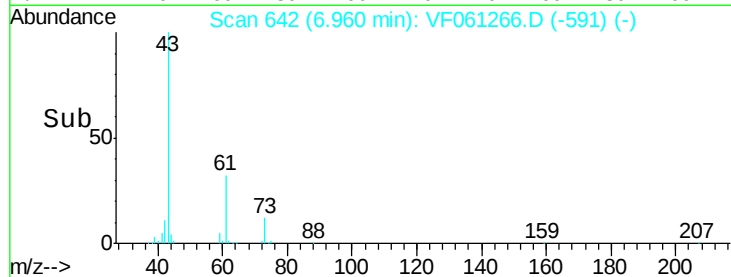
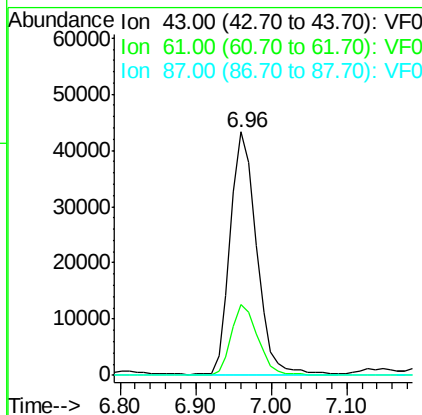
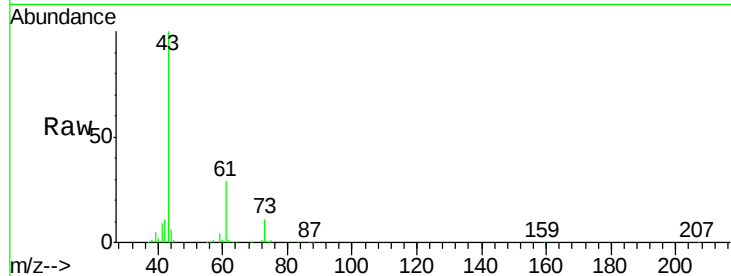
Isopropyl Acetate
 Concen: 48.348 ug/l
 RT: 6.96 min Scan# 642
 Delta R.T. 0.00 min
 Lab File: VF061266.D
 Acq: 3 Jan 2019 15:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.3	23.4	35.2
87	0.4	0.3	0.5

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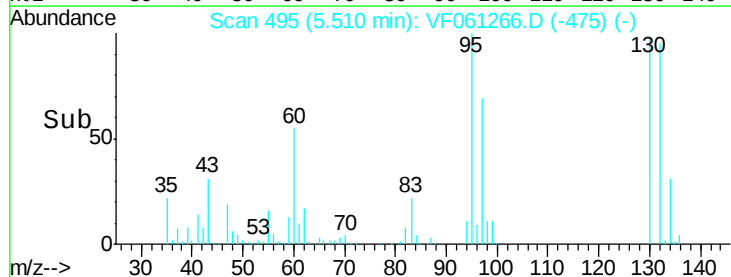
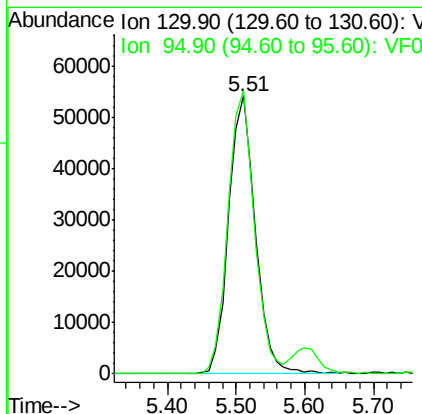
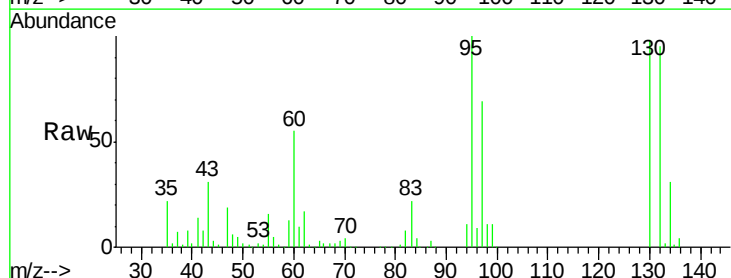
apatel
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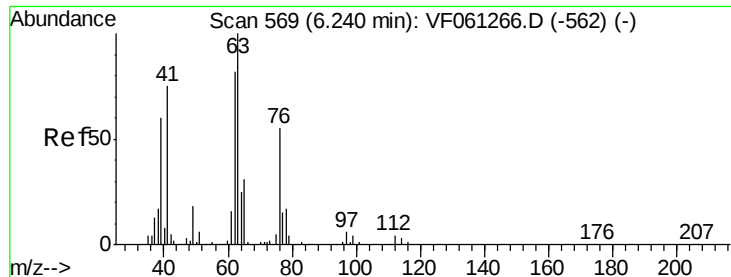


#44

Trichloroethene
 Concen: 48.756 ug/l
 RT: 5.51 min Scan# 495
 Delta R.T. 0.00 min
 Lab File: VF061266.D
 Acq: 3 Jan 2019 15:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	204.0





#45

1,2-Dichloropropane

Concen: 50.237 ug/l

RT: 6.24 min Scan# 569

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 130785

Ion Ratio Lower Upper

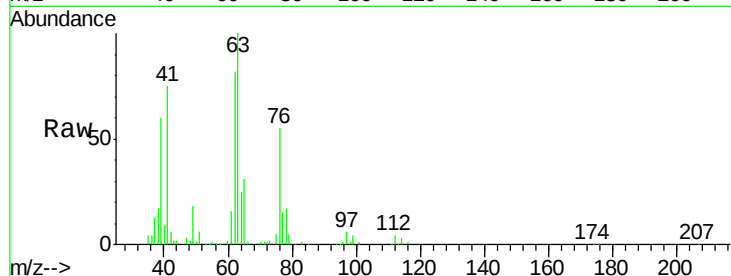
63 100

65 30.5 24.4 36.6

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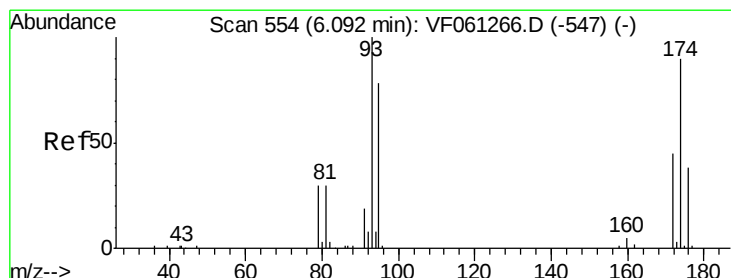
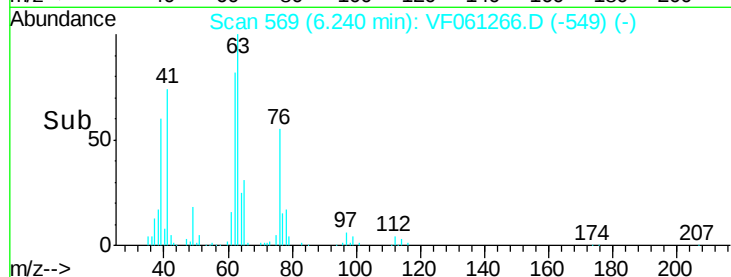
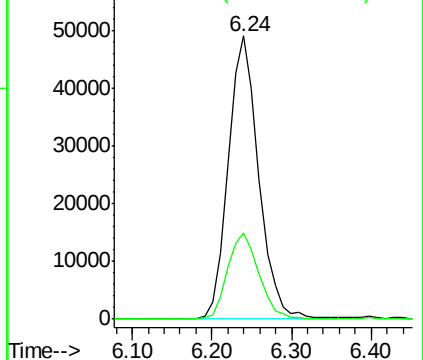
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 47.402 ug/l

RT: 6.09 min Scan# 554

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

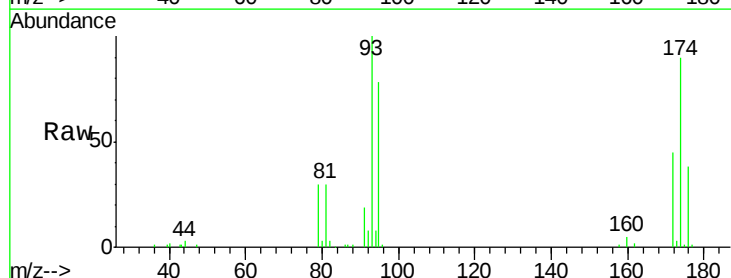
Tgt Ion: 93 Resp: 78829

Ion Ratio Lower Upper

93 100

95 78.0 62.4 93.6

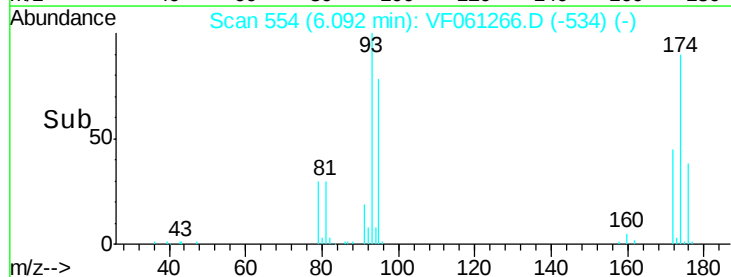
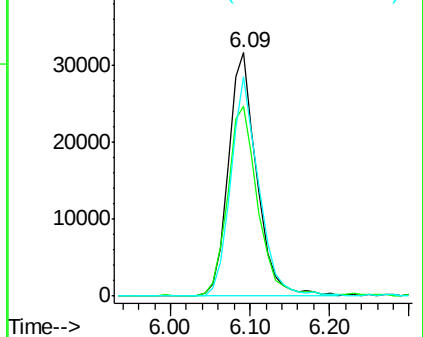
174 89.9 71.9 107.9

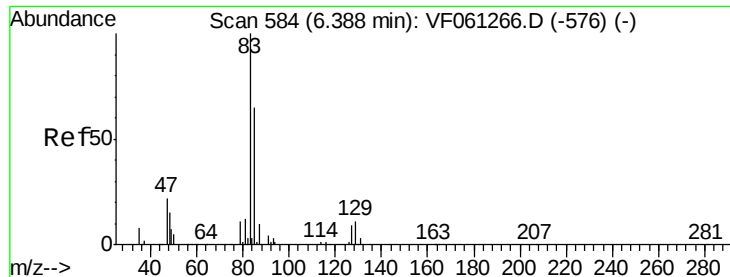


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 48.181 ug/l

RT: 6.39 min Scan# 584

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

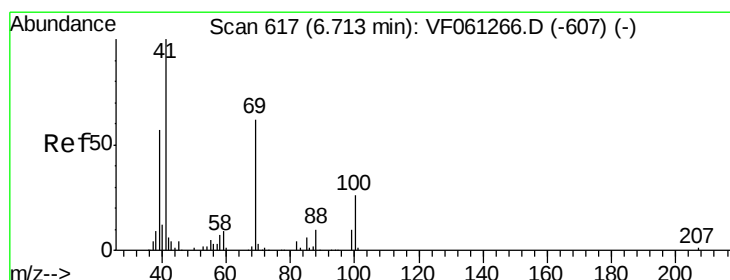
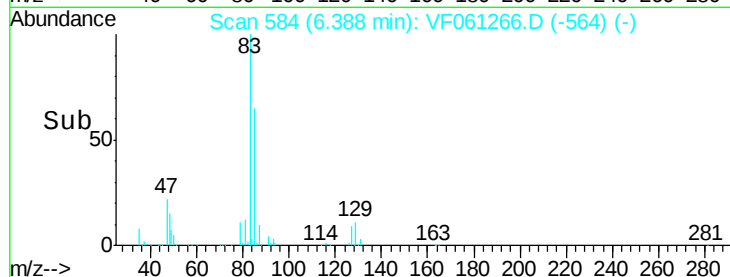
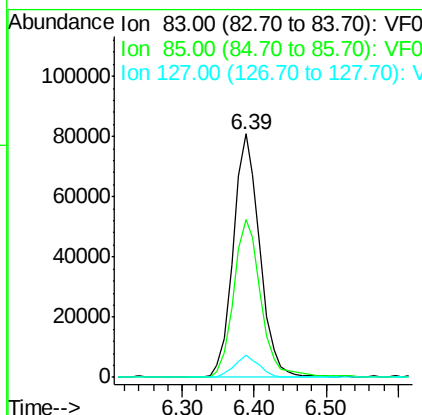
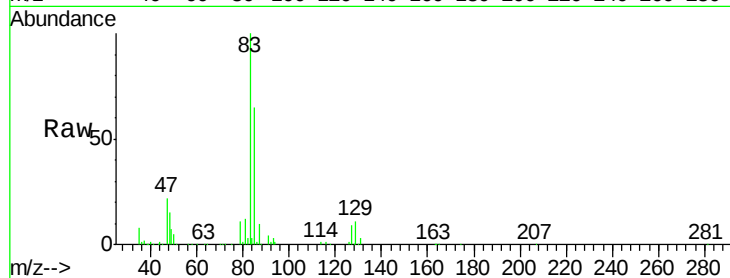
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	207396
Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.1	78.1
127	8.9	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.661 ug/l

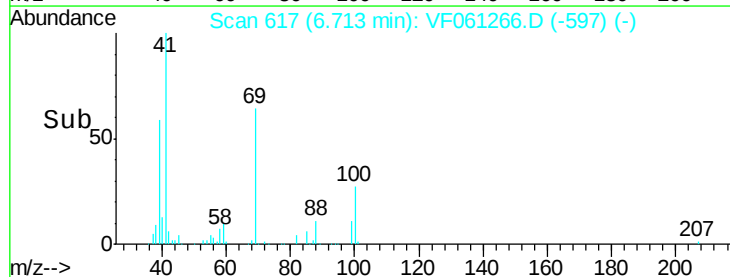
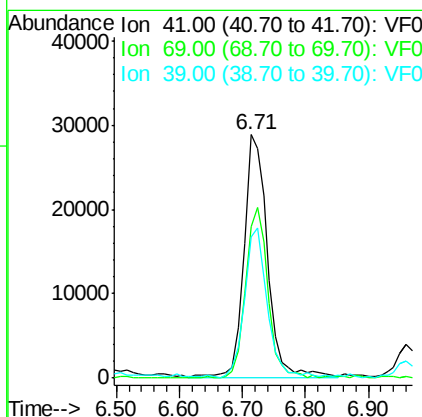
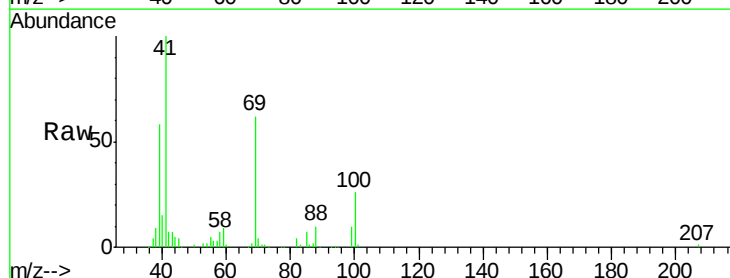
RT: 6.71 min Scan# 617

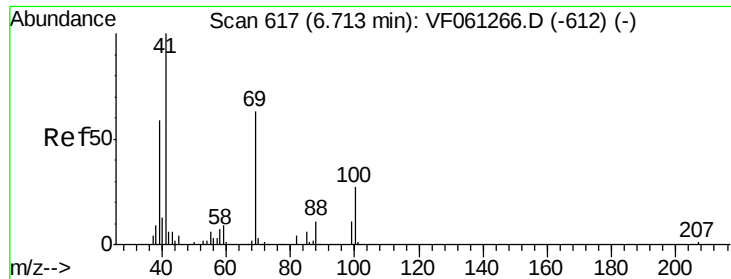
Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Tgt Ion:	41	Resp:	75764
Ion	Ratio	Lower	Upper
41	100		
69	62.3	49.8	74.8
39	58.0	46.4	69.6





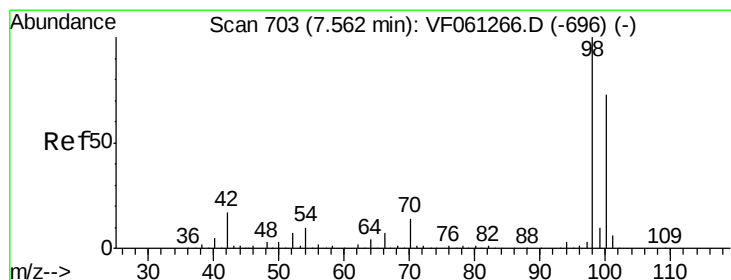
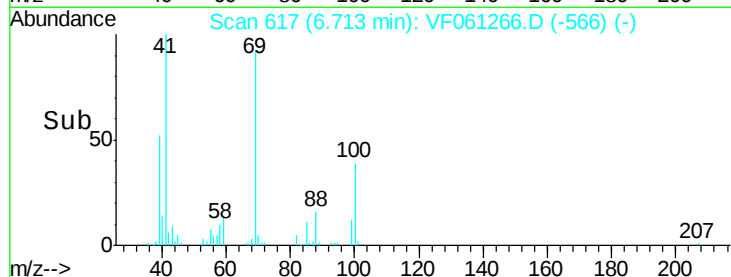
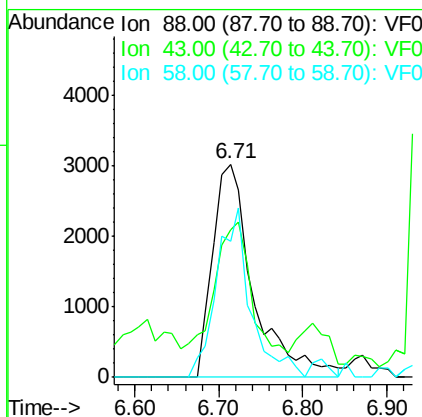
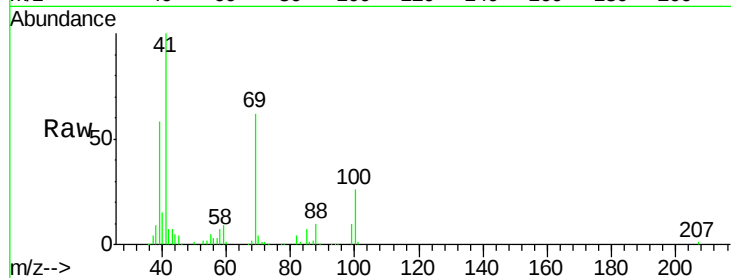
#49
1,4-Dioxane
Concen: 959.251 ug/l
RT: 6.71 min Scan# 617
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	69.0	55.2	82.8
58	63.6	50.9	76.3

