

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052119\
 Data File : VF062675.D
 Acq On : 21 May 2019 10:21
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/22/2019 4:20:49 PM

Quant Time: May 22 04:02:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	938931	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.77	114	1489740	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.91	117	1133373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	539502	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	311709	46.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.96%	
35) Dibromofluoromethane	4.31	113	548074	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
50) Toluene-d8	7.71	98	1301859	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	
62) 4-Bromofluorobenzene	11.49	95	460210	44.58	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	89.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	548858	42.955	ug/l	98
3) Chloromethane	1.15	50	483642	41.108	ug/l	98
4) Vinyl Chloride	1.20	62	476722	44.019	ug/l	96
5) Bromomethane	1.40	94	273571	46.175	ug/l	99
6) Chloroethane	1.44	64	181349	45.595	ug/l	97
7) Trichlorofluoromethane	1.56	101	657193	45.195	ug/l	95
8) Diethyl Ether	1.71	74	158422	54.994	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.91	101	446175	48.187	ug/l	99
10) Methyl Iodide	1.99	142	867662	47.703	ug/l	100
11) Tert butyl alcohol	2.70	59	126187	288.069	ug/l #	91
12) 1,1-Dichloroethene	1.88	96	414575	49.151	ug/l	96
13) Acrolein	2.11	56	104578	228.708	ug/l	88
14) Allyl chloride	2.20	41	384857m	50.415	ug/l	
15) Acrylonitrile	3.09	53	288640	233.594	ug/l	97
16) Acetone	2.35	43	511177	296.968	ug/l	93
17) Carbon Disulfide	1.93	76	1135482	45.419	ug/l	99
18) Methyl Acetate	2.46	43	139847	51.701	ug/l	96
19) Methyl tert-butyl Ether	2.55	73	765776	50.787	ug/l	100
20) Methylene Chloride	2.34	84	397665m	46.090	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	411359	49.897	ug/l	93
22) Diisopropyl ether	2.94	45	943012	50.086	ug/l	98
23) Vinyl Acetate	3.35	43	3160782	248.864	ug/l	99
24) 1,1-Dichloroethane	3.01	63	685364	49.620	ug/l	99
25) 2-Butanone	4.53	43	1020197	277.409	ug/l	99
26) 2,2-Dichloropropane	3.78	77	417878	52.877	ug/l	93
27) cis-1,2-Dichloroethene	3.64	96	697889	51.463	ug/l	96
28) Bromochloromethane	3.90	49	324810	41.930	ug/l	96
29) Tetrahydrofuran	4.26	42	388060	260.759	ug/l	97
30) Chloroform	4.05	83	950027	49.540	ug/l	100
31) Cyclohexane	3.87	56	850684	45.870	ug/l	97
32) 1,1,1-Trichloroethane	4.29	97	638556	50.139	ug/l	98
36) 1,1-Dichloropropene	4.47	75	804253	52.685	ug/l	97
37) Ethyl Acetate	4.30	43	315194	50.570	ug/l	85
38) Carbon Tetrachloride	4.18	117	579009	50.434	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	981109	53.414	ug/l	96
40) Benzene	4.83	78	2084605	50.127	ug/l	99
41) Methacrylonitrile	4.93	41	173163	52.992	ug/l	93
42) 1,2-Dichloroethane	5.13	62	457061	55.114	ug/l	95
43) Isopropyl Acetate	7.11	43	389307	48.212	ug/l #	97
44) Trichloroethene	5.68	130	623953	53.384	ug/l	92
45) 1,2-Dichloropropane	6.41	63	538042	51.252	ug/l	98
46) Dibromomethane	6.26	93	342164	56.397	ug/l	92
47) Bromodichloromethane	6.55	83	692299	54.965	ug/l	98
48) Methyl methacrylate	6.88	41	224634	53.223	ug/l	96
49) 1,4-Dioxane	6.88	88	57609	1065.709	ug/l	93
51) 4-Methyl-2-Pentanone	8.40	43	1402981	254.188	ug/l	98
52) Toluene	7.78	92	1160371	53.204	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	574284	55.732	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	795713	55.164	ug/l	98
55) 1,1,2-Trichloroethane	8.63	97	350335	54.251	ug/l	96
56) Ethyl methacrylate	8.76	69	388786	50.535	ug/l	97
57) 1,3-Dichloropropane	9.00	76	586538	53.325	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.45	63	702999	280.725	ug/l	97
59) 2-Hexanone	9.62	43	1040412	292.775	ug/l	95
60) Dibromochloromethane	8.86	129	483559	57.455	ug/l	97
61) 1,2-Dibromoethane	9.13	107	382056	55.702	ug/l	99
64) Tetrachloroethene	8.31	164	467331	52.048	ug/l	98
65) Chlorobenzene	9.93	112	1155106	51.890	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	484193	54.182	ug/l	97
67) Ethyl Benzene	10.03	91	1933391	49.995	ug/l	100
68) m/p-Xylenes	10.26	106	1470584	101.179	ug/l	98
69) o-Xylene	10.82	106	762500	50.933	ug/l	94
70) Styrene	10.89	104	1128386	49.590	ug/l	99
71) Bromoform	10.88	173	267101	59.678	ug/l #	95
73) Isopropylbenzene	11.21	105	1968213	50.902	ug/l	99
74) N-amyl acetate	11.45	43	531939	54.560	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	416901	52.758	ug/l	98
76) 1,2,3-Trichloropropane	11.86	75	269648	51.933	ug/l	90
77) Bromobenzene	11.58	156	504176	52.456	ug/l	96
78) n-propylbenzene	11.67	91	2152016	47.027	ug/l	97
79) 2-Chlorotoluene	11.79	91	1284128	49.793	ug/l	97
80) 1,3,5-Trimethylbenzene	11.89	105	1545621	49.851	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.94	75	135213m	58.585	ug/l	
82) 4-Chlorotoluene	11.97	91	1250856	49.185	ug/l	100
83) tert-Butylbenzene	12.20	119	1658239	52.716	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	1517671	50.574	ug/l	96
85) sec-Butylbenzene	12.37	105	2043518	48.408	ug/l	99
86) p-Isopropyltoluene	12.51	119	1730608	48.645	ug/l	99
87) 1,3-Dichlorobenzene	12.53	146	857468	49.311	ug/l	100
88) 1,4-Dichlorobenzene	12.62	146	835833	51.221	ug/l	98
89) n-Butylbenzene	12.90	91	1681438	47.936	ug/l	99
90) Hexachloroethane	12.97	117	470915	55.179	ug/l	97
91) 1,2-Dichlorobenzene	13.00	146	811878	52.378	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.69	75	54353	57.657	ug/l	95

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Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	588692	53.058	ug/l	100
94) Hexachlorobutadiene	14.23	225	408551	52.764	ug/l	94
95) Naphthalene	14.50	128	1069544	53.061	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	566096	53.865	ug/l	100

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

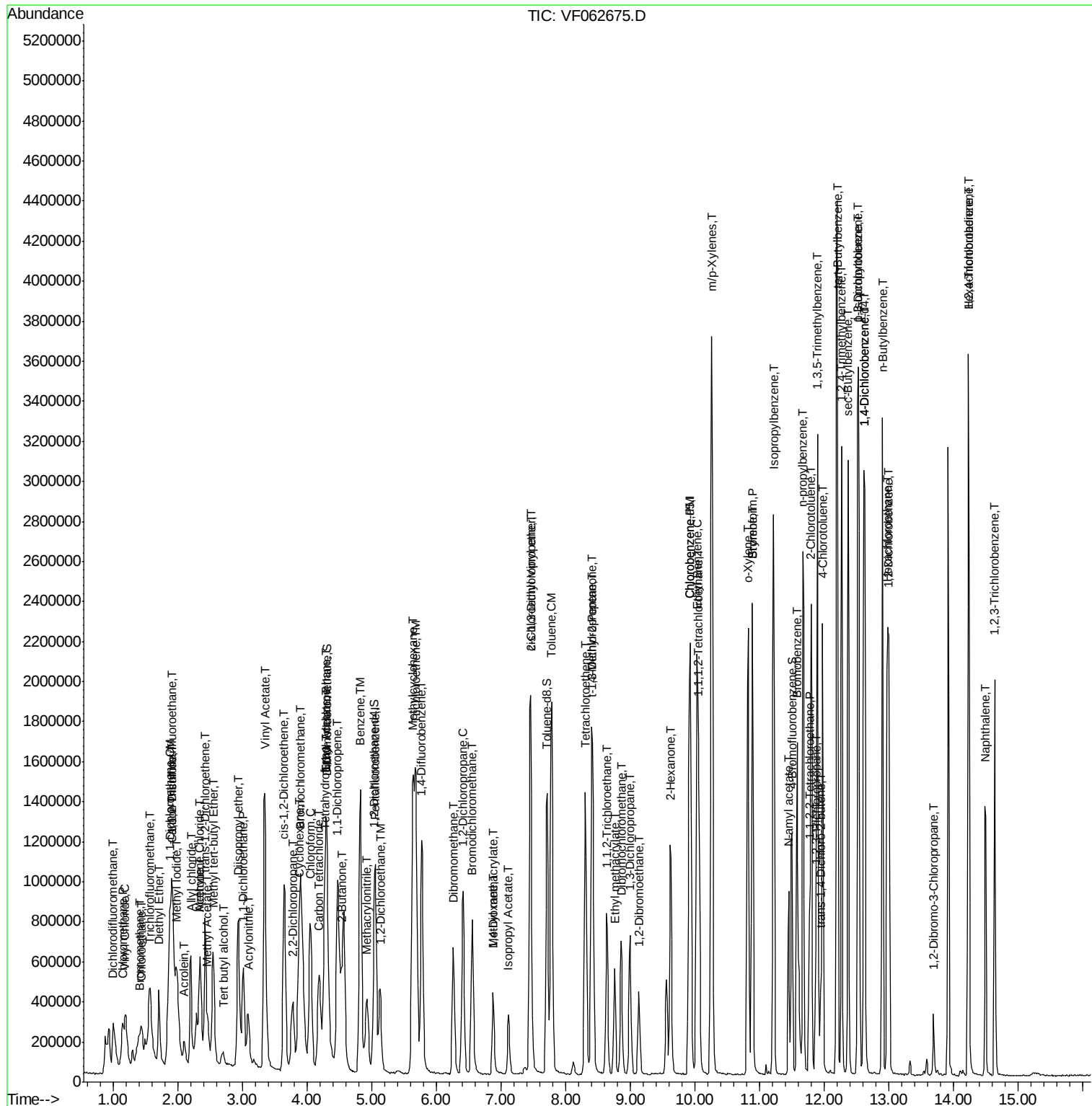
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052119\
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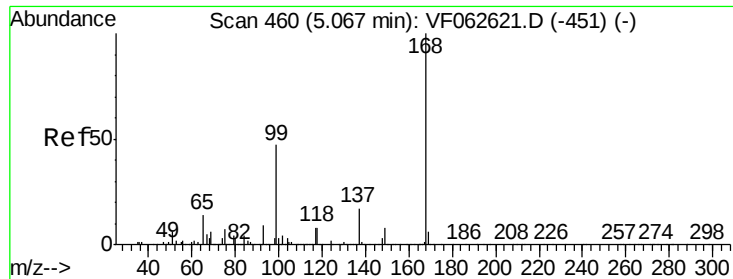
Instrument :
 MSVOA_F
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

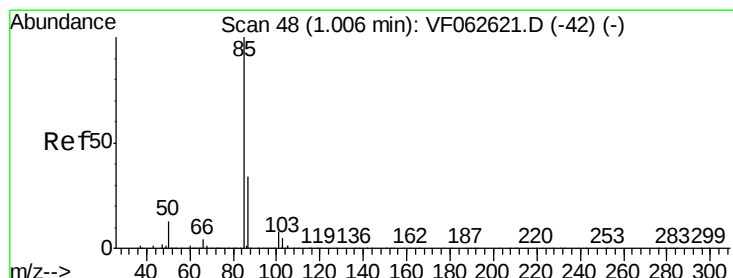
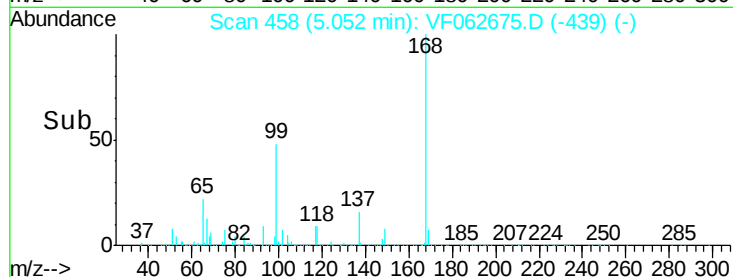
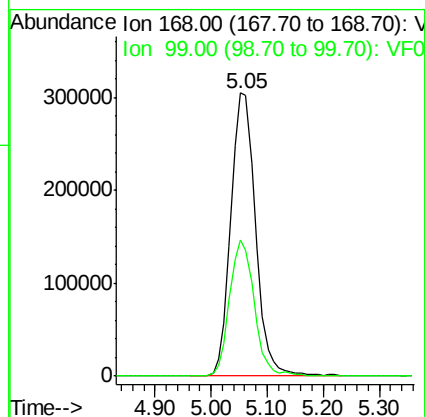
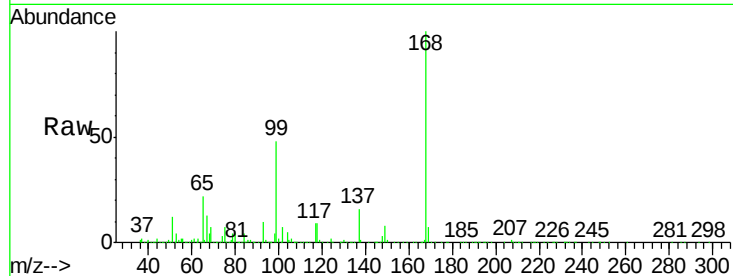
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	48.1	37.8	56.8

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 42.955 ug/l

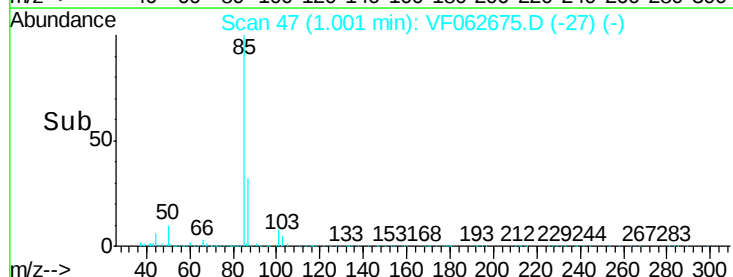
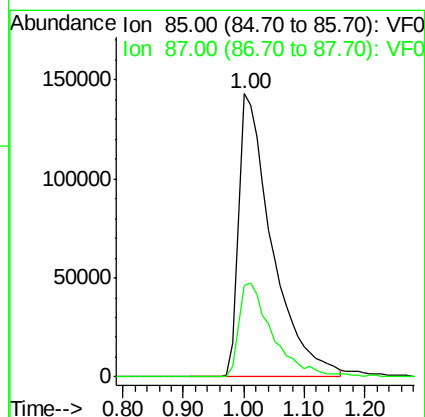
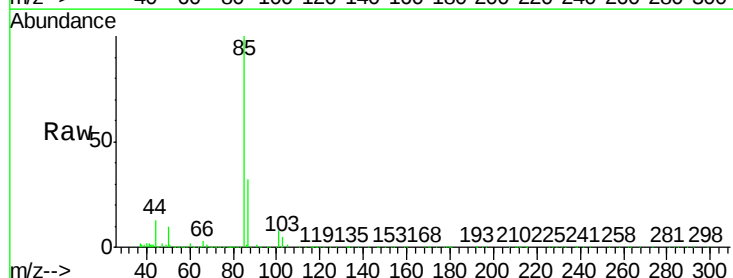
RT: 1.00 min Scan# 47

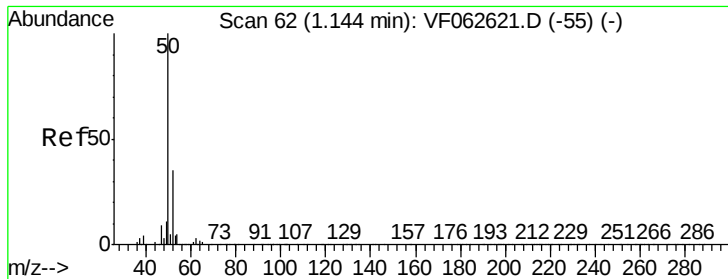
Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.8	50.3





#3

Chloromethane

Concen: 41.108 ug/l

RT: 1.15 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 483642

Ion Ratio Lower Upper

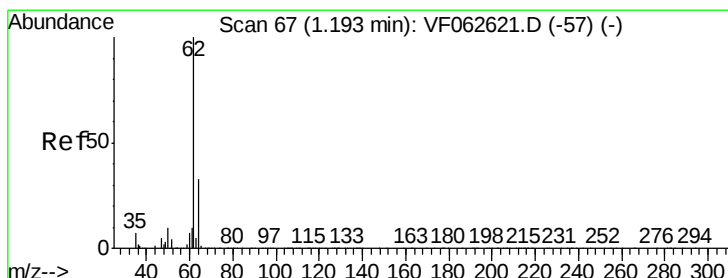
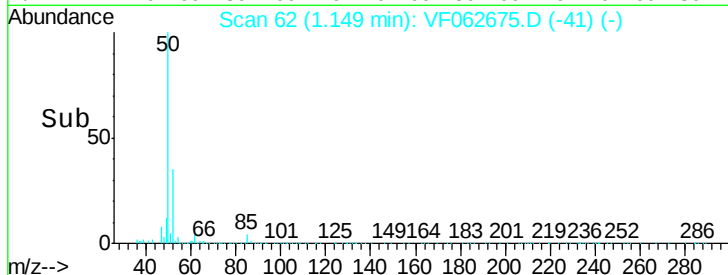
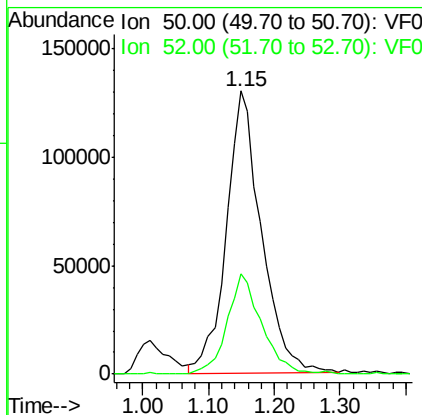
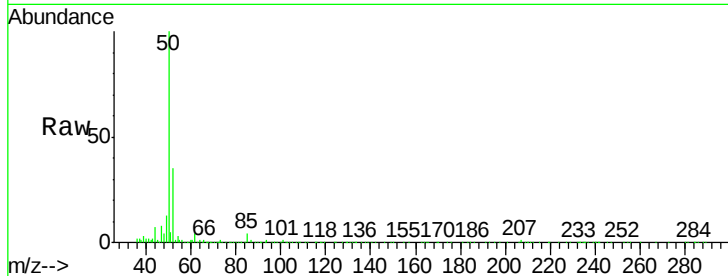
50 100

52 35.3 27.5 41.3

Manual Integrations
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5/22/2019 4:20:49 PM



#4

Vinyl Chloride

Concen: 44.019 ug/l

RT: 1.20 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062675.D

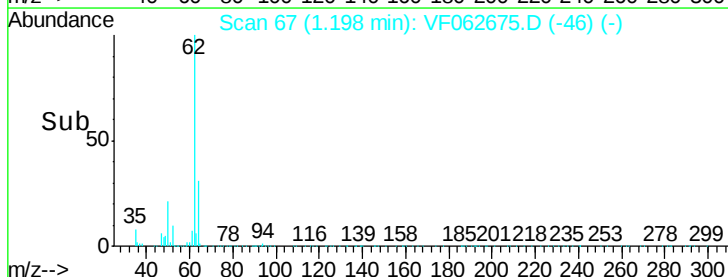
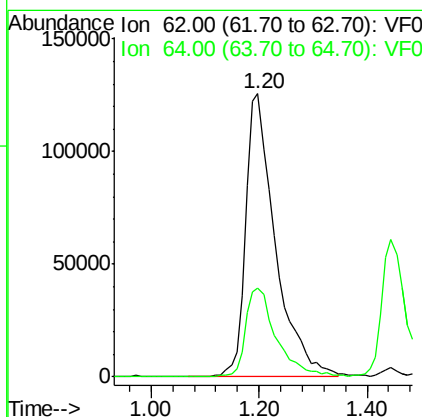
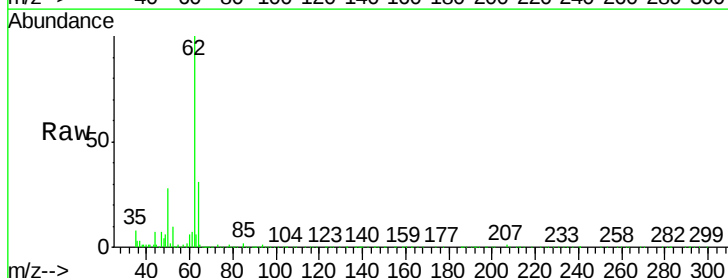
Acq: 21 May 2019 10:21

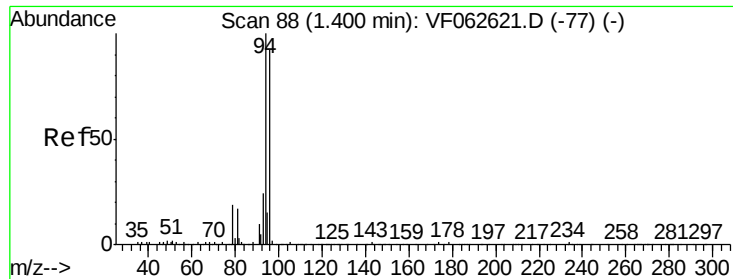
Tgt Ion: 62 Resp: 476722

Ion Ratio Lower Upper

62 100

64 31.2 26.7 40.1





#5

Bromomethane

Concen: 46.175 ug/l

RT: 1.40 min Scan# 87

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 273571

Ion Ratio Lower Upper

94 100

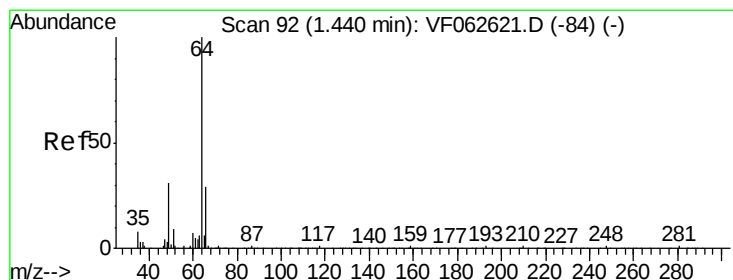
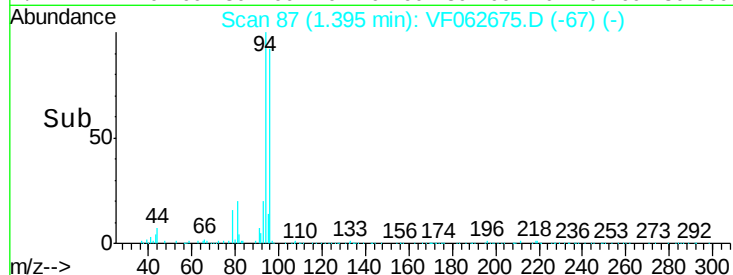
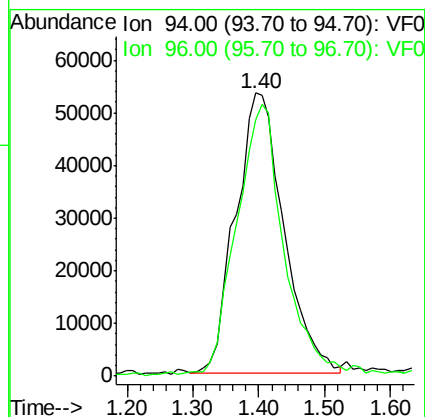
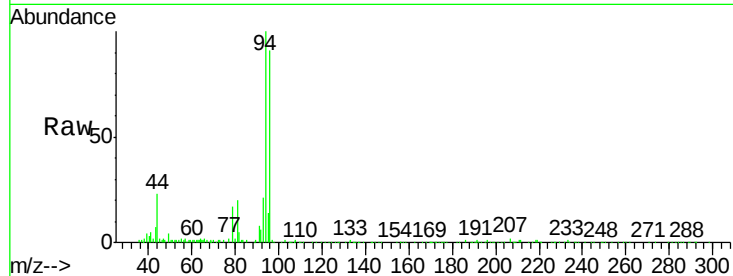
96 90.8 73.2 109.8

Manual Integrations

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5/22/2019 4:20:49 PM



#6

Chloroethane

Concen: 45.595 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.00 min

Lab File: VF062675.D

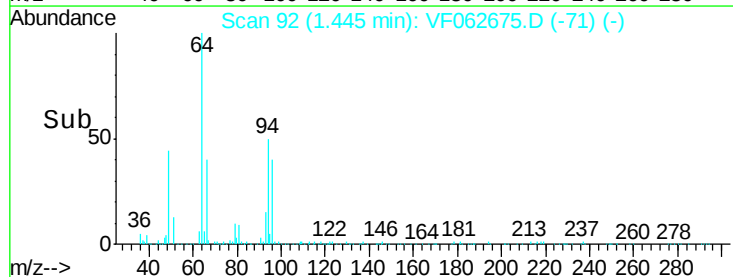
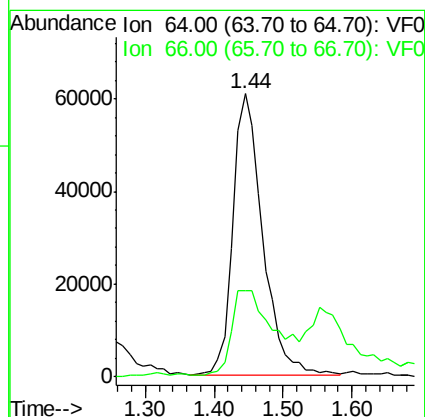
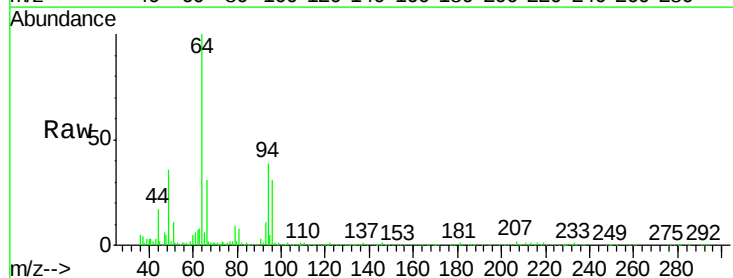
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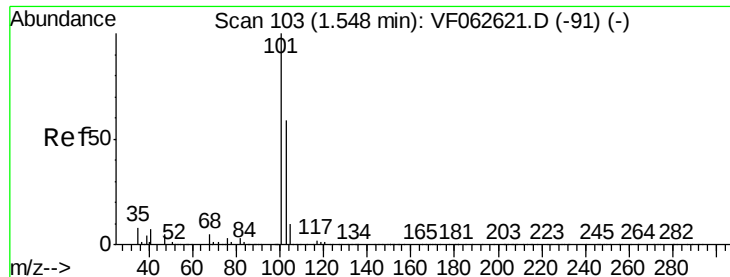
Tgt Ion: 64 Resp: 181349

Ion Ratio Lower Upper

64 100

66 30.7 23.4 35.2





#7

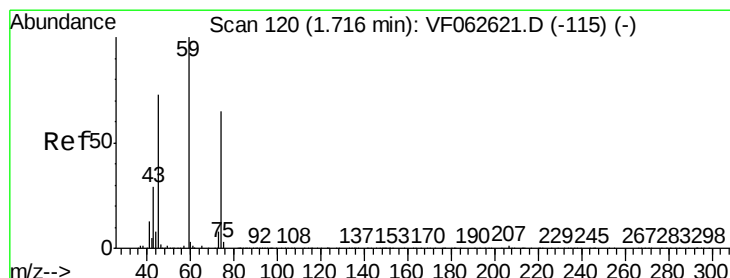
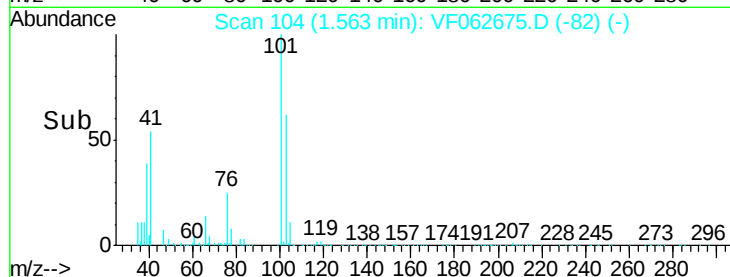
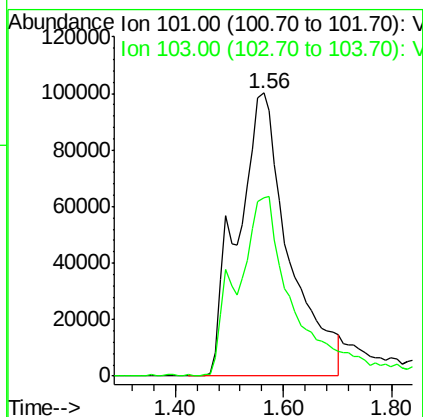
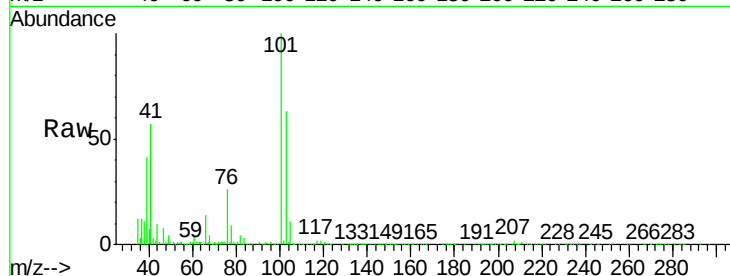
Trichlorofluoromethane
Concen: 45.195 ug/l
RT: 1.56 min Scan# 104
Delta R.T. 0.01 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	47.3	70.9

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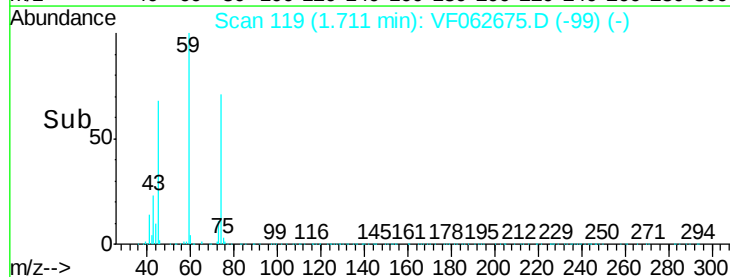
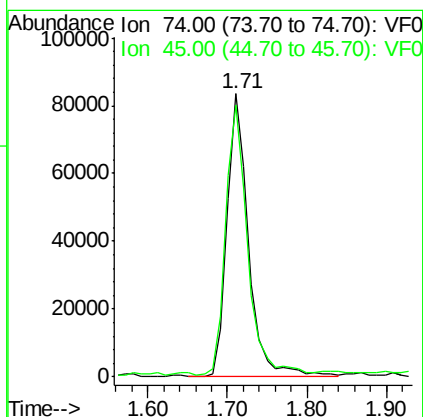
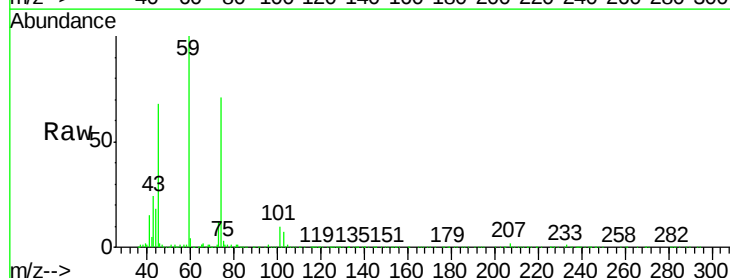
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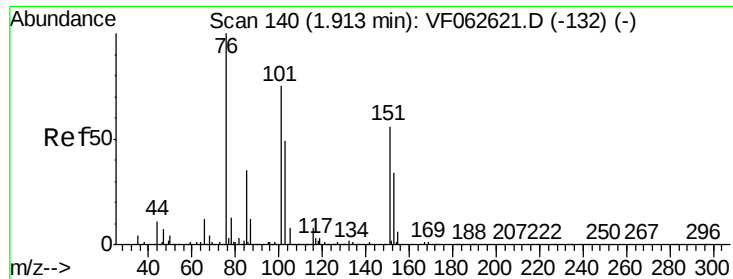


#8

Diethyl Ether
Concen: 54.994 ug/l
RT: 1.71 min Scan# 119
Delta R.T. -0.00 min
Lab File: VF062675.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.9	57.0	170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.187 ug/l

