

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012819\
 Data File : VF061534.D
 Acq On : 28 Jan 2019 11:24
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/29/2019 12:18:47 PM

Quant Time: Jan 29 05:43:41 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	4.85	168	210610	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.58	114	360586	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.75	117	309054	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	142671	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	111073	42.72	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	85.44%	
35) Dibromofluoromethane	4.09	113	127913	44.96	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	89.92%	
50) Toluene-d8	7.53	98	359703	46.14	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	92.28%	
62) 4-Bromofluorobenzene	11.40	95	143884	39.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	173117	41.834	ug/l	88
3) Chloromethane	1.10	50	133657	44.049	ug/l	93
4) Vinyl Chloride	1.13	62	123466	45.743	ug/l	100
5) Bromomethane	1.32	94	91025	51.716	ug/l	92
6) Chloroethane	1.39	64	60480	50.569	ug/l	92
7) Trichlorofluoromethane	1.48	101	213188	40.629	ug/l	95
8) Diethyl Ether	1.62	74	34102	50.721	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.83	101	111830	44.354	ug/l	91
10) Methyl Iodide	1.91	142	186858m	47.806	ug/l	
11) Tert butyl alcohol	2.56	59	24165	219.554	ug/l	98
12) 1,1-Dichloroethene	1.79	96	93646	49.994	ug/l	80
13) Acrolein	1.99	56	21763	230.406	ug/l	89
14) Allyl chloride	2.09	41	132364	64.131	ug/l	89
15) Acrylonitrile	2.93	53	63546	225.397	ug/l	91
16) Acetone	2.23	43	133679	256.266	ug/l	100
17) Carbon Disulfide	1.80	76	275794m	47.220	ug/l	
18) Methyl Acetate	2.33	43	49351	47.705	ug/l	97
19) Methyl tert-butyl Ether	2.41	73	176092	41.936	ug/l	99
20) Methylene Chloride	2.17	84	89386m	50.497	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	82463	40.013	ug/l	92
22) Diisopropyl ether	2.79	45	318580	47.792	ug/l	97
23) Vinyl Acetate	3.17	43	740885	252.655	ug/l	100
24) 1,1-Dichloroethane	2.86	63	187128	44.728	ug/l	98
25) 2-Butanone	4.32	43	225960	260.483	ug/l	95
26) 2,2-Dichloropropane	3.58	77	112919	43.930	ug/l	99
27) cis-1,2-Dichloroethene	3.46	96	147902	48.616	ug/l	98
28) Bromochloromethane	3.70	49	88574	47.099	ug/l #	92
29) Tetrahydrofuran	4.05	42	89046	238.394	ug/l	98
30) Chloroform	3.83	83	268461	47.547	ug/l	94
31) Cyclohexane	3.67	56	201048m	48.107	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	192899m	46.594	ug/l	
36) 1,1-Dichloropropene	4.26	75	204361	48.881	ug/l	97
37) Ethyl Acetate	4.09	43	76545	45.802	ug/l #	75
38) Carbon Tetrachloride	3.97	117	159305	43.585	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	209089	46.148	ug/l	95
40) Benzene	4.61	78	442543	47.570	ug/l	99
41) Methacrylonitrile	4.72	41	43344	48.742	ug/l	97
42) 1,2-Dichloroethane	4.92	62	154340	46.557	ug/l	98
43) Isopropyl Acetate	6.94	43	98750	47.080	ug/l #	96
44) Trichloroethene	5.48	130	131193	45.971	ug/l	94
45) 1,2-Dichloropropane	6.21	63	118906	48.700	ug/l	100
46) Dibromomethane	6.06	93	76464	47.098	ug/l	96
47) Bromodichloromethane	6.37	83	194203	48.346	ug/l	98
48) Methyl methacrylate	6.69	41	63177	44.855	ug/l	87
49) 1,4-Dioxane	6.68	88	9246	935.988	ug/l #	85
51) 4-Methyl-2-Pentanone	8.23	43	363060	235.450	ug/l	97
52) Toluene	7.60	92	291473	47.577	ug/l	100
53) t-1,3-Dichloropropene	8.26	75	152030	47.663	ug/l	96
54) cis-1,3-Dichloropropene	7.28	75	187329	46.985	ug/l	95
55) 1,1,2-Trichloroethane	8.47	97	78887	45.345	ug/l	92
56) Ethyl methacrylate	8.60	69	93245	46.069	ug/l	98
57) 1,3-Dichloropropane	8.83	76	142405	43.671	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.28	63	54316	255.261	ug/l	98
59) 2-Hexanone	9.48	43	268443	249.655	ug/l	98
60) Dibromochloromethane	8.70	129	115553	45.433	ug/l	99
61) 1,2-Dibromoethane	8.96	107	84446	42.401	ug/l	94
64) Tetrachloroethene	8.13	164	115838	49.842	ug/l	98
65) Chlorobenzene	9.78	112	312977	49.799	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.91	131	132195	52.801	ug/l	99
67) Ethyl Benzene	9.88	91	568719	49.529	ug/l	99
68) m/p-Xylenes	10.11	106	398194	96.416	ug/l	96
69) o-Xylene	10.70	106	220126	49.178	ug/l	88
70) Styrene	10.77	104	291216	47.529	ug/l	99
71) Bromoform	10.76	173	56325	50.071	ug/l #	99
73) Isopropylbenzene	11.10	105	636130	54.821	ug/l	97
74) N-amyl acetate	11.36	43	151676	55.279	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.69	83	104969	50.779	ug/l	99
76) 1,2,3-Trichloropropane	11.78	75	72681	48.932	ug/l	92
77) Bromobenzene	11.48	156	129610	52.889	ug/l	93
78) n-propylbenzene	11.58	91	744207	53.063	ug/l	99
79) 2-Chlorotoluene	11.71	91	415377	51.593	ug/l	97
80) 1,3,5-Trimethylbenzene	11.81	105	484348	51.723	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	35067m	54.309	ug/l	
82) 4-Chlorotoluene	11.88	91	412471	50.770	ug/l	99
83) tert-Butylbenzene	12.12	119	518013	53.446	ug/l	97
84) 1,2,4-Trimethylbenzene	12.19	105	499091	51.742	ug/l	98
85) sec-Butylbenzene	12.30	105	719940	54.697	ug/l	100
86) p-Isopropyltoluene	12.44	119	574877	53.205	ug/l	96
87) 1,3-Dichlorobenzene	12.46	146	236869	48.460	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	242475	52.361	ug/l	98
89) n-Butylbenzene	12.83	91	594298	53.333	ug/l	96
90) Hexachloroethane	12.91	117	147593	57.948	ug/l	92
91) 1,2-Dichlorobenzene	12.93	146	227970	49.729	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	19526	53.255	ug/l	74

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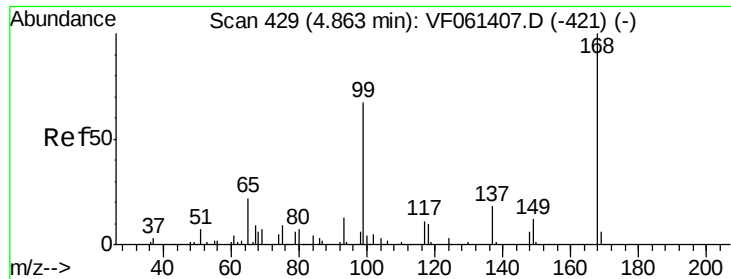
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	161321	50.234	ug/l	99
94) Hexachlorobutadiene	14.18	225	103144	51.760	ug/l	98
95) Naphthalene	14.45	128	318659	52.227	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	146904	49.416	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.01 min

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Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 210610

Ion Ratio Lower Upper

168 100

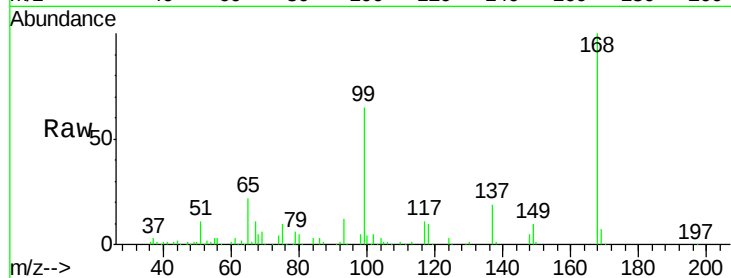
99 65.3 53.5 80.3

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

80000

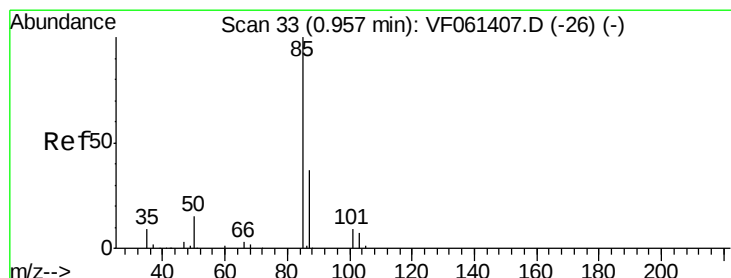
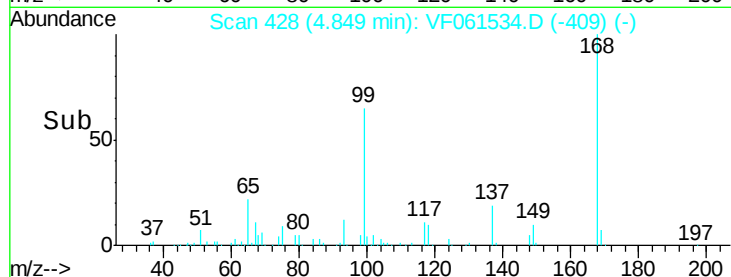
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 41.834 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061534.D

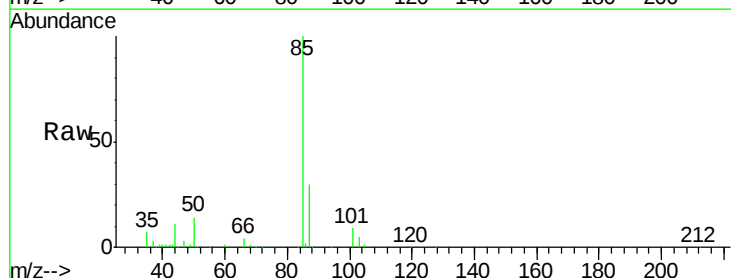
Acq: 28 Jan 2019 11:24

Tgt Ion: 85 Resp: 173117

Ion Ratio Lower Upper

85 100

87 29.9 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

50000

40000

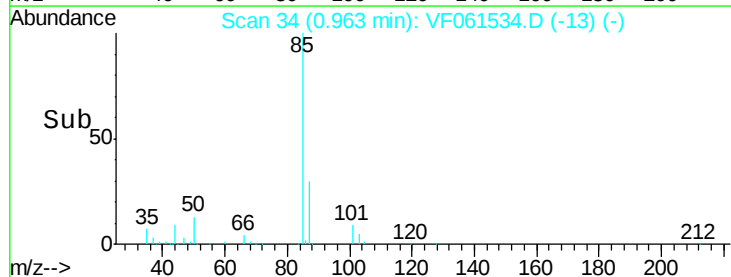
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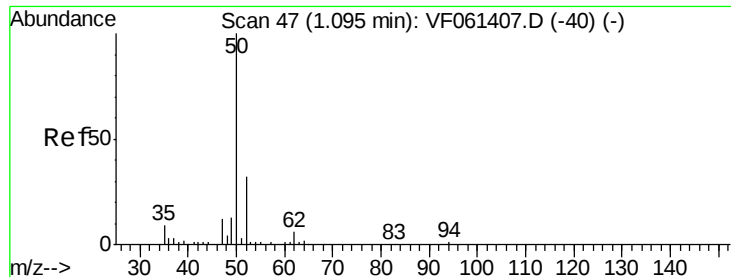
20000

10000

0

Time-->





#3

Chloromethane

Concen: 44.049 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 133657

Ion Ratio Lower Upper

50 100

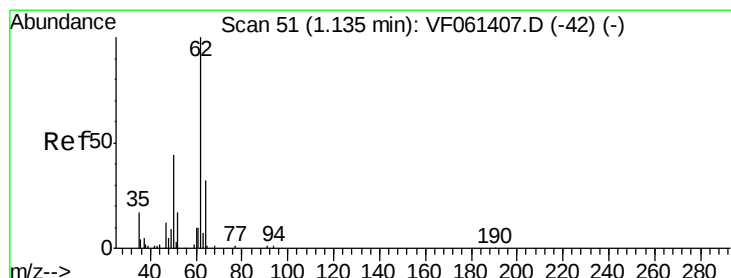
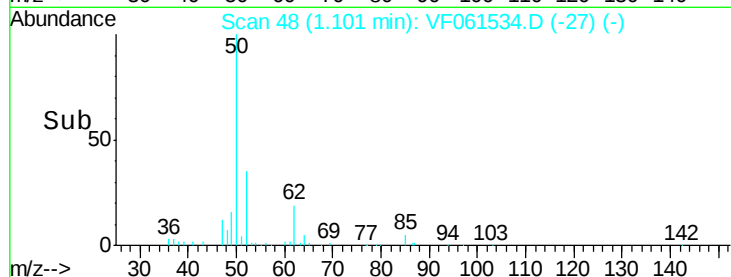
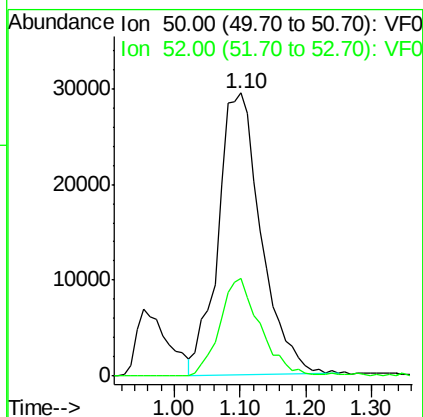
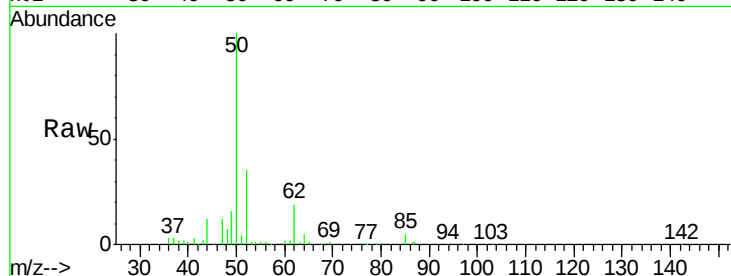
52 34.8 24.6 36.8

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#4

Vinyl Chloride

Concen: 45.743 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF061534.D

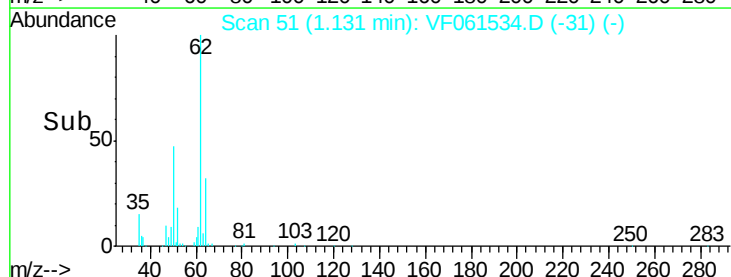
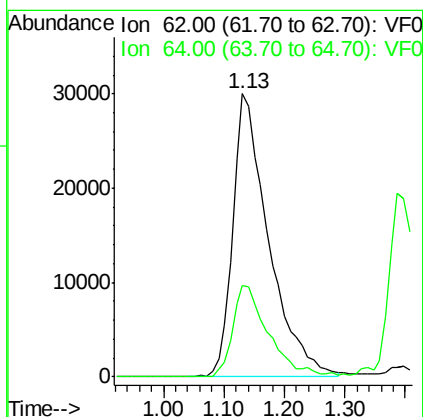
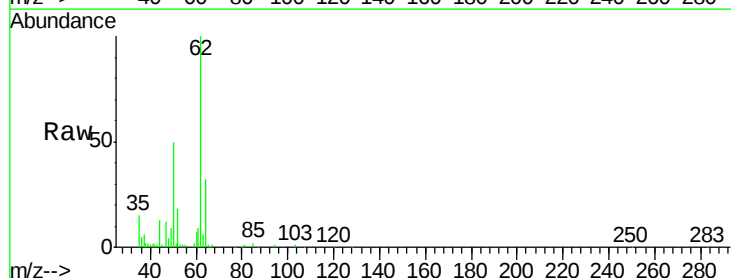
Acq: 28 Jan 2019 11:24

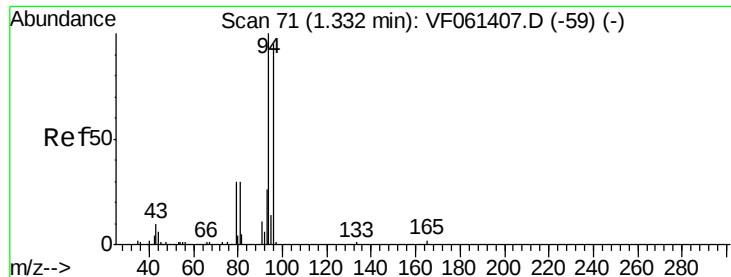
Tgt Ion: 62 Resp: 123466

Ion Ratio Lower Upper

62 100

64 32.3 25.6 38.4





#5

Bromomethane

Concen: 51.716 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

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VSTDCCC050

Tot Ion: 94 Resp: 91025

Ion Ratio Lower Upper

94 100

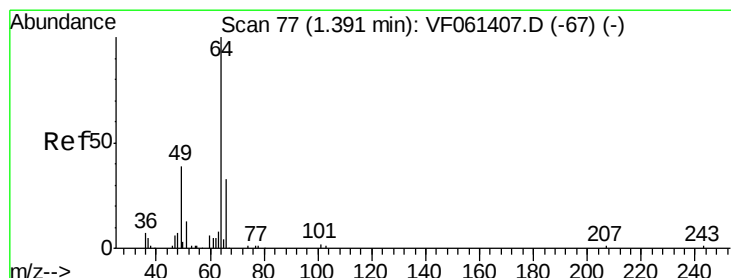
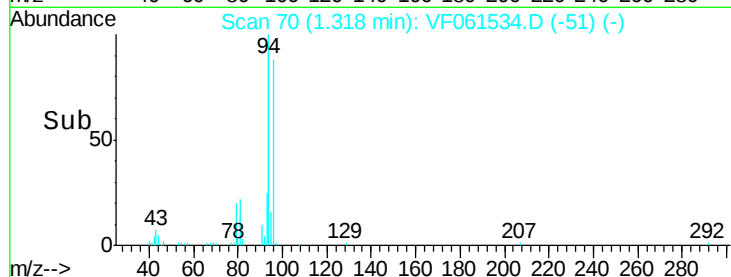
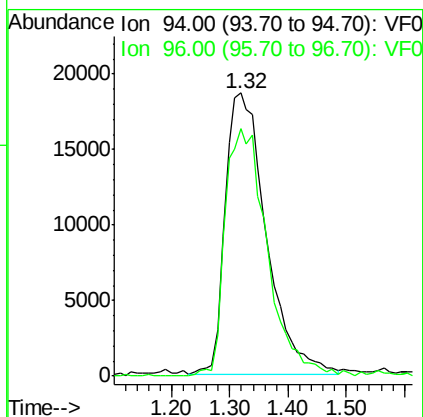
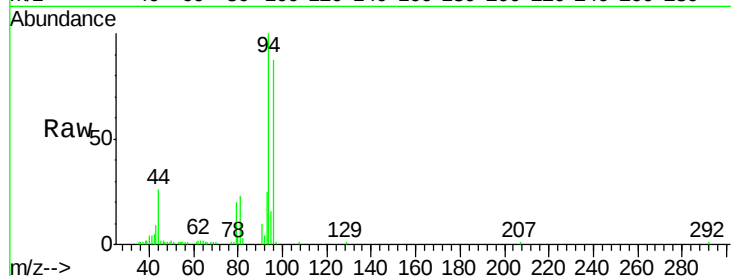
96 87.2 76.0 114.0

Manual Integrations

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#6

Chloroethane

Concen: 50.569 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF061534.D

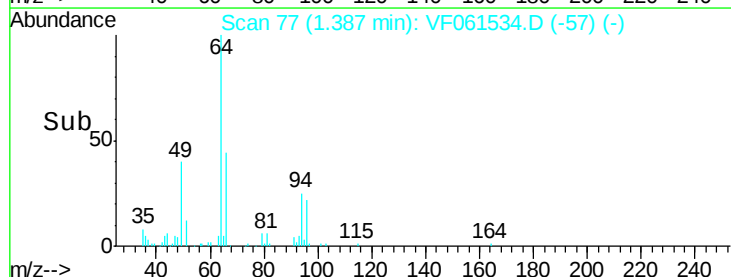
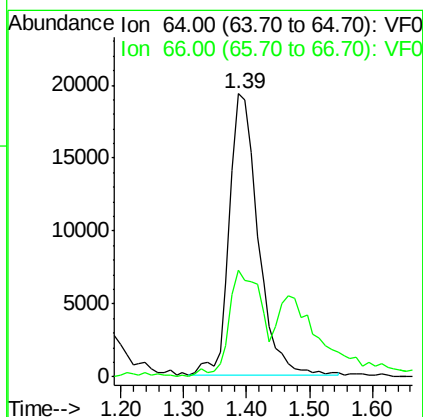
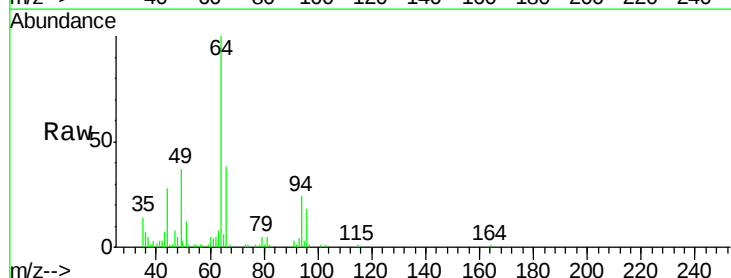
Acq: 28 Jan 2019 11:24

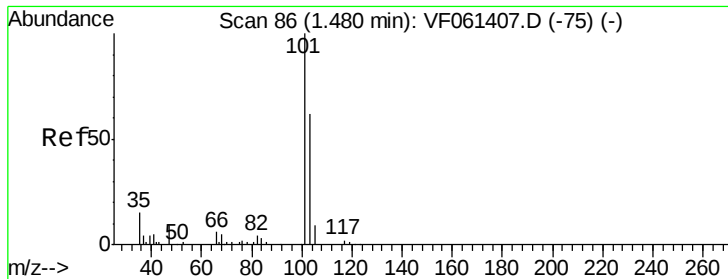
Tgt Ion: 64 Resp: 60480

Ion Ratio Lower Upper

64 100

66 37.6 26.6 40.0





#7

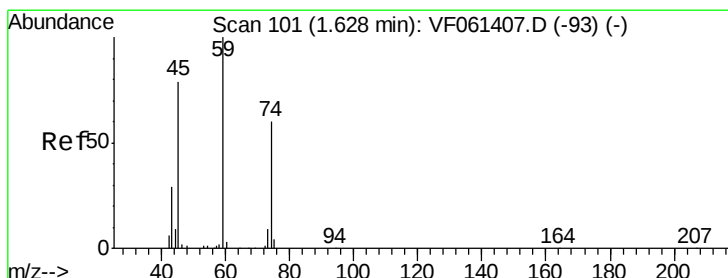
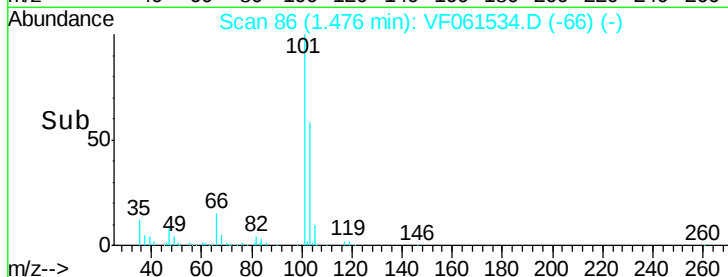
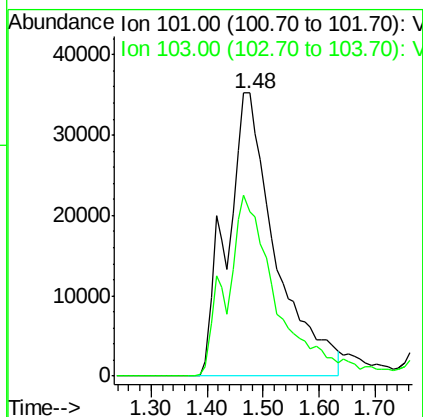
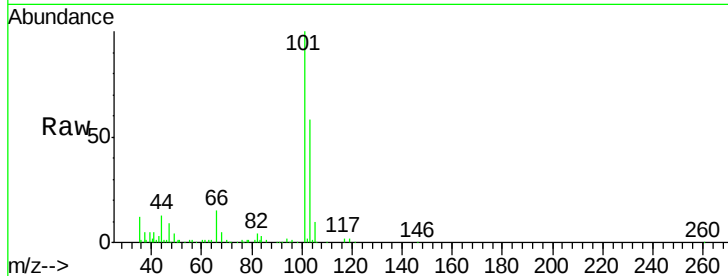
Trichlorofluoromethane
 Concen: 40.629 ug/l
 RT: 1.48 min Scan# 86
 Delta R.T. -0.00 min
 Lab File: VF061534.D
 Acq: 28 Jan 2019 11:24

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Tot Ion	Ratio	Lower	Upper
101	100		
103	57.9	49.7	74.5

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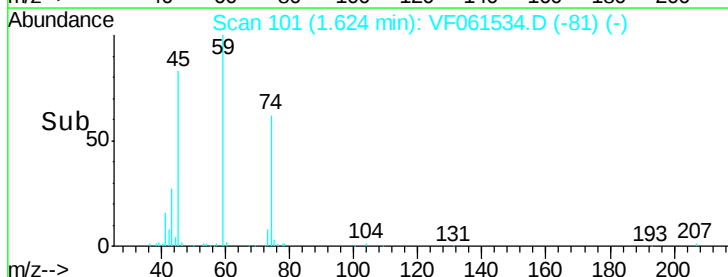
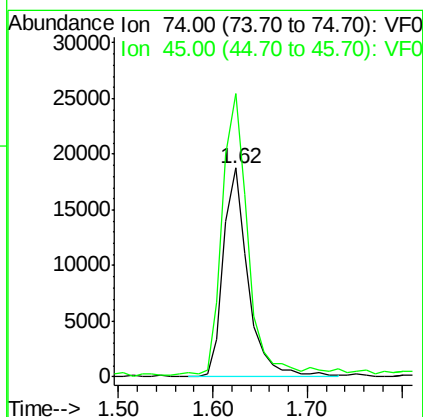
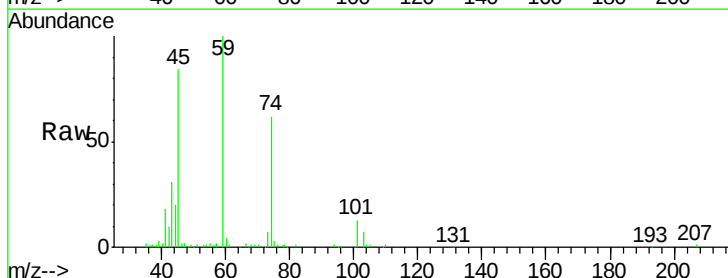
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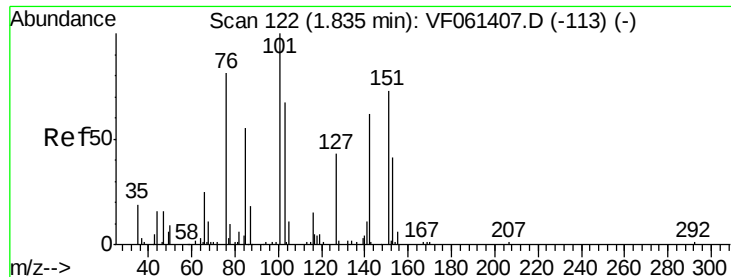


#8

Diethyl Ether
 Concen: 50.721 ug/l
 RT: 1.62 min Scan# 101
 Delta R.T. -0.00 min
 Lab File: VF061534.D
 Acq: 28 Jan 2019 11:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	135.7	65.8	197.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.354 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

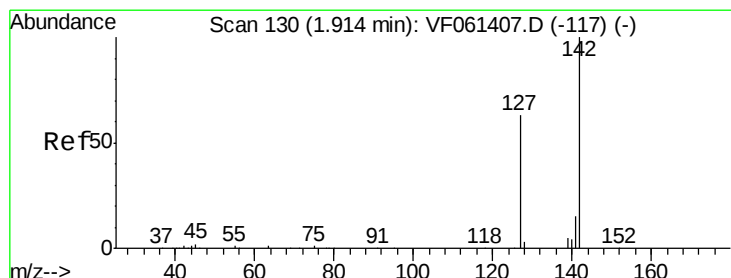
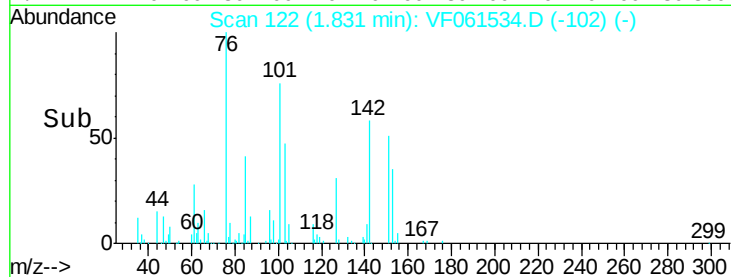
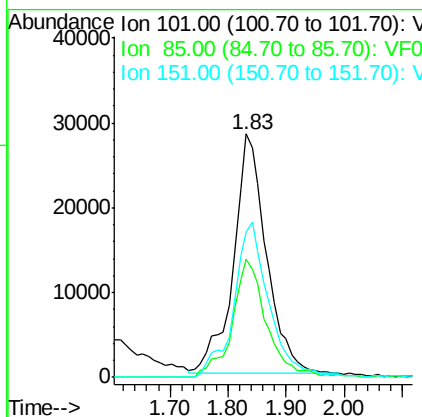
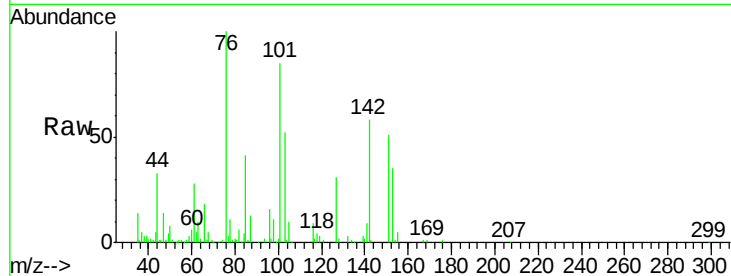
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	111830
Ion Ratio	Lower	Upper	
101	100		
85	48.3	41.9	62.9
151	59.4	55.1	82.7

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#10

Methyl Iodide

Concen: 47.806 ug/l m

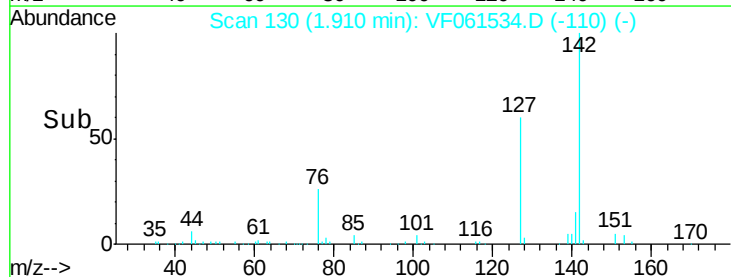
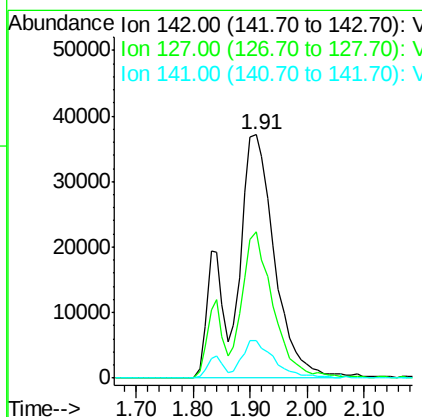
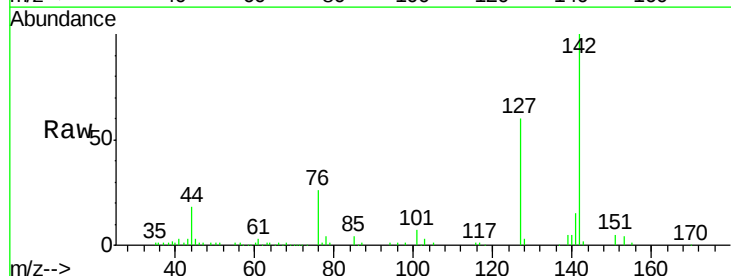
RT: 1.91 min Scan# 130

