

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011619\
 Data File : VF061434.D
 Acq On : 17 Jan 2019 2:24
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5mL/MSVOA-F/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/17/2019 1:24:23 PM

Quant Time: Jan 17 03:41:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	184450	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.58	114	353593	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	315315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	143922	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	115495	50.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.44%	
35) Dibromofluoromethane	4.10	113	132456	47.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.94%	
50) Toluene-d8	7.54	98	384365	50.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.56%	
62) 4-Bromofluorobenzene	11.40	95	160586	44.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.92%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	182715	50.416	ug/l	90
3) Chloromethane	1.09	50	142468	53.612	ug/l	95
4) Vinyl Chloride	1.13	62	128042	54.166	ug/l	95
5) Bromomethane	1.31	94	83710	54.305	ug/l	93
6) Chloroethane	1.39	64	57359	54.761	ug/l	99
7) Trichlorofluoromethane	1.47	101	210411	45.786	ug/l	96
8) Diethyl Ether	1.62	74	31945	54.251	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.82	101	113157	51.246	ug/l	97
10) Methyl Iodide	1.90	142	184948m	54.028	ug/l	
11) Tert butyl alcohol	2.56	59	25883	268.516	ug/l	96
12) 1,1-Dichloroethene	1.79	96	90880	55.398	ug/l	88
13) Acrolein	1.99	56	21908	263.292	ug/l	86
14) Allyl chloride	2.09	41	128596	69.617	ug/l	85
15) Acrylonitrile	2.93	53	72151	292.216	ug/l	97
16) Acetone	2.23	43	101553	222.291	ug/l	96
17) Carbon Disulfide	1.81	76	282756	55.278	ug/l	96
18) Methyl Acetate	2.33	43	49923	55.103	ug/l	100
19) Methyl tert-butyl Ether	2.41	73	189243	51.459	ug/l	95
20) Methylene Chloride	2.17	84	91629m	59.416	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	86371	47.853	ug/l	95
22) Diisopropyl ether	2.79	45	315594	54.059	ug/l	98
23) Vinyl Acetate	3.17	43	790613	307.153	ug/l	100
24) 1,1-Dichloroethane	2.86	63	195001	53.220	ug/l	97
25) 2-Butanone	4.32	43	205234	270.145	ug/l	98
26) 2,2-Dichloropropane	3.58	77	94851	42.134	ug/l	95
27) cis-1,2-Dichloroethene	3.46	96	144746	54.327	ug/l	99
28) Bromochloromethane	3.71	49	87088	52.876	ug/l #	94
29) Tetrahydrofuran	4.06	42	91427	279.483	ug/l	96
30) Chloroform	3.84	83	258818	52.340	ug/l	100
31) Cyclohexane	3.68	56	211408m	57.761	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	149156	41.138	ug/l	96
36) 1,1-Dichloropropene	4.26	75	202951	49.503	ug/l	96
37) Ethyl Acetate	4.09	43	85517	52.183	ug/l #	92
38) Carbon Tetrachloride	3.97	117	150742	42.058	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	220295	49.583	ug/l	96
40) Benzene	4.61	78	439845	48.215	ug/l	100
41) Methacrylonitrile	4.73	41	43987	50.443	ug/l	94
42) 1,2-Dichloroethane	4.93	62	155143	47.725	ug/l	99
43) Isopropyl Acetate	6.94	43	105490	51.288	ug/l #	91
44) Trichloroethene	5.49	130	137969	49.301	ug/l	96
45) 1,2-Dichloropropane	6.22	63	125624	52.469	ug/l	96
46) Dibromomethane	6.07	93	79446	49.902	ug/l	97
47) Bromodichloromethane	6.37	83	202261	51.348	ug/l	98
48) Methyl methacrylate	6.70	41	70994	51.402	ug/l	94
49) 1,4-Dioxane	6.68	88	11268	1181.346	ug/l #	70
51) 4-Methyl-2-Pentanone	8.24	43	391895	259.177	ug/l	100
52) Toluene	7.61	92	293347	48.830	ug/l	99
53) t-1,3-Dichloropropene	8.26	75	152483	48.751	ug/l	98
54) cis-1,3-Dichloropropene	7.29	75	203885	52.149	ug/l	97
55) 1,1,2-Trichloroethane	8.48	97	89694	52.576	ug/l	98
56) Ethyl methacrylate	8.61	69	98451	49.603	ug/l	96
57) 1,3-Dichloropropane	8.83	76	162273	50.748	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.28	63	62666	295.469	ug/l	92
59) 2-Hexanone	9.48	43	260329	246.897	ug/l	98
60) Dibromochloromethane	8.71	129	124471	49.907	ug/l	99
61) 1,2-Dibromoethane	8.97	107	96584	49.455	ug/l	93
64) Tetrachloroethene	8.13	164	130968	55.233	ug/l	95
65) Chlorobenzene	9.78	112	334167	52.115	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.92	131	129542	50.714	ug/l	96
67) Ethyl Benzene	9.89	91	579816	49.492	ug/l	96
68) m/p-Xylenes	10.12	106	416102	98.752	ug/l	93
69) o-Xylene	10.70	106	234643	51.380	ug/l	92
70) Styrene	10.78	104	309476	49.507	ug/l	97
71) Bromoform	10.76	173	59811	52.114	ug/l #	98
73) Isopropylbenzene	11.11	105	656118	56.052	ug/l	99
74) N-amyl acetate	11.36	43	171458	61.945	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.69	83	116563	55.898	ug/l	98
76) 1,2,3-Trichloropropane	11.78	75	78877	52.642	ug/l	94
77) Bromobenzene	11.49	156	135528	54.823	ug/l	96
78) n-propylbenzene	11.59	91	749718	52.980	ug/l	98
79) 2-Chlorotoluene	11.71	91	435904	53.672	ug/l	98
80) 1,3,5-Trimethylbenzene	11.81	105	496490	52.558	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	31976m	49.091	ug/l	
82) 4-Chlorotoluene	11.89	91	439711	53.652	ug/l	98
83) tert-Butylbenzene	12.12	119	540574	55.289	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	502653	51.658	ug/l	98
85) sec-Butylbenzene	12.30	105	716578	53.968	ug/l	98
86) p-Isopropyltoluene	12.45	119	588350	53.979	ug/l	99
87) 1,3-Dichlorobenzene	12.46	146	251561	51.338	ug/l	99
88) 1,4-Dichlorobenzene	12.55	146	249420	53.393	ug/l	99
89) n-Butylbenzene	12.83	91	600682	53.437	ug/l	97
90) Hexachloroethane	12.91	117	151160	58.832	ug/l	100
91) 1,2-Dichlorobenzene	12.93	146	252297	54.557	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	21230	57.399	ug/l	62

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QLast Update : Wed Jan 16 04:51:59 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	171252	52.863	ug/l	98
94) Hexachlorobutadiene	14.18	225	107069	53.262	ug/l	100
95) Naphthalene	14.45	128	342913	55.714	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	160773	53.611	ug/l	98

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

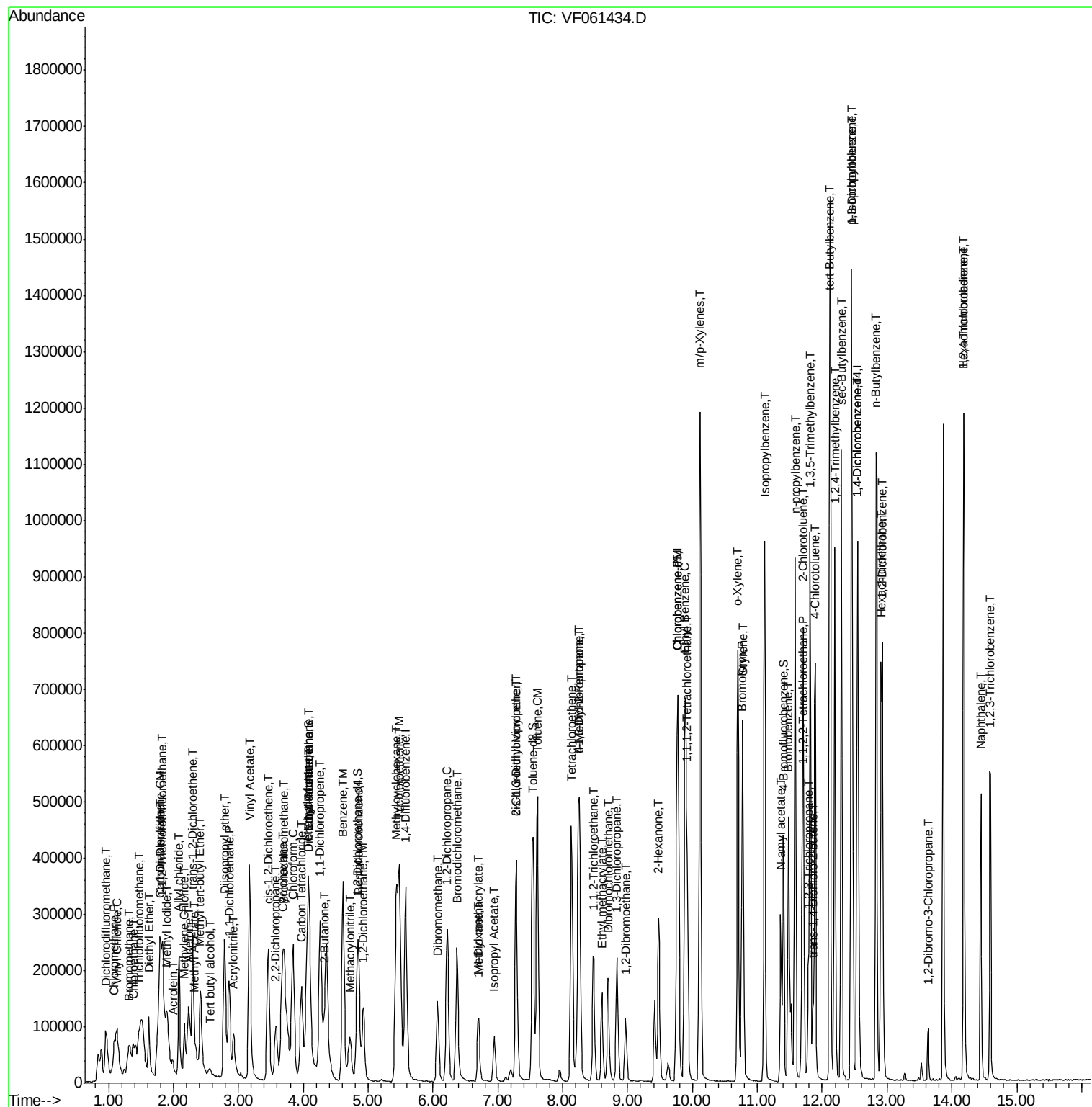
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF011619\
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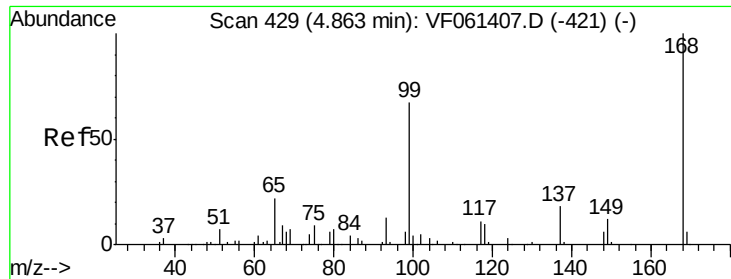
Instrument :
 MSVOA_F
 Client Sample Id :
 VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.00 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 184450

Ion Ratio Lower Upper

168 100

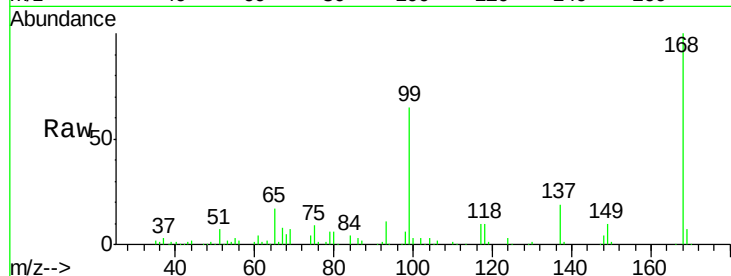
99 65.2 53.5 80.3

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

60000

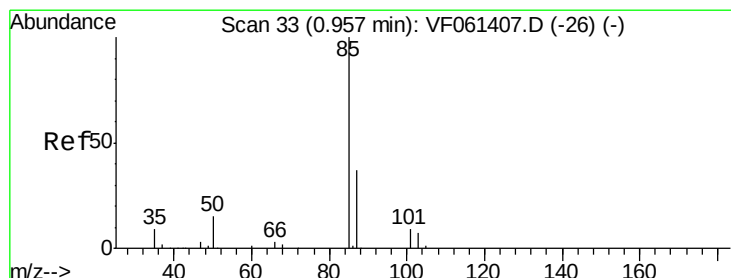
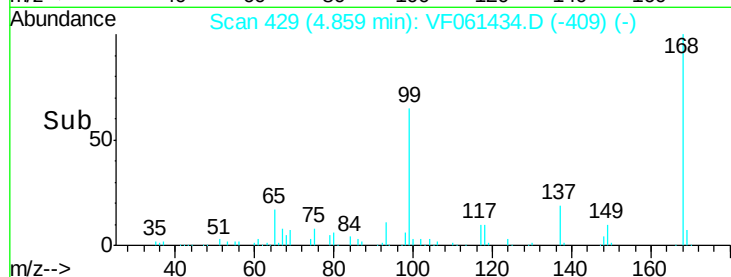
40000

20000

0

4.70 4.80 4.90 5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 50.416 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061434.D

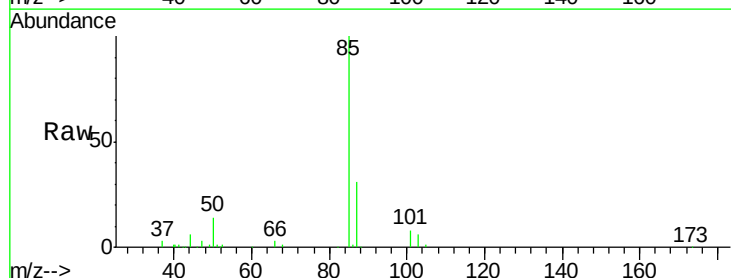
Acq: 17 Jan 2019 2:24

Tgt Ion: 85 Resp: 182715

Ion Ratio Lower Upper

85 100

87 30.6 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

50000

40000

30000

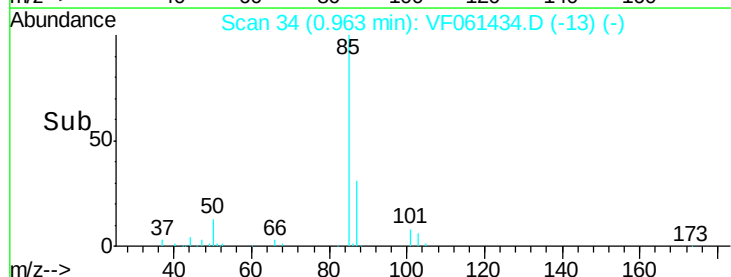
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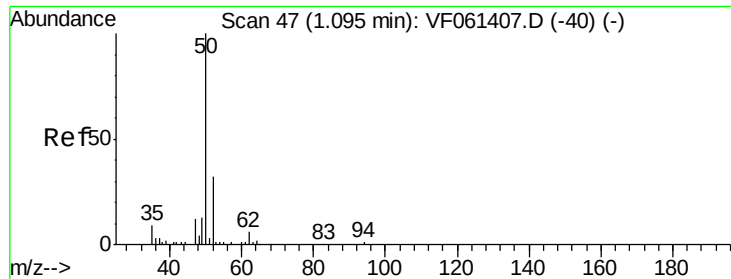
10000

0

0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 53.612 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 142468

Ion Ratio Lower Upper

50 100

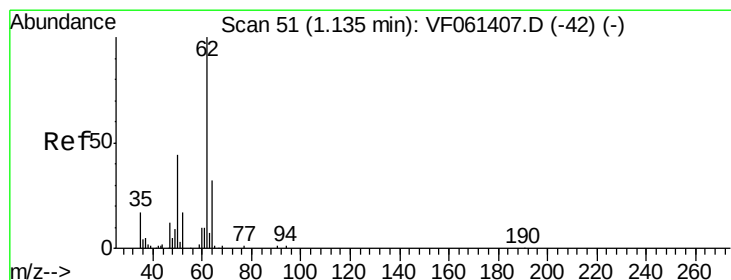
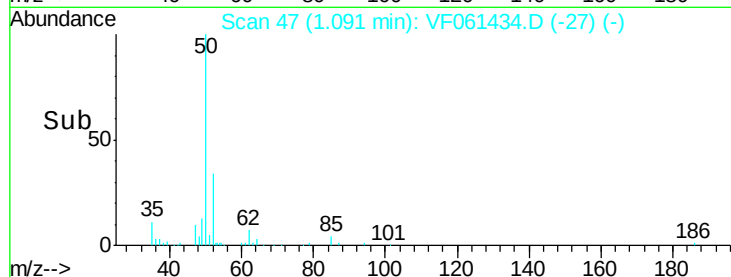
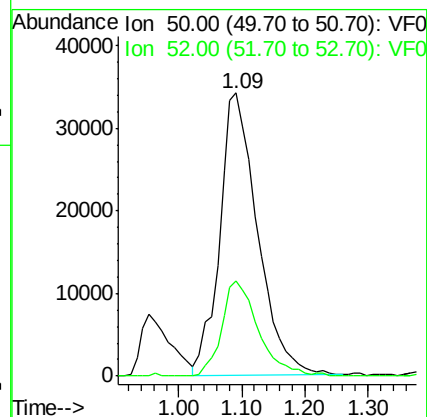
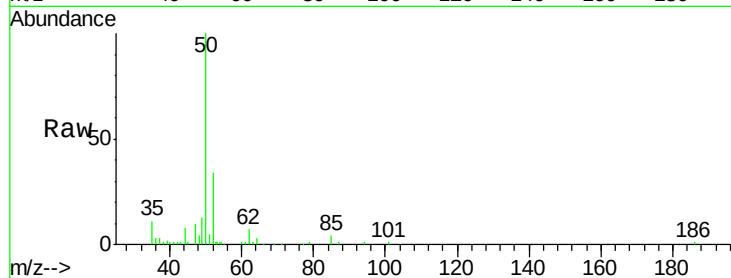
52 33.6 24.6 36.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 54.166 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF061434.D

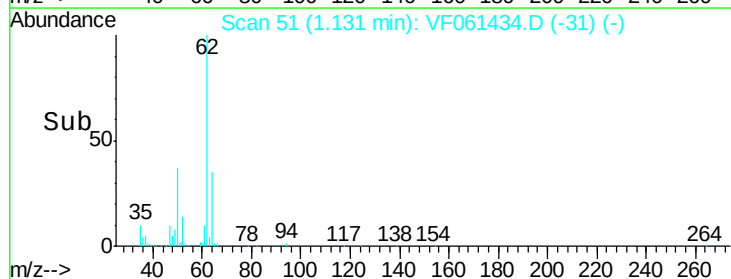
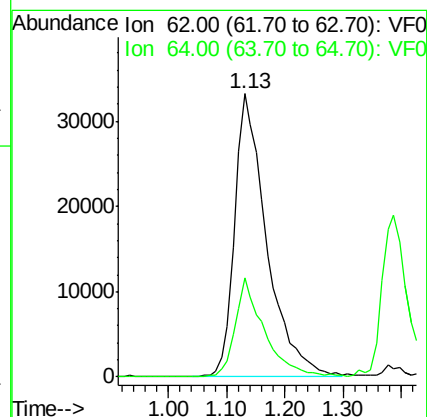
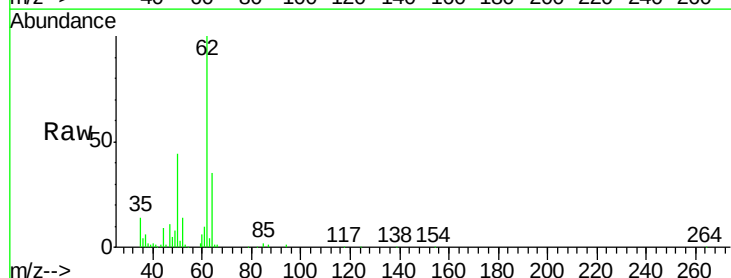
Acq: 17 Jan 2019 2:24

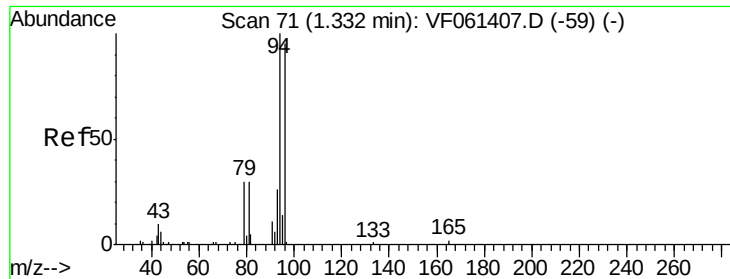
Tgt Ion: 62 Resp: 128042

Ion Ratio Lower Upper

62 100

64 34.9 25.6 38.4





#5

Bromomethane

Concen: 54.305 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.02 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 83710

Ion Ratio Lower Upper

94 100

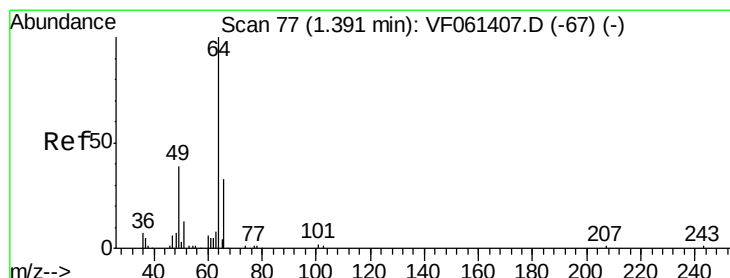
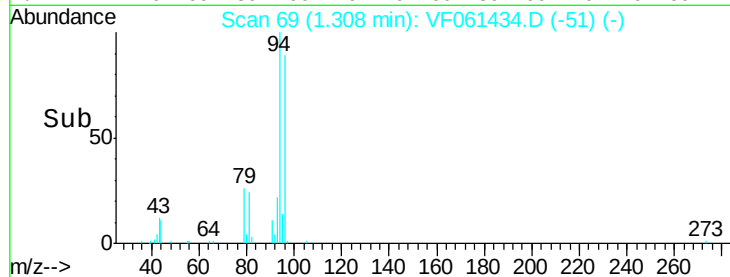
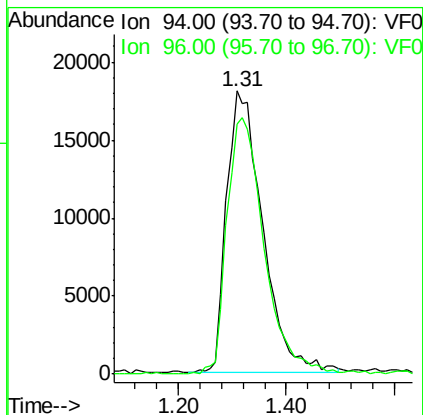
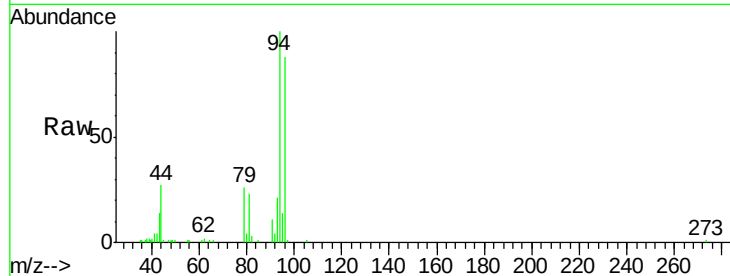
96 88.4 76.0 114.0

Manual Integrations

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#6

Chloroethane

Concen: 54.761 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF061434.D

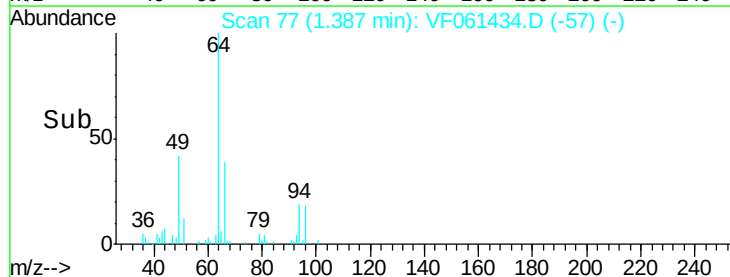
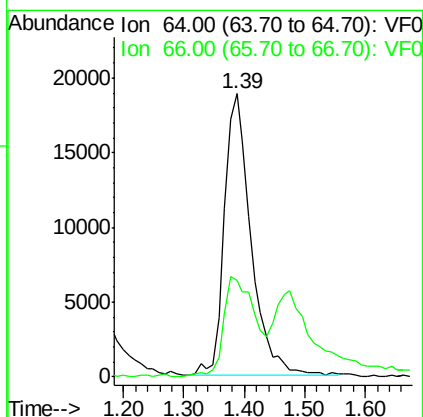
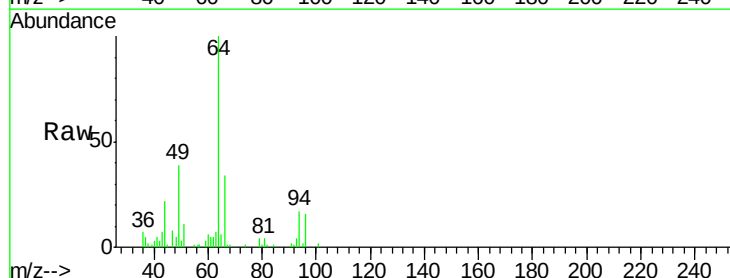
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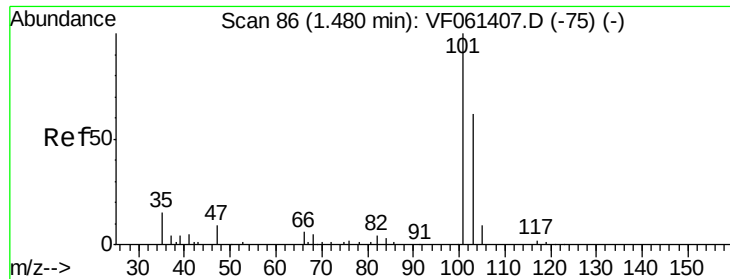
Tgt Ion: 64 Resp: 57359

Ion Ratio Lower Upper

64 100

66 34.0 26.6 40.0





#7

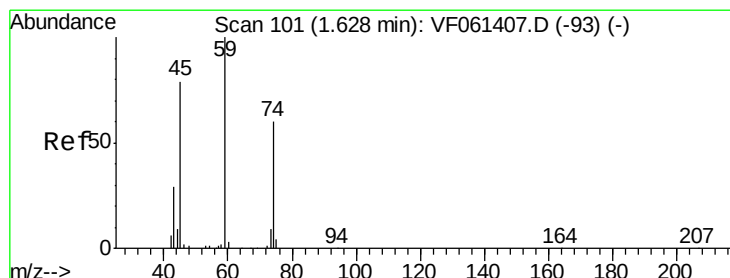
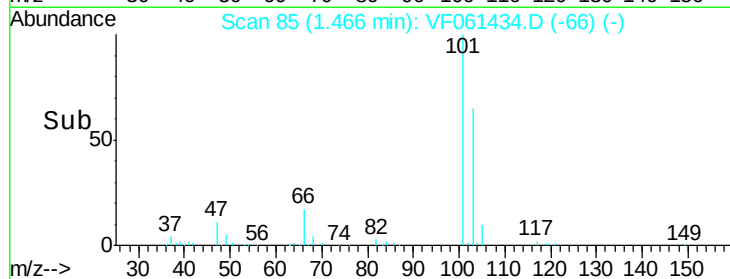
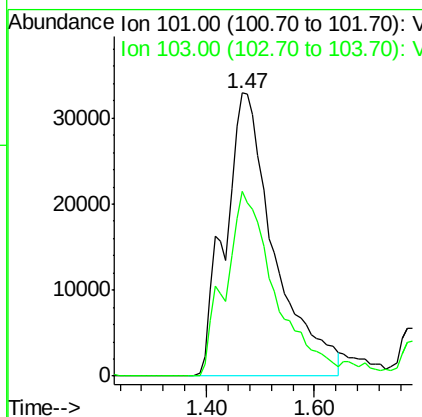
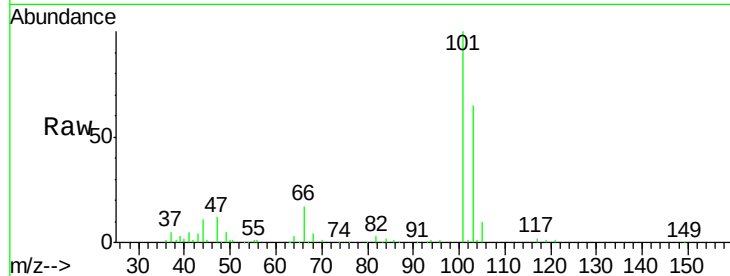
Trichlorofluoromethane
Concen: 45.786 ug/l
RT: 1.47 min Scan# 85
Delta R.T. -0.01 min
Lab File: VF061434.D
Acq: 17 Jan 2019 2:24

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	49.7	74.5

Manual Integrations
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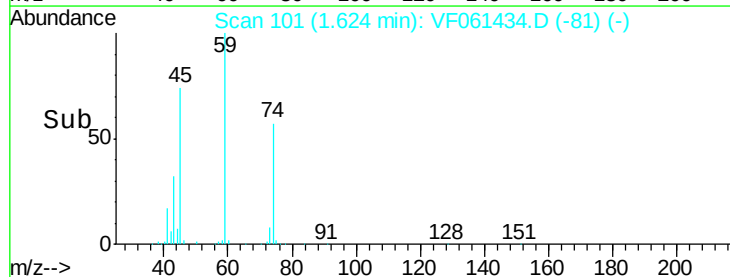
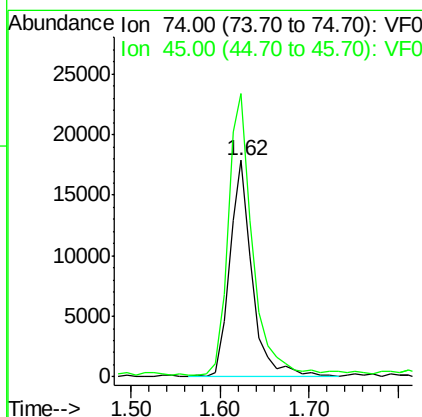
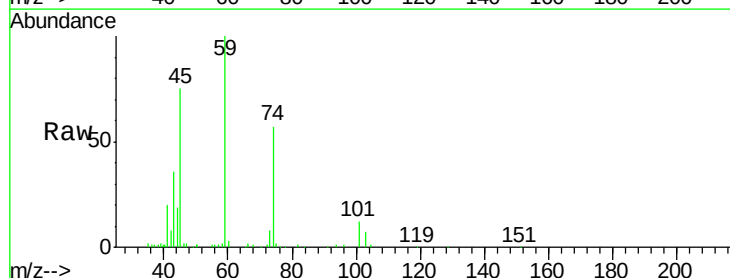
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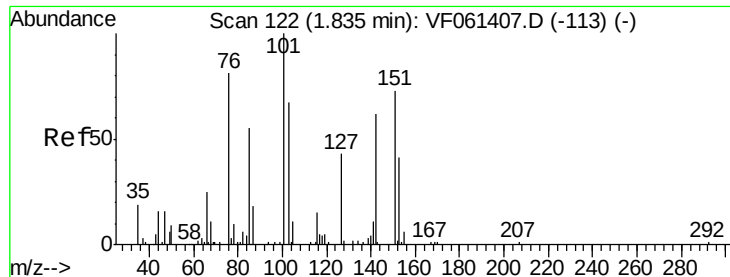


#8

Diethyl Ether
Concen: 54.251 ug/l
RT: 1.62 min Scan# 101
Delta R.T. -0.00 min
Lab File: VF061434.D
Acq: 17 Jan 2019 2:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	130.8	65.8	197.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.246 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Instrument :

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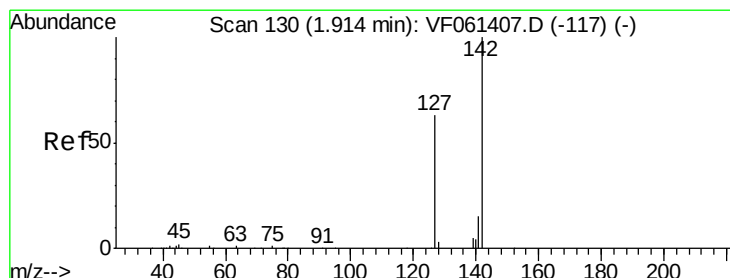
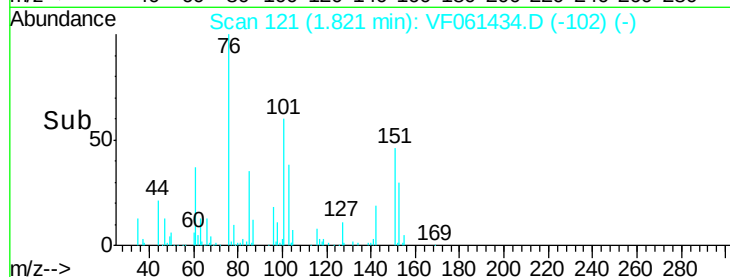
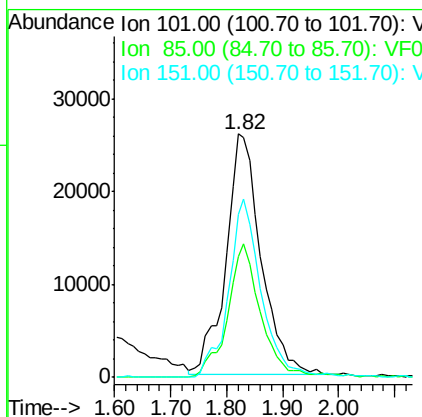
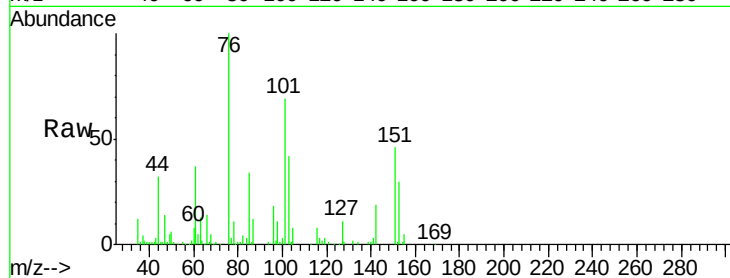
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	113157
Ion Ratio	Lower	Upper	
101	100		
85	49.8	41.9	62.9
151	66.8	55.1	82.7

