

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051219\
 Data File : VF062495.D
 Acq On : 12 May 2019 10:45
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/13/2019 12:25:48 PM

Quant Time: May 13 05:06:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	344064	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.78	114	398348	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.92	117	366192	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	231506	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	167484	51.51	ug/l	0.02
Spiked Amount	50.000		Recovery	=	103.02%	
35) Dibromofluoromethane	4.32	113	183544	57.84	ug/l	0.02
Spiked Amount	50.000		Recovery	=	115.68%	
50) Toluene-d8	7.72	98	446079	58.07	ug/l	0.02
Spiked Amount	50.000		Recovery	=	116.14%	
62) 4-Bromofluorobenzene	11.50	95	194445	56.10	ug/l	0.01
Spiked Amount	50.000		Recovery	=	112.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	170768	42.885	ug/l	96
3) Chloromethane	1.15	50	109465	41.681	ug/l	99
4) Vinyl Chloride	1.20	62	113640	43.382	ug/l	96
5) Bromomethane	1.39	94	99486	50.350	ug/l	100
6) Chloroethane	1.45	64	60657	46.057	ug/l	97
7) Trichlorofluoromethane	1.55	101	272883	50.208	ug/l	95
8) Diethyl Ether	1.71	74	36382	44.240	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.92	101	153643	49.515	ug/l	98
10) Methyl Iodide	1.99	142	254527	49.776	ug/l	99
11) Tert butyl alcohol	2.70	59	35915	195.436	ug/l #	94
12) 1,1-Dichloroethene	1.88	96	120151	45.548	ug/l	96
13) Acrolein	2.11	56	29646	262.002	ug/l	96
14) Allyl chloride	2.20	41	175913	75.492	ug/l	98
15) Acrylonitrile	3.10	53	84719	243.372	ug/l	94
16) Acetone	2.35	43	195553	297.300	ug/l	99
17) Carbon Disulfide	1.92	76	251972	43.808	ug/l	98
18) Methyl Acetate	2.47	43	52114	43.007	ug/l	97
19) Methyl tert-butyl Ether	2.55	73	263324	48.358	ug/l	96
20) Methylene Chloride	2.29	84	111061m	46.668	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	119244	47.446	ug/l	93
22) Diisopropyl ether	2.94	45	348160	47.805	ug/l	97
23) Vinyl Acetate	3.35	43	752086	231.703	ug/l	99
24) 1,1-Dichloroethane	3.02	63	226277	51.408	ug/l	99
25) 2-Butanone	4.53	43	202781	245.389	ug/l	97
26) 2,2-Dichloropropane	3.78	77	148152	60.272	ug/l	100
27) cis-1,2-Dichloroethene	3.65	96	154491	49.176	ug/l	99
28) Bromochloromethane	3.92	49	100208	50.199	ug/l	92
29) Tetrahydrofuran	4.28	42	71410	188.023	ug/l	99
30) Chloroform	4.07	83	292647	49.213	ug/l	94
31) Cyclohexane	3.89	56	155449	44.246	ug/l	94
32) 1,1,1-Trichloroethane	4.30	97	261529	51.315	ug/l	98
36) 1,1-Dichloropropene	4.48	75	186644	54.543	ug/l	99
37) Ethyl Acetate	4.31	43	69392	52.320	ug/l #	97
38) Carbon Tetrachloride	4.20	117	225578m	64.352	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	166512	48.519	ug/l	99
40) Benzene	4.84	78	428373	56.848	ug/l	95
41) Methacrylonitrile	4.94	41	36266	44.199	ug/l #	89
42) 1,2-Dichloroethane	5.14	62	173812	55.151	ug/l	99
43) Isopropyl Acetate	7.12	43	71436	45.896	ug/l #	98
44) Trichloroethene	5.69	130	148291	53.572	ug/l	99
45) 1,2-Dichloropropane	6.42	63	96580	56.586	ug/l	99
46) Dibromomethane	6.28	93	77119	54.496	ug/l	99
47) Bromodichloromethane	6.56	83	208518	58.936	ug/l	94
48) Methyl methacrylate	6.89	41	52582	47.804	ug/l	97
49) 1,4-Dioxane	6.89	88	11235	993.041	ug/l	88
51) 4-Methyl-2-Pentanone	8.41	43	307584	260.795	ug/l	100
52) Toluene	7.79	92	265348	57.081	ug/l	98
53) t-1,3-Dichloropropene	8.43	75	141449	52.859	ug/l	100
54) cis-1,3-Dichloropropene	7.47	75	175952	56.498	ug/l	96
55) 1,1,2-Trichloroethane	8.65	97	79335	53.761	ug/l	97
56) Ethyl methacrylate	8.77	69	75936	48.747	ug/l	98
57) 1,3-Dichloropropane	9.01	76	118105	52.984	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.46	63	88902	189.827	ug/l	99
59) 2-Hexanone	9.63	43	234452	287.431	ug/l	96
60) Dibromochloromethane	8.87	129	136988	56.758	ug/l	99
61) 1,2-Dibromoethane	9.14	107	89347	51.514	ug/l	98
64) Tetrachloroethene	8.32	164	138935	46.734	ug/l	95
65) Chlorobenzene	9.94	112	322104	53.162	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.07	131	164926	53.959	ug/l	98
67) Ethyl Benzene	10.04	91	543135	51.193	ug/l	98
68) m/p-Xylenes	10.27	106	413506	105.633	ug/l	99
69) o-Xylene	10.83	106	237565	56.162	ug/l	98
70) Styrene	10.90	104	331926	52.358	ug/l	98
71) Bromoform	10.89	173	86939	51.919	ug/l #	99
73) Isopropylbenzene	11.22	105	706181	51.454	ug/l	99
74) N-amyl acetate	11.45	43	134406	45.616	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	108152	50.328	ug/l	100
76) 1,2,3-Trichloropropane	11.87	75	77964	47.554	ug/l #	100
77) Bromobenzene	11.59	156	182259	50.600	ug/l	98
78) n-propylbenzene	11.68	91	736657	50.415	ug/l	99
79) 2-Chlorotoluene	11.81	91	458198	50.429	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	591932	49.207	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	26864m	43.592	ug/l	
82) 4-Chlorotoluene	11.98	91	455708	50.781	ug/l	100
83) tert-Butylbenzene	12.20	119	627255	49.615	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	572918	48.667	ug/l	98
85) sec-Butylbenzene	12.38	105	779907	50.682	ug/l	98
86) p-Isopropyltoluene	12.53	119	711877	49.792	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	327451	49.776	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	318499	50.163	ug/l	99
89) n-Butylbenzene	12.90	91	651482	51.218	ug/l	97
90) Hexachloroethane	12.98	117	174008	48.745	ug/l	98
91) 1,2-Dichlorobenzene	13.01	146	320729	50.371	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	22369	46.464	ug/l	94

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Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	284608	49.833	ug/l	99
94) Hexachlorobutadiene	14.23	225	214507	50.392	ug/l	96
95) Naphthalene	14.50	128	427512	49.790	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	272934	49.328	ug/l	98

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

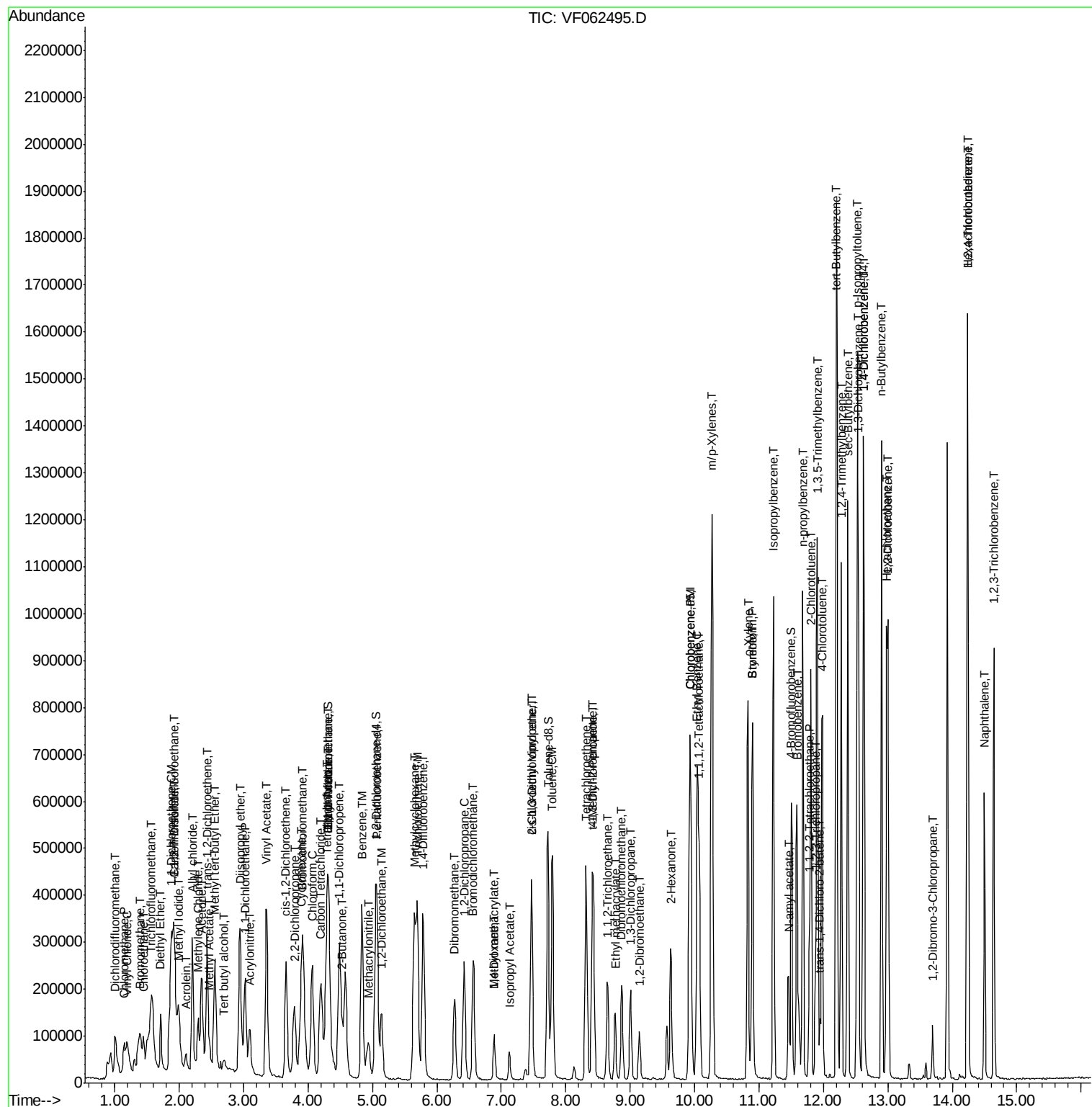
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051219\
 Data File : VF062495.D
 Acq On : 12 May 2019 10:45
 Operator : FY/SY
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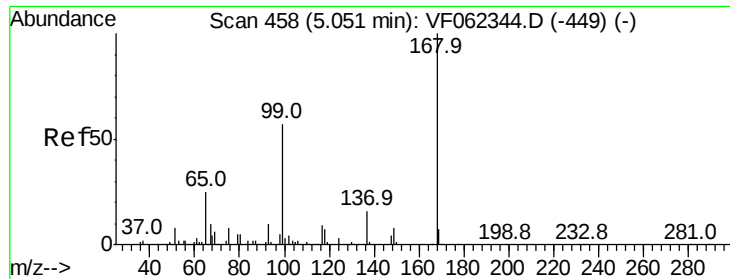
Instrument :
 MSVOA_F
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#1

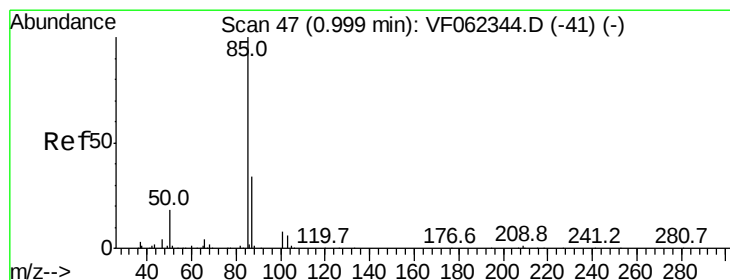
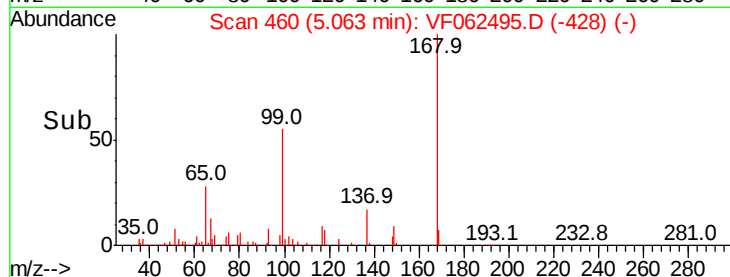
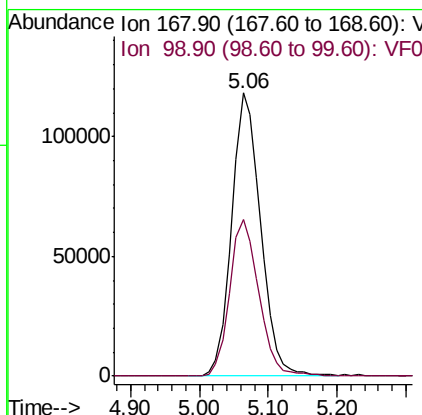
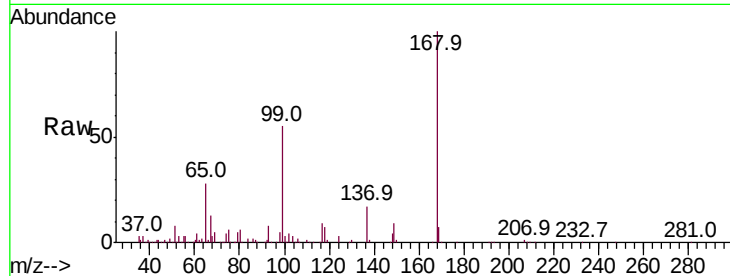
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.06 min Scan# 460
 Delta R.T. 0.01 min
 Lab File: VF062495.D
 Acq: 12 May 2019 10:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	55.3	45.9	68.9

Manual Integrations
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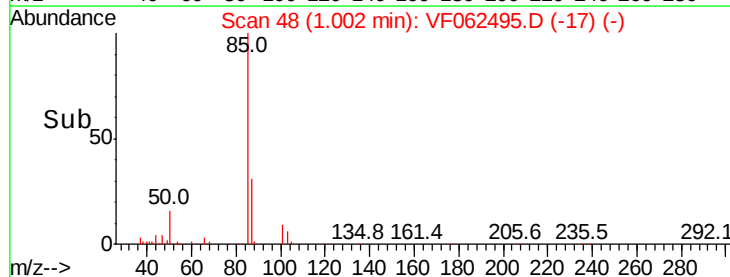
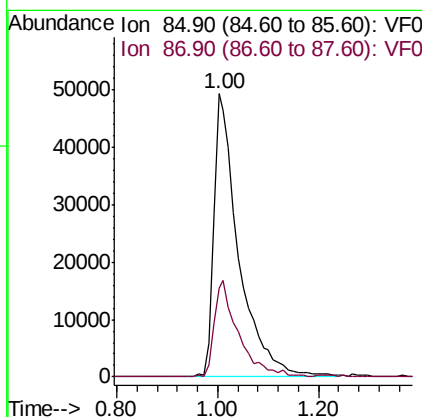
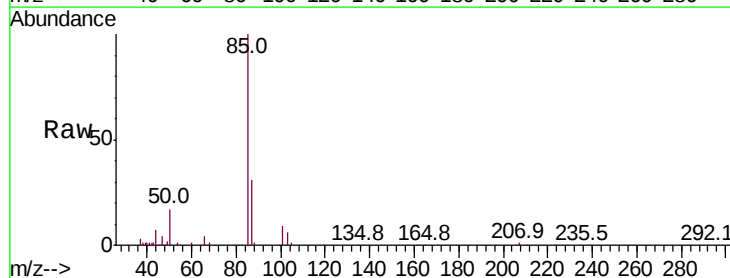
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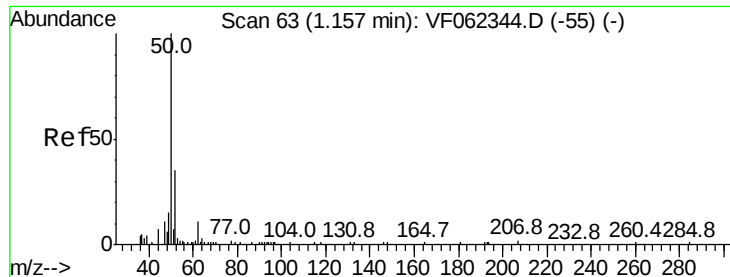


#2

Dichlorodifluoromethane
 Concen: 42.885 ug/l
 RT: 1.00 min Scan# 48
 Delta R.T. 0.00 min
 Lab File: VF062495.D
 Acq: 12 May 2019 10:45

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.2	16.8	50.4





#3

Chloromethane

Concen: 41.681 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 109465

Ion Ratio Lower Upper

50 100

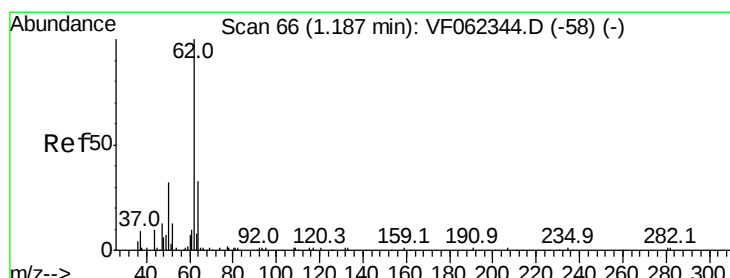
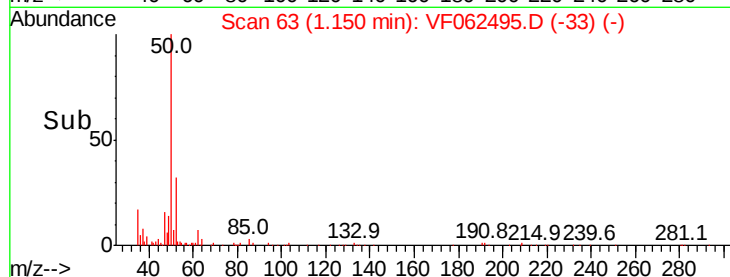
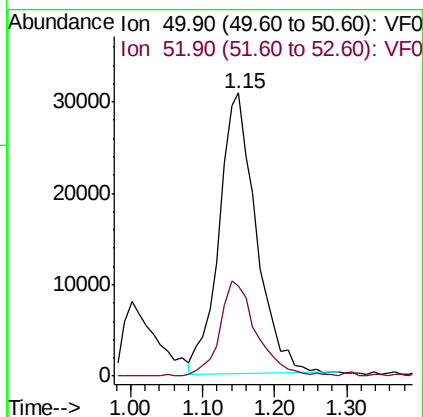
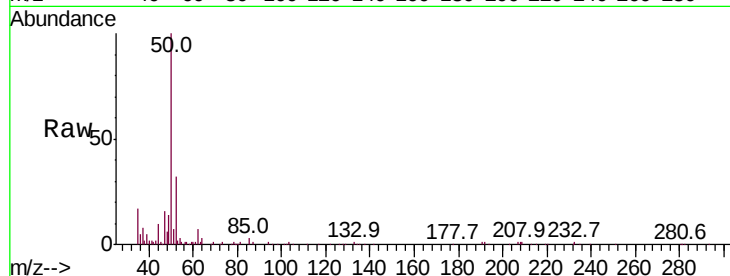
52 32.2 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 43.382 ug/l

RT: 1.20 min Scan# 68

Delta R.T. 0.01 min

Lab File: VF062495.D

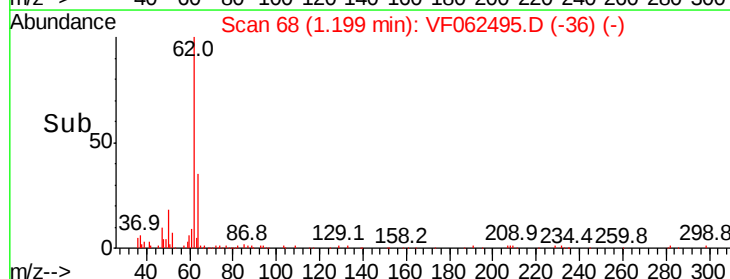
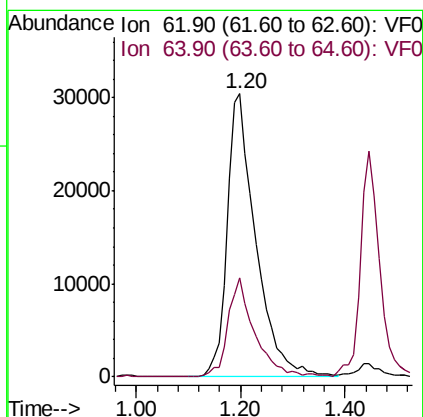
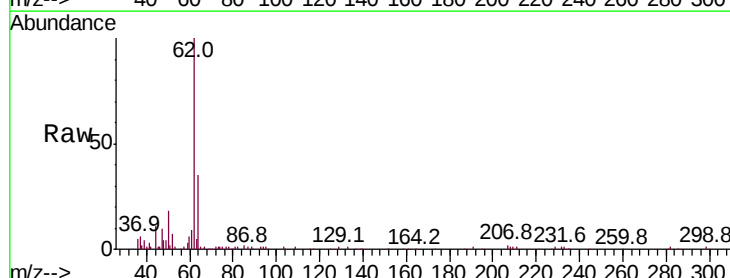
Acq: 12 May 2019 10:45

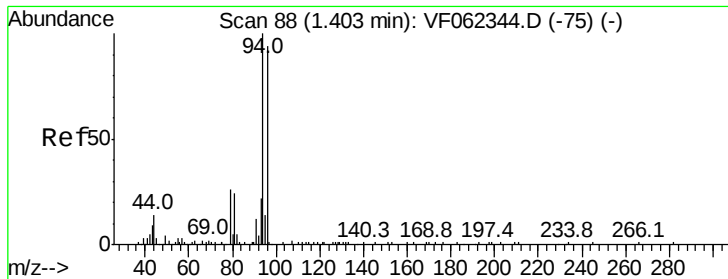
Tgt Ion: 62 Resp: 113640

Ion Ratio Lower Upper

62 100

64 34.9 26.1 39.1





#5

Bromomethane

Concen: 50.350 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.02 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 99486

Ion Ratio Lower Upper

94 100

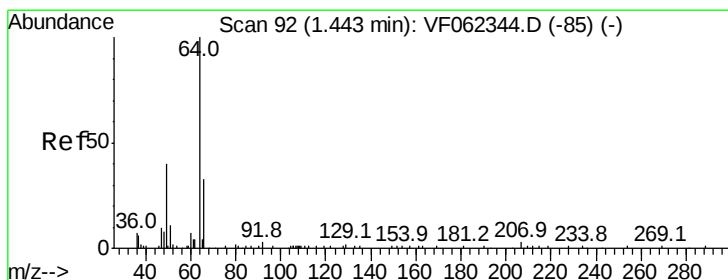
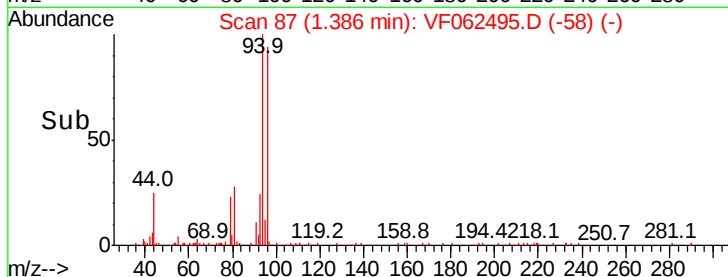
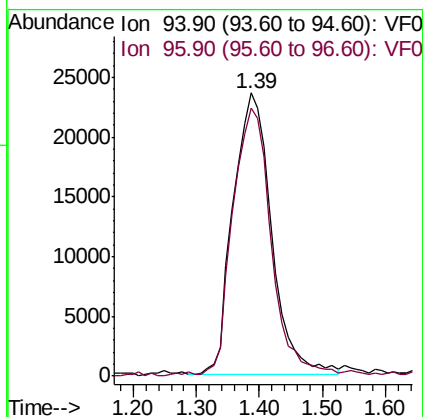
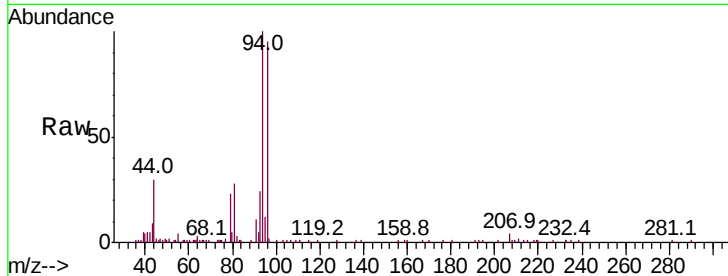
96 94.3 75.4 113.2

Manual Integrations

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#6

Chloroethane

Concen: 46.057 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.00 min

Lab File: VF062495.D

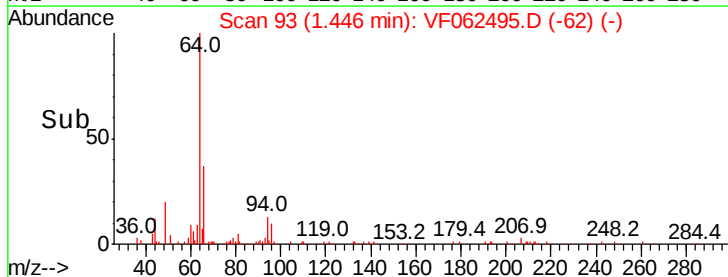
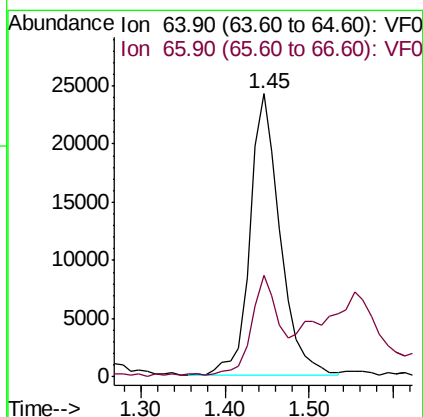
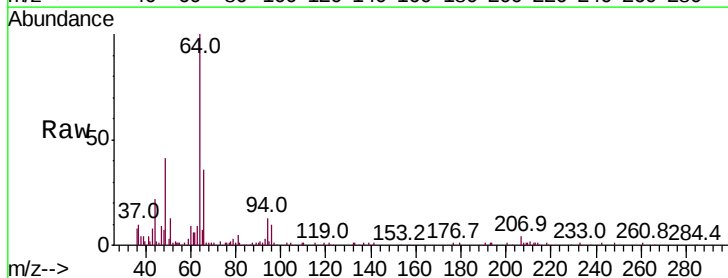
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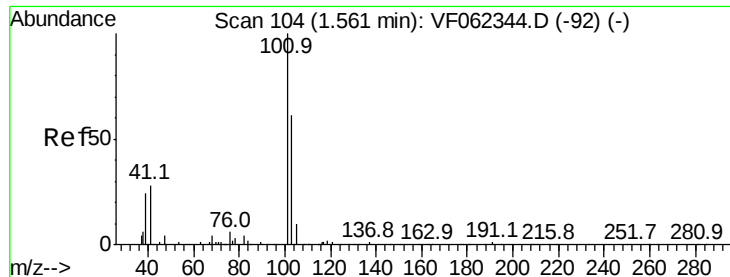
Tgt Ion: 64 Resp: 60657

Ion Ratio Lower Upper

64 100

66 35.1 26.6 39.8





#7

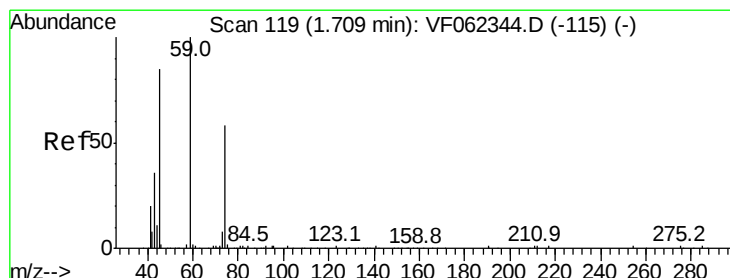
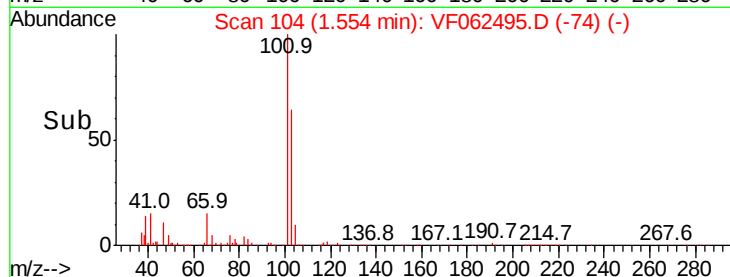
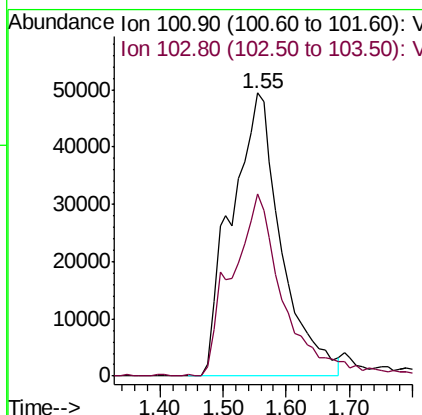
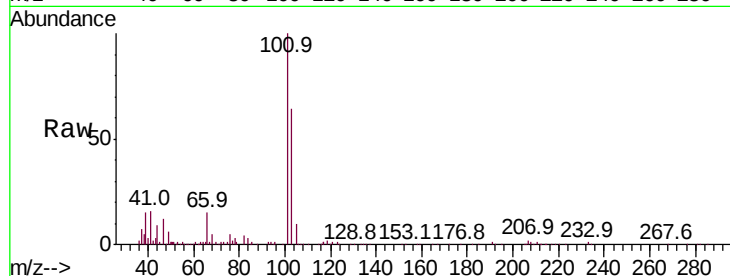
Trichlorofluoromethane
Concen: 50.208 ug/l
RT: 1.55 min Scan# 104
Delta R.T. -0.01 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 272883
Ion Ratio Lower Upper
101 100
103 64.0 48.5 72.7