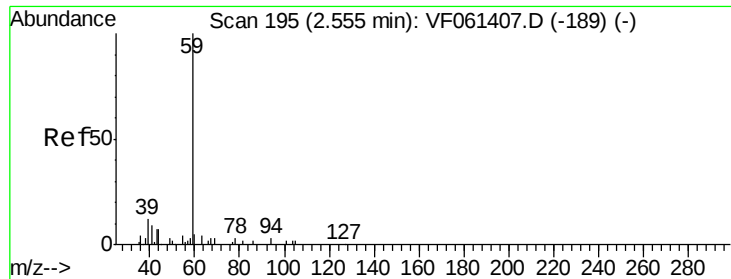
Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Tgt Ion:	142	Resp:	186858
Ion Ratio	Lower	Upper	
142	100		
127	60.0	50.7	76.1
141	15.5	11.8	17.6





#11

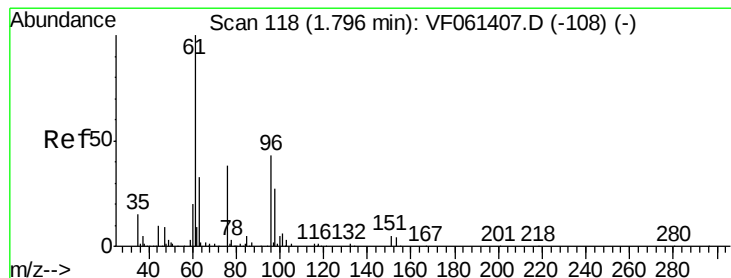
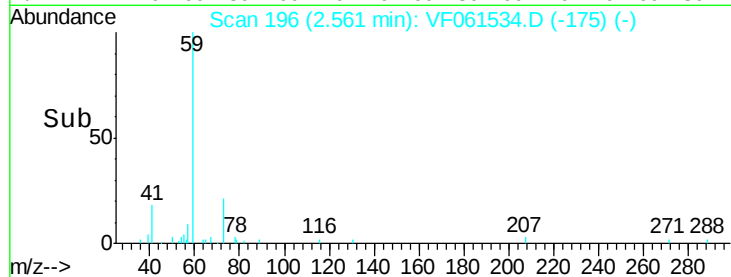
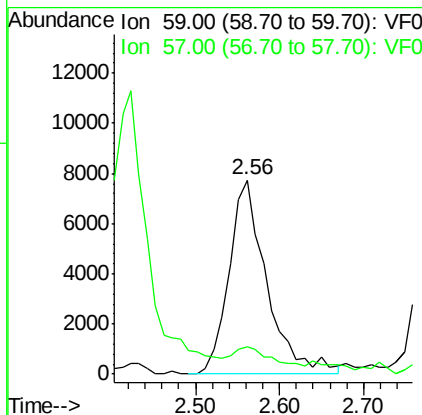
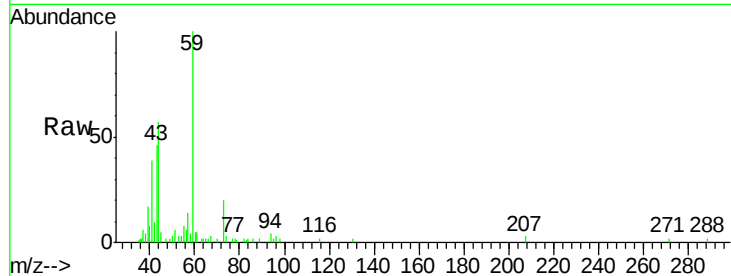
Tert butyl alcohol
 Concen: 219.554 ug/l
 RT: 2.56 min Scan# 196
 Delta R.T. 0.01 min
 Lab File: VF061534.D
 Acq: 28 Jan 2019 11:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	24165
Ion Ratio	100	Lower	Upper
57	14.1	11.9	17.9

Manual Integrations
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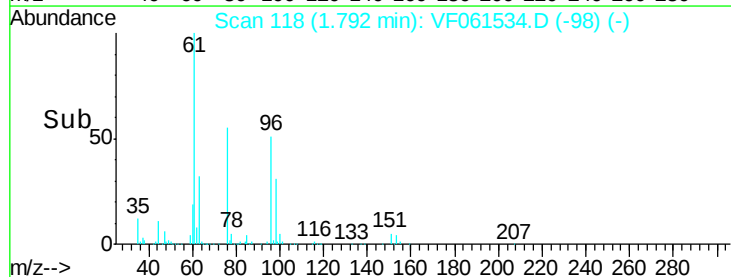
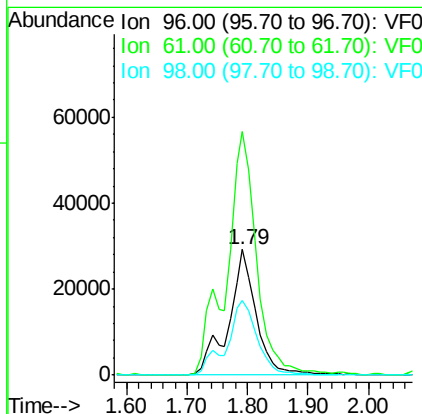
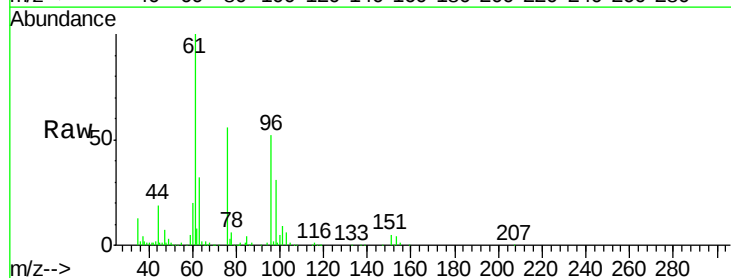
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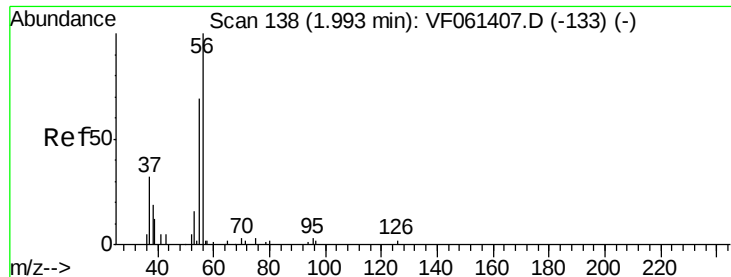


#12

1,1-Dichloroethene
 Concen: 49.994 ug/l
 RT: 1.79 min Scan# 118
 Delta R.T. -0.00 min
 Lab File: VF061534.D
 Acq: 28 Jan 2019 11:24

Tgt Ion	96	Resp	93646
Ion Ratio	100	Lower	Upper
61	194.0	186.9	280.3
98	59.8	53.0	79.4





#13

Acrolein

Concen: 230.406 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 21763

Ion Ratio Lower Upper

56 100

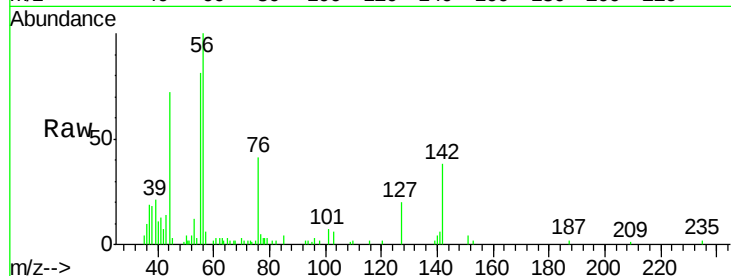
55 81.2 57.5 86.3

Manual Integrations

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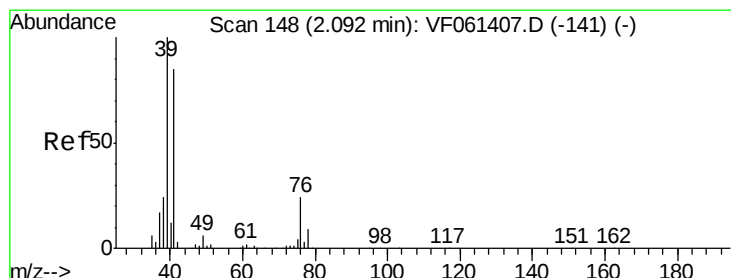
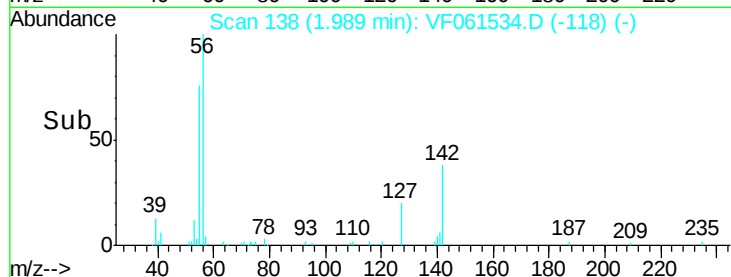
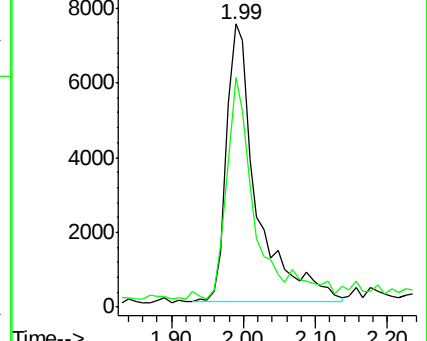
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 64.131 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

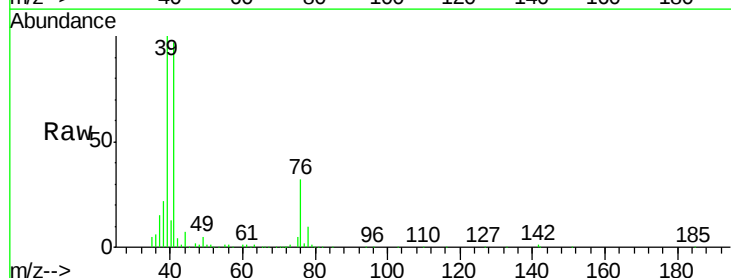
Tgt Ion: 41 Resp: 132364

Ion Ratio Lower Upper

41 100

39 102.9 94.6 141.8

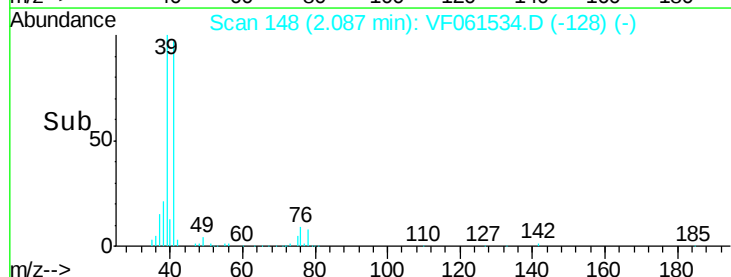
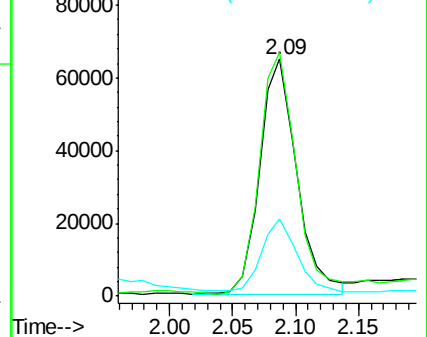
76 32.7 25.9 38.9

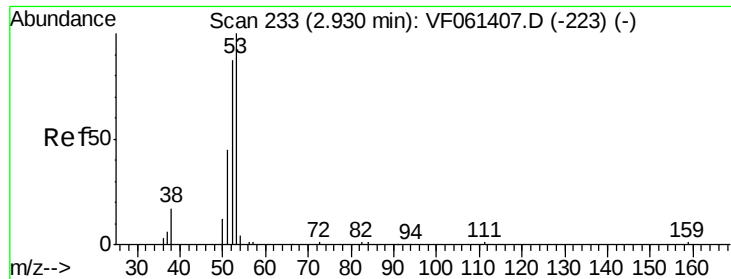


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 225.397 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

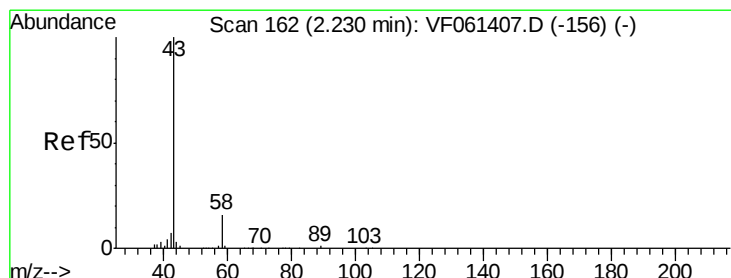
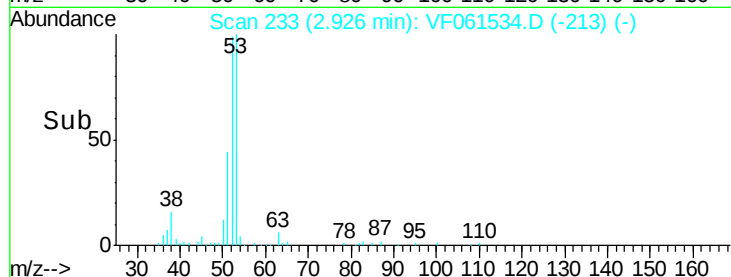
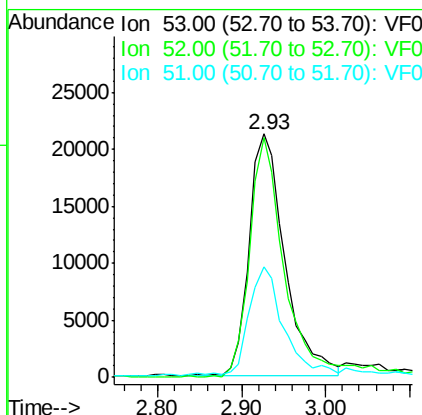
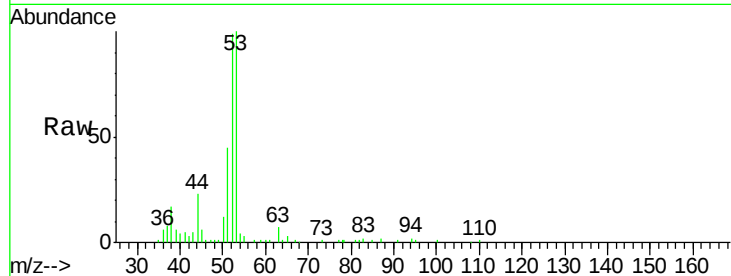
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	63546
Ion	Ratio	Lower	Upper
53	100		
52	98.7	69.6	104.4
51	45.5	36.8	55.2

Manual Integrations
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#16

Acetone

Concen: 256.266 ug/l

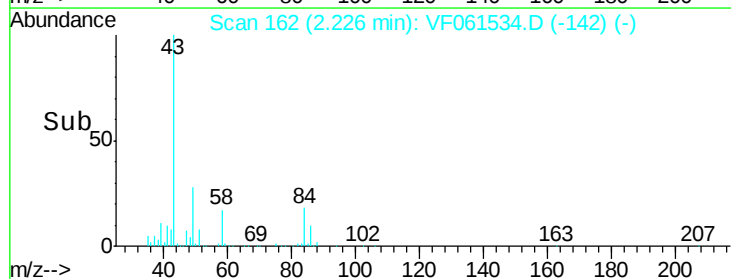
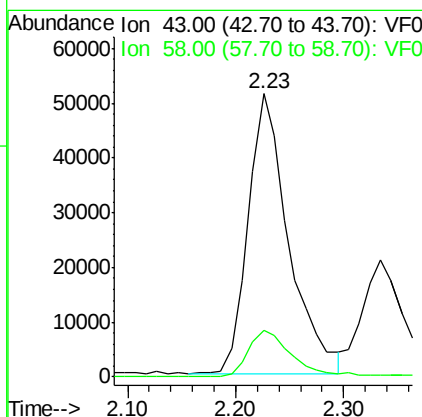
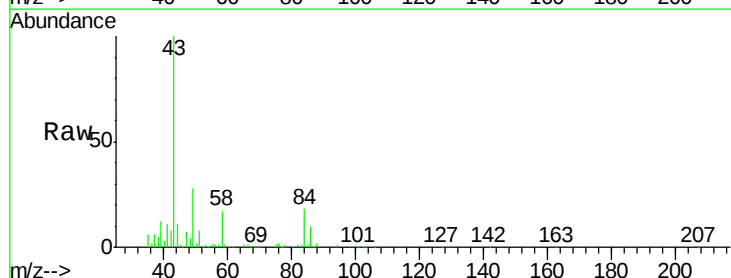
RT: 2.23 min Scan# 162

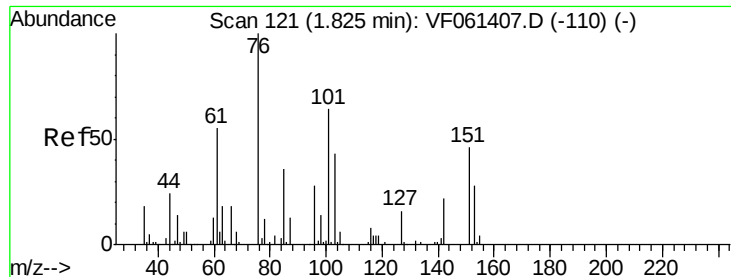
Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Tgt Ion:	43	Resp:	133679
Ion	Ratio	Lower	Upper
43	100		
58	16.6	13.3	19.9





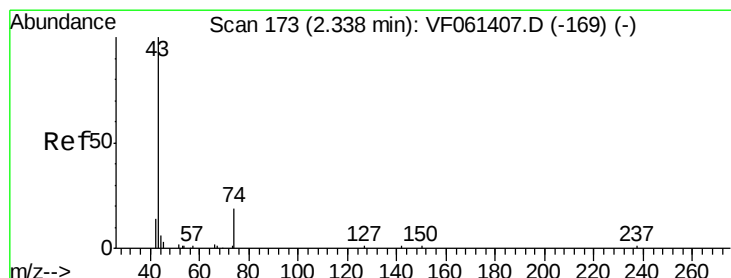
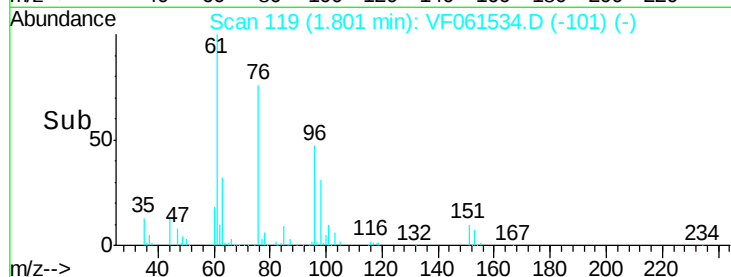
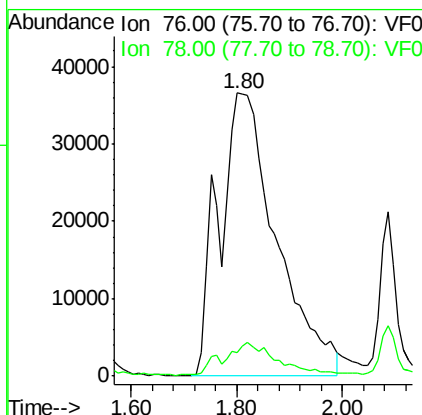
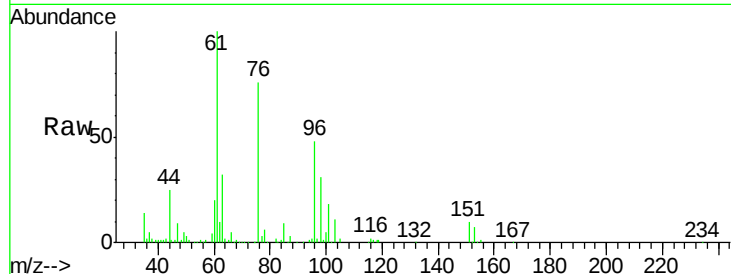
#17
Carbon Disulfide
Concen: 47.220 ug/l m
RT: 1.80 min Scan# 119
Delta R.T. -0.02 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	9.6	14.4#

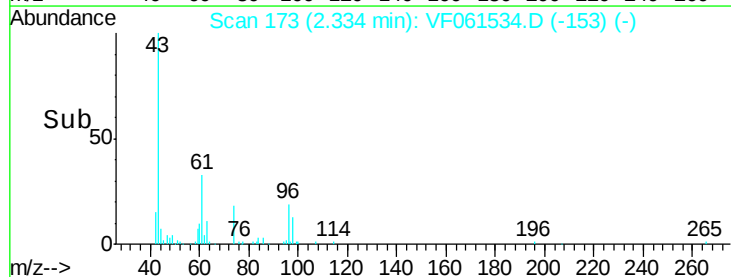
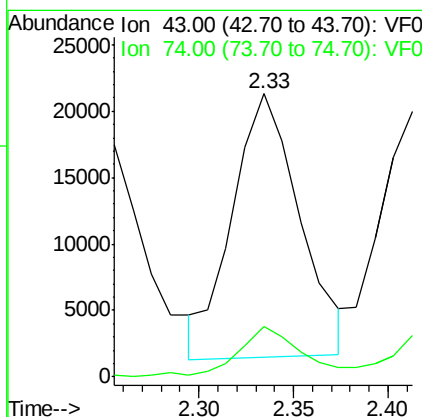
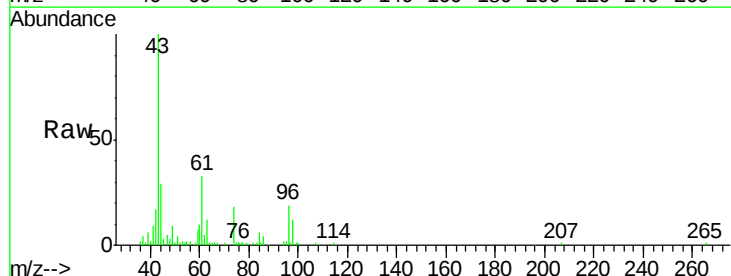
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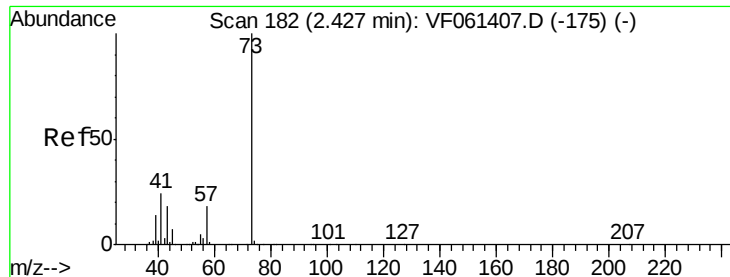
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#18
Methyl Acetate
Concen: 47.705 ug/l
RT: 2.33 min Scan# 173
Delta R.T. -0.00 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	17.8	13.4	20.0





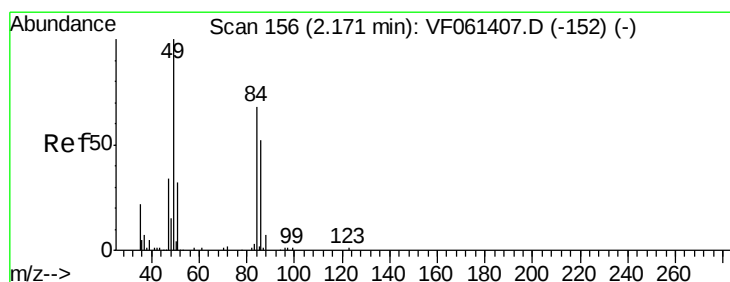
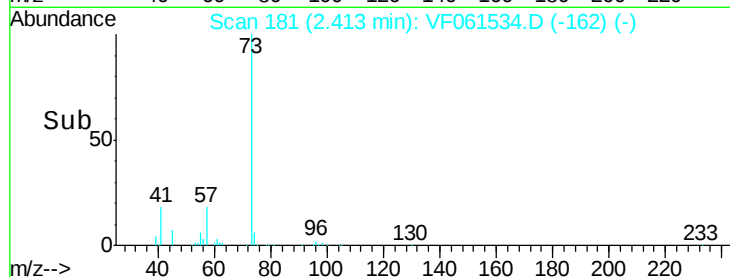
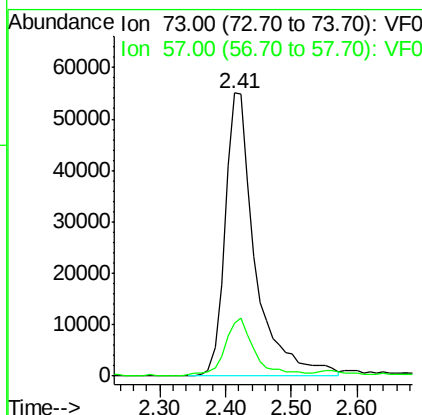
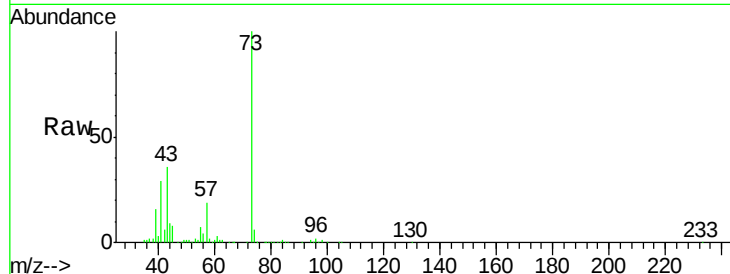
#19
Methvl tert-butvl Ether
Concen: 41.936 ug/l
RT: 2.41 min Scan# 181
Delta R.T. -0.01 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.9	14.8	22.2

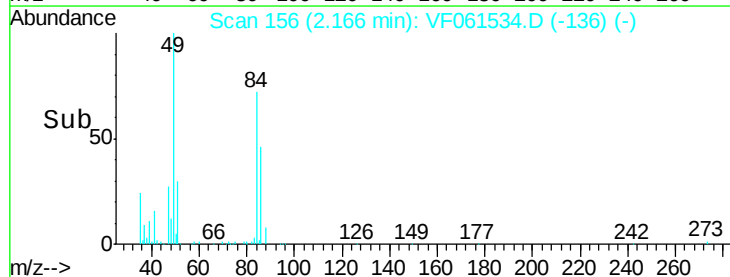
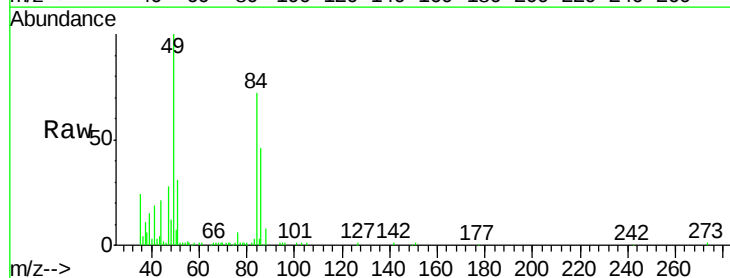
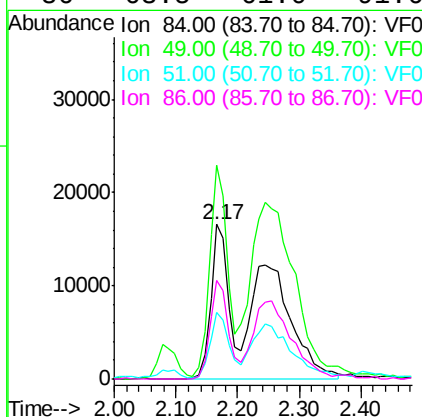
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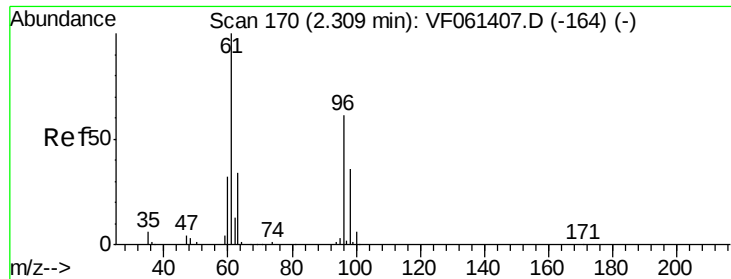
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#20
Methylene Chloride
Concen: 50.497 ug/l m
RT: 2.17 min Scan# 156
Delta R.T. -0.00 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	138.2	120.0	180.0
51	42.9	38.6	58.0
86	63.5	61.0	91.6





#21

trans-1,2-Dichloroethene

Concen: 40.013 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

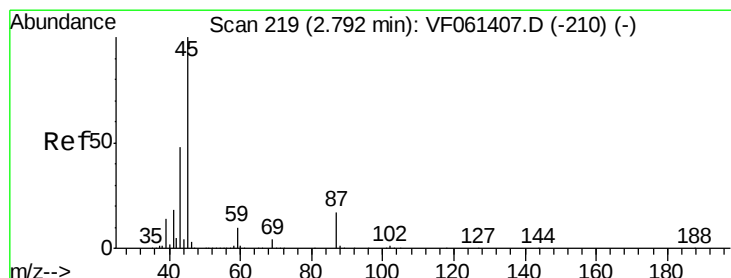
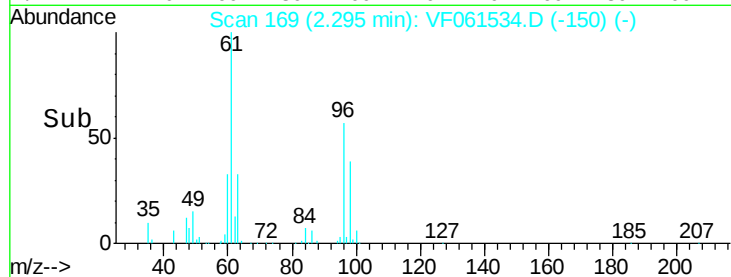
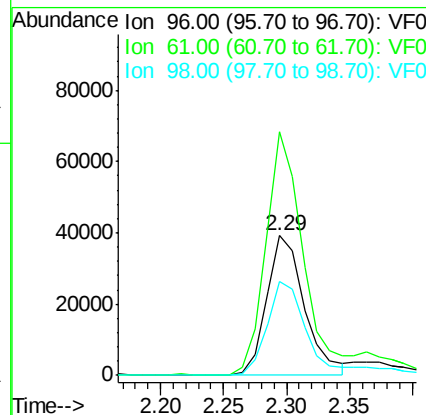
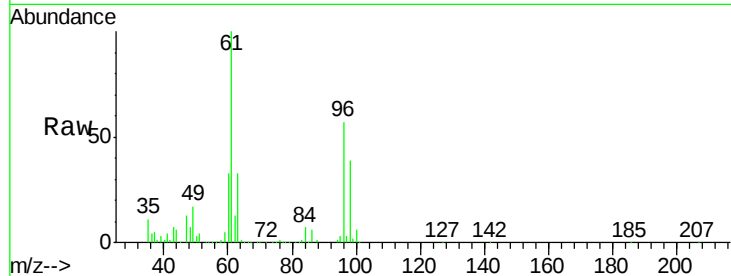
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	82463
Ion	Ratio	Lower	Upper
96	100		
61	174.7	131.8	197.8
98	67.3	47.4	71.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 47.792 ug/l

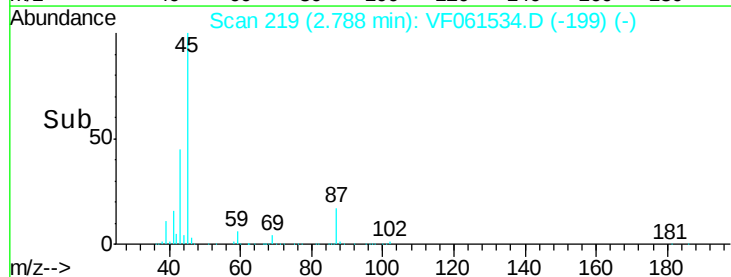
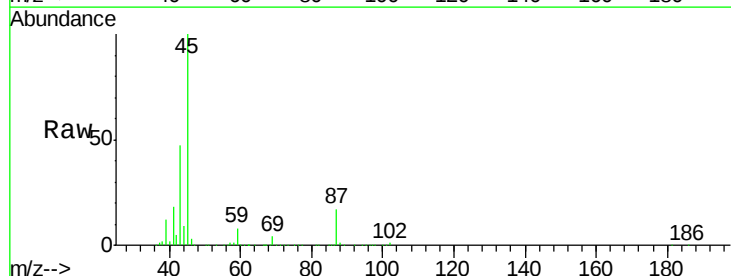
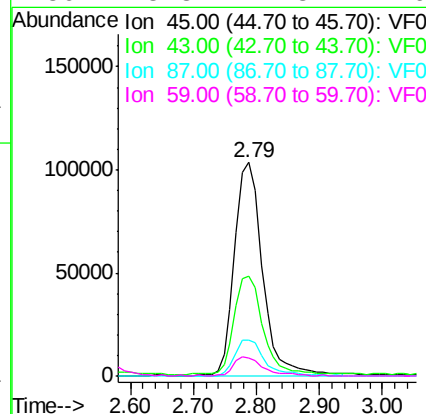
RT: 2.79 min Scan# 219