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#10

Methyl Iodide

Concen: 54.028 ug/l m

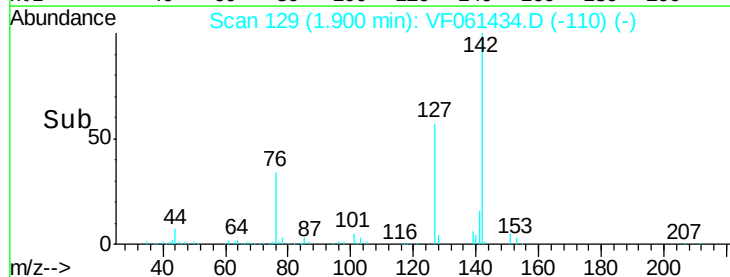
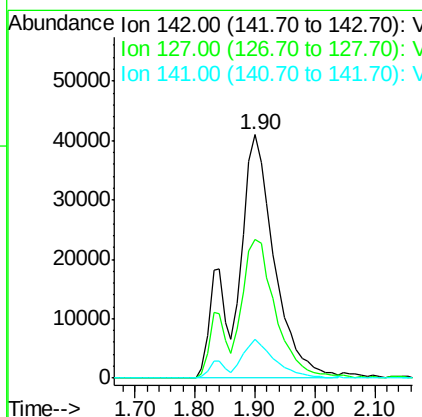
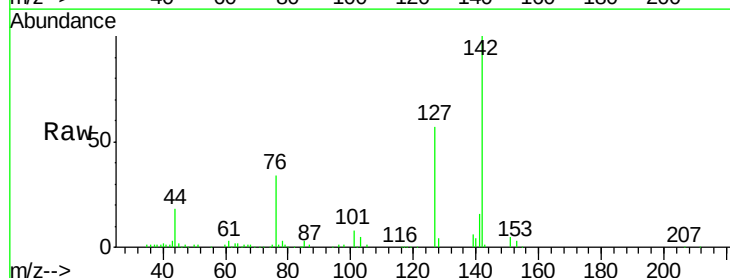
RT: 1.90 min Scan# 129

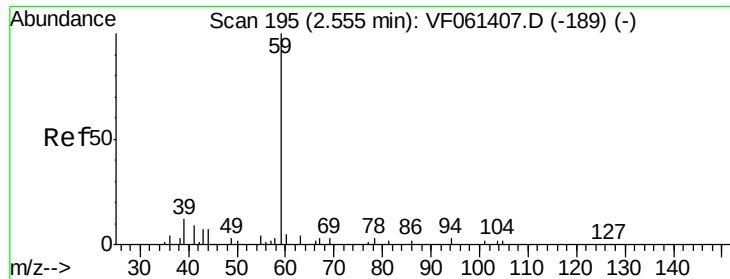
Delta R.T. -0.01 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Tgt Ion:	142	Resp:	184948
Ion Ratio	Lower	Upper	
142	100		
127	56.8	50.7	76.1
141	16.1	11.8	17.6





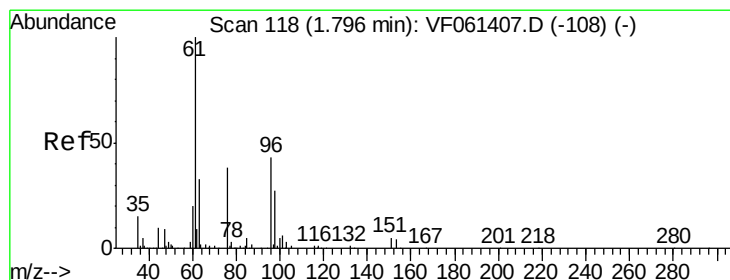
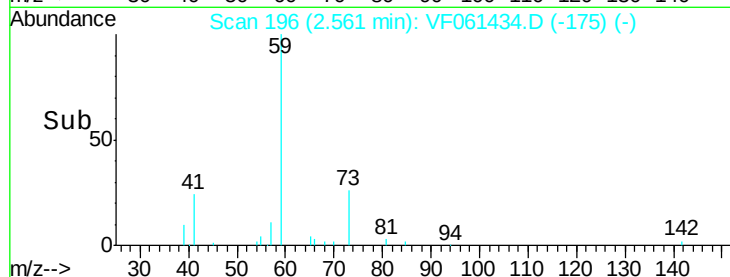
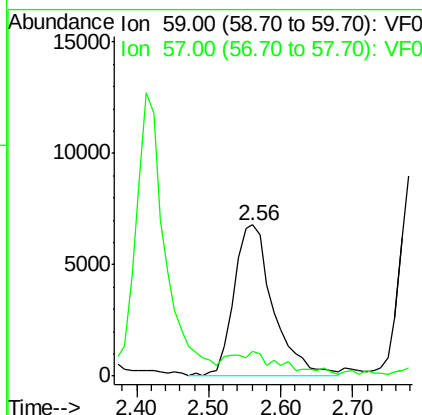
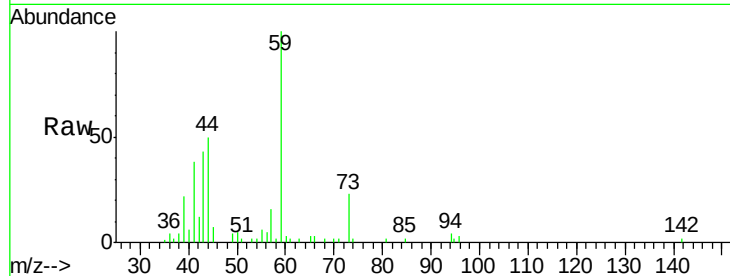
#11
Tert butyl alcohol
Concen: 268.516 ug/l
RT: 2.56 min Scan# 196
Delta R.T. 0.01 min
Lab File: VF061434.D
Acq: 17 Jan 2019 2:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 25883
Ion Ratio Lower Upper
59 100
57 16.4 11.9 17.9

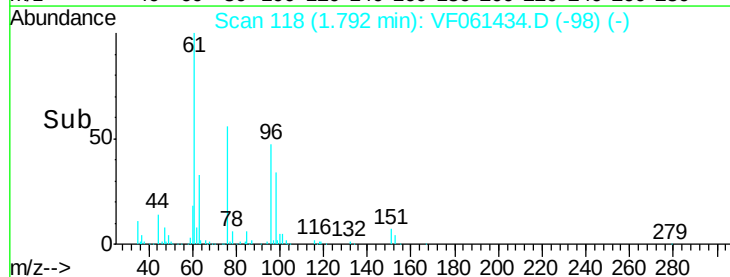
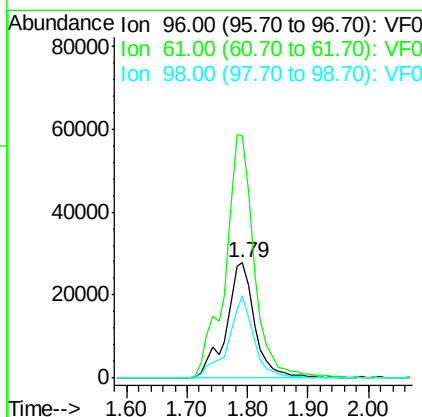
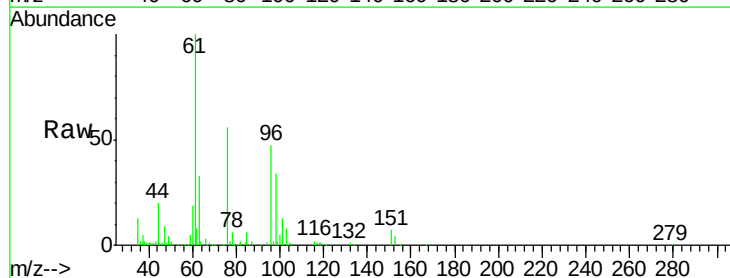
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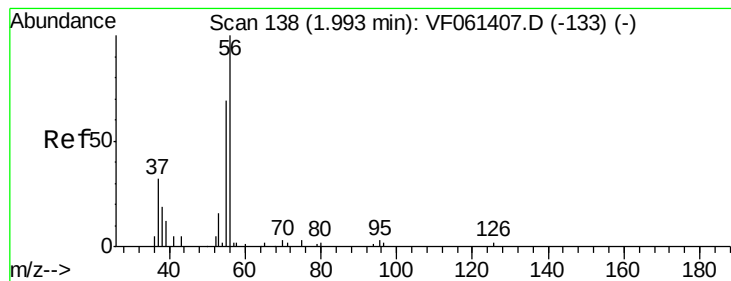
MMDadoda
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#12
1,1-Dichloroethene
Concen: 55.398 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF061434.D
Acq: 17 Jan 2019 2:24

Tgt Ion: 96 Resp: 90880
Ion Ratio Lower Upper
96 100
61 211.1 186.9 280.3
98 72.1 53.0 79.4





#13

Acrolein

Concen: 263.292 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.00 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 21908

Ion Ratio Lower Upper

56 100

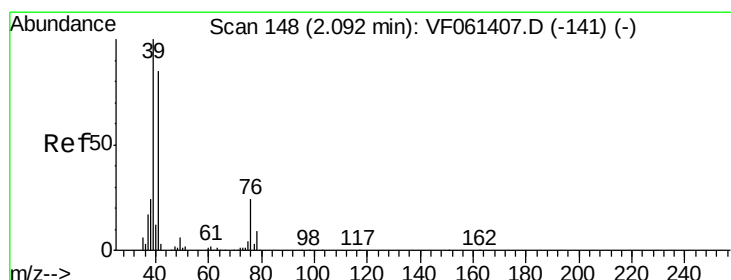
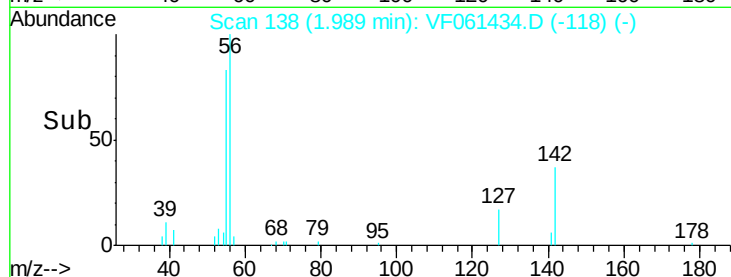
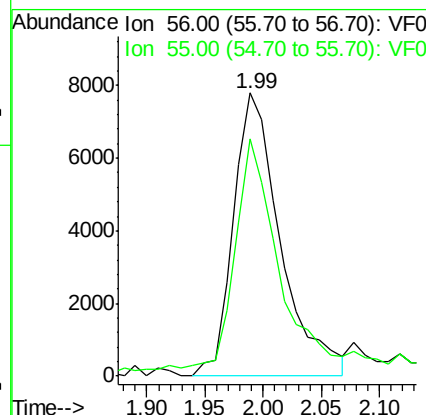
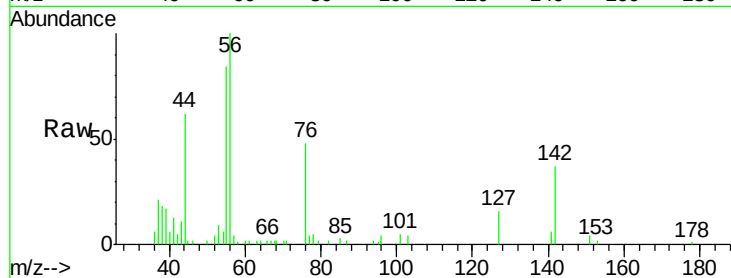
55 83.8 57.5 86.3

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#14

Allyl chloride

Concen: 69.617 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

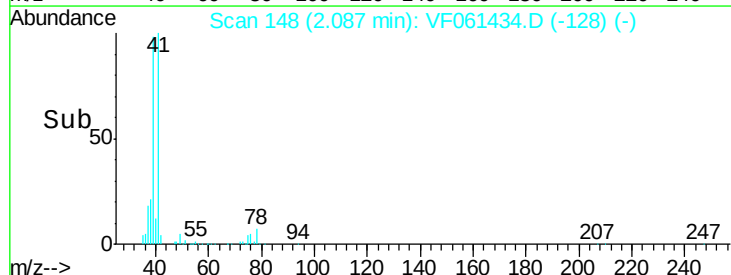
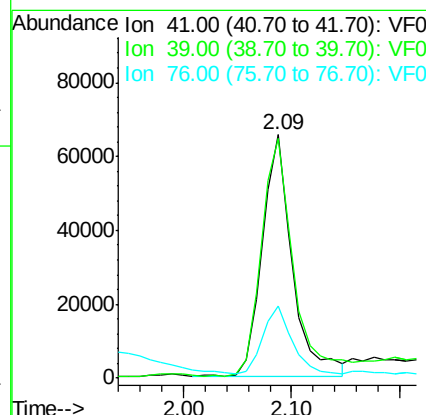
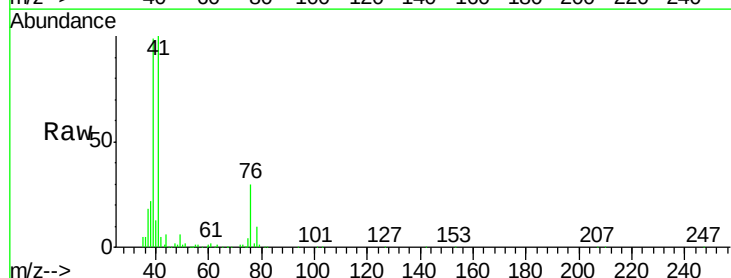
Tgt Ion: 41 Resp: 128596

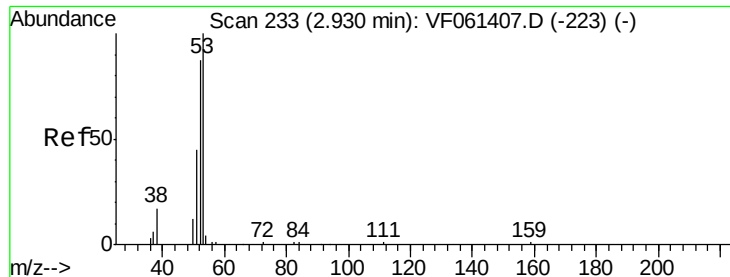
Ion Ratio Lower Upper

41 100

39 98.7 94.6 141.8

76 29.6 25.9 38.9





#15

Acrylonitrile

Concen: 292.216 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.00 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Instrument :

MSVOA_F

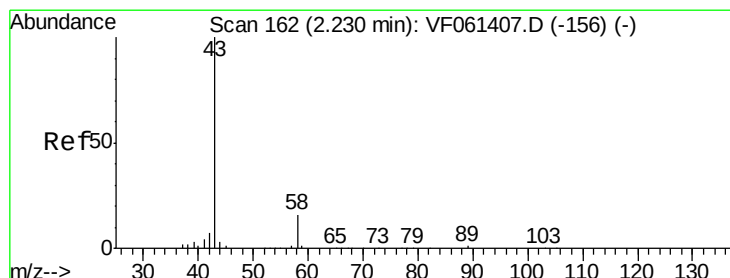
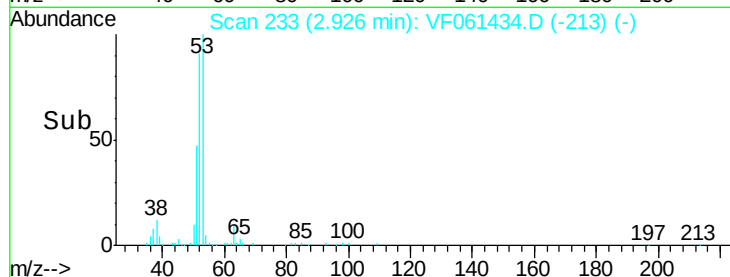
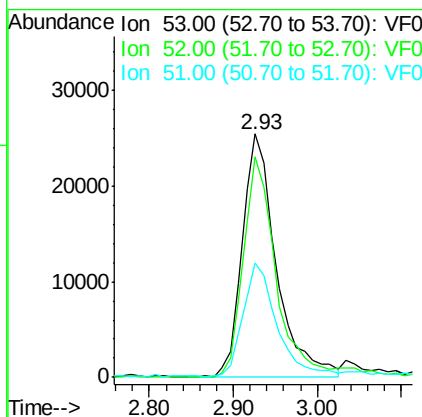
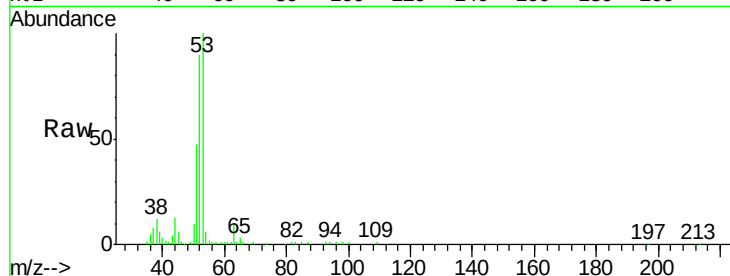
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	72151
Ion	Ratio	Lower	Upper
53	100		
52	90.4	69.6	104.4
51	46.8	36.8	55.2

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#16

Acetone

Concen: 222.291 ug/l

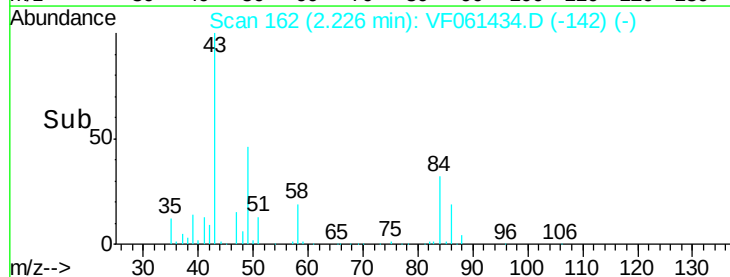
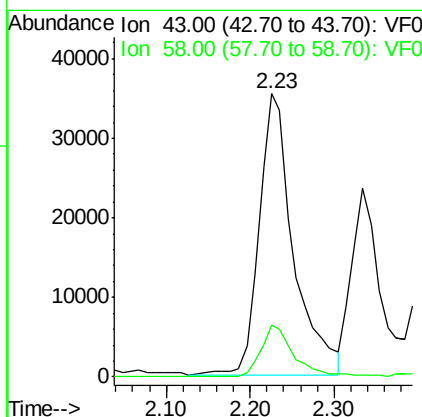
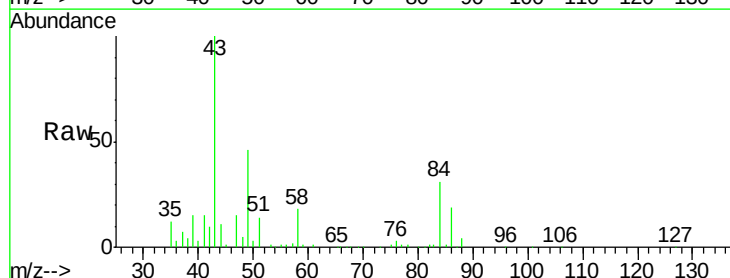
RT: 2.23 min Scan# 162

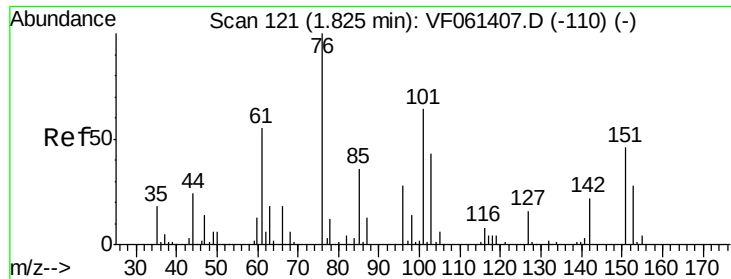
Delta R.T. -0.00 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Tgt Ion:	43	Resp:	101553
Ion	Ratio	Lower	Upper
43	100		
58	18.3	13.3	19.9





#17

Carbon Disulfide

Concen: 55.278 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.01 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Tot Ion: 76 Resp: 282756

Ion Ratio Lower Upper

76 100

78 10.3 9.6 14.4

Instrument :

MSVOA_F

ClientSampleId :

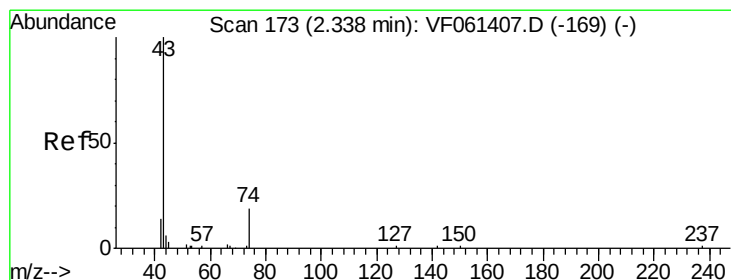
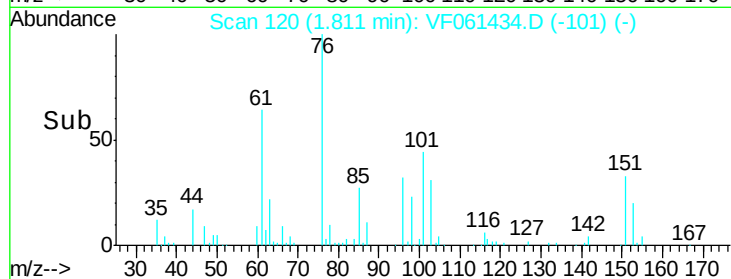
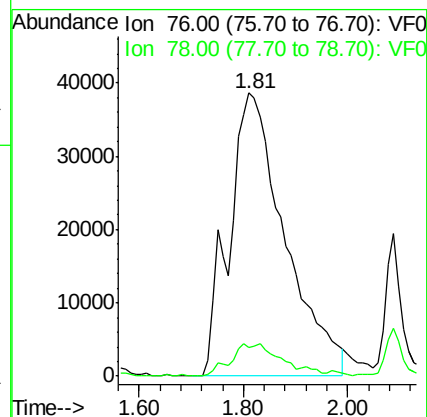
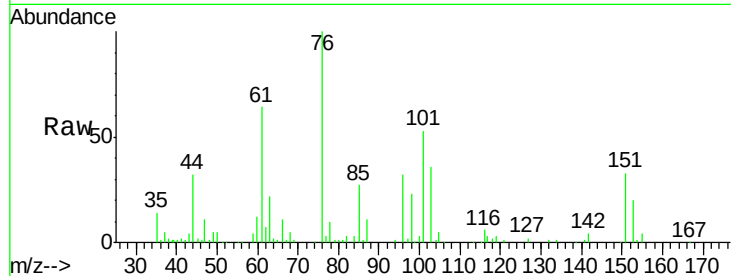
VSTDCCC050EC

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#18

Methyl Acetate

Concen: 55.103 ug/l

RT: 2.33 min Scan# 173

Delta R.T. -0.00 min

Lab File: VF061434.D

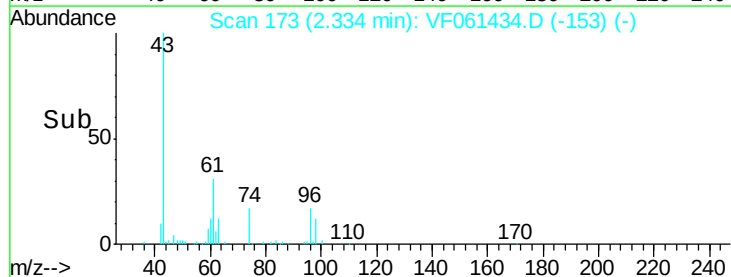
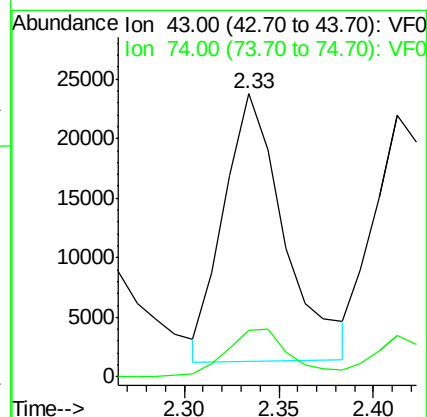
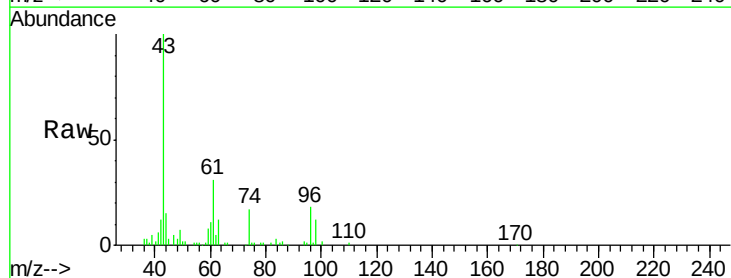
Acq: 17 Jan 2019 2:24

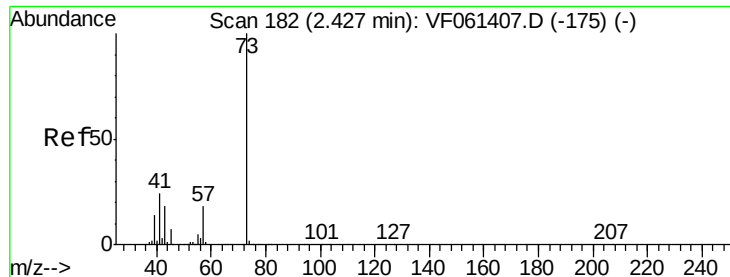
Tgt Ion: 43 Resp: 49923

Ion Ratio Lower Upper

43 100

74 16.5 13.4 20.0





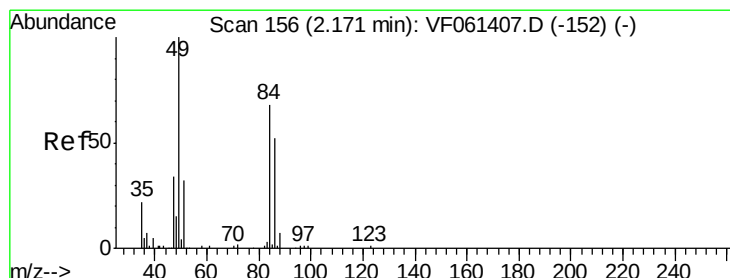
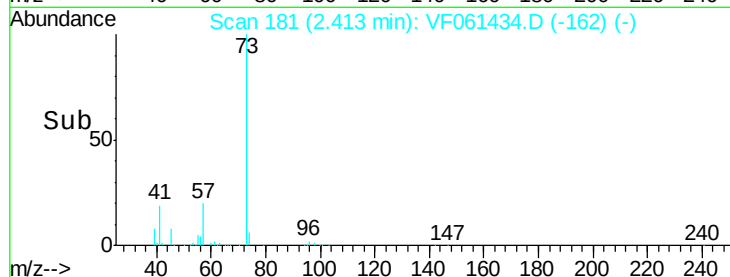
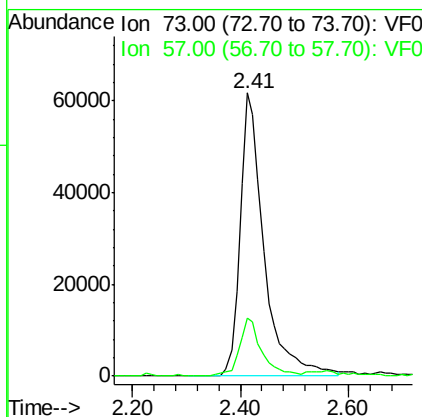
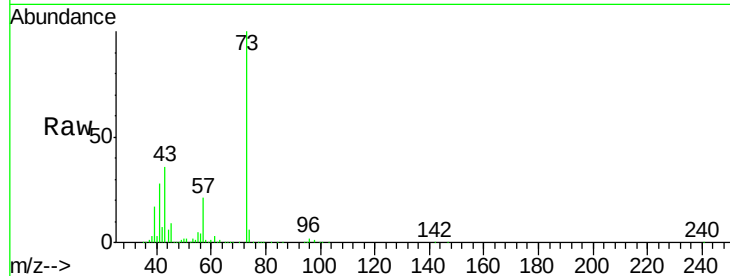
#19
Methyl tert-butyl Ether
Concen: 51.459 ug/l
RT: 2.41 min Scan# 181
Delta R.T. -0.01 min
Lab File: VF061434.D
Acq: 17 Jan 2019 2:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.6	14.8	22.2

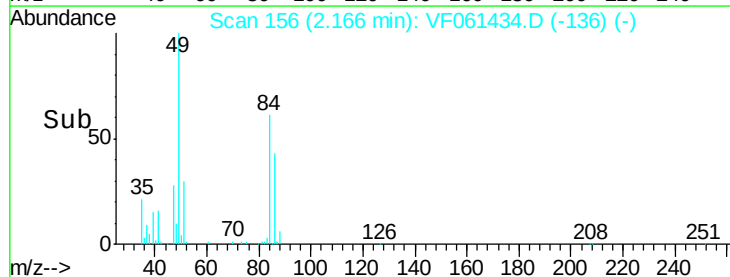
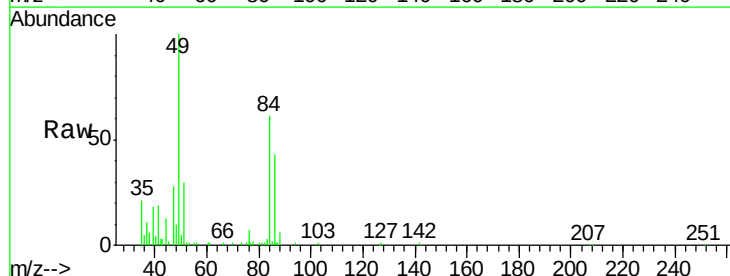
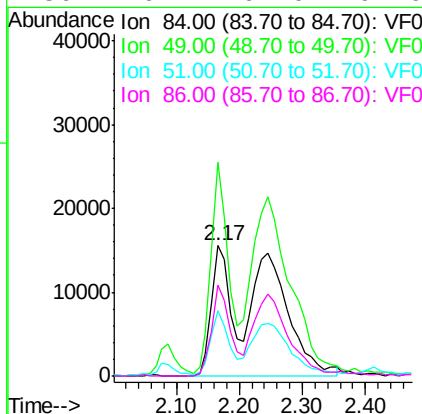
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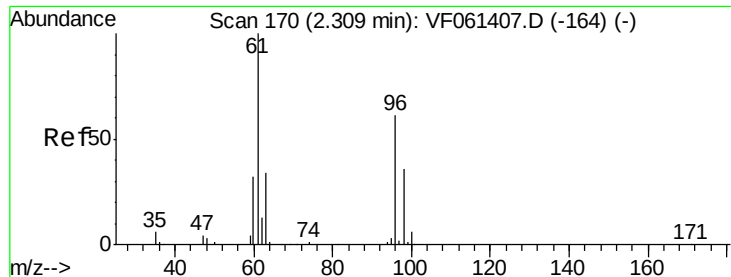
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#20
Methylene Chloride
Concen: 59.416 ug/l m
RT: 2.17 min Scan# 156
Delta R.T. -0.00 min
Lab File: VF061434.D
Acq: 17 Jan 2019 2:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	163.8	120.0	180.0
51	49.7	38.6	58.0
86	70.1	61.0	91.6





#21

trans-1,2-Dichloroethene

Concen: 47.853 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Instrument :

MSVOA_F

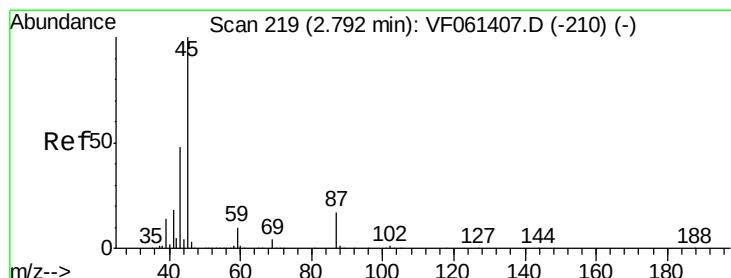
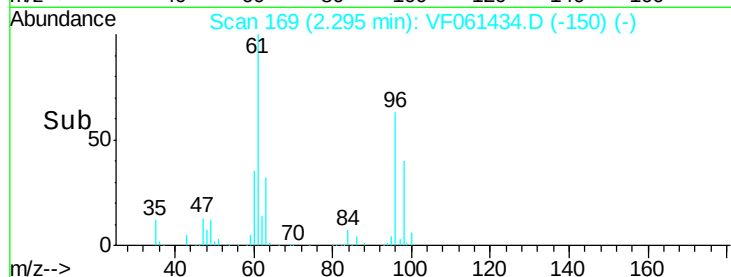
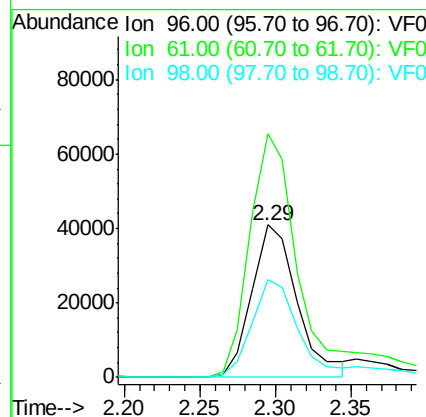
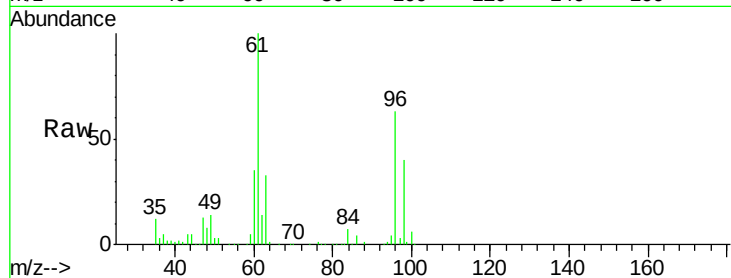
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	86371
Ion	Ratio	Lower	Upper
96	100		
61	159.6	131.8	197.8
98	64.3	47.4	71.0