RT: 1.91 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

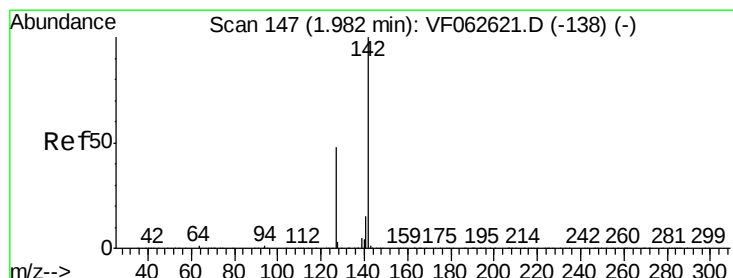
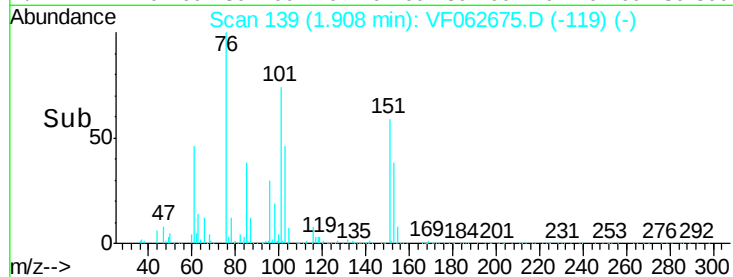
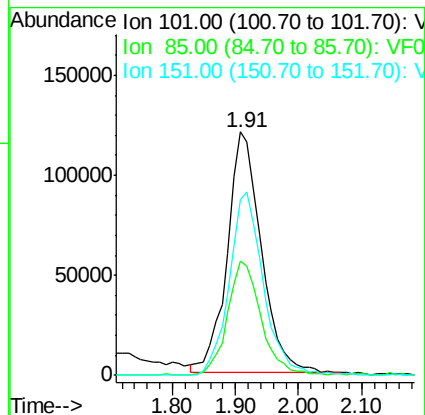
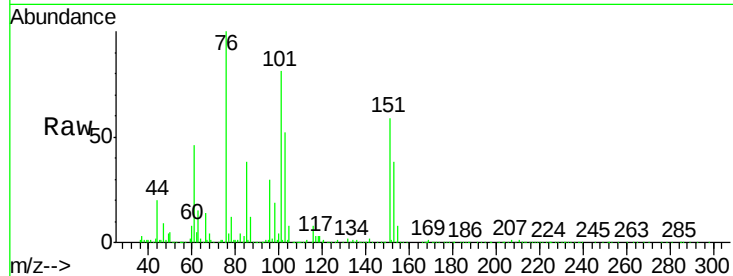
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	446175
Ion Ratio	Lower	Upper	
101	100		
85	47.1	37.1	55.7
151	72.1	58.8	88.2

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#10

Methyl Iodide

Concen: 47.703 ug/l

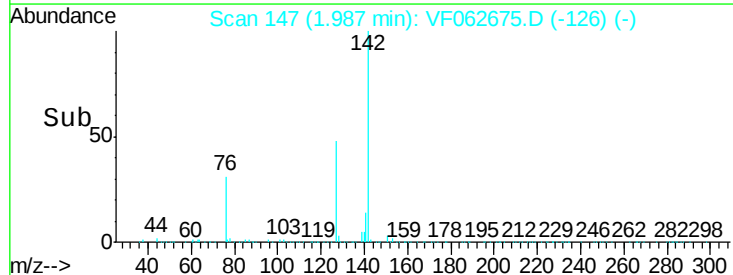
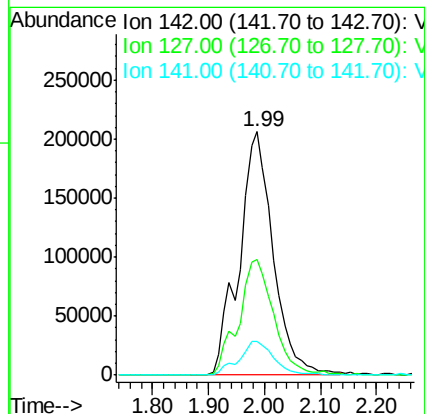
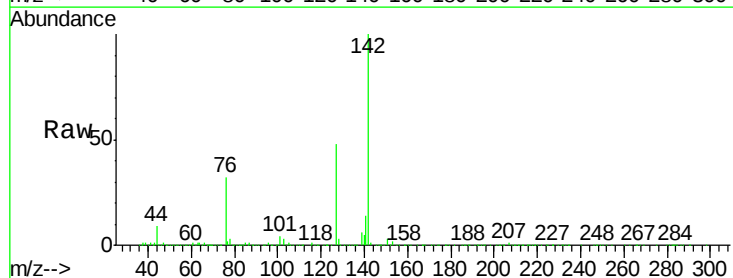
RT: 1.99 min Scan# 147

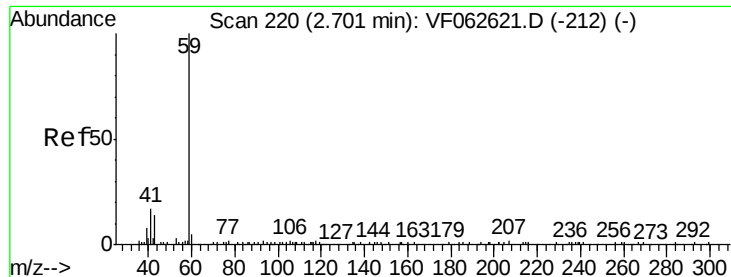
Delta R.T. 0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Tgt Ion:	142	Resp:	867662
Ion Ratio	Lower	Upper	
142	100		
127	47.5	38.1	57.1
141	14.0	11.7	17.5





#11

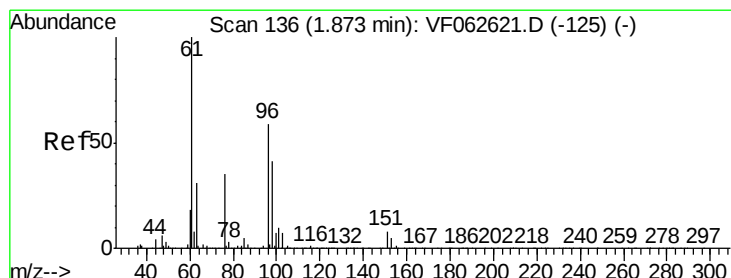
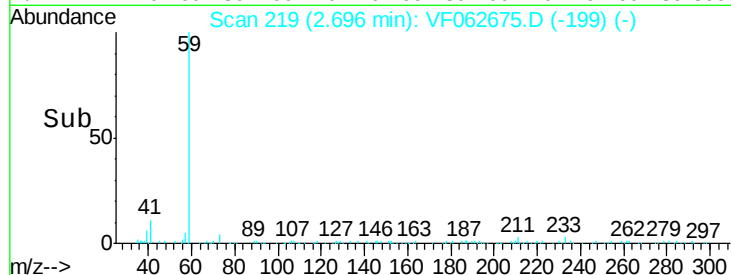
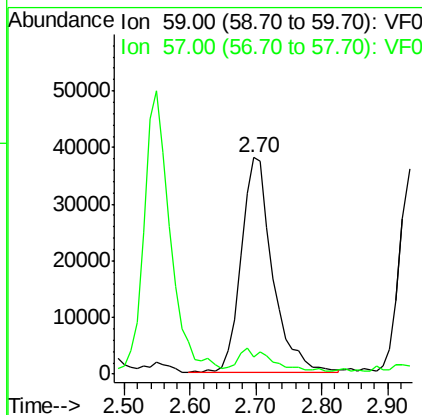
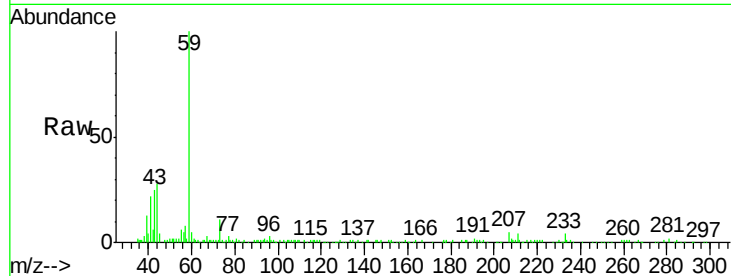
Tert butyl alcohol
Concen: 288.069 ug/l
RT: 2.70 min Scan# 219
Delta R.T. -0.00 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.1	9.3	13.9#

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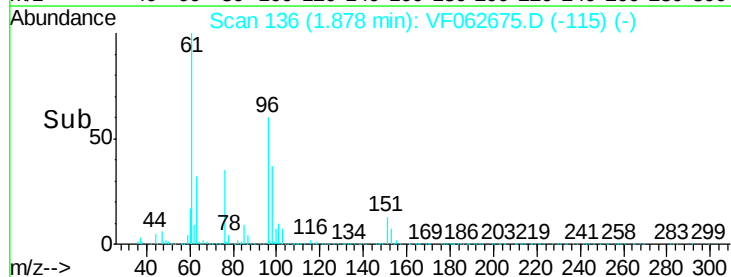
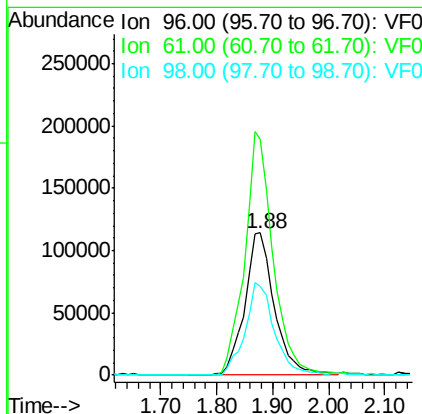
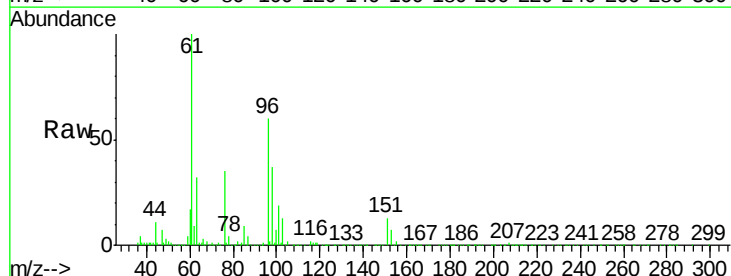
MMDadoda
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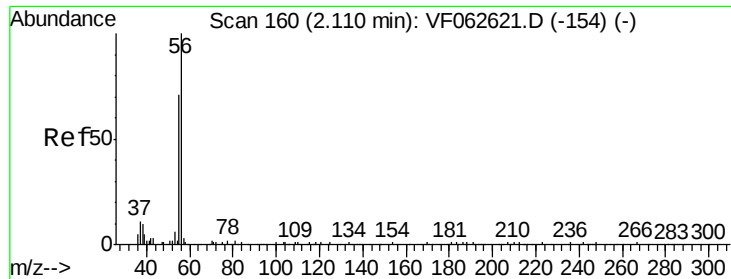


#12

1,1-Dichloroethene
Concen: 49.151 ug/l
RT: 1.88 min Scan# 136
Delta R.T. 0.00 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.5	134.3	201.5
98	61.9	55.0	82.6





#13

Acrolein

Concen: 228.708 ug/l

RT: 2.11 min Scan# 159

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 104578

Ion Ratio Lower Upper

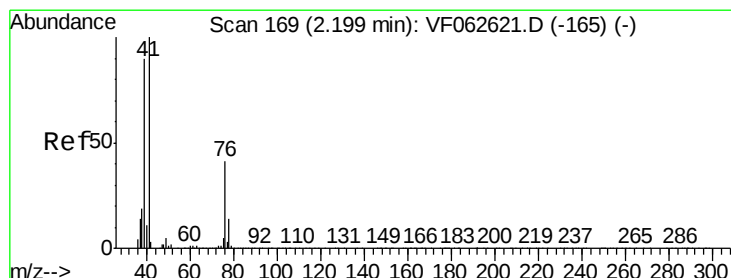
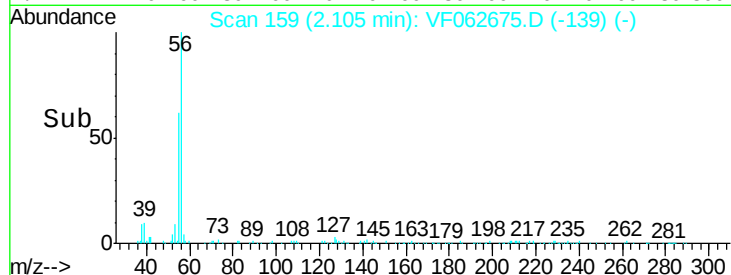
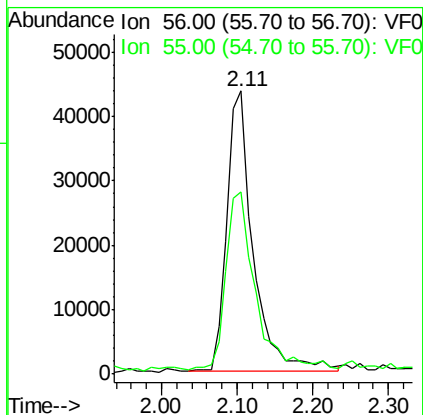
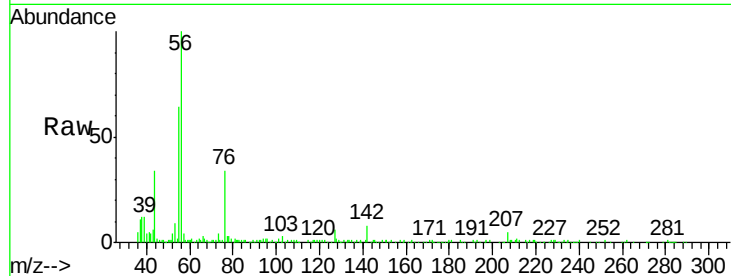
56 100

55 64.3 59.4 89.0

Manual Integrations
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#14

Allyl chloride

Concen: 50.415 ug/l m

RT: 2.20 min Scan# 169

Delta R.T. 0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

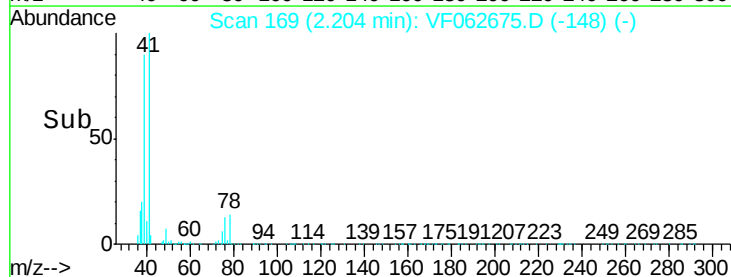
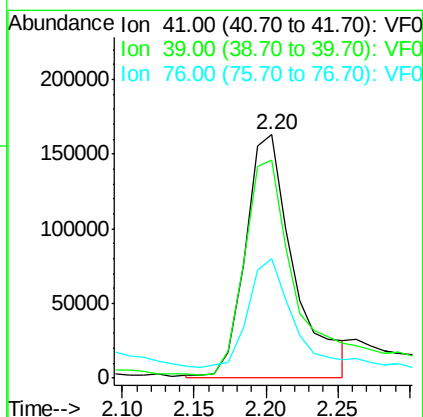
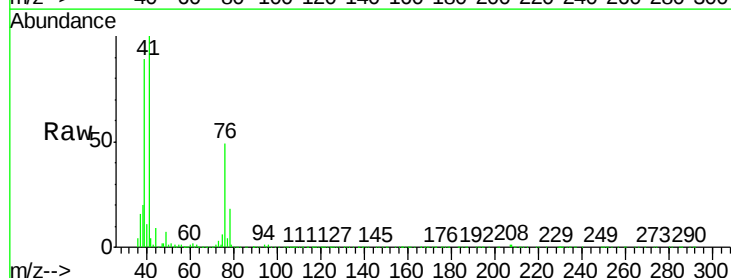
Tgt Ion: 41 Resp: 384857

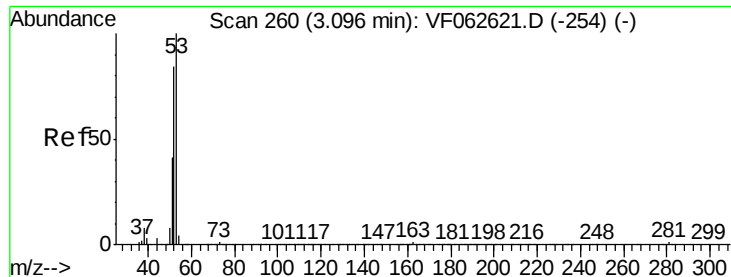
Ion Ratio Lower Upper

41 100

39 89.4 72.0 108.0

76 48.8 34.8 52.2





#15

Acrylonitrile

Concen: 233.594 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

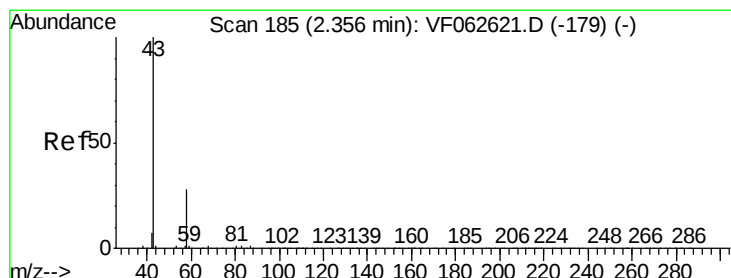
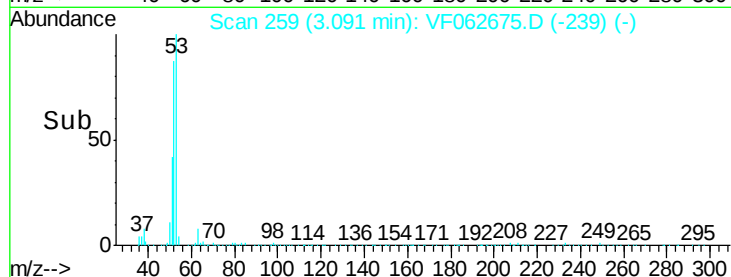
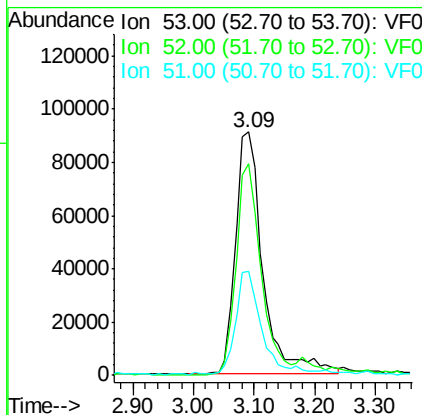
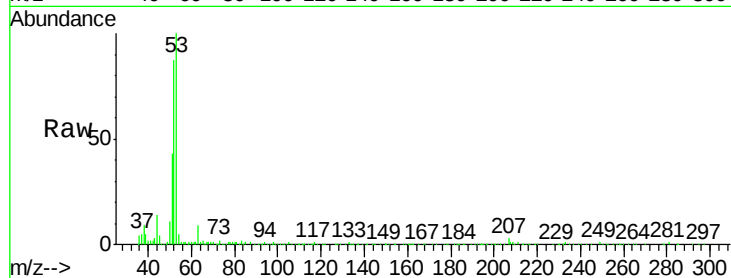
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	288640
Ion Ratio	Lower	Upper	
53	100		
52	86.8	67.3	100.9
51	42.5	33.0	49.6

Manual Integrations
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#16

Acetone

Concen: 296.968 ug/l

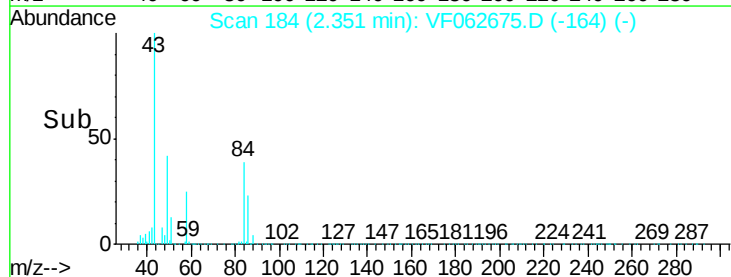
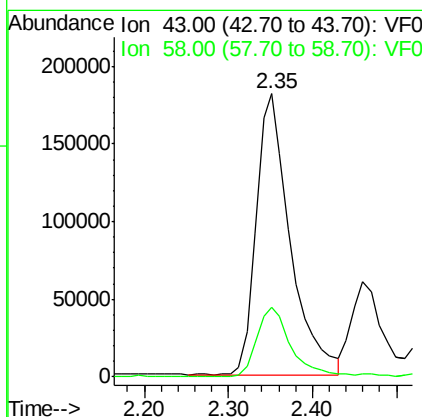
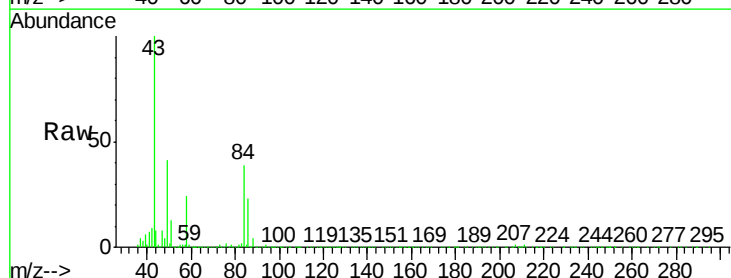
RT: 2.35 min Scan# 184

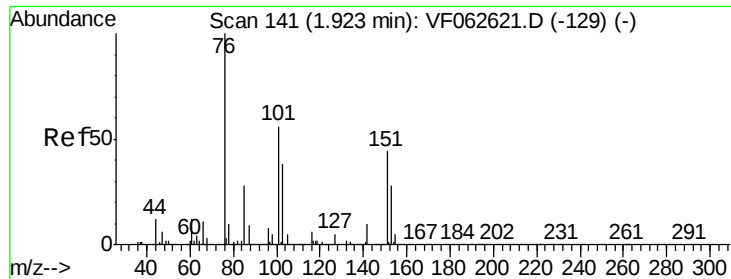
Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Tgt Ion:	43	Resp:	511177
Ion Ratio	Lower	Upper	
43	100		
58	24.4	22.6	33.8





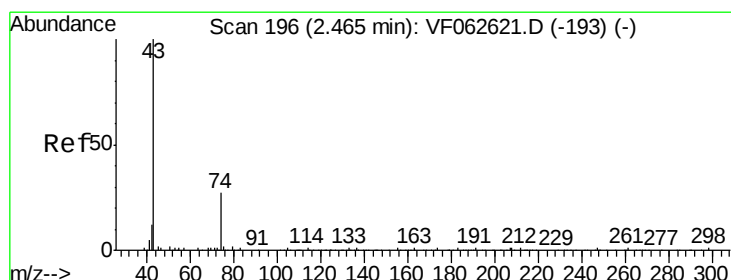
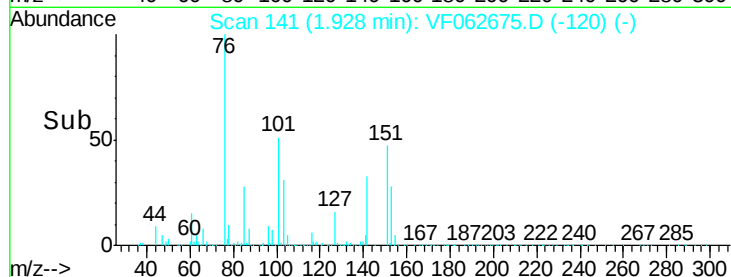
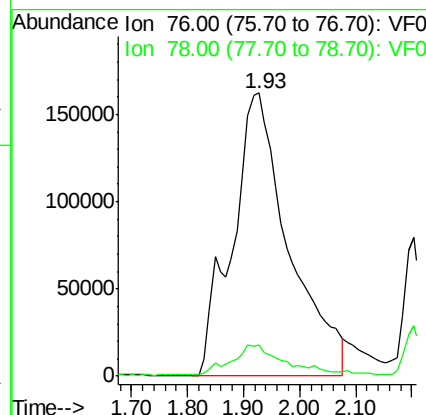
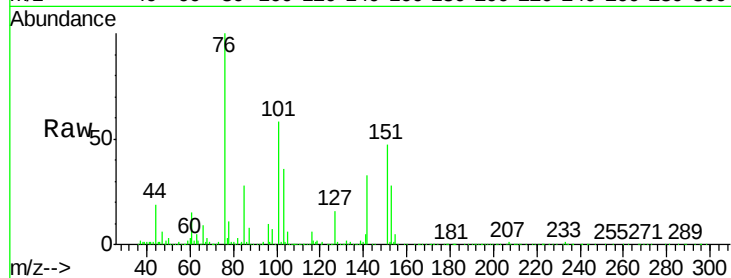
#17
Carbon Disulfide
Concen: 45.419 ug/l
RT: 1.93 min Scan# 141
Delta R.T. 0.00 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1135482
Ion Ratio Lower Upper
76 100
78 11.0 8.4 12.6

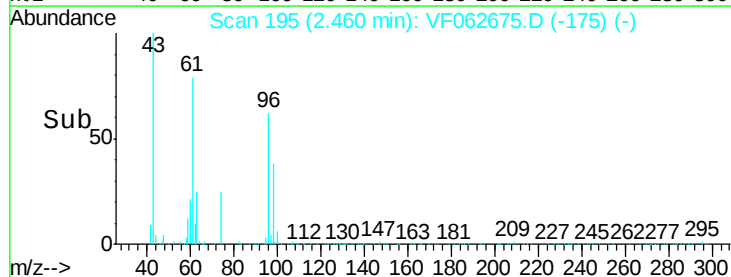
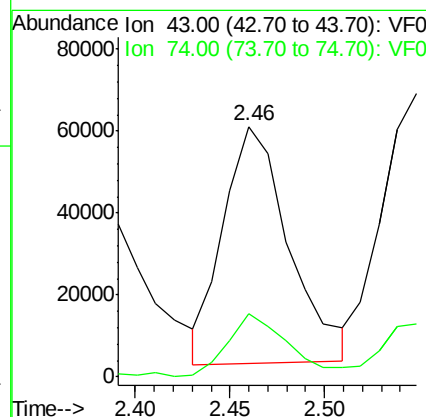
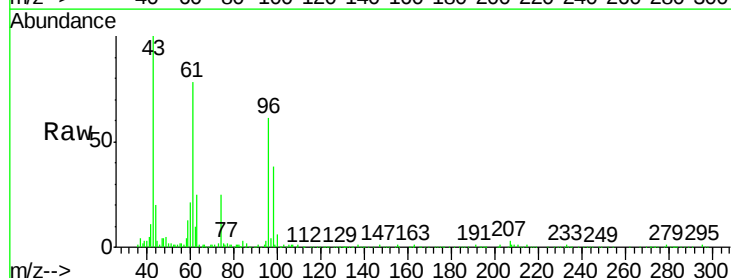
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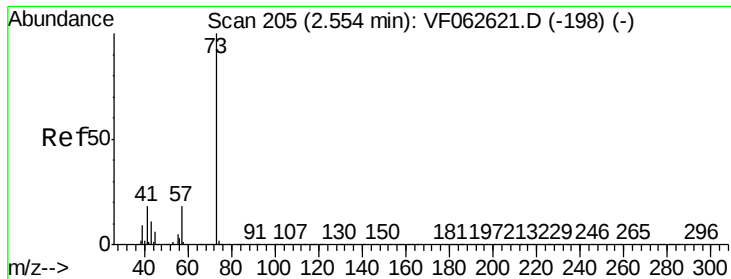
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#18
Methyl Acetate
Concen: 51.701 ug/l
RT: 2.46 min Scan# 195
Delta R.T. -0.00 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Tgt Ion: 43 Resp: 139847
Ion Ratio Lower Upper
43 100
74 25.4 18.9 28.3





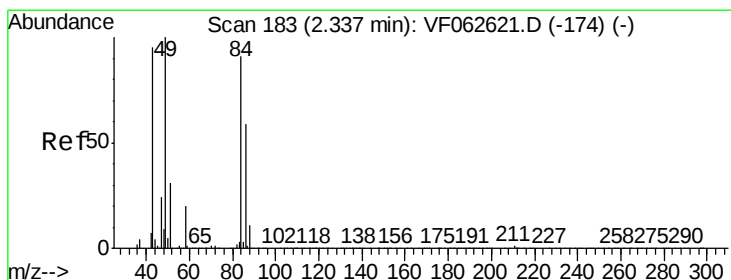
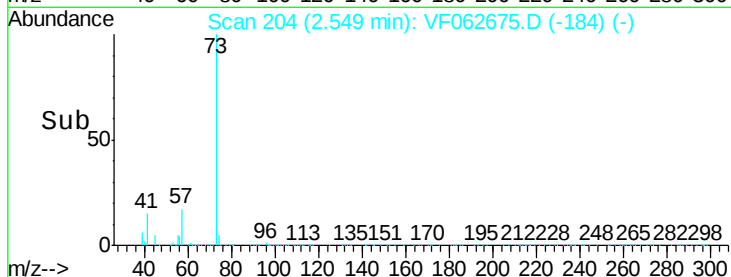
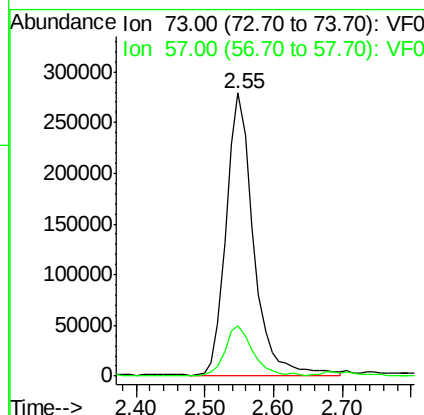
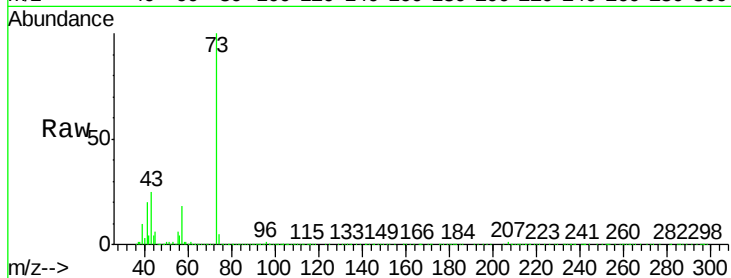
#19
Methvl tert-butvl Ether
Concen: 50.787 ug/l
RT: 2.55 min Scan# 204
Delta R.T. -0.00 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.9	14.2	21.4

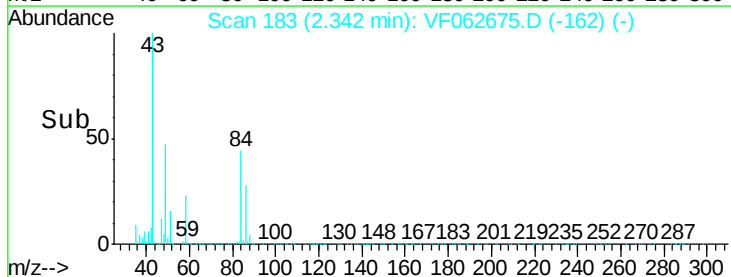
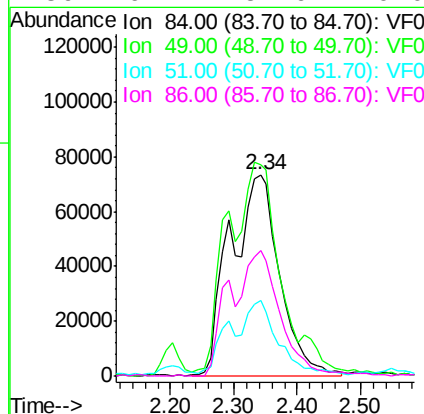
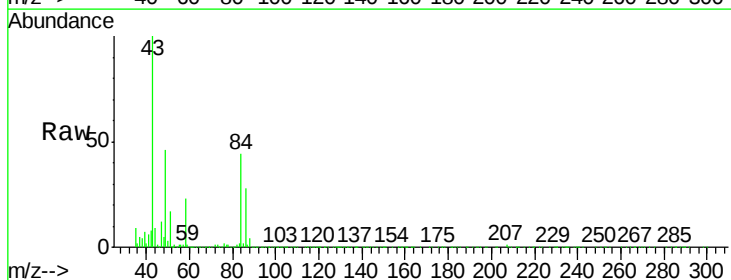
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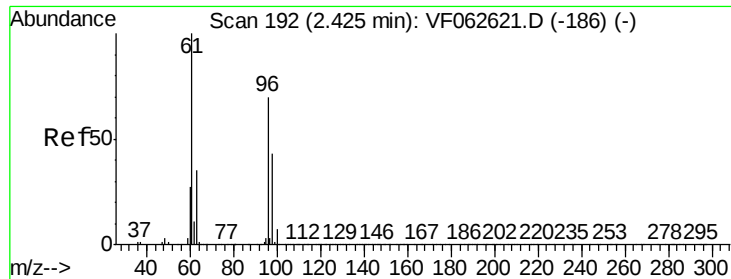
MMDadoda
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#20
Methylene Chloride
Concen: 46.090 ug/l m
RT: 2.34 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Tgt Ion	Ratio	Lower	Upper
84	100		
49	104.7	89.8	134.8
51	37.5	28.4	42.6
86	62.4	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 49.897 ug/l

RT: 2.42 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

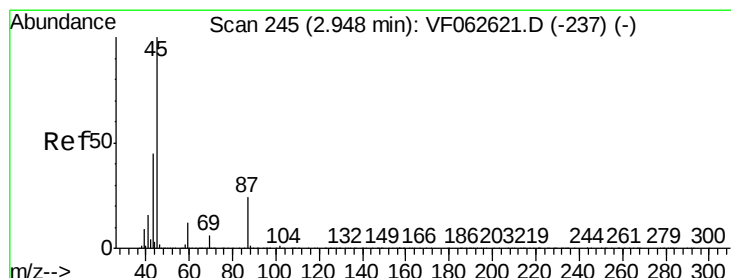
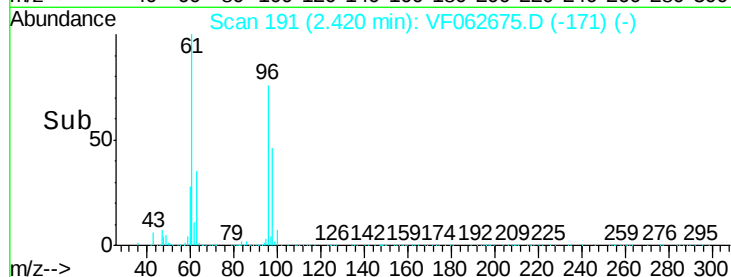
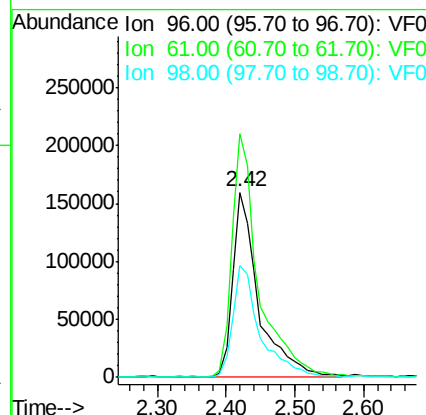
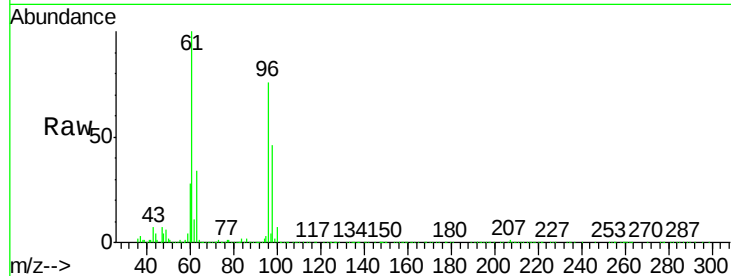
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	411359
Ion	Ratio	Lower	Upper
96	100		
61	131.6	114.6	171.8
98	60.7	49.5	74.3