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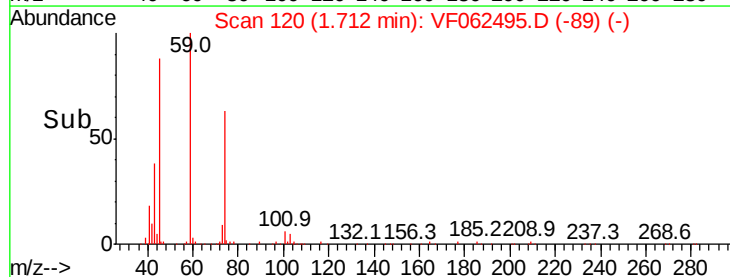
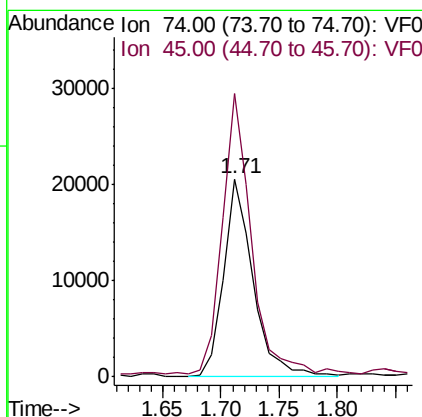
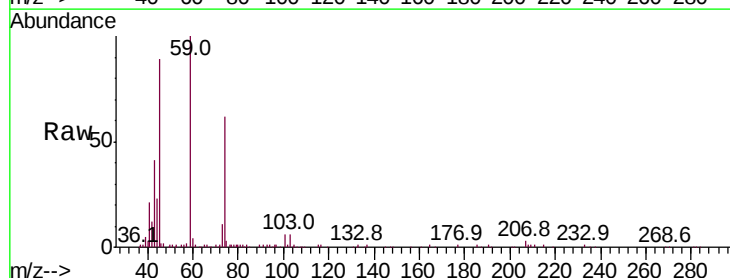
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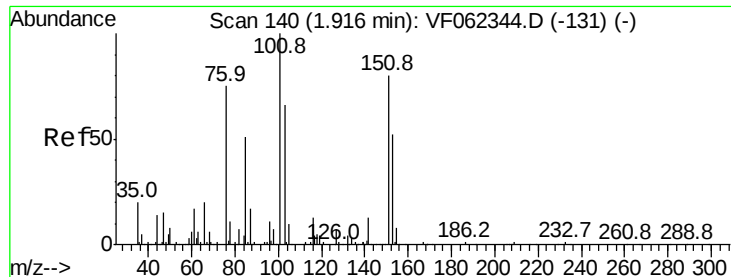


#8

Diethyl Ether
Concen: 44.240 ug/l
RT: 1.71 min Scan# 120
Delta R.T. 0.00 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Tgt Ion: 74 Resp: 36382
Ion Ratio Lower Upper
74 100
45 138.1 73.9 221.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.515 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.00 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

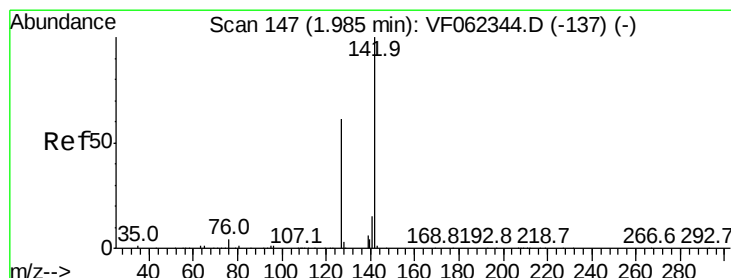
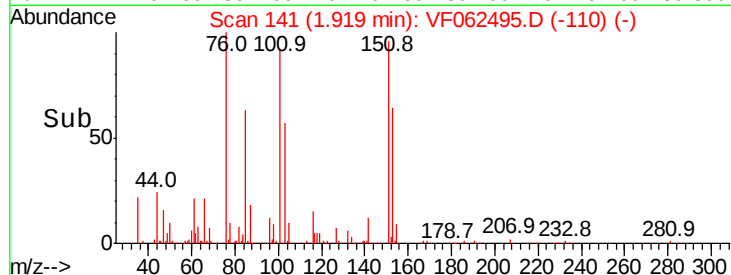
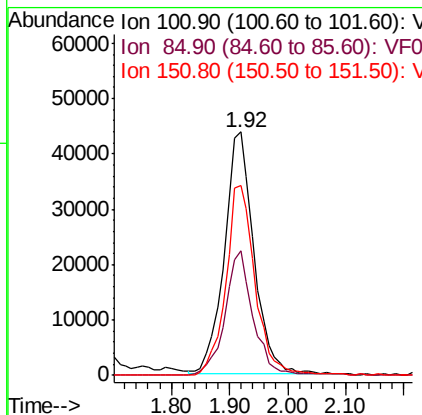
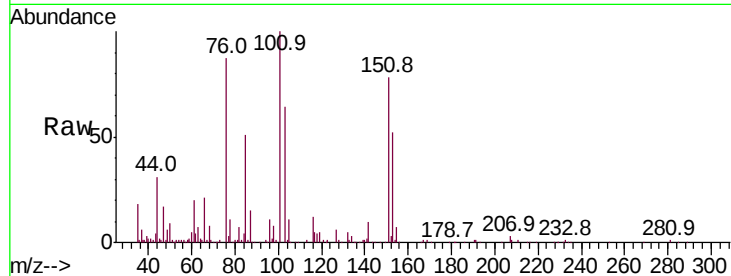
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	153643
Ion Ratio	Lower	Upper	
101	100		
85	48.9	39.5	59.3
151	77.8	59.9	89.9

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#10

Methyl Iodide

Concen: 49.776 ug/l

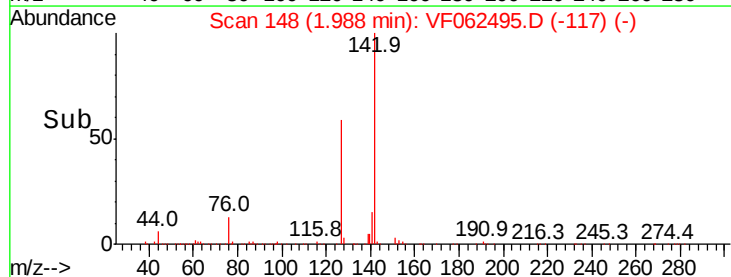
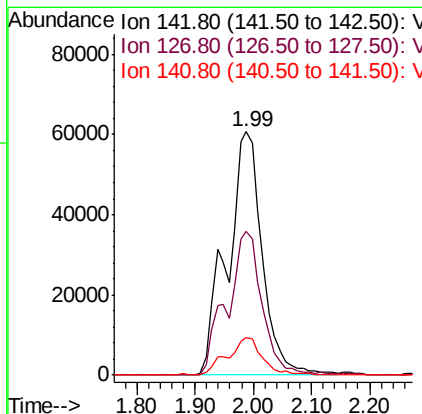
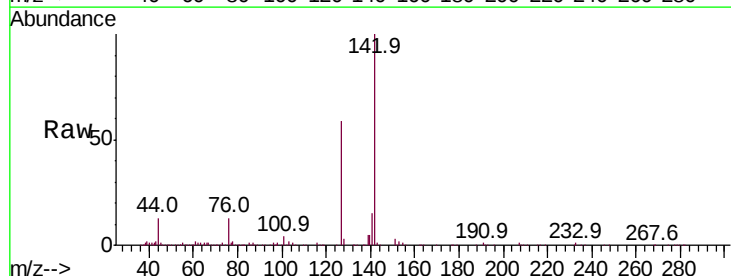
RT: 1.99 min Scan# 148

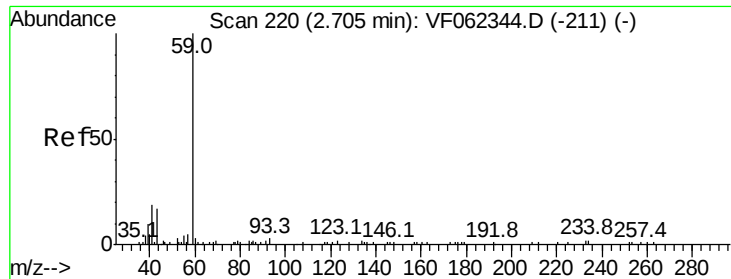
Delta R.T. 0.00 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Tgt Ion:	142	Resp:	254527
Ion Ratio	Lower	Upper	
142	100		
127	59.2	48.4	72.6
141	15.6	12.2	18.4





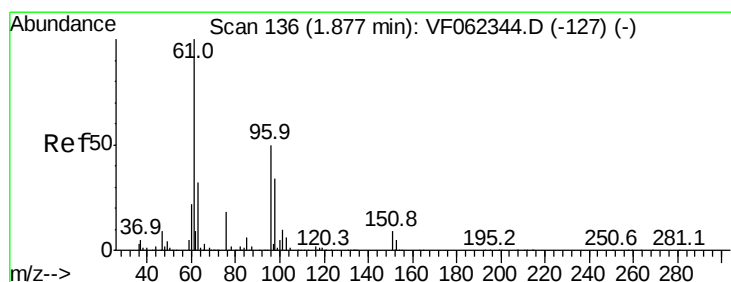
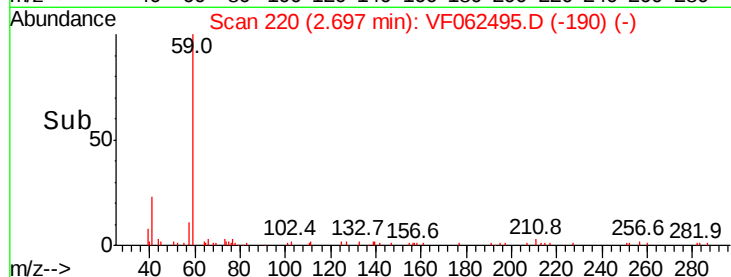
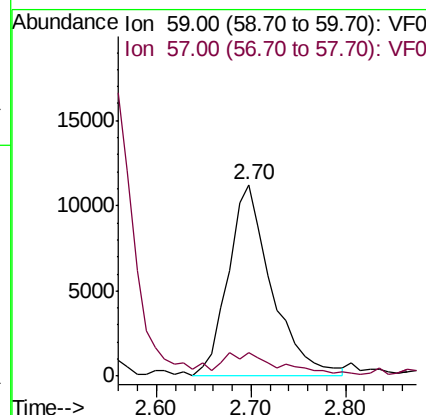
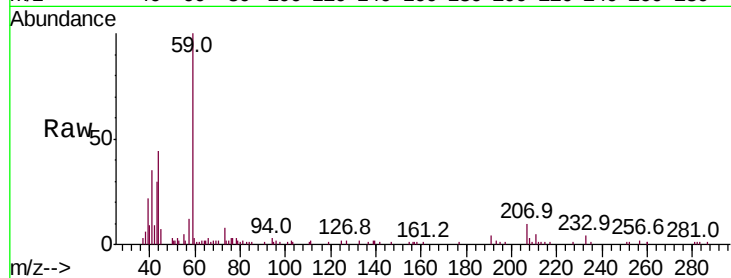
#11
Tert butyl alcohol
Concen: 195.436 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.01 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 35915
Ion Ratio Lower Upper
59 100
57 14.0 9.3 13.9#

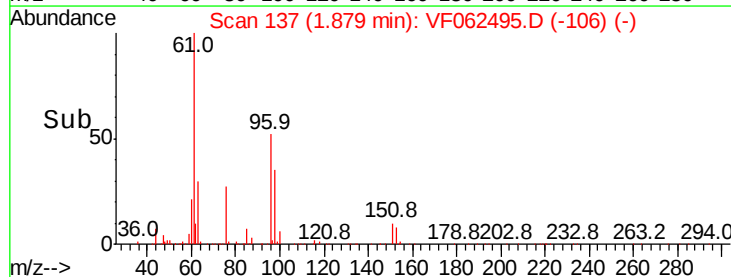
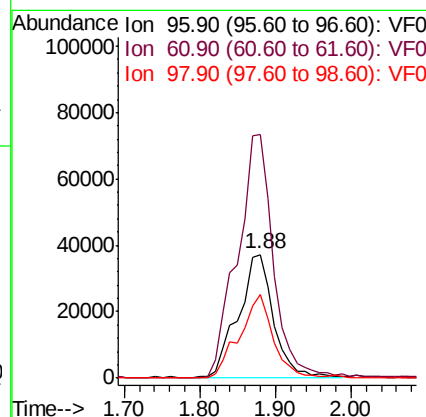
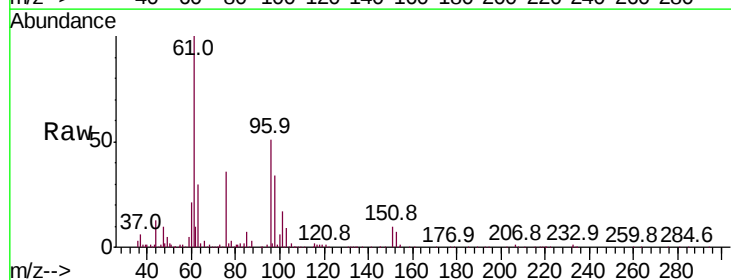
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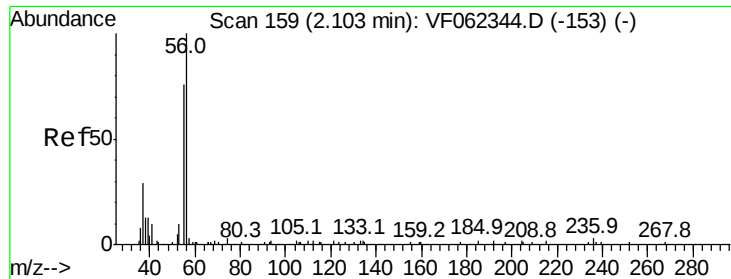
MMDadoda
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#12
1,1-Dichloroethene
Concen: 45.548 ug/l
RT: 1.88 min Scan# 137
Delta R.T. 0.00 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Tgt Ion: 96 Resp: 120151
Ion Ratio Lower Upper
96 100
61 197.8 163.2 244.8
98 67.4 55.2 82.8





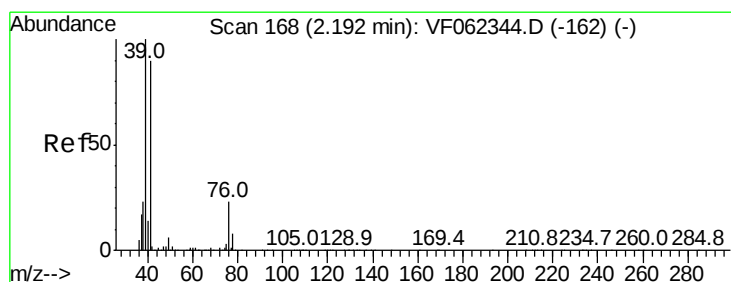
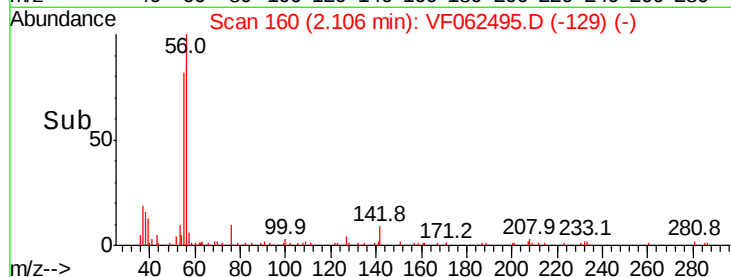
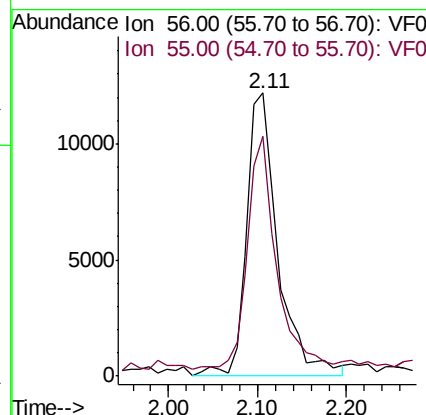
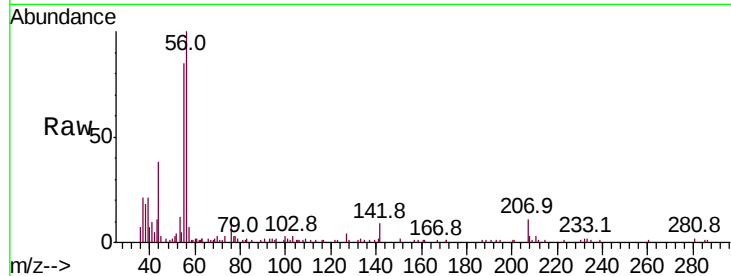
#13
Acrolein
Concen: 262.002 ug/l
RT: 2.11 min Scan# 160
Delta R.T. 0.00 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	29646
Ion Ratio	100	Lower	Upper
55	76.0	58.4	87.6

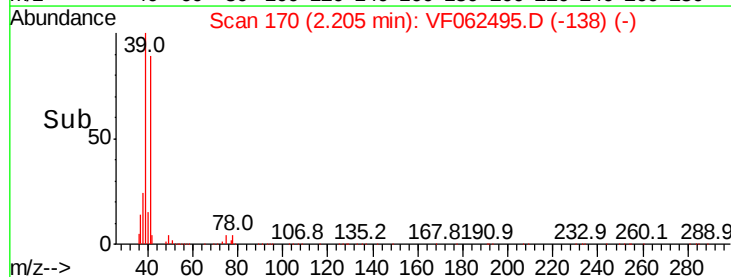
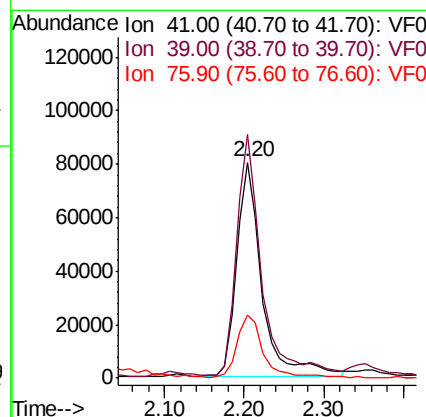
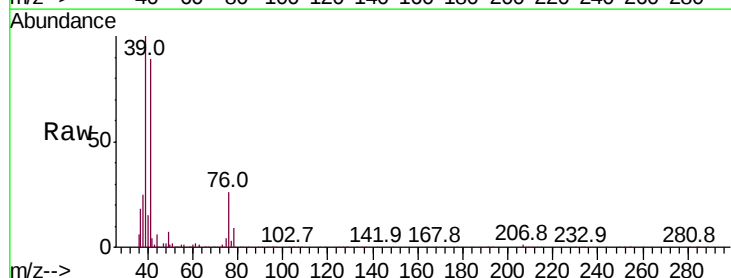
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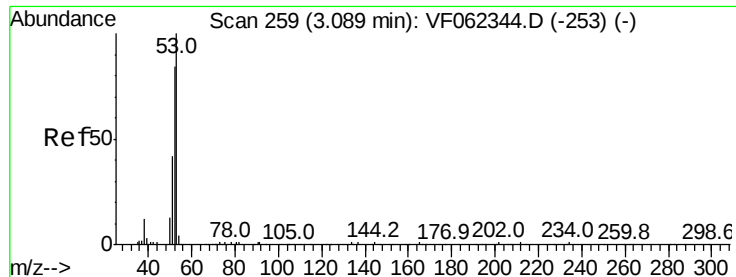
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#14
Allyl chloride
Concen: 75.492 ug/l
RT: 2.20 min Scan# 170
Delta R.T. 0.01 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Tgt Ion	41	Resp	175913
Ion Ratio	100	Lower	Upper
39	113.9	90.8	136.2
76	31.3	22.2	33.4





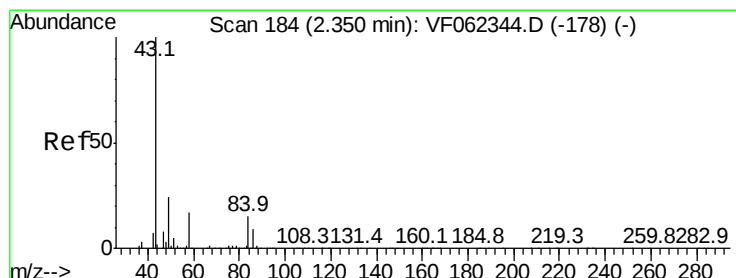
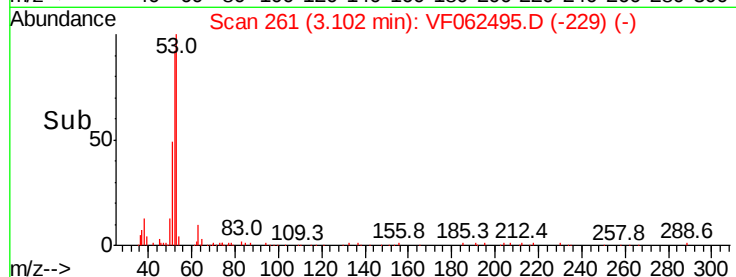
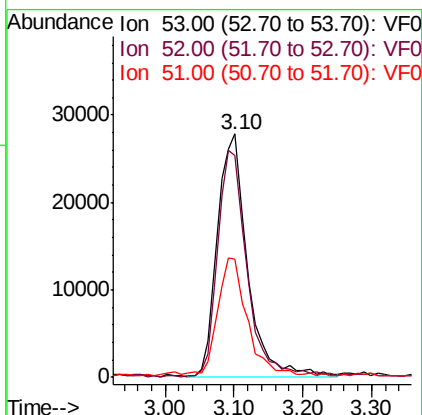
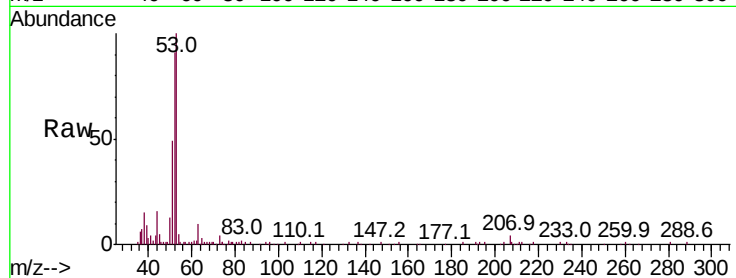
#15
 Acrylonitrile
 Concen: 243.372 ug/l
 RT: 3.10 min Scan# 261
 Delta R.T. 0.01 min
 Lab File: VF062495.D
 Acq: 12 May 2019 10:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	84719
Ion	Ratio	Lower	Upper
53	100		
52	90.2	77.2	115.8
51	47.9	40.6	61.0

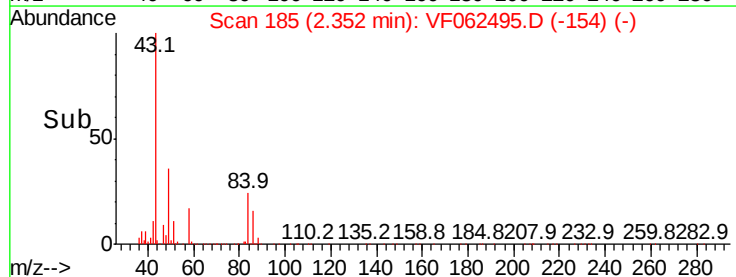
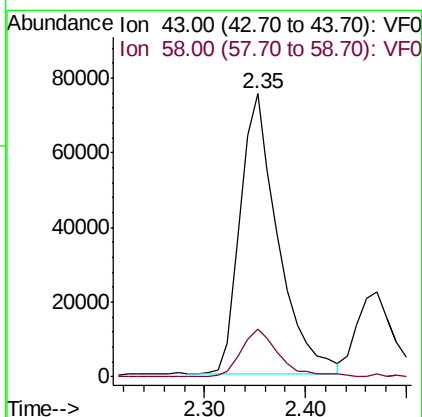
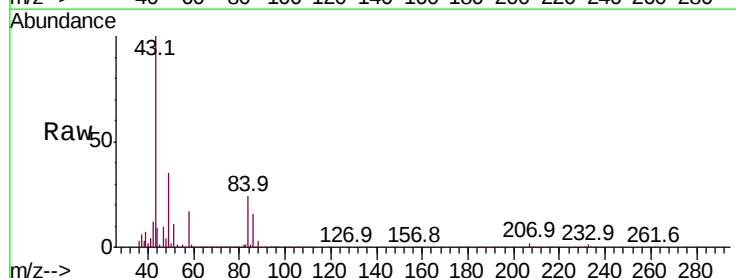
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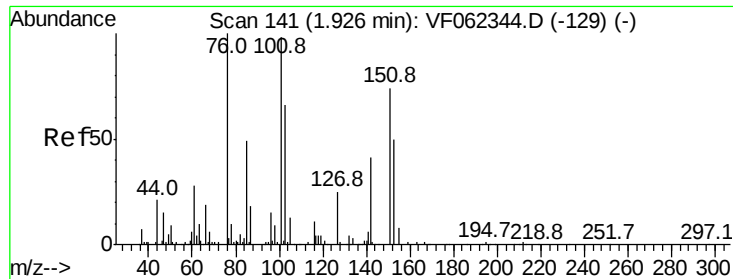
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#16
 Acetone
 Concen: 297.300 ug/l
 RT: 2.35 min Scan# 185
 Delta R.T. 0.00 min
 Lab File: VF062495.D
 Acq: 12 May 2019 10:45

Tgt Ion:	43	Resp:	195553
Ion	Ratio	Lower	Upper
43	100		
58	16.9	13.1	19.7





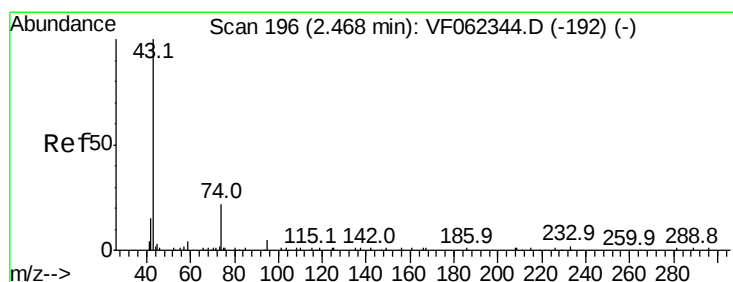
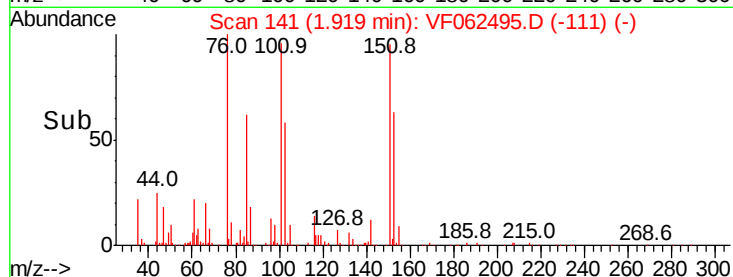
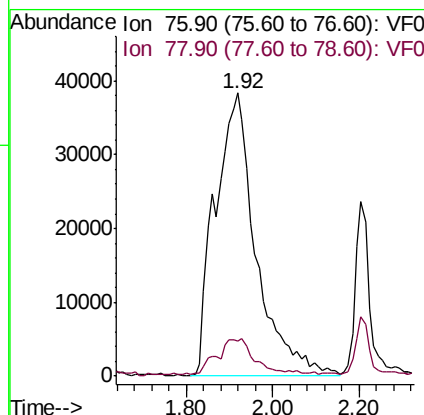
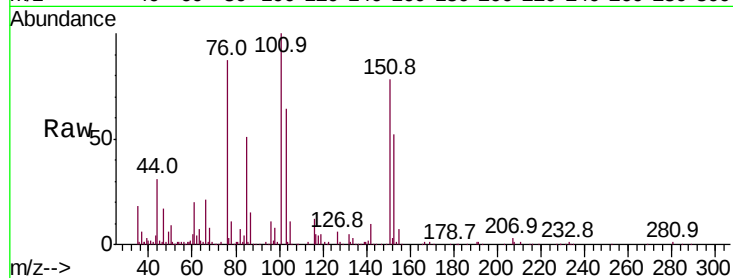
#17
Carbon Disulfide
Concen: 43.808 ug/l
RT: 1.92 min Scan# 141
Delta R.T. -0.01 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	11.9	9.0	13.4

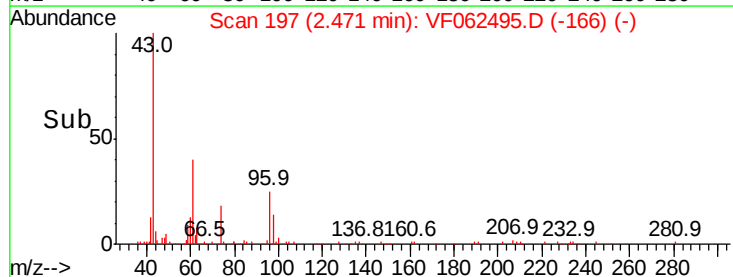
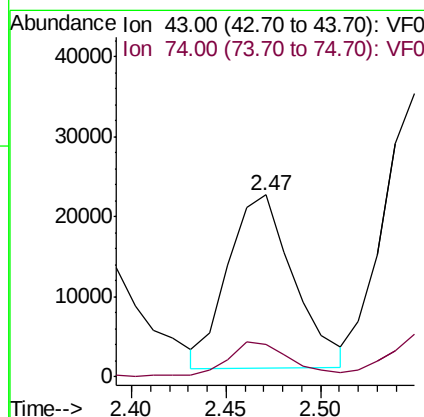
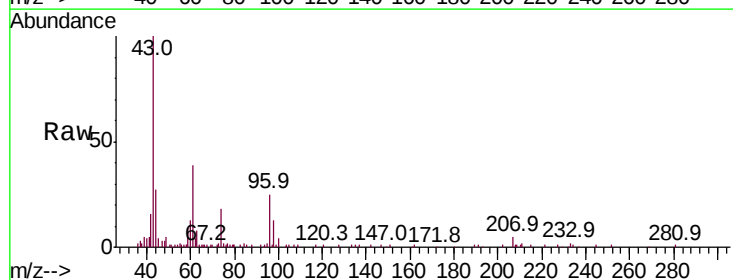
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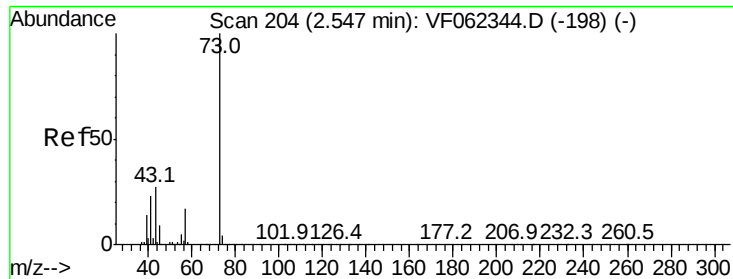
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#18
Methyl Acetate
Concen: 43.007 ug/l
RT: 2.47 min Scan# 197
Delta R.T. 0.00 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.8	15.0	22.4