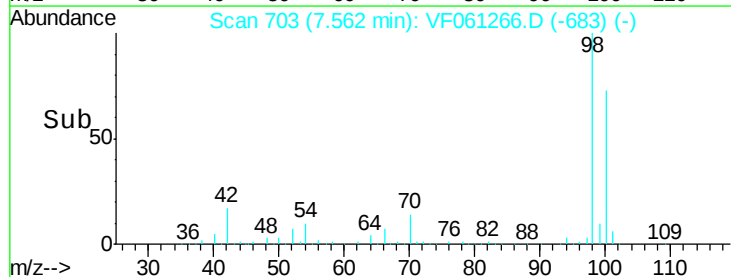
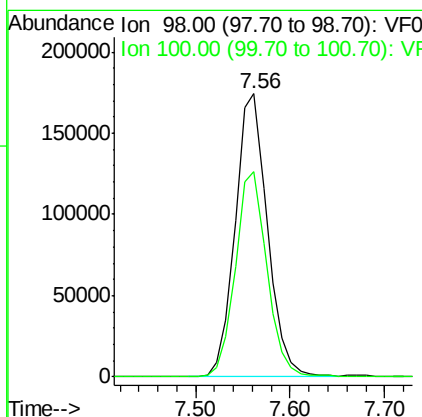
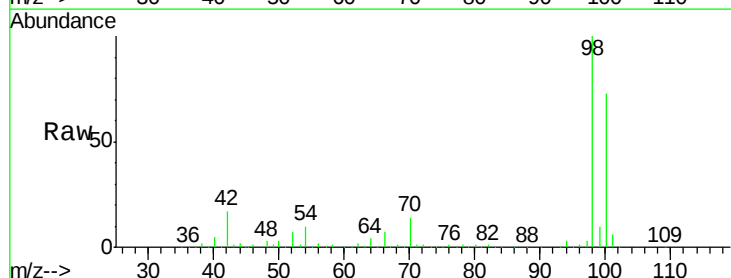
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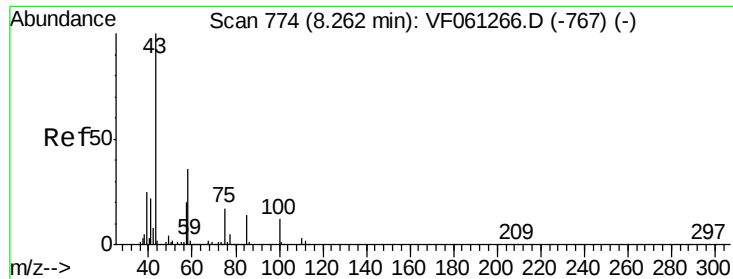
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#50
Toluene-d8
Concen: 49.267 ug/l
RT: 7.56 min Scan# 703
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	72.6	58.1	87.1





#51

4-Methyl-2-Pentanone

Concen: 243.170 ug/l

RT: 8.26 min Scan# 774

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 356435

Ion Ratio Lower Upper

43 100

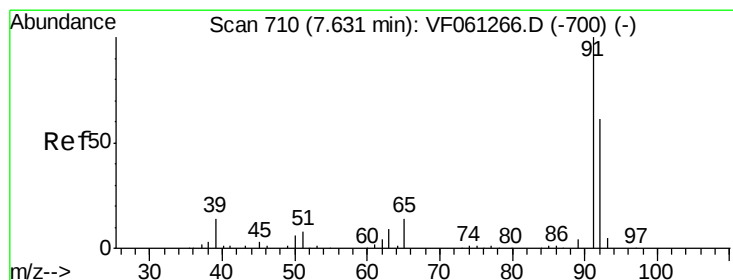
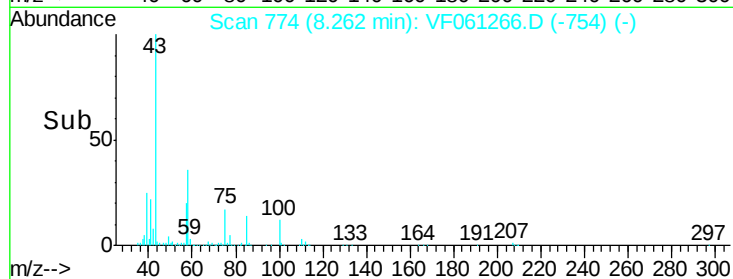
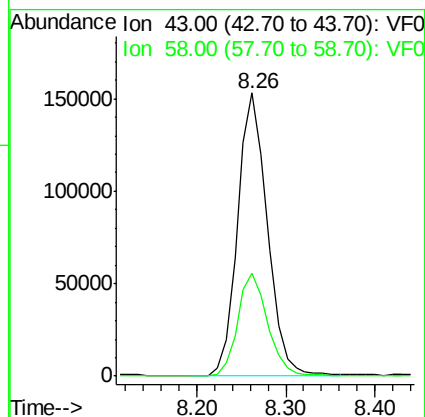
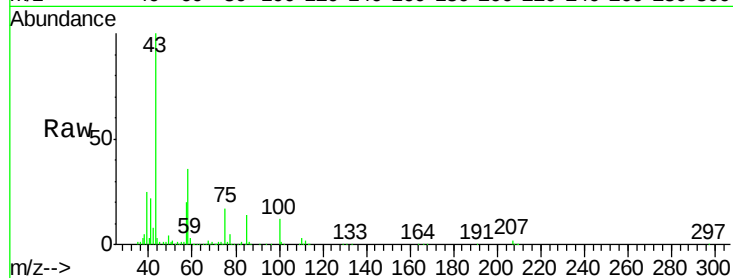
58 36.4 29.1 43.7

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#52

Toluene

Concen: 50.307 ug/l

RT: 7.63 min Scan# 710

Delta R.T. 0.00 min

Lab File: VF061266.D

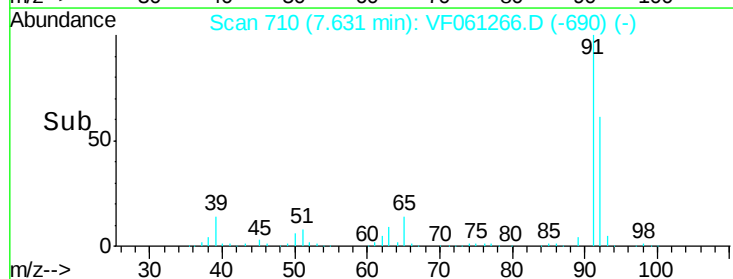
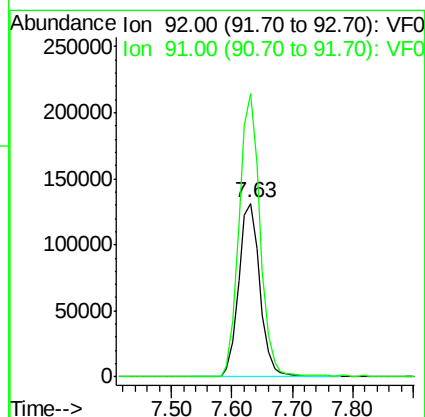
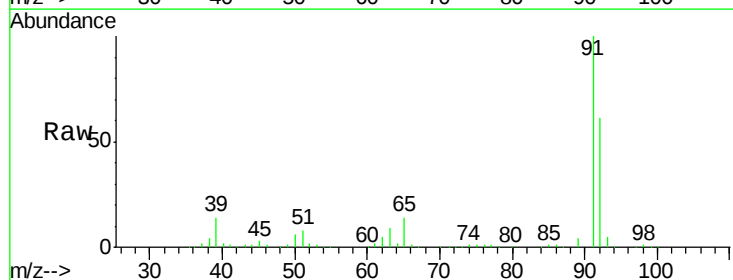
Acq: 3 Jan 2019 15:46

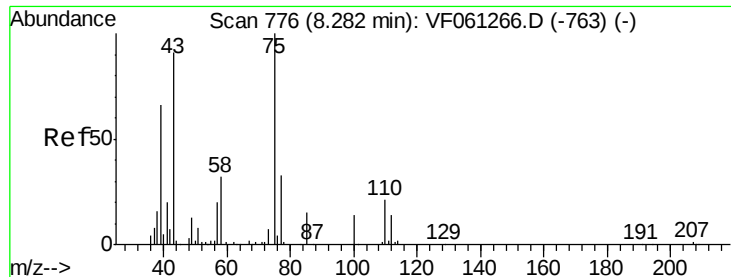
Tgt Ion: 92 Resp: 320110

Ion Ratio Lower Upper

92 100

91 163.1 130.5 195.7





#53

t-1,3-Dichloropropene

Concen: 47.163 ug/l

RT: 8.28 min Scan# 776

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 165456

Ion Ratio Lower Upper

75 100

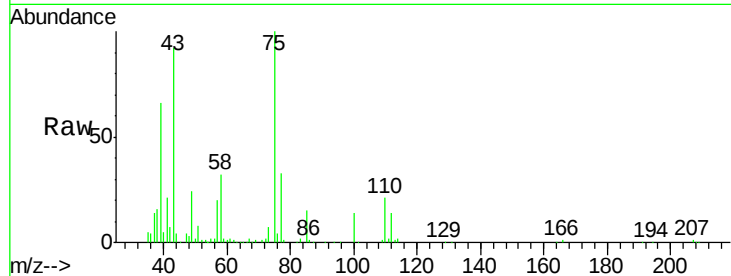
77 33.5 26.8 40.2

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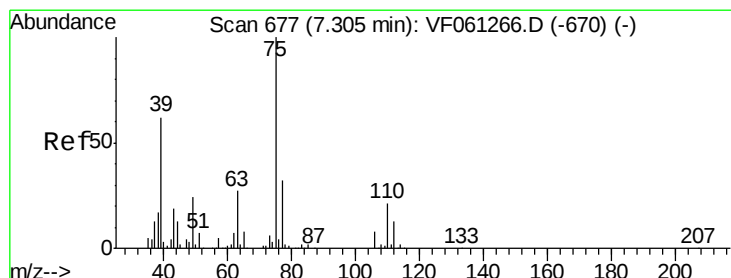
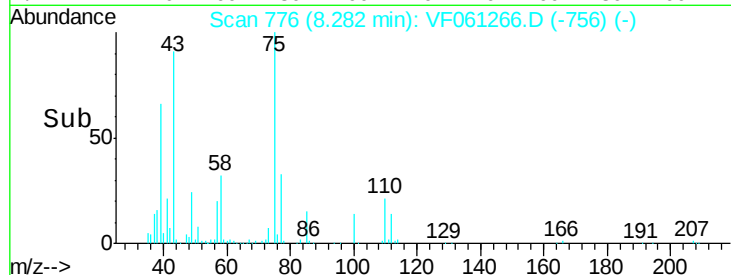
Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.28

8.10 8.20 8.30 8.40 8.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 47.905 ug/l

RT: 7.31 min Scan# 677

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

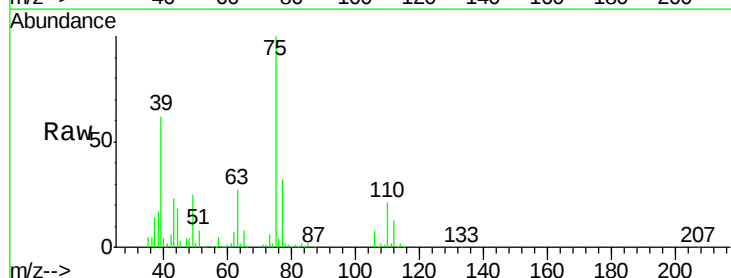
Tgt Ion: 75 Resp: 211283

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2

39 61.9 49.5 74.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

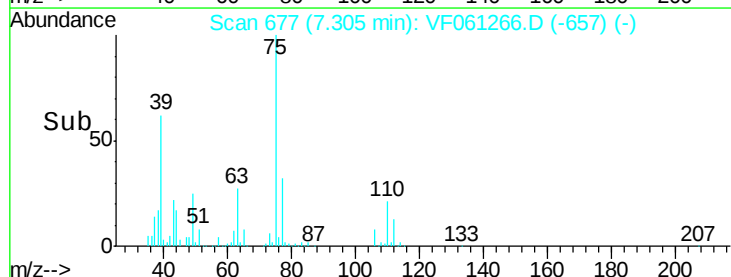
Ion 77.00 (76.70 to 77.70): VF0

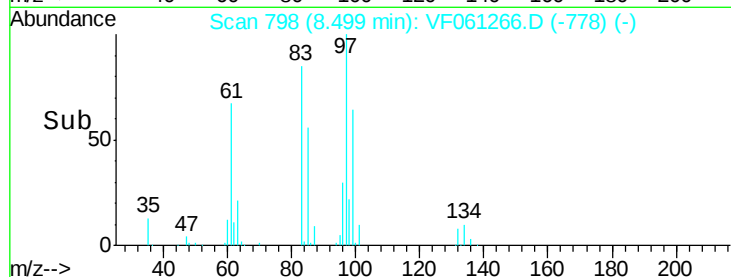
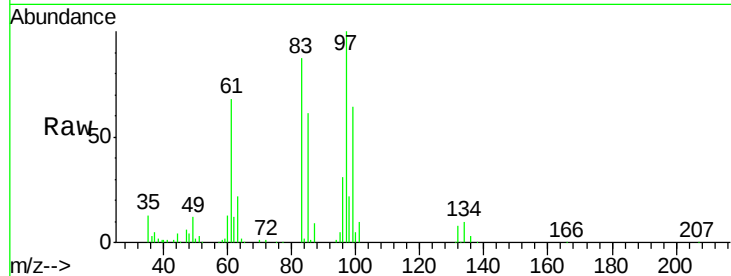
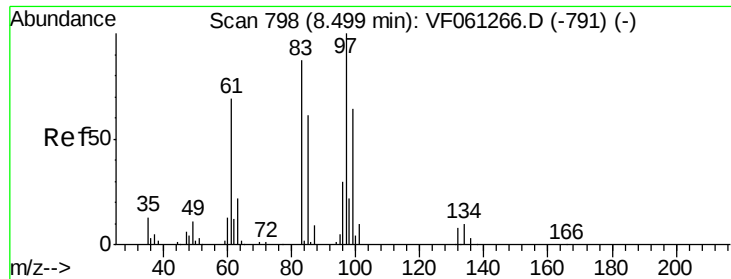
Ion 39.00 (38.70 to 39.70): VF0

7.31

7.20 7.30 7.40 7.50

Time-->





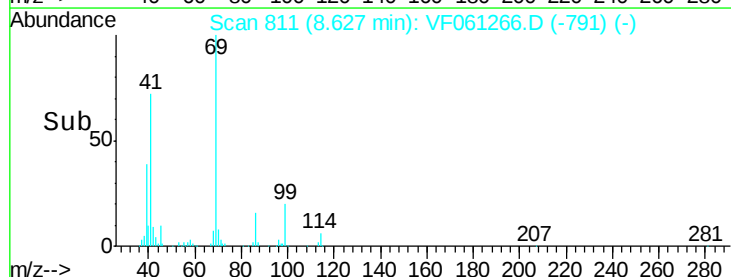
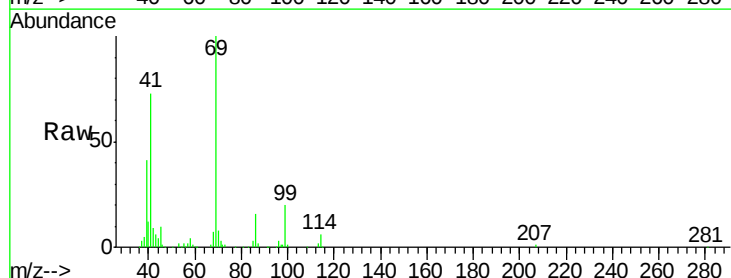
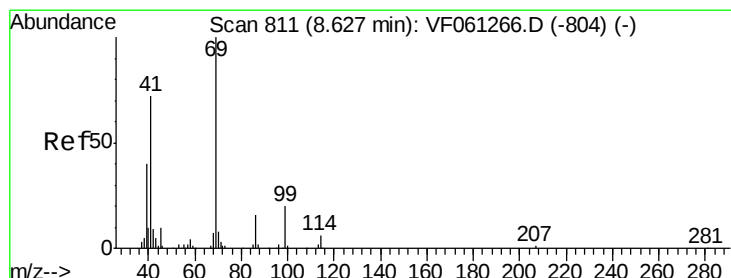
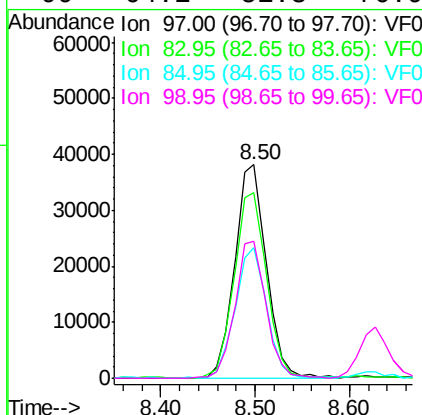
#55
1,1,2-Trichloroethane
Concen: 46.735 ug/l
RT: 8.50 min Scan# 798
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		88352		
83	87.1	69.7	104.5		
85	61.4	49.1	73.7		
99	64.1	51.3	76.9		