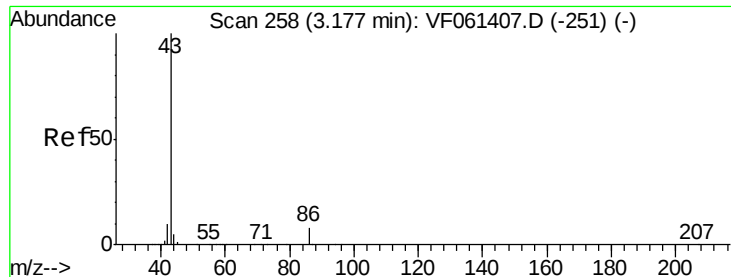
Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Tgt Ion:	45	Resp:	318580
Ion	Ratio	Lower	Upper
45	100		
43	46.5	39.0	58.6
87	17.0	13.9	20.9
59	8.3	7.8	11.6





#23

Vinyl Acetate

Concen: 252.655 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 740885

Ion Ratio Lower Upper

43 100

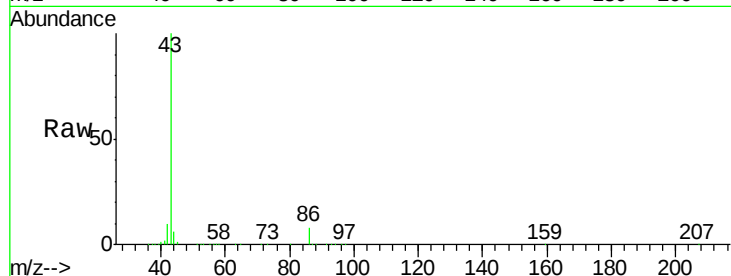
86 7.8 6.2 9.4

Manual Integrations

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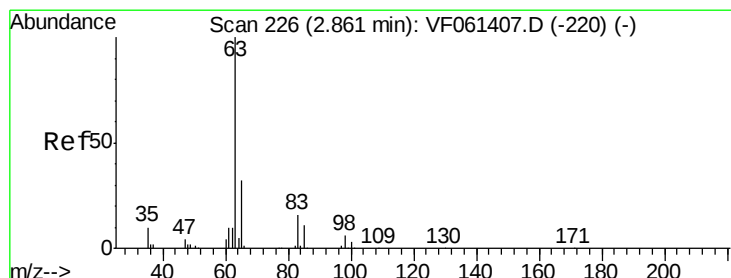
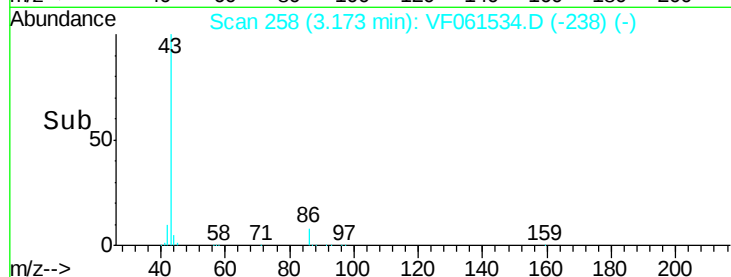
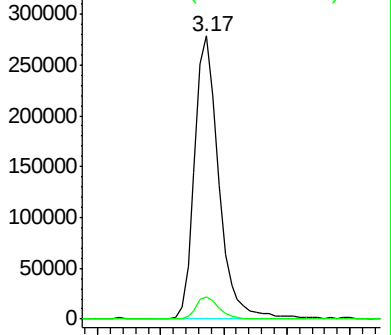
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 44.728 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

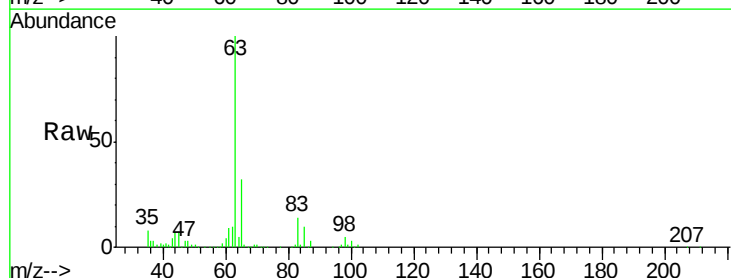
Tgt Ion: 63 Resp: 187128

Ion Ratio Lower Upper

63 100

98 4.7 2.9 8.8

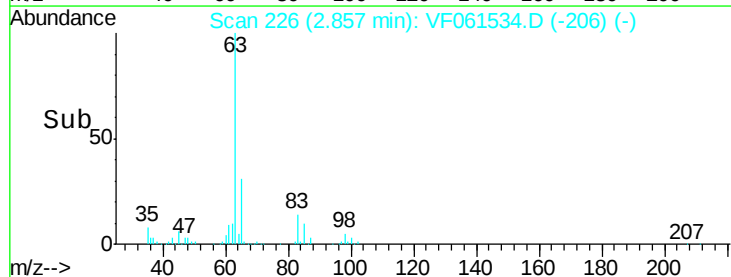
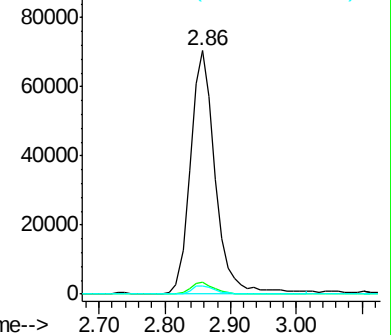
100 3.2 1.6 4.8

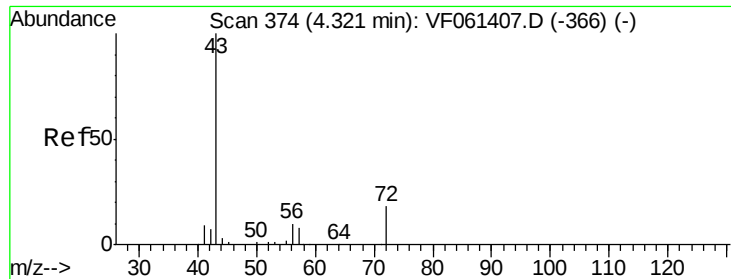


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 260.483 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 225960

Ion Ratio Lower Upper

43 100

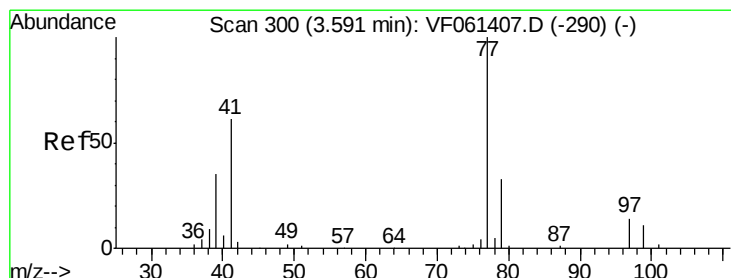
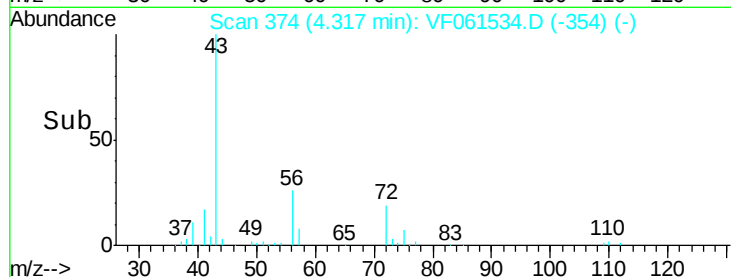
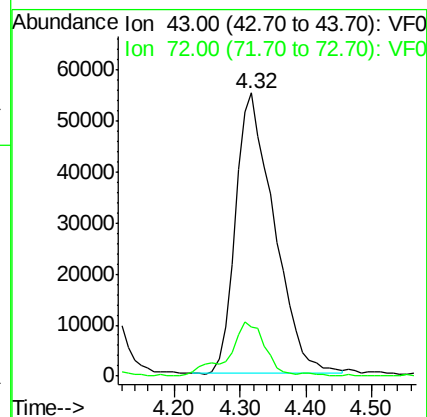
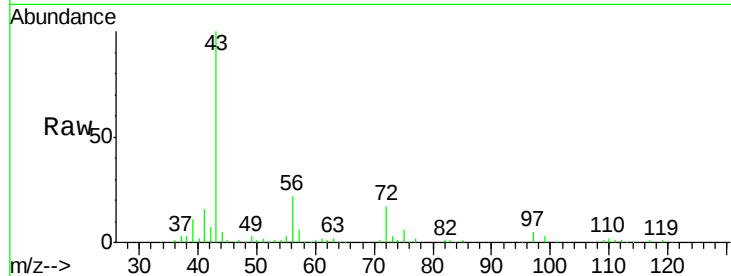
72 17.4 15.8 23.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 43.930 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.01 min

Lab File: VF061534.D

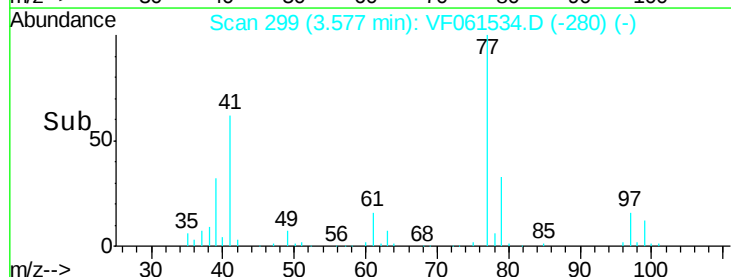
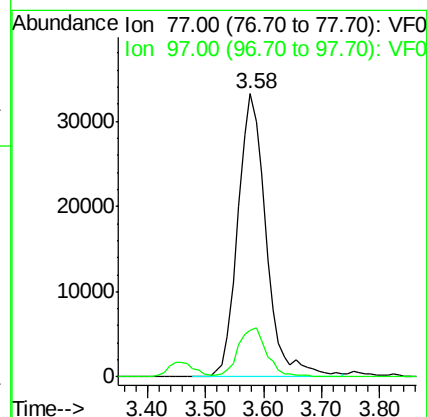
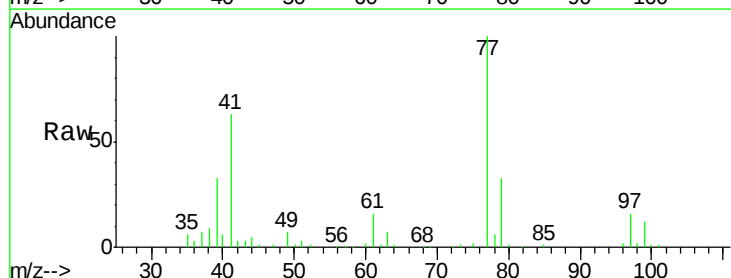
Acq: 28 Jan 2019 11:24

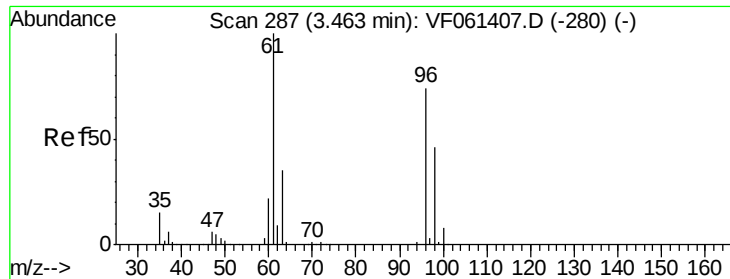
Tgt Ion: 77 Resp: 112919

Ion Ratio Lower Upper

77 100

97 16.4 8.5 25.5





#27

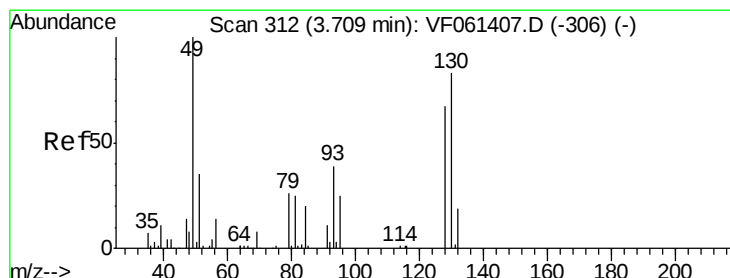
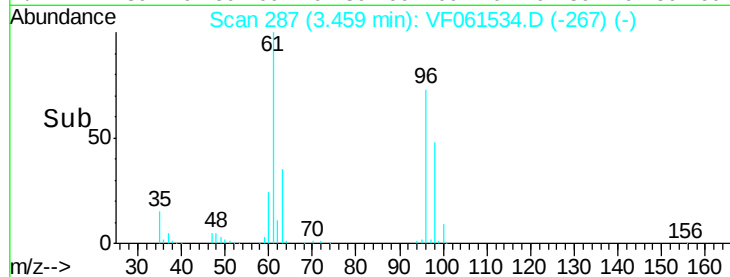
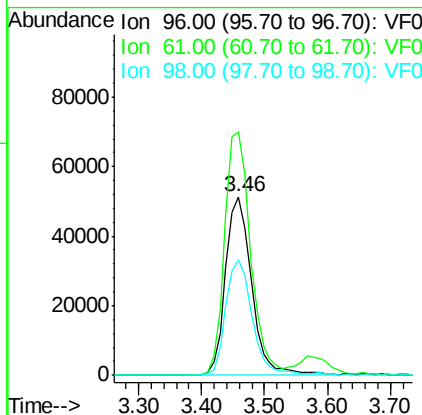
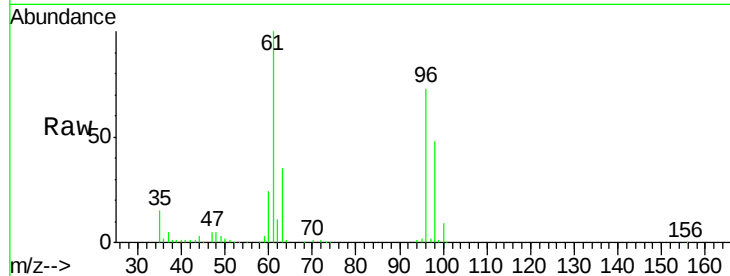
cis-1,2-Dichloroethene
 Concen: 48.616 ug/l
 RT: 3.46 min Scan# 287
 Delta R.T. -0.00 min
 Lab File: VF061534.D
 Acq: 28 Jan 2019 11:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	147902		
61	136.5	0.0	270.2	
98	65.0	0.0	124.0	

Manual Integrations
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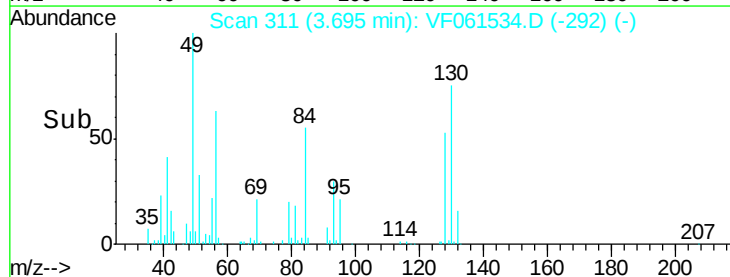
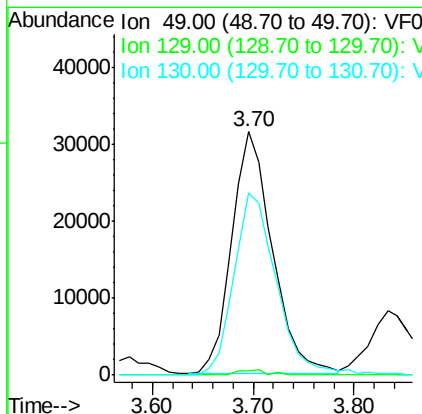
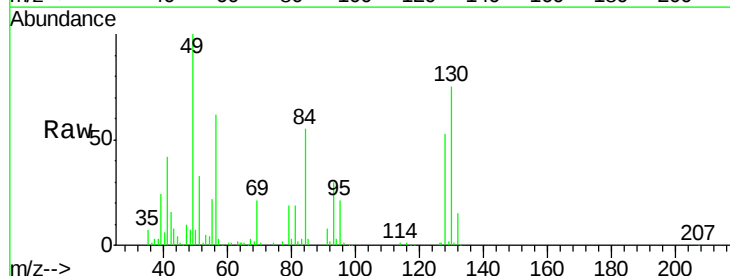
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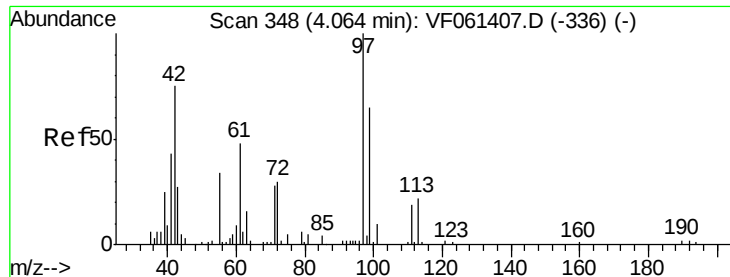


#28

Bromochloromethane
 Concen: 47.099 ug/l
 RT: 3.70 min Scan# 311
 Delta R.T. -0.01 min
 Lab File: VF061534.D
 Acq: 28 Jan 2019 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	88574		
129	1.8	0.0	0.0#	
130	74.9	65.4	98.2	





#29

Tetrahydrofuran

Concen: 238.394 ug/l

RT: 4.05 min Scan# 347

Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

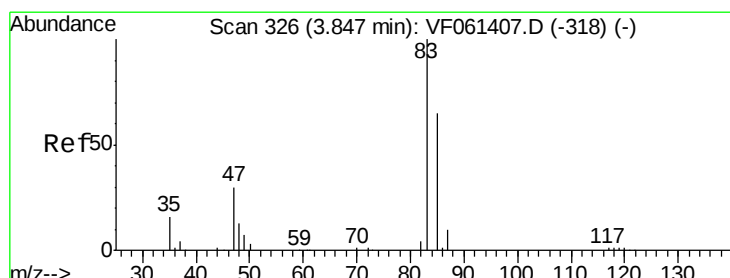
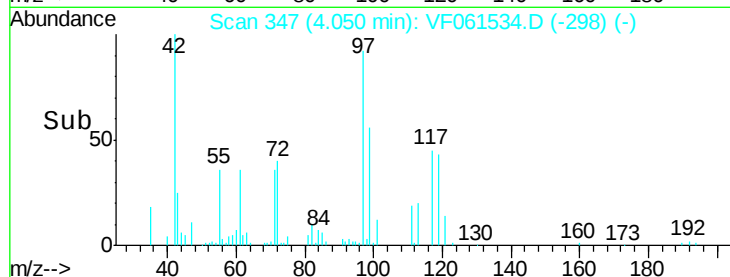
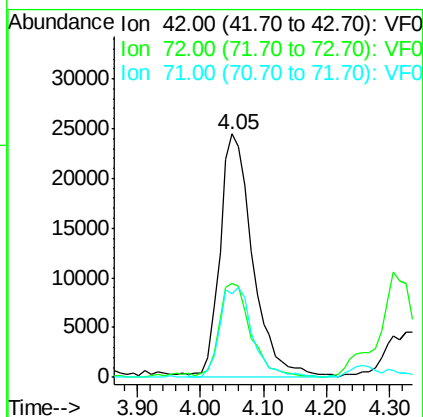
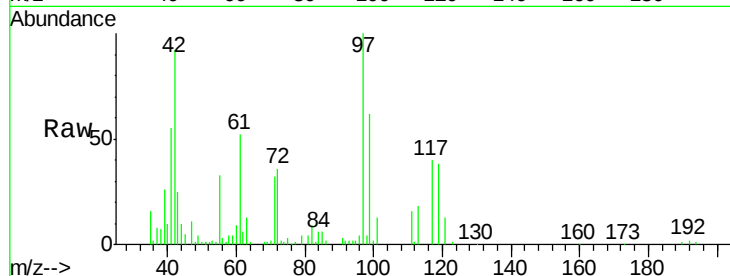
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	89046
Ion	Ratio	Lower	Upper
42	100		
72	37.5	28.9	43.3
71	36.6	29.6	44.4

Manual Integrations
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#30

Chloroform

Concen: 47.547 ug/l

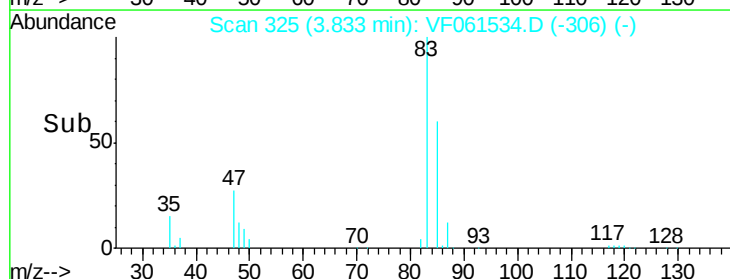
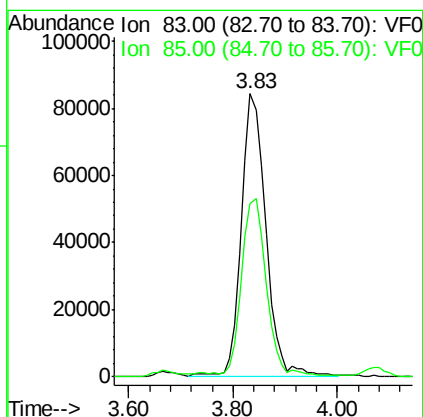
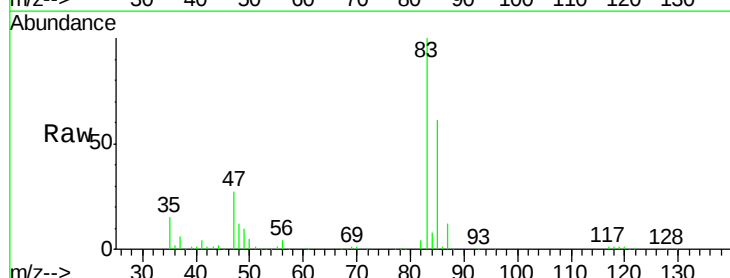
RT: 3.83 min Scan# 325

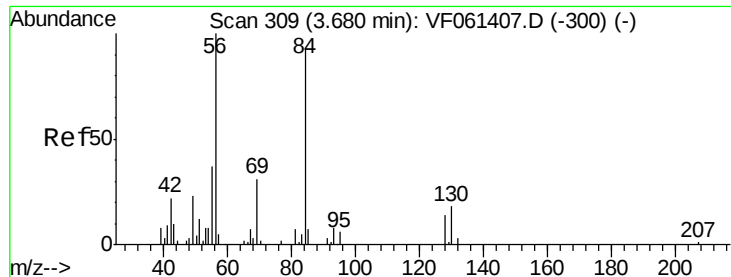
Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Tgt Ion:	83	Resp:	268461
Ion	Ratio	Lower	Upper
83	100		
85	61.2	52.7	79.1





#31

Cyclohexane

Concen: 48.107 ug/l m

RT: 3.67 min Scan# 308

Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

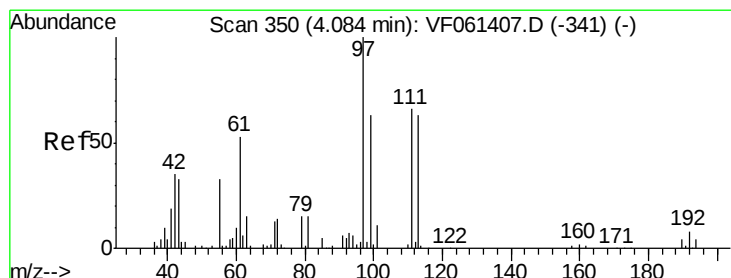
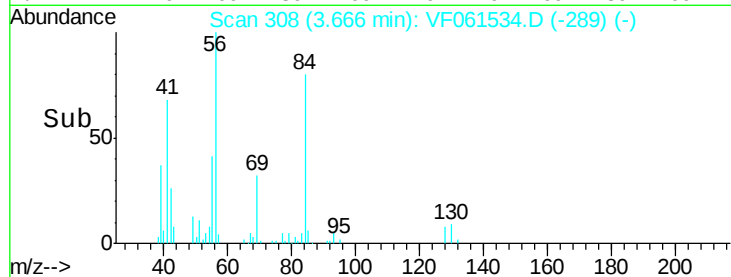
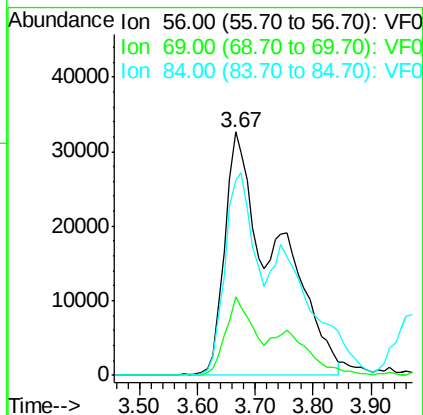
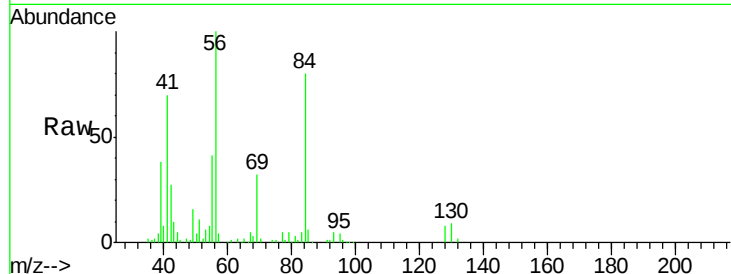
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	201048
Ion Ratio	Lower	Upper	
56	100		
69	32.0	24.6	36.8
84	80.3	74.2	111.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 46.594 ug/l m

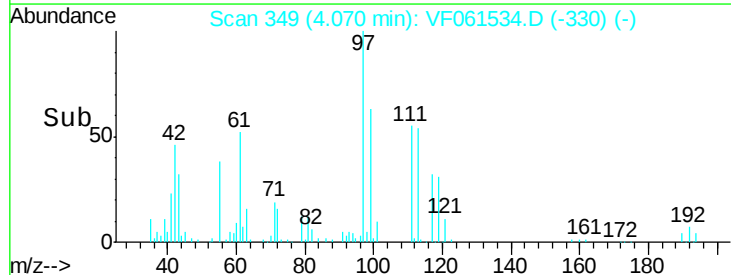
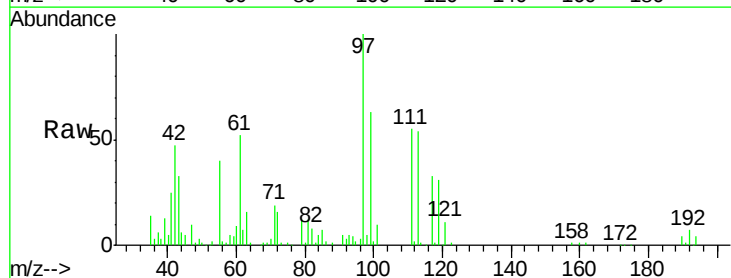
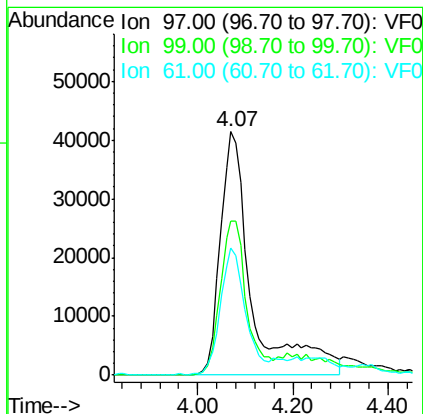
RT: 4.07 min Scan# 349

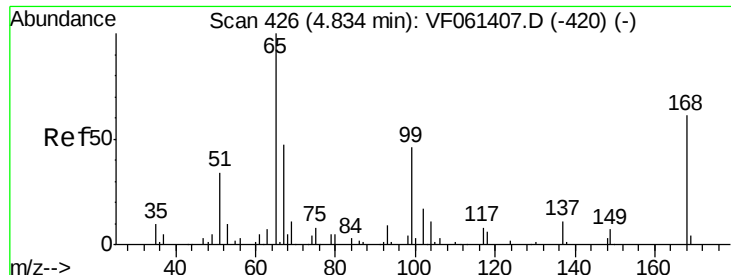
Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Tgt Ion:	97	Resp:	192899
Ion Ratio	Lower	Upper	
97	100		
99	63.2	50.1	75.1
61	52.0	43.1	64.7





#33

1,2-Dichloroethane-d4

Concen: 42.716 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Tot Ion: 65 Resp: 111073

Ion Ratio Lower Upper

65 100

67 50.2 0.0 99.8

Instrument :

MSVOA_F

ClientSampleId :

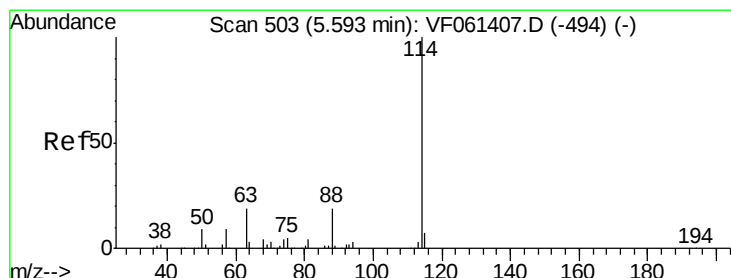
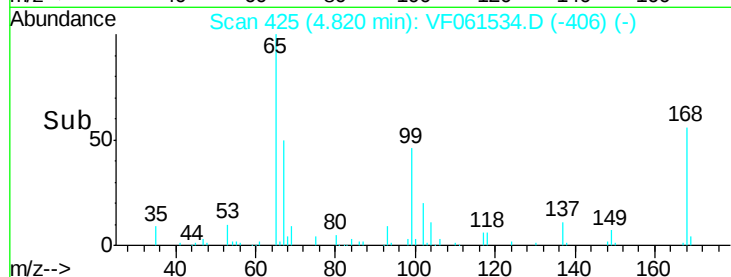
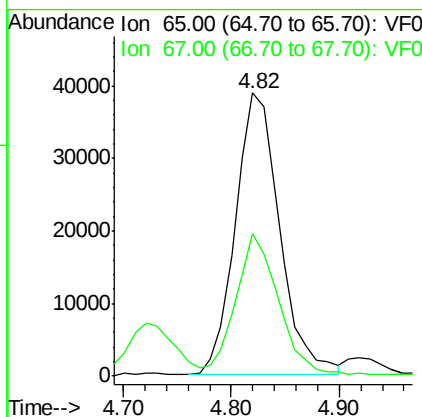
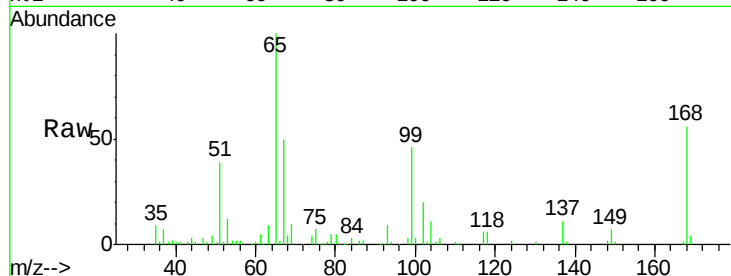
VSTDCCC050

Manual Integrations

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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: VF061534.D