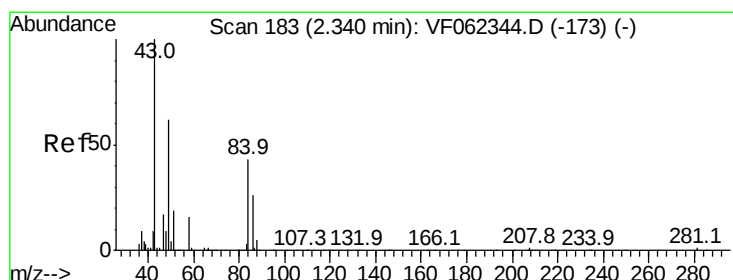
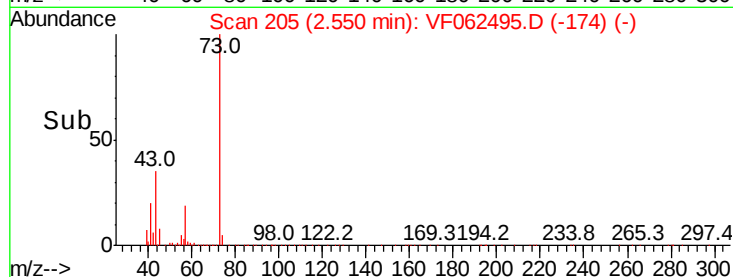
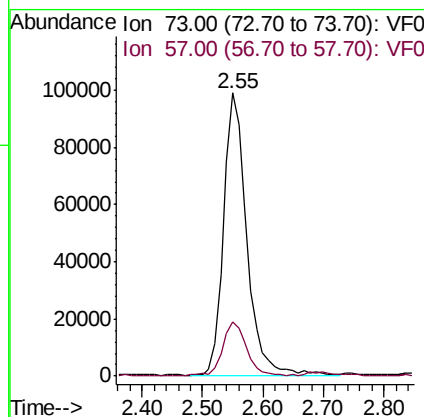
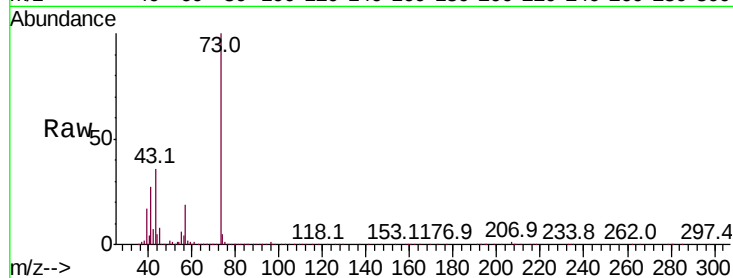
#19
Methyl tert-butyl Ether
Concen: 48.358 ug/l
RT: 2.55 min Scan# 205
Delta R.T. 0.00 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 263324
Ion Ratio Lower Upper
73 100
57 18.8 13.7 20.5

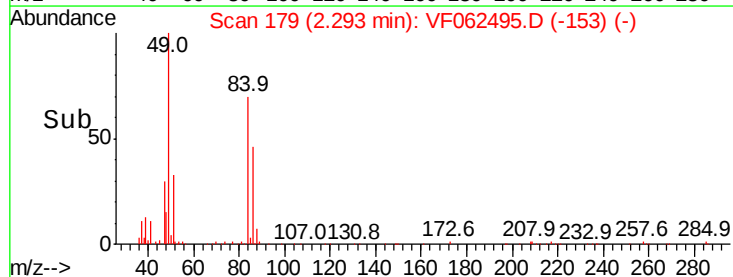
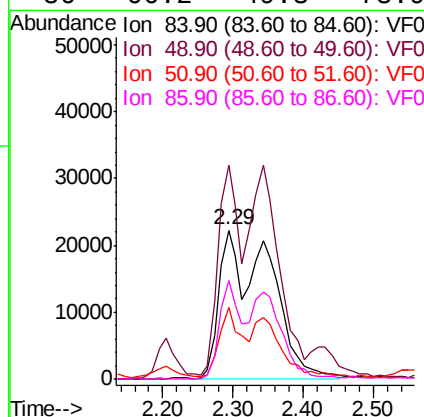
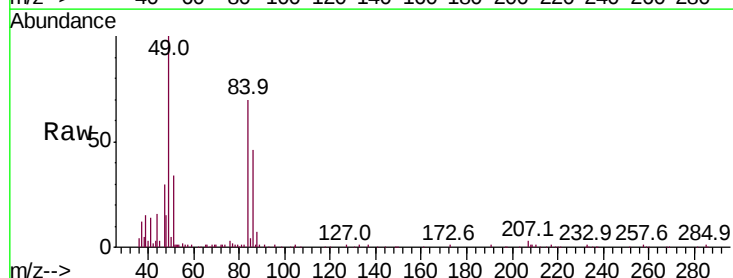
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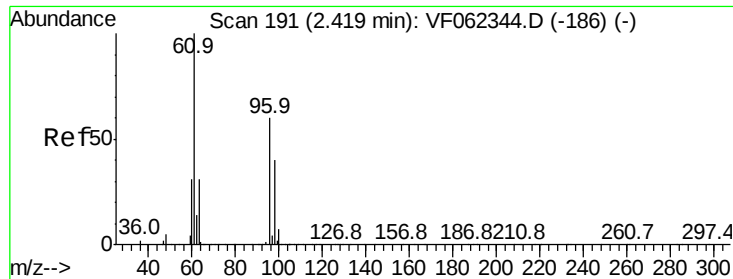
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#20
Methylene Chloride
Concen: 46.668 ug/l m
RT: 2.29 min Scan# 179
Delta R.T. -0.05 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Tgt Ion: 84 Resp: 111061
Ion Ratio Lower Upper
84 100
49 143.5 117.5 176.3
51 48.6 37.0 55.4
86 66.2 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 47.446 ug/l

RT: 2.43 min Scan# 193

Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

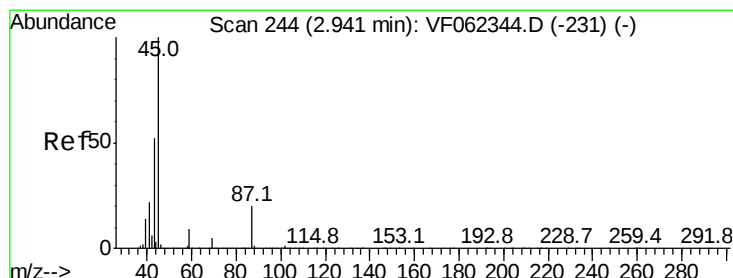
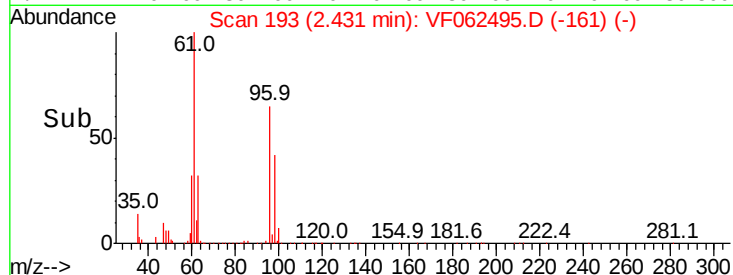
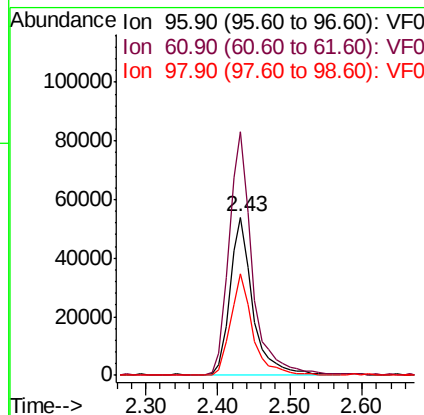
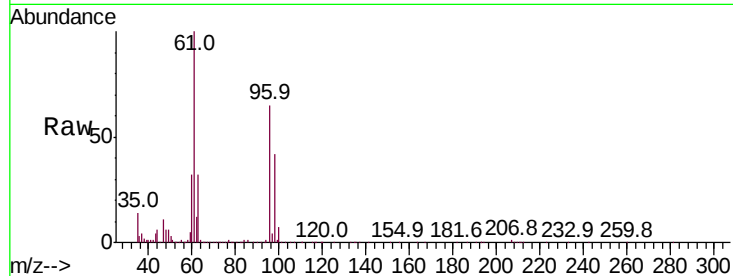
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	119244
Ion Ratio	Lower	Upper	
96	100		
61	154.0	133.2	199.8
98	64.5	53.1	79.7

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#22

Diisopropyl ether

Concen: 47.805 ug/l

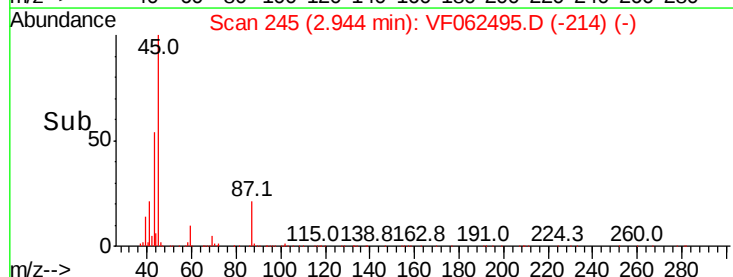
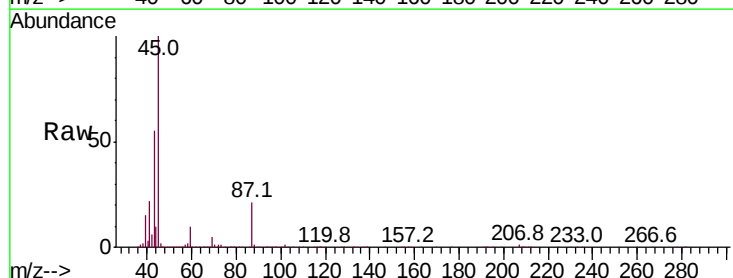
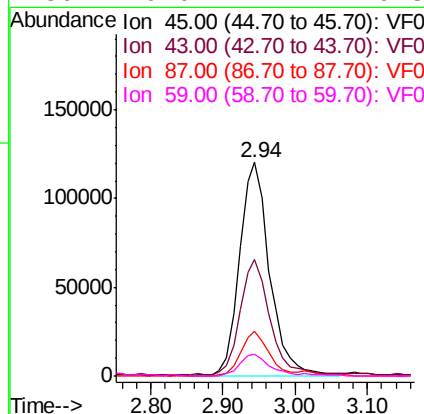
RT: 2.94 min Scan# 245

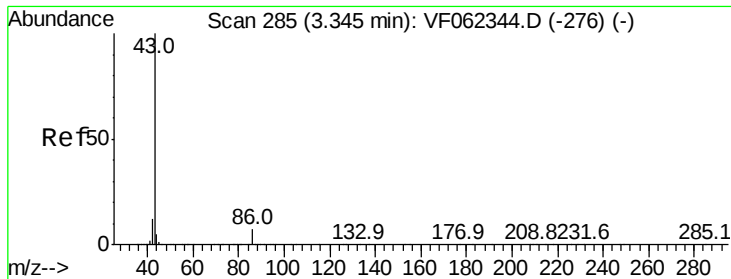
Delta R.T. 0.00 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Tgt Ion:	45	Resp:	348160
Ion Ratio	Lower	Upper	
45	100		
43	54.1	41.4	62.0
87	20.8	15.8	23.6
59	10.0	7.2	10.8





#23

Vinyl Acetate

Concen: 231.703 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.00 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 752086

Ion Ratio Lower Upper

43 100

86 7.4

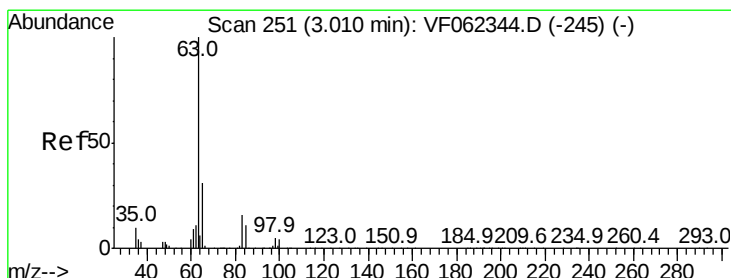
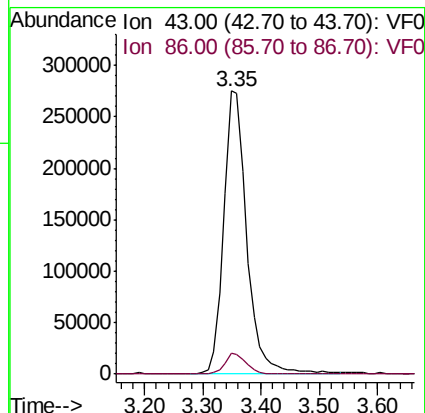
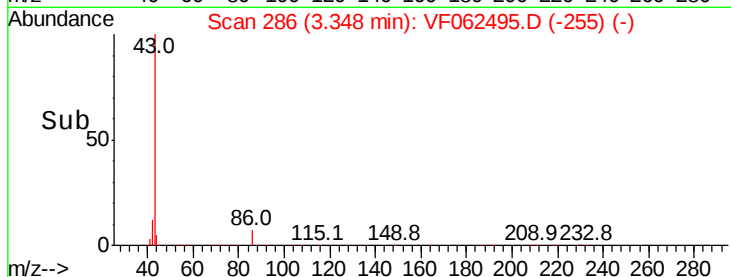
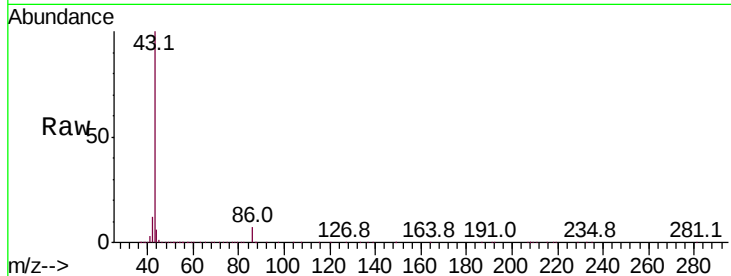
5.7

8.5

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#24

1,1-Dichloroethane

Concen: 51.408 ug/l

RT: 3.02 min Scan# 253

Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Tgt Ion: 63 Resp: 226277

Ion Ratio Lower Upper

63 100

98 5.0

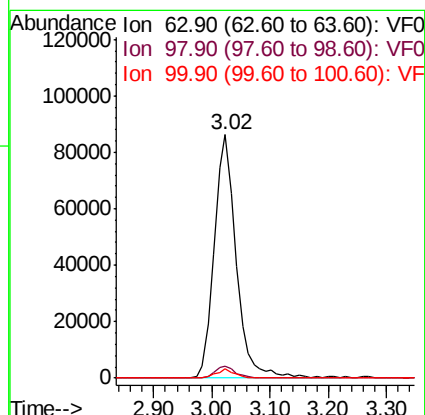
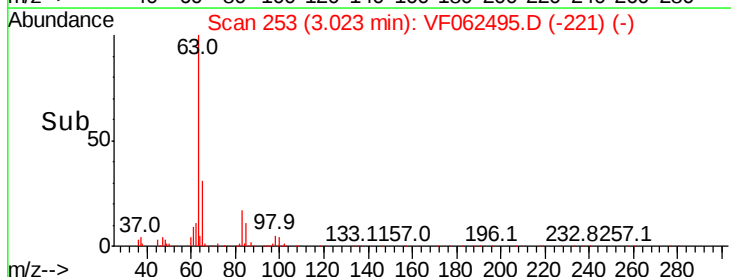
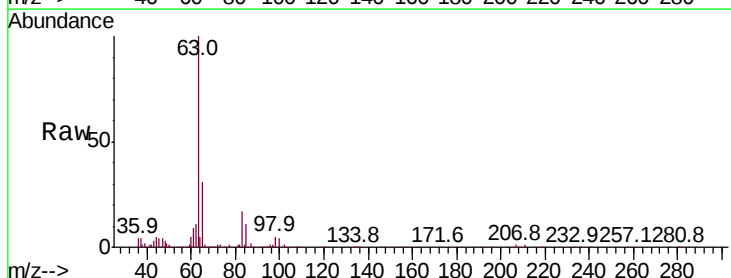
2.6

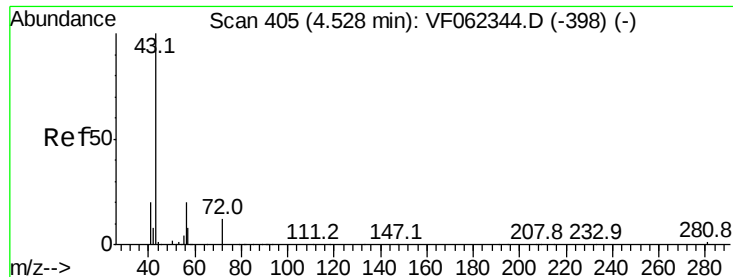
8.0

100 3.6

1.8

5.4





#25

2-Butanone

Concen: 245.389 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.00 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 202781

Ion Ratio Lower Upper

43 100

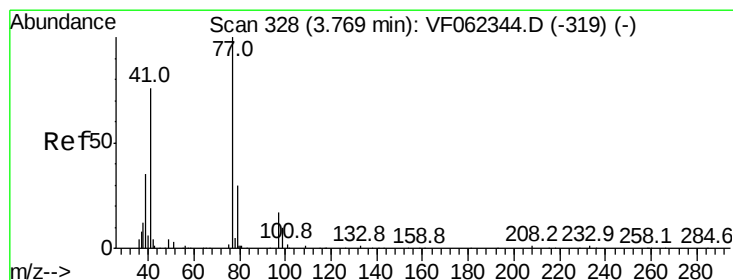
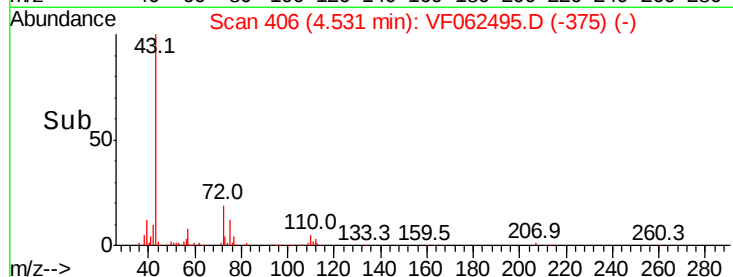
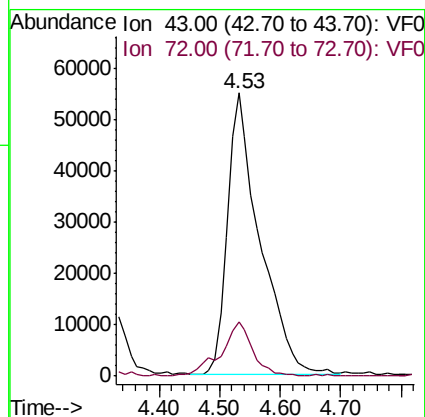
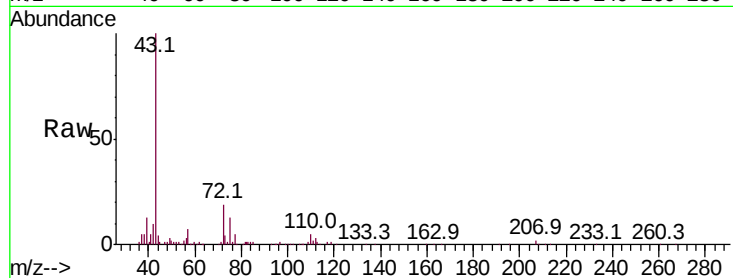
72 19.2 14.2 21.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 60.272 ug/l

RT: 3.78 min Scan# 330

Delta R.T. 0.01 min

Lab File: VF062495.D

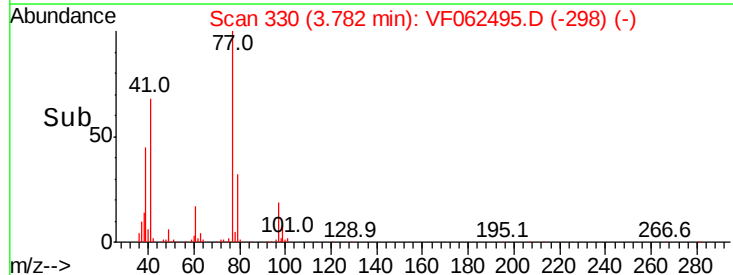
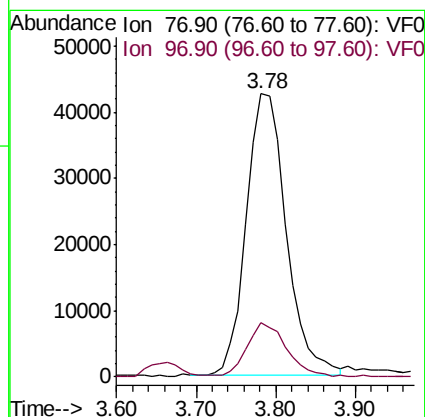
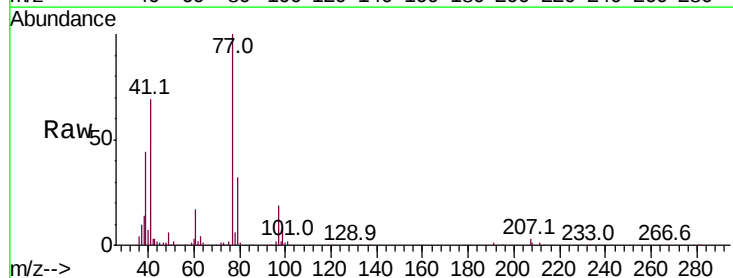
Acq: 12 May 2019 10:45

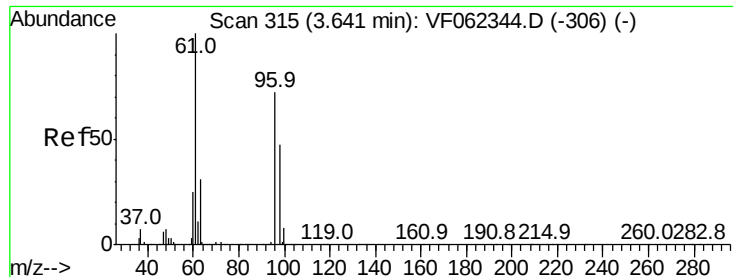
Tgt Ion: 77 Resp: 148152

Ion Ratio Lower Upper

77 100

97 19.2 9.5 28.5





#27

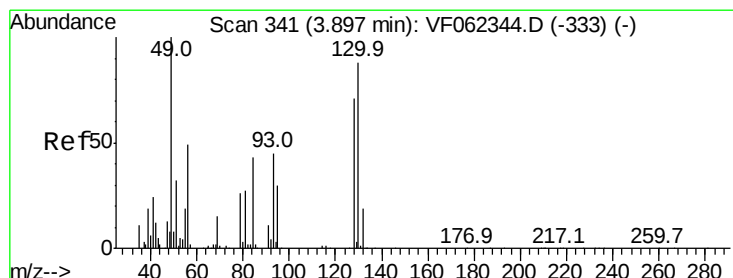
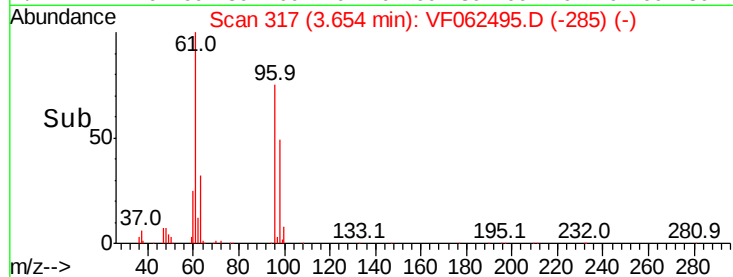
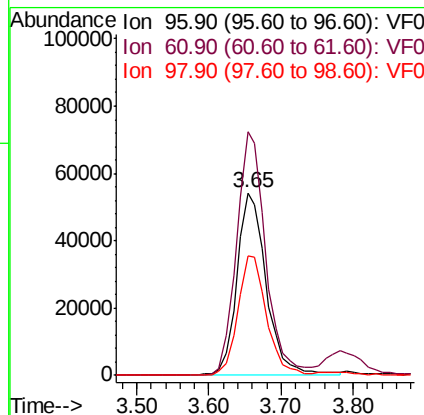
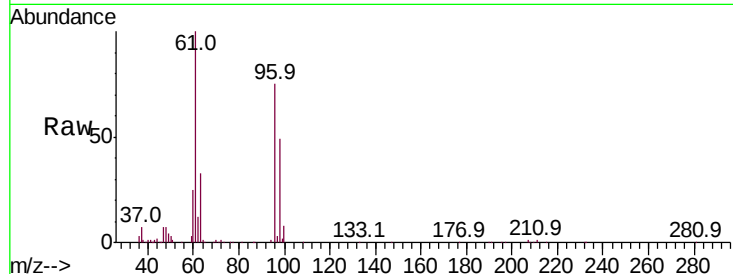
cis-1,2-Dichloroethene
Concen: 49.176 ug/l
RT: 3.65 min Scan# 317
Delta R.T. 0.01 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	154491		
61	131.1	0.0	263.0	
98	63.5	0.0	130.8	

Manual Integrations
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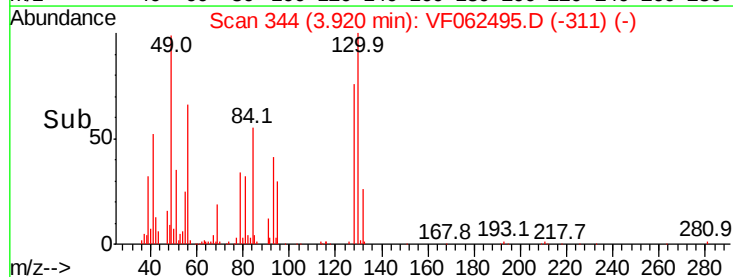
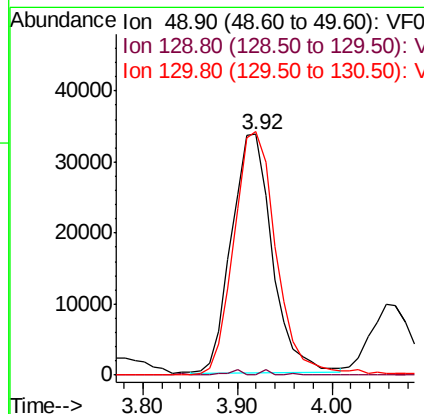
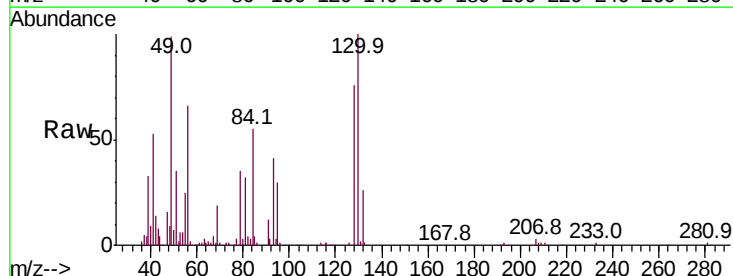
MMDadoda
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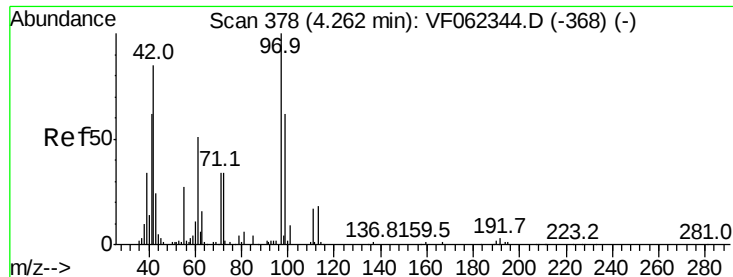


#28

Bromochloromethane
Concen: 50.199 ug/l
RT: 3.92 min Scan# 344
Delta R.T. 0.02 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	100208		
129	0.4	0.0	2.2	
130	106.9	79.4	119.0	





#29

Tetrahydrofuran

Concen: 188.023 ug/l

RT: 4.28 min Scan# 381

Delta R.T. 0.02 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

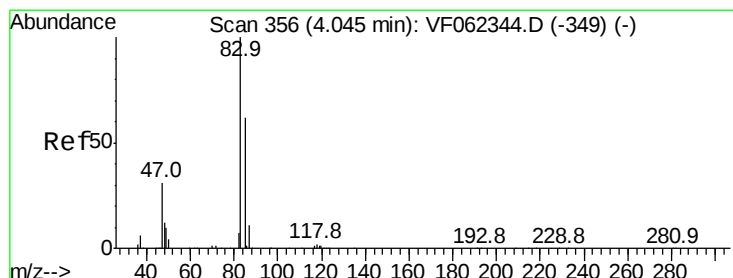
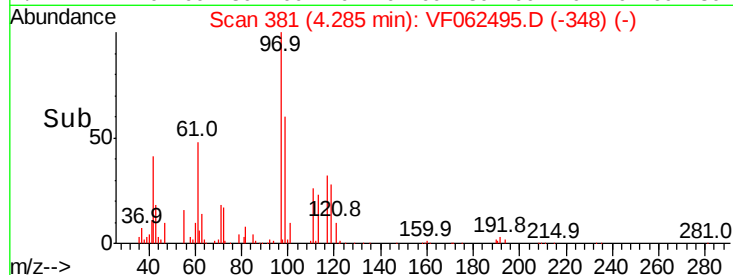
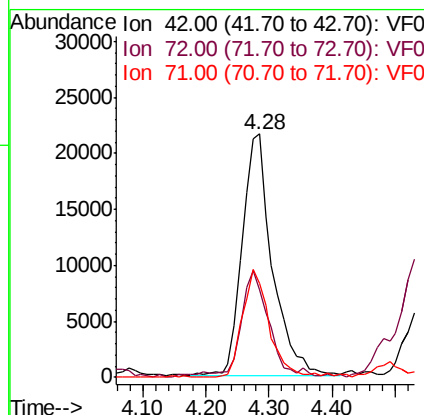
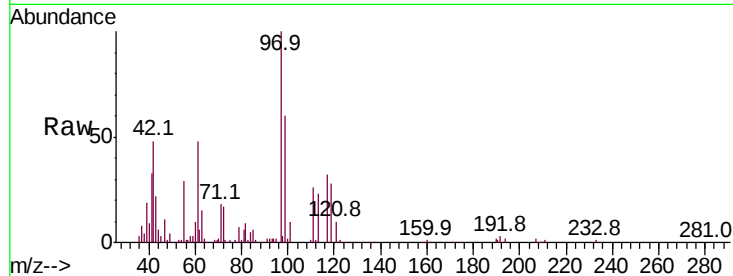
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	71410
Ion Ratio	Lower	Upper	
42	100		
72	37.9	31.4	47.0
71	39.3	31.7	47.5