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#22

Diisopropyl ether

Concen: 50.086 ug/l

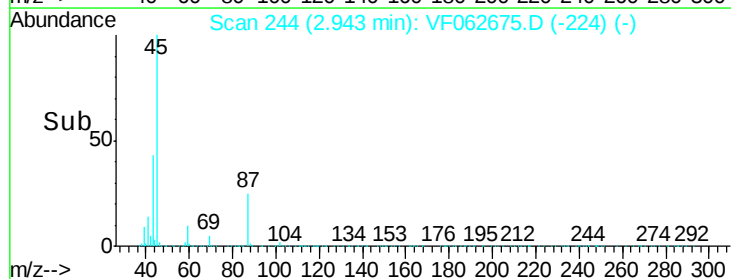
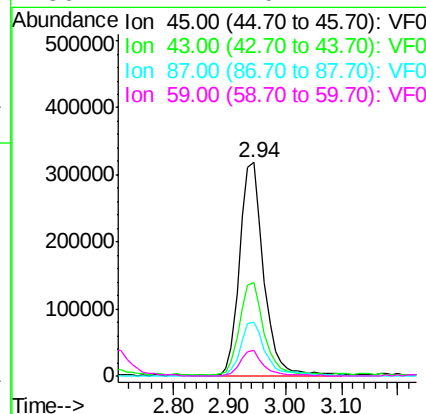
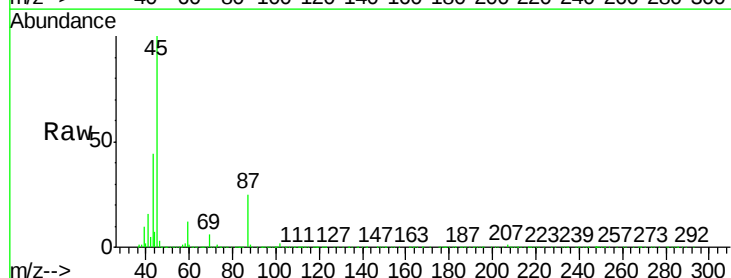
RT: 2.94 min Scan# 244

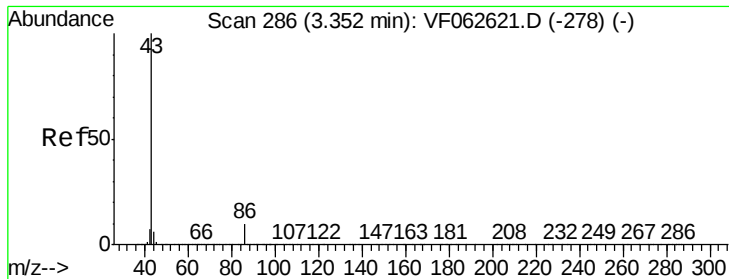
Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Tgt Ion:	45	Resp:	943012
Ion	Ratio	Lower	Upper
45	100		
43	43.6	36.4	54.6
87	25.1	19.3	28.9
59	12.1	9.4	14.2





#23

Vinyl Acetate

Concen: 248.864 ug/l

RT: 3.35 min Scan# 285

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3160782

Ion Ratio Lower Upper

43 100

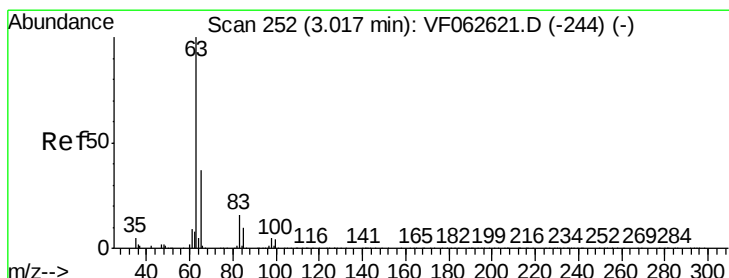
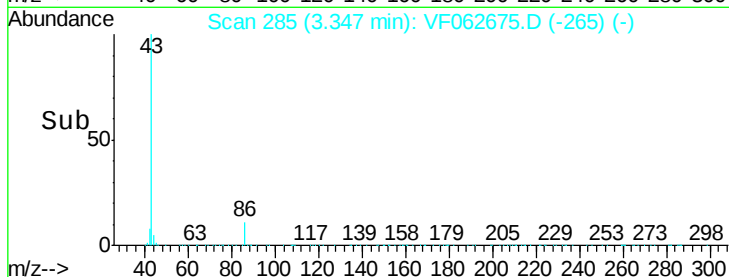
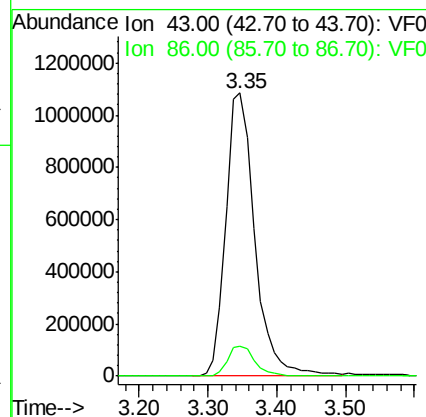
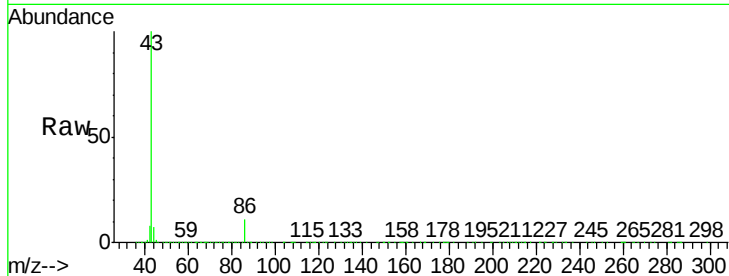
86 10.7 8.2 12.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.620 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.01 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

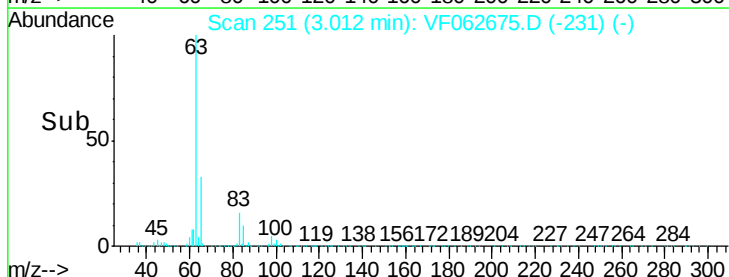
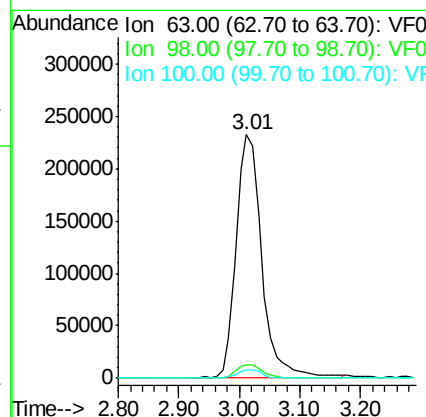
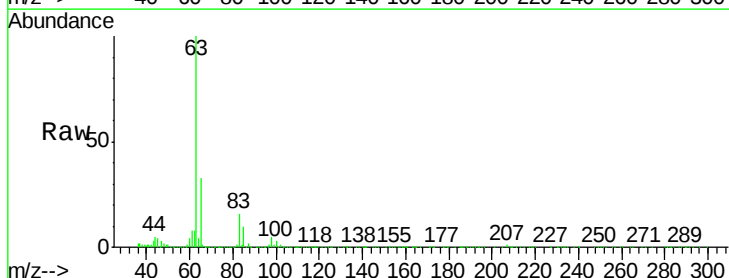
Tgt Ion: 63 Resp: 685364

Ion Ratio Lower Upper

63 100

98 5.3 2.8 8.3

100 3.4 1.9 5.7





#25

2-Butanone

Concen: 277.409 ug/l

RT: 4.53 min Scan# 405

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1020197

Ion Ratio Lower Upper

43 100

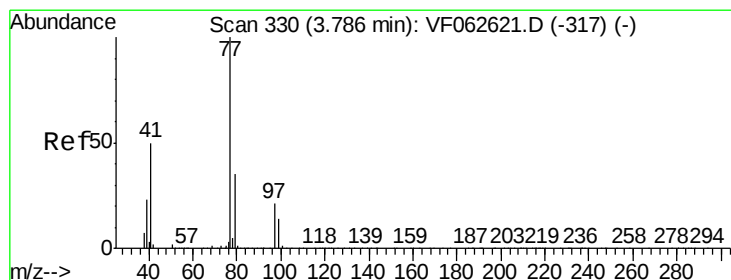
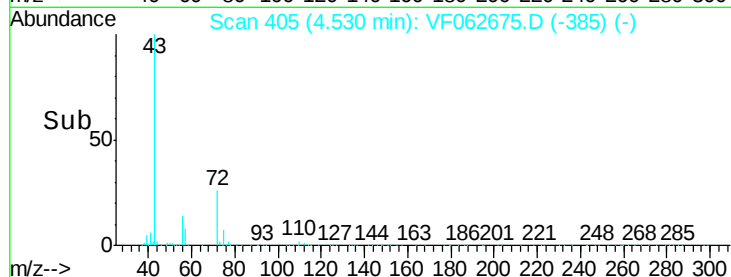
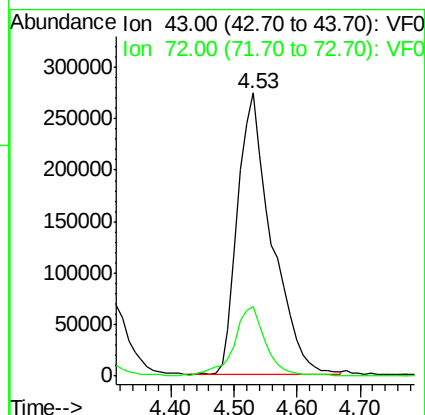
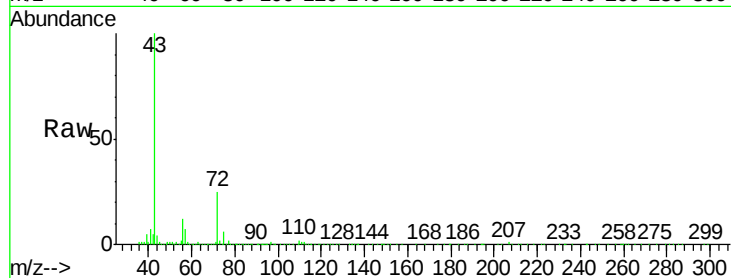
72 24.8 20.1 30.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 52.877 ug/l

RT: 3.78 min Scan# 329

Delta R.T. -0.00 min

Lab File: VF062675.D

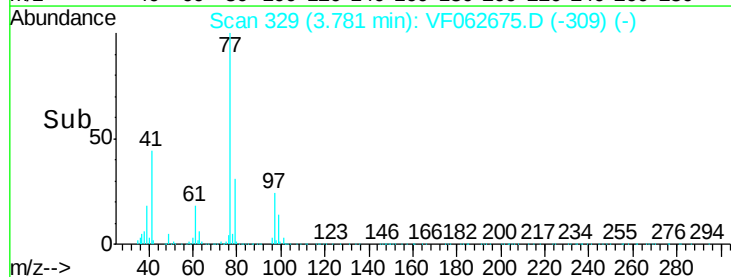
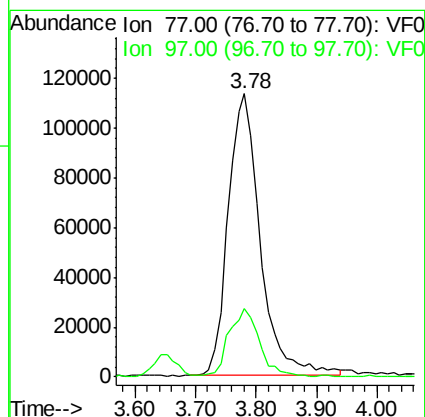
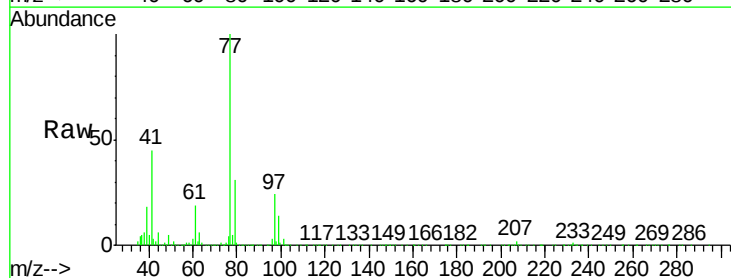
Acq: 21 May 2019 10:21

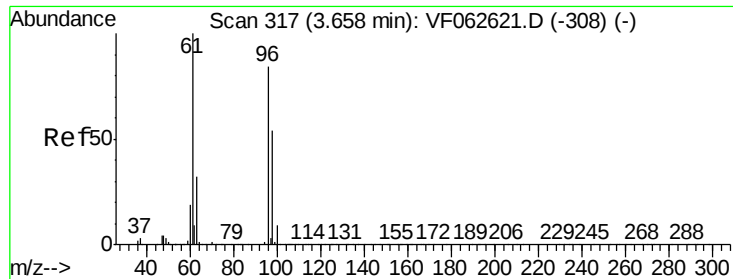
Tgt Ion: 77 Resp: 417878

Ion Ratio Lower Upper

77 100

97 24.4 14.1 42.4





#27

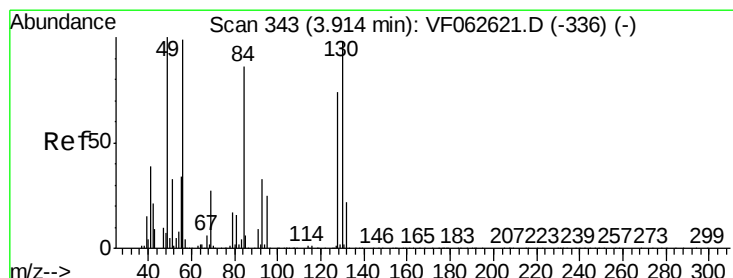
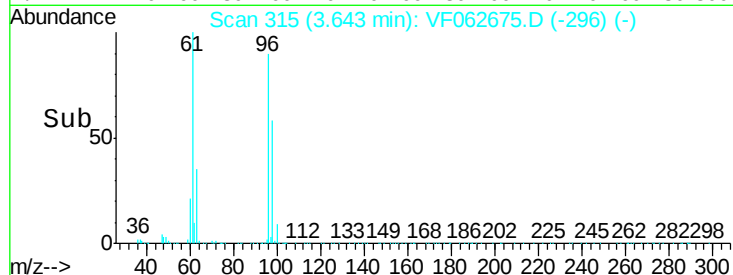
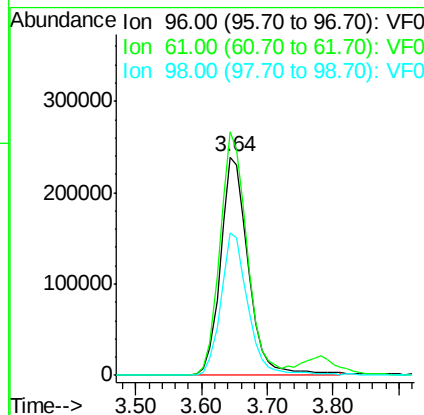
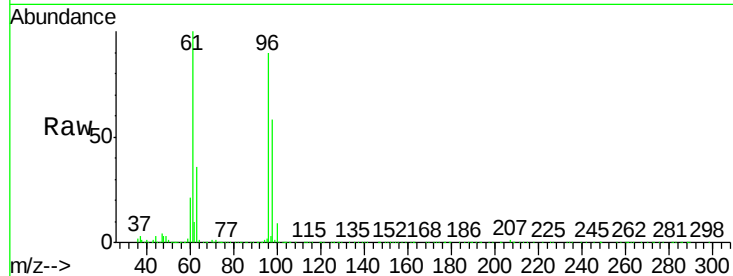
cis-1,2-Dichloroethene
Concen: 51.463 ug/l
RT: 3.64 min Scan# 315
Delta R.T. -0.01 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	697889		
61	111.4	0.0	237.4	
98	64.9	0.0	129.0	

Manual Integrations
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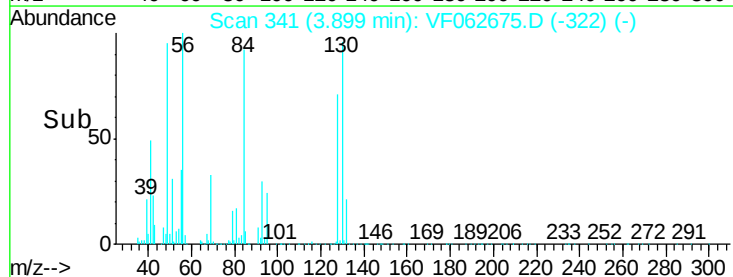
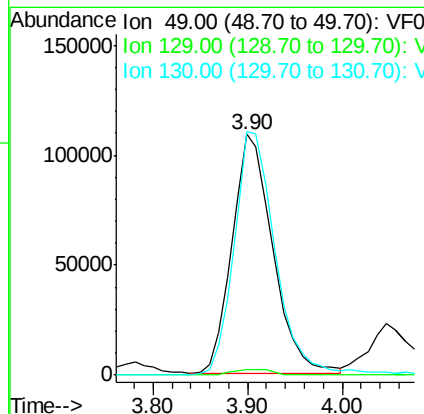
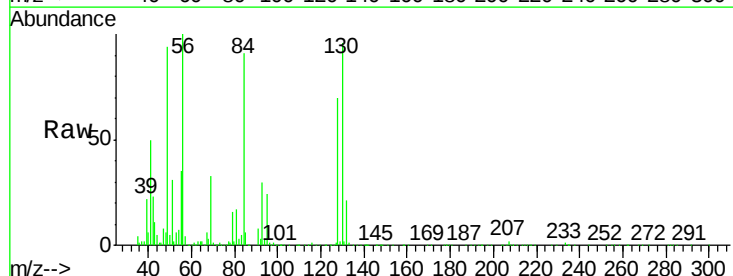
MMDadoda
5/22/2019 4:20:49 PM

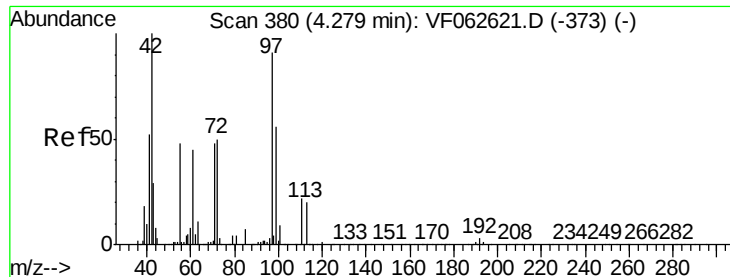


#28

Bromochloromethane
Concen: 41.930 ug/l
RT: 3.90 min Scan# 341
Delta R.T. -0.01 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	324810		
129	2.5	0.0	4.0	
130	101.3	77.8	116.8	





#29

Tetrahydrofuran

Concen: 260.759 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.01 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

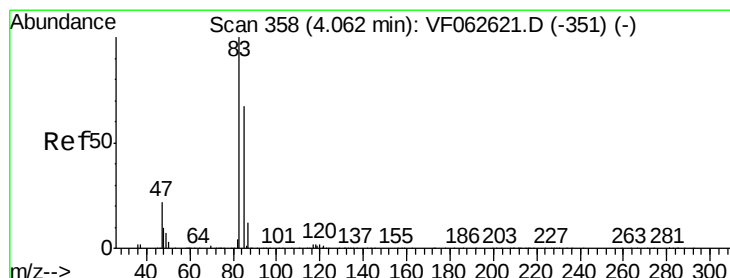
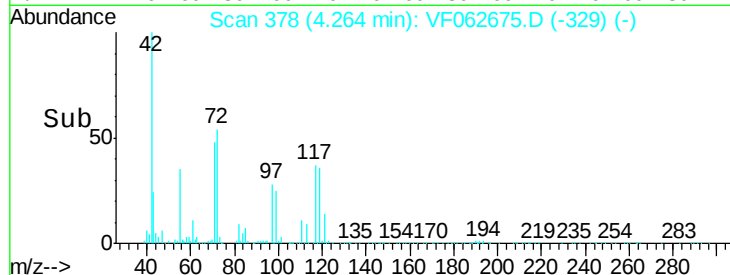
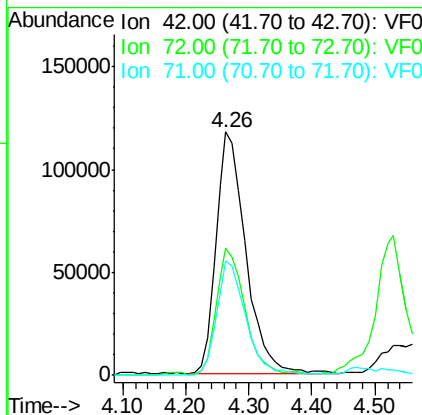
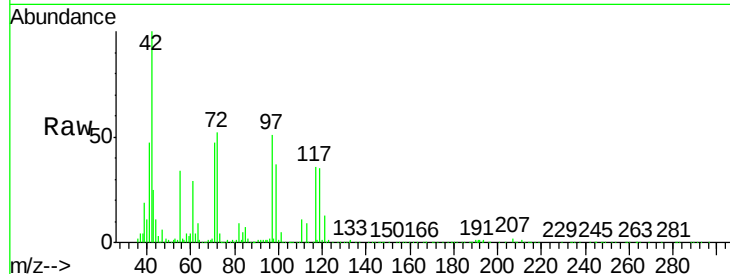
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	388060
Ion Ratio		Lower	Upper
42	100		
72	50.0	38.2	57.2
71	46.4	35.8	53.6

Manual Integrations
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5/22/2019 4:20:49 PM



#30

Chloroform

Concen: 49.540 ug/l

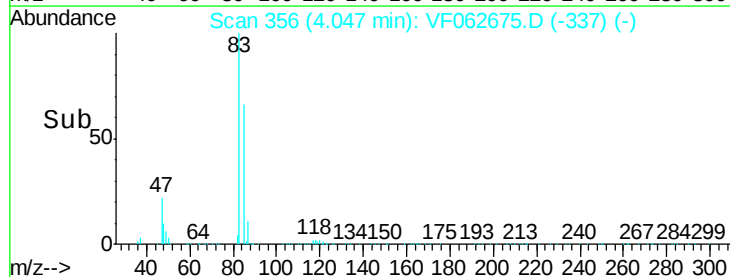
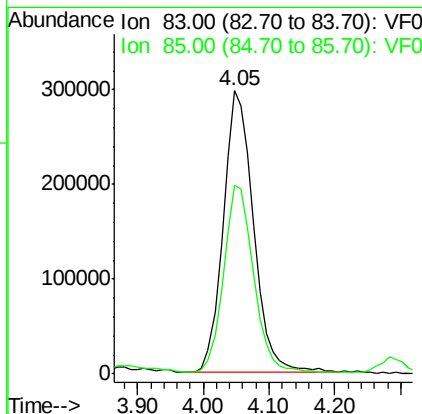
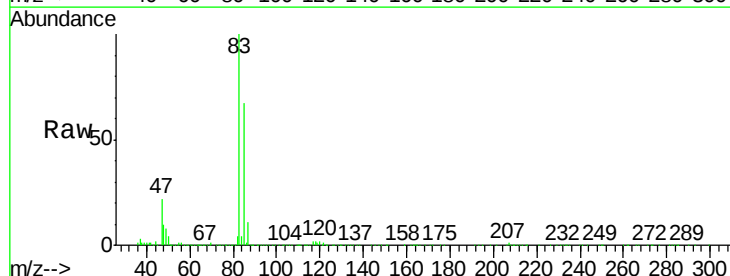
RT: 4.05 min Scan# 356

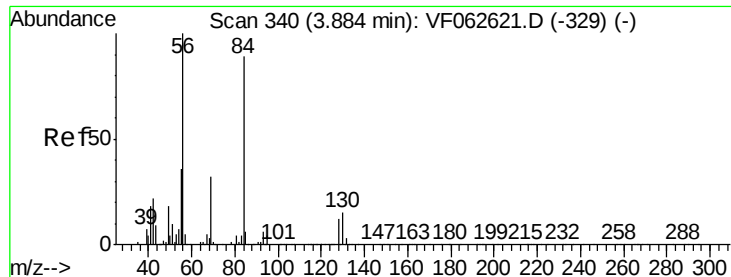
Delta R.T. -0.01 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Tgt Ion:	83	Resp:	950027
Ion Ratio		Lower	Upper
83	100		
85	66.8	53.6	80.4





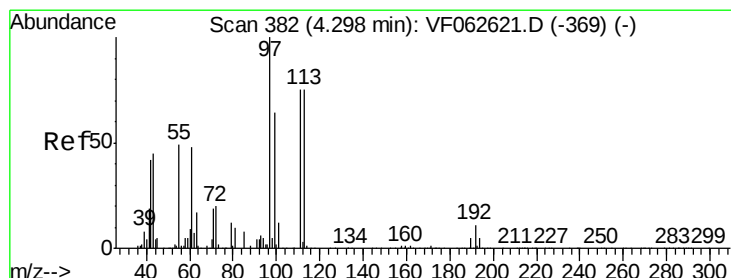
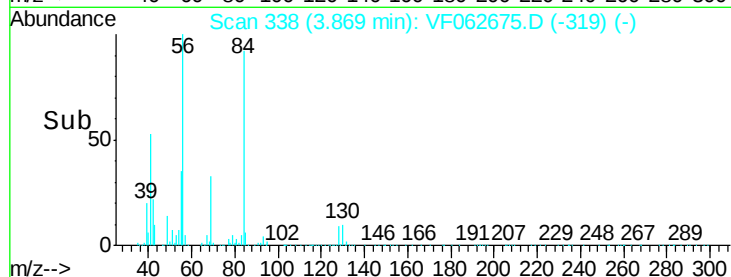
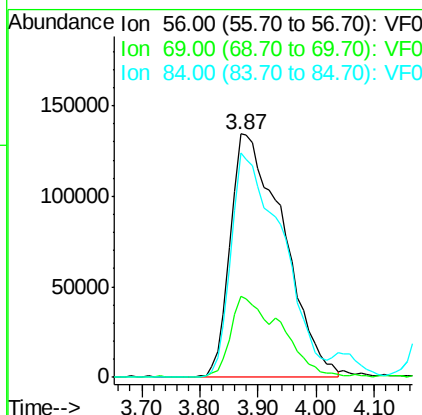
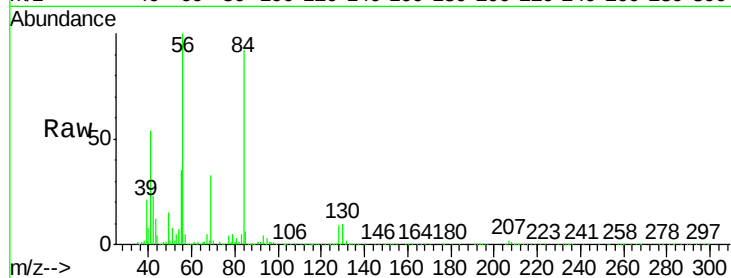
#31
Cvclohexane
Concen: 45.870 ug/l
RT: 3.87 min Scan# 338
Delta R.T. -0.01 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.3	25.3	37.9
84	91.9	71.0	106.4

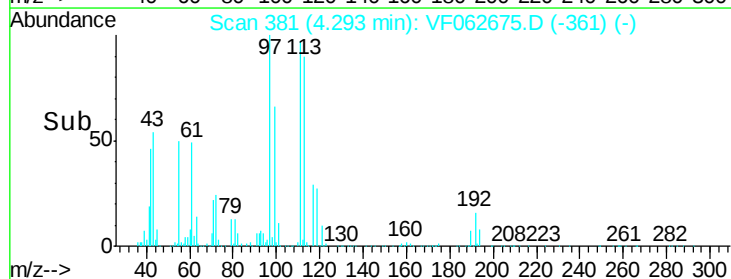
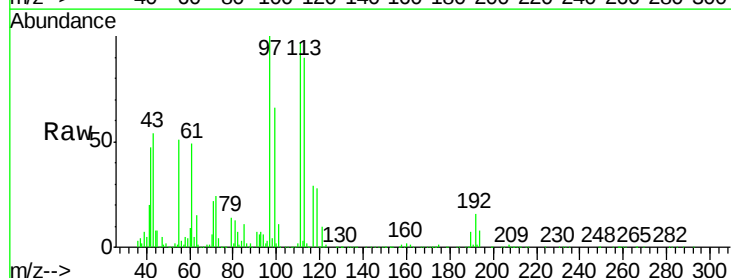
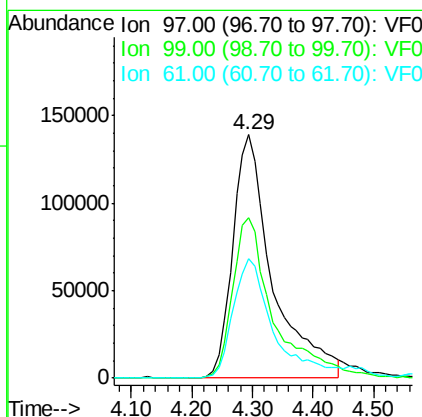
Manual Integrations
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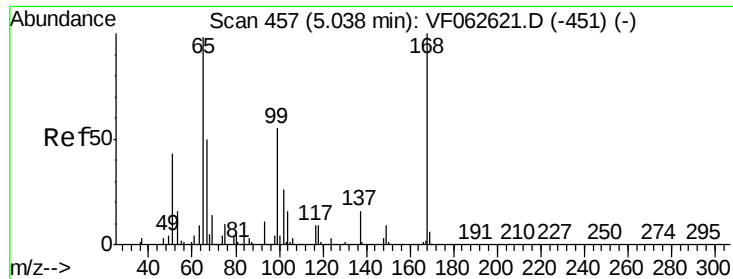
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#32
1,1,1-Trichloroethane
Concen: 50.139 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.00 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.1	51.3	76.9
61	49.2	38.2	57.2





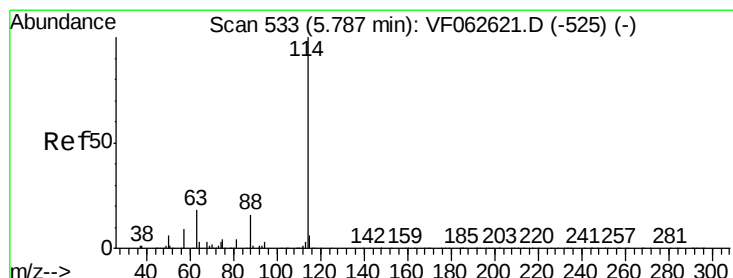
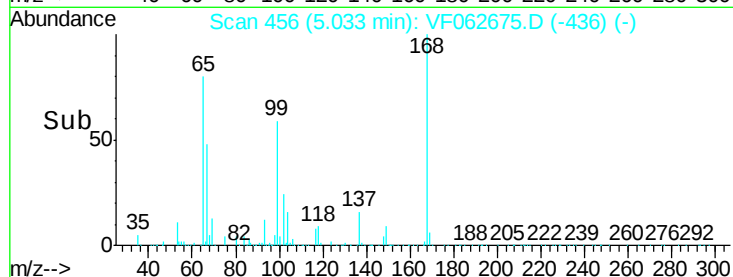
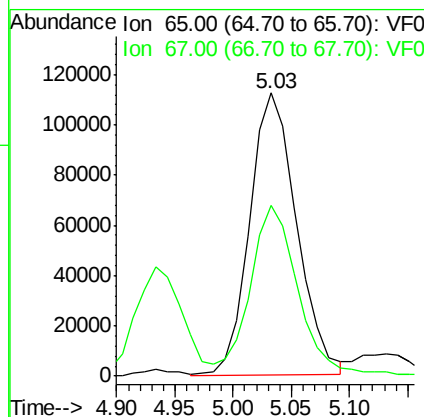
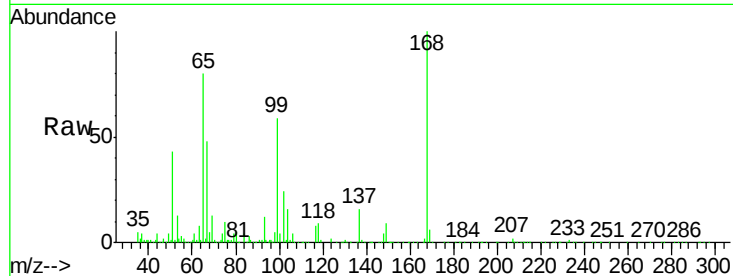
#33
 1,2-Dichloroethane-d4
 Concen: 46.980 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. -0.00 min
 Lab File: VF062675.D
 Acq: 21 May 2019 10:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	311709		
67	60.3	0.0	117.6	

