

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060619\
 Data File : VF062875.D
 Acq On : 6 Jun 2019 10:56
 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
 6/7/2019 4:03:52 PM

Quant Time: Jun 07 01:41:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	848732	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1390704	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	1186667	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	549923	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	271204	46.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.42%	
35) Dibromofluoromethane	4.33	113	474319	45.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.28%	
50) Toluene-d8	7.72	98	1208877	45.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.98%	
62) 4-Bromofluorobenzene	11.51	95	478761	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	403342	41.246	ug/l	96
3) Chloromethane	1.15	50	366970	41.787	ug/l	93
4) Vinyl Chloride	1.20	62	370503	42.456	ug/l	98
5) Bromomethane	1.42	94	241409	48.506	ug/l	94
6) Chloroethane	1.48	64	149468	45.809	ug/l	91
7) Trichlorofluoromethane	1.56	101	568659m	46.029	ug/l	
8) Diethyl Ether	1.72	74	115670	47.588	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.95	101	353669	45.533	ug/l	97
10) Methyl Iodide	2.02	142	717939m	46.099	ug/l	
11) Tert butyl alcohol	2.71	59	86905	244.431	ug/l	97
12) 1,1-Dichloroethene	1.90	96	319310	45.273	ug/l	92
13) Acrolein	2.12	56	27593	192.382	ug/l #	63
14) Allyl chloride	2.21	41	229673	41.975	ug/l	90
15) Acrylonitrile	3.10	53	414640	310.366	ug/l	93
16) Acetone	2.36	43	348012	259.074	ug/l	92
17) Carbon Disulfide	1.94	76	899685m	43.644	ug/l	
18) Methyl Acetate	2.47	43	112415	47.889	ug/l	89
19) Methyl tert-butyl Ether	2.56	73	570419	44.640	ug/l	94
20) Methylene Chloride	2.39	84	315512m	46.708	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	311625m	44.066	ug/l	
22) Diisopropyl ether	2.95	45	671069	43.168	ug/l	96
23) Vinyl Acetate	3.37	43	2406072	226.079	ug/l	98
24) 1,1-Dichloroethane	3.03	63	530614	45.715	ug/l	98
25) 2-Butanone	4.54	43	720281	230.253	ug/l	99
26) 2,2-Dichloropropane	3.80	77	298159	45.241	ug/l	98
27) cis-1,2-Dichloroethene	3.67	96	526913	44.326	ug/l	97
28) Bromochloromethane	3.93	49	303327	48.043	ug/l	94
29) Tetrahydrofuran	4.29	42	266774	222.970	ug/l	94
30) Chloroform	4.08	83	738348	45.136	ug/l	96
31) Cyclohexane	3.89	56	644841m	41.036	ug/l	
32) 1,1,1-Trichloroethane	4.31	97	400386	42.038	ug/l	95
36) 1,1-Dichloropropene	4.49	75	574293	44.857	ug/l	97
37) Ethyl Acetate	4.32	43	236167	48.256	ug/l	92
38) Carbon Tetrachloride	4.21	117	360525	41.667	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	710262	44.575	ug/l	99
40) Benzene	4.85	78	1652092	44.339	ug/l	98
41) Methacrylonitrile	4.95	41	120581	44.320	ug/l	96
42) 1,2-Dichloroethane	5.15	62	314587	44.391	ug/l	93
43) Isopropyl Acetate	7.13	43	283512	43.853	ug/l	100
44) Trichloroethene	5.70	130	471205	44.809	ug/l	97
45) 1,2-Dichloropropane	6.42	63	425419	45.497	ug/l	98
46) Dibromomethane	6.29	93	252654	46.281	ug/l	96
47) Bromodichloromethane	6.57	83	509186	45.799	ug/l #	98
48) Methyl methacrylate	6.90	41	156500	46.971	ug/l	96
49) 1,4-Dioxane	6.90	88	39131	891.009	ug/l #	86
51) 4-Methyl-2-Pentanone	8.41	43	1157564	250.791	ug/l	99
52) Toluene	7.79	92	957383	47.705	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	435469	47.268	ug/l	98
54) cis-1,3-Dichloropropene	7.48	75	598890	44.909	ug/l	98
55) 1,1,2-Trichloroethane	8.65	97	303085	50.551	ug/l	97
56) Ethyl methacrylate	8.77	69	342411	53.227	ug/l	95
57) 1,3-Dichloropropane	9.02	76	493782	50.433	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.47	63	571726	254.294	ug/l	99
59) 2-Hexanone	9.64	43	915648	278.322	ug/l	93
60) Dibromochloromethane	8.88	129	390082	52.551	ug/l	96
61) 1,2-Dibromoethane	9.14	107	321822	51.684	ug/l	95
64) Tetrachloroethene	8.33	164	364892	40.015	ug/l	92
65) Chlorobenzene	9.95	112	1016507	44.357	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.08	131	411948	45.137	ug/l	97
67) Ethyl Benzene	10.04	91	1724037	43.840	ug/l	98
68) m/p-Xylenes	10.28	106	1295832	86.111	ug/l	98
69) o-Xylene	10.83	106	689938	45.283	ug/l	97
70) Styrene	10.90	104	1011150	45.026	ug/l	99
71) Bromoform	10.89	173	211846	48.386	ug/l #	99
73) Isopropylbenzene	11.22	105	1776838	46.307	ug/l	97
74) N-amyl acetate	11.46	43	517901	47.889	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	400981	48.934	ug/l	97
76) 1,2,3-Trichloropropane	11.87	75	253973	46.758	ug/l	89
77) Bromobenzene	11.59	156	439753	45.612	ug/l	87
78) n-propylbenzene	11.68	91	2029811	43.811	ug/l	95
79) 2-Chlorotoluene	11.81	91	1181180	44.556	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	1376659	43.871	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	122283m	53.176	ug/l	
82) 4-Chlorotoluene	11.98	91	1183807	45.439	ug/l	99
83) tert-Butylbenzene	12.21	119	1445107	46.476	ug/l	94
84) 1,2,4-Trimethylbenzene	12.28	105	1370852	46.076	ug/l	99
85) sec-Butylbenzene	12.38	105	1861488	45.434	ug/l	99
86) p-Isopropyltoluene	12.53	119	1534801	45.005	ug/l	96
87) 1,3-Dichlorobenzene	12.54	146	745617	43.852	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	715130	45.067	ug/l	98
89) n-Butylbenzene	12.91	91	1532733	44.680	ug/l	96
90) Hexachloroethane	12.98	117	389213	46.794	ug/l	83
91) 1,2-Dichlorobenzene	13.01	146	691360	46.260	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.70	75	44871	50.262	ug/l	95

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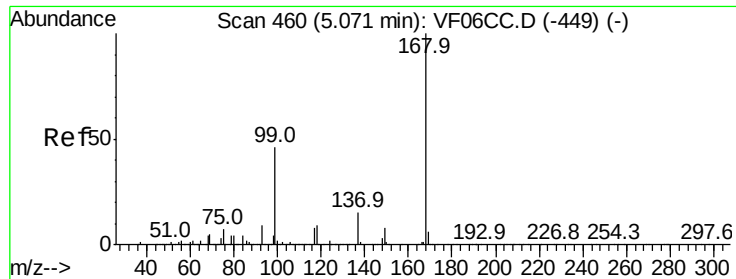
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	438972	42.779	ug/l	98
94) Hexachlorobutadiene	14.24	225	311035	43.815	ug/l	99
95) Naphthalene	14.50	128	826474	49.162	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	409740	43.744	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. -0.00 min

Lab File: VF062875.D

Acq: 6 Jun 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 848732

Ion Ratio Lower Upper

168 100

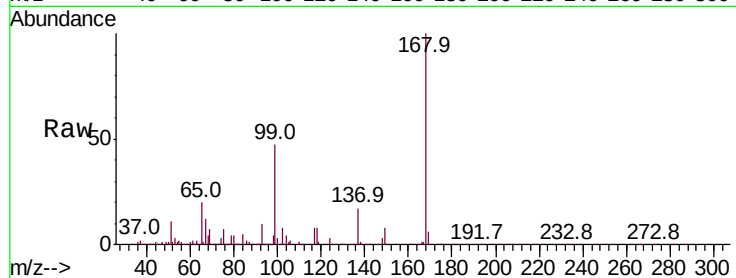
99 46.5 39.1 58.7

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

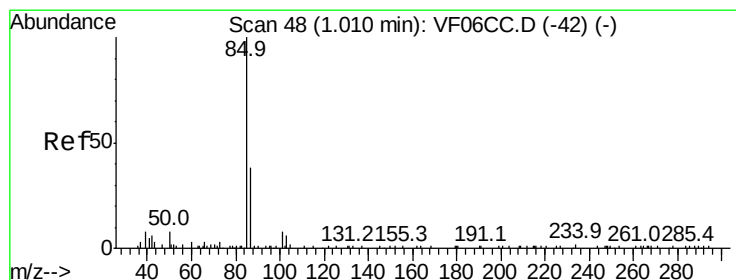
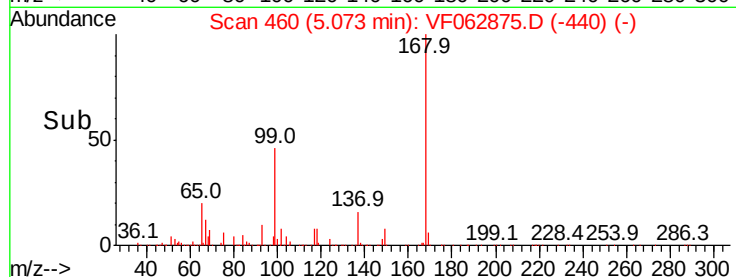
300000

200000

100000

0

Time--> 4.90 5.00 5.10 5.20 5.30



#2

Dichlorodifluoromethane

Concen: 41.246 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062875.D

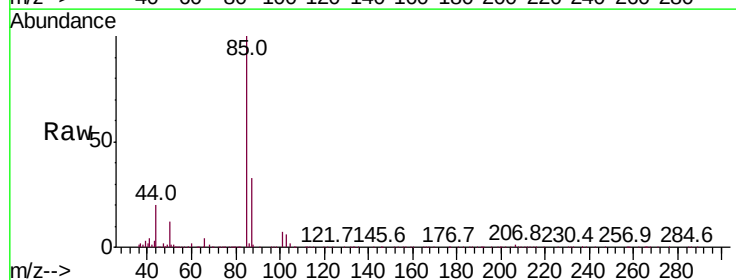
Acq: 6 Jun 2019 10:56

Tgt Ion: 85 Resp: 403342

Ion Ratio Lower Upper

85 100

87 33.2 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

100000

80000

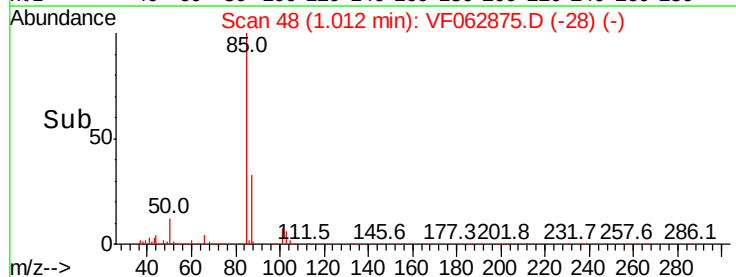
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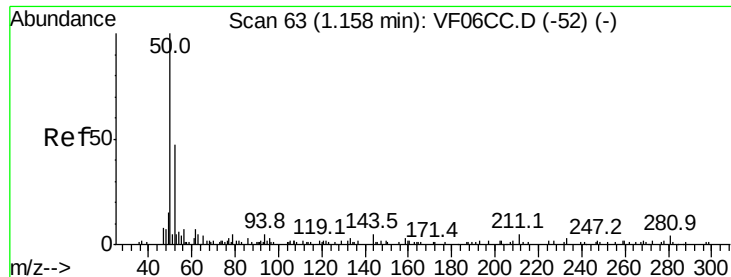
40000

20000

0

Time--> 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 41.787 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF062875.D

Acq: 6 Jun 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 366970

Ion Ratio Lower Upper

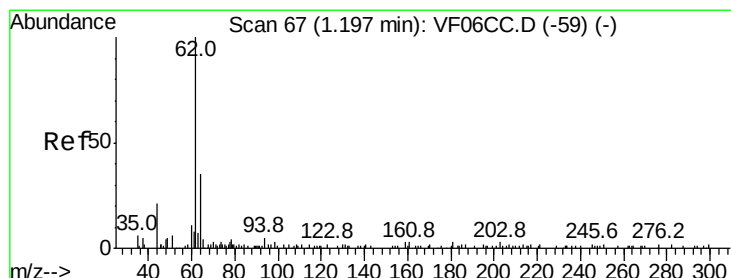
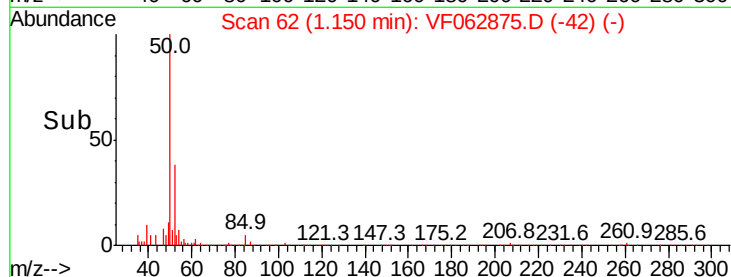
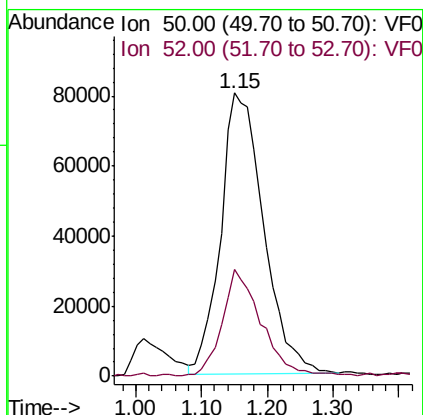
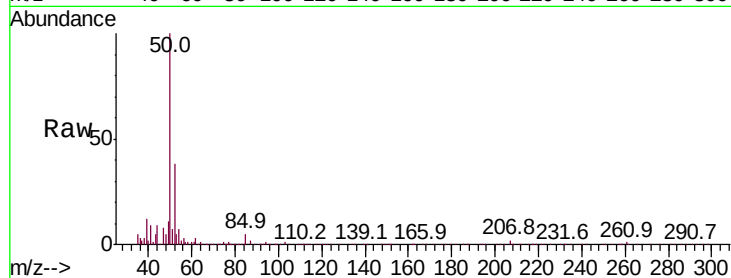
50 100

52 37.8 27.0 40.4

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#4

Vinyl Chloride

Concen: 42.456 ug/l

RT: 1.20 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062875.D

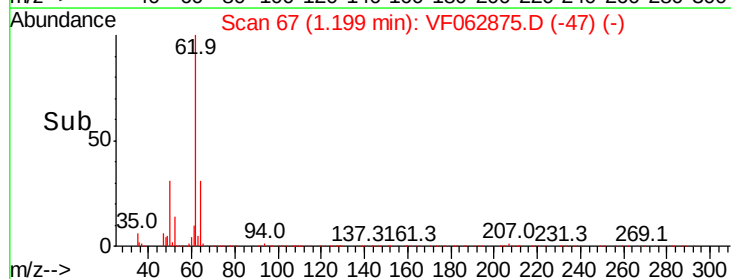
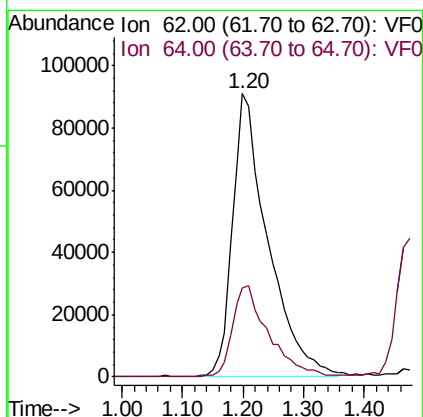
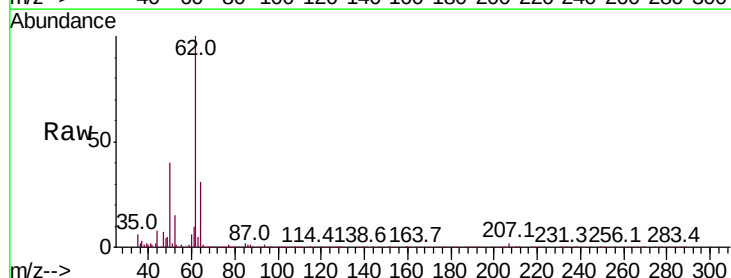
Acq: 6 Jun 2019 10:56

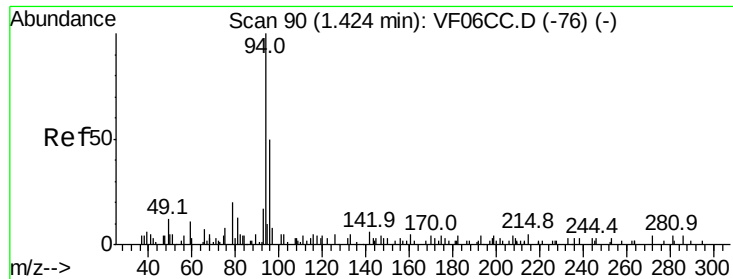
Tgt Ion: 62 Resp: 370503

Ion Ratio Lower Upper

62 100

64 31.4 26.2 39.2





#5

Bromomethane

Concen: 48.506 ug/l

RT: 1.42 min Scan# 89

Delta R.T. 0.01 min

Lab File: VF062875.D

Acq: 6 Jun 2019 10:56

Tot Ion: 94 Resp: 241409

Ion Ratio Lower Upper

94 100

96 86.4 73.8 110.6

Instrument :

MSVOA_F

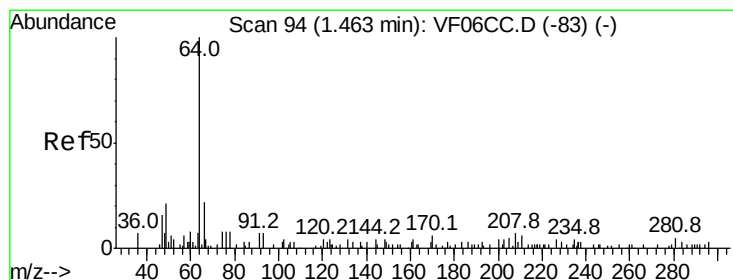
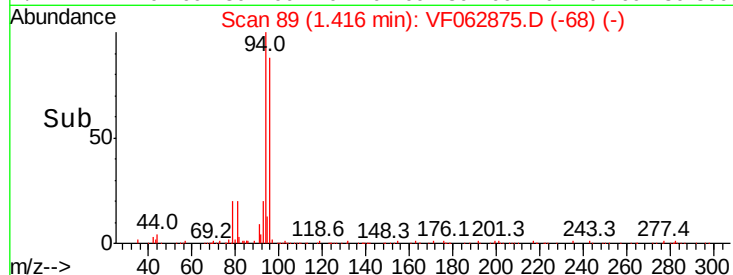
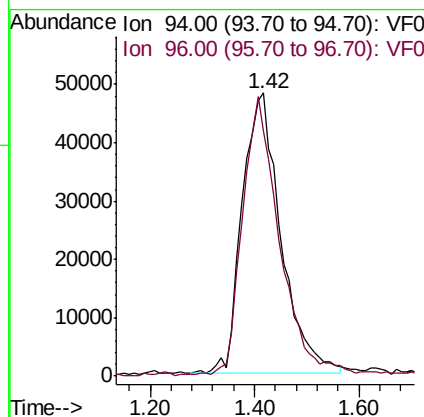
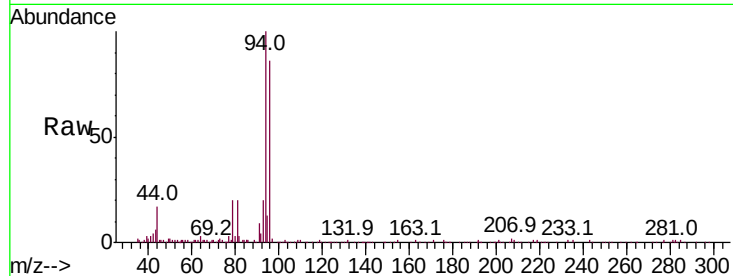
ClientSampleId :

VSTDCCC050

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#6

Chloroethane

Concen: 45.809 ug/l

RT: 1.48 min Scan# 95

Delta R.T. 0.01 min

Lab File: VF062875.D

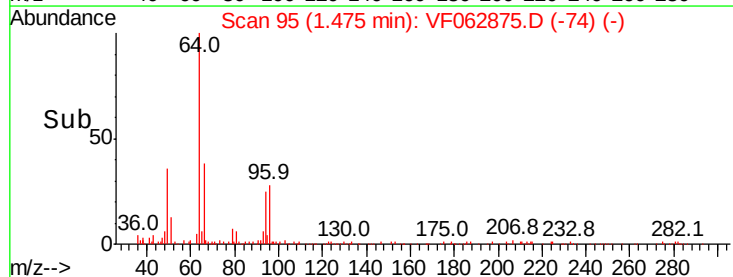
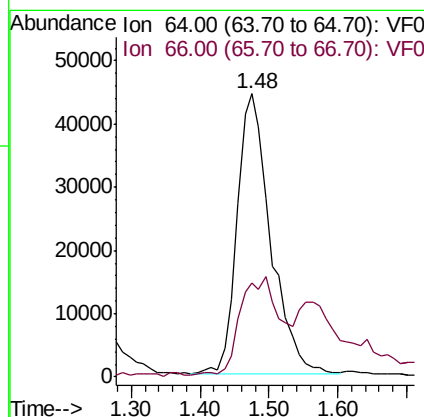
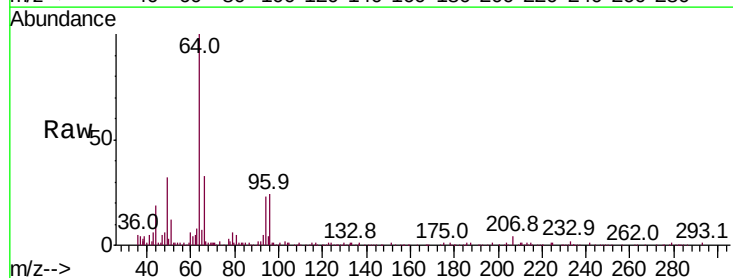
Acq: 6 Jun 2019 10:56

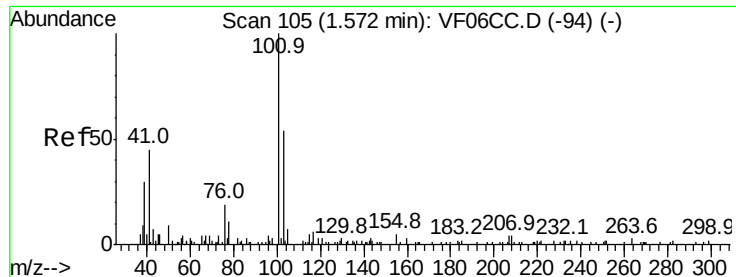
Tgt Ion: 64 Resp: 149468

Ion Ratio Lower Upper

64 100

66 33.1 31.0 46.4





#7

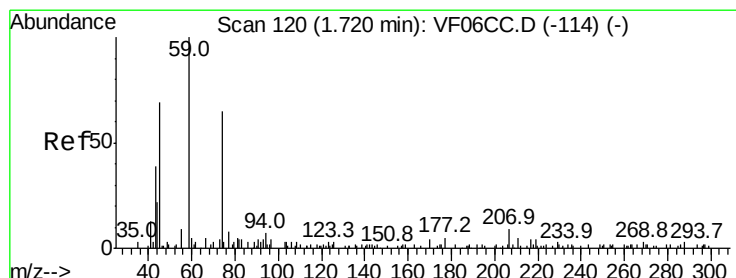
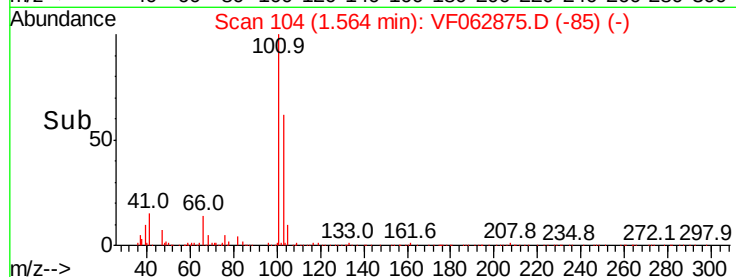
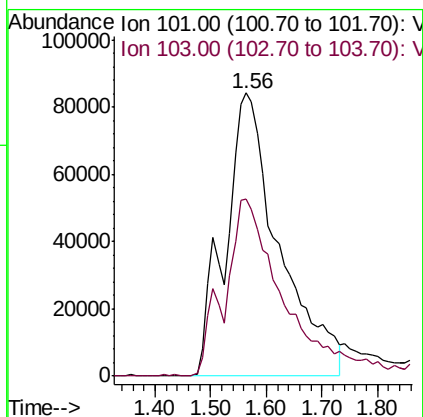
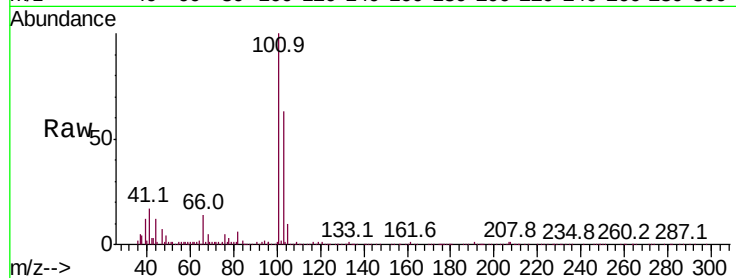
Trichlorofluoromethane
Concen: 46.029 ug/l m
RT: 1.56 min Scan# 104
Delta R.T. -0.01 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 568659
Ion Ratio Lower Upper
101 100
103 62.5 54.6 82.0

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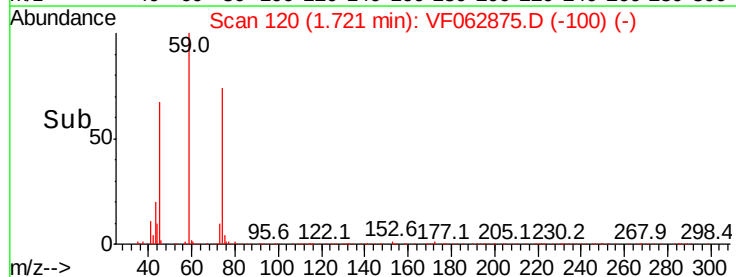
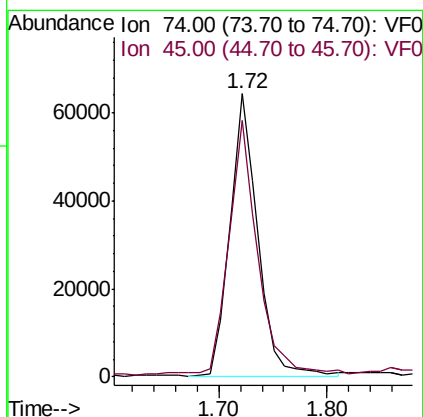
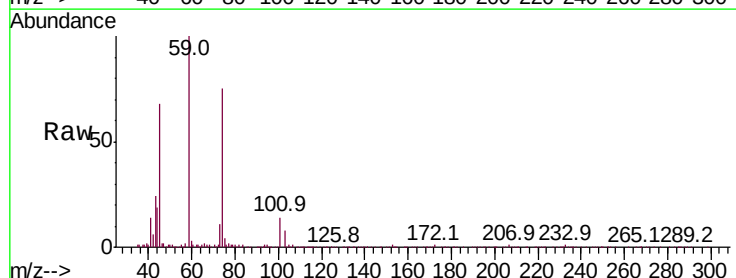
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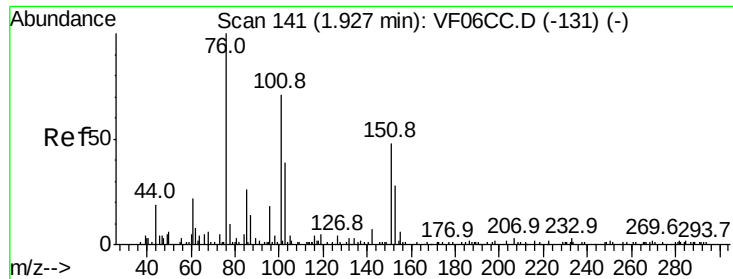


#8

Diethyl Ether
Concen: 47.588 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.00 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Tgt Ion: 74 Resp: 115670
Ion Ratio Lower Upper
74 100
45 90.8 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.533 ug/l

RT: 1.95 min Scan# 143

Delta R.T. 0.01 min

Lab File: VF062875.D

Acq: 6 Jun 2019 10:56

Instrument :

MSVOA_F

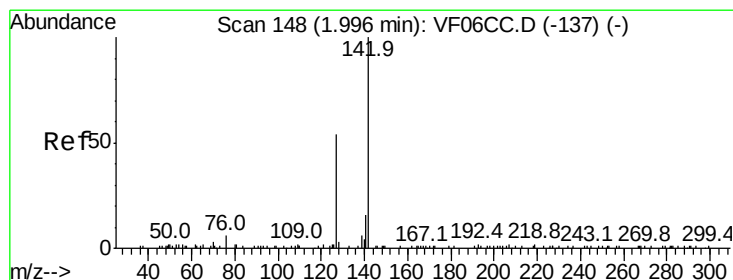
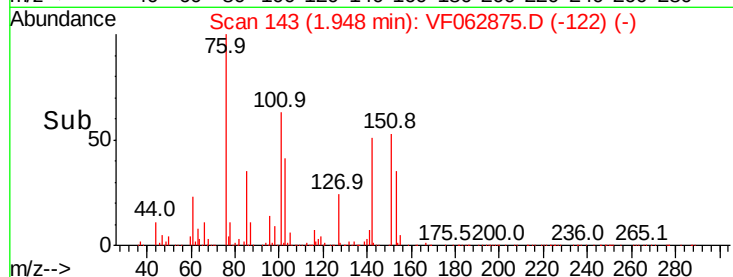
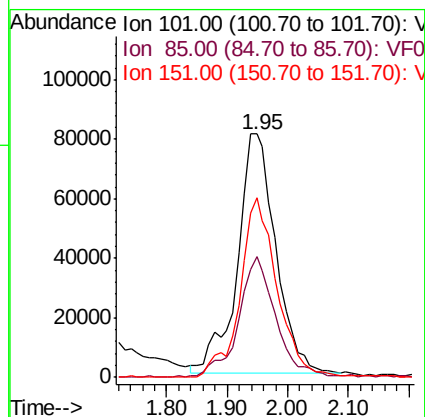
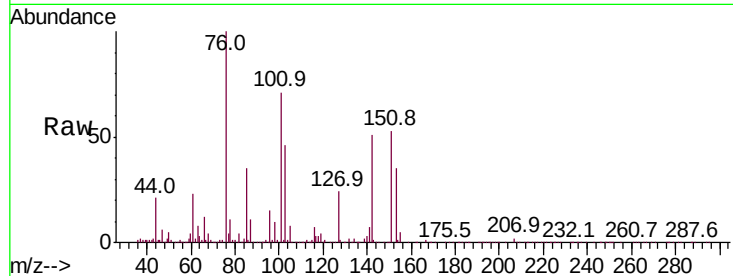
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	353669
Ion Ratio	Lower	Upper	
101	100		
85	49.5	37.1	55.7
151	73.9	60.3	90.5

Manual Integrations
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#10

Methyl Iodide

Concen: 46.099 ug/l m

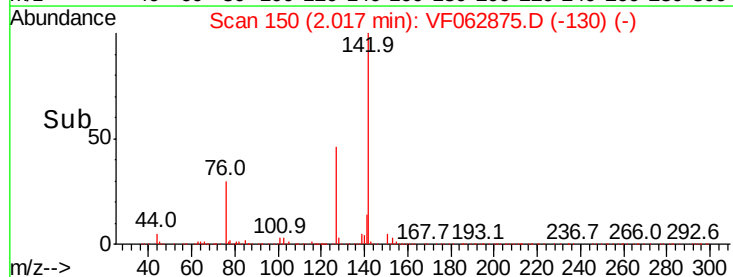
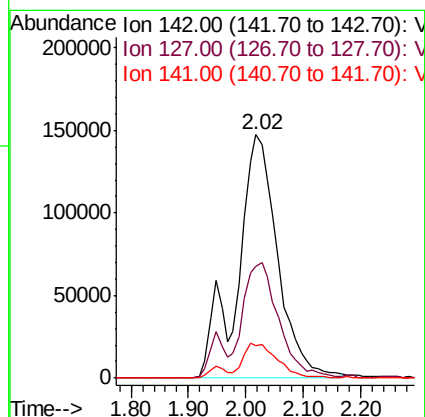
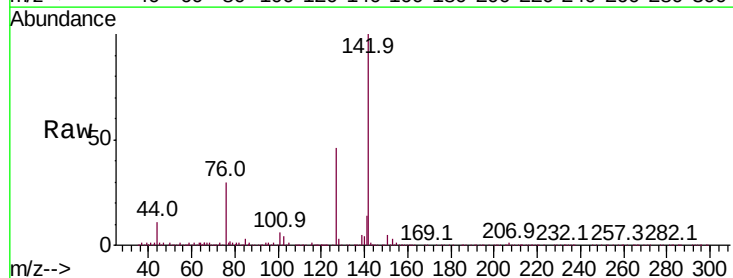
RT: 2.02 min Scan# 150

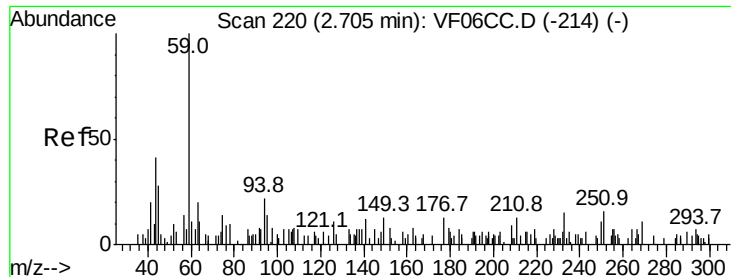
Delta R.T. -0.00 min

Lab File: VF062875.D

Acq: 6 Jun 2019 10:56

Tgt Ion:	142	Resp:	717939
Ion Ratio	Lower	Upper	
142	100		
127	46.2	39.4	59.2
141	13.6	10.6	15.8