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#22

Diisopropyl ether

Concen: 54.059 ug/l

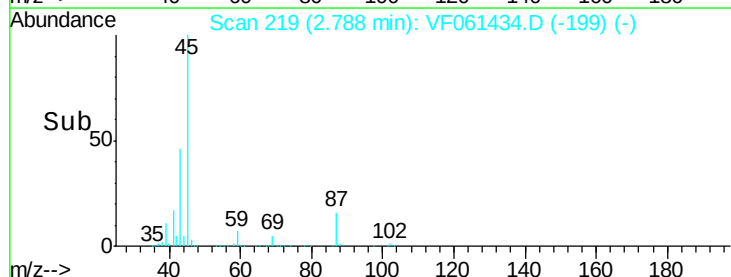
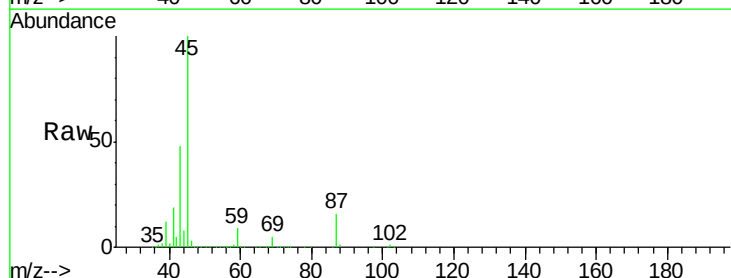
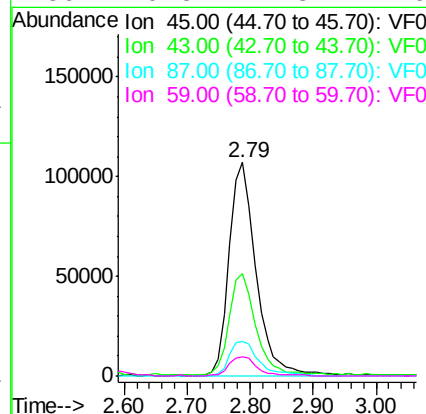
RT: 2.79 min Scan# 219

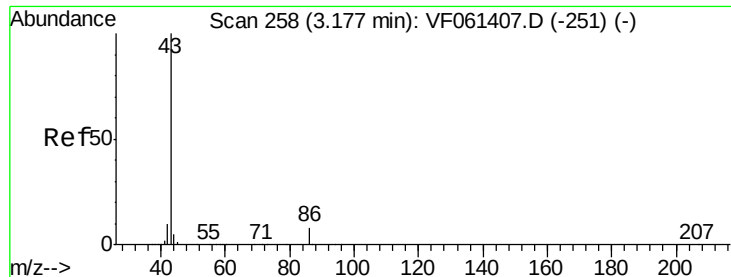
Delta R.T. -0.00 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Tgt Ion:	45	Resp:	315594
Ion	Ratio	Lower	Upper
45	100		
43	48.0	39.0	58.6
87	15.9	13.9	20.9
59	9.3	7.8	11.6





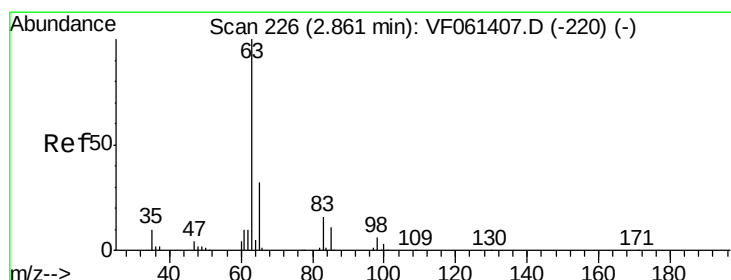
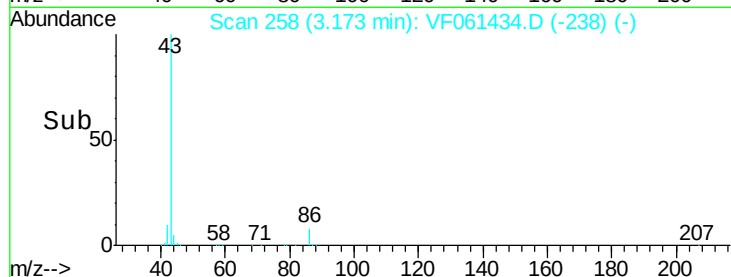
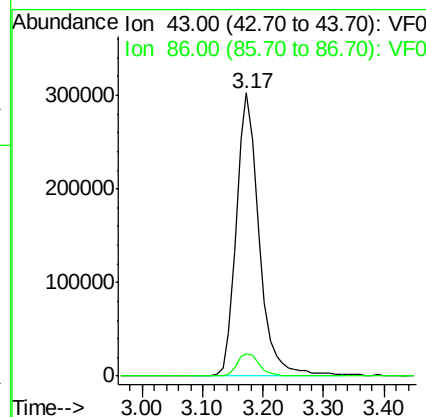
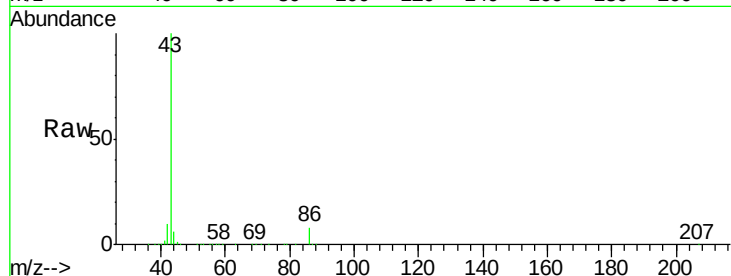
#23
 Vinyl Acetate
 Concen: 307.153 ug/l
 RT: 3.17 min Scan# 258
 Delta R.T. -0.00 min
 Lab File: VF061434.D
 Acq: 17 Jan 2019 2:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100	790613		
86	7.8	6.2	9.4	

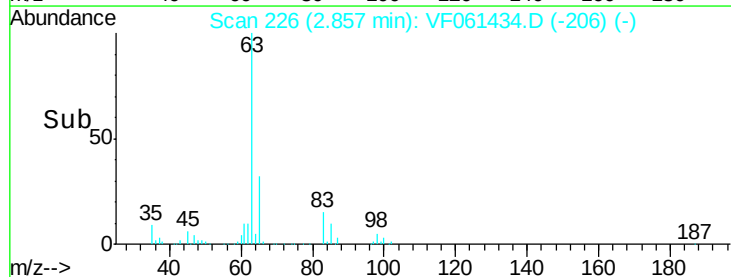
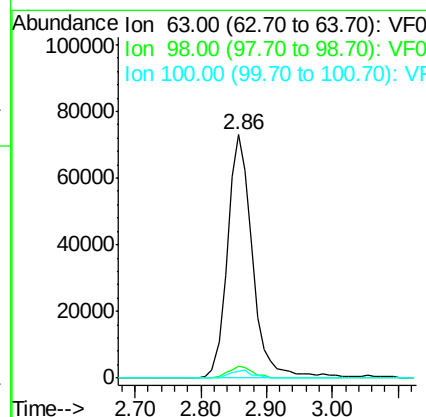
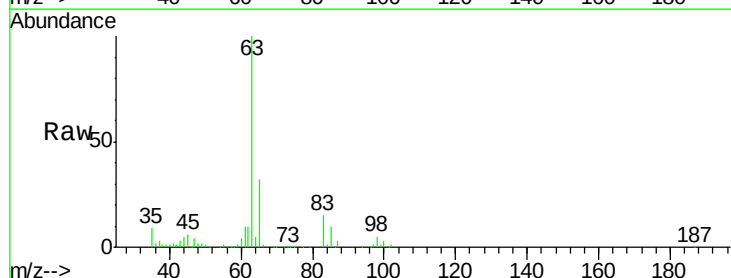
Manual Integrations
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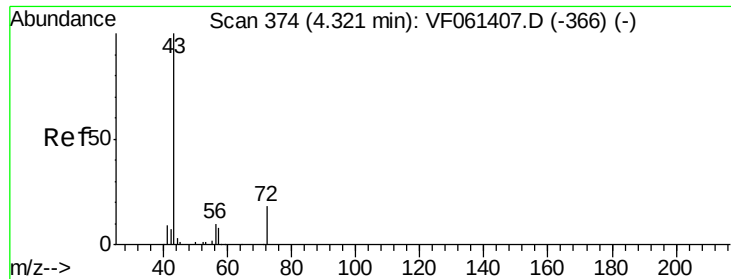
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#24
 1,1-Dichloroethane
 Concen: 53.220 ug/l
 RT: 2.86 min Scan# 226
 Delta R.T. -0.00 min
 Lab File: VF061434.D
 Acq: 17 Jan 2019 2:24

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	195001		
98	4.8	2.9	8.8	
100	2.8	1.6	4.8	





#25

2-Butanone

Concen: 270.145 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.00 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Tot Ion: 43 Resp: 205234

Ion Ratio Lower Upper

43 100

72 20.8 15.8 23.6

Instrument :

MSVOA_F

ClientSampleId :

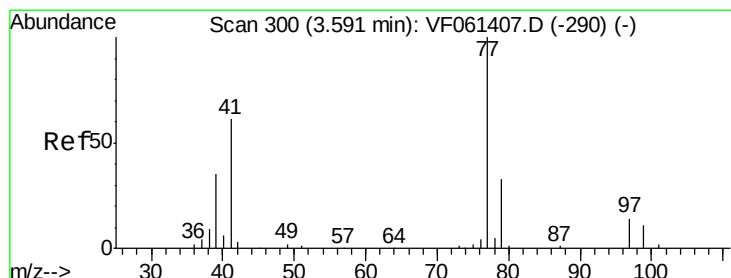
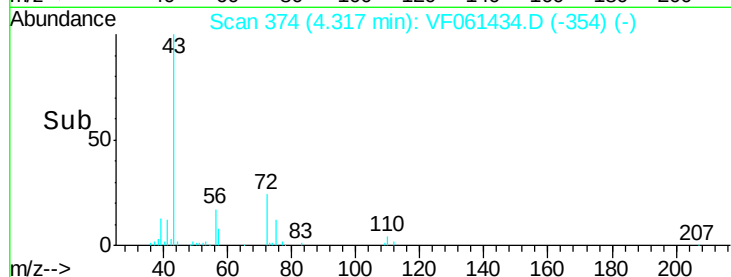
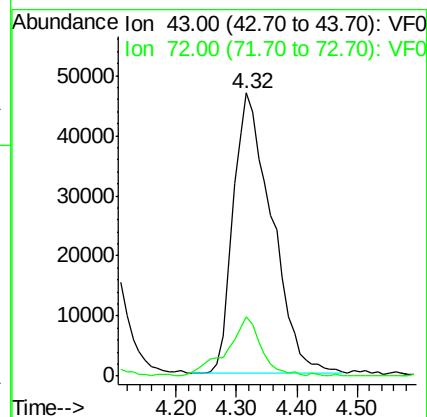
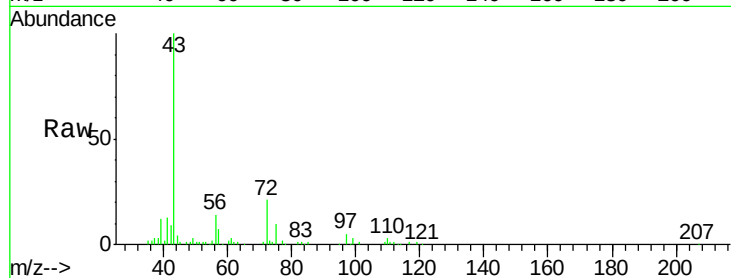
VSTDCCC050EC

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 42.134 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.01 min

Lab File: VF061434.D

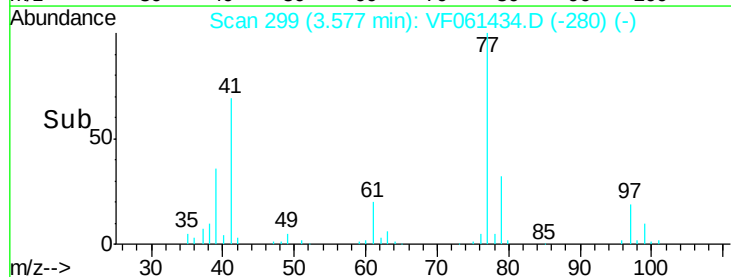
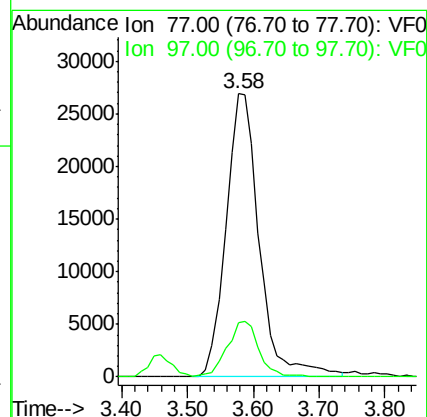
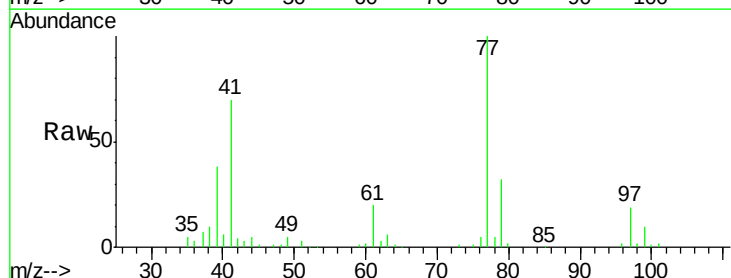
Acq: 17 Jan 2019 2:24

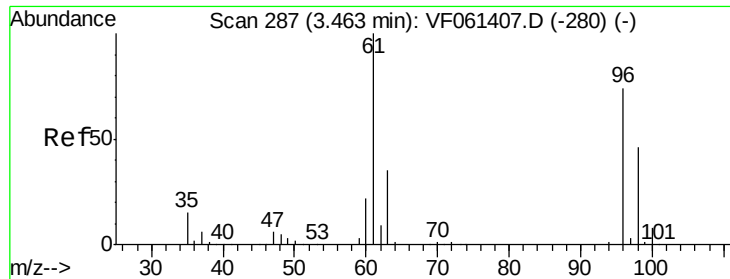
Tgt Ion: 77 Resp: 94851

Ion Ratio Lower Upper

77 100

97 19.3 8.5 25.5





#27

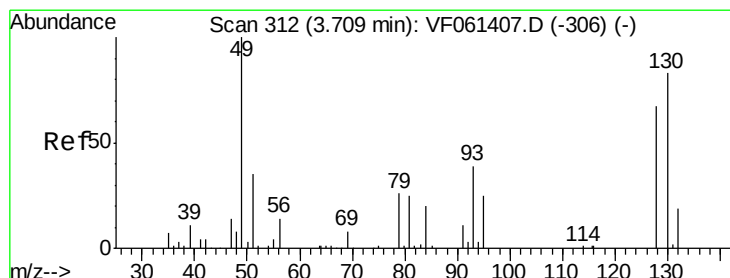
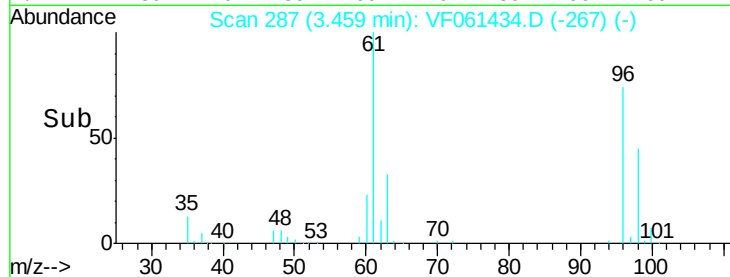
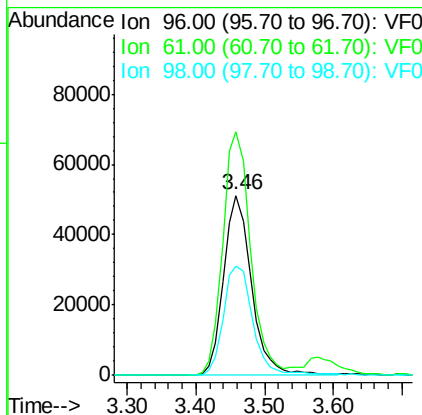
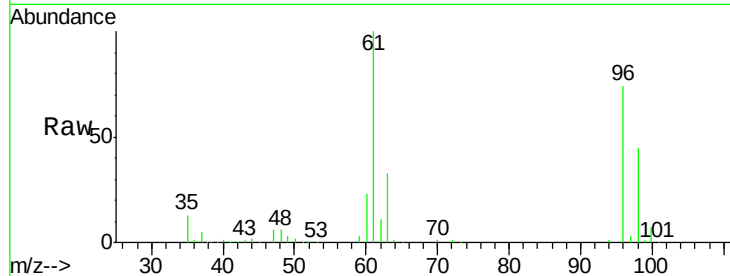
cis-1,2-Dichloroethene
Concen: 54.327 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.00 min
Lab File: VF061434.D
Acq: 17 Jan 2019 2:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	144746		
61	135.3	0.0	270.2	
98	60.7	0.0	124.0	

Manual Integrations
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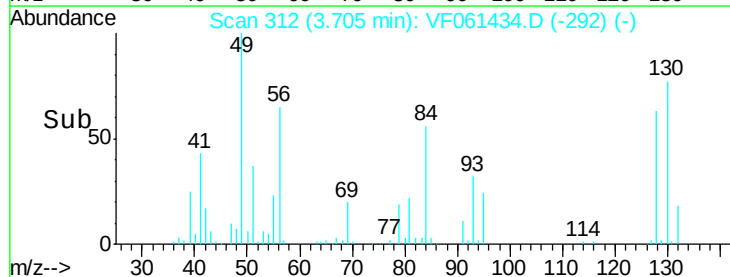
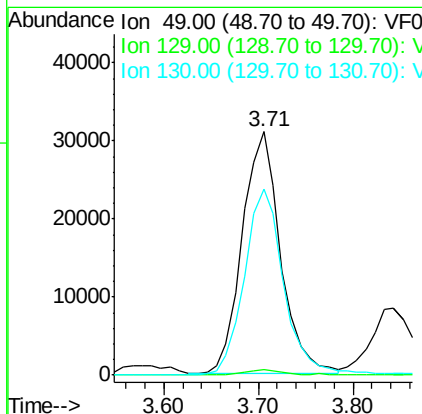
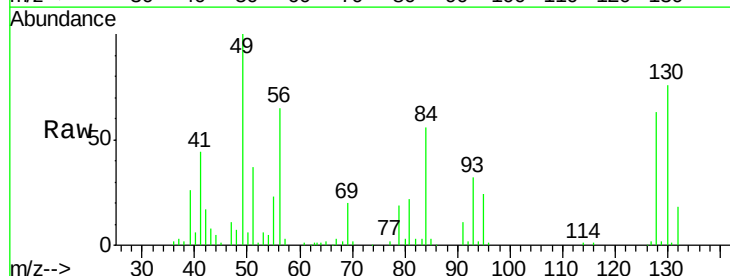
MMDadoda
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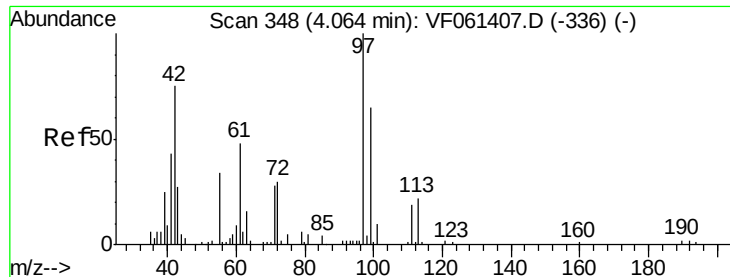


#28

Bromochloromethane
Concen: 52.876 ug/l
RT: 3.71 min Scan# 312
Delta R.T. -0.00 min
Lab File: VF061434.D
Acq: 17 Jan 2019 2:24

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	87088		
129	2.4	0.0	0.0#	
130	76.5	65.4	98.2	





#29

Tetrahydrofuran

Concen: 279.483 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.00 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Instrument :

MSVOA_F

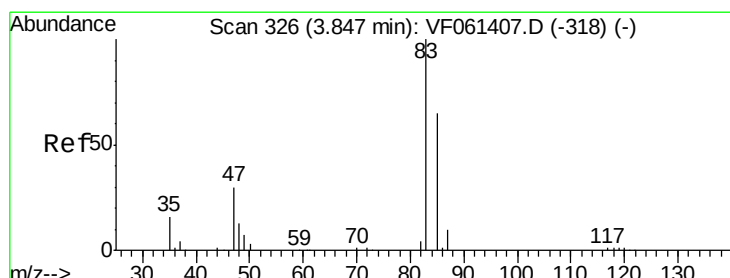
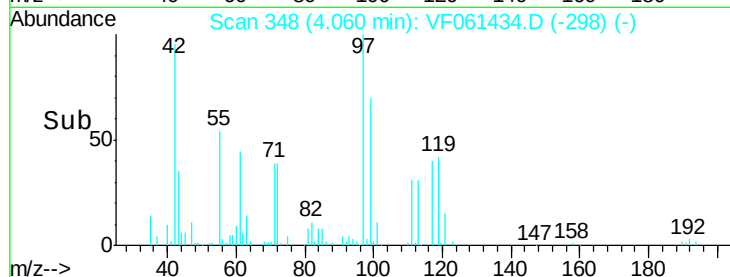
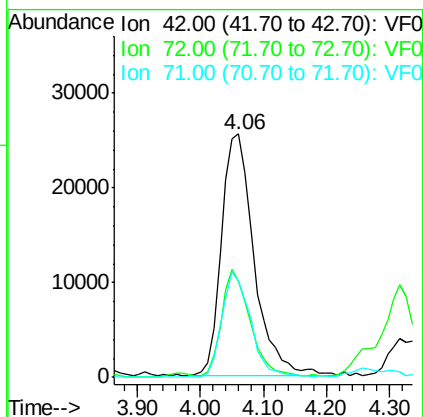
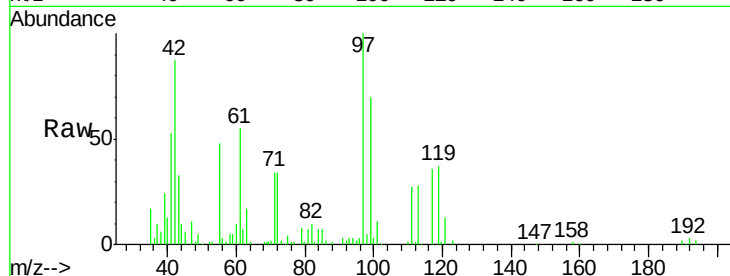
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	91427
Ion	Ratio	Lower	Upper
42	100		
72	39.4	28.9	43.3
71	38.9	29.6	44.4

Manual Integrations
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#30

Chloroform

Concen: 52.340 ug/l

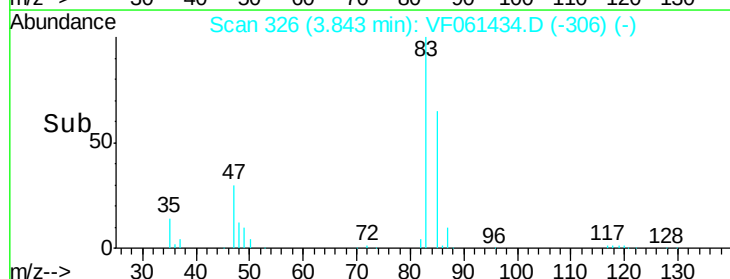
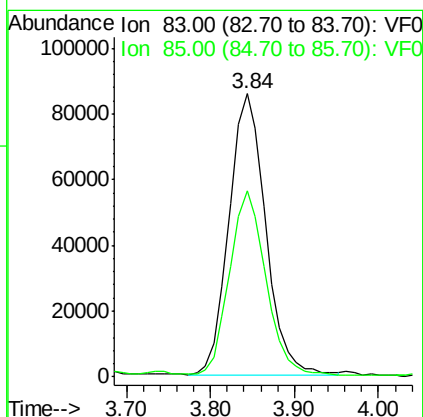
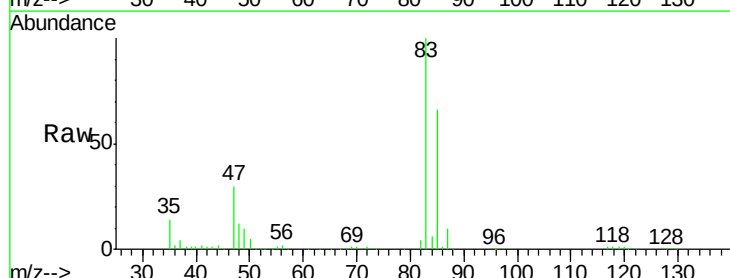
RT: 3.84 min Scan# 326

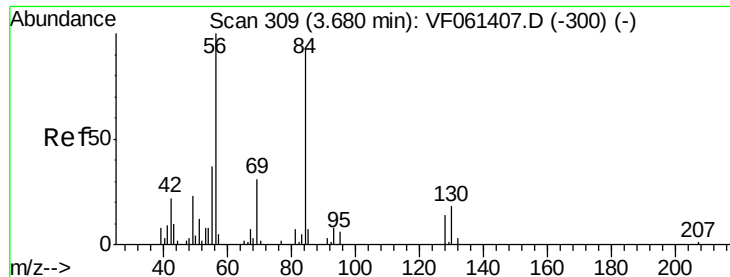
Delta R.T. -0.00 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Tgt Ion:	83	Resp:	258818
Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.7	79.1





#31

Cyclohexane

Concen: 57.761 ug/l m

RT: 3.68 min Scan# 309

Delta R.T. -0.00 min

Lab File: VF061434.D

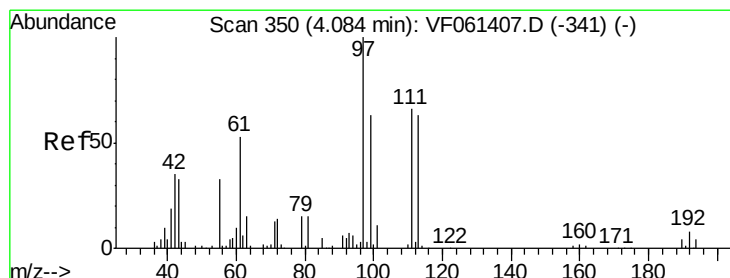
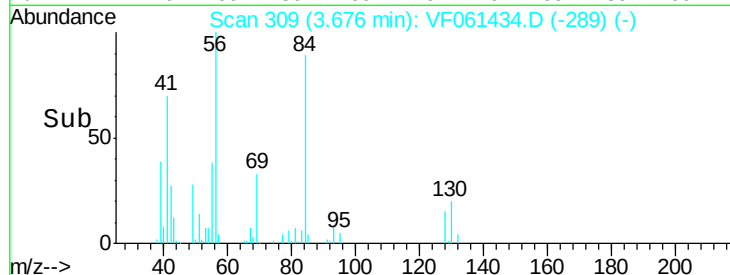
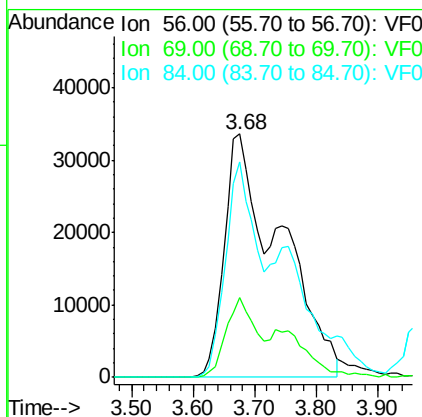
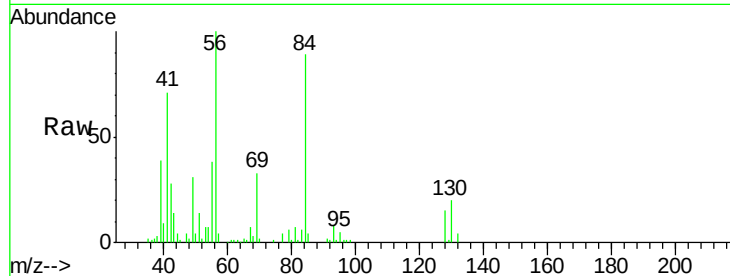
Acq: 17 Jan 2019 2:24

Tot Ion:	56	Resp:	211408
Ion Ratio	Lower	Upper	
56	100		
69	32.7	24.6	36.8
84	88.7	74.2	111.2

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 41.138 ug/l

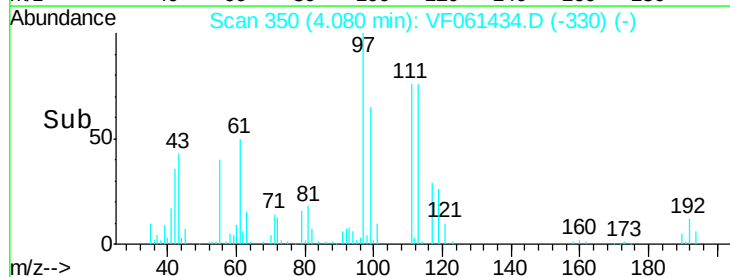
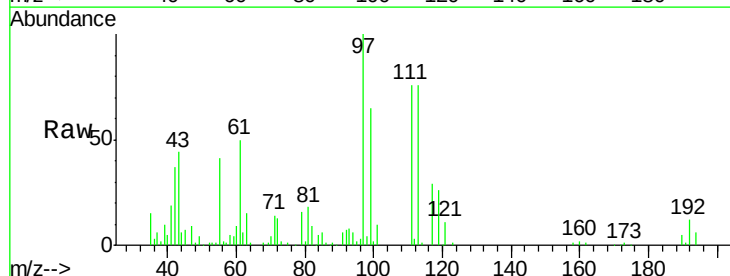
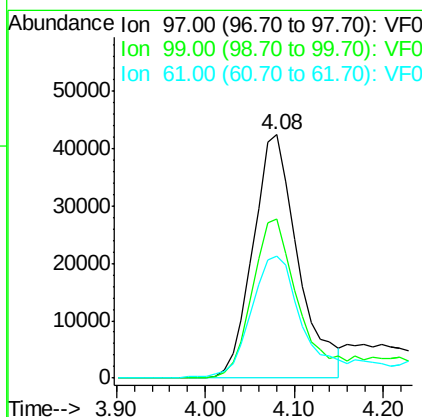
RT: 4.08 min Scan# 350

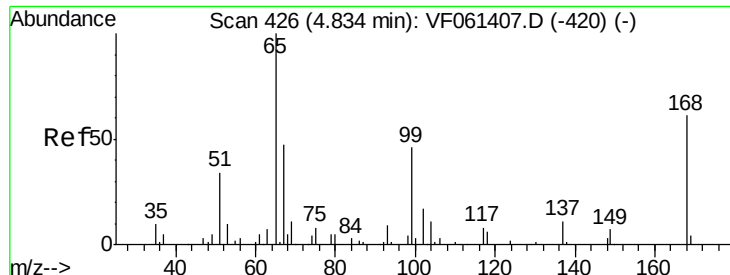
Delta R.T. -0.00 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Tgt Ion:	97	Resp:	149156
Ion Ratio	Lower	Upper	
97	100		
99	65.4	50.1	75.1
61	50.3	43.1	64.7





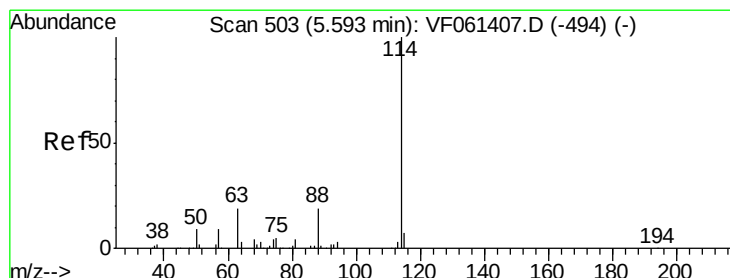
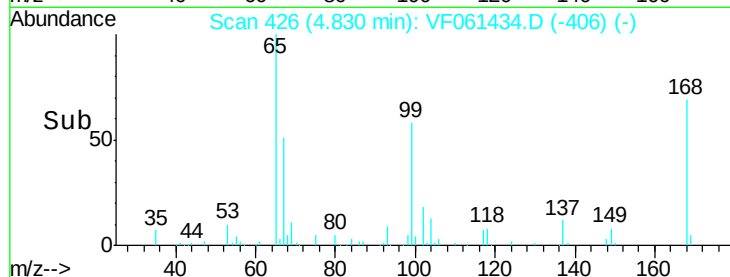
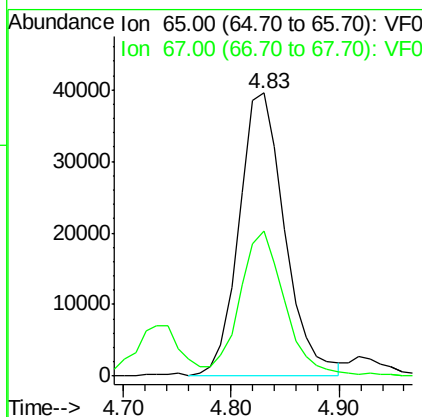
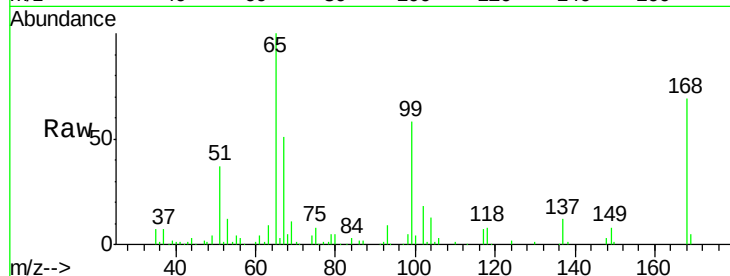
#33
 1,2-Dichloroethane-d4
 Concen: 50.716 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.00 min
 Lab File: VF061434.D
 Acq: 17 Jan 2019 2:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	115495		
67	51.2	0.0	99.8	

