

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010819\
 Data File : VF061291.D
 Acq On : 8 Jan 2019 17:53
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV010819

Manual Integrations
 APPROVED

MMDadoda
 1/9/2019 11:45:15 AM

Quant Time: Jan 09 07:23:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 15:56:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	194876	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	358770	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	316352	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	154821	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	108066	43.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.38%	
35) Dibromofluoromethane	4.13	113	133219	48.26	ug/l	0.01
Spiked Amount	50.000		Recovery	=	96.52%	
50) Toluene-d8	7.57	98	393696	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
62) 4-Bromofluorobenzene	11.42	95	164283	45.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	175472	46.896	ug/l	94
3) Chloromethane	1.09	50	153724	53.628	ug/l	92
4) Vinyl Chloride	1.14	62	137077	55.209	ug/l	99
5) Bromomethane	1.30	94	104510	61.567	ug/l	96
6) Chloroethane	1.39	64	73146	65.006	ug/l	96
7) Trichlorofluoromethane	1.47	101	248112	55.531	ug/l	97
8) Diethyl Ether	1.63	74	37175	58.321	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.83	101	123680	55.405	ug/l	100
10) Methyl Iodide	1.85	142	200348m	55.549	ug/l	
11) Tert butyl alcohol	2.56	59	22254	213.197	ug/l	97
12) 1,1-Dichloroethene	1.76	96	103927	55.385	ug/l	86
13) Acrolein	2.01	56	20778	212.667	ug/l	87
14) Allyl chloride	2.11	41	194649	75.033	ug/l	91
15) Acrylonitrile	2.96	53	80880	289.832	ug/l	90
16) Acetone	2.25	43	120618	243.473	ug/l	95
17) Carbon Disulfide	1.77	76	338542	59.249	ug/l	99
18) Methyl Acetate	2.35	43	50551	46.111	ug/l	94
19) Methyl tert-butyl Ether	2.43	73	193845	49.559	ug/l	96
20) Methylene Chloride	2.19	84	99890	43.446	ug/l	98
21) trans-1,2-Dichloroethene	2.31	96	113786	57.655	ug/l	98
22) Diisopropyl ether	2.81	45	364229	55.838	ug/l	98
23) Vinyl Acetate	3.20	43	647347	216.701	ug/l	99
24) 1,1-Dichloroethane	2.89	63	199197	52.086	ug/l	100
25) 2-Butanone	4.35	43	210953	226.839	ug/l	98
26) 2,2-Dichloropropane	3.61	77	125230	56.862	ug/l	98
27) cis-1,2-Dichloroethene	3.49	96	154201	53.172	ug/l	94
28) Bromochloromethane	3.73	49	88349	48.799	ug/l #	89
29) Tetrahydrofuran	4.08	42	89341	247.087	ug/l	99
30) Chloroform	3.87	83	259961	48.596	ug/l	99
31) Cyclohexane	3.71	56	221280	54.589	ug/l	93
32) 1,1,1-Trichloroethane	4.11	97	209356	60.252	ug/l	99
36) 1,1-Dichloropropene	4.30	75	200104	47.357	ug/l	99
37) Ethyl Acetate	4.11	43	83031	49.216	ug/l #	90
38) Carbon Tetrachloride	4.01	117	179134	52.954	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	247630	54.825	ug/l	95
40) Benzene	4.65	78	450134	46.940	ug/l	98
41) Methacrylonitrile	4.76	41	40503	42.221	ug/l	95
42) 1,2-Dichloroethane	4.96	62	143439	44.706	ug/l	100
43) Isopropyl Acetate	6.97	43	101846	45.243	ug/l #	99
44) Trichloroethene	5.52	130	138862	46.520	ug/l	91
45) 1,2-Dichloropropane	6.25	63	120192	49.093	ug/l	99
46) Dibromomethane	6.10	93	76559	47.523	ug/l	91
47) Bromodichloromethane	6.40	83	188255	45.907	ug/l	97
48) Methyl methacrylate	6.73	41	67272	46.151	ug/l	95
49) 1,4-Dioxane	6.72	88	9725	962.875	ug/l #	82
51) 4-Methyl-2-Pentanone	8.27	43	362950	232.145	ug/l	98
52) Toluene	7.64	92	290581	46.407	ug/l	98
53) t-1,3-Dichloropropene	8.29	75	143059	42.794	ug/l	94
54) cis-1,3-Dichloropropene	7.32	75	194244	45.717	ug/l	99
55) 1,1,2-Trichloroethane	8.51	97	85613	47.545	ug/l	97
56) Ethyl methacrylate	8.63	69	96638	48.560	ug/l	97
57) 1,3-Dichloropropane	8.86	76	153079	45.224	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.31	63	18668	77.246	ug/l #	81
59) 2-Hexanone	9.51	43	245134	216.573	ug/l	99
60) Dibromochloromethane	8.73	129	120345	47.051	ug/l	98
61) 1,2-Dibromoethane	9.00	107	84852	43.662	ug/l	99
64) Tetrachloroethene	8.17	164	118016	48.679	ug/l	96
65) Chlorobenzene	9.81	112	317027	49.283	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.95	131	128301	48.567	ug/l	97
67) Ethyl Benzene	9.91	91	606845	51.318	ug/l	93
68) m/p-Xylenes	10.15	106	421442	97.657	ug/l	98
69) o-Xylene	10.73	106	244522	52.378	ug/l	98
70) Styrene	10.80	104	316705	49.280	ug/l	99
71) Bromoform	10.79	173	55029	44.742	ug/l #	100
73) Isopropylbenzene	11.13	105	665266	50.586	ug/l	100
74) N-amyl acetate	11.38	43	156894	47.254	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.71	83	114841	49.994	ug/l	95
76) 1,2,3-Trichloropropane	11.80	75	78969	46.309	ug/l	98
77) Bromobenzene	11.51	156	138190	50.055	ug/l	95
78) n-propylbenzene	11.61	91	788740	50.317	ug/l	98
79) 2-Chlorotoluene	11.72	91	468526	51.754	ug/l	93
80) 1,3,5-Trimethylbenzene	11.83	105	537345	50.612	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.88	75	34503m	44.146	ug/l	
82) 4-Chlorotoluene	11.91	91	441177	48.073	ug/l	98
83) tert-Butylbenzene	12.14	119	550724	50.310	ug/l	99
84) 1,2,4-Trimethylbenzene	12.22	105	542476	51.325	ug/l	99
85) sec-Butylbenzene	12.32	105	766706	51.635	ug/l	99
86) p-Isopropyltoluene	12.46	119	603403	49.320	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	252267	47.354	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	257756	49.589	ug/l	98
89) n-Butylbenzene	12.85	91	636491	50.635	ug/l	96
90) Hexachloroethane	12.93	117	150696	49.925	ug/l	97
91) 1,2-Dichlorobenzene	12.95	146	246331	47.866	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.66	75	20406	49.433	ug/l	88

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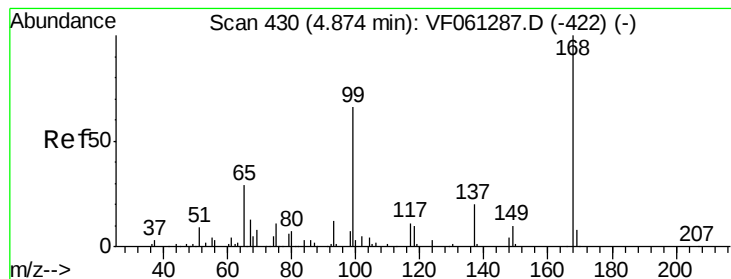
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	181289	50.308	ug/l	97
94) Hexachlorobutadiene	14.20	225	113301	49.348	ug/l	98
95) Naphthalene	14.47	128	344804	51.190	ug/l	98
96) 1,2,3-Trichlorobenzene	14.62	180	162316	48.580	ug/l	97

(#) = 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: VF061291.D

Acq: 8 Jan 2019 17:53

Tot Ion: 168 Resp: 194876

Ion Ratio Lower Upper

168 100

99 68.0 52.7 79.1

Instrument :

MSVOA_F

ClientSampleId :

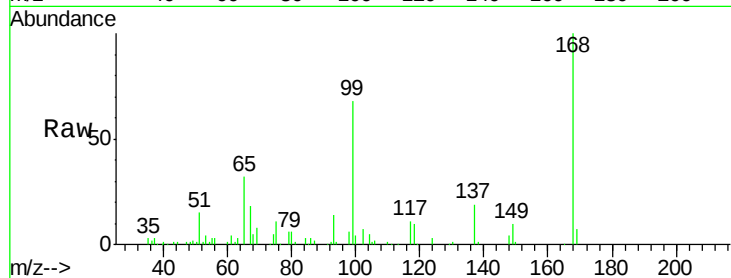
ICVVF010819

Manual Integrations

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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

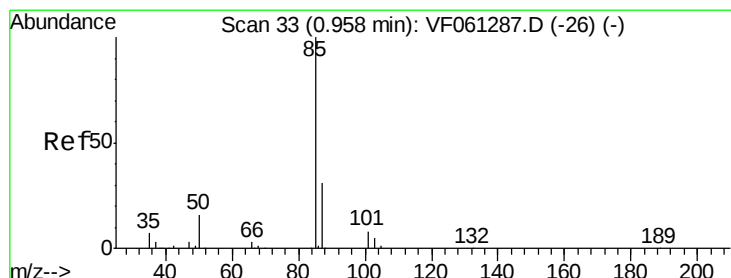
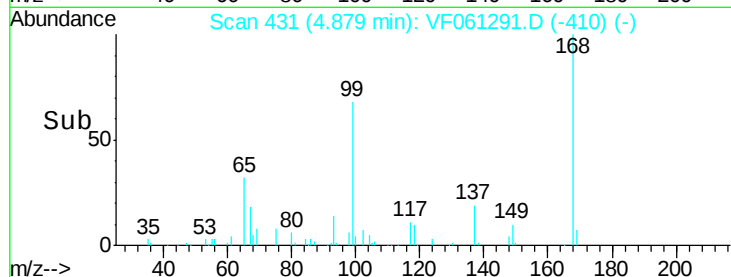
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.896 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061291.D

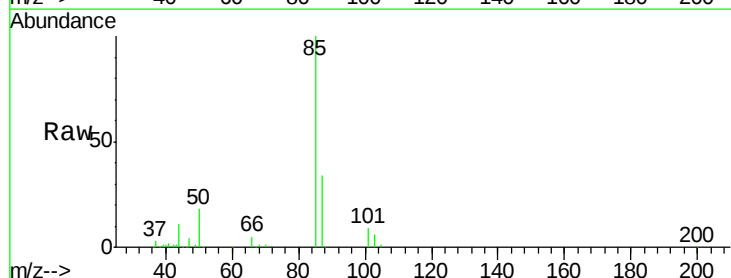
Acq: 8 Jan 2019 17:53

Tgt Ion: 85 Resp: 175472

Ion Ratio Lower Upper

85 100

87 33.9 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

60000

50000

40000

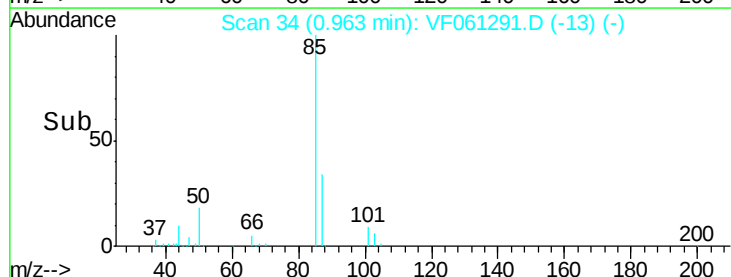
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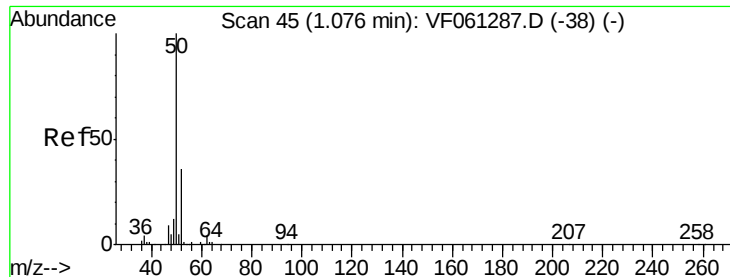
20000

10000

0

Time-->





#3

Chloromethane

Concen: 53.628 ug/l

RT: 1.09 min Scan# 47

Delta R.T. 0.01 min

Lab File: VF061291.D

Acq: 8 Jan 2019 17:53

Instrument :

MSVOA_F

ClientSampleId :

ICVVF010819

Tot Ion: 50 Resp: 153724

Ion Ratio Lower Upper

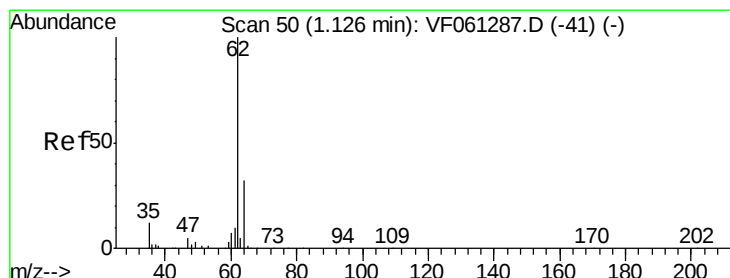
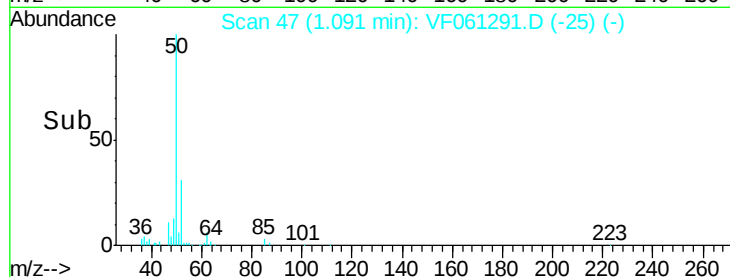
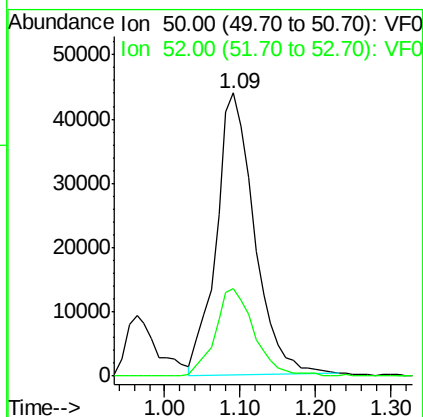
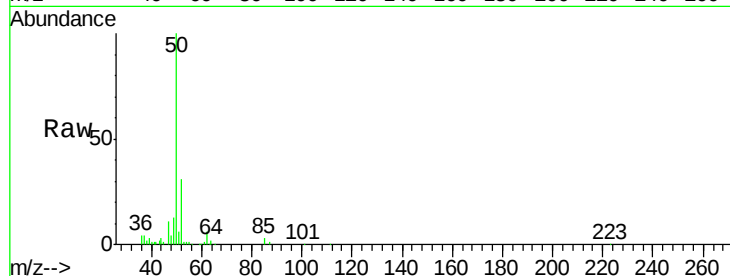
50 100

52 30.8 28.2 42.2

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1/9/2019 11:45:15 AM



#4

Vinyl Chloride

Concen: 55.209 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061291.D

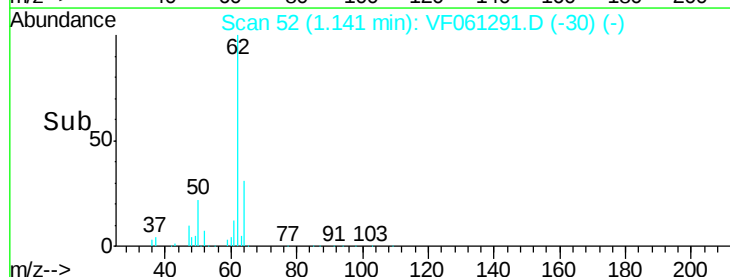
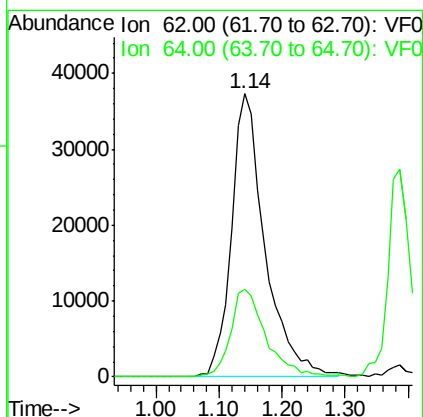
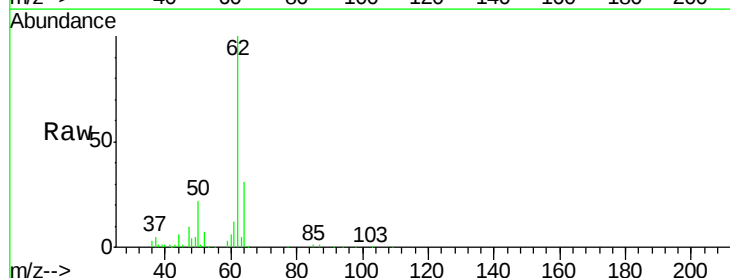
Acq: 8 Jan 2019 17:53

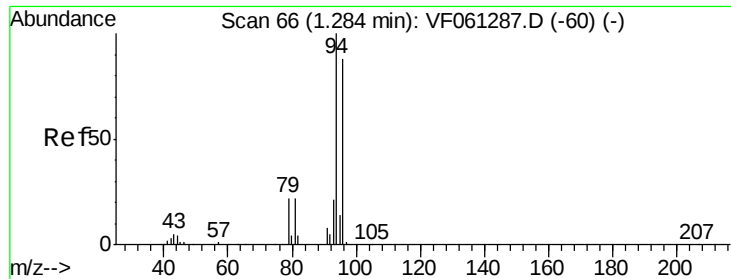
Tgt Ion: 62 Resp: 137077

Ion Ratio Lower Upper

62 100

64 31.1 25.4 38.0





#5

Bromomethane

Concen: 61.567 ug/l

RT: 1.30 min Scan# 68

Delta R.T. 0.01 min

Lab File: VF061291.D

Acq: 8 Jan 2019 17:53

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Tot Ion: 94 Resp: 104510

Ion Ratio Lower Upper

94 100

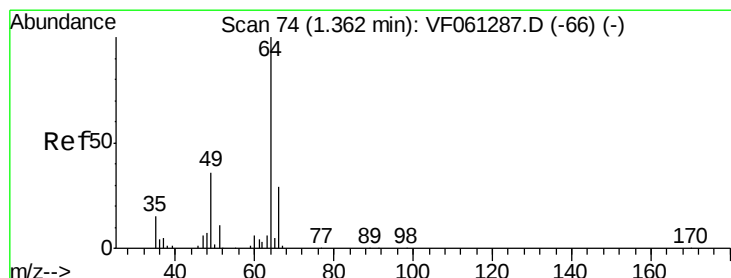
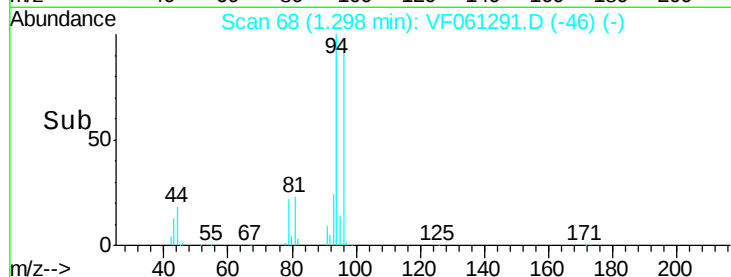
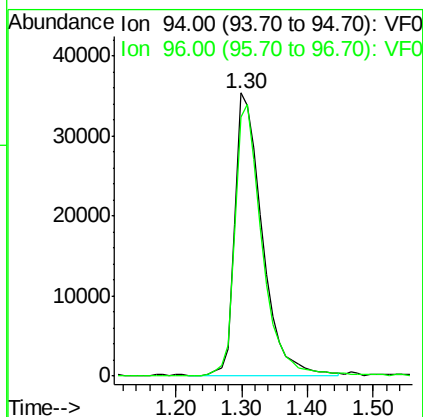
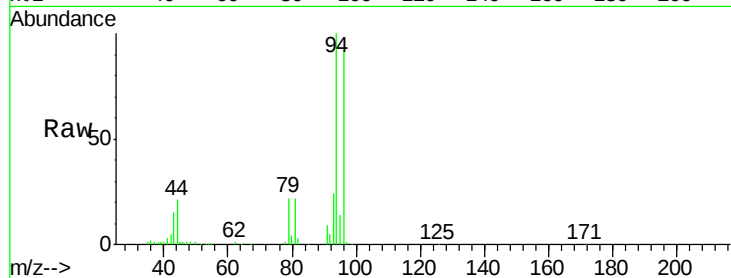
96 91.6 70.2 105.4

Manual Integrations

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#6

Chloroethane

Concen: 65.006 ug/l

RT: 1.39 min Scan# 77

Delta R.T. 0.02 min

Lab File: VF061291.D

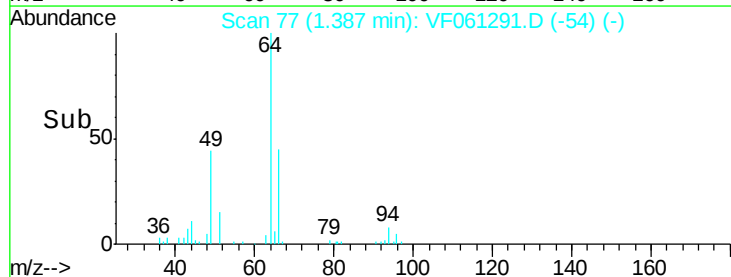
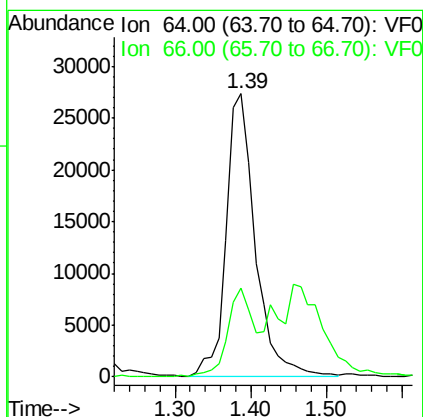
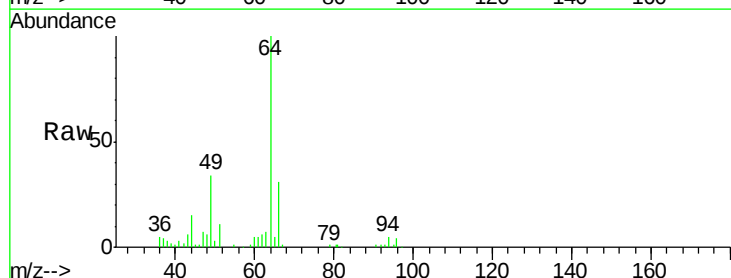
Acq: 8 Jan 2019 17:53

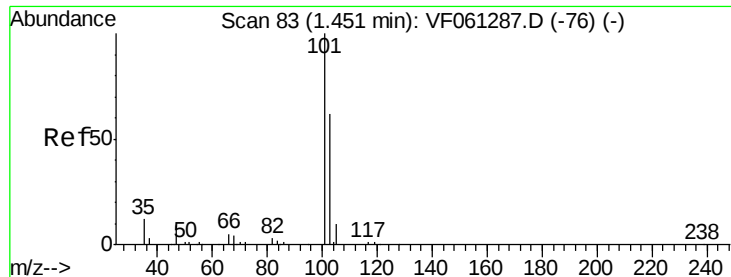
Tgt Ion: 64 Resp: 73146

Ion Ratio Lower Upper

64 100

66 31.5 23.4 35.0





#7

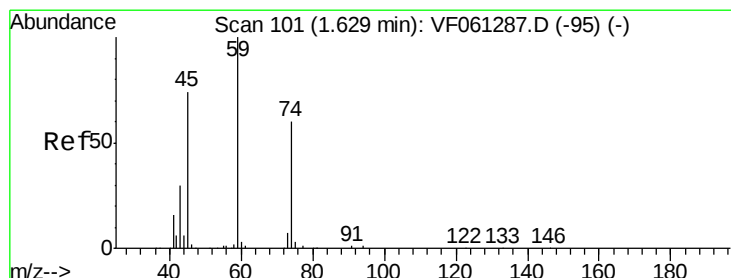
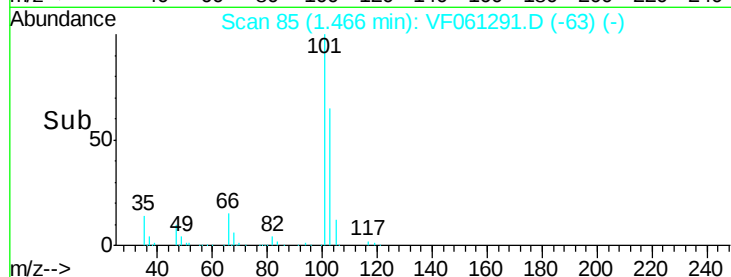
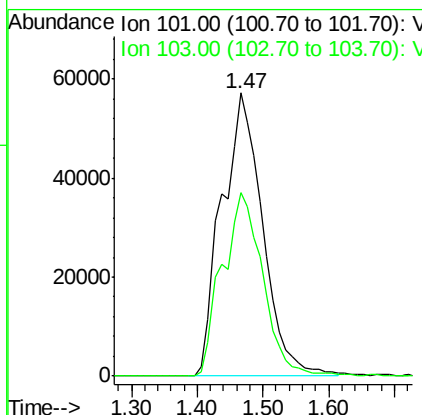
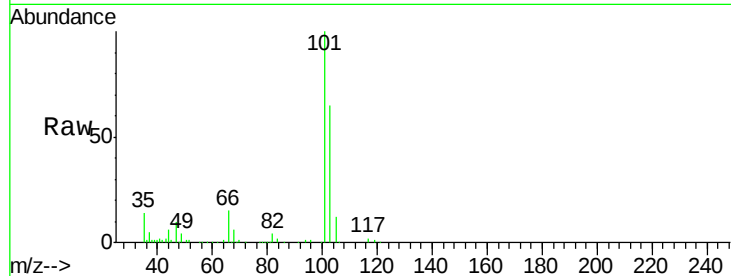
Trichlorofluoromethane
Concen: 55.531 ug/l
RT: 1.47 min Scan# 85
Delta R.T. 0.01 min
Lab File: VF061291.D
Acq: 8 Jan 2019 17:53

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	248112		
103	64.6	49.9	74.9	

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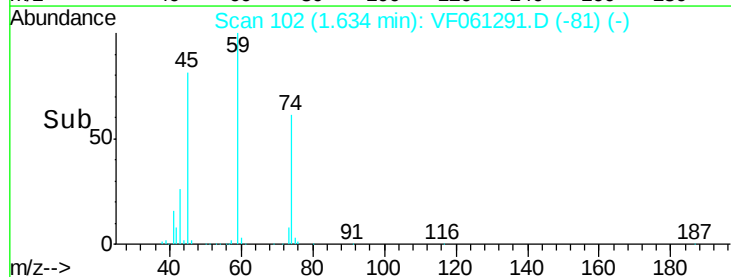
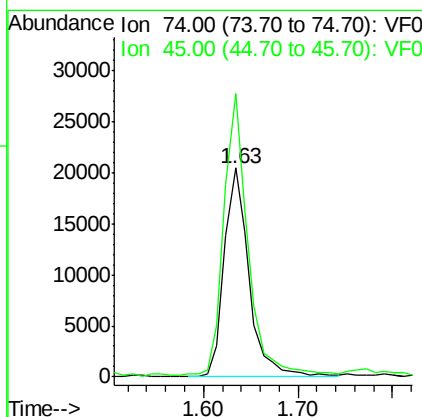
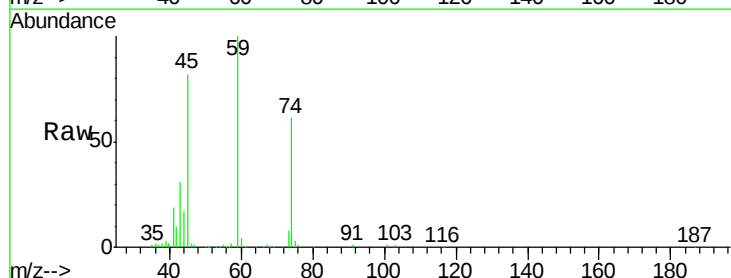
MMDadoda
1/9/2019 11:45:15 AM

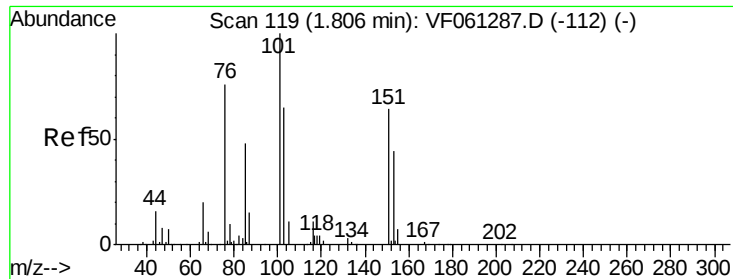


#8

Diethyl Ether
Concen: 58.321 ug/l
RT: 1.63 min Scan# 102
Delta R.T. 0.00 min
Lab File: VF061291.D
Acq: 8 Jan 2019 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	37175		
45	135.5	62.1	186.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.405 ug/l

RT: 1.83 min Scan# 122

Delta R.T. 0.02 min

Lab File: VF061291.D

Acq: 8 Jan 2019 17:53

Instrument :

MSVOA_F

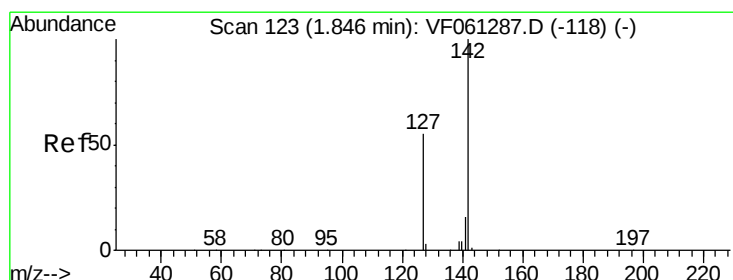
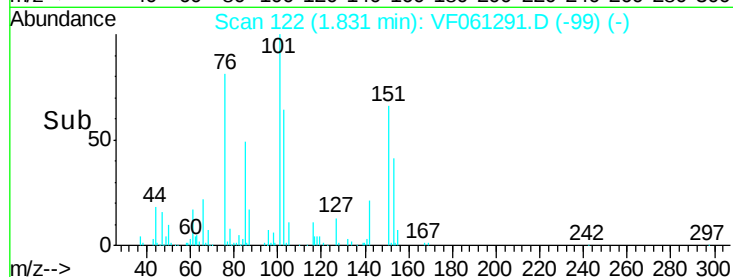
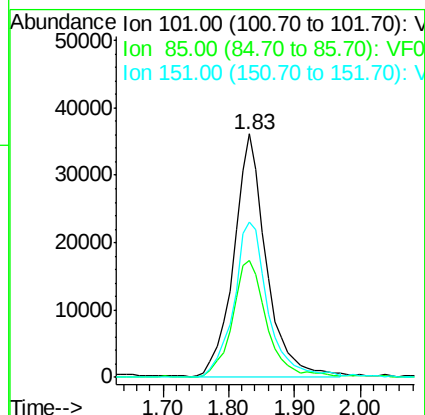
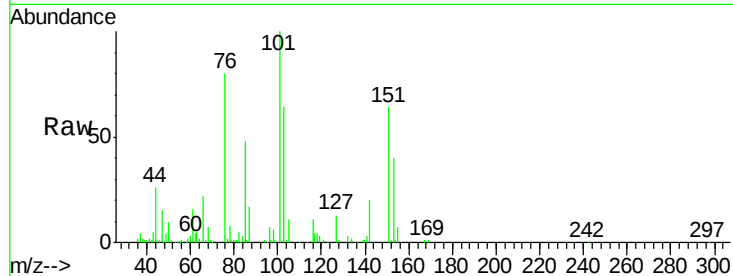
ClientSampleId :

ICVVF010819

Tot Ion:	101	Resp:	123680
Ion Ratio	Lower	Upper	
101	100		
85	48.1	38.4	57.6
151	63.9	51.4	77.2

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#10

Methyl Iodide

Concen: 55.549 ug/l m

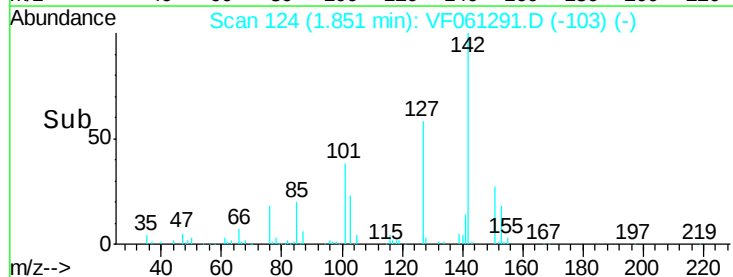
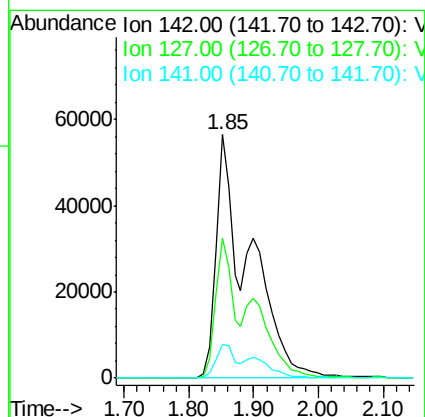
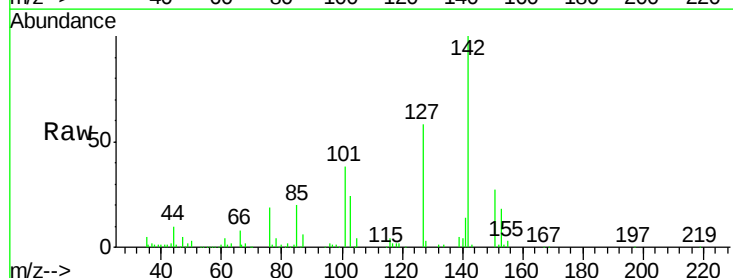
RT: 1.85 min Scan# 124

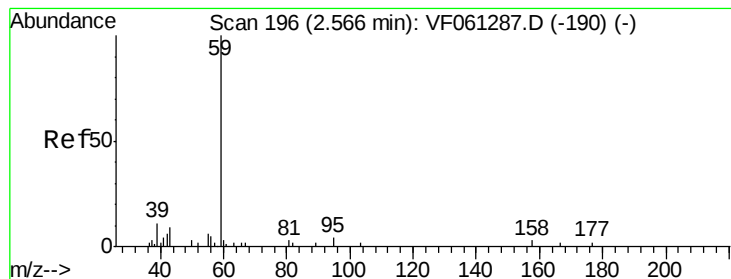
Delta R.T. 0.01 min

Lab File: VF061291.D

Acq: 8 Jan 2019 17:53

Tgt Ion:	142	Resp:	200348
Ion Ratio	Lower	Upper	
142	100		
127	57.7	44.3	66.5
141	14.1	13.2	19.8