#11

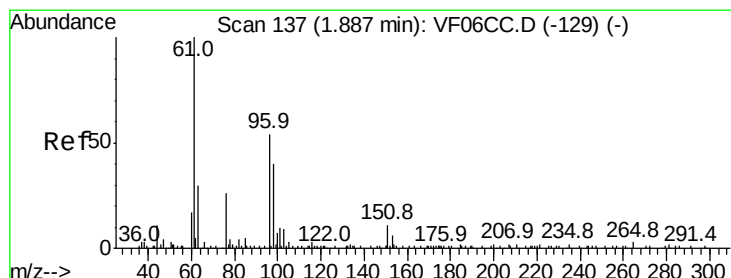
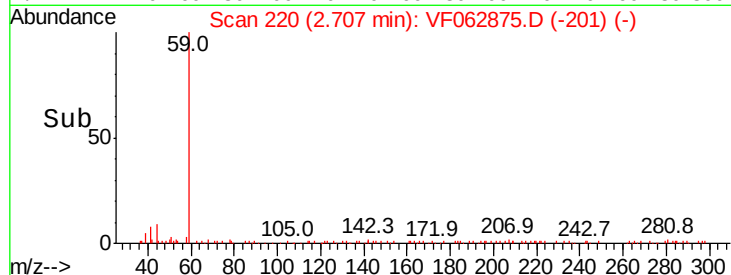
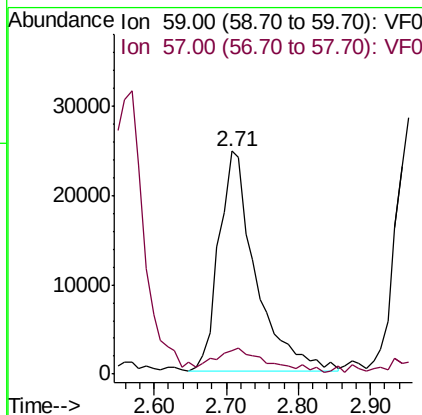
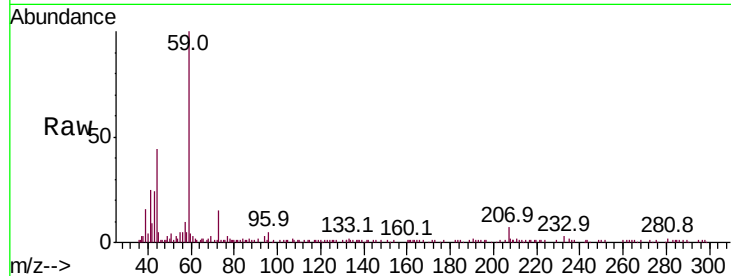
Tert butyl alcohol
Concen: 244.431 ug/l
RT: 2.71 min Scan# 220
Delta R.T. -0.01 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	86905
Ion Ratio	100	Lower	Upper
57	10.4	9.2	13.8

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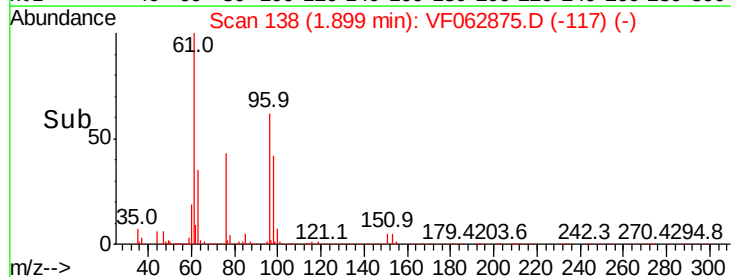
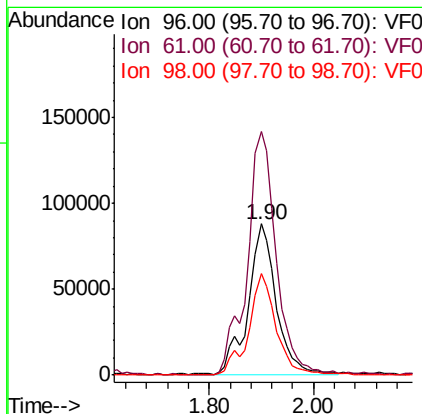
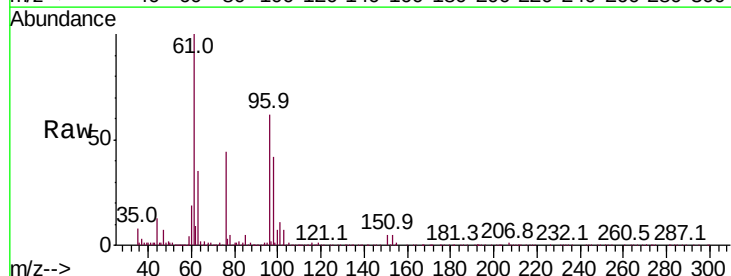
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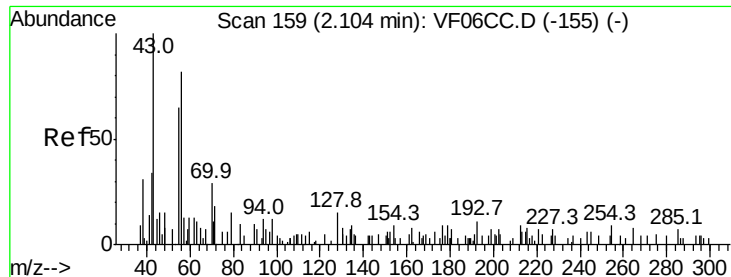


#12

1,1-Dichloroethene
Concen: 45.273 ug/l
RT: 1.90 min Scan# 138
Delta R.T. 0.01 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Tgt Ion	96	Resp	319310
Ion Ratio	100	Lower	Upper
61	160.9	139.4	209.2
98	66.9	50.3	75.5





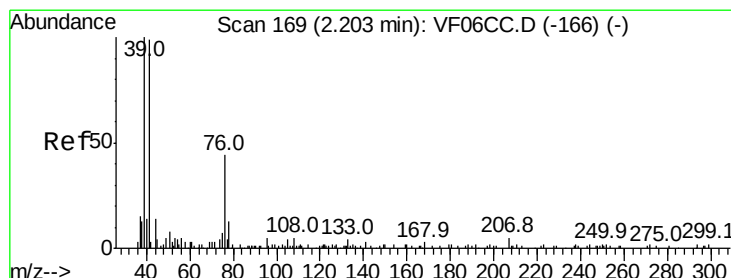
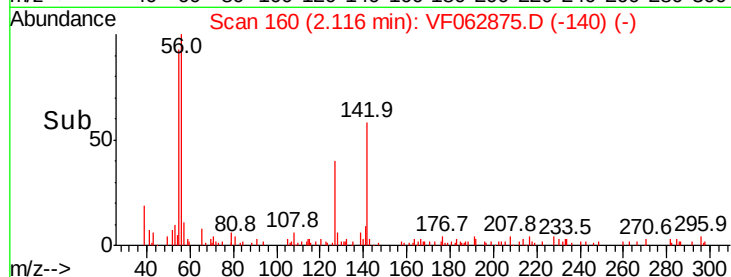
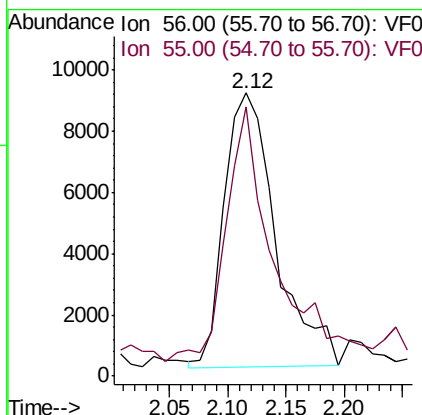
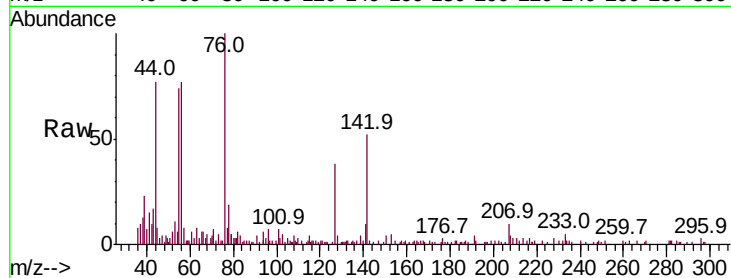
#13
Acrolein
Concen: 192.382 ug/l
RT: 2.12 min Scan# 160
Delta R.T. 0.00 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 27593
Ion Ratio Lower Upper
56 100
55 95.2 52.9 79.3#

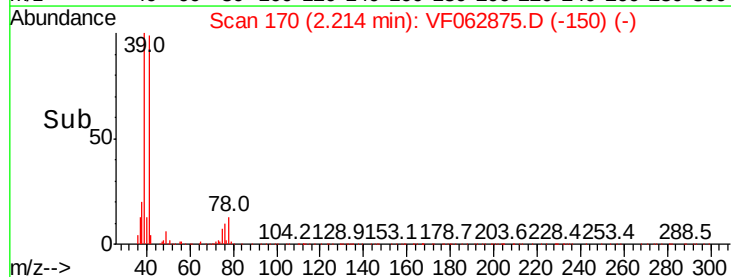
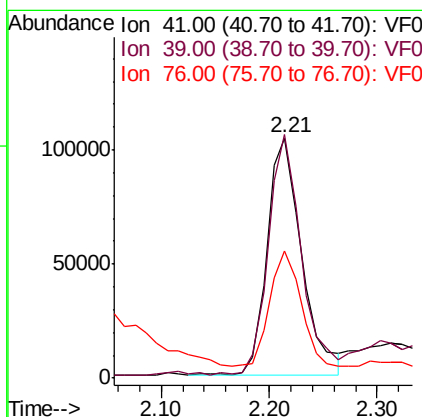
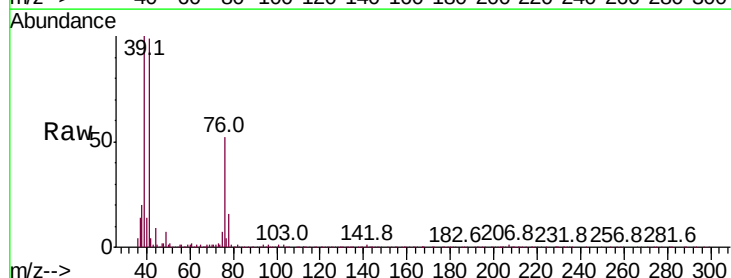
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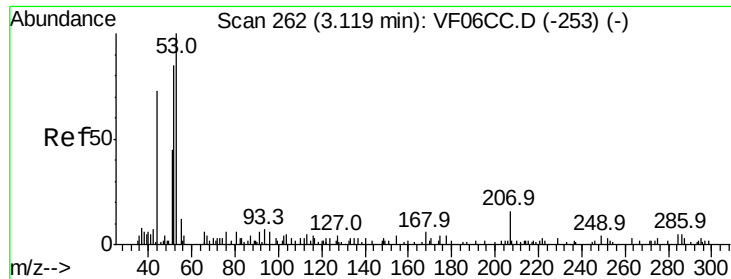
MMDadoda
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#14
Allyl chloride
Concen: 41.975 ug/l
RT: 2.21 min Scan# 170
Delta R.T. -0.00 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Tgt Ion: 41 Resp: 229673
Ion Ratio Lower Upper
41 100
39 101.4 71.9 107.9
76 52.7 39.6 59.4





#15

Acrylonitrile

Concen: 310.366 ug/l

RT: 3.10 min Scan# 260

Delta R.T. -0.01 min

Lab File: VF062875.D

Acq: 6 Jun 2019 10:56

Instrument :

MSVOA_F

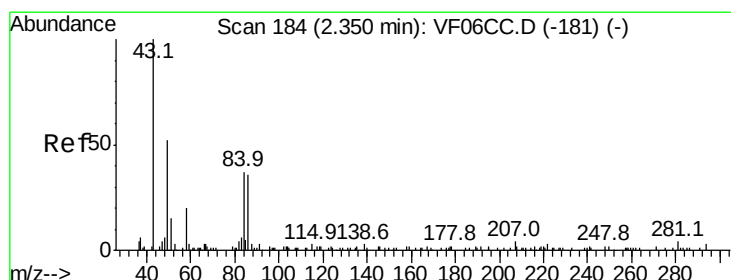
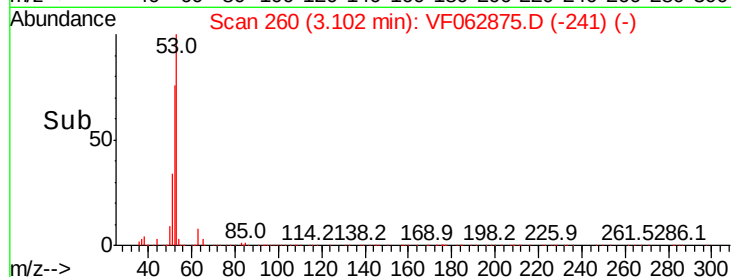
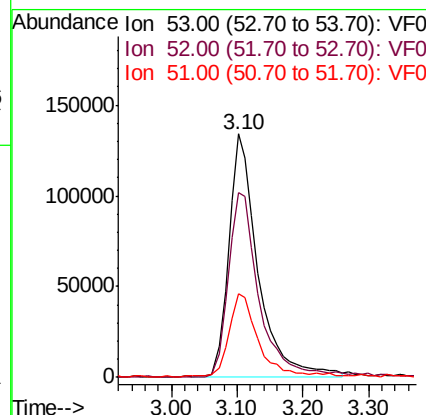
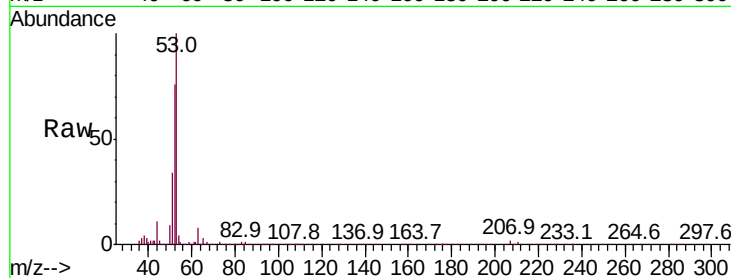
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	414640
Ion Ratio	Lower	Upper	
53	100		
52	75.7	68.1	102.1
51	34.5	27.7	41.5

Manual Integrations
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#16

Acetone

Concen: 259.074 ug/l

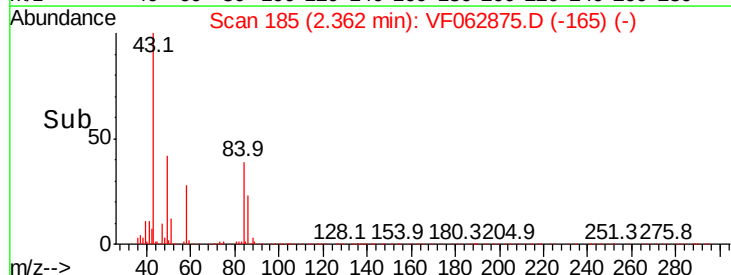
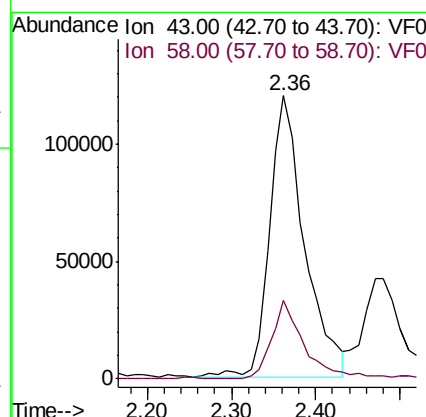
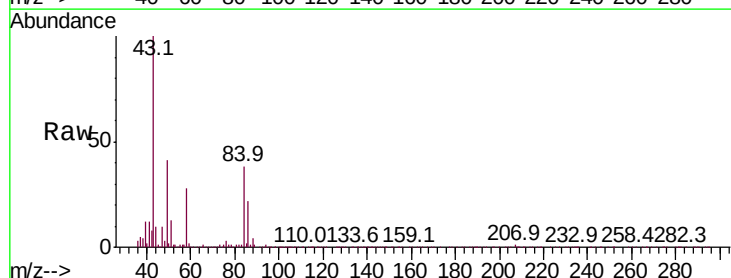
RT: 2.36 min Scan# 185

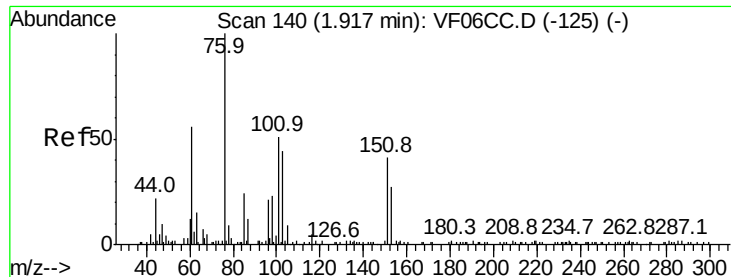
Delta R.T. -0.00 min

Lab File: VF062875.D

Acq: 6 Jun 2019 10:56

Tgt Ion:	43	Resp:	348012
Ion Ratio	Lower	Upper	
43	100		
58	27.7	19.0	28.4





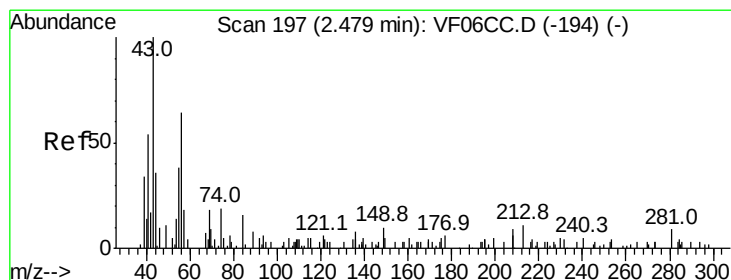
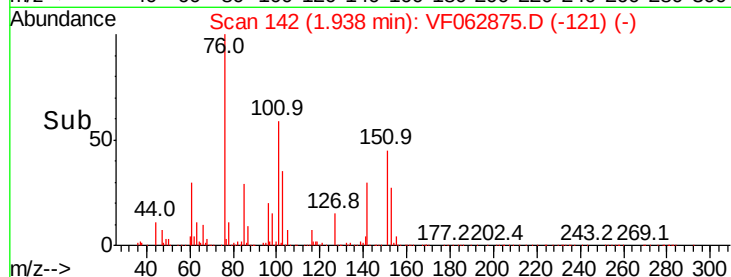
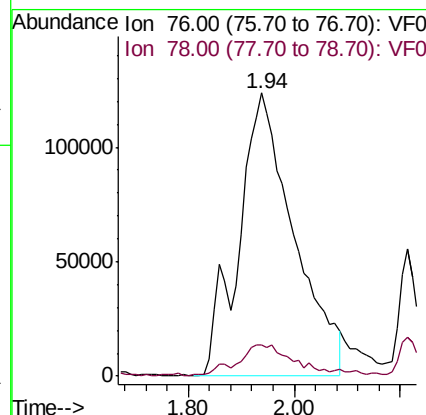
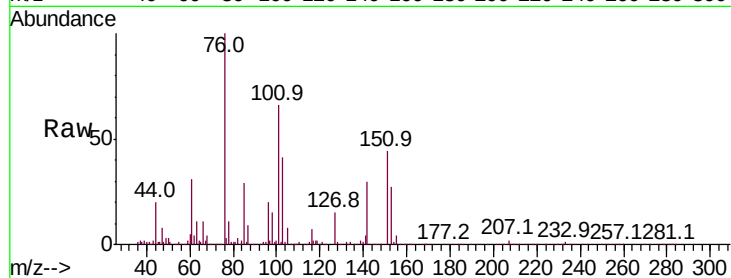
#17
Carbon Disulfide
Concen: 43.644 ug/l m
RT: 1.94 min Scan# 142
Delta R.T. 0.01 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	11.1	9.4	14.2

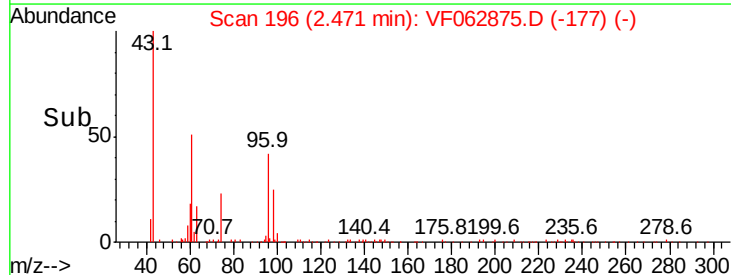
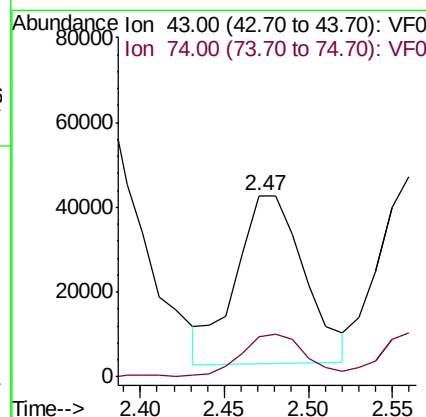
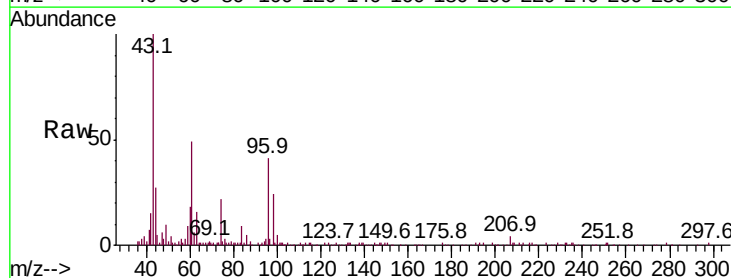
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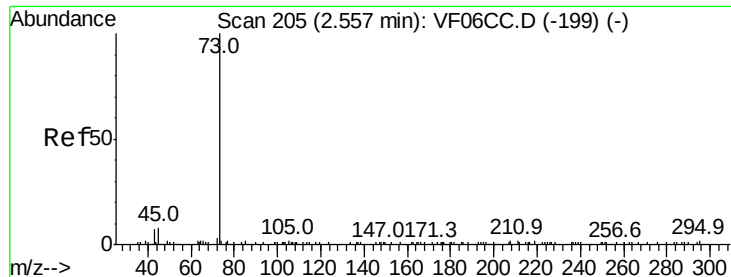
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#18
Methyl Acetate
Concen: 47.889 ug/l
RT: 2.47 min Scan# 196
Delta R.T. -0.01 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.1	22.1	33.1





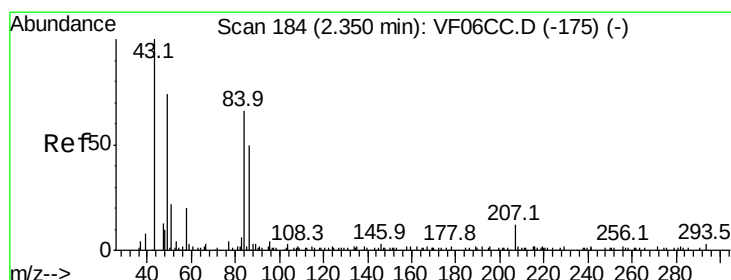
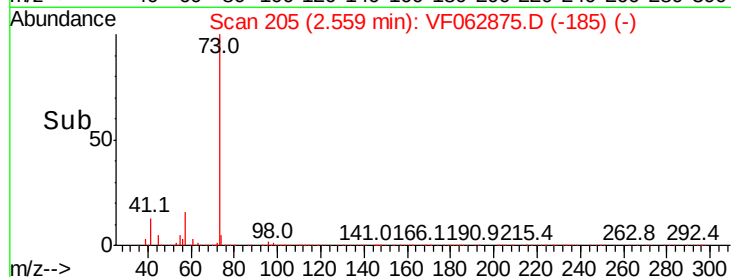
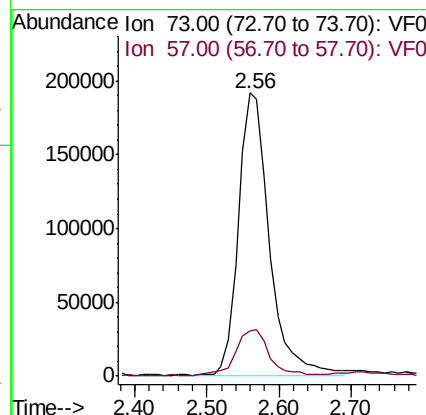
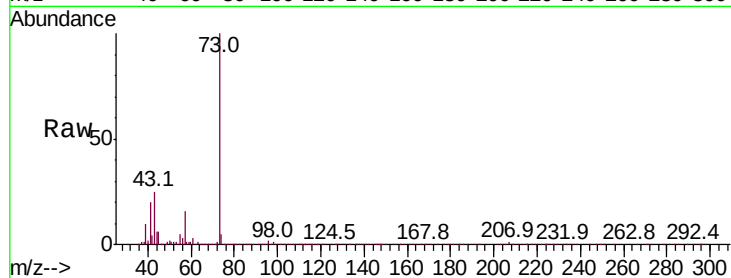
#19
Methyl tert-butyl Ether
Concen: 44.640 ug/l
RT: 2.56 min Scan# 205
Delta R.T. -0.00 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.0	15.1	22.7

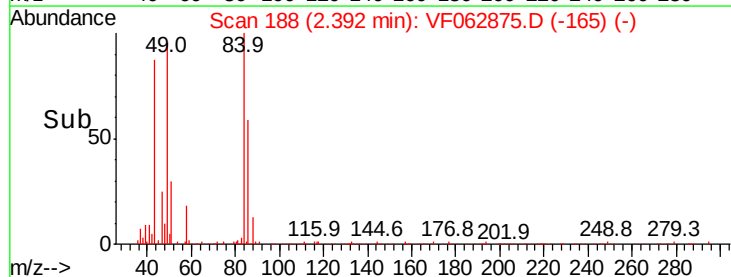
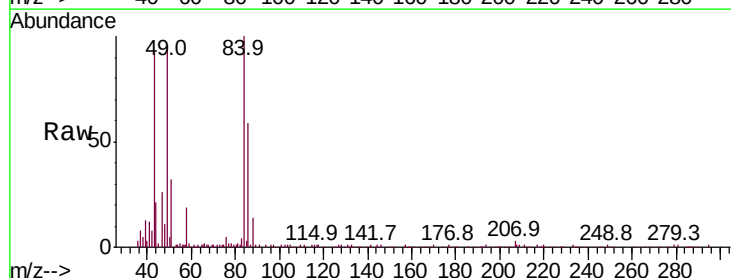
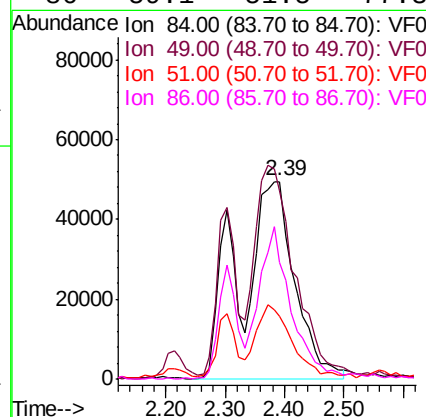
Manual Integrations
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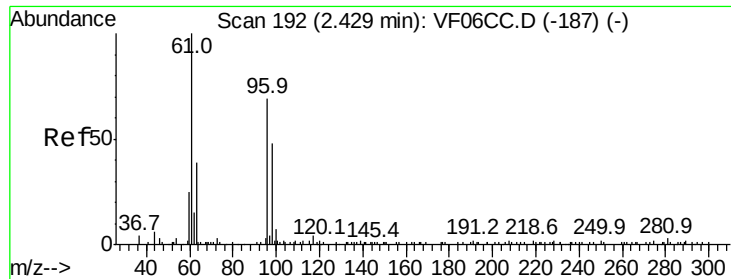
MMDadoda
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#20
Methylene Chloride
Concen: 46.708 ug/l m
RT: 2.39 min Scan# 188
Delta R.T. 0.03 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	95.3	82.6	123.8
51	31.9	25.0	37.4
86	59.1	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 44.066 ug/l m

RT: 2.44 min Scan# 193

Delta R.T. -0.00 min

Lab File: VF062875.D

Acq: 6 Jun 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 311625

Ion Ratio Lower Upper

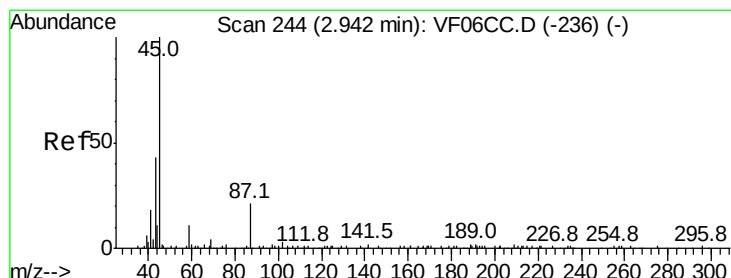
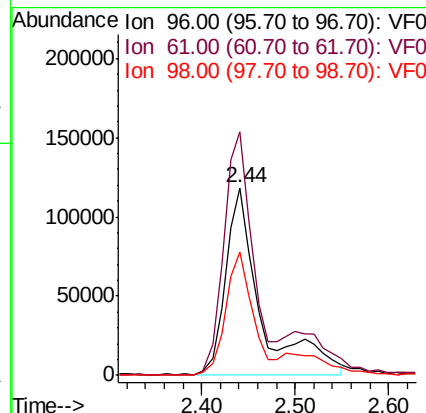
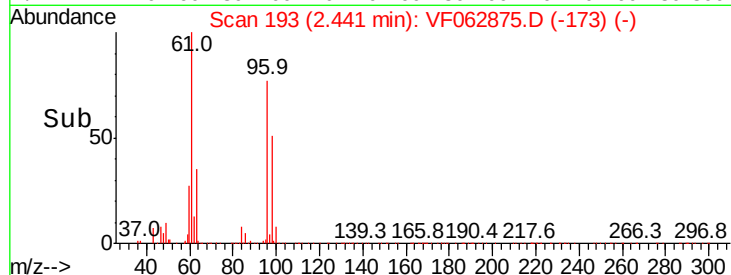
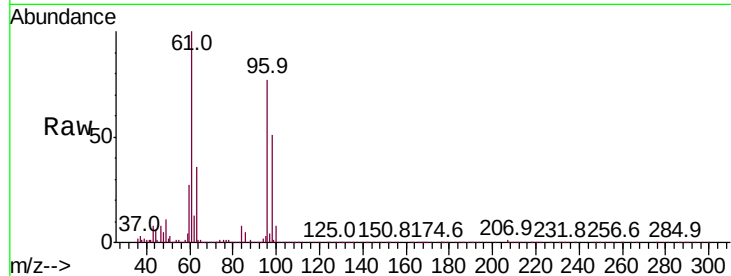
96 100

61 129.6 105.0 157.6

98 65.9 51.1 76.7

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#22

Diisopropyl ether

Concen: 43.168 ug/l

RT: 2.95 min Scan# 245

Delta R.T. -0.00 min

Lab File: VF062875.D

Acq: 6 Jun 2019 10:56

Tgt Ion: 45 Resp: 671069

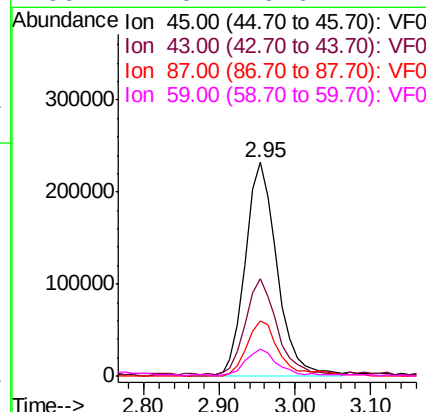
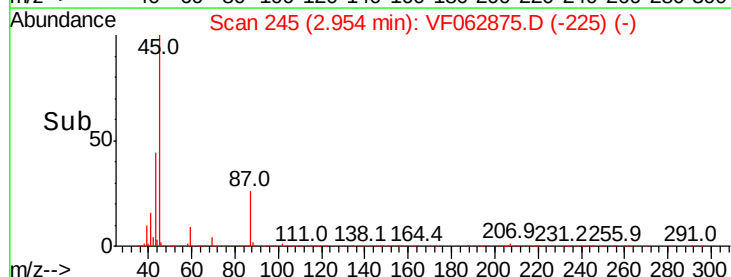
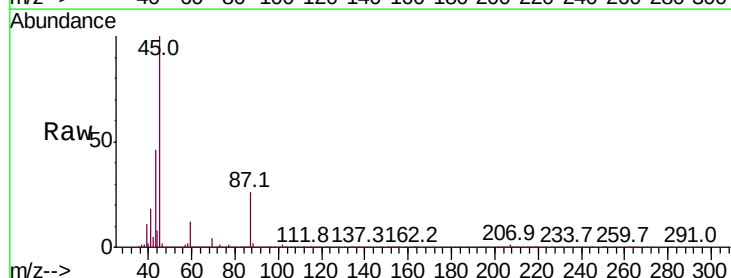
Ion Ratio Lower Upper