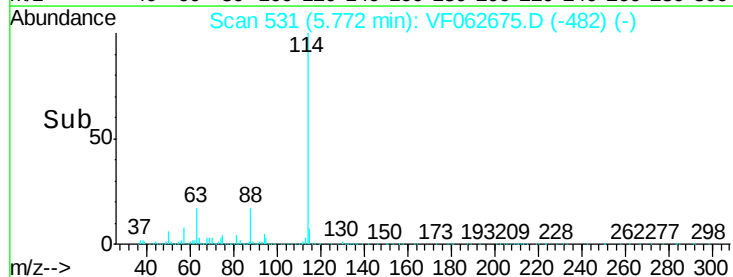
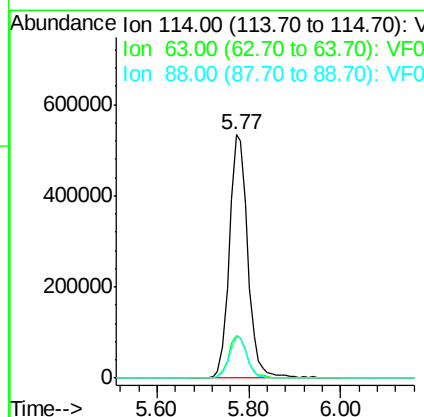
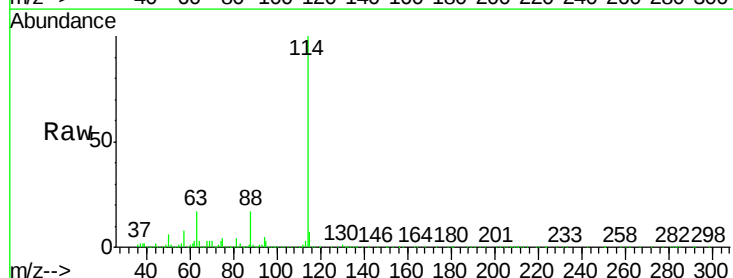
Manual Integrations
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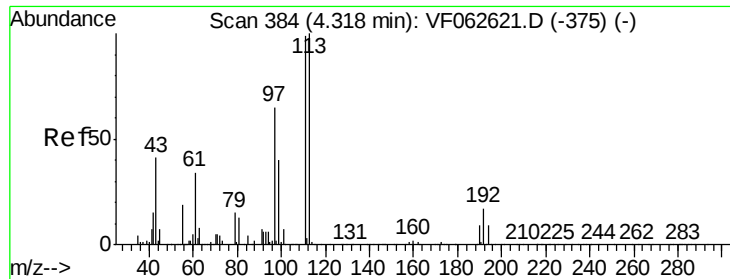
MMDadoda
 5/22/2019 4:20:49 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VF062675.D
 Acq: 21 May 2019 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1489740		
63	17.4	0.0	35.4	
88	16.8	0.0	32.4	





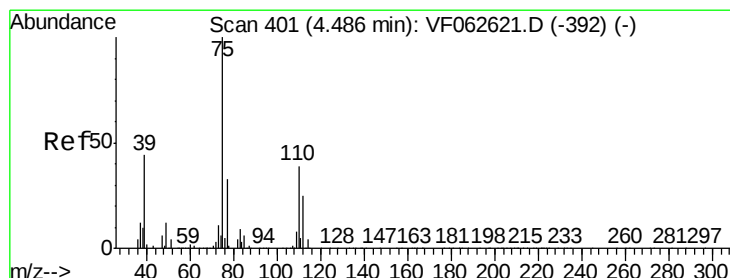
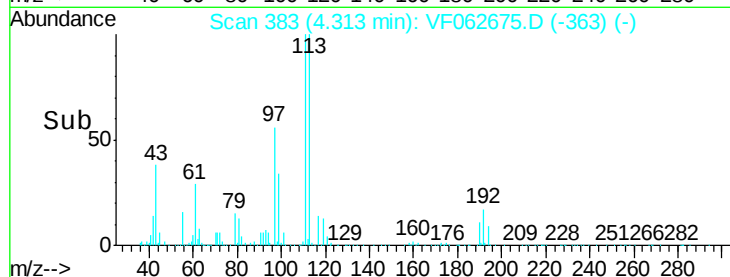
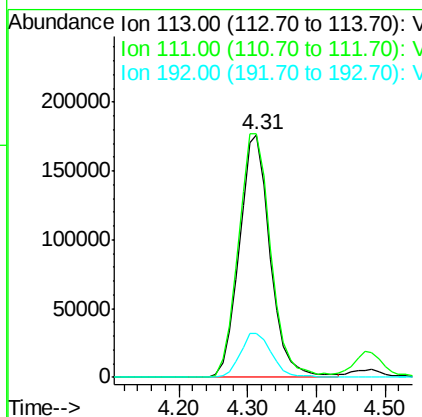
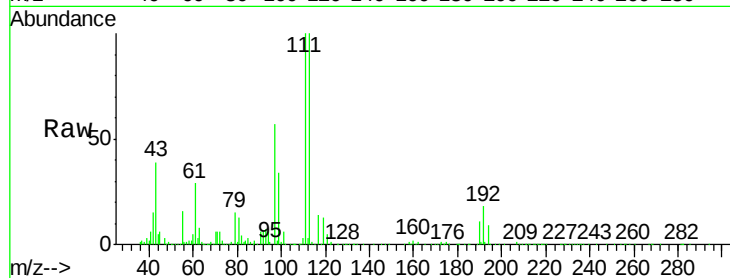
#35
Dibromofluoromethane
Concen: 48.079 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.01 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	548074		
111	100.3	79.4	119.2	
192	18.1	13.4	20.2	

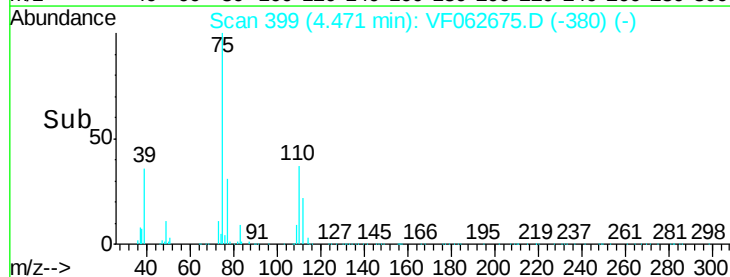
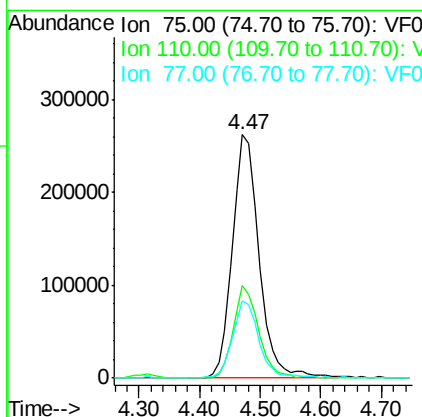
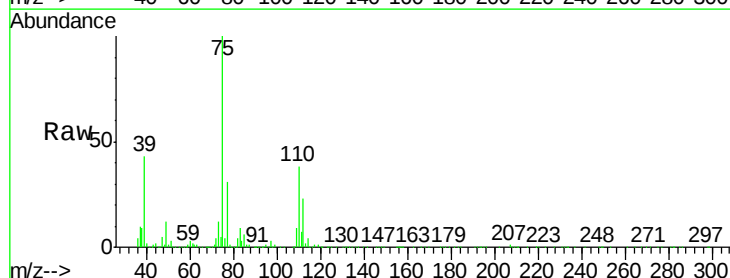
Manual Integrations
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#36
1,1-Dichloropropene
Concen: 52.685 ug/l
RT: 4.47 min Scan# 399
Delta R.T. -0.01 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	804253		
110	37.9	19.7	59.1	
77	31.5	26.3	39.5	





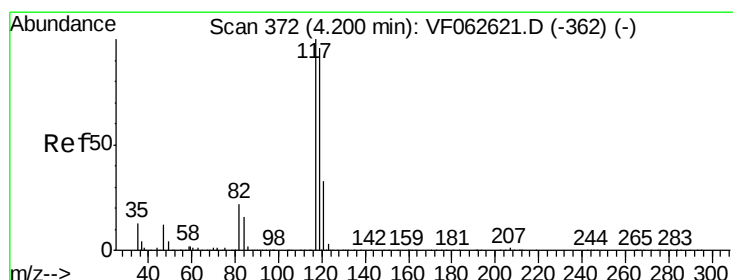
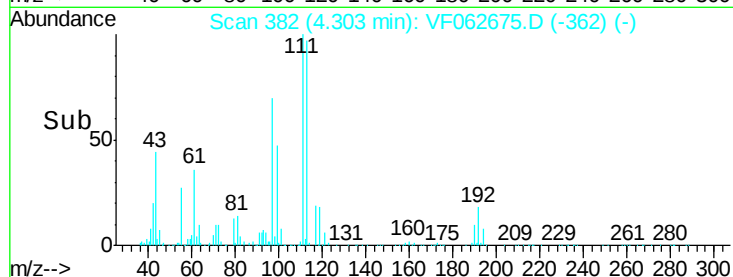
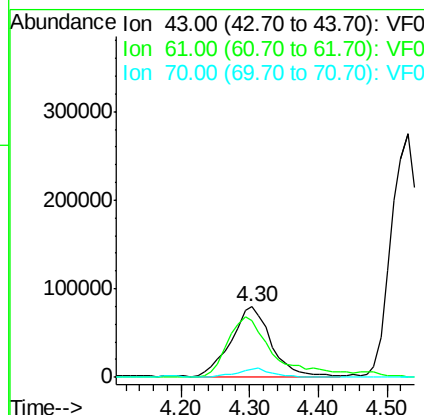
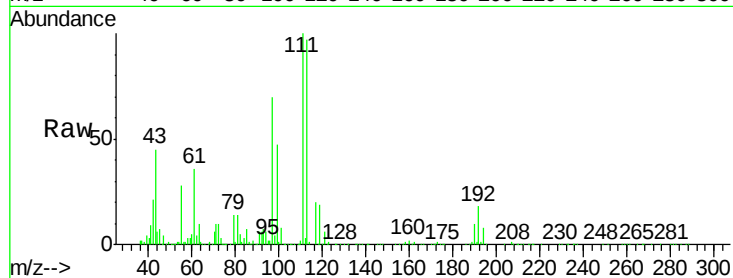
#37
Ethyl Acetate
Concen: 50.570 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.00 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	80.3	76.9	115.3
70	12.3	8.8	13.2

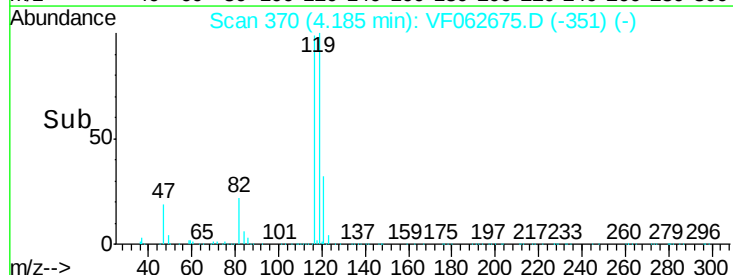
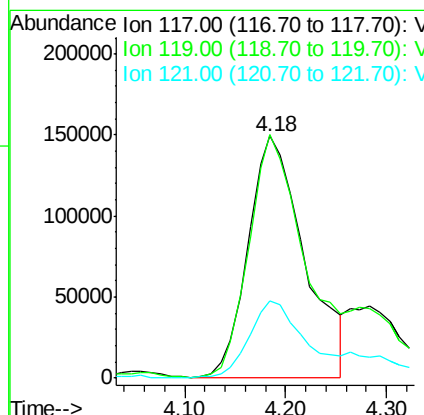
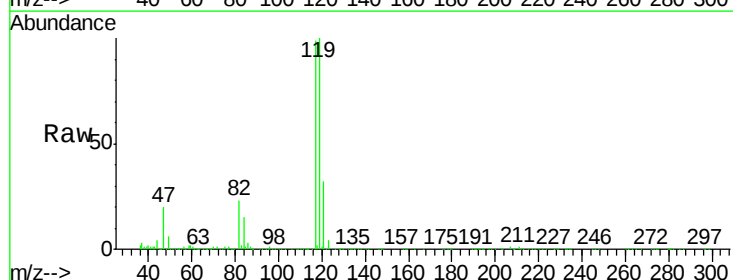
Manual Integrations
APPROVED

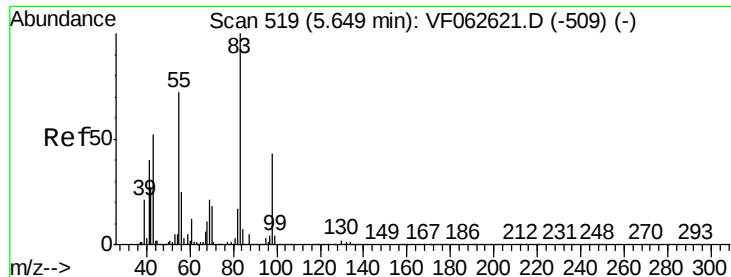
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#38
Carbon Tetrachloride
Concen: 50.434 ug/l
RT: 4.18 min Scan# 370
Delta R.T. -0.01 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.5	76.7	115.1
121	31.8	26.6	40.0





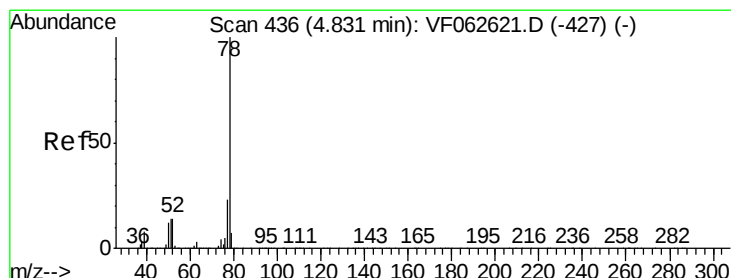
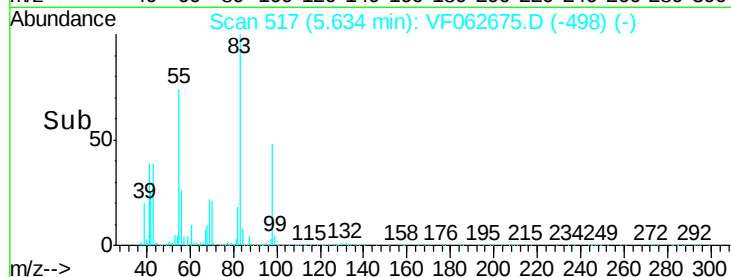
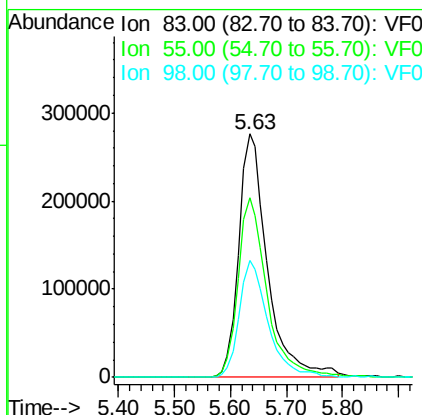
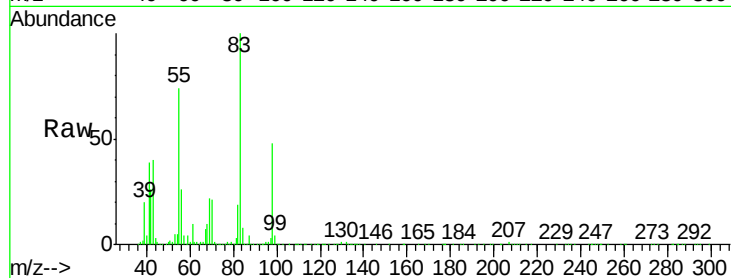
#39
Methvlcvclohexane
Concen: 53.414 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.01 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.8	57.9	86.9
98	48.0	34.6	52.0

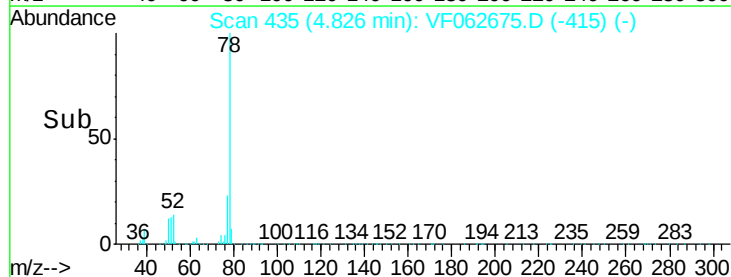
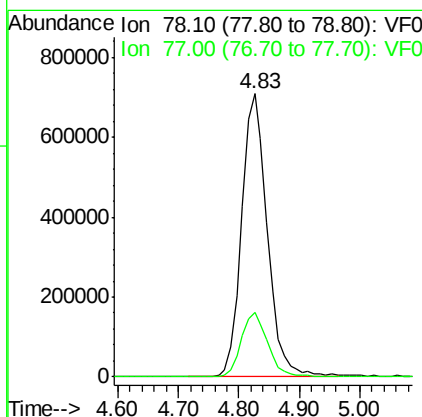
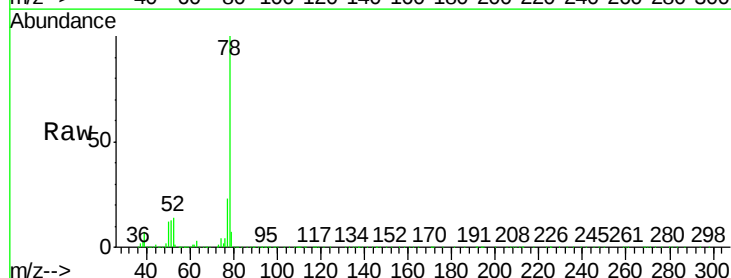
Manual Integrations
APPROVED

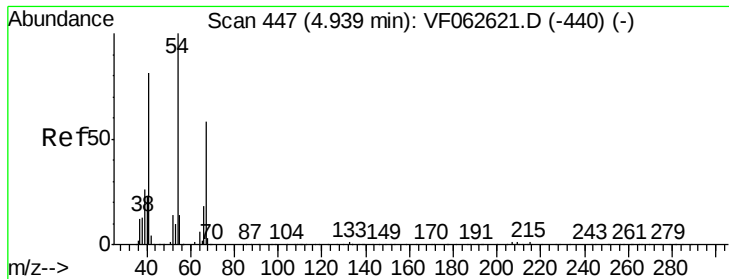
MMDadoda
5/22/2019 4:20:49 PM



#40
Benzene
Concen: 50.127 ug/l
RT: 4.83 min Scan# 435
Delta R.T. -0.00 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.2	27.2





#41

Methacrylonitrile

Concen: 52.992 ug/l

RT: 4.93 min Scan# 446

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

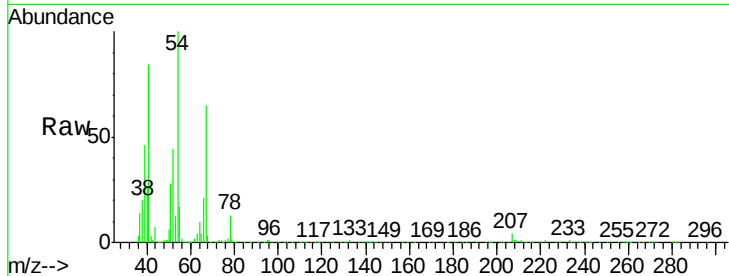
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.2	42.2	63.2
67	78.1	56.4	84.6
52	52.5	38.8	58.2

Manual Integrations
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MMDadoda
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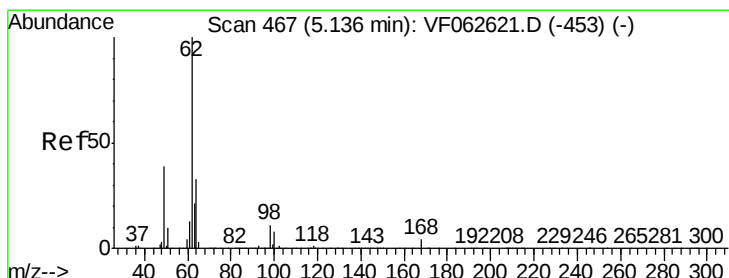
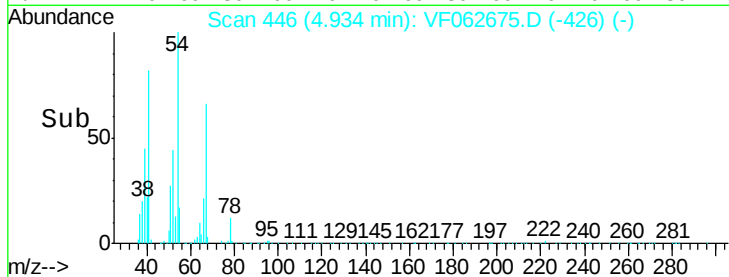
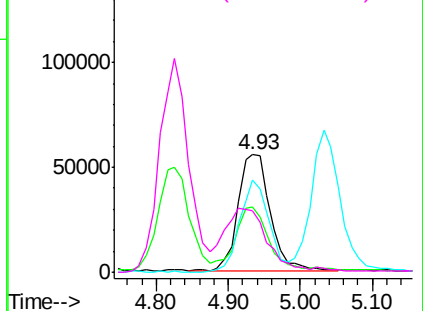


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 55.114 ug/l

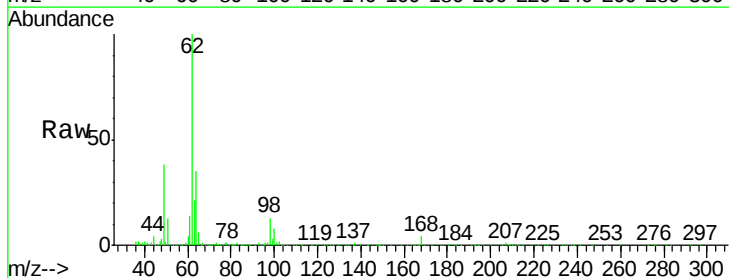
RT: 5.13 min Scan# 466

Delta R.T. -0.00 min

Lab File: VF062675.D

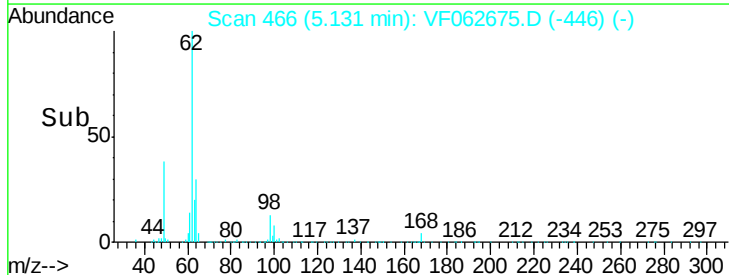
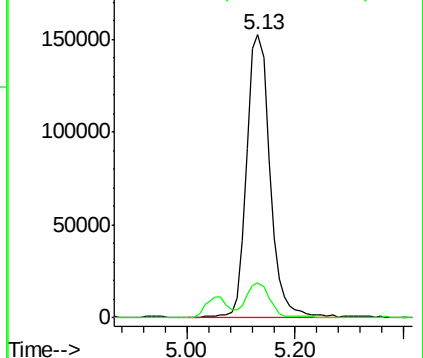
Acq: 21 May 2019 10:21

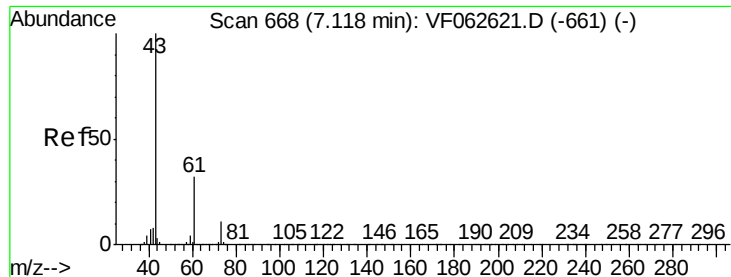
Tgt Ion	Ratio	Lower	Upper
62	100		
98	12.6	0.0	21.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

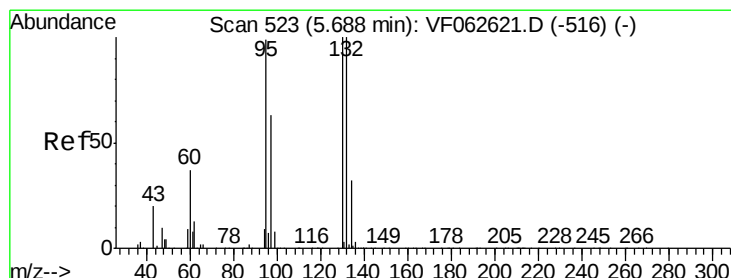
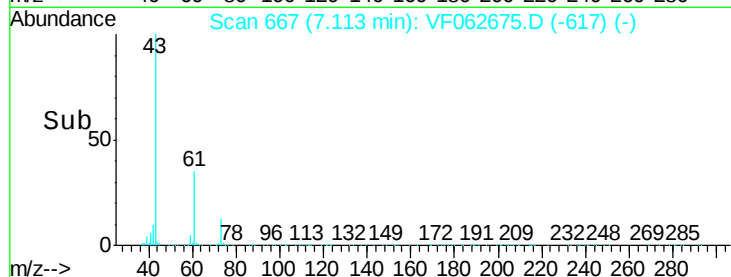
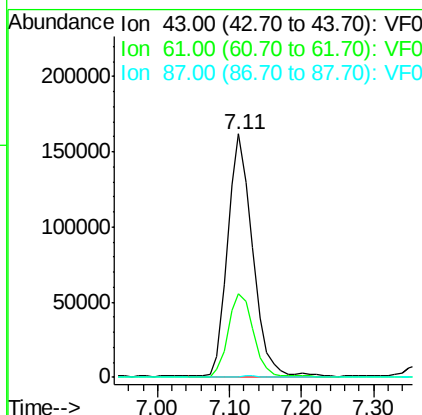
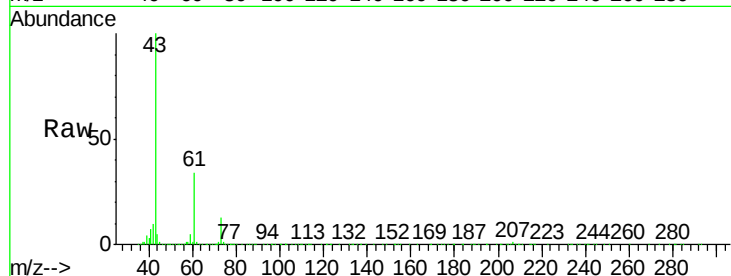
Isopropyl Acetate
 Concen: 48.212 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: VF062675.D
 Acq: 21 May 2019 10:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	34.3	25.8	38.8
87	0.3	0.4	0.6

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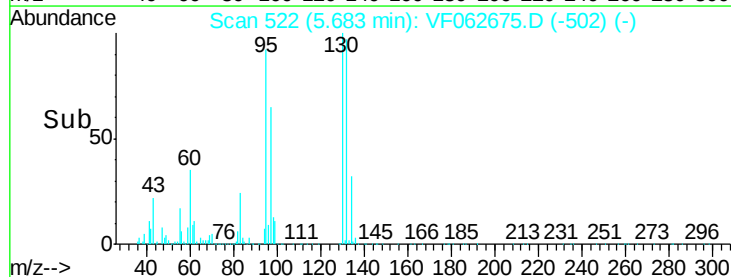
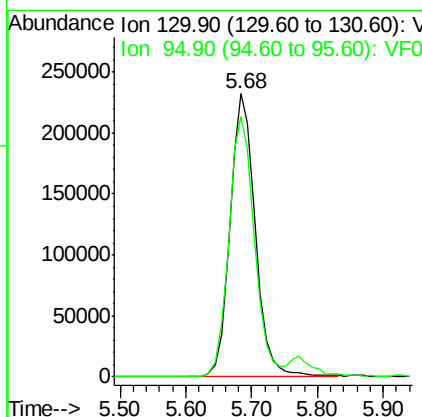
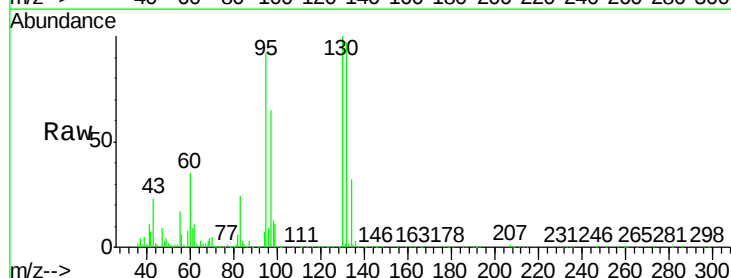
MMDadoda
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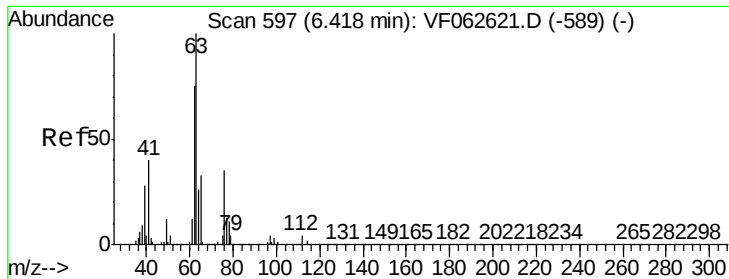


#44

Trichloroethene
 Concen: 53.384 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. -0.00 min
 Lab File: VF062675.D
 Acq: 21 May 2019 10:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.9	0.0	199.4





#45

1,2-Dichloropropane

Concen: 51.252 ug/l

RT: 6.41 min Scan# 596

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 538042

Ion Ratio Lower Upper

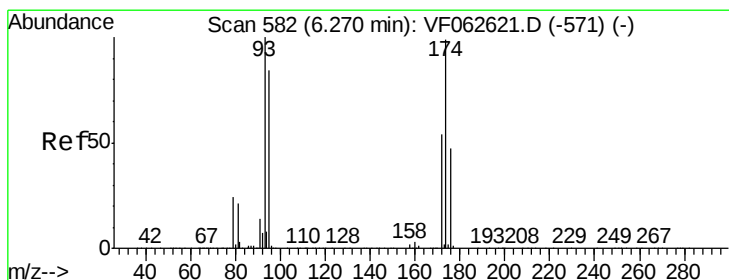
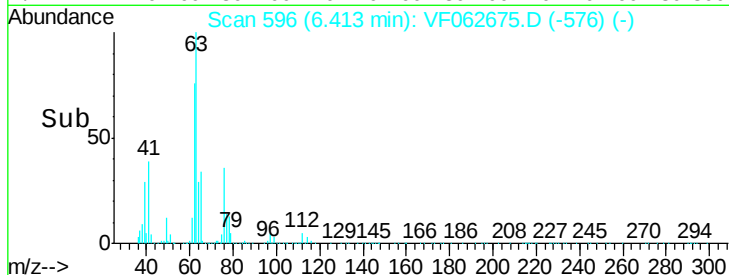
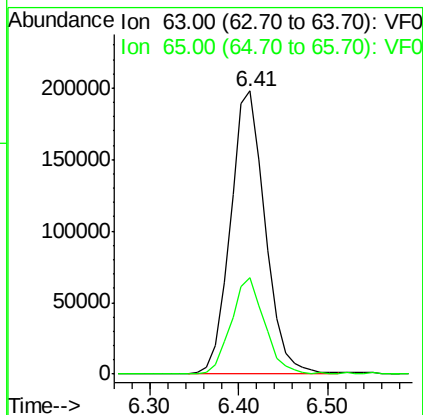
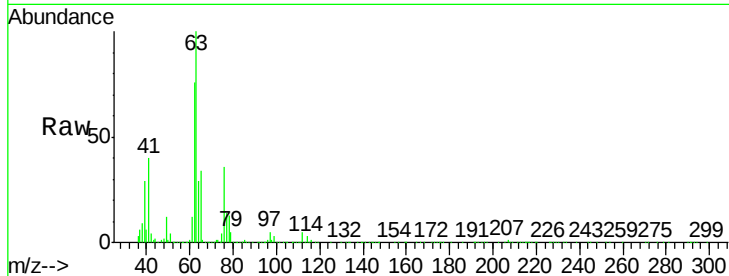
63 100

65 34.0 26.3 39.5

Manual Integrations
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5/22/2019 4:20:49 PM



#46

Dibromomethane

Concen: 56.397 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.01 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

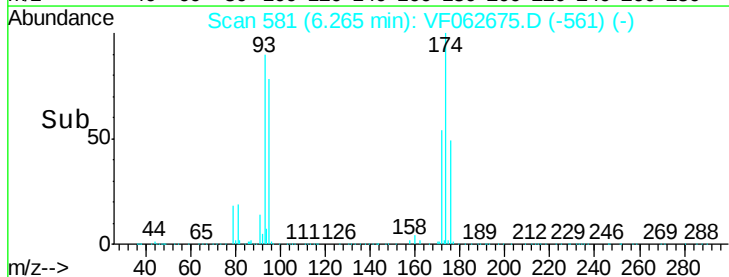
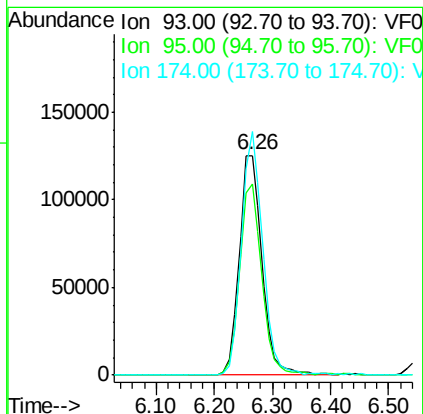
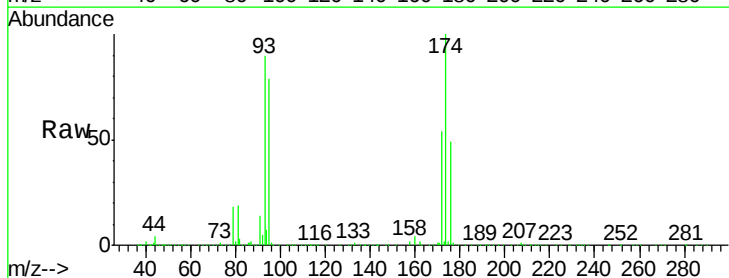
Tgt Ion: 93 Resp: 342164