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

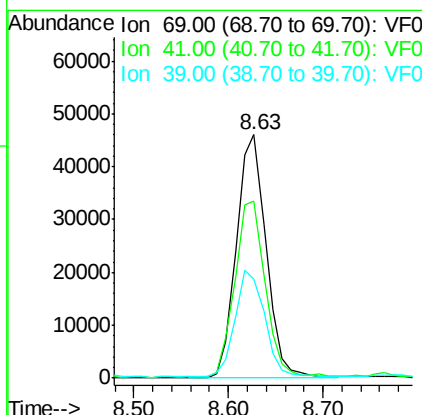
Manual Integrations
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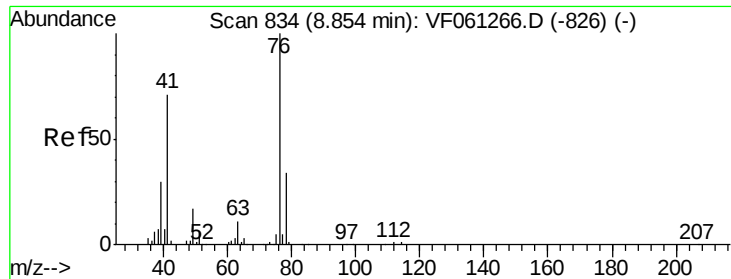
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#56
Ethyl methacrylate
Concen: 49.252 ug/l
RT: 8.63 min Scan# 811
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		100556		
41	72.6	58.1	87.1		
39	40.8	32.6	49.0		





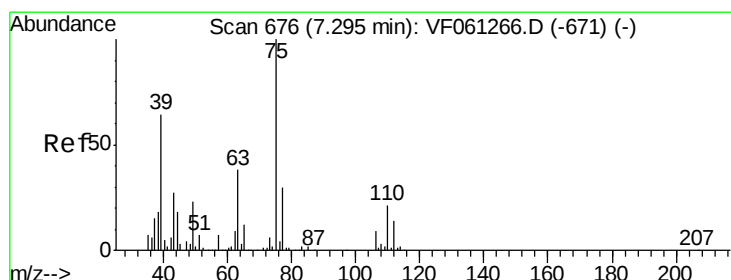
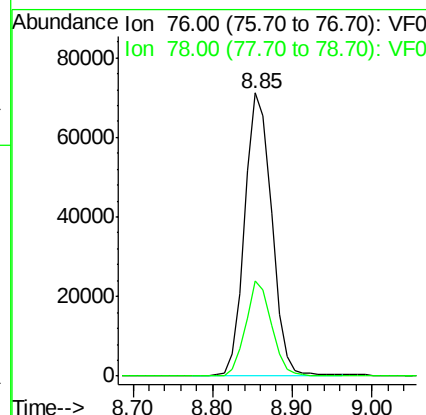
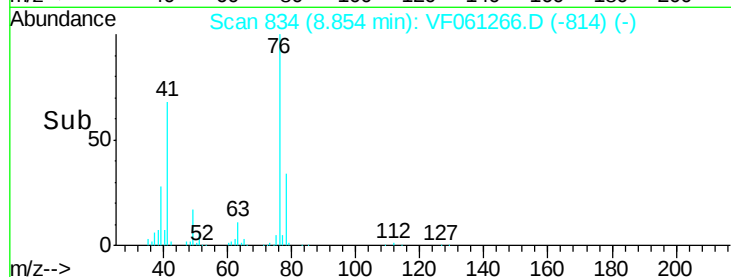
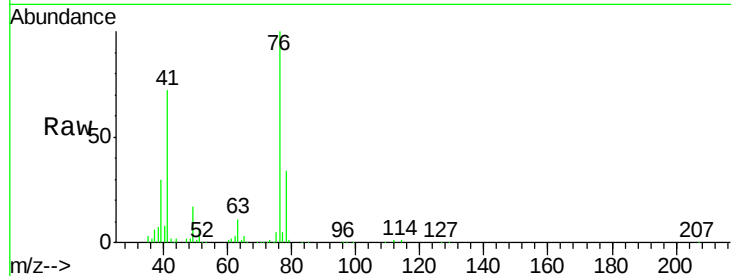
#57
 1,3-Dichloropropane
 Concen: 48.672 ug/l
 RT: 8.85 min Scan# 834
 Delta R.T. 0.00 min
 Lab File: VF061266.D
 Acq: 3 Jan 2019 15:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 166816
 Ion Ratio Lower Upper
 76 100
 78 33.5 26.8 40.2

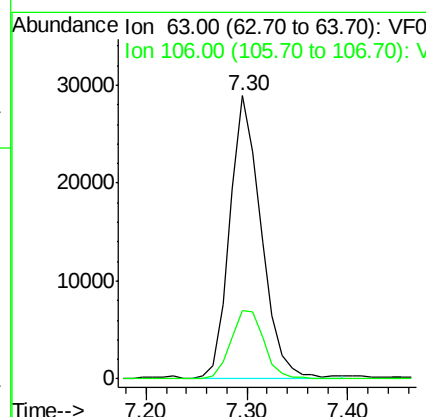
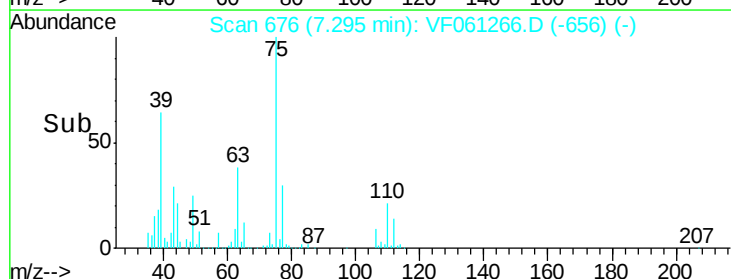
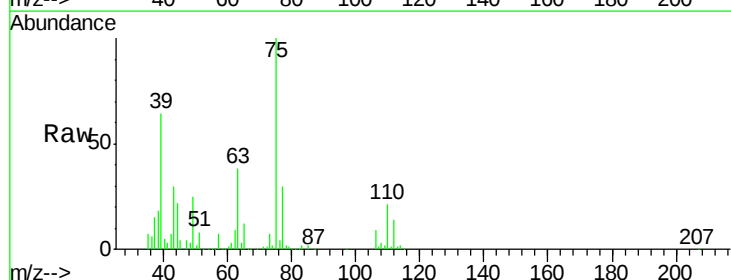
Manual Integrations
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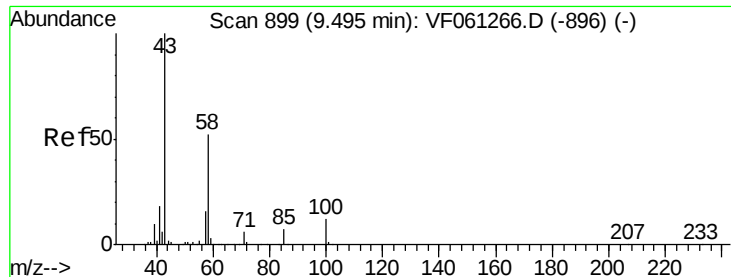
apatel
 1/4/2019 2:12:36 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 169.353 ug/l
 RT: 7.30 min Scan# 676
 Delta R.T. 0.00 min
 Lab File: VF061266.D
 Acq: 3 Jan 2019 15:46

Tgt Ion: 63 Resp: 63030
 Ion Ratio Lower Upper
 63 100
 106 24.0 19.2 28.8





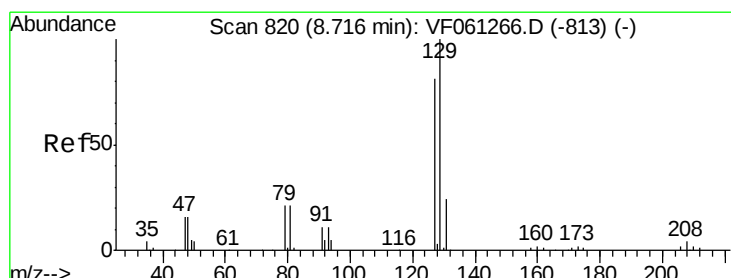
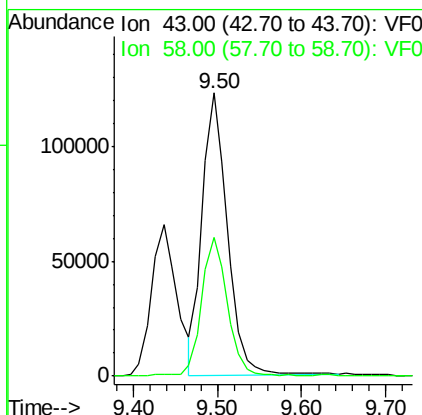
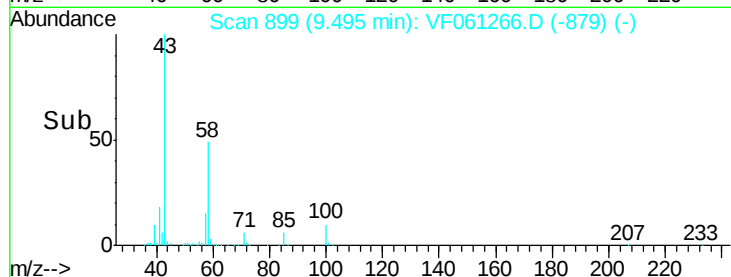
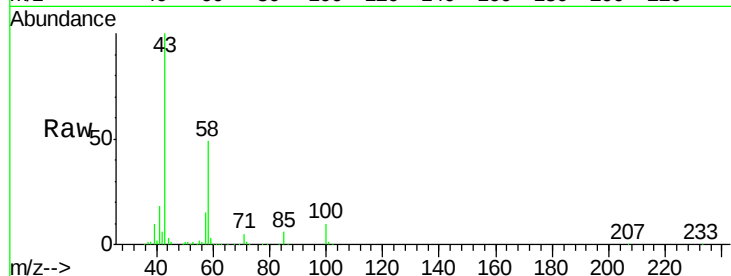
#59
2-Hexanone
Concen: 241.222 ug/l
RT: 9.50 min Scan# 899
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 254183
Ion Ratio Lower Upper
43 100
58 48.9 24.4 73.4

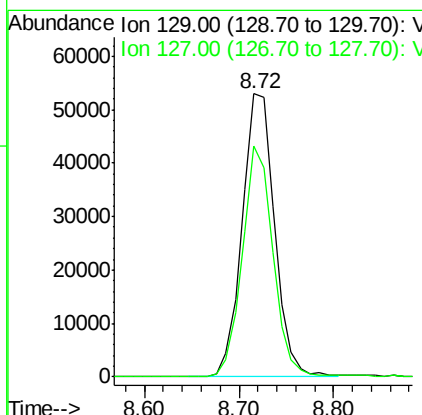
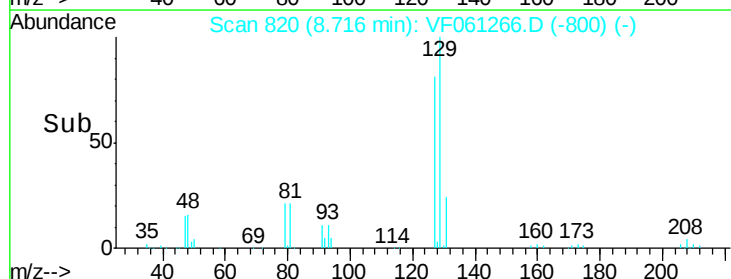
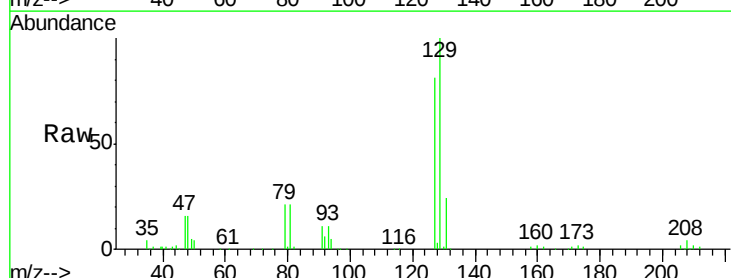
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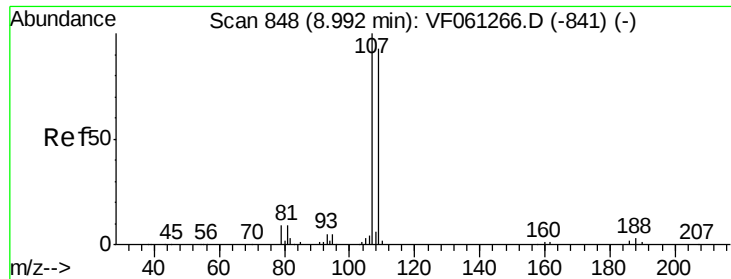
apatel
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#60
Dibromochloromethane
Concen: 47.300 ug/l
RT: 8.72 min Scan# 820
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Tgt Ion: 129 Resp: 126223
Ion Ratio Lower Upper
129 100
127 81.4 40.7 122.1





#61

1,2-Dibromoethane

Concen: 48.731 ug/l

RT: 8.99 min Scan# 848

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:107 Resp: 97984

Ion Ratio Lower Upper

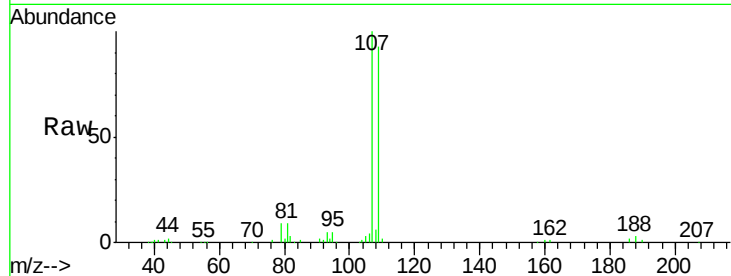
107 100

109 92.8 74.2 111.4

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.99

40000

30000

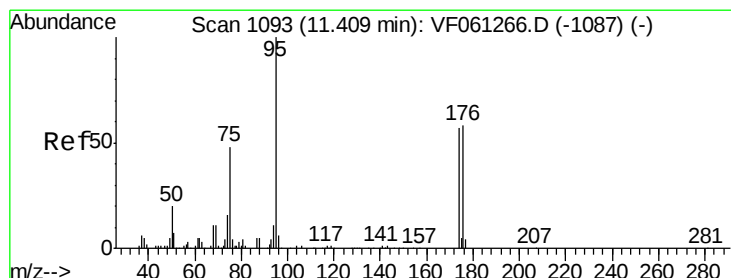
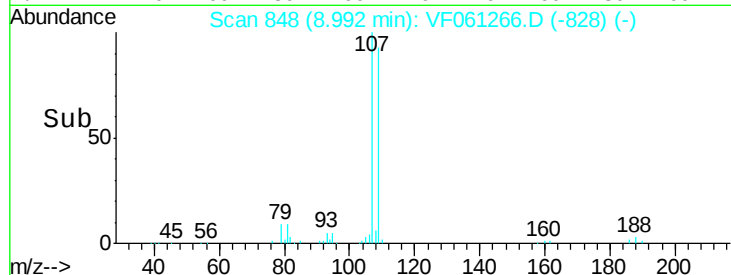
20000

10000

0

8.90 9.00 9.10

Time-->



#62

4-Bromofluorobenzene

Concen: 45.944 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

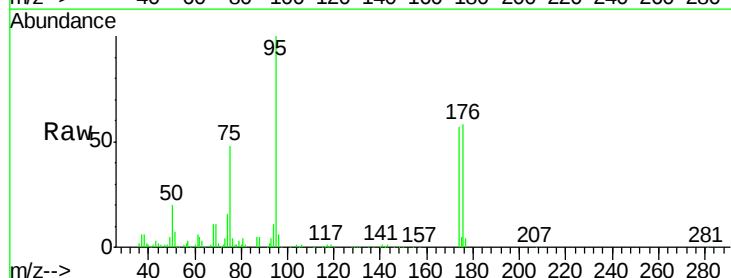
Tgt Ion: 95 Resp: 176355

Ion Ratio Lower Upper

95 100

174 56.6 0.0 113.2

176 57.8 0.0 115.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.41

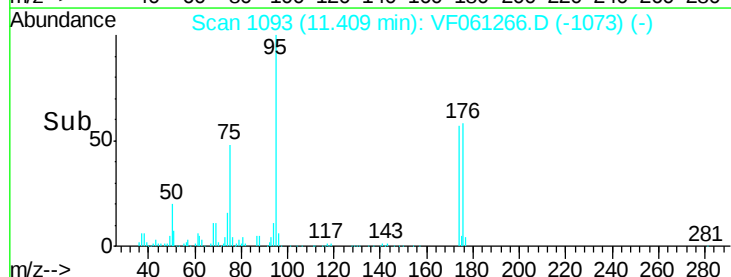
100000

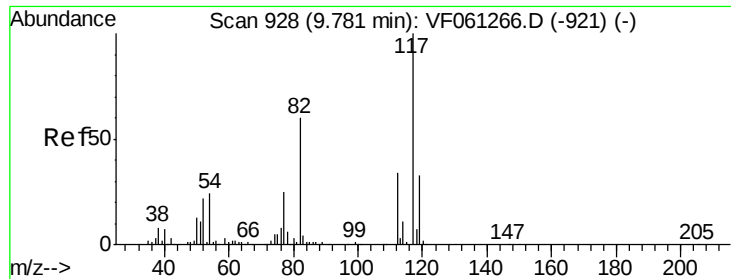
50000

0

11.30 11.40 11.50 11.60

Time-->





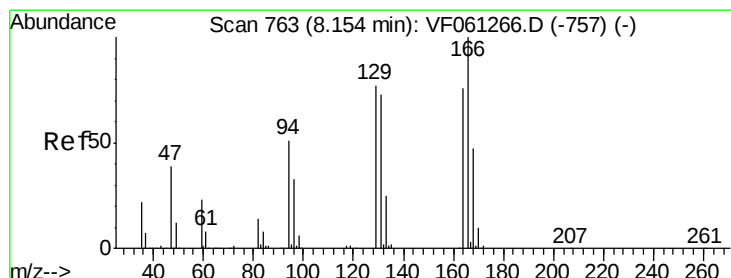
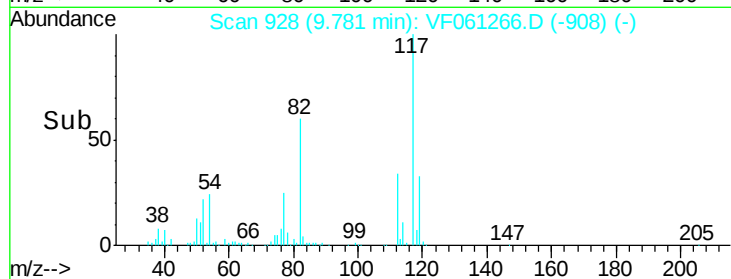
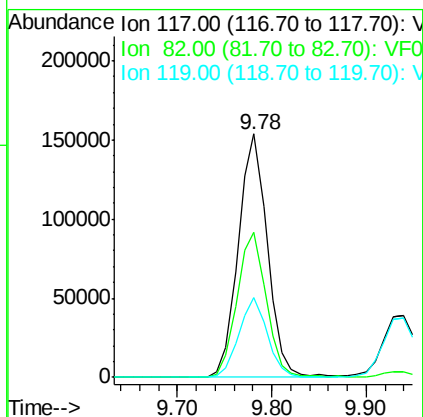
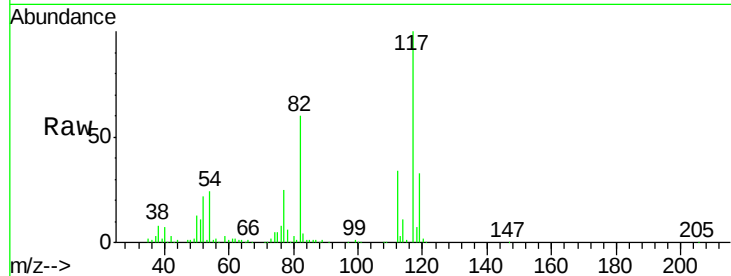
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	328875		
82	59.7		47.8	71.6
119	32.6		26.1	39.1