Acq: 28 Jan 2019 11:24

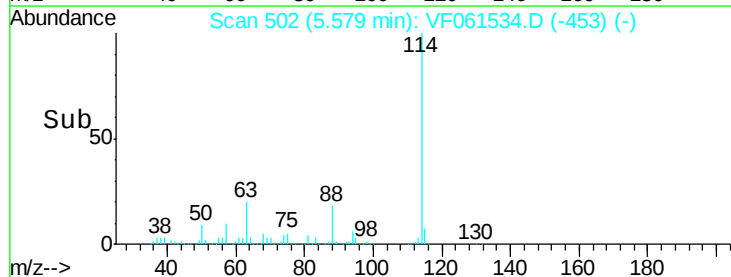
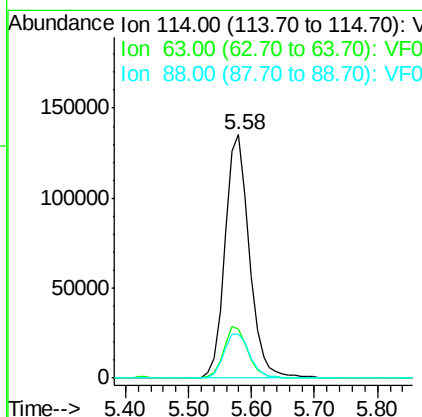
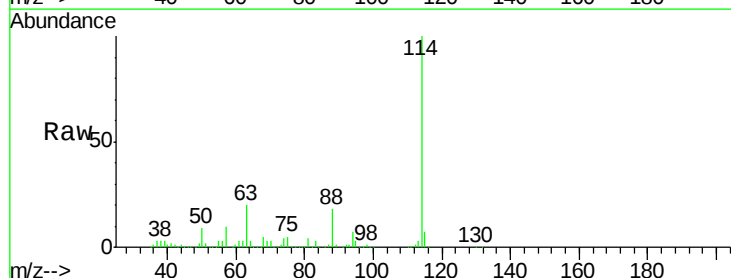
Tgt Ion: 114 Resp: 360586

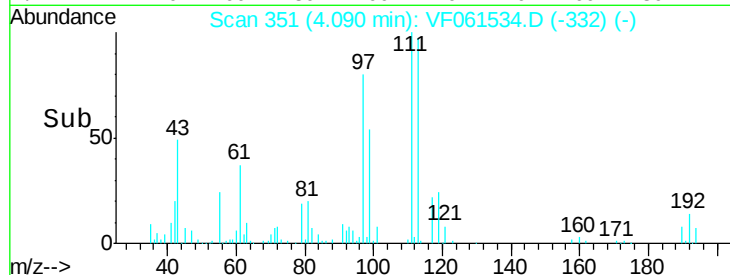
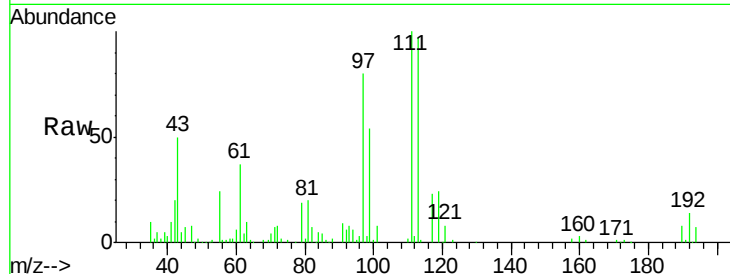
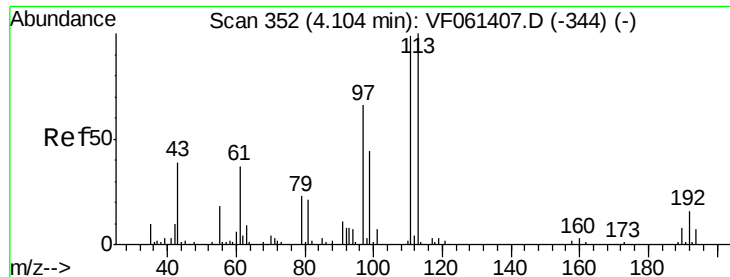
Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.0

88 17.9 0.0 37.4





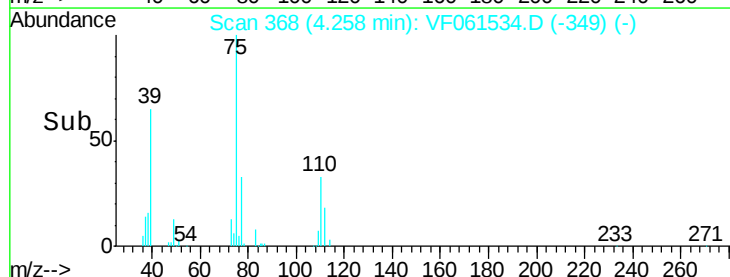
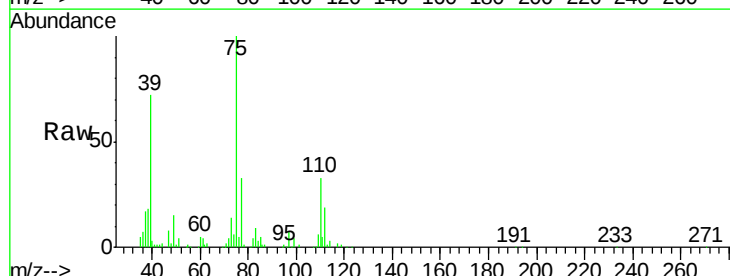
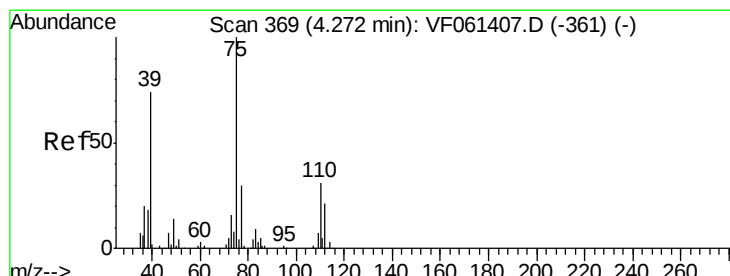
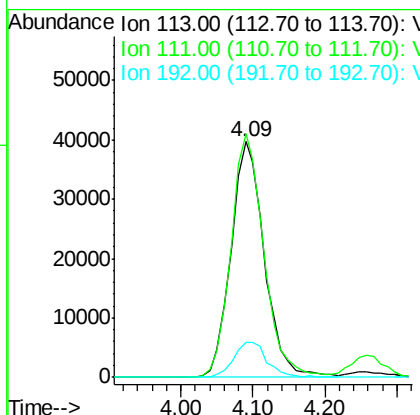
#35
Dibromofluoromethane
Concen: 44.955 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.01 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

Tot Ion	Ratio	Resp	Lower	Upper
113	100	127913		
111	103.3		79.4	119.0
192	14.6		12.4	18.6

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

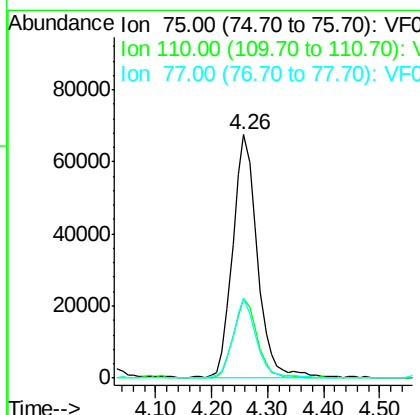
Manual Integrations
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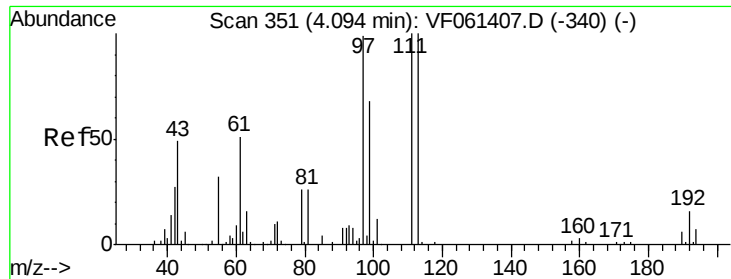
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#36
1,1-Dichloropropene
Concen: 48.881 ug/l
RT: 4.26 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	204361		
110	32.6		15.8	47.3
77	32.6		24.0	36.0





#37

Ethyl Acetate

Concen: 45.802 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

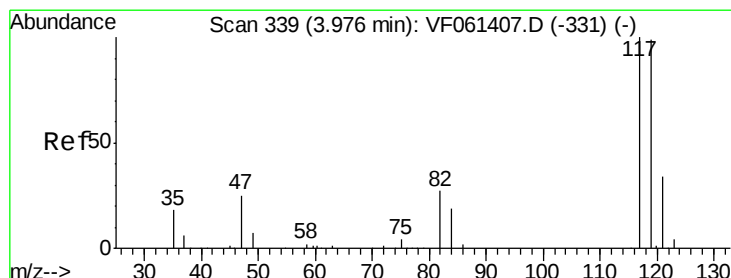
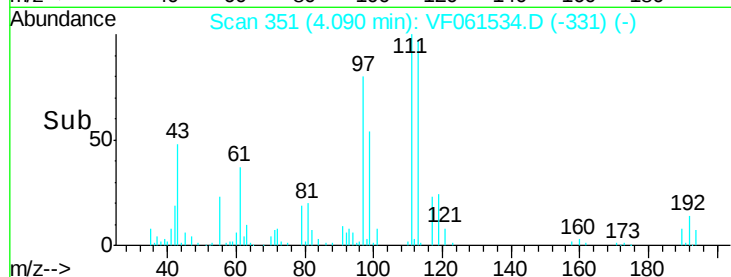
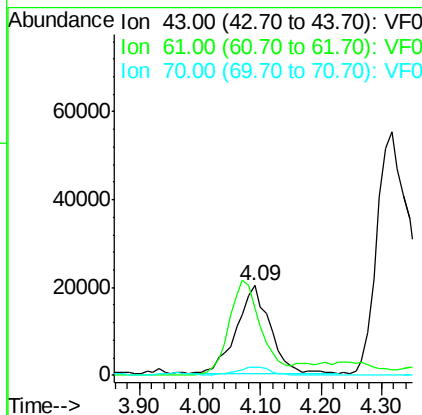
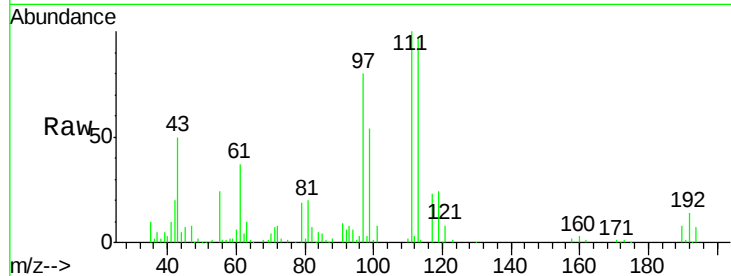
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	76545
Ion	Ratio	Lower	Upper
43	100		
61	75.4	81.7	122.5#
70	8.9	6.2	9.2

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#38

Carbon Tetrachloride

Concen: 43.585 ug/l

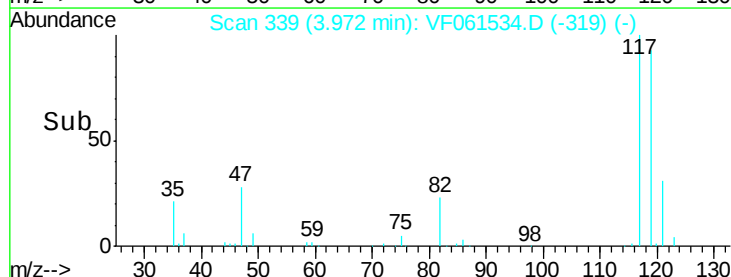
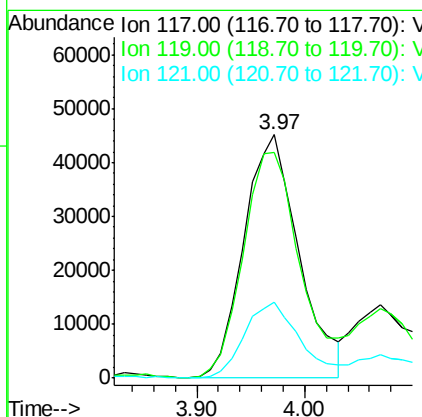
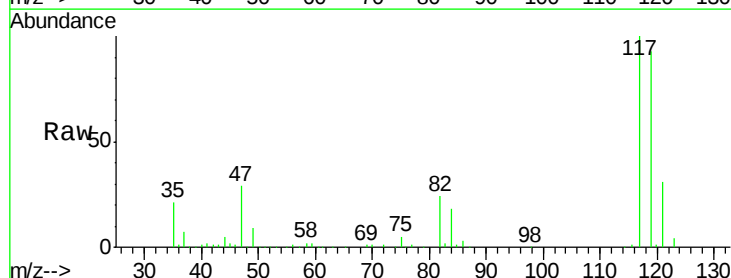
RT: 3.97 min Scan# 339

Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Tgt Ion:	117	Resp:	159305
Ion	Ratio	Lower	Upper
117	100		
119	92.8	79.0	118.6
121	31.2	27.0	40.6





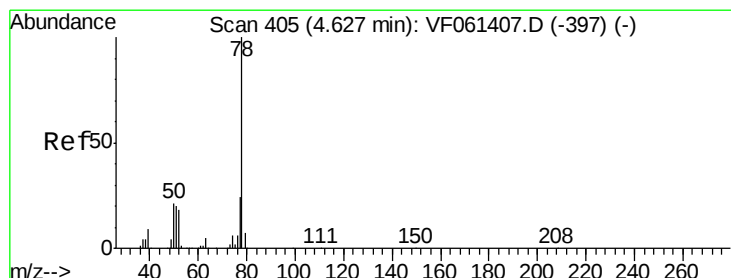
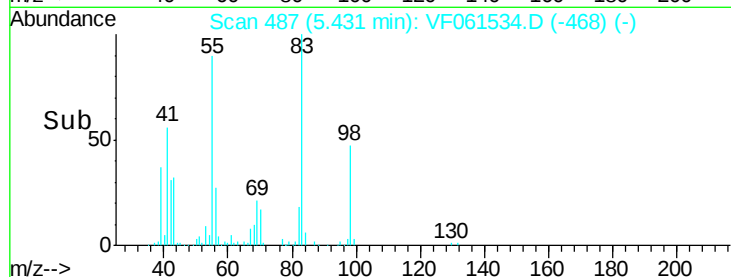
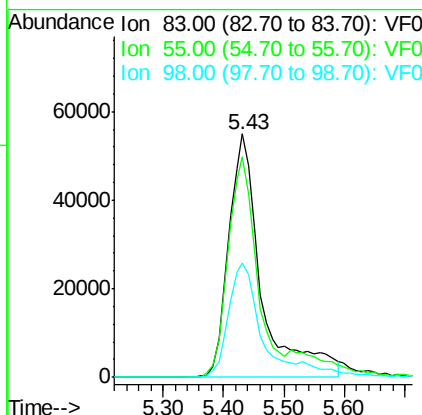
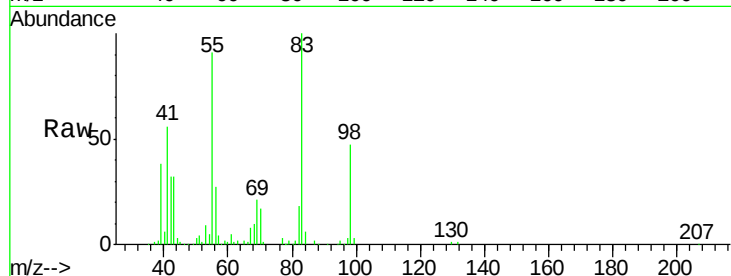
#39
Methvlcvclohexane
Concen: 46.148 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.01 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.6	67.4	101.2
98	47.1	36.7	55.1

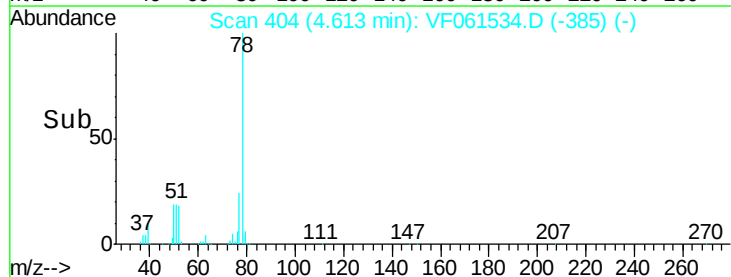
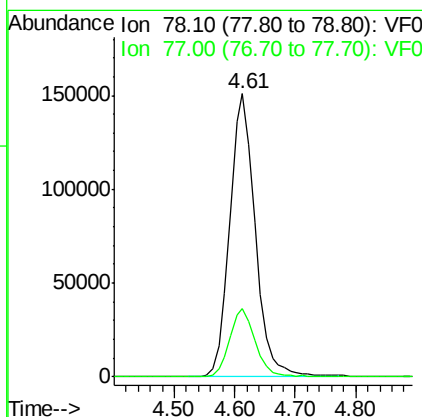
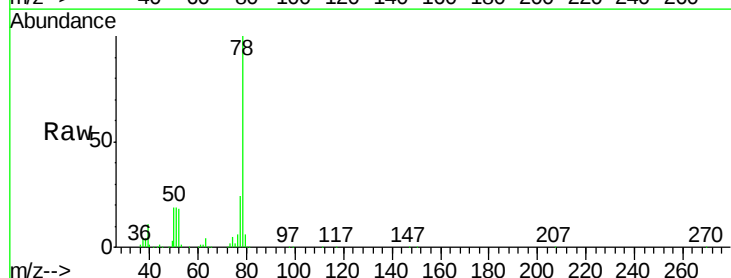
Manual Integrations
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#40
Benzene
Concen: 47.570 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.01 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.6





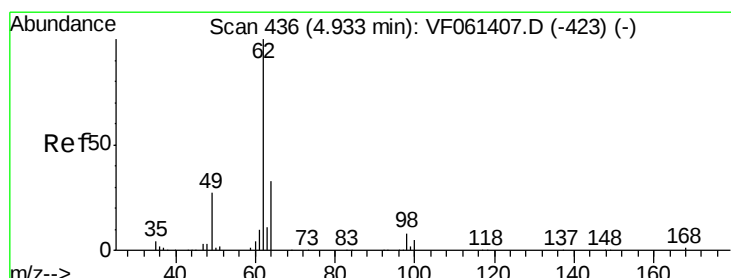
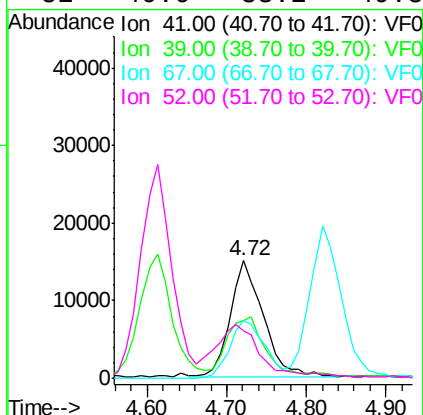
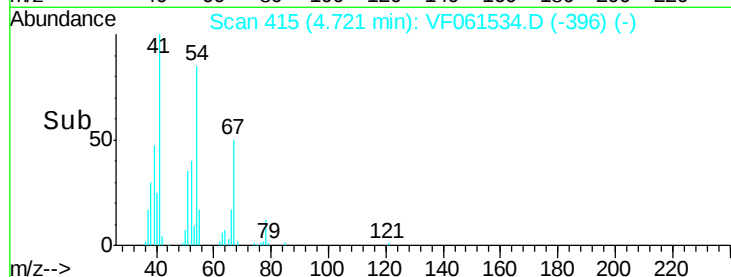
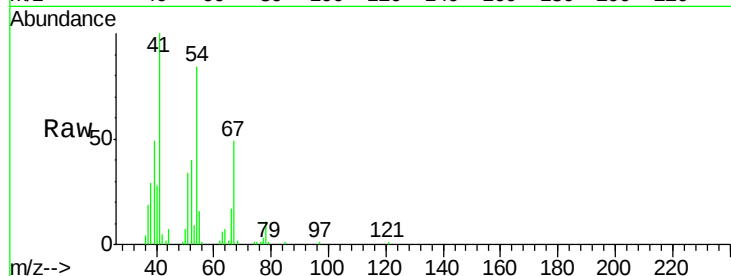
#41
Methacrylonitrile
Concen: 48.742 ug/l
RT: 4.72 min Scan# 415
Delta R.T. -0.01 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	41	100			
39	39	48.8	43.1	64.7	
67	67	48.8	38.8	58.2	
52	52	40.0	33.2	49.8	

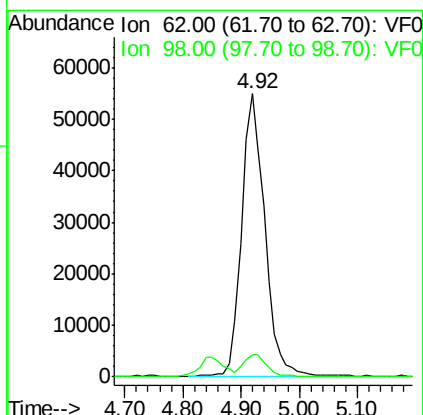
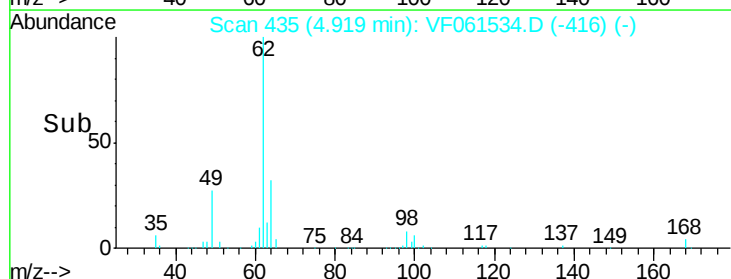
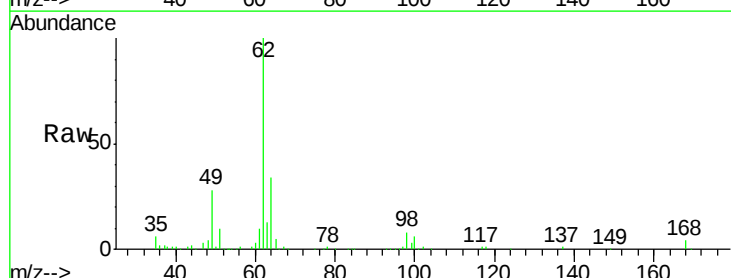
Manual Integrations
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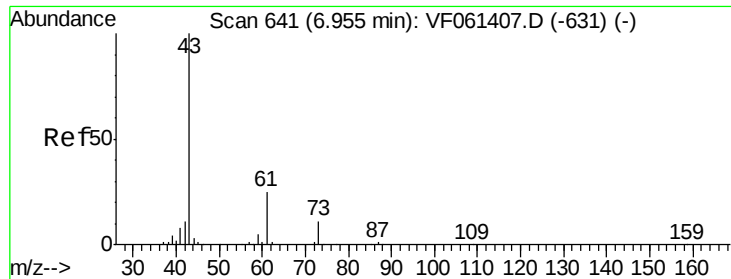
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#42
1,2-Dichloroethane
Concen: 46.557 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.01 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	62	100			
98	98	7.8	0.0	17.0	





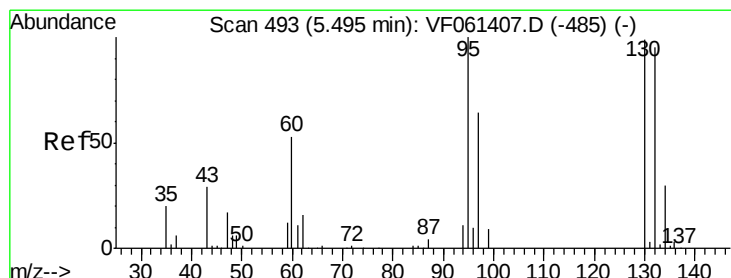
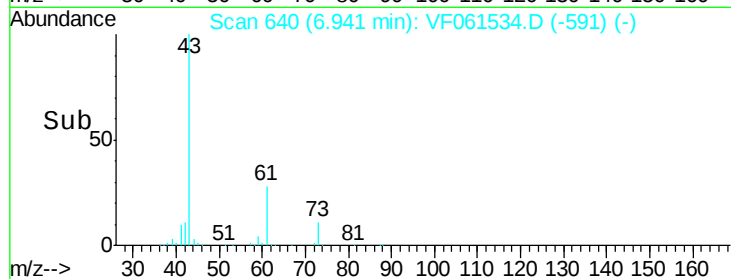
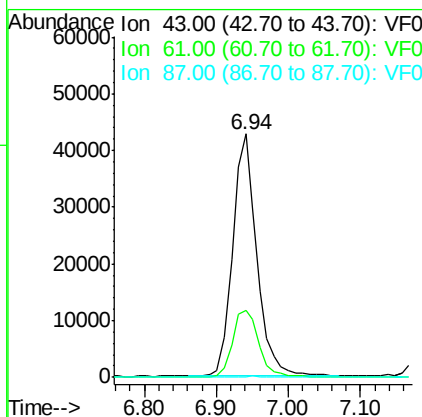
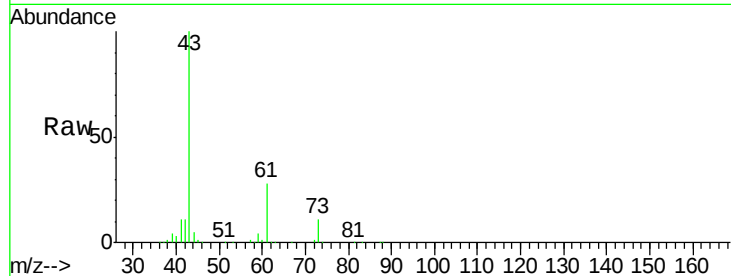
#43
Isopropyl Acetate
Concen: 47.080 ug/l
RT: 6.94 min Scan# 640
Delta R.T. -0.01 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.7	20.3	30.5
87	0.3	0.5	0.7#

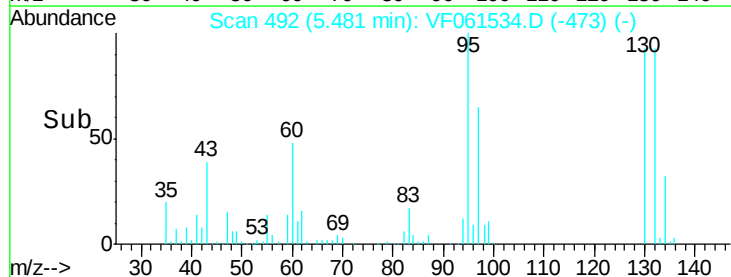
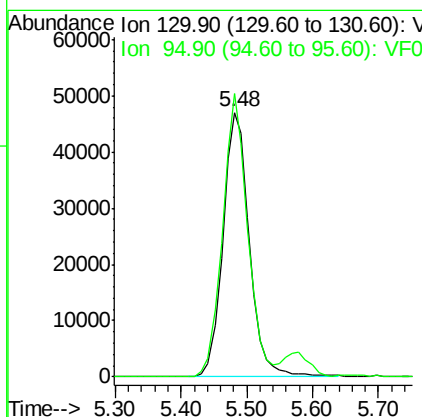
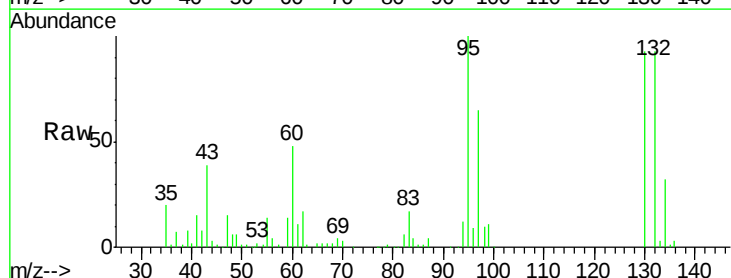
Manual Integrations
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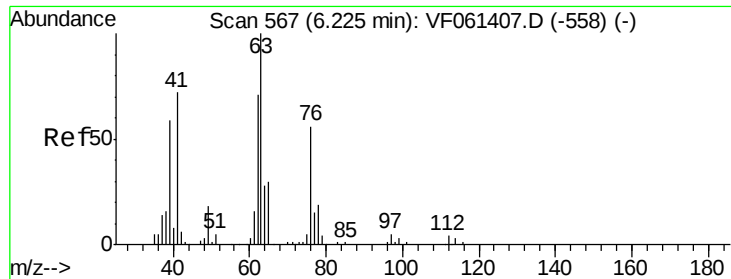
MMDadoda
1/29/2019 12:18:47 PM



#44
Trichloroethene
Concen: 45.971 ug/l
RT: 5.48 min Scan# 492
Delta R.T. -0.01 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.1	0.0	202.8





#45

1,2-Dichloropropane

Concen: 48.700 ug/l

RT: 6.21 min Scan# 566

Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 118906

Ion Ratio Lower Upper

63 100

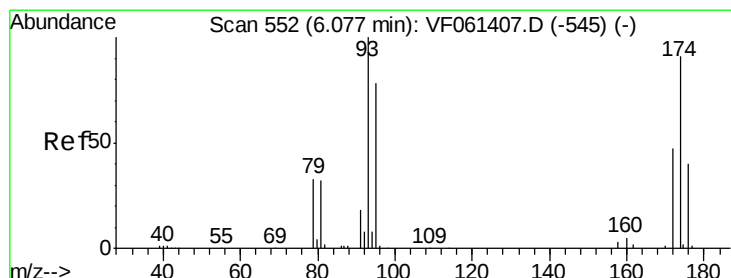
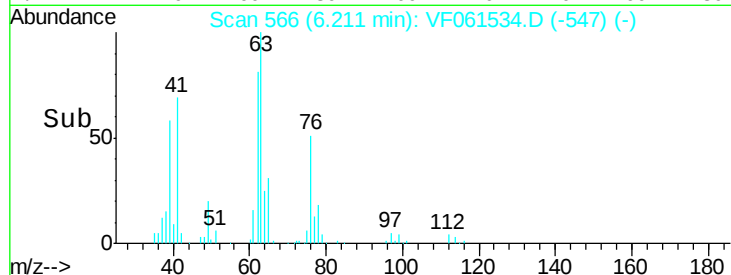
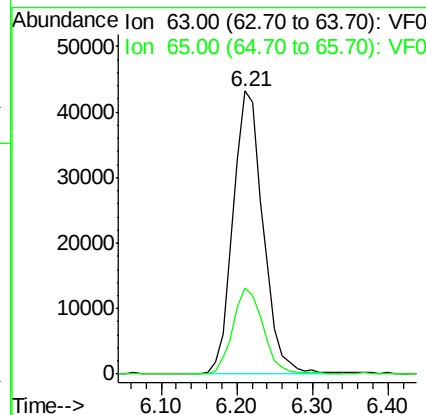
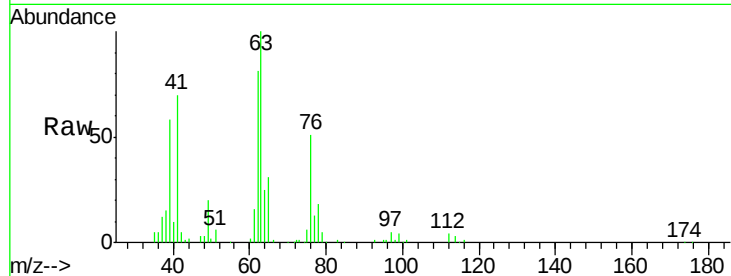
65 30.6 24.4 36.6

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#46

Dibromomethane

Concen: 47.098 ug/l

RT: 6.06 min Scan# 551

Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

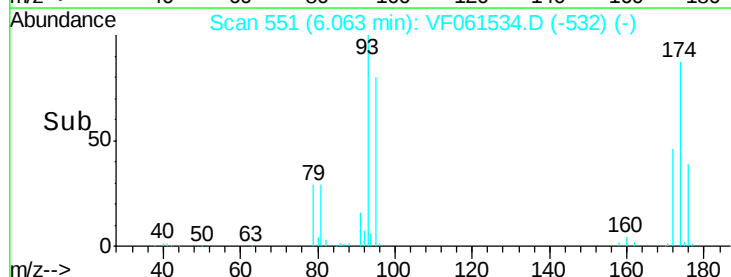
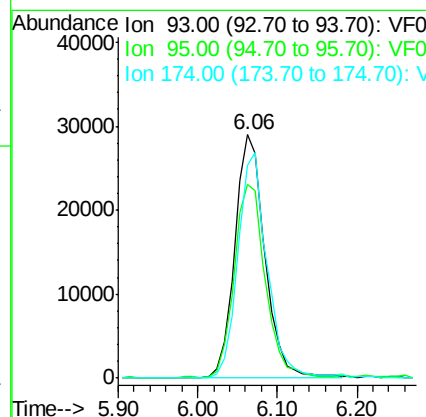
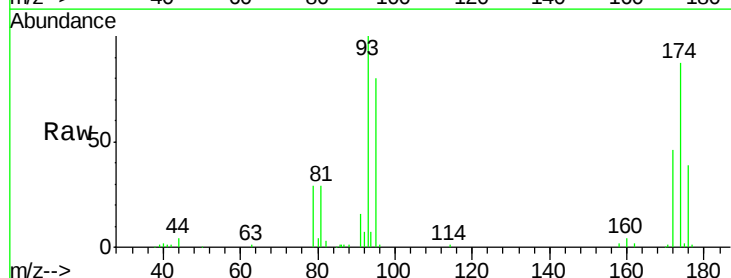
Tgt Ion: 93 Resp: 76464