#11

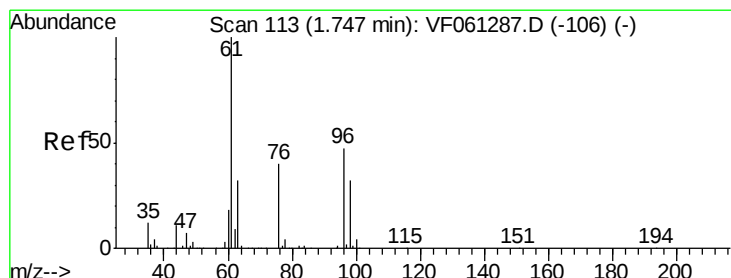
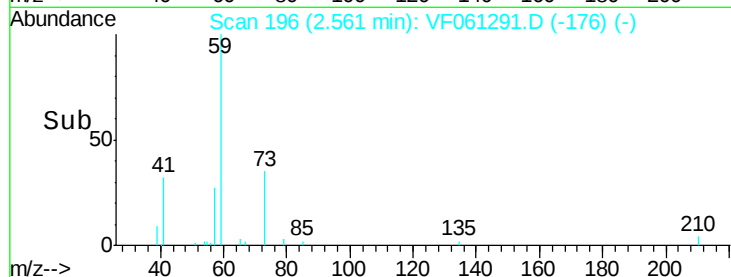
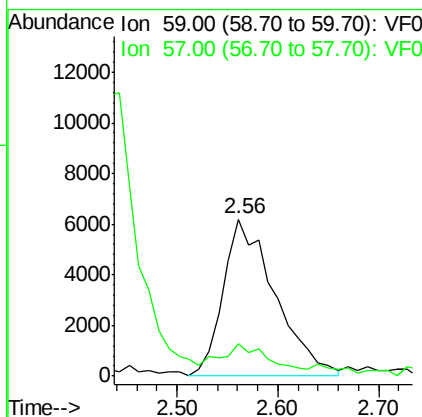
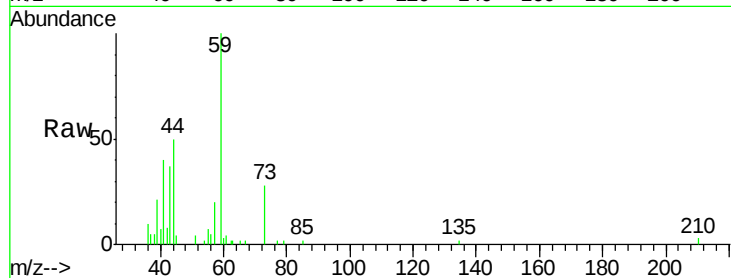
Tert butyl alcohol
Concen: 213.197 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.00 min
Lab File: VF061291.D
Acq: 8 Jan 2019 17:53

Instrument :
MSVOA_F
ClientSampleId :
ICVVF010819

Tot Ion	59	Resp	22254
Ion Ratio	100	Lower	Upper
57	20.4	15.1	22.7

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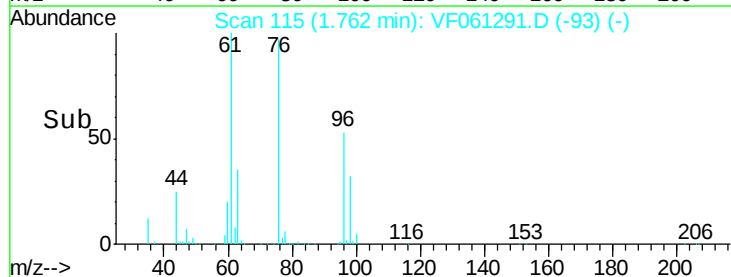
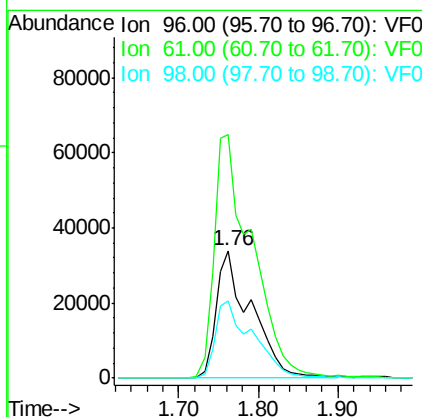
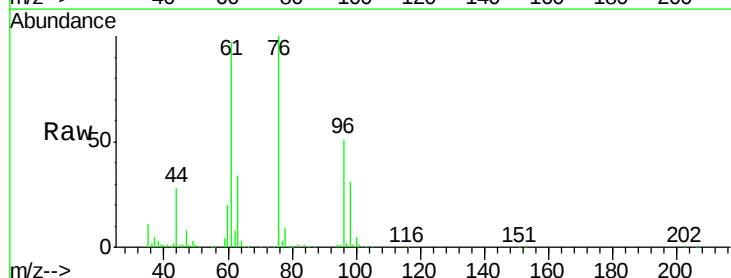
MMDadoda
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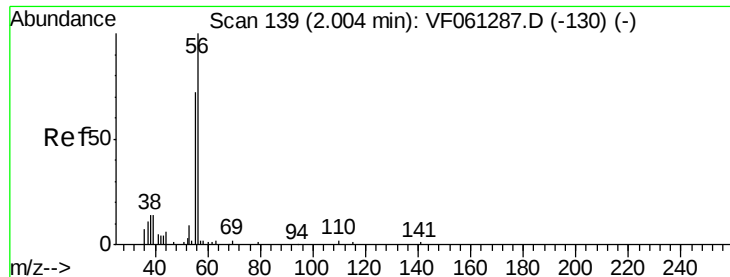


#12

1,1-Dichloroethene
Concen: 55.385 ug/l
RT: 1.76 min Scan# 115
Delta R.T. 0.01 min
Lab File: VF061291.D
Acq: 8 Jan 2019 17:53

Tgt Ion	96	Resp	103927
Ion Ratio	100	Lower	Upper
61	190.8	171.8	257.8
98	60.7	54.2	81.4





#13

Acrolein

Concen: 212.667 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF061291.D

Acq: 8 Jan 2019 17:53

Instrument :

MSVOA_F

ClientSampleId :

ICVVF010819

Tot Ion: 56 Resp: 20778

Ion Ratio Lower Upper

56 100

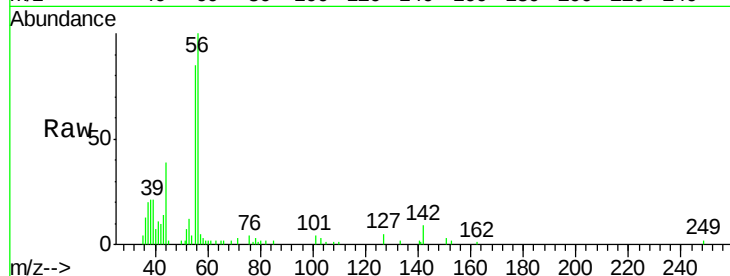
55 85.4 59.4 89.0

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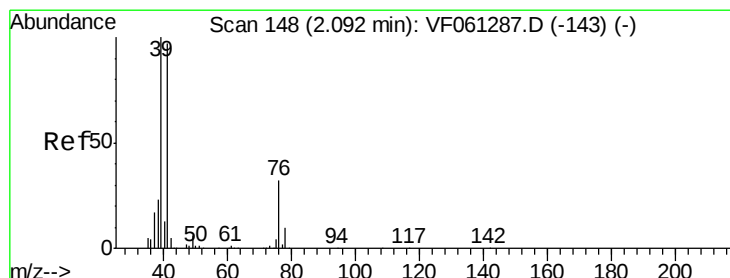
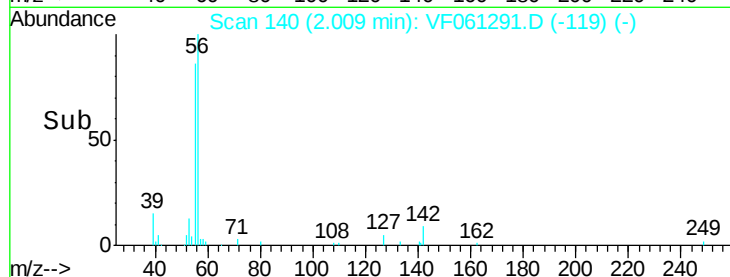
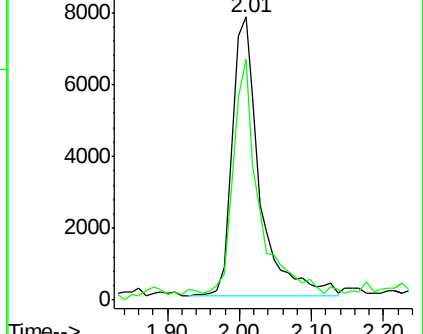
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 75.033 ug/l

RT: 2.11 min Scan# 150

Delta R.T. 0.01 min

Lab File: VF061291.D

Acq: 8 Jan 2019 17:53

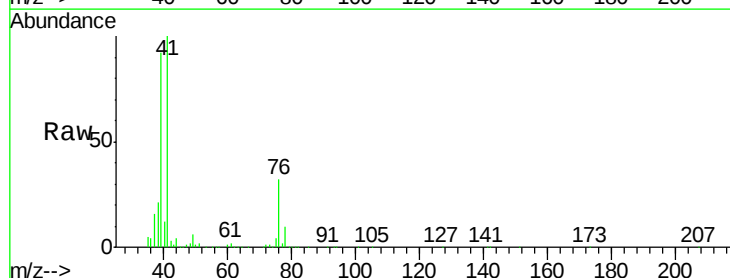
Tgt Ion: 41 Resp: 194649

Ion Ratio Lower Upper

41 100

39 91.9 82.6 123.8

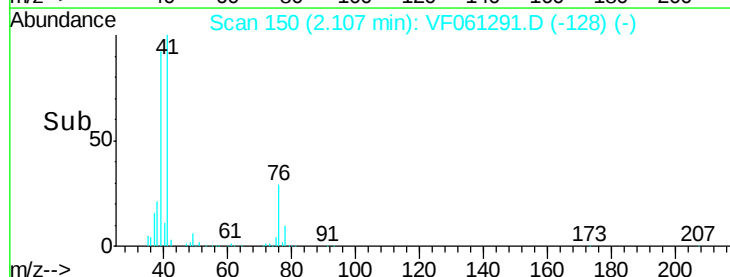
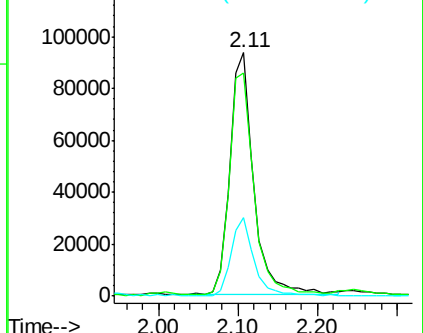
76 32.2 26.9 40.3

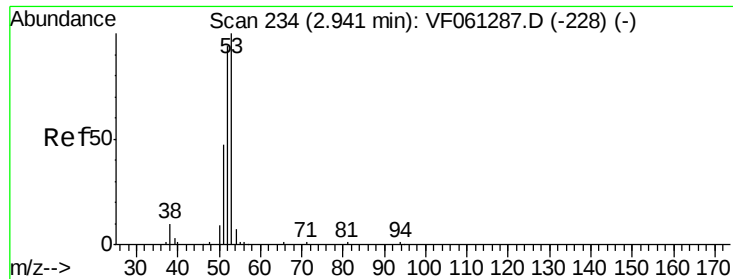


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 289.832 ug/l

RT: 2.96 min Scan# 236

Delta R.T. 0.01 min

Lab File: VF061291.D

Acq: 8 Jan 2019 17:53

Instrument :

MSVOA_F

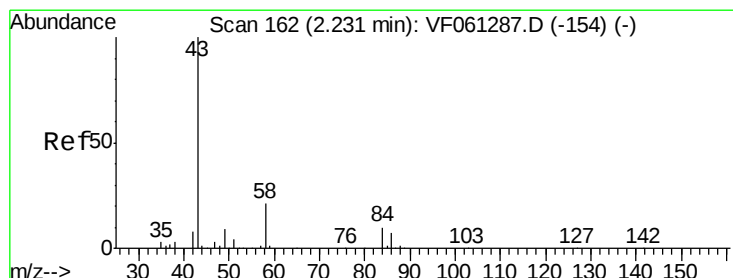
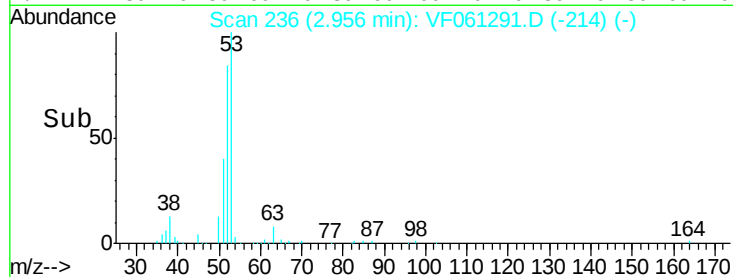
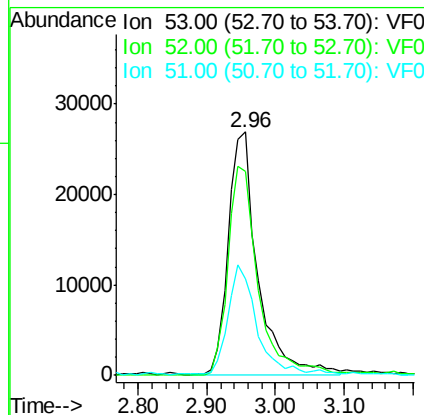
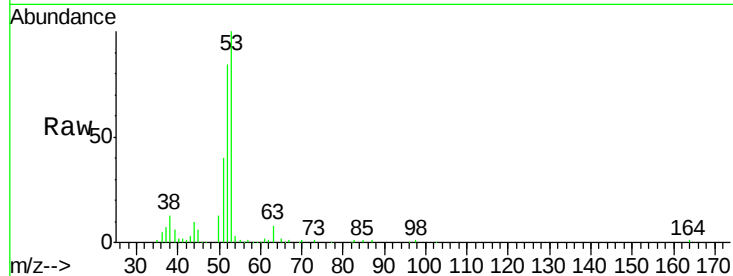
ClientSampleId :

ICVVF010819

Tot Ion:	53	Resp:	80880
Ion	Ratio	Lower	Upper
53	100		
52	83.9	74.6	111.8
51	39.5	37.8	56.6

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#16

Acetone

Concen: 243.473 ug/l

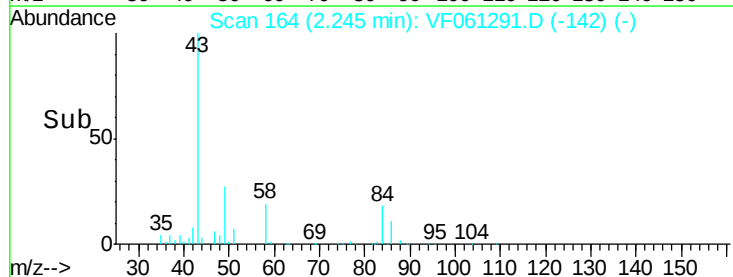
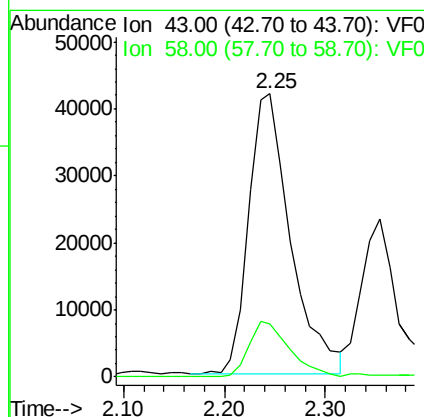
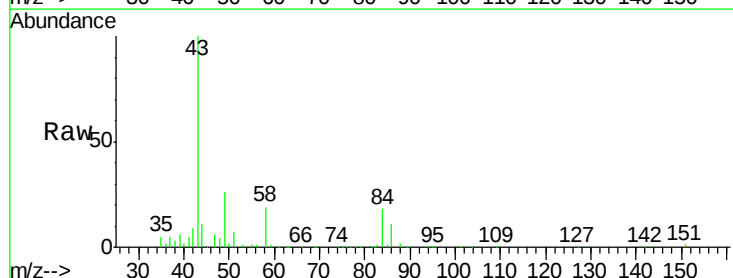
RT: 2.25 min Scan# 164

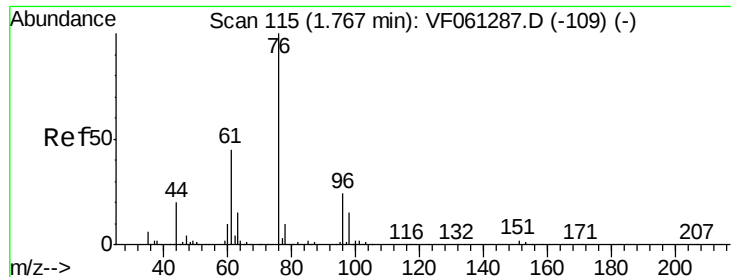
Delta R.T. 0.01 min

Lab File: VF061291.D

Acq: 8 Jan 2019 17:53

Tgt Ion:	43	Resp:	120618
Ion	Ratio	Lower	Upper
43	100		
58	18.7	16.6	25.0





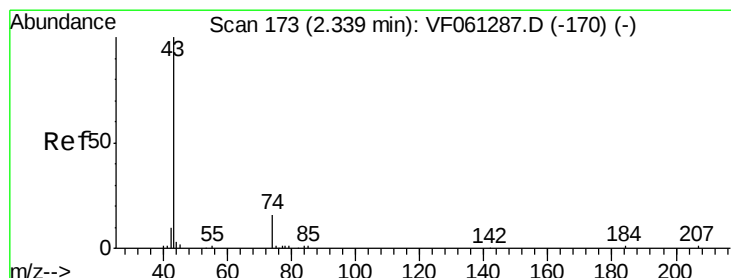
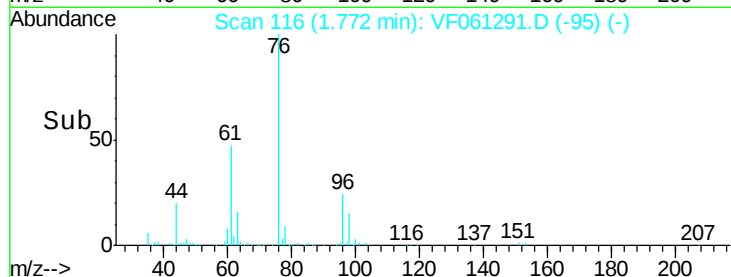
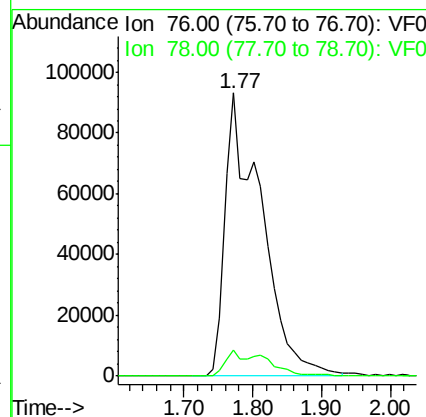
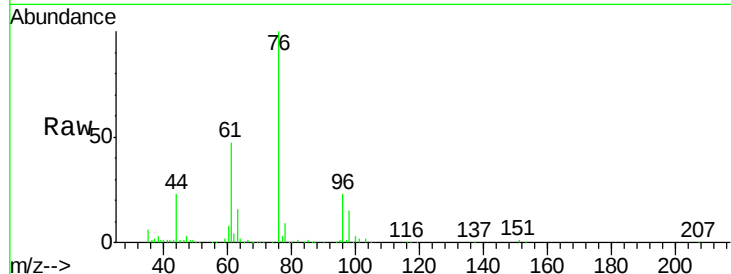
#17
Carbon Disulfide
Concen: 59.249 ug/l
RT: 1.77 min Scan# 116
Delta R.T. 0.01 min
Lab File: VF061291.D
Acq: 8 Jan 2019 17:53

Instrument :
MSVOA_F
ClientSampleId :
ICVVF010819

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.8	11.6

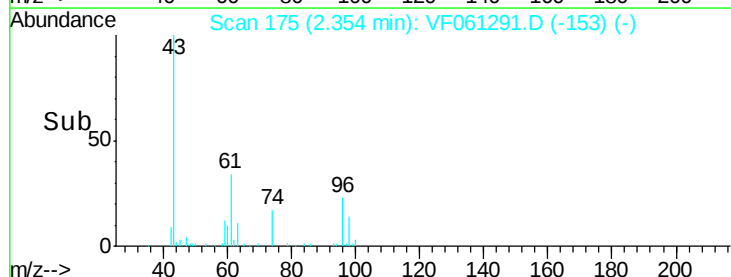
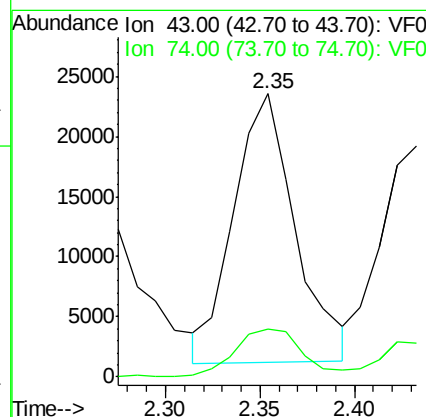
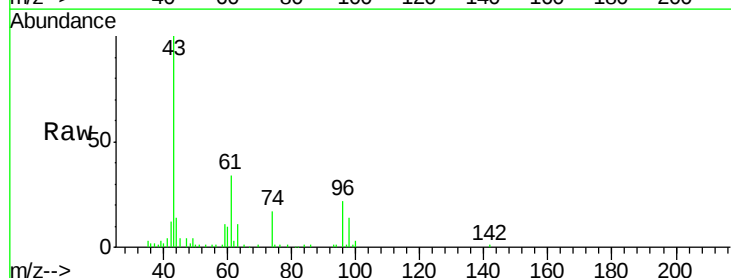
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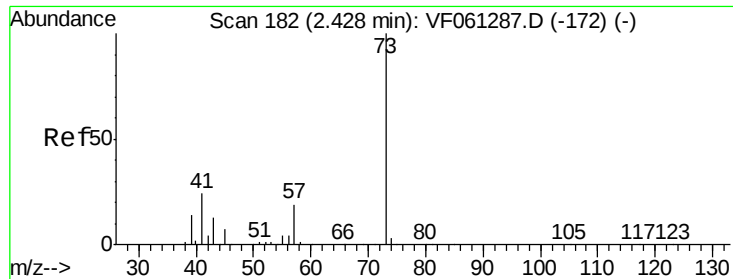
MMDadoda
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#18
Methyl Acetate
Concen: 46.111 ug/l
RT: 2.35 min Scan# 175
Delta R.T. 0.01 min
Lab File: VF061291.D
Acq: 8 Jan 2019 17:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.8	11.6	17.4





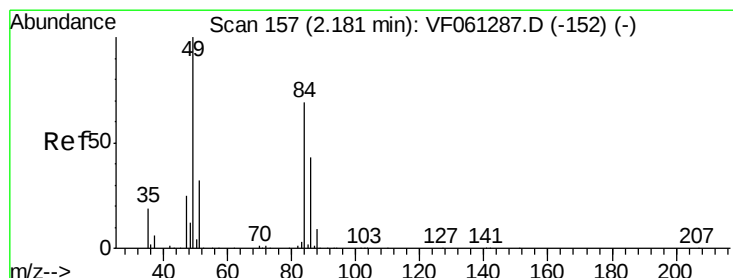
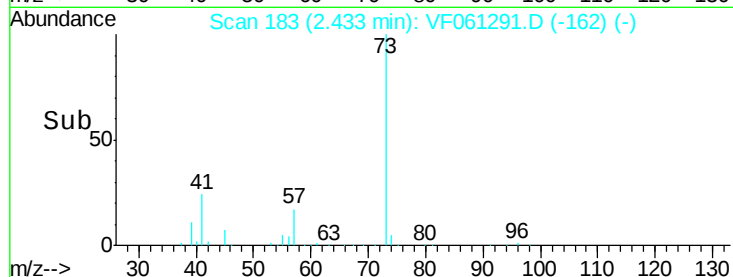
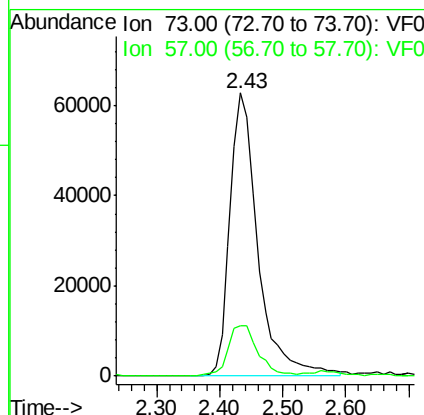
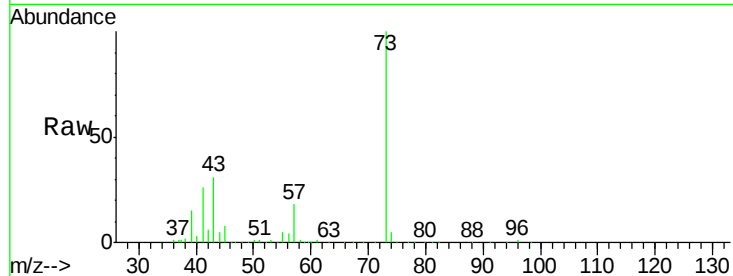
#19
Methvl tert-butvl Ether
Concen: 49.559 ug/l
RT: 2.43 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF061291.D
Acq: 8 Jan 2019 17:53

Instrument :
MSVOA_F
ClientSampleId :
ICVVF010819

Tot Ion: 73 Resp: 193845
Ion Ratio Lower Upper
73 100
57 17.6 15.5 23.3

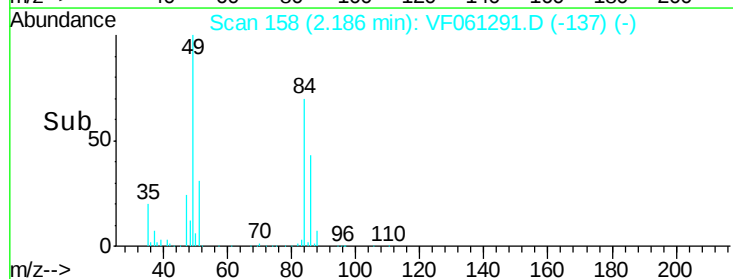
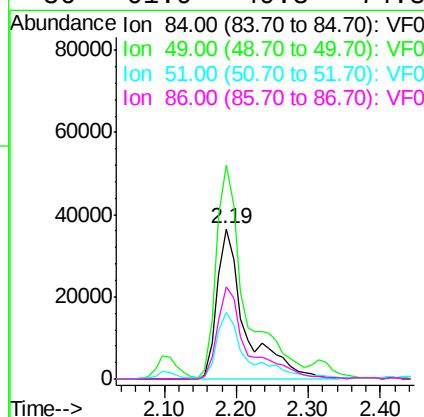
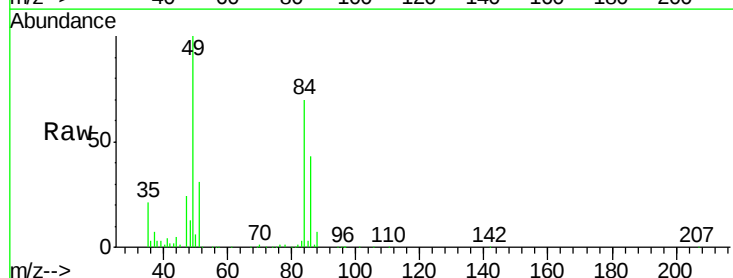
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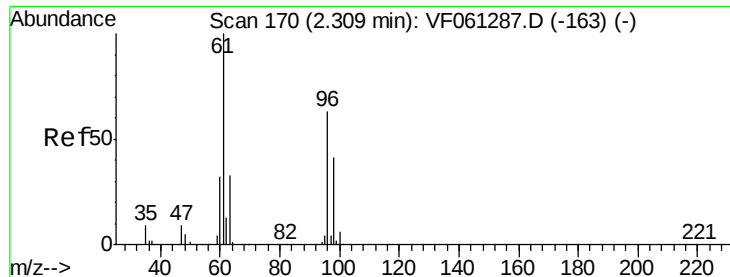
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#20
Methylene Chloride
Concen: 43.446 ug/l
RT: 2.19 min Scan# 158
Delta R.T. 0.00 min
Lab File: VF061291.D
Acq: 8 Jan 2019 17:53

Tgt Ion: 84 Resp: 99890
Ion Ratio Lower Upper
84 100
49 142.6 116.6 175.0
51 44.2 37.7 56.5
86 61.9 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 57.655 ug/l

RT: 2.31 min Scan# 171

Delta R.T. 0.00 min

Lab File: VF061291.D

Acq: 8 Jan 2019 17:53

Instrument :

MSVOA_F

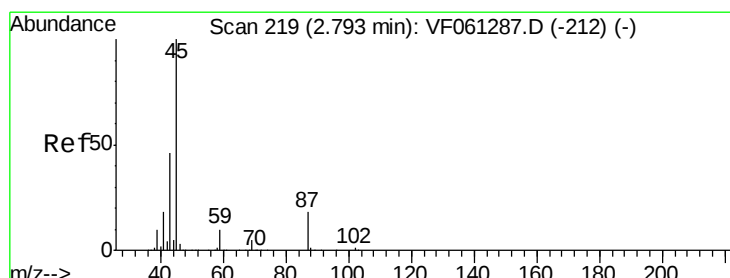
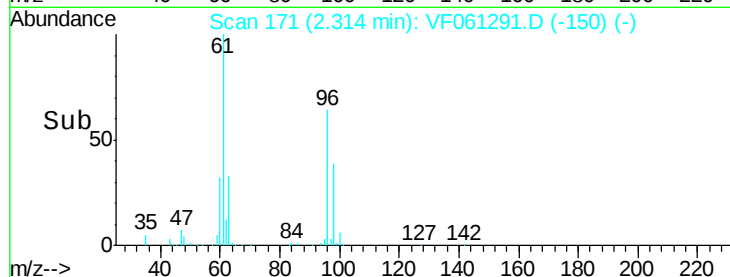
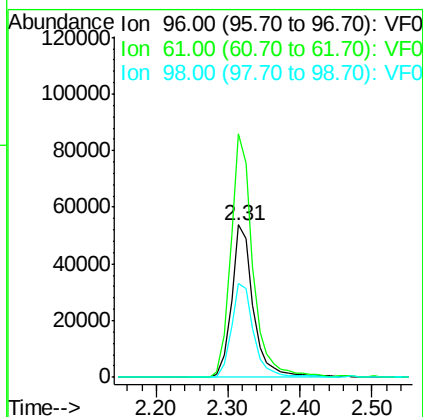
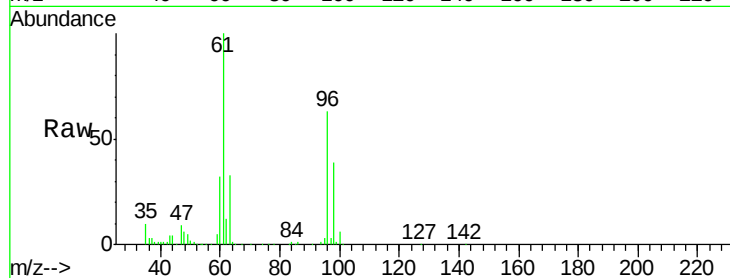
ClientSampleId :

ICVVF010819

Tot Ion:	96	Resp:	113786
Ion	Ratio	Lower	Upper
96	100		
61	159.5	127.0	190.4
98	61.5	51.7	77.5

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#22

Diisopropyl ether

Concen: 55.838 ug/l

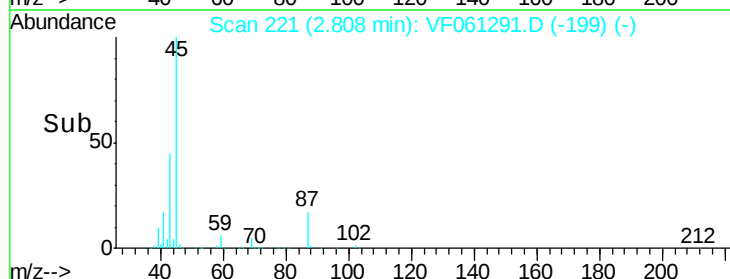
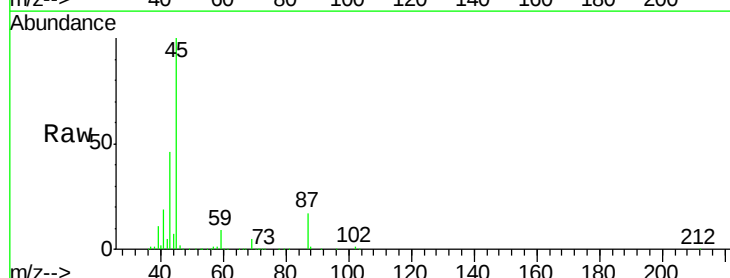
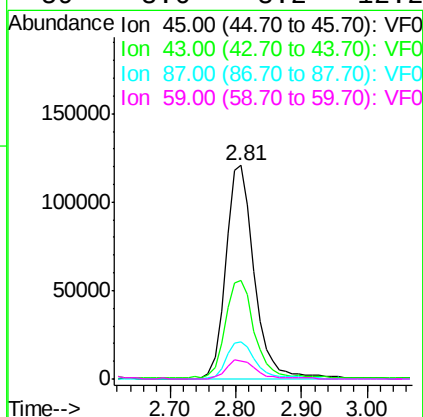
RT: 2.81 min Scan# 221

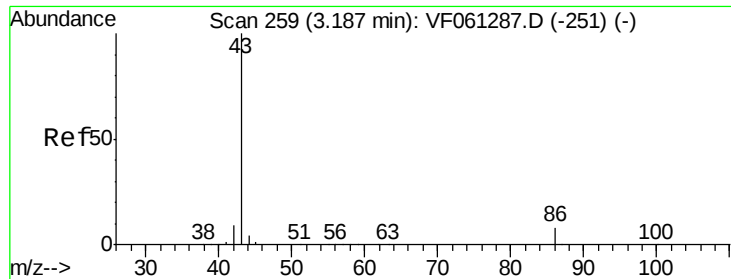
Delta R.T. 0.01 min

Lab File: VF061291.D

Acq: 8 Jan 2019 17:53

Tgt Ion:	45	Resp:	364229
Ion	Ratio	Lower	Upper
45	100		
43	46.1	37.4	56.2
87	17.2	14.2	21.2
59	8.6	8.2	12.2