Manual Integrations
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#30

Chloroform

Concen: 49.213 ug/l

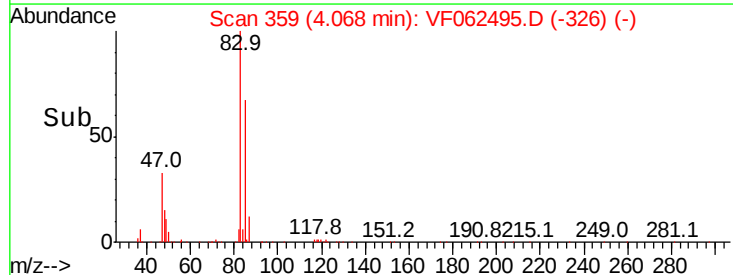
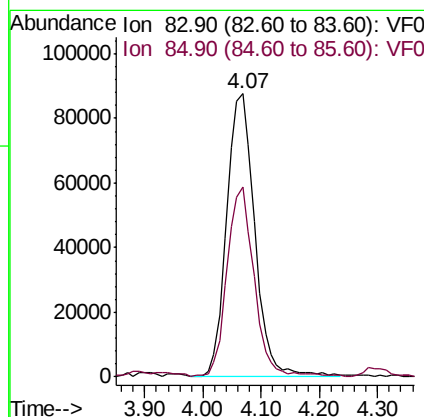
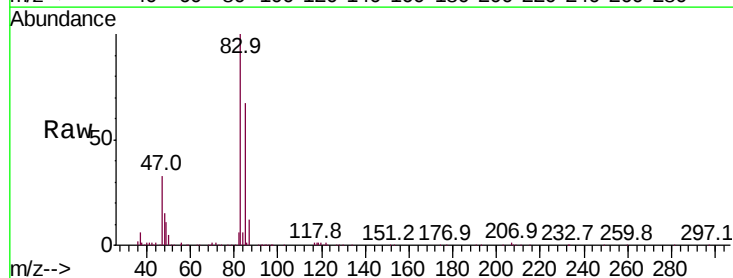
RT: 4.07 min Scan# 359

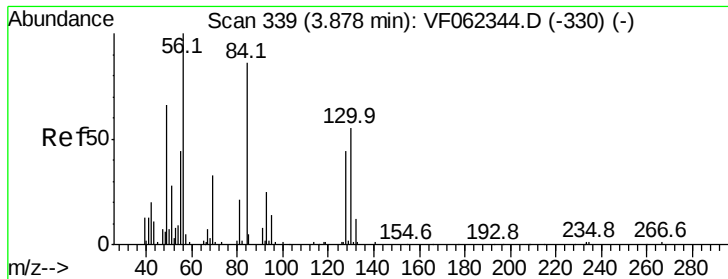
Delta R.T. 0.02 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Tgt Ion:	83	Resp:	292647
Ion Ratio	Lower	Upper	
83	100		
85	67.0	49.6	74.4





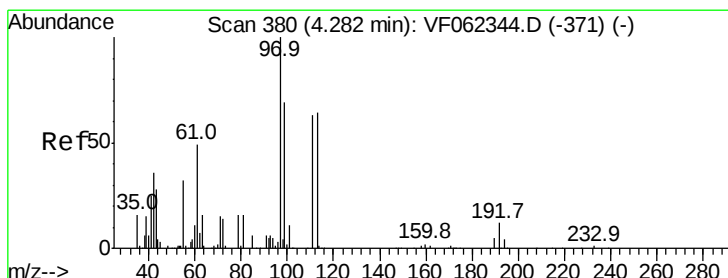
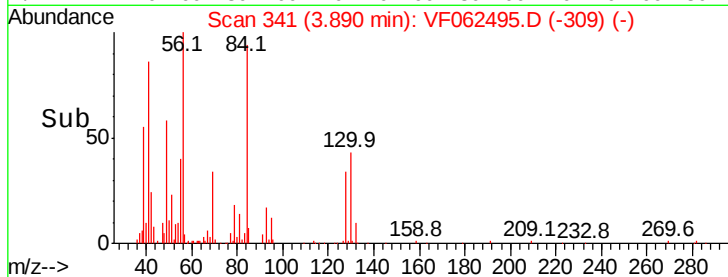
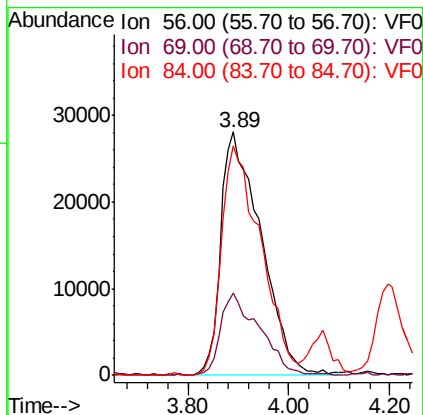
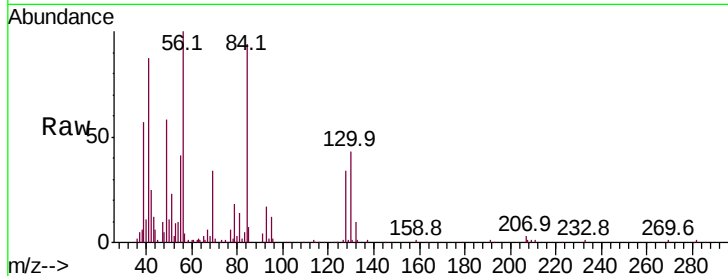
#31
Cyclohexane
Concen: 44.246 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.2	26.4	39.6
84	94.2	69.0	103.6

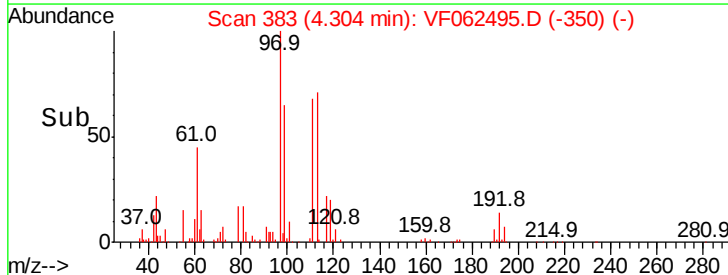
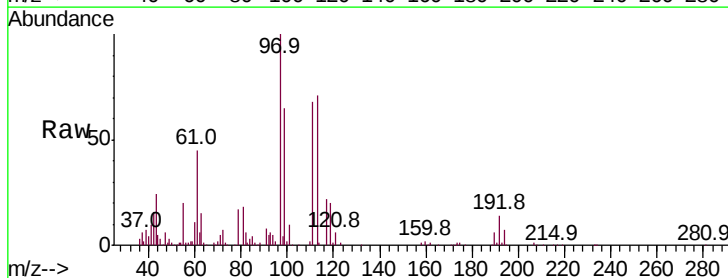
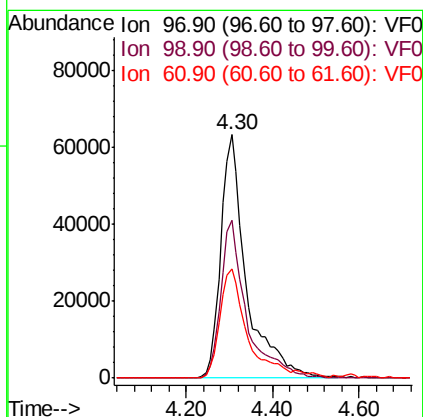
Manual Integrations
APPROVED

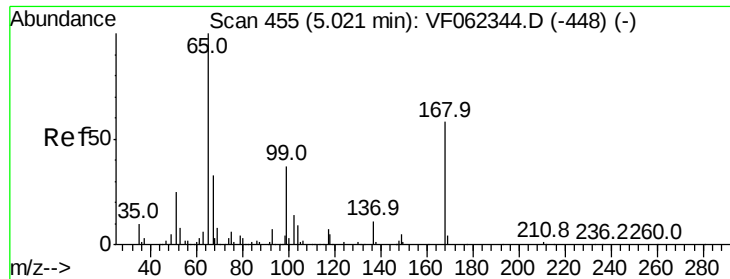
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#32
1,1,1-Trichloroethane
Concen: 51.315 ug/l
RT: 4.30 min Scan# 383
Delta R.T. 0.02 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	52.6	78.8
61	47.3	39.4	59.0





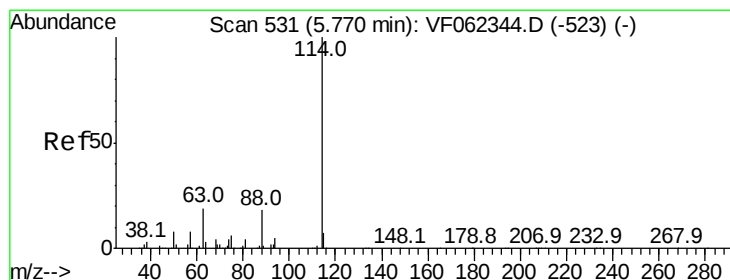
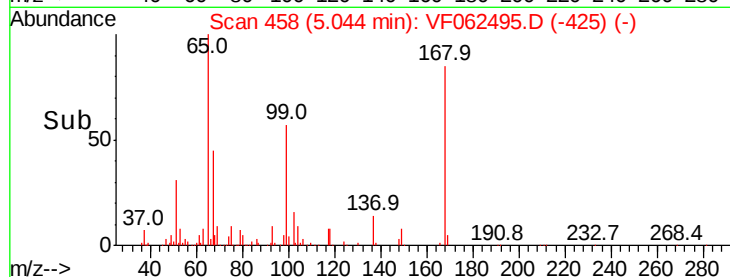
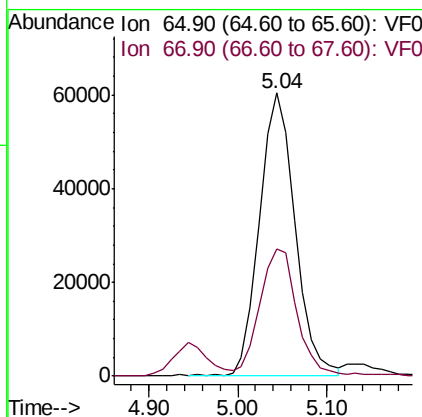
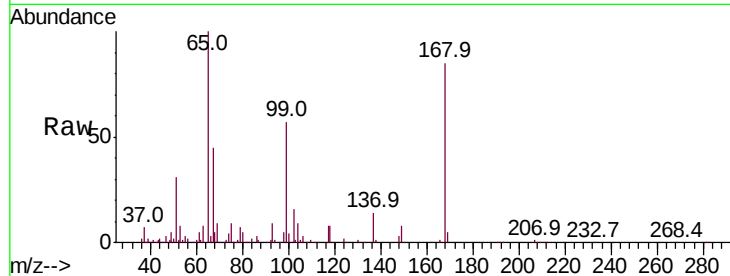
#33
 1,2-Dichloroethane-d4
 Concen: 51.509 ug/l
 RT: 5.04 min Scan# 458
 Delta R.T. 0.02 min
 Lab File: VF062495.D
 Acq: 12 May 2019 10:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	167484		
67	46.9	0.0	85.8	

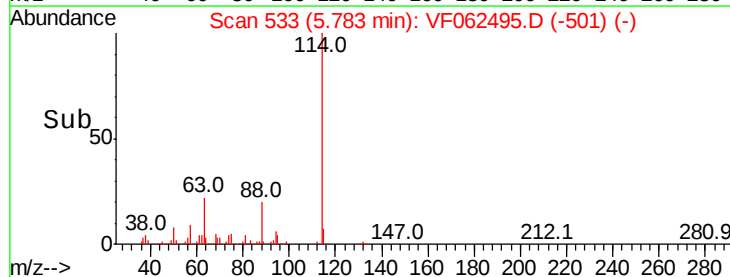
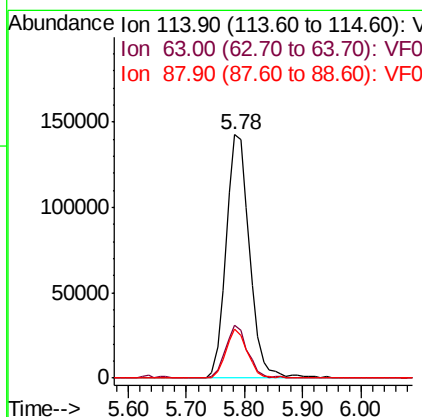
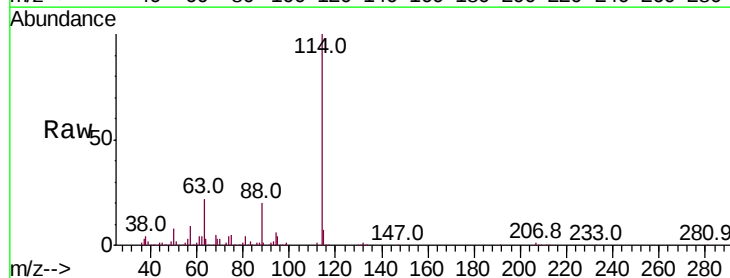
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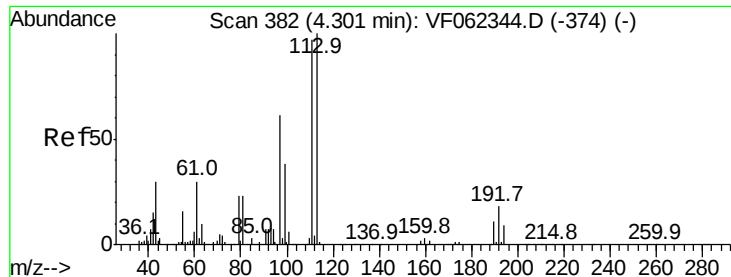
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VF062495.D
 Acq: 12 May 2019 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	398348		
63	21.6	0.0	37.4	
88	20.1	0.0	36.4	





#35

Dibromofluoromethane

Concen: 57.835 ug/l

RT: 4.32 min Scan# 385

Delta R.T. 0.02 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

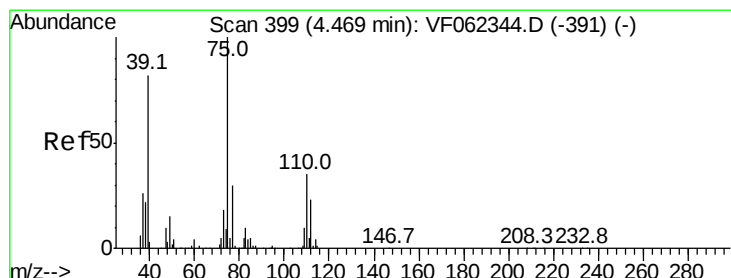
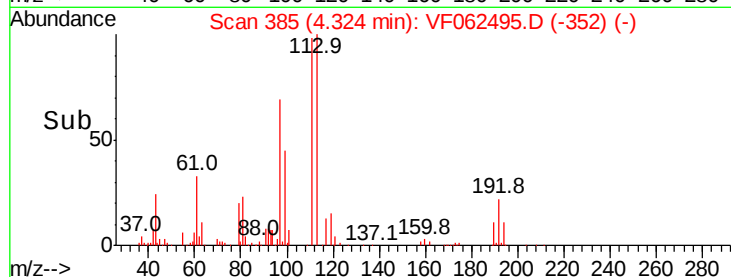
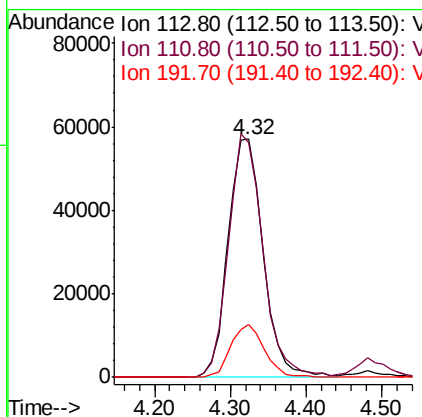
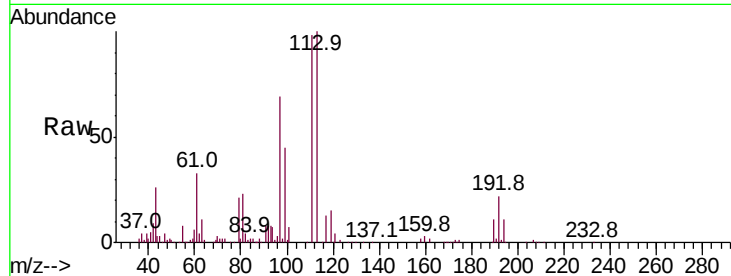
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	183544
Ion Ratio	Lower	Upper	
113	100		
111	99.5	79.4	119.0
192	21.4	16.0	24.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 54.543 ug/l

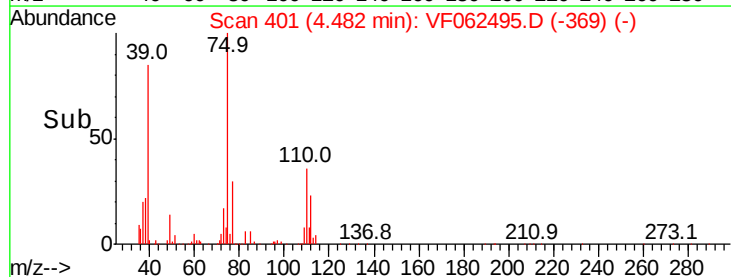
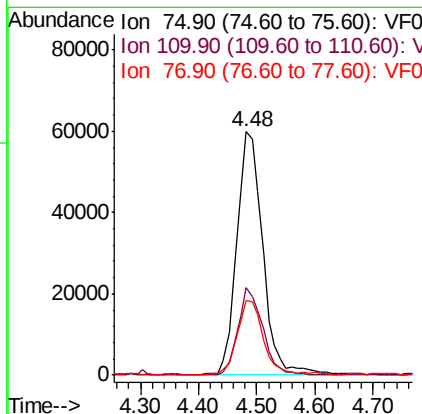
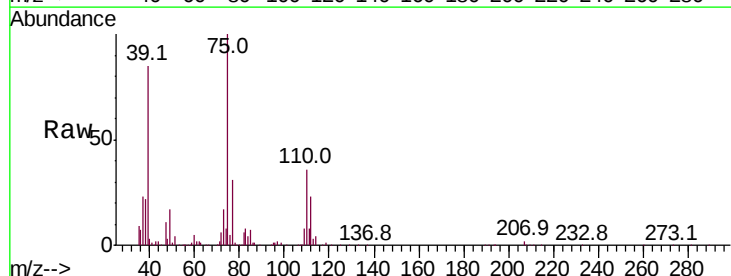
RT: 4.48 min Scan# 401

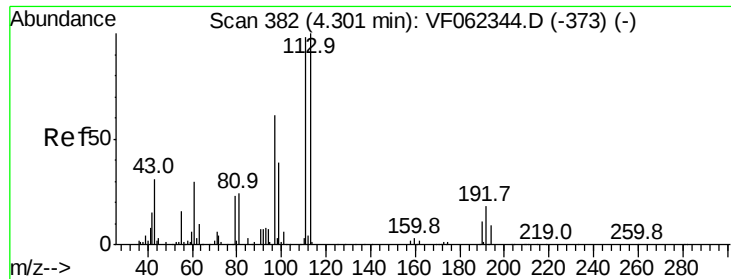
Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Tgt Ion:	75	Resp:	186644
Ion Ratio	Lower	Upper	
75	100		
110	34.2	17.2	51.5
77	30.7	25.2	37.8





#37

Ethyl Acetate

Concen: 52.320 ug/l

RT: 4.31 min Scan# 384

Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

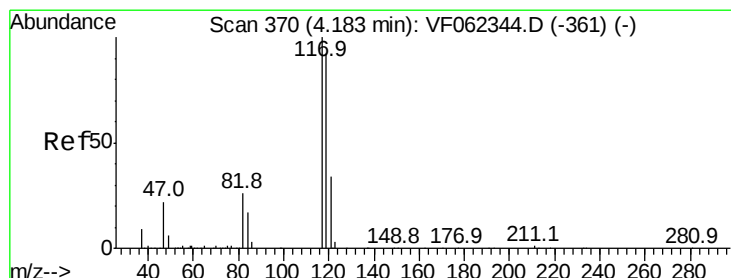
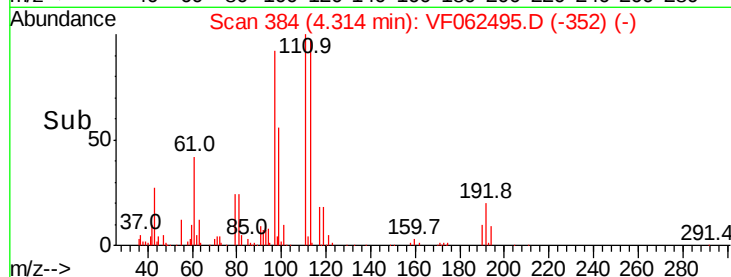
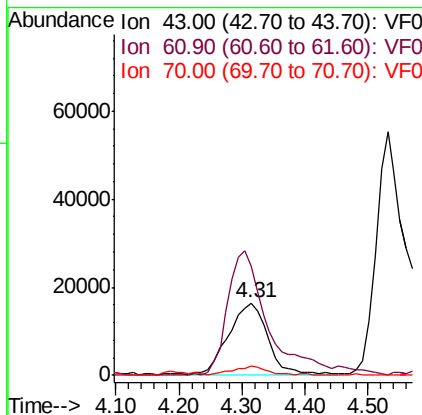
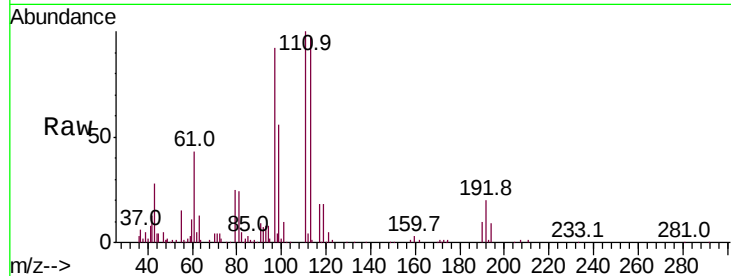
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	178.3	0.0	0.0#
70	11.2	8.2	12.2

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#38

Carbon Tetrachloride

Concen: 64.352 ug/l m

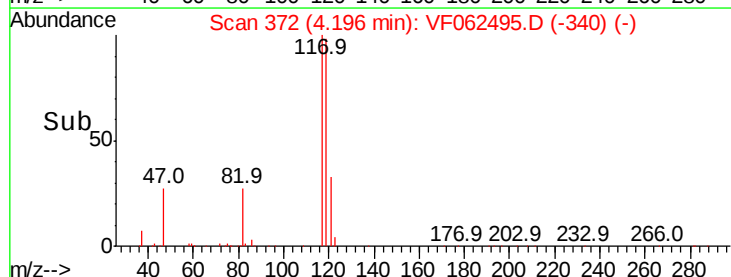
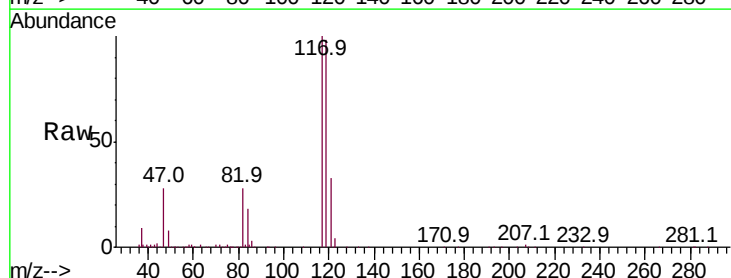
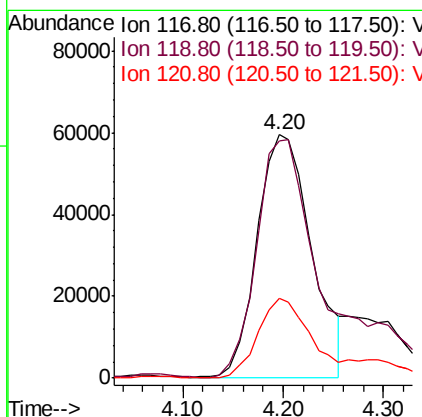
RT: 4.20 min Scan# 372

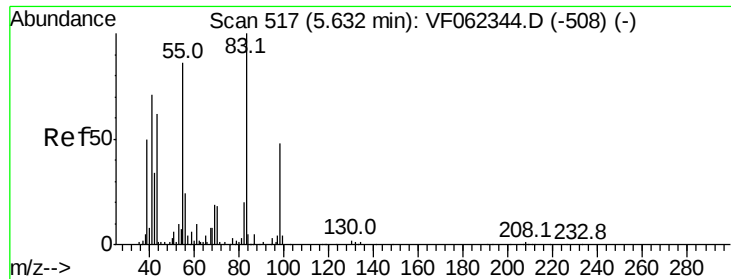
Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	73.4	110.2
121	32.6	27.4	41.0





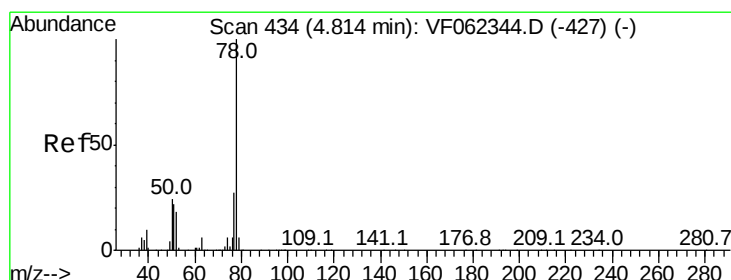
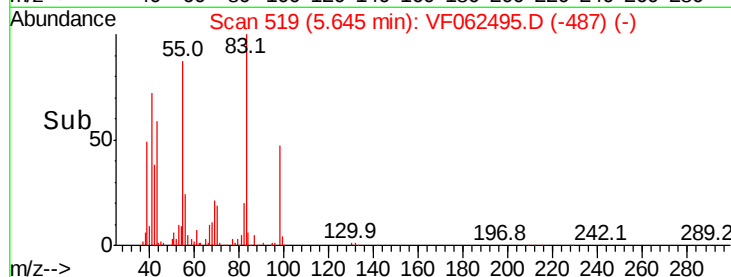
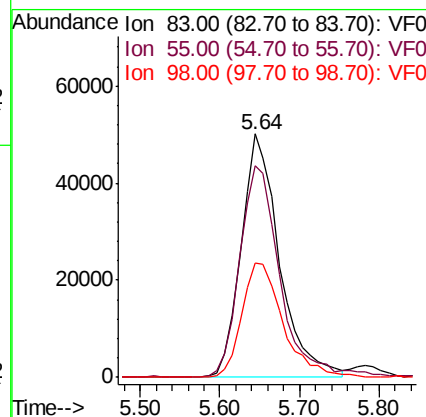
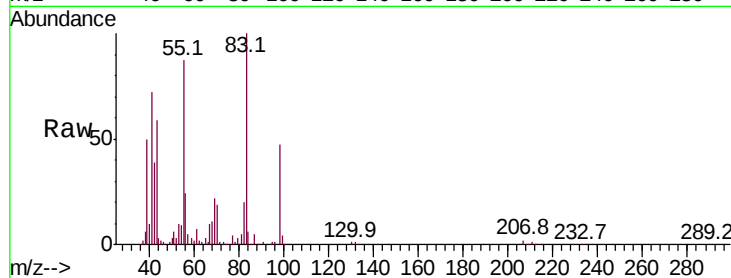
#39
Methvlcvclohexane
Concen: 48.519 ug/l
RT: 5.64 min Scan# 519
Delta R.T. 0.01 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.9	69.0	103.6
98	46.7	38.6	58.0

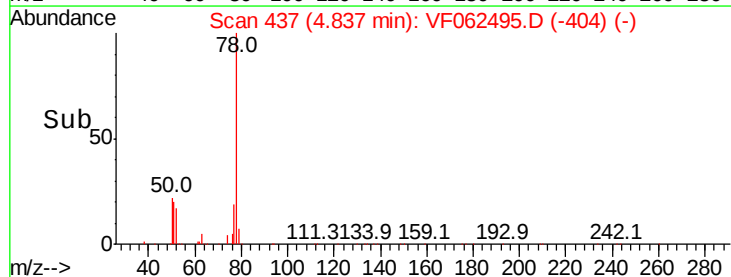
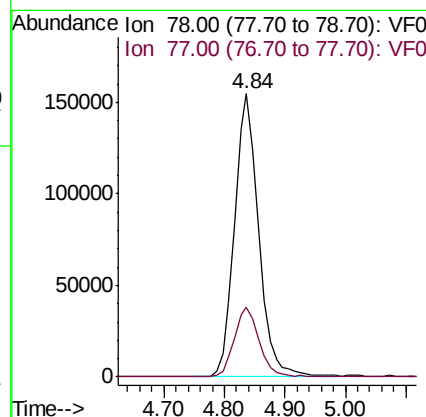
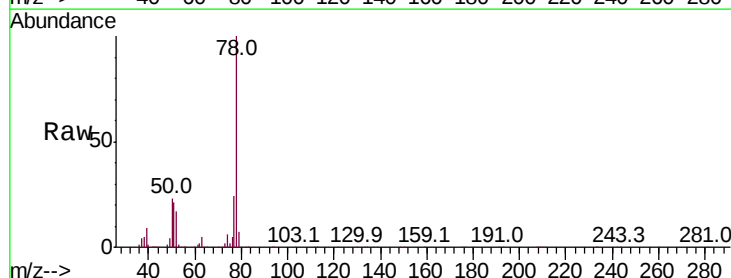
Manual Integrations
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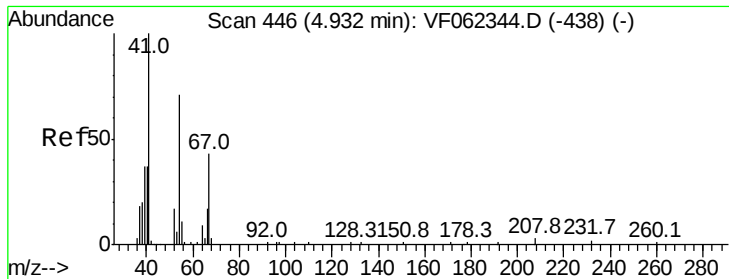
MMDadoda
5/13/2019 12:25:48 PM