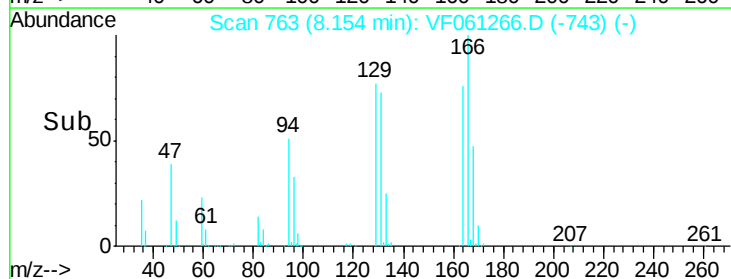
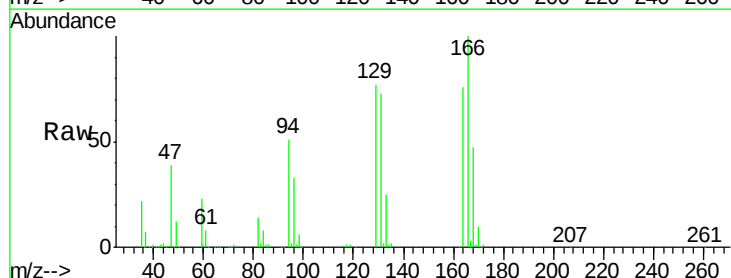
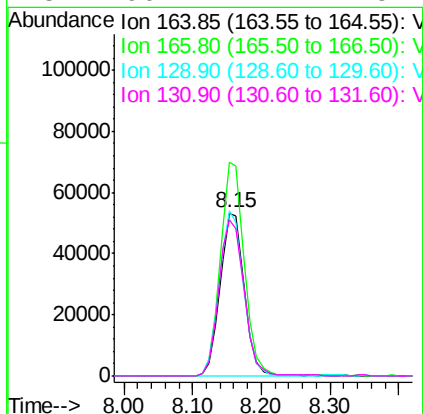
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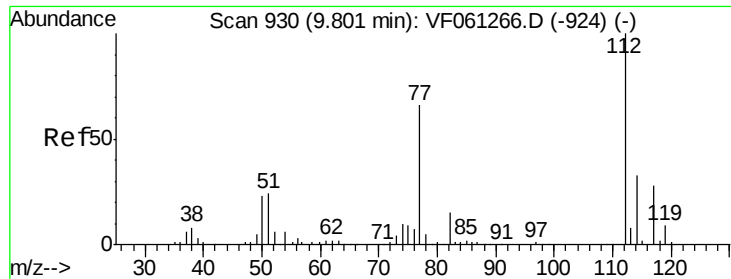
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#64
Tetrachloroethene
Concen: 50.649 ug/l
RT: 8.15 min Scan# 763
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	129411		
166	131.4		105.1	157.7
129	101.3		81.0	121.6
131	96.4		77.1	115.7





#65

Chlorobenzene

Concen: 50.335 ug/l

RT: 9.80 min Scan# 930

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 345909

Ion Ratio Lower Upper

112 100

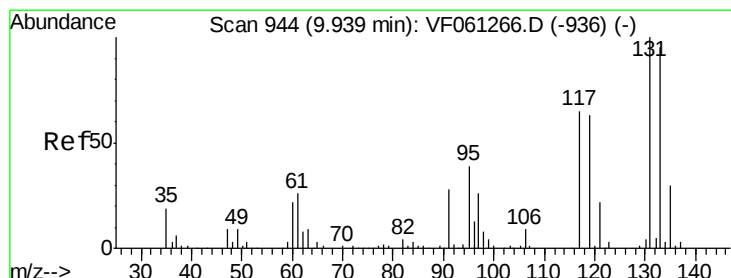
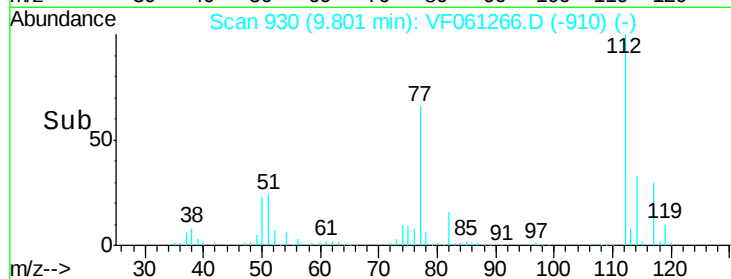
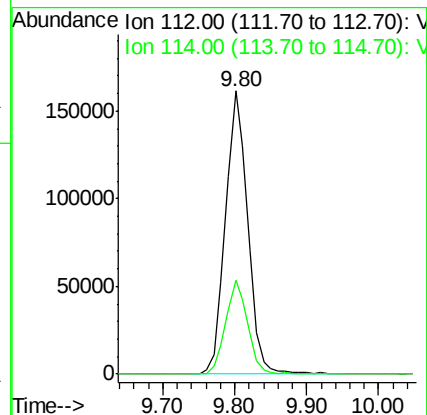
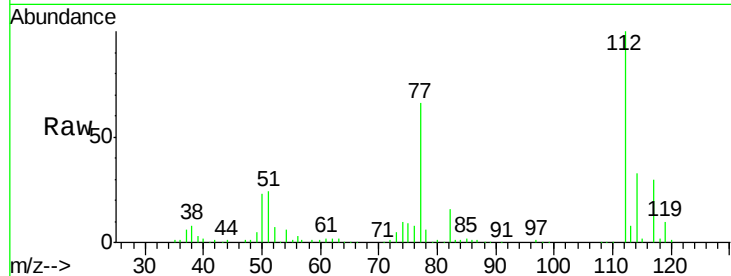
114 33.0 26.4 39.6

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 49.362 ug/l

RT: 9.94 min Scan# 944

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

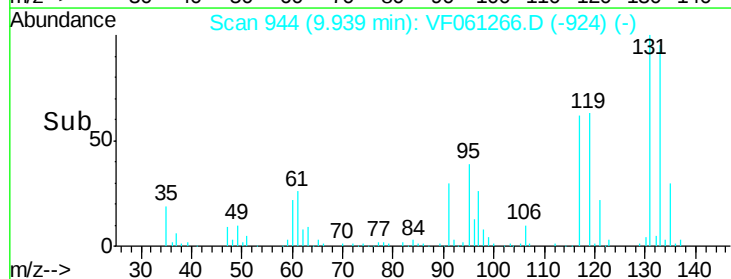
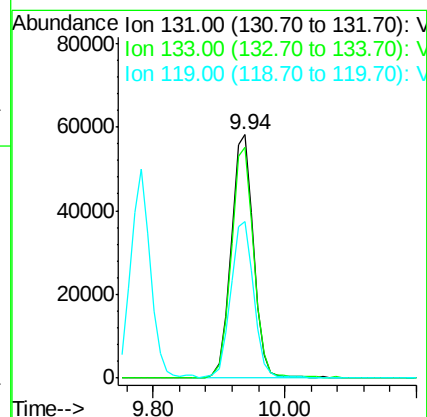
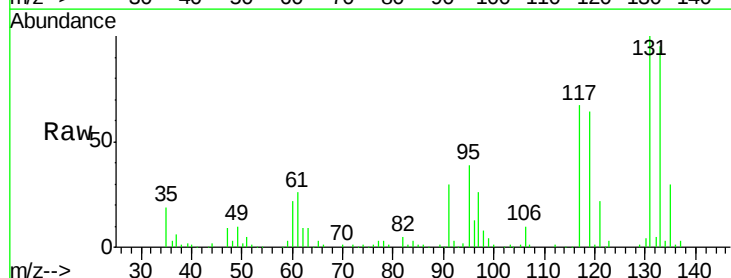
Tgt Ion:131 Resp: 138678

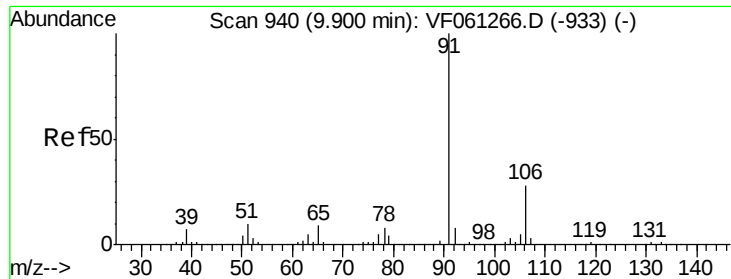
Ion Ratio Lower Upper

131 100

133 95.0 47.5 142.5

119 64.4 32.2 96.6





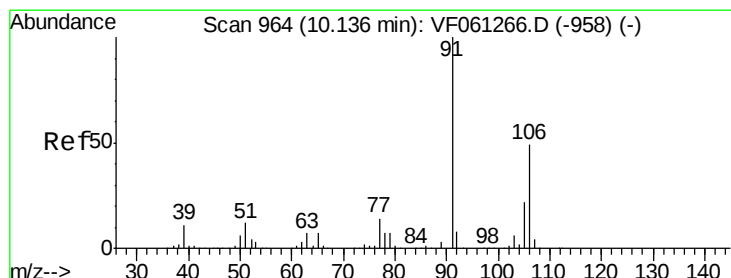
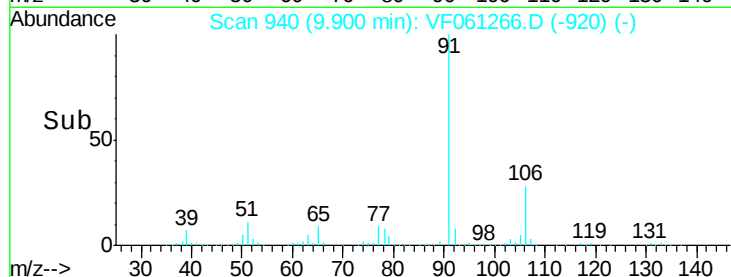
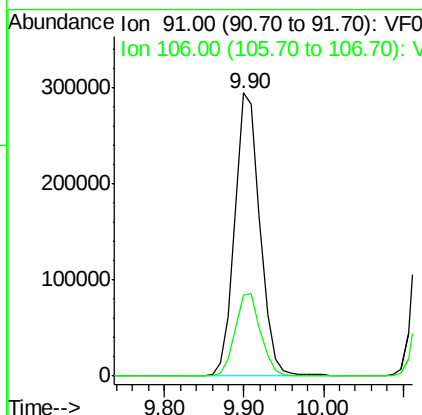
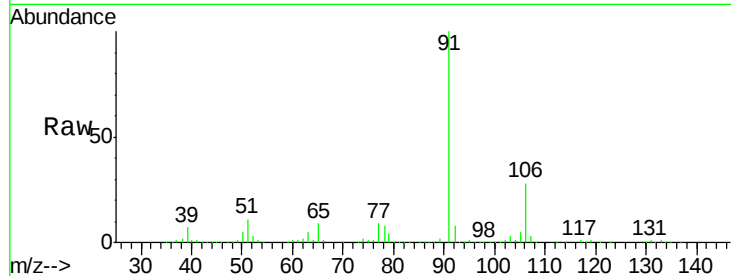
#67
Ethyl Benzene
Concen: 51.748 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 651453
Ion Ratio Lower Upper
91 100
106 28.5 22.8 34.2

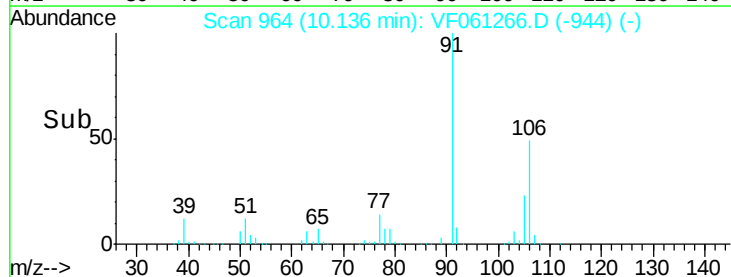
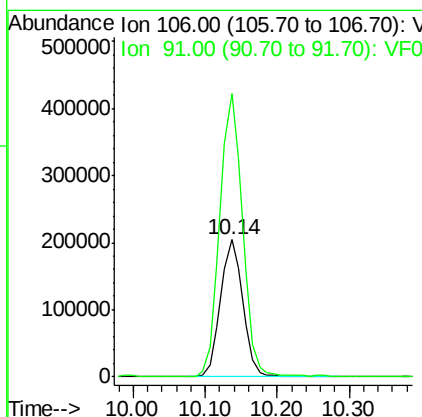
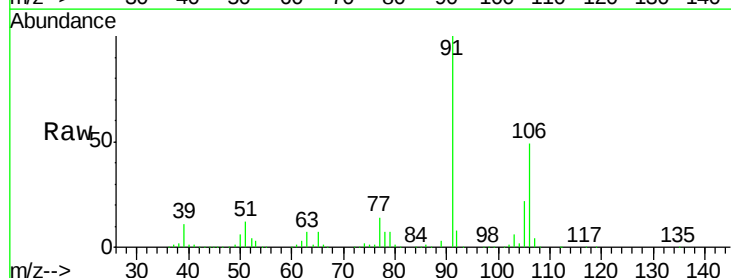
Manual Integrations
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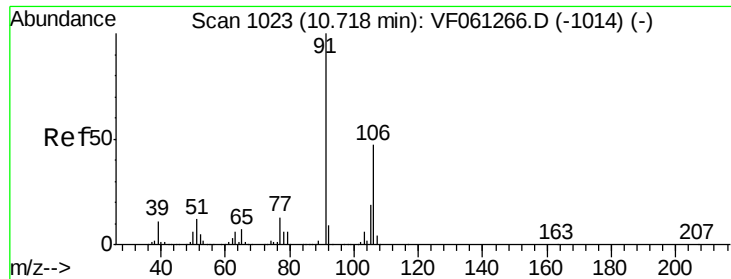
apatel
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#68
m/p-Xylenes
Concen: 99.775 ug/l
RT: 10.14 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Tgt Ion: 106 Resp: 439098
Ion Ratio Lower Upper
106 100
91 206.0 164.8 247.2





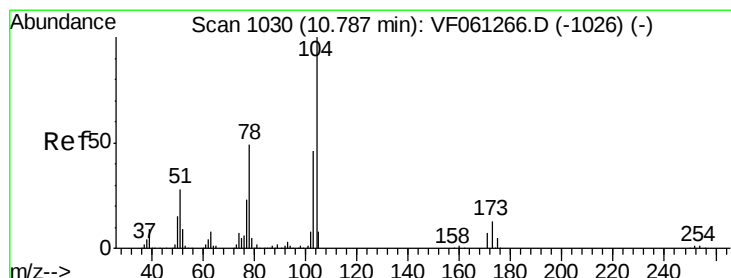
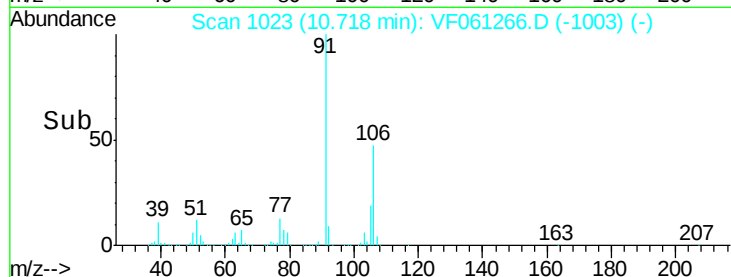
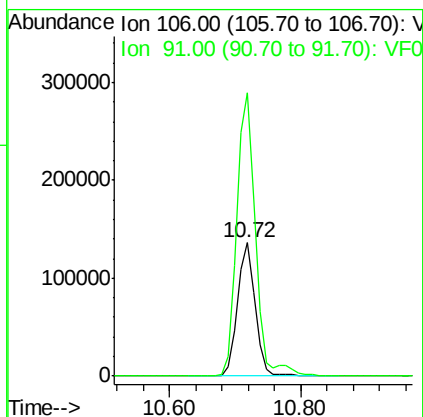
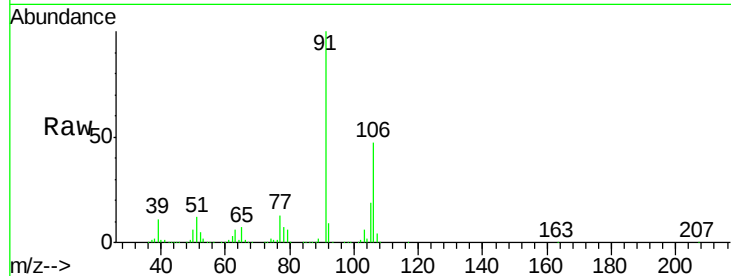
#69
o-Xylene
Concen: 52.273 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 257441
Ion Ratio Lower Upper
106 100
91 212.3 106.2 318.5