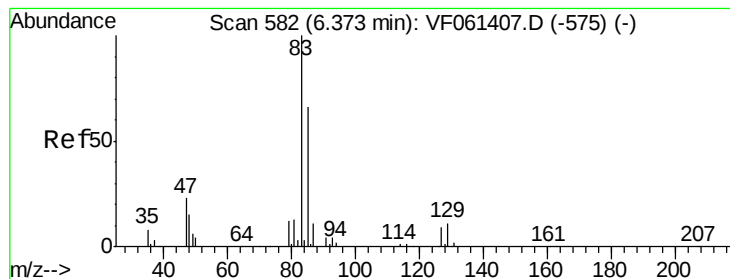
Ion Ratio Lower Upper

93 100

95 79.5 62.1 93.1

174 87.3 74.6 111.8





#47

Bromodichloromethane

Concen: 48.346 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

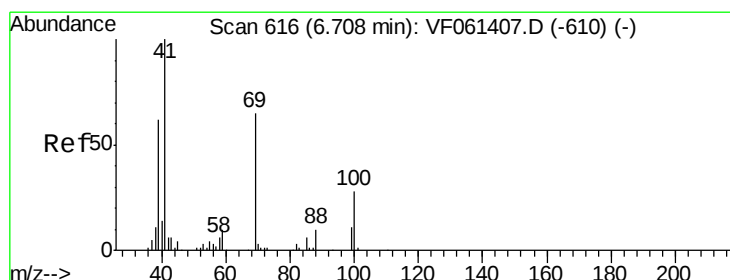
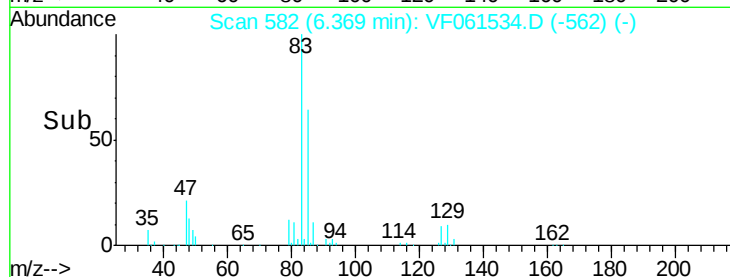
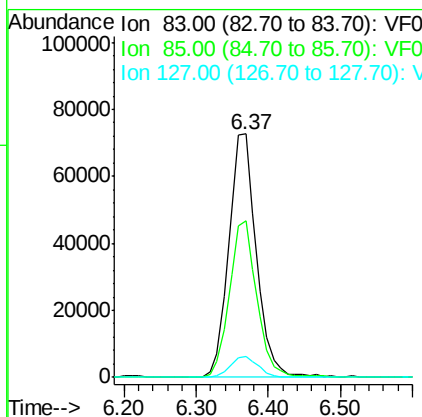
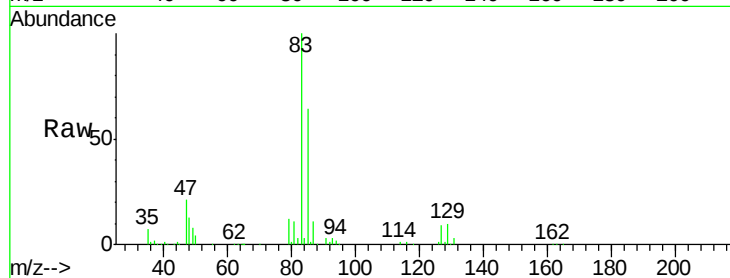
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	194203
Ion Ratio	Lower	Upper	
83	100		
85	64.3	53.0	79.4
127	8.6	6.9	10.3

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#48

Methyl methacrylate

Concen: 44.855 ug/l

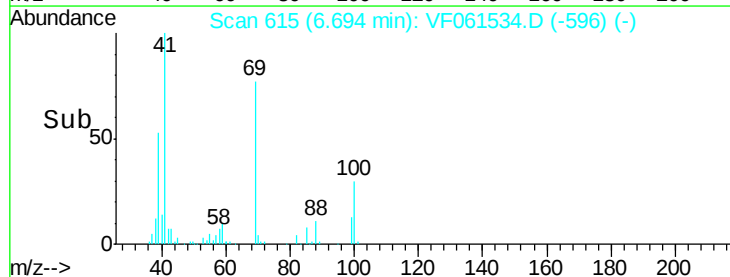
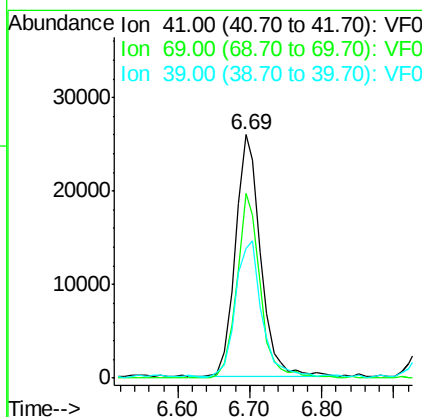
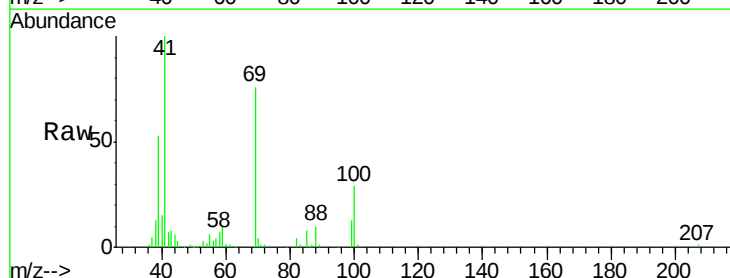
RT: 6.69 min Scan# 615

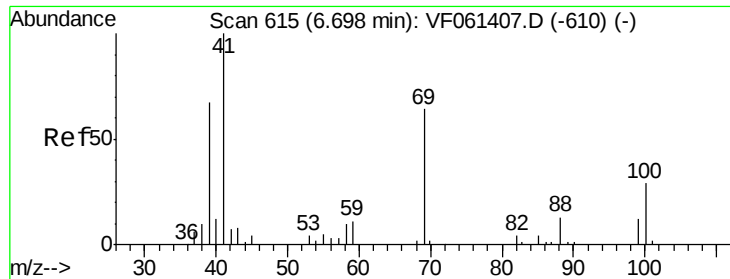
Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Tgt Ion:	41	Resp:	63177
Ion Ratio	Lower	Upper	
41	100		
69	76.1	51.7	77.5
39	53.4	49.2	73.8





#49

1,4-Dioxane

Concen: 935.988 ug/l

RT: 6.68 min Scan# 614

Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

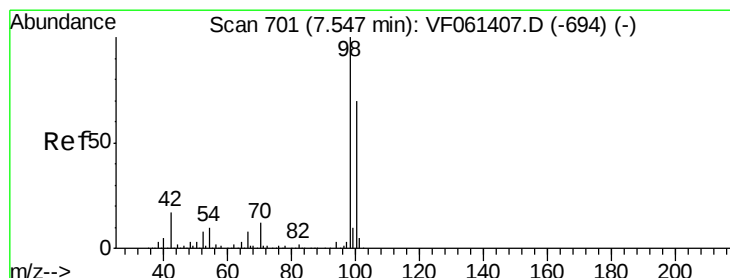
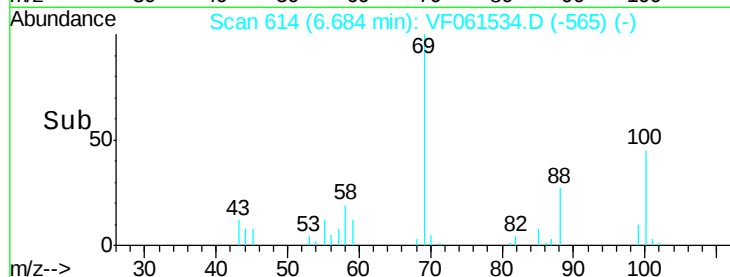
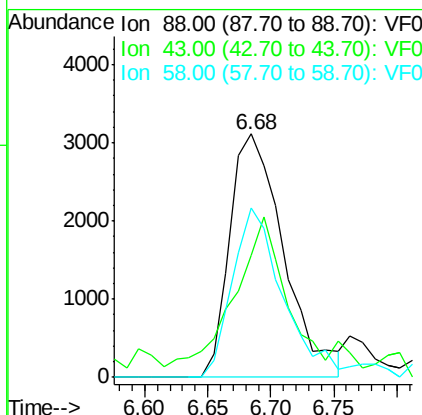
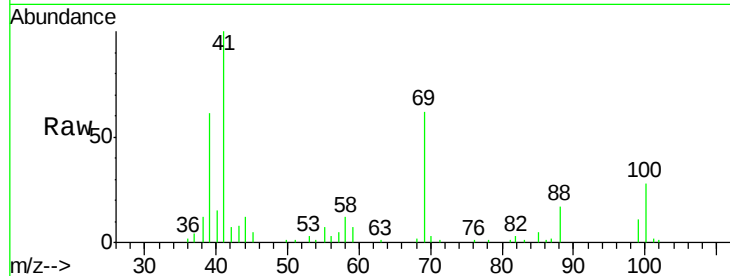
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	50.4	55.5	83.3#
58	69.4	59.9	89.9

Manual Integrations
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#50

Toluene-d8

Concen: 46.141 ug/l

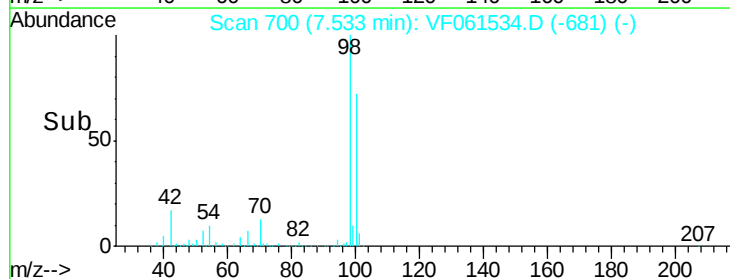
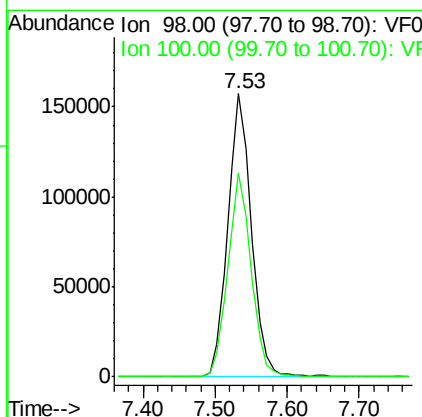
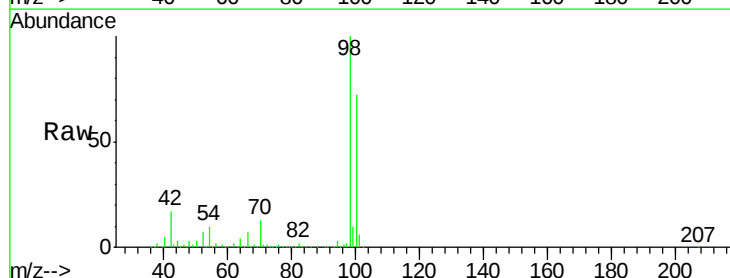
RT: 7.53 min Scan# 700

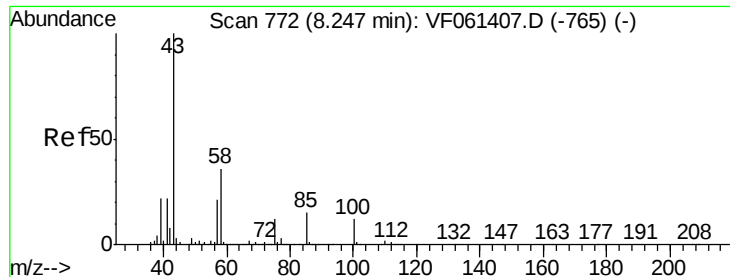
Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	72.0	55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 235.450 ug/l

RT: 8.23 min Scan# 771

Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Tot Ion: 43 Resp: 363060

Ion Ratio Lower Upper

43 100

58 37.5 28.8 43.2

Instrument :

MSVOA_F

ClientSampleId :

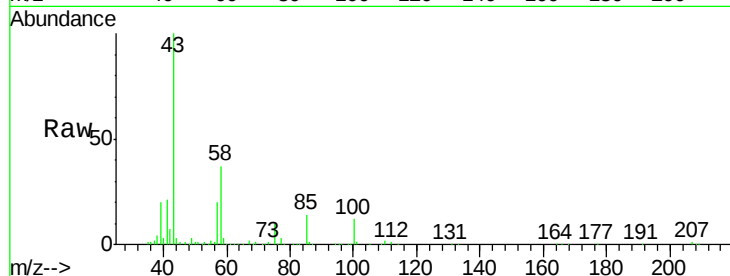
VSTDCCC050

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

150000

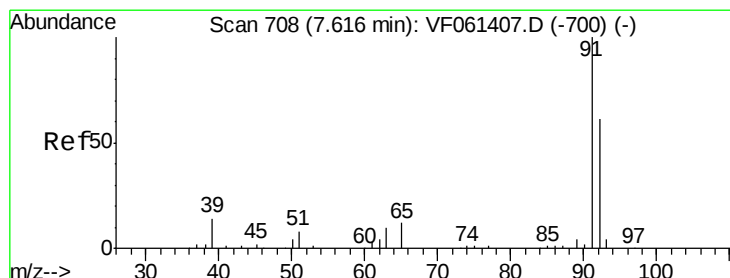
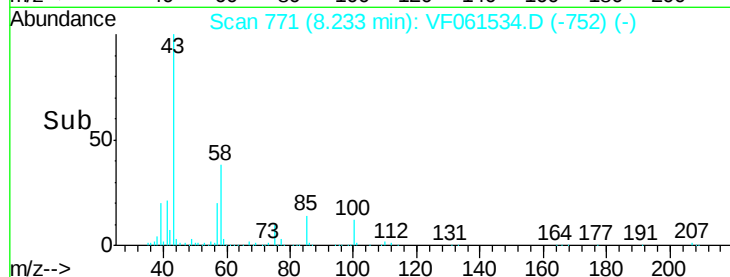
100000

50000

0

8.10 8.20 8.30 8.40

Time-->



#52

Toluene

Concen: 47.577 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.01 min

Lab File: VF061534.D

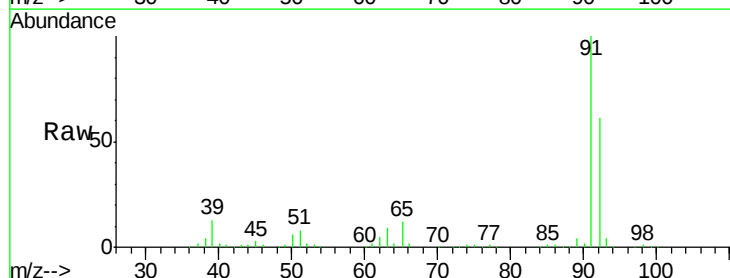
Acq: 28 Jan 2019 11:24

Tgt Ion: 92 Resp: 291473

Ion Ratio Lower Upper

92 100

91 164.3 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

200000

150000

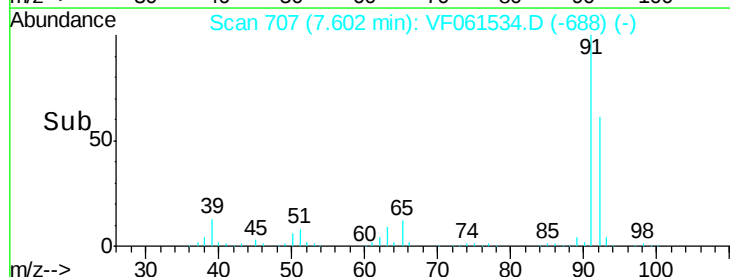
100000

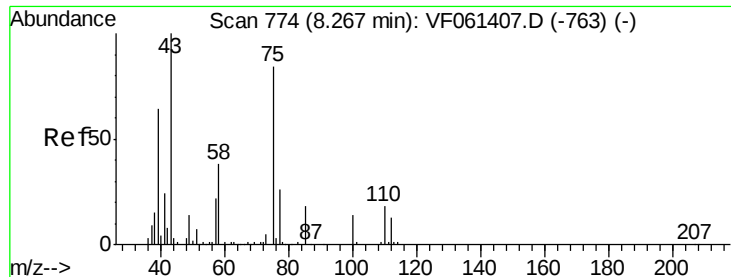
50000

0

7.50 7.60 7.70 7.80

Time-->





#53

t-1,3-Dichloropropene

Concen: 47.663 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.00 min

Lab File: VF061534.D

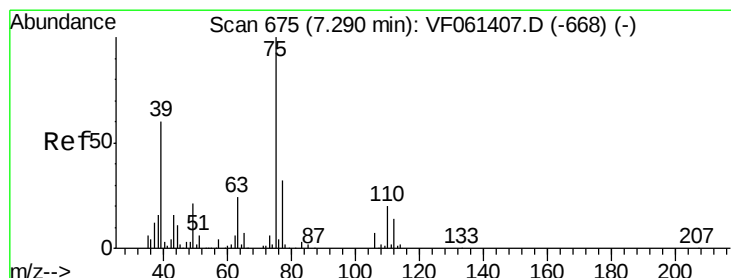
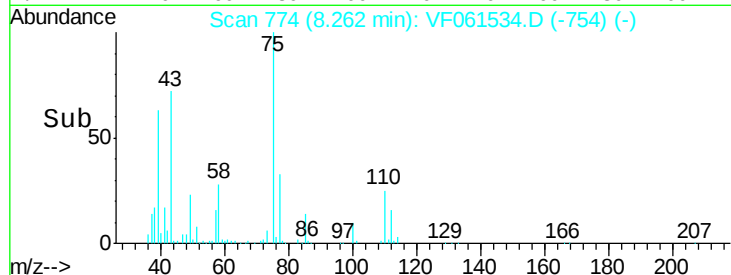
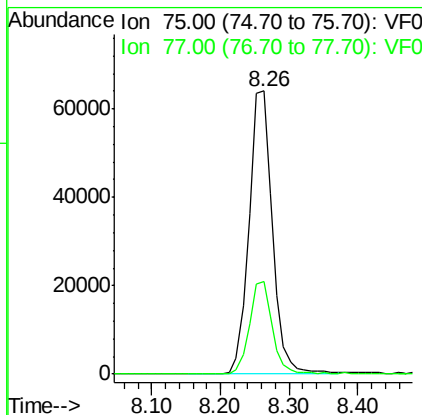
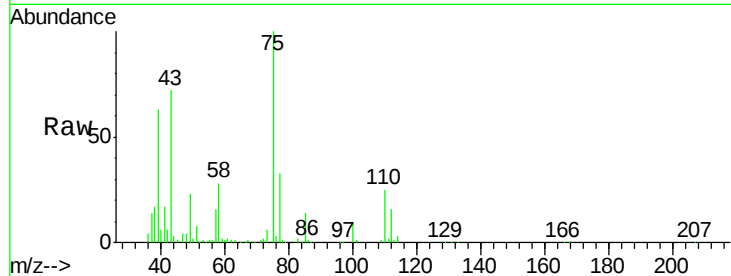
Acq: 28 Jan 2019 11:24

Tot Ion:	75	Resp:	152030
Ion Ratio	Lower	Upper	
75	100		
77	32.6	24.4	36.6

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

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#54

cis-1,3-Dichloropropene

Concen: 46.985 ug/l

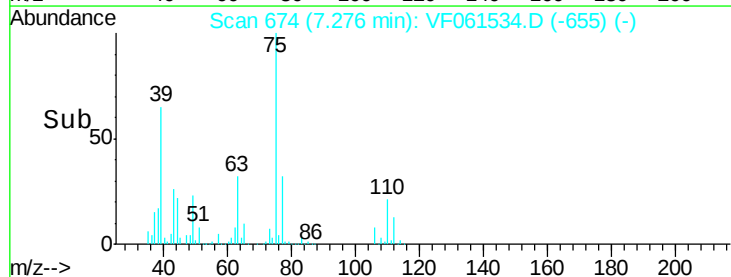
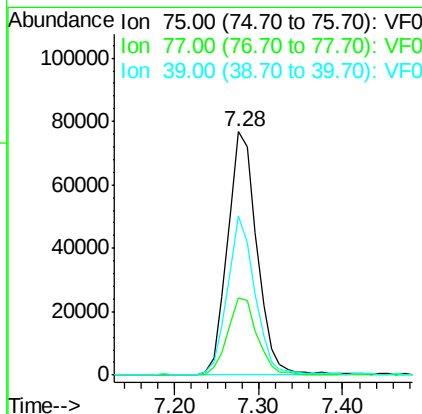
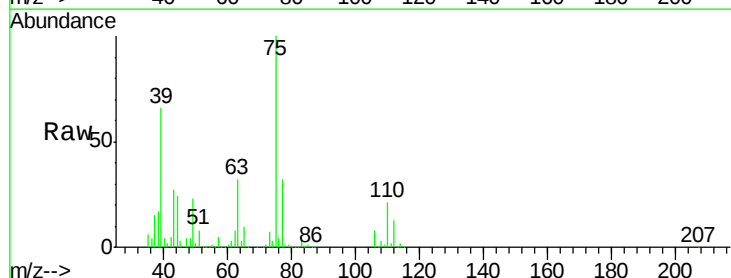
RT: 7.28 min Scan# 674

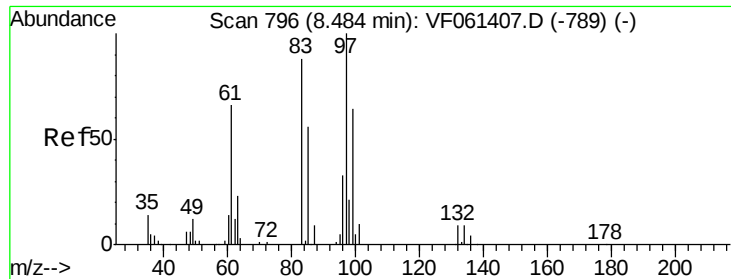
Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Tgt Ion:	75	Resp:	187329
Ion Ratio	Lower	Upper	
75	100		
77	31.8	25.4	38.0
39	65.6	47.8	71.8





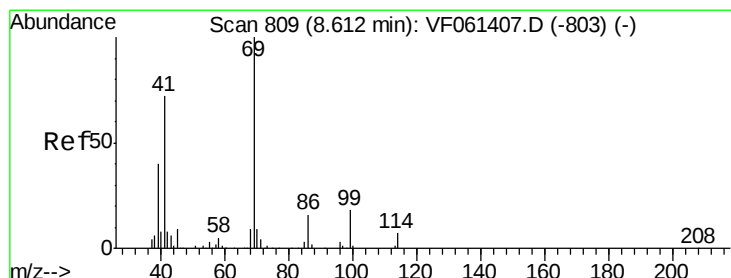
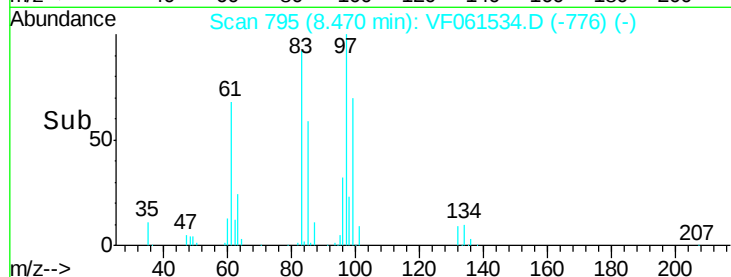
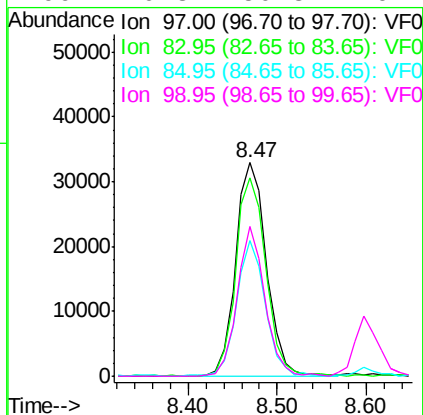
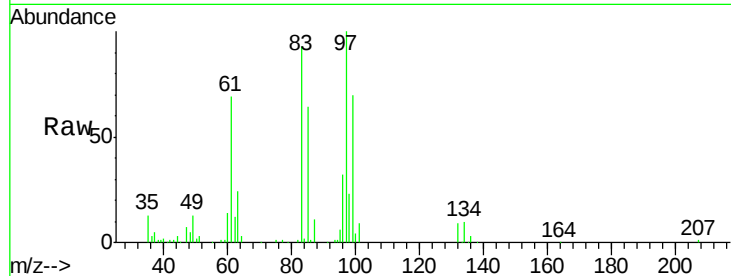
#55
 1,1,2-Trichloroethane
 Concen: 45.345 ug/l
 RT: 8.47 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: VF061534.D
 Acq: 28 Jan 2019 11:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	78887
Ion	Ratio	Lower	Upper
97	100		
83	93.1	70.4	105.6
85	63.8	44.7	67.1
99	70.3	50.8	76.2

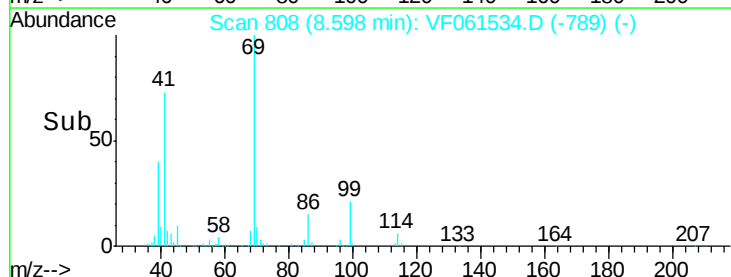
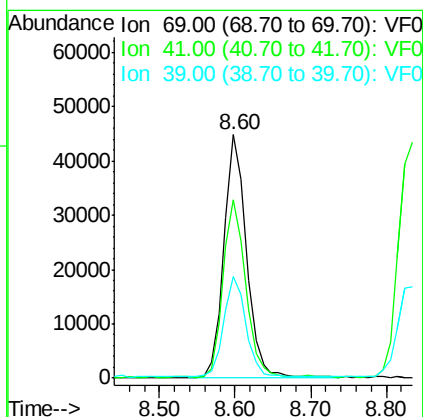
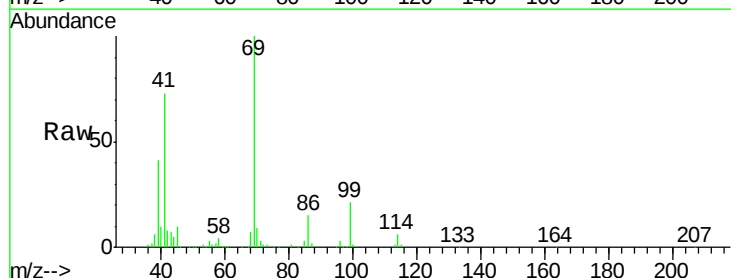
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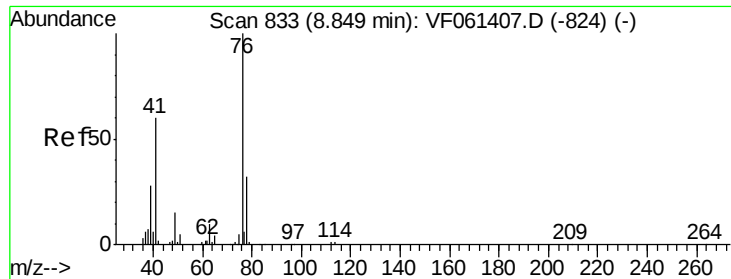
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#56
 Ethyl methacrylate
 Concen: 46.069 ug/l
 RT: 8.60 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: VF061534.D
 Acq: 28 Jan 2019 11:24

Tgt Ion:	69	Resp:	93245
Ion	Ratio	Lower	Upper
69	100		
41	73.4	57.5	86.3
39	41.5	32.0	48.0





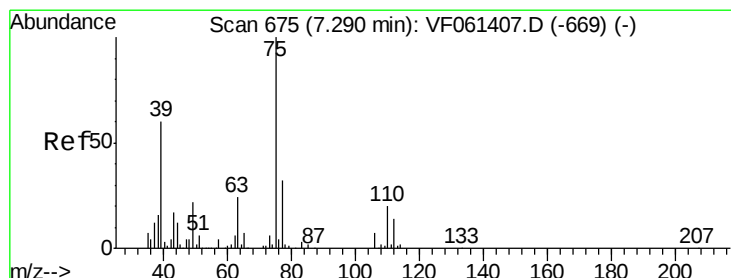
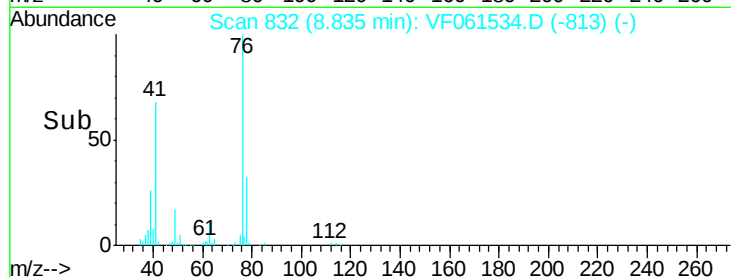
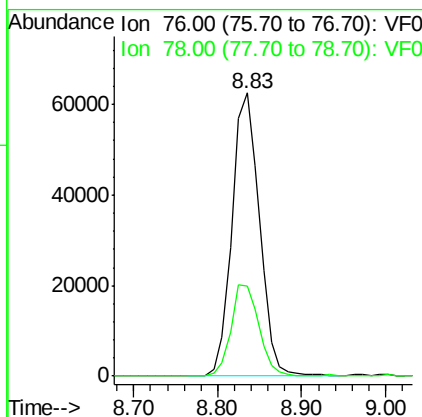
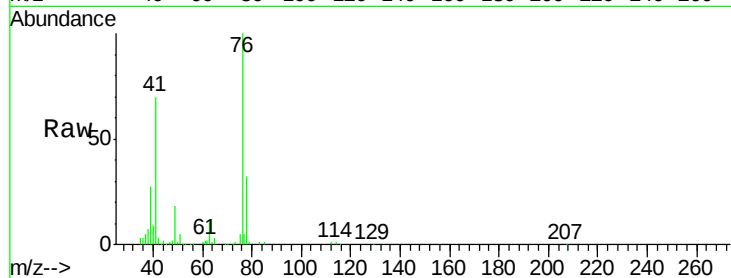
#57
 1,3-Dichloropropane
 Concen: 43.671 ug/l
 RT: 8.83 min Scan# 832
 Delta R.T. -0.01 min
 Lab File: VF061534.D
 Acq: 28 Jan 2019 11:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 142405
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.3 37.9

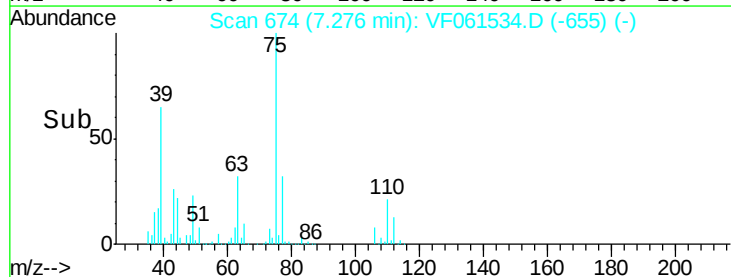
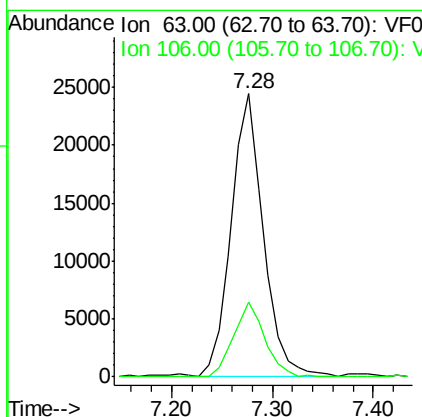
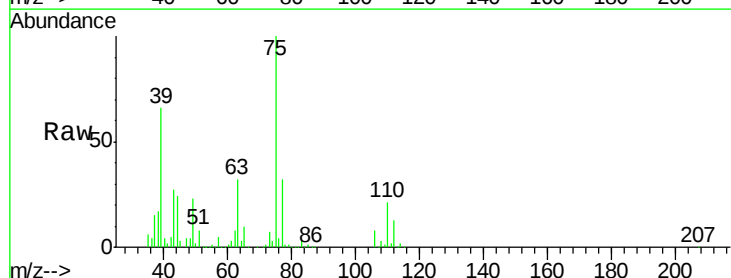
Manual Integrations
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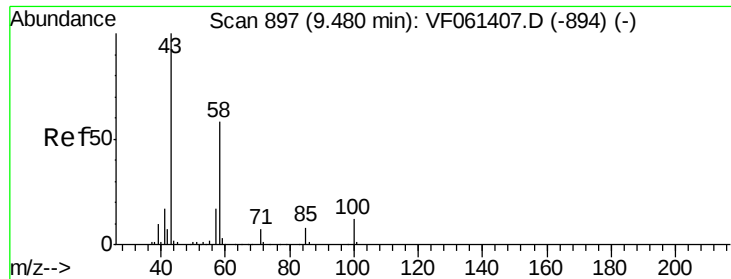
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#58
 2-Chloroethyl Vinyl ether
 Concen: 255.261 ug/l
 RT: 7.28 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: VF061534.D
 Acq: 28 Jan 2019 11:24