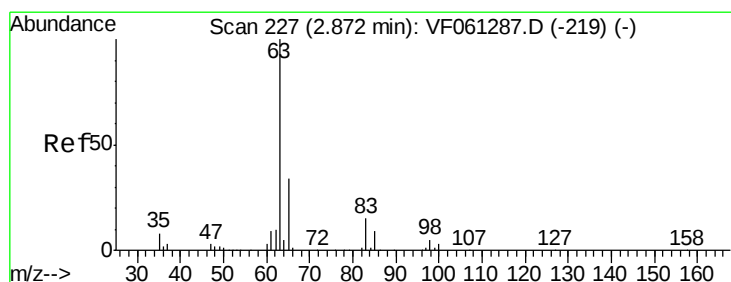
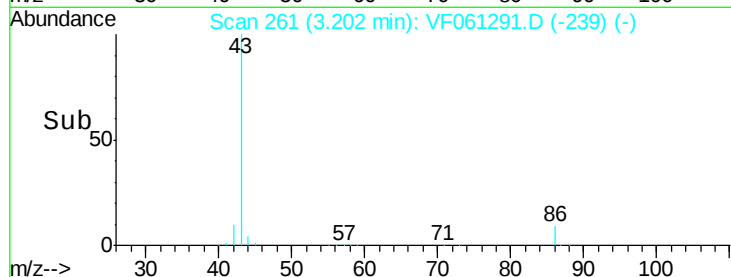
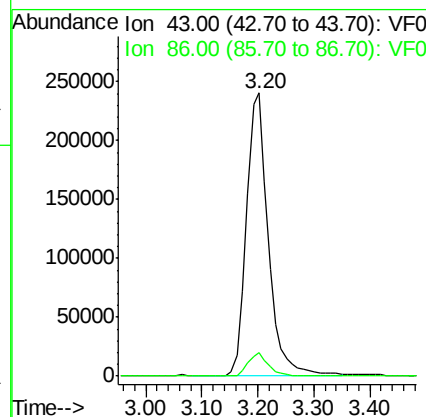
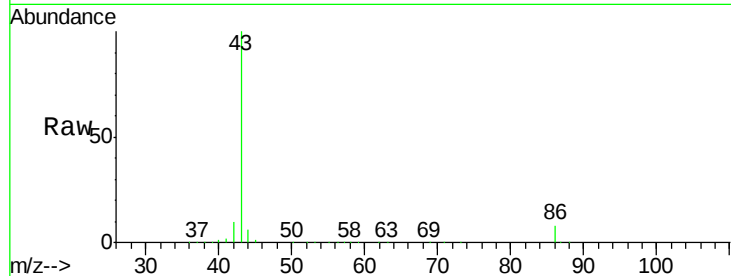
#23
 Vinyl Acetate
 Concen: 216.701 ug/l
 RT: 3.20 min Scan# 261
 Delta R.T. 0.01 min
 Lab File: VF061291.D
 Acq: 8 Jan 2019 17:53

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF010819

Tot Ion	43	Resp	647347
Ion Ratio	100	Lower	Upper
43	100		
86	8.5	6.5	9.7

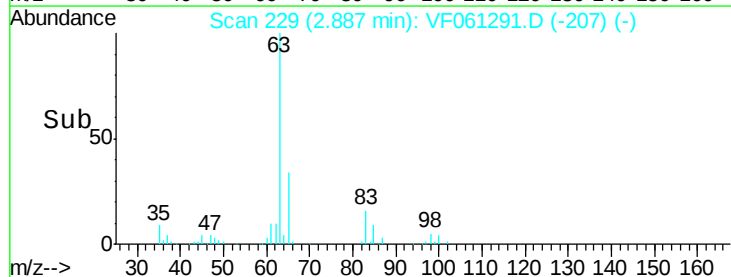
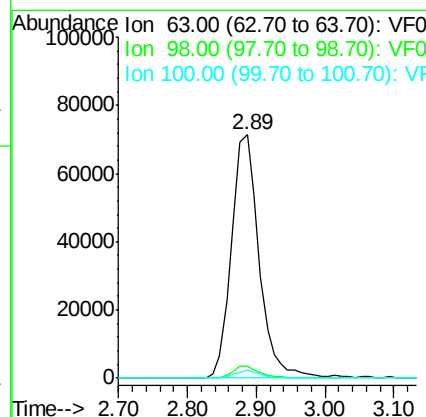
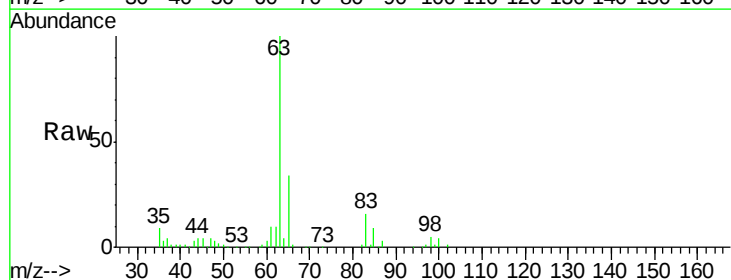
Manual Integrations
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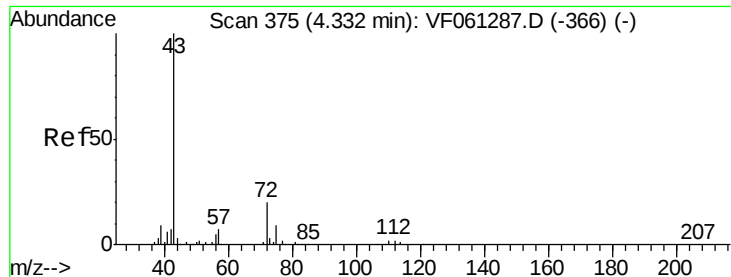
MMDadoda
 1/9/2019 11:45:15 AM



#24
 1,1-Dichloroethane
 Concen: 52.086 ug/l
 RT: 2.89 min Scan# 229
 Delta R.T. 0.01 min
 Lab File: VF061291.D
 Acq: 8 Jan 2019 17:53

Tgt Ion	63	Resp	199197
Ion Ratio	100	Lower	Upper
63	100		
98	5.1	2.5	7.6
100	3.5	1.7	5.0





#25

2-Butanone

Concen: 226.839 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.01 min

Lab File: VF061291.D

Acq: 8 Jan 2019 17:53

Instrument :

MSVOA_F

ClientSampleId :

ICVVF010819

Tot Ion: 43 Resp: 210953

Ion Ratio Lower Upper

43 100

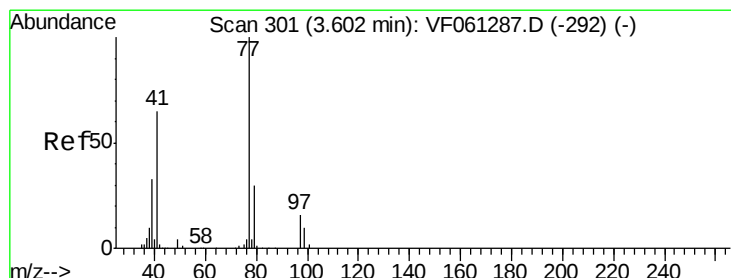
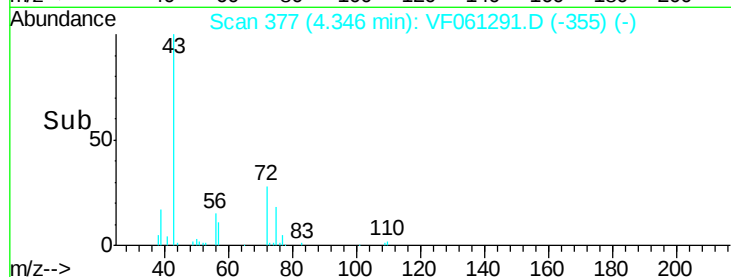
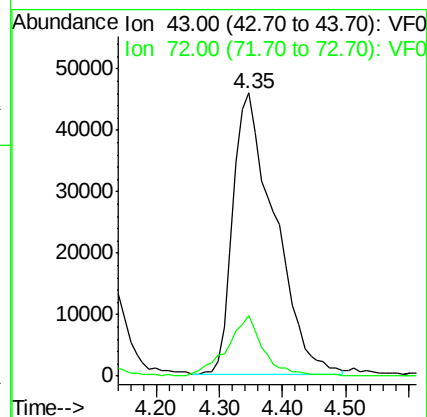
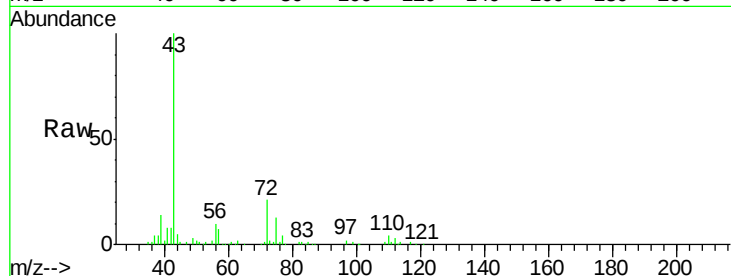
72 21.3 16.5 24.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 56.862 ug/l

RT: 3.61 min Scan# 302

Delta R.T. 0.01 min

Lab File: VF061291.D

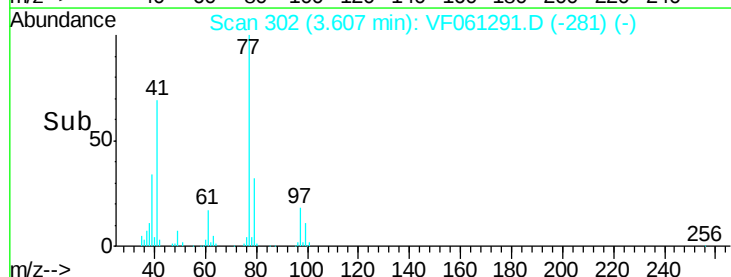
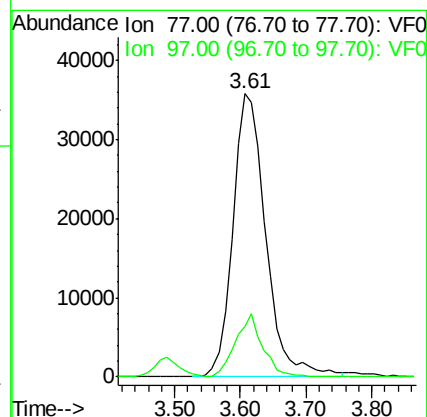
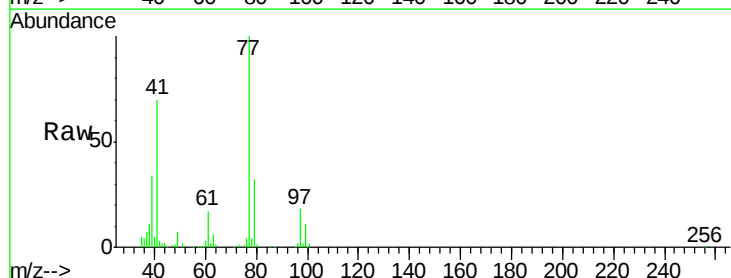
Acq: 8 Jan 2019 17:53

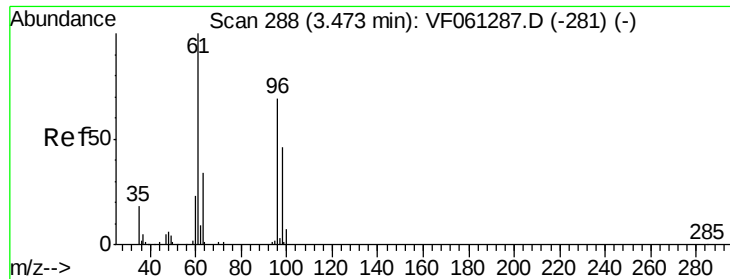
Tgt Ion: 77 Resp: 125230

Ion Ratio Lower Upper

77 100

97 18.0 8.6 25.9





#27

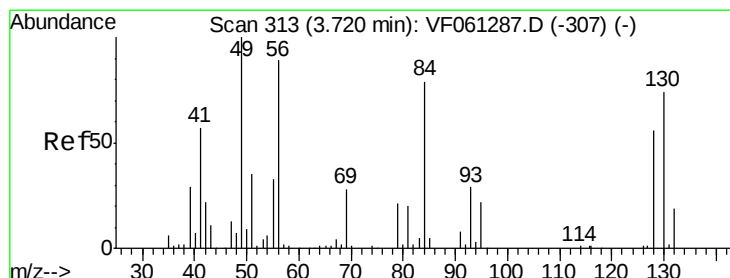
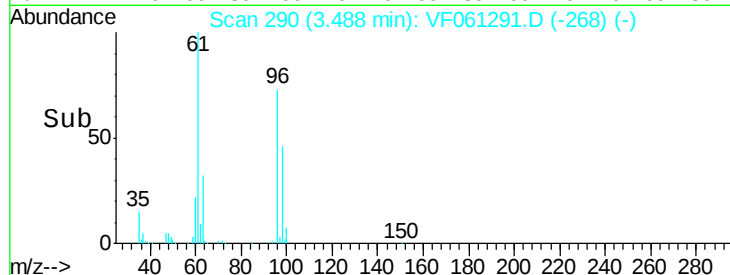
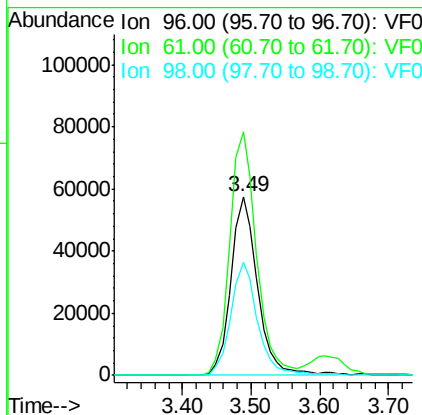
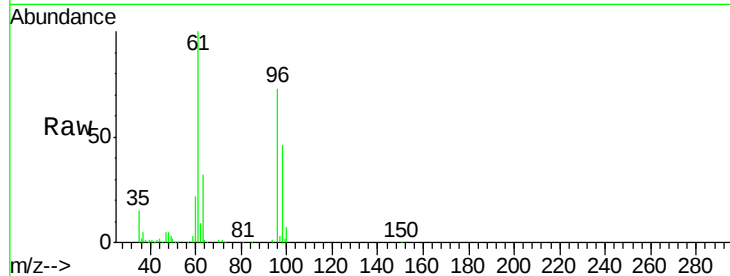
cis-1,2-Dichloroethene
Concen: 53.172 ug/l
RT: 3.49 min Scan# 290
Delta R.T. 0.01 min
Lab File: VF061291.D
Acq: 8 Jan 2019 17:53

Instrument :
MSVOA_F
ClientSampleId :
ICVVF010819

Tot Ion	Ratio	Resp	Lower	Upper
96	100	154201		
61	136.2	0.0	288.2	
98	63.0	0.0	132.2	

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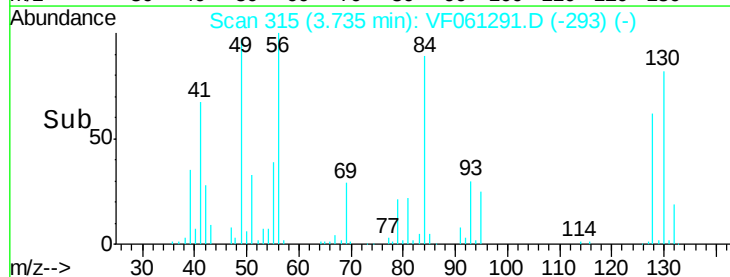
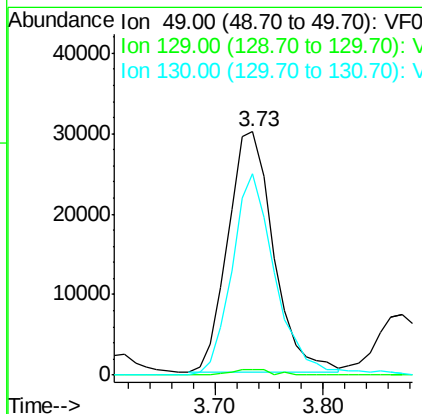
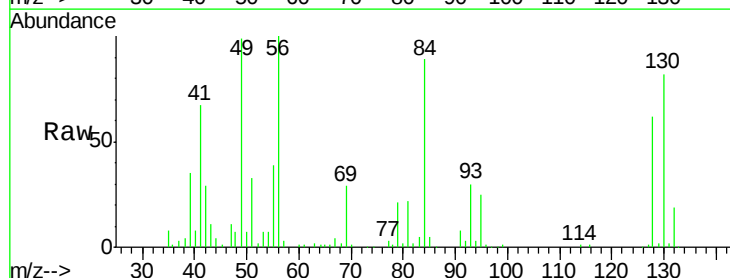
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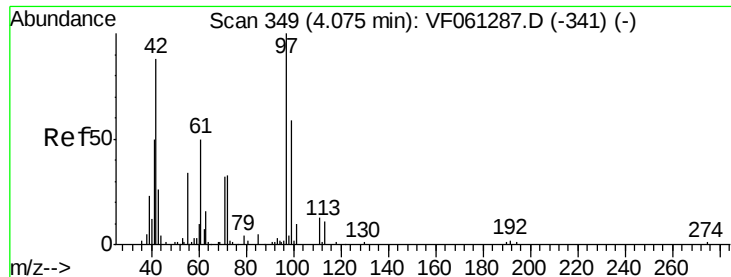


#28

Bromochloromethane
Concen: 48.799 ug/l
RT: 3.73 min Scan# 315
Delta R.T. 0.01 min
Lab File: VF061291.D
Acq: 8 Jan 2019 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	88349		
129	2.0	0.0	0.0#	
130	82.8	58.6	88.0	





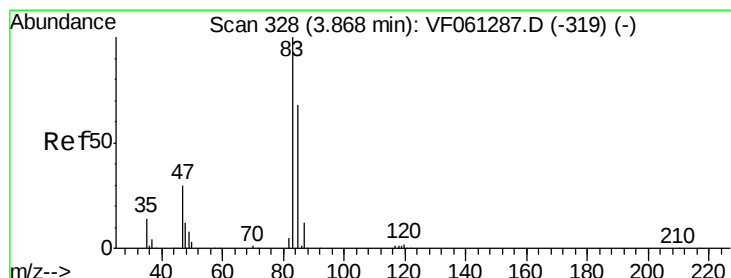
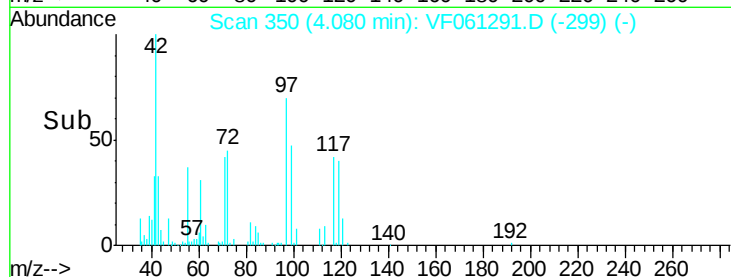
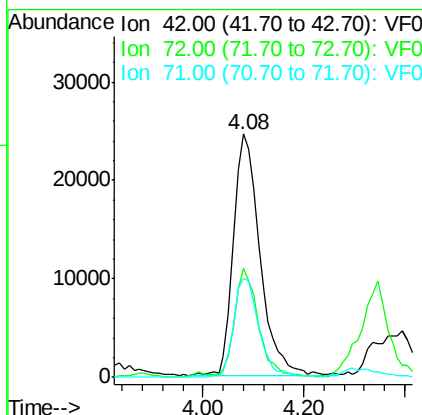
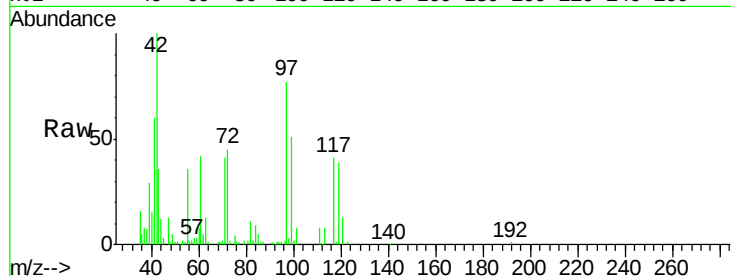
#29
Tetrahydrofuran
Concen: 247.087 ug/l
RT: 4.08 min Scan# 350
Delta R.T. 0.00 min
Lab File: VF061291.D
Acq: 8 Jan 2019 17:53

Instrument :
MSVOA_F
ClientSampleId :
ICVVF010819

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	32.3	48.5
71	38.5	29.5	44.3

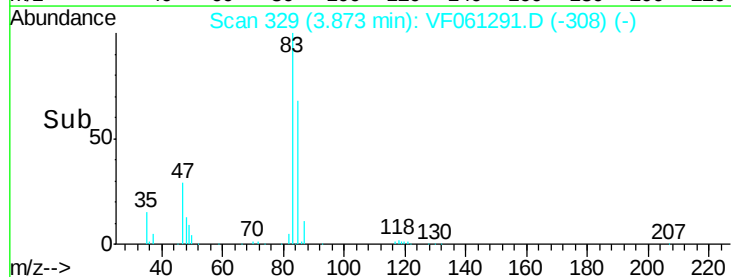
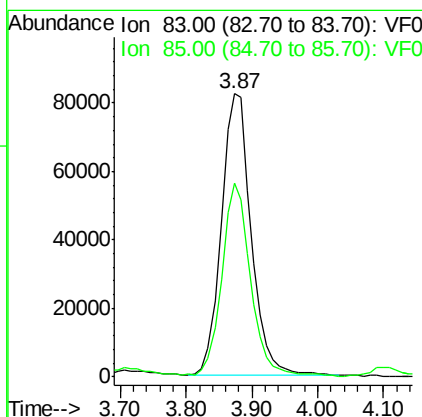
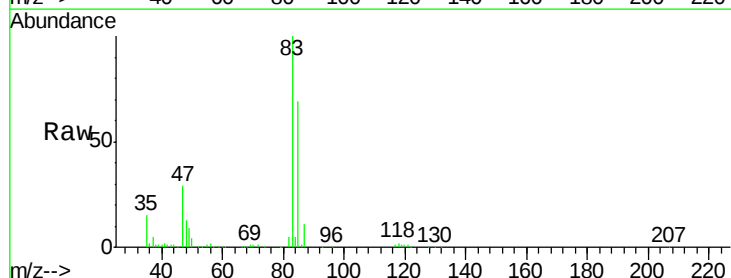
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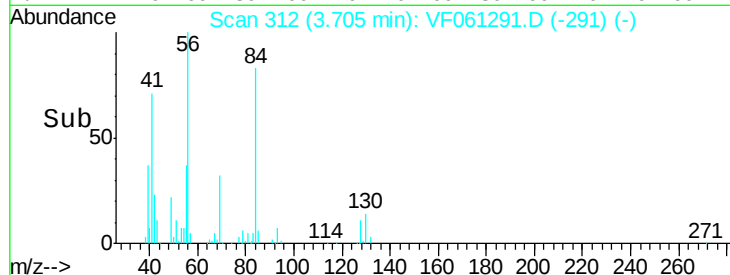
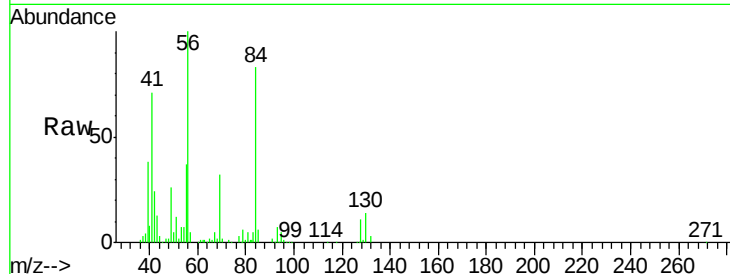
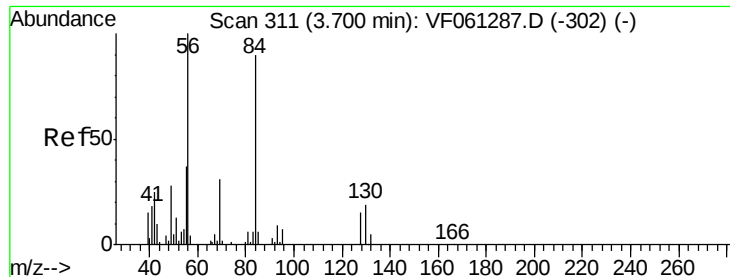
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#30
Chloroform
Concen: 48.596 ug/l
RT: 3.87 min Scan# 329
Delta R.T. 0.00 min
Lab File: VF061291.D
Acq: 8 Jan 2019 17:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.6	54.4	81.6





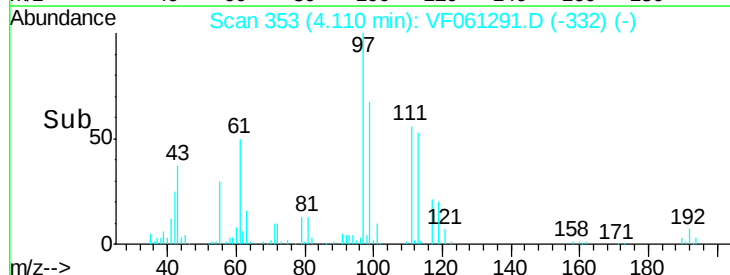
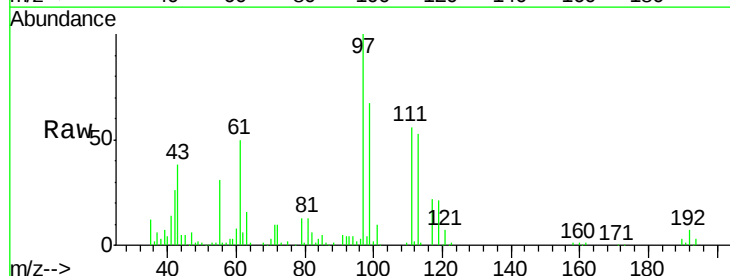
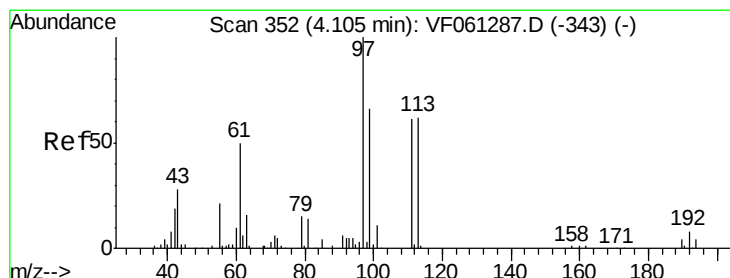
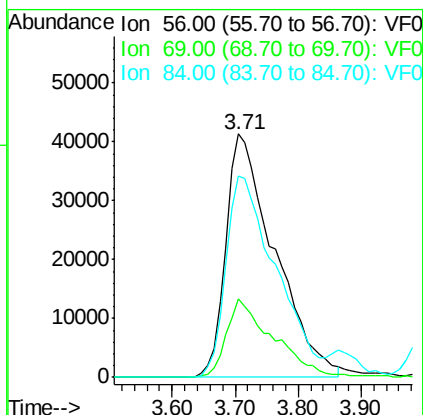
#31
Cyclohexane
Concen: 54.589 ug/l
RT: 3.71 min Scan# 312
Delta R.T. 0.00 min
Lab File: VF061291.D
Acq: 8 Jan 2019 17:53

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.5	24.7	37.1
84	82.7	72.2	108.4

Instrument :
MSVOA_F
ClientSampleId :
ICVVF010819

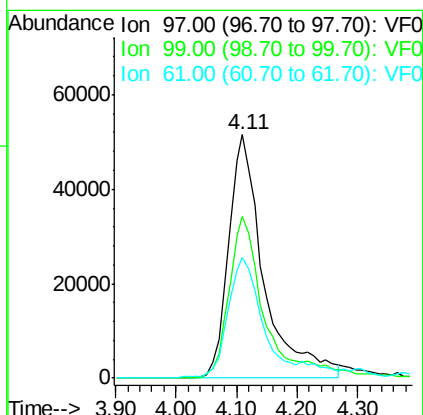
Manual Integrations
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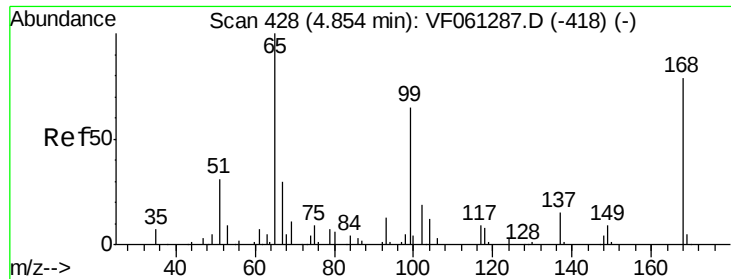
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#32
1,1,1-Trichloroethane
Concen: 60.252 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.01 min
Lab File: VF061291.D
Acq: 8 Jan 2019 17:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.6	52.7	79.1
61	49.6	40.8	61.2





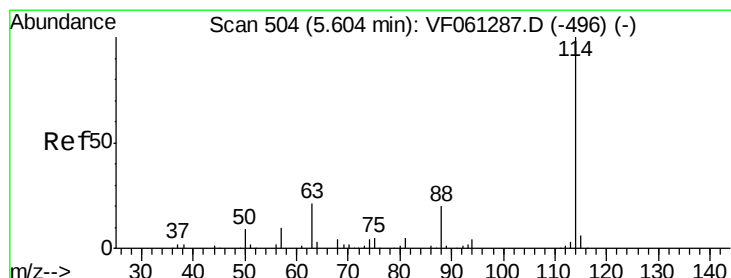
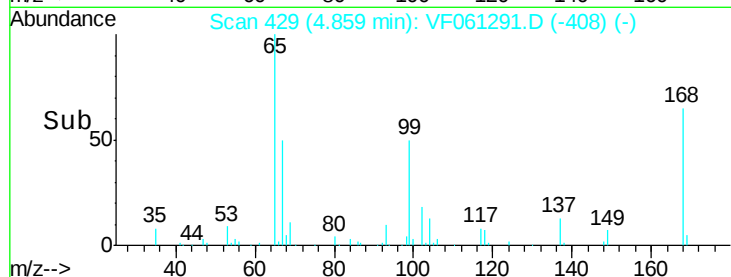
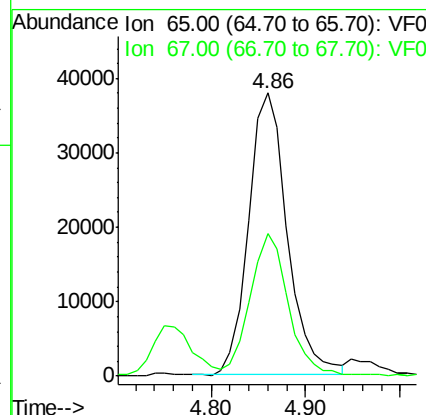
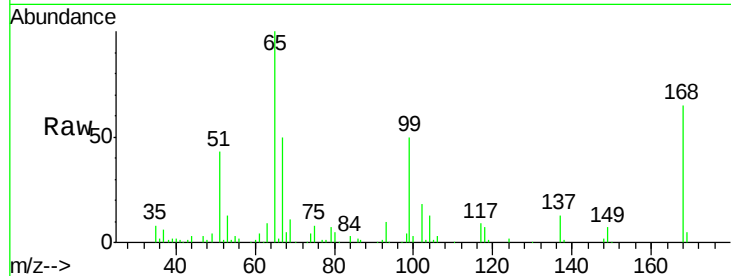
#33
 1,2-Dichloroethane-d4
 Concen: 43.686 ug/l
 RT: 4.86 min Scan# 429
 Delta R.T. 0.00 min
 Lab File: VF061291.D
 Acq: 8 Jan 2019 17:53

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV010819

Tot Ion: 65 Resp: 108066
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 98.2

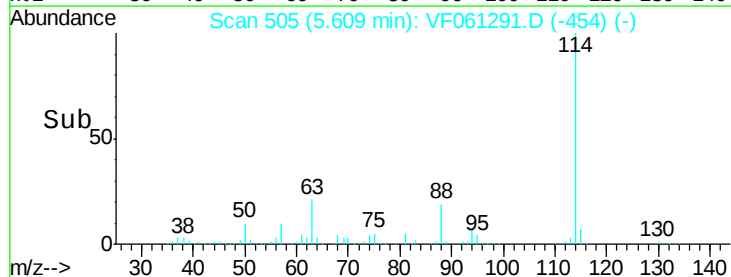
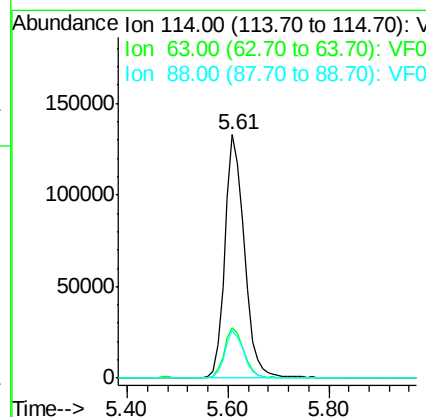
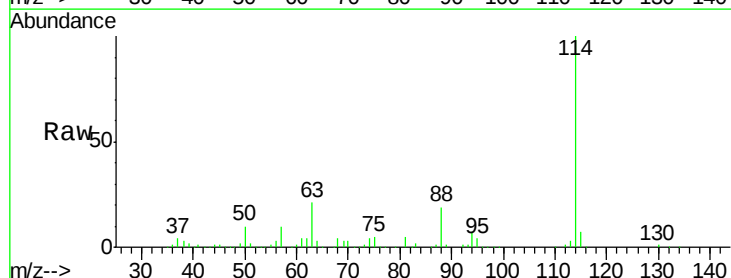
Manual Integrations
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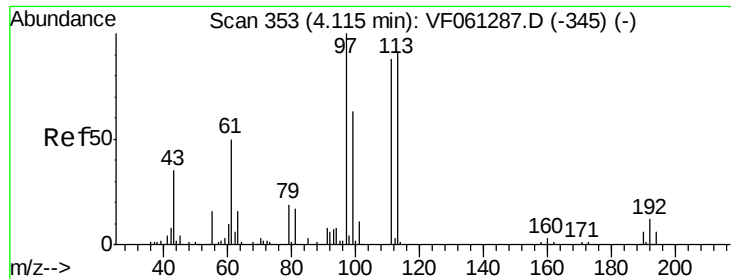
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. 0.00 min
 Lab File: VF061291.D
 Acq: 8 Jan 2019 17:53

Tgt Ion: 114 Resp: 358770
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 42.8
 88 19.5 0.0 40.0