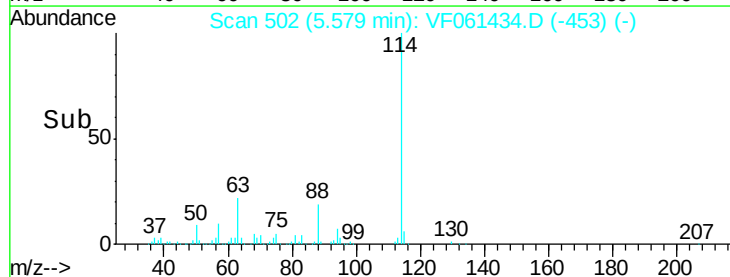
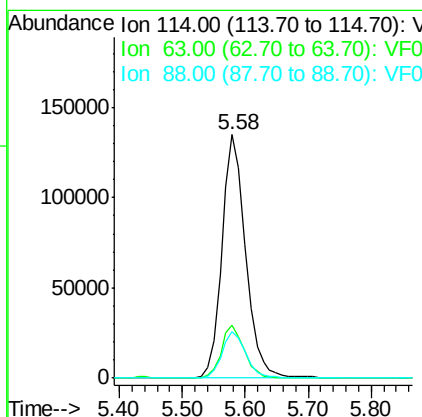
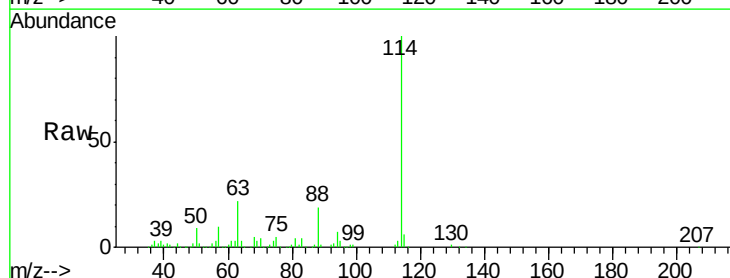
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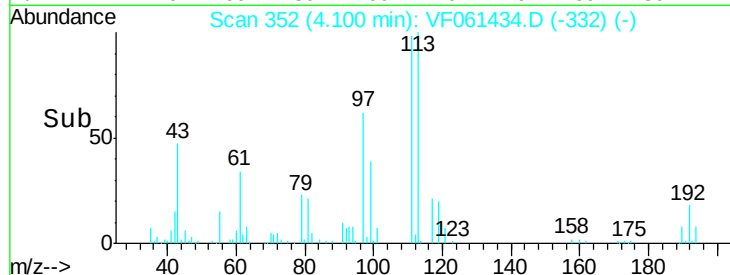
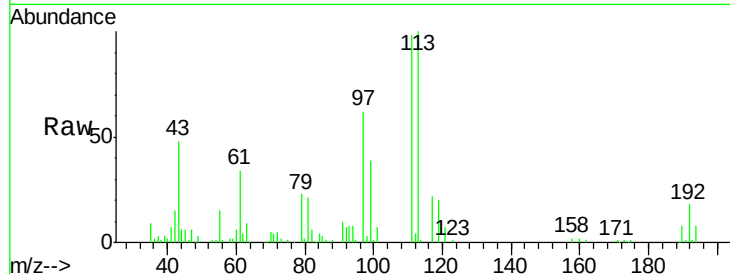
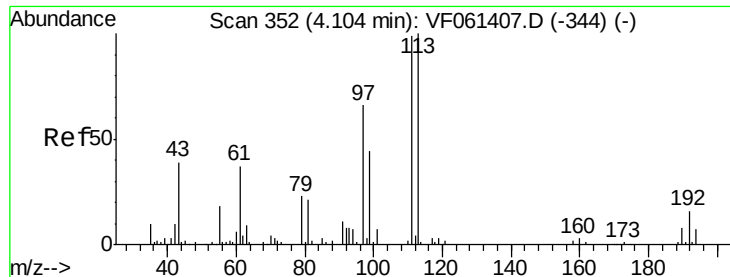
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.01 min
 Lab File: VF061434.D
 Acq: 17 Jan 2019 2:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	353593		
63	21.6	0.0	39.0	
88	19.1	0.0	37.4	





#35

Dibromofluoromethane

Concen: 47.473 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.00 min

Lab File: VF061434.D

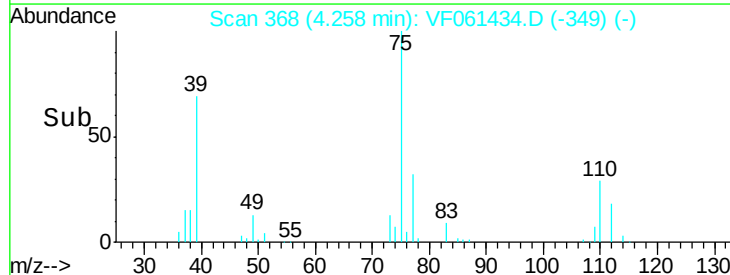
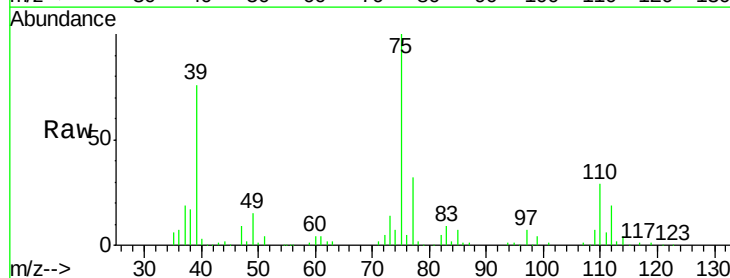
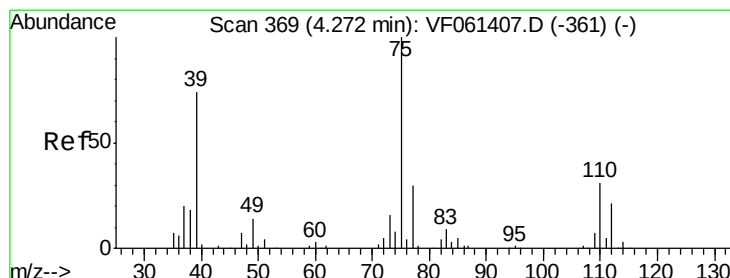
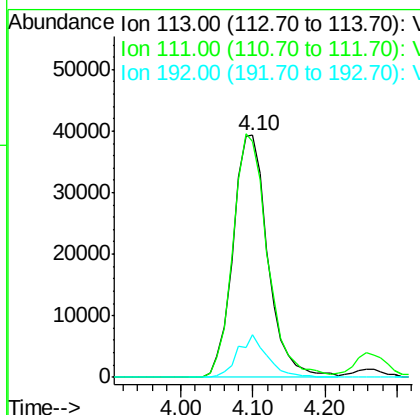
Acq: 17 Jan 2019 2:24

Tot Ion:	113	Resp:	132456
Ion Ratio	Lower	Upper	
113	100		
111	97.7	79.4	119.0
192	17.5	12.4	18.6

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

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#36

1,1-Dichloropropene

Concen: 49.503 ug/l

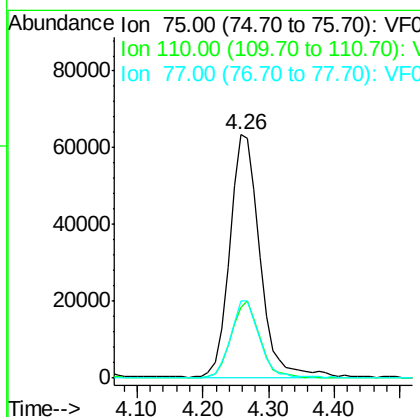
RT: 4.26 min Scan# 368

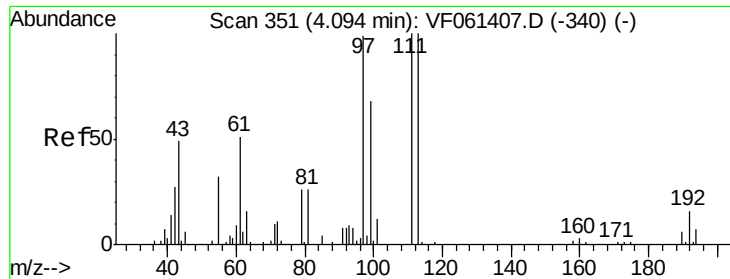
Delta R.T. -0.01 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Tgt Ion:	75	Resp:	202951
Ion Ratio	Lower	Upper	
75	100		
110	29.2	15.8	47.3
77	31.5	24.0	36.0





#37

Ethyl Acetate

Concen: 52.183 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.00 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Instrument :

MSVOA_F

ClientSampleId :

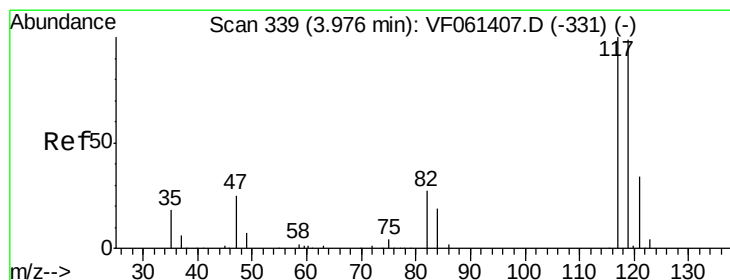
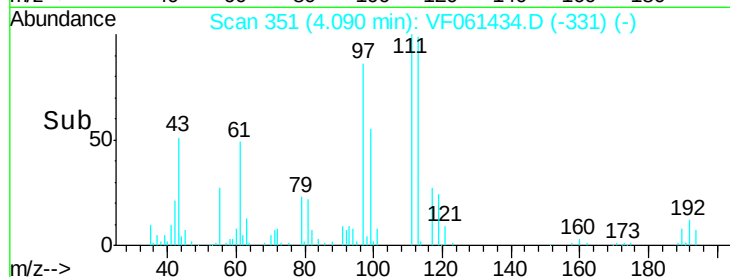
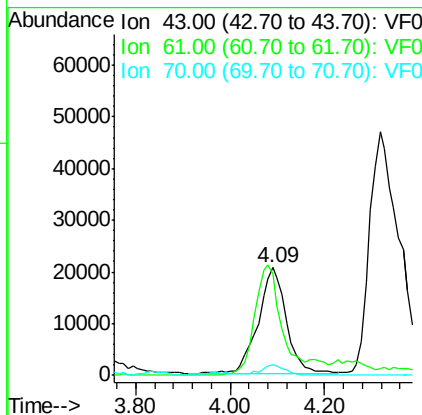
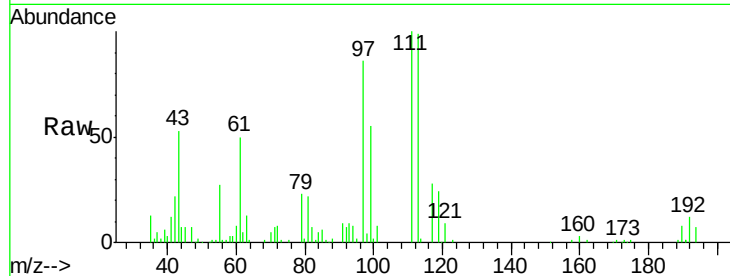
VSTDCCC050EC

Tot Ion: 43 Resp: 85517

Ion	Ratio	Lower	Upper
43	100		
61	94.2	81.7	122.5
70	9.5	6.2	9.2#

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 42.058 ug/l

RT: 3.97 min Scan# 339

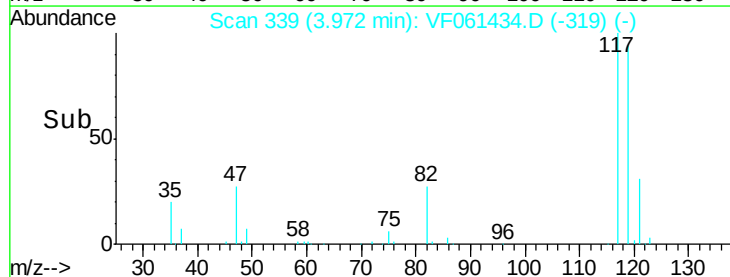
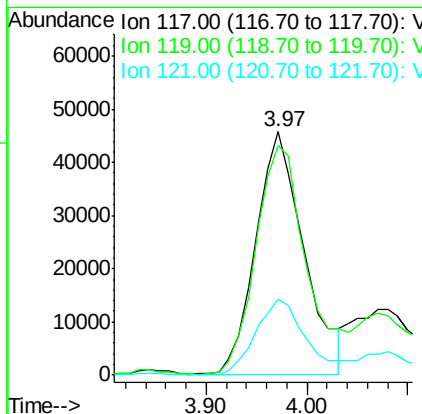
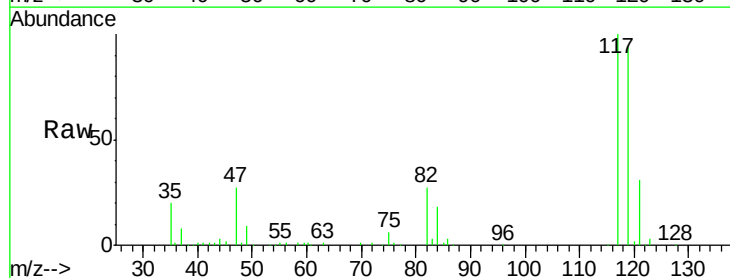
Delta R.T. -0.00 min

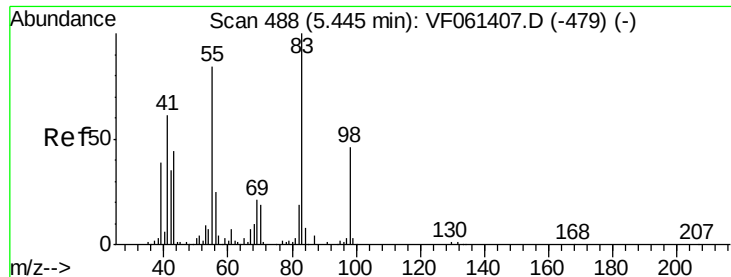
Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Tgt Ion: 117 Resp: 150742

Ion	Ratio	Lower	Upper
117	100		
119	94.4	79.0	118.6
121	31.0	27.0	40.6





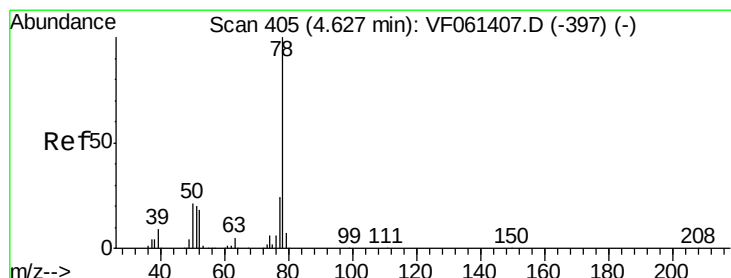
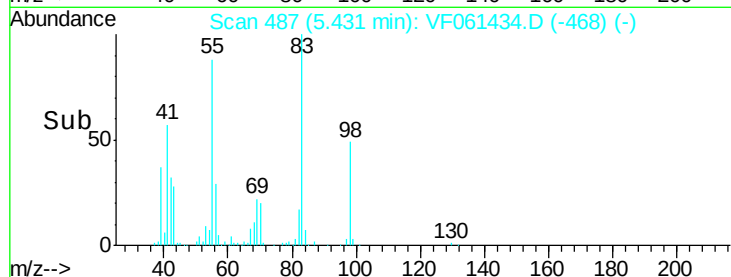
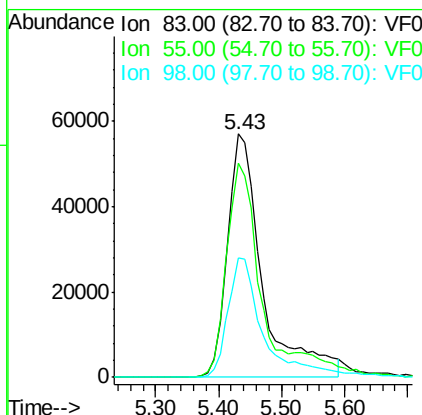
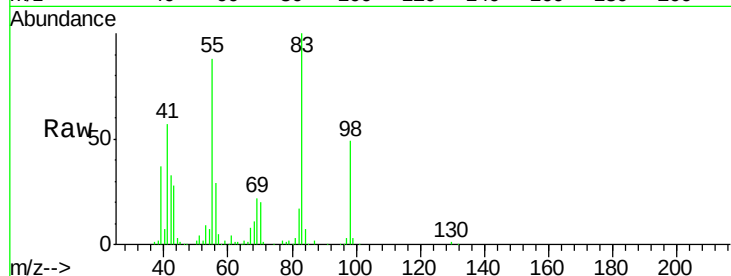
#39
Methylvlcyclohexane
Concen: 49.583 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.01 min
Lab File: VF061434.D
Acq: 17 Jan 2019 2:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.0	67.4	101.2
98	48.9	36.7	55.1

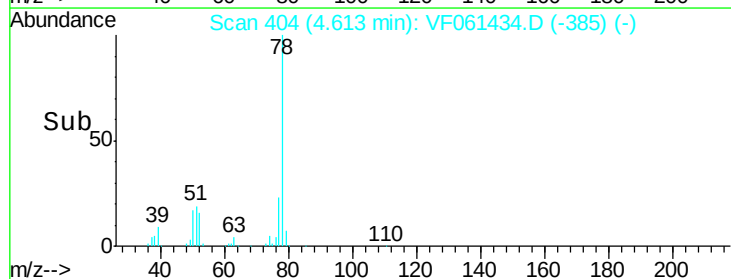
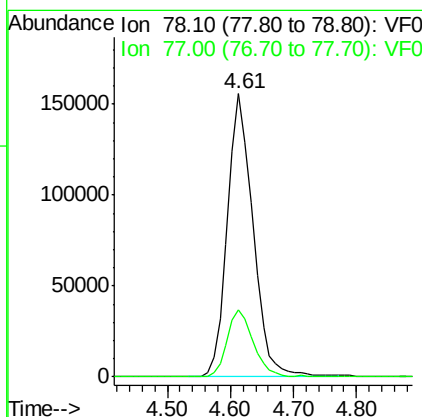
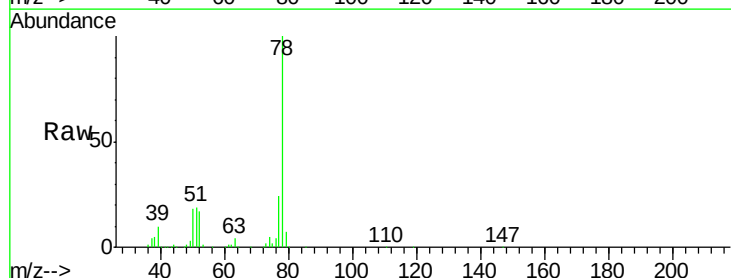
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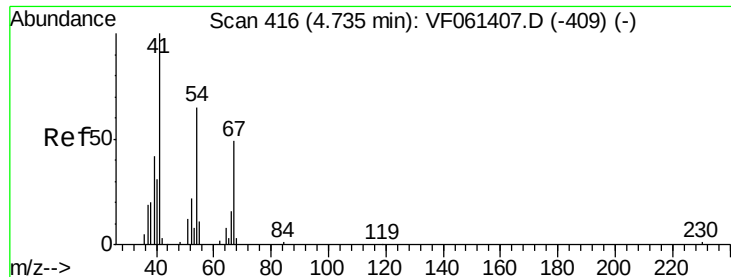
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#40
Benzene
Concen: 48.215 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.01 min
Lab File: VF061434.D
Acq: 17 Jan 2019 2:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.6





#41

Methacrylonitrile

Concen: 50.443 ug/l

RT: 4.73 min Scan# 416

Delta R.T. -0.00 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Instrument :

MSVOA_F

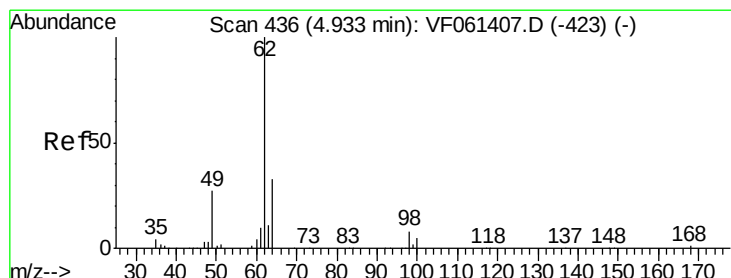
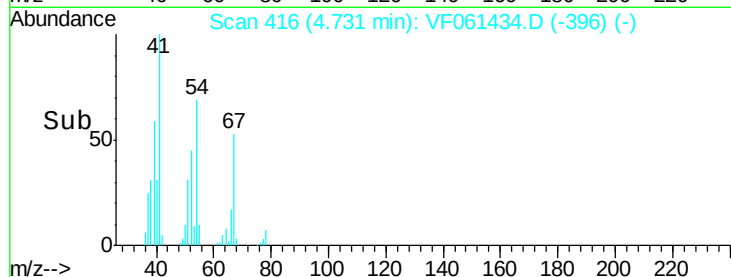
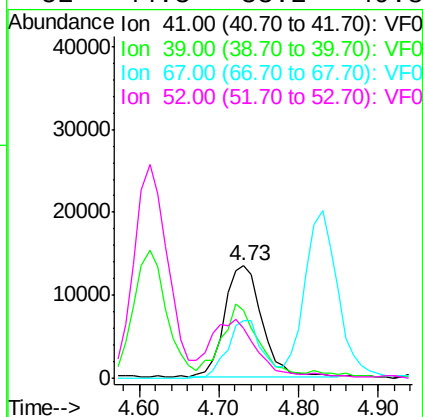
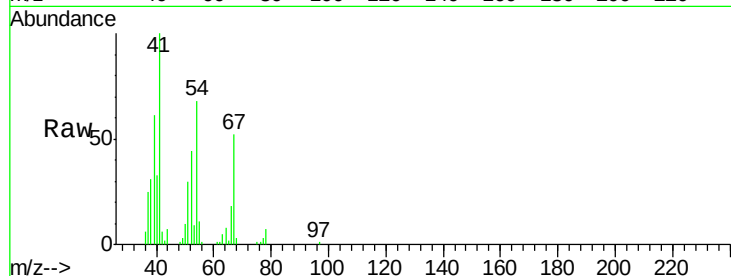
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		43987		
39	60.6	43.1	64.7		
67	51.5	38.8	58.2		
52	44.3	33.2	49.8		

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 47.725 ug/l

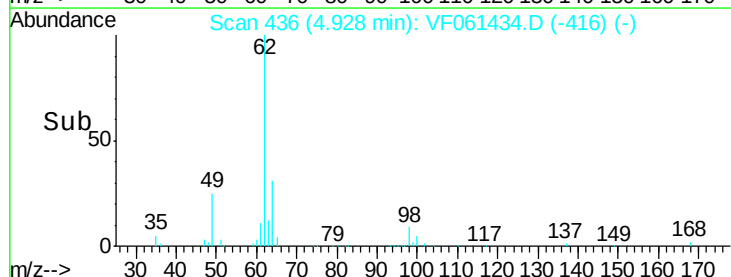
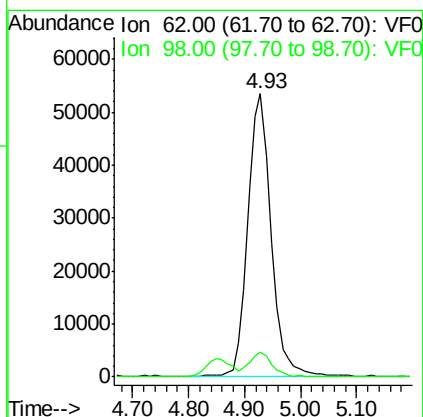
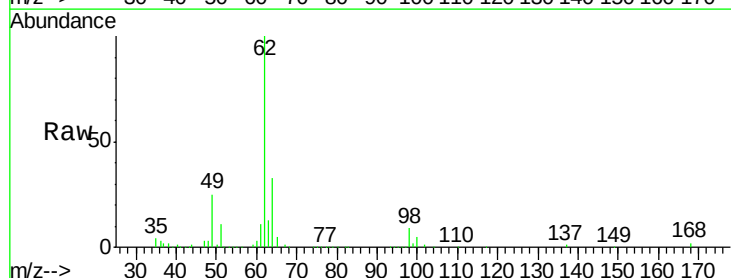
RT: 4.93 min Scan# 436

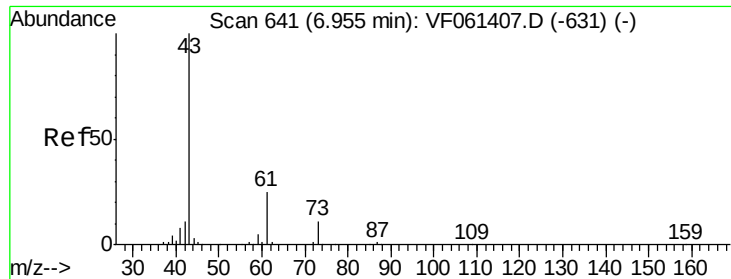
Delta R.T. -0.00 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		155143		
98	9.0	0.0	17.0		





#43

Isopropyl Acetate

Concen: 51.288 ug/l

RT: 6.94 min Scan# 640

Delta R.T. -0.01 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Instrument :

MSVOA_F

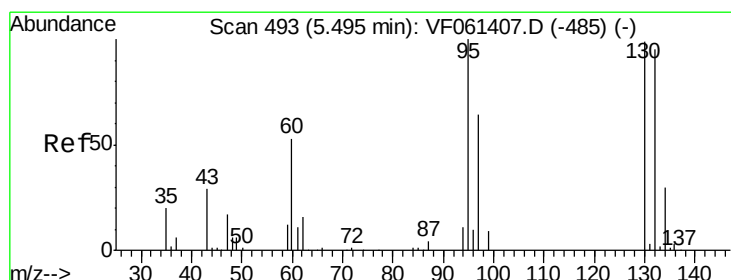
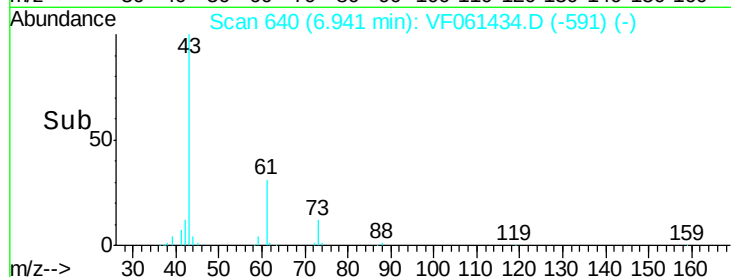
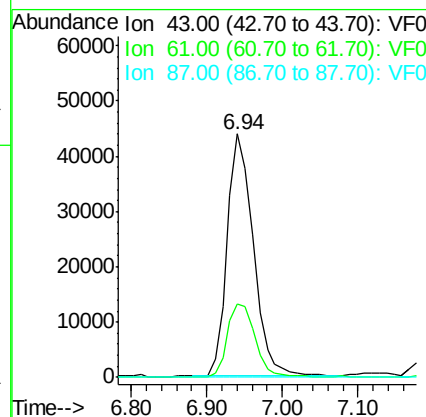
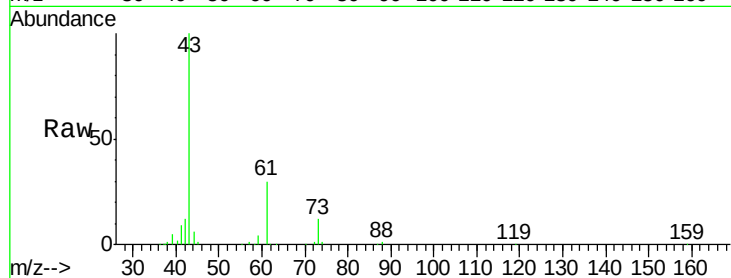
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	105490
Ion Ratio	Lower	Upper	
43	100		
61	29.9	20.3	30.5
87	0.4	0.5	0.7#

Manual Integrations
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#44

Trichloroethene

Concen: 49.301 ug/l

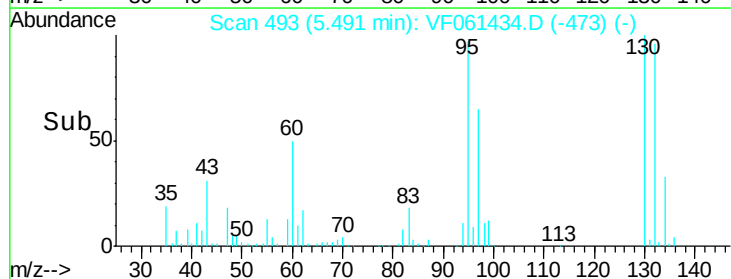
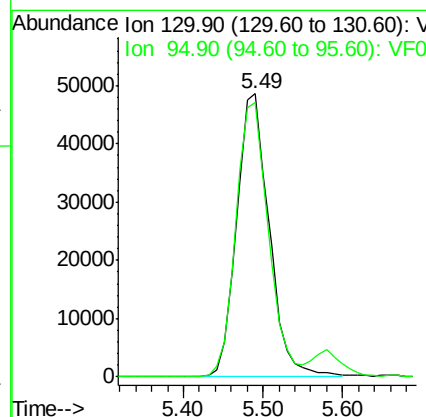
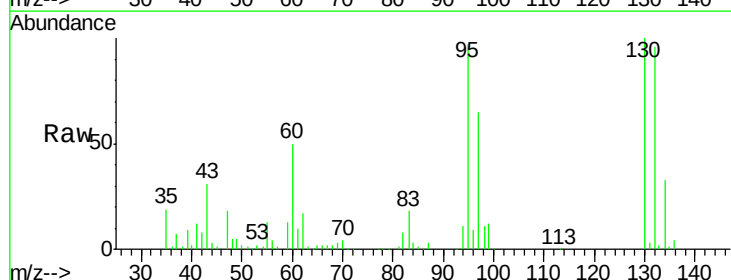
RT: 5.49 min Scan# 493

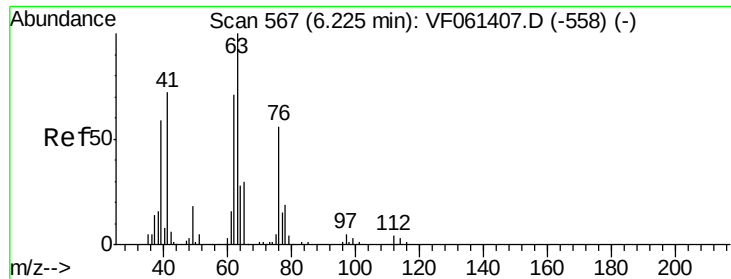
Delta R.T. -0.00 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Tgt Ion:	130	Resp:	137969
Ion Ratio	Lower	Upper	
130	100		
95	96.9	0.0	202.8





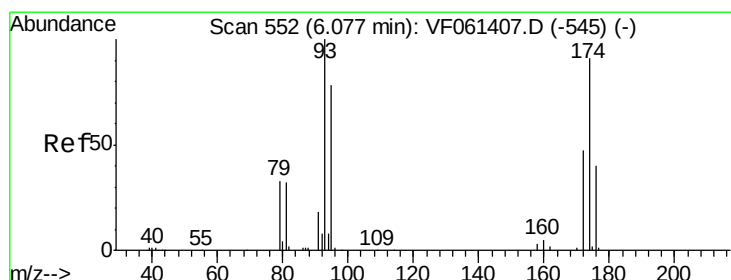
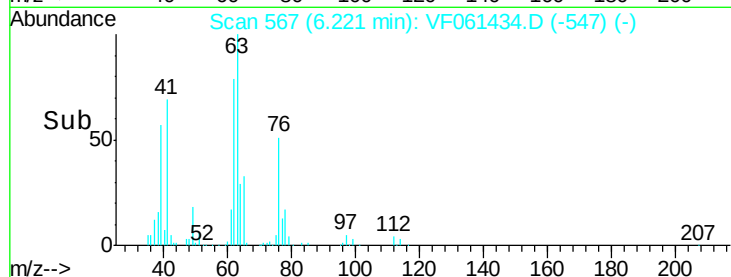
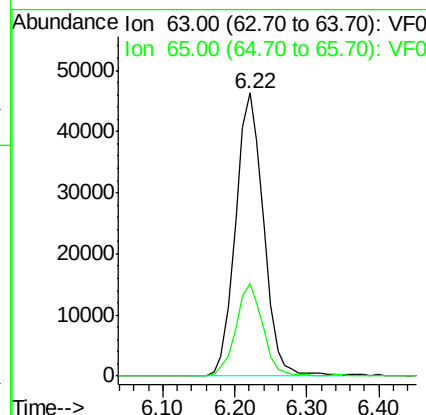
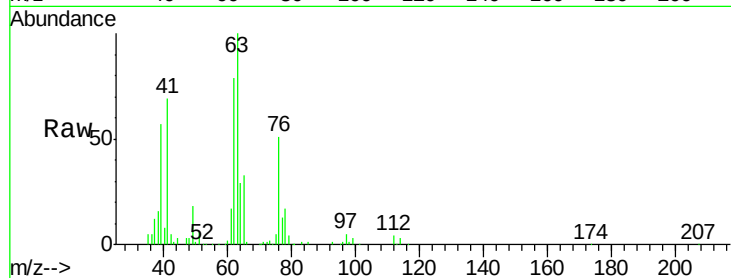
#45
 1,2-Dichloropropane
 Concen: 52.469 ug/l
 RT: 6.22 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VF061434.D
 Acq: 17 Jan 2019 2:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 125624
 Ion Ratio Lower Upper
 63 100
 65 32.7 24.4 36.6