Ion Ratio Lower Upper

93 100

95 87.1 67.4 101.2

174 110.8 79.4 119.2





#47

Bromodichloromethane

Concen: 54.965 ug/l

RT: 6.55 min Scan# 610

Delta R.T. -0.01 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

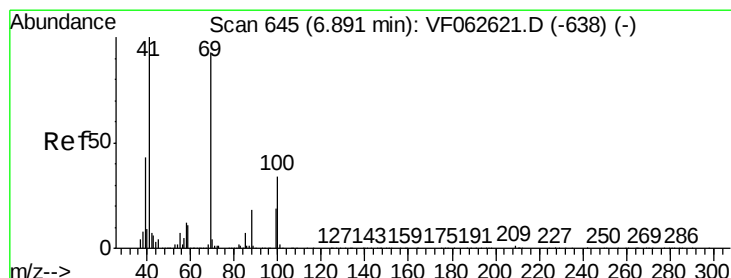
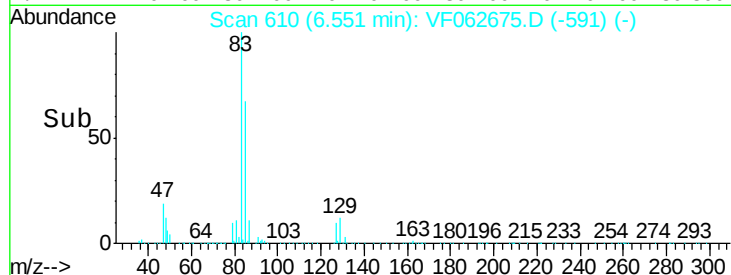
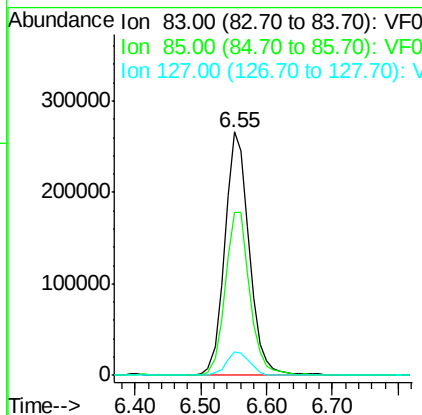
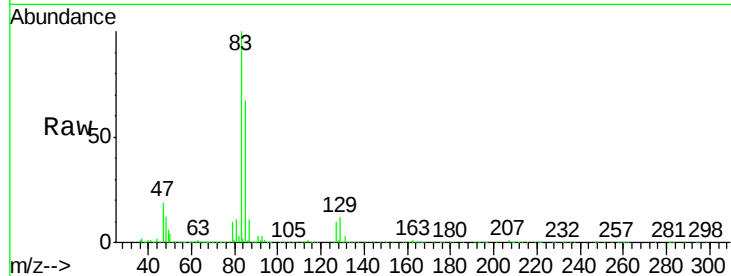
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	692299
Ion Ratio	Lower	Upper	
83	100		
85	66.7	52.0	78.0
127	9.7	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.223 ug/l

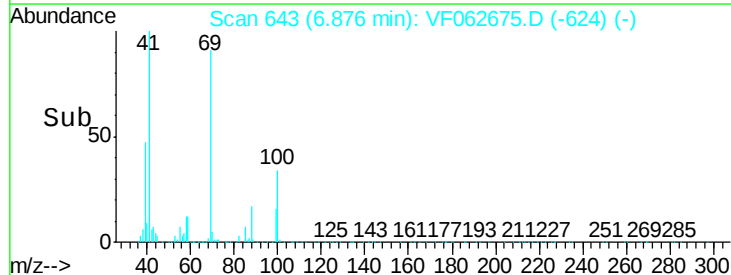
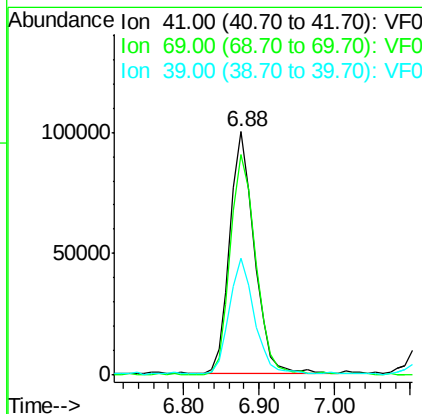
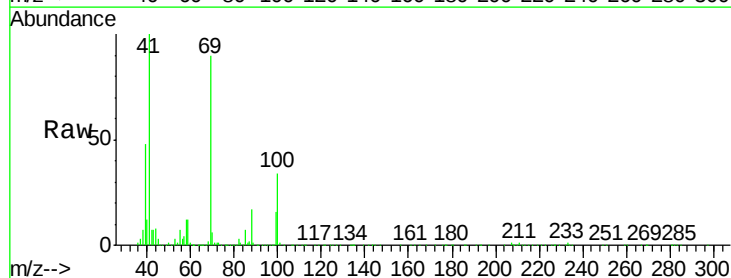
RT: 6.88 min Scan# 643

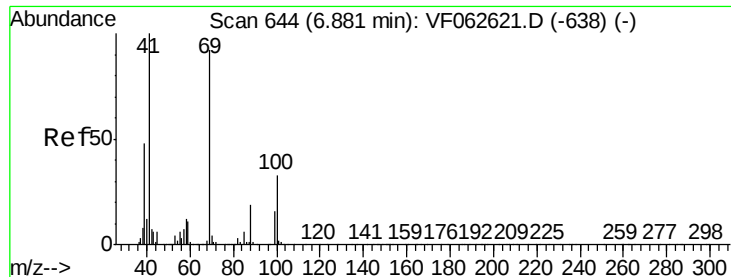
Delta R.T. -0.01 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Tgt Ion:	41	Resp:	224634
Ion Ratio	Lower	Upper	
41	100		
69	90.4	74.2	111.2
39	48.0	34.2	51.4





#49

1,4-Dioxane

Concen: 1065.709 ug/l

RT: 6.88 min Scan# 643

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

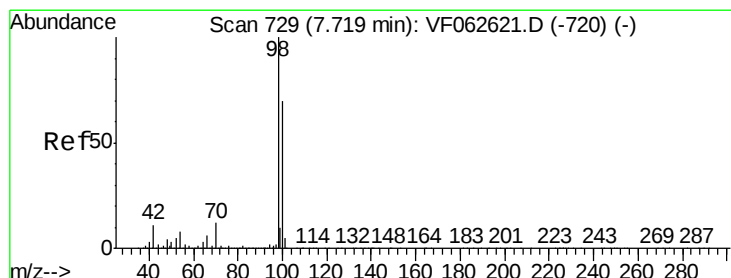
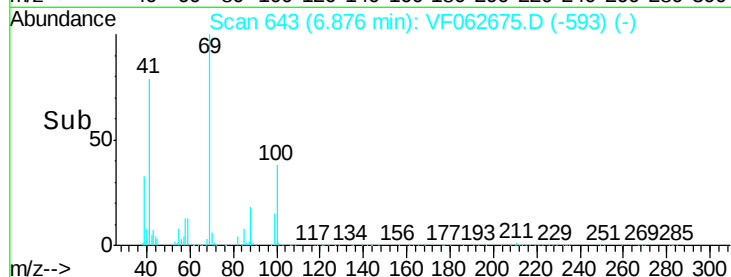
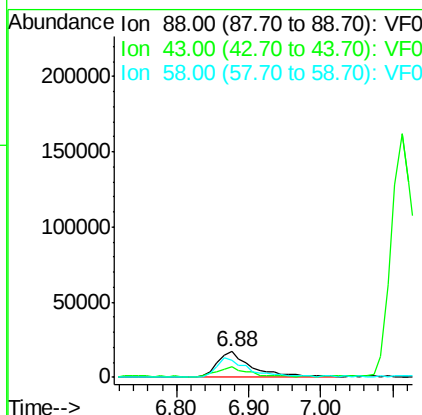
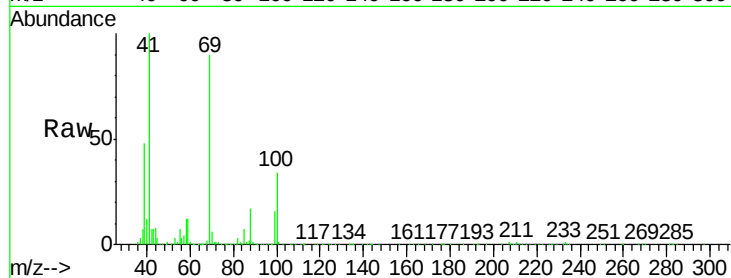
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	57609
Ion	Ratio	Lower	Upper
88	100		
43	42.5	30.0	45.0
58	68.5	51.1	76.7

Manual Integrations
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#50

Toluene-d8

Concen: 47.831 ug/l

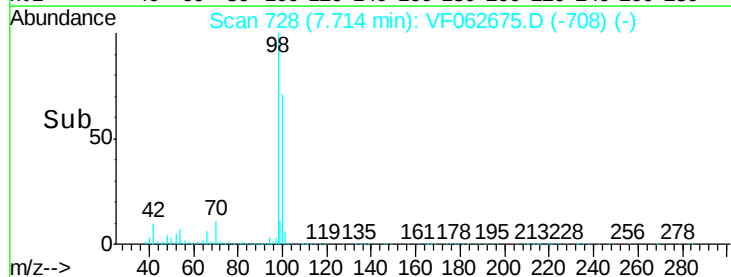
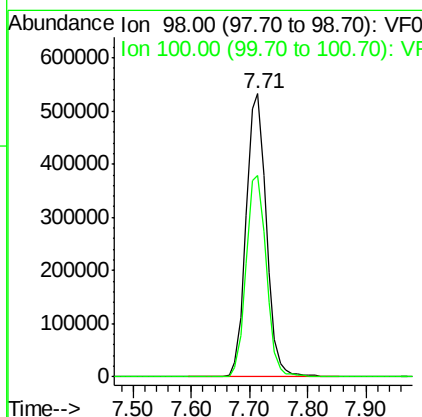
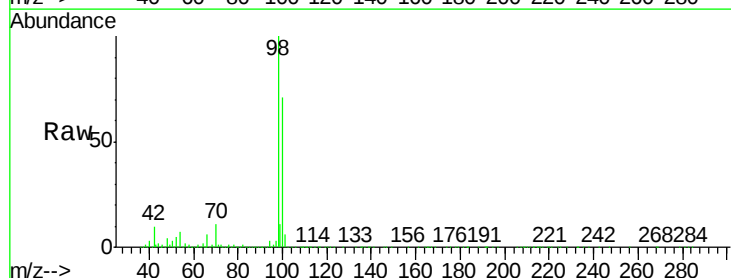
RT: 7.71 min Scan# 728

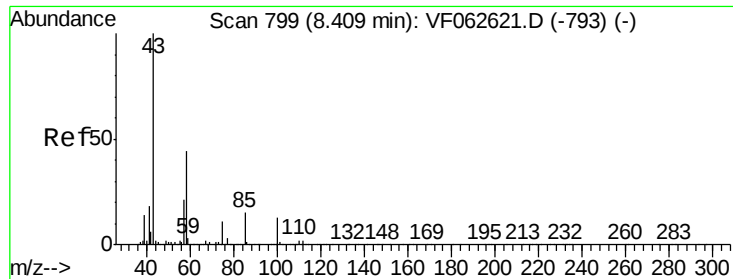
Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Tgt Ion:	98	Resp:	1301859
Ion	Ratio	Lower	Upper
98	100		
100	71.2	56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 254.188 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1402981

Ion Ratio Lower Upper

43 100

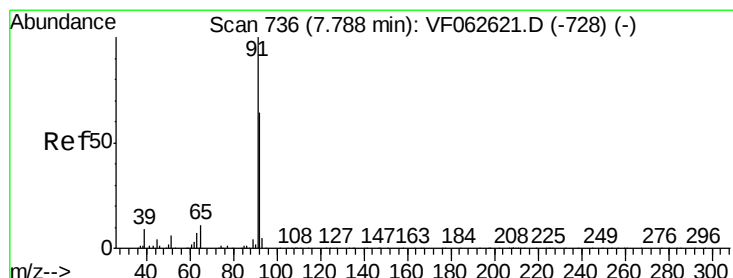
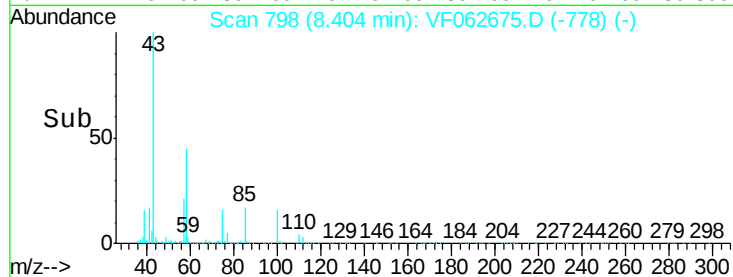
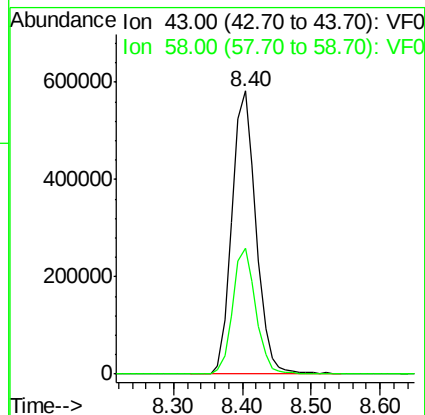
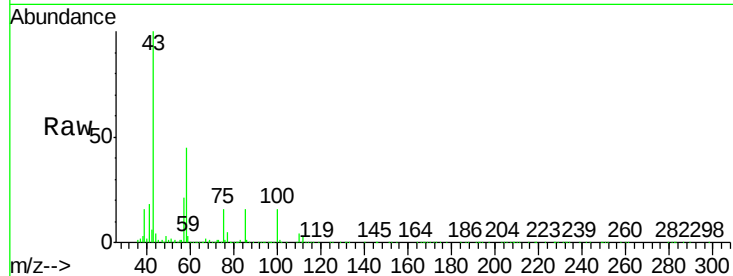
58 44.7 34.9 52.3

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5/22/2019 4:20:49 PM



#52

Toluene

Concen: 53.204 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF062675.D

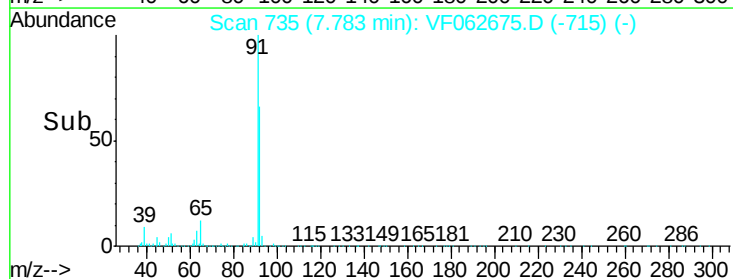
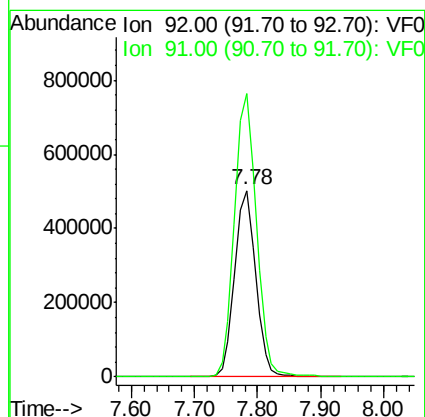
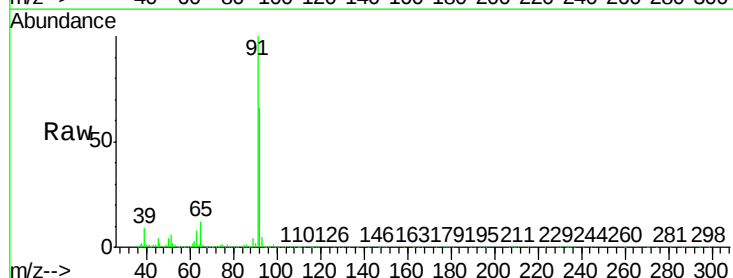
Acq: 21 May 2019 10:21

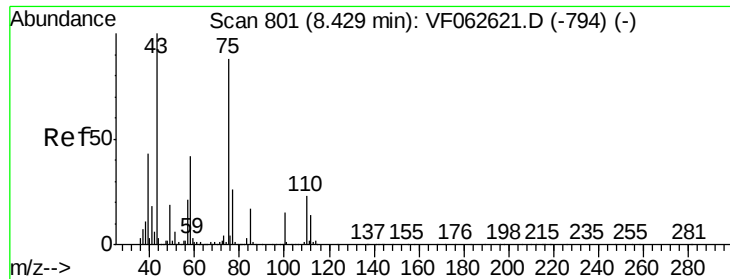
Tgt Ion: 92 Resp: 1160371

Ion Ratio Lower Upper

92 100

91 151.7 125.4 188.0





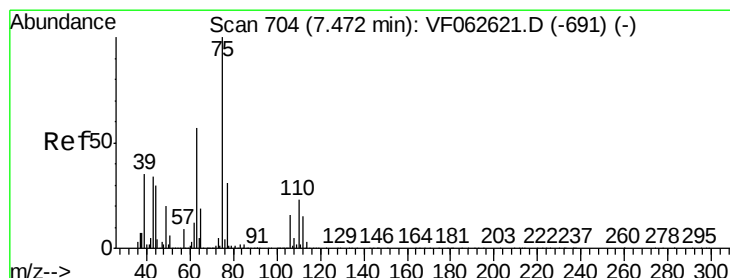
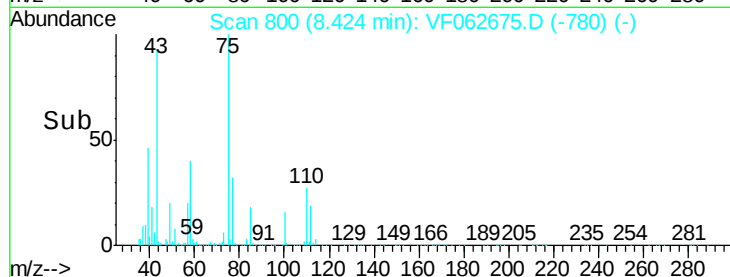
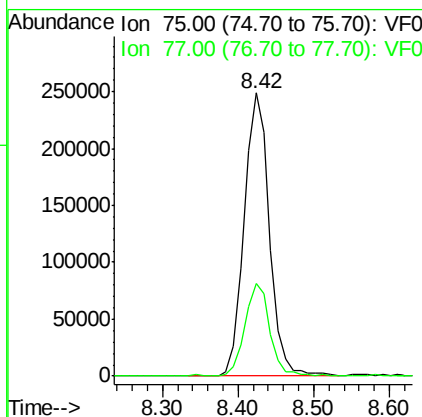
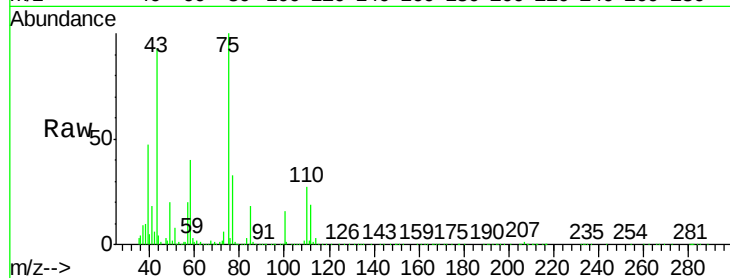
#53
t-1,3-Dichloropropene
Concen: 55.732 ug/l
RT: 8.42 min Scan# 800
Delta R.T. -0.01 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.2	36.4

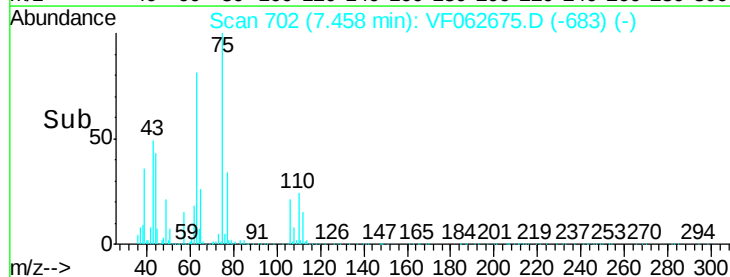
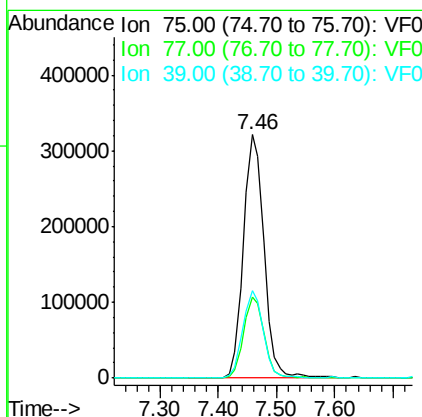
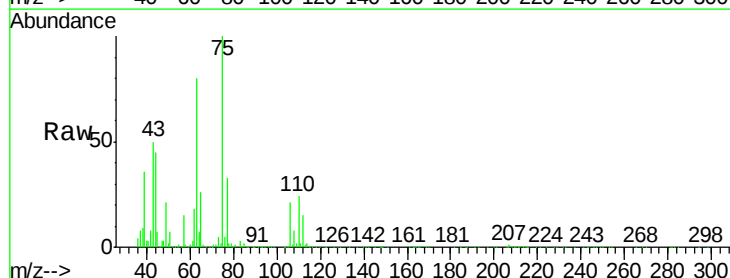
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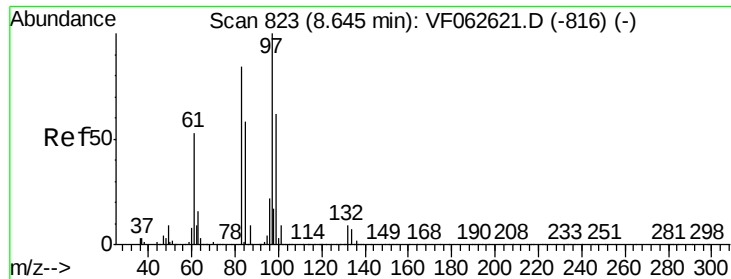
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#54
cis-1,3-Dichloropropene
Concen: 55.164 ug/l
RT: 7.46 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.5	25.3	37.9
39	36.1	28.2	42.2





#55

1,1,2-Trichloroethane

Concen: 54.251 ug/l

RT: 8.63 min Scan# 821

Delta R.T. -0.01 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

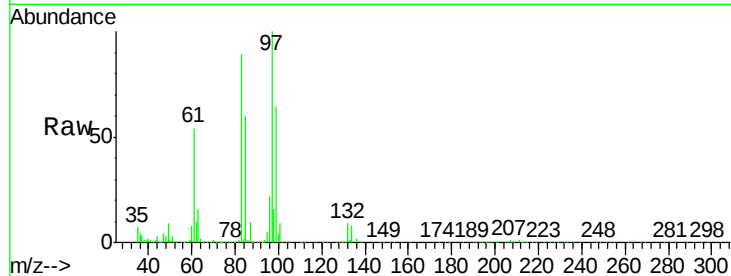
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		350335		
83	89.1	67.3	100.9		
85	60.4	46.6	69.8		
99	64.0	49.7	74.5		

Manual Integrations
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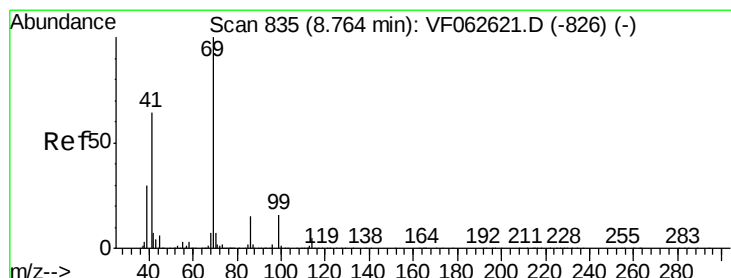
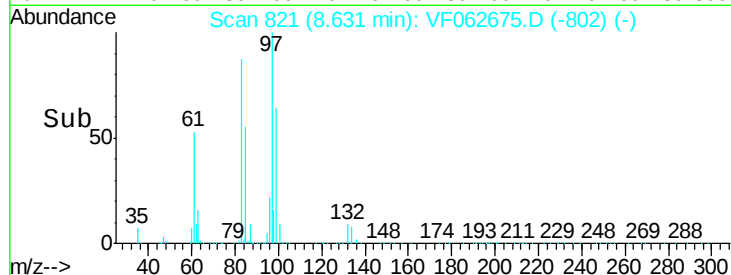
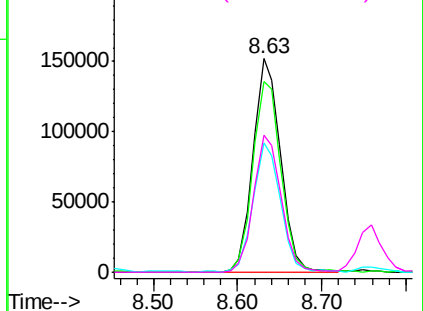


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 50.535 ug/l

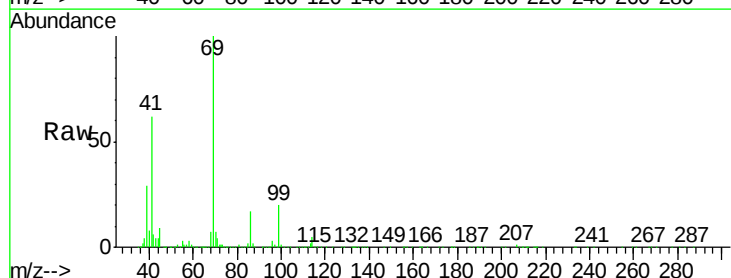
RT: 8.76 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

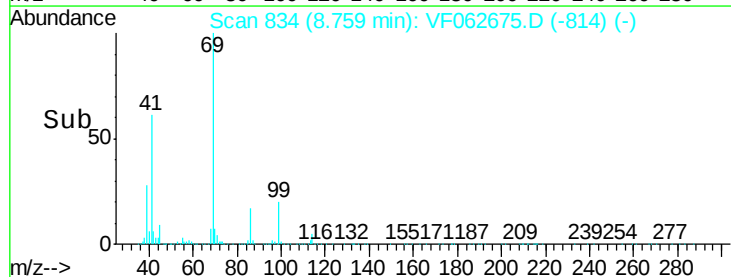
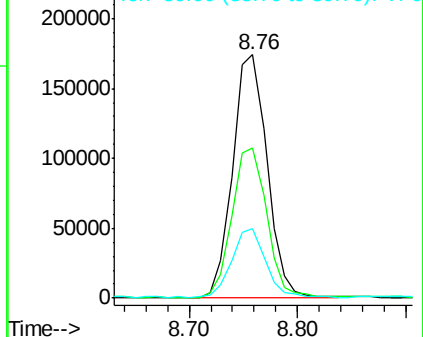
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		388786		
41	61.8	51.4	77.2		
39	28.7	23.6	35.4		

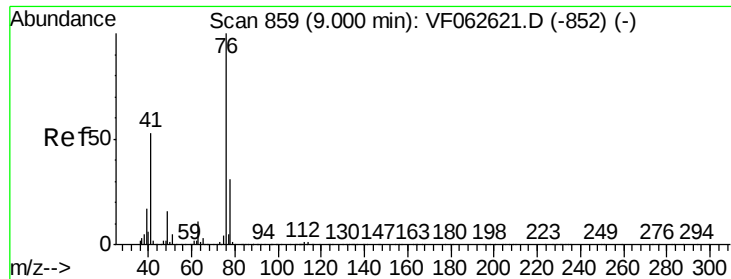


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





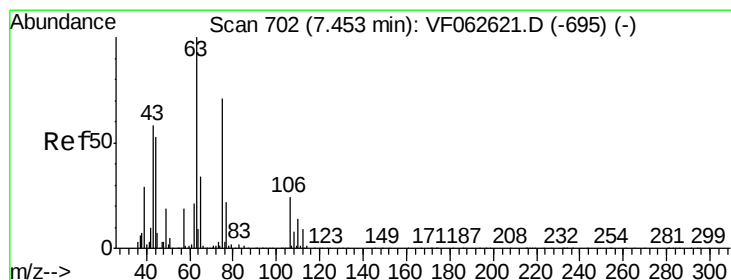
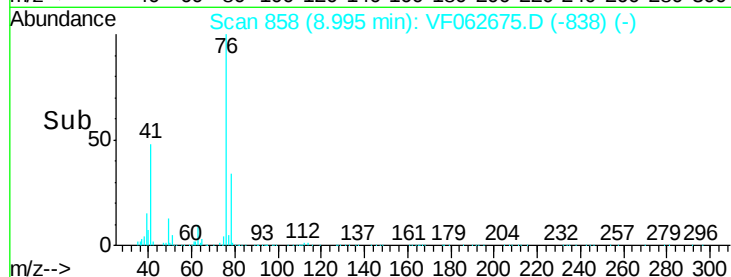
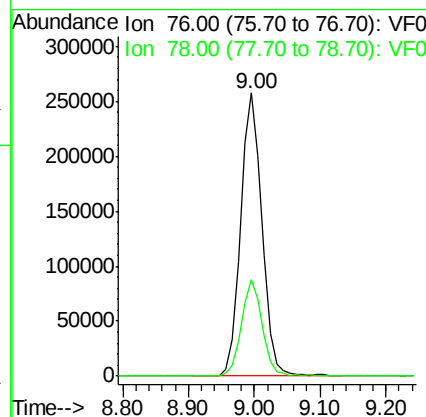
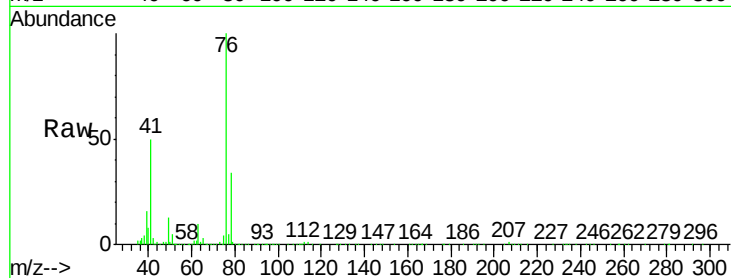
#57
 1,3-Dichloropropane
 Concen: 53.325 ug/l
 RT: 9.00 min Scan# 858
 Delta R.T. -0.00 min
 Lab File: VF062675.D
 Acq: 21 May 2019 10:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.0	25.4	38.0

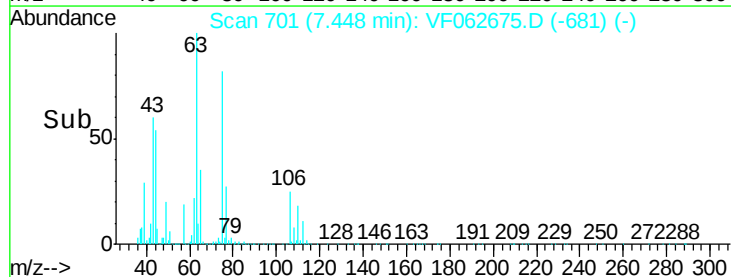
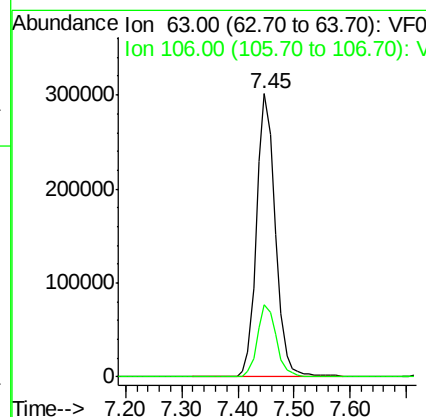
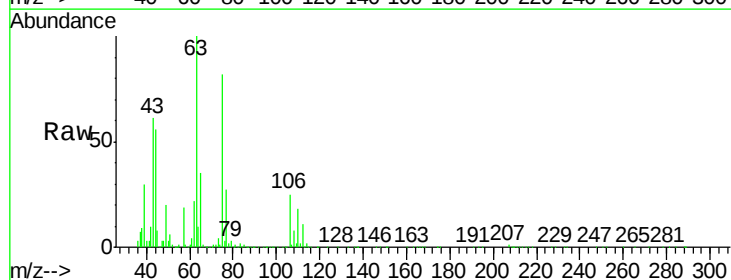
Manual Integrations
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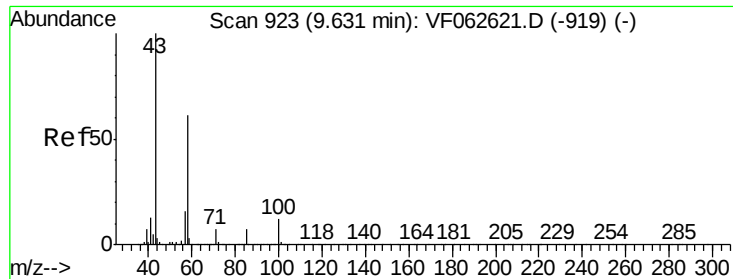
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#58
 2-Chloroethyl Vinyl ether
 Concen: 280.725 ug/l
 RT: 7.45 min Scan# 701
 Delta R.T. -0.00 min
 Lab File: VF062675.D
 Acq: 21 May 2019 10:21