#35

Dibromofluoromethane

Concen: 48.264 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.01 min

Lab File: VF061291.D

Acq: 8 Jan 2019 17:53

Instrument :

MSVOA_F

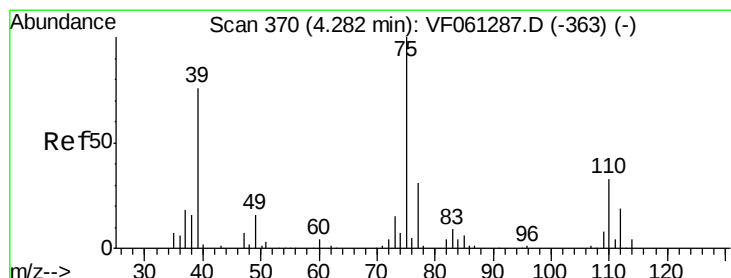
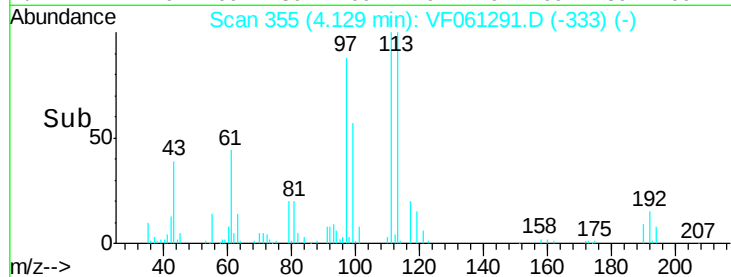
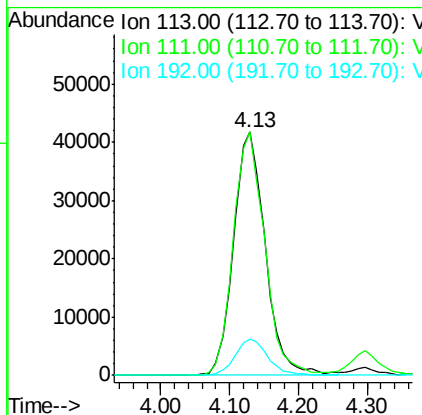
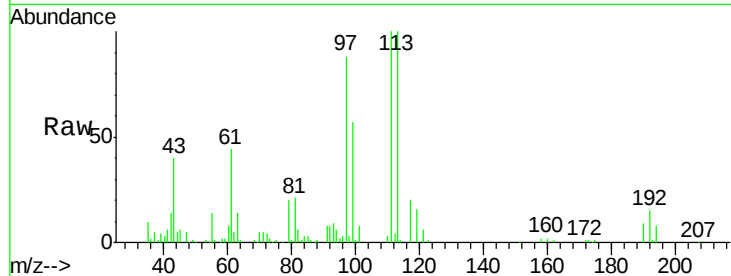
ClientSampleId :

ICVVF010819

Tot Ion:	113	Resp:	133219
Ion Ratio	Lower	Upper	
113	100		
111	100.2	78.0	117.0
192	15.0	10.6	16.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 47.357 ug/l

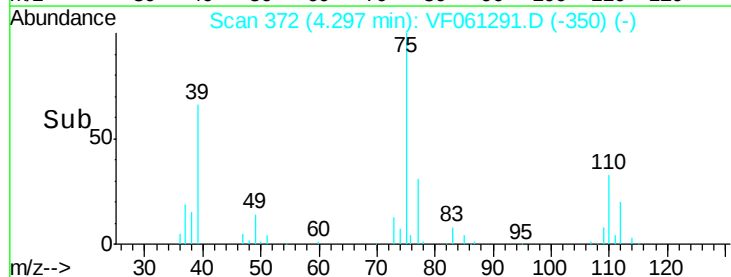
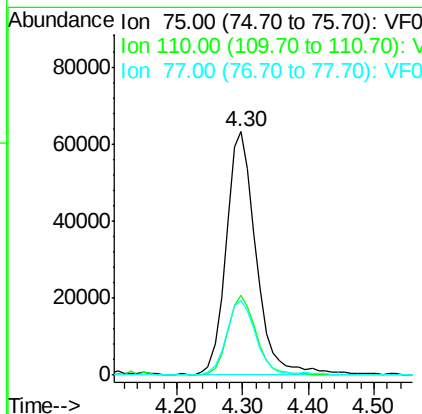
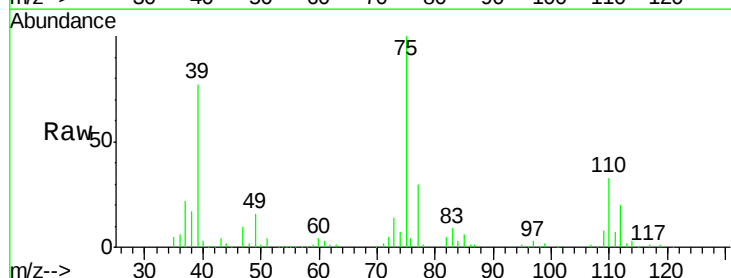
RT: 4.30 min Scan# 372

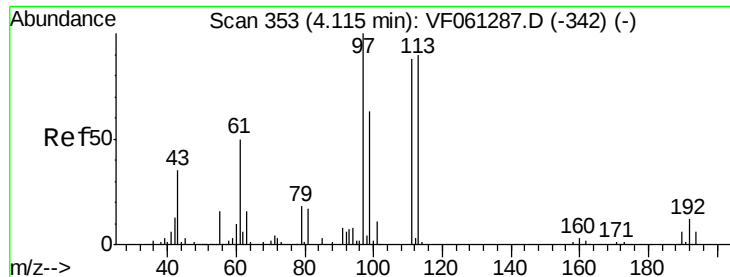
Delta R.T. 0.01 min

Lab File: VF061291.D

Acq: 8 Jan 2019 17:53

Tgt Ion:	75	Resp:	200104
Ion Ratio	Lower	Upper	
75	100		
110	32.7	16.6	49.8
77	30.5	25.1	37.7





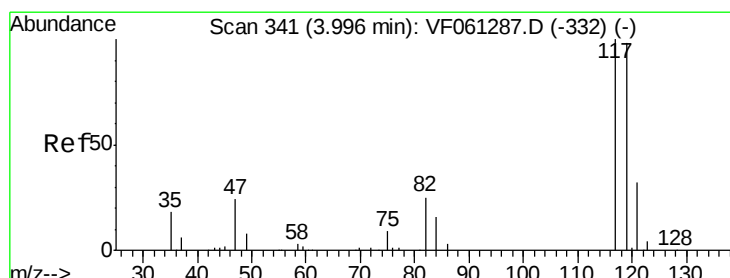
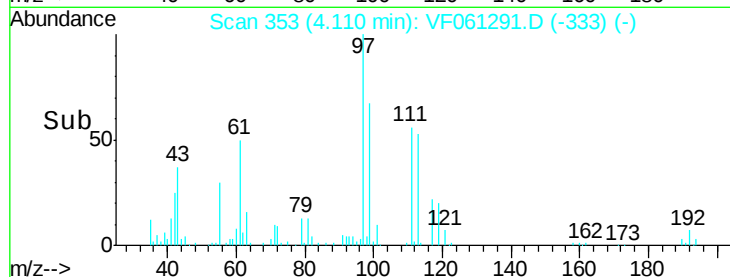
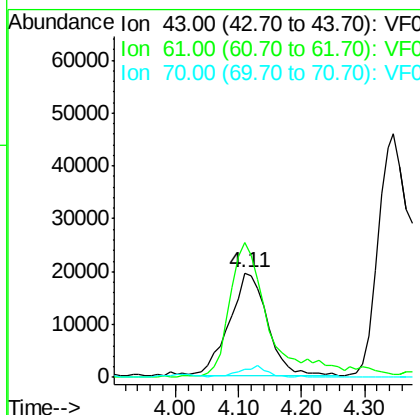
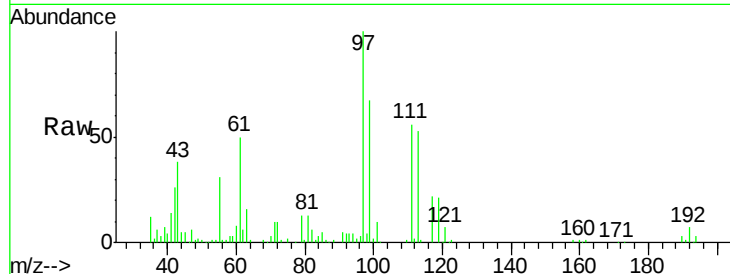
#37
Ethyl Acetate
Concen: 49.216 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.00 min
Lab File: VF061291.D
Acq: 8 Jan 2019 17:53

Instrument :
MSVOA_F
ClientSampleId :
ICVVF010819

Tot Ion	43	61	70
Resp	83031	129.6	8.2
Lower		113.3	9.4
Upper		169.9	14.0#

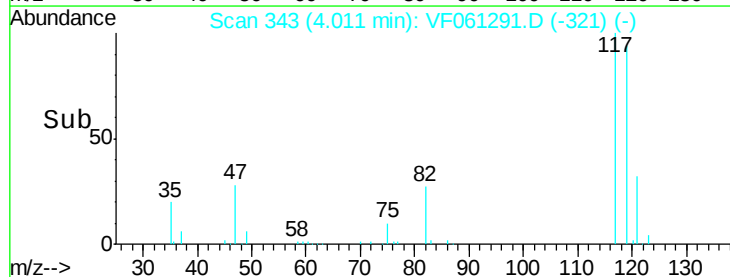
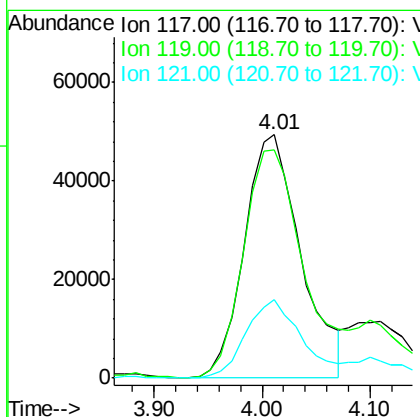
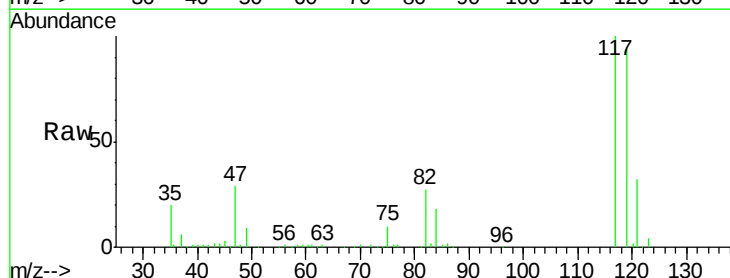
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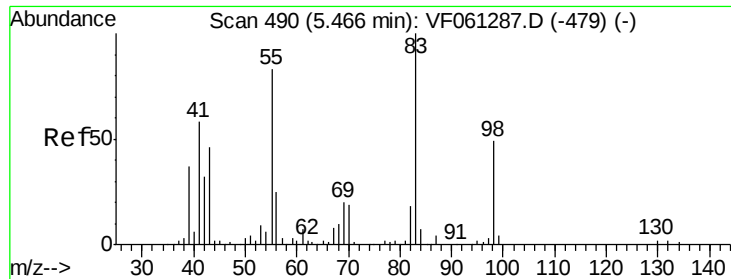
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#38
Carbon Tetrachloride
Concen: 52.954 ug/l
RT: 4.01 min Scan# 343
Delta R.T. 0.01 min
Lab File: VF061291.D
Acq: 8 Jan 2019 17:53

Tgt Ion	117	119	121
Resp	179134	93.9	32.1
Lower		78.5	25.3
Upper		117.7	37.9





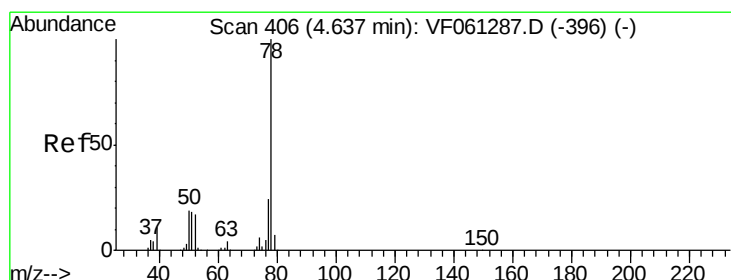
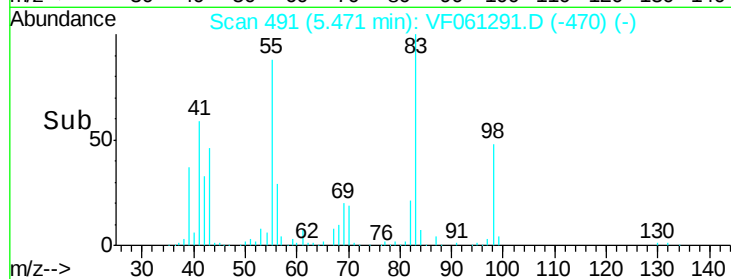
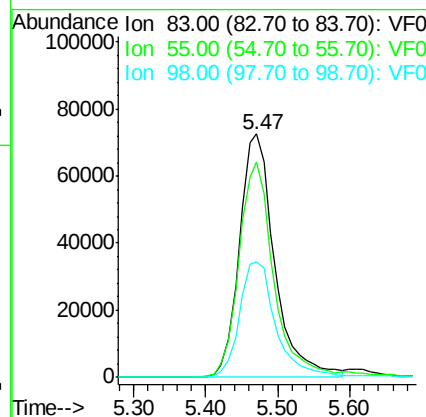
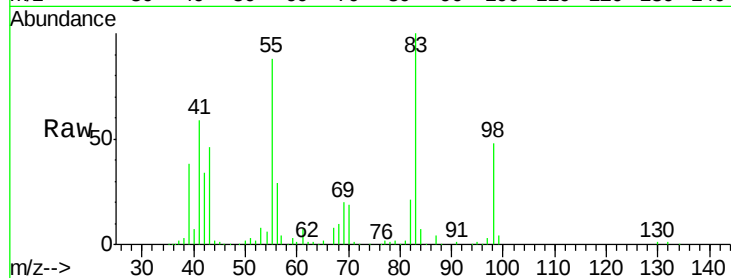
#39
Methvlcvclohexane
Concen: 54.825 ug/l
RT: 5.47 min Scan# 491
Delta R.T. 0.00 min
Lab File: VF061291.D
Acq: 8 Jan 2019 17:53

Instrument :
MSVOA_F
ClientSampleId :
ICVVF010819

Tot Ion	Ratio	Resp	Lower	Upper
83	100	247630		
55	88.5	66.4	99.6	
98	47.6	39.1	58.7	

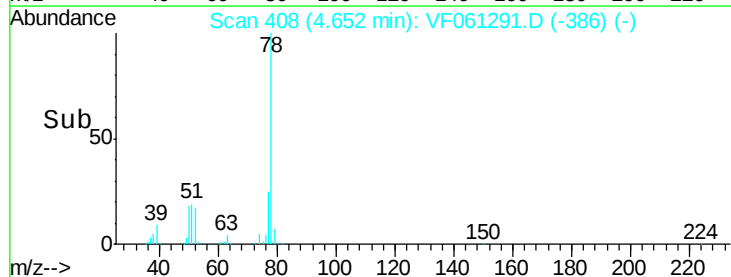
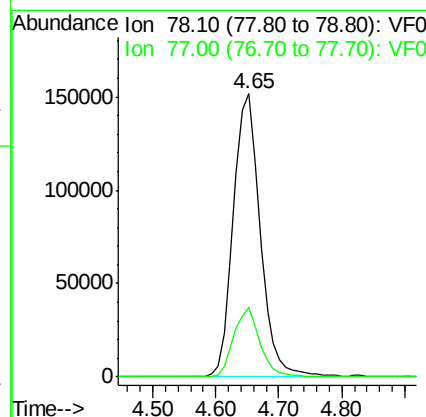
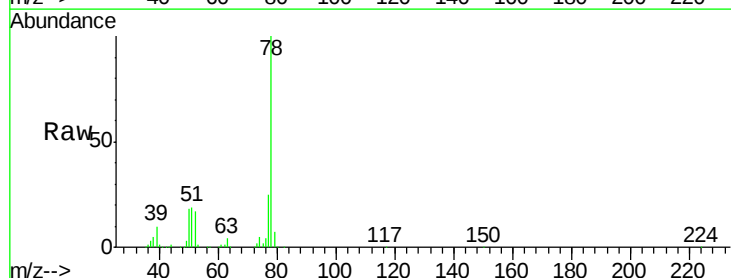
Manual Integrations
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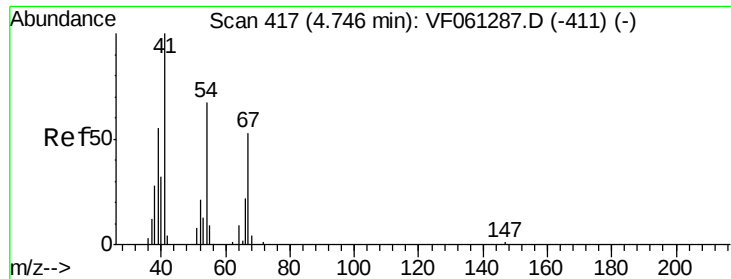
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#40
Benzene
Concen: 46.940 ug/l
RT: 4.65 min Scan# 408
Delta R.T. 0.01 min
Lab File: VF061291.D
Acq: 8 Jan 2019 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	450134		
77	24.7	19.1	28.7	





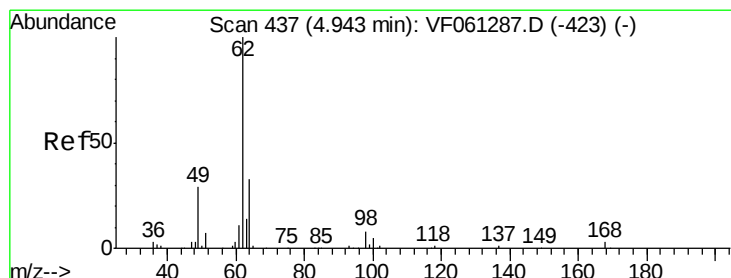
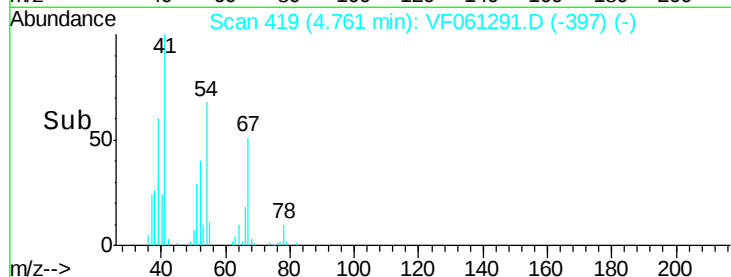
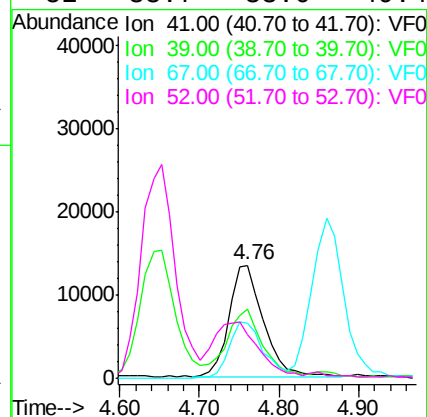
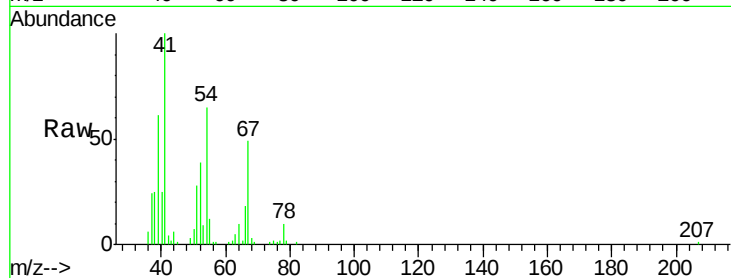
#41
Methacrylonitrile
Concen: 42.221 ug/l
RT: 4.76 min Scan# 419
Delta R.T. 0.01 min
Lab File: VF061291.D
Acq: 8 Jan 2019 17:53

Instrument :
MSVOA_F
ClientSampleId :
ICVVF010819

Tot Ion	Ratio	Lower	Upper
41	100		
39	61.0	52.7	79.1
67	49.1	41.4	62.2
52	38.7	33.0	49.4

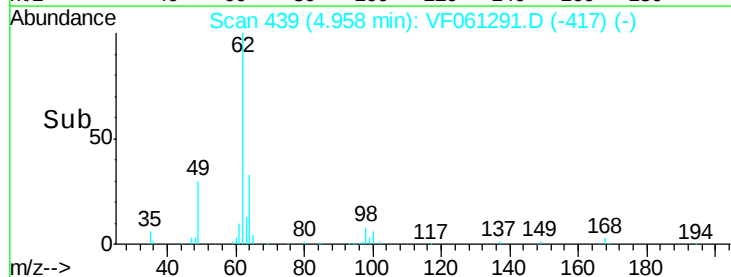
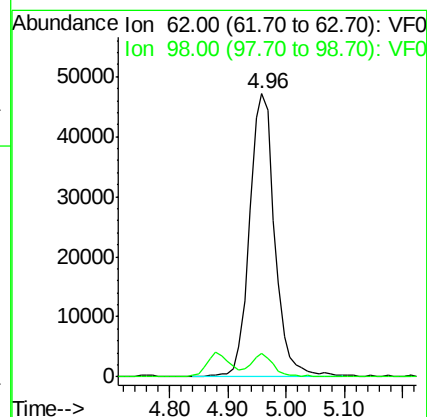
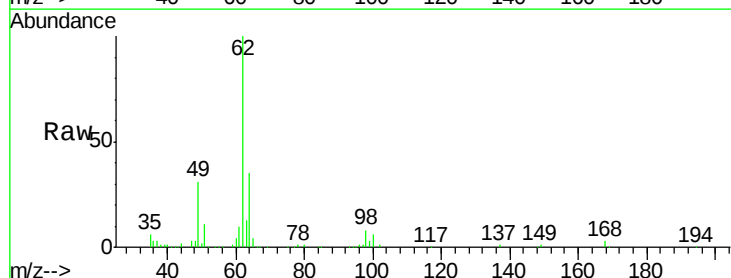
Manual Integrations
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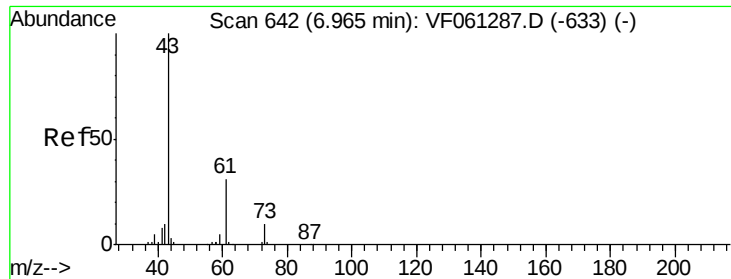
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#42
1,2-Dichloroethane
Concen: 44.706 ug/l
RT: 4.96 min Scan# 439
Delta R.T. 0.01 min
Lab File: VF061291.D
Acq: 8 Jan 2019 17:53

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.8





#43

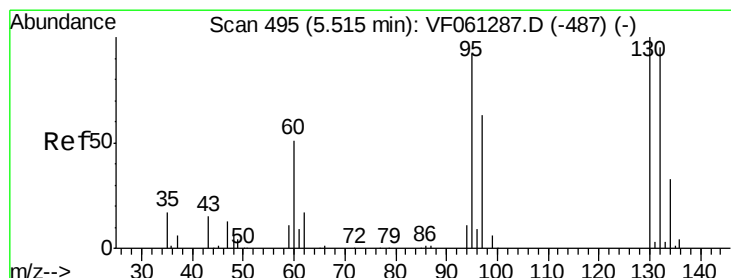
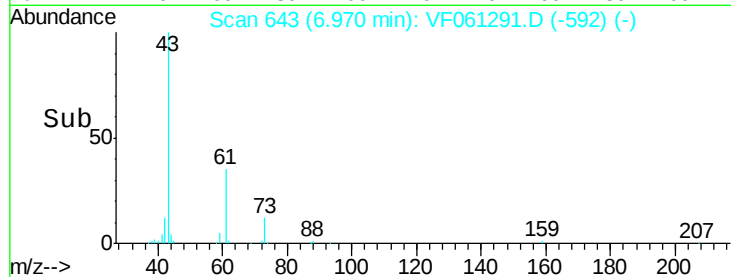
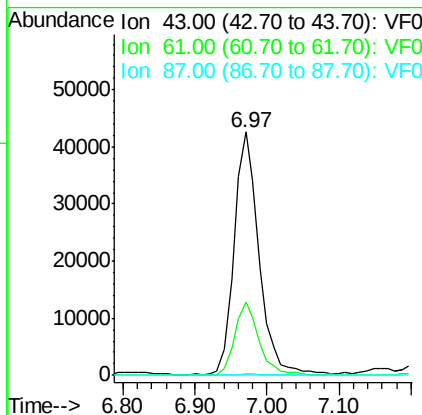
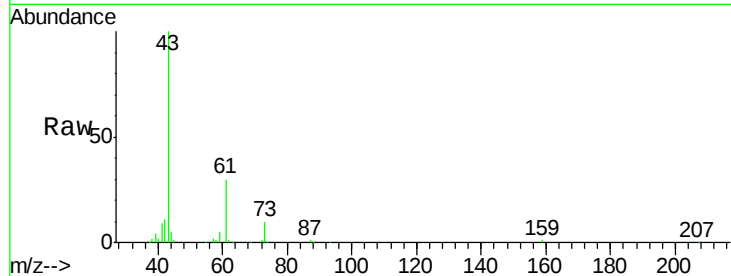
Isopropyl Acetate
 Concen: 45.243 ug/l
 RT: 6.97 min Scan# 643
 Delta R.T. 0.00 min
 Lab File: VF061291.D
 Acq: 8 Jan 2019 17:53

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF010819

Tot Ion	43	Resp	101846
Ion Ratio	Lower	Upper	
43	100		
61	30.1	24.3	36.5
87	0.6	0.2	0.4

Manual Integrations
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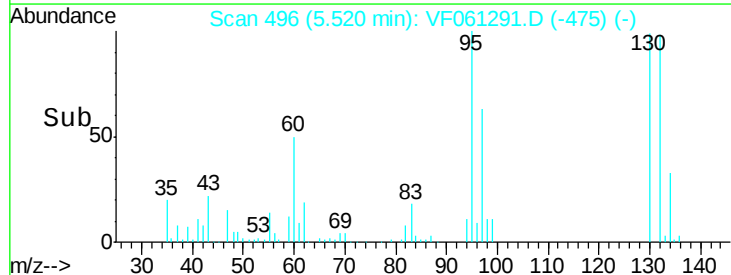
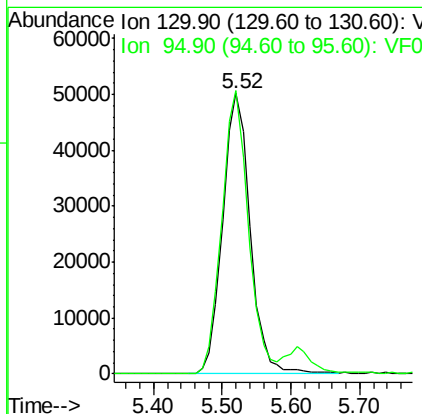
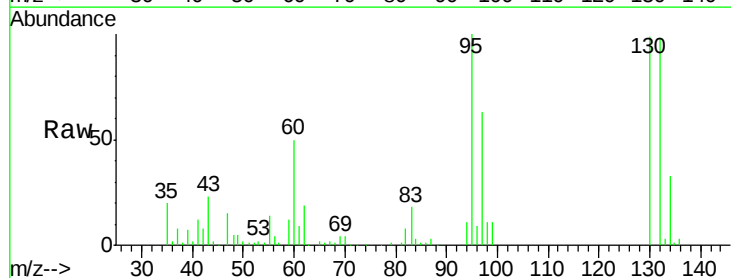
MMDadoda
 1/9/2019 11:45:15 AM

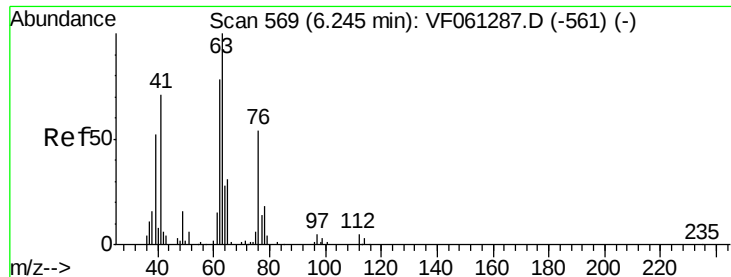


#44

Trichloroethene
 Concen: 46.520 ug/l
 RT: 5.52 min Scan# 496
 Delta R.T. 0.00 min
 Lab File: VF061291.D
 Acq: 8 Jan 2019 17:53

Tgt Ion	130	Resp	138862
Ion Ratio	Lower	Upper	
130	100		
95	100.9	0.0	184.4





#45

1,2-Dichloropropane

Concen: 49.093 ug/l

RT: 6.25 min Scan# 570

Delta R.T. 0.00 min

Lab File: VF061291.D

Acq: 8 Jan 2019 17:53

Instrument :

MSVOA_F

ClientSampleId :

ICVVF010819

Tot Ion: 63 Resp: 120192

Ion Ratio Lower Upper

63 100

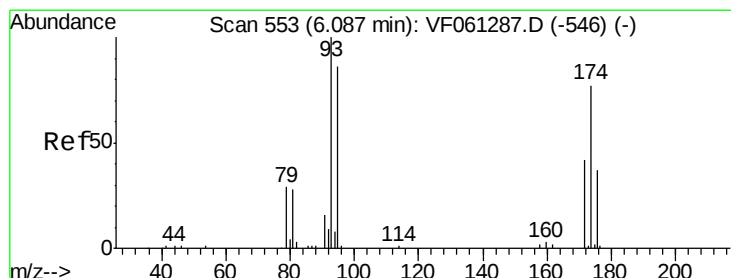
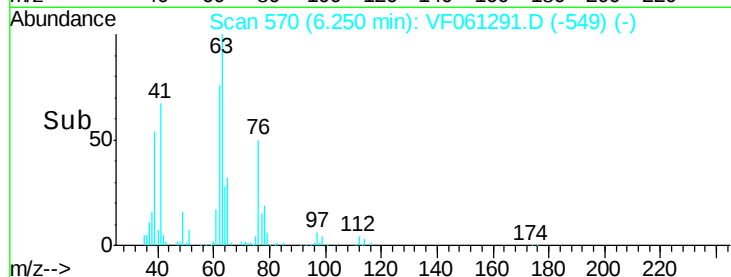
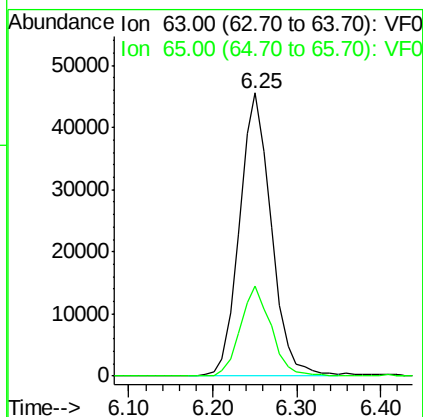
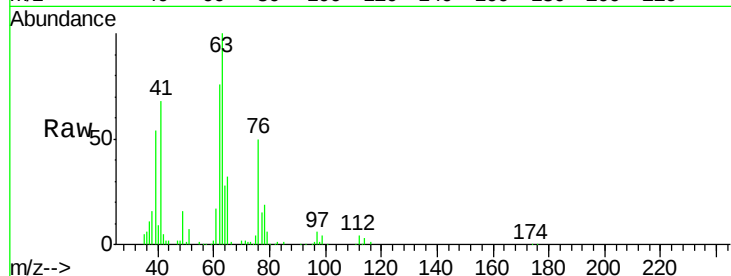
65 32.0 25.1 37.7

Manual Integrations

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#46

Dibromomethane

Concen: 47.523 ug/l

RT: 6.10 min Scan# 555

Delta R.T. 0.01 min

Lab File: VF061291.D

Acq: 8 Jan 2019 17:53

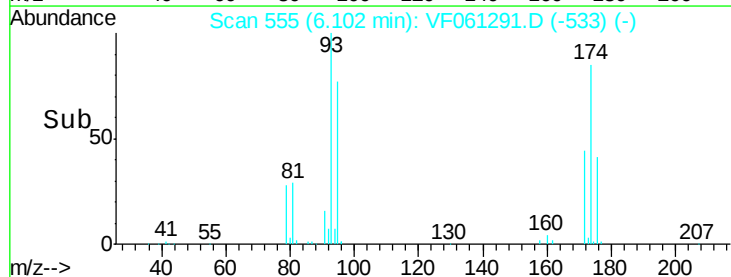
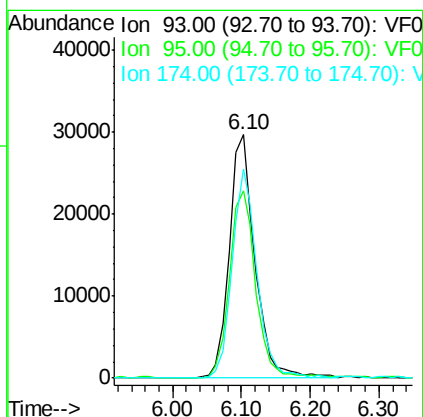
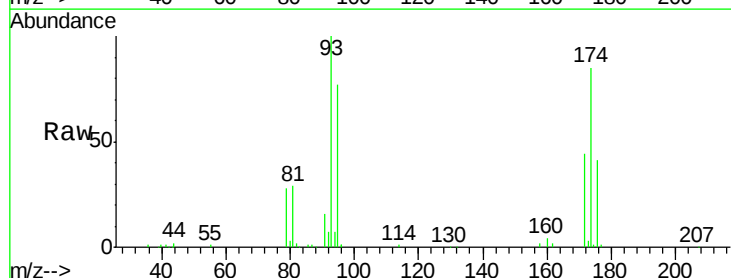
Tgt Ion: 93 Resp: 76559

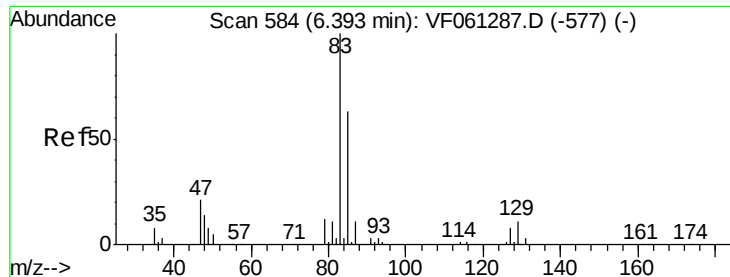
Ion Ratio Lower Upper

93 100

95 76.7 68.8 103.2

174 86.1 62.9 94.3





#47

Bromodichloromethane

Concen: 45.907 ug/l

RT: 6.40 min Scan# 585

Delta R.T. 0.00 min

Lab File: VF061291.D

Acq: 8 Jan 2019 17:53

Instrument :