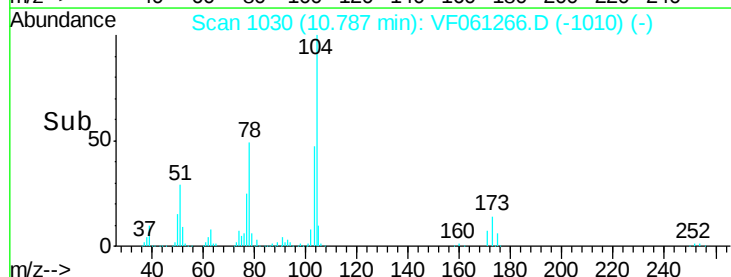
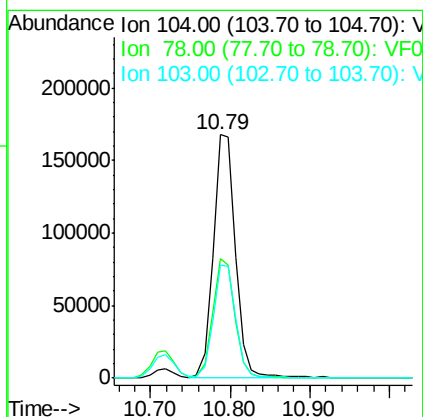
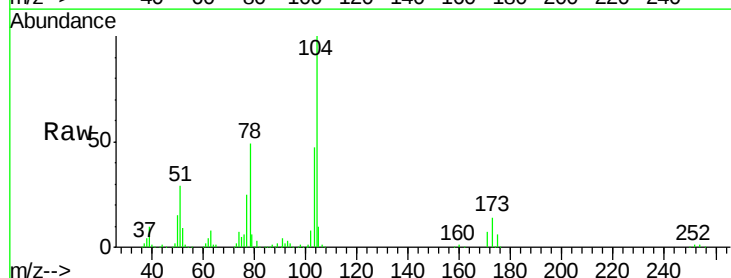
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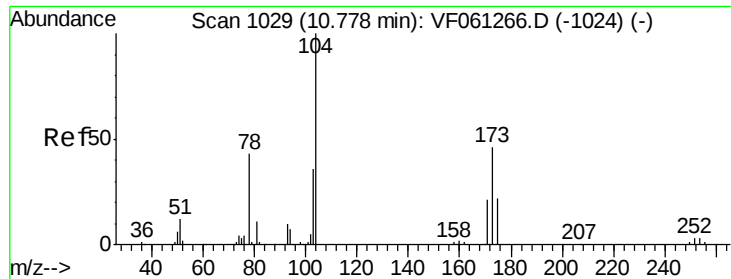
apatel
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#70
Styrene
Concen: 48.608 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Tgt Ion:104 Resp: 330901
Ion Ratio Lower Upper
104 100
78 49.1 39.3 58.9
103 46.6 37.3 55.9





#71

Bromoform

Concen: 49.396 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 63926

Ion Ratio Lower Upper

173 100

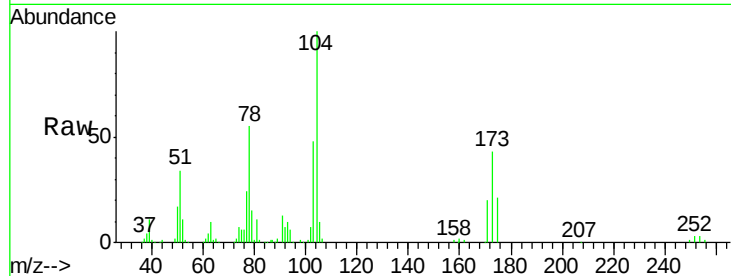
175 49.1 24.6 73.6

254 6.6 5.3 7.9

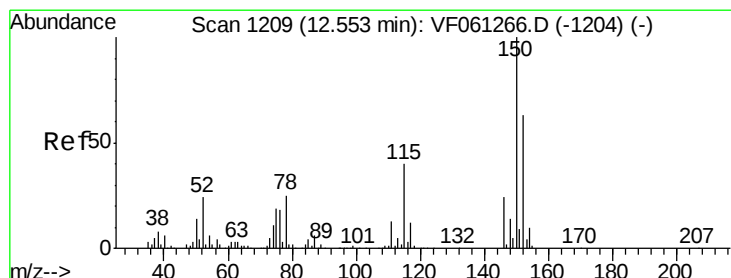
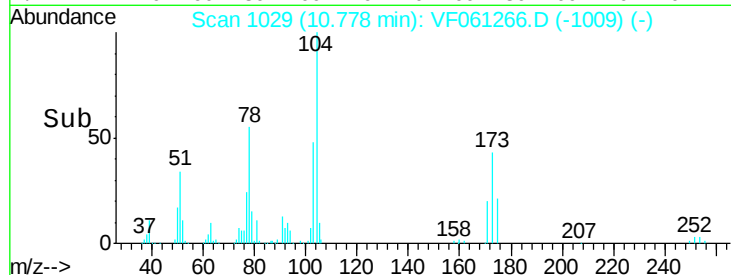
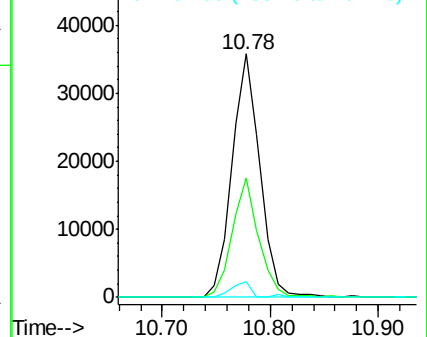
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Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

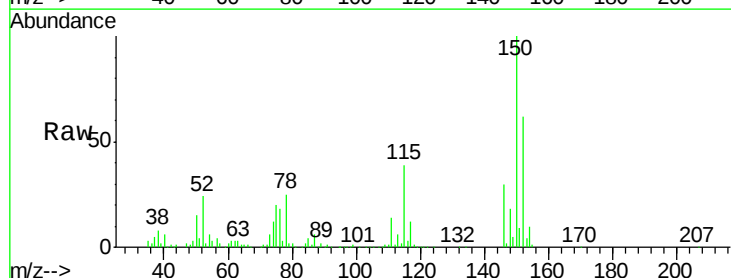
Tgt Ion:152 Resp: 162479

Ion Ratio Lower Upper

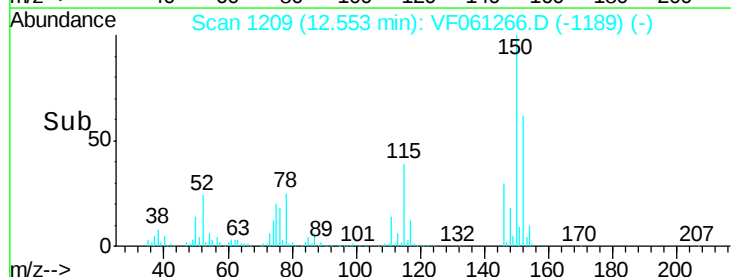
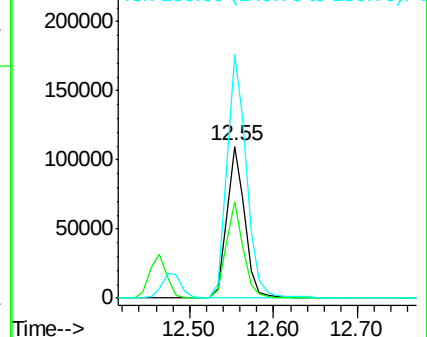
152 100

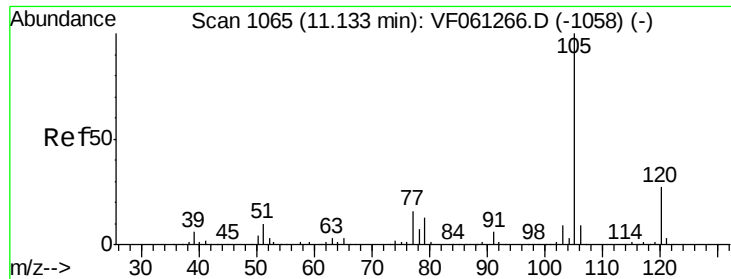
115 63.1 31.6 94.7

150 160.1 0.0 320.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 51.383 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 720057

Ion Ratio Lower Upper

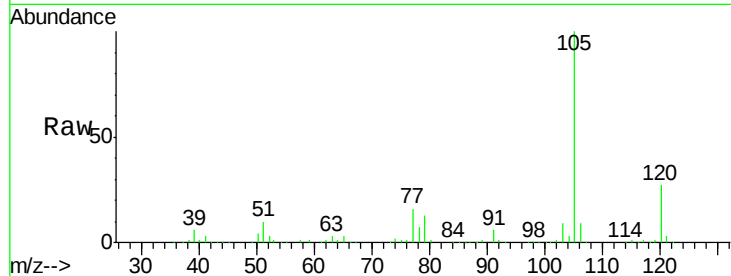
105 100

120 26.7 13.4 40.1

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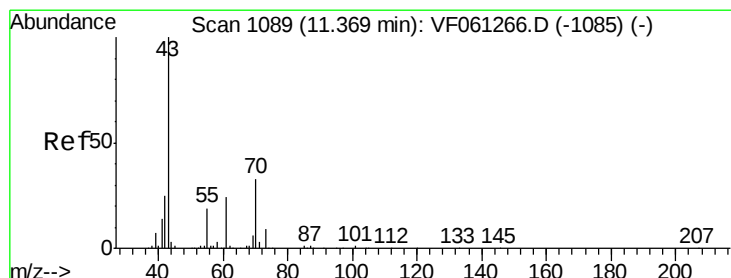
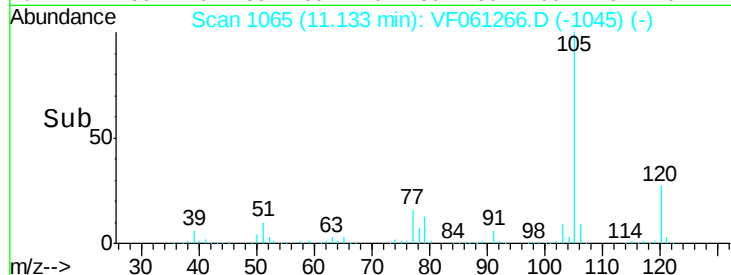
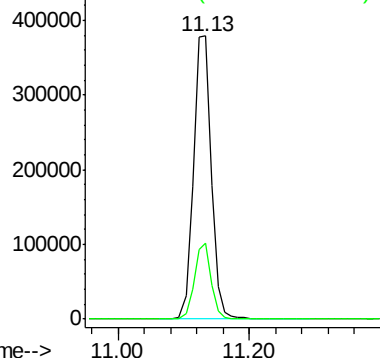
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.919 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Tgt Ion: 43 Resp: 162512

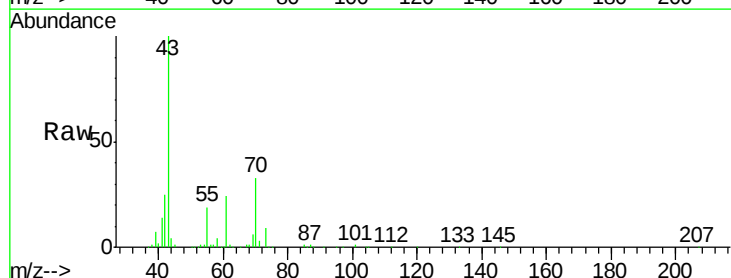
Ion Ratio Lower Upper

43 100

70 33.4 26.7 40.1

55 19.2 15.4 23.0

61 24.2 19.4 29.0

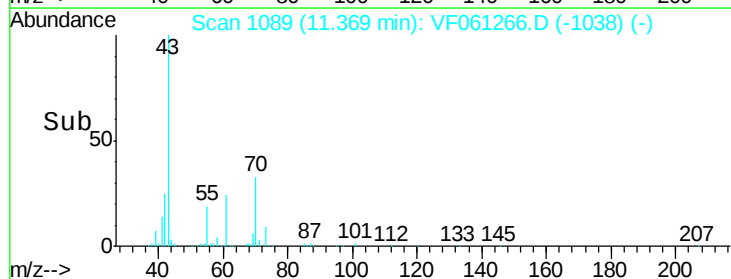
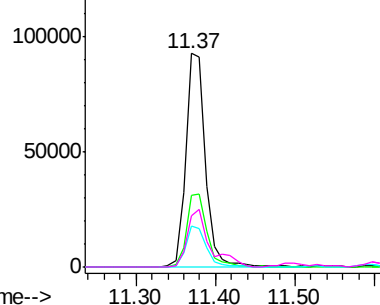


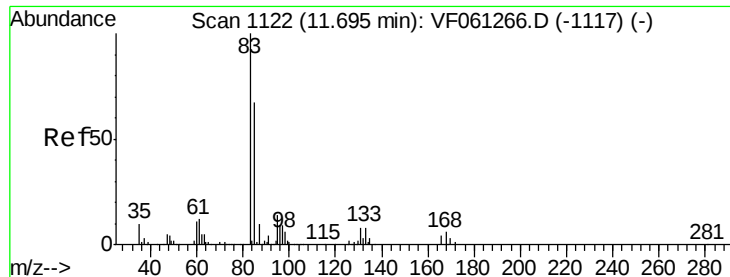
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.649 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 109585
Ion Ratio Lower Upper

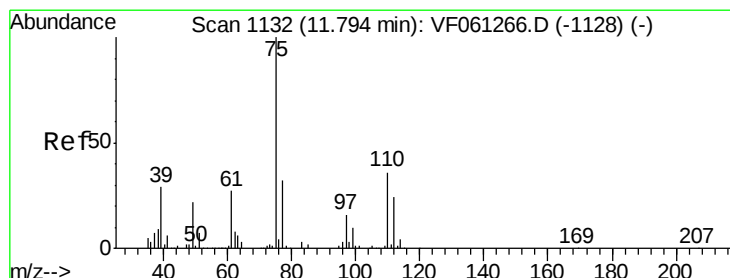
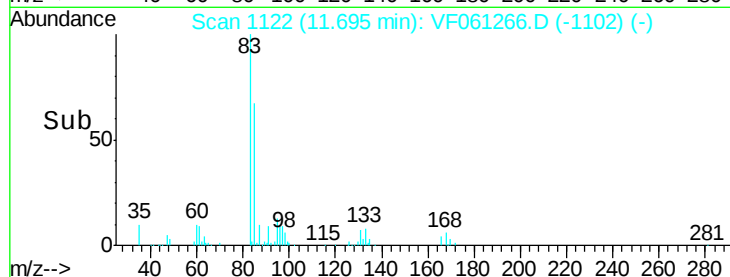
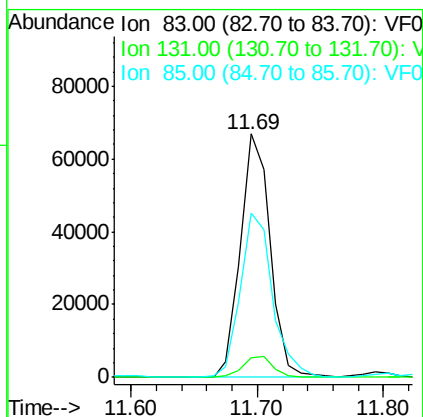
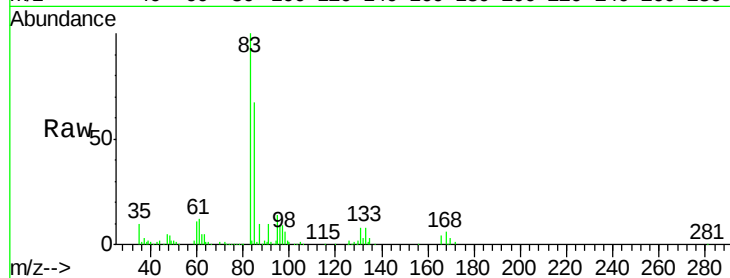
83 100

131 8.0 4.0 12.0

85 67.2 33.6 100.8

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#76

1,2,3-Trichloropropane

Concen: 47.994 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. 0.00 min

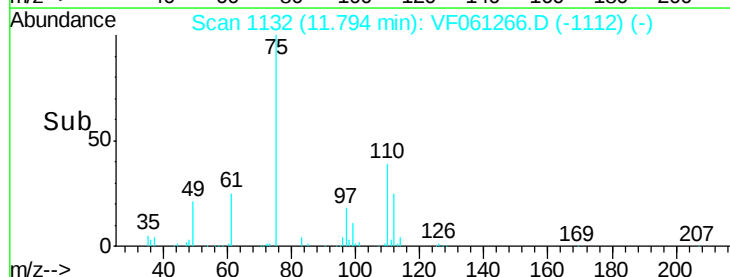
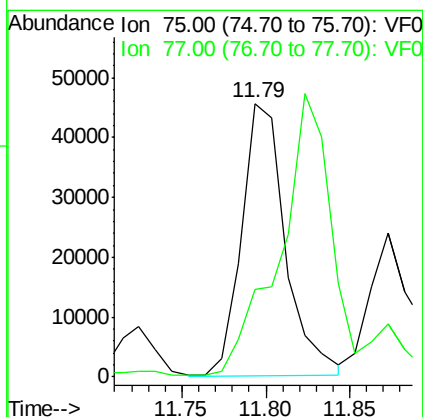
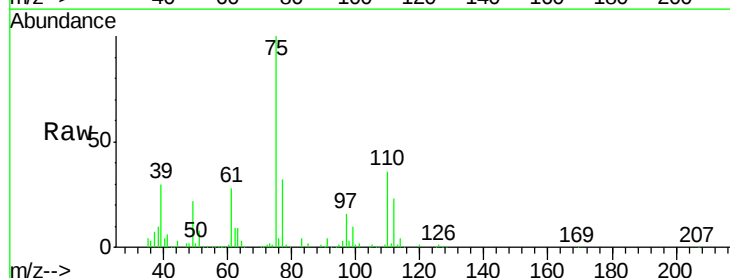
Lab File: VF061266.D