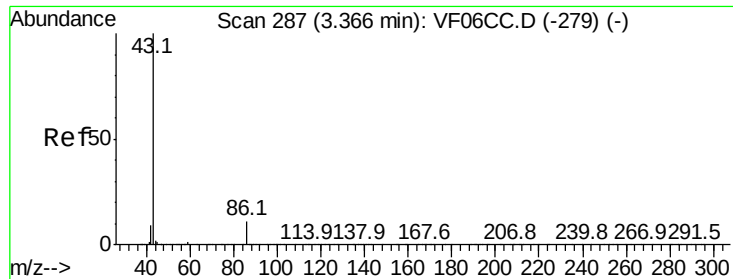
45 100

43 45.5 34.3 51.5

87 25.6 19.0 28.4

59 12.3 9.6 14.4





#23

Vinyl Acetate

Concen: 226.079 ug/l

RT: 3.37 min Scan# 287

Delta R.T. -0.00 min

Lab File: VF062875.D

Acq: 6 Jun 2019 10:56

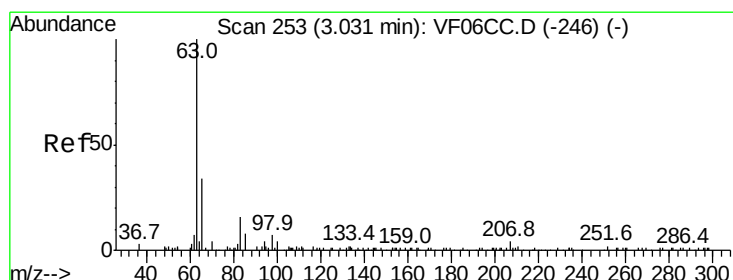
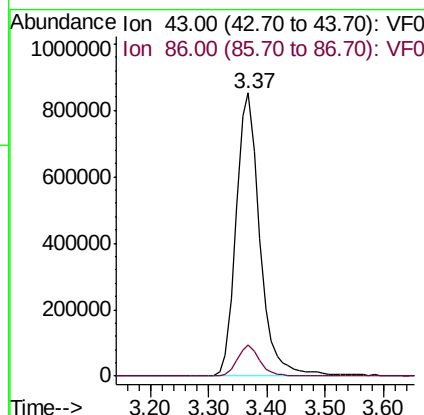
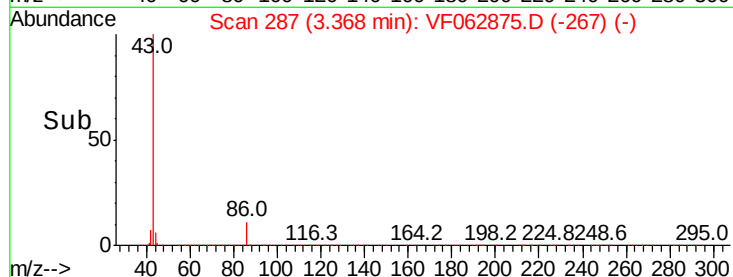
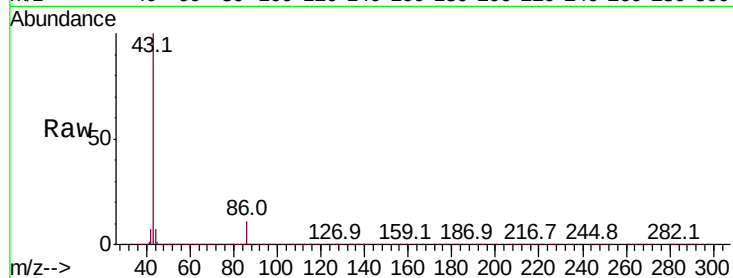
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2406072

Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.2	12.2

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#24

1,1-Dichloroethane

Concen: 45.715 ug/l

RT: 3.03 min Scan# 253

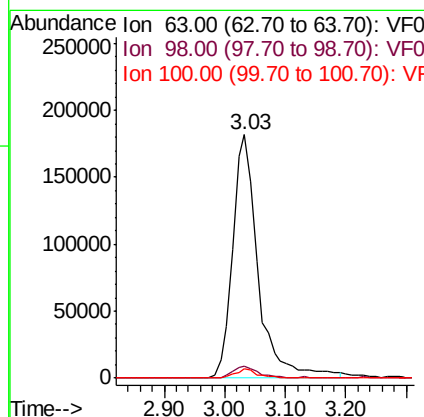
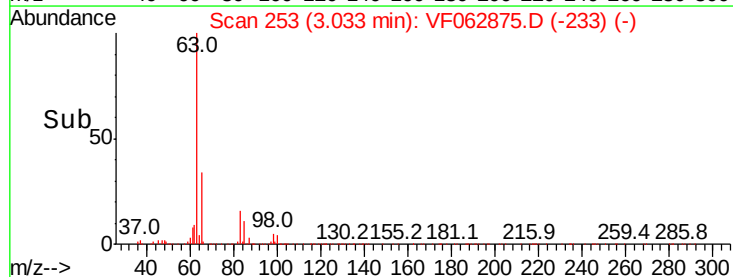
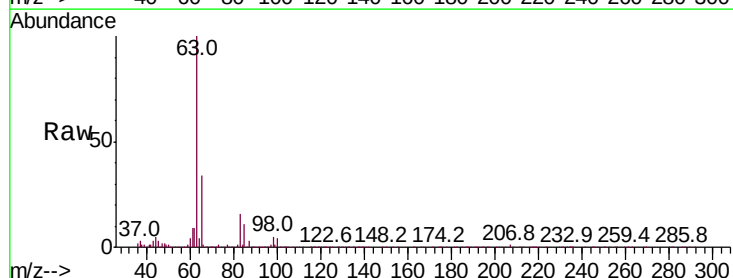
Delta R.T. -0.00 min

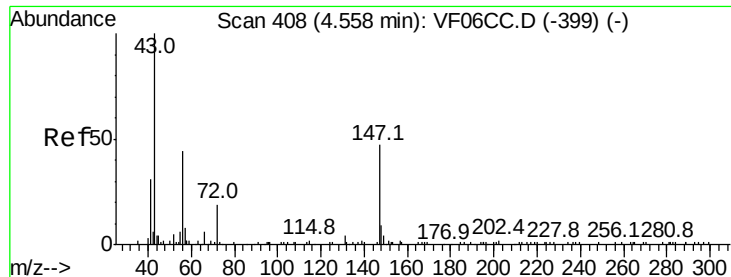
Lab File: VF062875.D

Acq: 6 Jun 2019 10:56

Tgt Ion: 63 Resp: 530614

Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.4	7.1
100	4.0	1.5	4.5





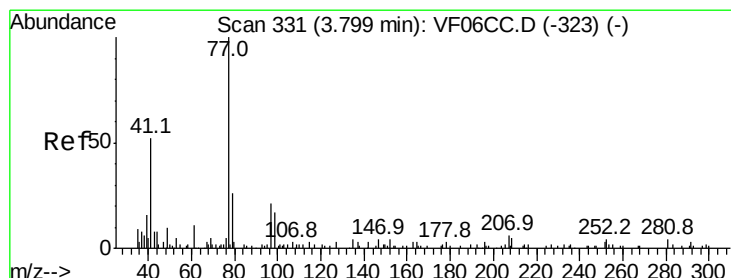
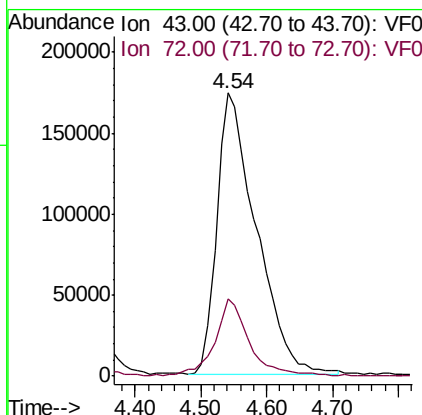
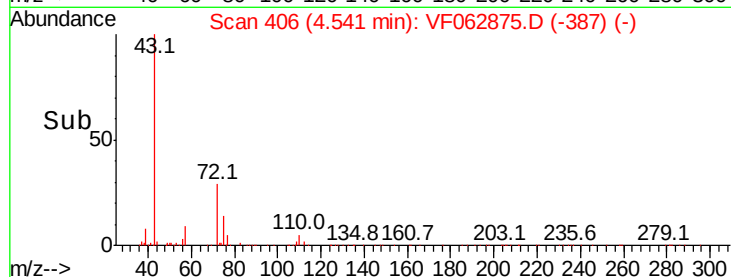
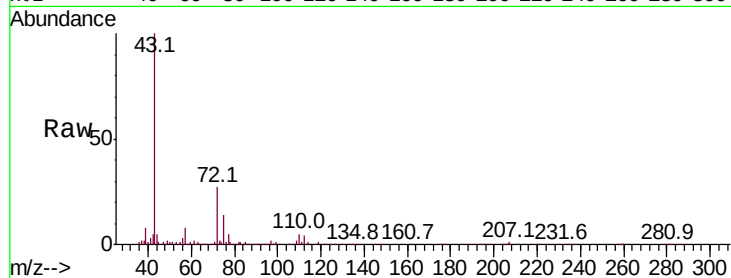
#25
2-Butanone
Concen: 230.253 ug/l
RT: 4.54 min Scan# 406
Delta R.T. -0.01 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
72	27.1	21.4	32.0

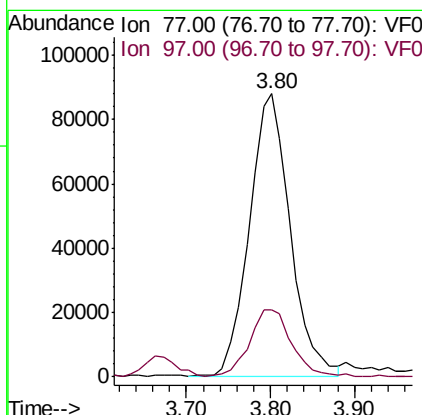
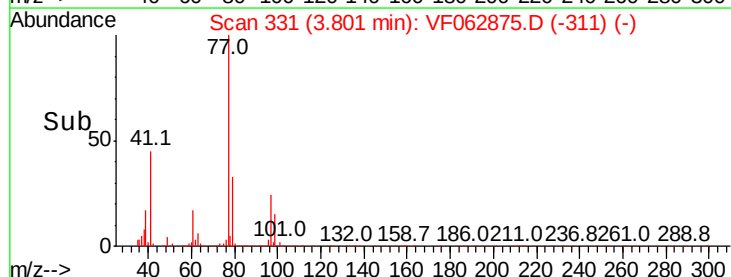
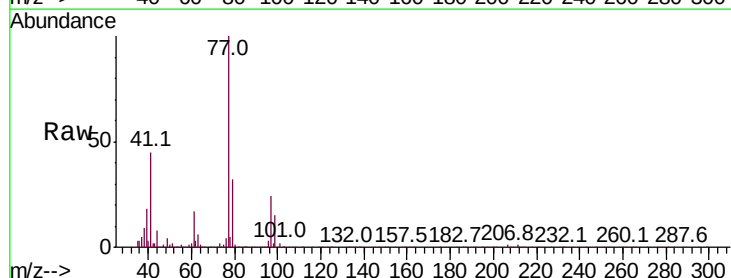
Manual Integrations
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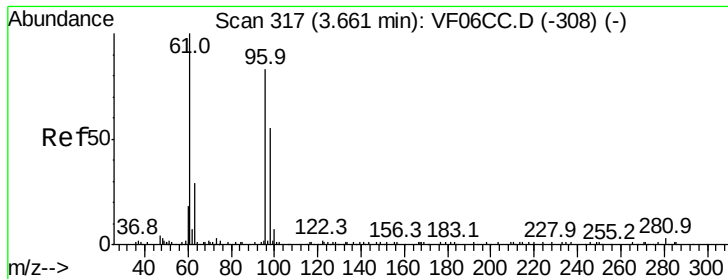
MMDadoda
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#26
2,2-Dichloropropane
Concen: 45.241 ug/l
RT: 3.80 min Scan# 331
Delta R.T. -0.00 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Tgt Ion	Ratio	Lower	Upper
77	100		
97	23.8	12.4	37.4





#27

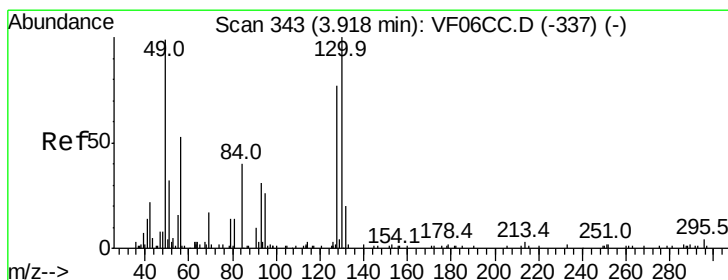
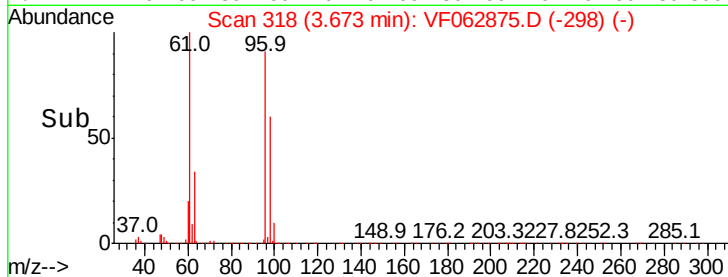
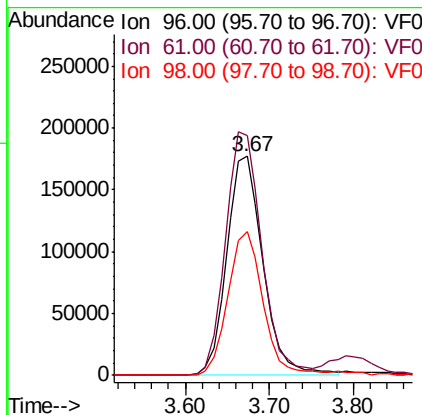
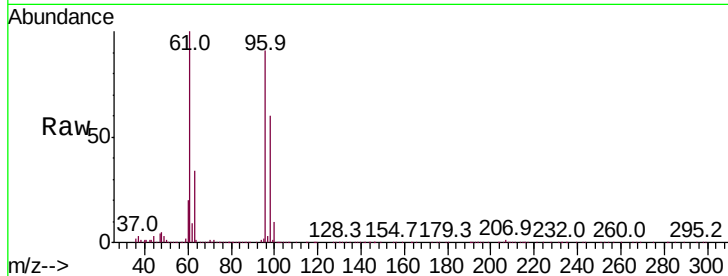
cis-1,2-Dichloroethene
Concen: 44.326 ug/l
RT: 3.67 min Scan# 318
Delta R.T. -0.00 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	109.8	0.0	213.8
98	65.9	0.0	127.0

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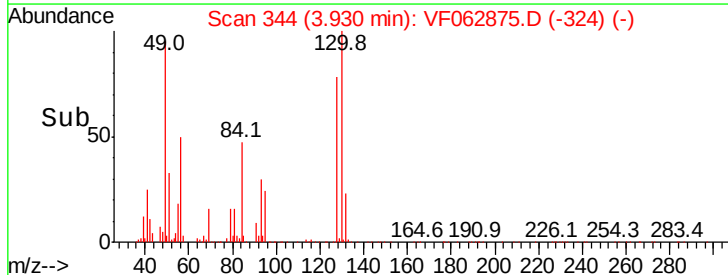
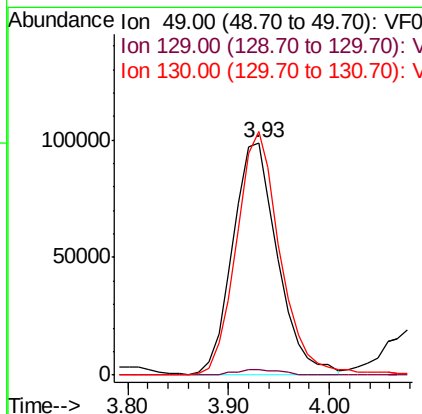
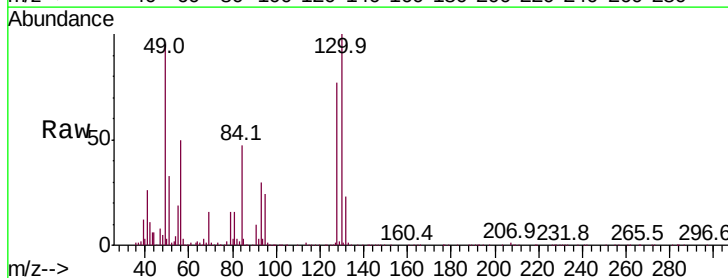
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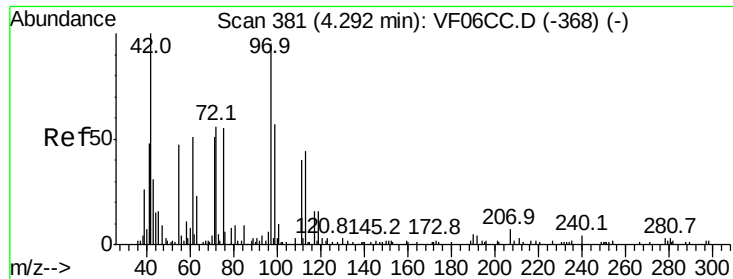


#28

Bromochloromethane
Concen: 48.043 ug/l
RT: 3.93 min Scan# 344
Delta R.T. -0.00 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	5.4
130	104.8	79.2	118.8





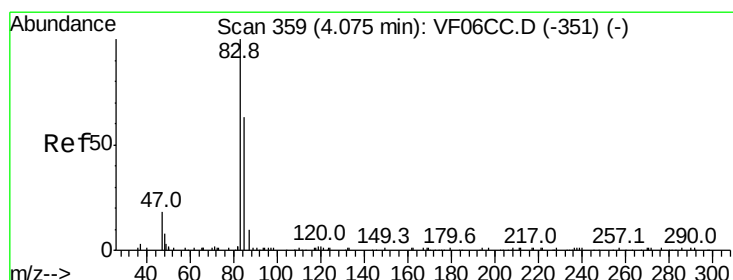
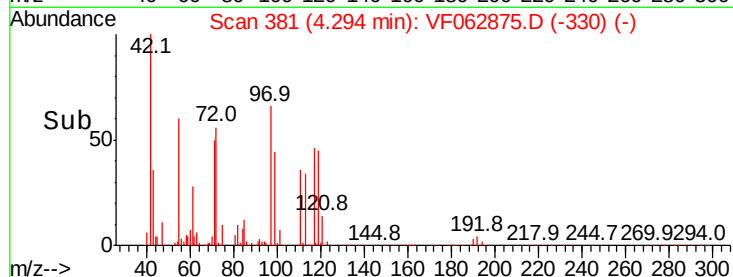
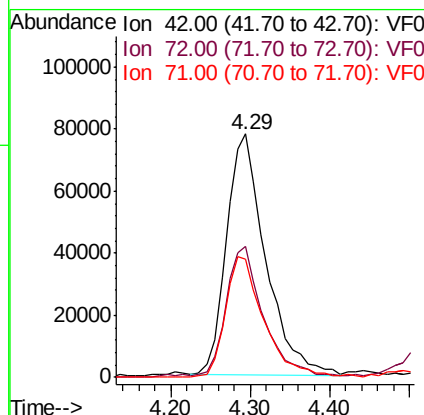
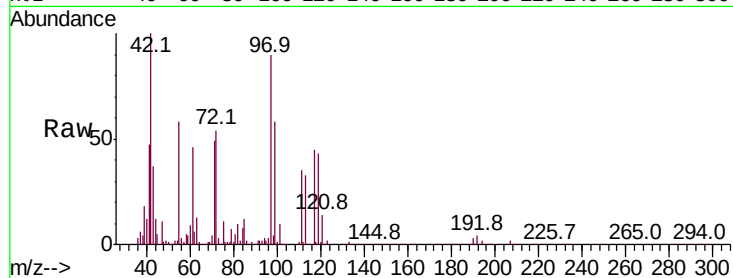
#29
Tetrahydrofuran
Concen: 222.970 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.00 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	53.6	39.0	58.6
71	49.7	36.9	55.3

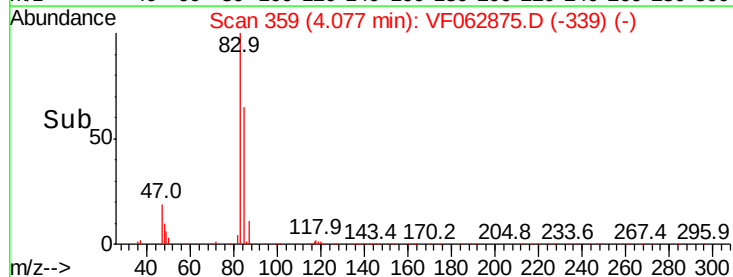
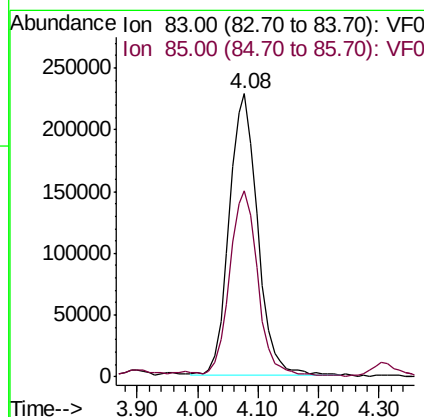
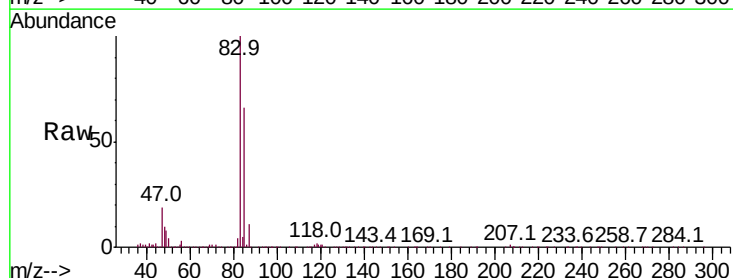
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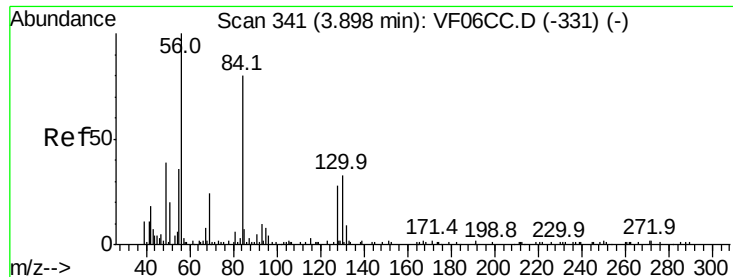
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#30
Chloroform
Concen: 45.136 ug/l
RT: 4.08 min Scan# 359
Delta R.T. -0.00 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	55.0	82.6





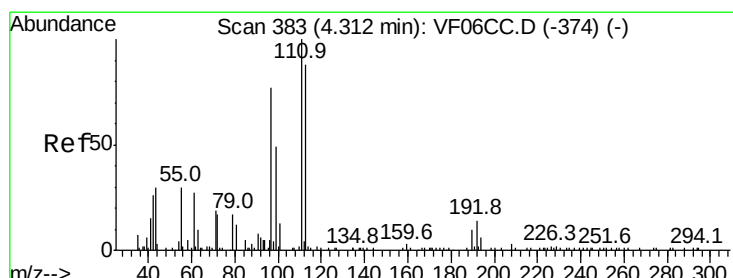
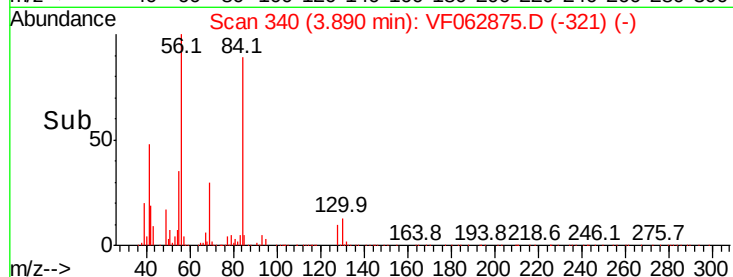
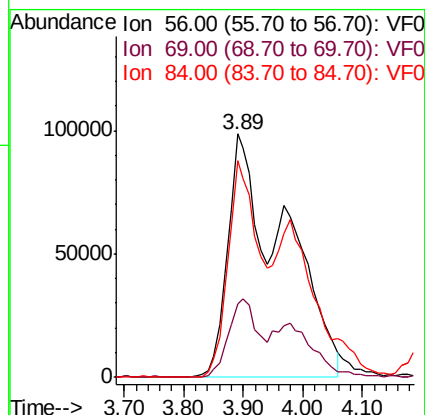
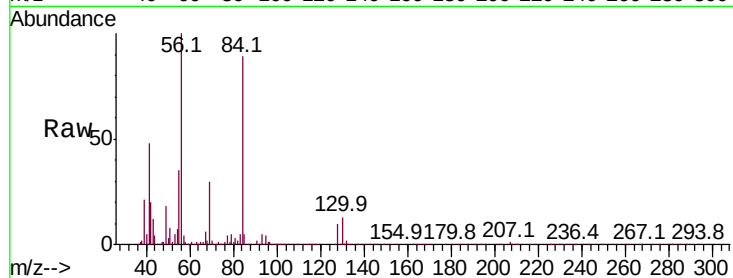
#31
Cyclohexane
Concen: 41.036 ug/l m
RT: 3.89 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.1	26.7	40.1
84	88.9	74.3	111.5

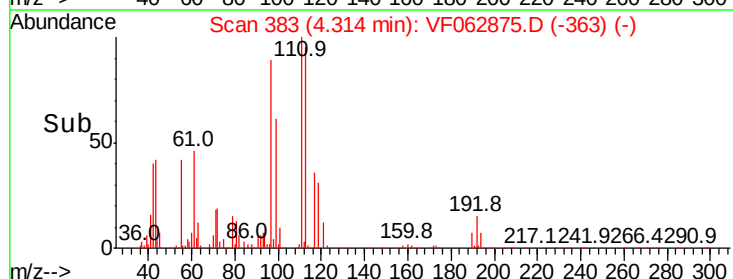
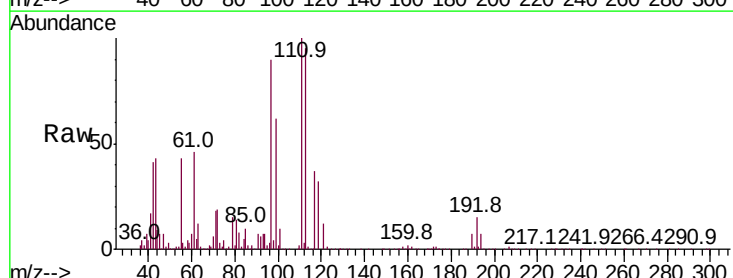
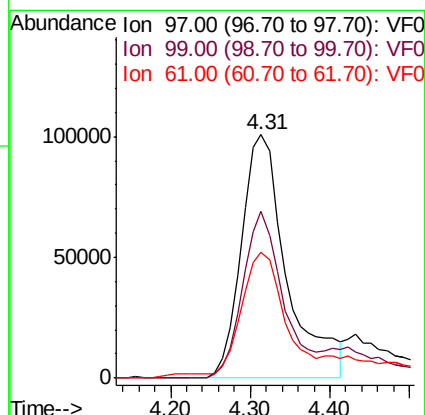
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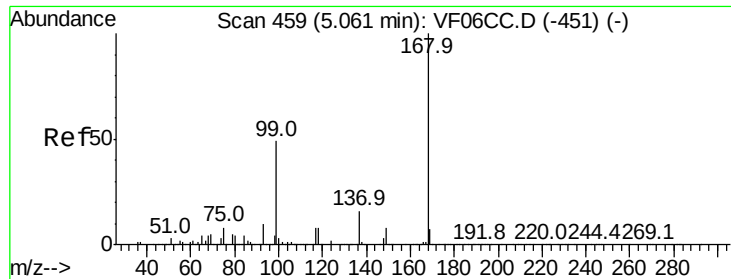
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#32
1,1,1-Trichloroethane
Concen: 42.038 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.00 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	68.5	51.7	77.5
61	51.4	38.9	58.3





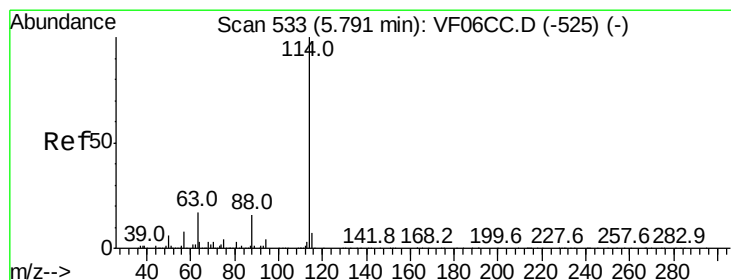
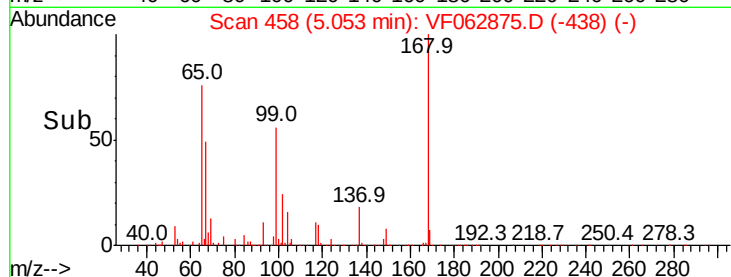
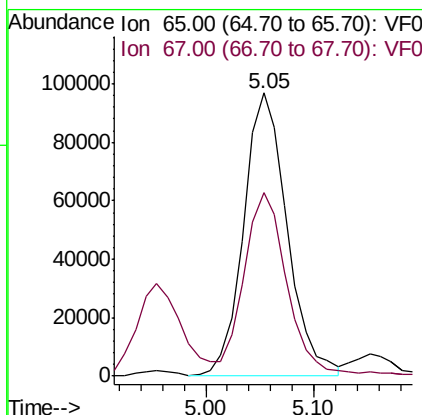
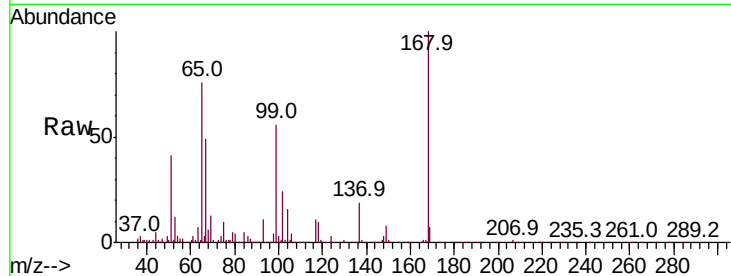
#33
 1,2-Dichloroethane-d4
 Concen: 46.209 ug/l
 RT: 5.05 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: VF062875.D
 Acq: 6 Jun 2019 10:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 271204
 Ion Ratio Lower Upper
 65 100
 67 64.7 0.0 121.2

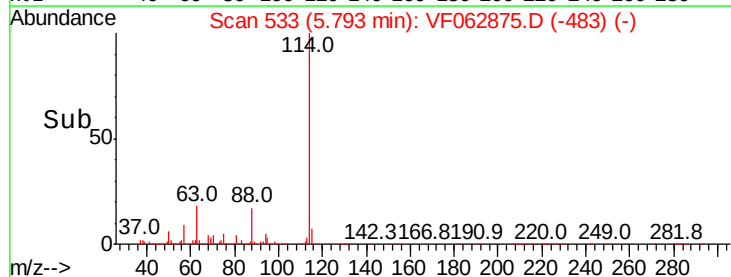
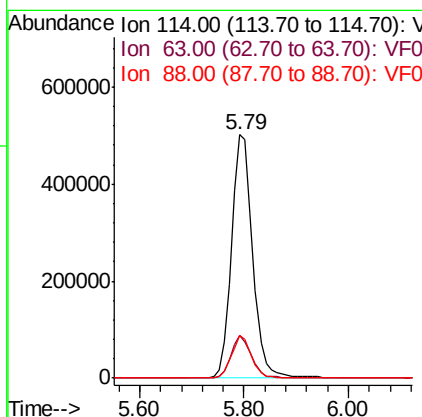
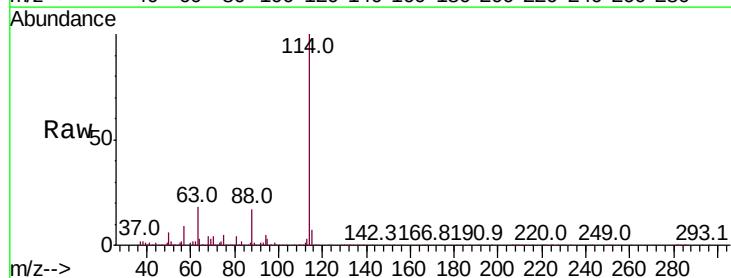
Manual Integrations
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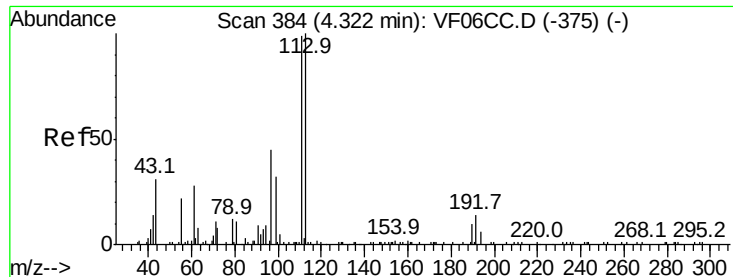
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VF062875.D
 Acq: 6 Jun 2019 10:56

Tgt Ion: 114 Resp: 1390704
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 34.2
 88 17.3 0.0 31.2