MSVOA_F

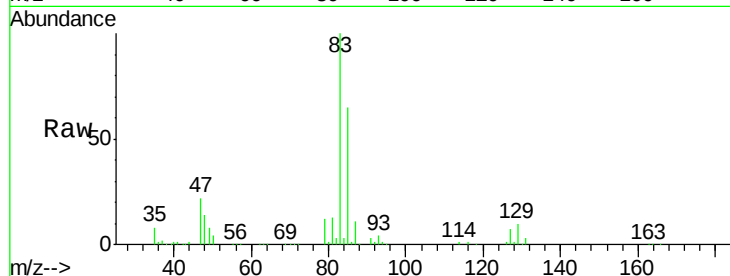
ClientSampleId :

ICVVF010819

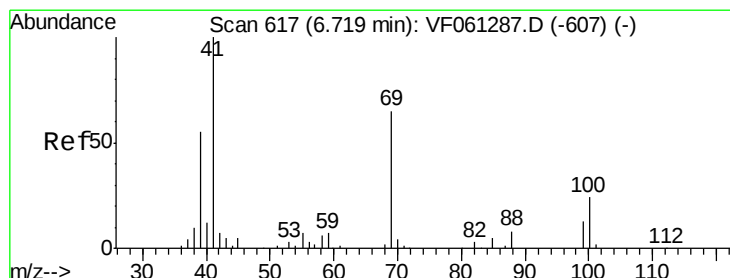
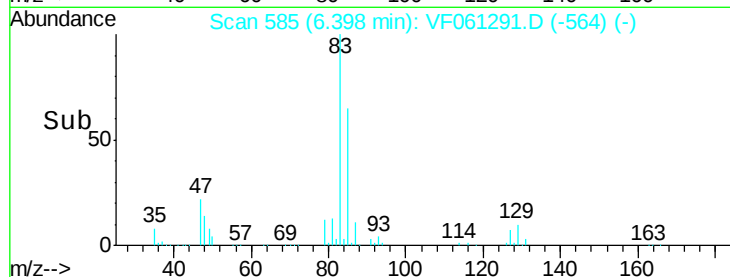
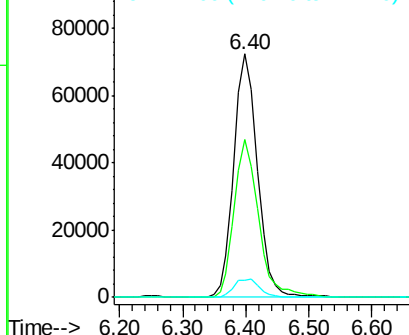
Tot Ion:	83	Resp:	188255
Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.4	75.6
127	7.1	6.4	9.6

Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 46.151 ug/l

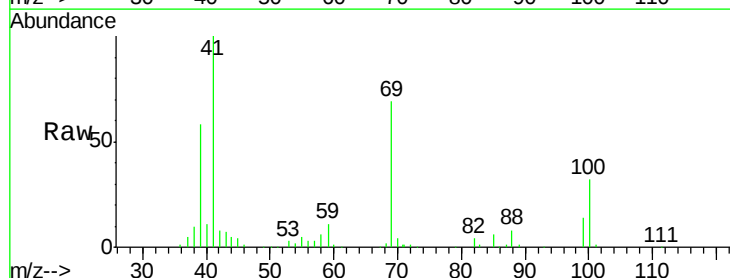
RT: 6.73 min Scan# 619

Delta R.T. 0.01 min

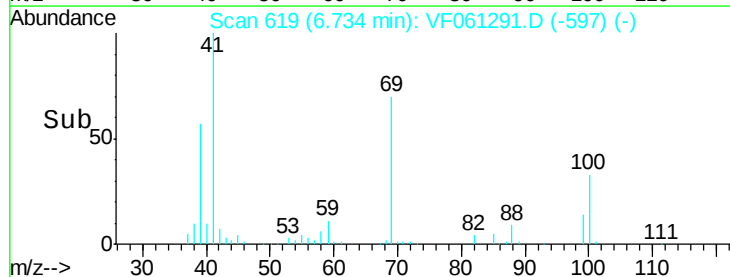
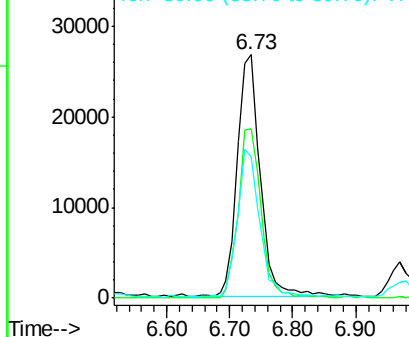
Lab File: VF061291.D

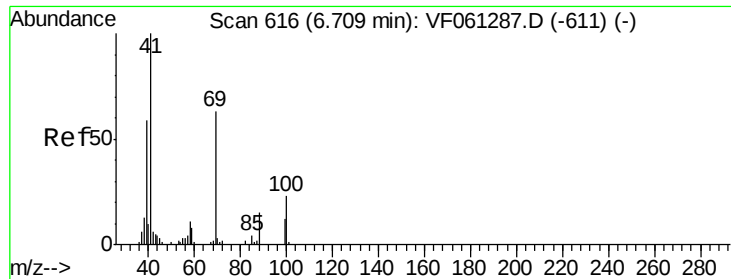
Acq: 8 Jan 2019 17:53

Tgt Ion:	41	Resp:	67272
Ion	Ratio	Lower	Upper
41	100		
69	69.3	51.5	77.3
39	57.9	44.1	66.1



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





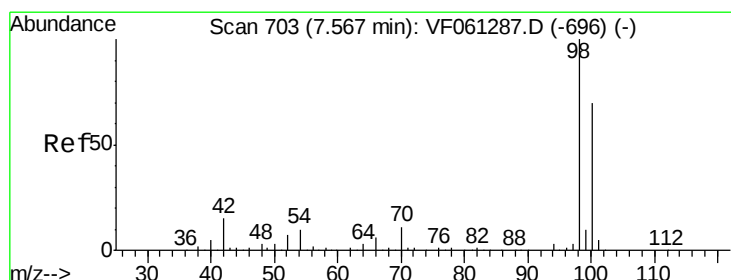
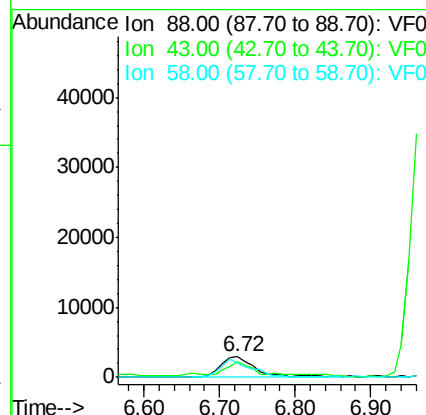
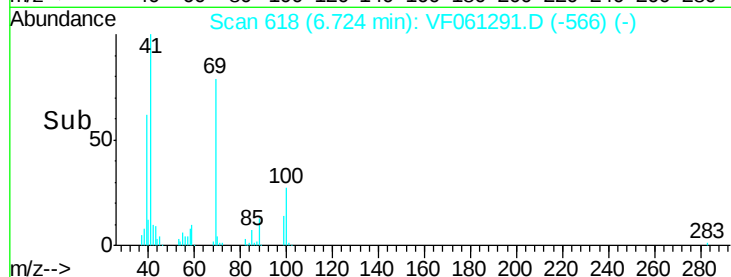
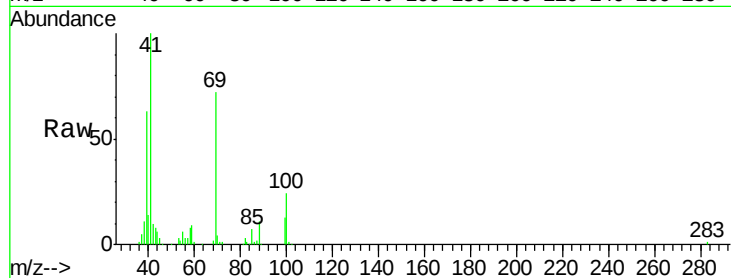
#49
1,4-Dioxane
Concen: 962.875 ug/l
RT: 6.72 min Scan# 618
Delta R.T. 0.01 min
Lab File: VF061291.D
Acq: 8 Jan 2019 17:53

Instrument :
MSVOA_F
ClientSampleId :
ICVVF010819

Tot Ion: 88 Resp: 9725
Ion Ratio Lower Upper
88 100
43 74.2 38.5 57.7#
58 67.7 57.0 85.4

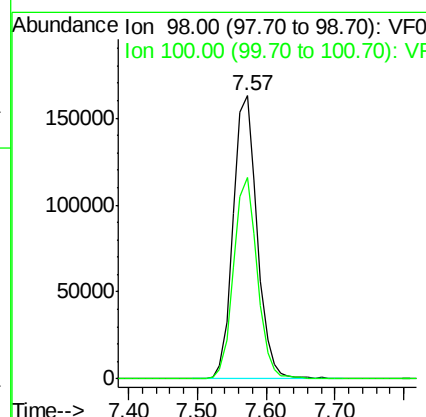
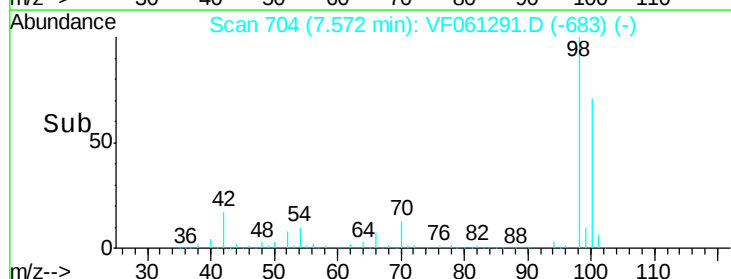
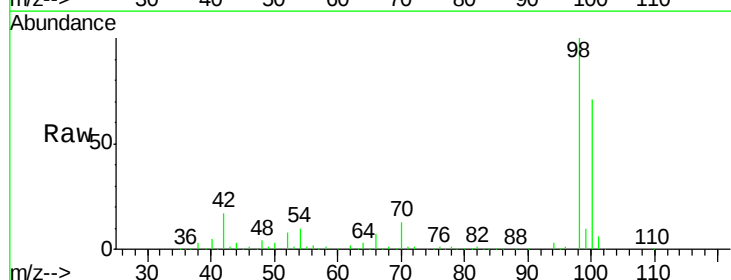
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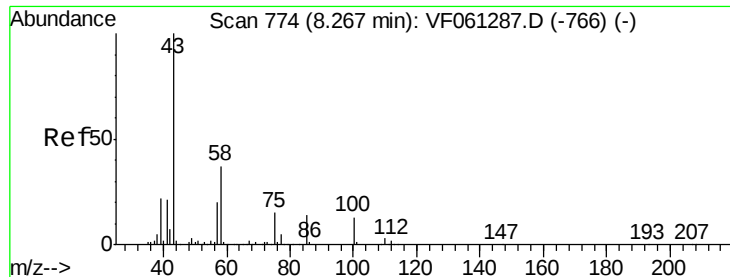
MMDadoda
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#50
Toluene-d8
Concen: 48.065 ug/l
RT: 7.57 min Scan# 704
Delta R.T. 0.00 min
Lab File: VF061291.D
Acq: 8 Jan 2019 17:53

Tgt Ion: 98 Resp: 393696
Ion Ratio Lower Upper
98 100
100 71.0 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 232.145 ug/l

RT: 8.27 min Scan# 775

Delta R.T. 0.00 min

Lab File: VF061291.D

Acq: 8 Jan 2019 17:53

Instrument :

MSVOA_F

ClientSampleId :

ICVVF010819

Tot Ion: 43 Resp: 362950

Ion Ratio Lower Upper

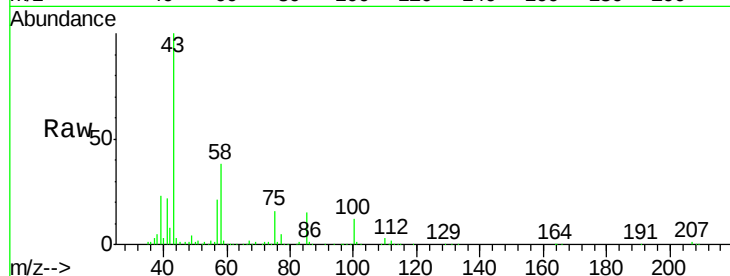
43 100

58 38.0 29.6 44.4

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.27

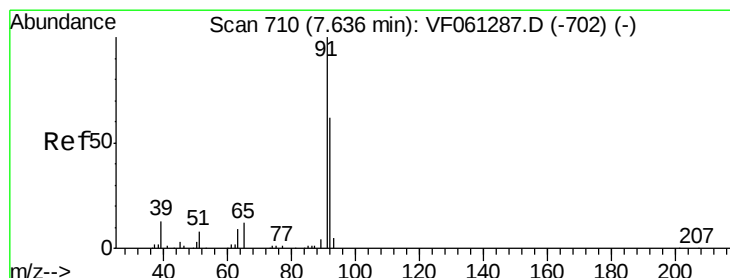
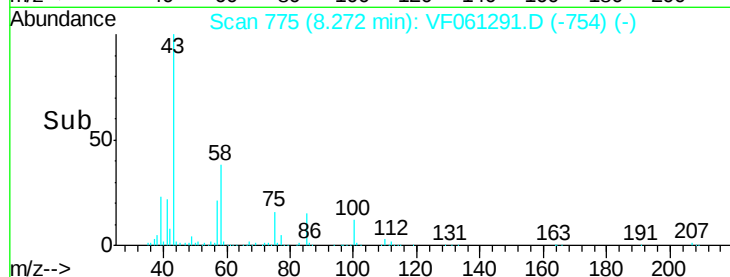
150000

100000

50000

0

Time--> 8.10 8.20 8.30 8.40



#52

Toluene

Concen: 46.407 ug/l

RT: 7.64 min Scan# 711

Delta R.T. 0.00 min

Lab File: VF061291.D

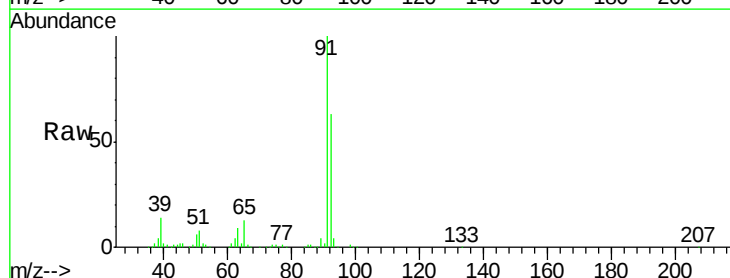
Acq: 8 Jan 2019 17:53

Tgt Ion: 92 Resp: 290581

Ion Ratio Lower Upper

92 100

91 158.6 129.2 193.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.64

200000

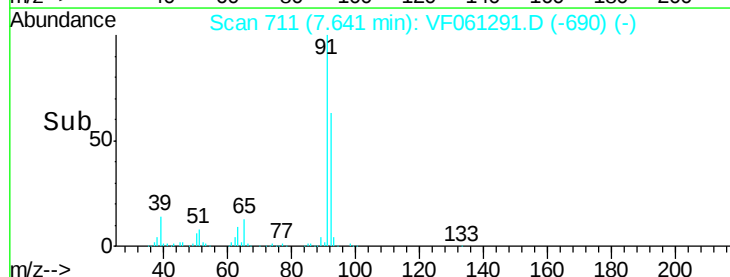
150000

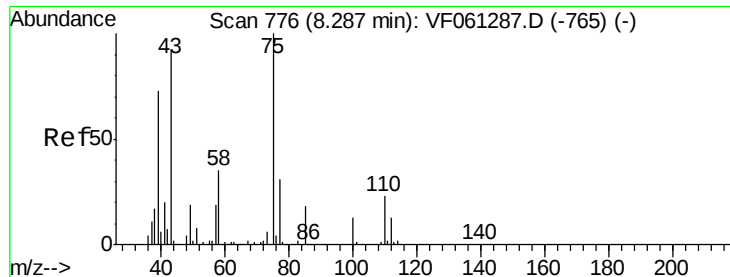
100000

50000

0

Time--> 7.50 7.60 7.70 7.80





#53

t-1,3-Dichloropropene

Concen: 42.794 ug/l

RT: 8.29 min Scan# 777

Delta R.T. 0.01 min

Lab File: VF061291.D

Acq: 8 Jan 2019 17:53

Instrument :

MSVOA_F

ClientSampleId :

ICVVF010819

Tot Ion: 75 Resp: 143059

Ion Ratio Lower Upper

75 100

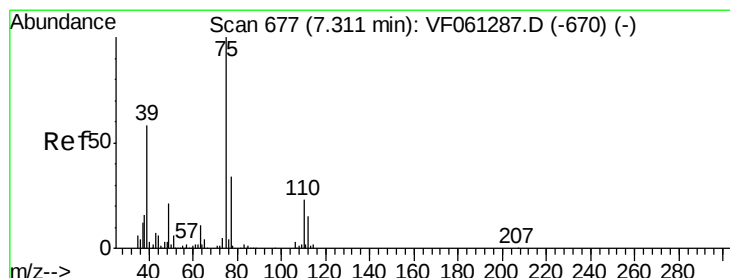
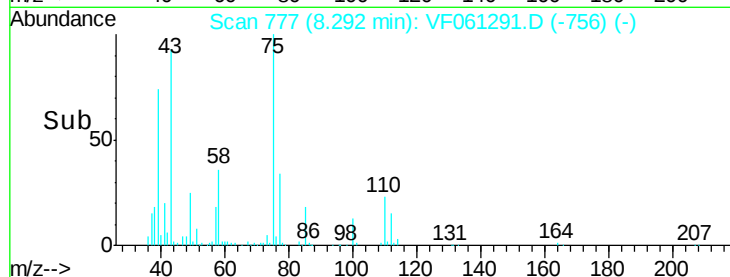
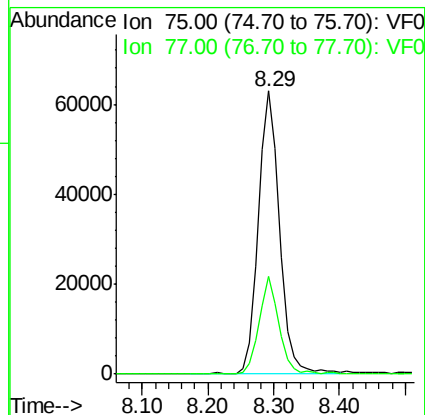
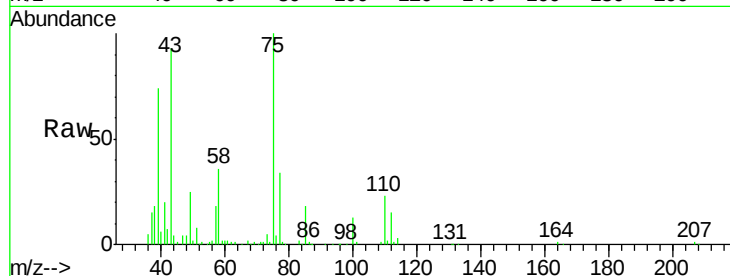
77 34.4 24.7 37.1

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 45.717 ug/l

RT: 7.32 min Scan# 678

Delta R.T. 0.00 min

Lab File: VF061291.D

Acq: 8 Jan 2019 17:53

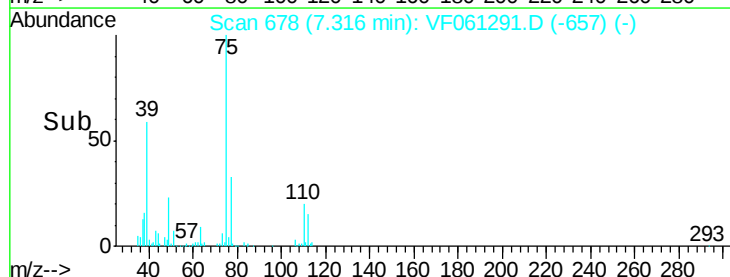
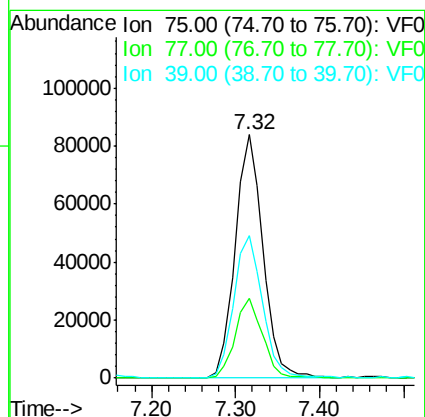
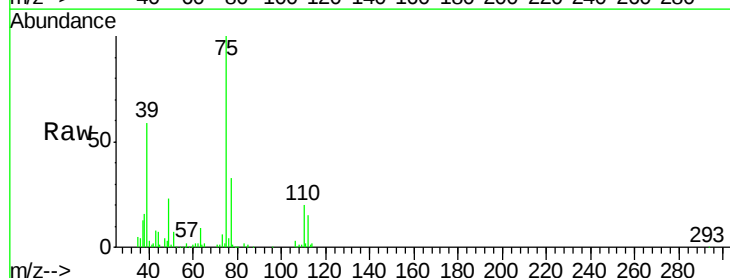
Tgt Ion: 75 Resp: 194244

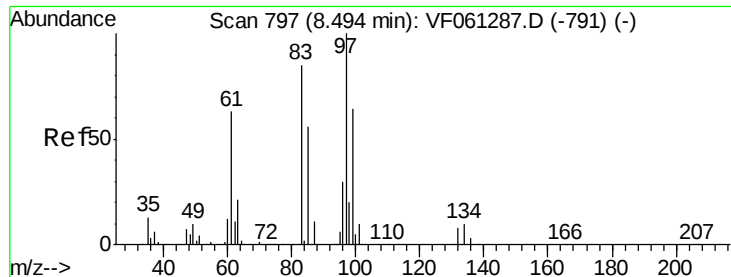
Ion Ratio Lower Upper

75 100

77 32.9 27.3 40.9

39 58.7 46.3 69.5





#55

1,1,2-Trichloroethane

Concen: 47.545 ug/l

RT: 8.51 min Scan# 799

Delta R.T. 0.01 min

Lab File: VF061291.D

Acq: 8 Jan 2019 17:53

Instrument :

MSVOA_F

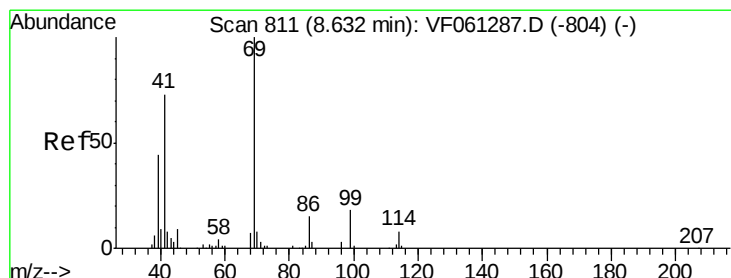
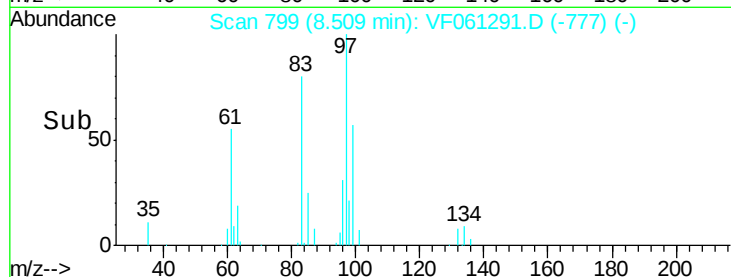
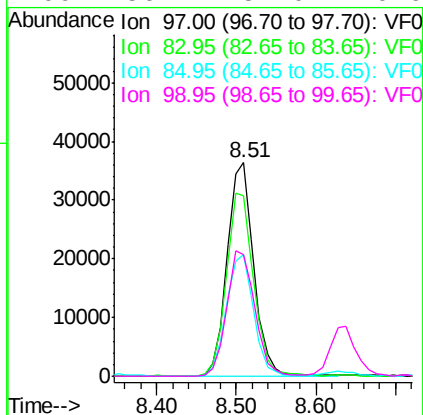
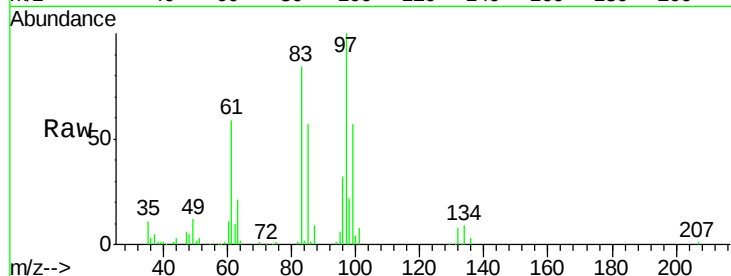
ClientSampleId :

ICVVF010819

Tot Ion:	97	Resp:	85613
Ion	Ratio	Lower	Upper
97	100		
83	84.4	67.8	101.6
85	57.0	45.1	67.7
99	56.7	51.0	76.6

Manual Integrations
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#56

Ethyl methacrylate

Concen: 48.560 ug/l

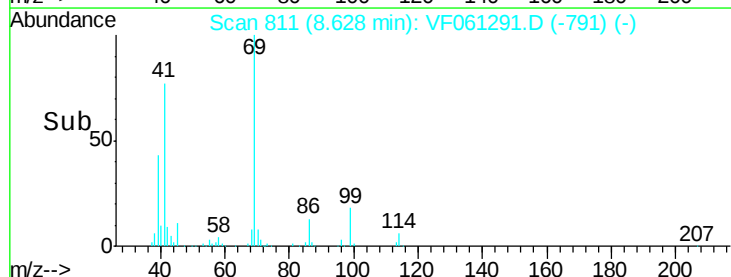
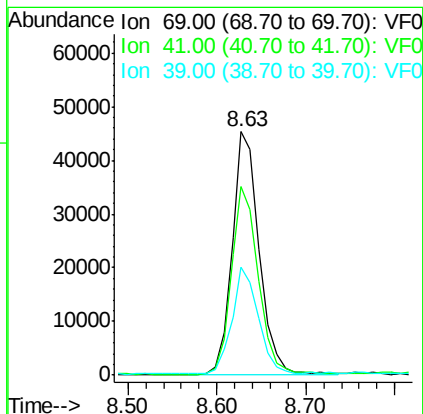
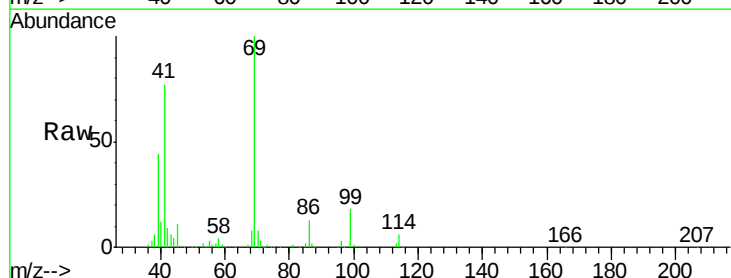
RT: 8.63 min Scan# 811

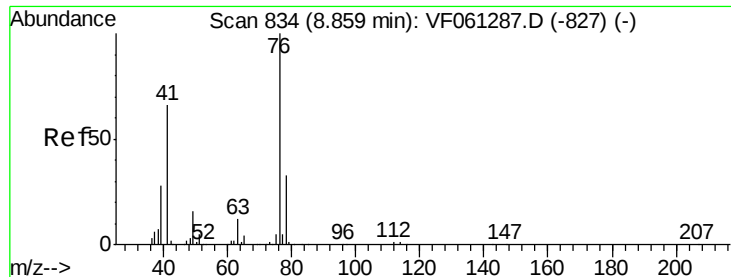
Delta R.T. -0.00 min

Lab File: VF061291.D

Acq: 8 Jan 2019 17:53

Tgt Ion:	69	Resp:	96638
Ion	Ratio	Lower	Upper
69	100		
41	77.5	59.0	88.4
39	44.3	35.3	52.9





#57

1,3-Dichloropropane

Concen: 45.224 ug/l

RT: 8.86 min Scan# 835

Delta R.T. 0.00 min

Lab File: VF061291.D

Acq: 8 Jan 2019 17:53

Instrument :

MSVOA_F

ClientSampleId :

ICVVF010819

Tot Ion: 76 Resp: 153079

Ion Ratio Lower Upper

76 100

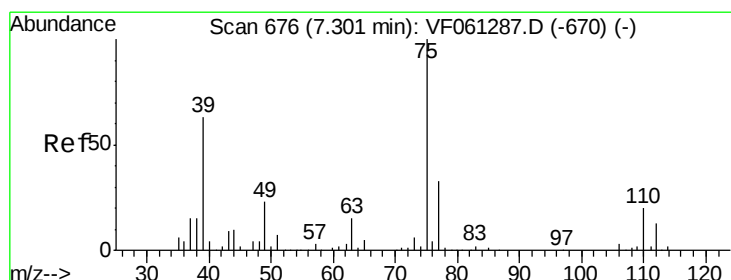
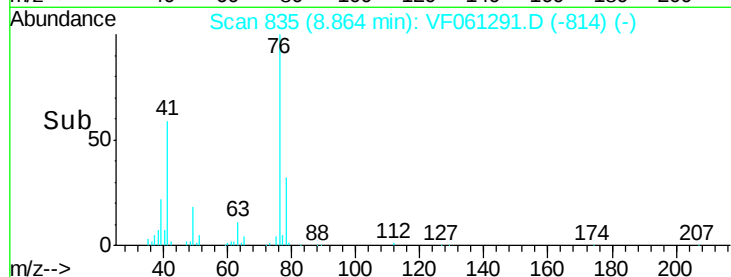
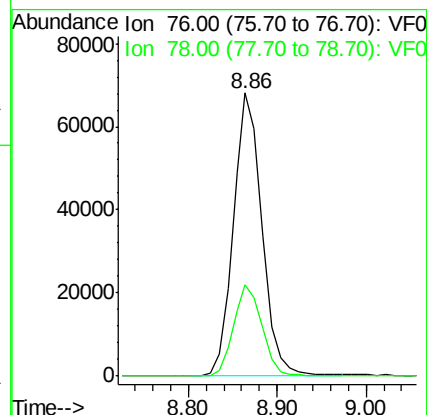
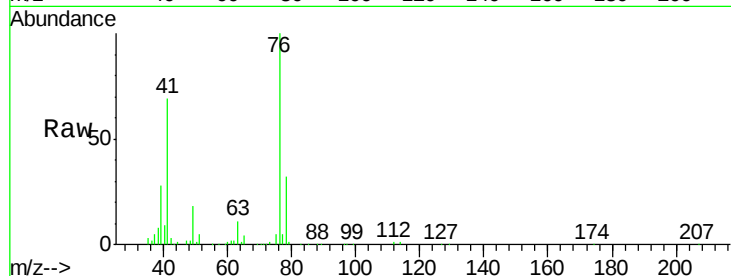
78 32.4 26.8 40.2

Manual Integrations

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1/9/2019 11:45:15 AM



#58

2-Chloroethyl Vinyl ether

Concen: 77.246 ug/l

RT: 7.31 min Scan# 677

Delta R.T. 0.00 min

Lab File: VF061291.D

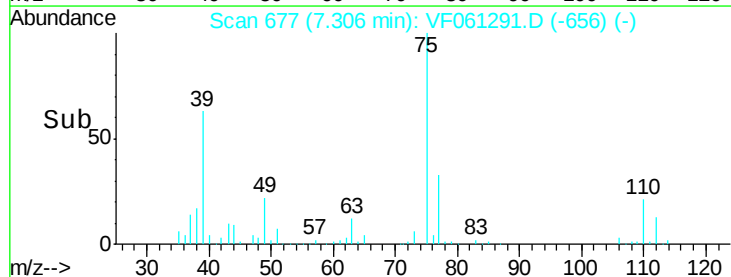
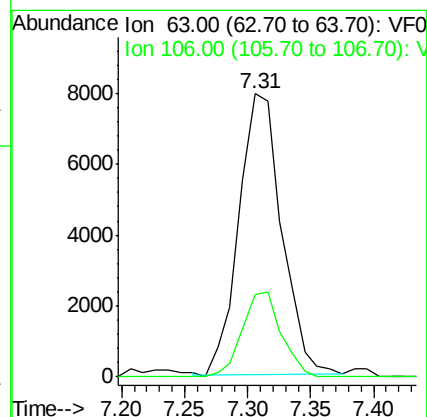
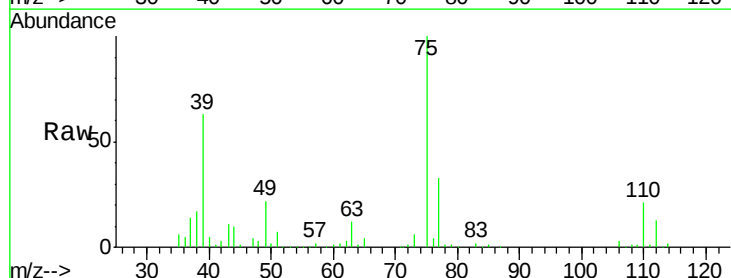
Acq: 8 Jan 2019 17:53