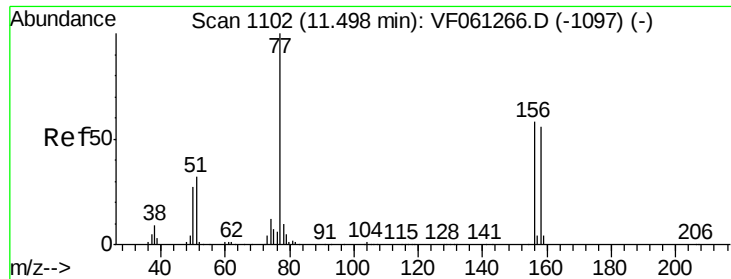
Acq: 3 Jan 2019 15:46

Tgt Ion: 75 Resp: 82207
Ion Ratio Lower Upper

75 100

77 31.8 15.9 47.7





#77

Bromobenzene

Concen: 49.327 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

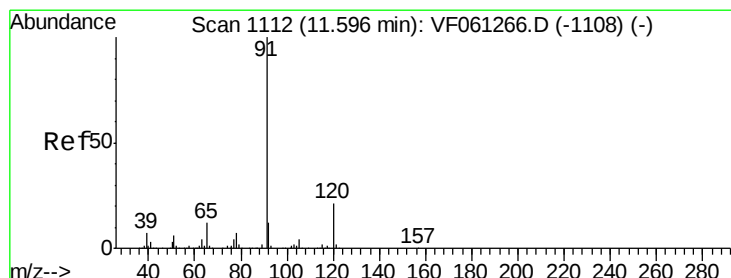
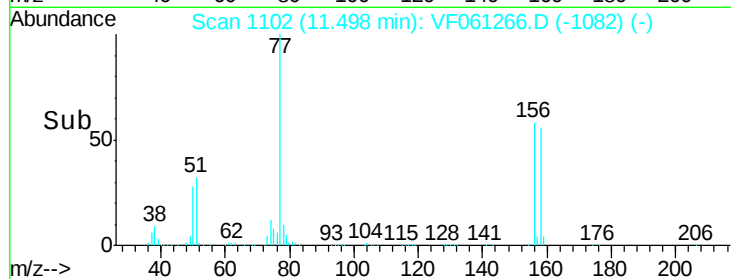
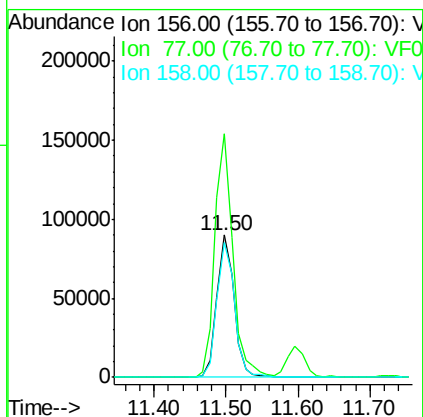
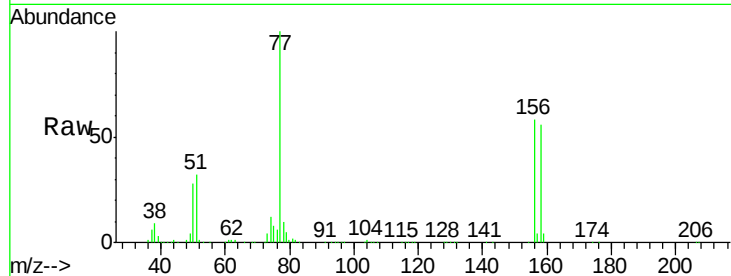
ClientSampleId :

VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	171.5	85.8	257.3	
158	95.2	47.6	142.8	

Manual Integrations
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#78

n-propylbenzene

Concen: 48.797 ug/l

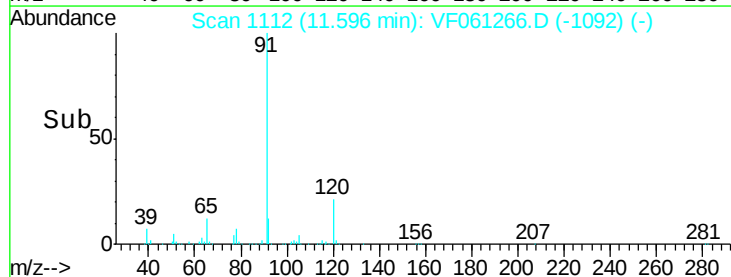
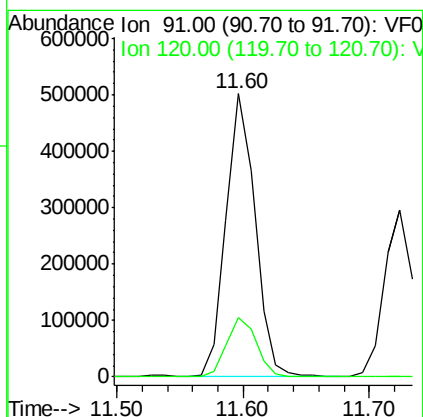
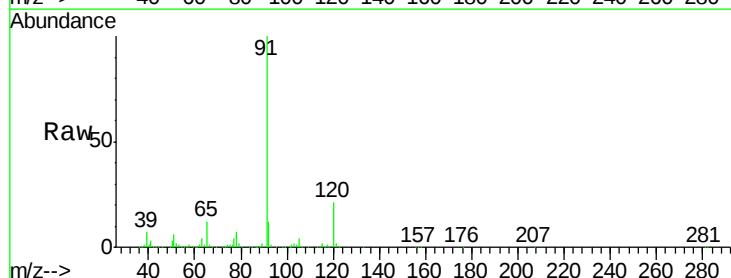
RT: 11.60 min Scan# 1112

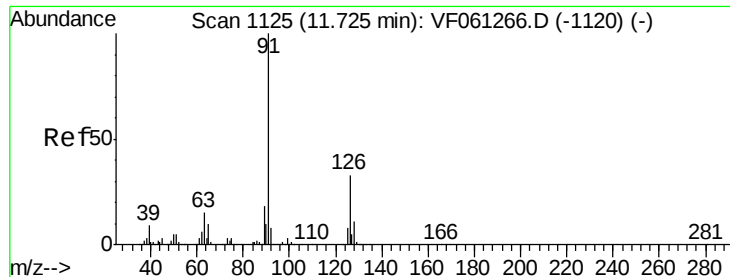
Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.2	10.6	31.8	





#79

2-Chlorotoluene

Concen: 49.274 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VF061266.D

Acq: 3 Jan 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 471213

Ion Ratio Lower Upper

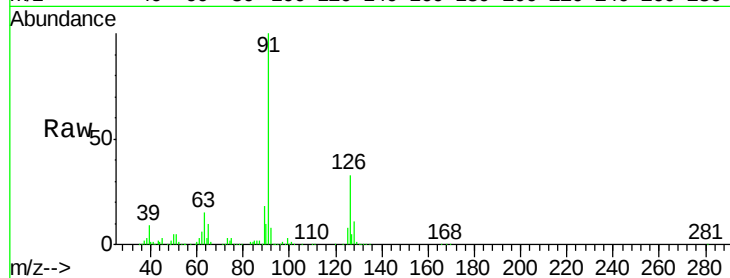
91 100

126 32.5 16.3 48.8

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Abundance Ion 91.00 (90.70 to 91.70): VF061266.D (-1120) (-)

Ion 126.00 (125.70 to 126.70): VF061266.D (-1120) (-)

11.72

300000

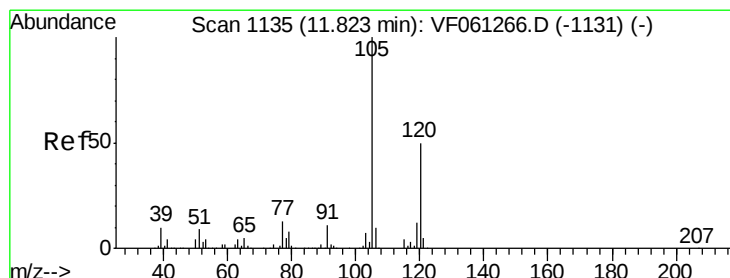
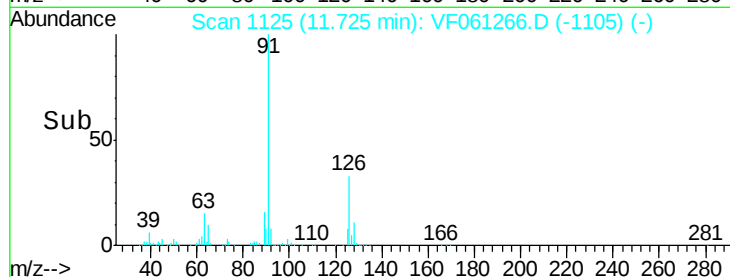
200000

100000

0

11.70 11.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.542 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VF061266.D

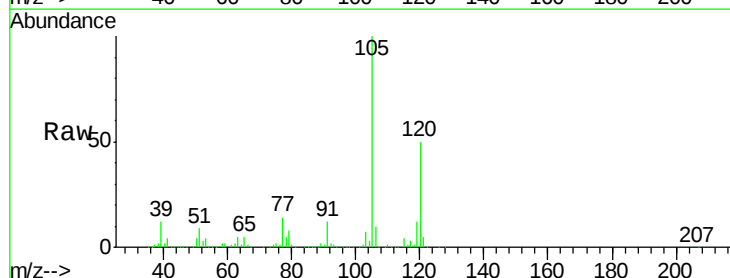
Acq: 3 Jan 2019 15:46

Tgt Ion: 105 Resp: 556012

Ion Ratio Lower Upper

105 100

120 49.6 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VF061266.D (-1131) (-)

Ion 120.00 (119.70 to 120.70): VF061266.D (-1131) (-)

11.82

300000

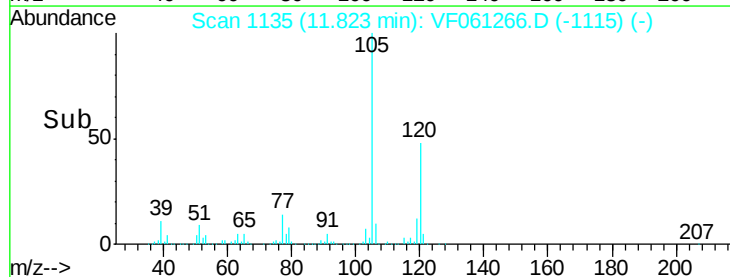
200000

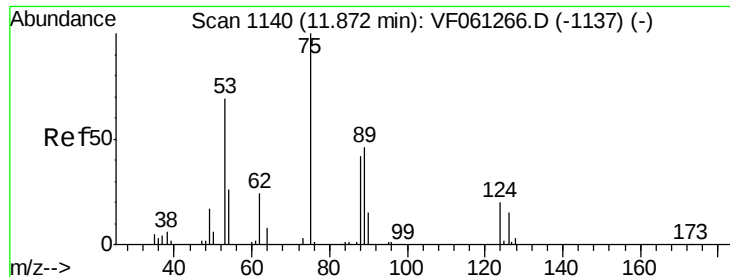
100000

0

11.70 11.80 11.90 12.00

Time-->





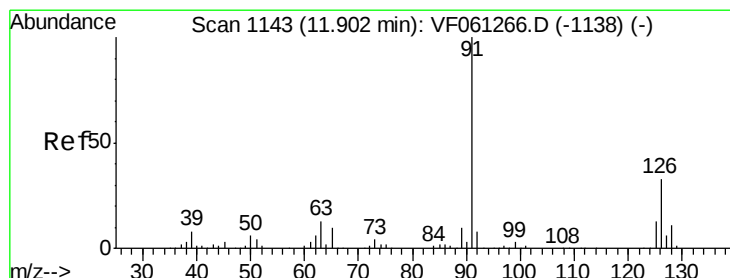
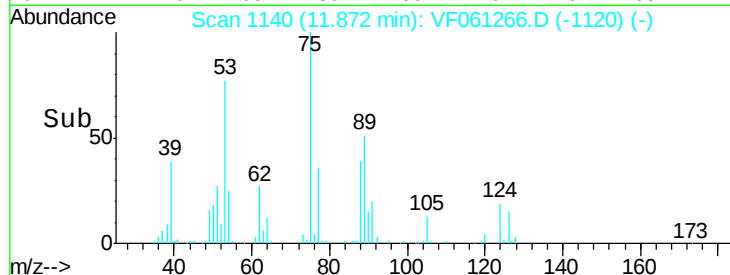
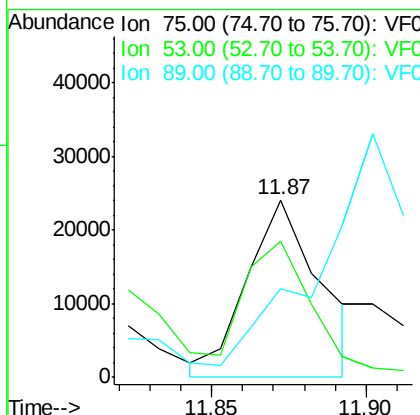
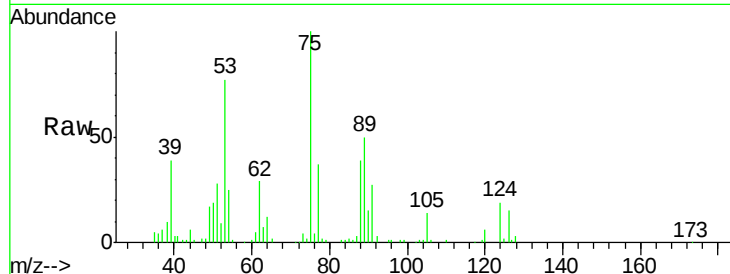
#81
trans-1,4-Dichloro-2-butene
Concen: 53.088 ug/l m
RT: 11.87 min Scan# 1140
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	77.1	61.7	92.5
89	50.4	40.3	60.5

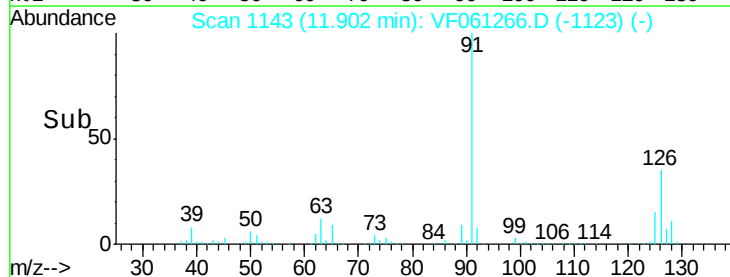
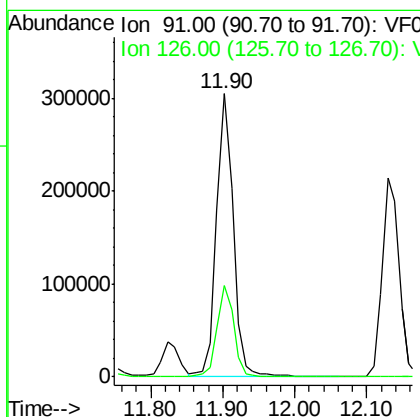
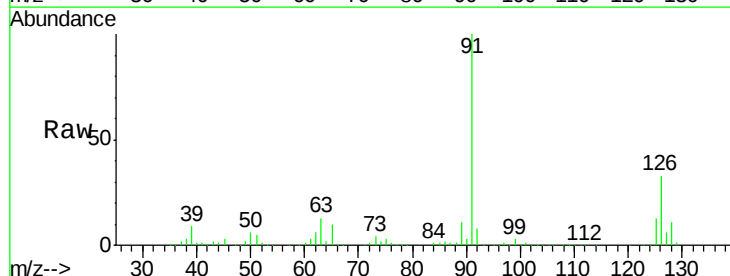
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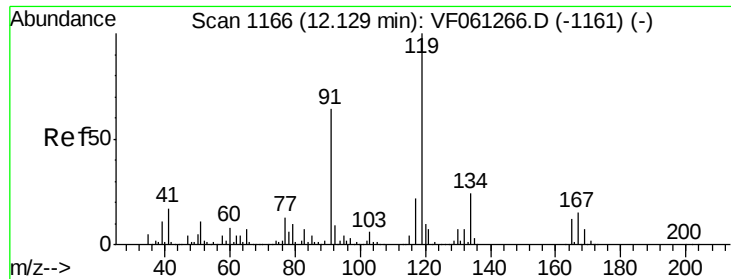
apatel
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#82
4-Chlorotoluene
Concen: 48.406 ug/l
RT: 11.90 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.3	48.8