Tgt Ion: 63 Resp: 54316
 Ion Ratio Lower Upper
 63 100
 106 26.4 21.9 32.9





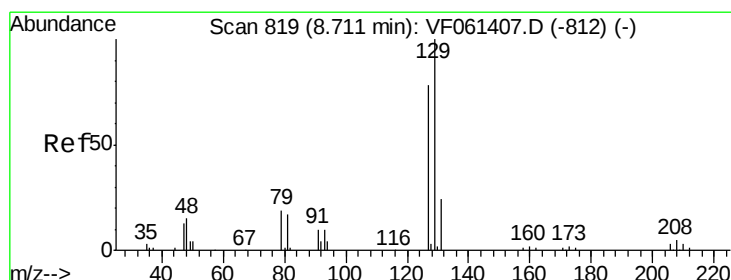
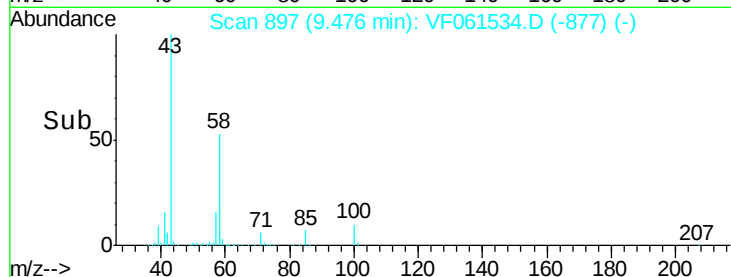
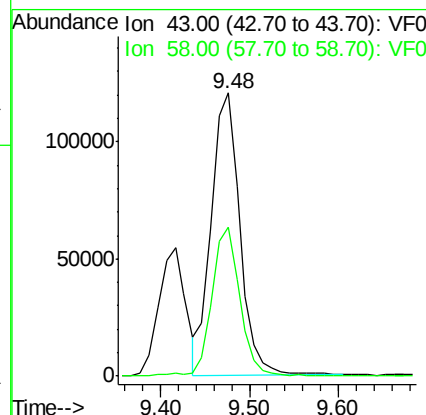
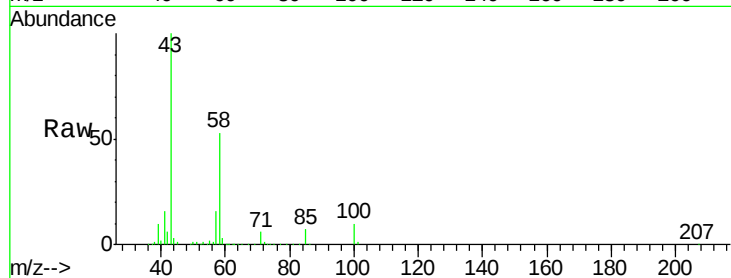
#59
2-Hexanone
Concen: 249.655 ug/l
RT: 9.48 min Scan# 897
Delta R.T. -0.00 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 268443
Ion Ratio Lower Upper
43 100
58 52.9 25.9 77.6

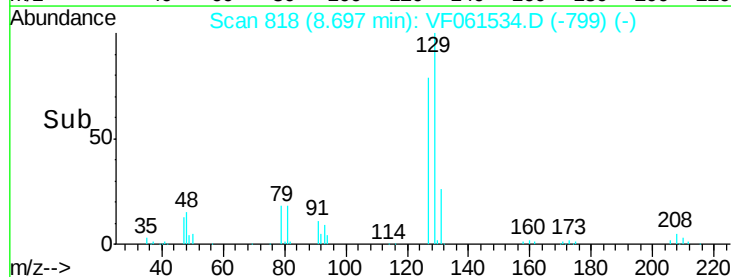
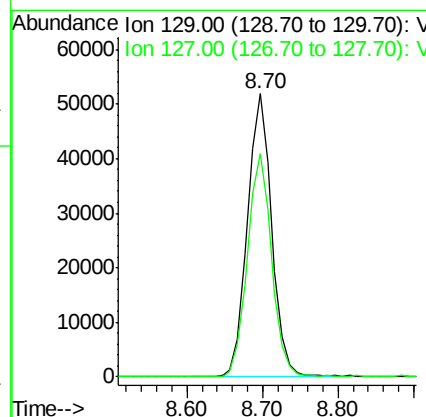
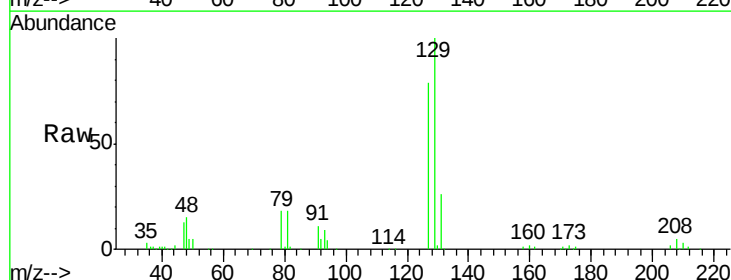
Manual Integrations
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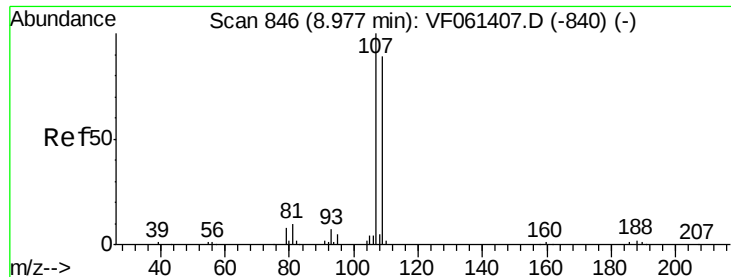
MMDadoda
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#60
Dibromochloromethane
Concen: 45.433 ug/l
RT: 8.70 min Scan# 818
Delta R.T. -0.01 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

Tgt Ion: 129 Resp: 115553
Ion Ratio Lower Upper
129 100
127 78.8 39.1 117.2





#61

1,2-Dibromoethane

Concen: 42.401 ug/l

RT: 8.96 min Scan# 845

Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 84446

Ion Ratio Lower Upper

107 100

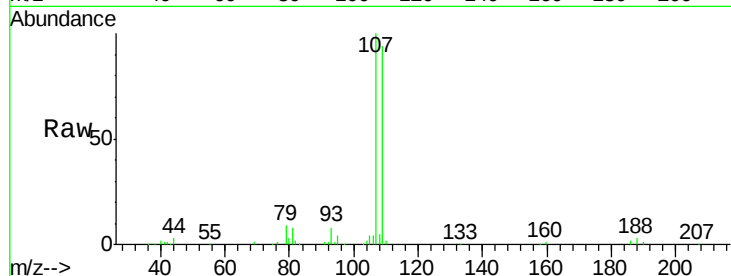
109 93.7 70.8 106.2

Manual Integrations

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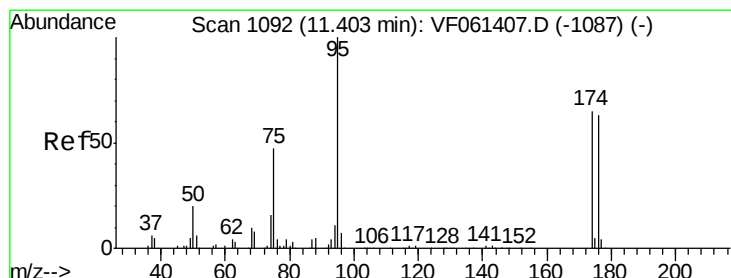
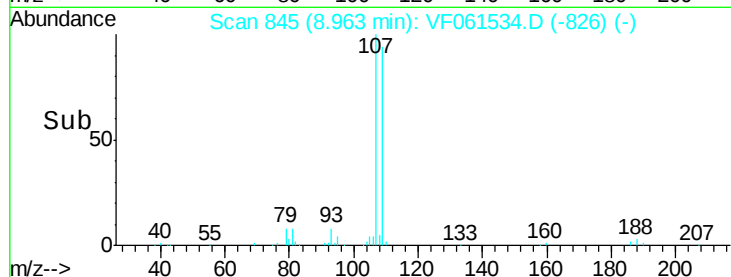
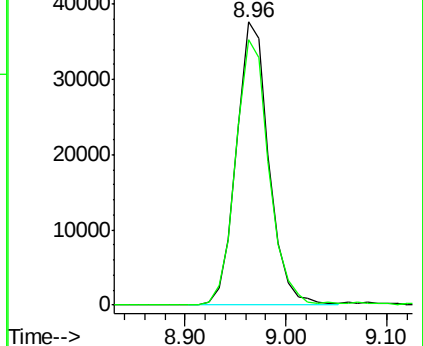
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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 39.503 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

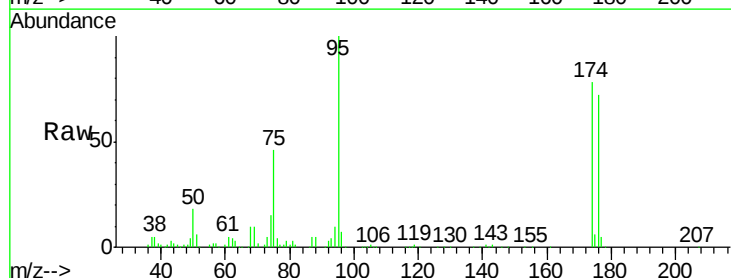
Tgt Ion: 95 Resp: 143884

Ion Ratio Lower Upper

95 100

174 77.5 0.0 130.4

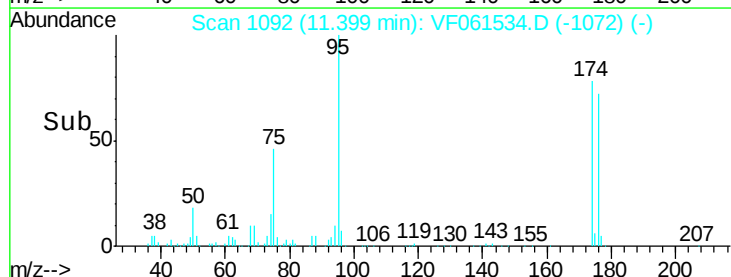
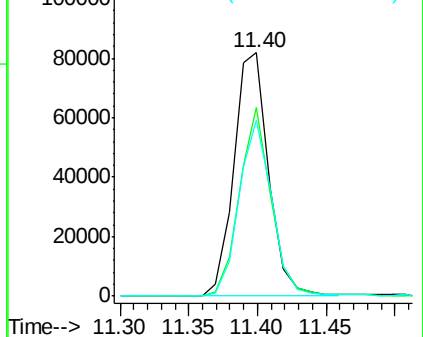
176 72.2 0.0 126.2



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





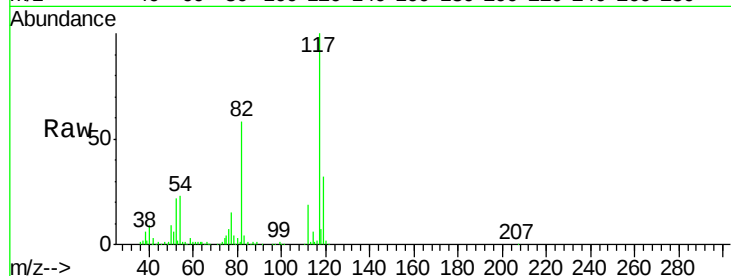
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.01 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.9	46.4	69.6
119	32.4	27.2	40.8

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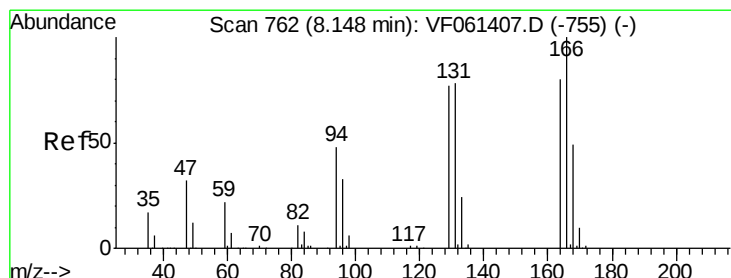
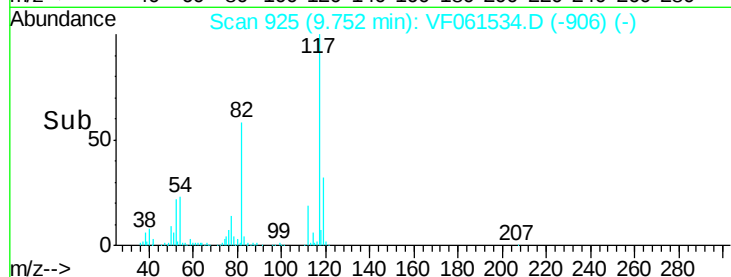
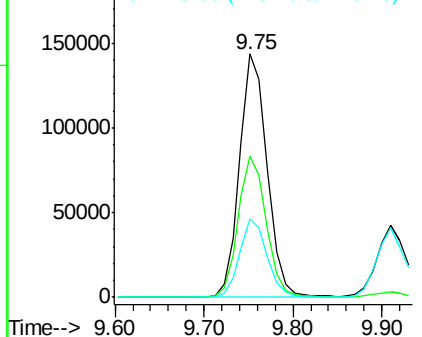


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 49.842 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.01 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	99.6	149.4
129	95.6	76.4	114.6
131	95.2	77.9	116.9

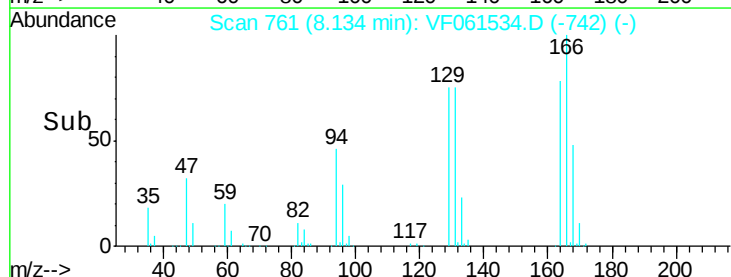
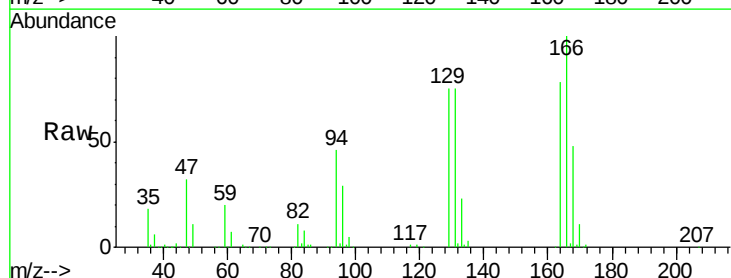
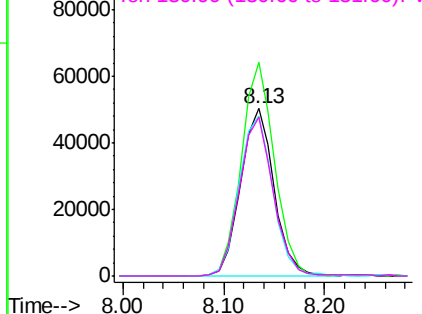
Abundance

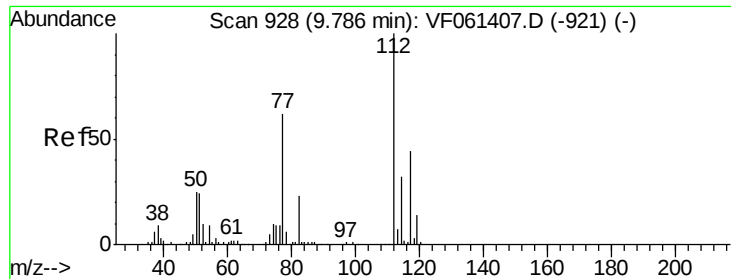
Ion 163.85 (163.55 to 164.55): V

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





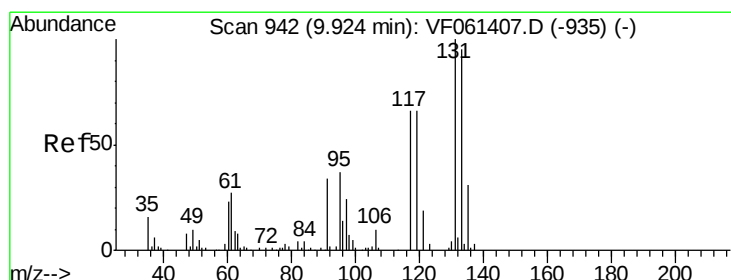
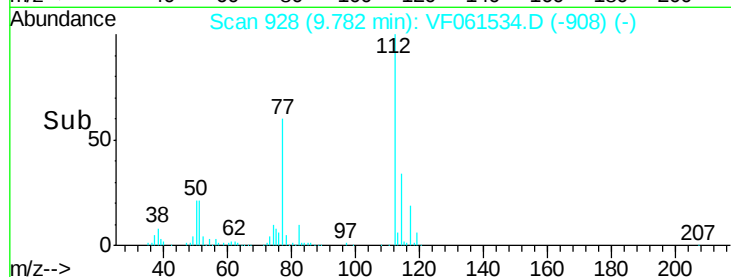
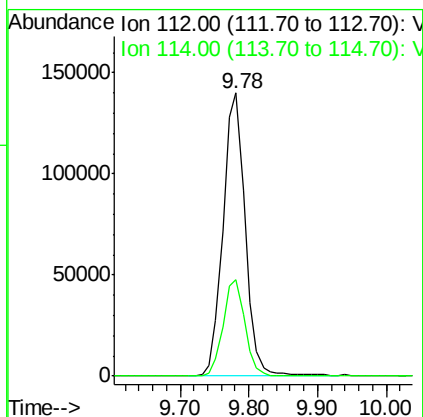
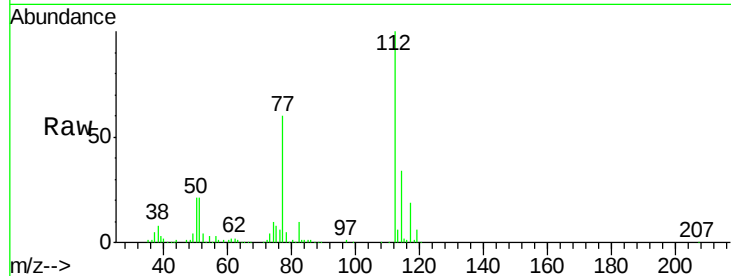
#65
Chlorobenzene
Concen: 49.799 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.00 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.9	25.4	38.0

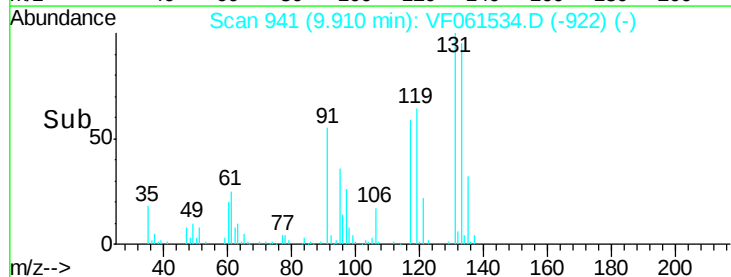
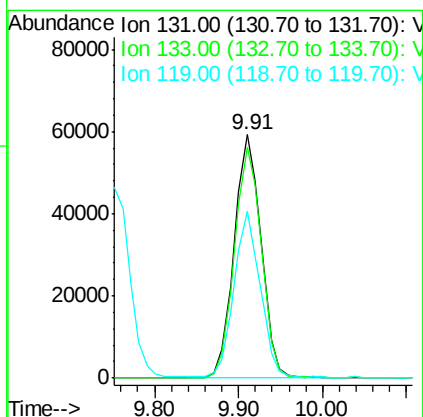
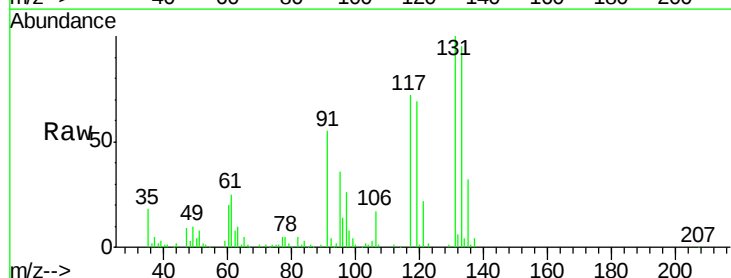
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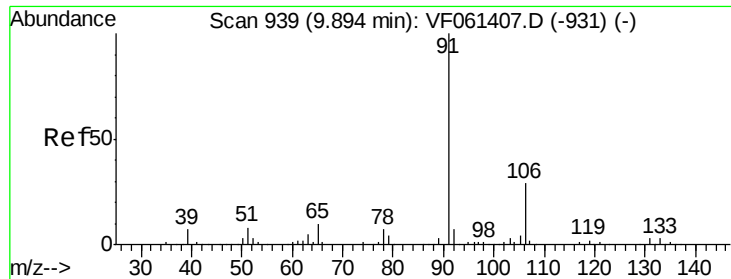
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.801 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.4	142.2
119	68.6	33.1	99.3





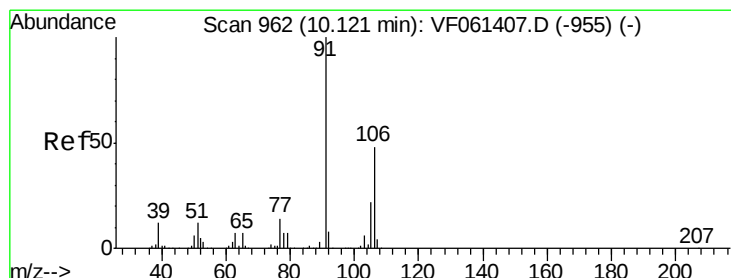
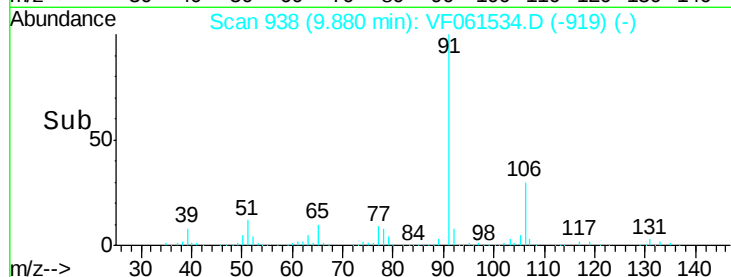
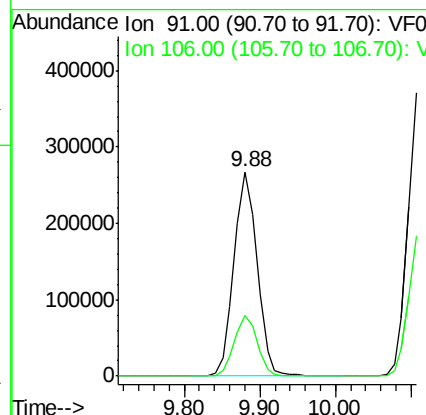
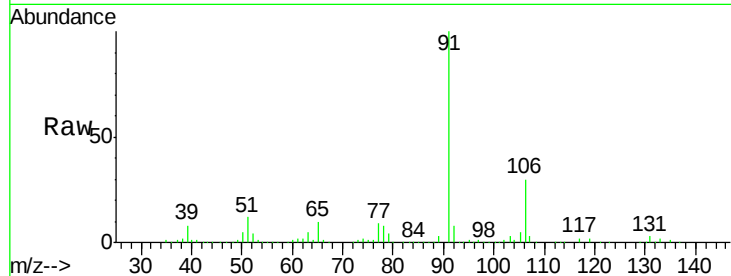
#67
Ethyl Benzene
Concen: 49.529 ug/l
RT: 9.88 min Scan# 938
Delta R.T. -0.01 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 568719
Ion Ratio Lower Upper
91 100
106 29.7 23.1 34.7

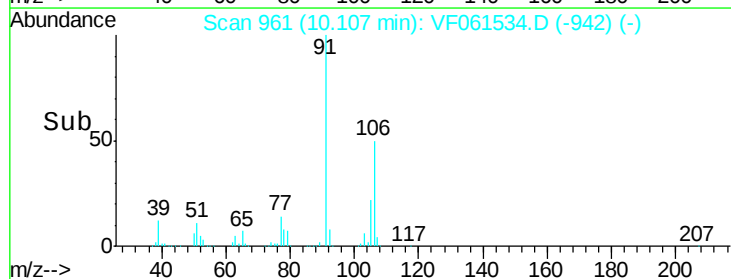
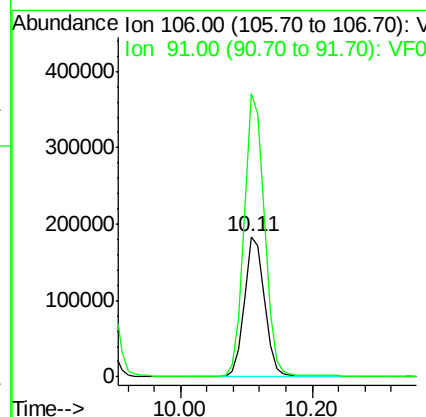
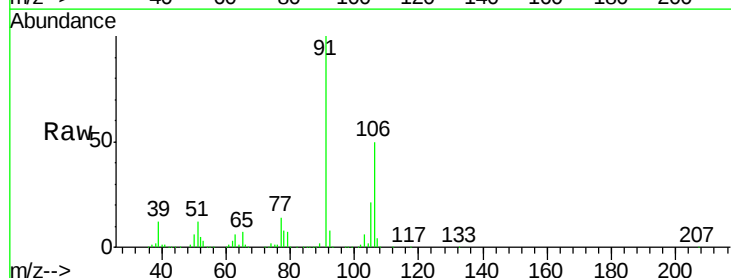
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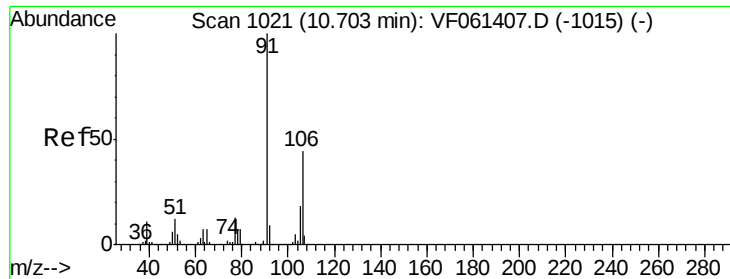
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#68
m/p-Xylenes
Concen: 96.416 ug/l
RT: 10.11 min Scan# 961
Delta R.T. -0.01 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

Tgt Ion: 106 Resp: 398194
Ion Ratio Lower Upper
106 100
91 201.3 166.2 249.4





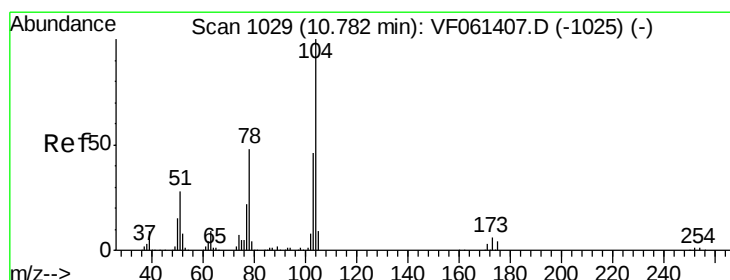
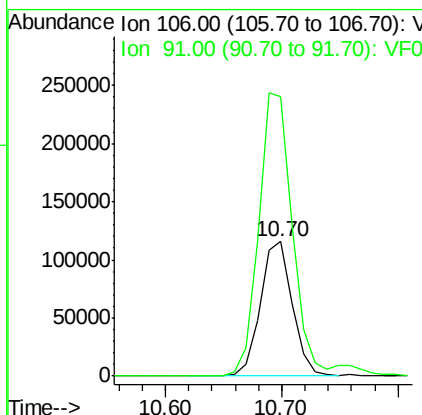
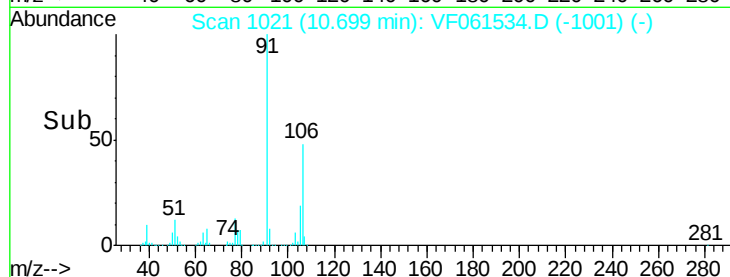
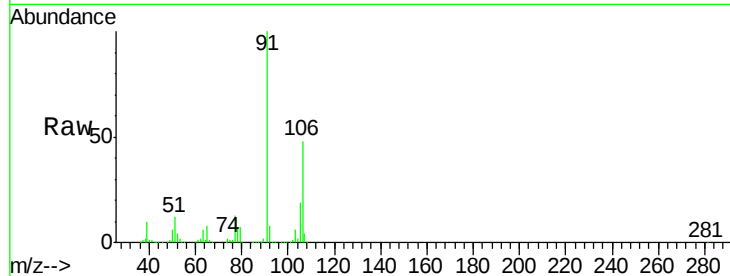
#69
o-Xylene
Concen: 49.178 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 220126
Ion Ratio Lower Upper
106 100
91 207.2 113.3 339.8

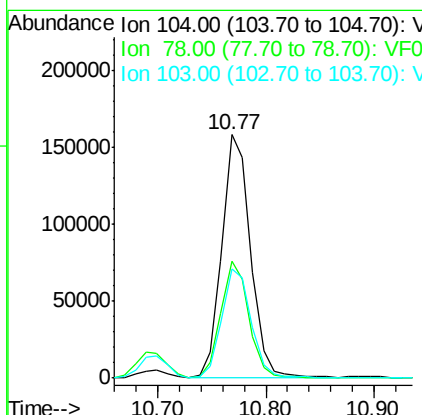
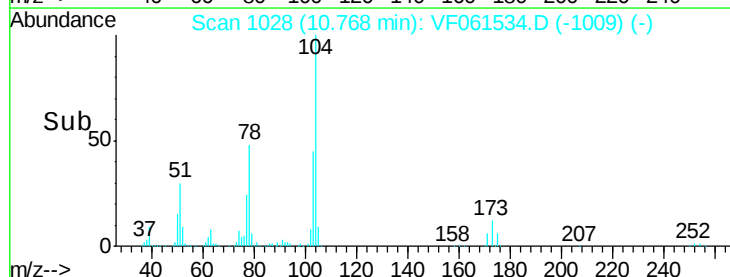
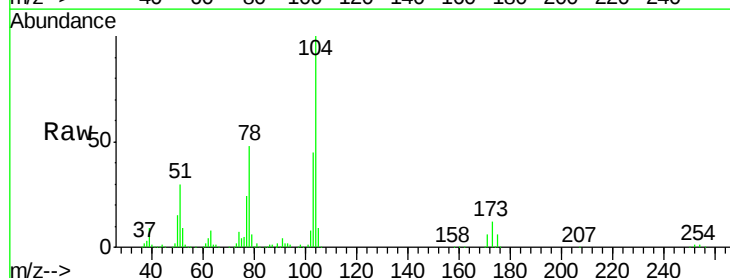
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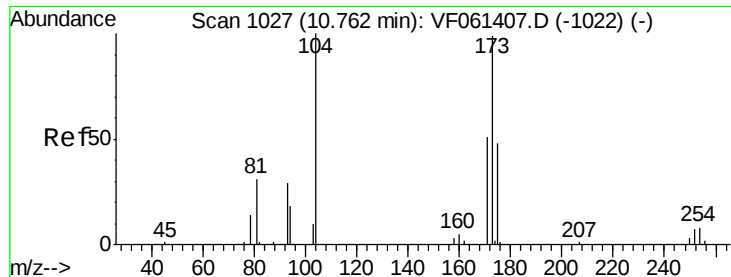
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#70
Styrene
Concen: 47.529 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.01 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

Tgt Ion:104 Resp: 291216
Ion Ratio Lower Upper
104 100
78 48.1 38.8 58.2
103 44.8 37.0 55.6