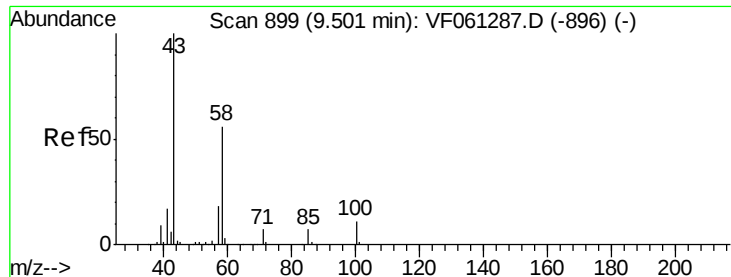
Tgt Ion: 63 Resp: 18668

Ion Ratio Lower Upper

63 100

106 29.3 16.5 24.7#





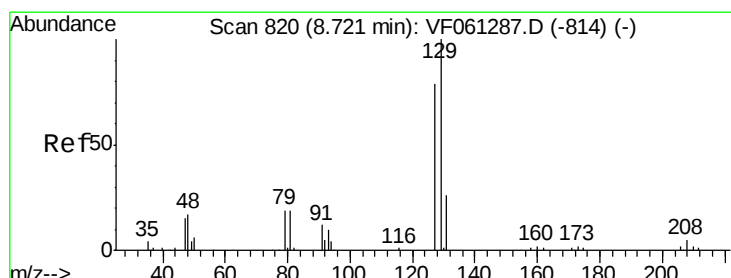
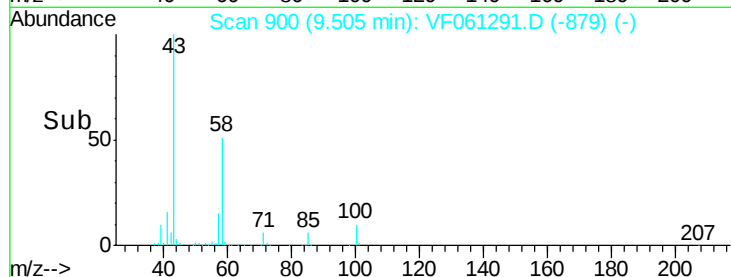
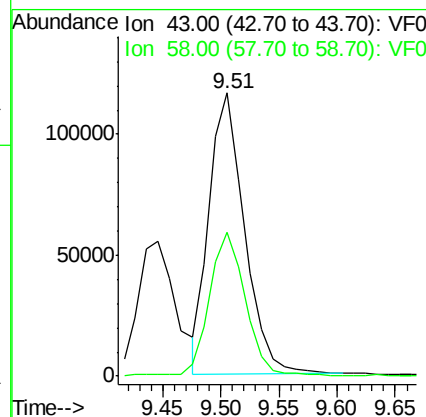
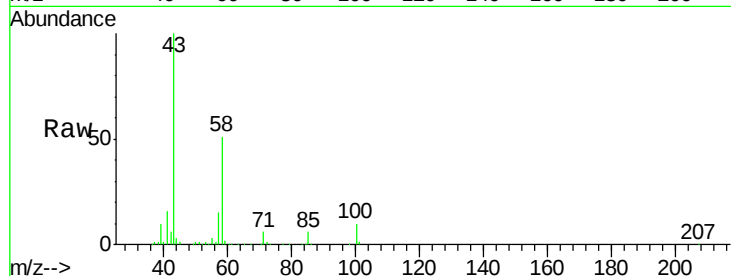
#59
2-Hexanone
Concen: 216.573 ug/l
RT: 9.51 min Scan# 900
Delta R.T. 0.00 min
Lab File: VF061291.D
Acq: 8 Jan 2019 17:53

Instrument :
MSVOA_F
ClientSampleId :
ICVVF010819

Tot Ion: 43 Resp: 245134
Ion Ratio Lower Upper
43 100
58 50.7 25.6 76.8

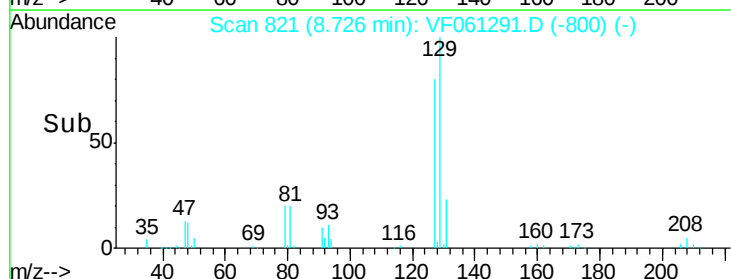
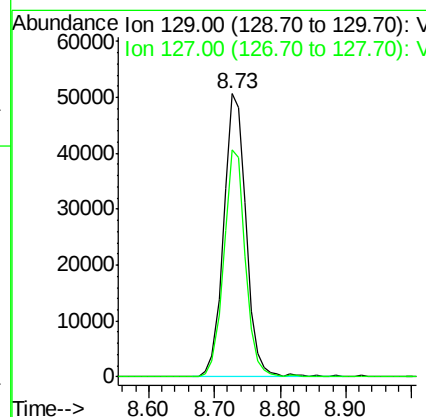
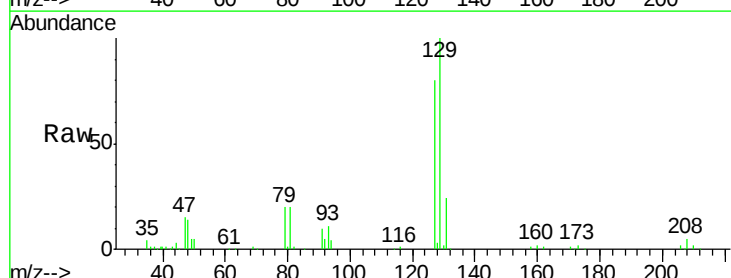
Manual Integrations
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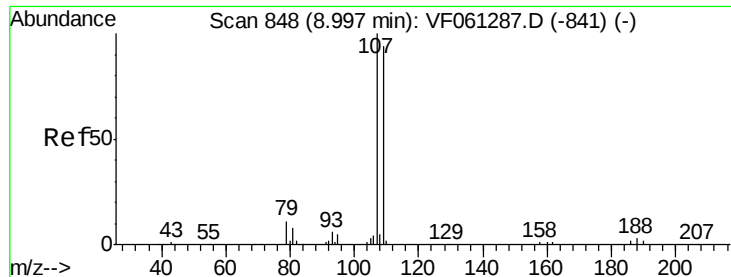
MMDadoda
1/9/2019 11:45:15 AM



#60
Dibromochloromethane
Concen: 47.051 ug/l
RT: 8.73 min Scan# 821
Delta R.T. 0.00 min
Lab File: VF061291.D
Acq: 8 Jan 2019 17:53

Tgt Ion: 129 Resp: 120345
Ion Ratio Lower Upper
129 100
127 80.4 39.4 118.1





#61

1,2-Dibromoethane

Concen: 43.662 ug/l

RT: 9.00 min Scan# 849

Delta R.T. 0.00 min

Lab File: VF061291.D

Acq: 8 Jan 2019 17:53

Instrument :

MSVOA_F

ClientSampleId :

ICVVF010819

Tot Ion:107 Resp: 84852

Ion Ratio Lower Upper

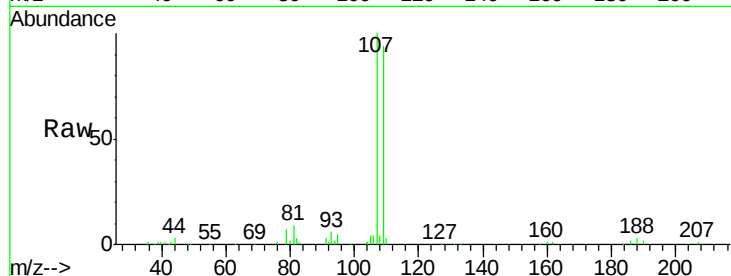
107 100

109 94.4 75.1 112.7

Manual Integrations
APPROVED

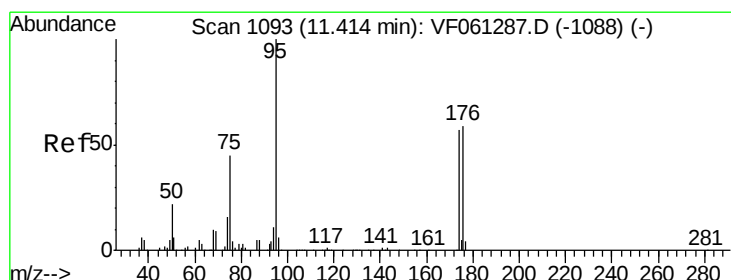
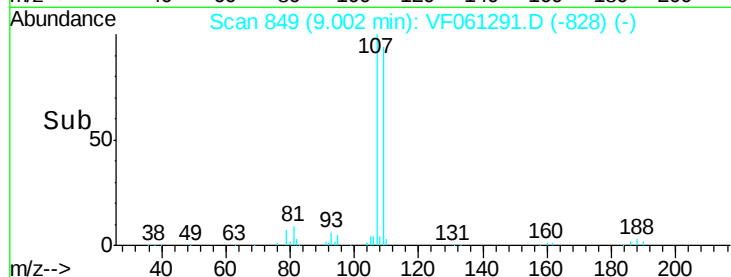
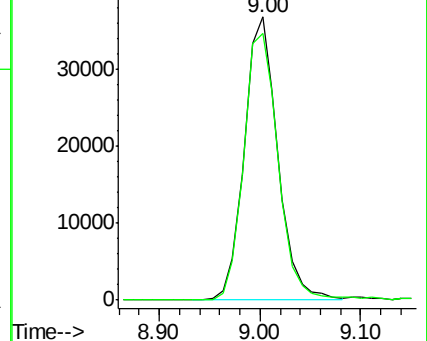
MMDadoda

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 45.266 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF061291.D

Acq: 8 Jan 2019 17:53

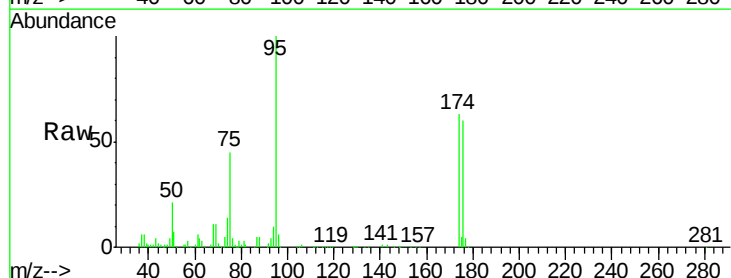
Tgt Ion: 95 Resp: 164283

Ion Ratio Lower Upper

95 100

174 63.2 0.0 114.2

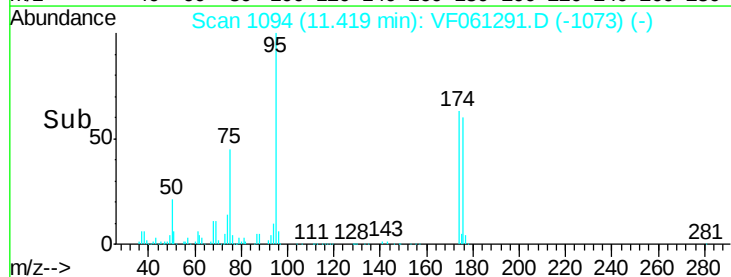
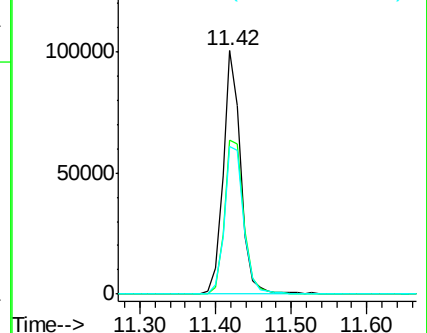
176 60.5 0.0 117.8

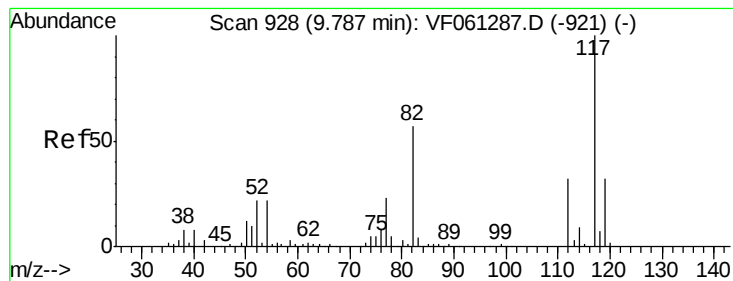


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.79 min Scan# 929

Delta R.T. 0.01 min

Lab File: VF061291.D

Acq: 8 Jan 2019 17:53

Instrument :

MSVOA_F

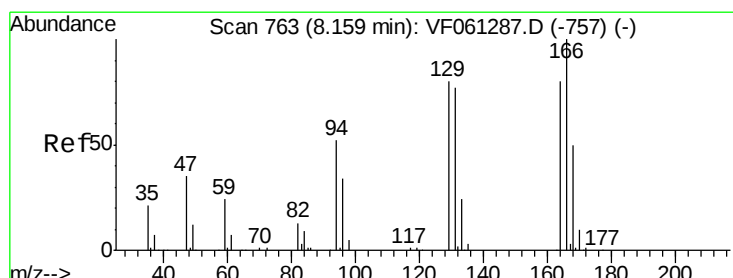
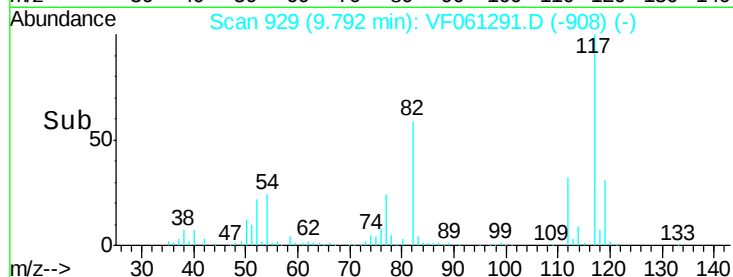
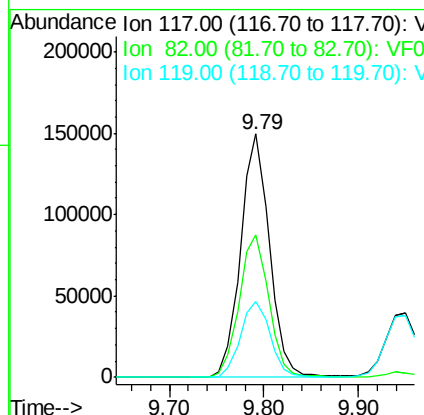
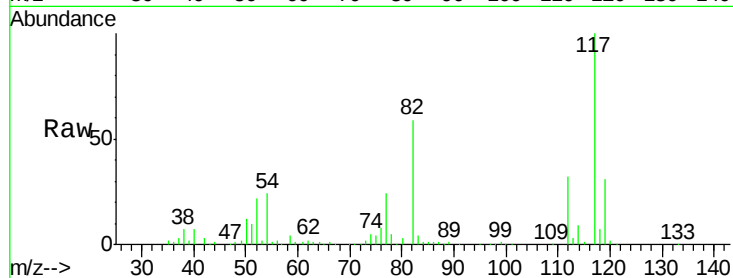
ClientSampleId :

ICVVF010819

Tot Ion:	117	Resp:	316352
Ion Ratio	Lower	Upper	
117	100		
82	58.7	45.3	67.9
119	31.4	25.4	38.0

Manual Integrations
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#64

Tetrachloroethene

Concen: 48.679 ug/l

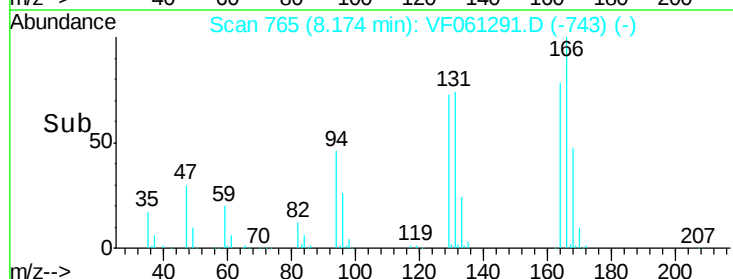
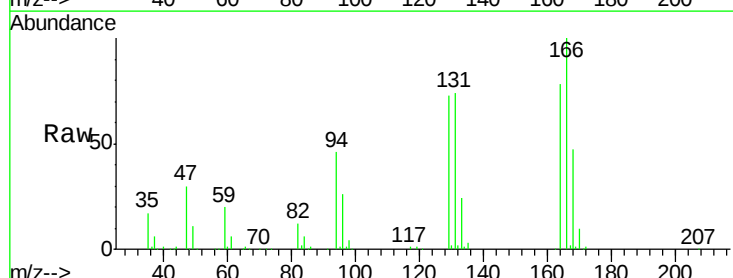
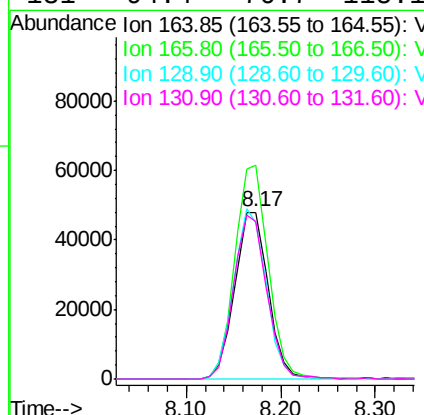
RT: 8.17 min Scan# 765

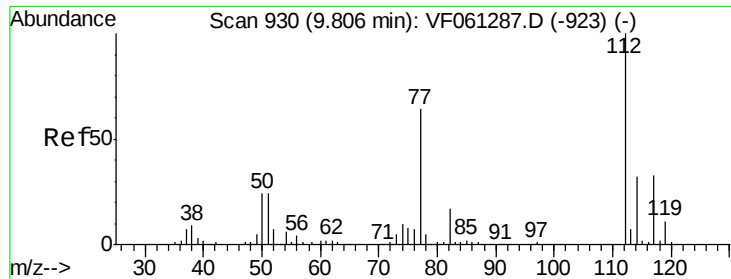
Delta R.T. 0.01 min

Lab File: VF061291.D

Acq: 8 Jan 2019 17:53

Tgt Ion:	164	Resp:	118016
Ion Ratio	Lower	Upper	
164	100		
166	127.9	100.1	150.1
129	93.1	80.1	120.1
131	94.4	76.7	115.1





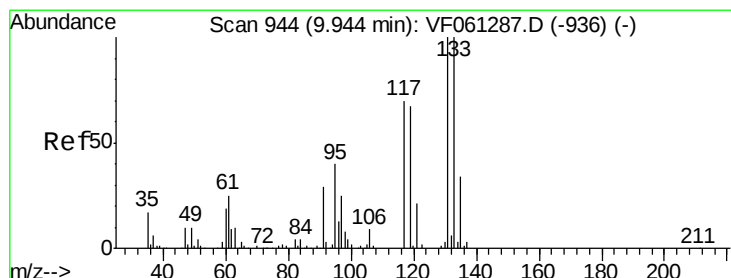
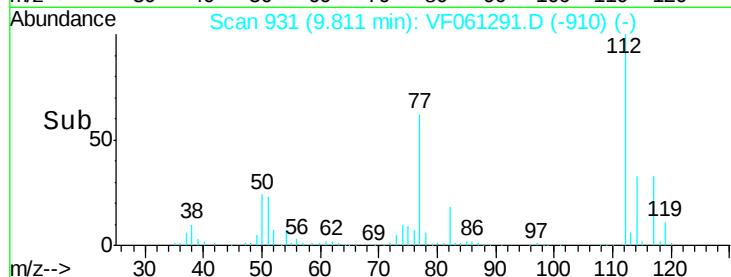
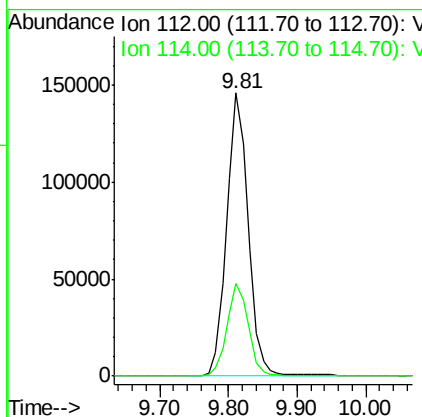
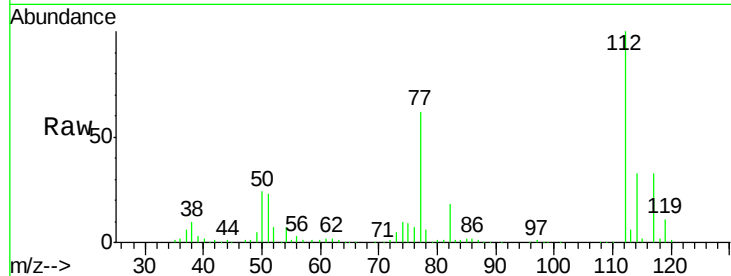
#65
Chlorobenzene
Concen: 49.283 ug/l
RT: 9.81 min Scan# 931
Delta R.T. 0.01 min
Lab File: VF061291.D
Acq: 8 Jan 2019 17:53

Instrument :
MSVOA_F
ClientSampleId :
ICVVF010819

Tot Ion:112 Resp: 317027
Ion Ratio Lower Upper
112 100
114 32.9 25.8 38.8

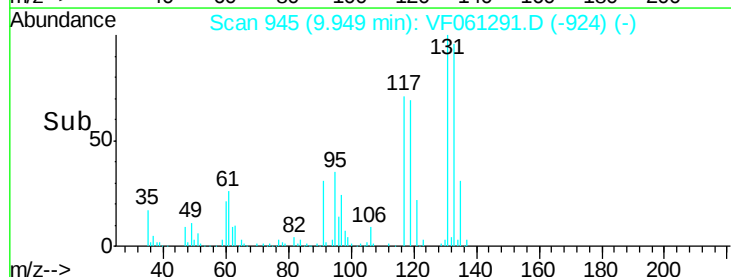
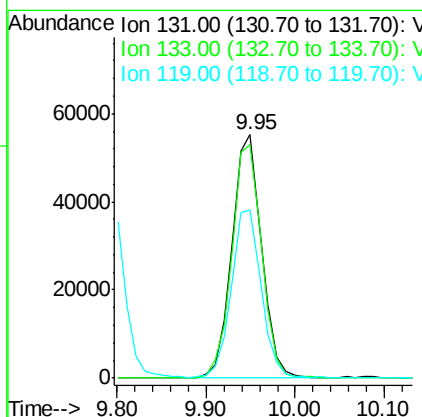
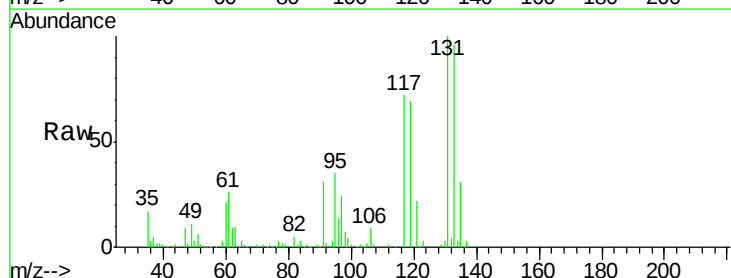
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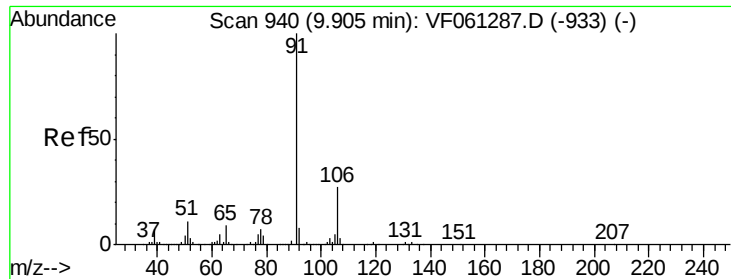
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.567 ug/l
RT: 9.95 min Scan# 945
Delta R.T. 0.00 min
Lab File: VF061291.D
Acq: 8 Jan 2019 17:53

Tgt Ion:131 Resp: 128301
Ion Ratio Lower Upper
131 100
133 95.8 49.9 149.6
119 68.9 33.9 101.6





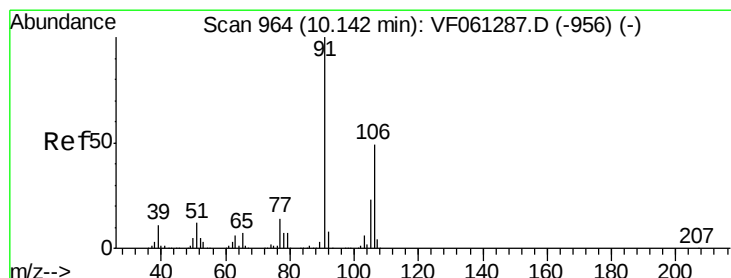
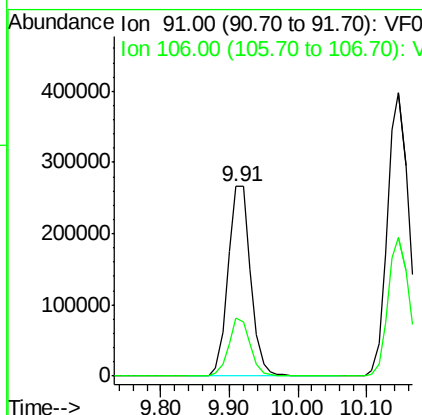
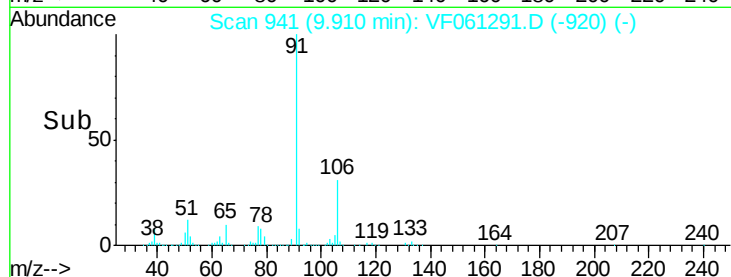
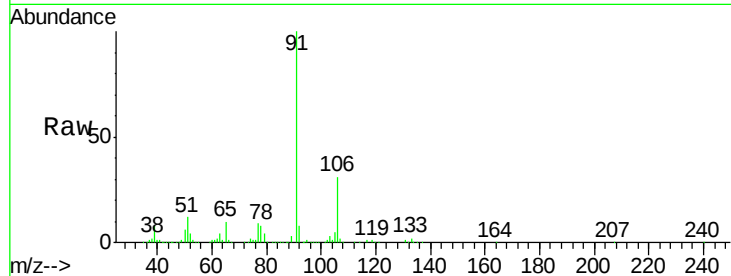
#67
Ethyl Benzene
Concen: 51.318 ug/l
RT: 9.91 min Scan# 941
Delta R.T. 0.00 min
Lab File: VF061291.D
Acq: 8 Jan 2019 17:53

Instrument :
MSVOA_F
ClientSampleId :
ICVVF010819

Tot Ion: 91 Resp: 606845
Ion Ratio Lower Upper
91 100
106 30.6 21.4 32.2

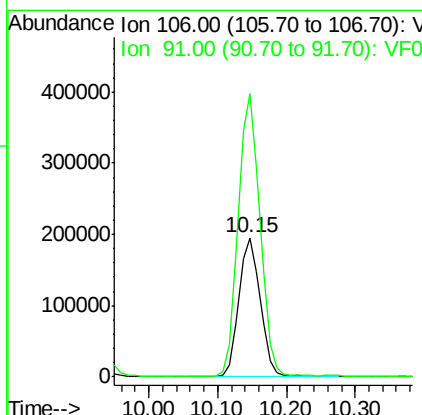
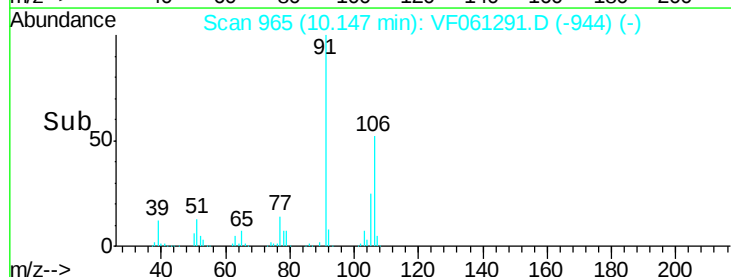
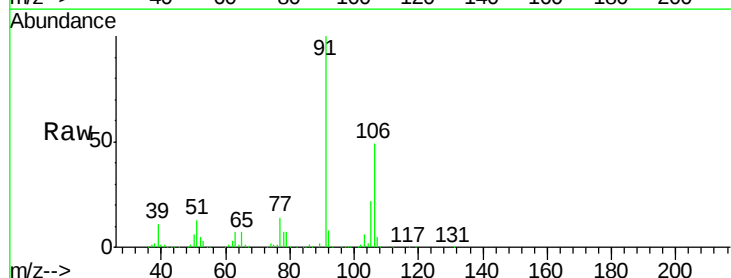
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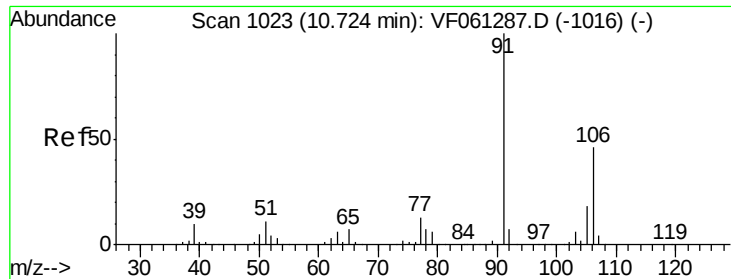
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#68
m/p-Xylenes
Concen: 97.657 ug/l
RT: 10.15 min Scan# 965
Delta R.T. 0.00 min
Lab File: VF061291.D
Acq: 8 Jan 2019 17:53

Tgt Ion: 106 Resp: 421442
Ion Ratio Lower Upper
106 100
91 203.6 165.0 247.6





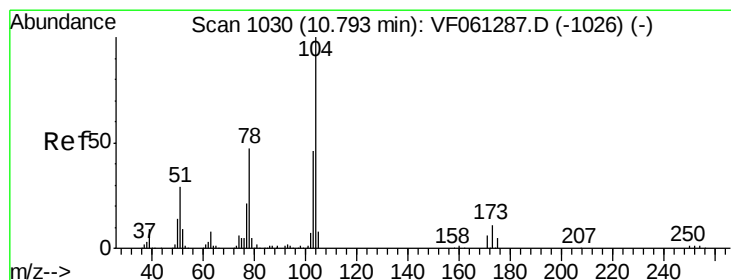
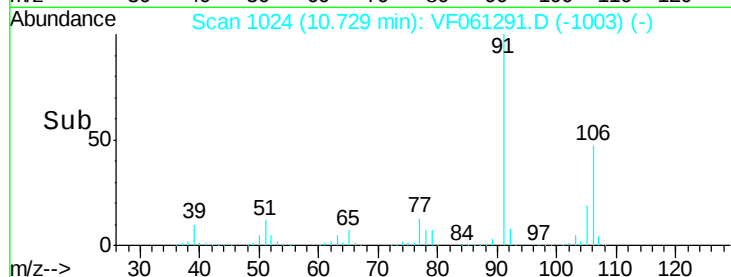
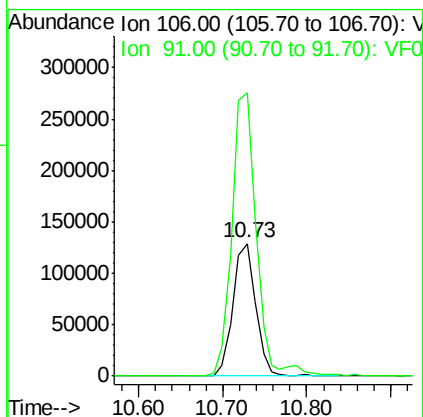
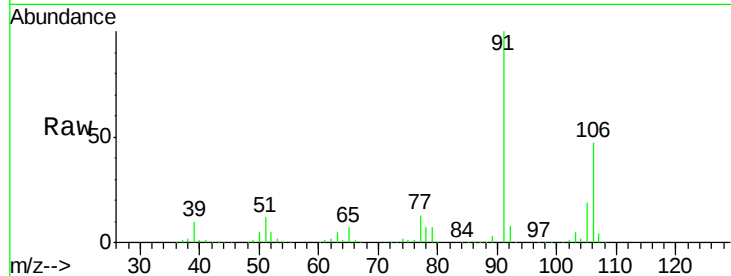
#69
o-Xylene
Concen: 52.378 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. 0.00 min
Lab File: VF061291.D
Acq: 8 Jan 2019 17:53

Instrument :
MSVOA_F
ClientSampleId :
ICVVF010819

Tot Ion:106 Resp: 244522
Ion Ratio Lower Upper
106 100
91 213.8 108.1 324.4

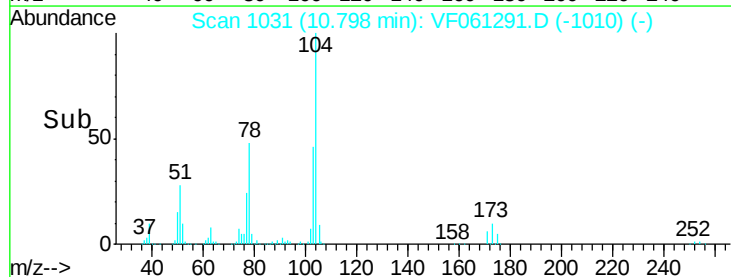
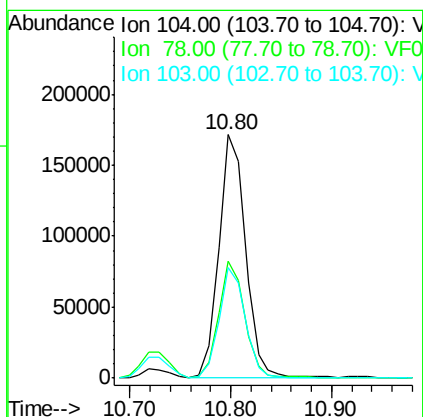
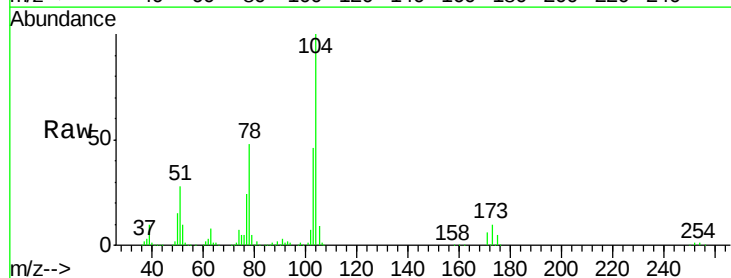
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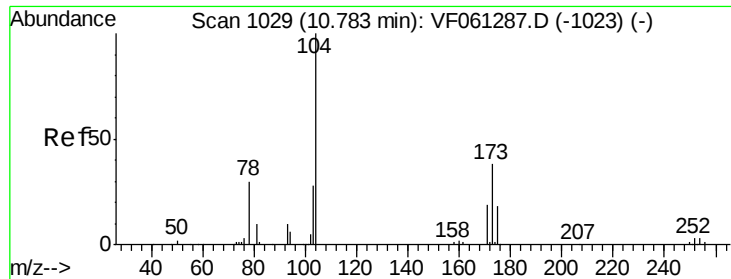
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#70
Styrene
Concen: 49.280 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VF061291.D
Acq: 8 Jan 2019 17:53

Tgt Ion:104 Resp: 316705
Ion Ratio Lower Upper
104 100
78 47.9 38.0 57.0
103 45.6 36.7 55.1





#71

Bromoform

Concen: 44.742 ug/l

RT: 10.79 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VF061291.D

Acq: 8 Jan 2019 17:53

Instrument :

MSVOA_F

ClientSampleId :