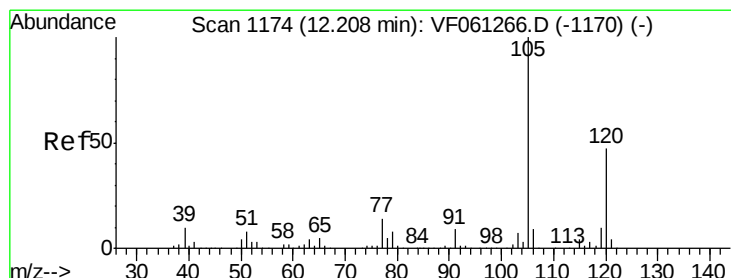
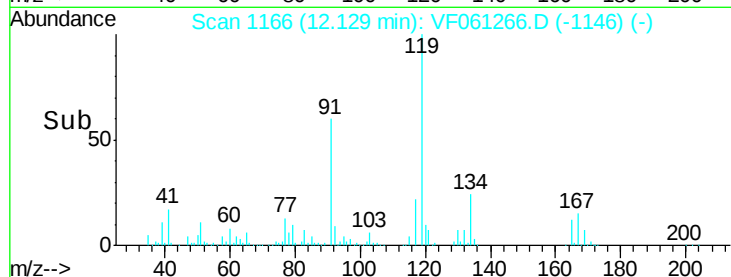
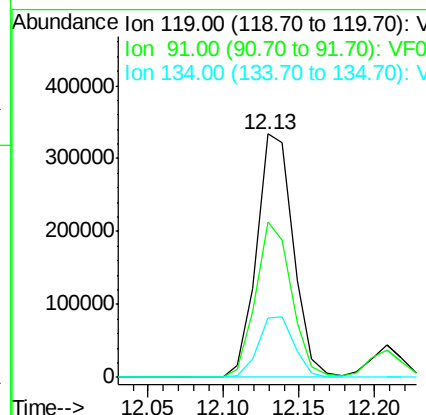
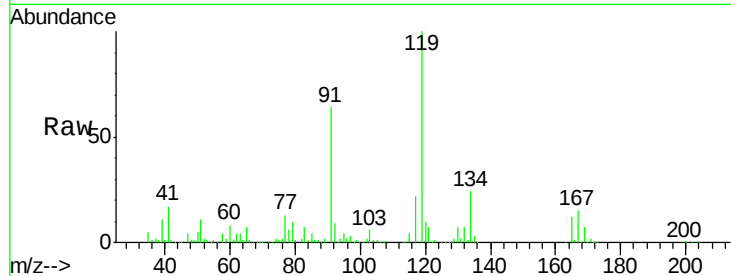
#83
 tert-Butylbenzene
 Concen: 48.275 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. 0.00 min
 Lab File: VF061266.D
 Acq: 3 Jan 2019 15:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	568523		
91	64.0	32.0	96.0	
134	24.2	12.1	36.3	

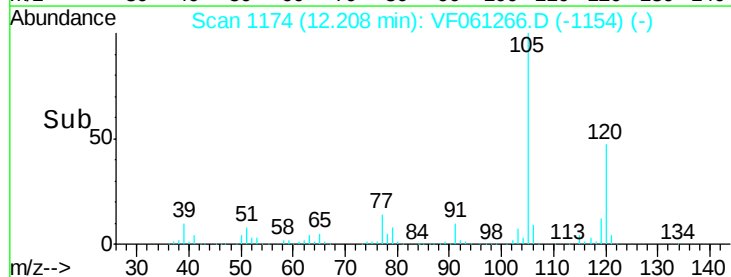
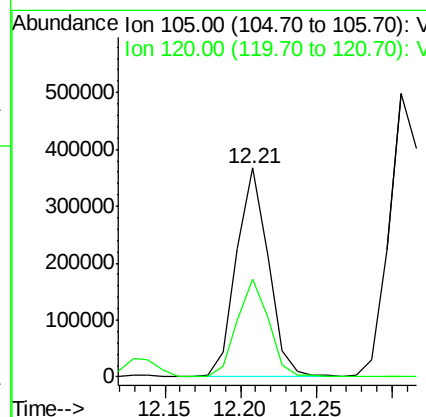
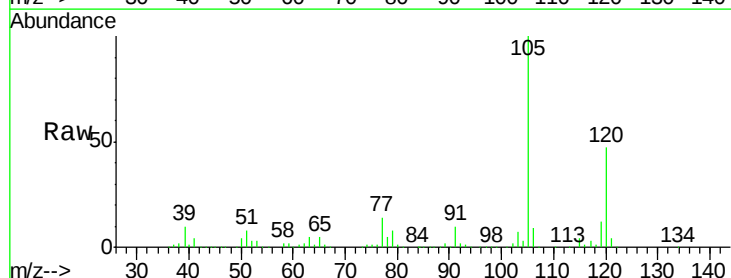
Manual Integrations
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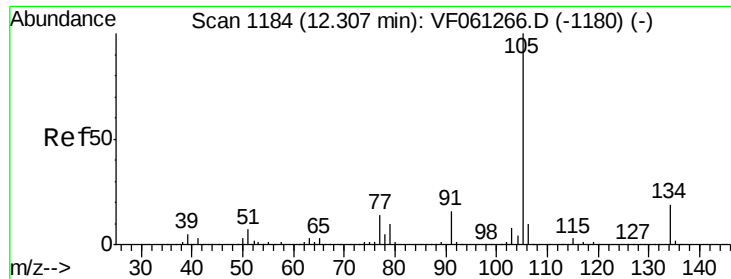
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.244 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VF061266.D
 Acq: 3 Jan 2019 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	539720		
120	46.6	23.3	69.9	





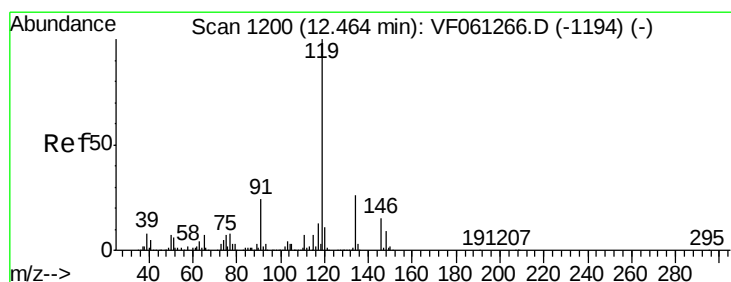
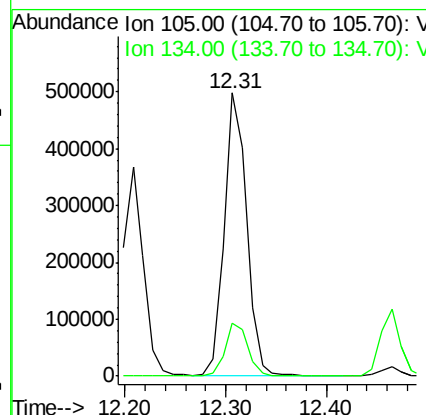
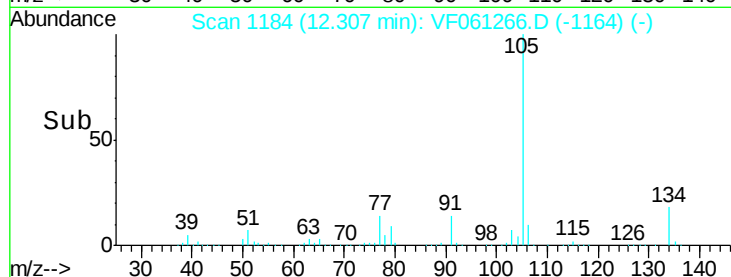
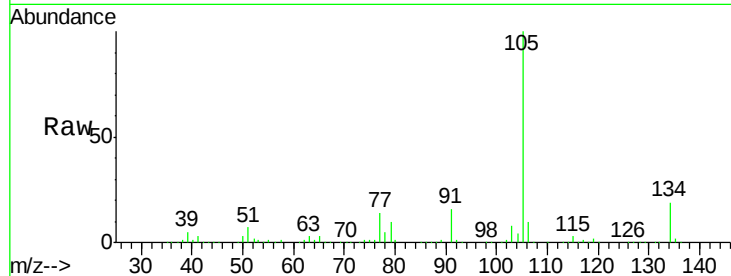
#85
 sec-Butylbenzene
 Concen: 49.918 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: VF061266.D
 Acq: 3 Jan 2019 15:46

Instrument :
 MSVOA_F
 ClientSampled :
 VSTDICCC050

Tot Ion:105 Resp: 773194
 Ion Ratio Lower Upper
 105 100
 134 18.8 9.4 28.2

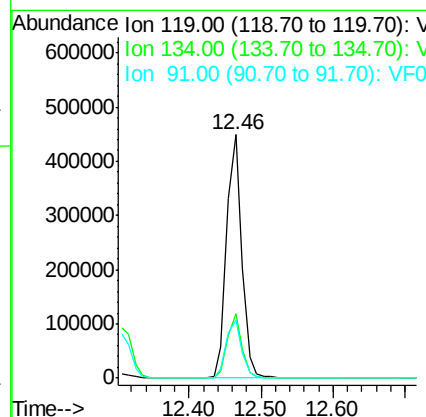
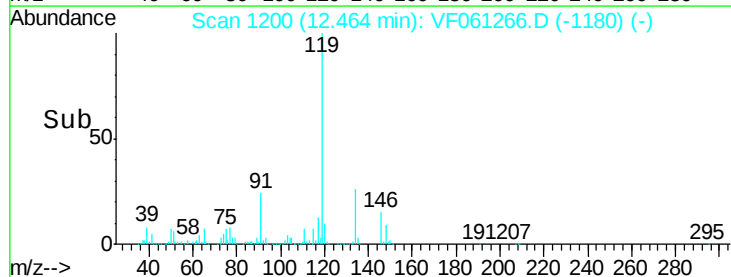
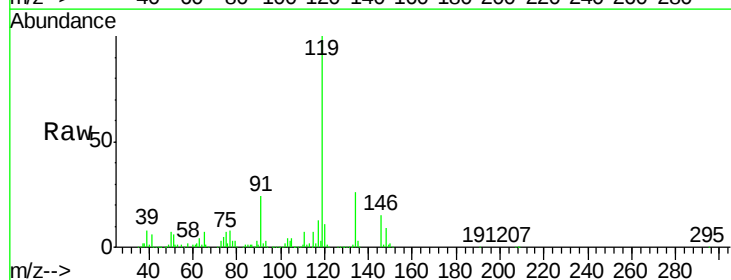
Manual Integrations
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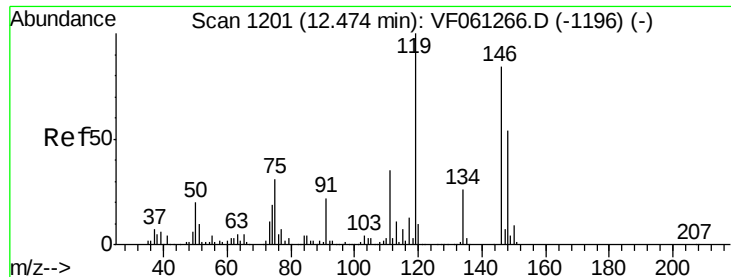
apatel
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#86
 p-Isopropyltoluene
 Concen: 50.645 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VF061266.D
 Acq: 3 Jan 2019 15:46

Tgt Ion:119 Resp: 652338
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.2 39.6
 91 23.8 11.9 35.7





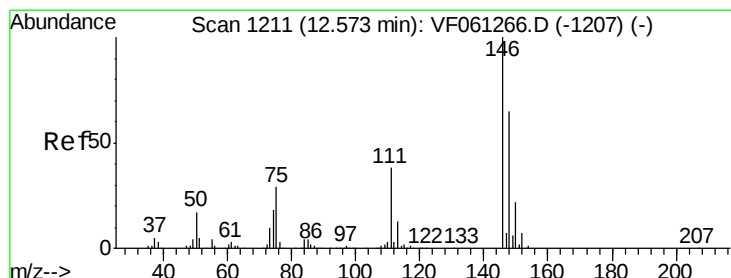
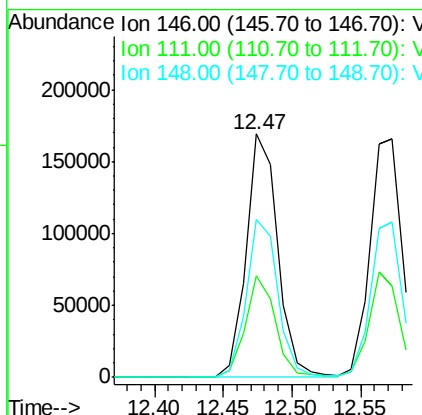
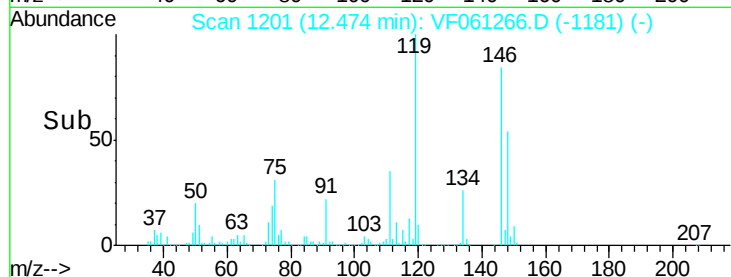
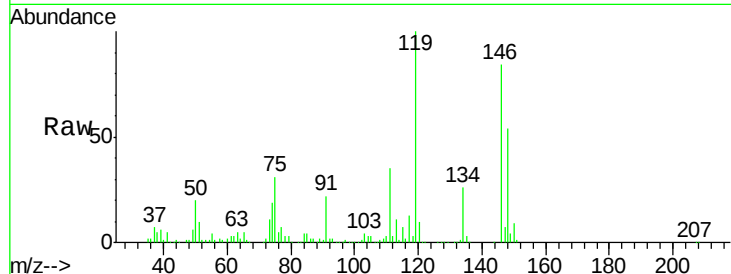
#87
 1,3-Dichlorobenzene
 Concen: 47.840 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF061266.D
 Acq: 3 Jan 2019 15:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	271835		
111	41.9	20.9	62.8	
148	64.9	32.5	97.4	

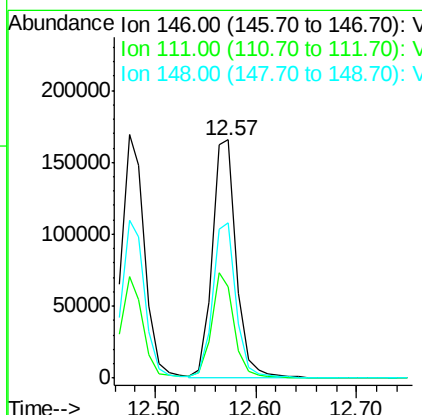
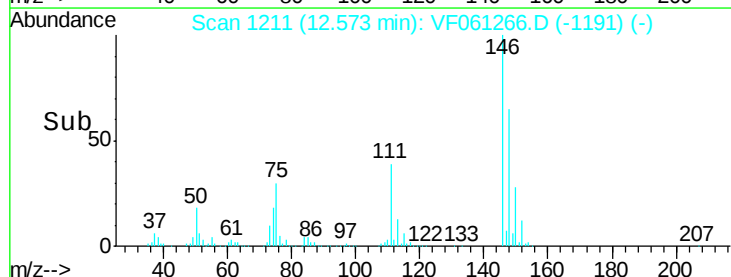
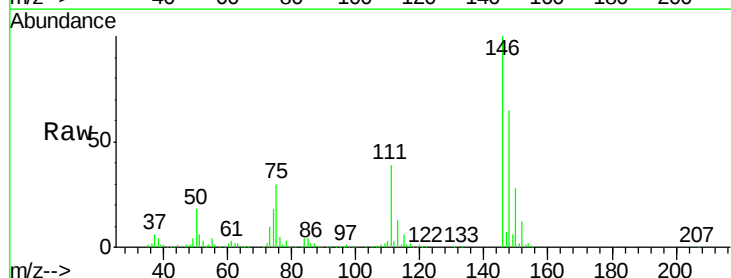
Manual Integrations
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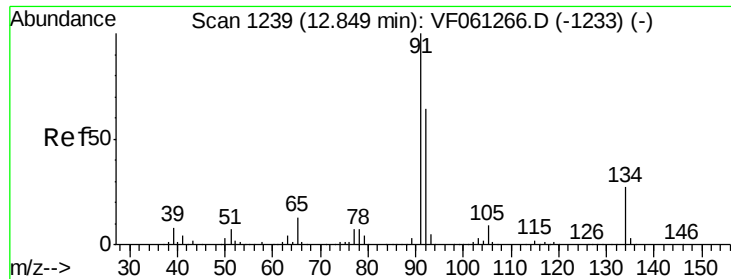
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#88
 1,4-Dichlorobenzene
 Concen: 49.806 ug/l
 RT: 12.57 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: VF061266.D
 Acq: 3 Jan 2019 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	277381		
111	38.6	19.3	57.9	
148	65.3	32.6	98.0	





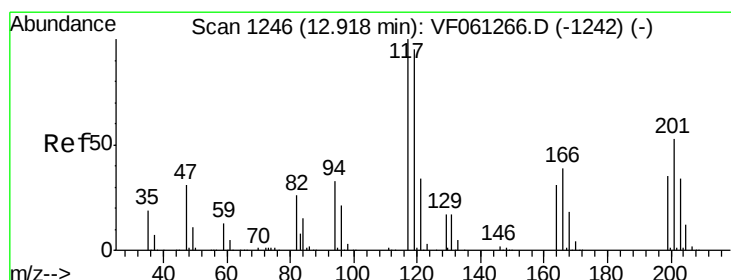
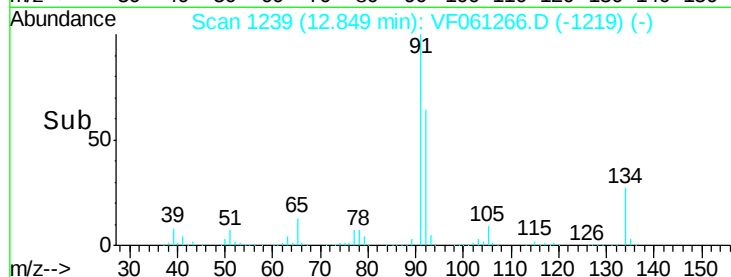
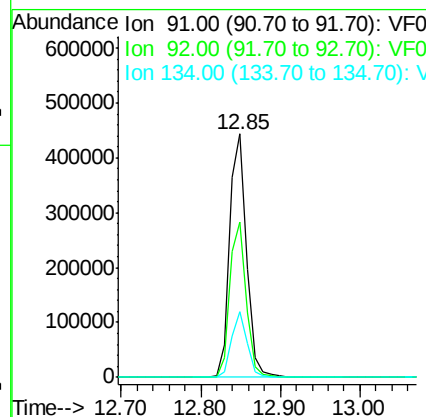
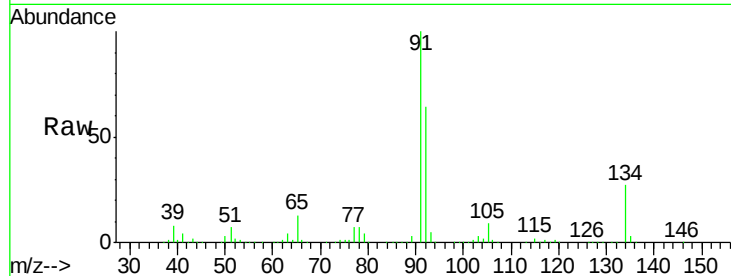
#89
n-Butylbenzene
Concen: 49.963 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	63.8	31.9	95.7
134	27.1	13.6	40.7