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.3	19.1	28.7





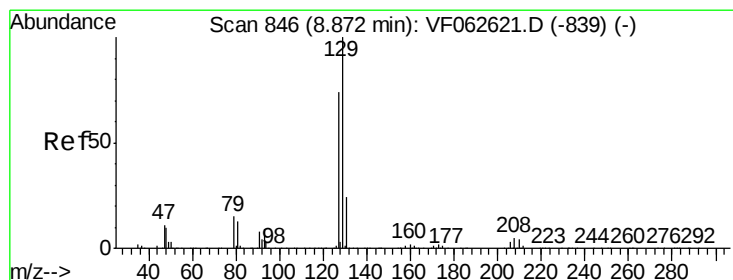
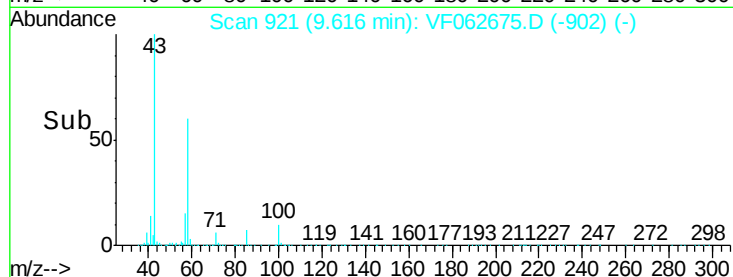
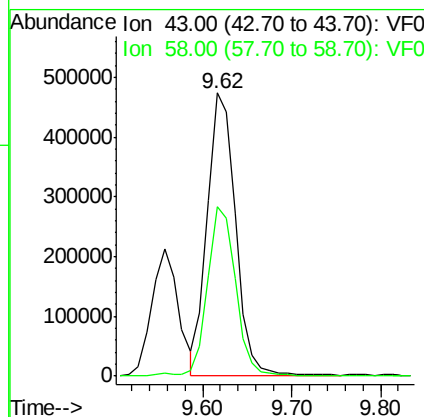
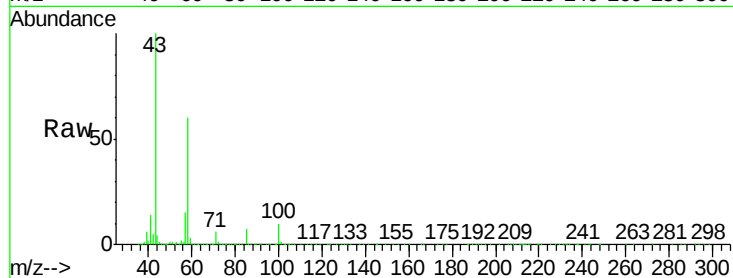
#59
2-Hexanone
Concen: 292.775 ug/l
RT: 9.62 min Scan# 921
Delta R.T. -0.01 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1040412
Ion Ratio Lower Upper
43 100
58 59.7 28.1 84.4

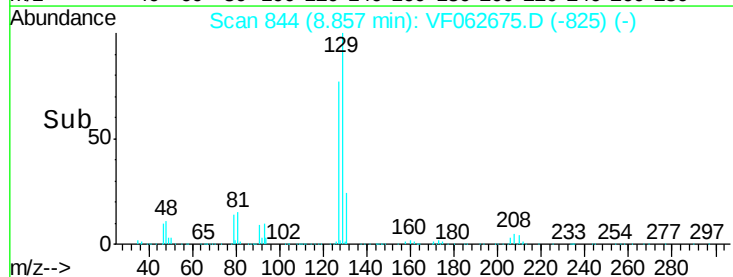
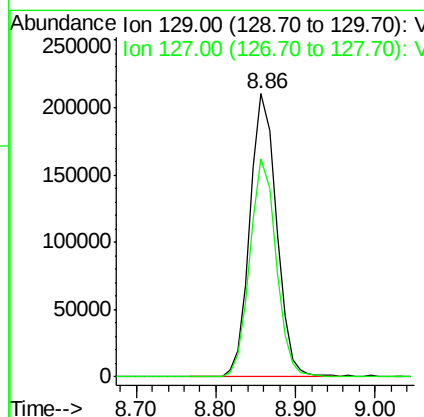
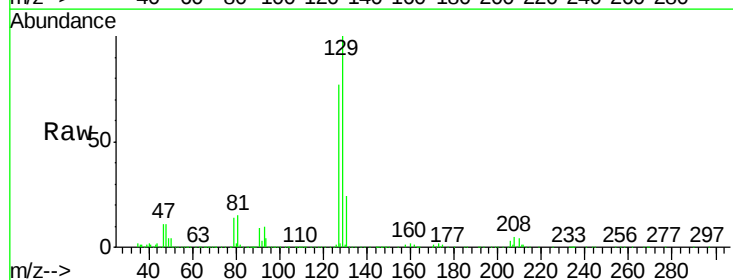
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APPROVED

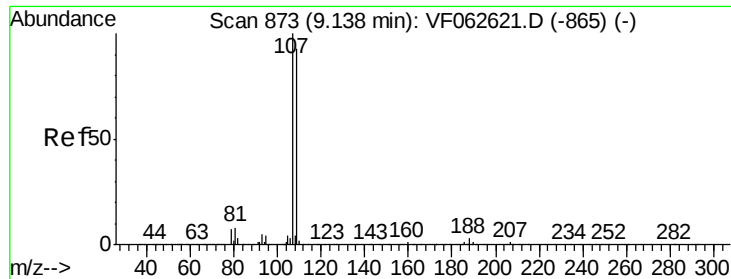
MMDadoda
5/22/2019 4:20:49 PM



#60
Dibromochloromethane
Concen: 57.455 ug/l
RT: 8.86 min Scan# 844
Delta R.T. -0.01 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Tgt Ion: 129 Resp: 483559
Ion Ratio Lower Upper
129 100
127 76.9 37.2 111.6





#61

1,2-Dibromoethane

Concen: 55.702 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 382056

Ion Ratio Lower Upper

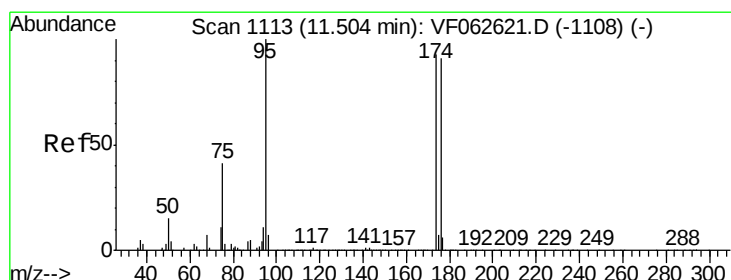
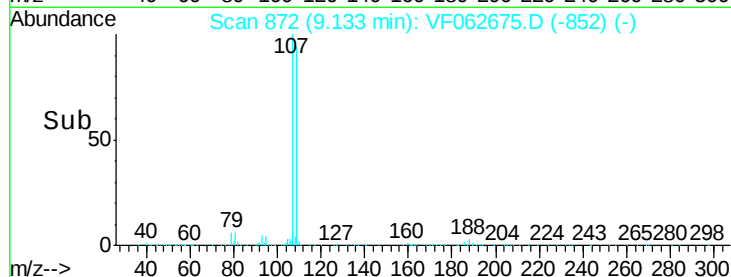
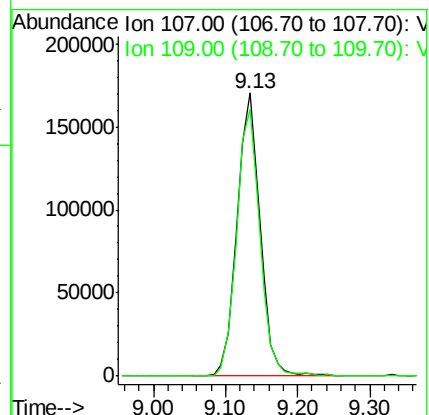
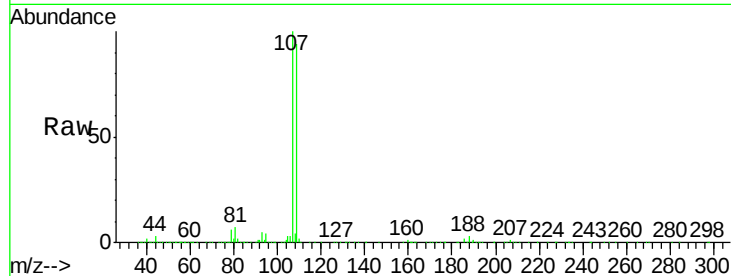
107 100

109 94.1 74.8 112.2

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5/22/2019 4:20:49 PM



#62

4-Bromofluorobenzene

Concen: 44.582 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

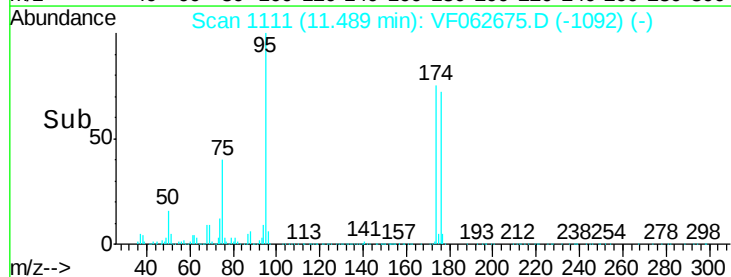
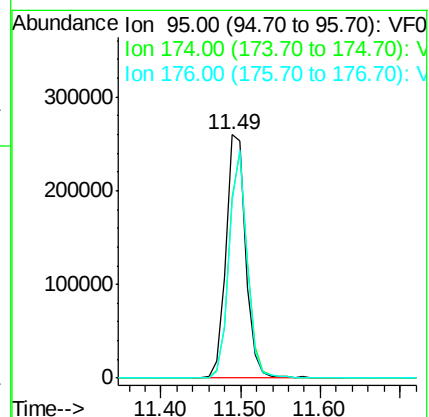
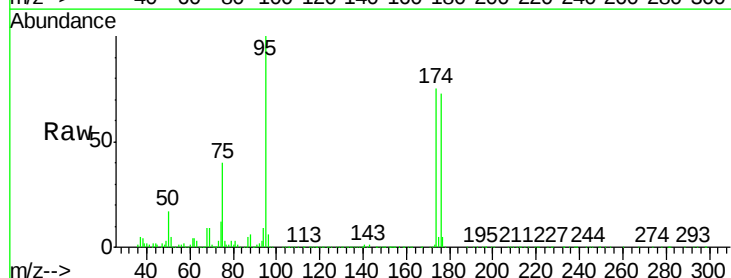
Tgt Ion: 95 Resp: 460210

Ion Ratio Lower Upper

95 100

174 74.5 0.0 185.6

176 72.5 0.0 182.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 951

Delta R.T. -0.01 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:117 Resp: 1133373

Ion Ratio Lower Upper

117 100

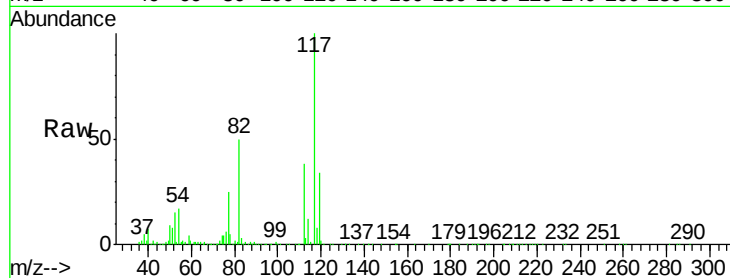
82 50.0 43.3 64.9

119 34.0 27.4 41.0

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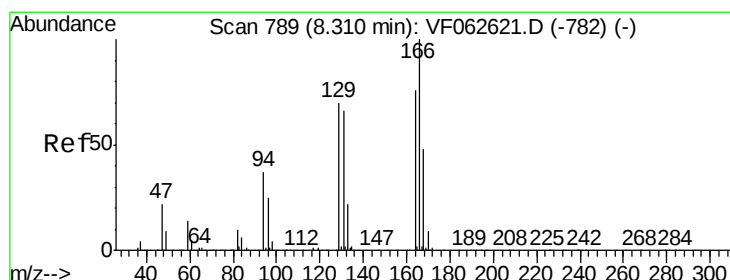
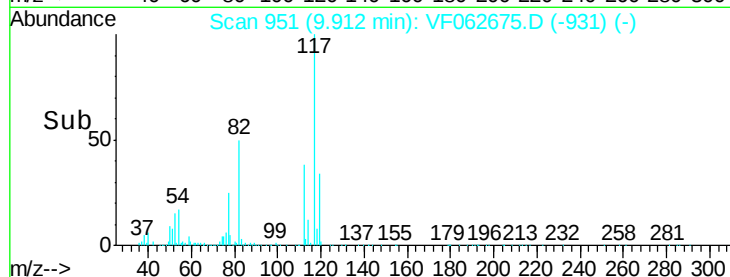
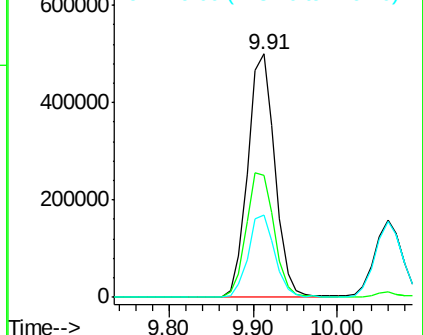
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 52.048 ug/l

RT: 8.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Tgt Ion:164 Resp: 467331

Ion Ratio Lower Upper

164 100

166 129.5 105.5 158.3

129 90.3 73.8 110.6

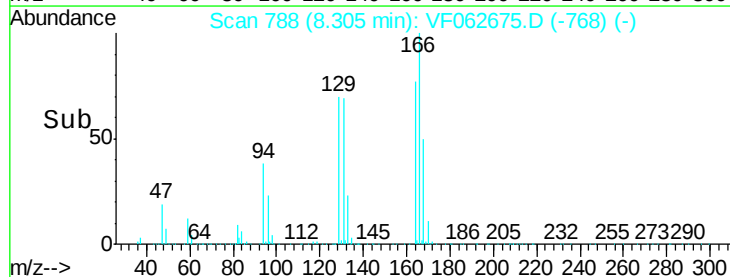
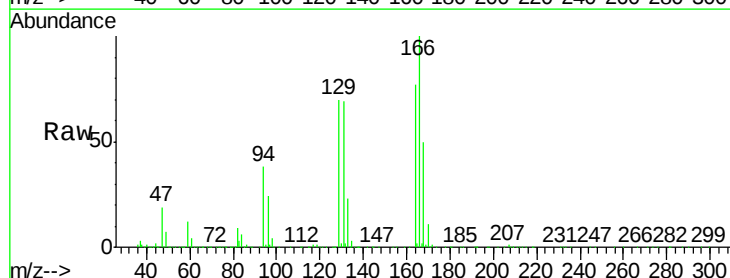
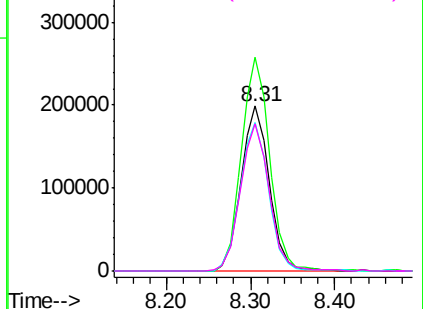
131 89.0 69.5 104.3

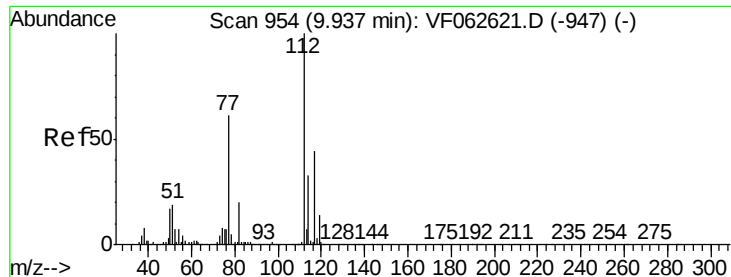
Abundance Ion 163.85 (163.55 to 164.55): V

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





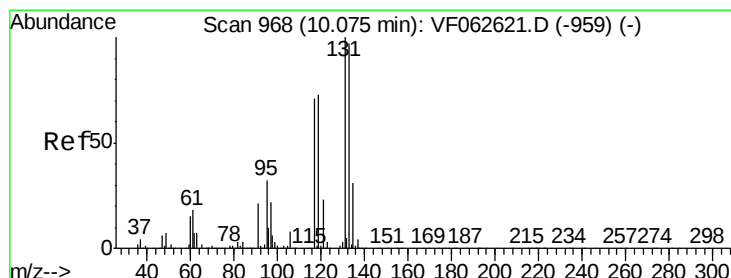
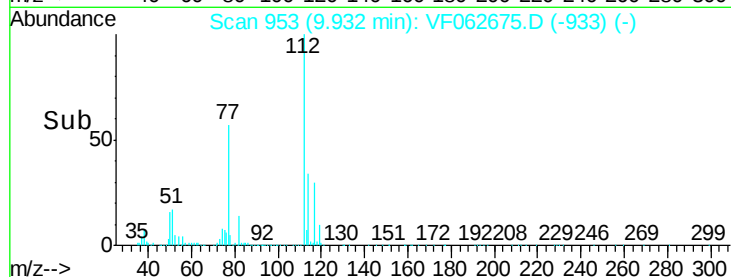
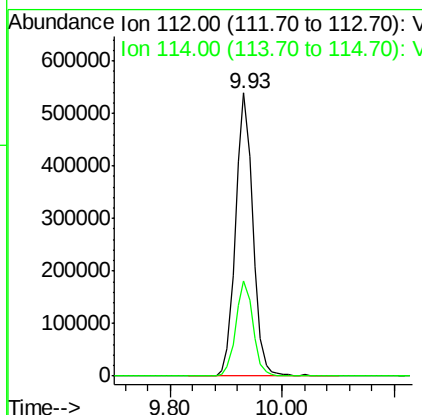
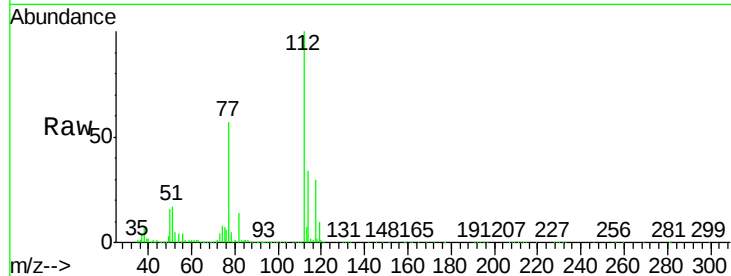
#65
Chlorobenzene
Concen: 51.890 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.00 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1155106
Ion Ratio Lower Upper
112 100
114 33.8 26.8 40.2

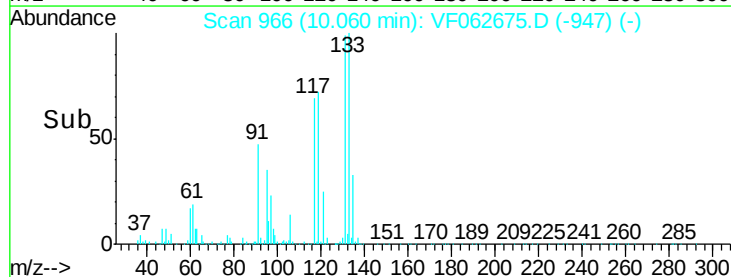
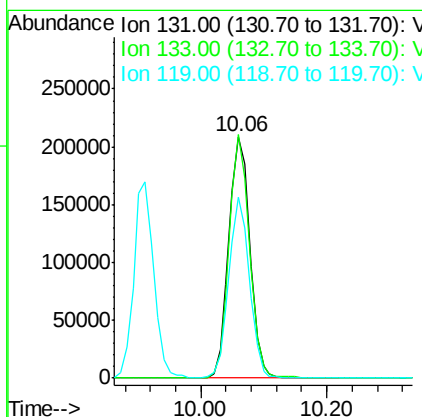
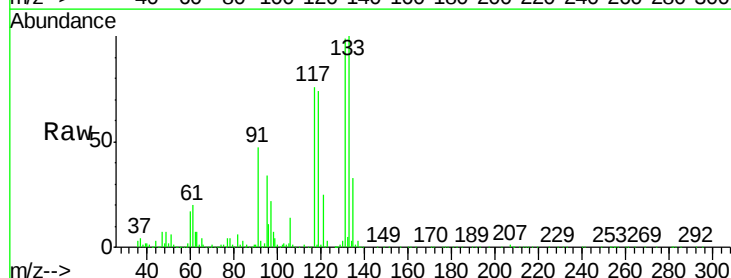
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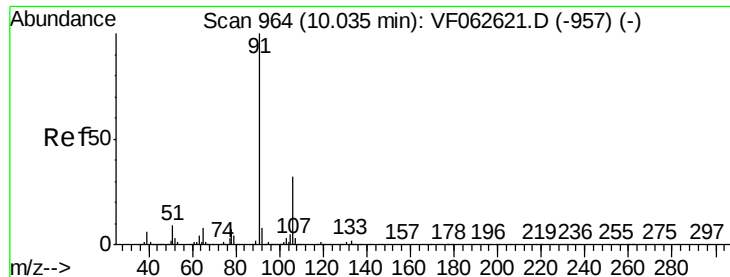
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.182 ug/l
RT: 10.06 min Scan# 966
Delta R.T. -0.01 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Tgt Ion:131 Resp: 484193
Ion Ratio Lower Upper
131 100
133 100.9 48.5 145.5
119 75.0 36.8 110.4





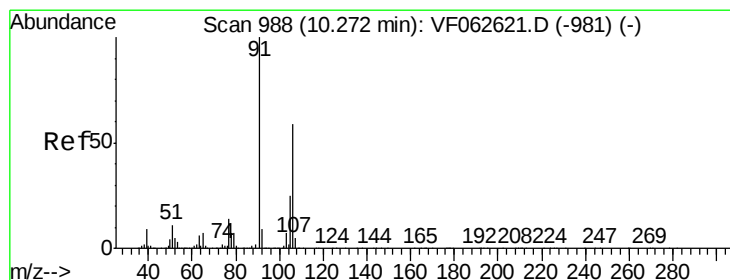
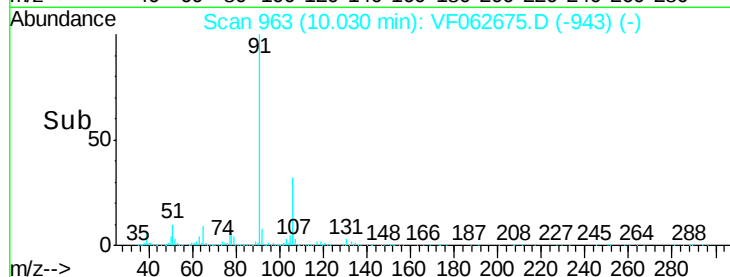
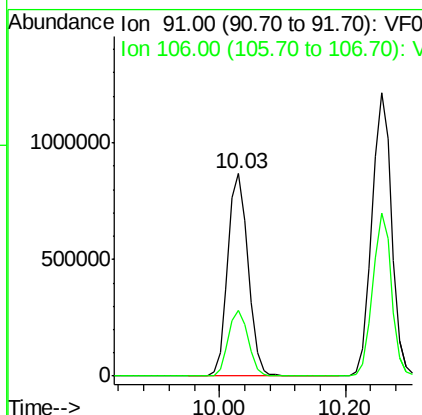
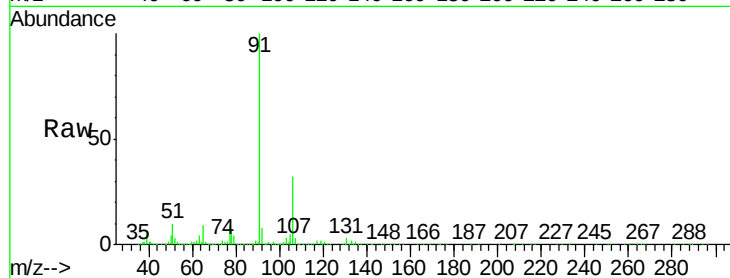
#67
Ethyl Benzene
Concen: 49.995 ug/l
RT: 10.03 min Scan# 963
Delta R.T. -0.00 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1933391
Ion Ratio Lower Upper
91 100
106 32.4 25.8 38.8

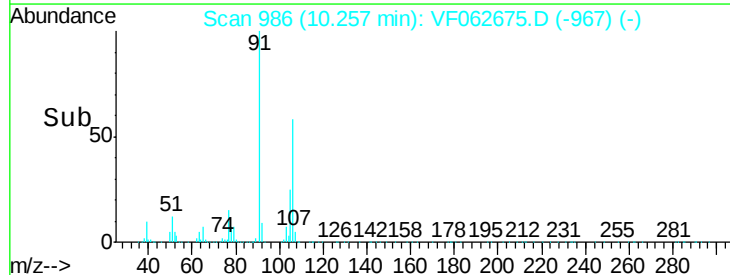
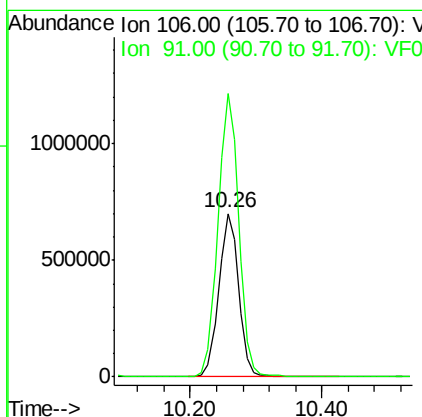
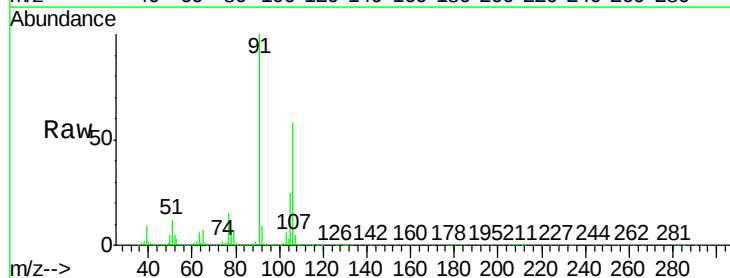
Manual Integrations
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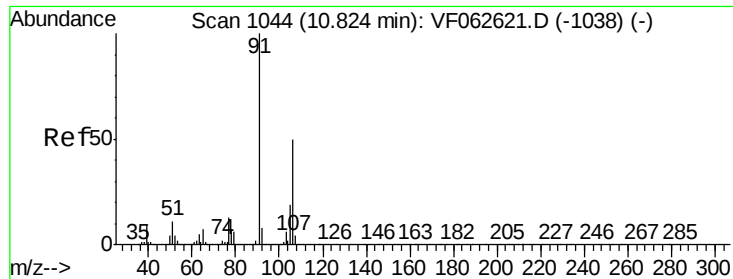
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#68
m/p-Xylenes
Concen: 101.179 ug/l
RT: 10.26 min Scan# 986
Delta R.T. -0.01 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Tgt Ion: 106 Resp: 1470584
Ion Ratio Lower Upper
106 100
91 173.2 136.9 205.3





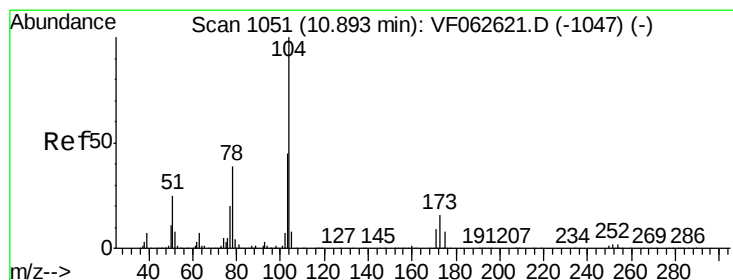
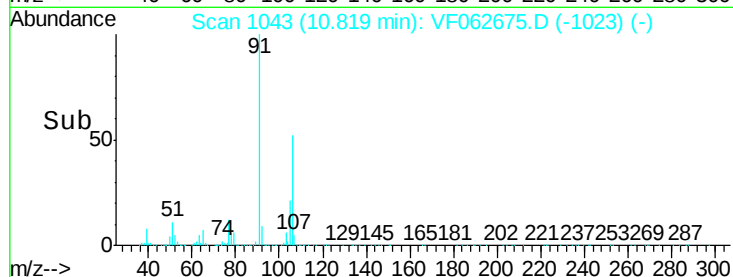
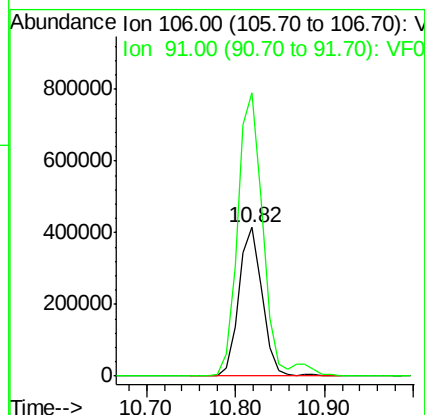
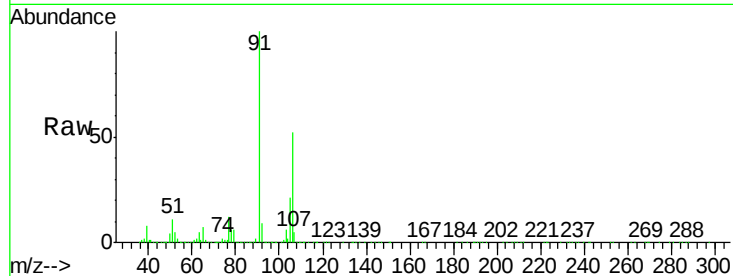
#69
o-Xylene
Concen: 50.933 ug/l
RT: 10.82 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	190.6	100.2	300.5

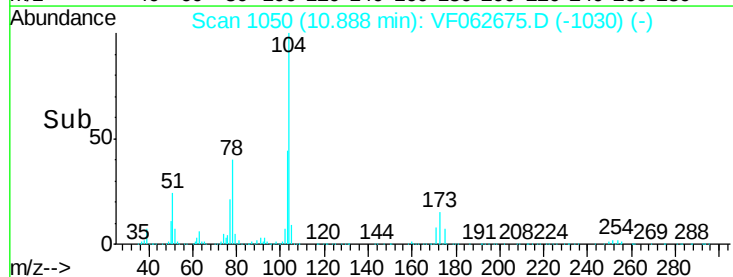
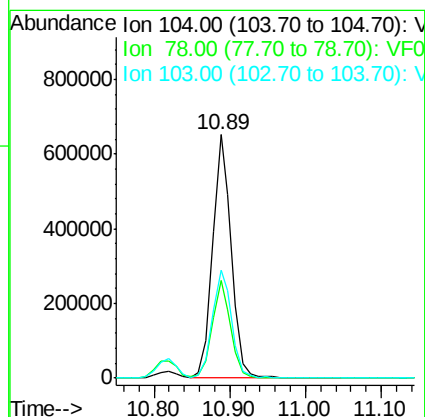
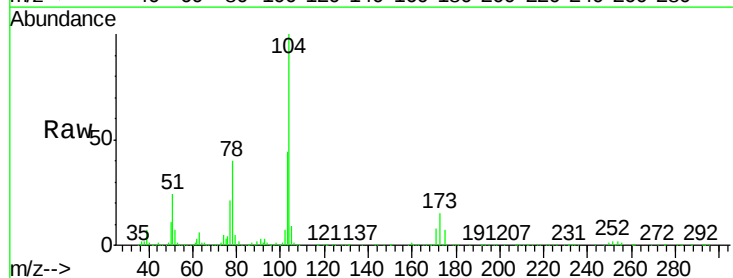
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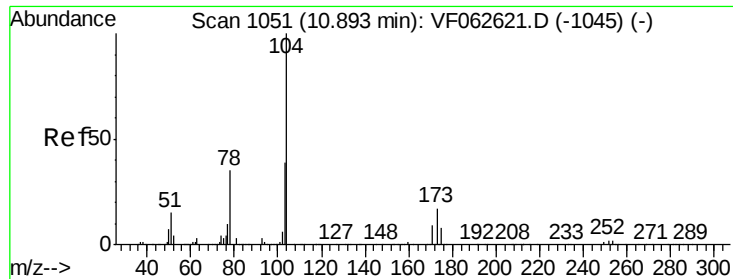
MMDadoda
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#70
Styrene
Concen: 49.590 ug/l
RT: 10.89 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Tgt Ion	Ratio	Lower	Upper
104	100		
78	40.3	31.9	47.9
103	44.3	36.1	54.1





#71

Bromoform

Concen: 59.678 ug/l

RT: 10.88 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

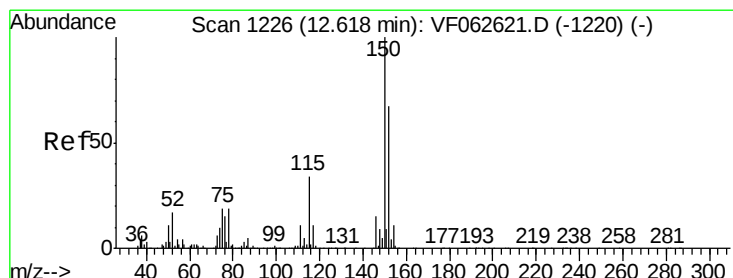
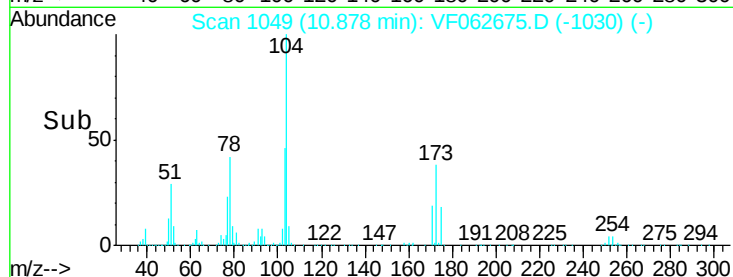
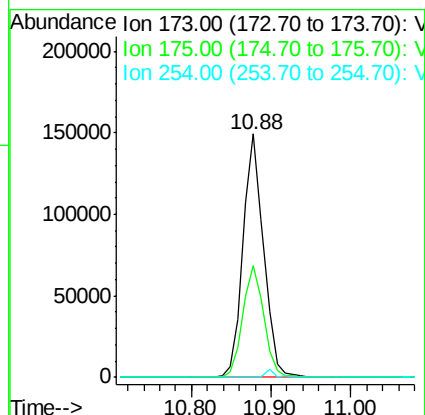
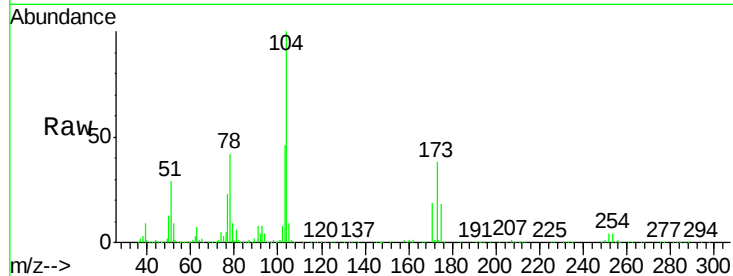
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	267101
Ion Ratio	Lower	Upper	
173	100		
175	46.8	25.3	75.9
254	0.1	0.2	0.2#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