ICVVF010819

Tot Ion:173 Resp: 55029

Ion Ratio Lower Upper

173 100

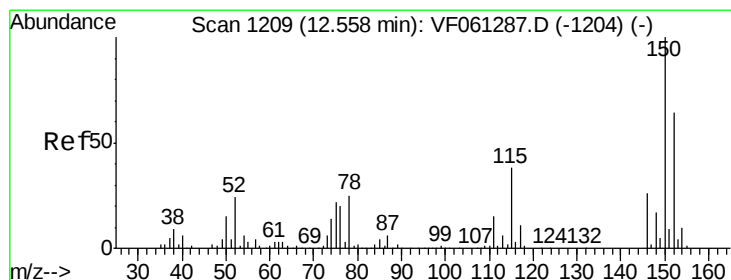
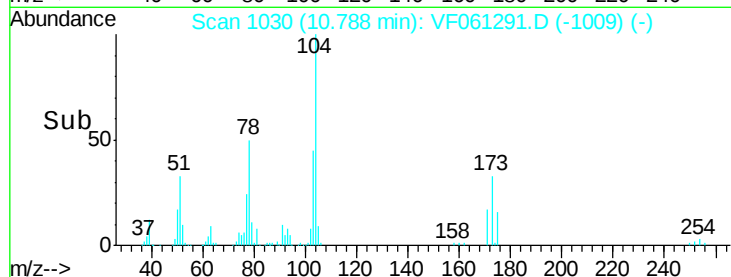
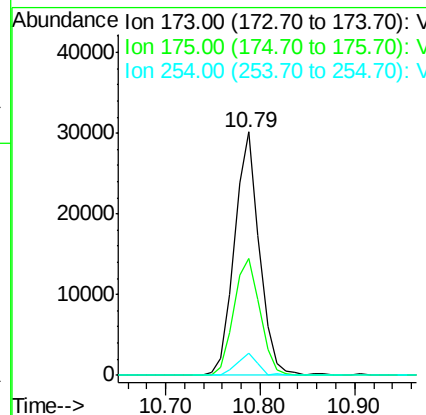
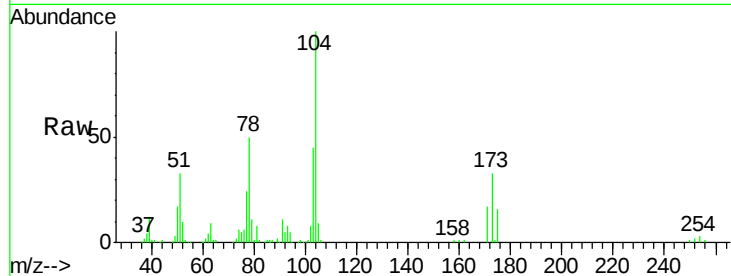
175 47.9 24.1 72.2

254 9.0 0.0 0.0#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. 0.00 min

Lab File: VF061291.D

Acq: 8 Jan 2019 17:53

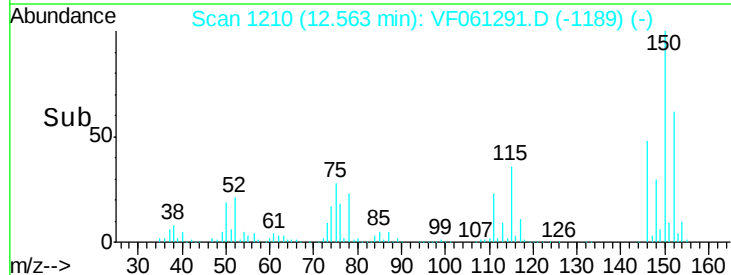
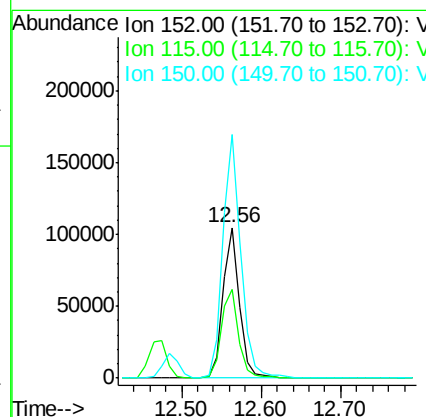
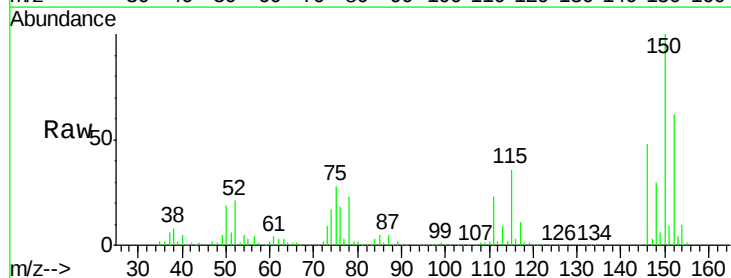
Tgt Ion:152 Resp: 154821

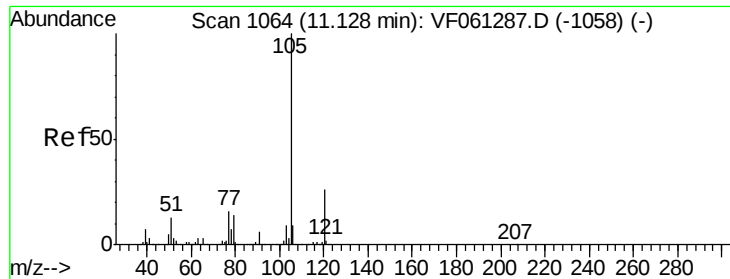
Ion Ratio Lower Upper

152 100

115 58.6 29.6 88.9

150 161.8 0.0 315.4





#73

Isopropylbenzene

Concen: 50.586 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VF061291.D

Acq: 8 Jan 2019 17:53

Instrument :

MSVOA_F

ClientSampleId :

ICVVF010819

Tot Ion: 105 Resp: 665266

Ion Ratio Lower Upper

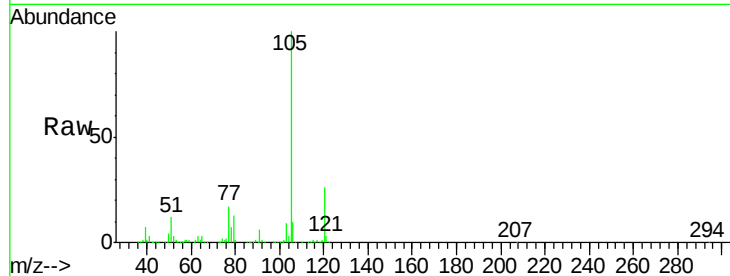
105 100

120 25.5 12.9 38.7

Manual Integrations
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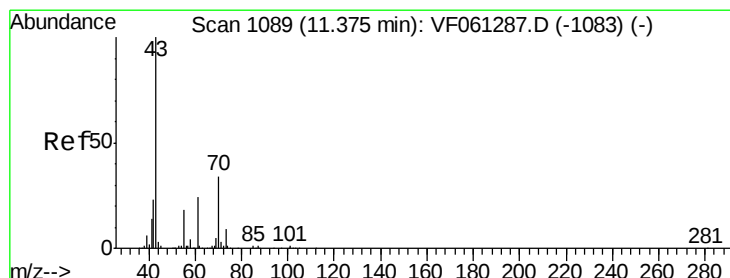
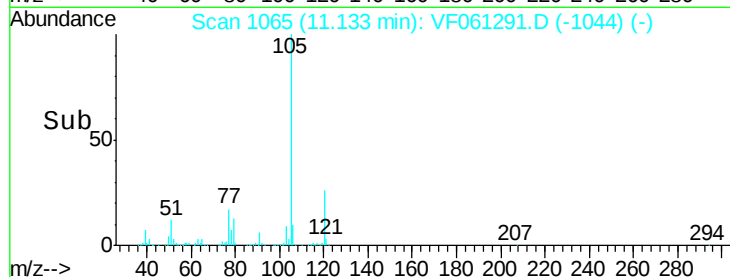
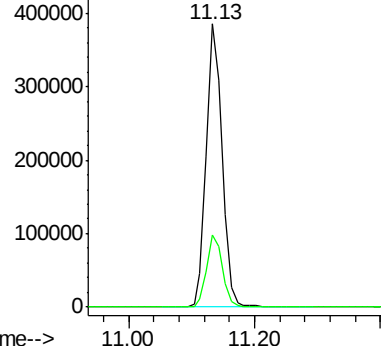
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.254 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VF061291.D

Acq: 8 Jan 2019 17:53

Tgt Ion: 43 Resp: 156894

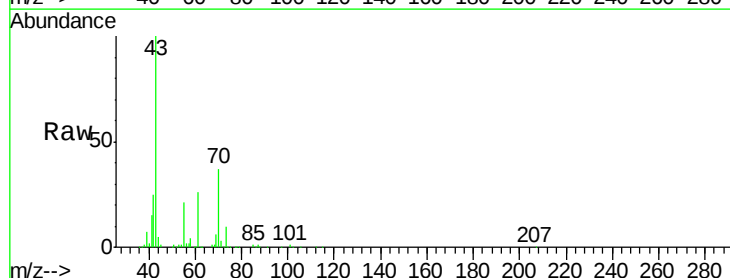
Ion Ratio Lower Upper

43 100

70 37.2 27.4 41.0

55 20.7 14.7 22.1

61 25.9 19.0 28.4

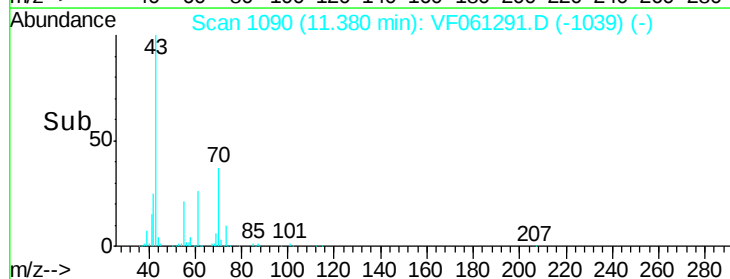
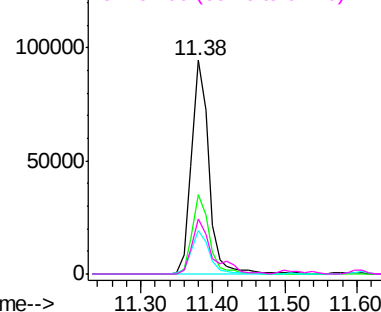


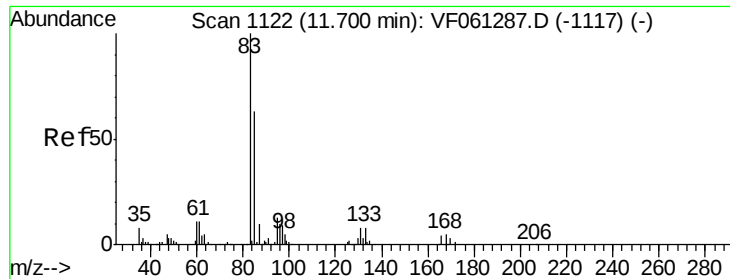
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 49.994 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VF061291.D

Acq: 8 Jan 2019 17:53

Instrument :

MSVOA_F

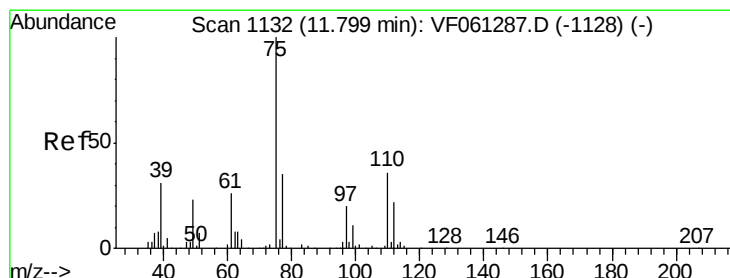
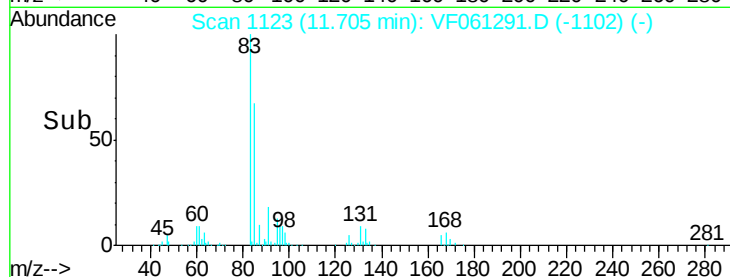
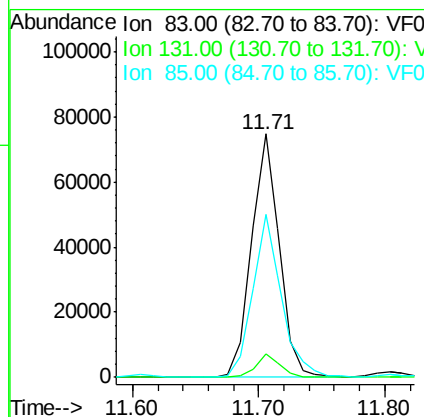
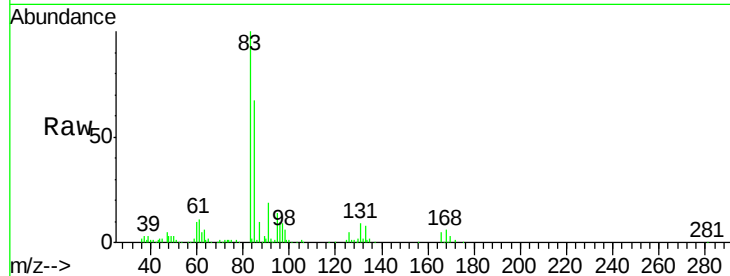
ClientSampleId :

ICVVF010819

Tot Ion:	83	Resp:	114841
Ion Ratio	Lower	Upper	
83	100		
131	9.4	3.9	11.7
85	66.8	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.309 ug/l

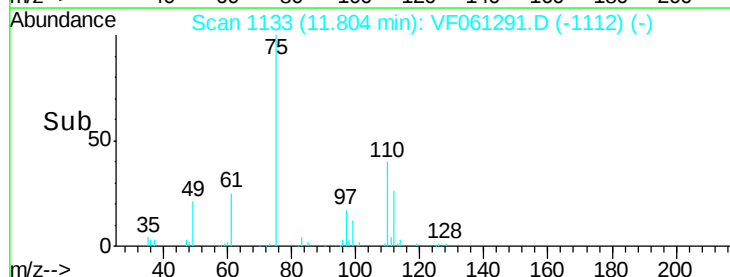
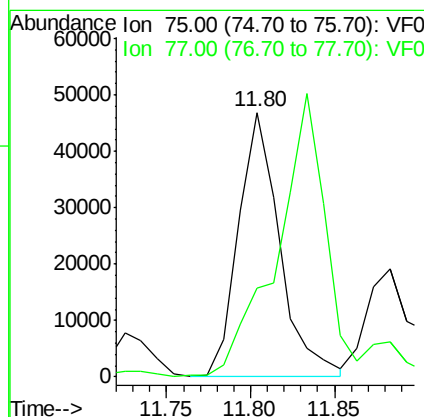
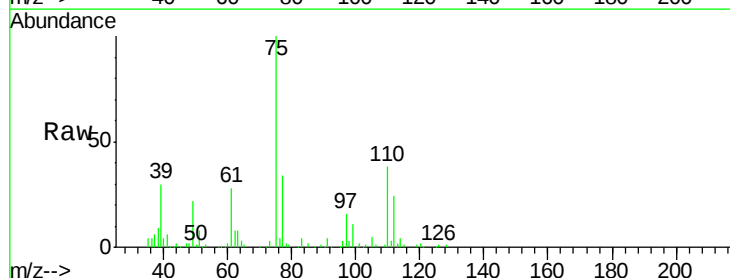
RT: 11.80 min Scan# 1133

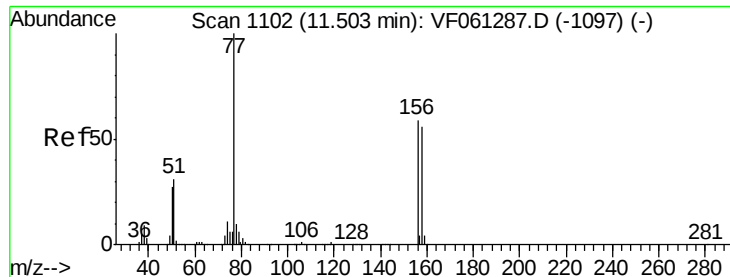
Delta R.T. 0.00 min

Lab File: VF061291.D

Acq: 8 Jan 2019 17:53

Tgt Ion:	75	Resp:	78969
Ion Ratio	Lower	Upper	
75	100		
77	33.8	17.5	52.5





#77

Bromobenzene

Concen: 50.055 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VF061291.D

Acq: 8 Jan 2019 17:53

Instrument :

MSVOA_F

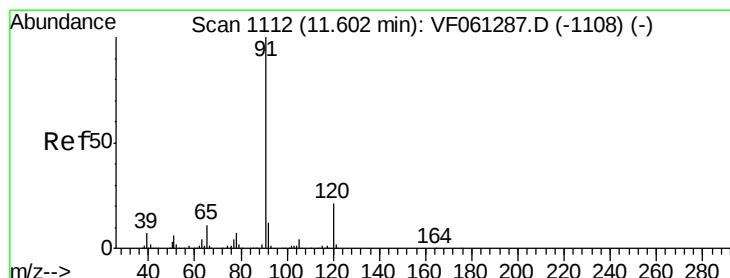
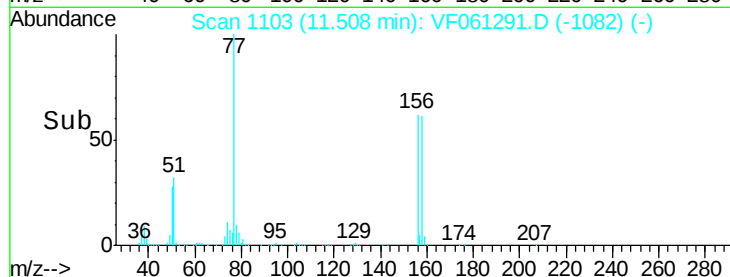
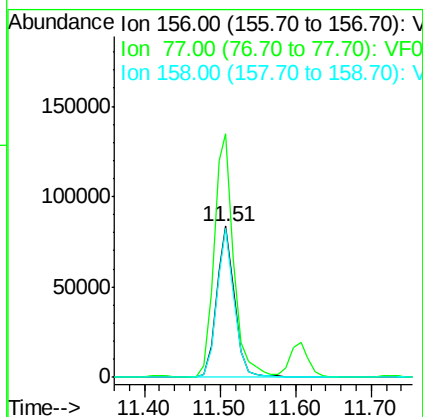
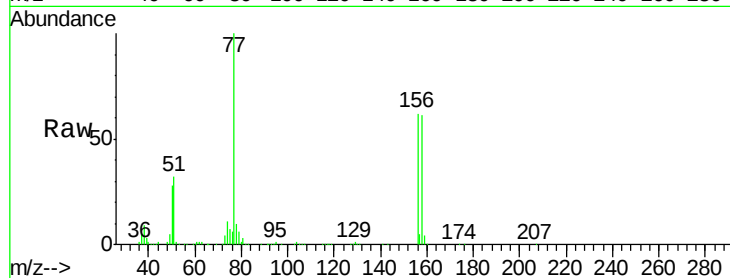
ClientSampleId :

ICVVF010819

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	161.4		84.3	252.9	
158	98.9		47.1	141.3	

Manual Integrations
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#78

n-propylbenzene

Concen: 50.317 ug/l

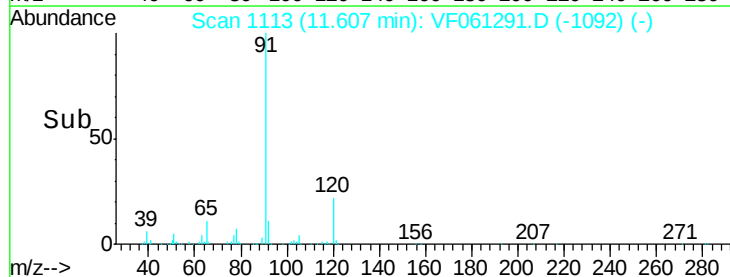
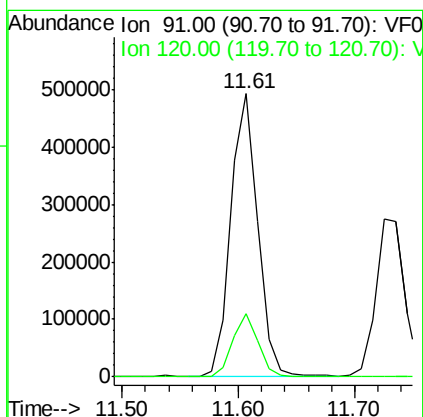
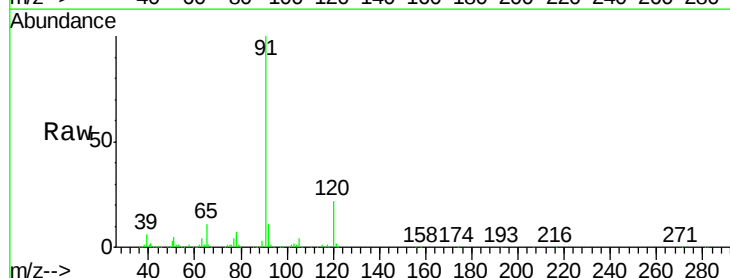
RT: 11.61 min Scan# 1113

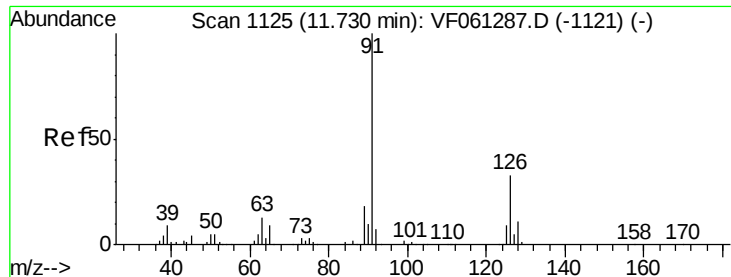
Delta R.T. 0.00 min

Lab File: VF061291.D

Acq: 8 Jan 2019 17:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	22.3		10.7	32.1	





#79

2-Chlorotoluene

Concen: 51.754 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. -0.00 min

Lab File: VF061291.D

Acq: 8 Jan 2019 17:53

Instrument :

MSVOA_F

ClientSampleId :

ICVVF010819

Tot Ion: 91 Resp: 468526

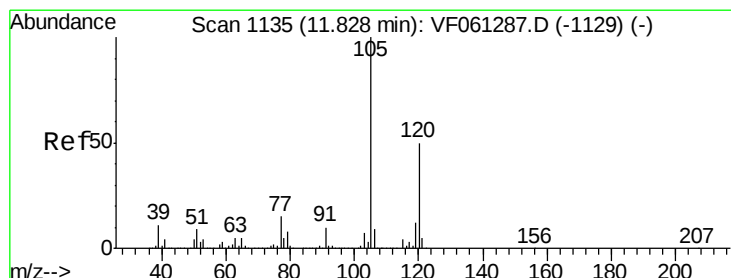
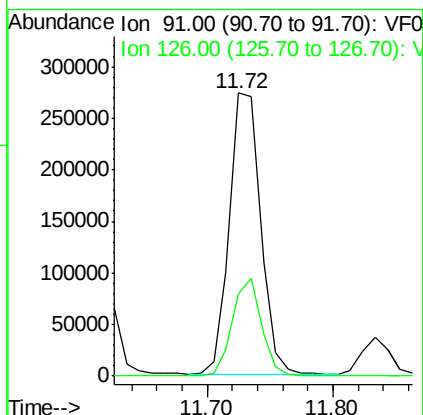
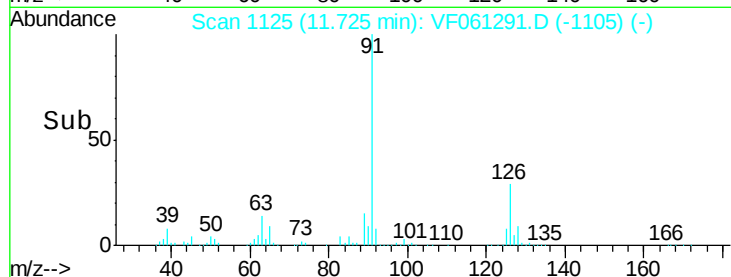
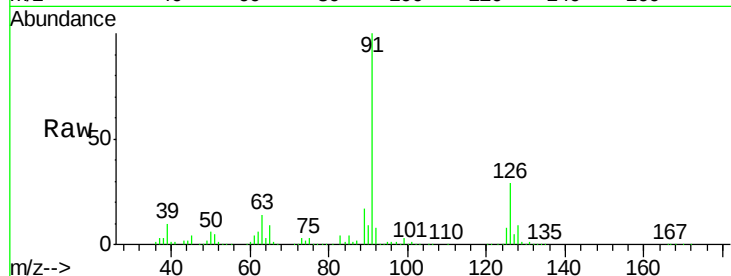
Ion Ratio Lower Upper

91 100

126 29.3 16.6 49.8

Manual Integrations
APPROVED

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#80

1,3,5-Trimethylbenzene

Concen: 50.612 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VF061291.D

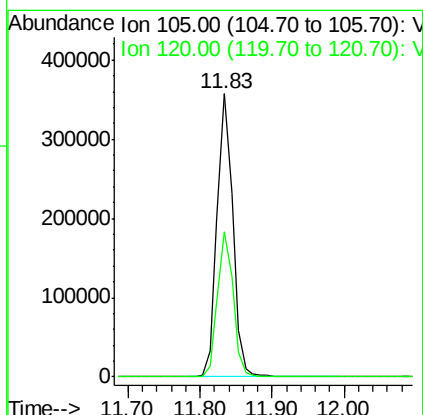
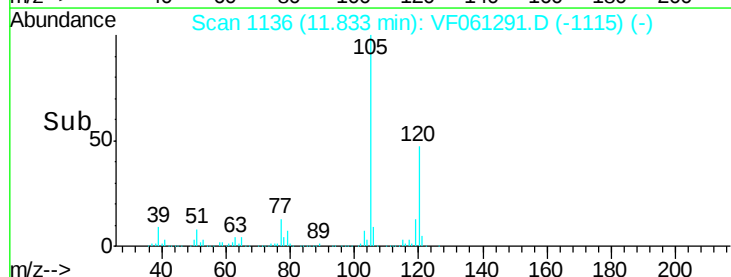
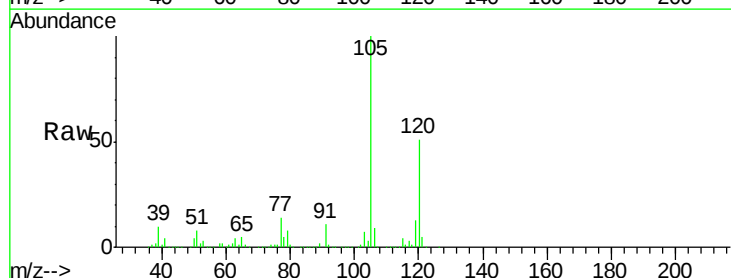
Acq: 8 Jan 2019 17:53

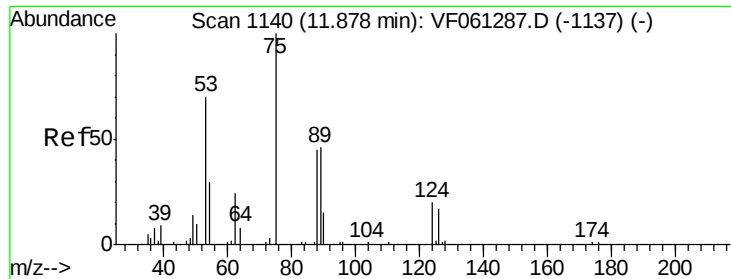
Tgt Ion: 105 Resp: 537345

Ion Ratio Lower Upper

105 100

120 51.2 25.2 75.6





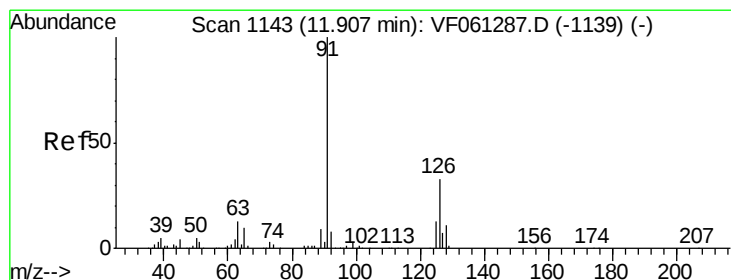
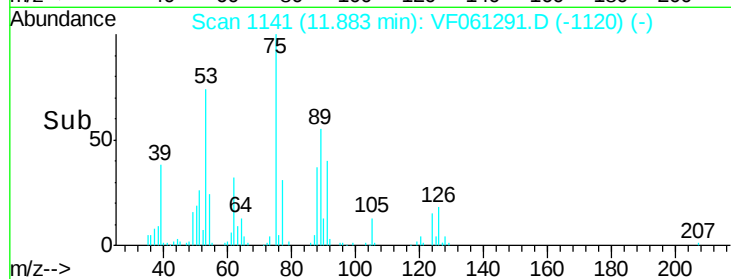
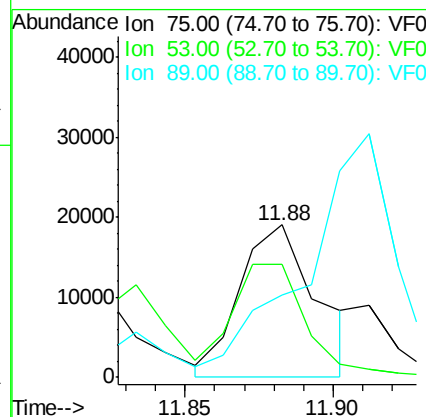
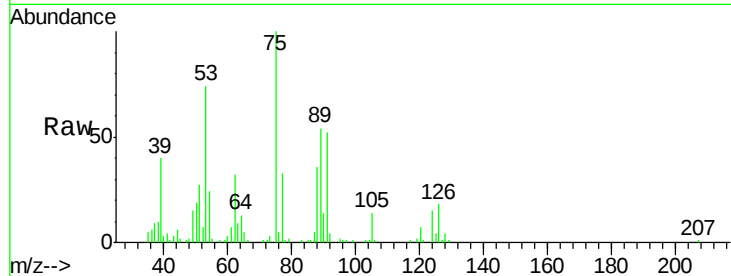
#81
trans-1,4-Dichloro-2-butene
Concen: 44.146 ug/l m
RT: 11.88 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VF061291.D
Acq: 8 Jan 2019 17:53

Instrument :
MSVOA_F
ClientSampleId :
ICVVF010819

Tot Ion	Ratio	Lower	Upper
75	100		
53	74.0	62.2	93.2
89	54.3	40.2	60.4

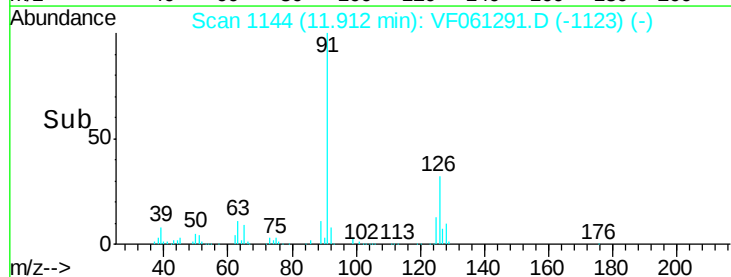
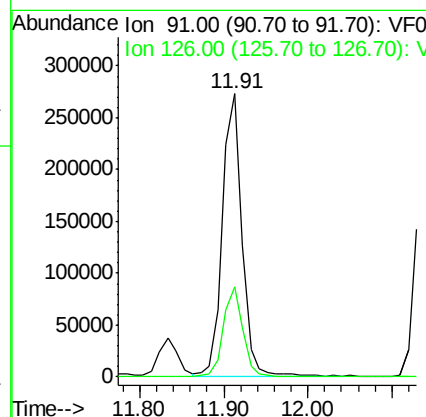
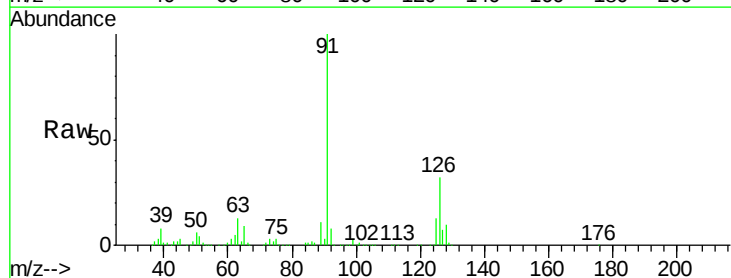
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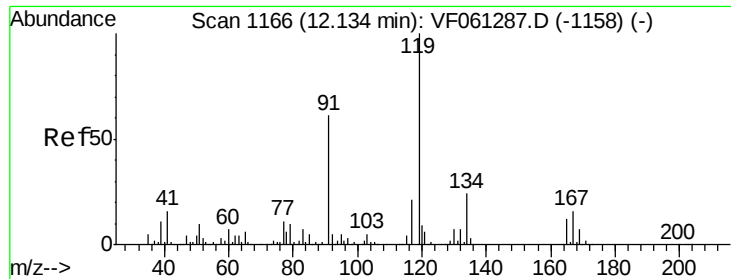
MMDadoda
1/9/2019 11:45:15 AM



#82
4-Chlorotoluene
Concen: 48.073 ug/l
RT: 11.91 min Scan# 1144
Delta R.T. 0.01 min
Lab File: VF061291.D
Acq: 8 Jan 2019 17:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.4	49.4