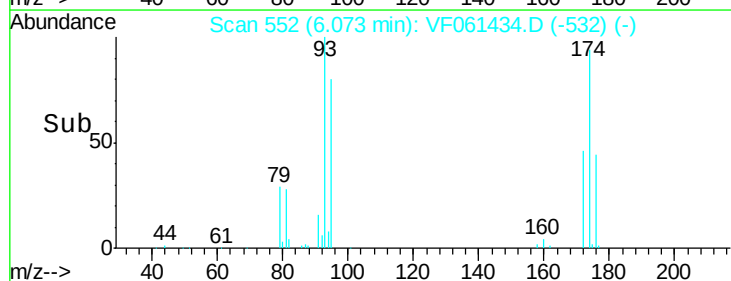
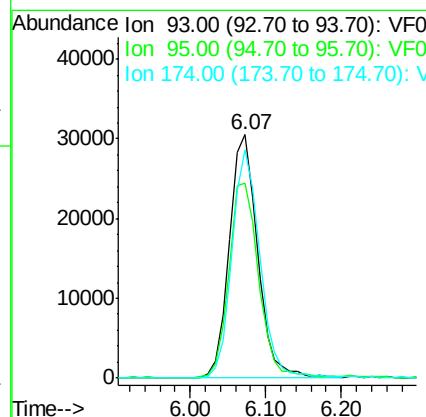
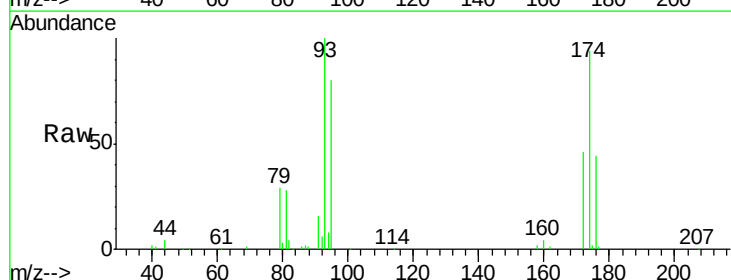
Manual Integrations
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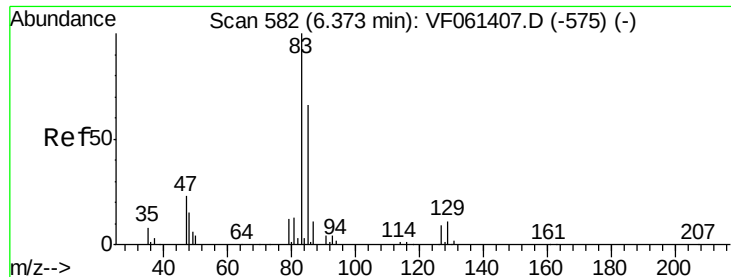
MMDadoda
 1/17/2019 1:24:23 PM



#46
 Dibromomethane
 Concen: 49.902 ug/l
 RT: 6.07 min Scan# 552
 Delta R.T. -0.00 min
 Lab File: VF061434.D
 Acq: 17 Jan 2019 2:24

Tgt Ion: 93 Resp: 79446
 Ion Ratio Lower Upper
 93 100
 95 80.2 62.1 93.1
 174 95.4 74.6 111.8





#47

Bromodichloromethane

Concen: 51.348 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.00 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Instrument :

MSVOA_F

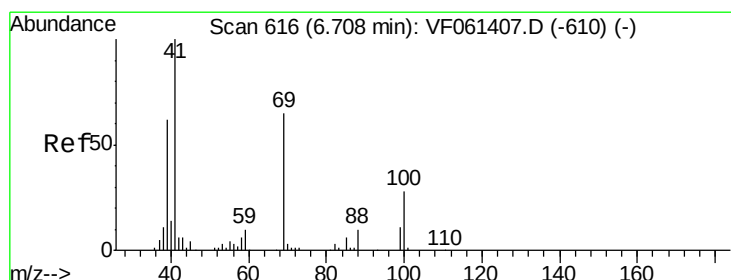
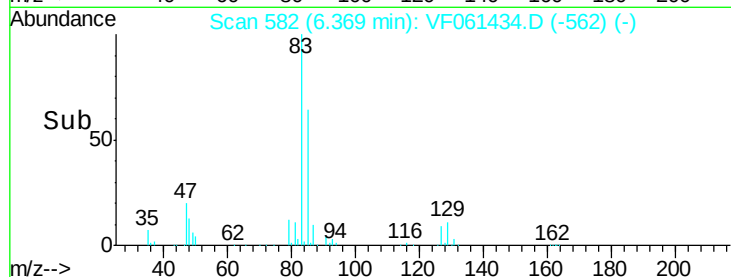
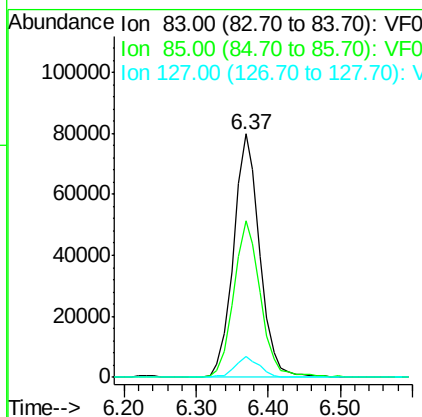
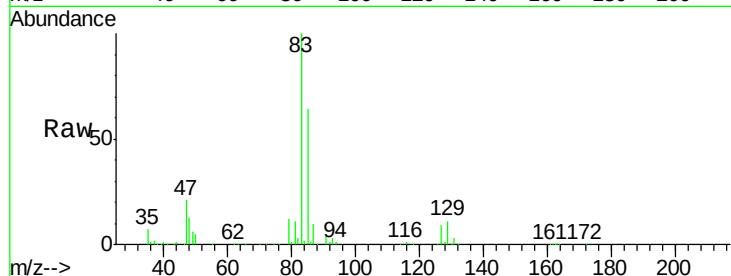
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	202261
Ion Ratio	Lower	Upper	
83	100		
85	64.1	53.0	79.4
127	8.7	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.402 ug/l

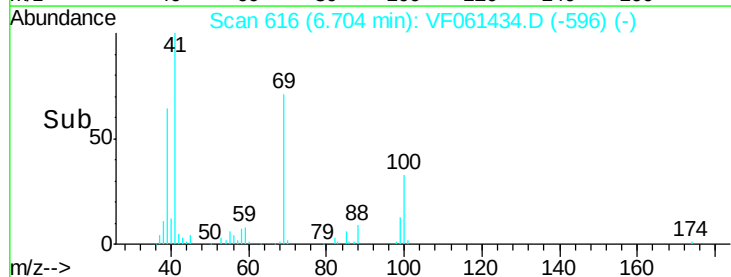
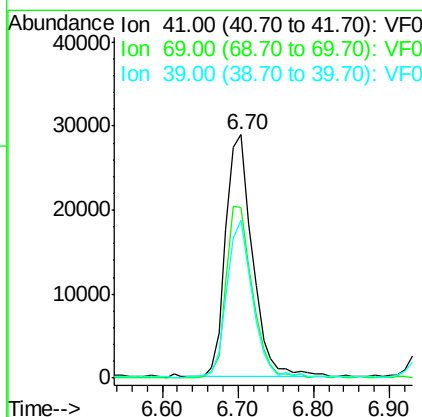
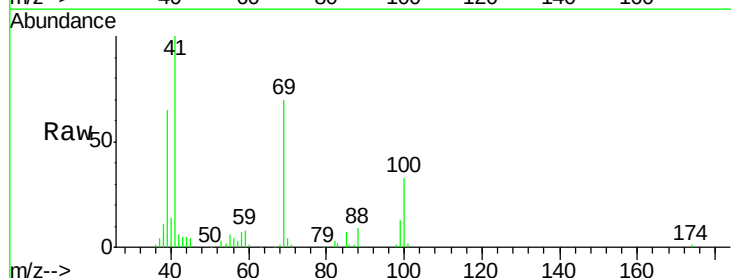
RT: 6.70 min Scan# 616

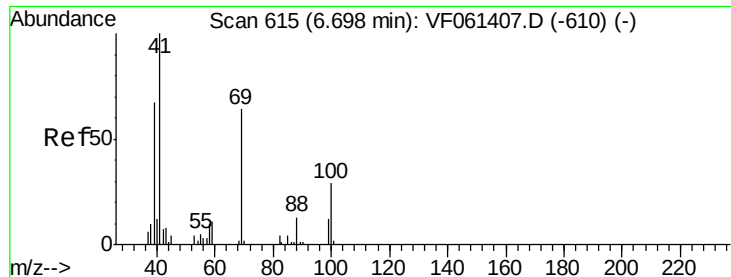
Delta R.T. -0.00 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Tgt Ion:	41	Resp:	70994
Ion Ratio	Lower	Upper	
41	100		
69	70.1	51.7	77.5
39	65.1	49.2	73.8





#49

1,4-Dioxane

Concen: 1181.346 ug/l

RT: 6.68 min Scan# 614

Delta R.T. -0.01 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Instrument :

MSVOA_F

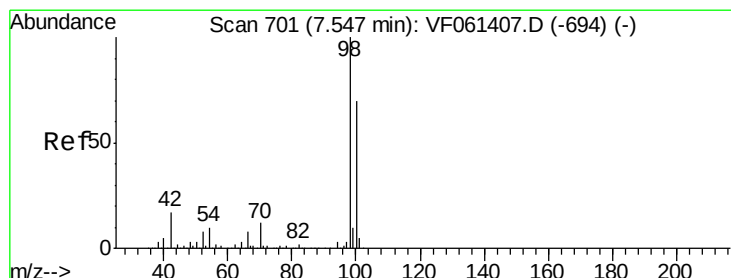
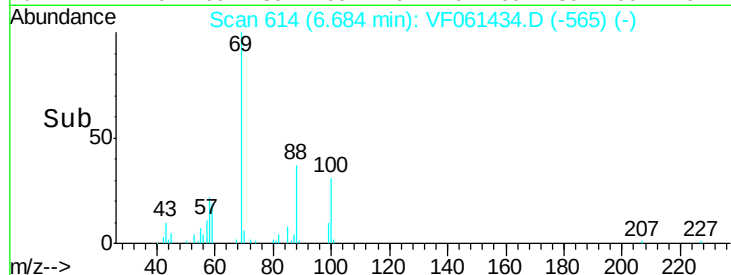
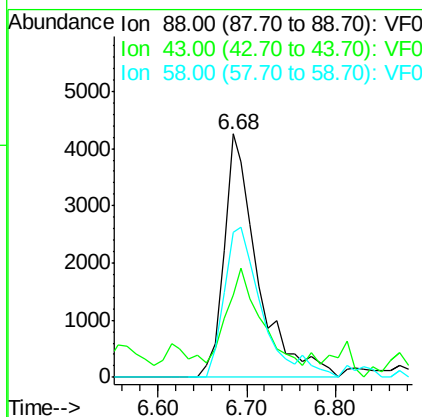
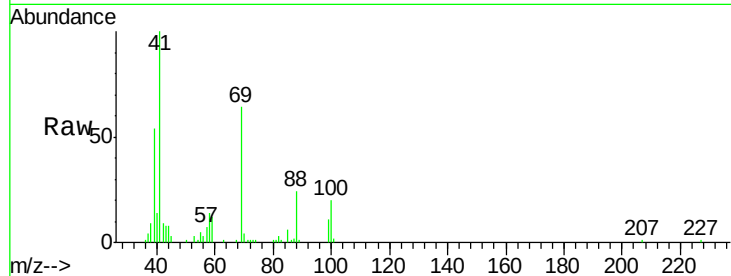
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	11268
Ion Ratio	Lower	Upper	
88	100		
43	33.9	55.5	83.3#
58	59.6	59.9	89.9#

Manual Integrations
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#50

Toluene-d8

Concen: 50.280 ug/l

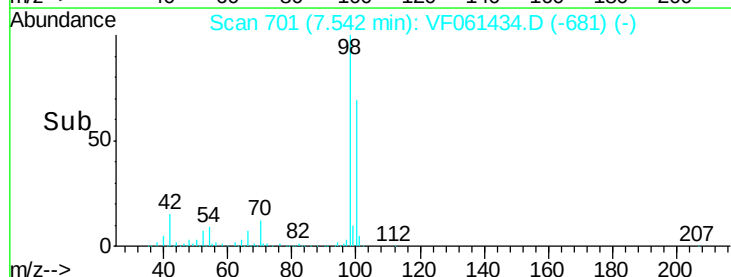
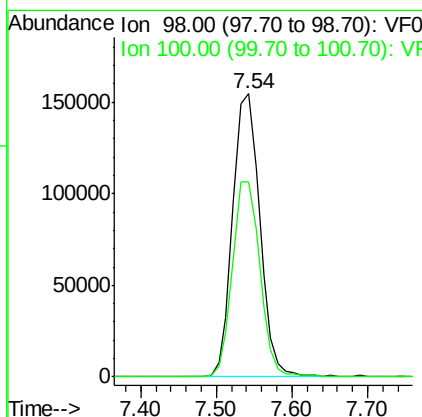
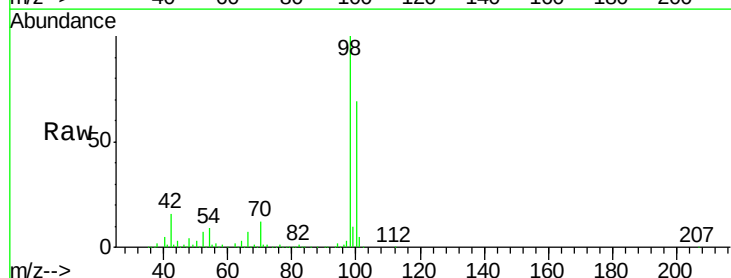
RT: 7.54 min Scan# 701

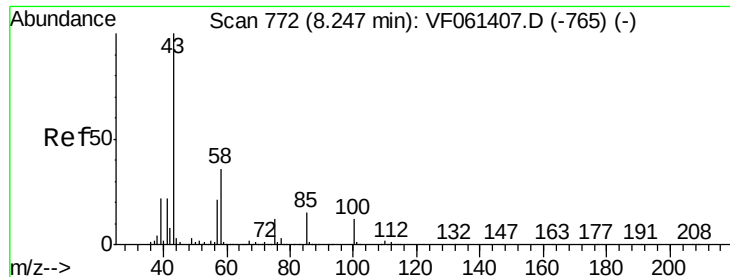
Delta R.T. -0.00 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Tgt Ion:	98	Resp:	384365
Ion Ratio	Lower	Upper	
98	100		
100	69.1	55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 259.177 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.00 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 391895

Ion Ratio Lower Upper

43 100

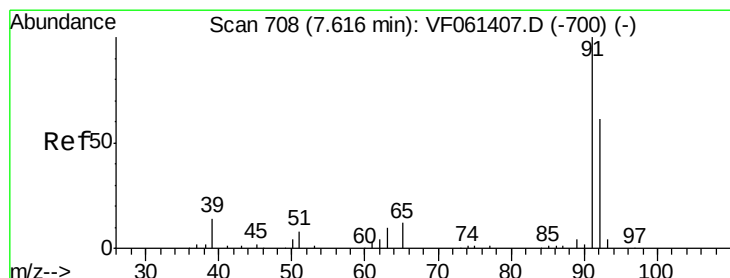
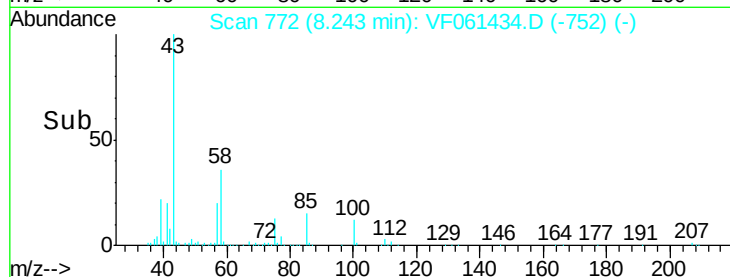
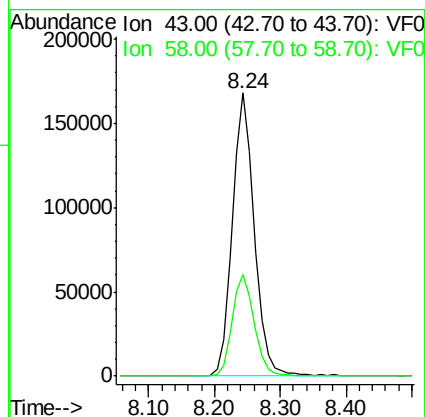
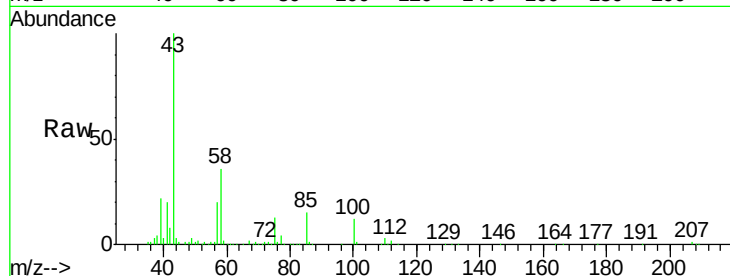
58 36.0 28.8 43.2

Manual Integrations

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#52

Toluene

Concen: 48.830 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.00 min

Lab File: VF061434.D

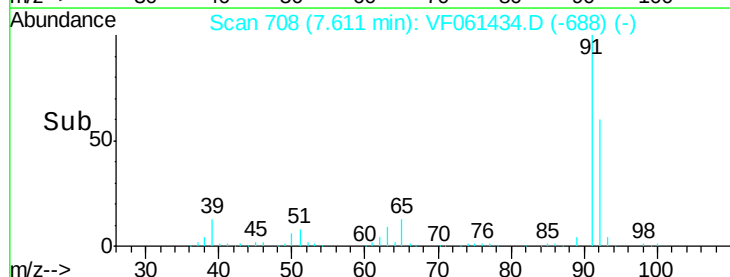
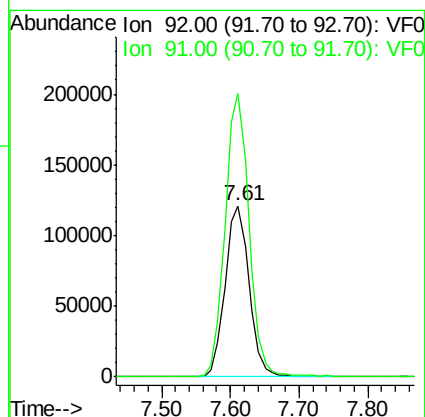
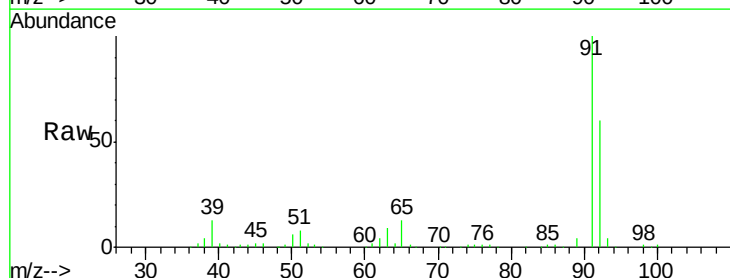
Acq: 17 Jan 2019 2:24

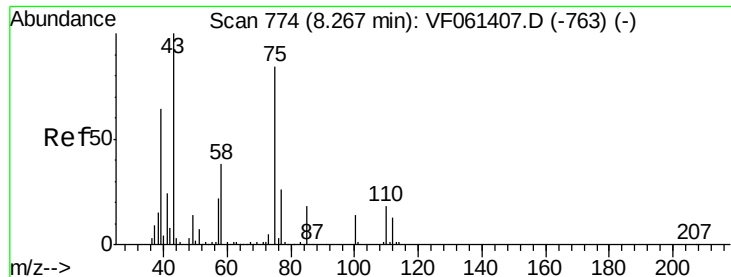
Tgt Ion: 92 Resp: 293347

Ion Ratio Lower Upper

92 100

91 165.4 131.2 196.8





#53

t-1,3-Dichloropropene

Concen: 48.751 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.00 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 152483

Ion Ratio Lower Upper

75 100

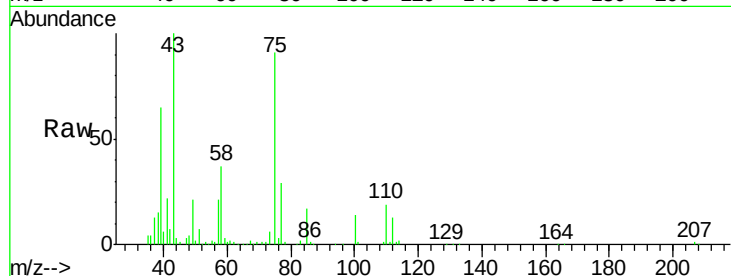
77 31.8 24.4 36.6

Manual Integrations

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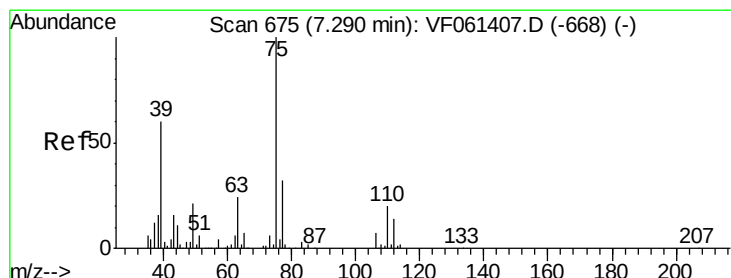
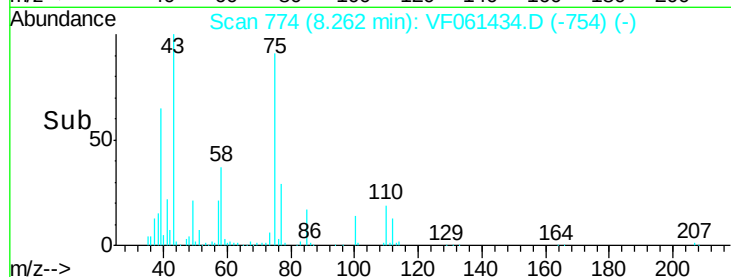
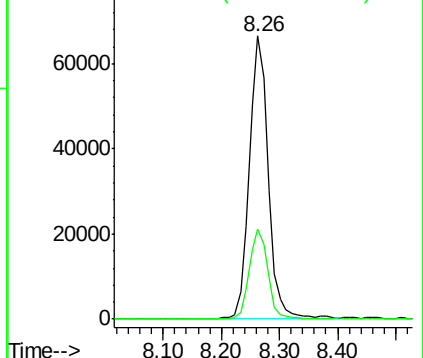
MMDadoda

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 52.149 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.00 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

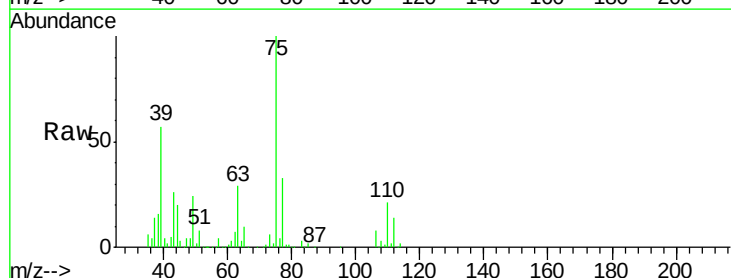
Tgt Ion: 75 Resp: 203885

Ion Ratio Lower Upper

75 100

77 32.6 25.4 38.0

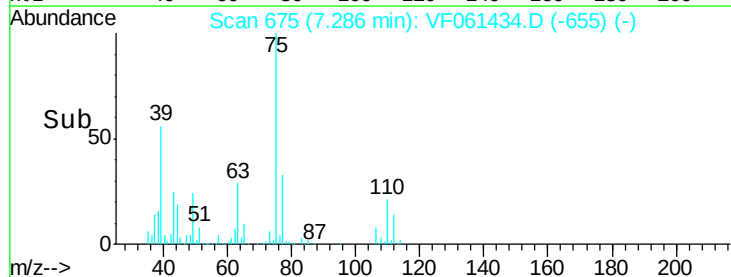
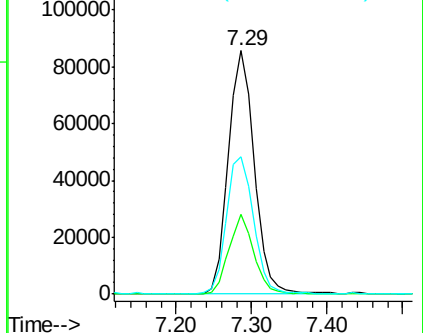
39 56.6 47.8 71.8

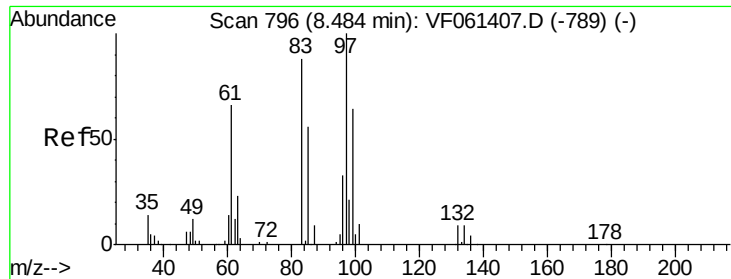


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 52.576 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.00 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Instrument :

MSVOA_F

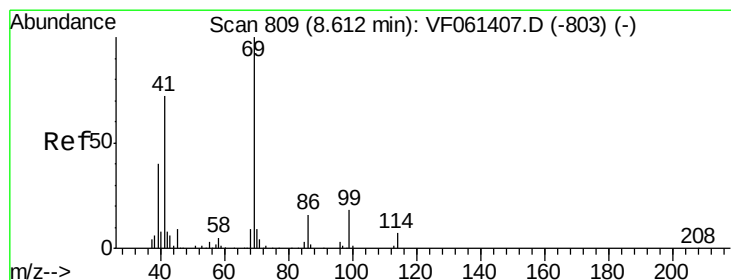
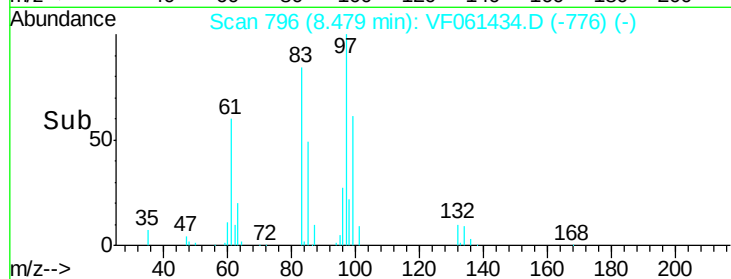
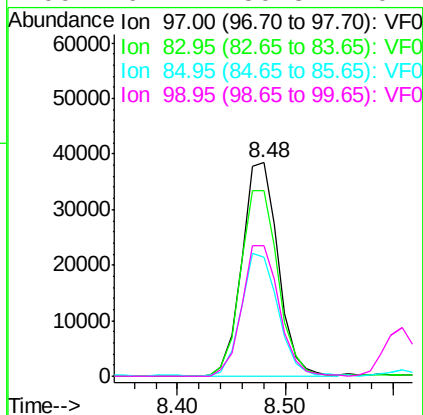
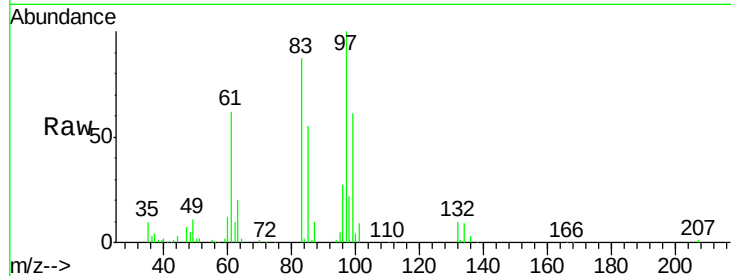
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	89694
Ion	Ratio	Lower	Upper
97	100		
83	86.8	70.4	105.6
85	55.5	44.7	67.1
99	61.1	50.8	76.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 49.603 ug/l

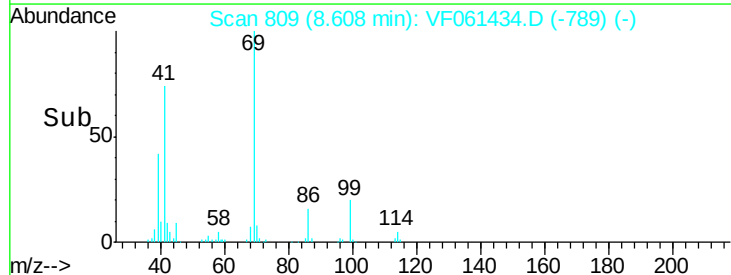
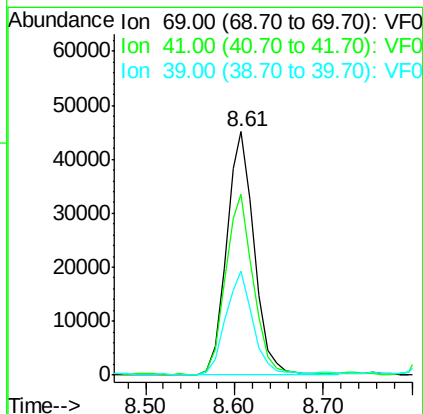
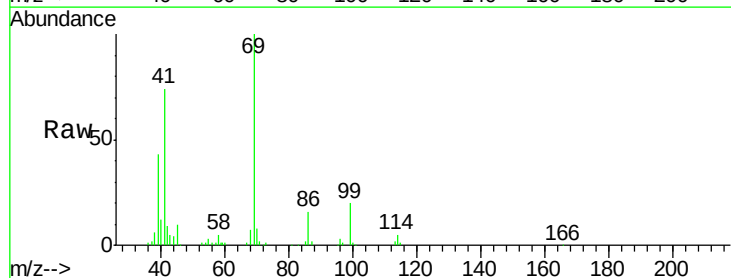
RT: 8.61 min Scan# 809

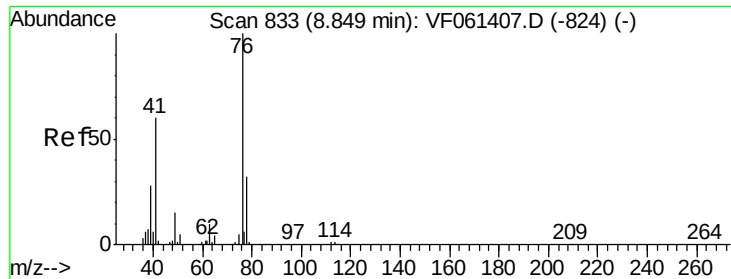
Delta R.T. -0.00 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Tgt Ion:	69	Resp:	98451
Ion	Ratio	Lower	Upper
69	100		
41	74.5	57.5	86.3
39	42.7	32.0	48.0





#57

1,3-Dichloropropane

Concen: 50.748 ug/l

RT: 8.83 min Scan# 832

Delta R.T. -0.01 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 162273

Ion Ratio Lower Upper

76 100

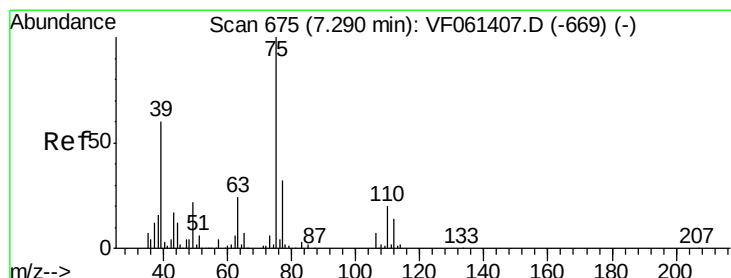
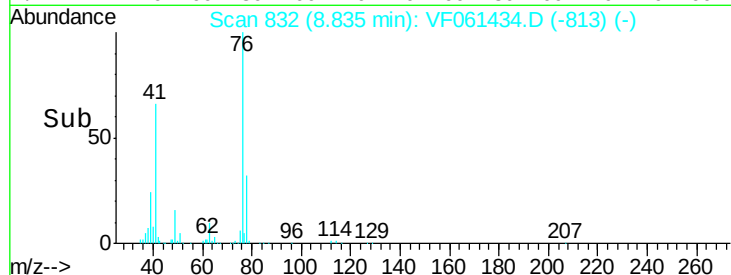
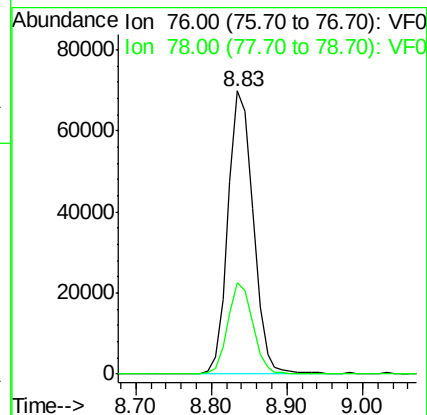
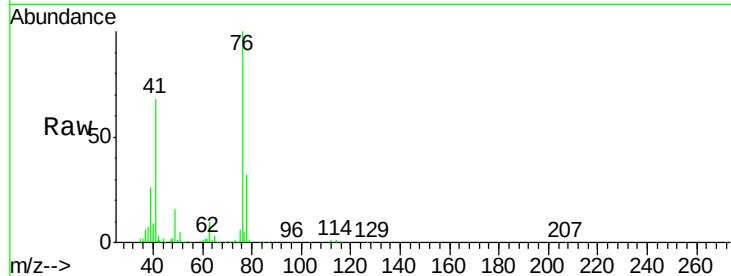
78 32.1 25.3 37.9

Manual Integrations

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1/17/2019 1:24:23 PM



#58

2-Chloroethyl Vinyl ether

Concen: 295.469 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.01 min

Lab File: VF061434.D

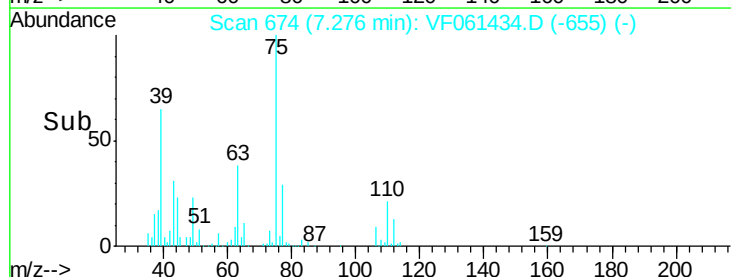
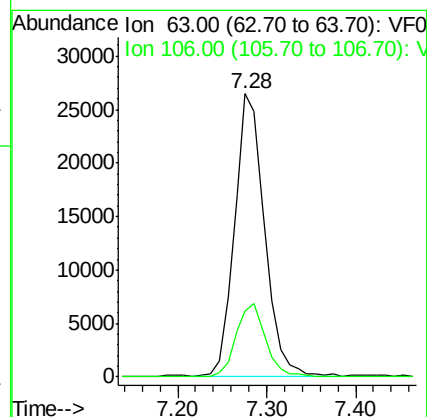
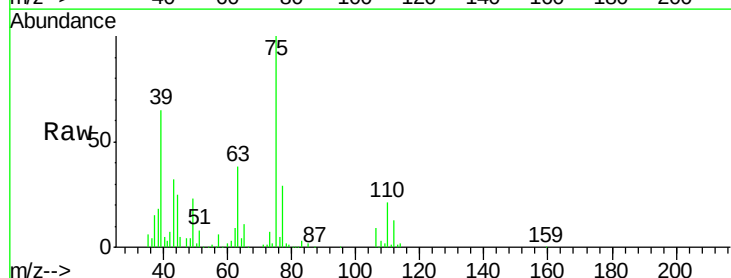
Acq: 17 Jan 2019 2:24