#40
Benzene
Concen: 56.848 ug/l
RT: 4.84 min Scan# 437
Delta R.T. 0.02 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	21.6	32.4





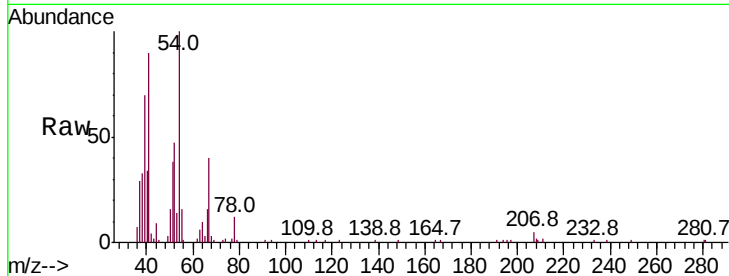
#41
Methacrylonitrile
Concen: 44.199 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.00 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	81.9	54.3	81.5#
67	54.5	37.8	56.8
52	78.1	58.2	87.4

Manual Integrations
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5/13/2019 12:25:48 PM



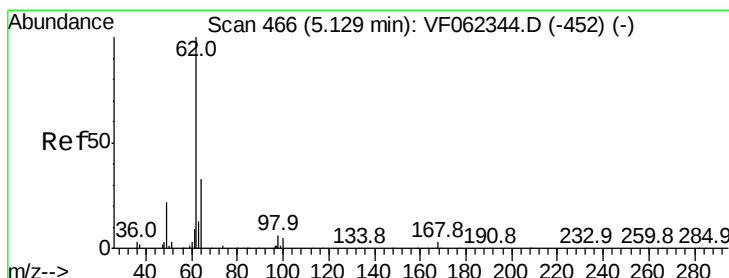
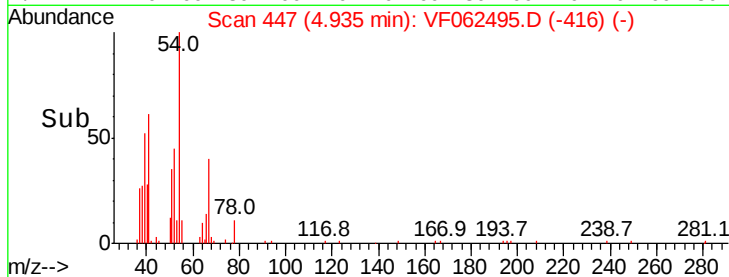
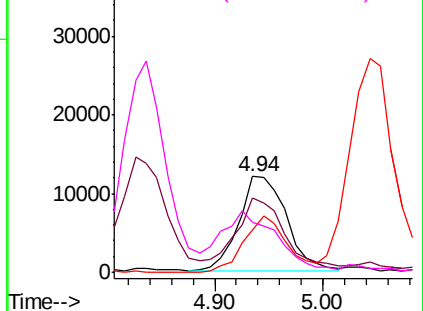
Abundance

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

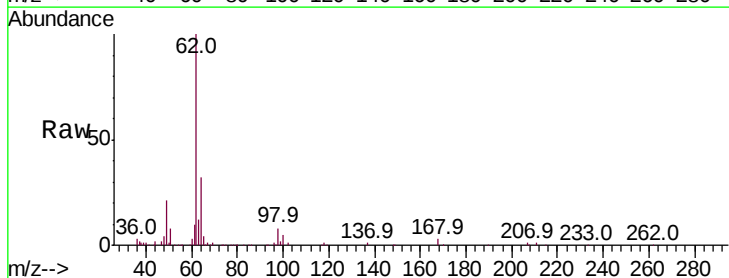
Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42
1,2-Dichloroethane
Concen: 55.151 ug/l
RT: 5.14 min Scan# 468
Delta R.T. 0.01 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

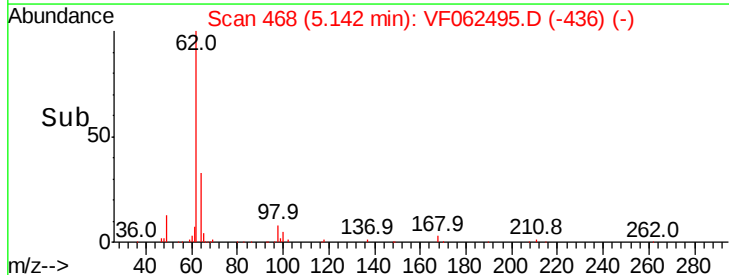
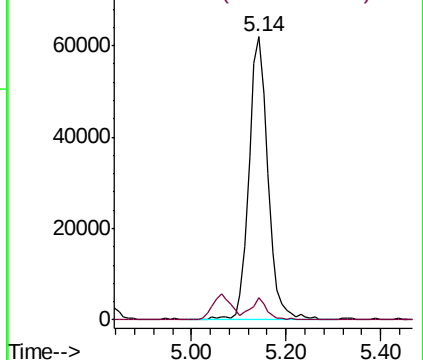
Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.6	0.0	12.4

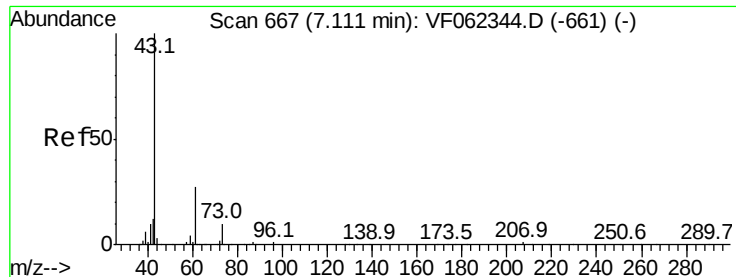


Abundance

Ion 61.90 (61.60 to 62.60): VF0

Ion 97.90 (97.60 to 98.60): VF0





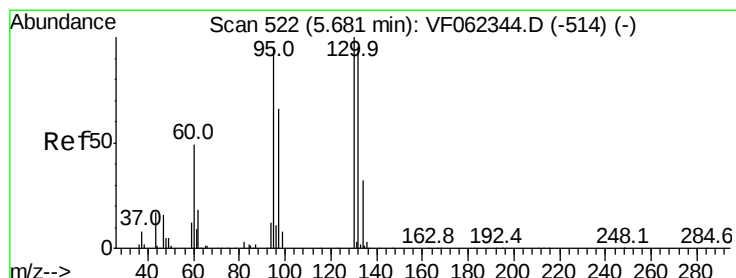
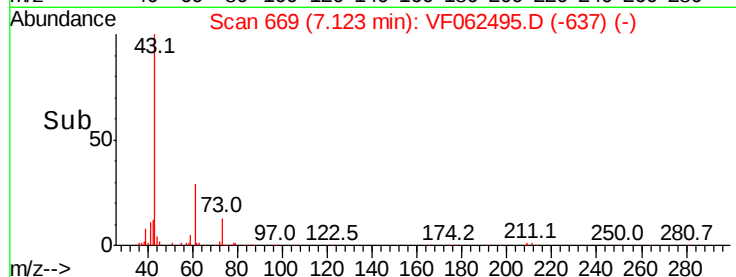
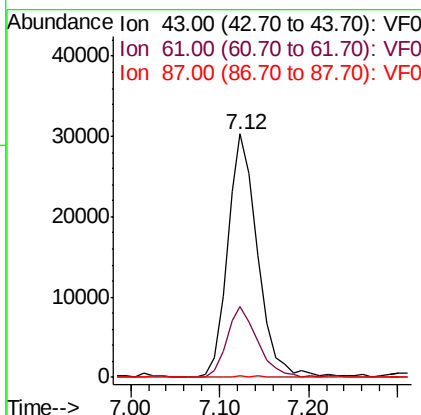
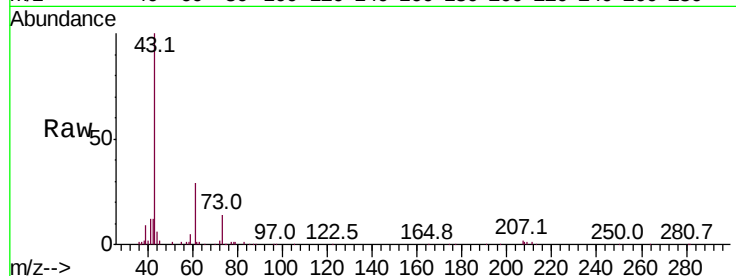
#43
Isopropyl Acetate
Concen: 45.896 ug/l
RT: 7.12 min Scan# 669
Delta R.T. 0.01 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.5	22.8	34.2
87	0.3	0.6	1.0

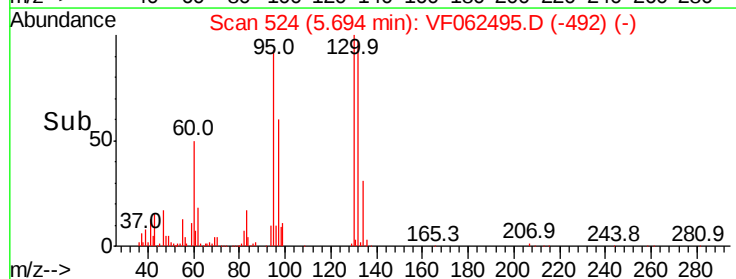
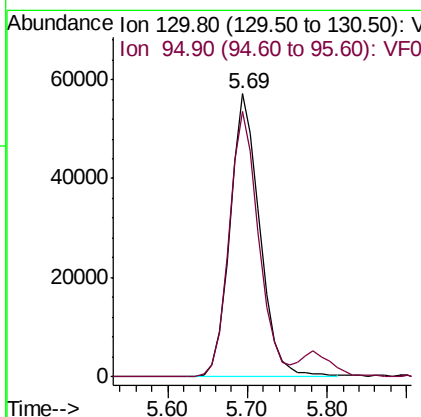
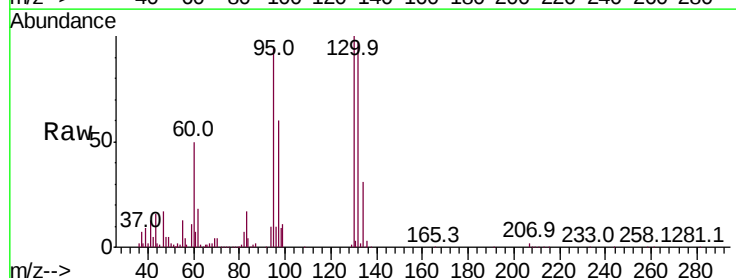
Manual Integrations
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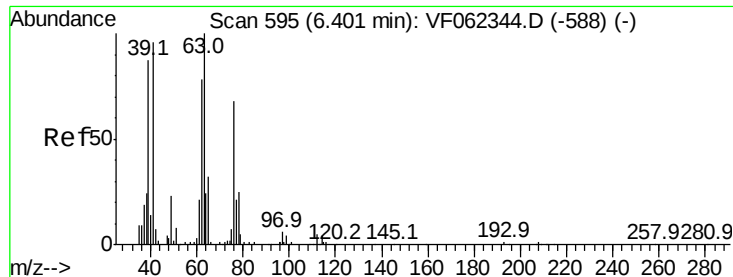
MMDadoda
5/13/2019 12:25:48 PM



#44
Trichloroethene
Concen: 53.572 ug/l
RT: 5.69 min Scan# 524
Delta R.T. 0.01 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.2	0.0	189.0





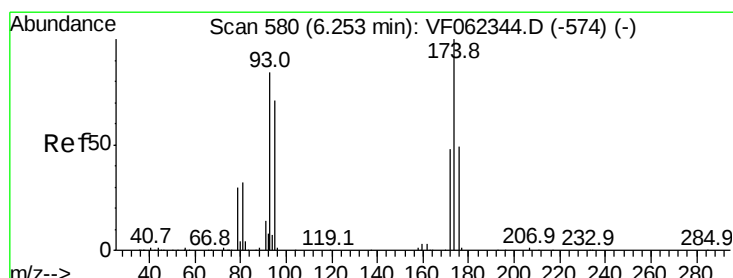
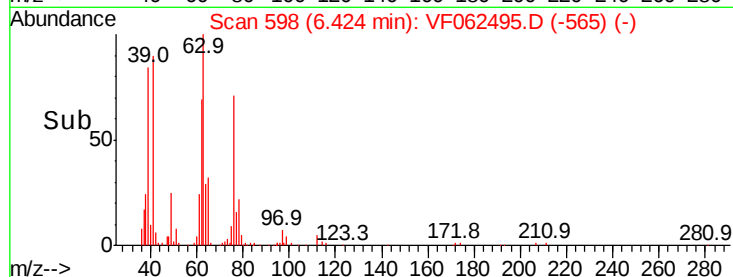
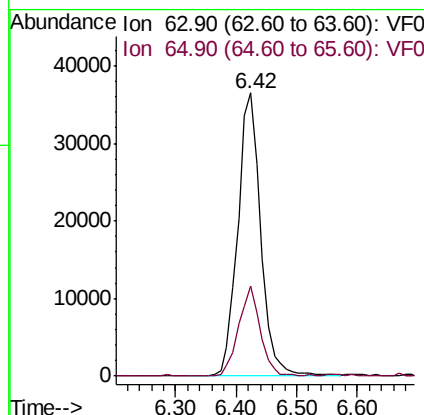
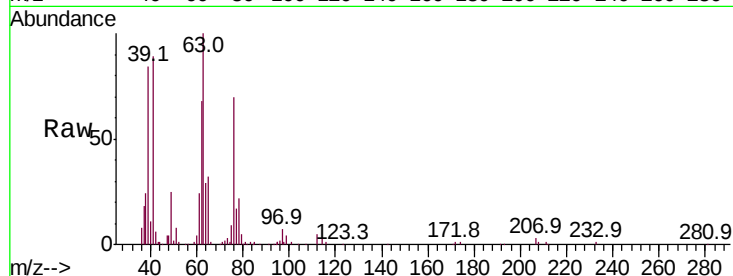
#45
1,2-Dichloropropane
Concen: 56.586 ug/l
RT: 6.42 min Scan# 598
Delta R.T. 0.02 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 63 Resp: 96580
Ion Ratio Lower Upper
63 100
65 31.7 25.6 38.4

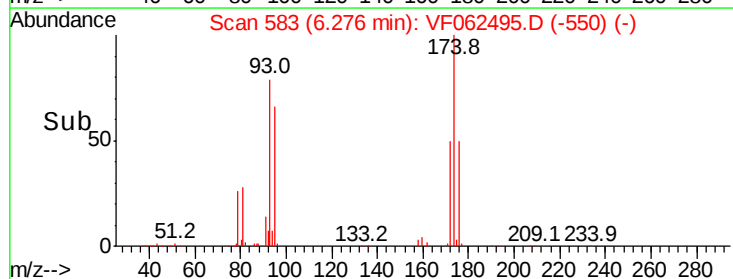
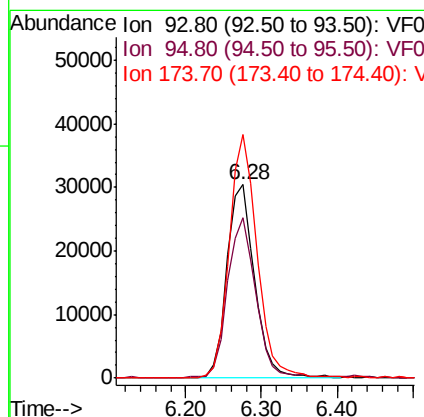
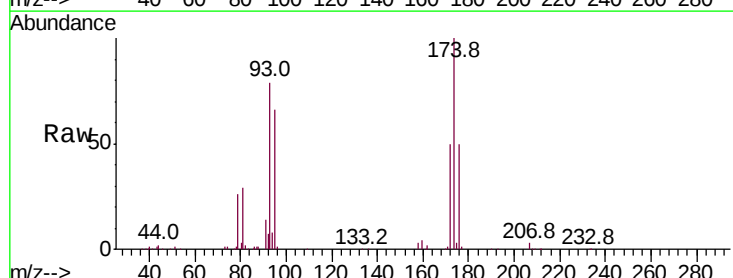
Manual Integrations
APPROVED

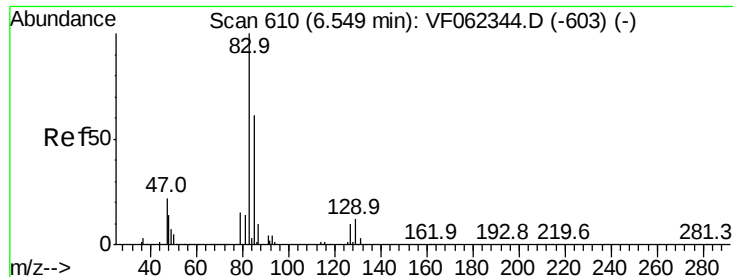
MMDadoda
5/13/2019 12:25:48 PM



#46
Dibromomethane
Concen: 54.496 ug/l
RT: 6.28 min Scan# 583
Delta R.T. 0.02 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Tgt Ion: 93 Resp: 77119
Ion Ratio Lower Upper
93 100
95 84.9 68.4 102.6
174 126.5 99.6 149.4





#47

Bromodichloromethane

Concen: 58.936 ug/l

RT: 6.56 min Scan# 612

Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

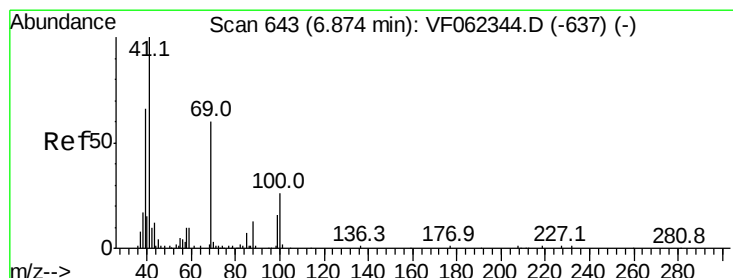
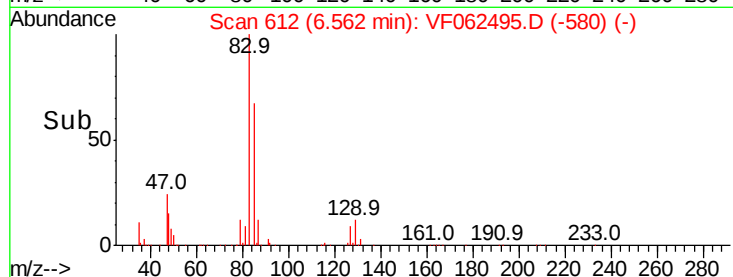
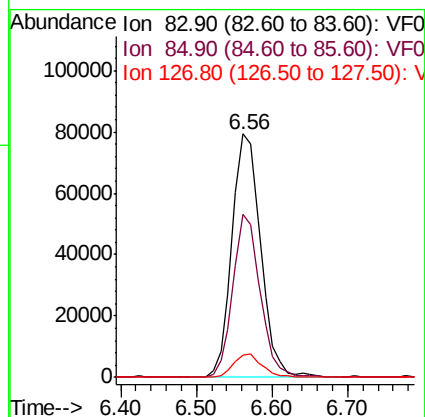
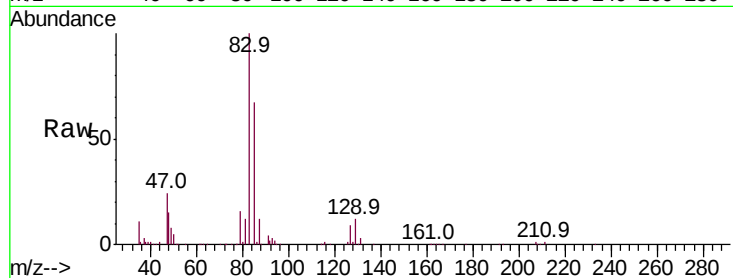
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	208518
Ion Ratio	Lower	Upper	
83	100		
85	66.7	49.1	73.7
127	9.3	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 47.804 ug/l

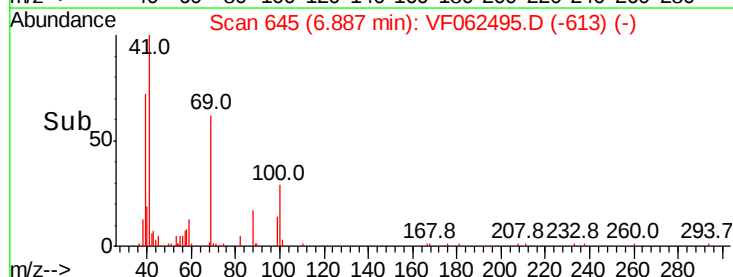
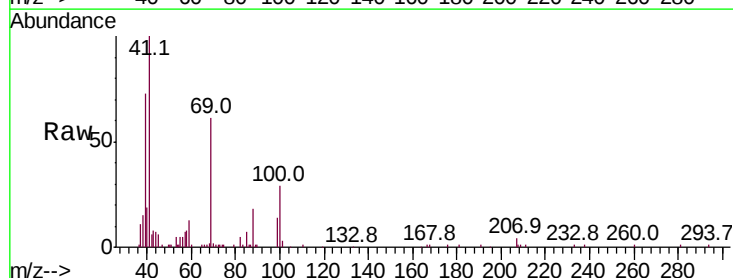
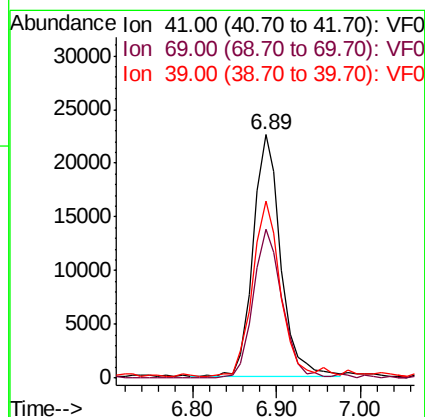
RT: 6.89 min Scan# 645

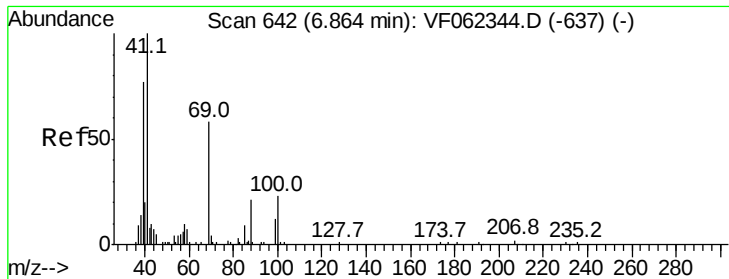
Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Tgt Ion:	41	Resp:	52582
Ion Ratio	Lower	Upper	
41	100		
69	63.5	48.6	72.8
39	71.7	56.1	84.1





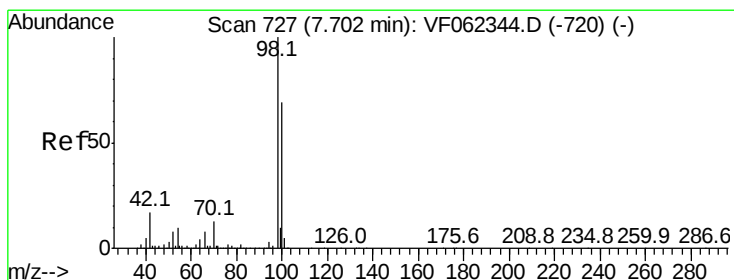
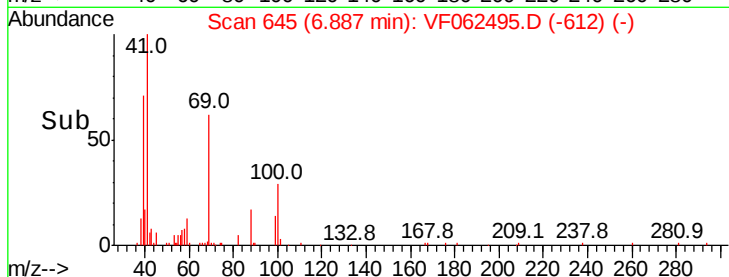
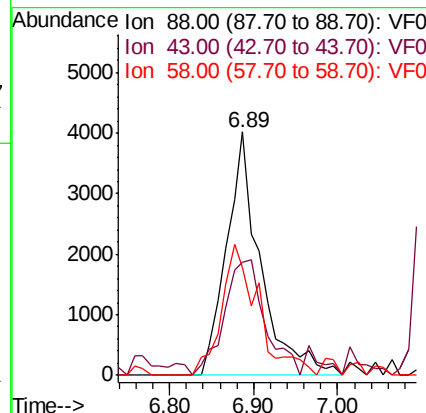
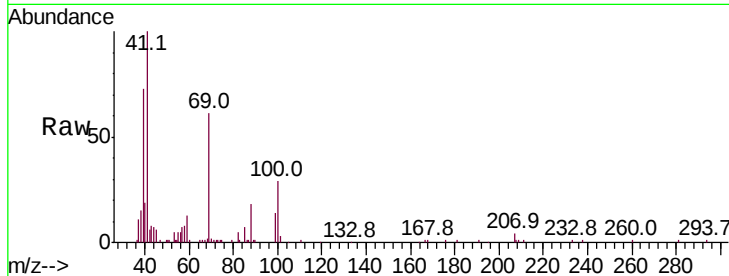
#49
1,4-Dioxane
Concen: 993.041 ug/l
RT: 6.89 min Scan# 645
Delta R.T. 0.02 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	57.0	55.6	83.4
58	58.6	52.8	79.2

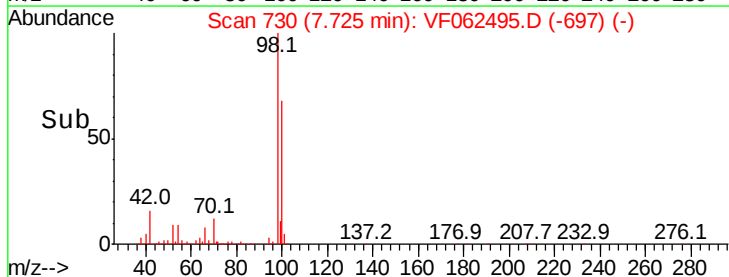
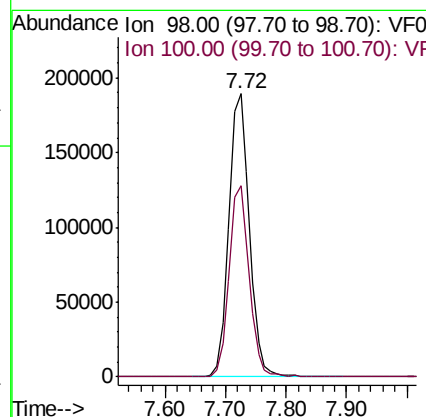
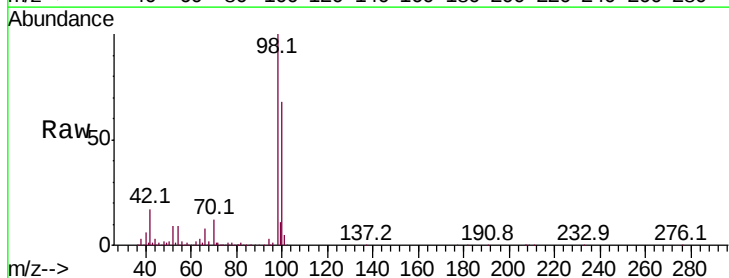
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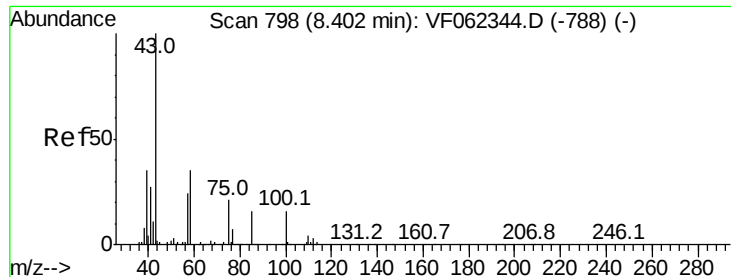
MMDadoda
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#50
Toluene-d8
Concen: 58.067 ug/l
RT: 7.72 min Scan# 730
Delta R.T. 0.02 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 260.795 ug/l