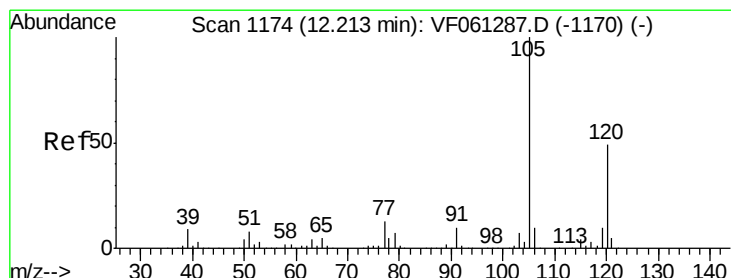
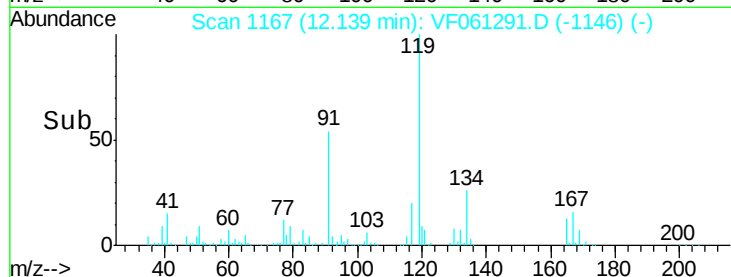
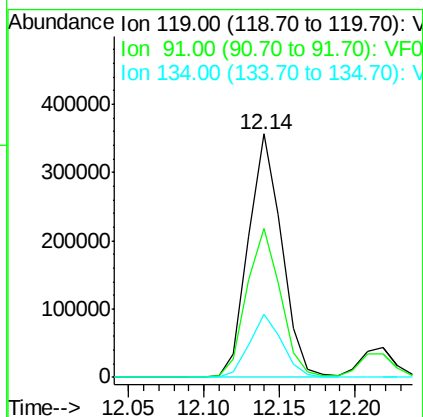
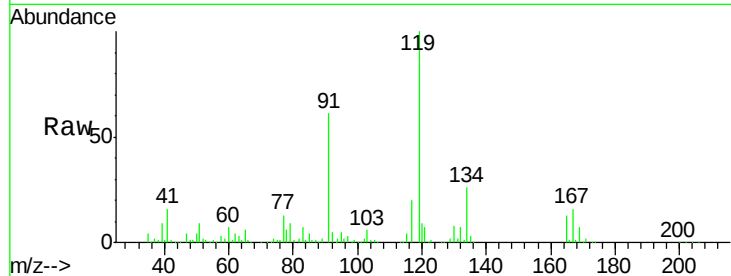
#83
tert-Butylbenzene
Concen: 50.310 ug/l
RT: 12.14 min Scan# 1167
Delta R.T. 0.01 min
Lab File: VF061291.D
Acq: 8 Jan 2019 17:53

Instrument :
MSVOA_F
ClientSampleId :
ICVVF010819

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.3	30.8	92.4
134	25.8	11.9	35.9

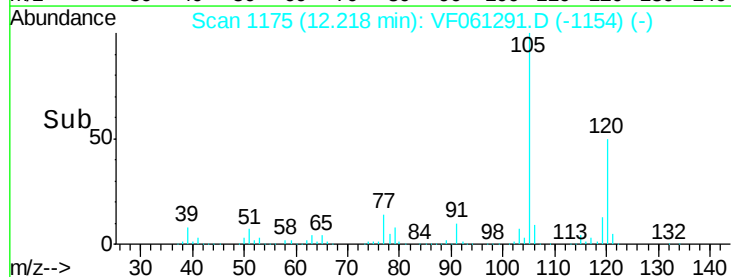
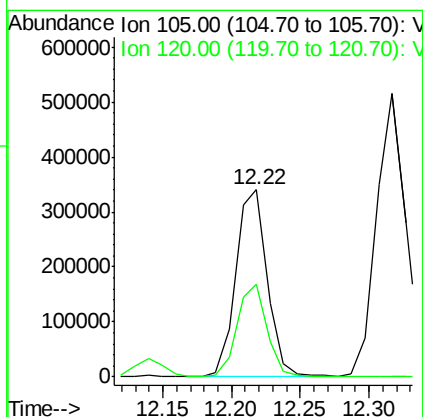
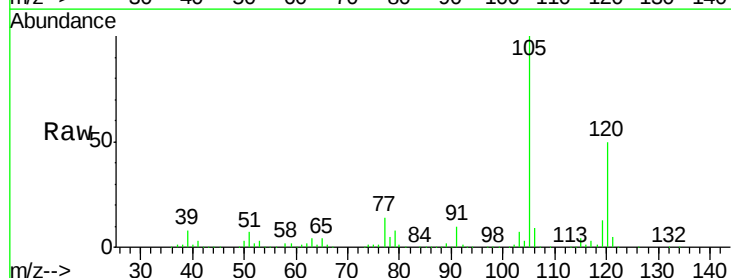
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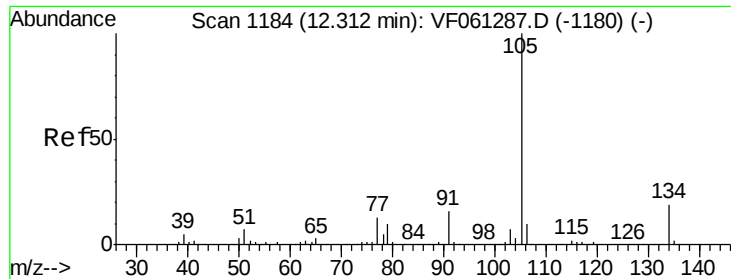
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 51.325 ug/l
RT: 12.22 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VF061291.D
Acq: 8 Jan 2019 17:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.9	24.7	74.1





#85

sec-Butylbenzene

Concen: 51.635 ug/l

RT: 12.32 min Scan# 1185

Delta R.T. 0.01 min

Lab File: VF061291.D

Acq: 8 Jan 2019 17:53

Instrument :

MSVOA_F

ClientSampleId :

ICVVF010819

Tot Ion:105 Resp: 766706

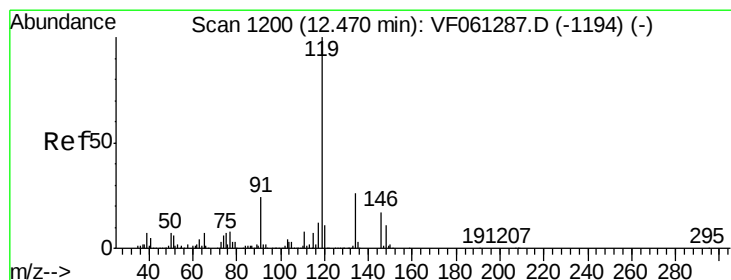
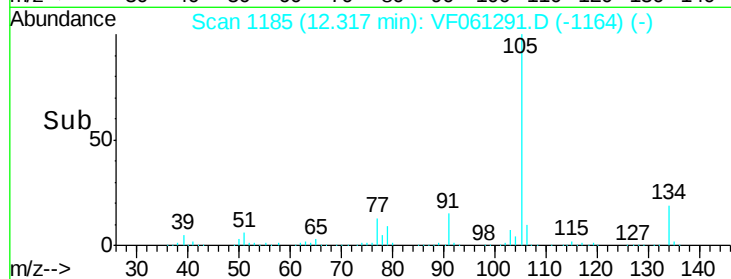
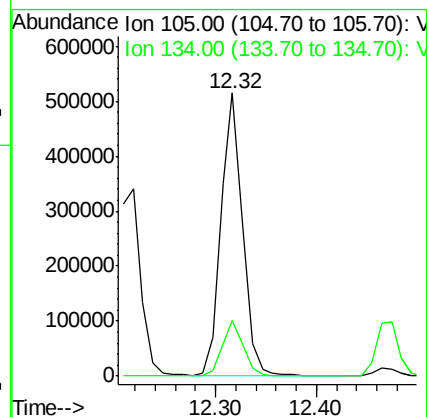
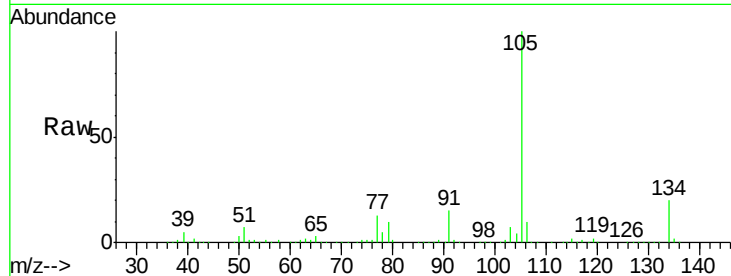
Ion Ratio Lower Upper

105 100

134 19.6 9.7 28.9

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 49.320 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VF061291.D

Acq: 8 Jan 2019 17:53

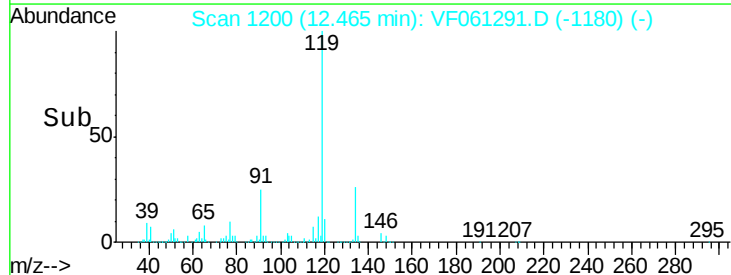
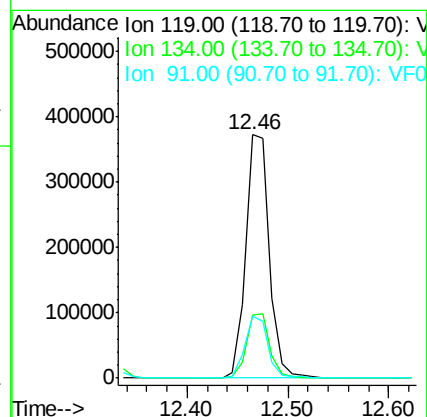
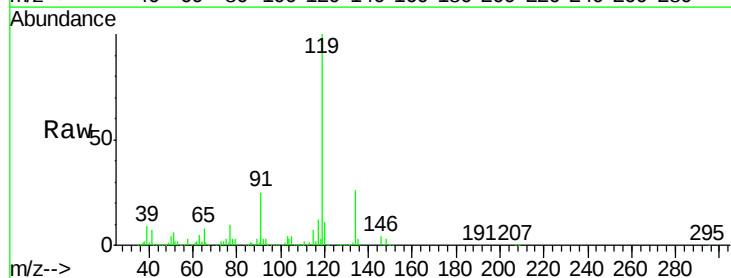
Tgt Ion:119 Resp: 603403

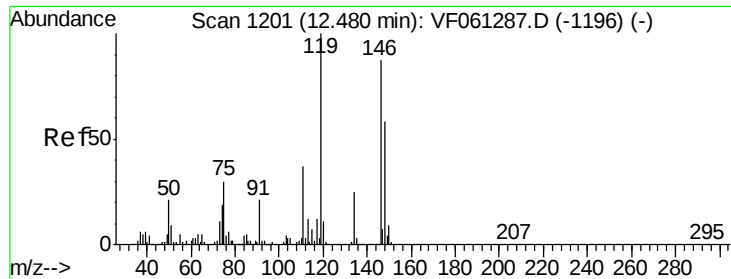
Ion Ratio Lower Upper

119 100

134 25.7 13.0 39.0

91 25.3 12.2 36.4





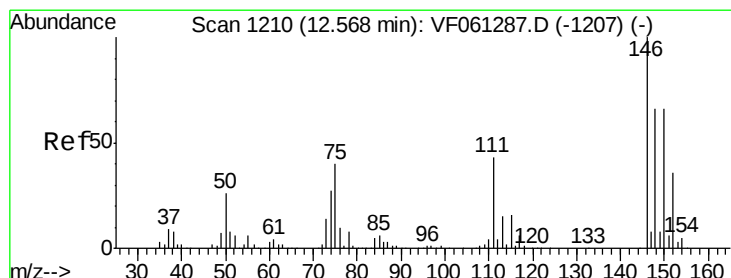
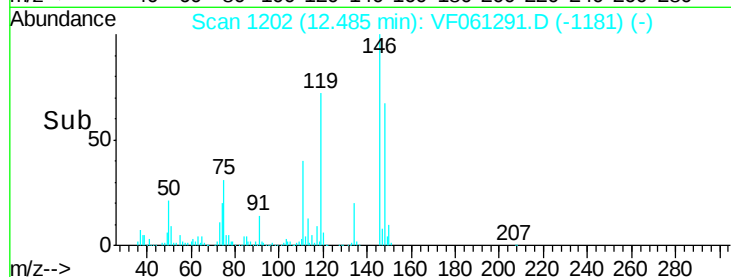
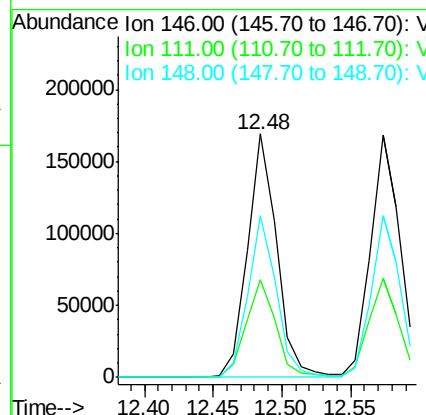
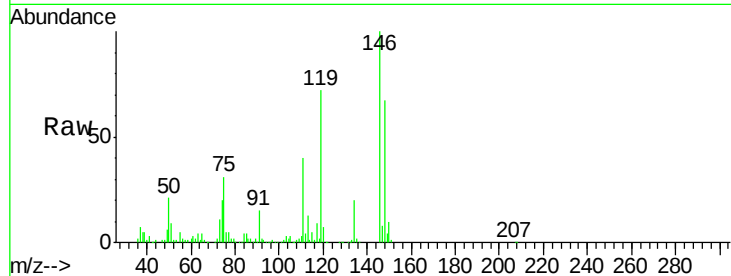
#87
 1,3-Dichlorobenzene
 Concen: 47.354 ug/l
 RT: 12.48 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VF061291.D
 Acq: 8 Jan 2019 17:53

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV010819

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	21.1	63.3
148	66.5	33.1	99.5

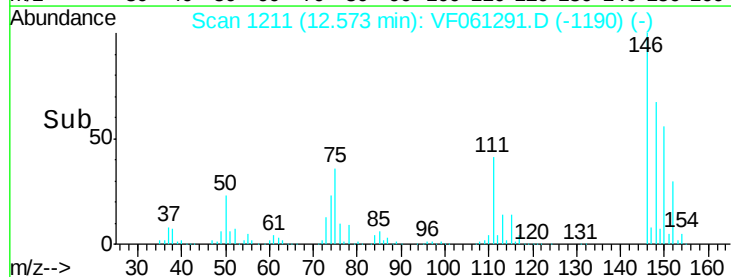
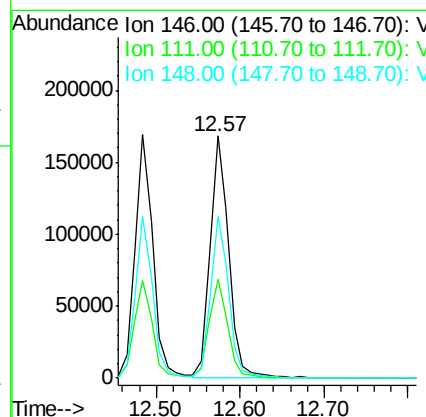
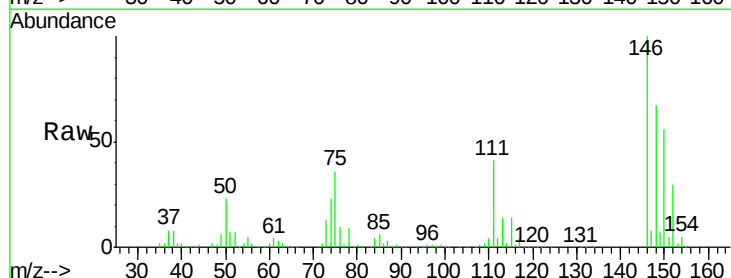
Manual Integrations
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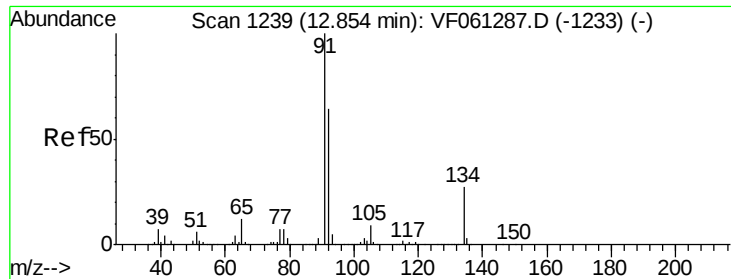
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 1/9/2019 11:45:15 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.589 ug/l
 RT: 12.57 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: VF061291.D
 Acq: 8 Jan 2019 17:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.4	64.2
148	67.1	33.0	98.9





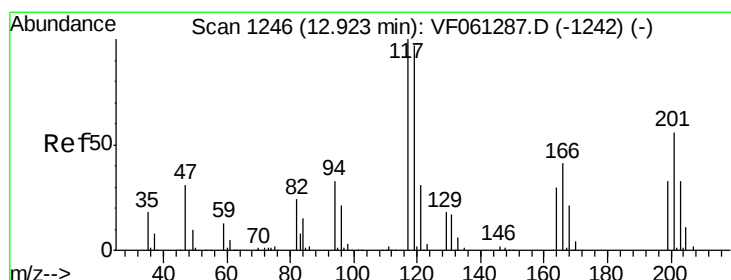
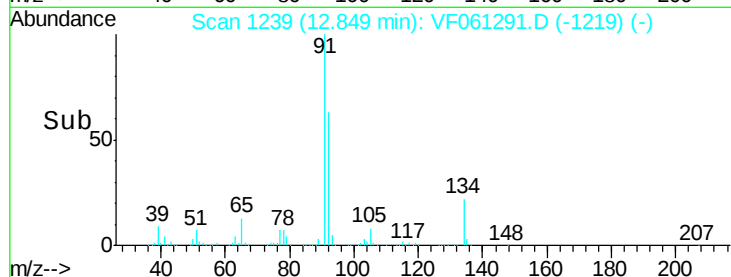
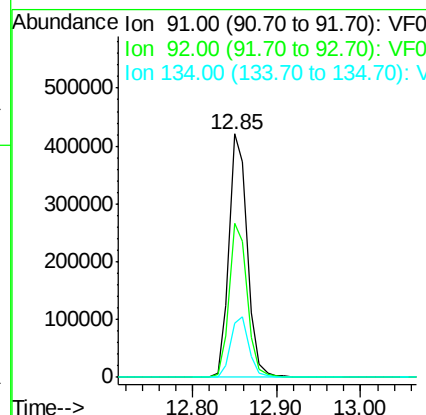
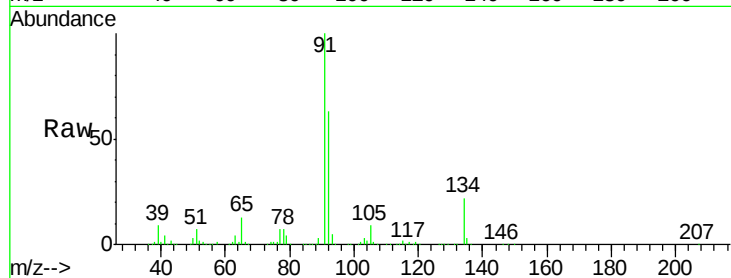
#89
n-Butylbenzene
Concen: 50.635 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VF061291.D
Acq: 8 Jan 2019 17:53

Instrument :
MSVOA_F
ClientSampleId :
ICVVF010819

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		636491		
92	63.0	32.1	96.3		
134	22.3	13.4	40.1		

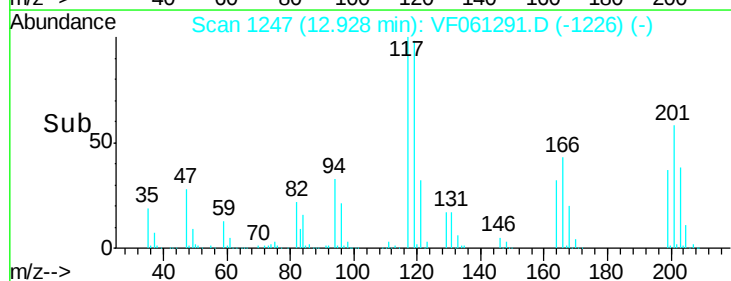
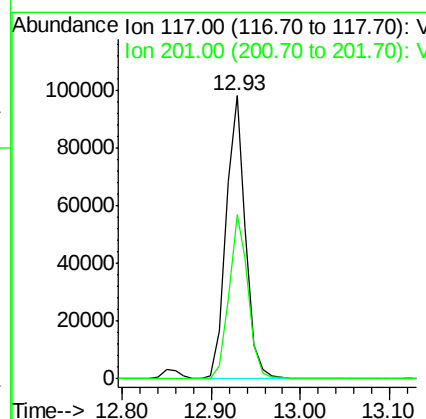
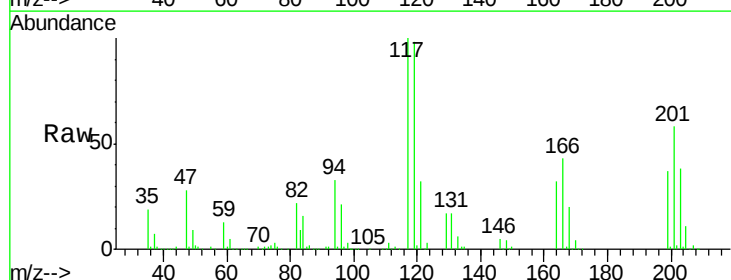
Manual Integrations
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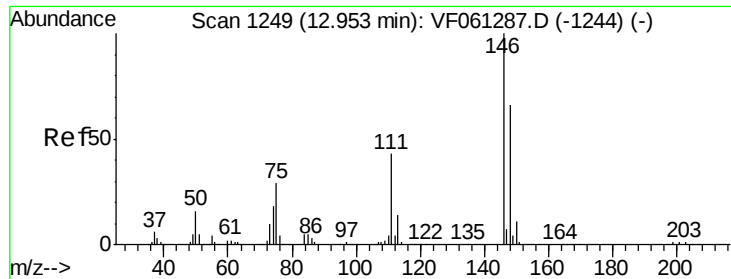
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1/9/2019 11:45:15 AM



#90
Hexachloroethane
Concen: 49.925 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. 0.00 min
Lab File: VF061291.D
Acq: 8 Jan 2019 17:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		150696		
201	58.3	27.9	83.7		





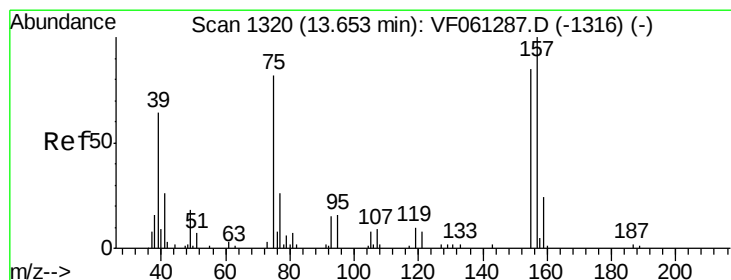
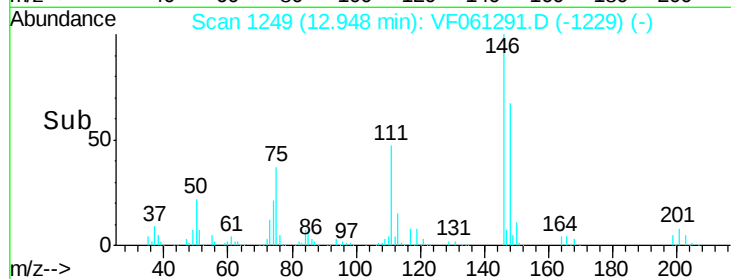
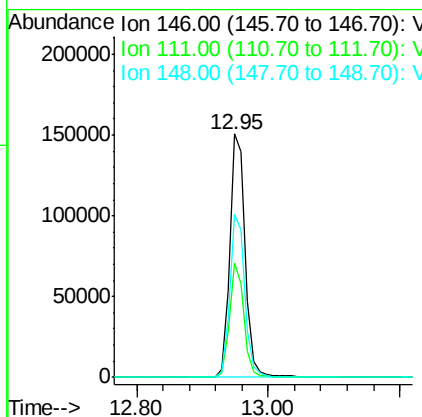
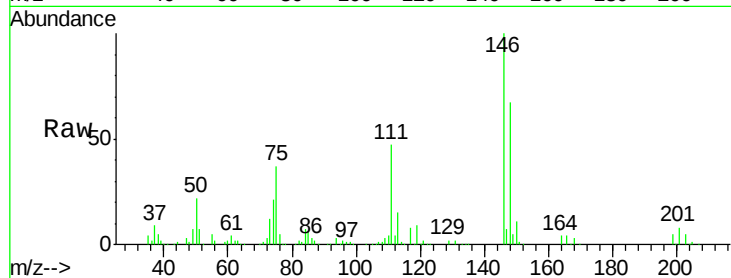
#91
 1,2-Dichlorobenzene
 Concen: 47.866 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VF061291.D
 Acq: 8 Jan 2019 17:53

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV010819

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.7	21.4	64.3
148	67.0	33.1	99.2

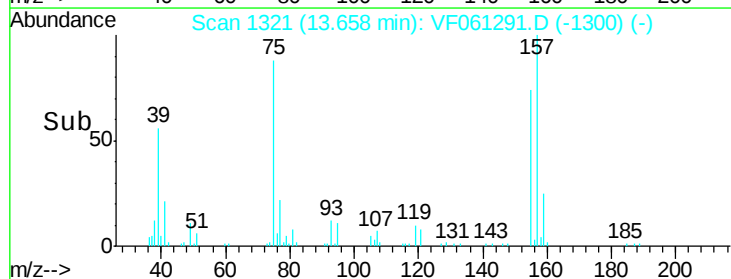
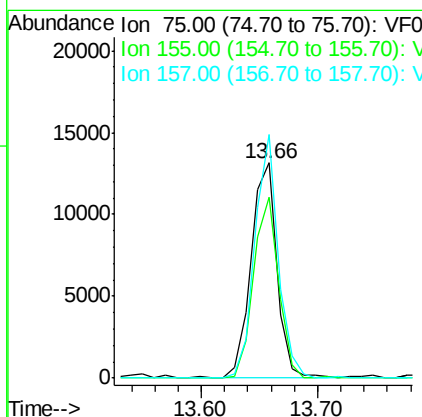
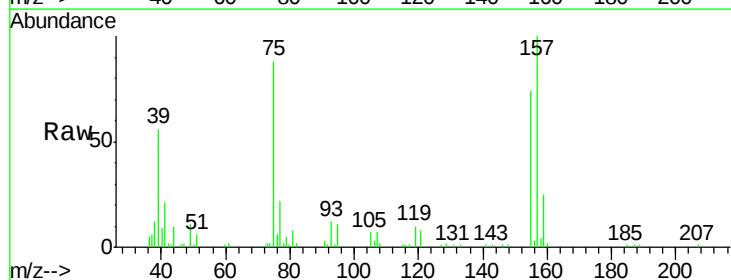
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.433 ug/l
 RT: 13.66 min Scan# 1321
 Delta R.T. 0.01 min
 Lab File: VF061291.D
 Acq: 8 Jan 2019 17:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.0	51.3	154.0
157	113.2	60.7	182.0





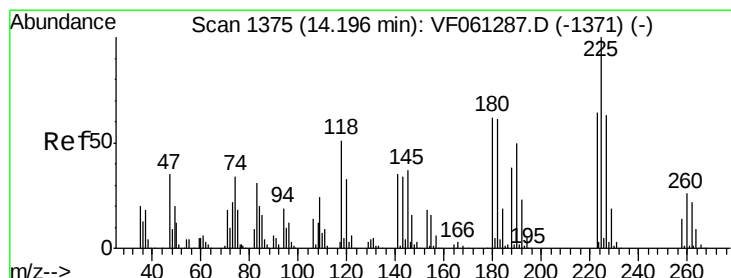
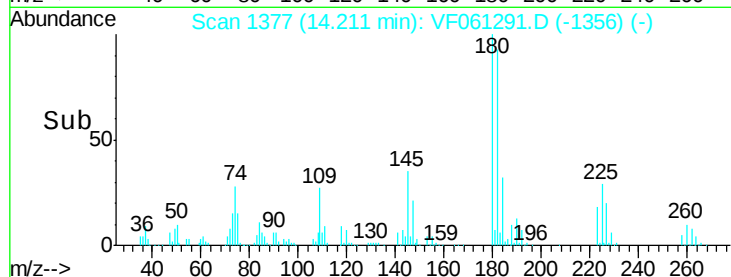
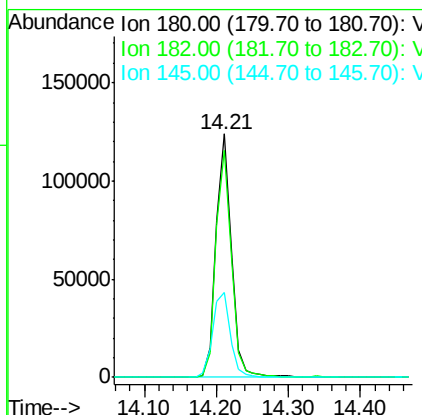
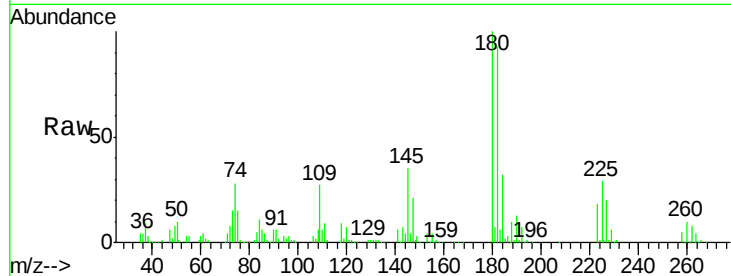
#93
 1,2,4-Trichlorobenzene
 Concen: 50.308 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VF061291.D
 Acq: 8 Jan 2019 17:53

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV010819

Tot Ion	Ratio	Resp	Lower	Upper
180	100	181289		
182	93.5	47.0	141.2	
145	34.8	19.7	59.1	

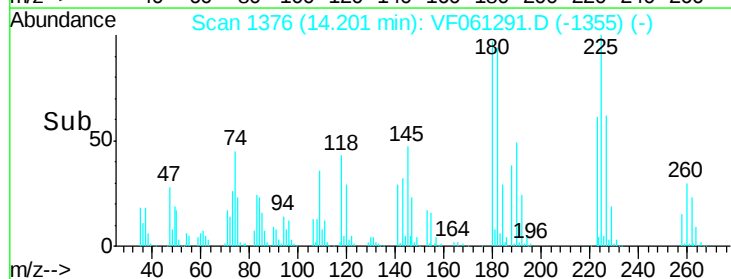
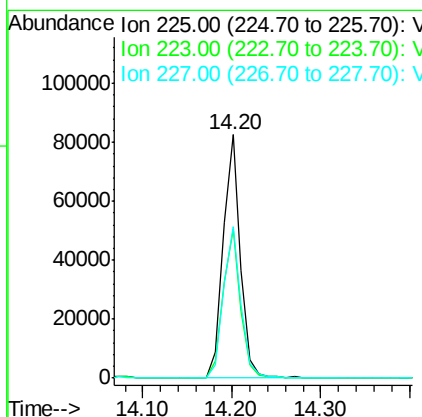
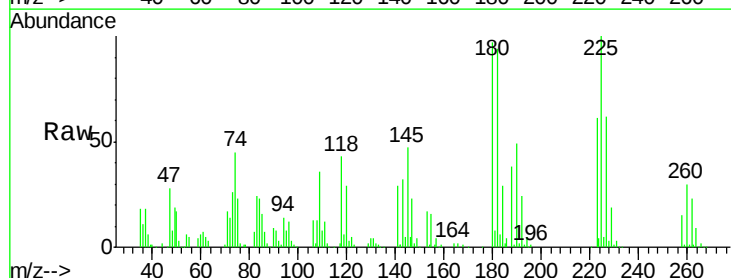
Manual Integrations
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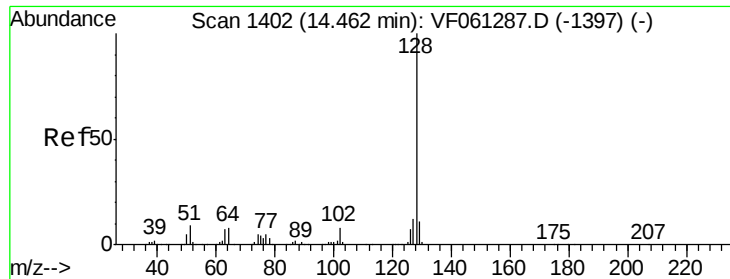
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#94
 Hexachlorobutadiene
 Concen: 49.348 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VF061291.D
 Acq: 8 Jan 2019 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	113301		
223	61.2	31.8	95.4	
227	62.3	31.3	93.9	





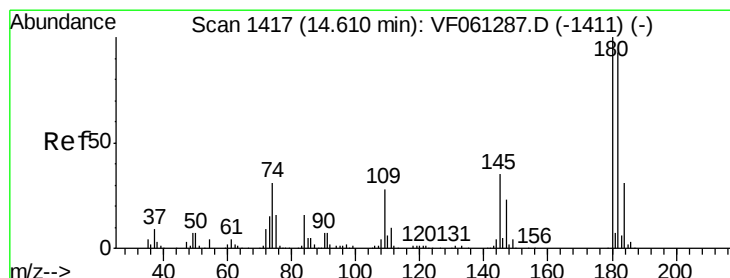
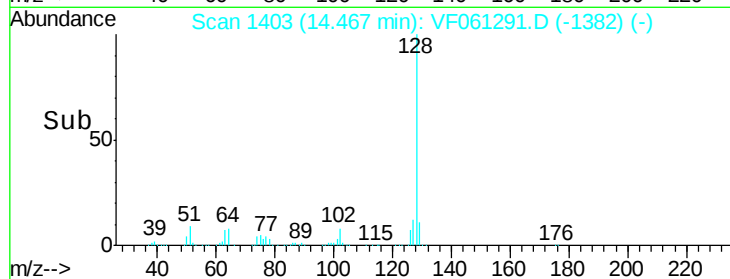
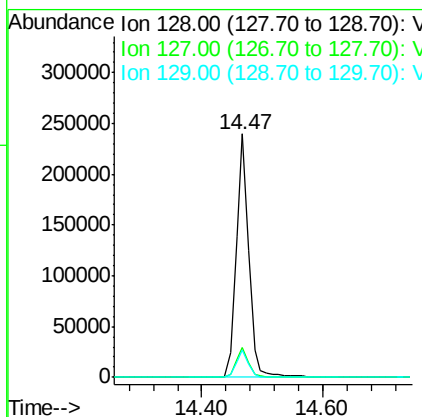
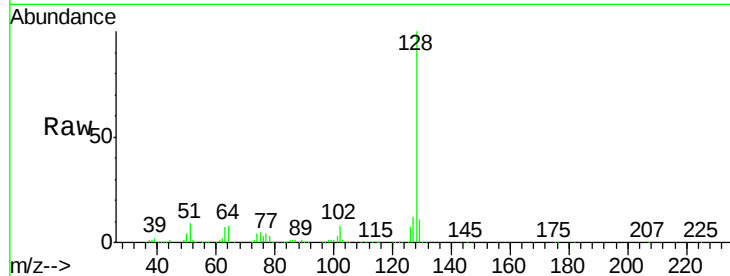
#95
Naphthalene
Concen: 51.190 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. 0.01 min
Lab File: VF061291.D
Acq: 8 Jan 2019 17:53

Instrument :
MSVOA_F
ClientSampleId :
ICVVF010819

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	9.4	14.0
129	11.4	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 48.580 ug/l
RT: 14.62 min Scan# 1418
Delta R.T. 0.00 min
Lab File: VF061291.D
Acq: 8 Jan 2019 17:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	46.5	139.3
145	35.9	17.5	52.6