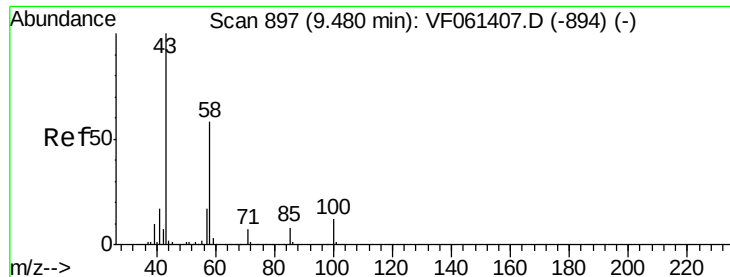
Tgt Ion: 63 Resp: 62666

Ion Ratio Lower Upper

63 100

106 23.3 21.9 32.9





#59

2-Hexanone

Concen: 246.897 ug/l

RT: 9.48 min Scan# 897

Delta R.T. -0.00 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 260329

Ion Ratio Lower Upper

43 100

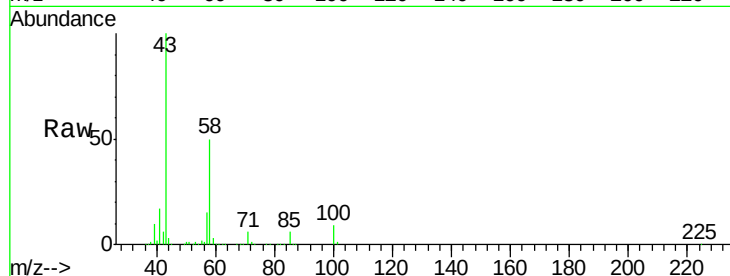
58 50.4 25.9 77.6

Manual Integrations

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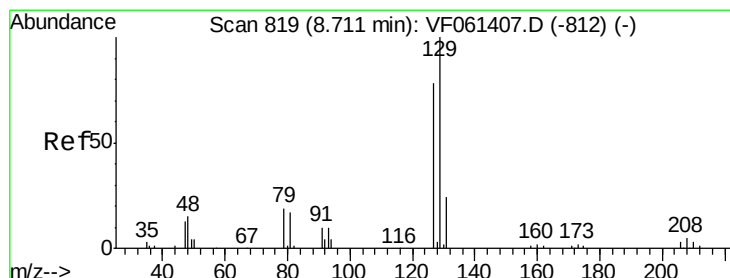
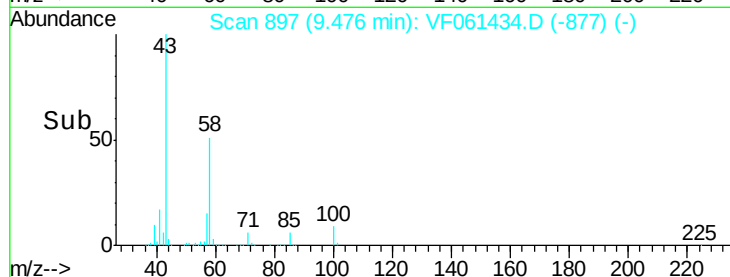
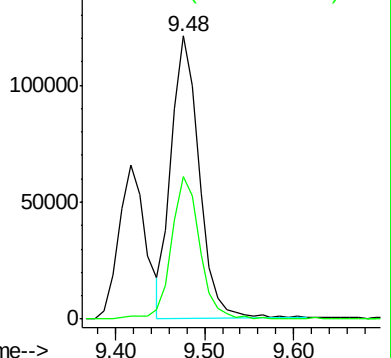
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#60

Dibromochloromethane

Concen: 49.907 ug/l

RT: 8.71 min Scan# 819

Delta R.T. -0.00 min

Lab File: VF061434.D

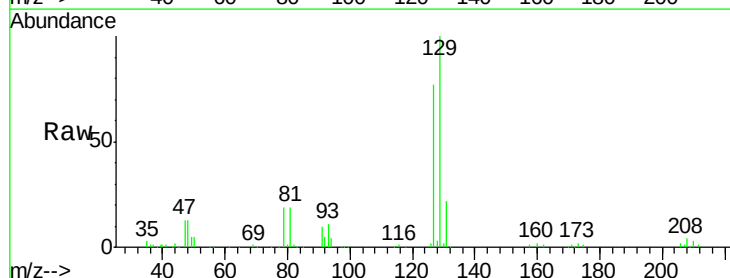
Acq: 17 Jan 2019 2:24

Tgt Ion: 129 Resp: 124471

Ion Ratio Lower Upper

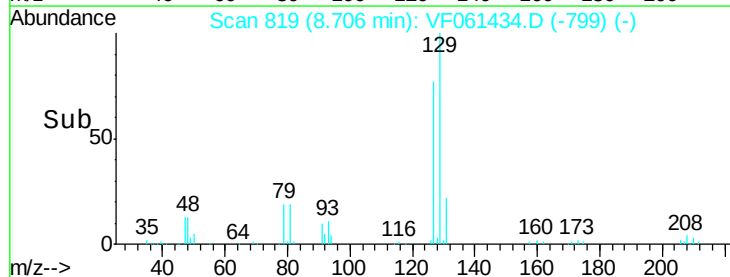
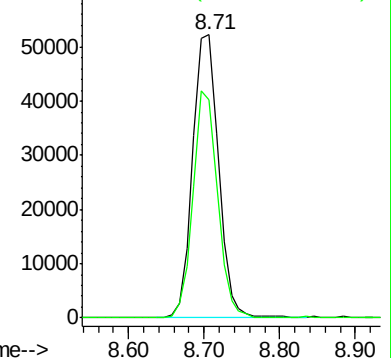
129 100

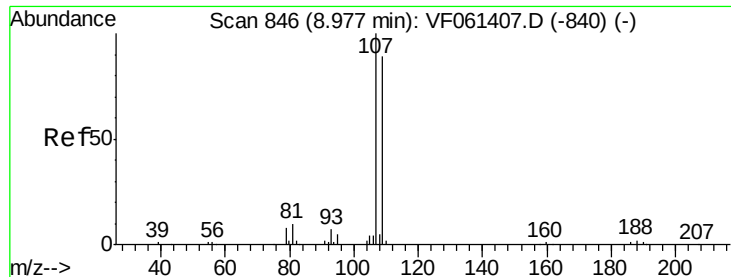
127 76.8 39.1 117.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#61

1,2-Dibromoethane

Concen: 49.455 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.00 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 96584

Ion Ratio Lower Upper

107 100

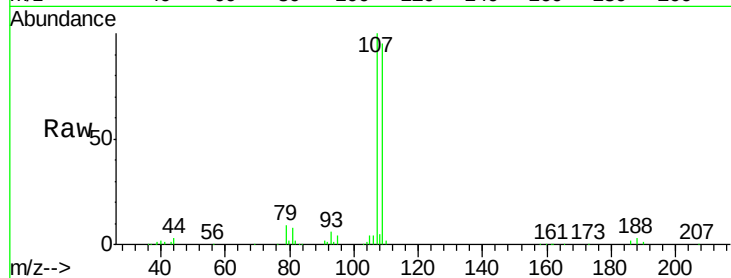
109 95.4 70.8 106.2

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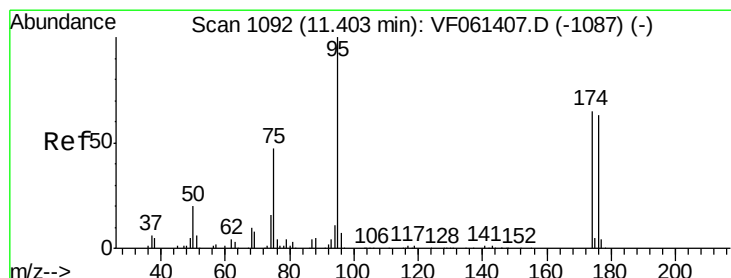
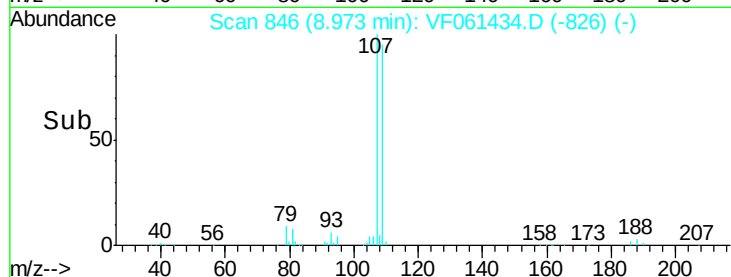
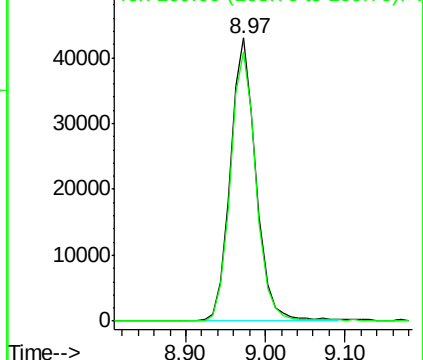
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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 44.960 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

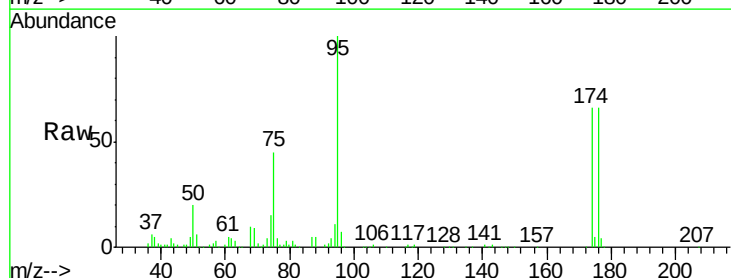
Tgt Ion: 95 Resp: 160586

Ion Ratio Lower Upper

95 100

174 65.6 0.0 130.4

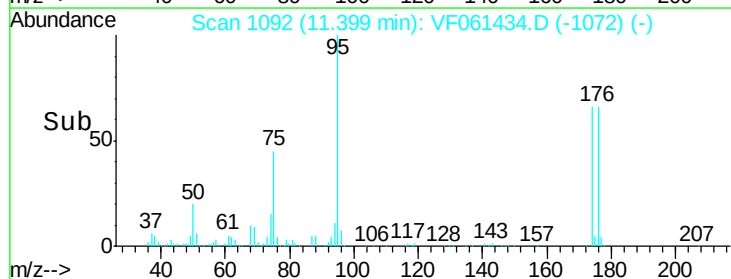
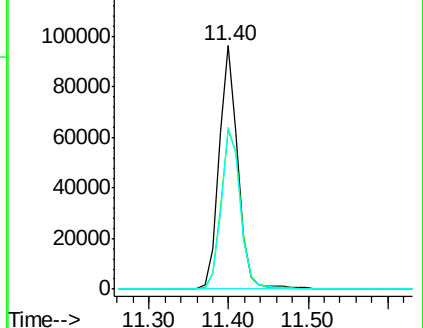
176 66.2 0.0 126.2

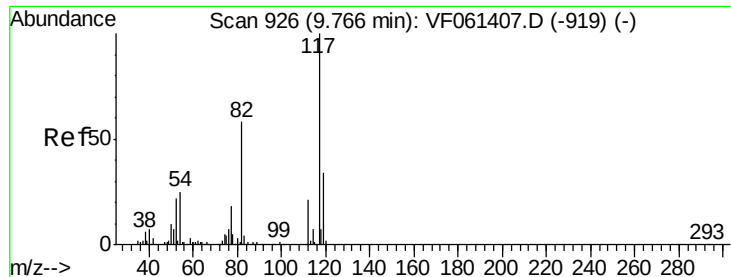


Abundance Ion 95.00 (94.70 to 95.70): VF0

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: 9.76 min Scan# 926

Delta R.T. -0.00 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Instrument :

MSVOA_F

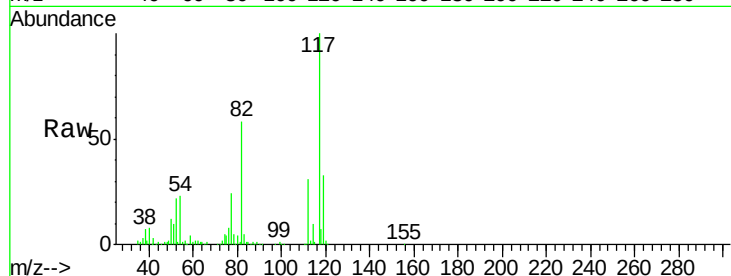
ClientSampleId :

VSTDCCC050EC

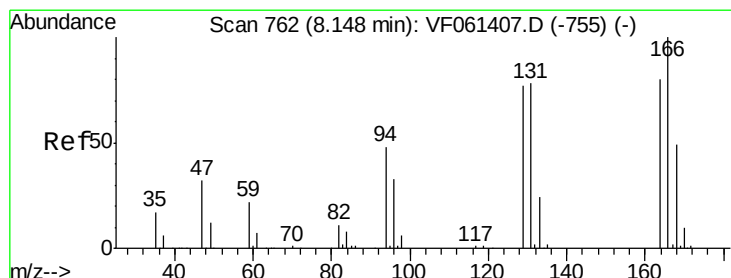
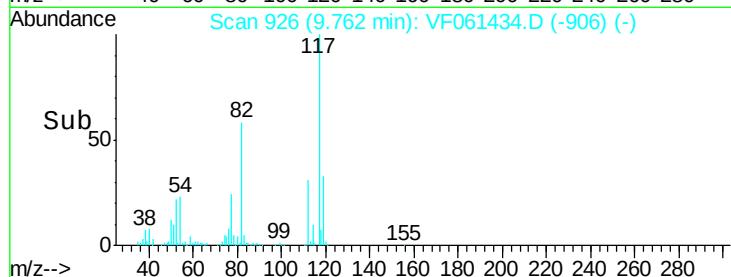
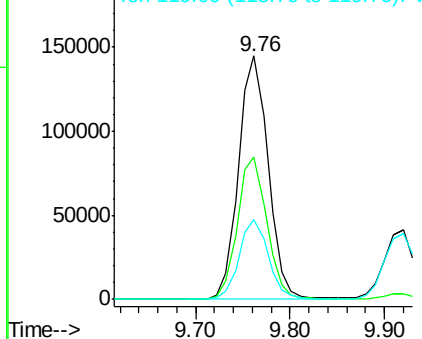
Tot Ion:	117	Resp:	315315
Ion Ratio	Lower	Upper	
117	100		
82	58.3	46.4	69.6
119	32.7	27.2	40.8

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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 55.233 ug/l

RT: 8.13 min Scan# 761

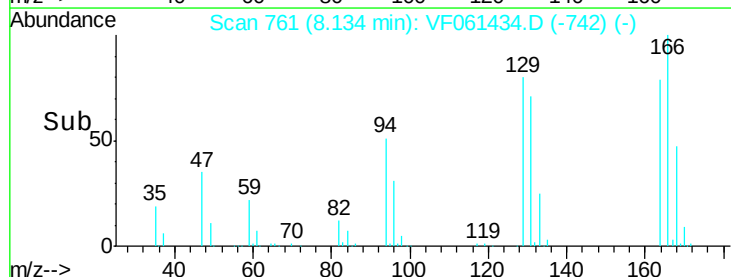
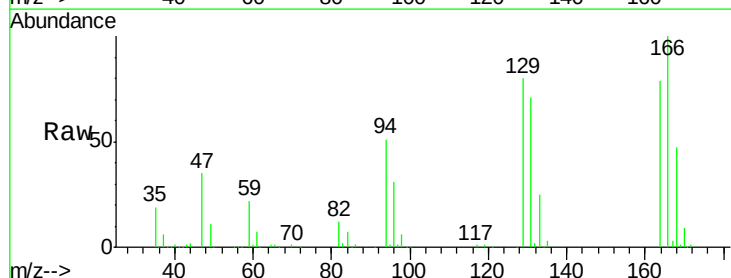
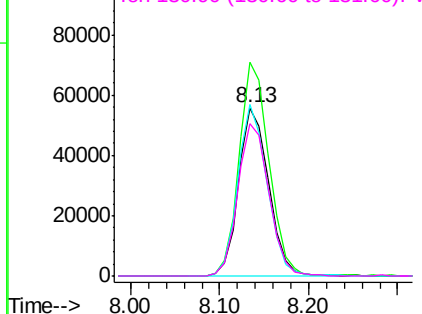
Delta R.T. -0.01 min

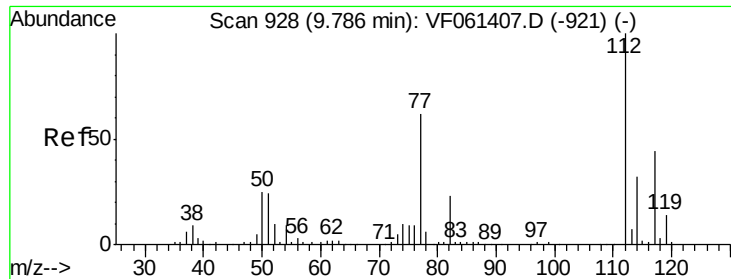
Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Tgt Ion:	164	Resp:	130968
Ion Ratio	Lower	Upper	
164	100		
166	126.9	99.6	149.4
129	101.7	76.4	114.6
131	90.6	77.9	116.9

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V





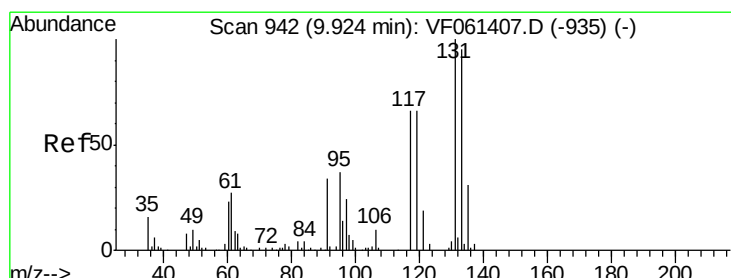
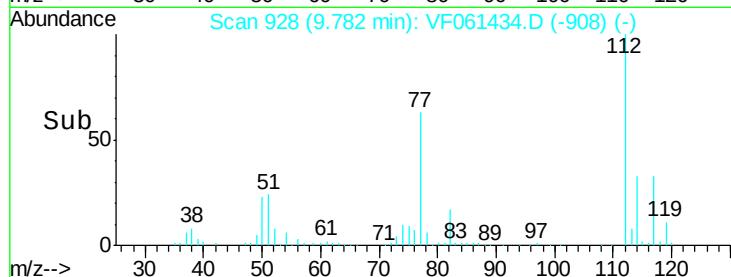
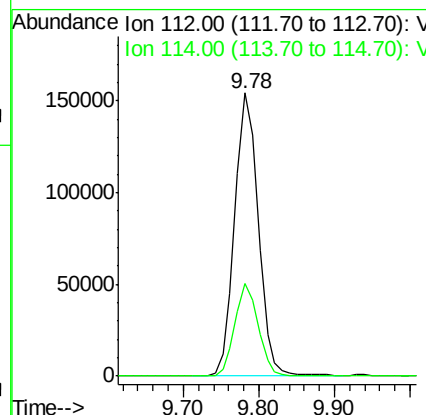
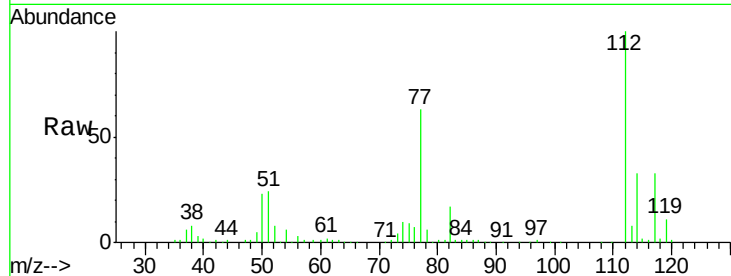
#65
Chlorobenzene
Concen: 52.115 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.00 min
Lab File: VF061434.D
Acq: 17 Jan 2019 2:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 334167
Ion Ratio Lower Upper
112 100
114 32.8 25.4 38.0

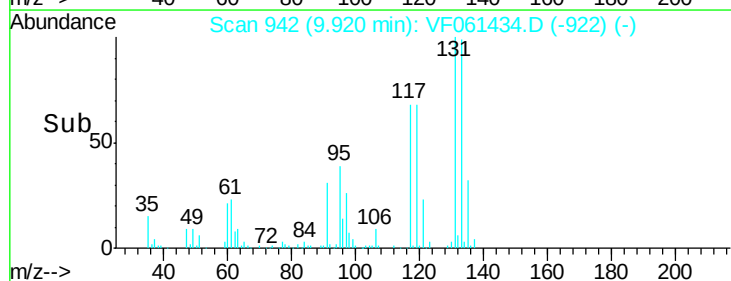
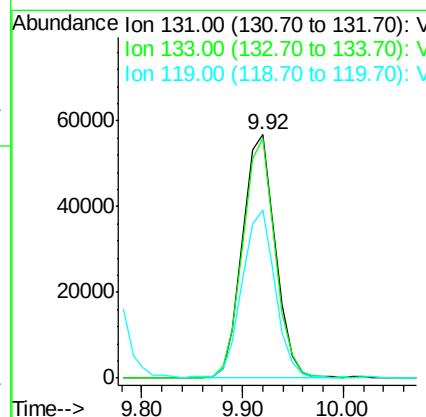
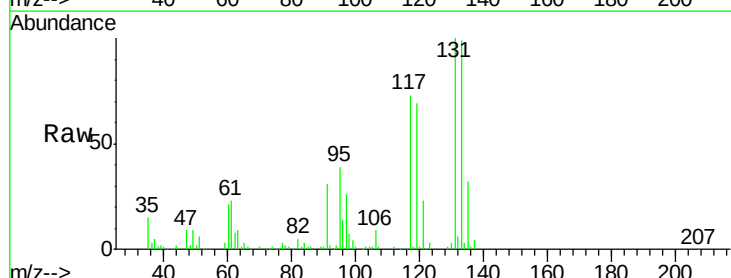
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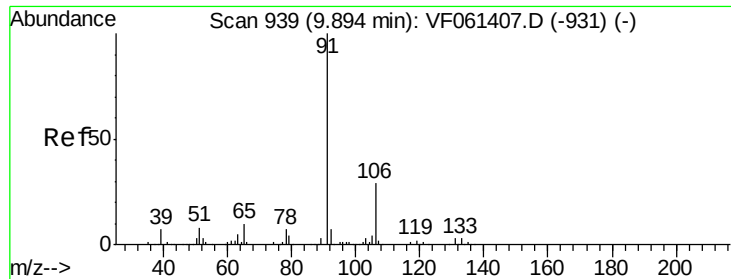
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.714 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.00 min
Lab File: VF061434.D
Acq: 17 Jan 2019 2:24

Tgt Ion:131 Resp: 129542
Ion Ratio Lower Upper
131 100
133 98.6 47.4 142.2
119 69.0 33.1 99.3





#67

Ethyl Benzene

Concen: 49.492 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.00 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 579816

Ion Ratio Lower Upper

91 100

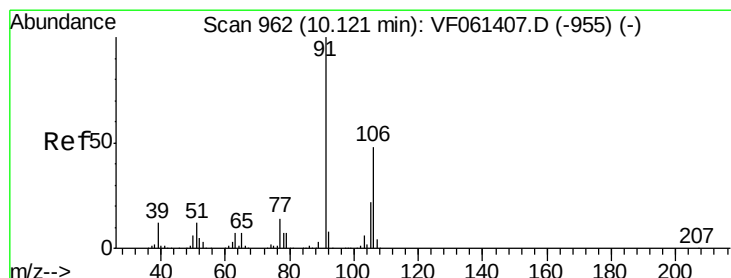
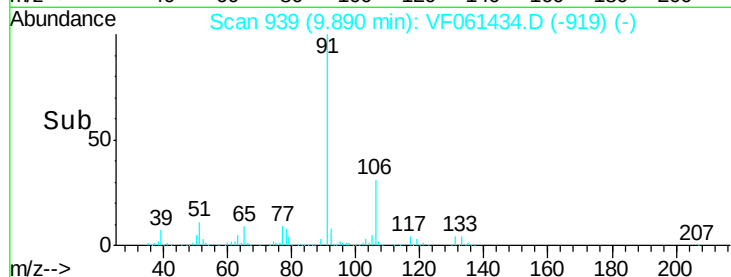
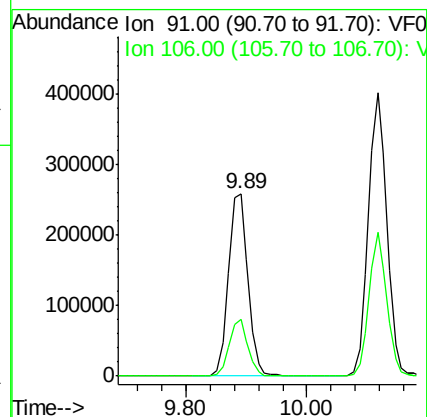
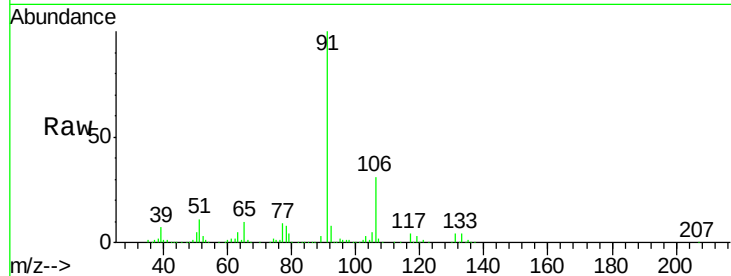
106 30.9 23.1 34.7

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#68

m/p-Xylenes

Concen: 98.752 ug/l

RT: 10.12 min Scan# 962

Delta R.T. -0.00 min

Lab File: VF061434.D

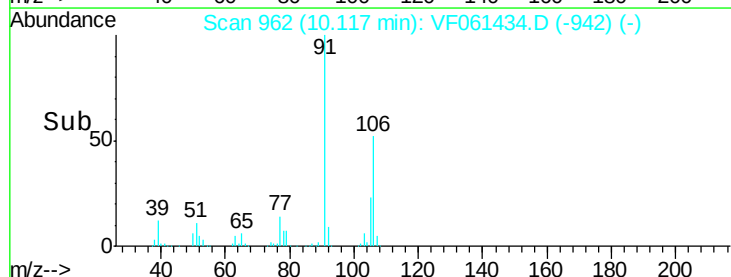
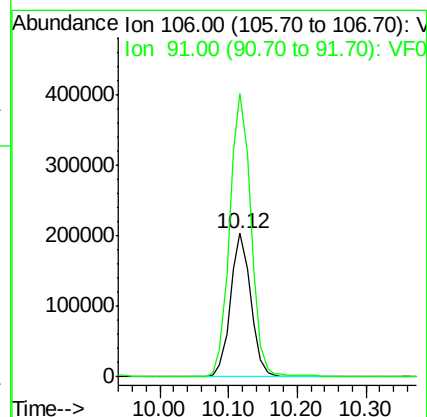
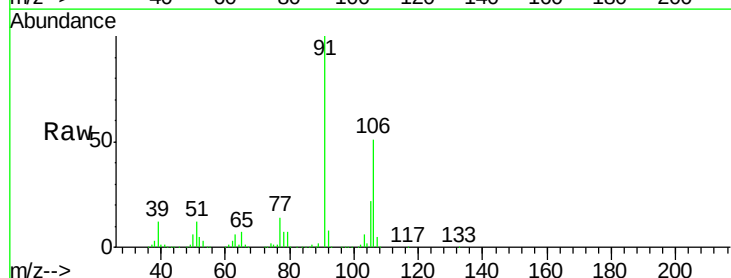
Acq: 17 Jan 2019 2:24

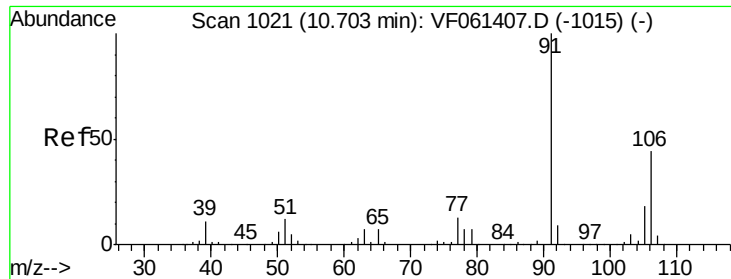
Tgt Ion: 106 Resp: 416102

Ion Ratio Lower Upper

106 100

91 197.3 166.2 249.4





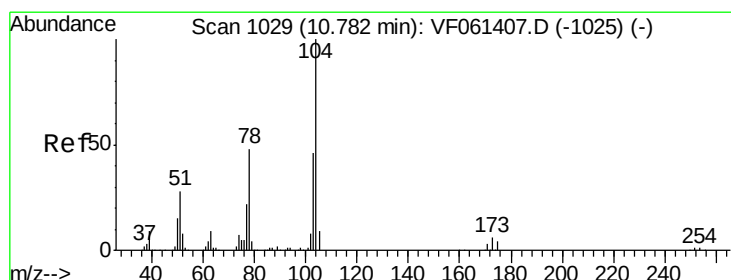
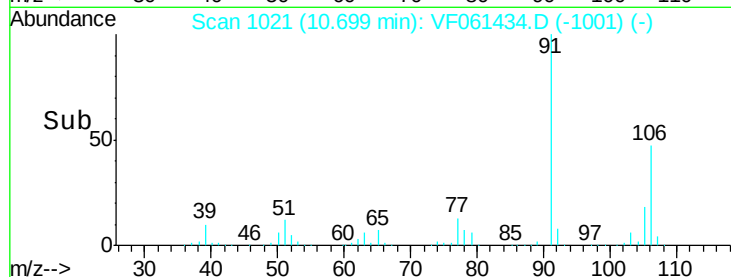
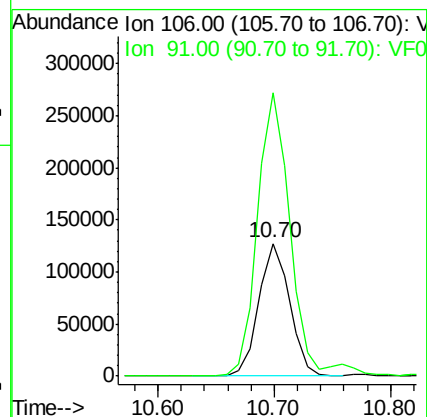
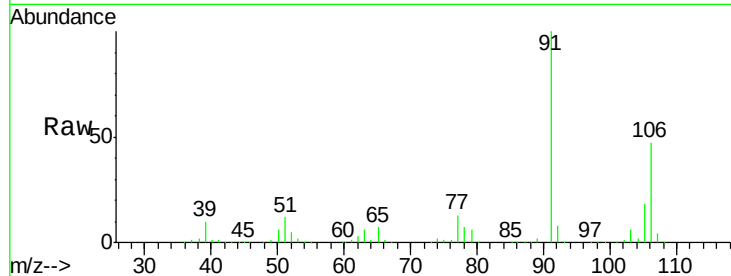
#69
o-Xylene
Concen: 51.380 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VF061434.D
Acq: 17 Jan 2019 2:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 234643
Ion Ratio Lower Upper
106 100
91 213.4 113.3 339.8

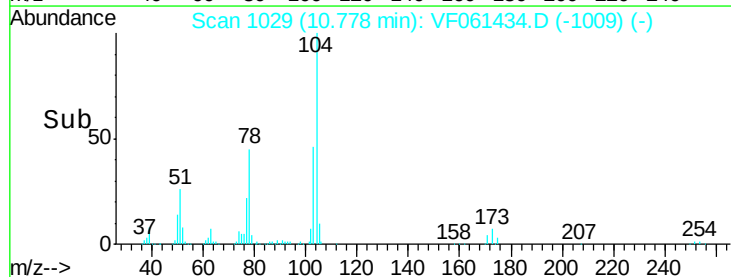
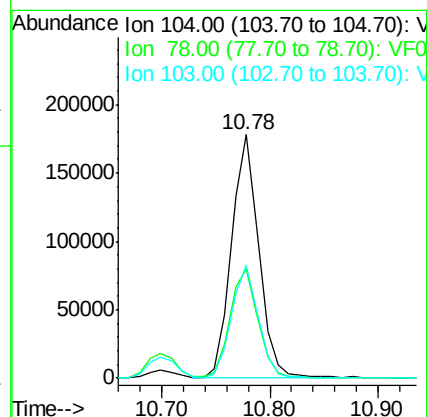
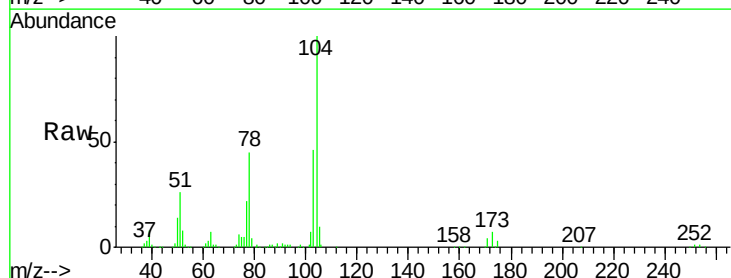
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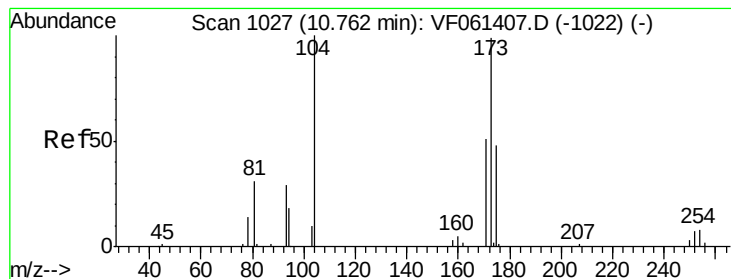
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#70
Styrene
Concen: 49.507 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VF061434.D
Acq: 17 Jan 2019 2:24

Tgt Ion:104 Resp: 309476
Ion Ratio Lower Upper
104 100
78 45.0 38.8 58.2
103 46.4 37.0 55.6





#71

Bromoform

Concen: 52.114 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.00 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Instrument :