RT: 8.41 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 307584

Ion Ratio Lower Upper

43 100

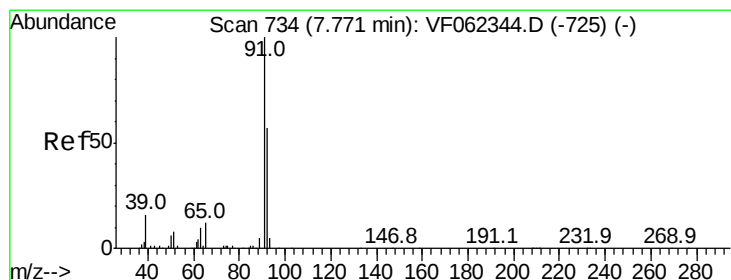
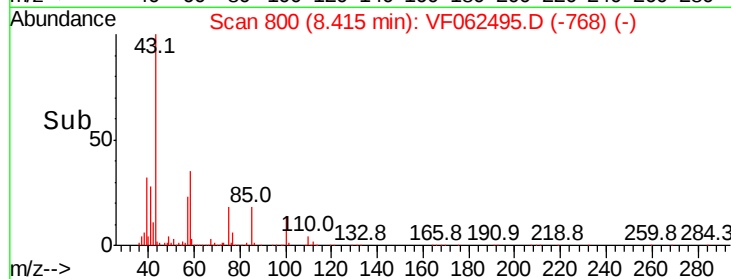
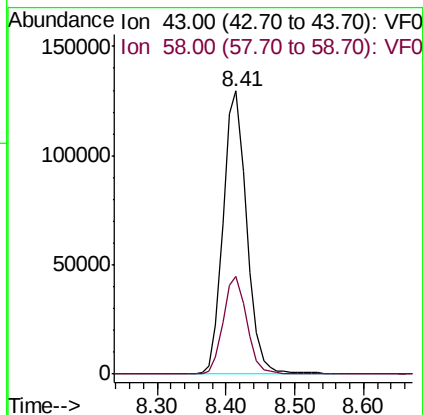
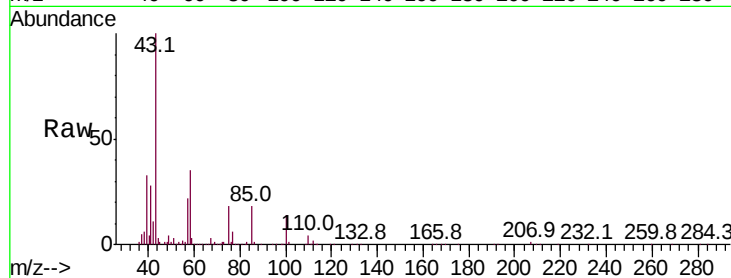
58 34.7 27.8 41.6

Manual Integrations

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#52

Toluene

Concen: 57.081 ug/l

RT: 7.79 min Scan# 737

Delta R.T. 0.02 min

Lab File: VF062495.D

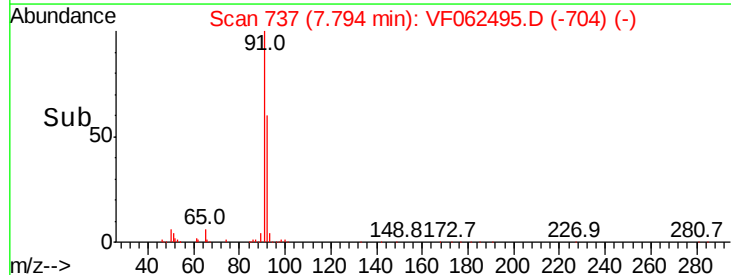
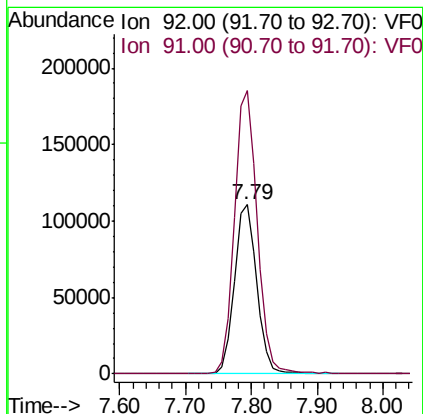
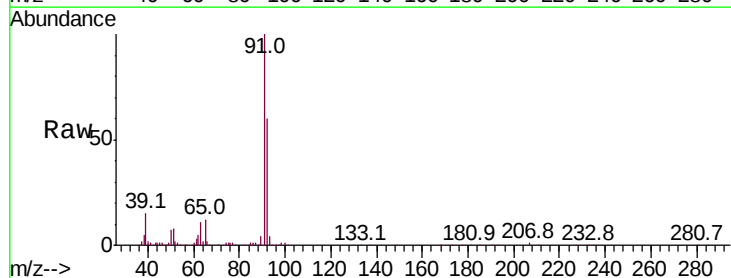
Acq: 12 May 2019 10:45

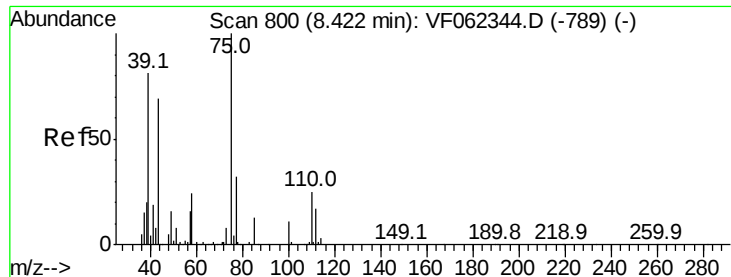
Tgt Ion: 92 Resp: 265348

Ion Ratio Lower Upper

92 100

91 170.3 138.7 208.1





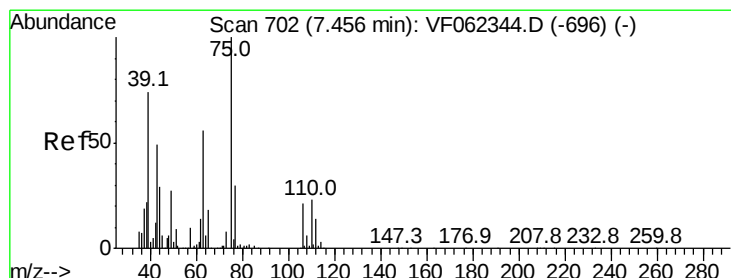
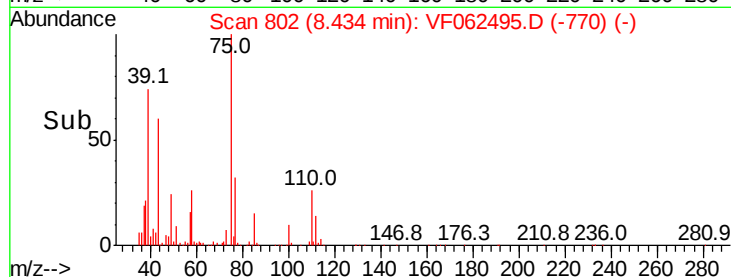
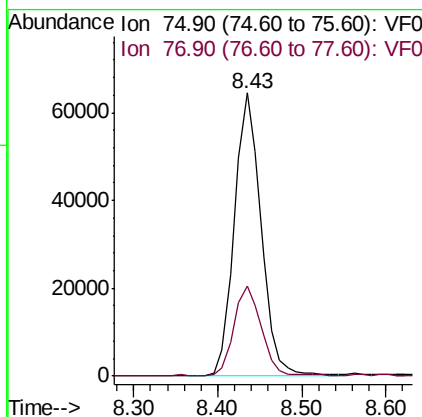
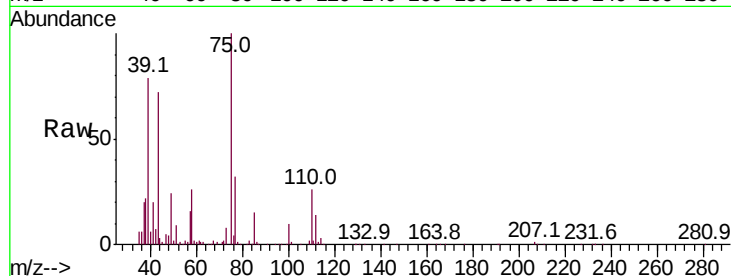
#53
t-1,3-Dichloropropene
Concen: 52.859 ug/l
RT: 8.43 min Scan# 802
Delta R.T. 0.01 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 141449
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.0

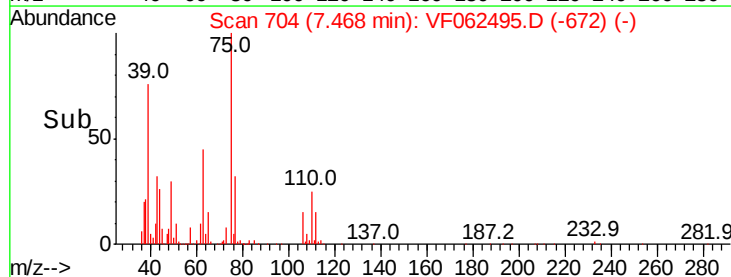
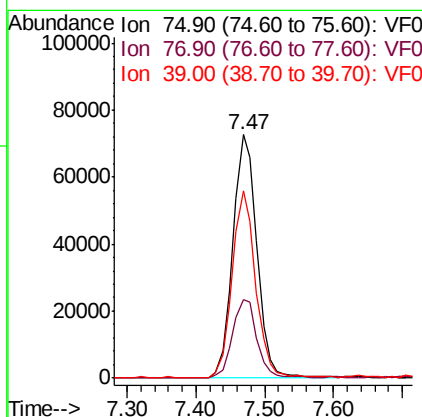
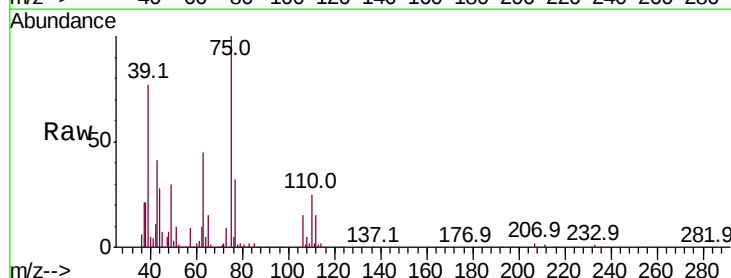
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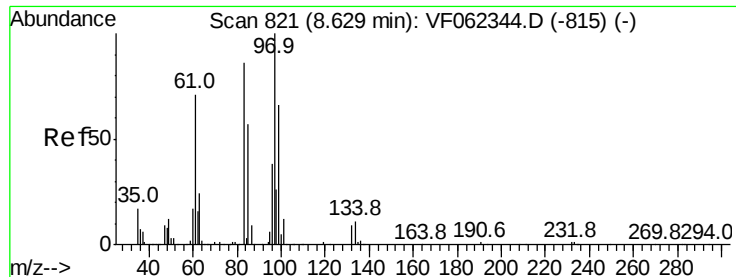
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 56.498 ug/l
RT: 7.47 min Scan# 704
Delta R.T. 0.01 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Tgt Ion: 75 Resp: 175952
Ion Ratio Lower Upper
75 100
77 32.2 24.0 36.0
39 76.8 58.7 88.1





#55

1,1,2-Trichloroethane

Concen: 53.761 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.02 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

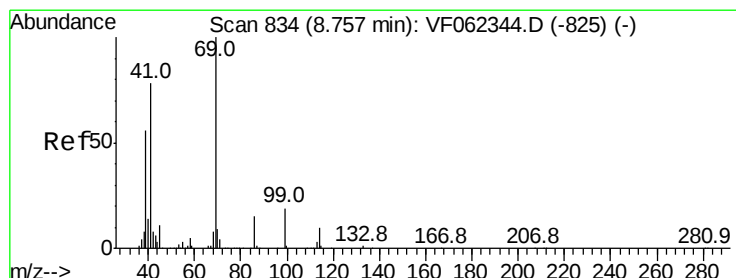
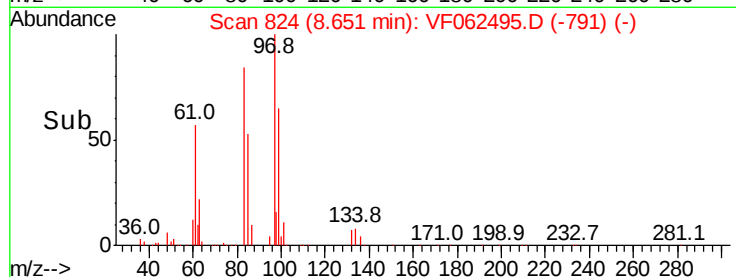
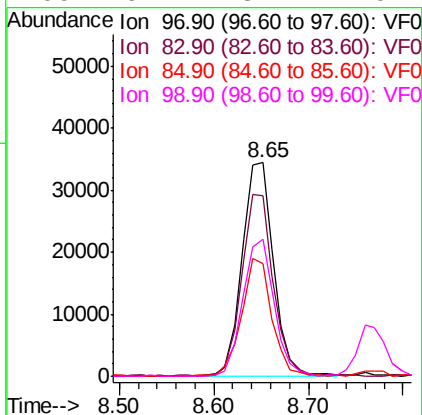
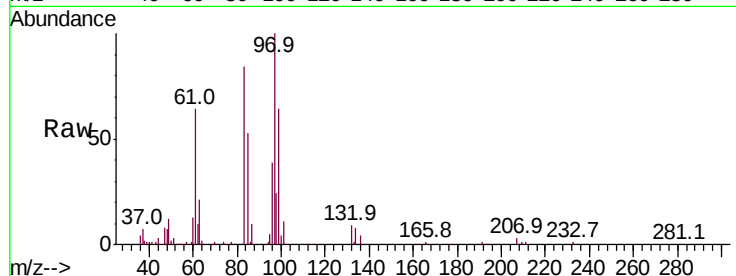
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.8	68.5	102.7
85	52.8	45.4	68.2
99	64.2	52.7	79.1

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#56

Ethyl methacrylate

Concen: 48.747 ug/l

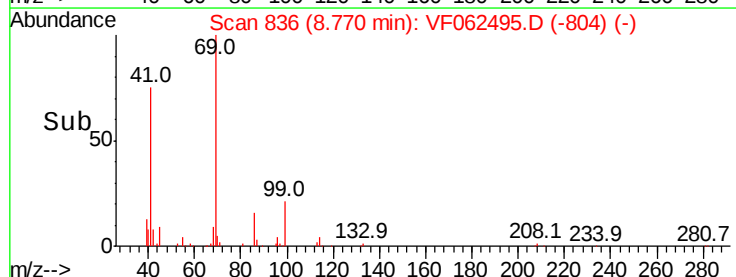
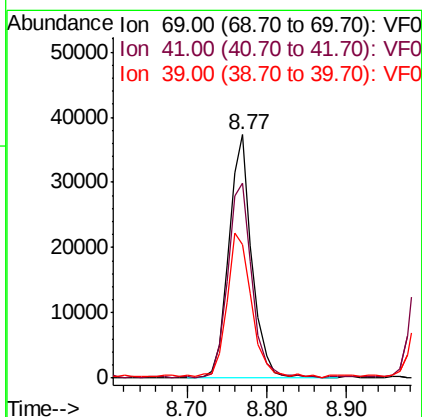
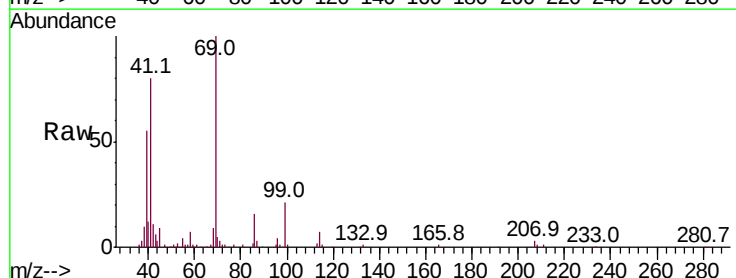
RT: 8.77 min Scan# 836

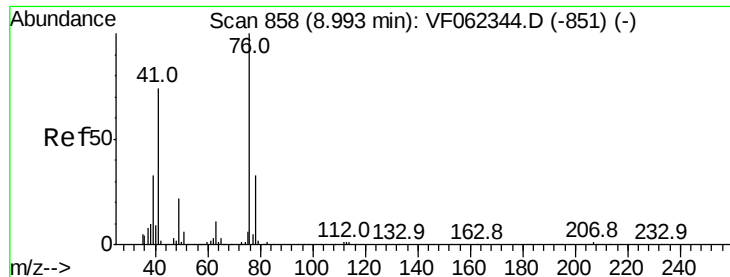
Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Tgt Ion	Ratio	Lower	Upper
69	100		
41	84.6	66.3	99.5
39	61.8	50.1	75.1





#57

1,3-Dichloropropane

Concen: 52.984 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 118105

Ion Ratio Lower Upper

76 100

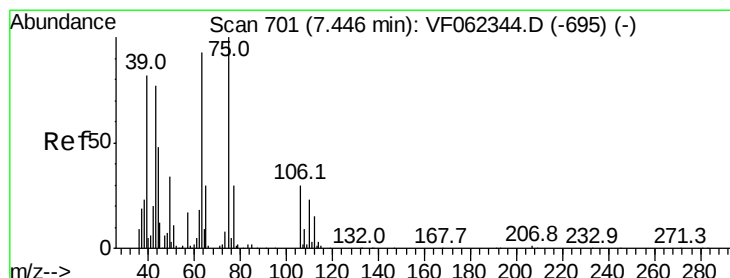
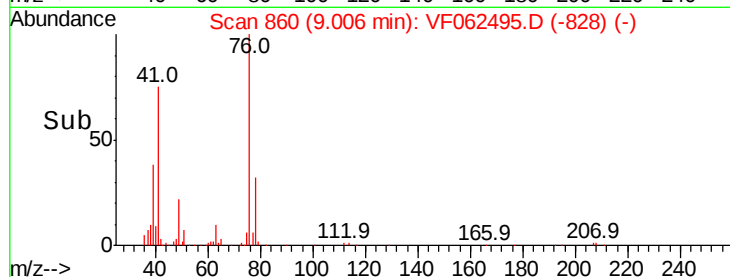
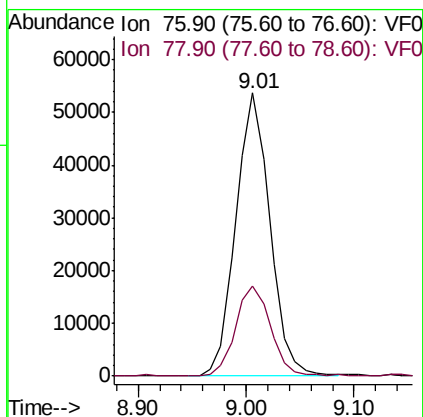
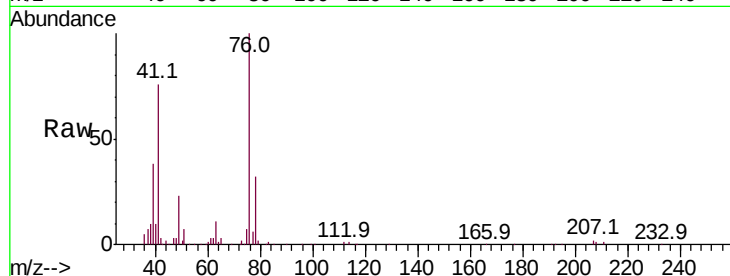
78 32.6 26.4 39.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 189.827 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF062495.D

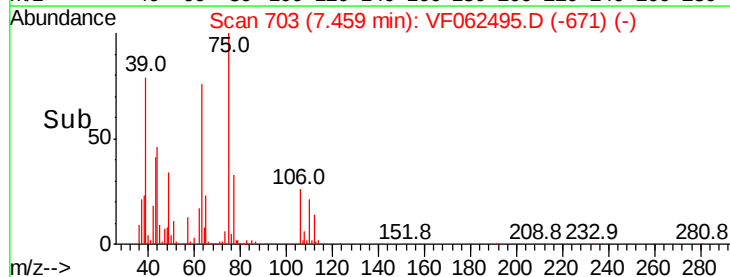
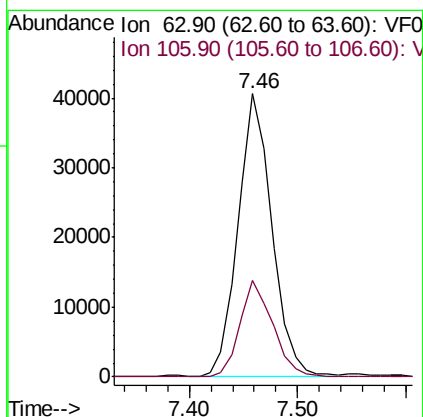
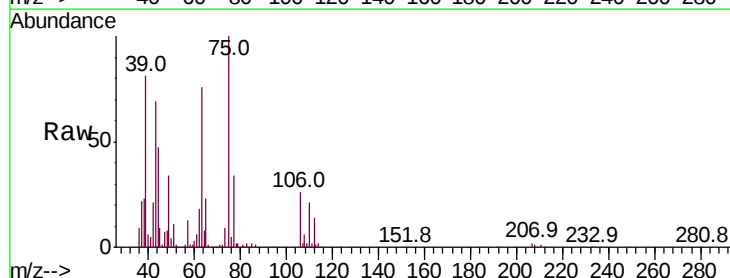
Acq: 12 May 2019 10:45

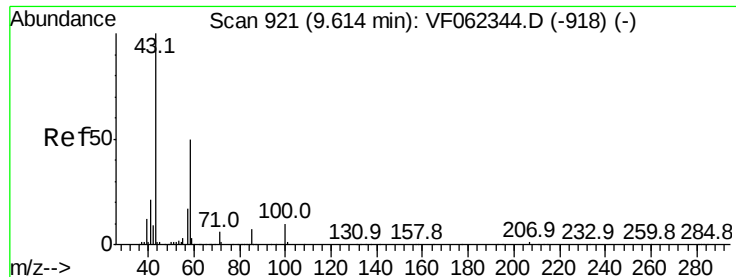
Tgt Ion: 63 Resp: 88902

Ion Ratio Lower Upper

63 100

106 32.8 25.8 38.8





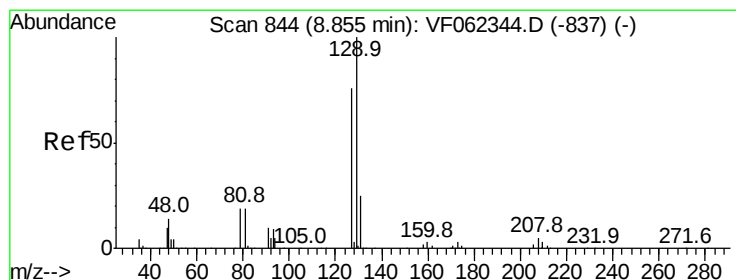
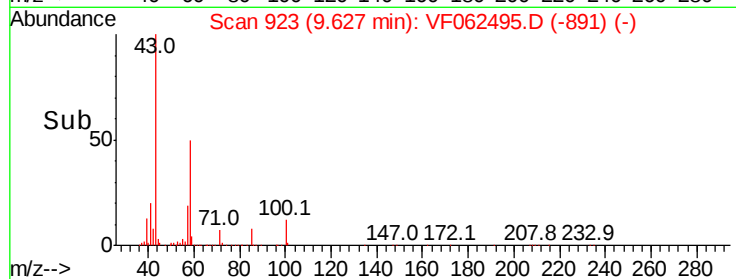
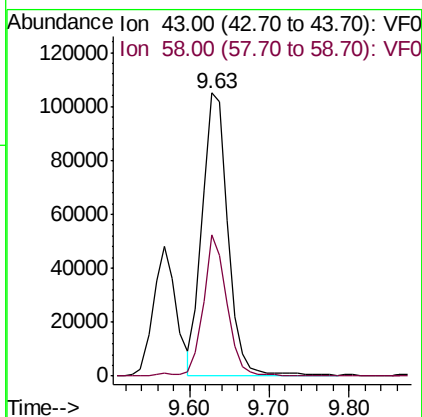
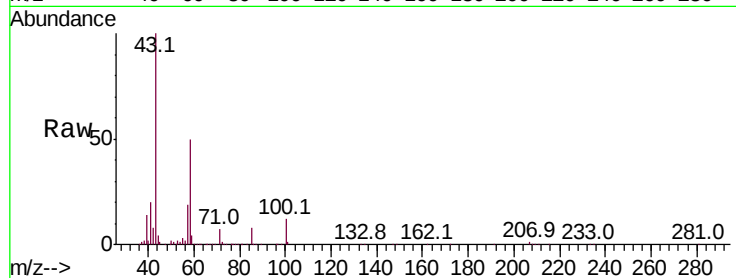
#59
2-Hexanone
Concen: 287.431 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.01 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 234452
Ion Ratio Lower Upper
43 100
58 46.0 24.3 73.0

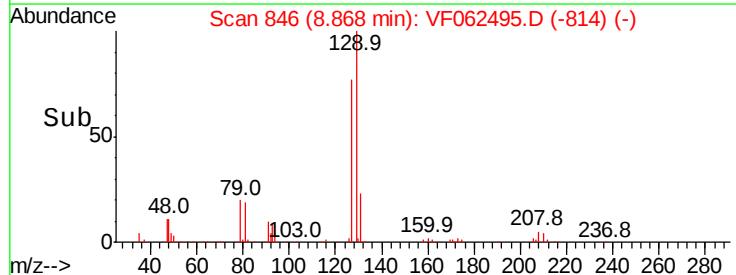
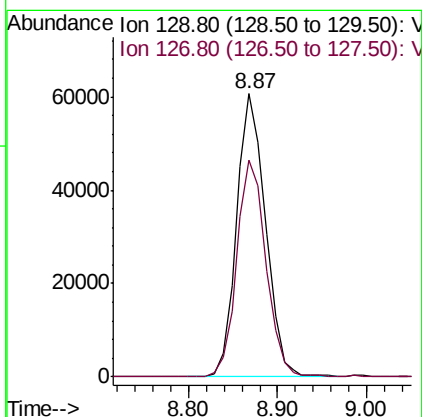
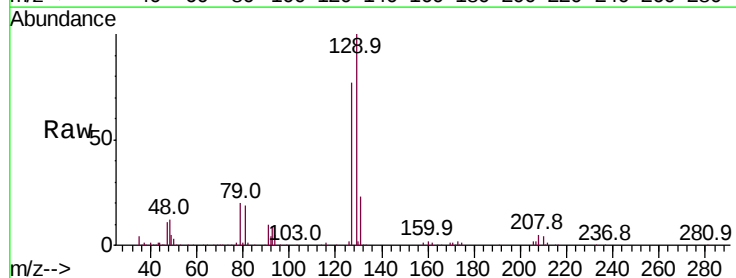
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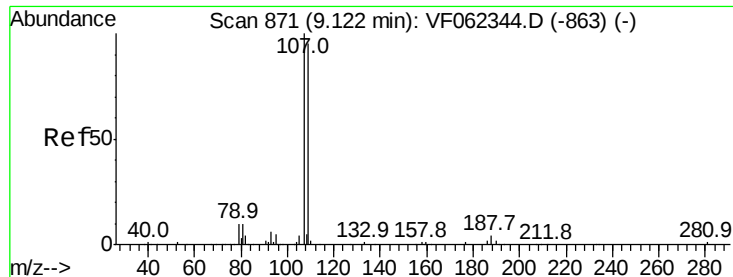
MMDadoda
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#60
Dibromochloromethane
Concen: 56.758 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.01 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Tgt Ion: 129 Resp: 136988
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.3





#61

1,2-Dibromoethane

Concen: 51.514 ug/l

RT: 9.14 min Scan# 874

Delta R.T. 0.02 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 89347

Ion Ratio Lower Upper

107 100

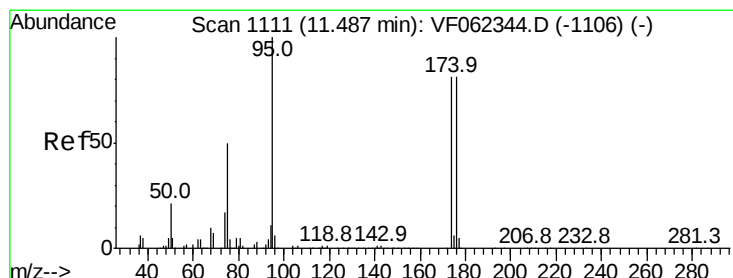
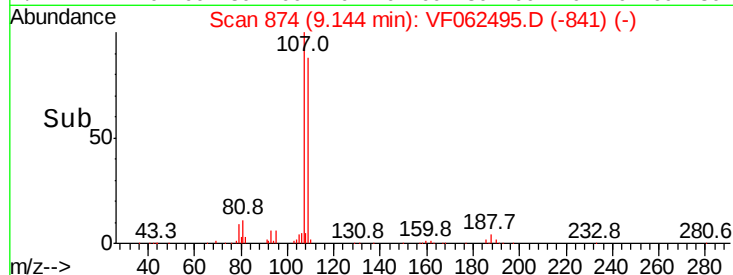
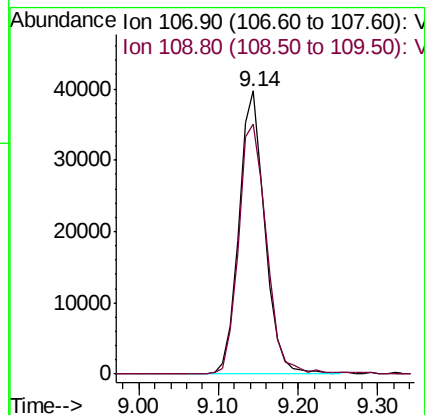
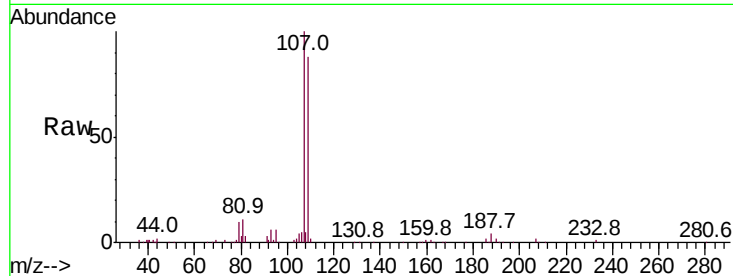
109 95.8 75.2 112.8

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#62

4-Bromofluorobenzene

Concen: 56.103 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

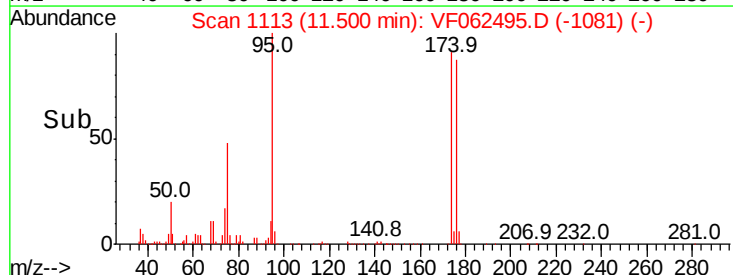
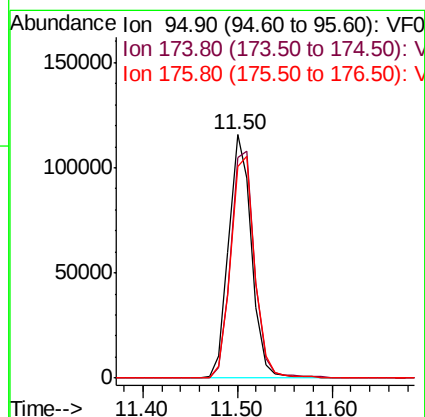
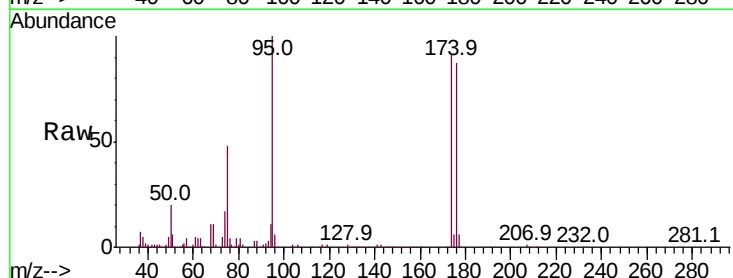
Tgt Ion: 95 Resp: 194445