#71

Bromoform

Concen: 50.071 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 56325

Ion Ratio Lower Upper

173 100

175 48.7 24.1 72.4

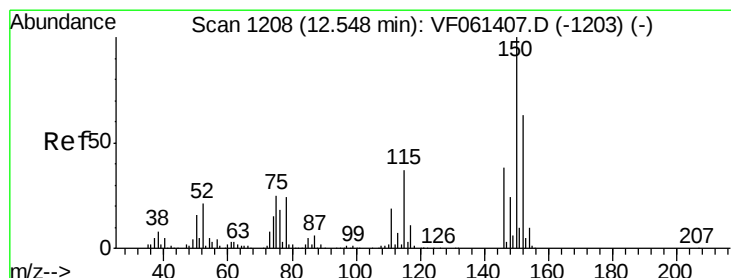
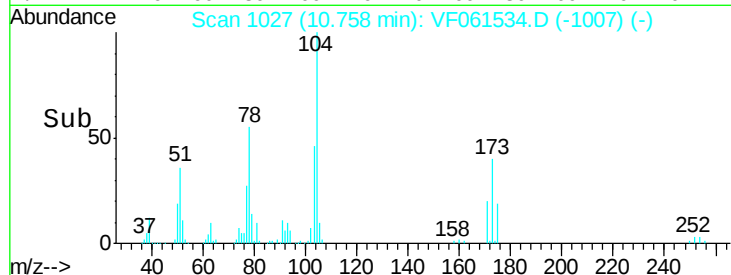
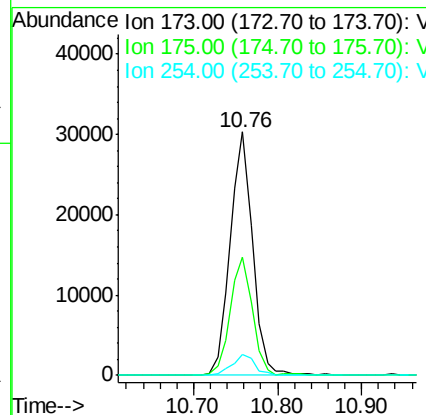
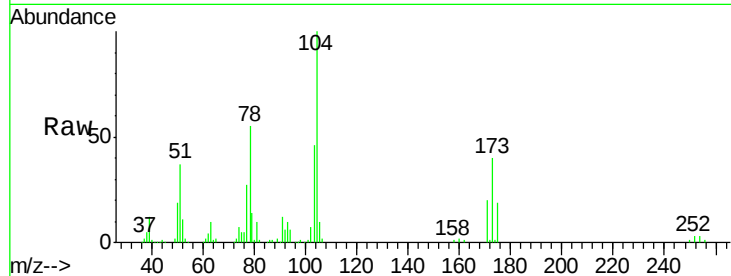
254 8.7 0.0 0.0#

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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: VF061534.D

Acq: 28 Jan 2019 11:24

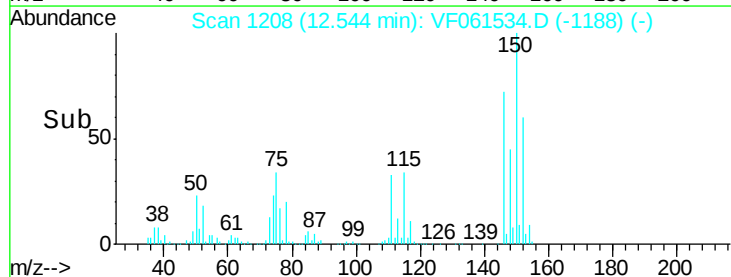
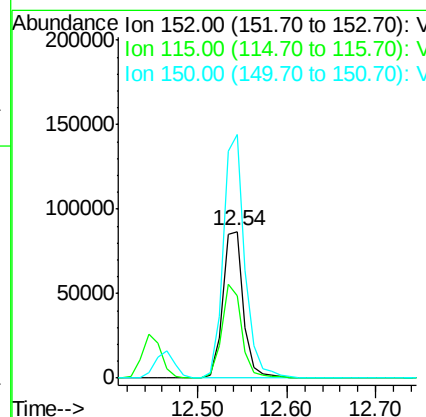
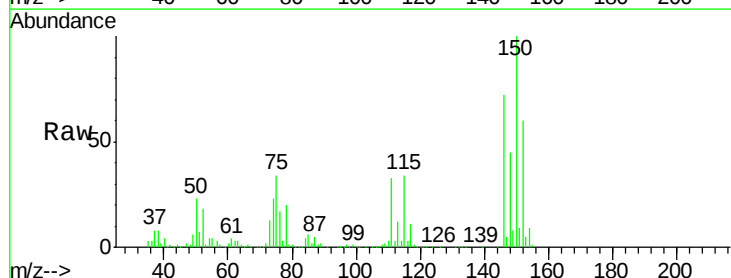
Tgt Ion:152 Resp: 142671

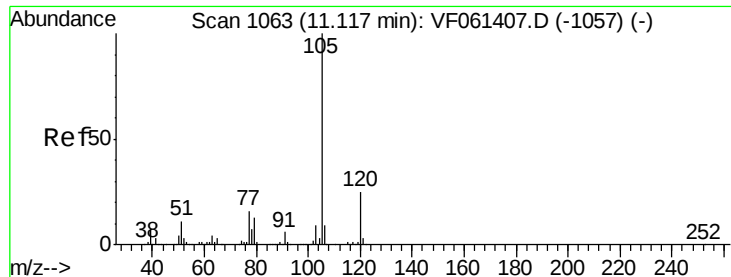
Ion Ratio Lower Upper

152 100

115 56.2 30.0 90.0

150 166.1 0.0 321.4





#73

Isopropylbenzene

Concen: 54.821 ug/l

RT: 11.10 min Scan# 1062

Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 636130

Ion Ratio Lower Upper

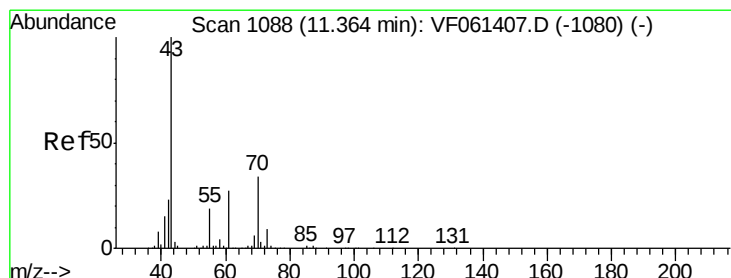
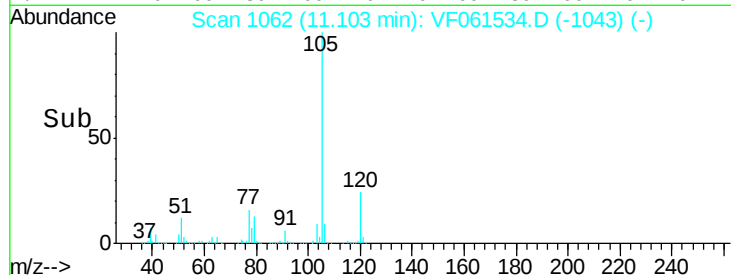
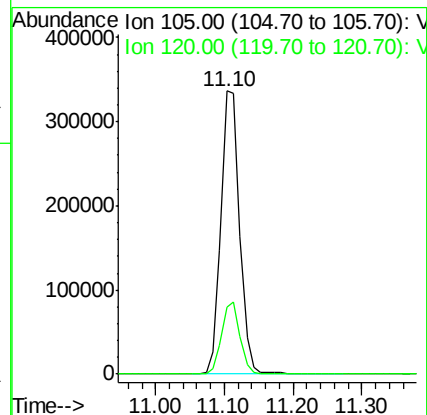
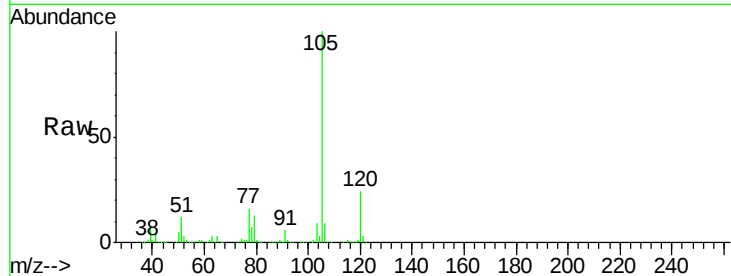
105 100

120 23.8 12.6 37.8

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#74

N-ethyl acetate

Concen: 55.279 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Tgt Ion: 43 Resp: 151676

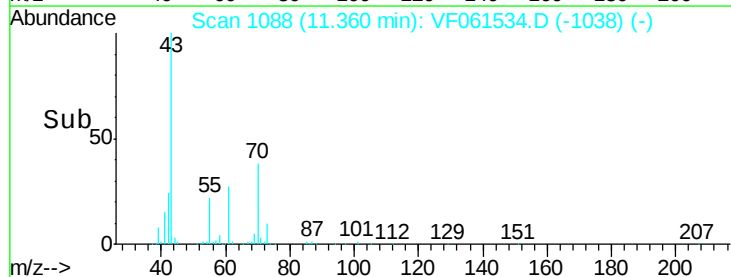
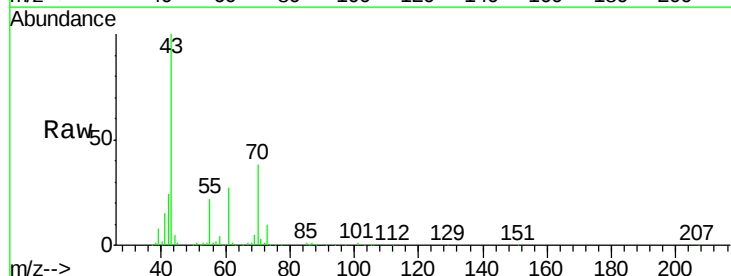
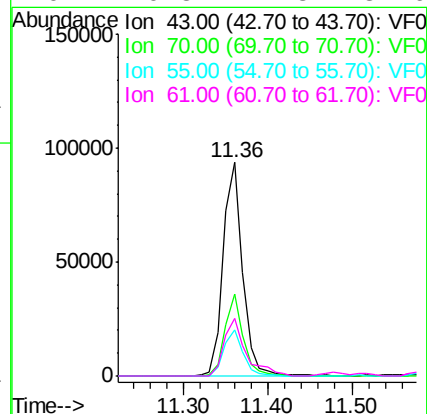
Ion Ratio Lower Upper

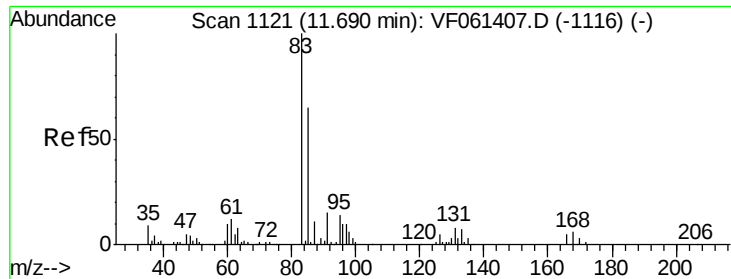
43 100

70 38.2 27.6 41.4

55 21.6 15.4 23.2

61 26.8 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 50.779 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

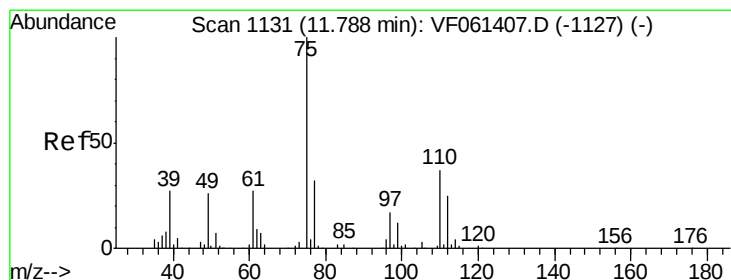
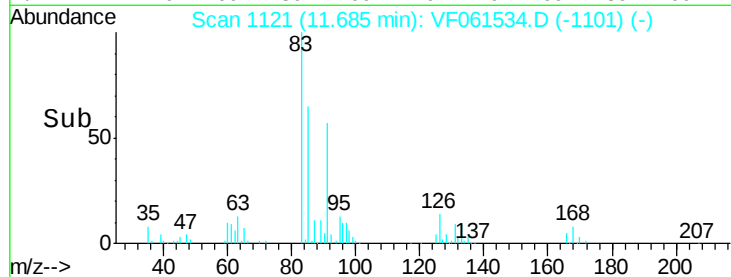
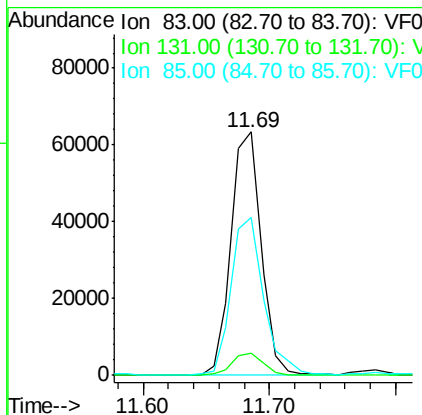
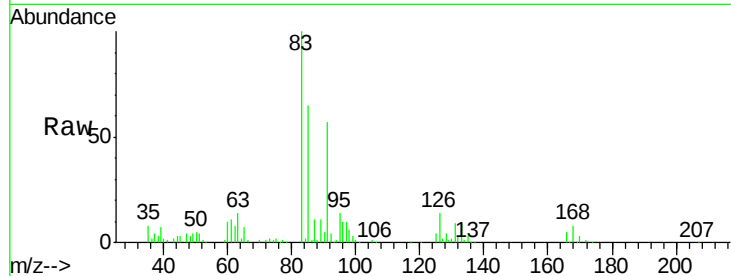
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	104969
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.0	12.2
85	64.9	32.7	98.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.932 ug/l

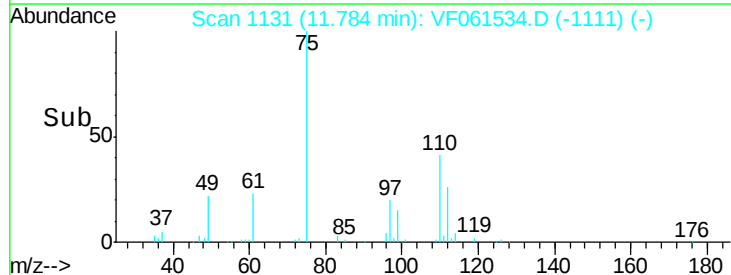
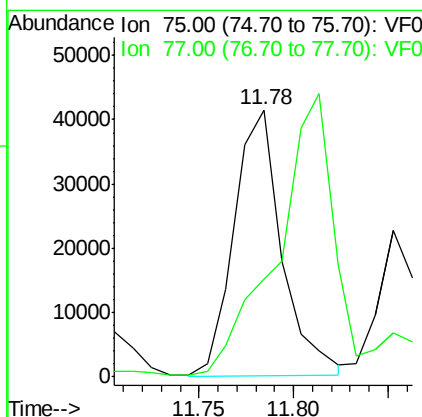
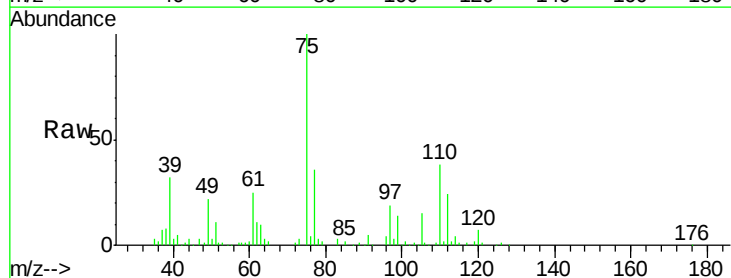
RT: 11.78 min Scan# 1131

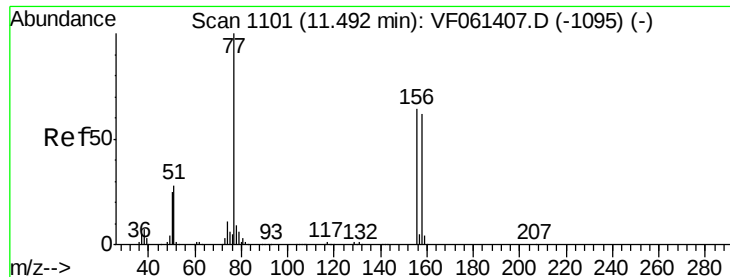
Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Tgt Ion:	75	Resp:	72681
Ion Ratio	Lower	Upper	
75	100		
77	36.4	16.1	48.3





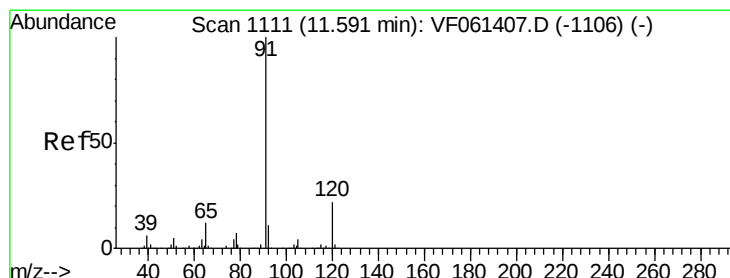
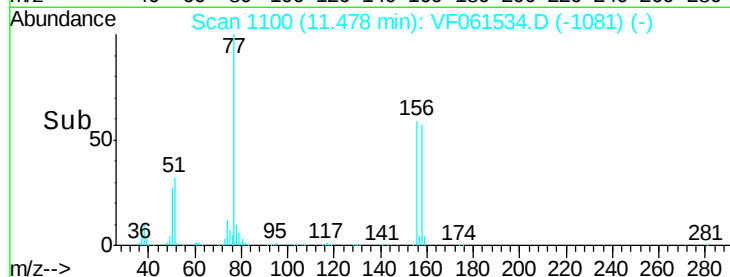
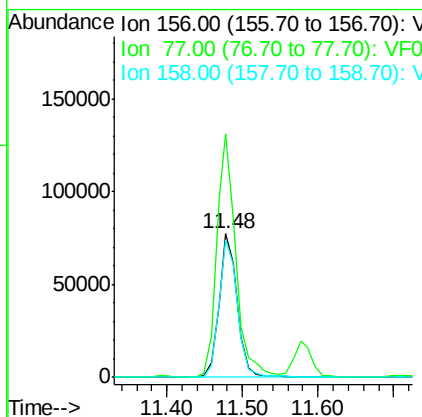
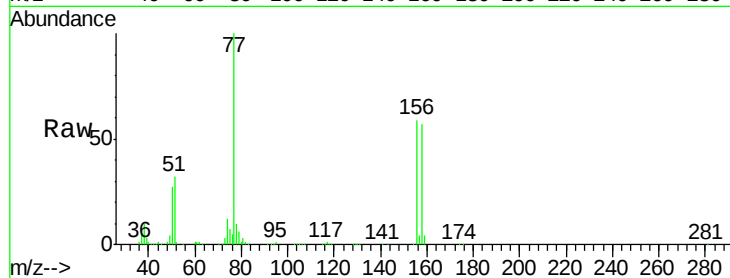
#77
Bromobenzene
Concen: 52.889 ug/l
RT: 11.48 min Scan# 1100
Delta R.T. -0.01 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	169.9	78.3	234.9
158	96.0	48.9	146.7

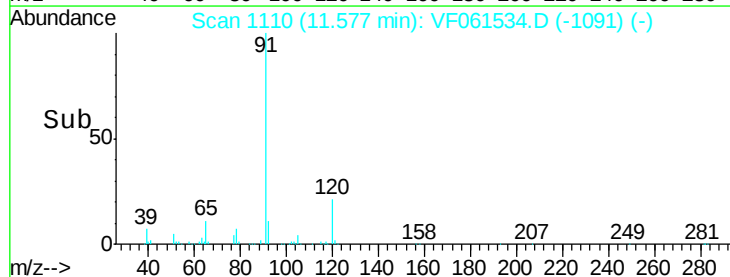
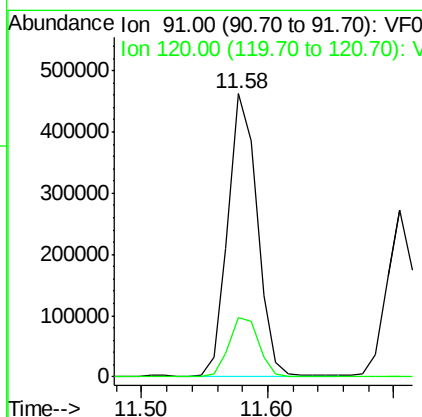
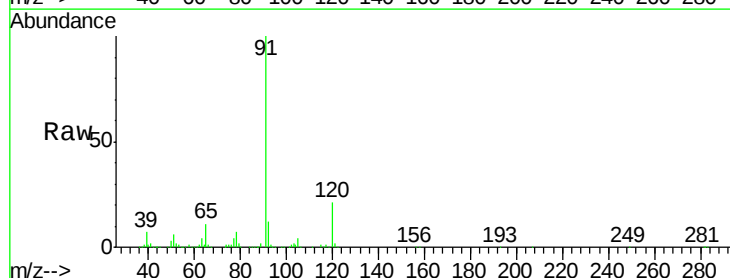
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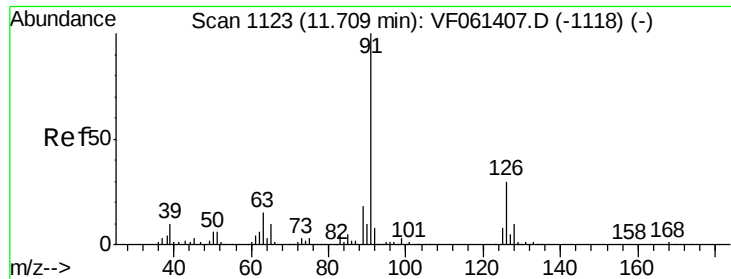
MMDadoda
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#78
n-propylbenzene
Concen: 53.063 ug/l
RT: 11.58 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.2	10.9	32.6





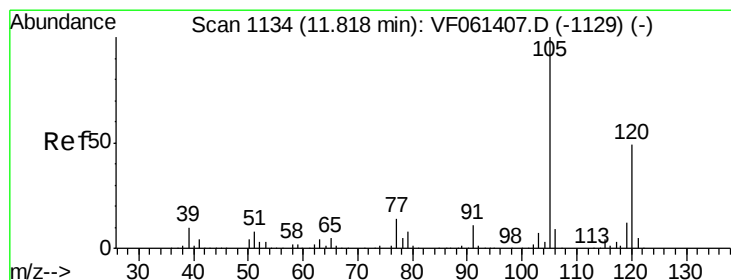
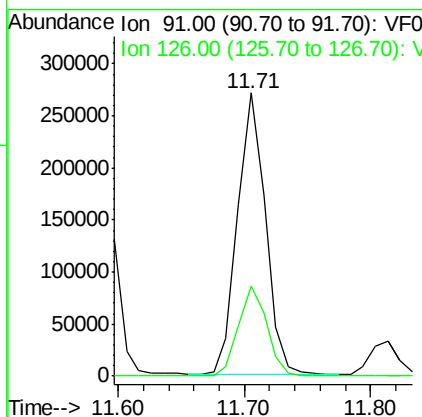
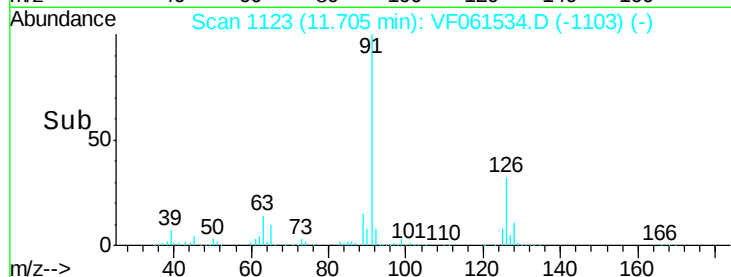
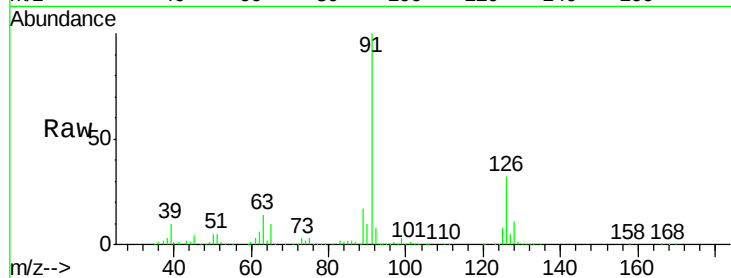
#79
2-Chlorotoluene
Concen: 51.593 ug/l
RT: 11.71 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 415377
Ion Ratio Lower Upper
91 100
126 31.7 15.0 45.1

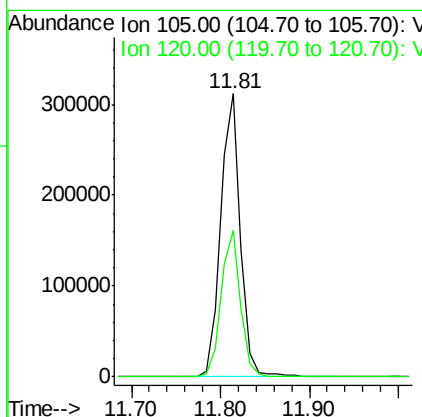
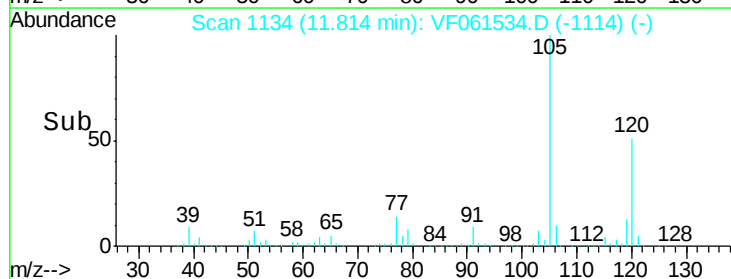
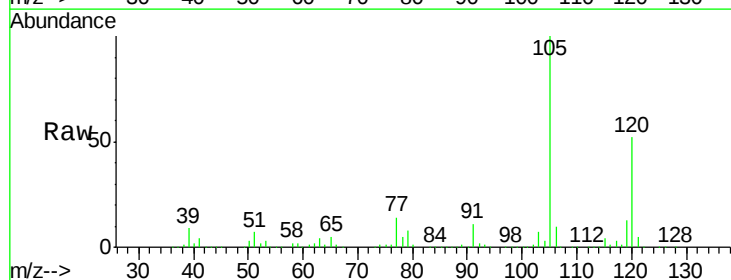
Manual Integrations
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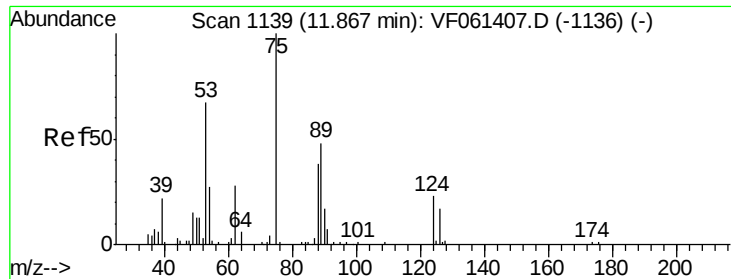
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#80
1,3,5-Trimethylbenzene
Concen: 51.723 ug/l
RT: 11.81 min Scan# 1134
Delta R.T. -0.00 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

Tgt Ion: 105 Resp: 484348
Ion Ratio Lower Upper
105 100
120 51.6 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 54.309 ug/l m

RT: 11.85 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

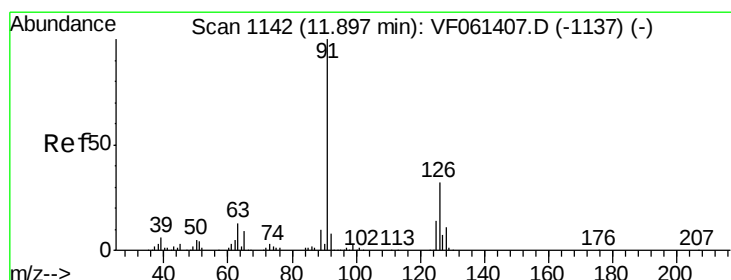
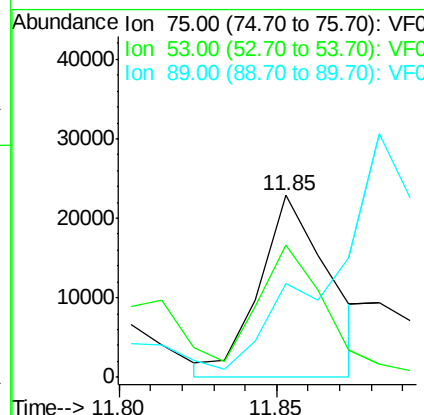
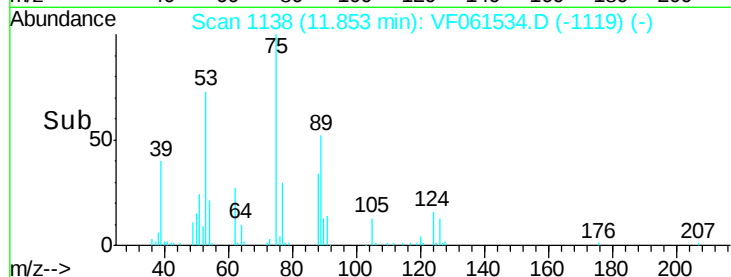
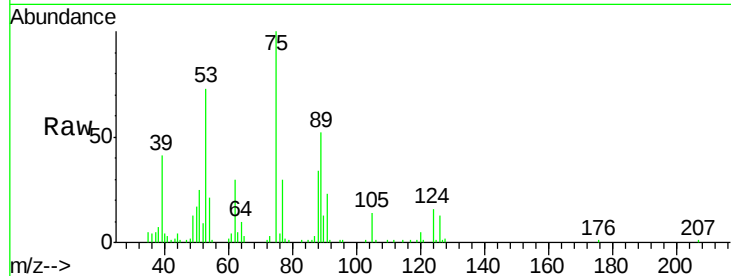
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	35067
Ion	Ratio	Lower	Upper
75	100		
53	72.8	57.8	86.6
89	51.6	40.7	61.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.770 ug/l

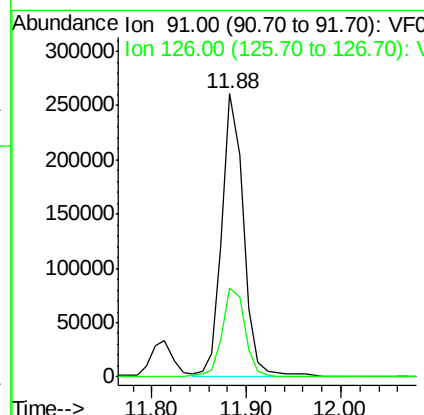
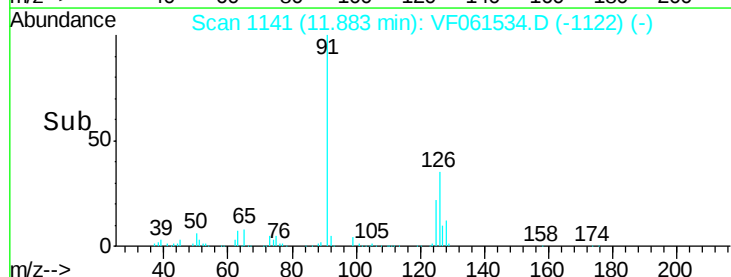
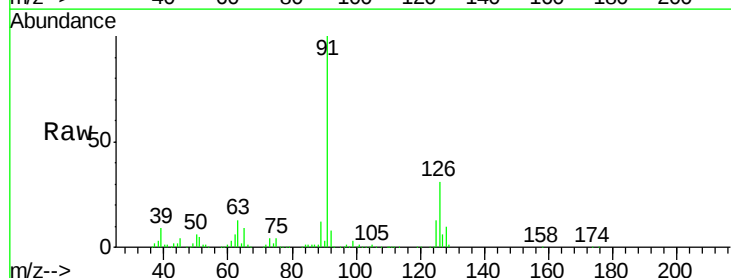
RT: 11.88 min Scan# 1141

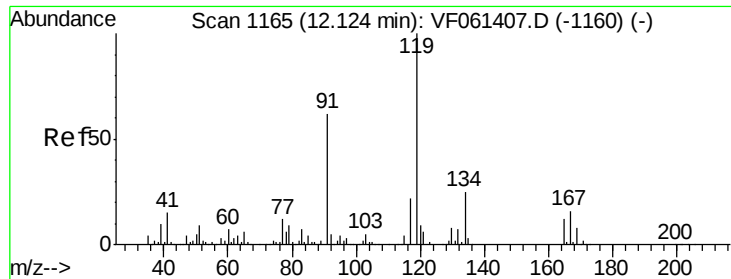
Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Tgt Ion:	91	Resp:	412471
Ion	Ratio	Lower	Upper
91	100		
126	31.4	16.0	47.9