MSVOA_F

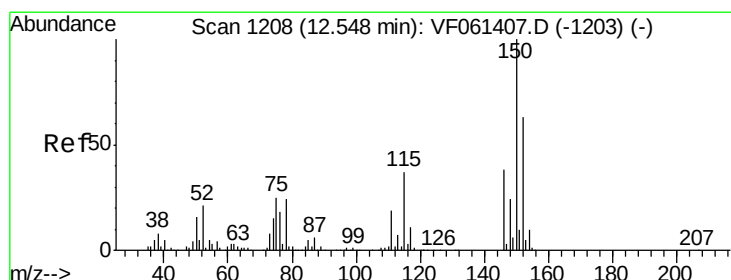
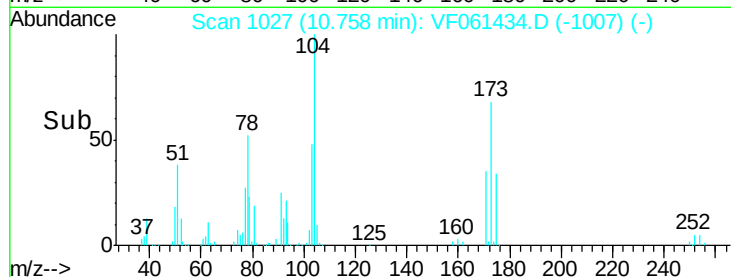
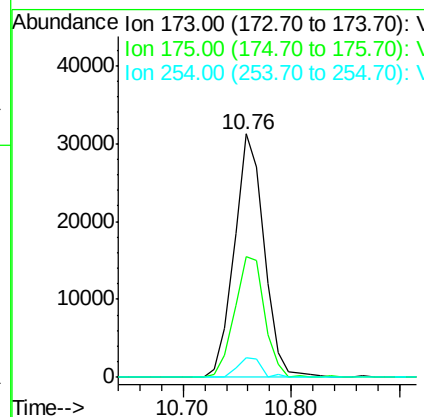
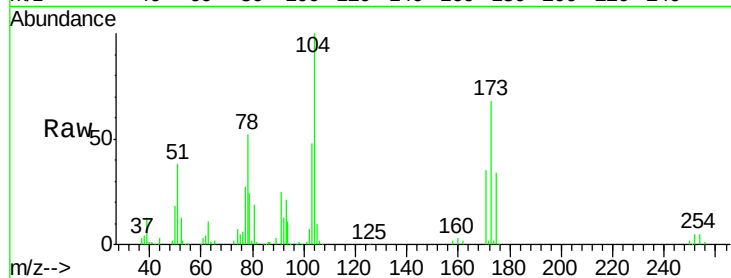
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.1	72.4
254	7.9	0.0	0.0#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

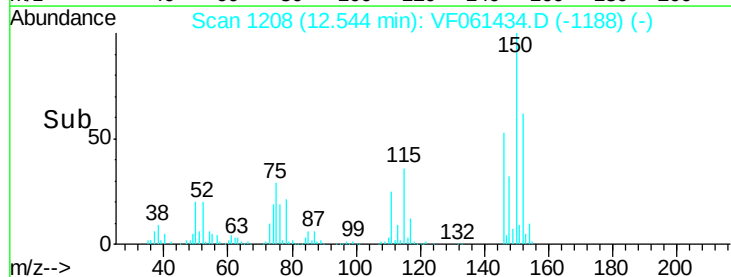
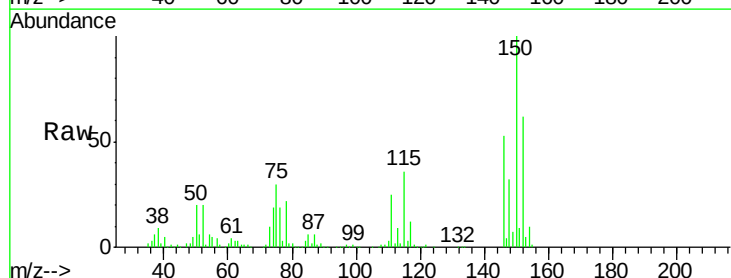
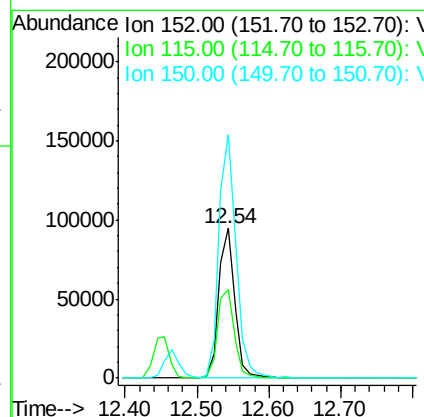
RT: 12.54 min Scan# 1208

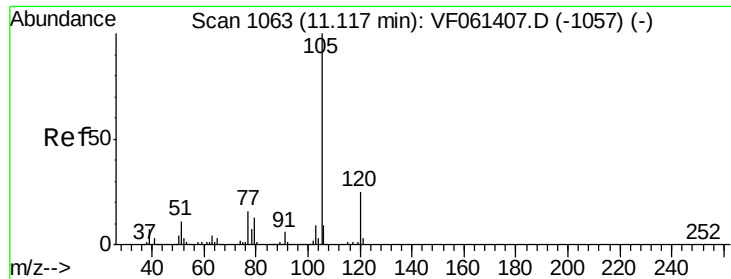
Delta R.T. -0.00 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.0	30.0	90.0
150	162.2	0.0	321.4





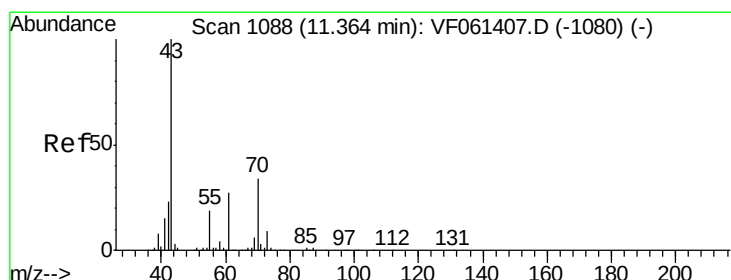
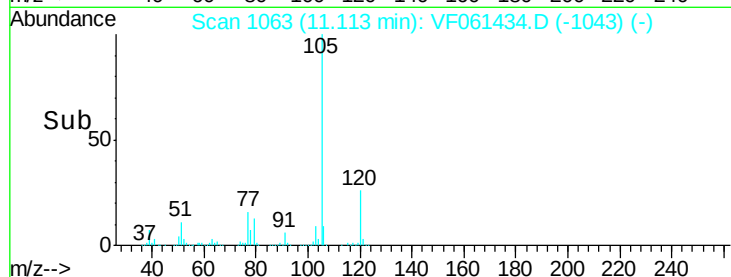
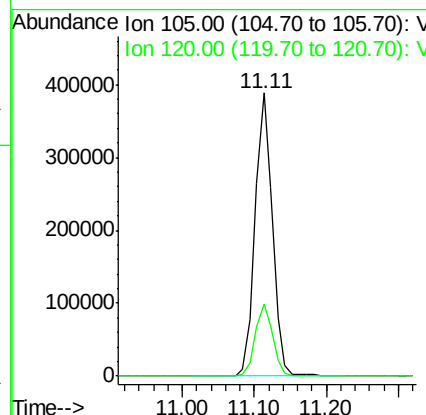
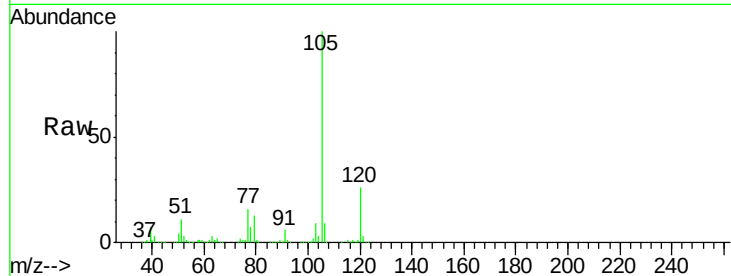
#73
Isopropylbenzene
Concen: 56.052 ug/l
RT: 11.11 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VF061434.D
Acq: 17 Jan 2019 2:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.6	37.8

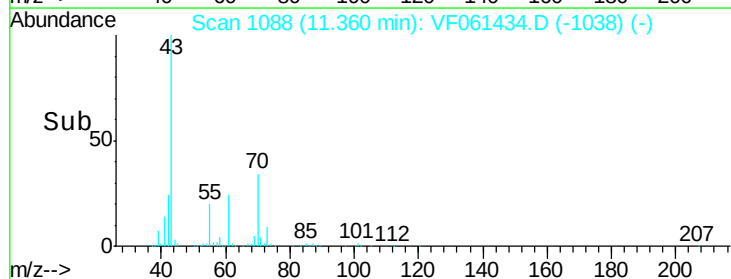
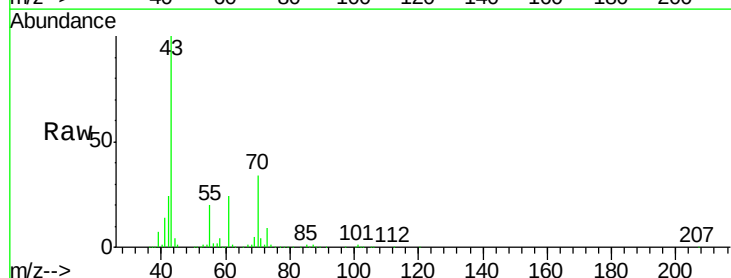
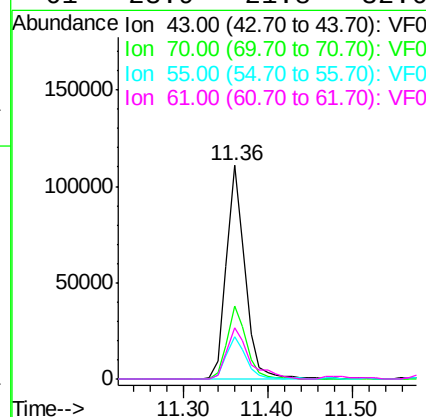
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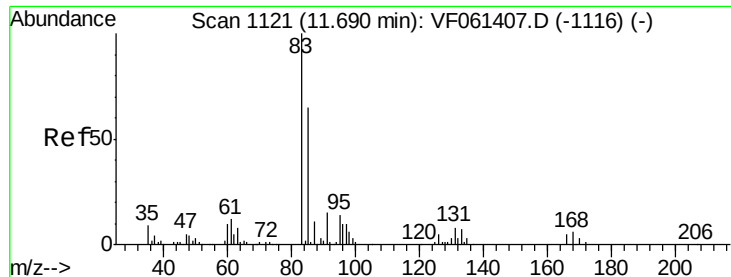
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#74
N-ethyl acetate
Concen: 61.945 ug/l
RT: 11.36 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VF061434.D
Acq: 17 Jan 2019 2:24

Tgt Ion	Ratio	Lower	Upper
43	100		
70	34.4	27.6	41.4
55	20.0	15.4	23.2
61	23.9	21.8	32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 55.898 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Instrument :

MSVOA_F

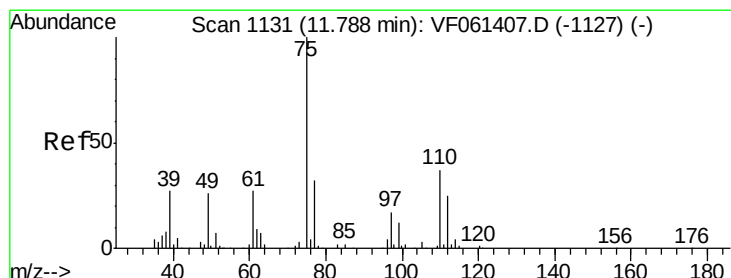
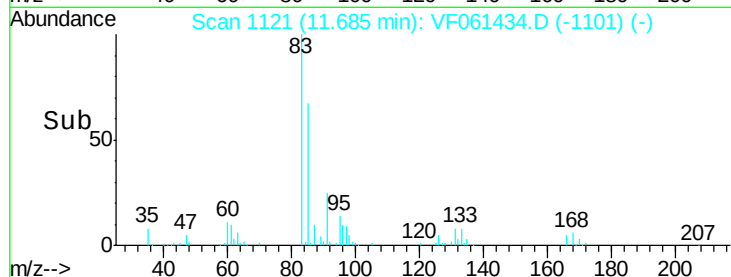
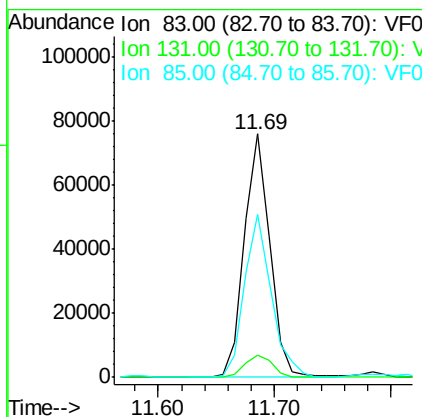
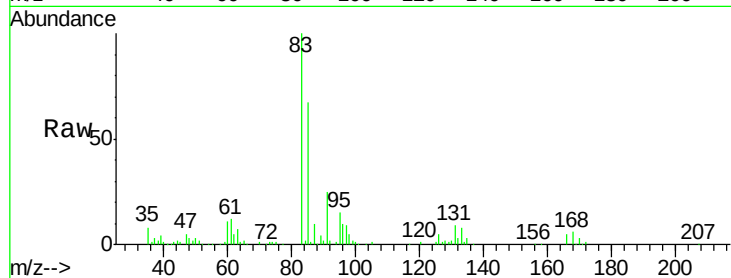
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	116563
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.0	12.2
85	67.1	32.7	98.1

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#76

1,2,3-Trichloropropane

Concen: 52.642 ug/l

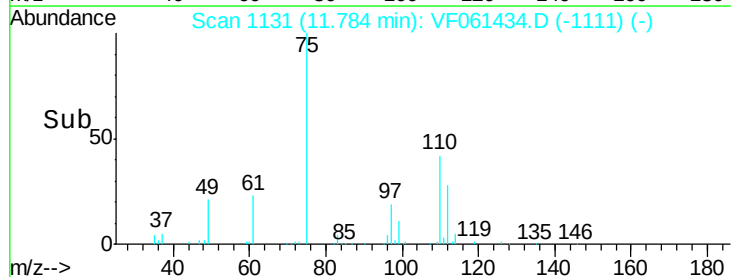
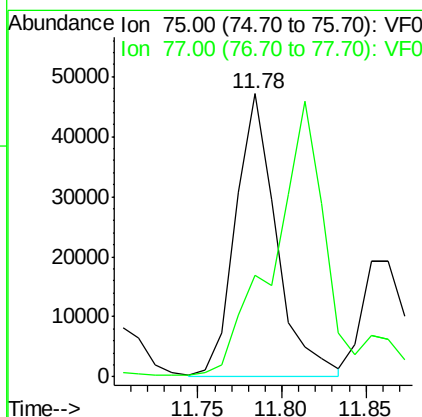
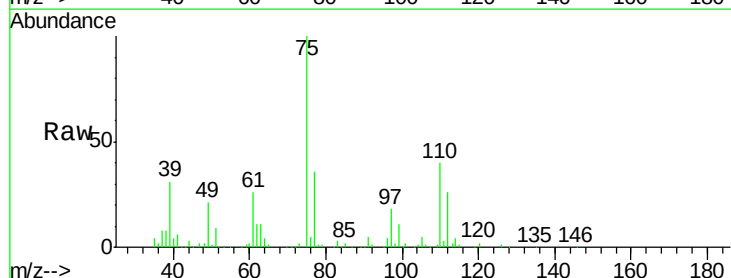
RT: 11.78 min Scan# 1131

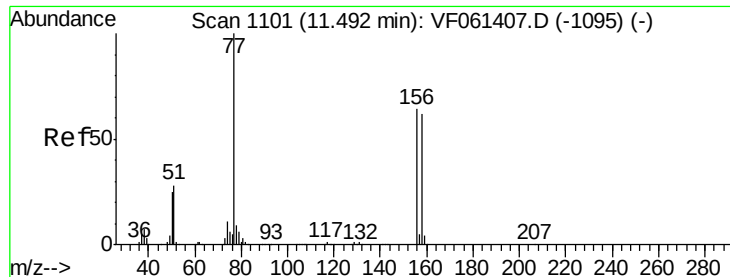
Delta R.T. -0.00 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Tgt Ion:	75	Resp:	78877
Ion Ratio	Lower	Upper	
75	100		
77	35.7	16.1	48.3





#77

Bromobenzene

Concen: 54.823 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 135528

Ion Ratio Lower Upper

156 100

77 147.3 78.3 234.9

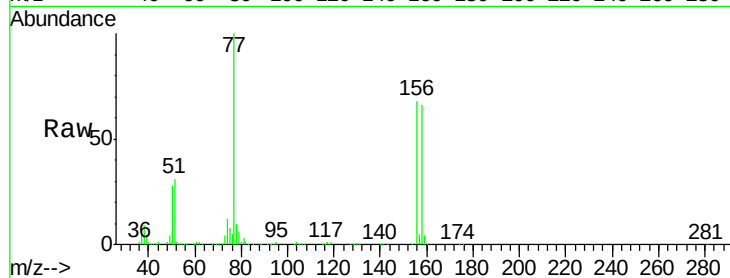
158 97.9 48.9 146.7

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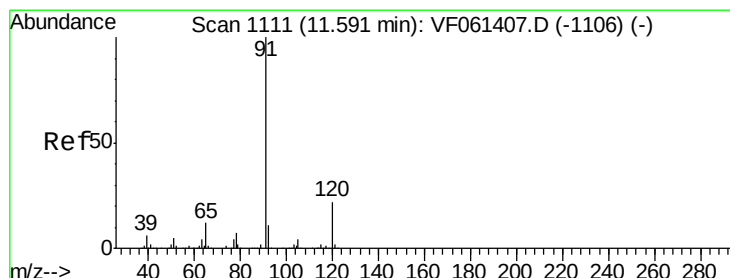
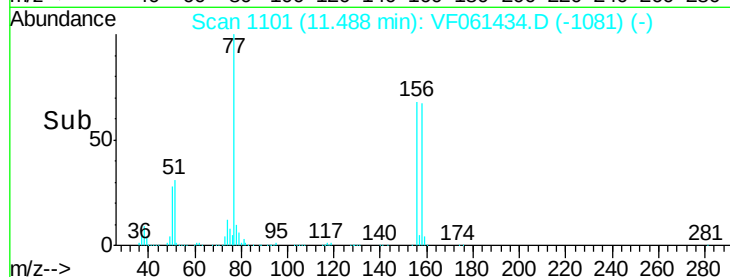
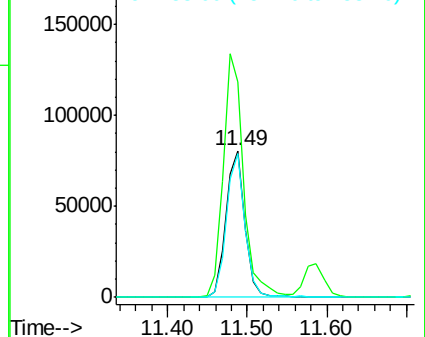
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 52.980 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF061434.D

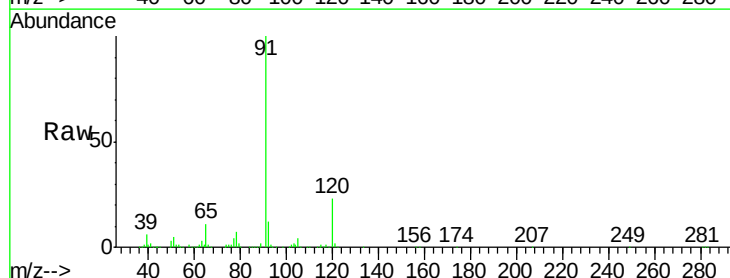
Acq: 17 Jan 2019 2:24

Tgt Ion: 91 Resp: 749718

Ion Ratio Lower Upper

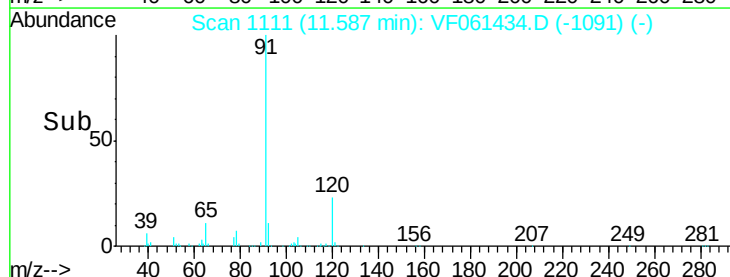
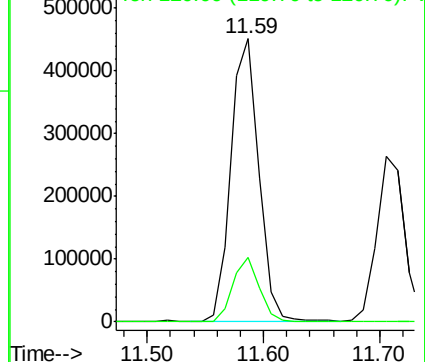
91 100

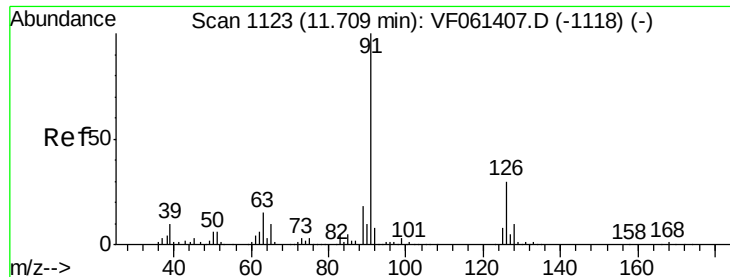
120 22.7 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.672 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 435904

Ion Ratio Lower Upper

91 100

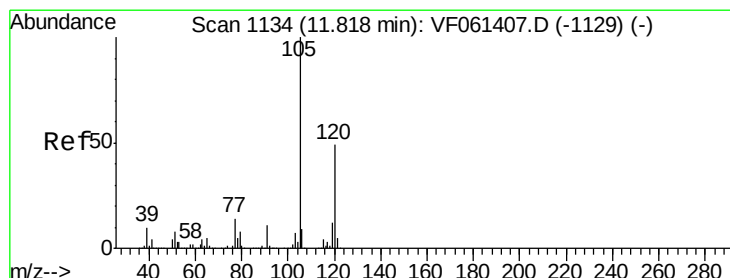
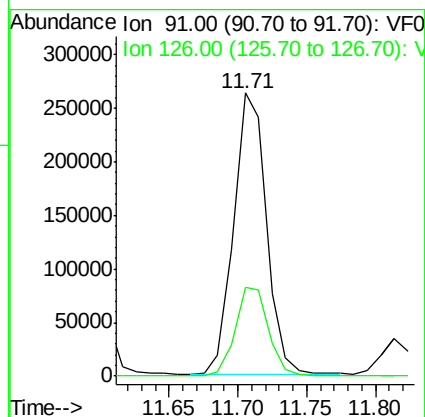
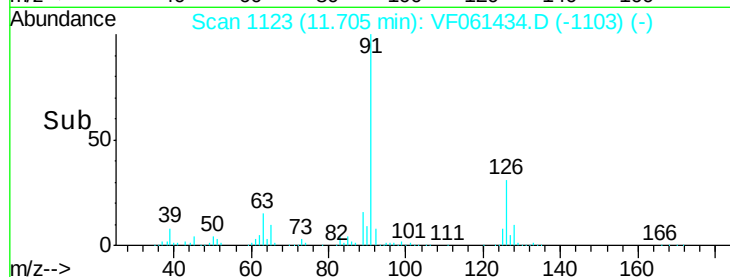
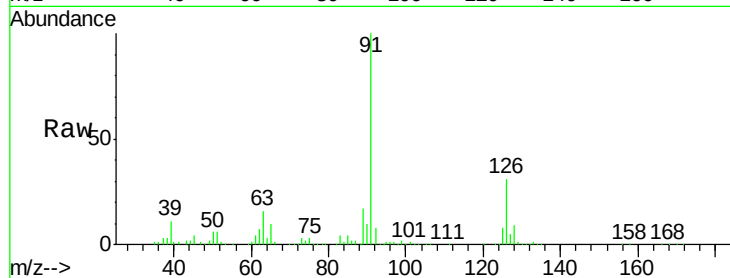
126 31.3 15.0 45.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 52.558 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.00 min

Lab File: VF061434.D

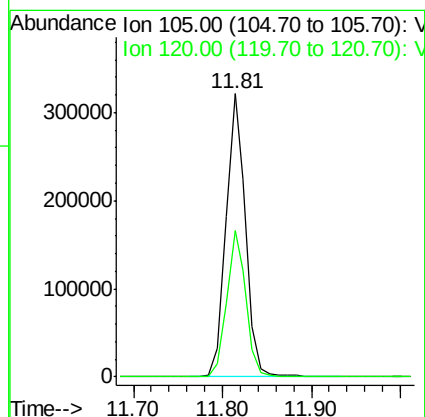
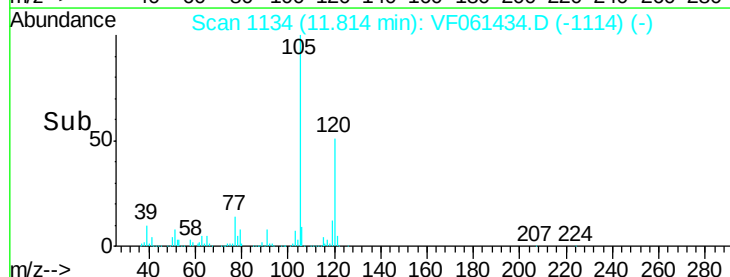
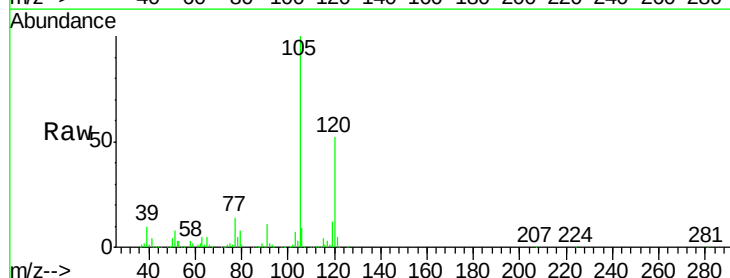
Acq: 17 Jan 2019 2:24

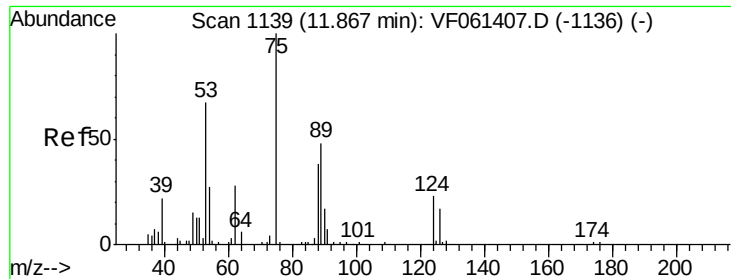
Tgt Ion: 105 Resp: 496490

Ion Ratio Lower Upper

105 100

120 51.5 24.7 74.1





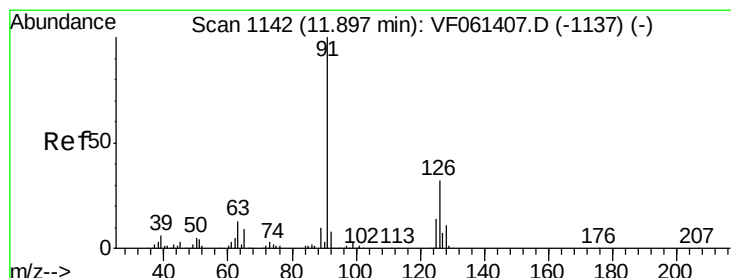
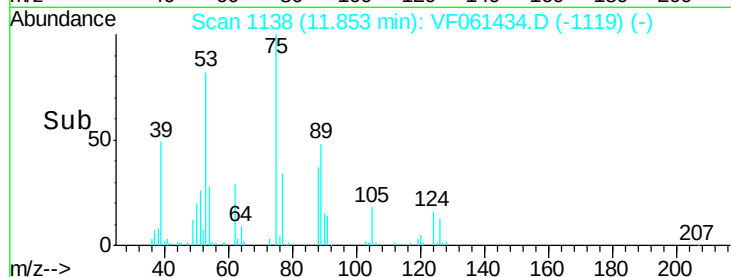
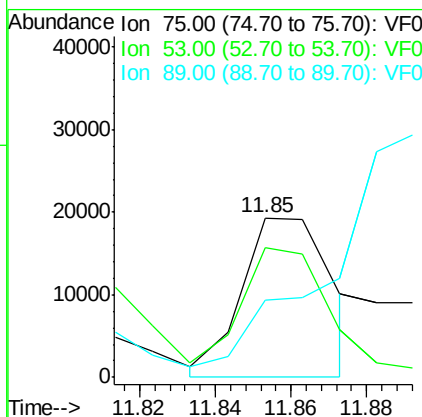
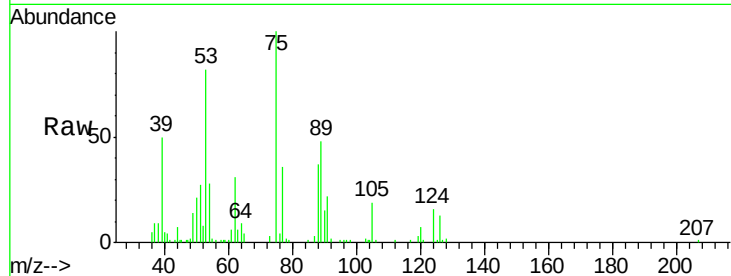
#81
trans-1,4-Dichloro-2-butene
Concen: 49.091 ug/l m
RT: 11.85 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VF061434.D
Acq: 17 Jan 2019 2:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	81.7	57.8	86.6
89	48.3	40.7	61.1

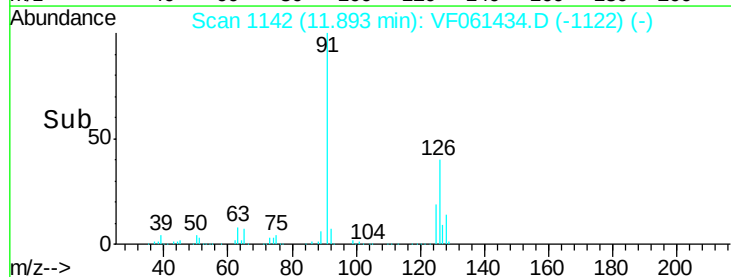
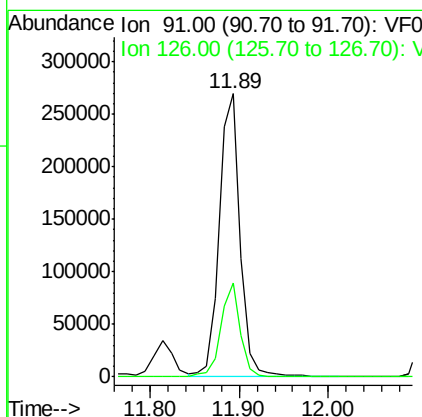
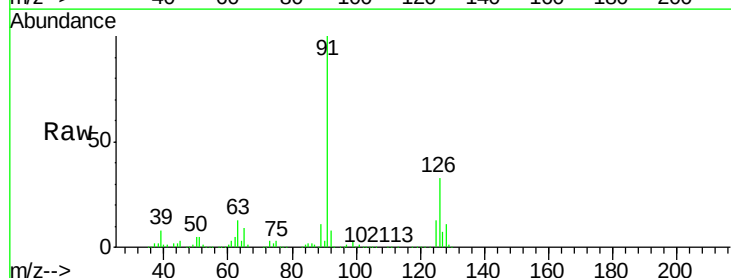
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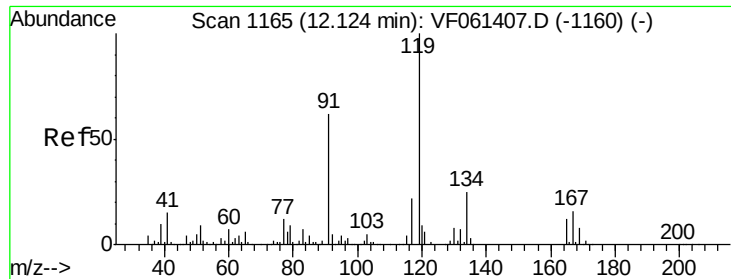
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#82
4-Chlorotoluene
Concen: 53.652 ug/l
RT: 11.89 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VF061434.D
Acq: 17 Jan 2019 2:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.0	47.9





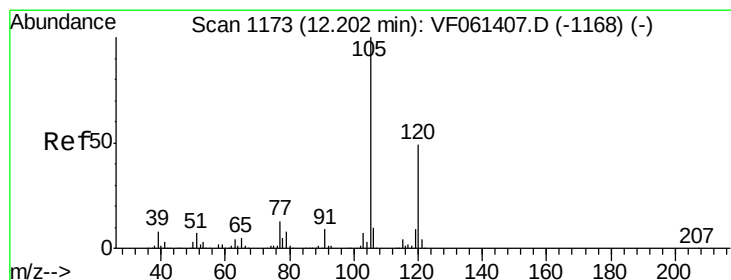
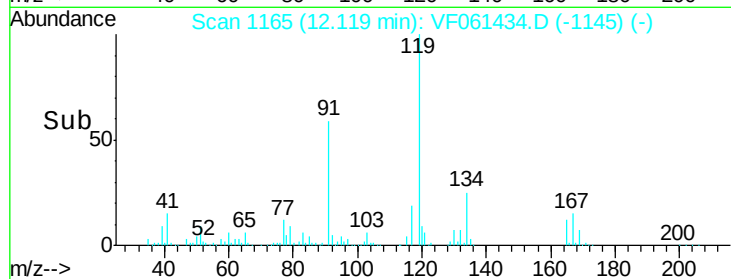
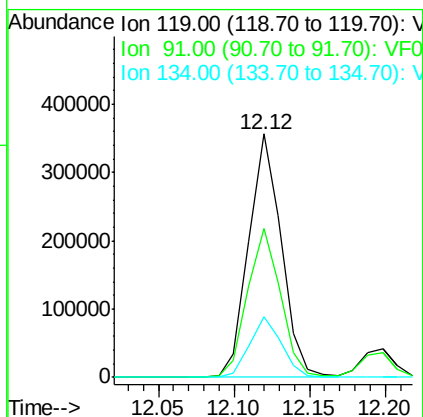
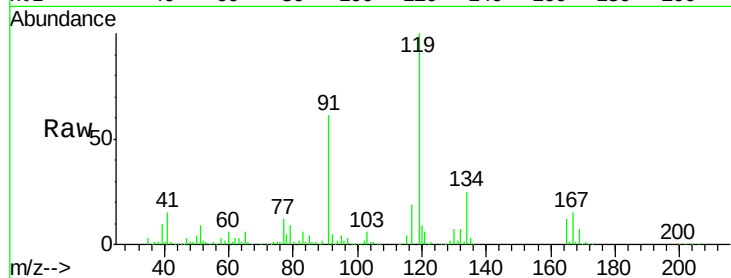
#83
 tert-Butylbenzene
 Concen: 55.289 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VF061434.D
 Acq: 17 Jan 2019 2:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	540574		
91	61.0		31.3	93.8
134	24.7		12.4	37.0