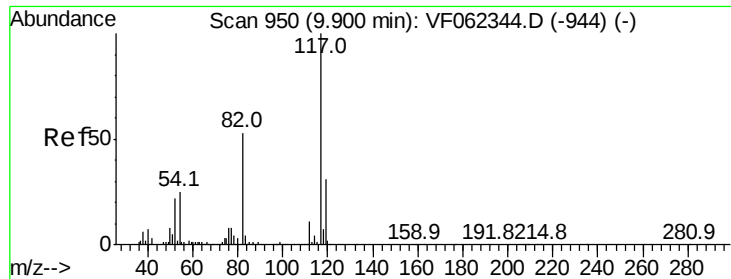
Ion Ratio Lower Upper

95 100

174 97.9 0.0 191.8

176 95.4 0.0 193.2





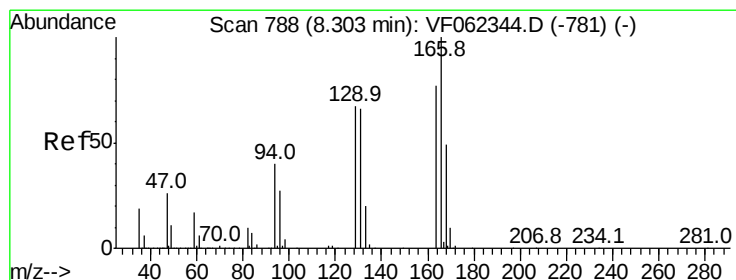
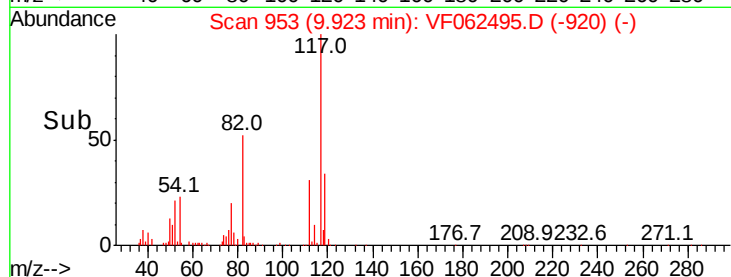
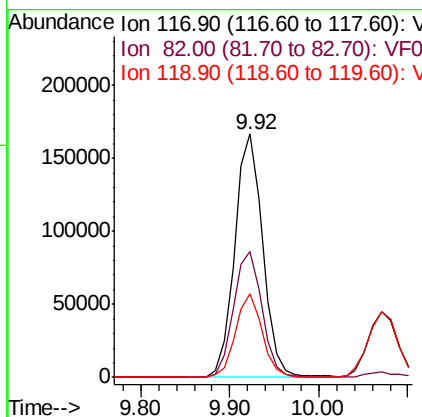
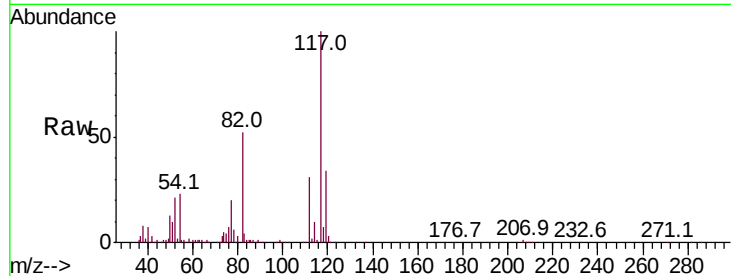
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.02 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	366192		
82	51.9	42.2	63.2	
119	34.4	25.0	37.4	

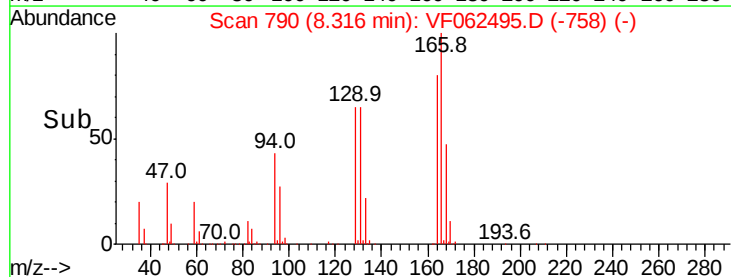
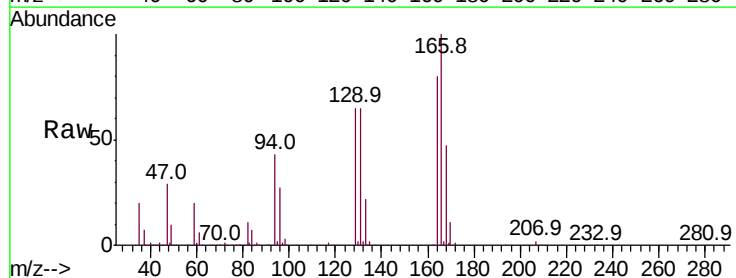
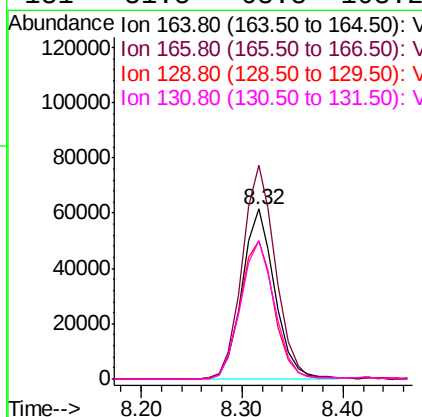
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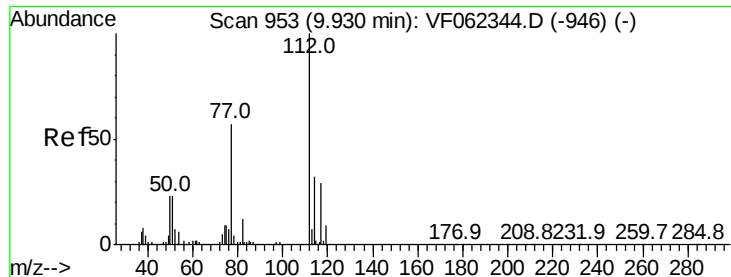
MMDadoda
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#64
Tetrachloroethene
Concen: 46.734 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.01 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	138935		
166	125.7	104.2	156.4	
129	81.4	69.6	104.4	
131	81.5	68.8	103.2	





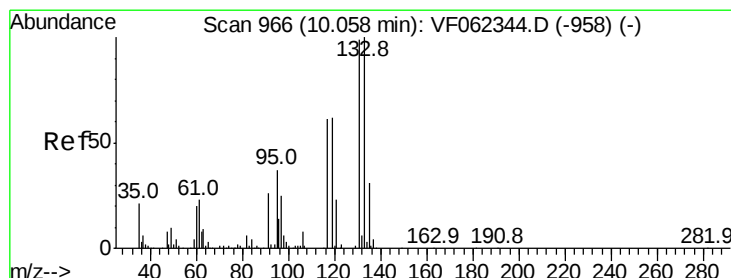
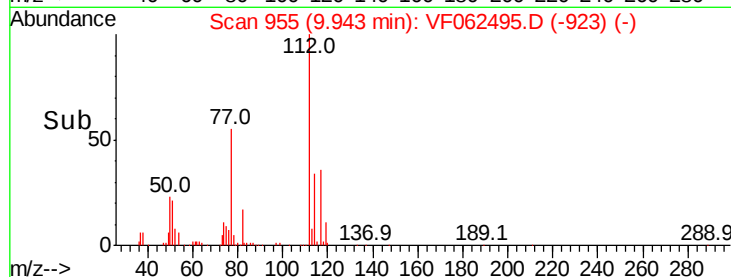
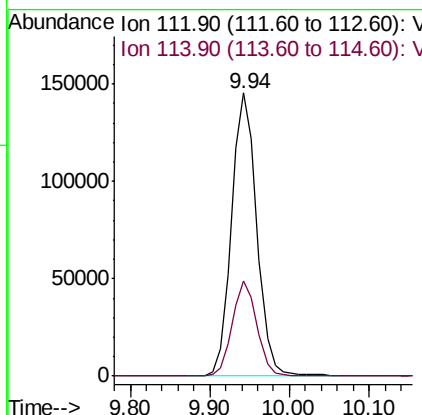
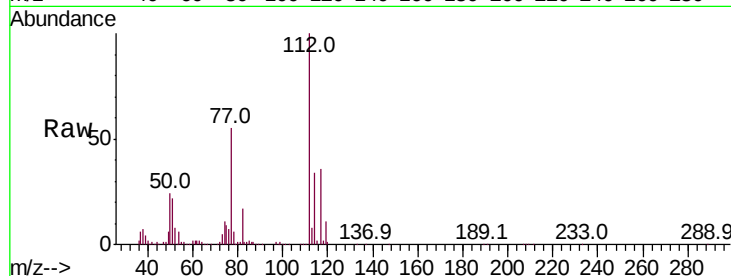
#65
Chlorobenzene
Concen: 53.162 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	322104		
114	33.9	25.4	38.0	

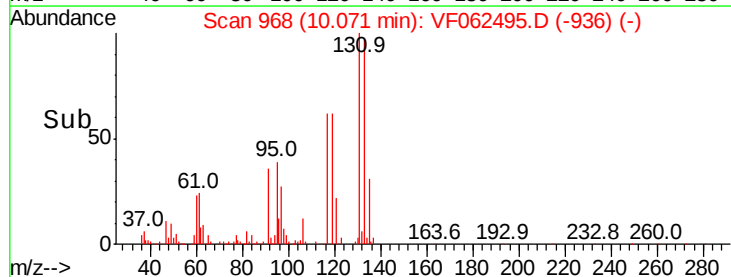
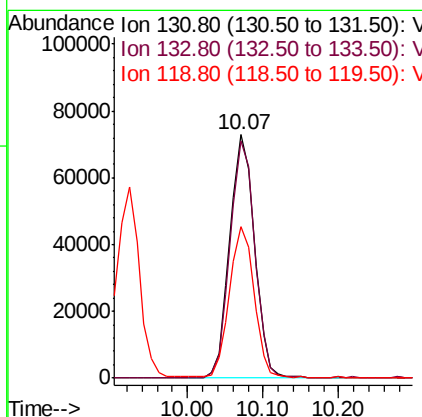
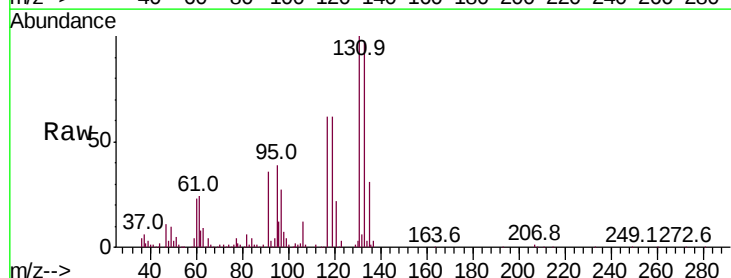
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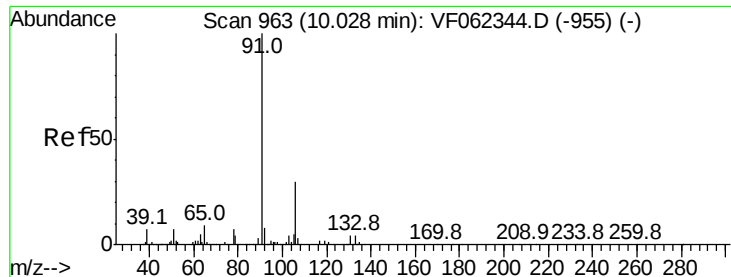
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.959 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.01 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	164926		
133	97.9	50.2	150.7	
119	62.1	31.6	95.0	





#67

Ethyl Benzene

Concen: 51.193 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 543135

Ion Ratio Lower Upper

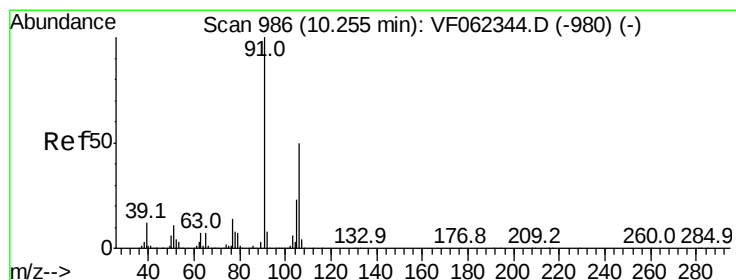
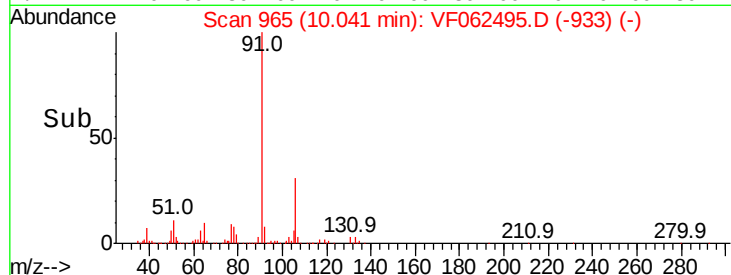
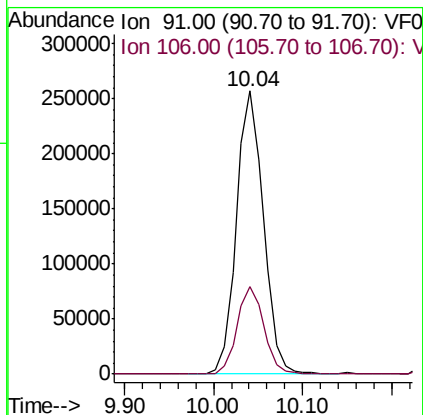
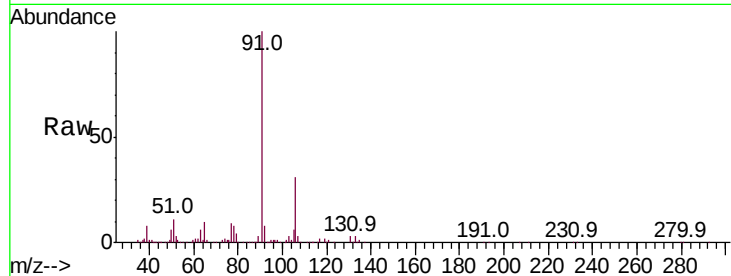
91 100

106 31.1 24.1 36.1

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#68

m/p-Xylenes

Concen: 105.633 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.01 min

Lab File: VF062495.D

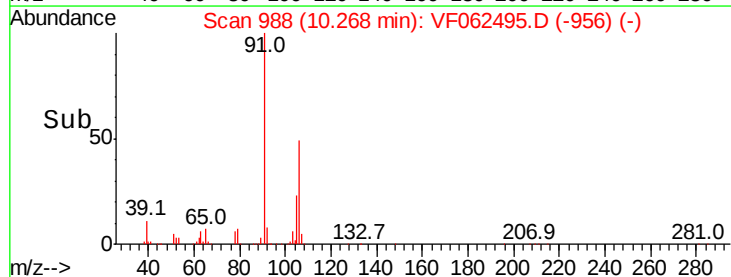
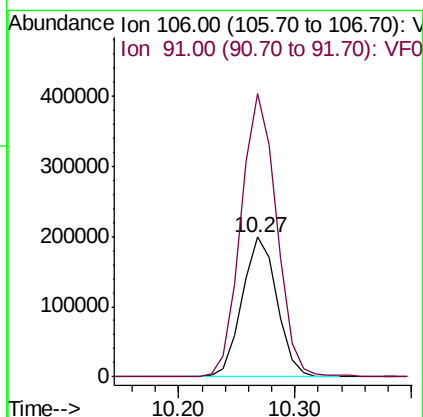
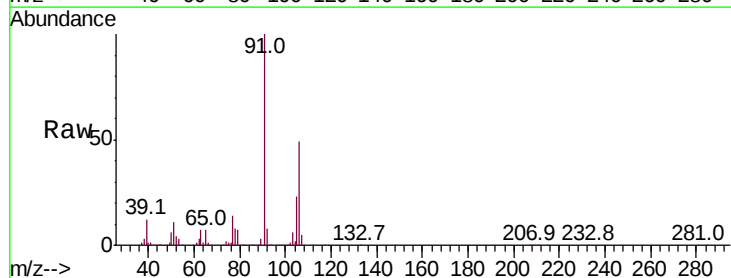
Acq: 12 May 2019 10:45

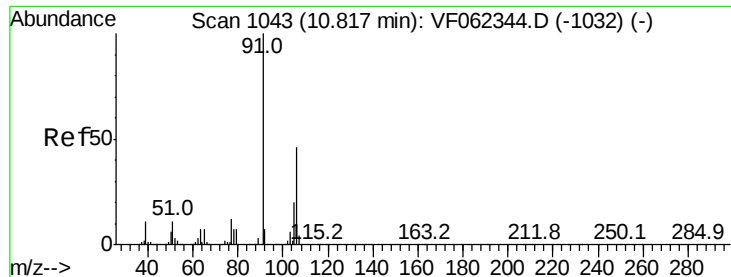
Tgt Ion: 106 Resp: 413506

Ion Ratio Lower Upper

106 100

91 207.4 167.4 251.2





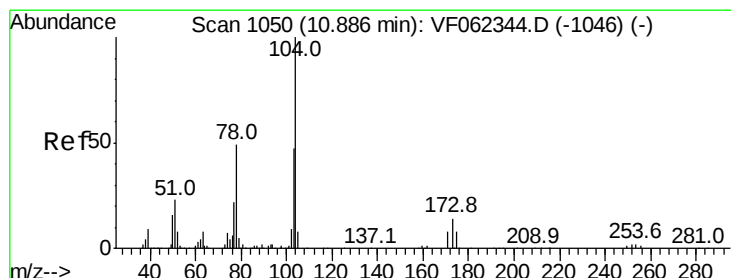
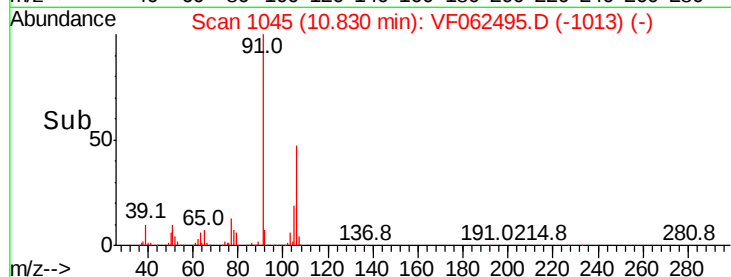
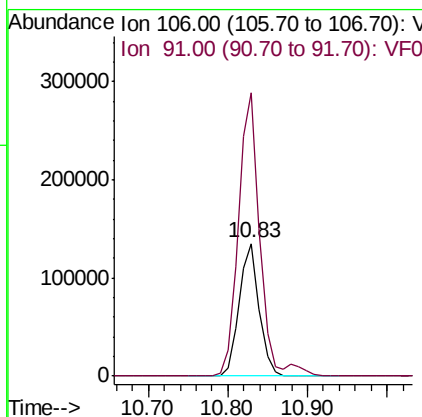
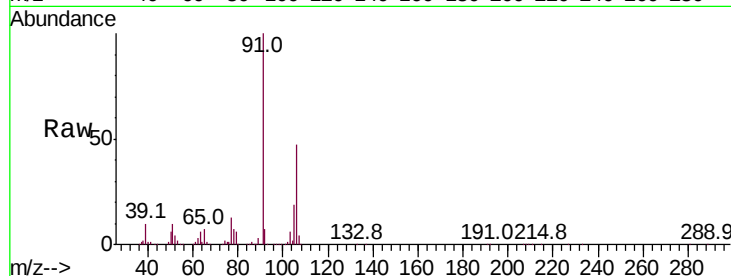
#69
o-Xylene
Concen: 56.162 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	219.2	111.3	333.8

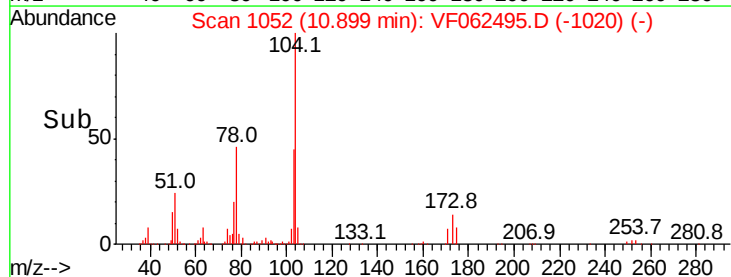
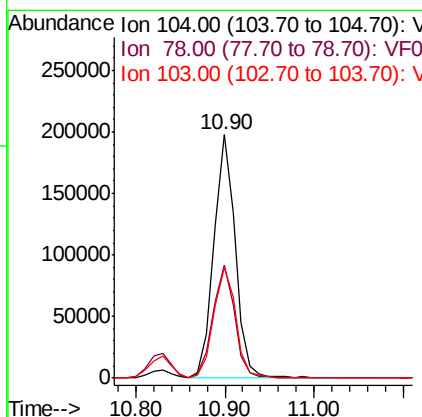
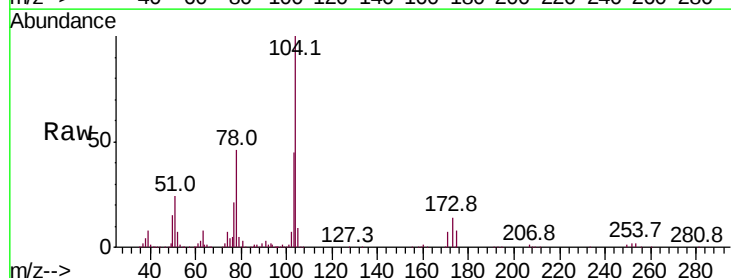
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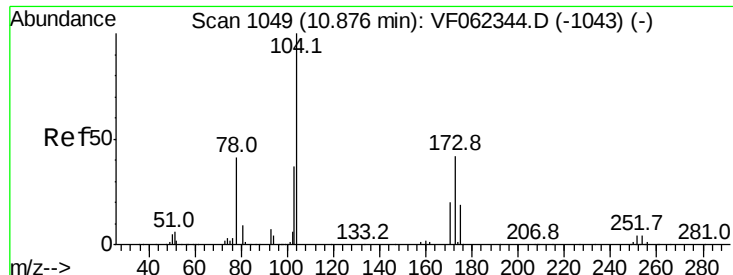
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#70
Styrene
Concen: 52.358 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.9	39.5	59.3
103	47.1	38.4	57.6





#71

Bromoform

Concen: 51.919 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

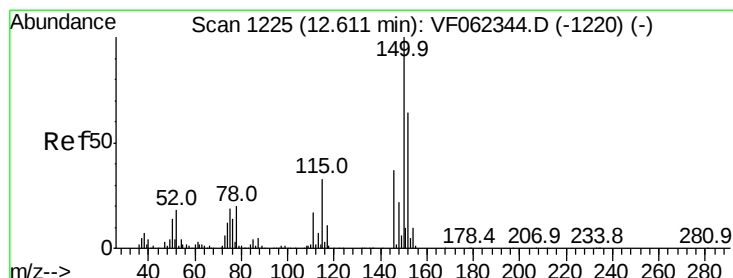
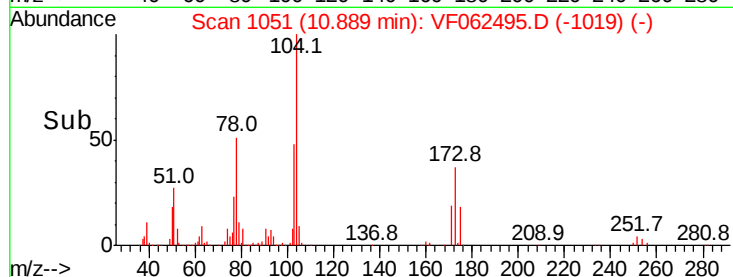
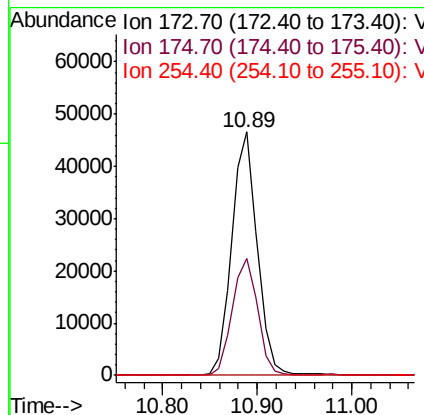
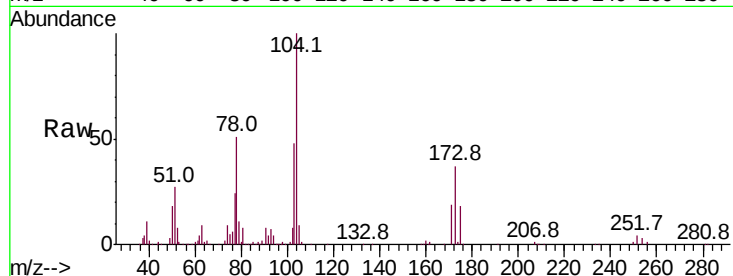
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	23.8	71.2
254	0.0	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

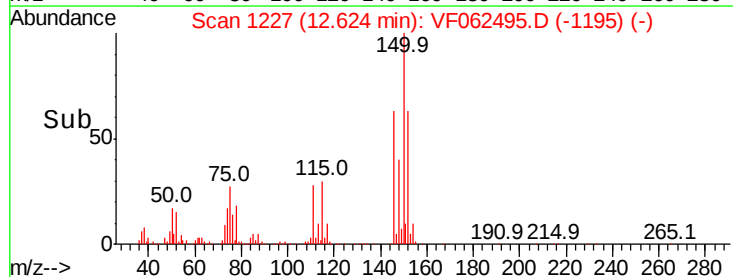
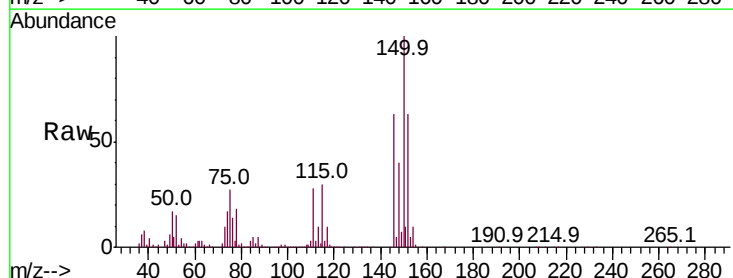
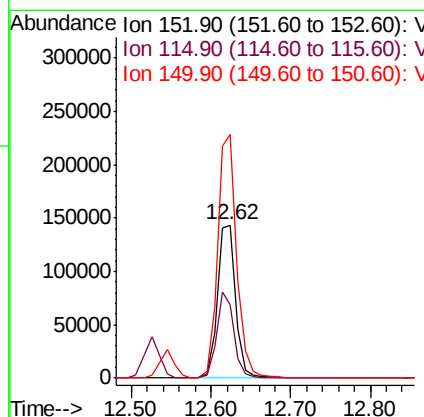
RT: 12.62 min Scan# 1227

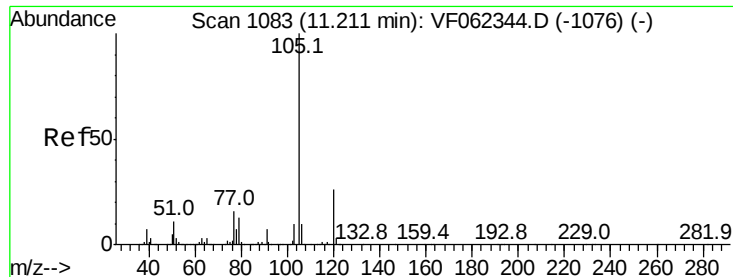
Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.0	26.4	79.2
150	165.8	0.0	335.0





#73

Isopropylbenzene

Concen: 51.454 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 706181

Ion Ratio Lower Upper

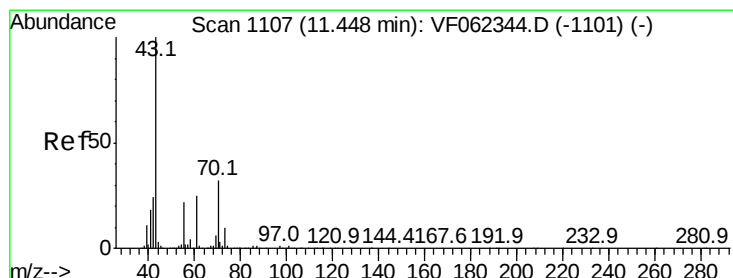
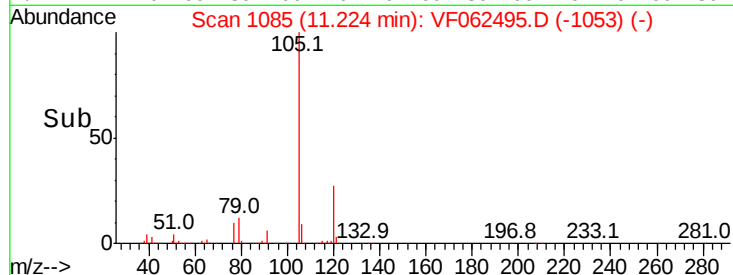
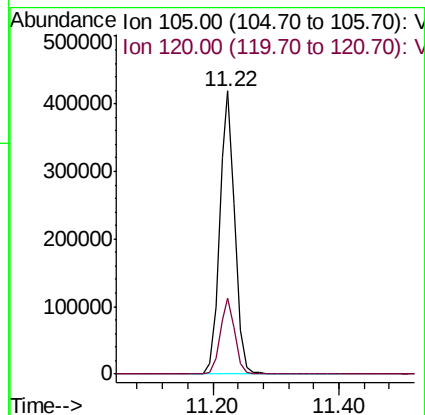
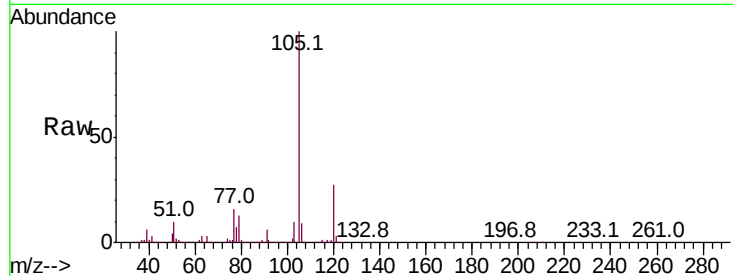
105 100