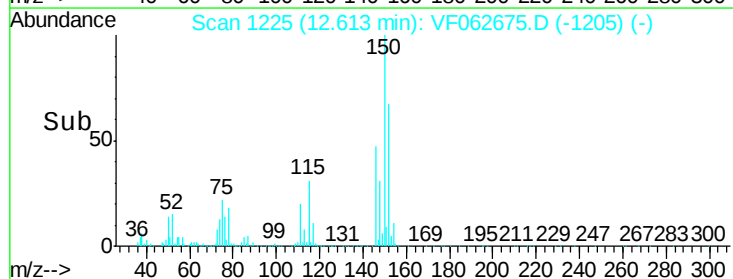
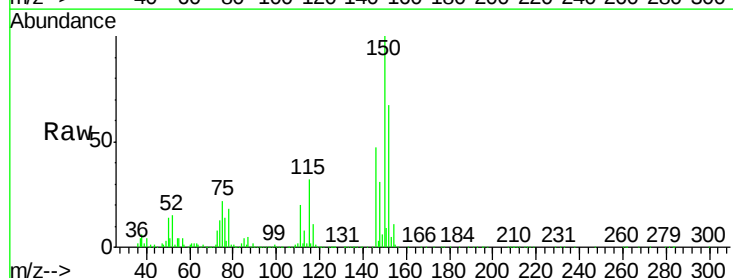
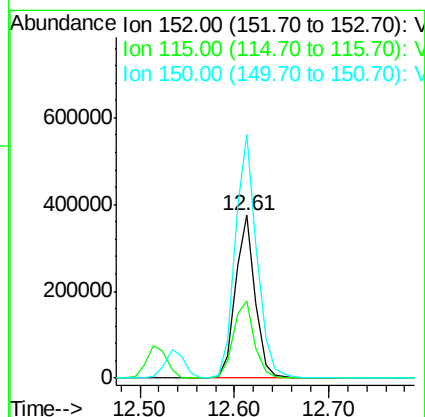
RT: 12.61 min Scan# 1225

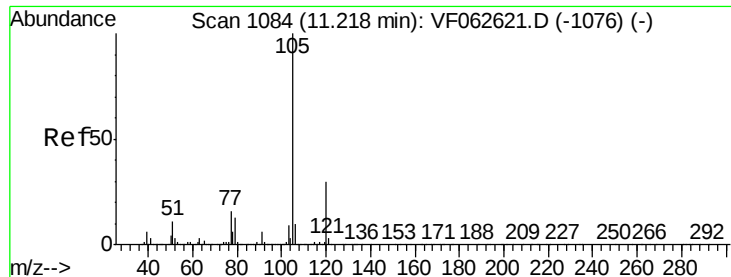
Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Tgt Ion:	152	Resp:	539502
Ion Ratio	Lower	Upper	
152	100		
115	47.3	25.2	75.6
150	149.9	0.0	306.2





#73

Isopropylbenzene

Concen: 50.902 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1968213

Ion Ratio Lower Upper

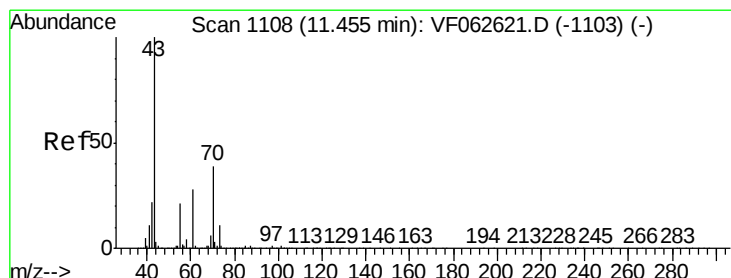
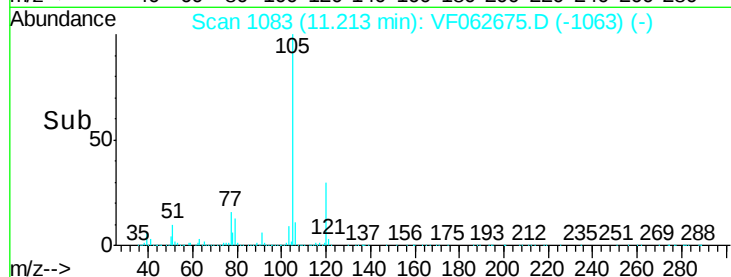
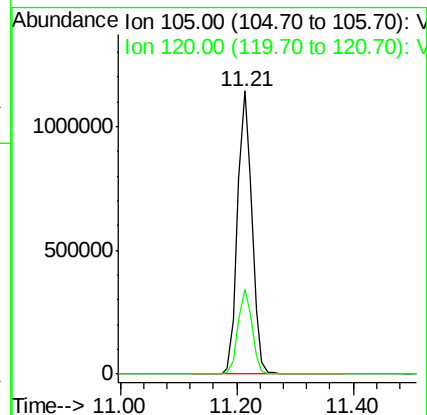
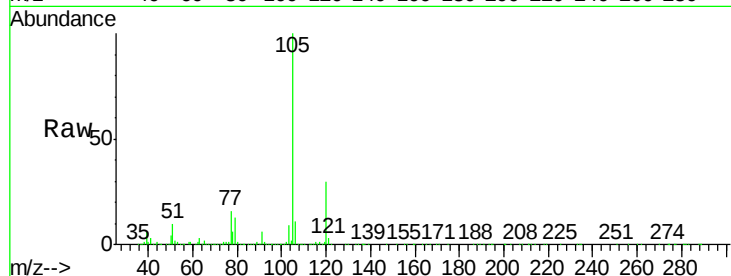
105 100

120 30.0 14.8 44.4

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#74

N-ethyl acetate

Concen: 54.560 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Tgt Ion: 43 Resp: 531939

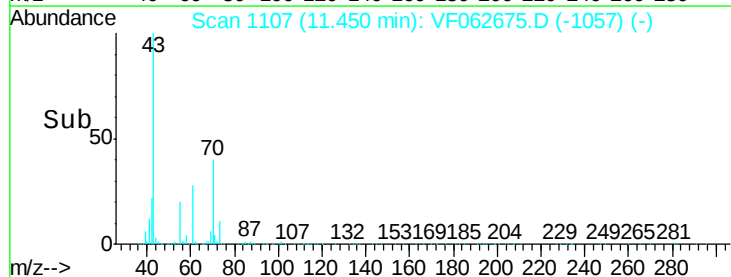
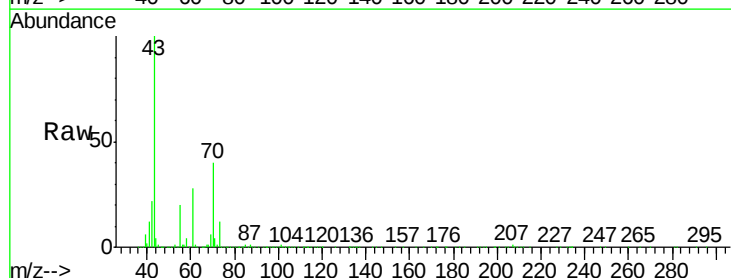
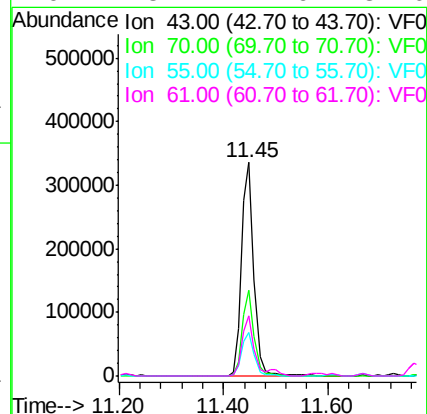
Ion Ratio Lower Upper

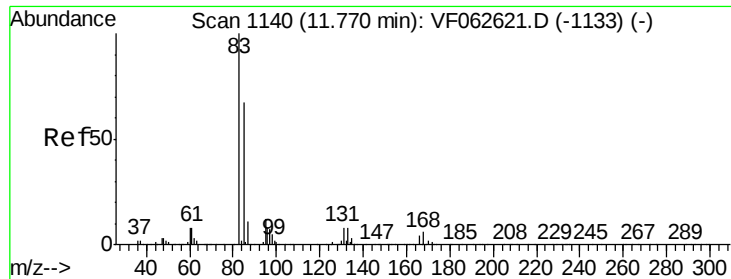
43 100

70 40.2 30.9 46.3

55 20.3 17.0 25.4

61 28.2 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.758 ug/l

RT: 11.77 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

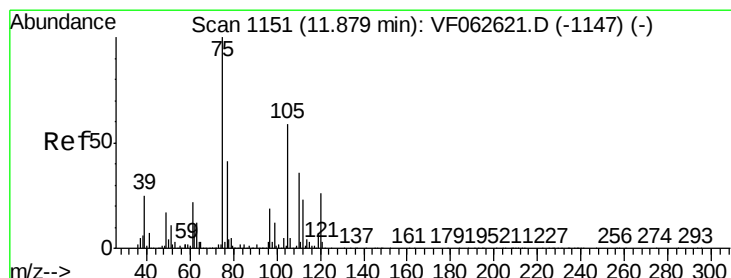
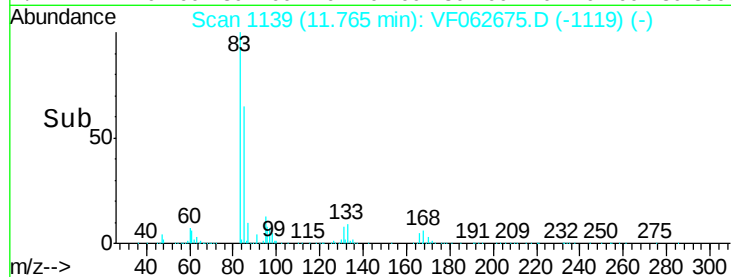
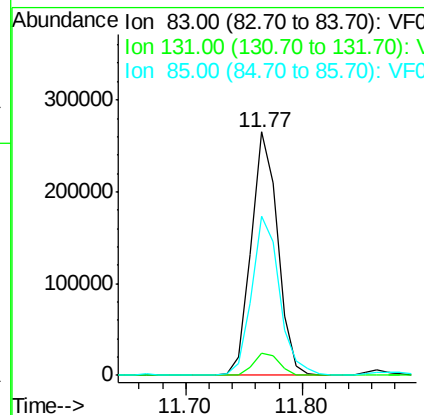
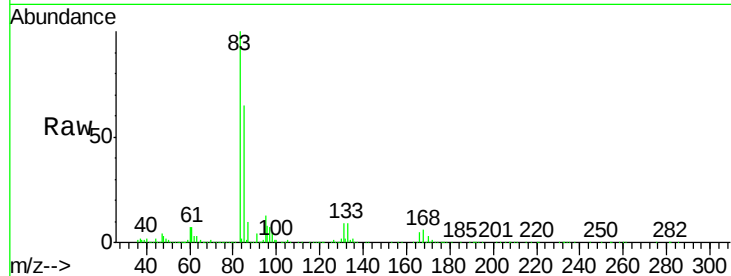
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	416901
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.0	12.0
85	65.3	33.5	100.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.933 ug/l

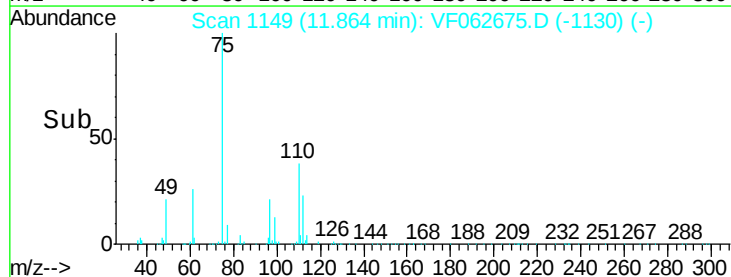
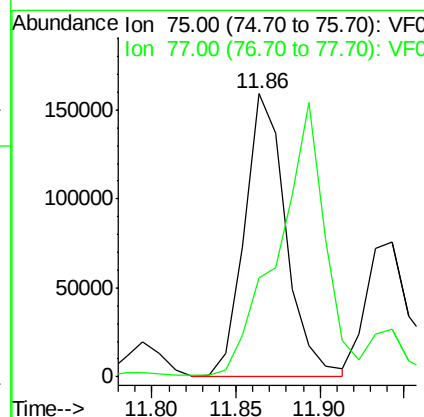
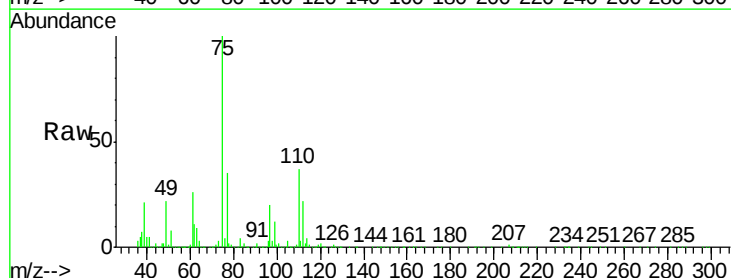
RT: 11.86 min Scan# 1149

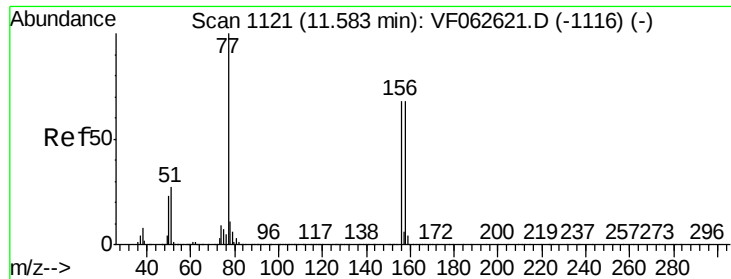
Delta R.T. -0.01 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Tgt Ion:	75	Resp:	269648
Ion Ratio	Lower	Upper	
75	100		
77	35.2	20.6	61.8





#77

Bromobenzene

Concen: 52.456 ug/l

RT: 11.58 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

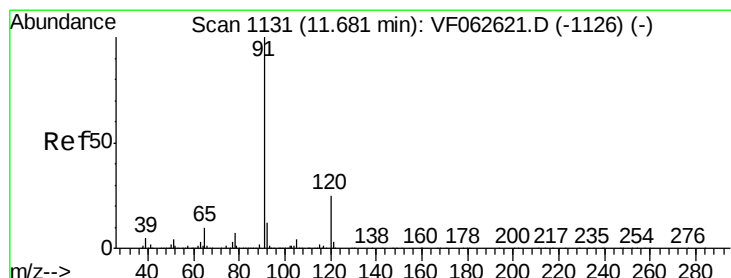
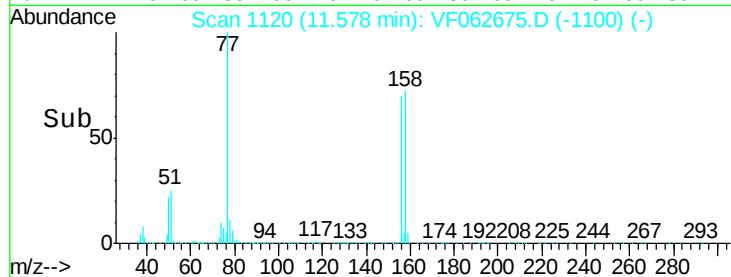
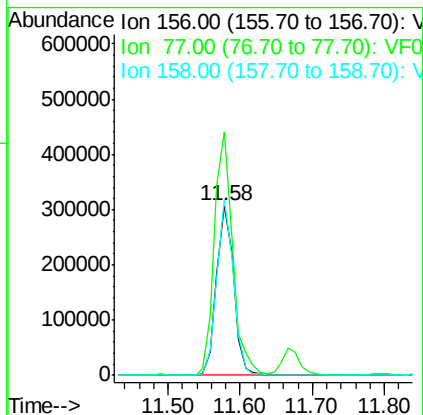
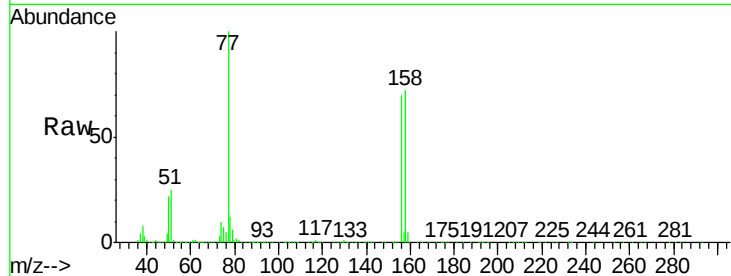
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	504176
Ion Ratio	Lower	Upper	
156	100		
77	143.2	73.6	220.8
158	103.5	49.6	148.8

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#78

n-propylbenzene

Concen: 47.027 ug/l

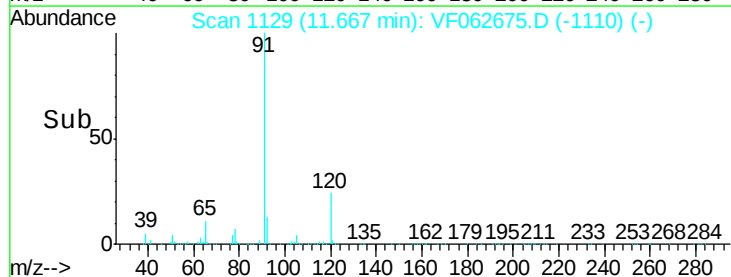
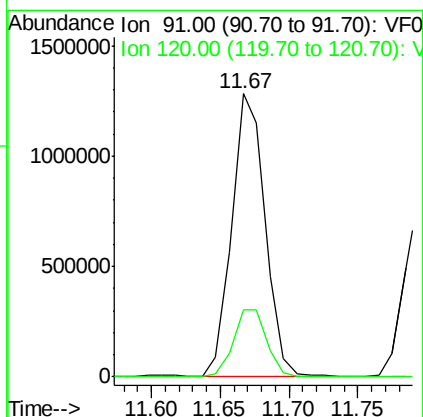
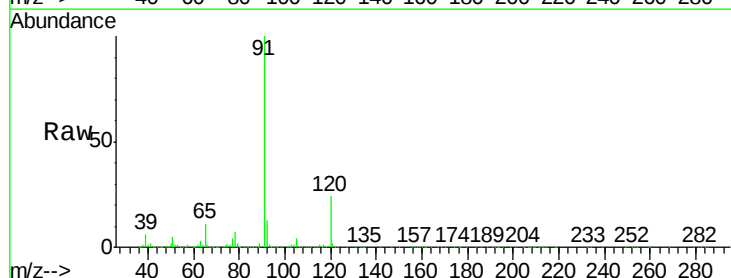
RT: 11.67 min Scan# 1129

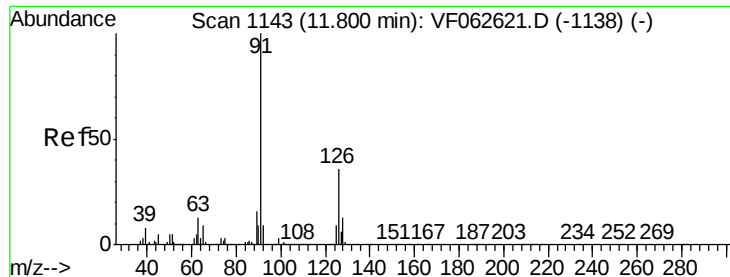
Delta R.T. -0.01 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Tgt Ion:	91	Resp:	2152016
Ion Ratio	Lower	Upper	
91	100		
120	23.7	12.7	38.1





#79

2-Chlorotoluene

Concen: 49.793 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1284128

Ion Ratio Lower Upper

91 100

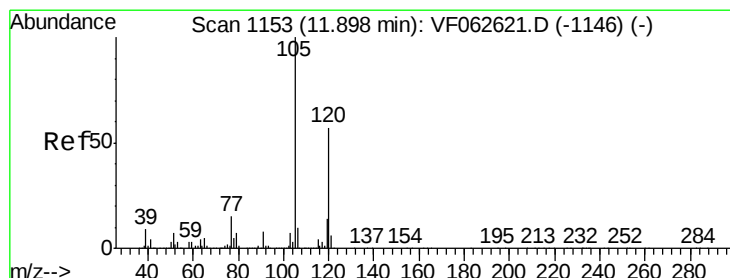
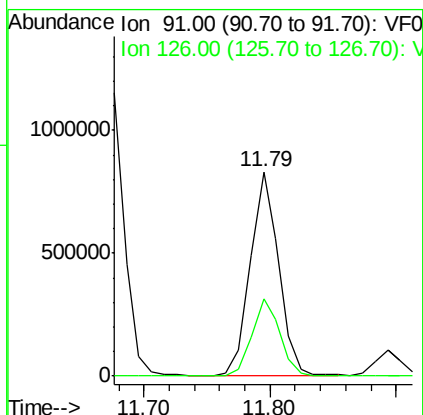
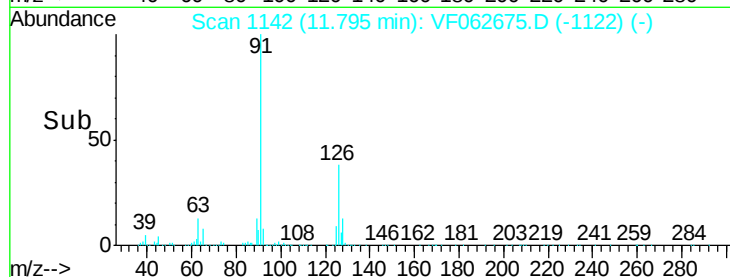
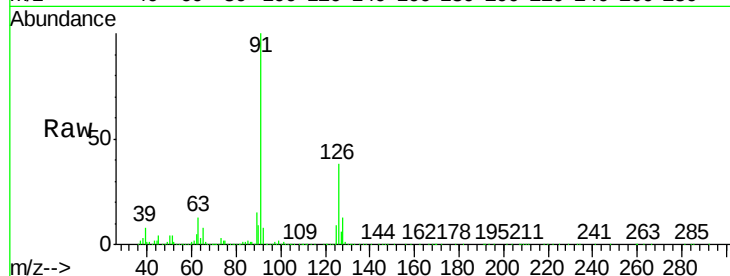
126 38.1 18.1 54.4

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#80

1,3,5-Trimethylbenzene

Concen: 49.851 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF062675.D

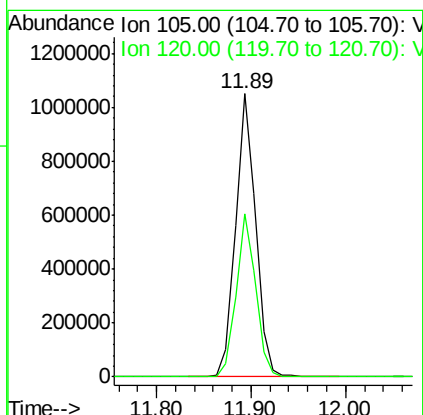
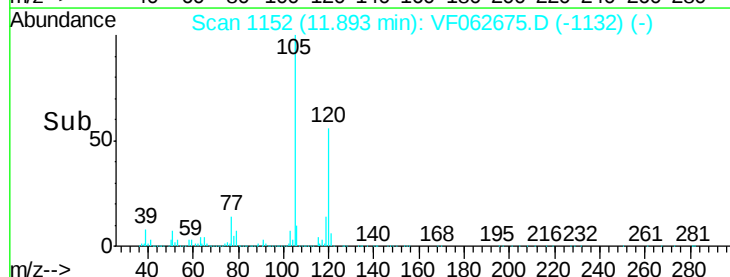
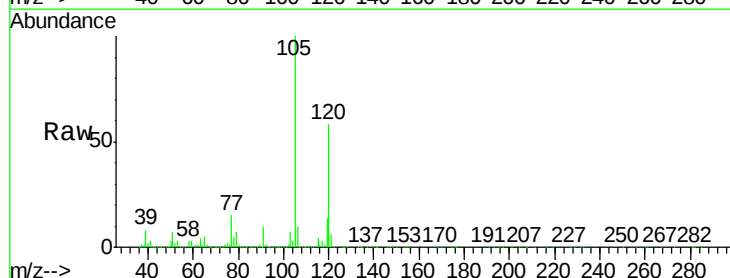
Acq: 21 May 2019 10:21

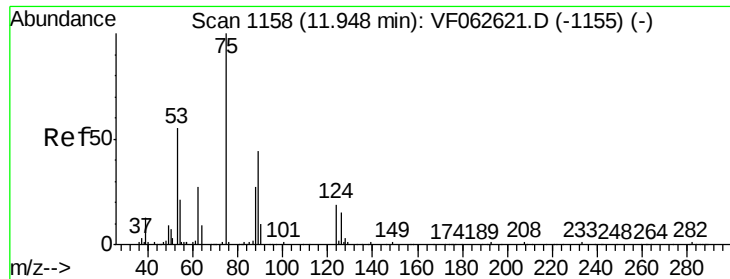
Tgt Ion:105 Resp: 1545621

Ion Ratio Lower Upper

105 100

120 57.6 28.7 86.3





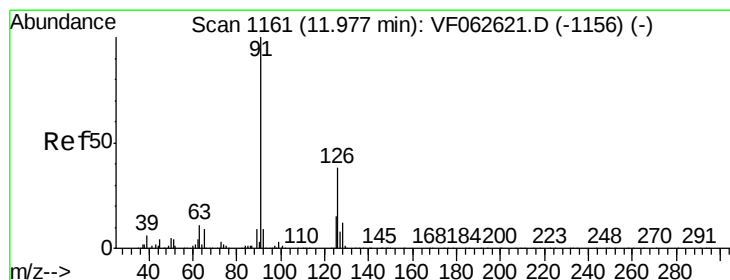
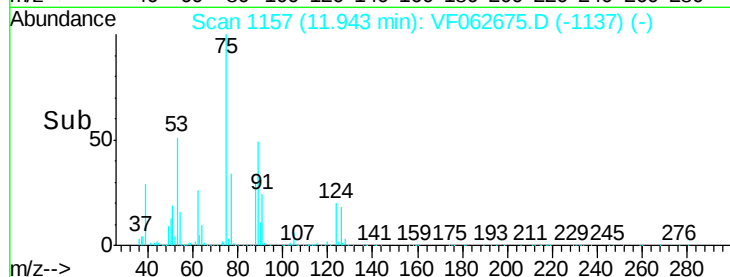
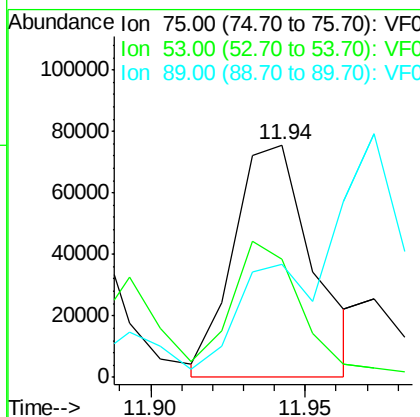
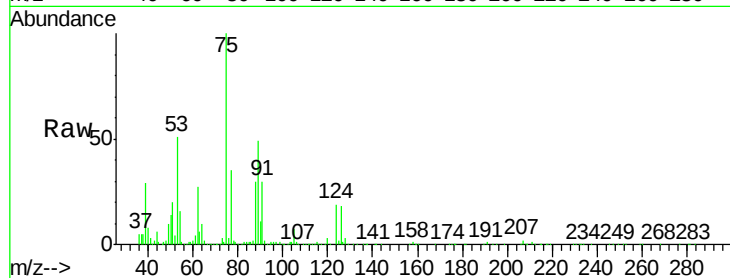
#81
trans-1,4-Dichloro-2-butene
Concen: 58.585 ug/l m
RT: 11.94 min Scan# 1157
Delta R.T. -0.01 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	51.0	46.9	70.3
89	48.8	36.4	54.6

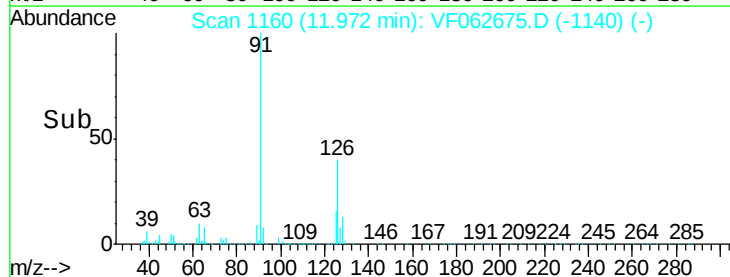
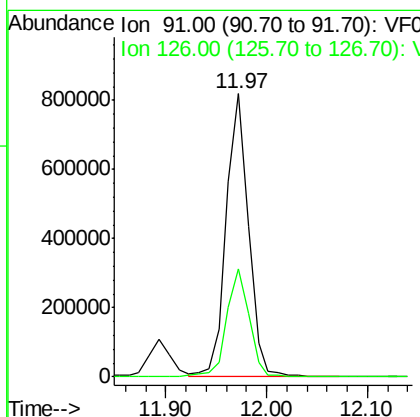
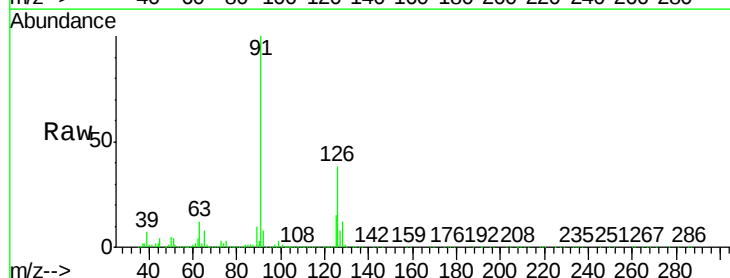
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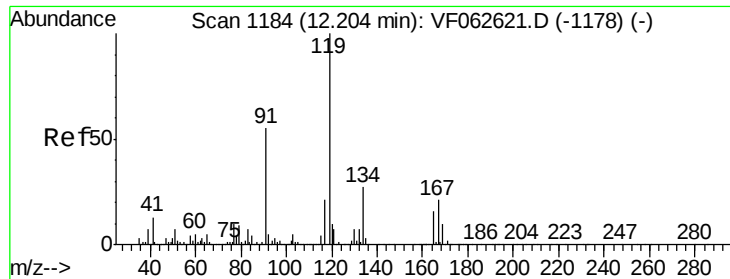
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5/22/2019 4:20:49 PM



#82
4-Chlorotoluene
Concen: 49.185 ug/l
RT: 11.97 min Scan# 1160
Delta R.T. -0.00 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	38.2	19.1	57.1





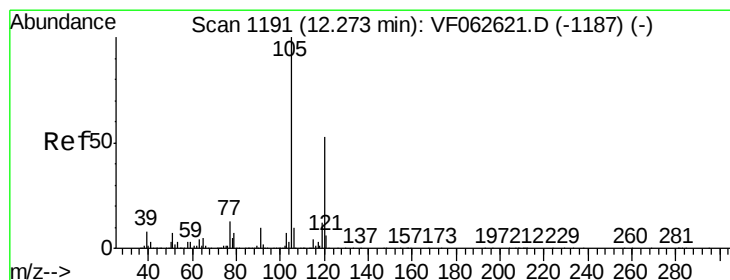
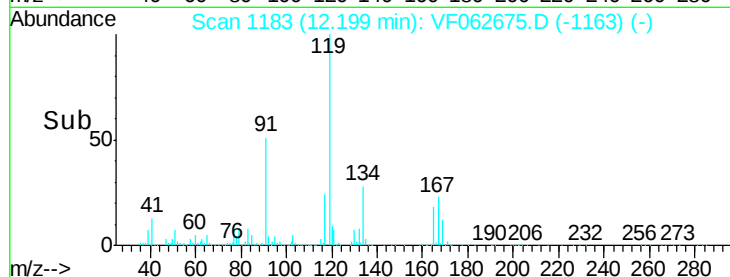
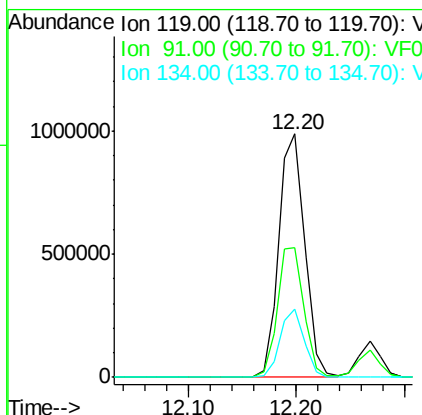
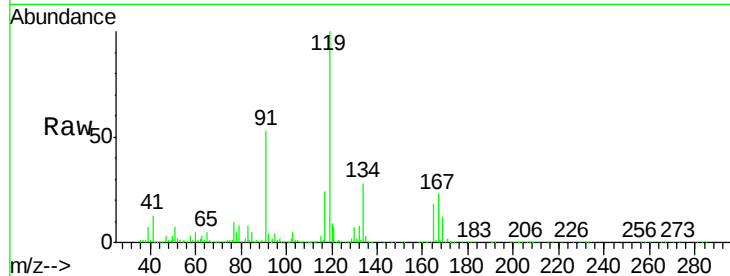
#83
tert-Butylbenzene
Concen: 52.716 ug/l
RT: 12.20 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Instrument :
MSVOA_F
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	53.0	27.3	81.9
134	28.2	13.6	40.7