#83

tert-Butylbenzene

Concen: 53.446 ug/l

RT: 12.12 min Scan# 1165

Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

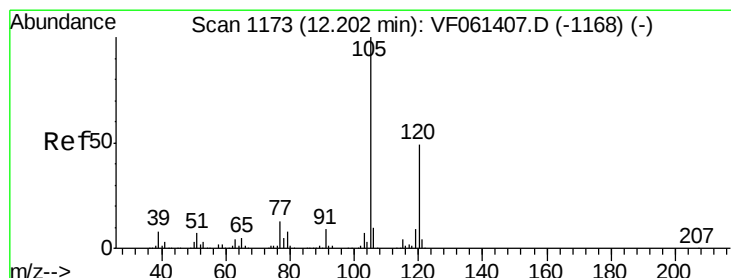
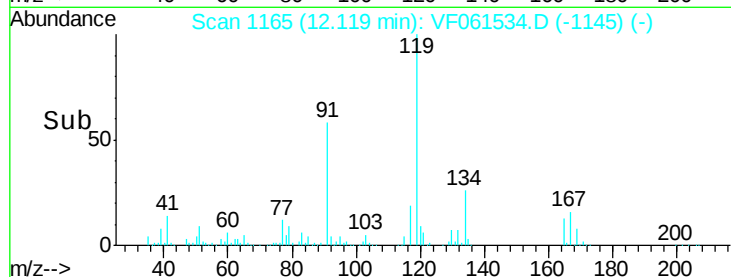
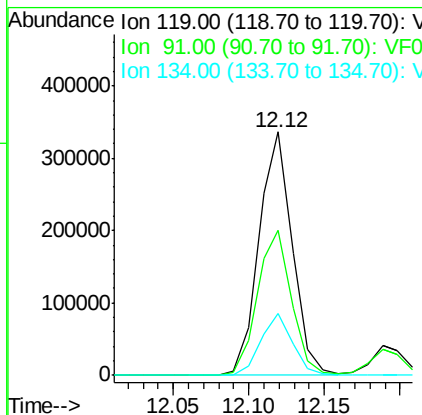
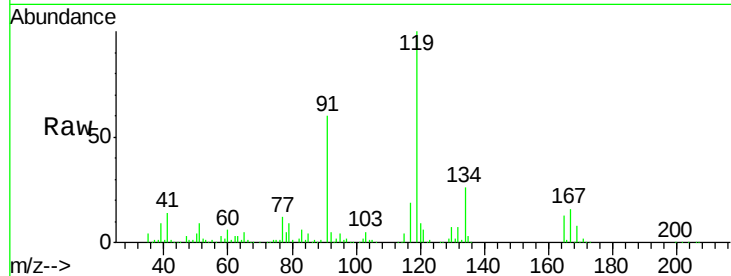
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	518013
Ion Ratio	Lower	Upper	
119	100		
91	59.8	31.3	93.8
134	25.6	12.4	37.0

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#84

1,2,4-Trimethylbenzene

Concen: 51.742 ug/l

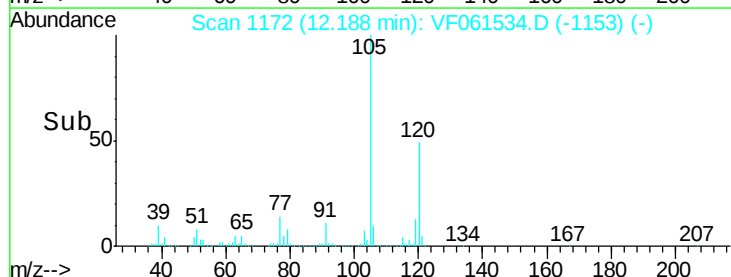
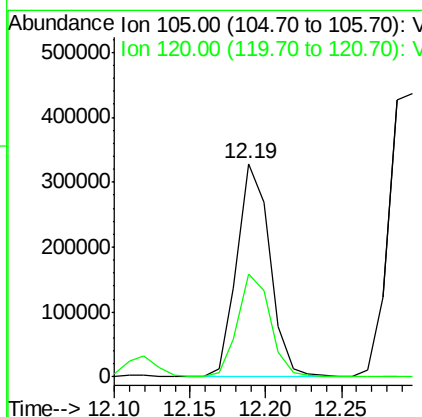
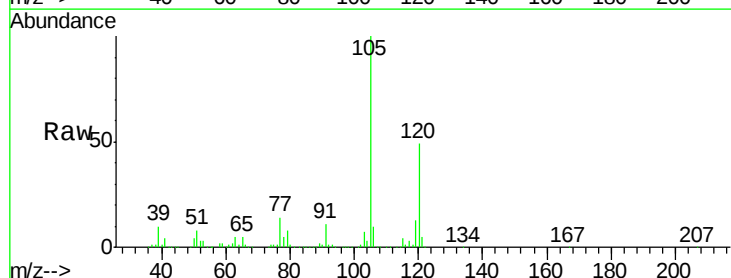
RT: 12.19 min Scan# 1172

Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Tgt Ion:	105	Resp:	499091
Ion Ratio	Lower	Upper	
105	100		
120	48.6	24.9	74.6





#85

sec-Butylbenzene

Concen: 54.697 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 719940

Ion Ratio Lower Upper

105 100

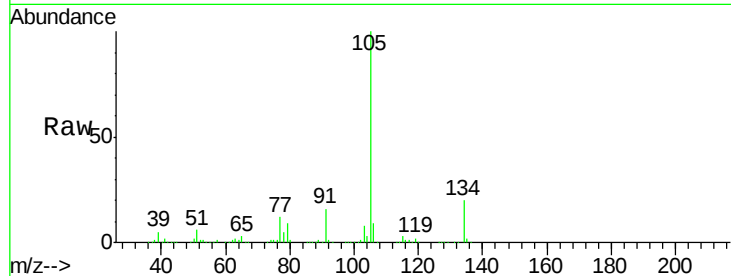
134 20.1 10.0 30.0

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.30

400000

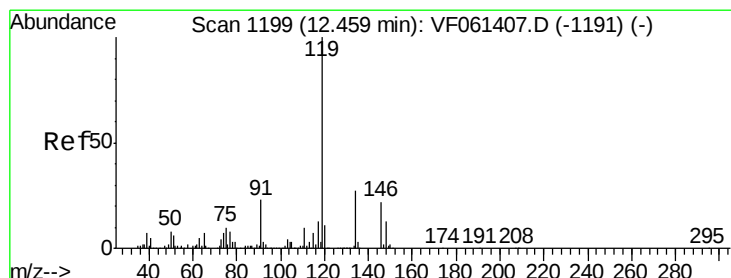
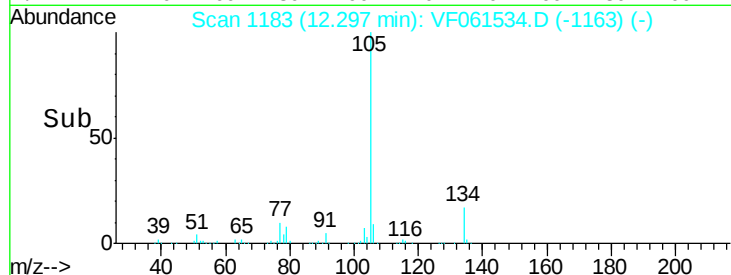
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 53.205 ug/l

RT: 12.44 min Scan# 1198

Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

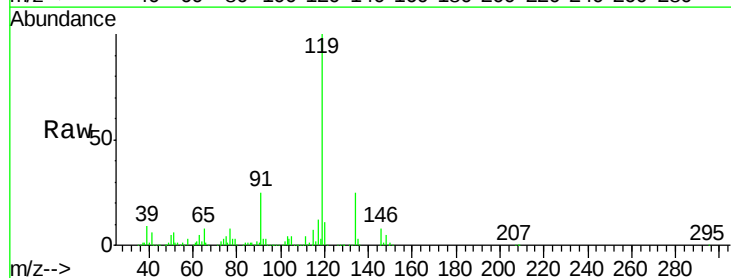
Tgt Ion:119 Resp: 574877

Ion Ratio Lower Upper

119 100

134 25.2 13.4 40.2

91 25.2 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

12.44

400000

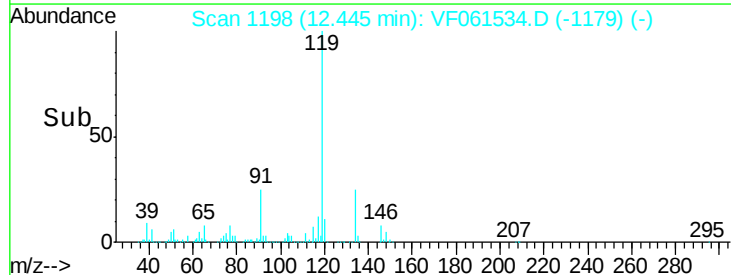
300000

200000

100000

0

Time-->





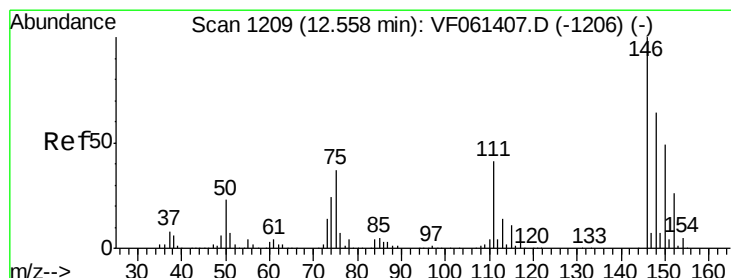
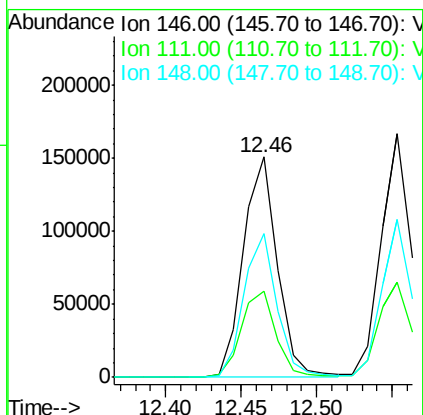
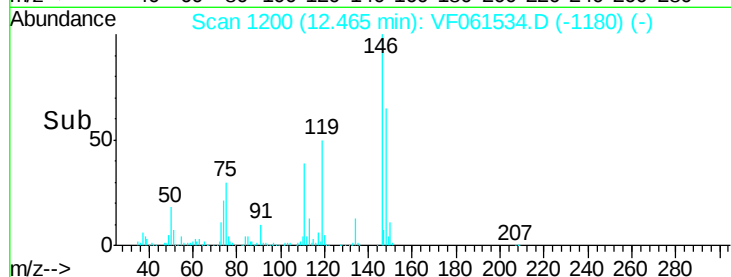
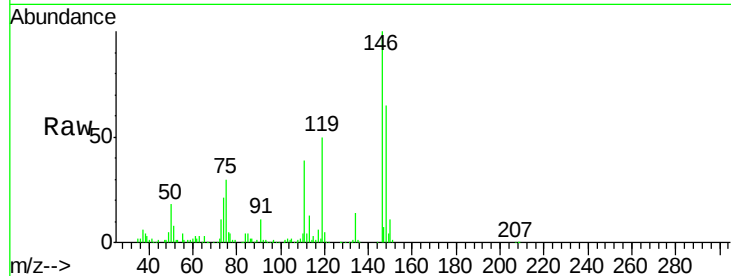
#87
 1,3-Dichlorobenzene
 Concen: 48.460 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VF061534.D
 Acq: 28 Jan 2019 11:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	21.1	63.4
148	65.5	32.9	98.6

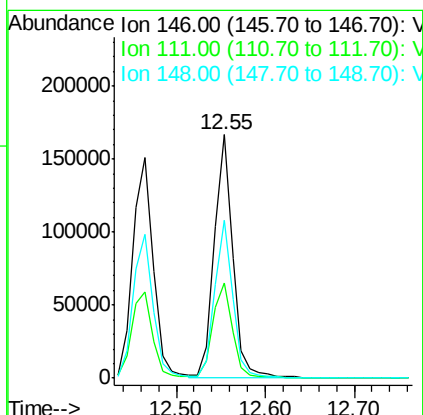
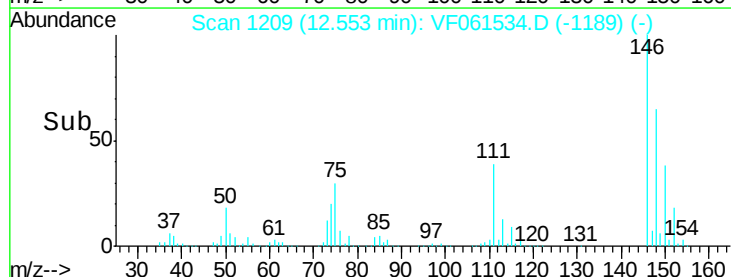
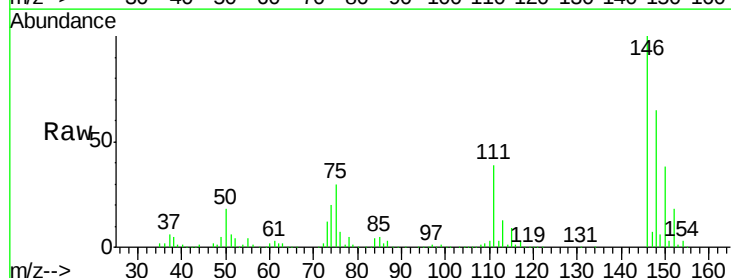
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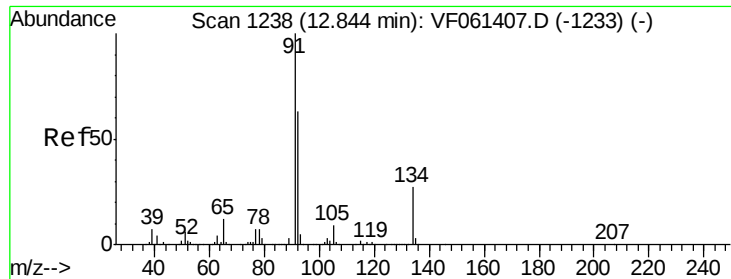
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#88
 1,4-Dichlorobenzene
 Concen: 52.361 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.00 min
 Lab File: VF061534.D
 Acq: 28 Jan 2019 11:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.8	62.2
148	65.0	32.1	96.5





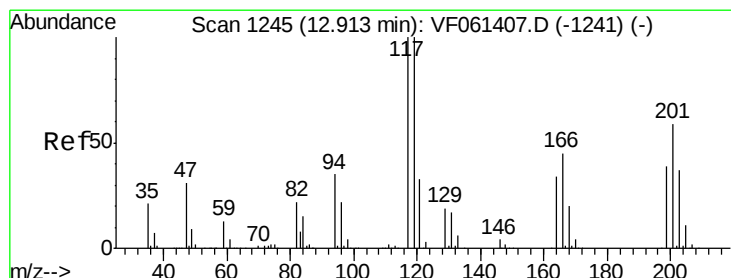
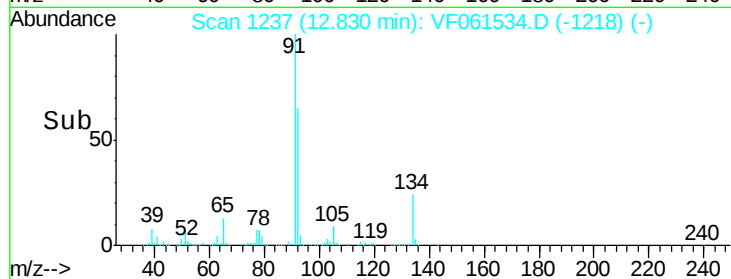
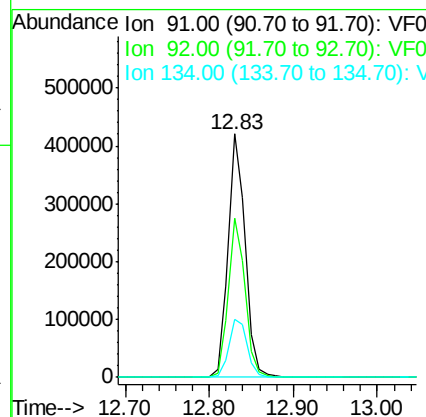
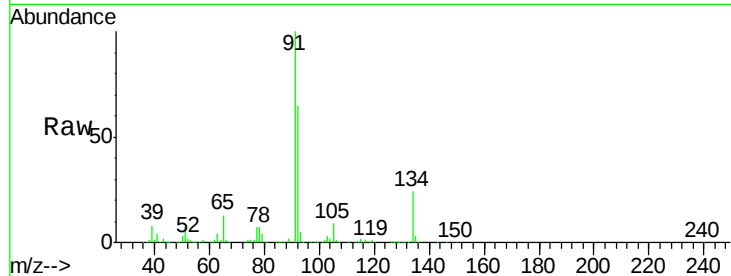
#89
n-Butylbenzene
Concen: 53.333 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	65.2	31.6	94.7
134	23.8	13.6	40.8

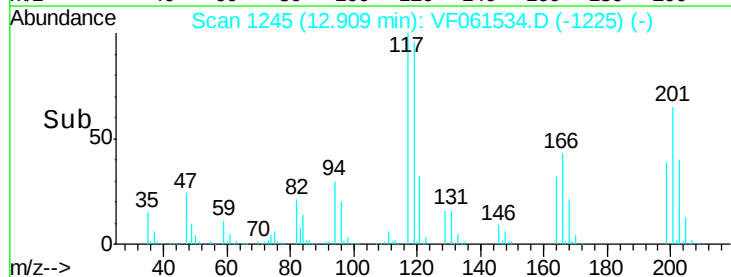
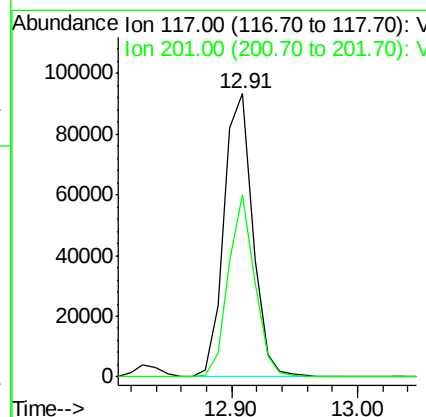
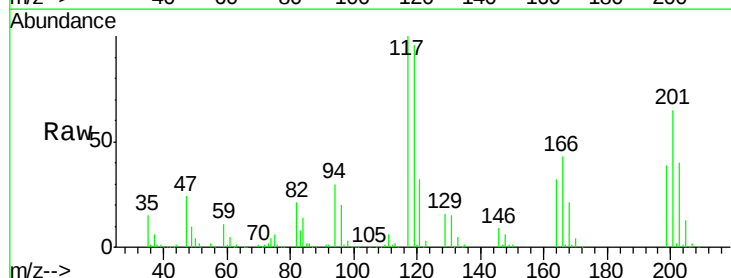
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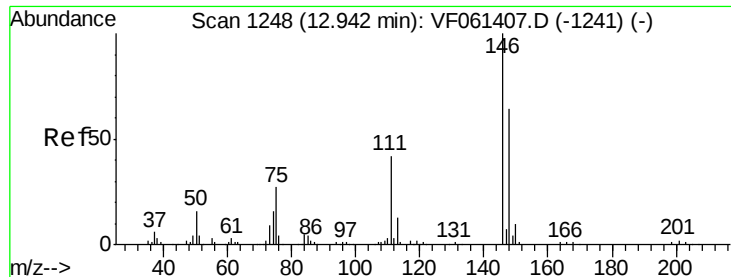
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#90
Hexachloroethane
Concen: 57.948 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.5	29.3	87.8





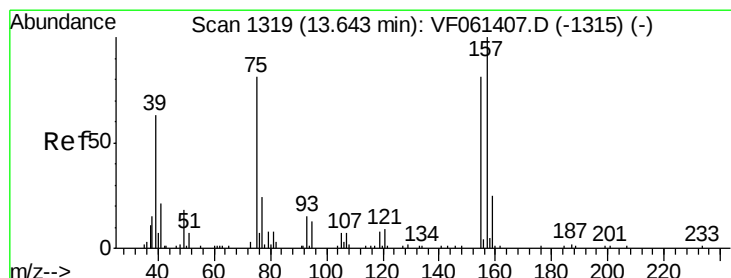
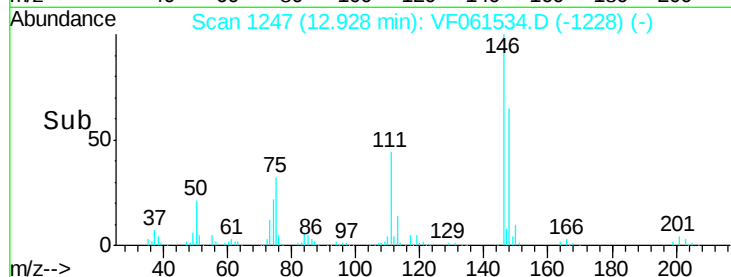
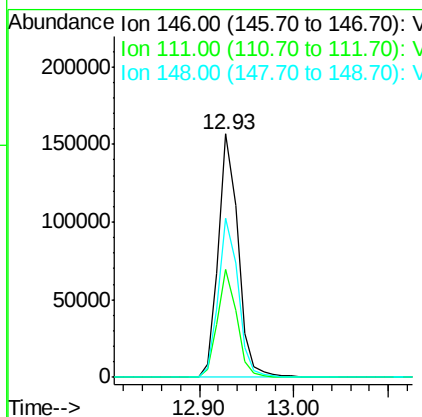
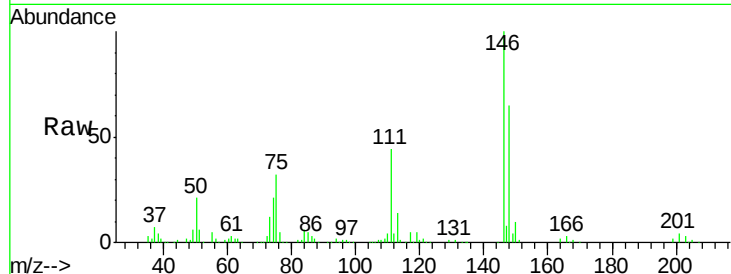
#91
 1,2-Dichlorobenzene
 Concen: 49.729 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: VF061534.D
 Acq: 28 Jan 2019 11:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.1	63.3
148	65.1	31.9	95.7

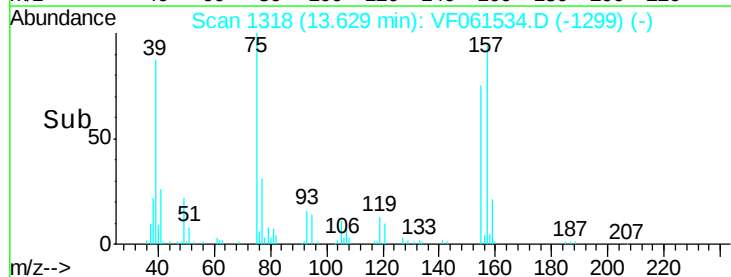
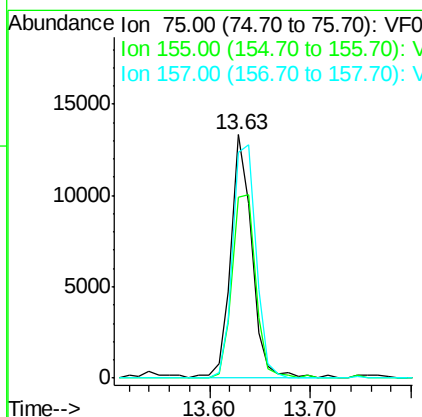
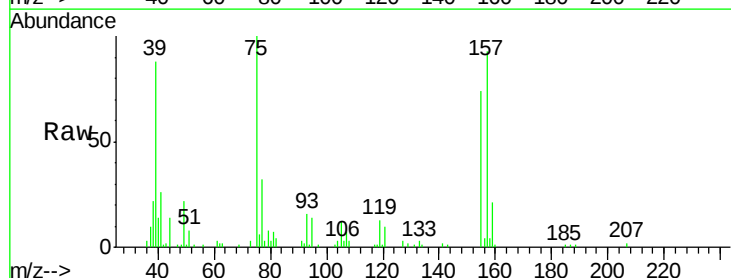
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.255 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: VF061534.D
 Acq: 28 Jan 2019 11:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.2	49.7	149.1
157	92.7	61.4	184.1





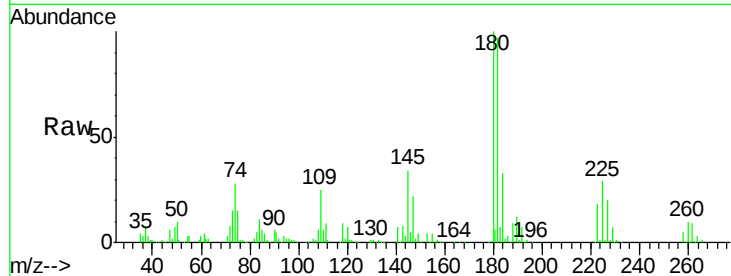
#93
 1,2,4-Trichlorobenzene
 Concen: 50.234 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF061534.D
 Acq: 28 Jan 2019 11:24

Instrument :
 MSVOA_F
 ClientSampled :
 VSTDCCC050

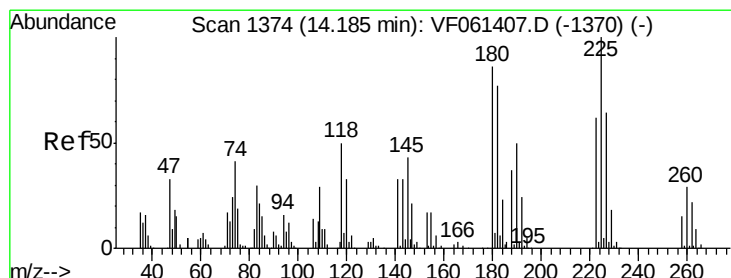
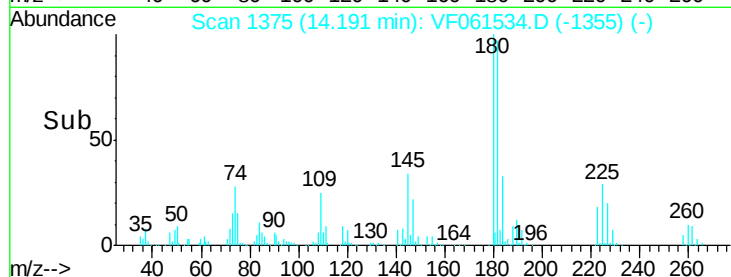
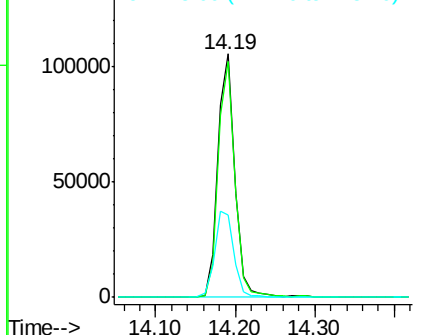
Tot Ion	Ratio	Resp	Lower	Upper
180	100	161321		
182	96.8	48.5	145.6	
145	34.0	17.5	52.6	

Manual Integrations
 APPROVED

MMDadoda
 1/29/2019 12:18:47 PM

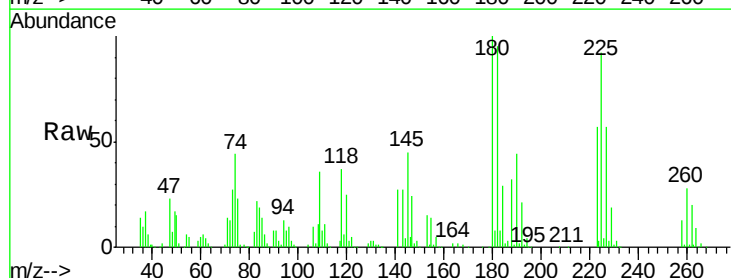


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

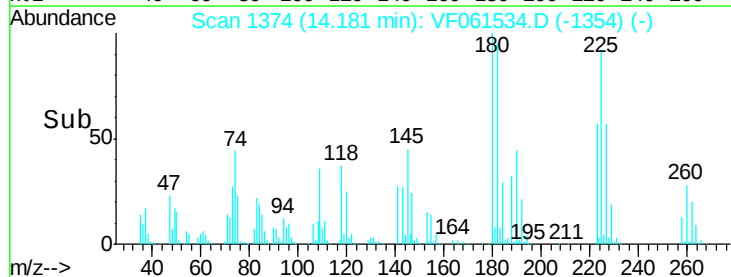
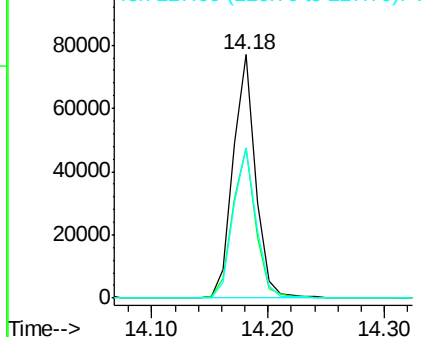


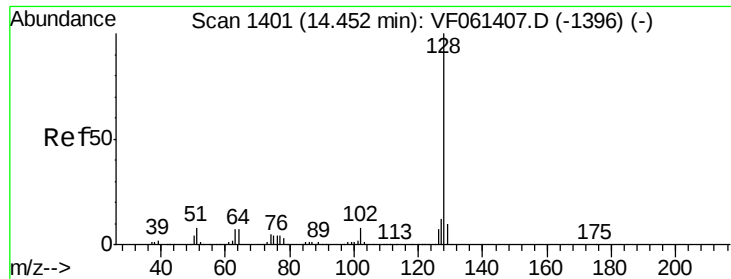
#94
 Hexachlorobutadiene
 Concen: 51.760 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: VF061534.D
 Acq: 28 Jan 2019 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	103144		
223	61.9	31.1	93.2	
227	61.9	32.2	96.6	



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





#95

Naphthalene

Concen: 52.227 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

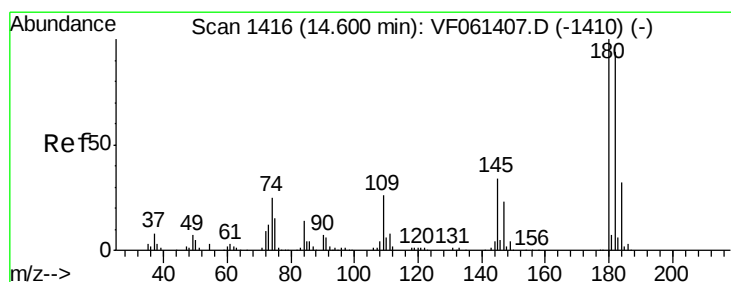
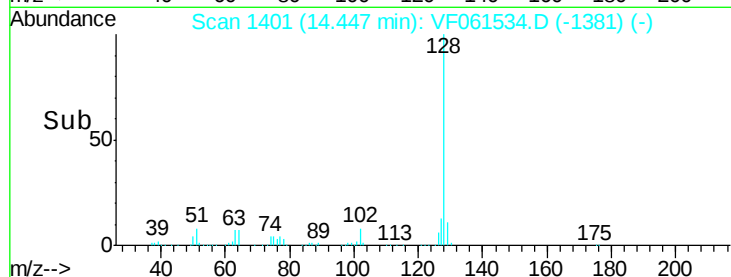
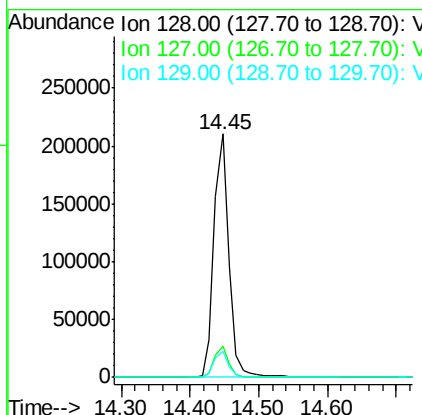
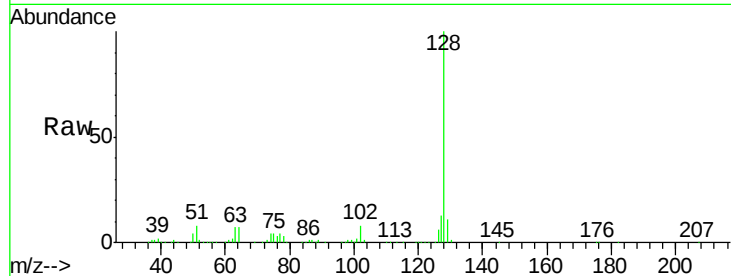
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	318659
Ion Ratio	Lower	Upper	
128	100		
127	12.7	9.5	14.3
129	10.7	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
1/29/2019 12:18:47 PM



#96

1,2,3-Trichlorobenzene

Concen: 49.416 ug/l

RT: 14.60 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Tgt Ion:	180	Resp:	146904
Ion Ratio	Lower	Upper	
180	100		
182	97.9	47.0	141.2
145	32.7	17.1	51.2