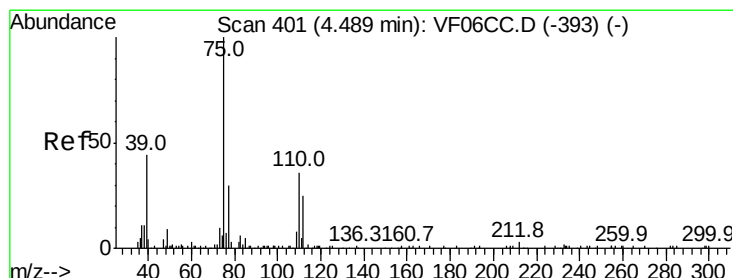
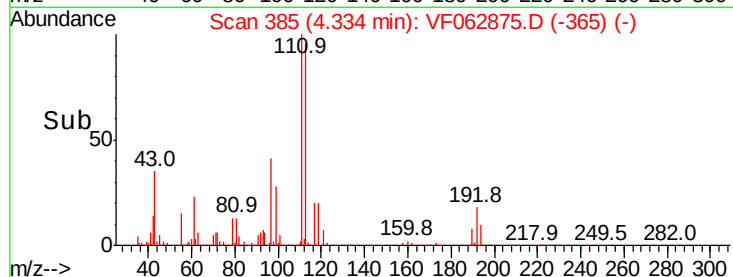
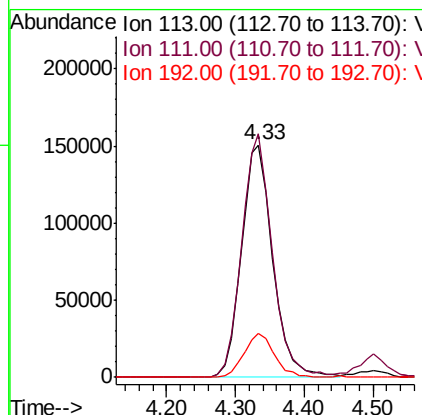
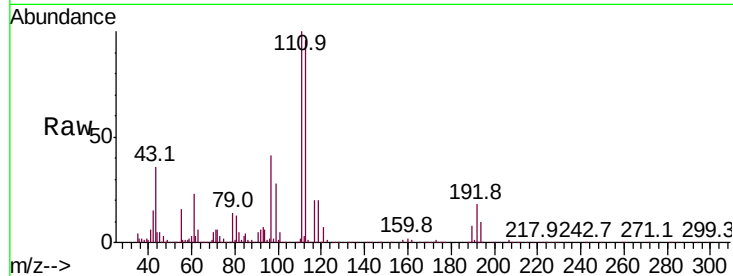
#35
Dibromofluoromethane
Concen: 45.135 ug/l
RT: 4.33 min Scan# 385
Delta R.T. -0.00 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.6	81.9	122.9
192	19.0	15.1	22.7

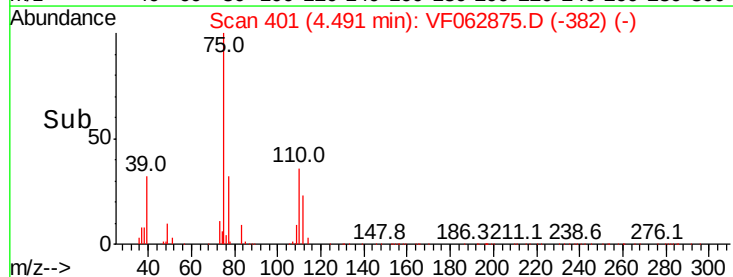
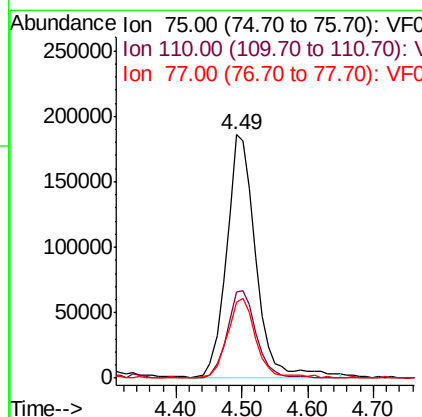
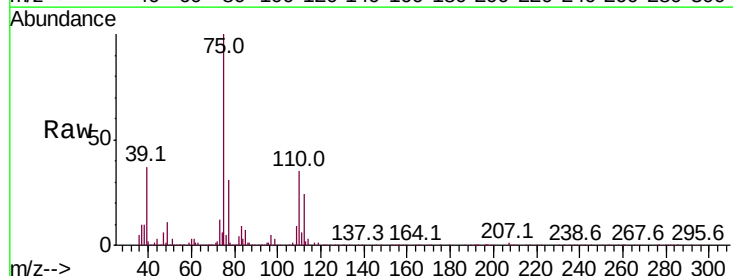
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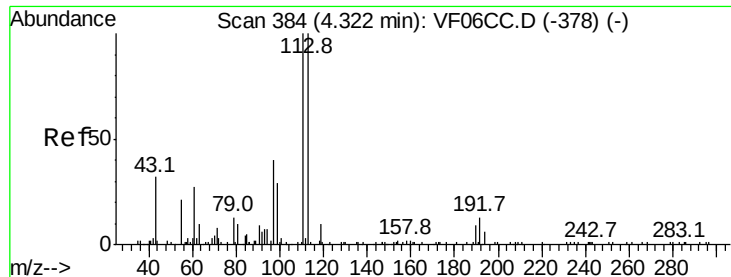
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#36
1,1-Dichloropropene
Concen: 44.857 ug/l
RT: 4.49 min Scan# 401
Delta R.T. -0.01 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.4	19.4	58.1
77	31.2	25.4	38.2





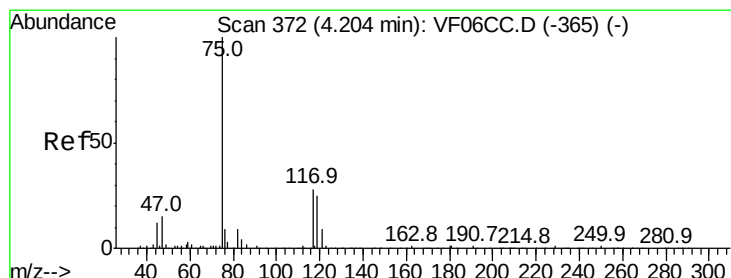
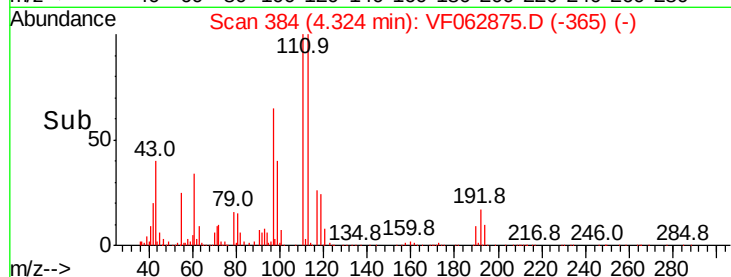
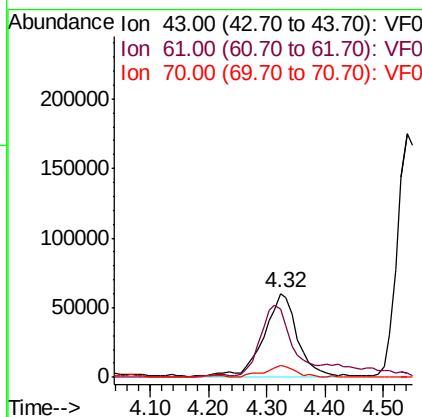
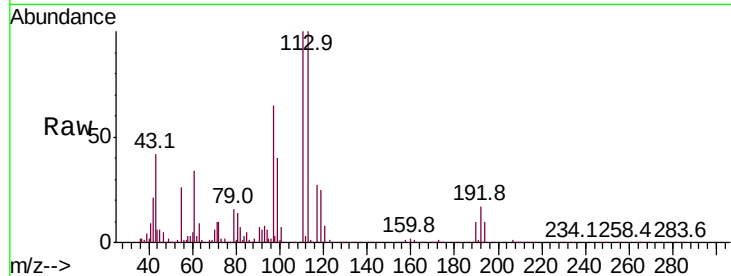
#37
Ethyl Acetate
Concen: 48.256 ug/l
RT: 4.32 min Scan# 384
Delta R.T. -0.01 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	81.2	59.1	88.7
70	13.7	10.1	15.1

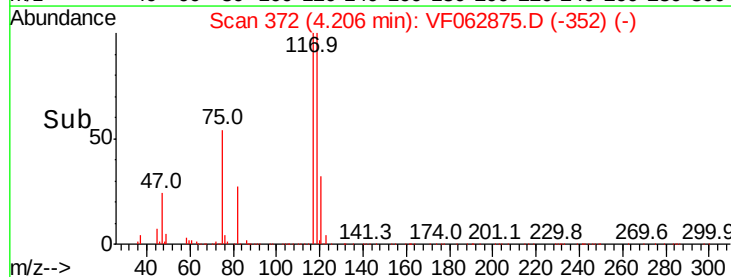
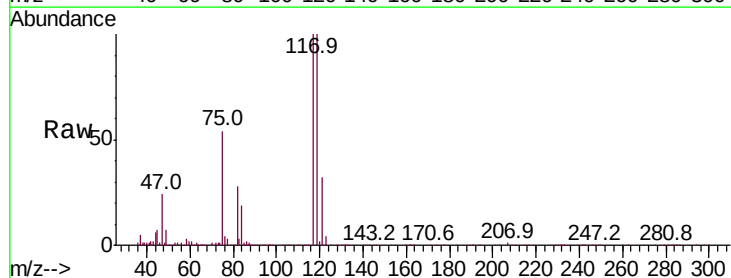
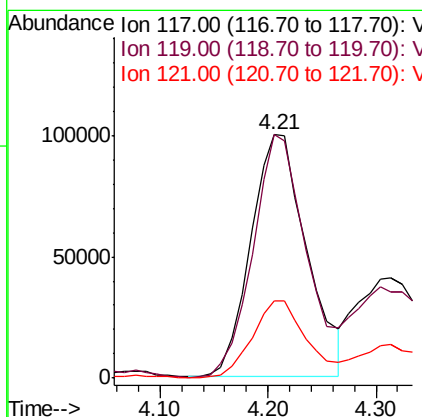
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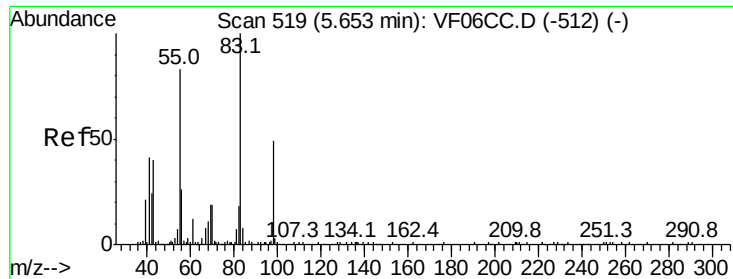
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#38
Carbon Tetrachloride
Concen: 41.667 ug/l
RT: 4.21 min Scan# 372
Delta R.T. -0.00 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.1	78.2	117.2
121	31.7	28.2	42.2





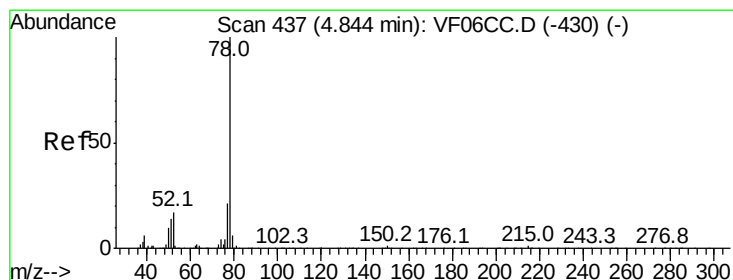
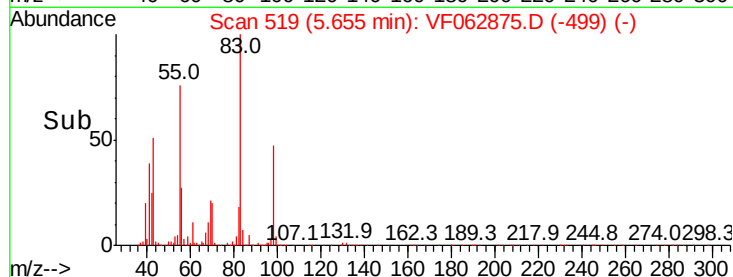
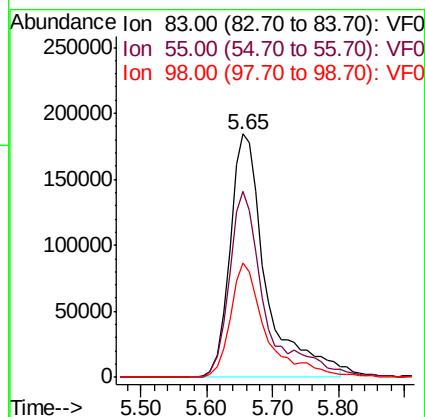
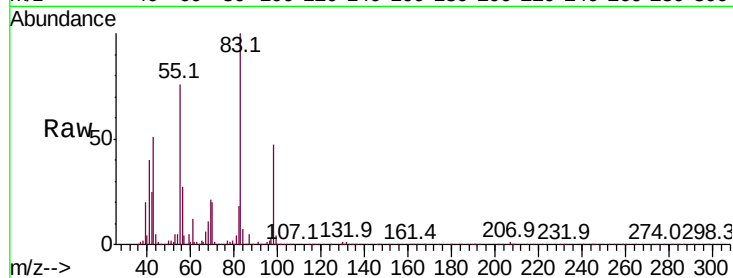
#39
Methylcyclohexane
Concen: 44.575 ug/l
RT: 5.65 min Scan# 519
Delta R.T. -0.00 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.2	61.6	92.4
98	47.2	37.4	56.2

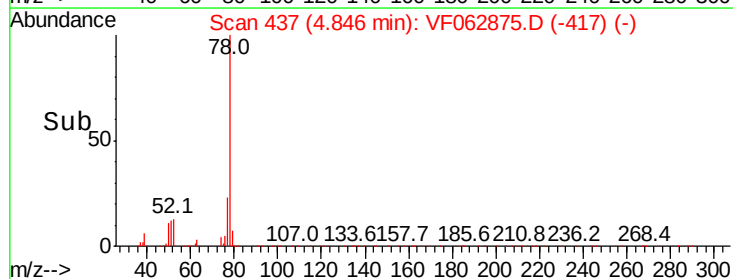
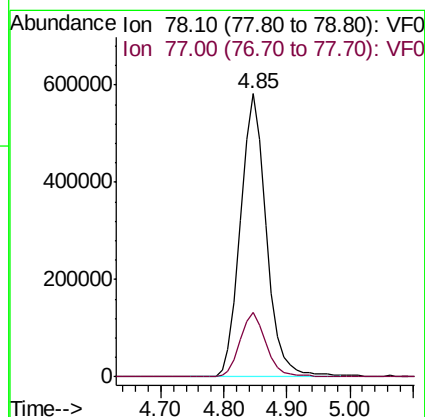
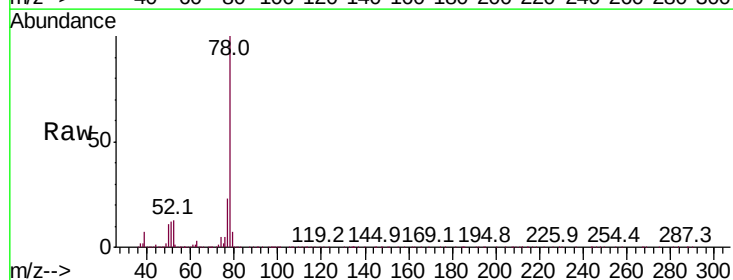
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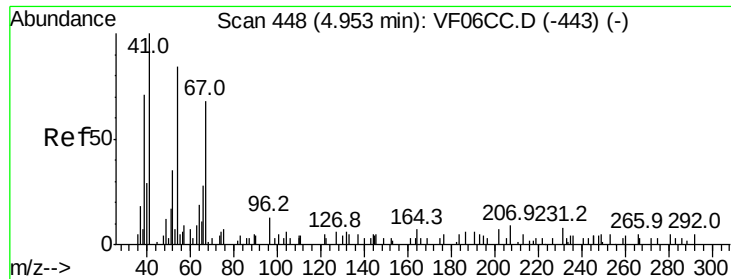
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#40
Benzene
Concen: 44.339 ug/l
RT: 4.85 min Scan# 437
Delta R.T. -0.00 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.9	28.3





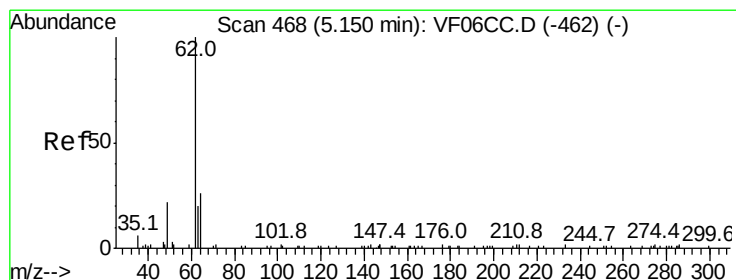
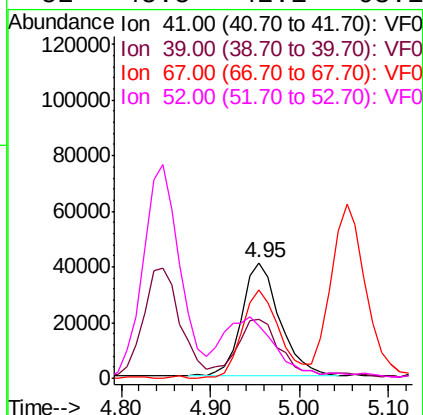
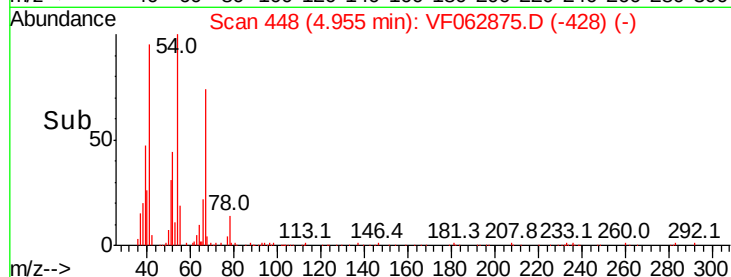
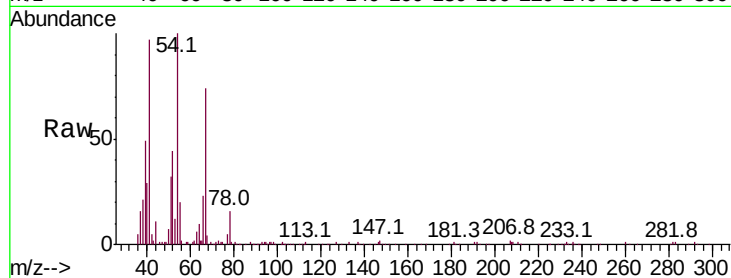
#41
Methacrylonitrile
Concen: 44.320 ug/l
RT: 4.95 min Scan# 448
Delta R.T. -0.00 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.0	42.0	63.0
67	76.5	61.4	92.0
52	45.5	42.1	63.1

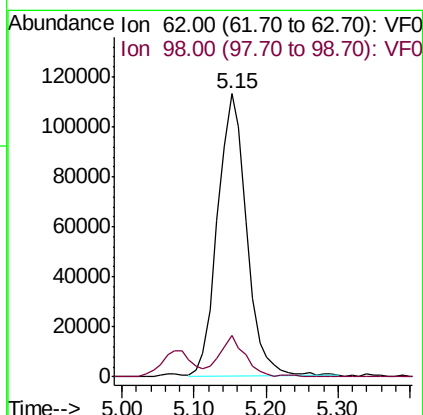
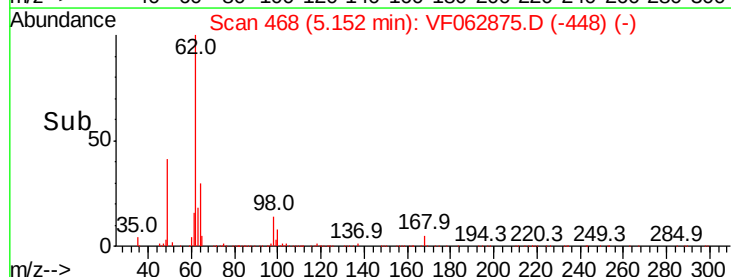
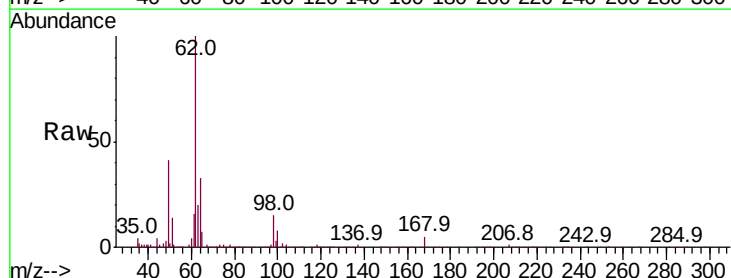
Manual Integrations
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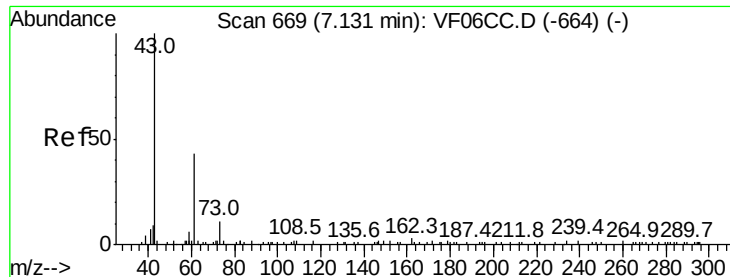
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#42
1,2-Dichloroethane
Concen: 44.391 ug/l
RT: 5.15 min Scan# 468
Delta R.T. -0.00 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	14.7	0.0	24.0





#43

Isopropyl Acetate

Concen: 43.853 ug/l

RT: 7.13 min Scan# 669

Delta R.T. -0.00 min

Lab File: VF062875.D

Acq: 6 Jun 2019 10:56

Instrument :

MSVOA_F

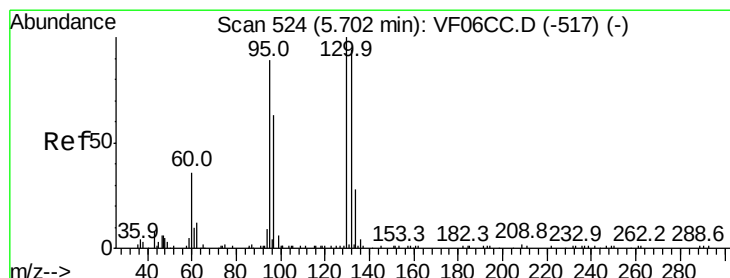
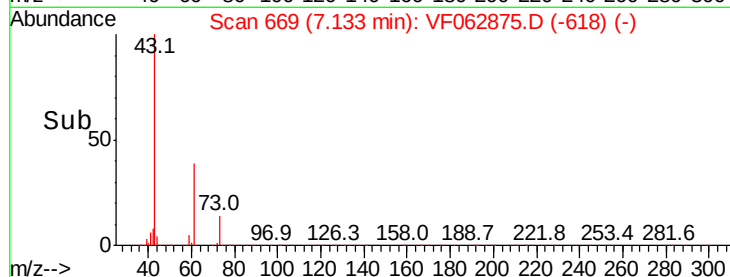
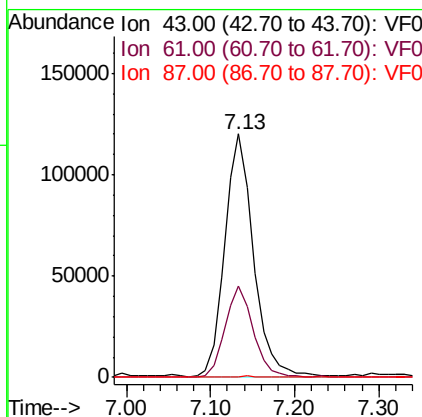
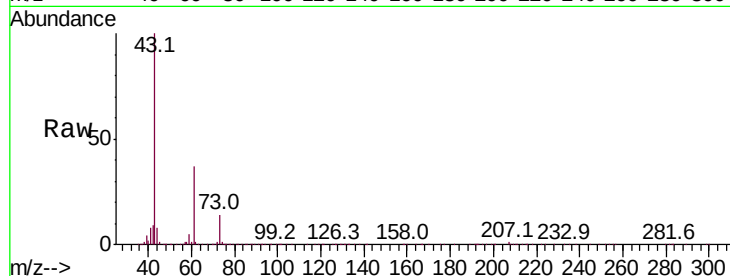
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	283512
Ion Ratio	Lower	Upper	
43	100		
61	37.3	29.8	44.6
87	0.4	0.3	0.5

Manual Integrations
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#44

Trichloroethene

Concen: 44.809 ug/l

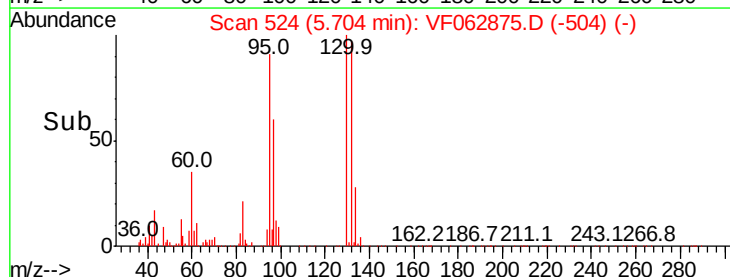
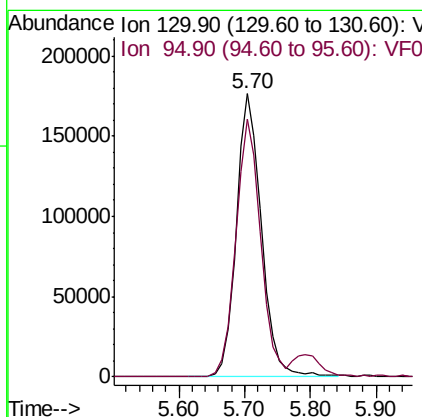
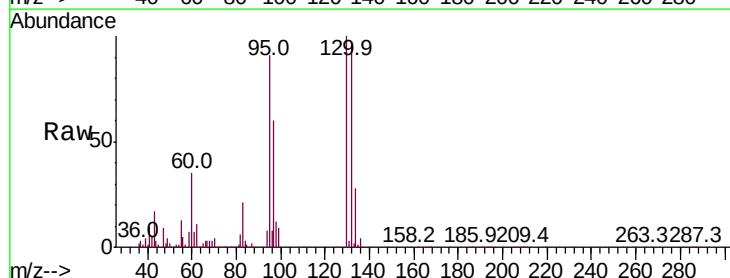
RT: 5.70 min Scan# 524

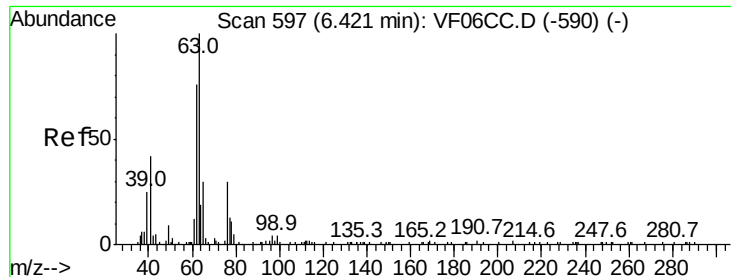
Delta R.T. -0.00 min

Lab File: VF062875.D

Acq: 6 Jun 2019 10:56

Tgt Ion:	130	Resp:	471205
Ion Ratio	Lower	Upper	
130	100		
95	91.0	0.0	188.2





#45

1,2-Dichloropropane

Concen: 45.497 ug/l

RT: 6.42 min Scan# 597

Delta R.T. -0.01 min

Lab File: VF062875.D

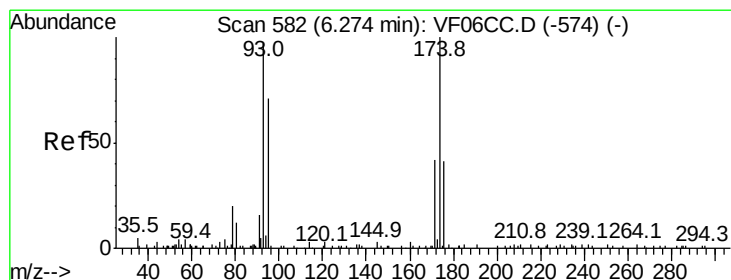
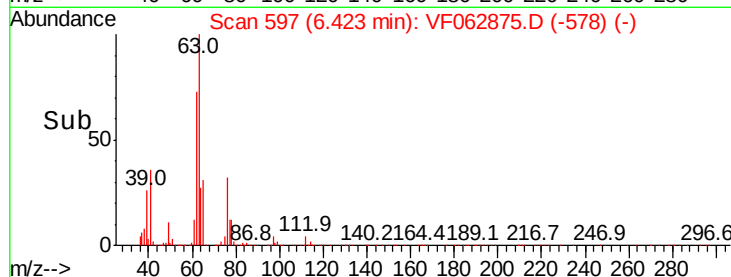
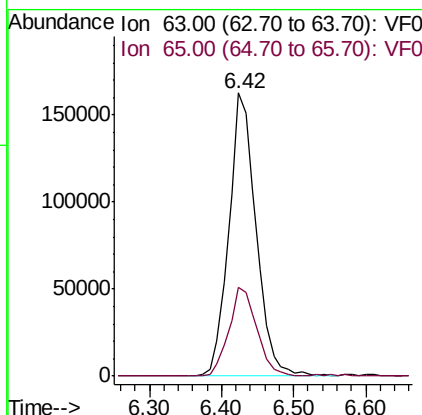
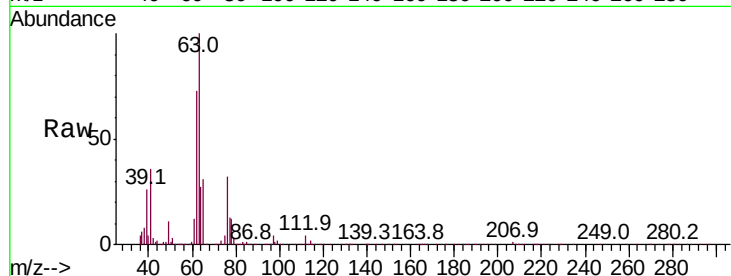
Acq: 6 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.2	36.2

Manual Integrations
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#46

Dibromomethane

Concen: 46.281 ug/l

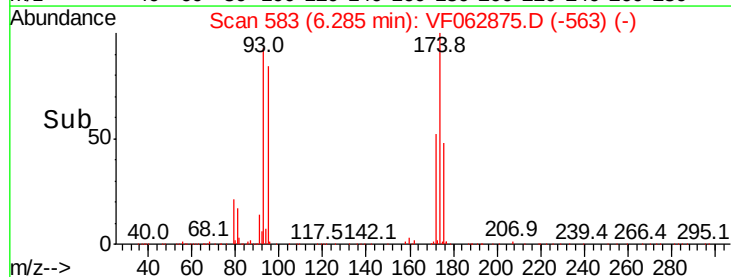
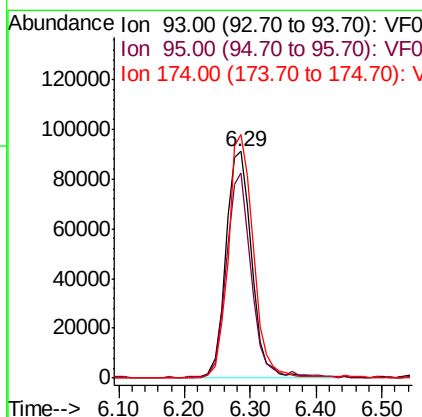
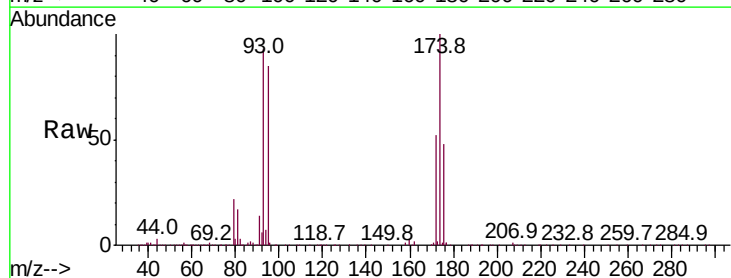
RT: 6.29 min Scan# 583

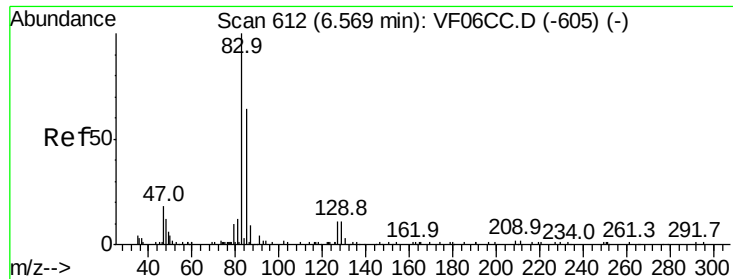
Delta R.T. -0.00 min

Lab File: VF062875.D

Acq: 6 Jun 2019 10:56

Tgt Ion	Ratio	Lower	Upper
93	100		
95	90.9	67.9	101.9
174	109.0	85.0	127.4





#47

Bromodichloromethane

Concen: 45.799 ug/l

RT: 6.57 min Scan# 612

Delta R.T. -0.01 min

Lab File: VF062875.D

Acq: 6 Jun 2019 10:56

Instrument :