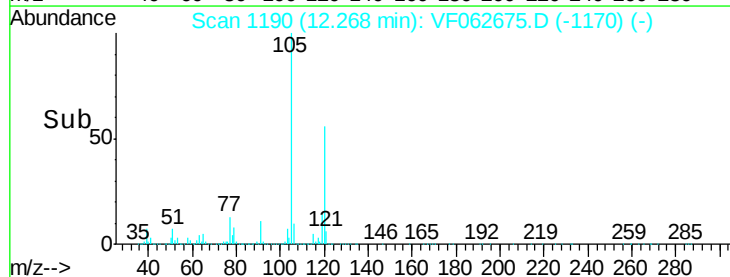
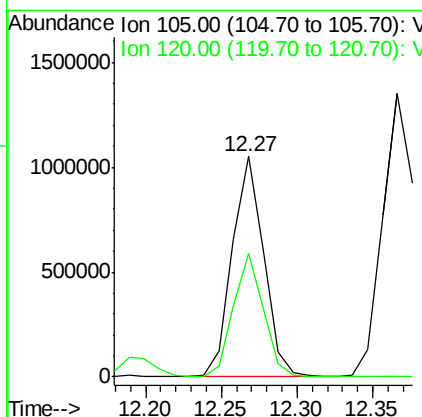
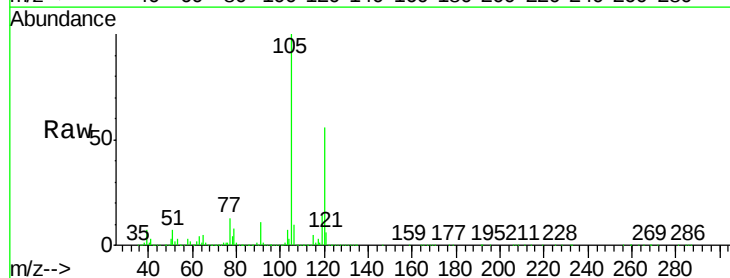
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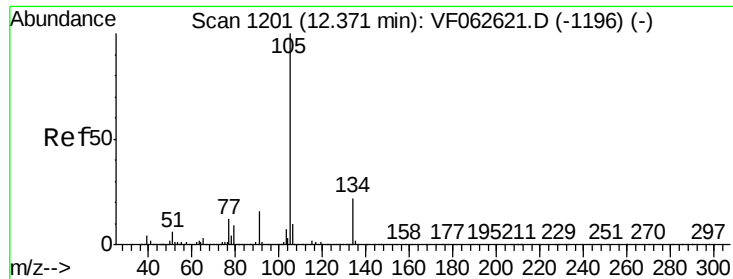
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5/22/2019 4:20:49 PM



#84
1,2,4-Trimethylbenzene
Concen: 50.574 ug/l
RT: 12.27 min Scan# 1190
Delta R.T. -0.01 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	56.0	26.7	80.1





#85

sec-Butylbenzene

Concen: 48.408 ug/l

RT: 12.37 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 2043518

Ion Ratio Lower Upper

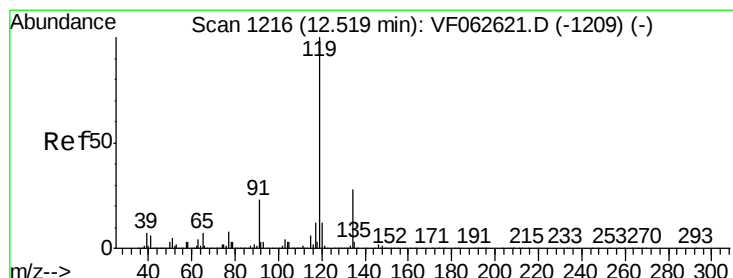
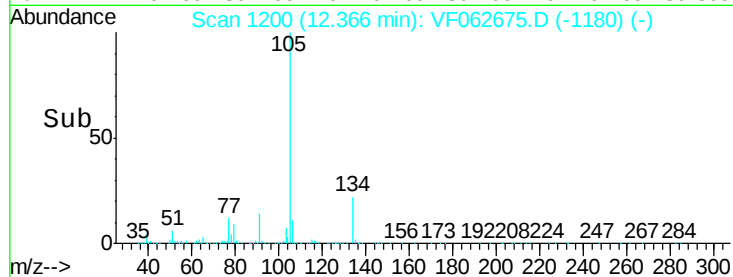
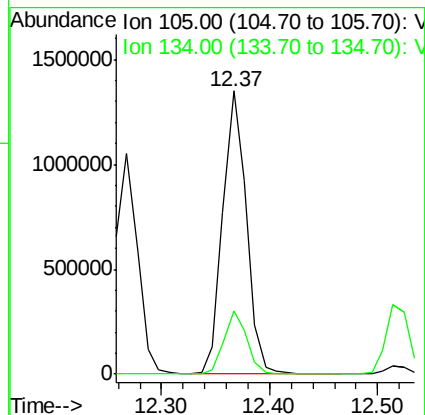
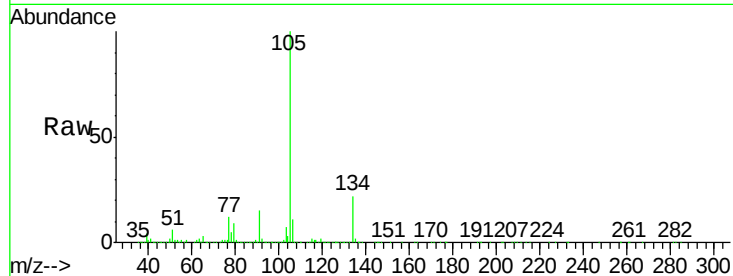
105 100

134 22.2 10.8 32.4

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5/22/2019 4:20:49 PM



#86

p-Isopropyltoluene

Concen: 48.645 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.01 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

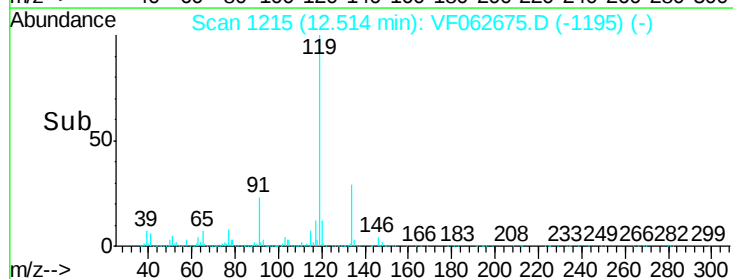
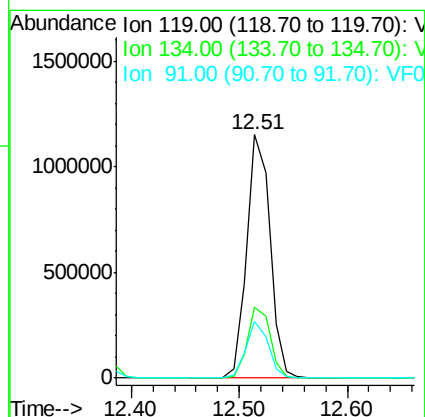
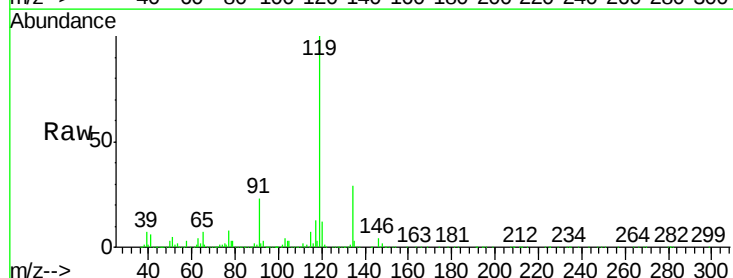
Tgt Ion:119 Resp: 1730608

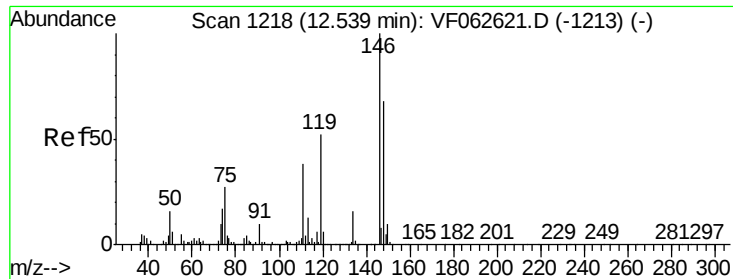
Ion Ratio Lower Upper

119 100

134 29.0 14.1 42.3

91 23.1 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 49.311 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

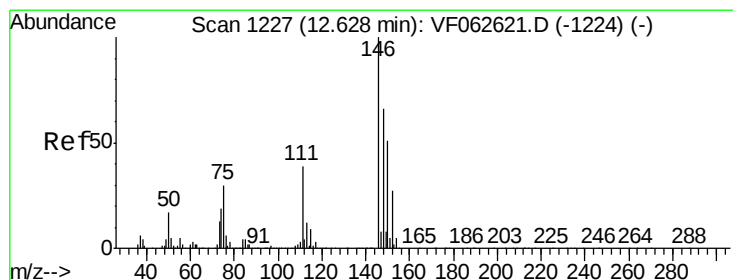
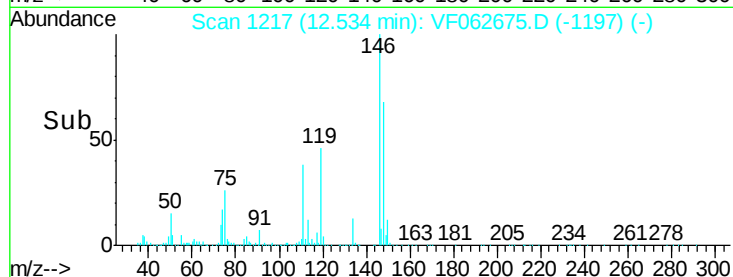
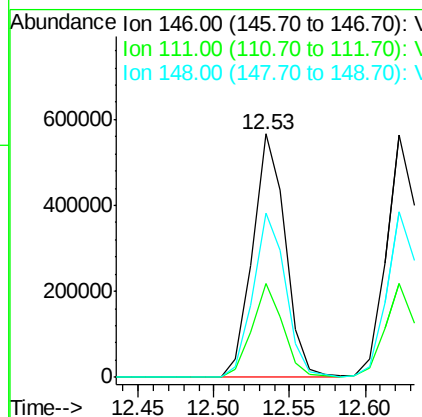
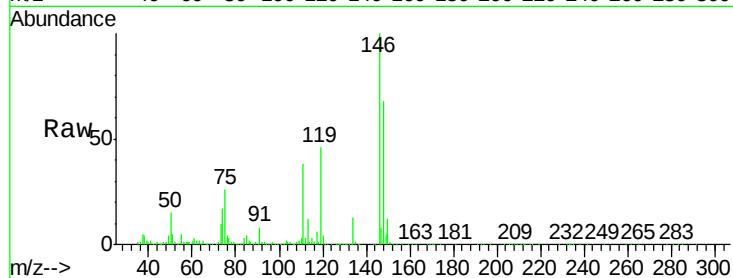
Instrument :
MSVOA_F

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.9	56.9
148	67.7	34.0	101.8

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#88

1,4-Dichlorobenzene

Concen: 51.221 ug/l

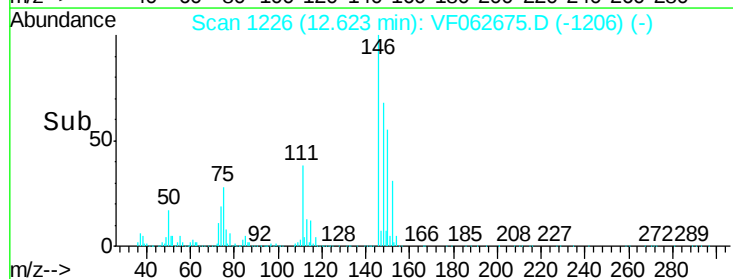
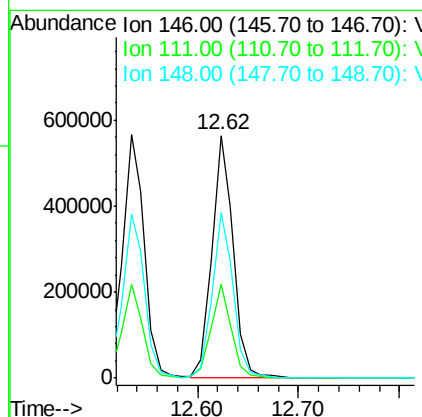
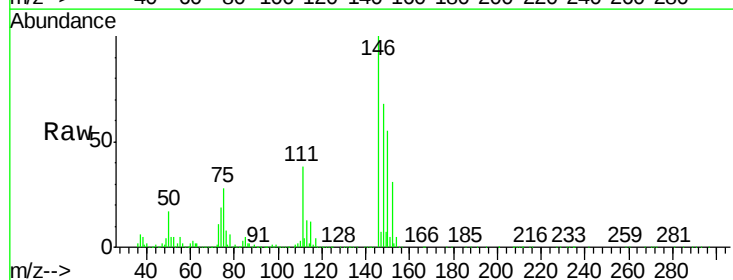
RT: 12.62 min Scan# 1226

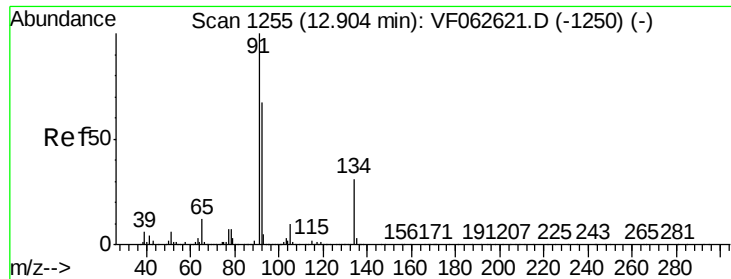
Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.4	58.2
148	68.3	33.2	99.6





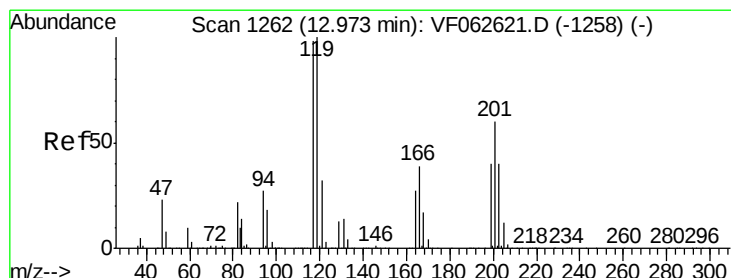
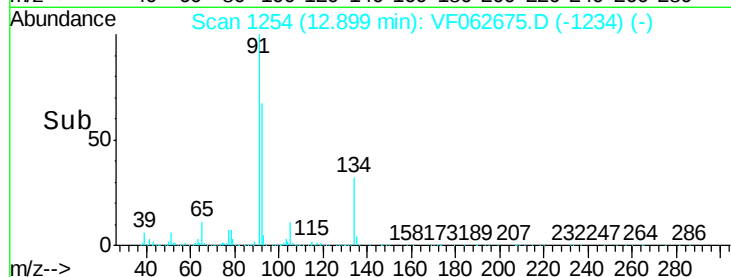
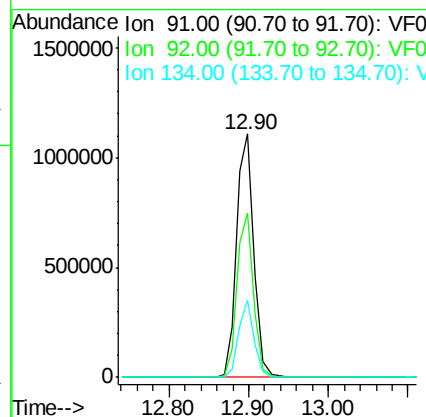
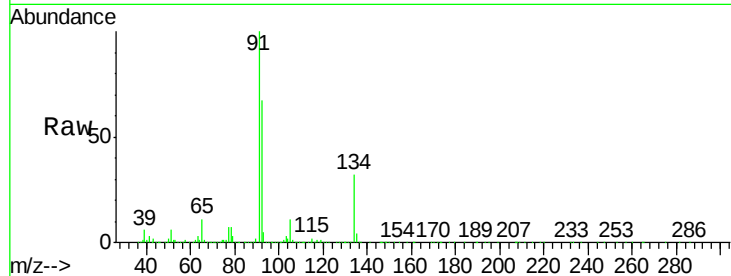
#89
n-Butylbenzene
Concen: 47.936 ug/l
RT: 12.90 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	67.3	33.3	99.8
134	31.9	15.4	46.4

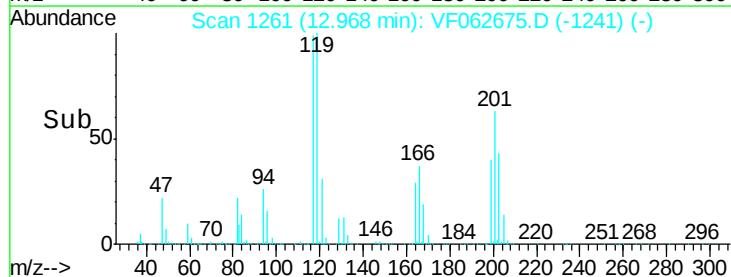
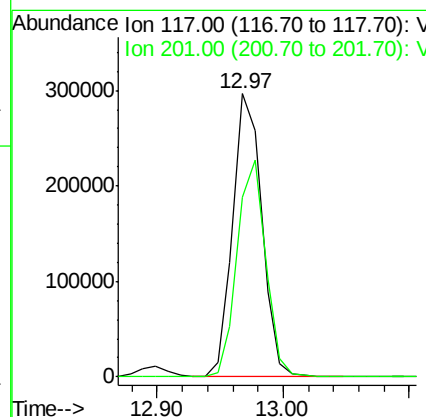
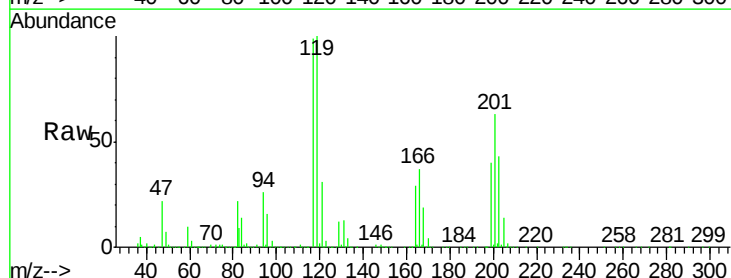
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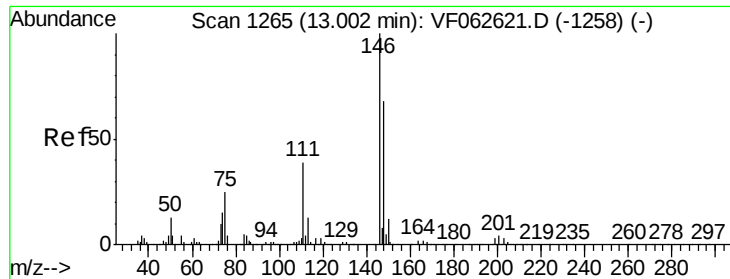
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5/22/2019 4:20:49 PM



#90
Hexachloroethane
Concen: 55.179 ug/l
RT: 12.97 min Scan# 1261
Delta R.T. -0.01 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.7	30.7	92.1





#91

1,2-Dichlorobenzene

Concen: 52.378 ug/l

RT: 13.00 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

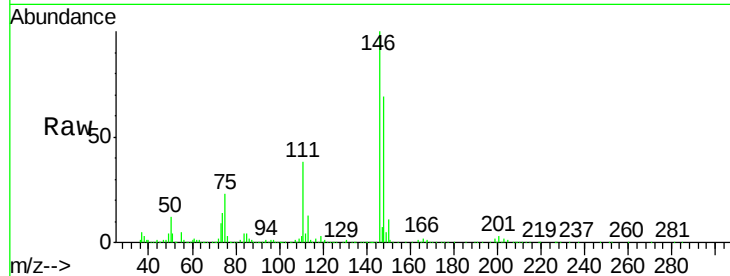
ClientSampleId :

VSTDCCC050

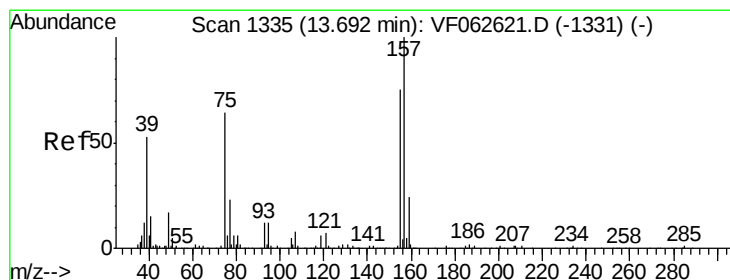
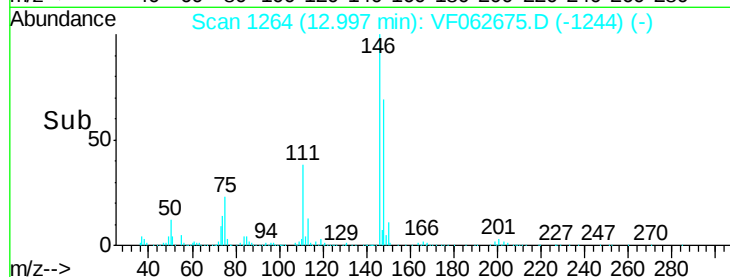
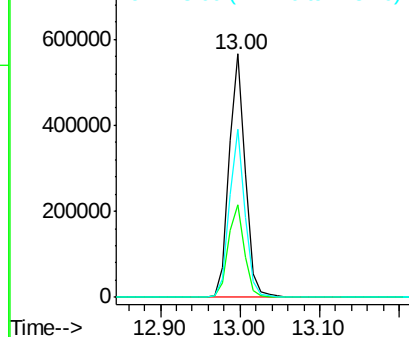
Tot Ion:	146	Resp:	811878
Ion Ratio	Lower	Upper	
146	100		
111	37.9	19.8	59.3
148	69.0	34.1	102.2

Manual Integrations
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5/22/2019 4:20:49 PM



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 57.657 ug/l

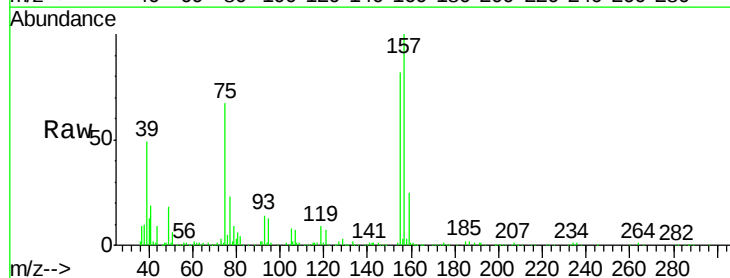
RT: 13.69 min Scan# 1334

Delta R.T. -0.00 min

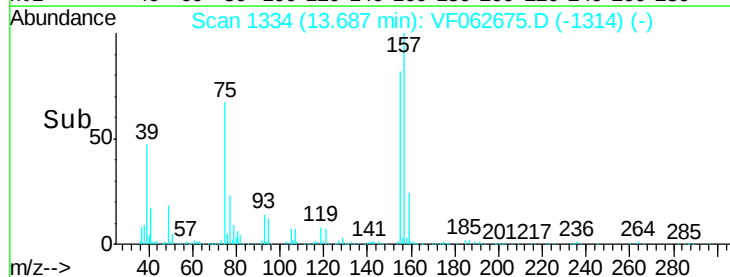
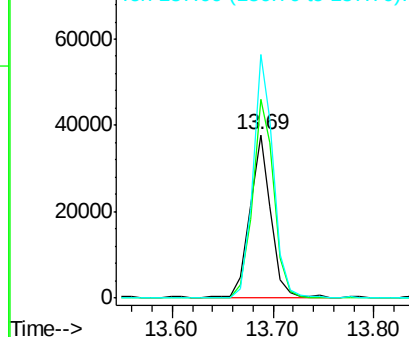
Lab File: VF062675.D

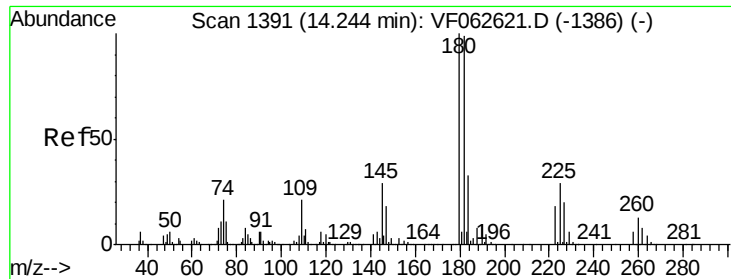
Acq: 21 May 2019 10:21

Tgt Ion:	75	Resp:	54353
Ion Ratio	Lower	Upper	
75	100		
155	122.0	58.1	174.3
157	148.9	77.8	233.4



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 155.00 (154.70 to 155.70): V
Ion 157.00 (156.70 to 157.70): V





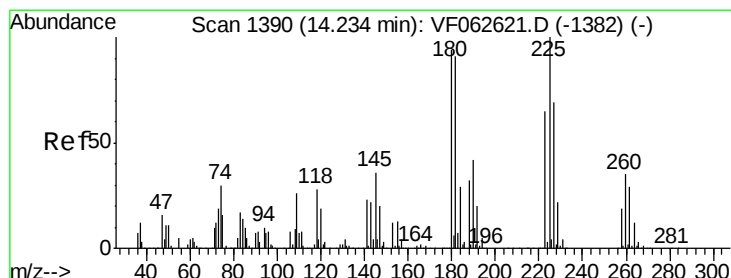
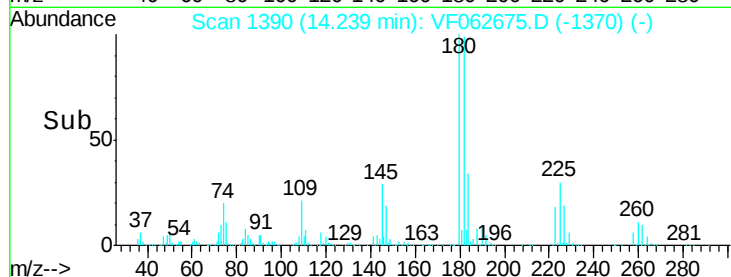
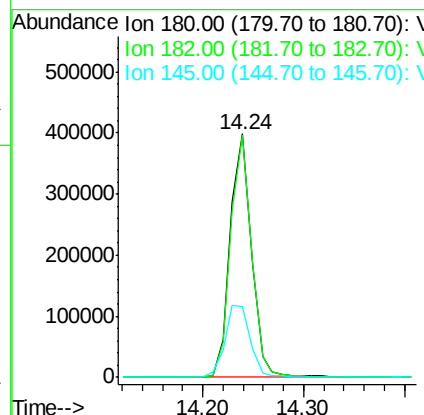
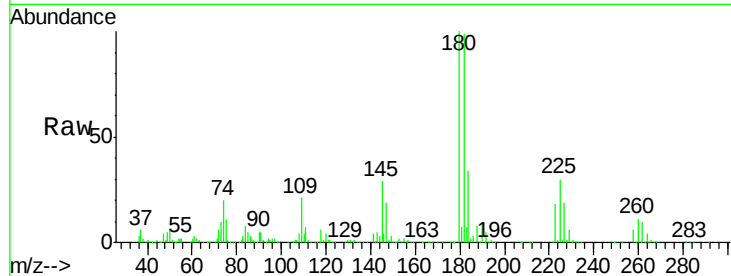
#93
 1,2,4-Trichlorobenzene
 Concen: 53.058 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062675.D
 Acq: 21 May 2019 10:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	588692		
182	99.3	49.7	149.1	
145	29.3	14.6	44.0	

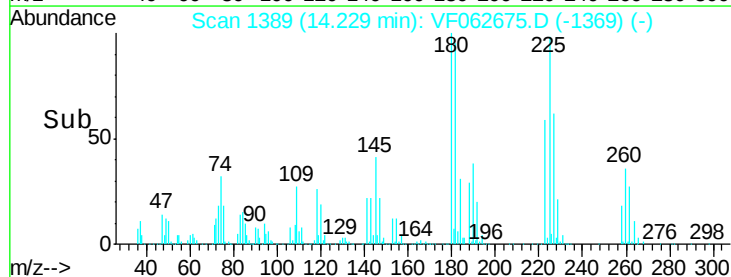
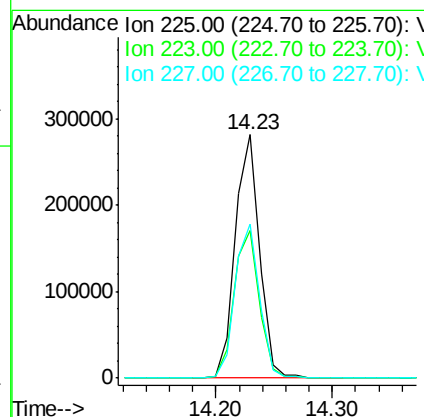
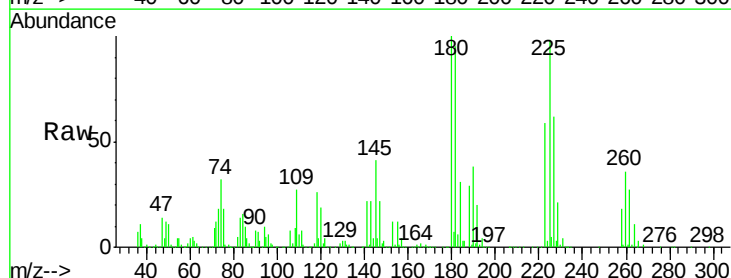
Manual Integrations
 APPROVED

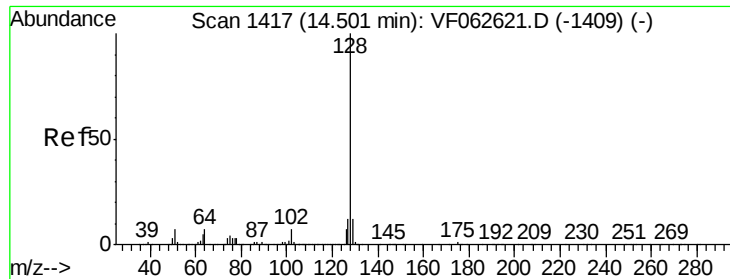
MMDadoda
 5/22/2019 4:20:49 PM



#94
 Hexachlorobutadiene
 Concen: 52.764 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VF062675.D
 Acq: 21 May 2019 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	408551		
223	60.7	32.5	97.4	
227	63.4	34.5	103.5	





#95

Naphthalene

Concen: 53.061 ug/l

RT: 14.50 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

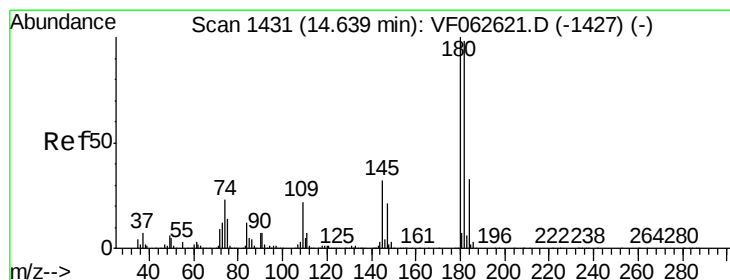
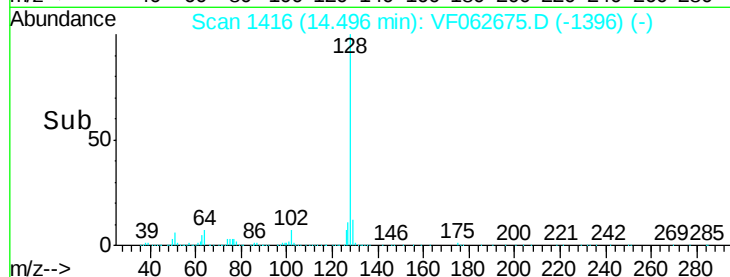
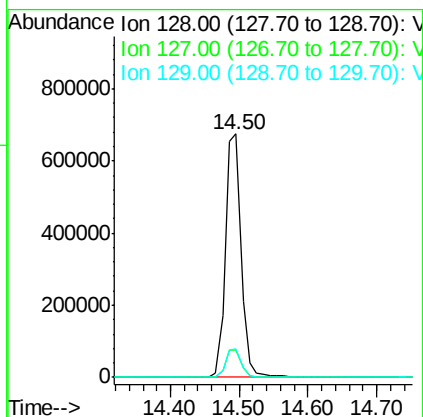
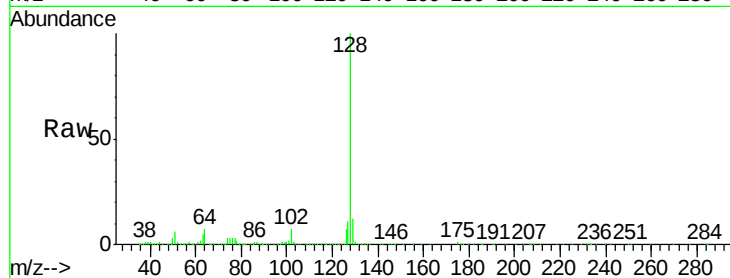
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	1069544
Ion	Ratio	Lower	Upper
128	100		
127	11.4	9.7	14.5
129	11.6	9.3	13.9

Manual Integrations
APPROVED

MMDadoda
5/22/2019 4:20:49 PM



#96

1,2,3-Trichlorobenzene

Concen: 53.865 ug/l

RT: 14.63 min Scan# 1430

Delta R.T. -0.01 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Tgt Ion:	180	Resp:	566096
Ion	Ratio	Lower	Upper
180	100		
182	97.5	48.9	146.7
145	32.0	16.1	48.2