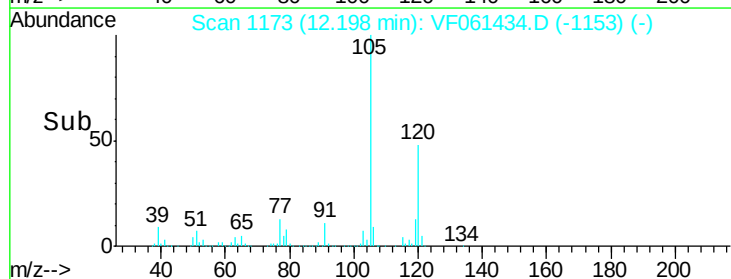
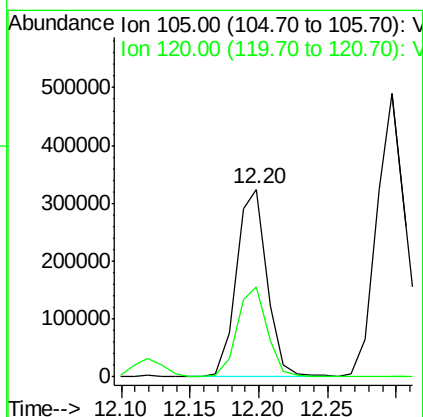
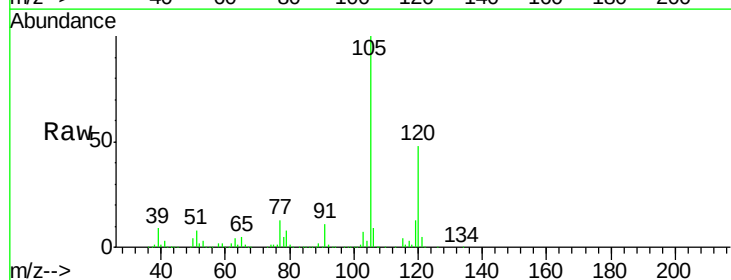
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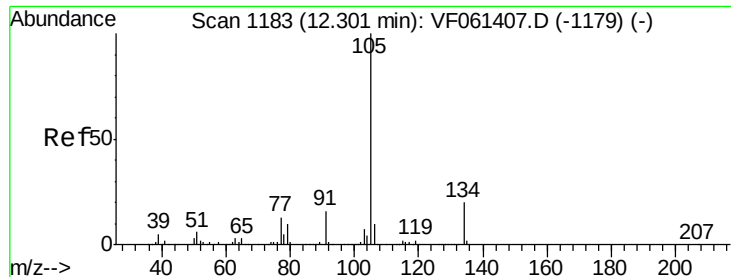
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.658 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: VF061434.D
 Acq: 17 Jan 2019 2:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	502653		
120	48.3		24.9	74.6





#85

sec-Butylbenzene

Concen: 53.968 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 716578

Ion Ratio Lower Upper

105 100

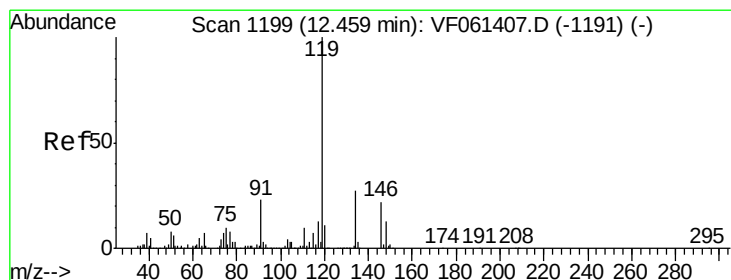
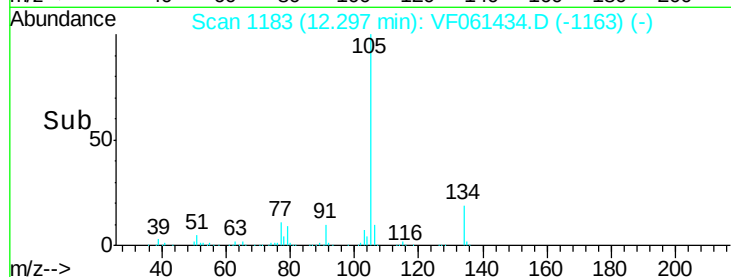
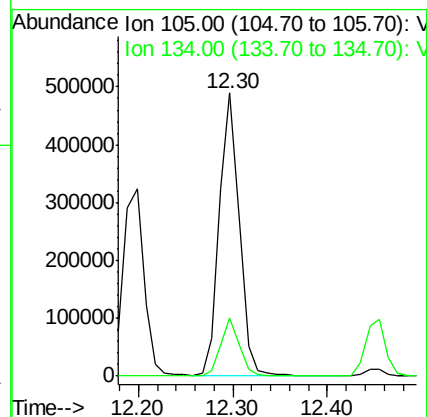
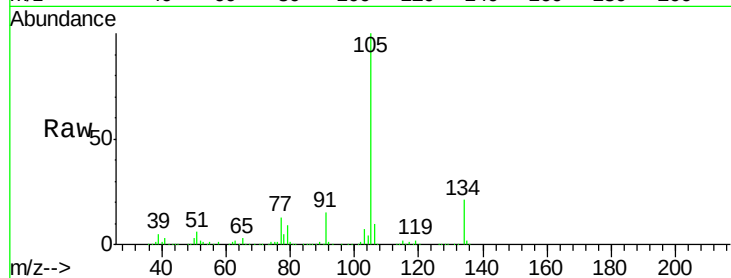
134 20.7 10.0 30.0

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 53.979 ug/l

RT: 12.45 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

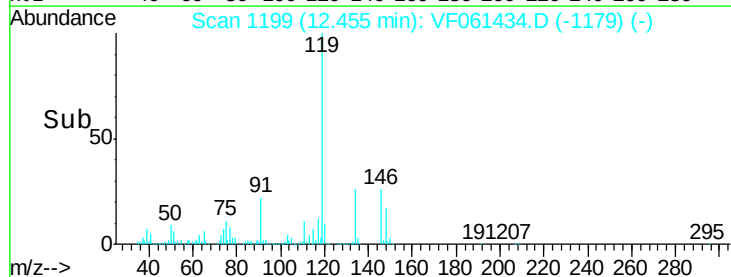
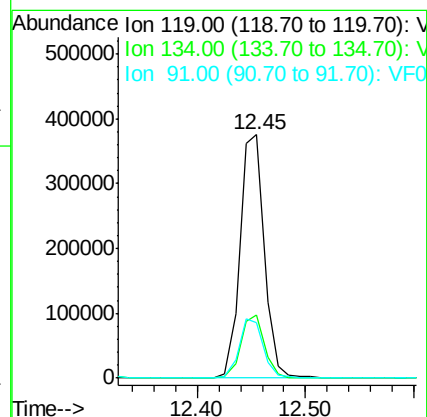
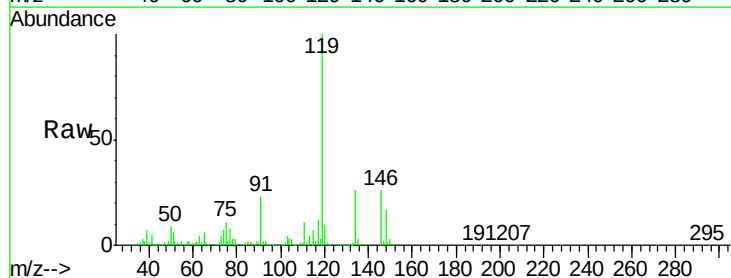
Tgt Ion:119 Resp: 588350

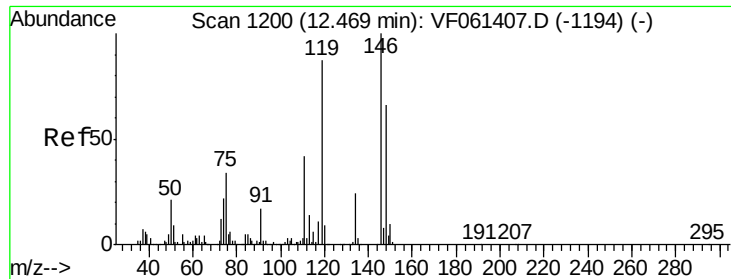
Ion Ratio Lower Upper

119 100

134 26.0 13.4 40.2

91 22.6 11.4 34.2





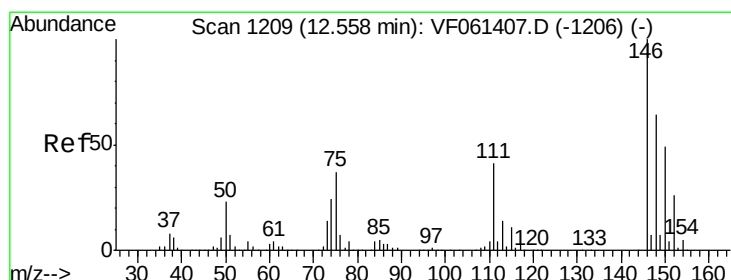
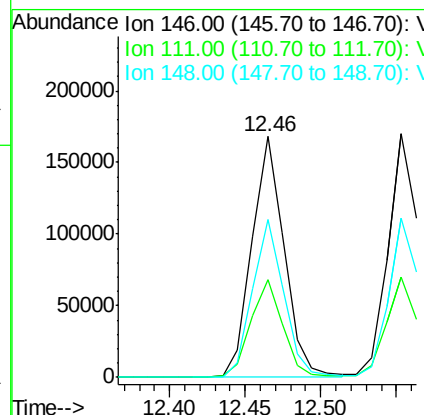
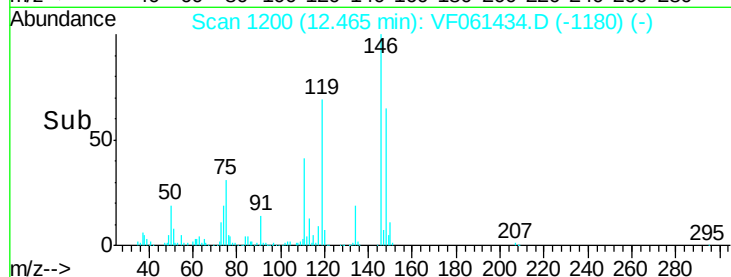
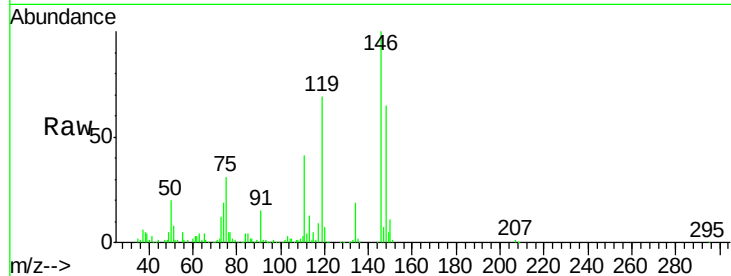
#87
 1,3-Dichlorobenzene
 Concen: 51.338 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VF061434.D
 Acq: 17 Jan 2019 2:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.1	63.4
148	65.4	32.9	98.6

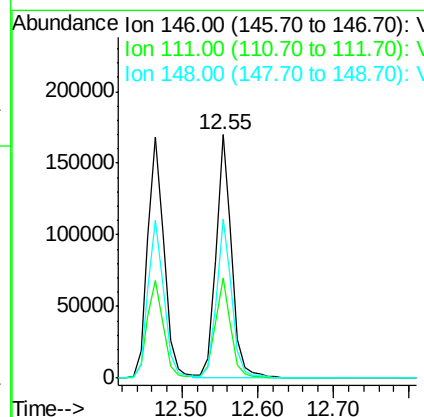
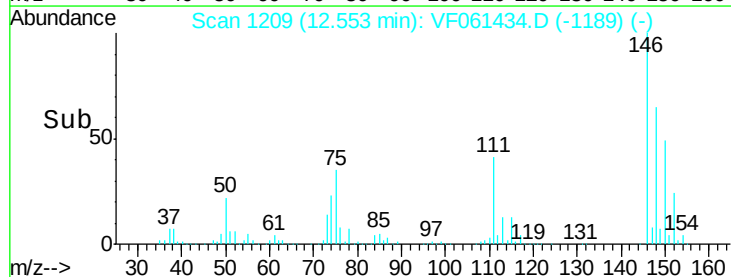
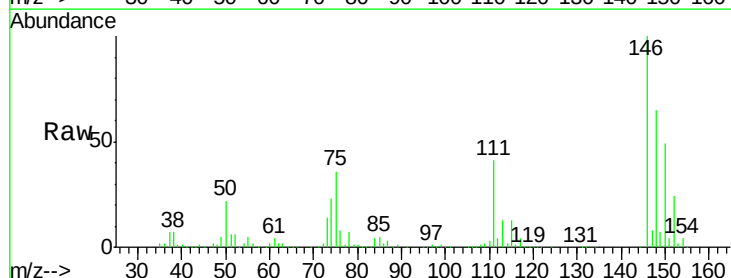
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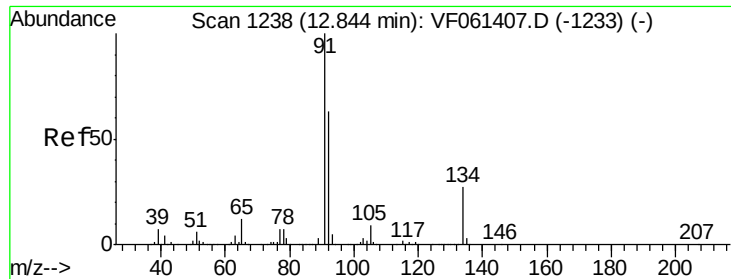
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#88
 1,4-Dichlorobenzene
 Concen: 53.393 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.00 min
 Lab File: VF061434.D
 Acq: 17 Jan 2019 2:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.2
148	65.5	32.1	96.5





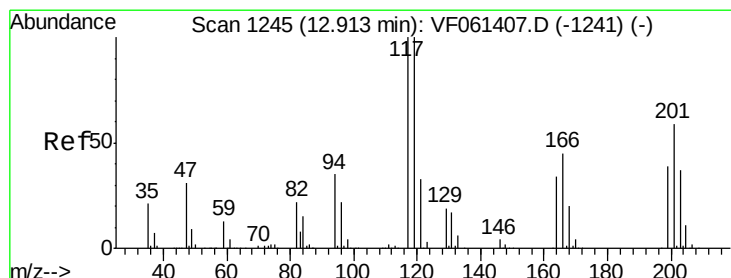
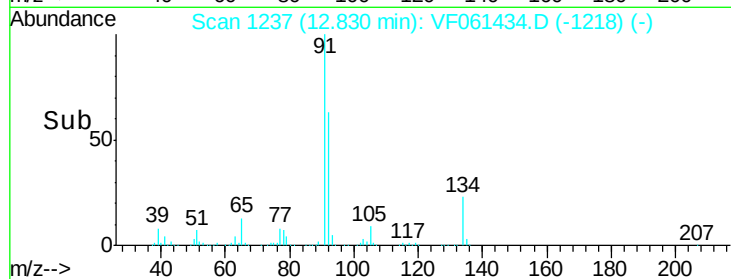
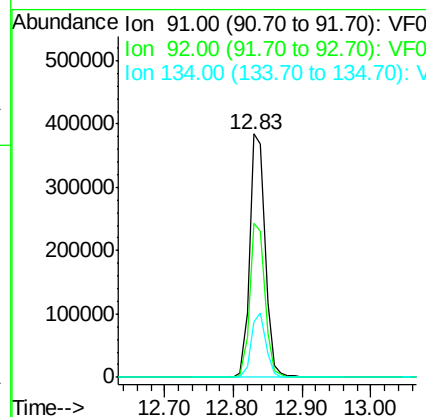
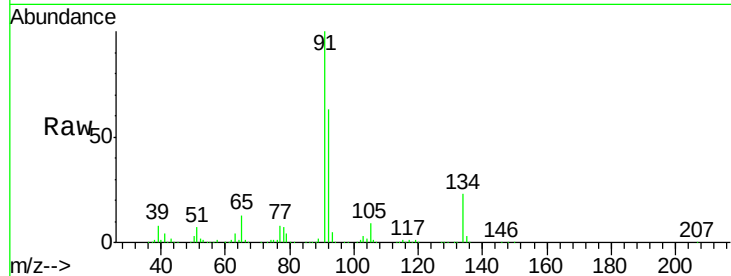
#89
n-Butylbenzene
Concen: 53.437 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VF061434.D
Acq: 17 Jan 2019 2:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	63.3	31.6	94.7
134	22.8	13.6	40.8

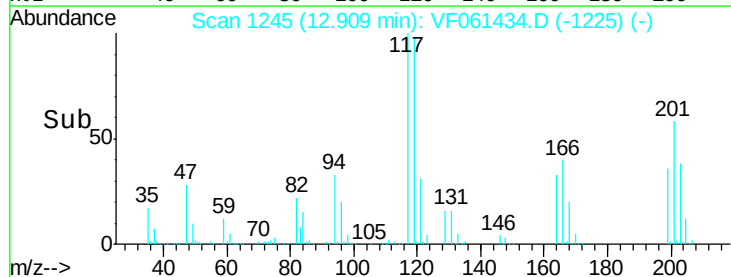
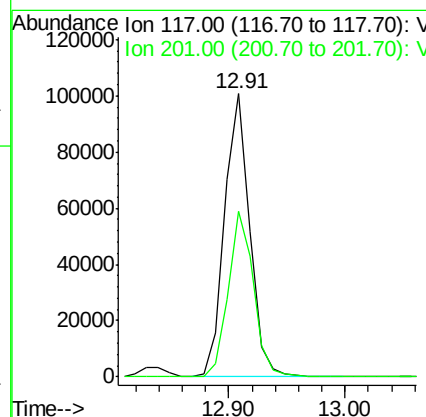
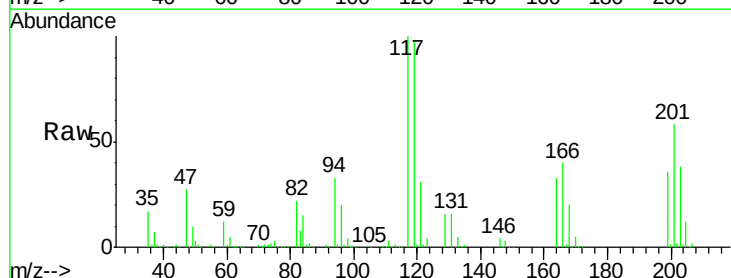
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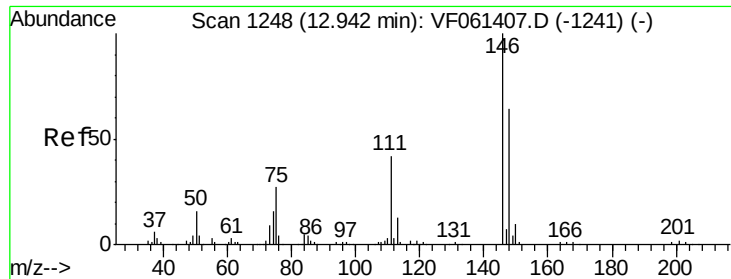
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#90
Hexachloroethane
Concen: 58.832 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VF061434.D
Acq: 17 Jan 2019 2:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	58.3	29.3	87.8





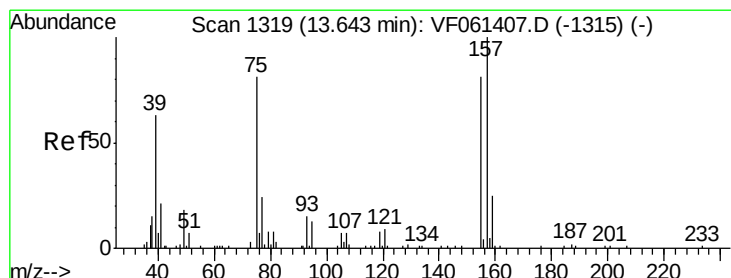
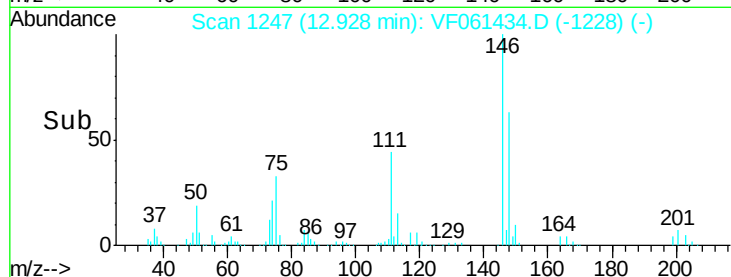
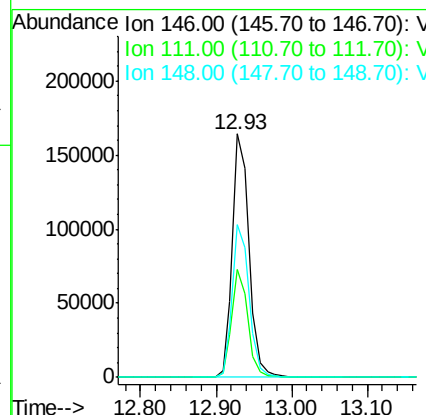
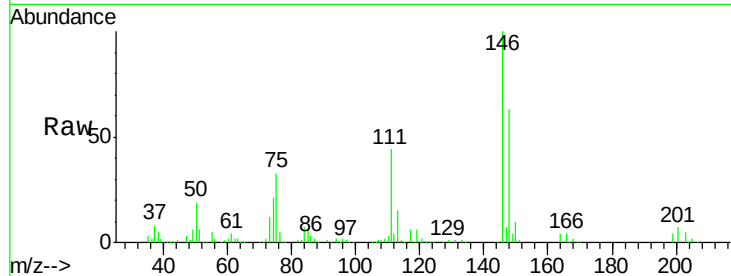
#91
 1,2-Dichlorobenzene
 Concen: 54.557 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: VF061434.D
 Acq: 17 Jan 2019 2:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.1	63.3
148	62.9	31.9	95.7

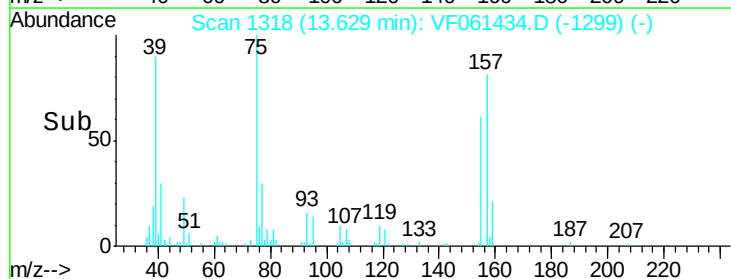
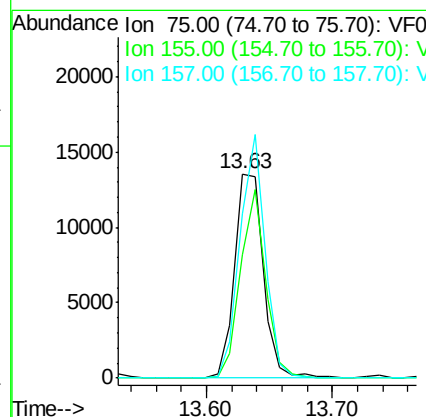
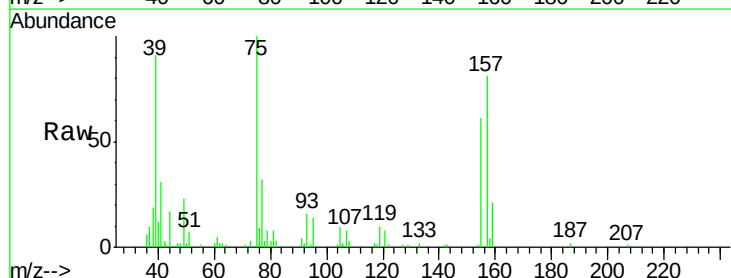
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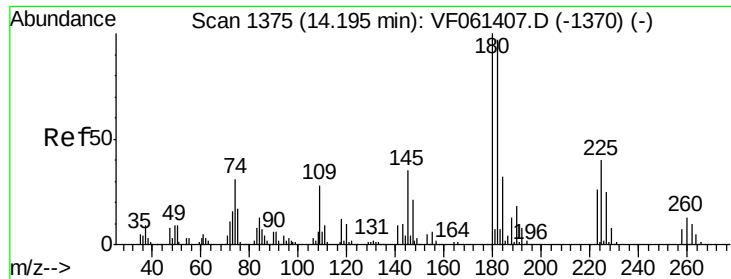
MMDadoda
 1/17/2019 1:24:23 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.399 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: VF061434.D
 Acq: 17 Jan 2019 2:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	60.6	49.7	149.1
157	80.8	61.4	184.1





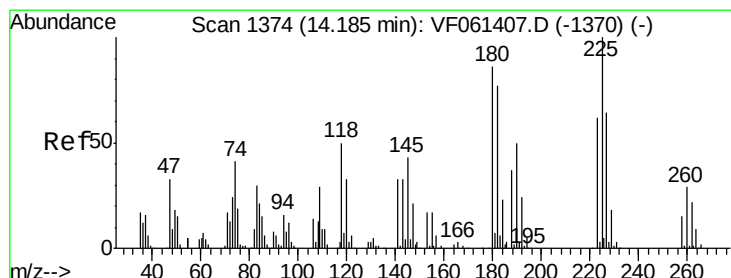
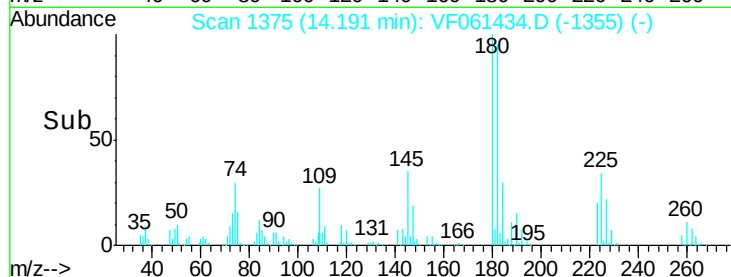
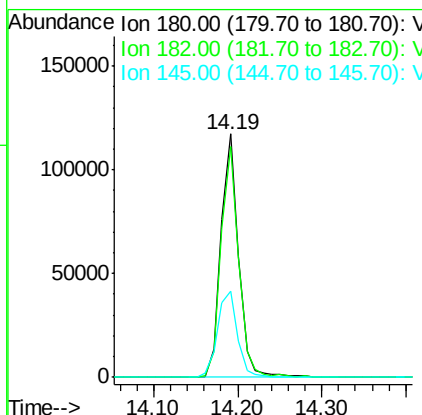
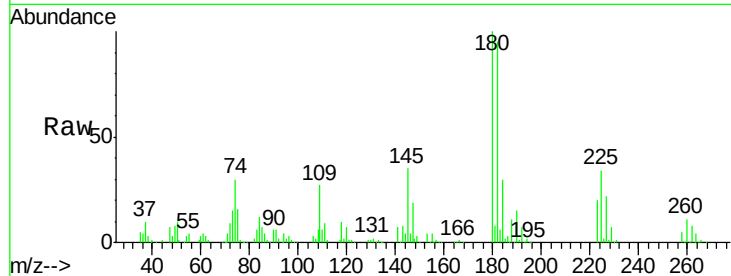
#93
 1,2,4-Trichlorobenzene
 Concen: 52.863 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF061434.D
 Acq: 17 Jan 2019 2:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	171252		
182	95.0	48.5	145.6	
145	35.3	17.5	52.6	

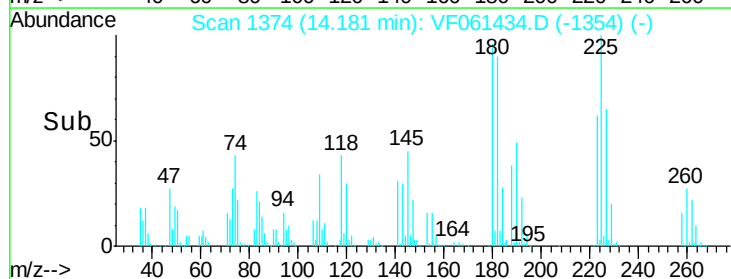
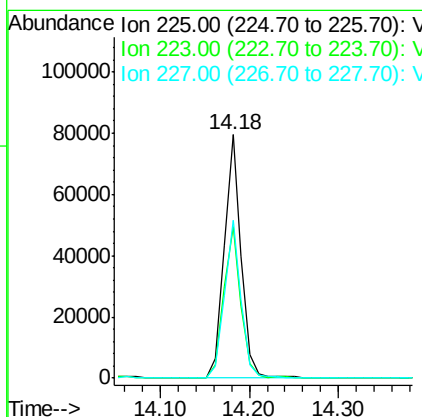
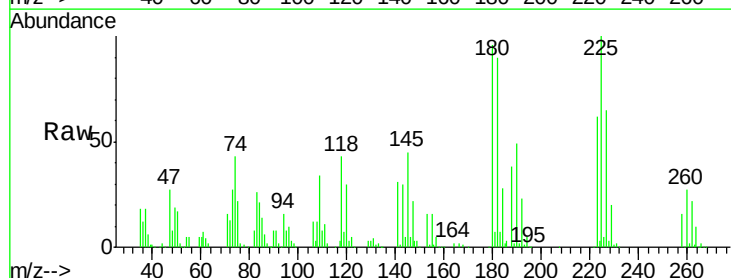
Manual Integrations
 APPROVED

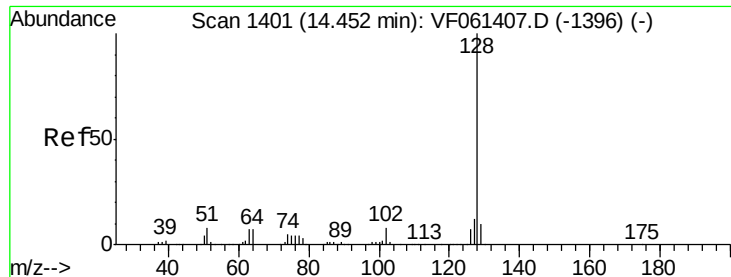
MMDadoda
 1/17/2019 1:24:23 PM



#94
 Hexachlorobutadiene
 Concen: 53.262 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: VF061434.D
 Acq: 17 Jan 2019 2:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	107069		
223	62.3	31.1	93.2	
227	64.6	32.2	96.6	





#95

Naphthalene

Concen: 55.714 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. -0.00 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Instrument :

MSVOA_F

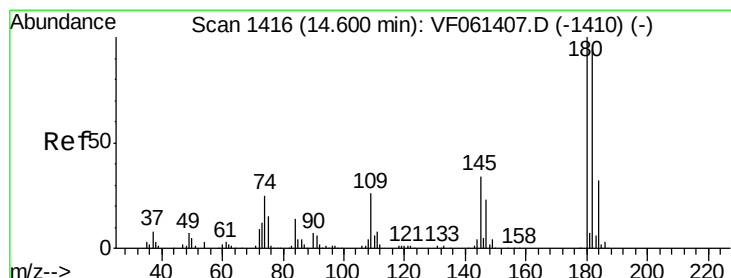
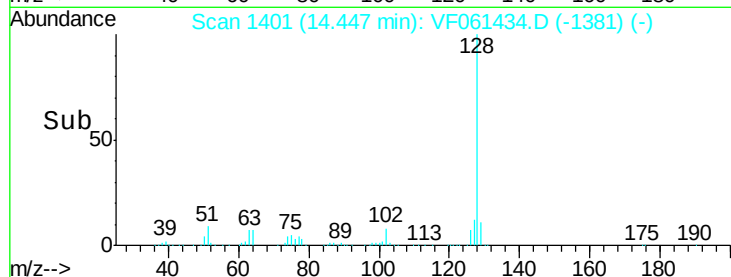
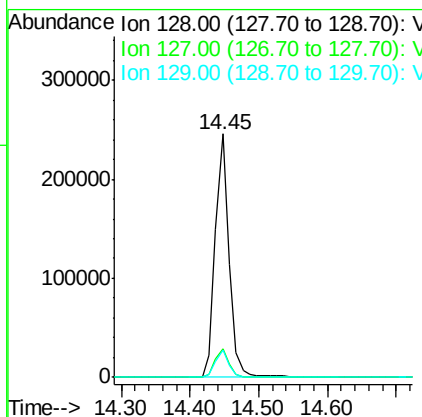
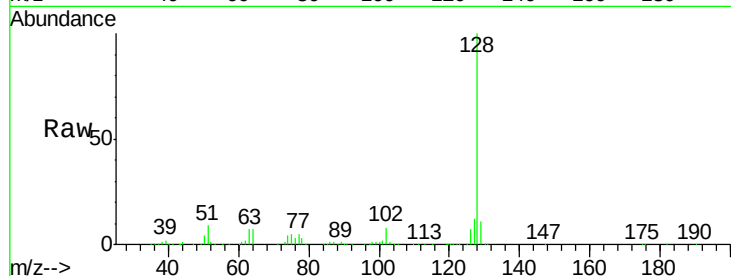
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	342913
Ion	Ratio	Lower	Upper
128	100		
127	11.8	9.5	14.3
129	11.1	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
1/17/2019 1:24:23 PM



#96

1,2,3-Trichlorobenzene

Concen: 53.611 ug/l

RT: 14.60 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VF061434.D

Acq: 17 Jan 2019 2:24

Tgt Ion:	180	Resp:	160773
Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.0	141.2
145	32.6	17.1	51.2