MSVOA_F

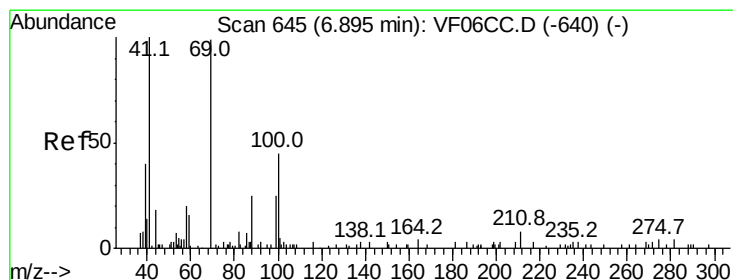
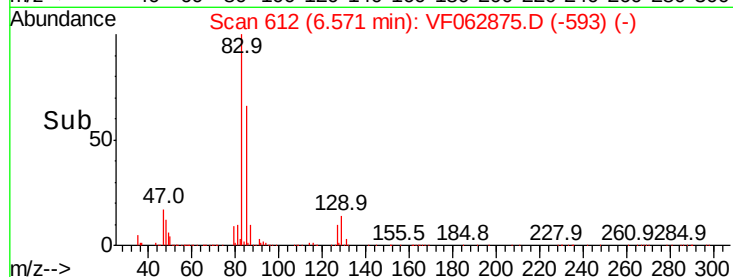
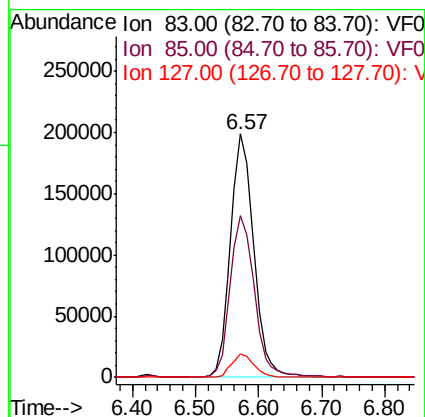
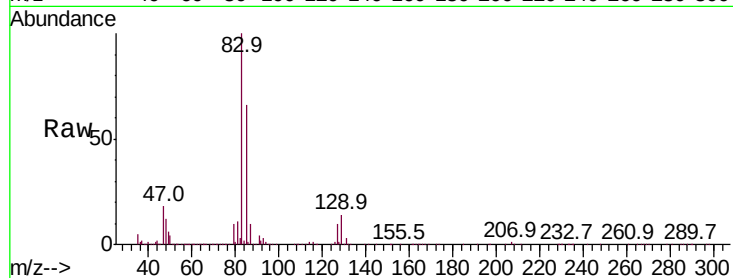
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	509186
Ion Ratio	Lower	Upper	
83	100		
85	66.4	54.2	81.4
127	10.5	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 46.971 ug/l

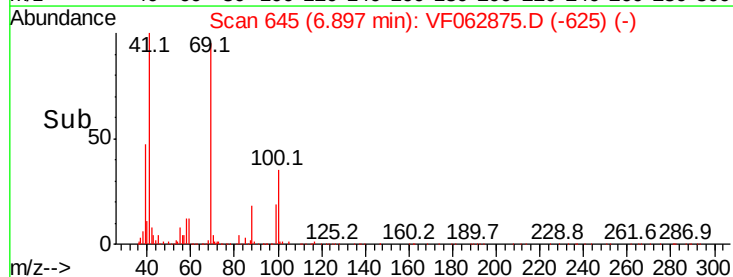
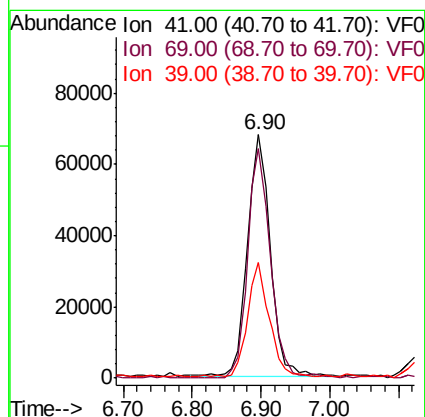
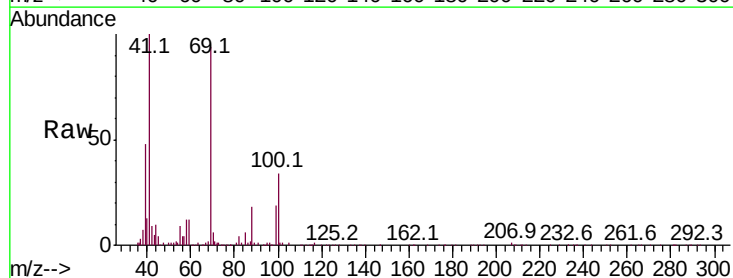
RT: 6.90 min Scan# 645

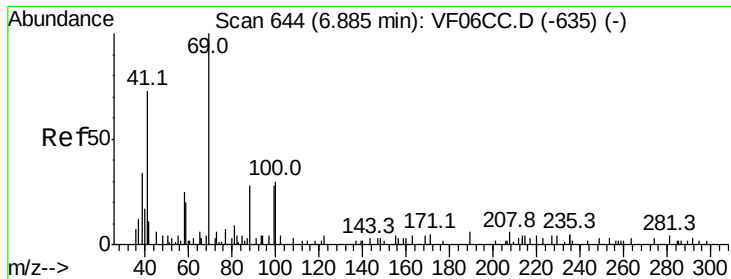
Delta R.T. -0.00 min

Lab File: VF062875.D

Acq: 6 Jun 2019 10:56

Tgt Ion:	41	Resp:	156500
Ion Ratio	Lower	Upper	
41	100		
69	94.1	79.4	119.2
39	47.6	39.8	59.6





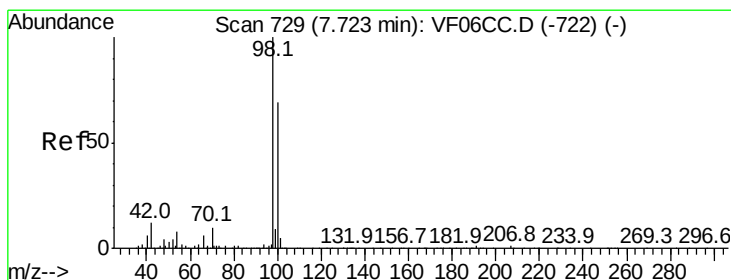
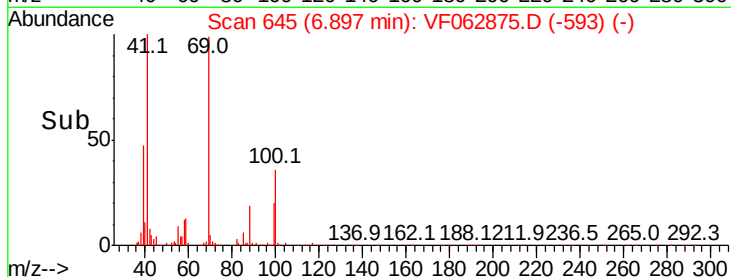
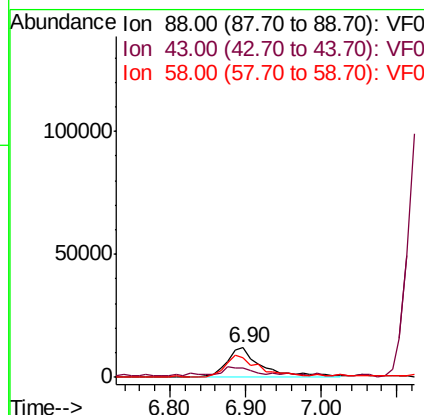
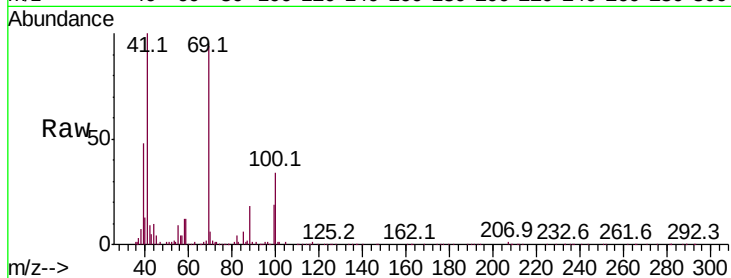
#49
1,4-Dioxane
Concen: 891.009 ug/l
RT: 6.90 min Scan# 645
Delta R.T. 0.01 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.9	34.8	52.2#
58	66.6	59.9	89.9

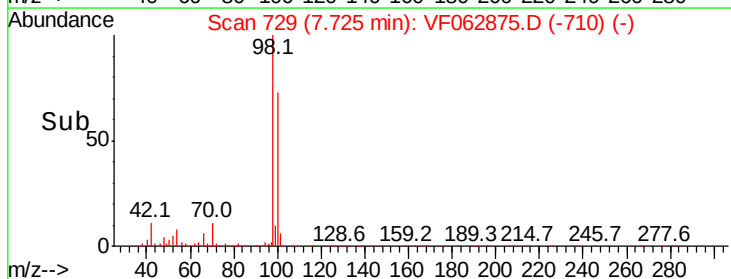
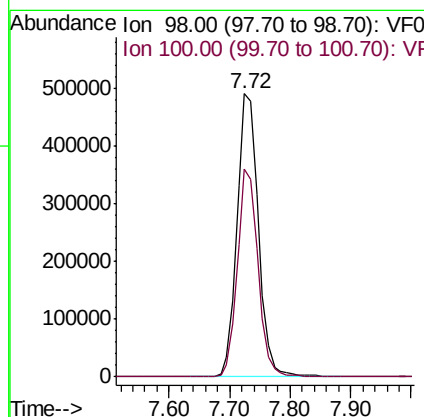
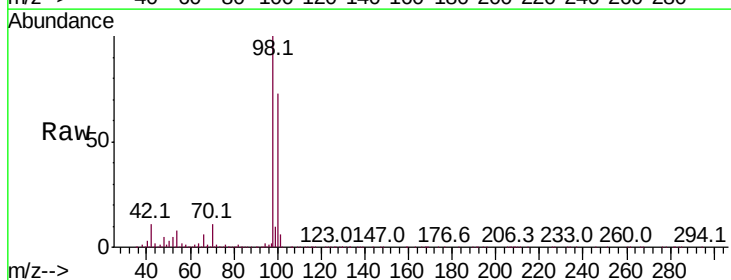
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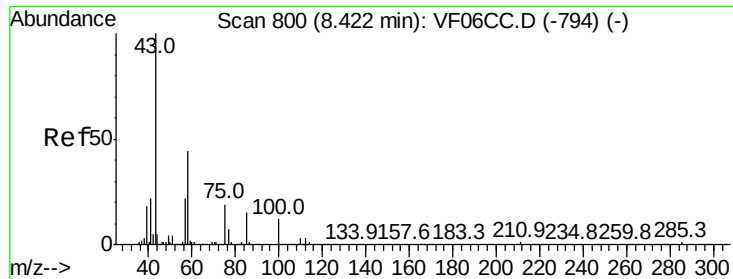
MMDadoda
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#50
Toluene-d8
Concen: 45.490 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.01 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	73.4	59.8	89.8





#51

4-Methyl-2-Pentanone

Concen: 250.791 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF062875.D

Acq: 6 Jun 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1157564

Ion Ratio Lower Upper

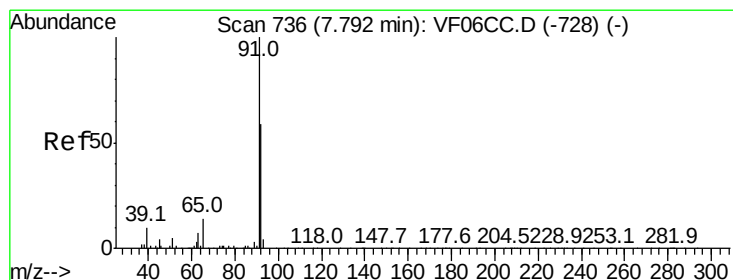
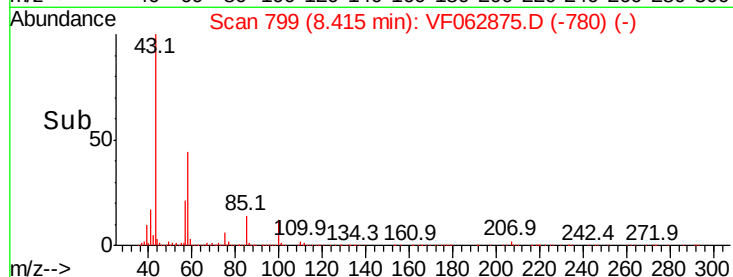
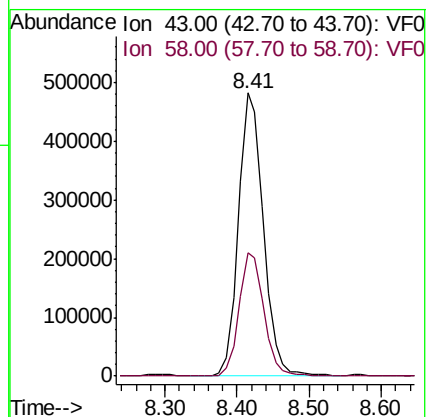
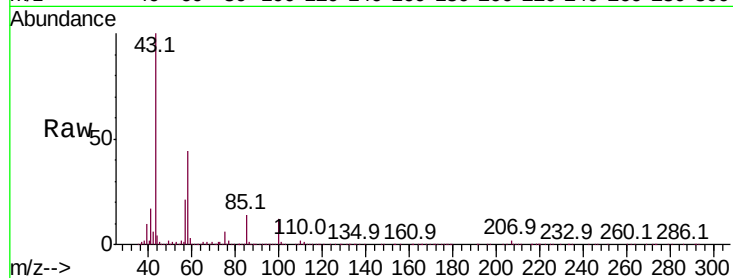
43 100

58 43.7 35.5 53.3

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#52

Toluene

Concen: 47.705 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.01 min

Lab File: VF062875.D

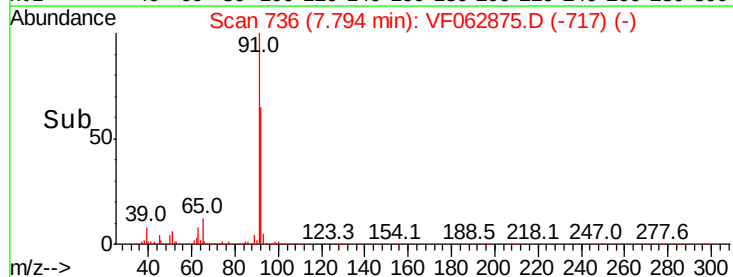
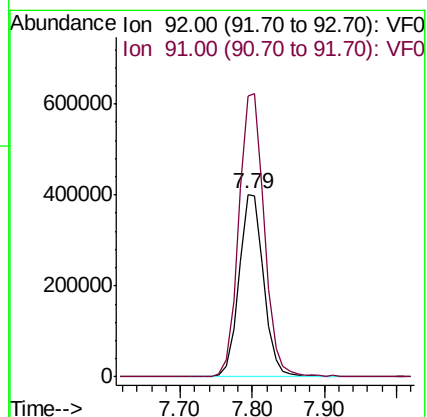
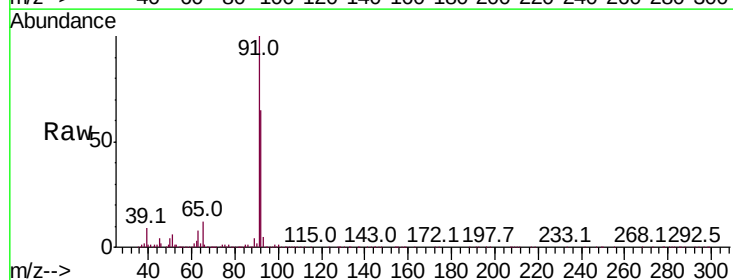
Acq: 6 Jun 2019 10:56

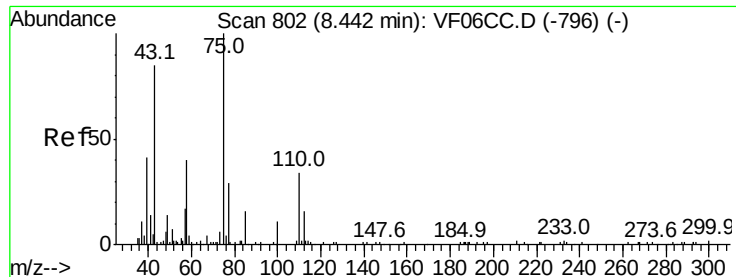
Tgt Ion: 92 Resp: 957383

Ion Ratio Lower Upper

92 100

91 153.6 123.2 184.8





#53

t-1,3-Dichloropropene

Concen: 47.268 ug/l

RT: 8.44 min Scan# 802

Delta R.T. -0.00 min

Lab File: VF062875.D

Acq: 6 Jun 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 435469

Ion Ratio Lower Upper

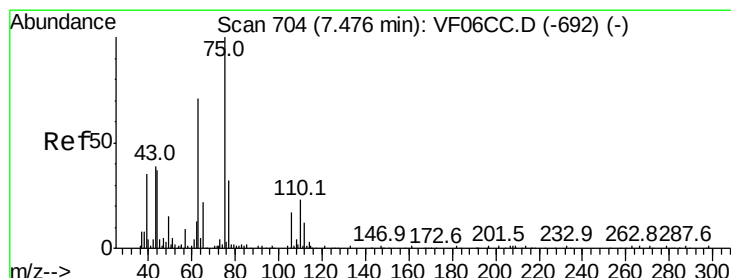
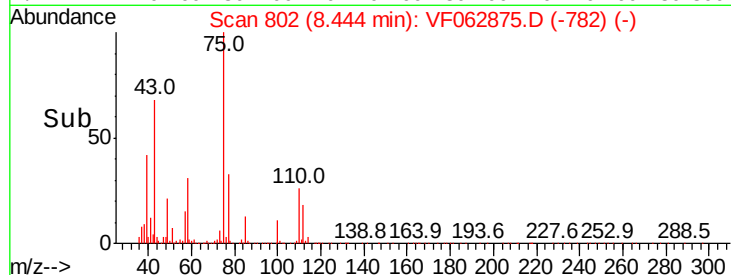
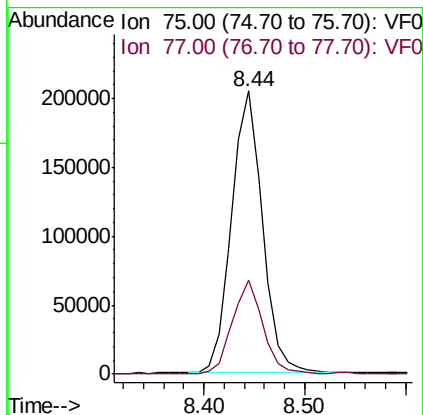
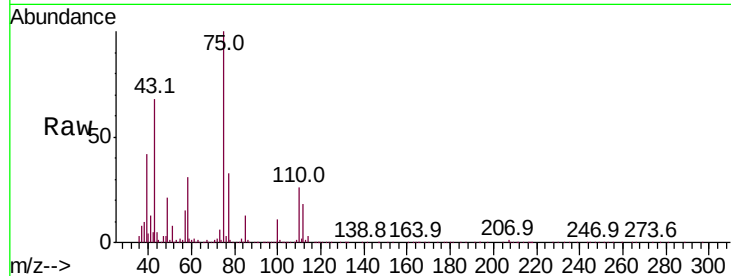
75 100

77 33.3 25.7 38.5

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#54

cis-1,3-Dichloropropene

Concen: 44.909 ug/l

RT: 7.48 min Scan# 704

Delta R.T. -0.00 min

Lab File: VF062875.D

Acq: 6 Jun 2019 10:56

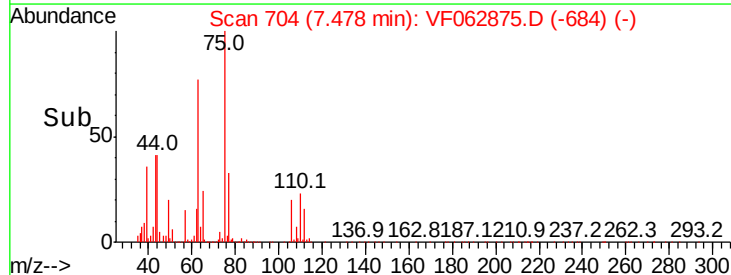
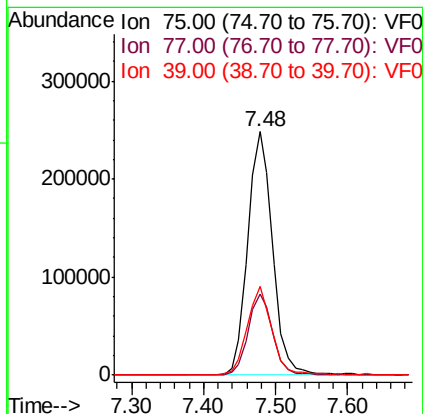
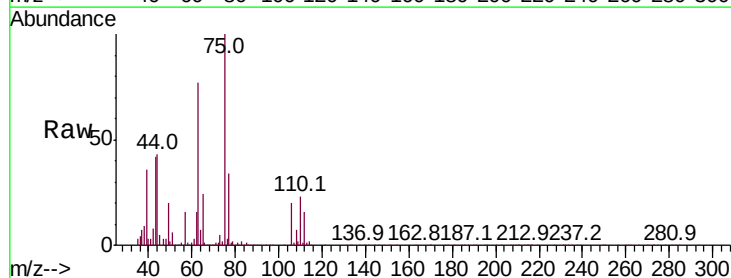
Tgt Ion: 75 Resp: 598890

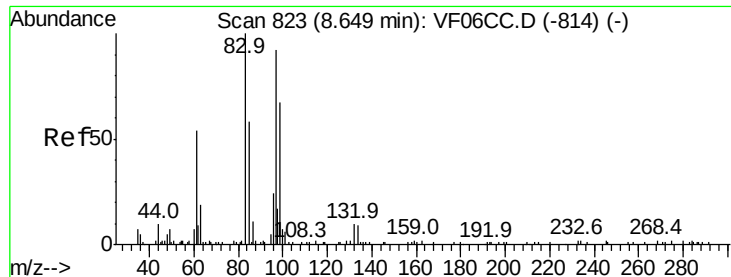
Ion Ratio Lower Upper

75 100

77 33.5 25.8 38.8

39 36.4 28.4 42.6





#55

1,1,2-Trichloroethane

Concen: 50.551 ug/l

RT: 8.65 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF062875.D

Acq: 6 Jun 2019 10:56

Instrument :

MSVOA_F

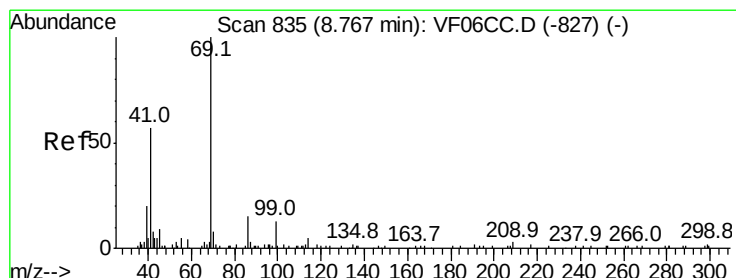
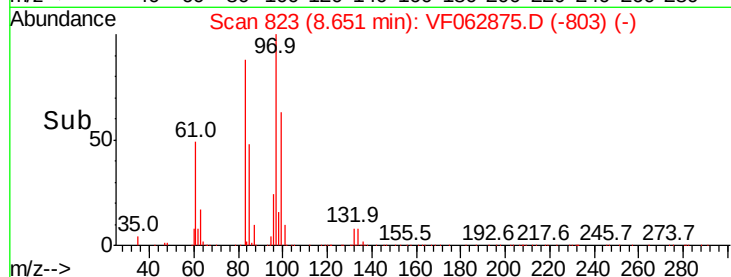
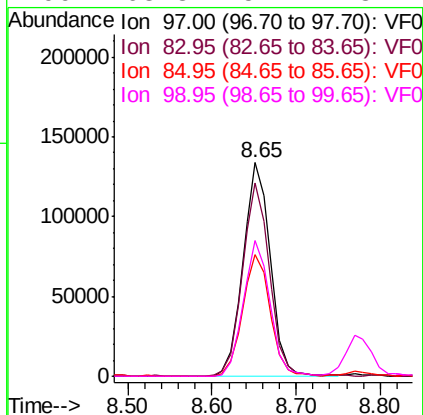
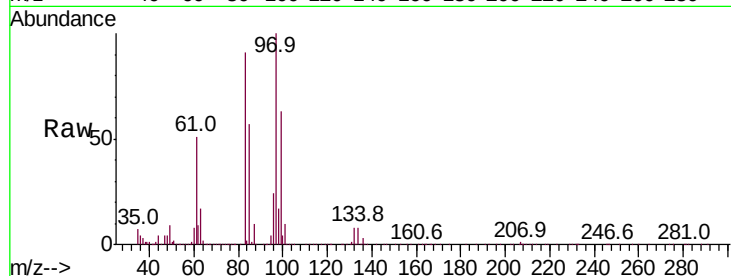
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	90.6	72.0	108.0
85	56.9	47.5	71.3
99	63.3	54.1	81.1

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#56

Ethyl methacrylate

Concen: 53.227 ug/l

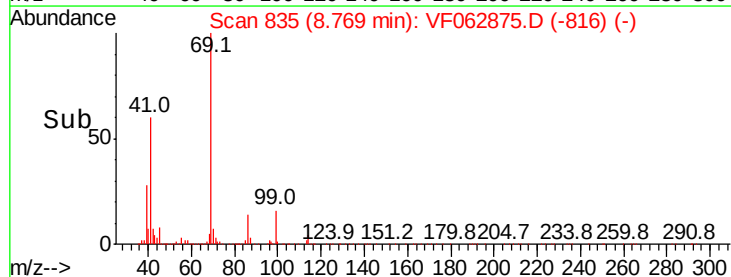
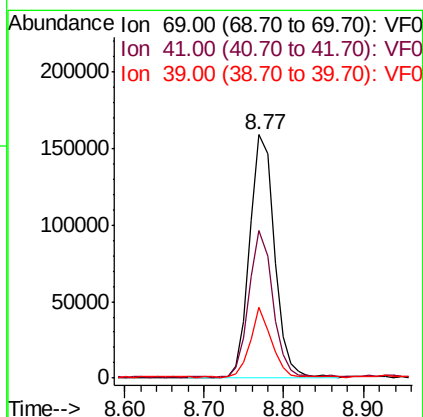
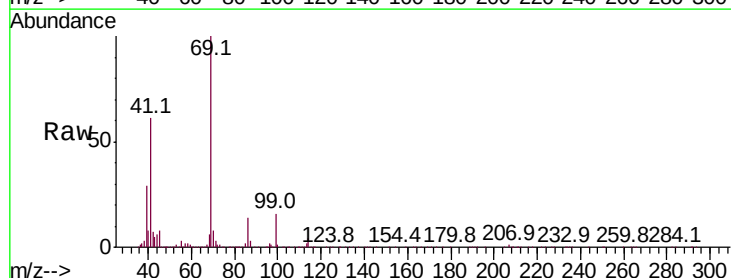
RT: 8.77 min Scan# 835

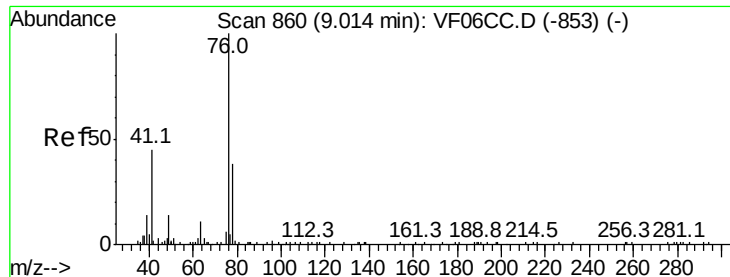
Delta R.T. -0.01 min

Lab File: VF062875.D

Acq: 6 Jun 2019 10:56

Tgt Ion	Ratio	Lower	Upper
69	100		
41	60.6	46.6	69.8
39	29.0	19.6	29.4





#57

1,3-Dichloropropane

Concen: 50.433 ug/l

RT: 9.02 min Scan# 860

Delta R.T. -0.00 min

Lab File: VF062875.D

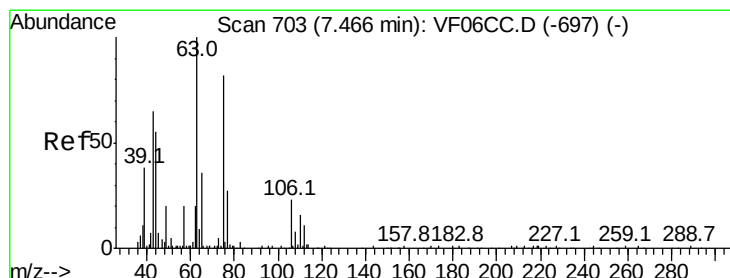
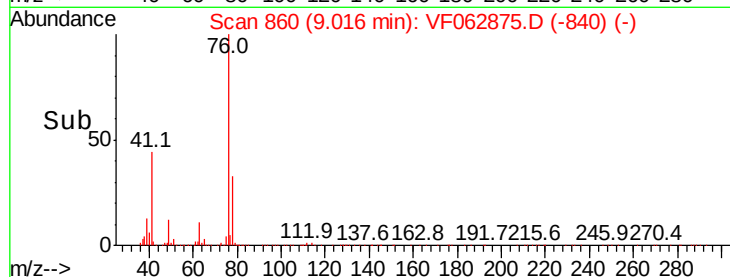
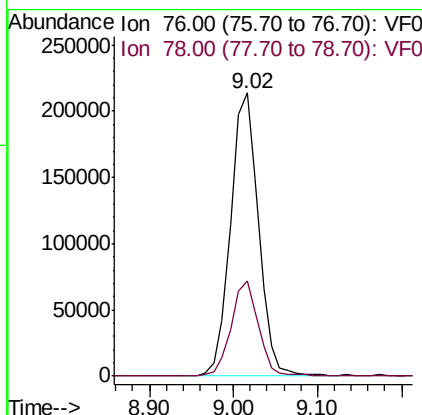
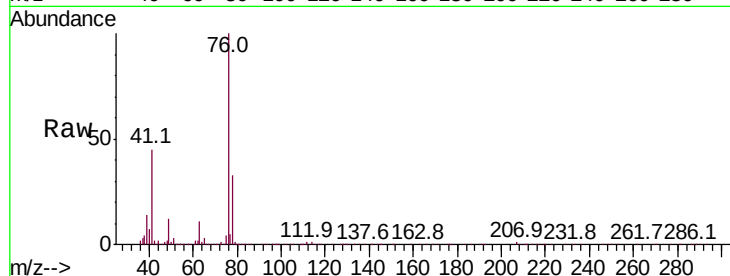
Acq: 6 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.5	26.8	40.2

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#58

2-Chloroethyl Vinyl ether

Concen: 254.294 ug/l

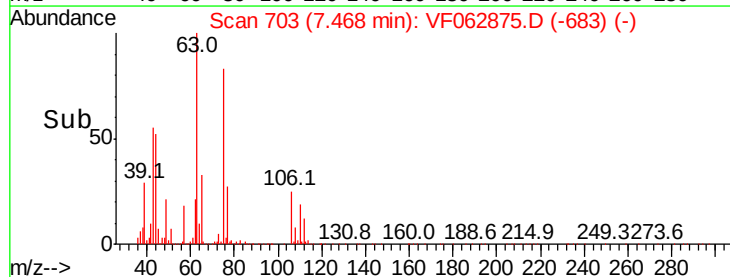
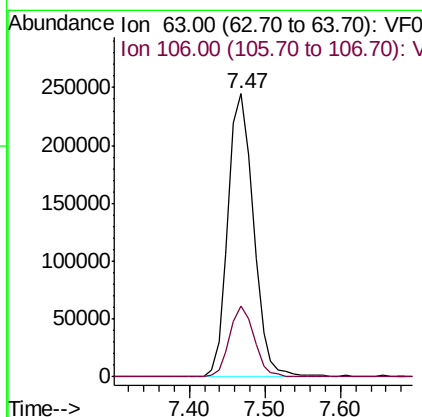
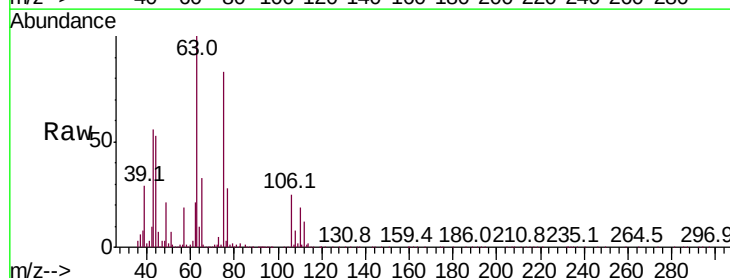
RT: 7.47 min Scan# 703

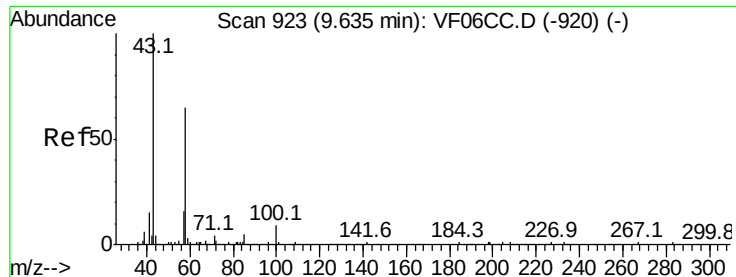
Delta R.T. -0.00 min

Lab File: VF062875.D

Acq: 6 Jun 2019 10:56

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.9	19.5	29.3





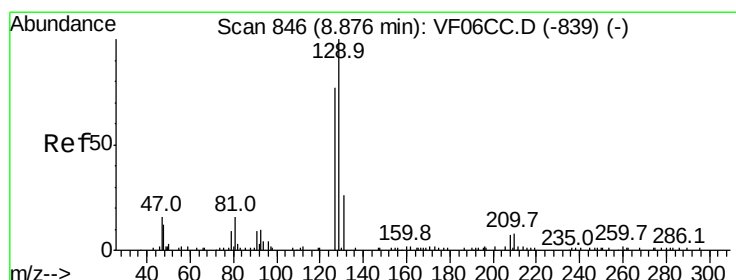
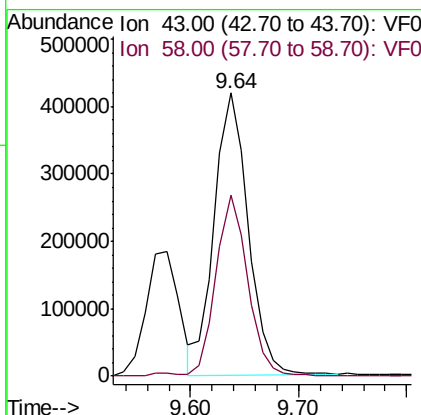
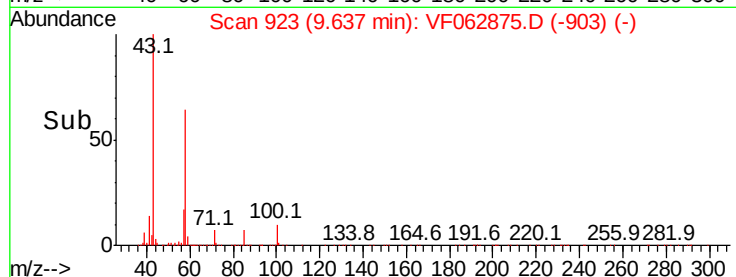
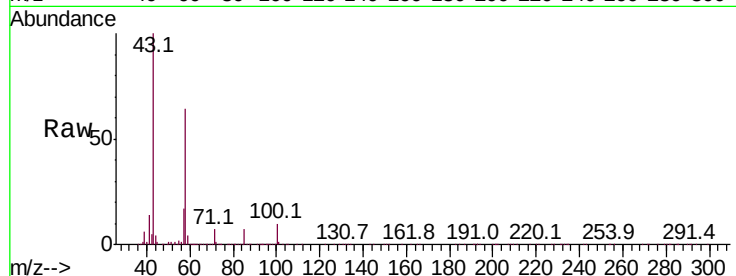
#59
2-Hexanone
Concen: 278.322 ug/l
RT: 9.64 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 915648
Ion Ratio Lower Upper
43 100
58 63.9 29.3 87.9