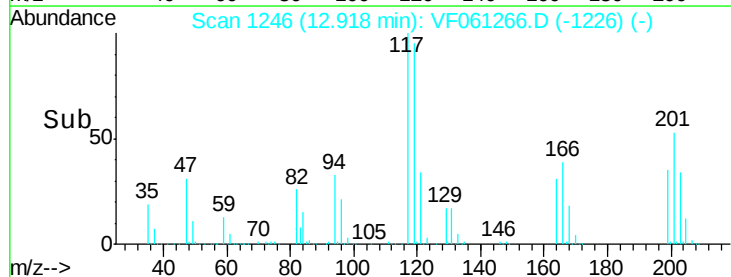
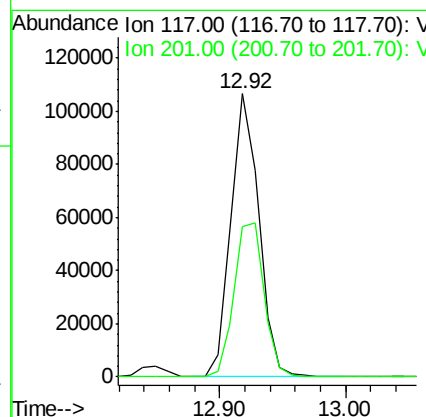
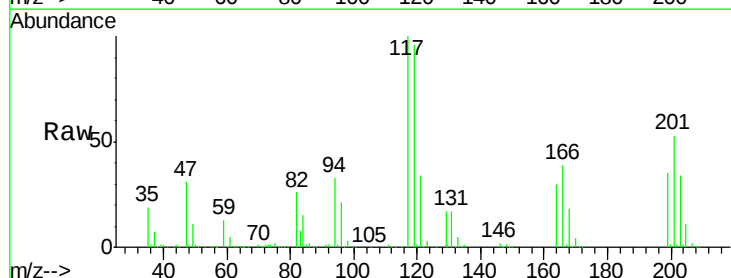
Manual Integrations
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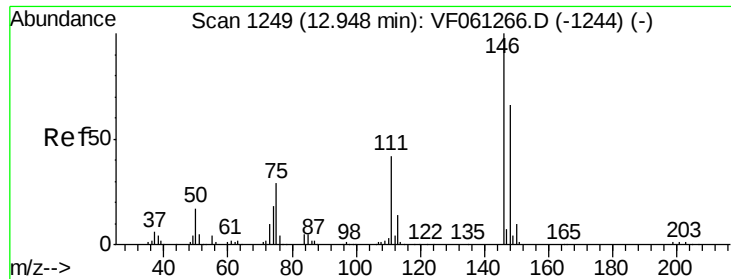
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#90
Hexachloroethane
Concen: 51.254 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	53.1	26.6	79.7





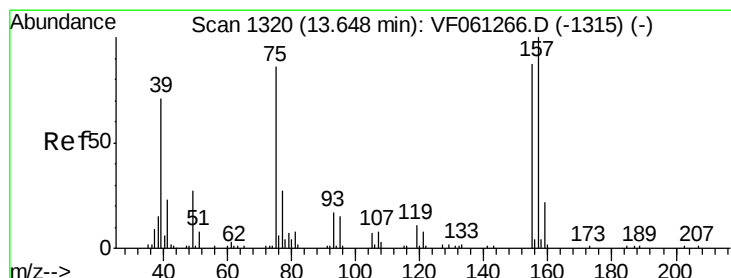
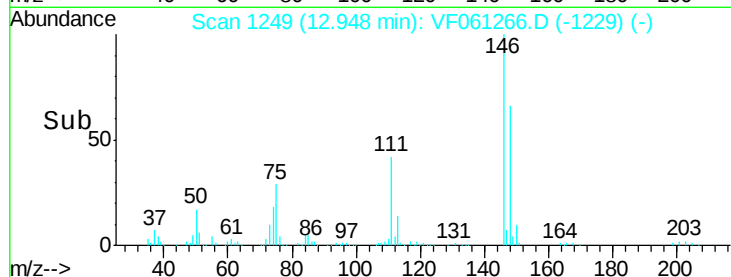
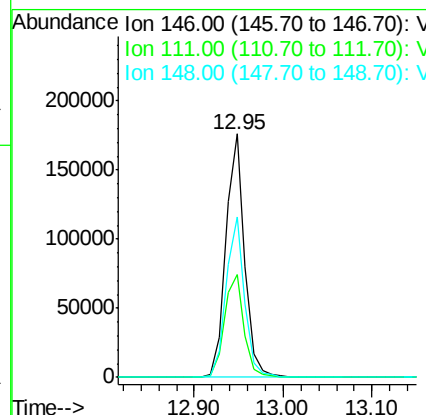
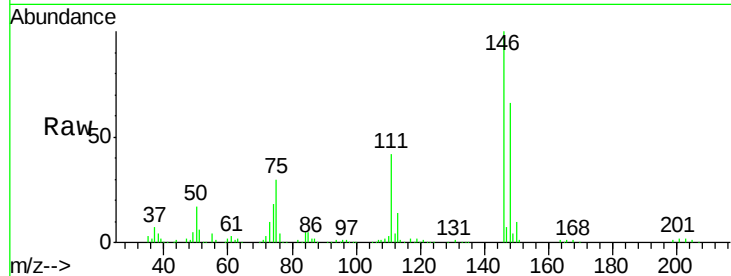
#91
 1,2-Dichlorobenzene
 Concen: 48.671 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VF061266.D
 Acq: 3 Jan 2019 15:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.1	63.4
148	65.6	32.8	98.4

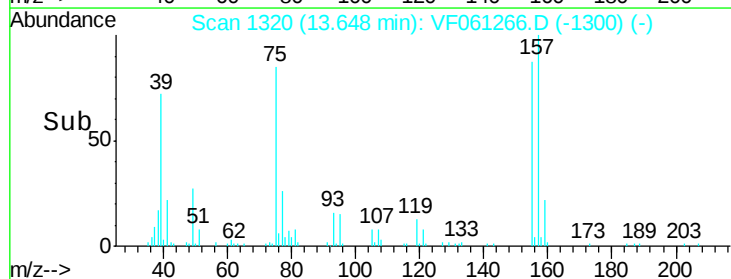
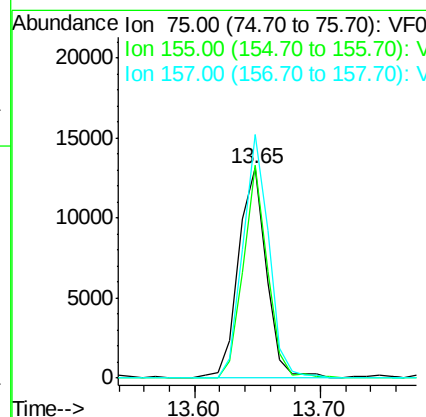
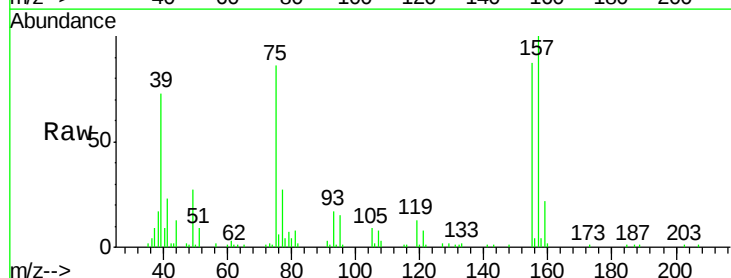
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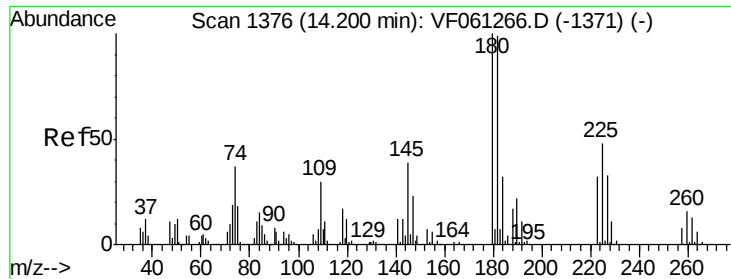
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.904 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VF061266.D
 Acq: 3 Jan 2019 15:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.2	50.6	151.8
157	115.9	58.0	173.9





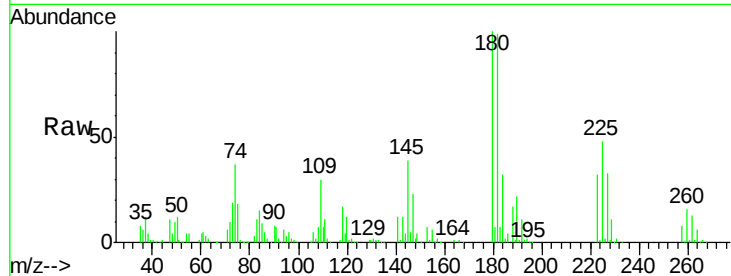
#93
 1,2,4-Trichlorobenzene
 Concen: 48.784 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VF061266.D
 Acq: 3 Jan 2019 15:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

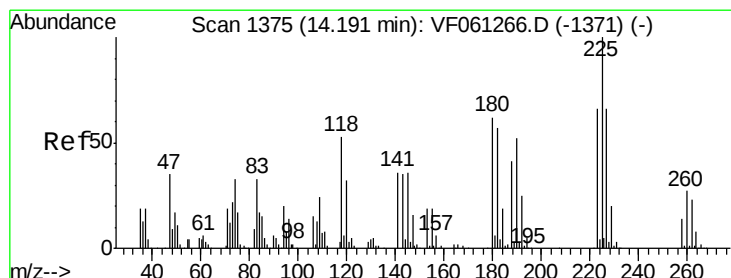
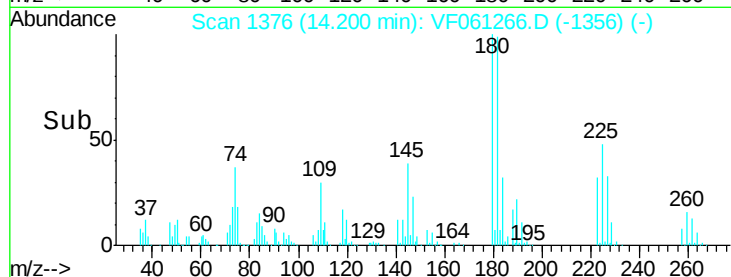
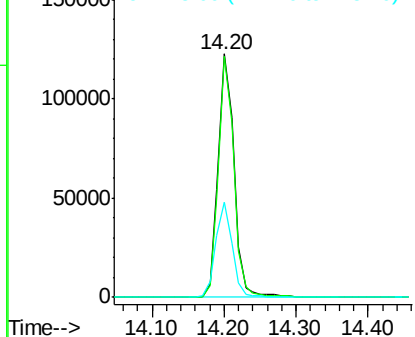
Tot Ion	Ratio	Resp	Lower	Upper
180	100	185976		
182	98.9	49.5	148.3	
145	39.3	19.7	59.0	

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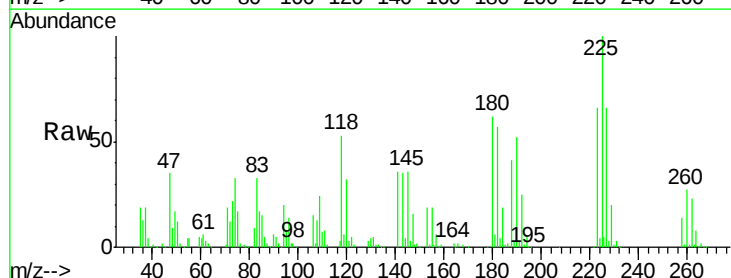


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

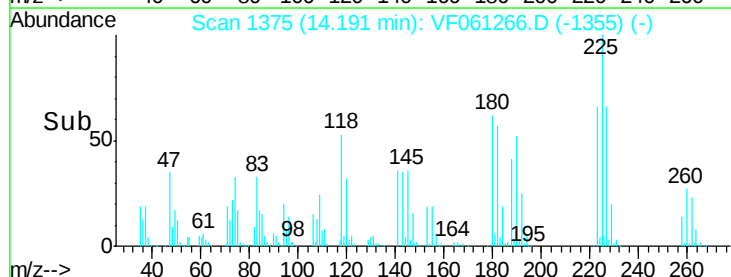
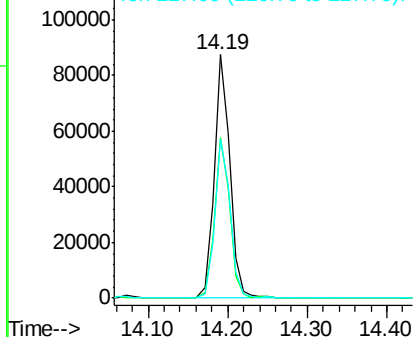


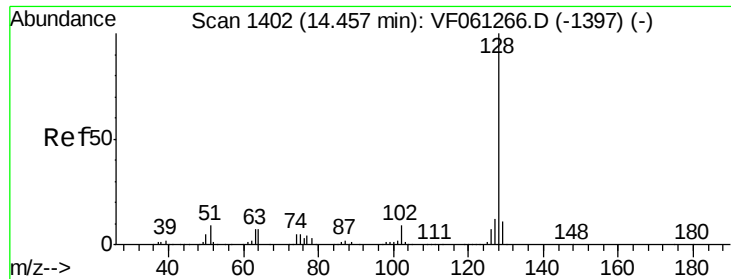
#94
 Hexachlorobutadiene
 Concen: 49.987 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VF061266.D
 Acq: 3 Jan 2019 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	121318		
223	66.0	33.0	99.0	
227	65.6	32.8	98.4	



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





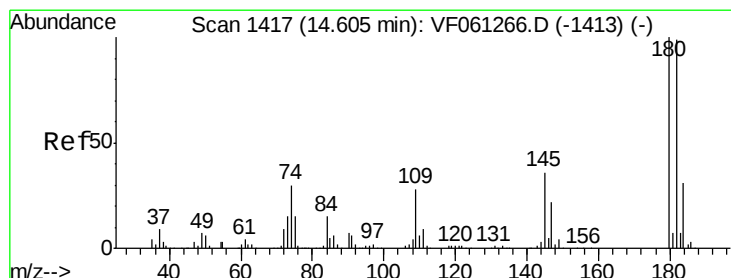
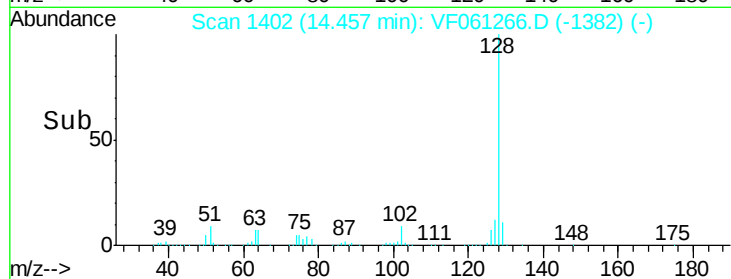
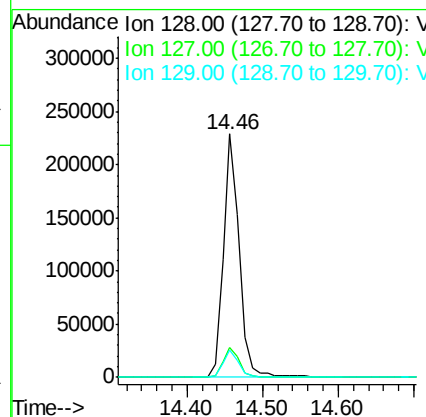
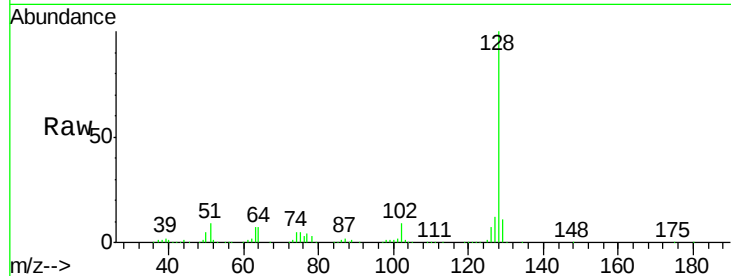
#95
Naphthalene
Concen: 49.013 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	337599		
127	12.2		9.8	14.6
129	11.2		9.0	13.4

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#96
1,2,3-Trichlorobenzene
Concen: 50.197 ug/l
RT: 14.60 min Scan# 1417
Delta R.T. 0.00 min
Lab File: VF061266.D
Acq: 3 Jan 2019 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	175060		
182	99.0		49.5	148.5
145	36.0		18.0	54.0