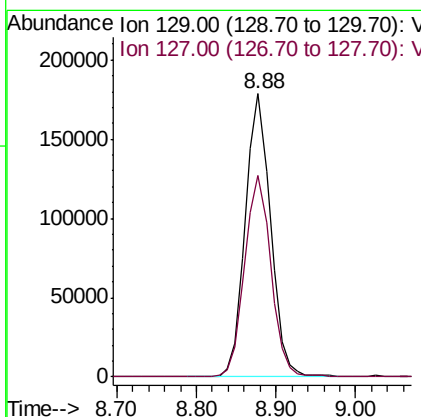
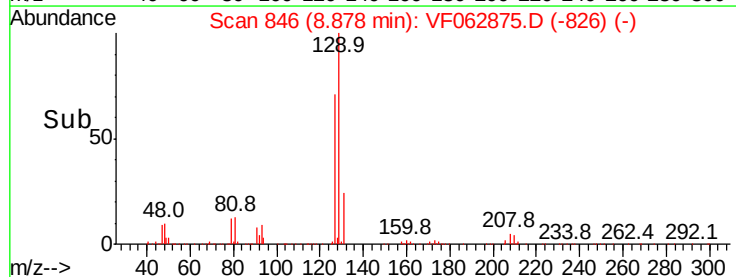
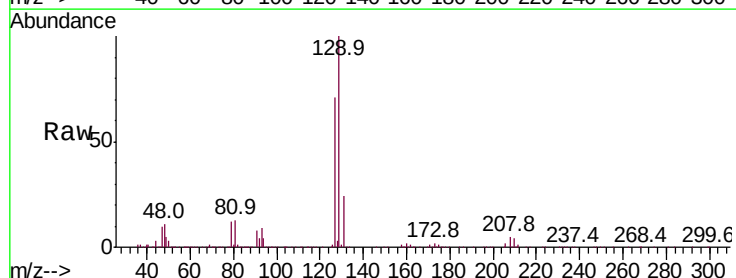
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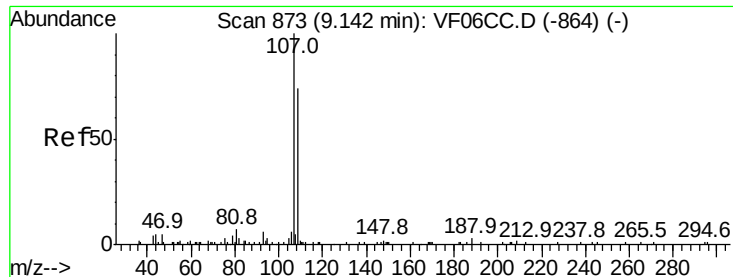
MMDadoda
6/7/2019 4:03:52 PM



#60
Dibromochloromethane
Concen: 52.551 ug/l
RT: 8.88 min Scan# 846
Delta R.T. -0.00 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Tgt Ion: 129 Resp: 390082
Ion Ratio Lower Upper
129 100
127 71.1 37.1 111.3





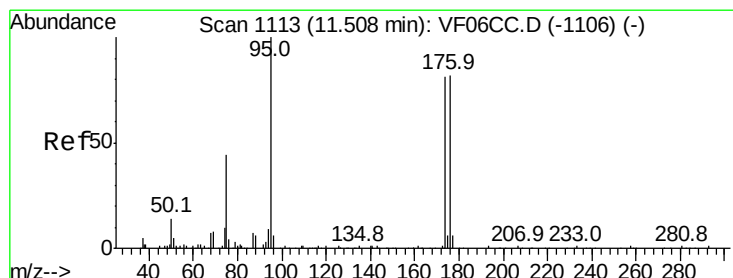
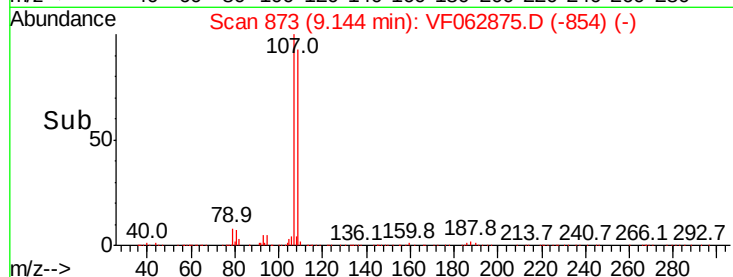
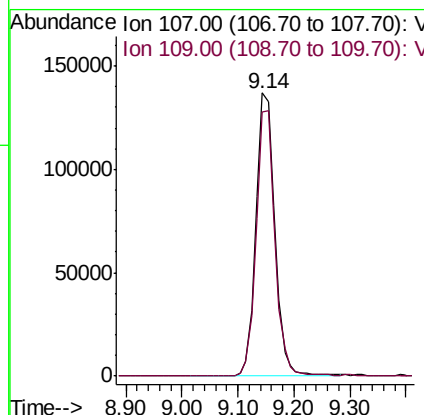
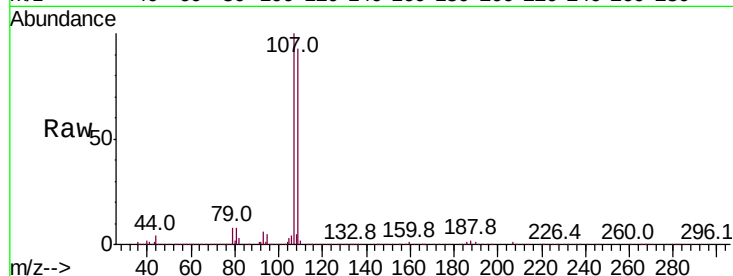
#61
1,2-Dibromoethane
Concen: 51.684 ug/l
RT: 9.14 min Scan# 873
Delta R.T. -0.01 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	78.1	117.1

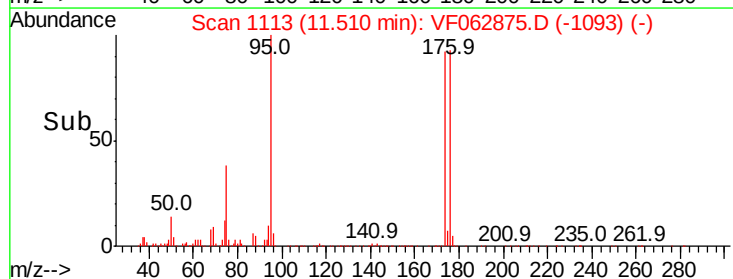
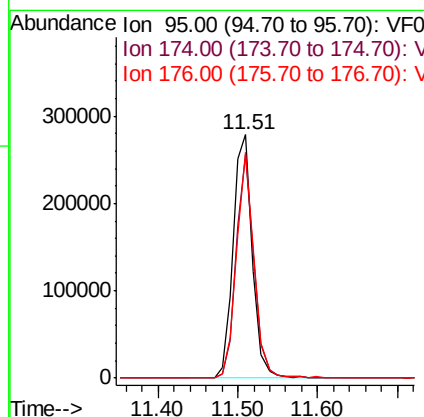
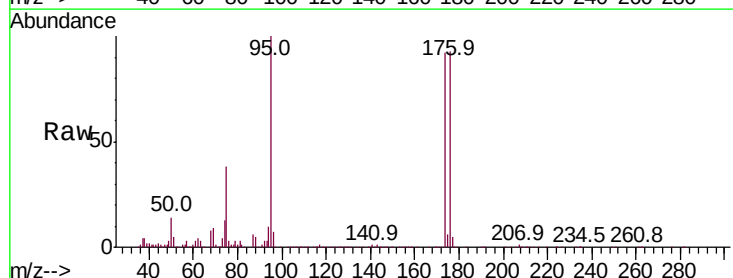
Manual Integrations
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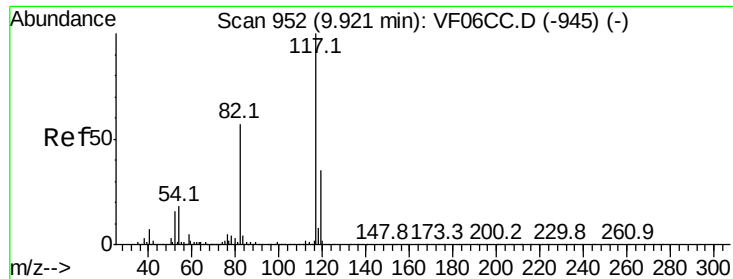
MMDadoda
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#62
4-Bromofluorobenzene
Concen: 50.084 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.8	0.0	170.6
176	92.6	0.0	170.6





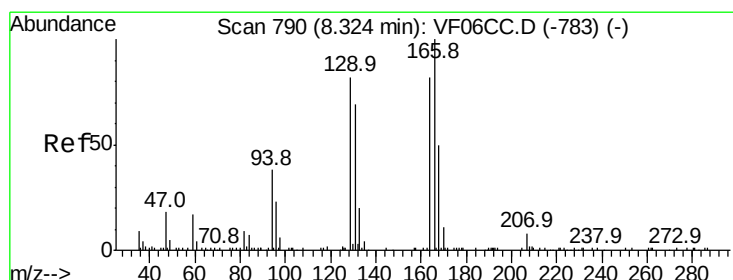
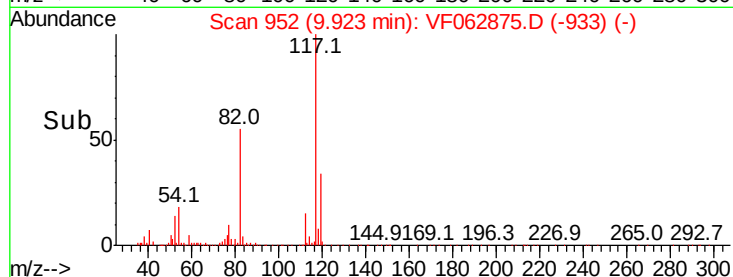
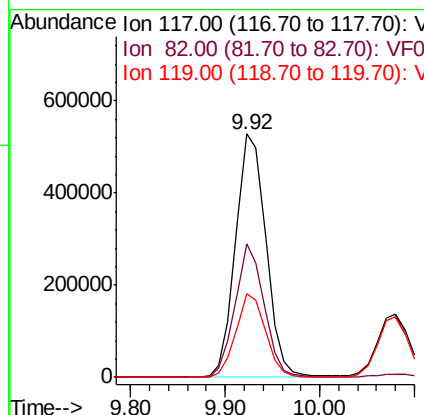
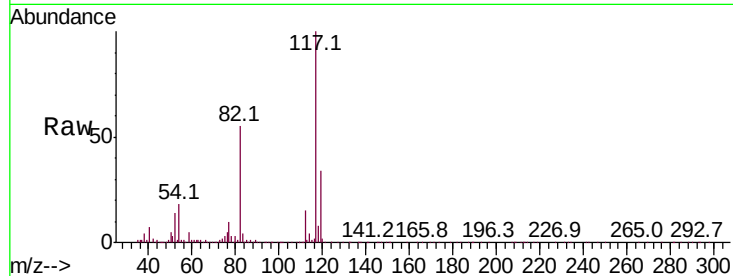
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	42.4	63.6
119	34.4	27.1	40.7

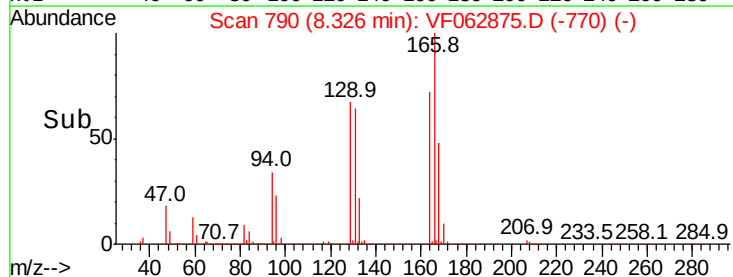
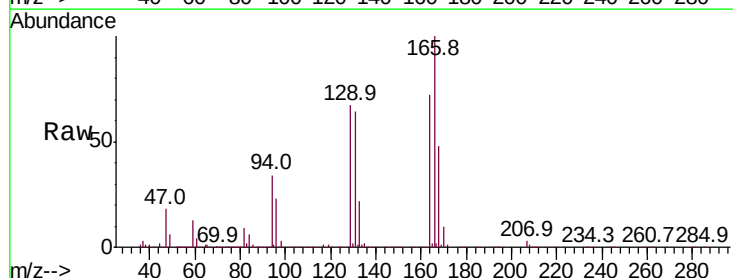
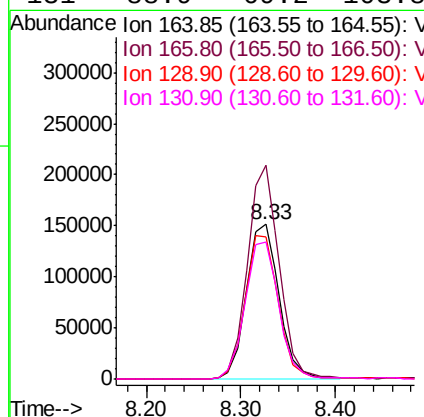
Manual Integrations
APPROVED

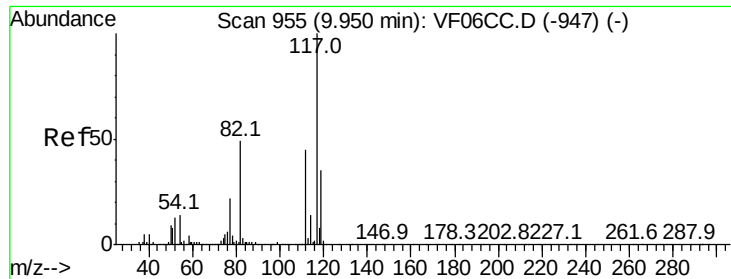
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#64
Tetrachloroethene
Concen: 40.015 ug/l
RT: 8.33 min Scan# 790
Delta R.T. -0.00 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	138.1	99.1	148.7
129	92.3	69.5	104.3
131	88.9	69.2	103.8





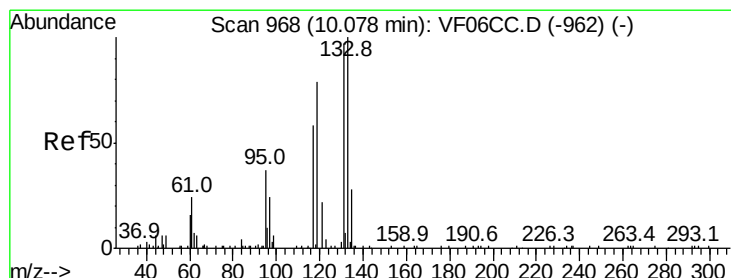
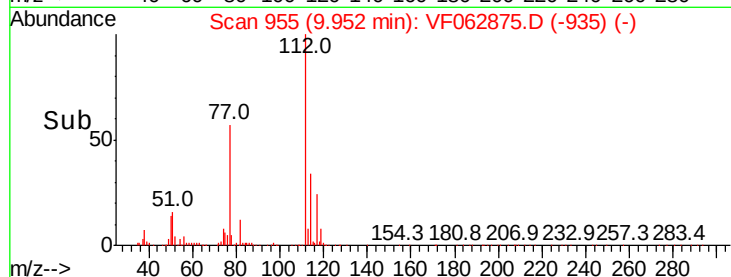
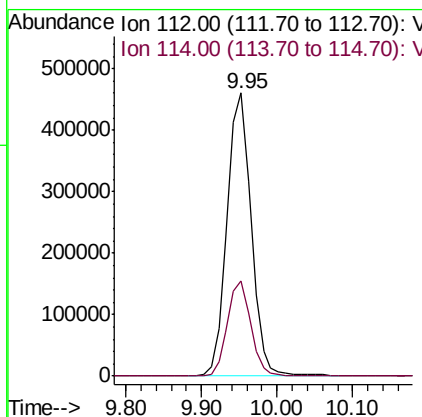
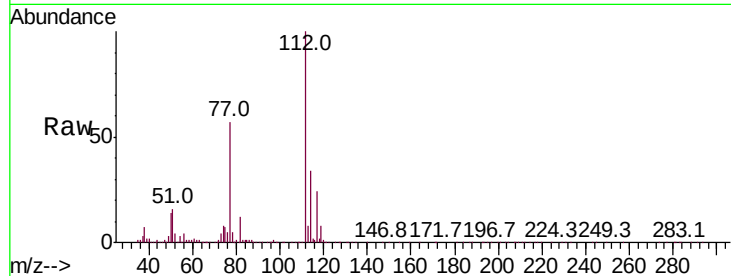
#65
Chlorobenzene
Concen: 44.357 ug/l
RT: 9.95 min Scan# 955
Delta R.T. -0.00 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1016507
Ion Ratio Lower Upper
112 100
114 33.8 27.4 41.0

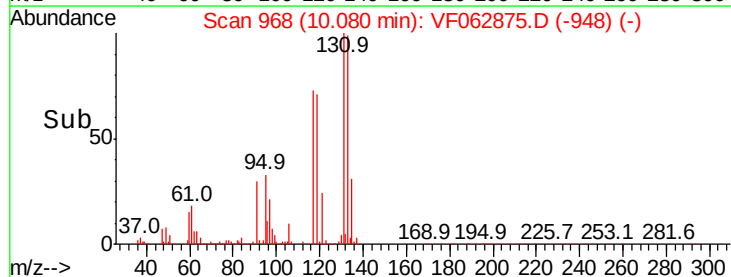
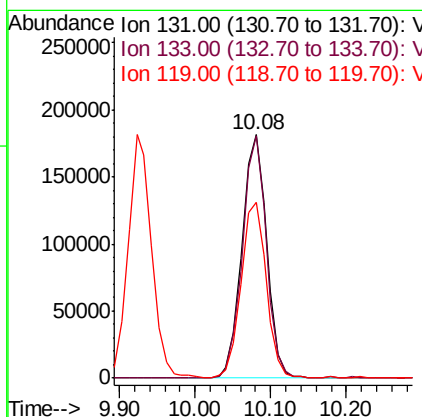
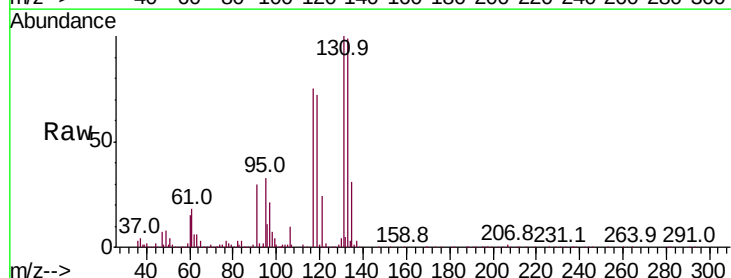
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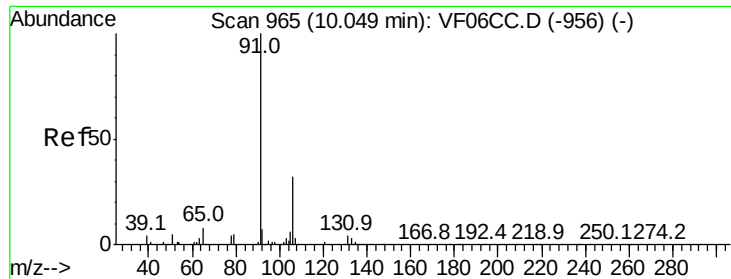
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 45.137 ug/l
RT: 10.08 min Scan# 968
Delta R.T. -0.00 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Tgt Ion:131 Resp: 411948
Ion Ratio Lower Upper
131 100
133 99.4 48.9 146.7
119 72.1 38.0 114.0





#67

Ethyl Benzene

Concen: 43.840 ug/l

RT: 10.04 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF062875.D

Acq: 6 Jun 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1724037

Ion Ratio Lower Upper

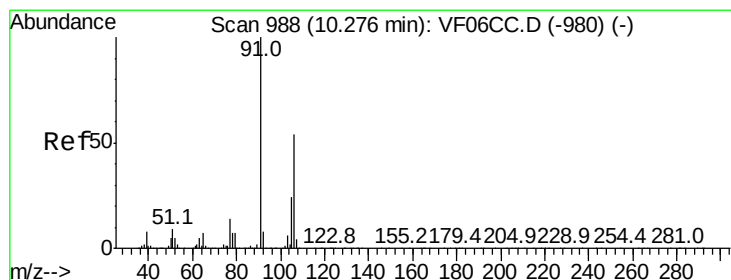
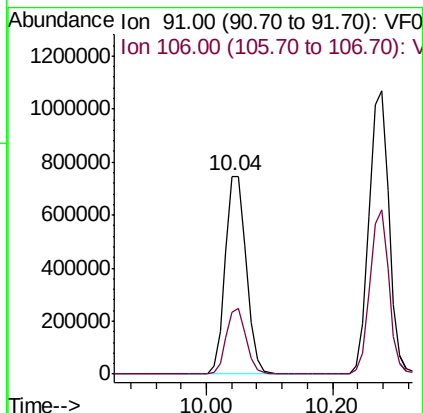
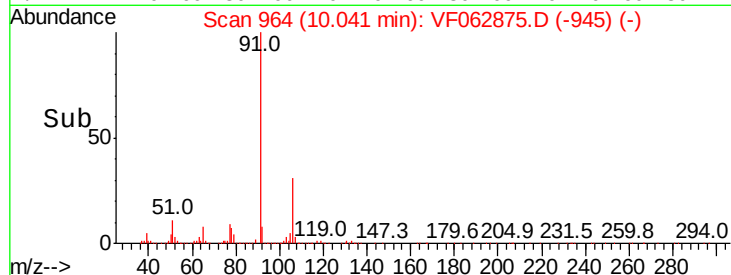
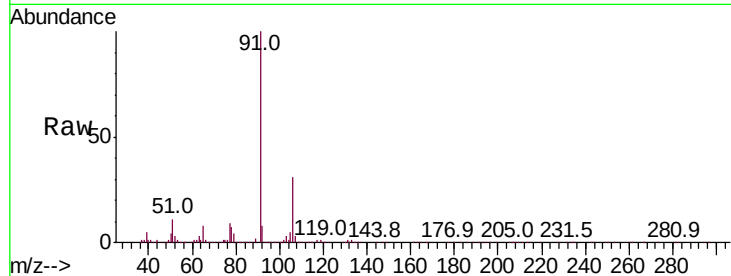
91 100

106 31.1 26.0 39.0

Manual Integrations
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#68

m/p-Xylenes

Concen: 86.111 ug/l

RT: 10.28 min Scan# 988

Delta R.T. -0.00 min

Lab File: VF062875.D

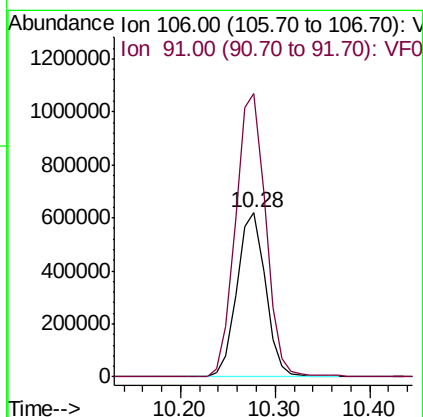
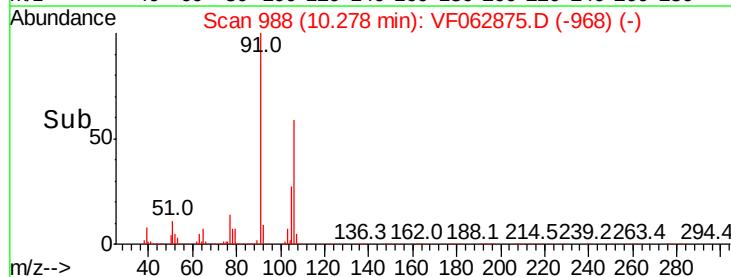
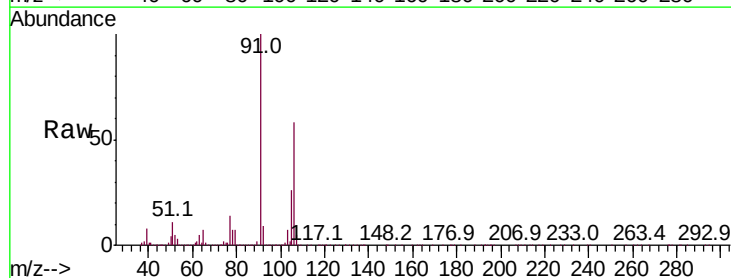
Acq: 6 Jun 2019 10:56

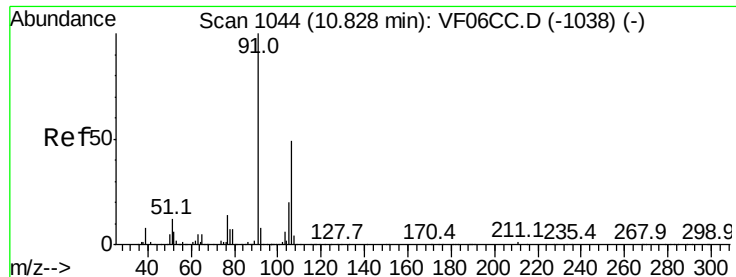
Tgt Ion: 106 Resp: 1295832

Ion Ratio Lower Upper

106 100

91 172.8 136.2 204.4





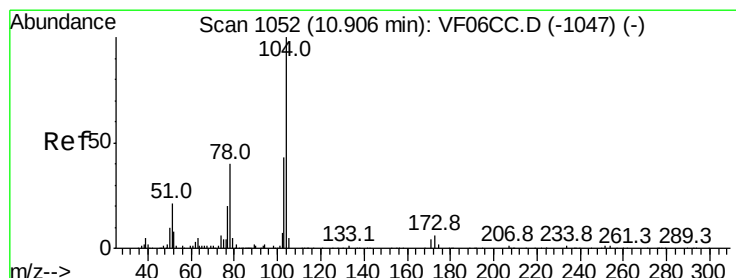
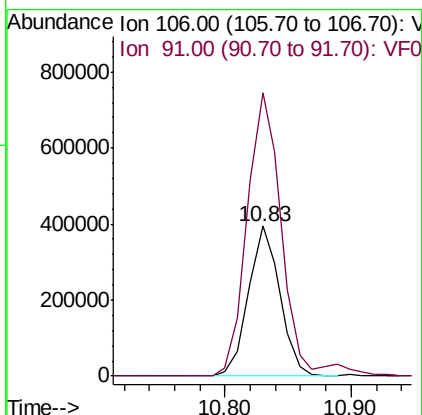
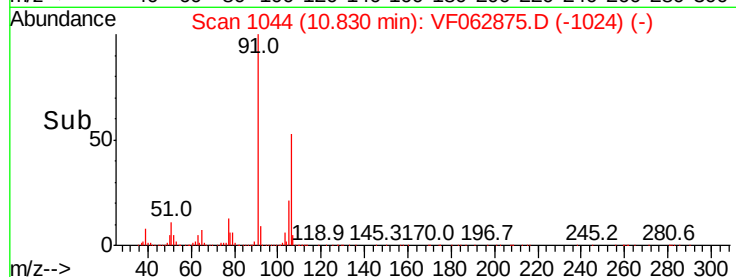
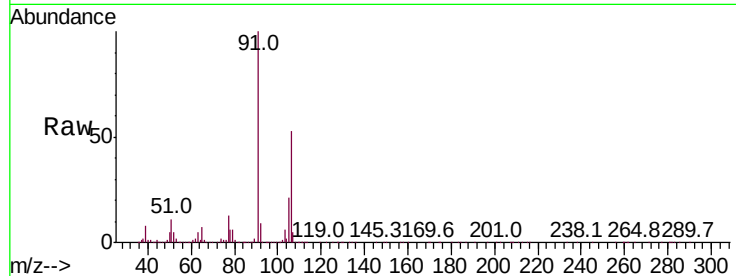
#69
o-Xylene
Concen: 45.283 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	188.8	96.6	289.8

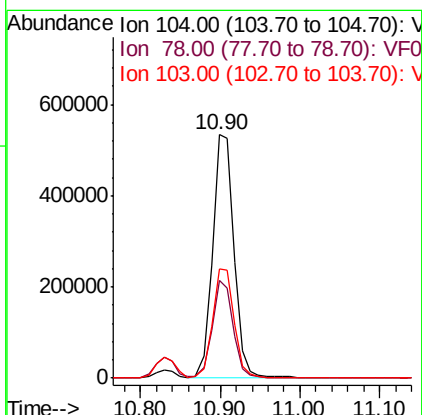
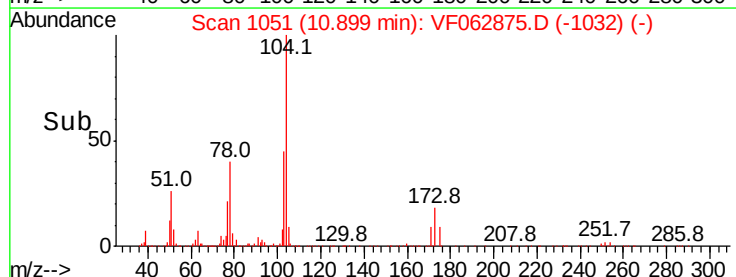
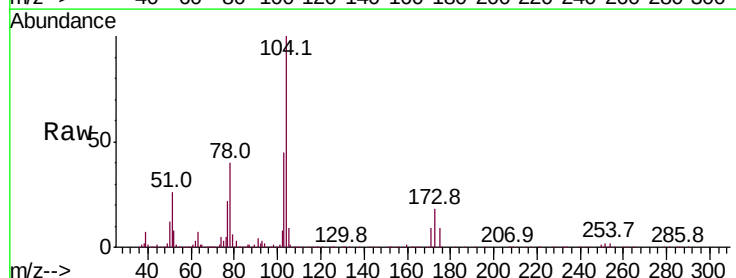
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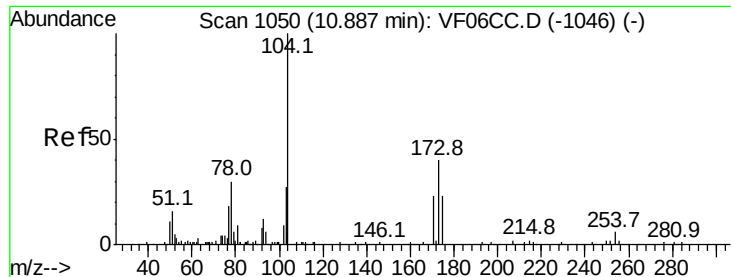
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#70
Styrene
Concen: 45.026 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Tgt Ion	Ratio	Lower	Upper
104	100		
78	40.1	30.8	46.2
103	44.7	35.8	53.6





#71

Bromoform

Concen: 48.386 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF062875.D

Acq: 6 Jun 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 211846

Ion Ratio Lower Upper

173 100

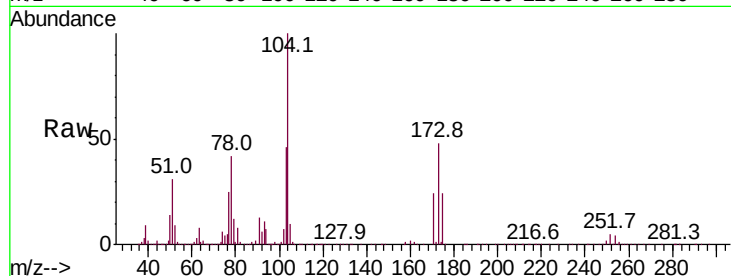
175 49.8 24.6 74.0

254 0.0 0.1 0.1#

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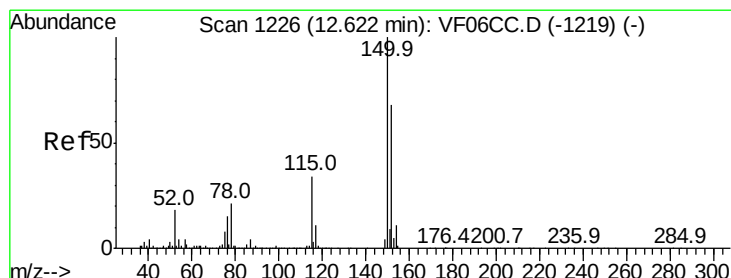
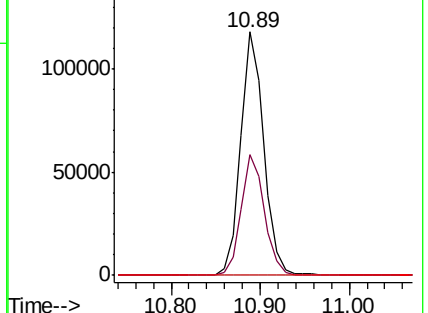
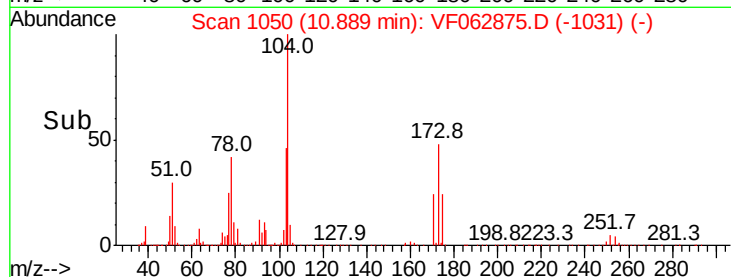


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.00 min

Lab File: VF062875.D

Acq: 6 Jun 2019 10:56

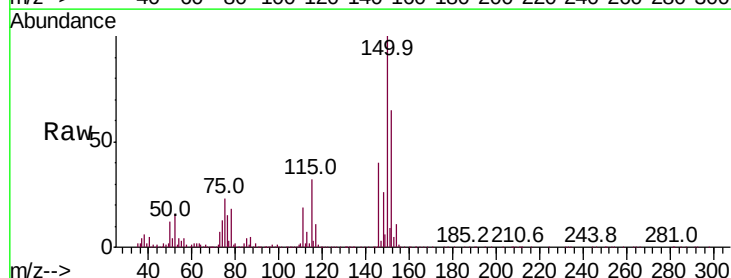
Tgt Ion:152 Resp: 549923

Ion Ratio Lower Upper

152 100

115 50.2 24.6 74.0

150 155.0 0.0 290.6

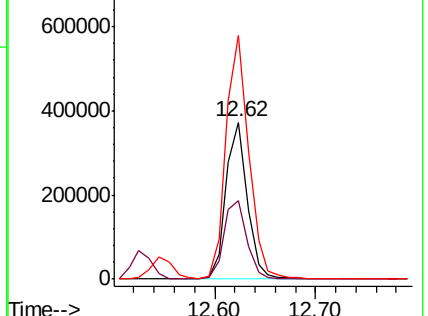
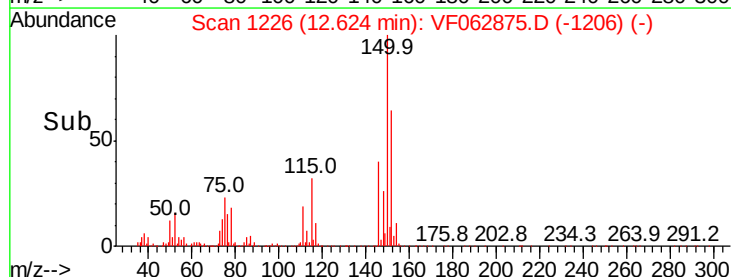


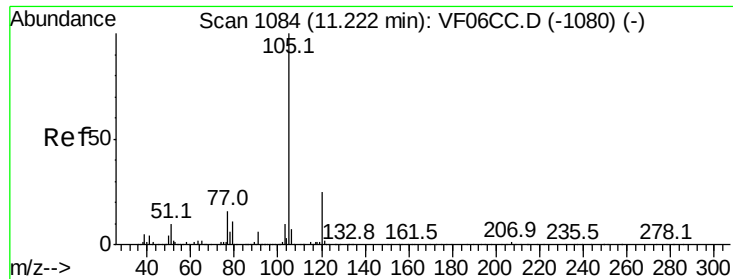
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 46.307 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VF062875.D

Acq: 6 Jun 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1776838

Ion Ratio Lower Upper

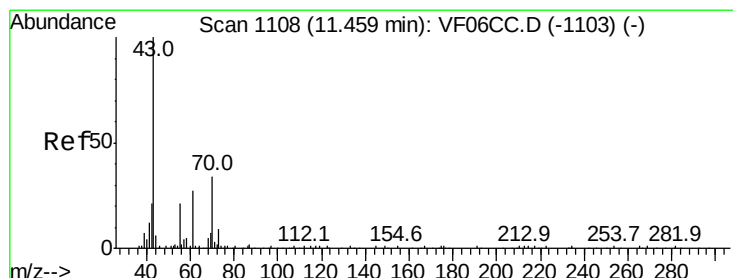
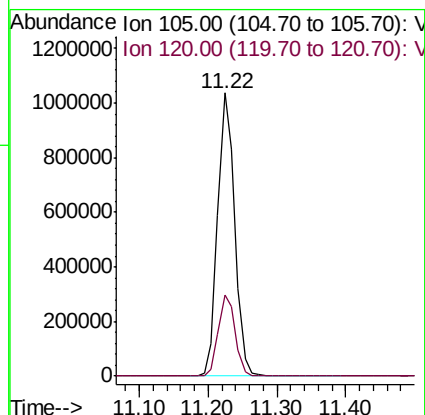
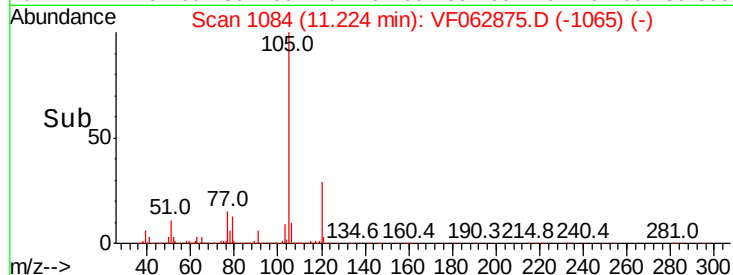
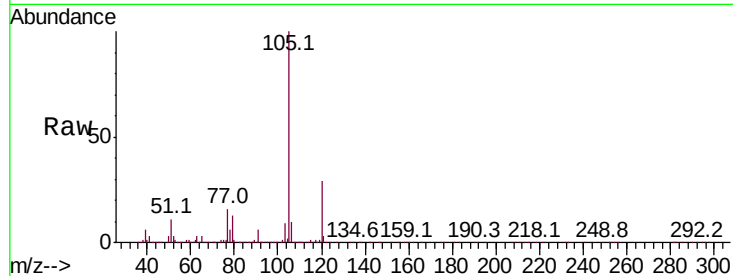
105 100

120 28.8 15.1 45.3

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#74

N-ethyl acetate

Concen: 47.889 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF062875.D

Acq: 6 Jun 2019 10:56

Tgt Ion: 43 Resp: 517901

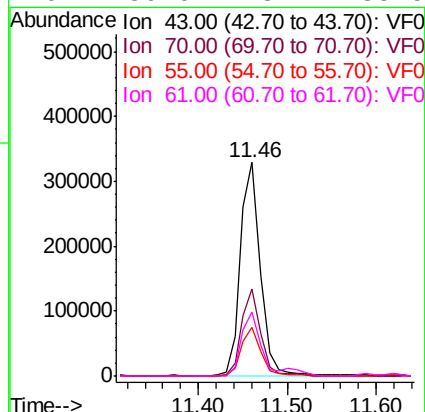
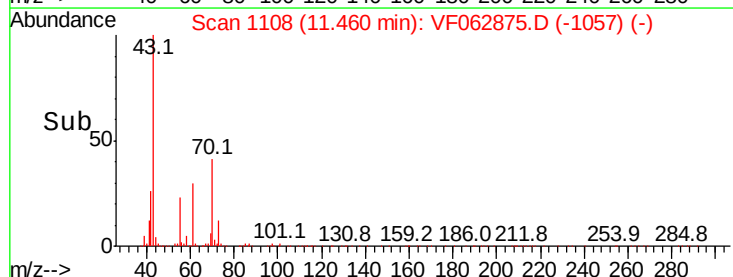
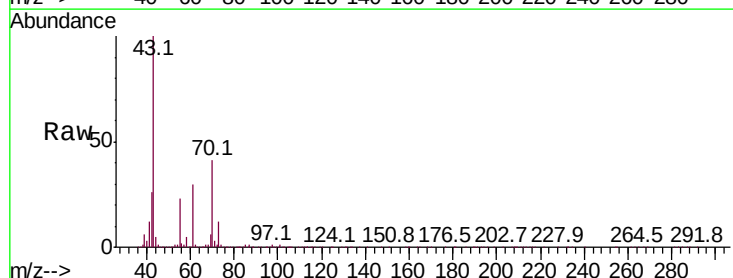
Ion Ratio Lower Upper

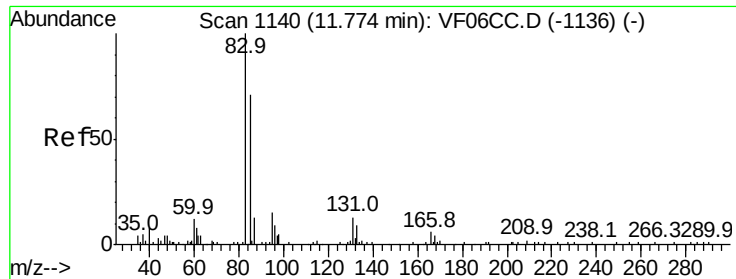
43 100

70 40.6 32.9 49.3

55 23.1 17.3 25.9

61 30.0 23.7 35.5





#75

1,1,2,2-Tetrachloroethane

Concen: 48.934 ug/l

RT: 11.78 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF062875.D

Acq: 6 Jun 2019 10:56

Instrument :

MSVOA_F

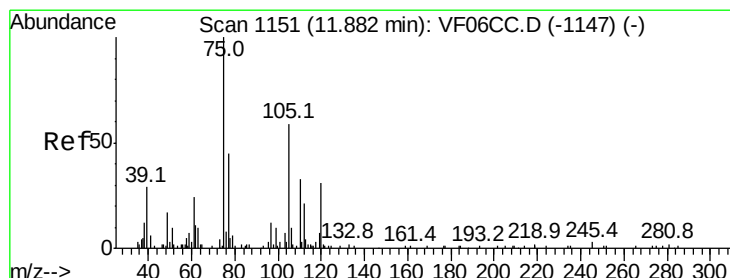
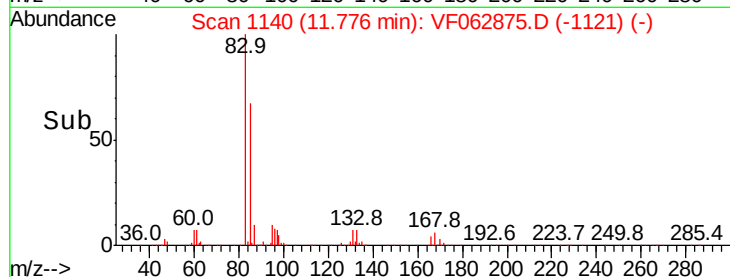
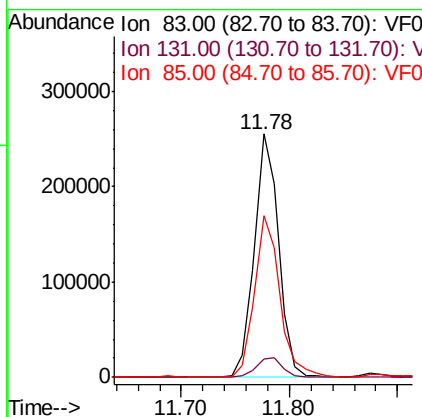
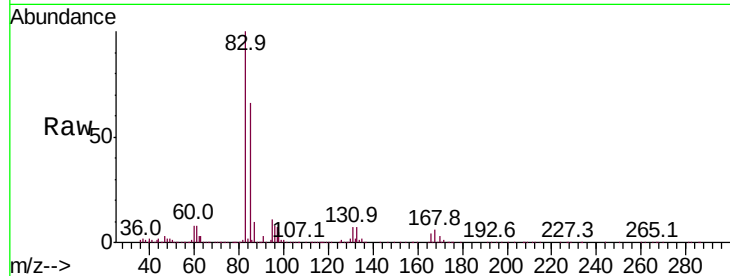
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	400981
Ion Ratio	Lower	Upper	
83	100		
131	7.4	4.9	14.7
85	66.4	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.758 ug/l

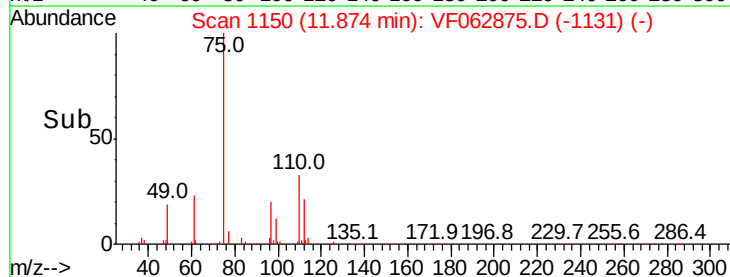
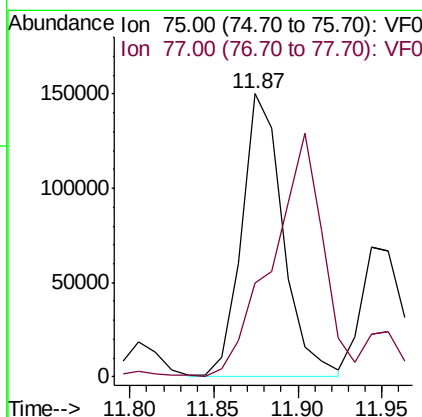
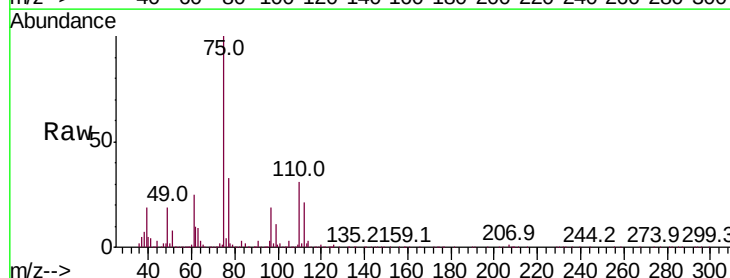
RT: 11.87 min Scan# 1150

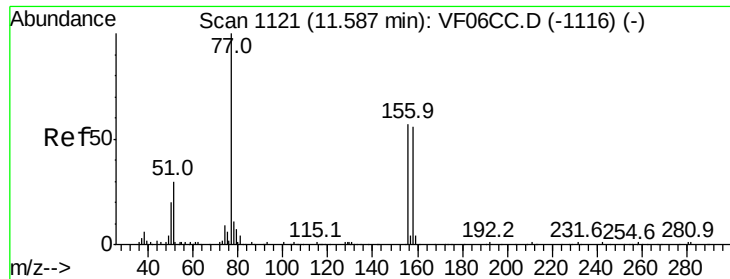
Delta R.T. -0.01 min

Lab File: VF062875.D

Acq: 6 Jun 2019 10:56

Tgt Ion:	75	Resp:	253973
Ion Ratio	Lower	Upper	
75	100		
77	33.1	20.1	60.2





#77

Bromobenzene

Concen: 45.612 ug/l

RT: 11.59 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF062875.D

Acq: 6 Jun 2019 10:56

Instrument :

MSVOA_F

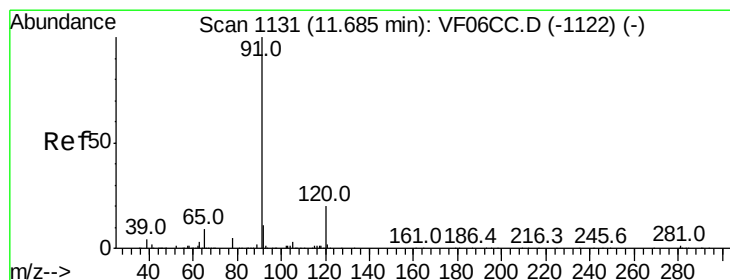
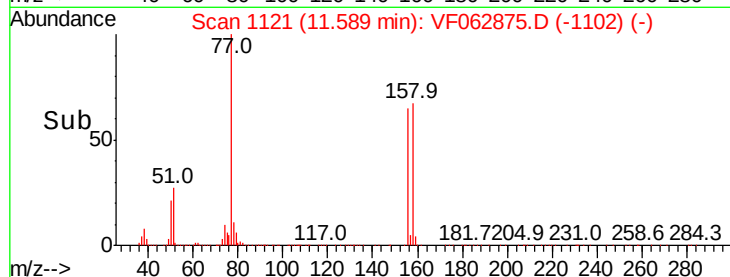
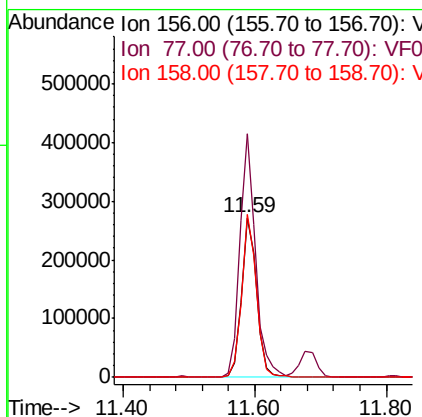
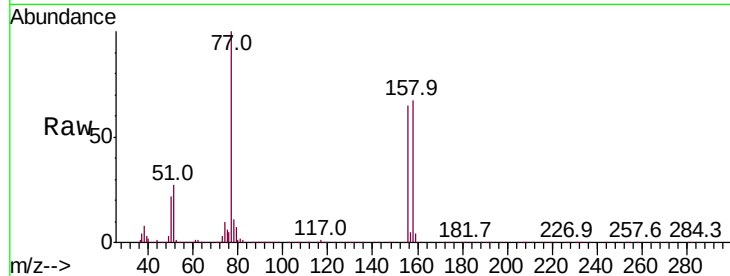
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	439753
Ion Ratio	Lower	Upper	
156	100		
77	152.9	64.2	192.6
158	102.1	50.3	151.0

Manual Integrations
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#78

n-propylbenzene

Concen: 43.811 ug/l

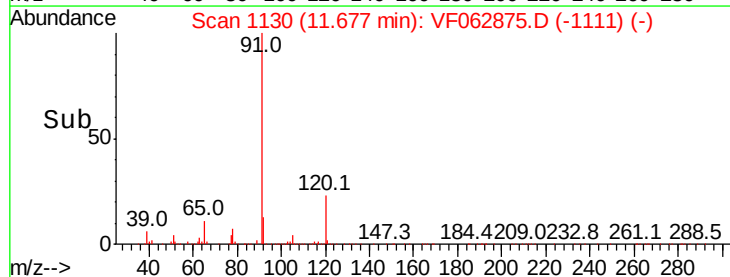
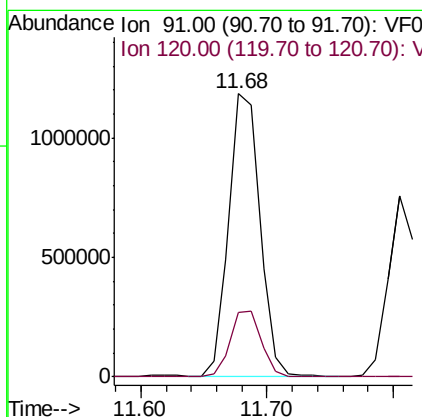
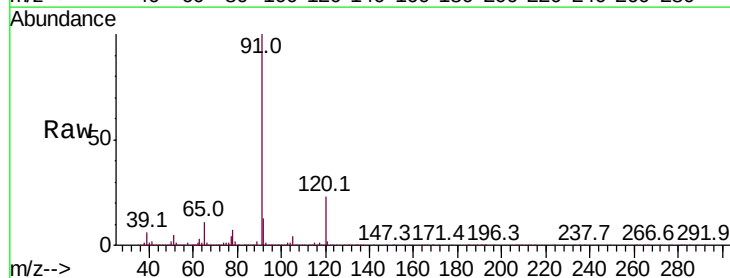
RT: 11.68 min Scan# 1130

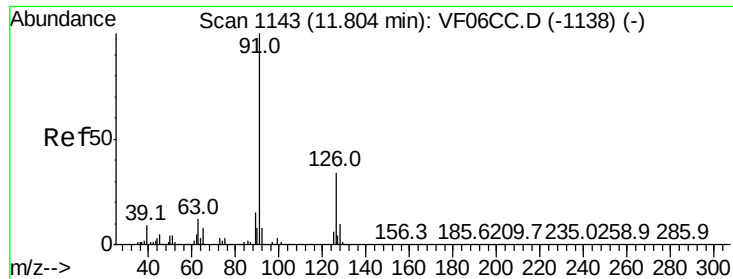
Delta R.T. -0.01 min

Lab File: VF062875.D

Acq: 6 Jun 2019 10:56

Tgt Ion:	91	Resp:	2029811
Ion Ratio	Lower	Upper	
91	100		
120	22.8	12.8	38.4





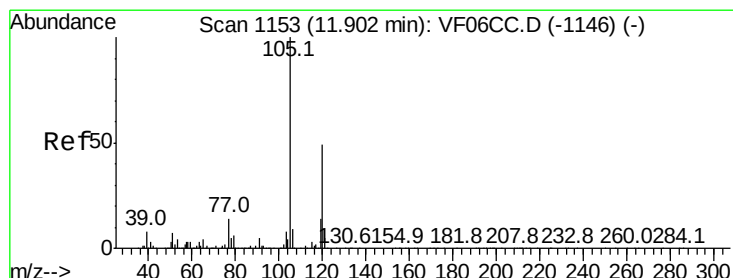
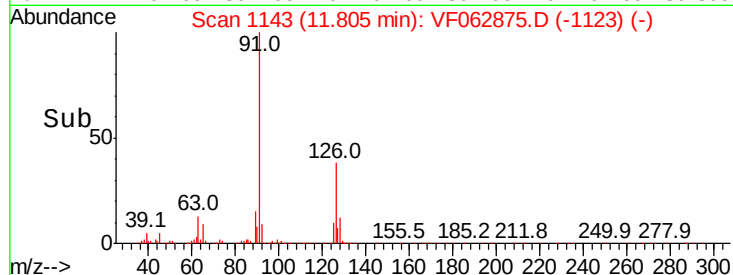
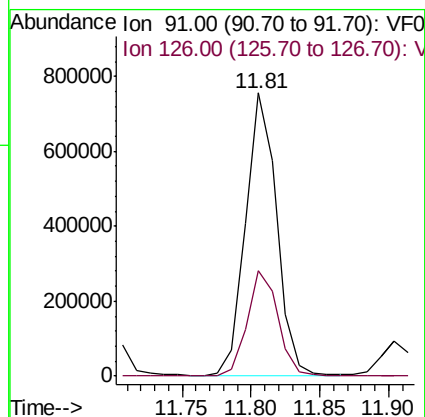
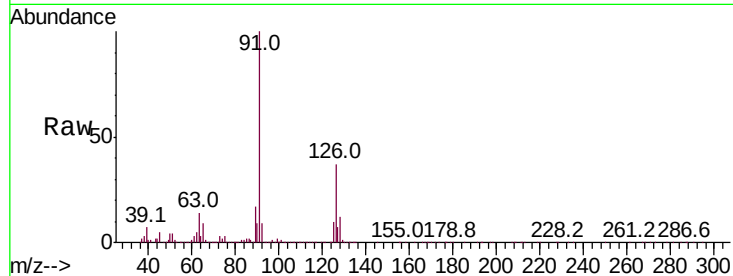
#79
 2-Chlorotoluene
 Concen: 44.556 ug/l
 RT: 11.81 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VF062875.D
 Acq: 6 Jun 2019 10:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 1181180
 Ion Ratio Lower Upper
 91 100
 126 37.3 17.8 53.3

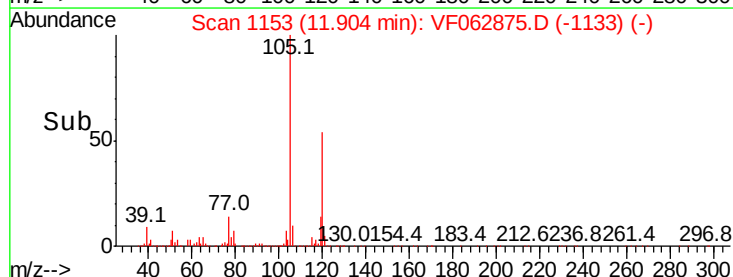
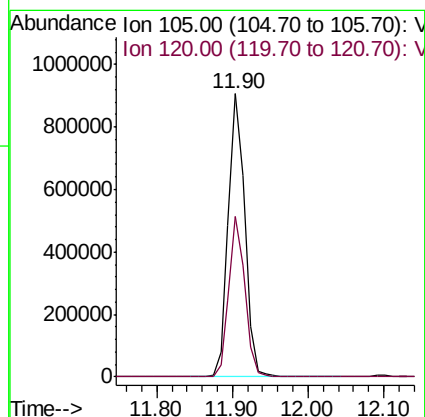
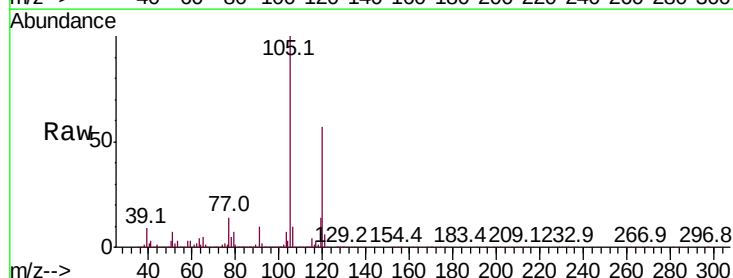
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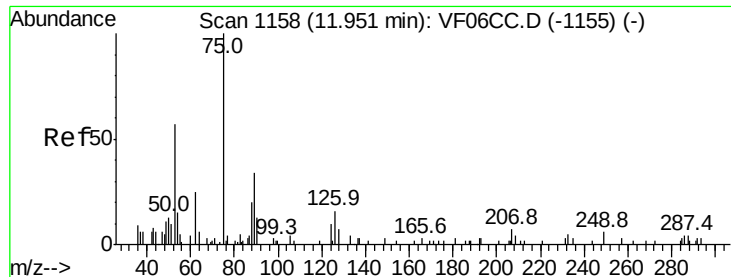
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#80
 1,3,5-Trimethylbenzene
 Concen: 43.871 ug/l
 RT: 11.90 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VF062875.D
 Acq: 6 Jun 2019 10:56

Tgt Ion: 105 Resp: 1376659
 Ion Ratio Lower Upper
 105 100
 120 56.7 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 53.176 ug/l m

RT: 11.94 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF062875.D

Acq: 6 Jun 2019 10:56

Instrument :

MSVOA_F

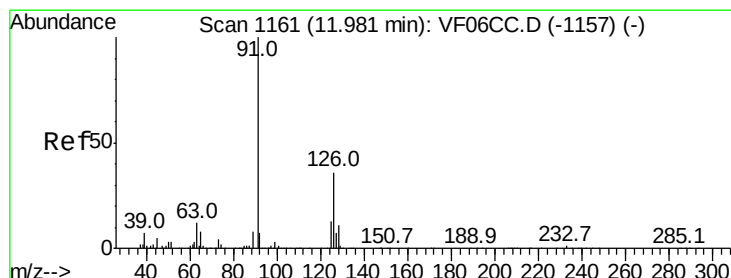
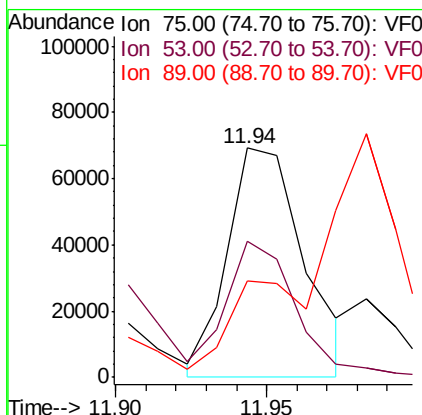
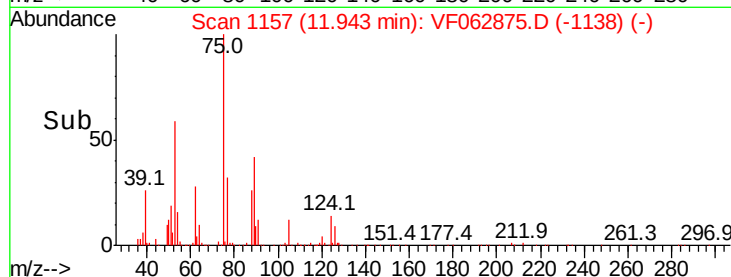
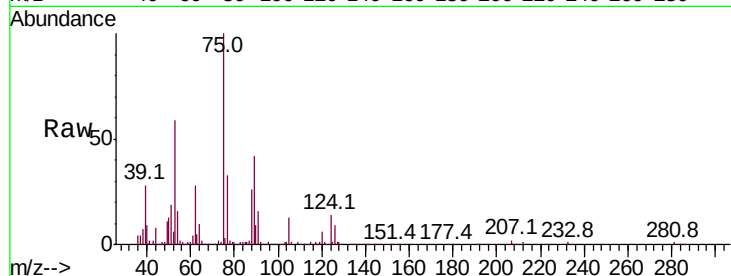
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	122283
Ion Ratio	Lower	Upper	
75	100		
53	59.5	43.5	65.3
89	42.1	34.3	51.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 45.439 ug/l

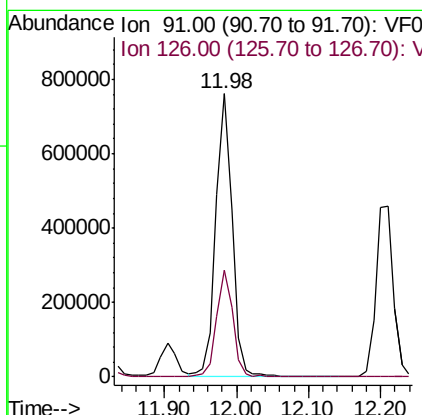
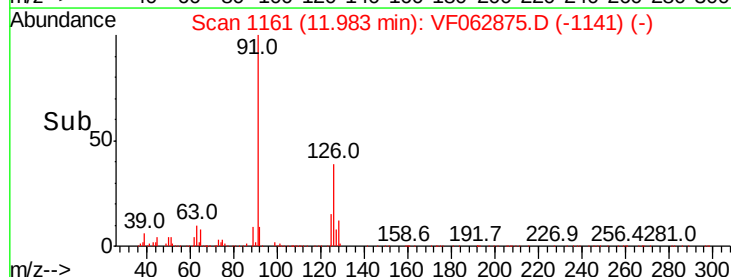
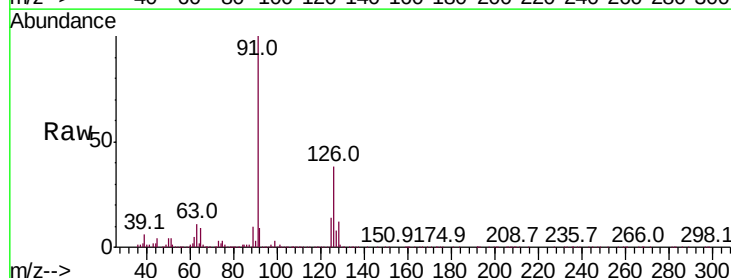
RT: 11.98 min Scan# 1161

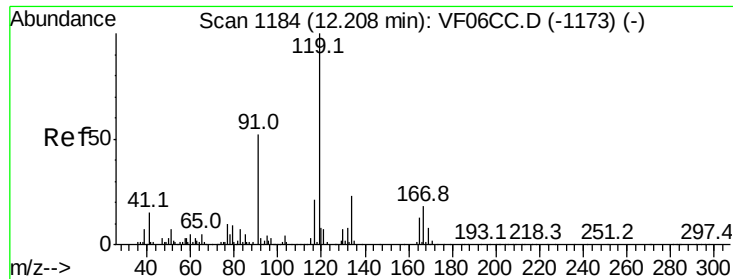
Delta R.T. -0.00 min

Lab File: VF062875.D

Acq: 6 Jun 2019 10:56

Tgt Ion:	91	Resp:	1183807
Ion Ratio	Lower	Upper	
91	100		
126	37.5	19.1	57.1





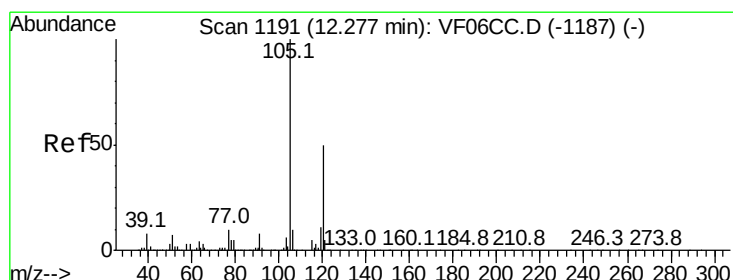
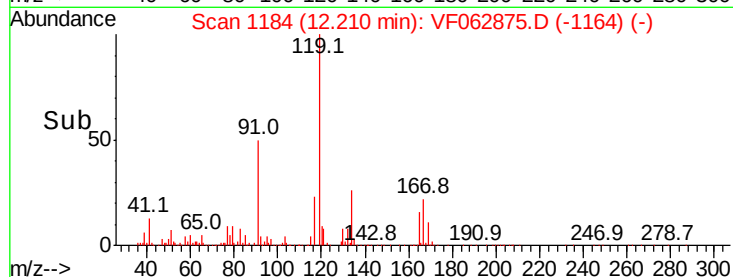
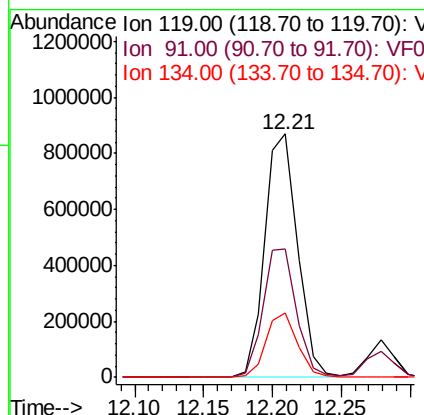
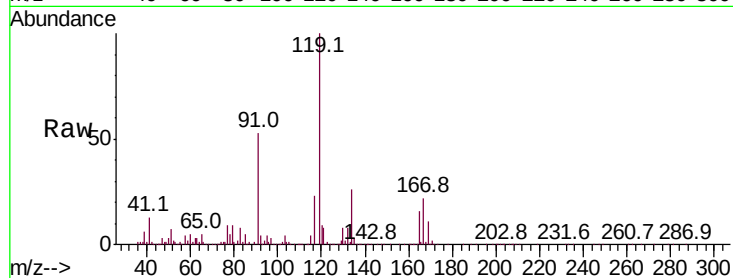
#83
tert-Butylbenzene
Concen: 46.476 ug/l
RT: 12.21 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	52.6	28.9	86.7
134	26.3	14.3	42.9

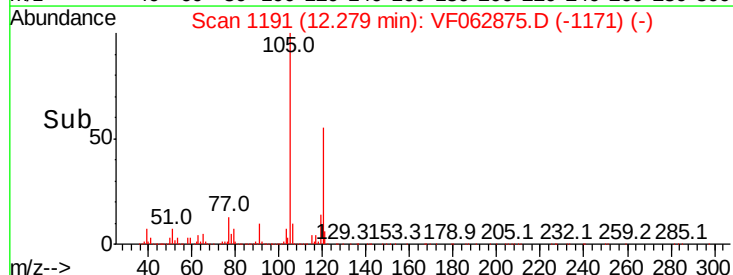
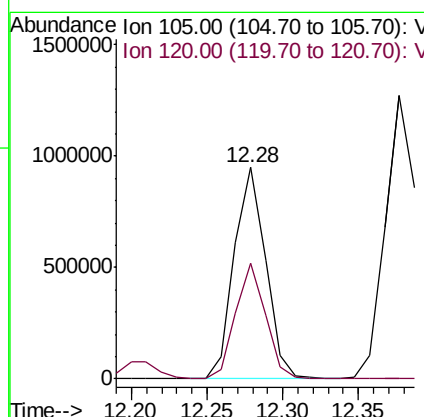
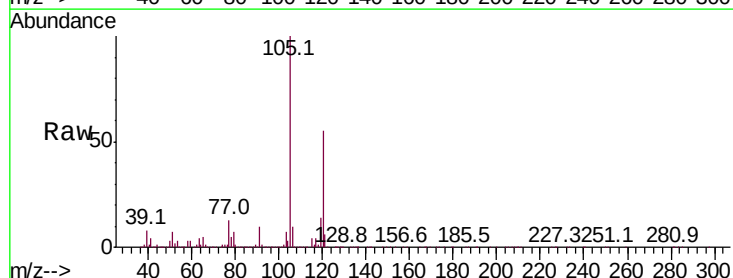
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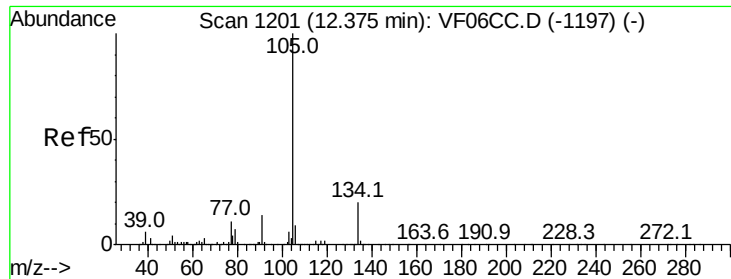
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#84
1,2,4-Trimethylbenzene
Concen: 46.076 ug/l
RT: 12.28 min Scan# 1191
Delta R.T. -0.00 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	54.7	27.1	81.3





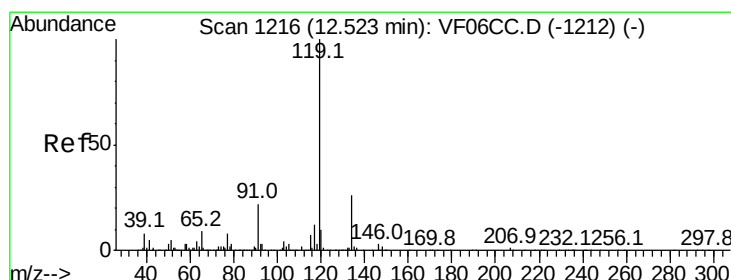
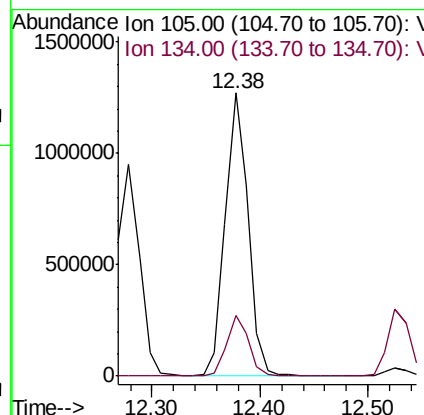
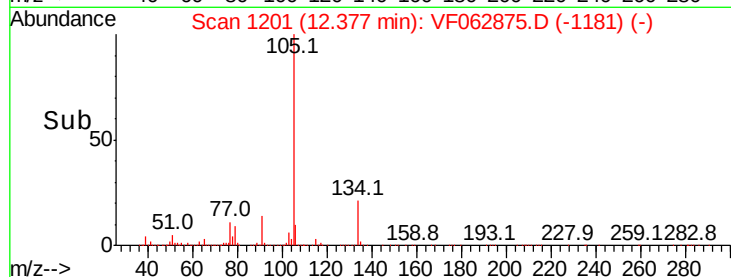
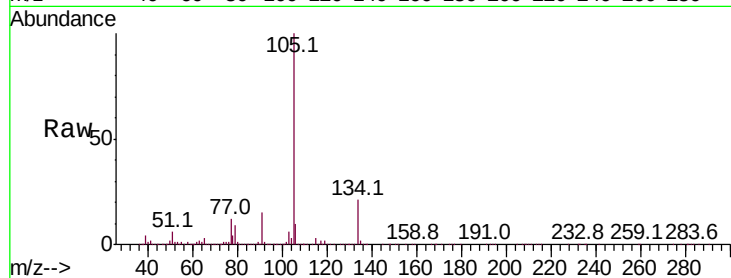
#85
 sec-Butylbenzene
 Concen: 45.434 ug/l
 RT: 12.38 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF062875.D
 Acq: 6 Jun 2019 10:56

Instrument :
 MSVOA_F
 ClientSampled :
 VSTDCCC050

Tot Ion:105 Resp: 1861488
 Ion Ratio Lower Upper
 105 100
 134 21.5 10.5 31.6

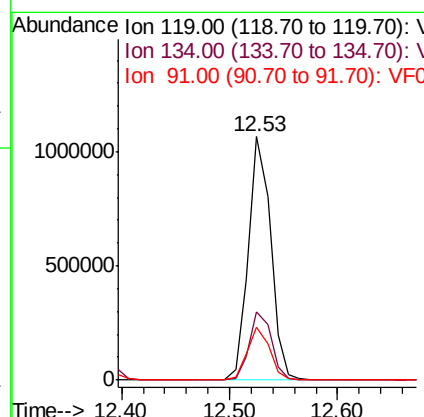
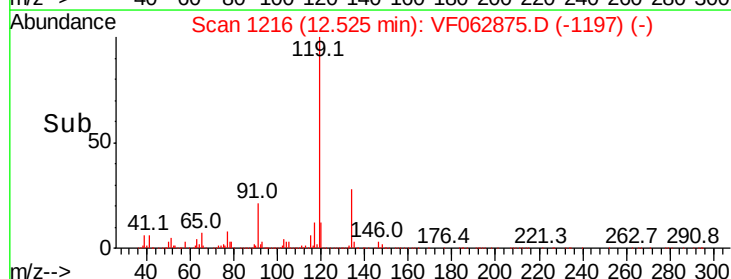
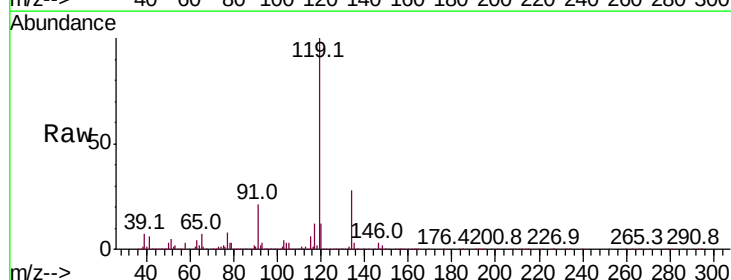
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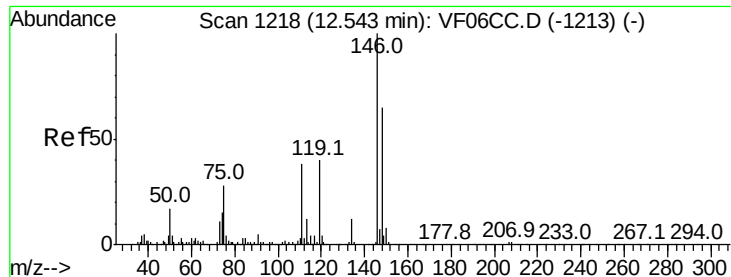
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#86
 p-Isopropyltoluene
 Concen: 45.005 ug/l
 RT: 12.53 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VF062875.D
 Acq: 6 Jun 2019 10:56

Tgt Ion:119 Resp: 1534801
 Ion Ratio Lower Upper
 119 100
 134 28.2 15.5 46.5
 91 21.5 10.3 30.9





#87

1,3-Dichlorobenzene

Concen: 43.852 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF062875.D

Acq: 6 Jun 2019 10:56

Instrument :

MSVOA_F

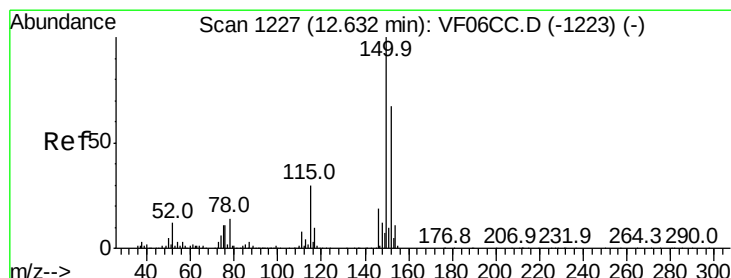
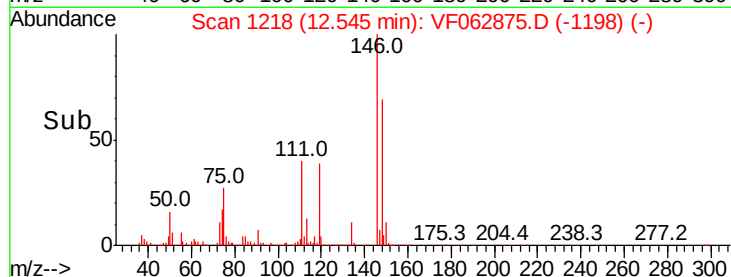
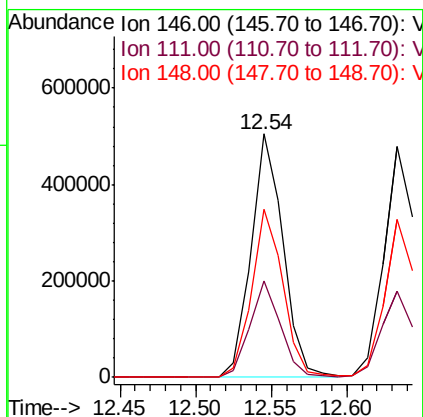
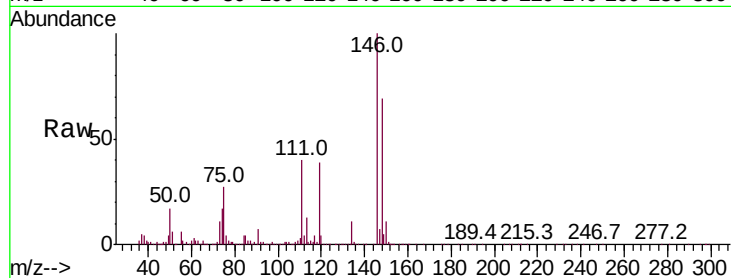
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	745617
Ion Ratio	Lower	Upper	
146	100		
111	39.7	19.6	58.8
148	68.8	34.2	102.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 45.067 ug/l

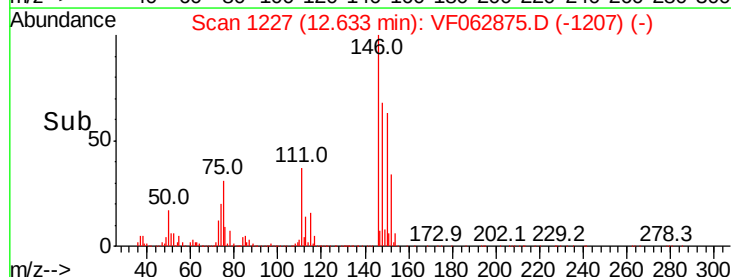
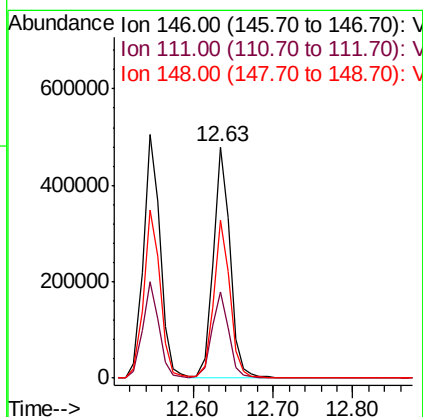
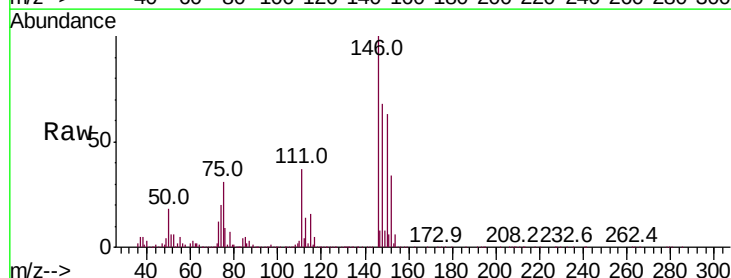
RT: 12.63 min Scan# 1227

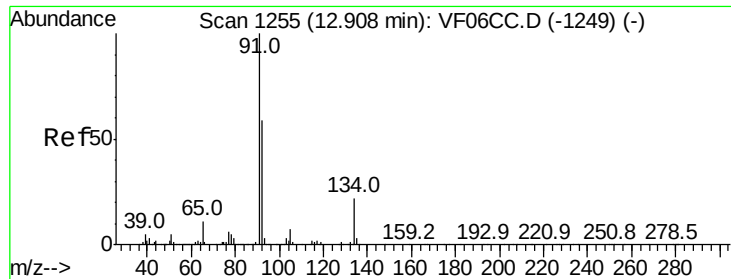
Delta R.T. -0.00 min

Lab File: VF062875.D

Acq: 6 Jun 2019 10:56

Tgt Ion:	146	Resp:	715130
Ion Ratio	Lower	Upper	
146	100		
111	37.4	20.3	60.9
148	68.2	34.0	101.8





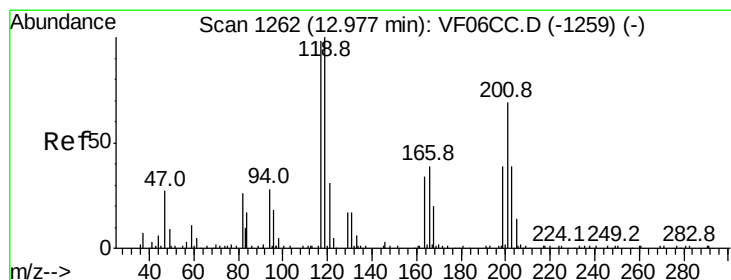
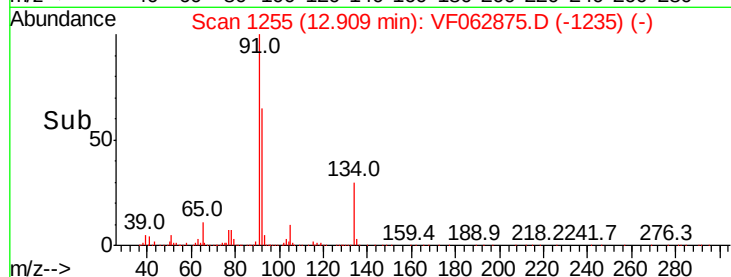
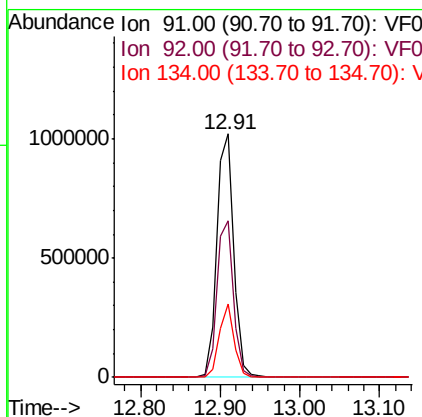
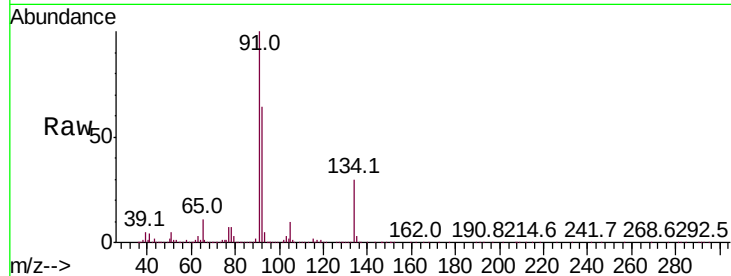
#89
n-Butylbenzene
Concen: 44.680 ug/l
RT: 12.91 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1532733
Ion Ratio Lower Upper
91 100
92 64.5 34.2 102.6
134 30.2 15.8 47.3

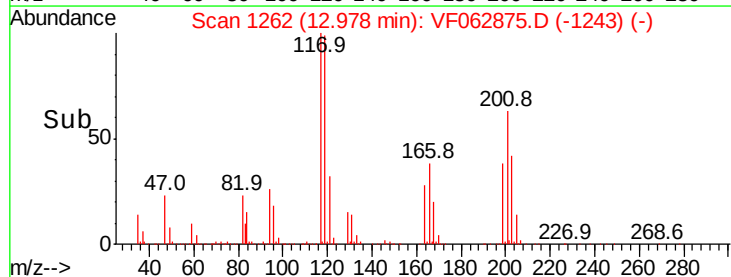
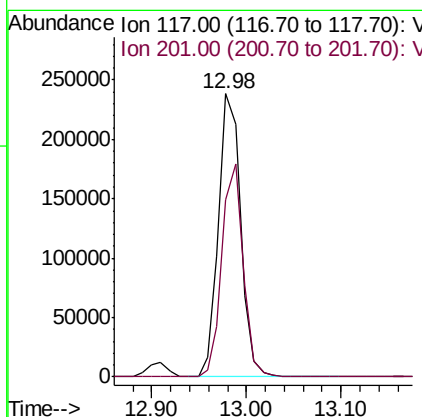
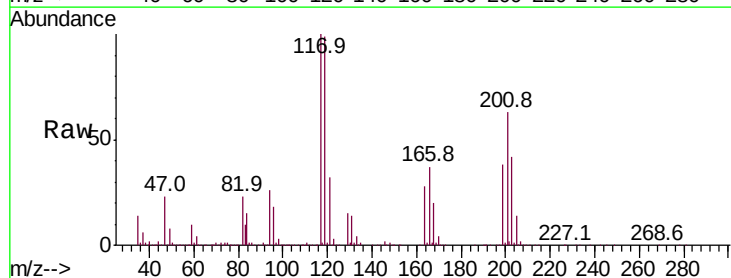
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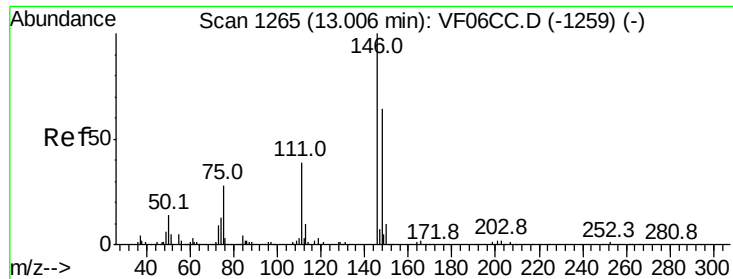
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#90
Hexachloroethane
Concen: 46.794 ug/l
RT: 12.98 min Scan# 1262
Delta R.T. -0.01 min
Lab File: VF062875.D
Acq: 6 Jun 2019 10:56

Tgt Ion: 117 Resp: 389213
Ion Ratio Lower Upper
117 100
201 62.7 38.9 116.7





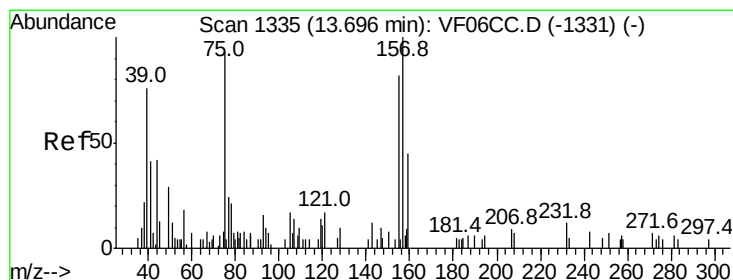
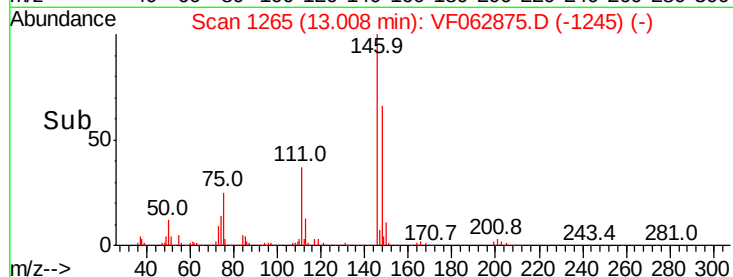
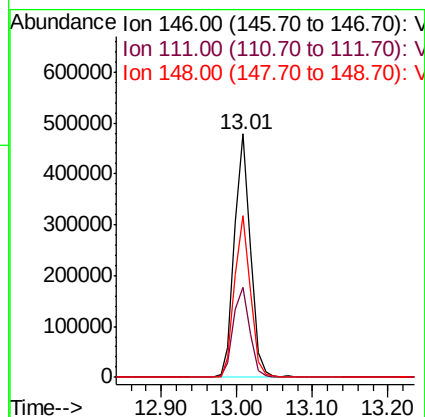
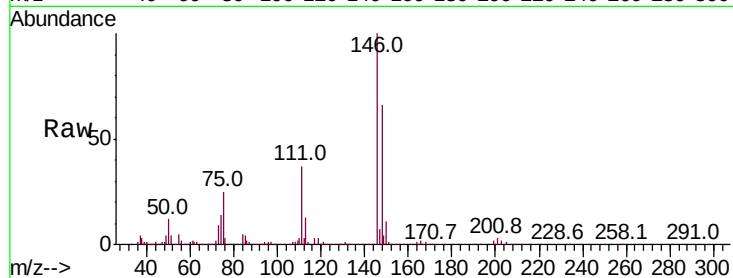
#91
 1,2-Dichlorobenzene
 Concen: 46.260 ug/l
 RT: 13.01 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VF062875.D
 Acq: 6 Jun 2019 10:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	20.4	61.3
148	66.3	34.1	102.3

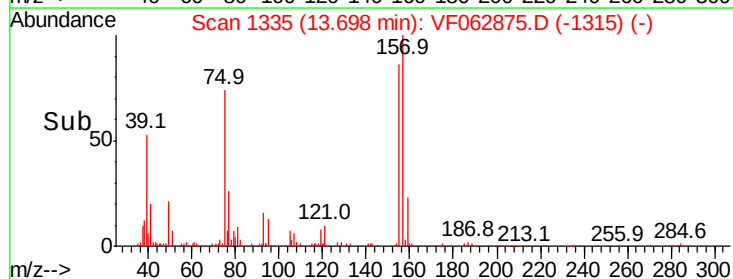
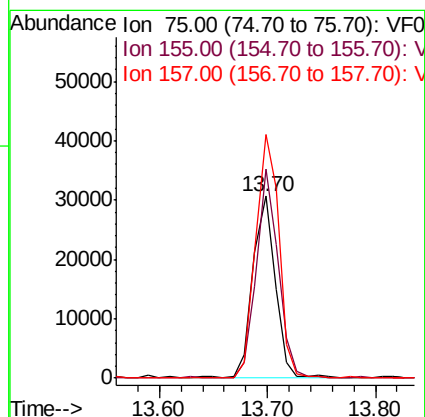
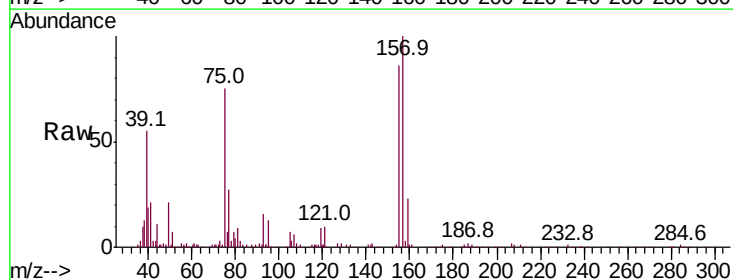
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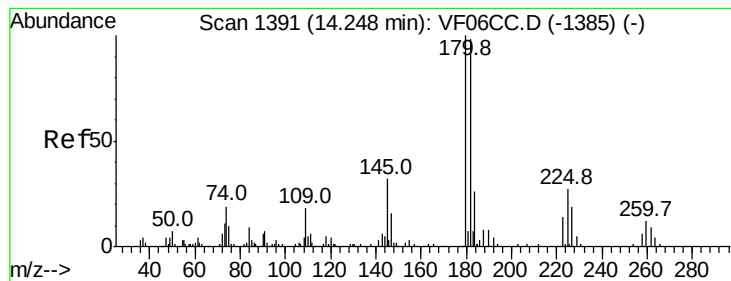
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.262 ug/l
 RT: 13.70 min Scan# 1335
 Delta R.T. -0.00 min
 Lab File: VF062875.D
 Acq: 6 Jun 2019 10:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	115.1	51.7	155.1
157	133.8	66.8	200.6





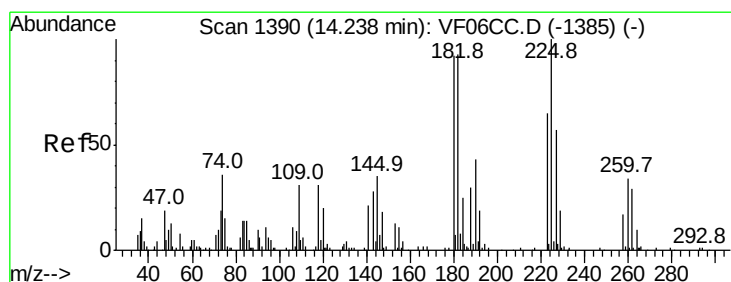
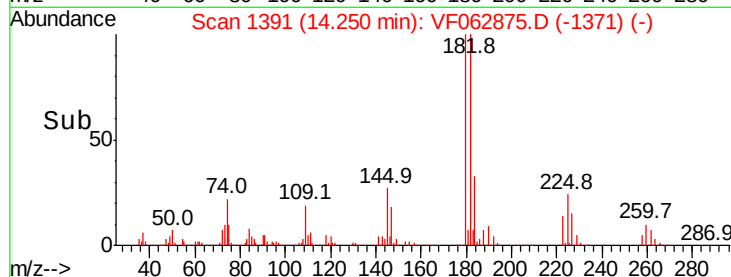
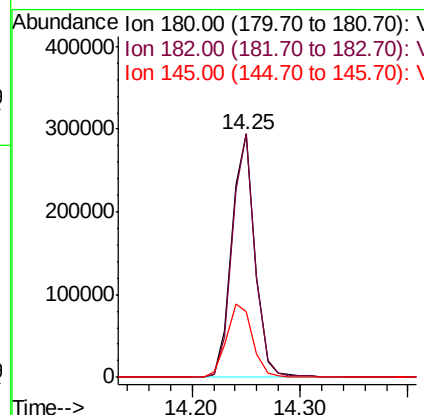
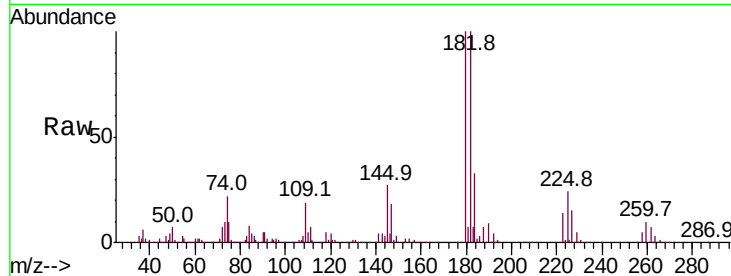
#93
 1,2,4-Trichlorobenzene
 Concen: 42.779 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VF062875.D
 Acq: 6 Jun 2019 10:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	438972		
182	99.8	50.3	150.9	
145	27.2	15.4	46.2	

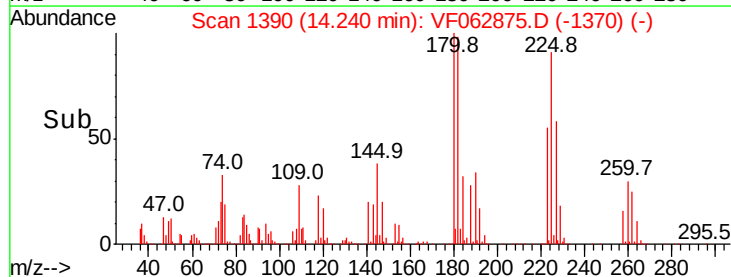
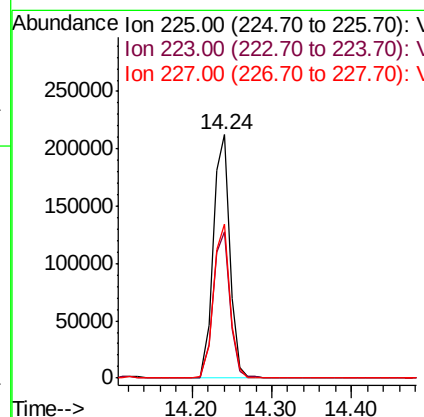
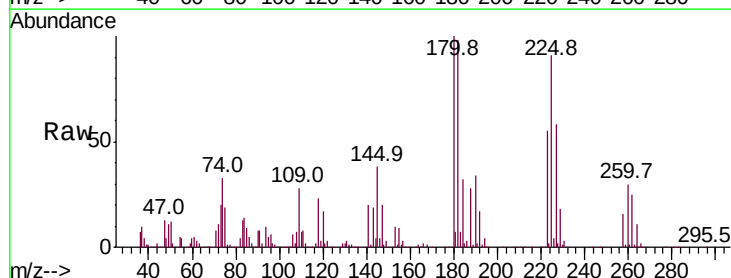
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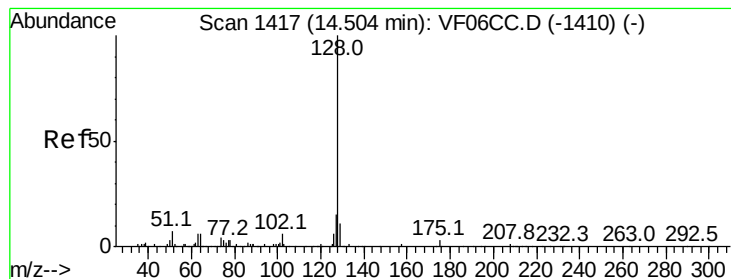
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#94
 Hexachlorobutadiene
 Concen: 43.815 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062875.D
 Acq: 6 Jun 2019 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	311035		
223	60.0	30.8	92.4	
227	63.3	31.9	95.5	





#95

Naphthalene

Concen: 49.162 ug/l

RT: 14.50 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF062875.D

Acq: 6 Jun 2019 10:56

Instrument :

MSVOA_F

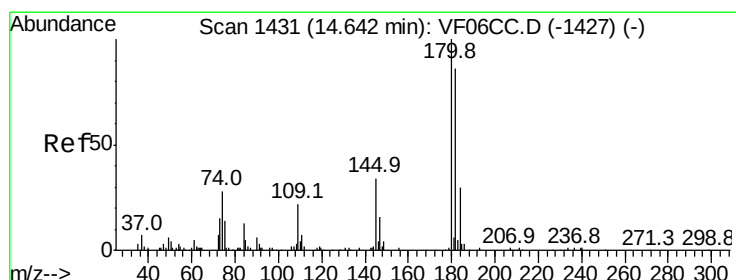
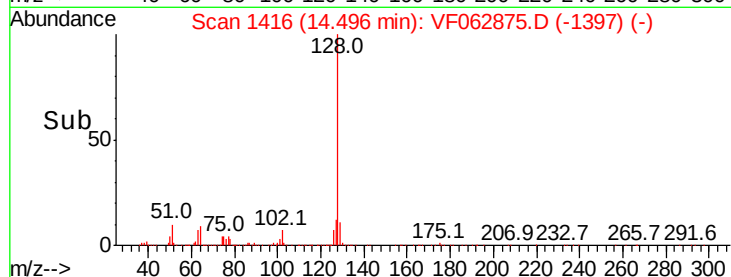
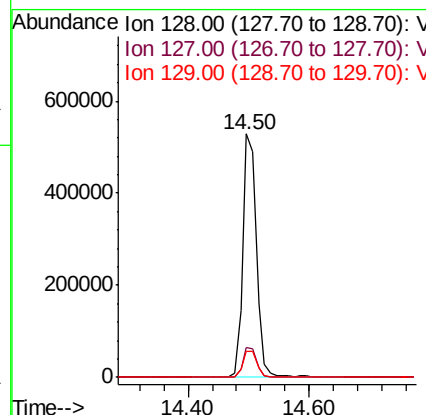
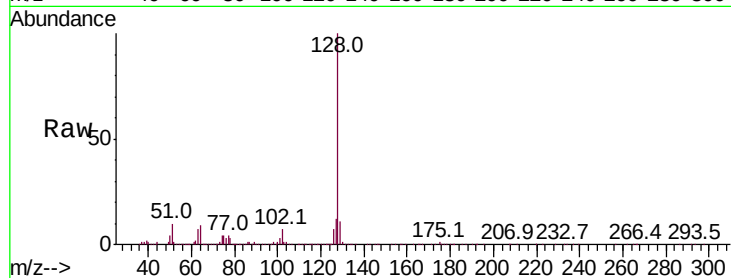
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	826474
Ion Ratio	Lower	Upper	
128	100		
127	12.3	9.7	14.5
129	10.8	9.4	14.2

Manual Integrations
APPROVED

MMDadoda
6/7/2019 4:03:52 PM



#96

1,2,3-Trichlorobenzene

Concen: 43.744 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VF062875.D

Acq: 6 Jun 2019 10:56

Tgt Ion:	180	Resp:	409740
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.6	145.9
145	30.8	15.7	47.0