120 25.9 12.7 38.0

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#74

N-ethyl acetate

Concen: 45.616 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Tgt Ion: 43 Resp: 134406

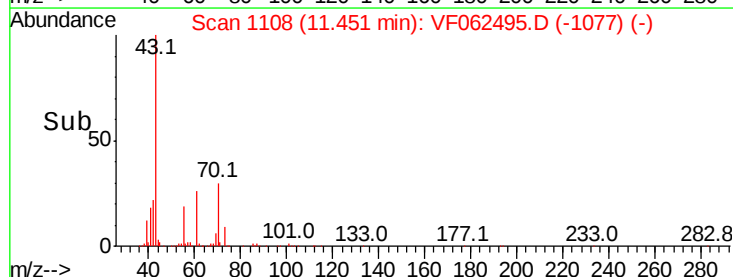
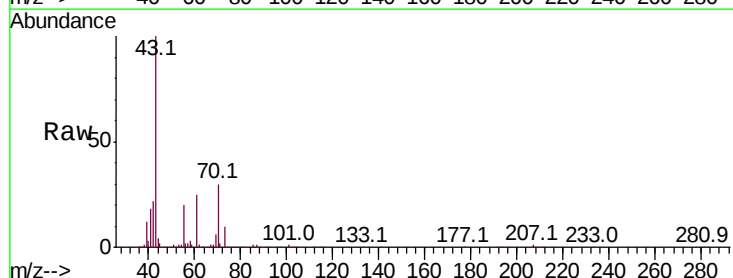
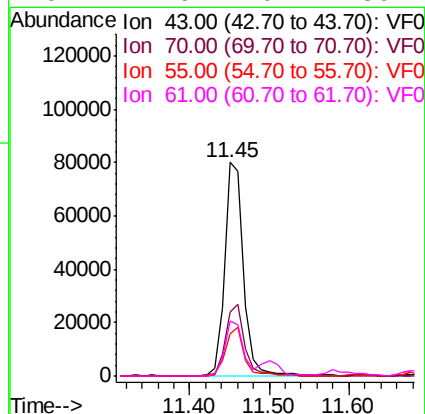
Ion Ratio Lower Upper

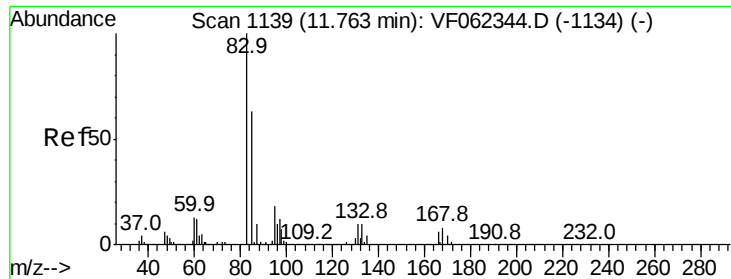
43 100

70 33.9 26.5 39.7

55 23.0 17.8 26.6

61 24.6 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 50.328 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

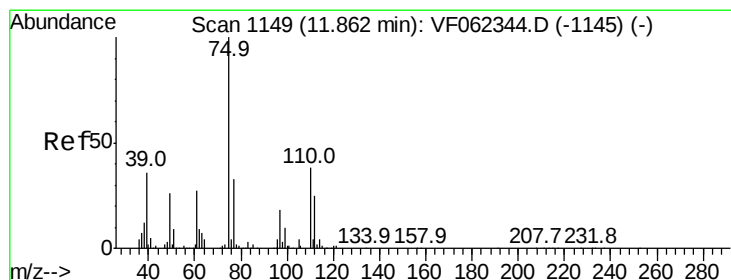
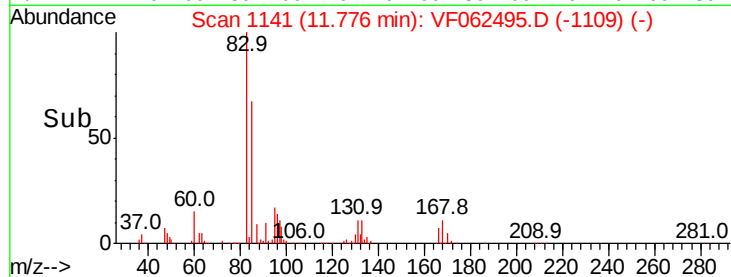
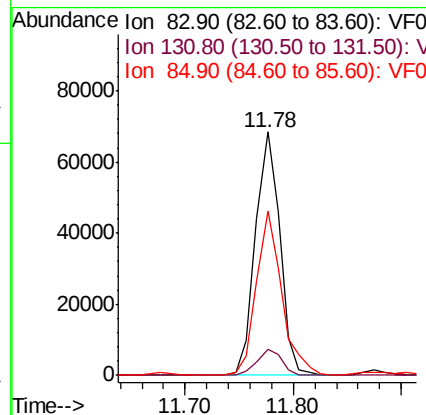
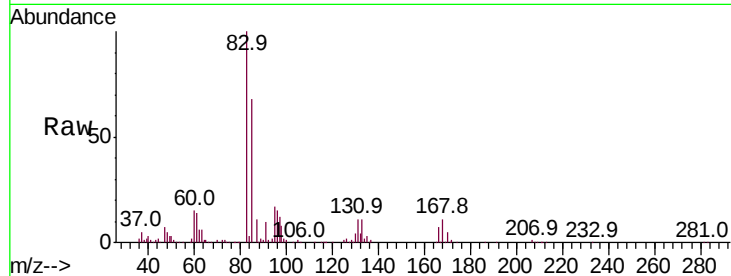
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	108152
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.8	17.4
85	70.6	35.3	105.7

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#76

1,2,3-Trichloropropane

Concen: 47.554 ug/l

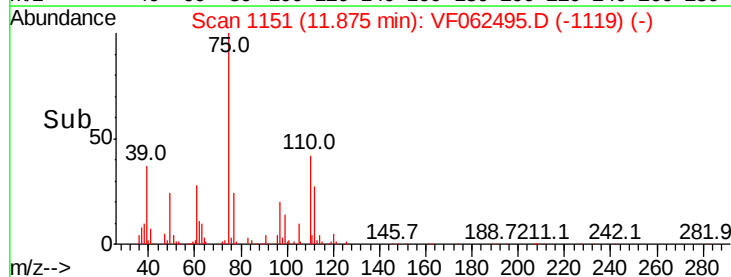
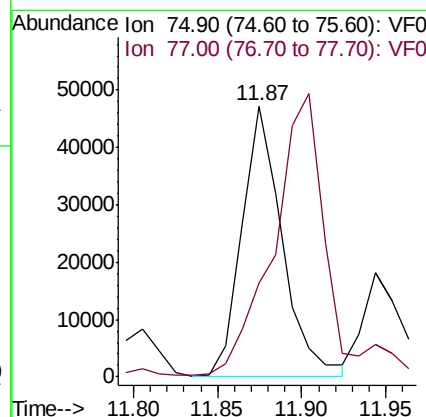
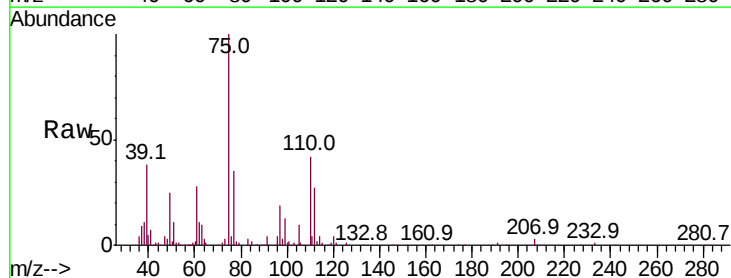
RT: 11.87 min Scan# 1151

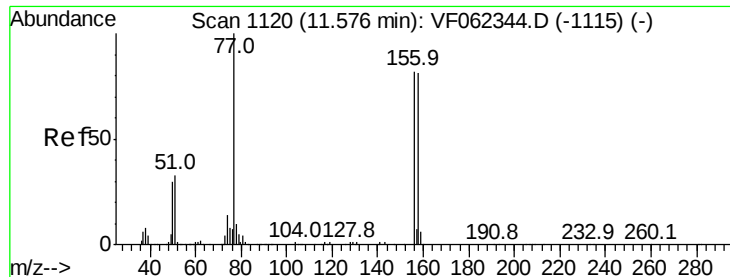
Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Tgt Ion:	75	Resp:	77964
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





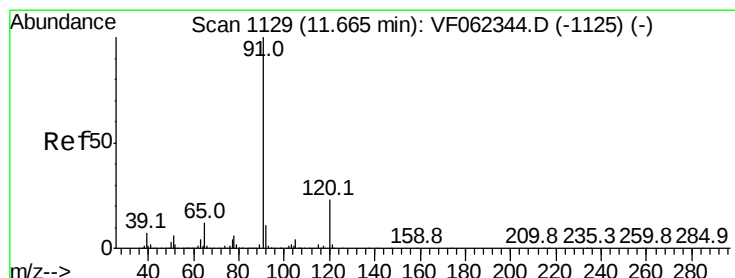
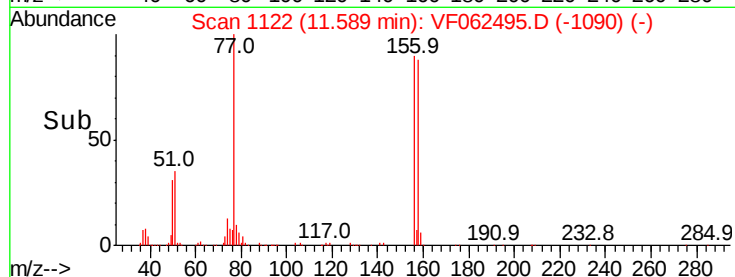
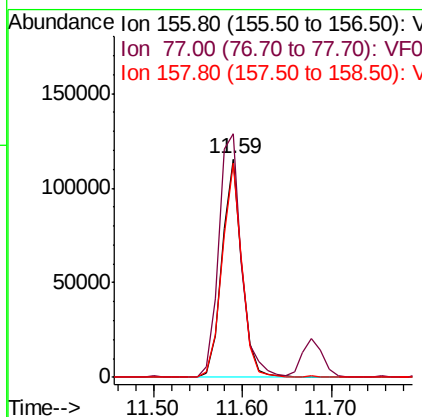
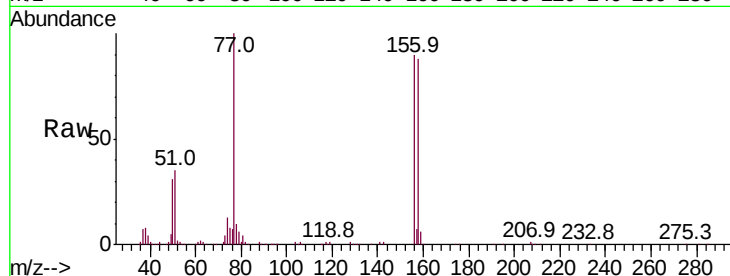
#77
Bromobenzene
Concen: 50.600 ug/l
RT: 11.59 min Scan# 1122
Delta R.T. 0.01 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	126.1	64.8	194.3
158	97.8	49.1	147.3

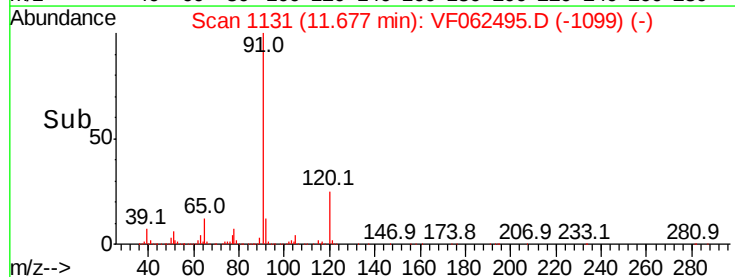
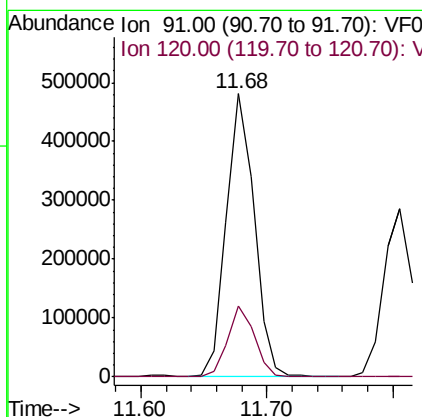
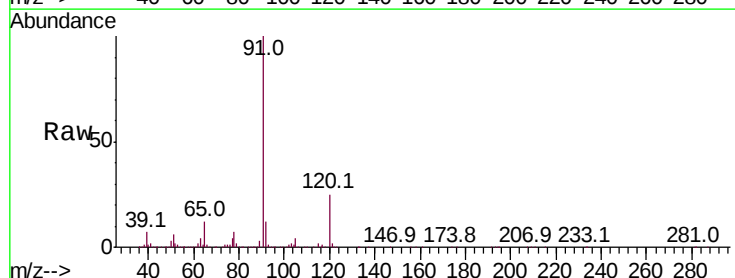
Manual Integrations
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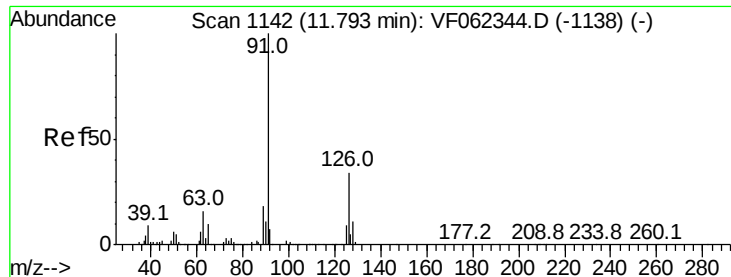
MMDadoda
5/13/2019 12:25:48 PM



#78
n-propylbenzene
Concen: 50.415 ug/l
RT: 11.68 min Scan# 1131
Delta R.T. 0.01 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.2	11.9	35.5





#79

2-Chlorotoluene

Concen: 50.429 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 458198

Ion Ratio Lower Upper

91 100

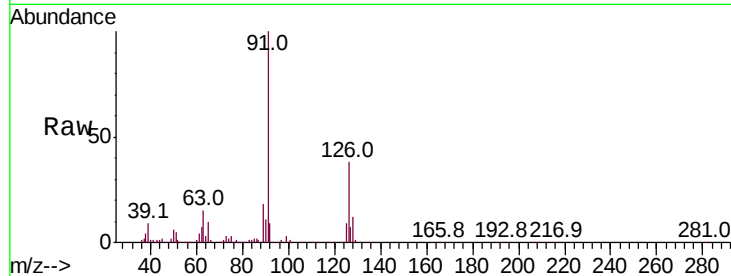
126 35.5 17.8 53.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V

11.81

300000

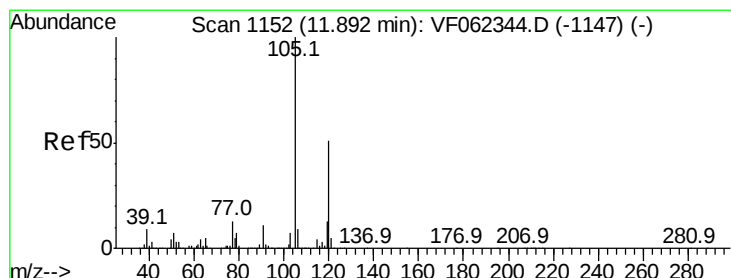
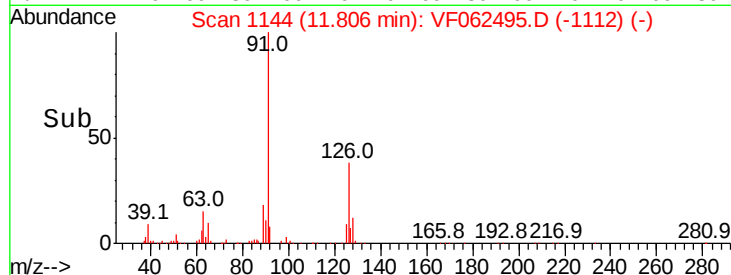
200000

100000

0

11.75 11.80 11.85 11.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.207 ug/l

RT: 11.90 min Scan# 1154

Delta R.T. 0.01 min

Lab File: VF062495.D

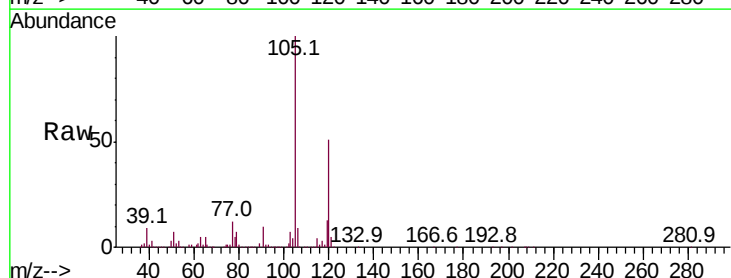
Acq: 12 May 2019 10:45

Tgt Ion:105 Resp: 591932

Ion Ratio Lower Upper

105 100

120 50.3 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.90

400000

300000

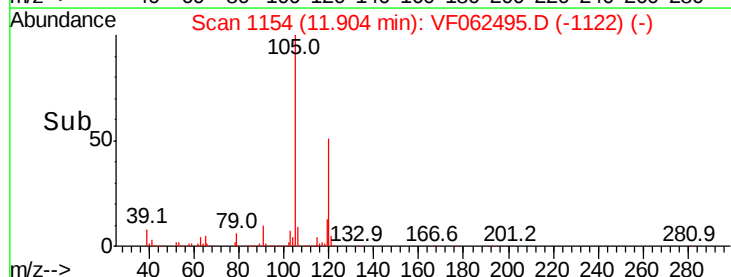
200000

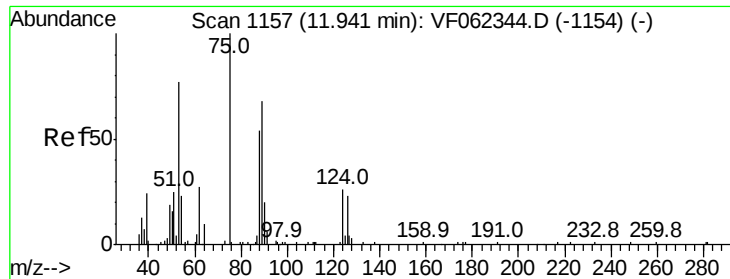
100000

0

11.80 11.90 12.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 43.592 ug/l m

RT: 11.94 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

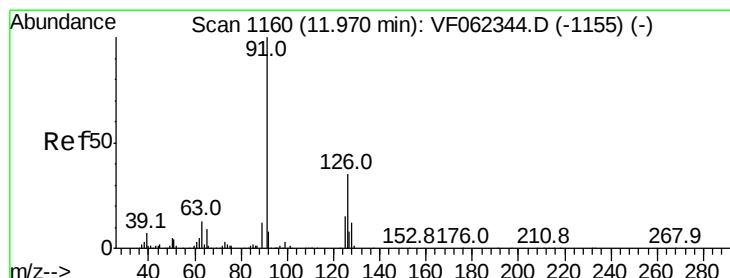
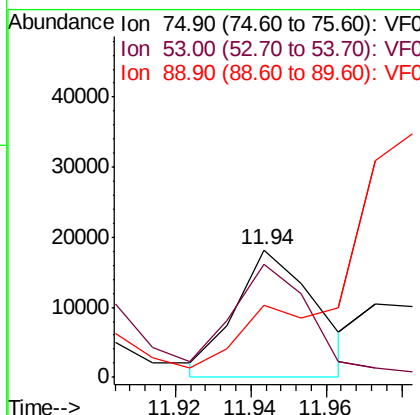
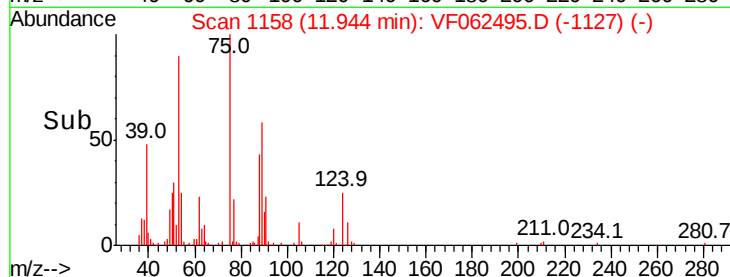
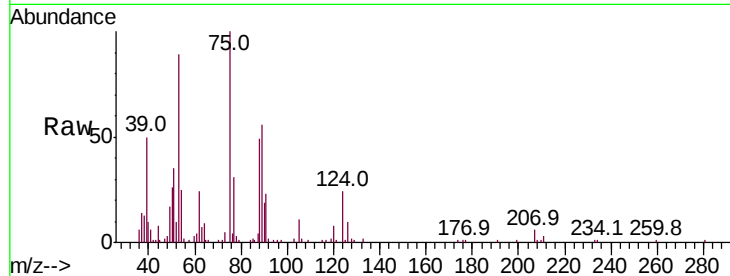
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	26864
Ion Ratio	Lower	Upper	
75	100		
53	91.4	71.9	107.9
89	0.0	0.0	0.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.781 ug/l

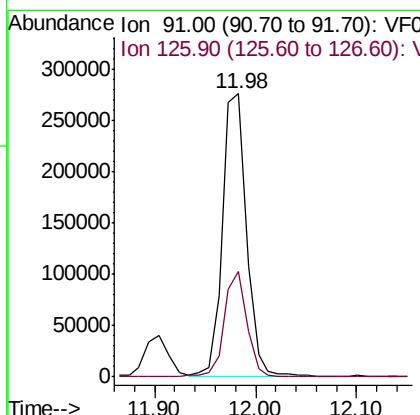
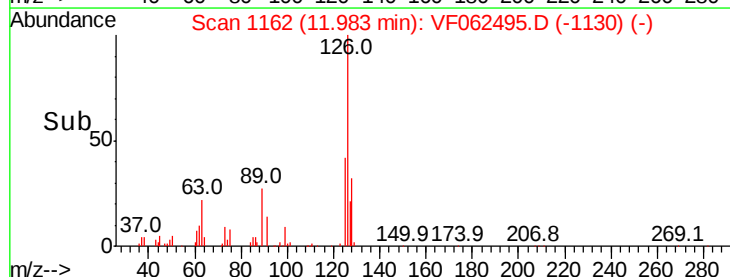
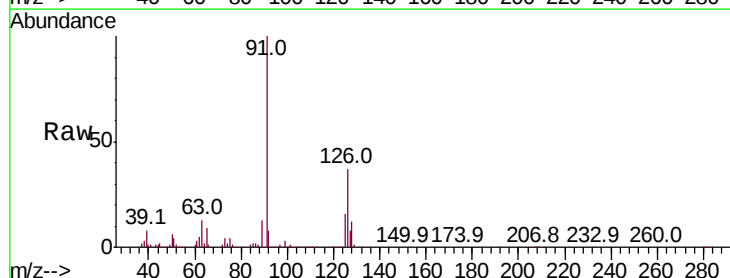
RT: 11.98 min Scan# 1162

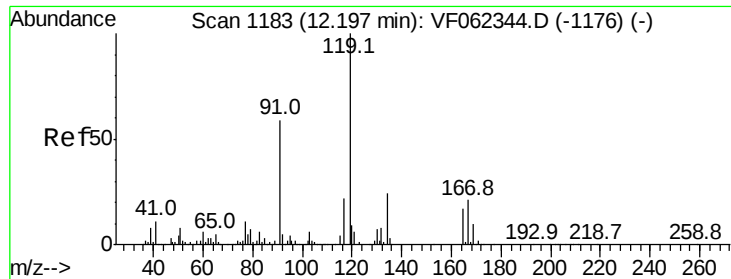
Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Tgt Ion:	91	Resp:	455708
Ion Ratio	Lower	Upper	
91	100		
126	35.7	17.7	53.1





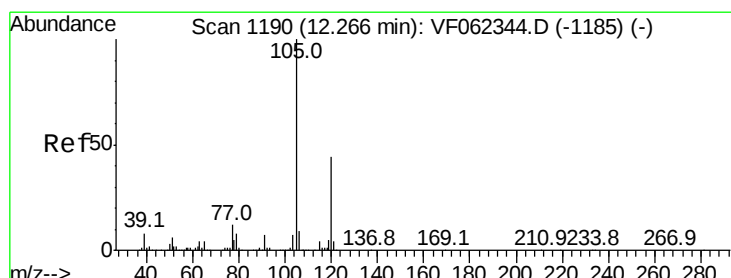
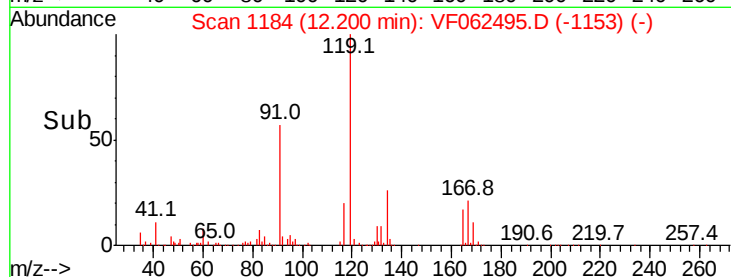
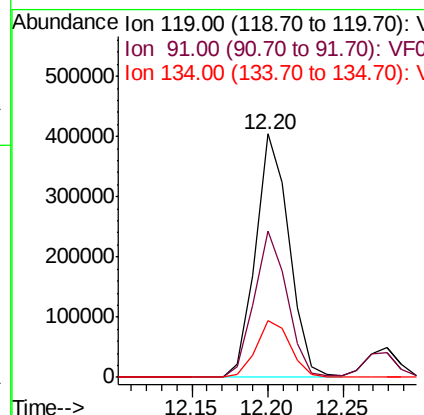
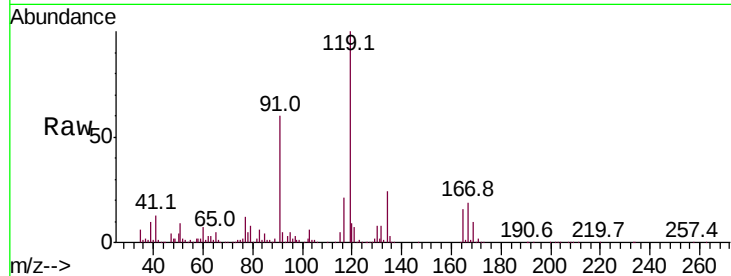
#83
 tert-Butylbenzene
 Concen: 49.615 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: VF062495.D
 Acq: 12 May 2019 10:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	627255		
91	58.7	30.4	91.3	
134	23.9	11.9	35.7	

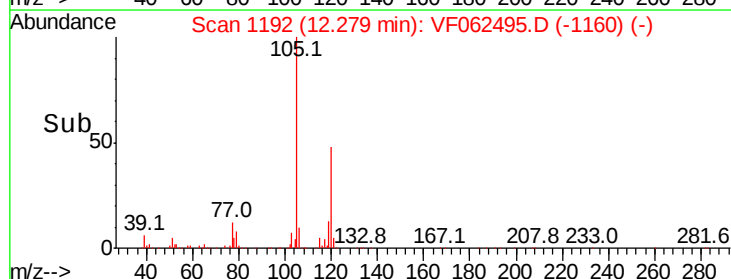
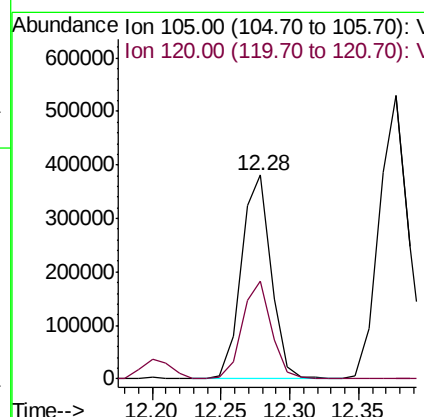
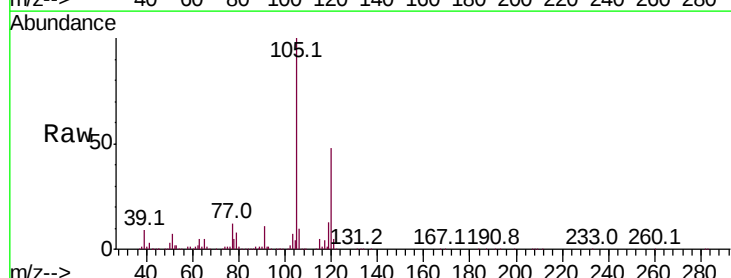
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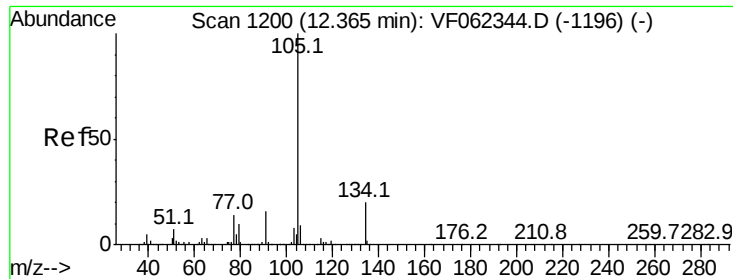
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.667 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. 0.01 min
 Lab File: VF062495.D
 Acq: 12 May 2019 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	572918		
120	46.6	22.6	67.7	





#85

sec-Butylbenzene

Concen: 50.682 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 779907

Ion Ratio Lower Upper

105 100

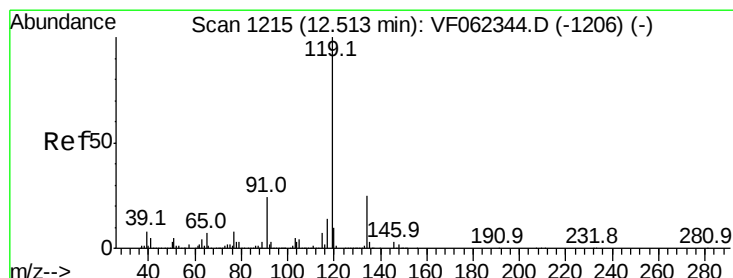
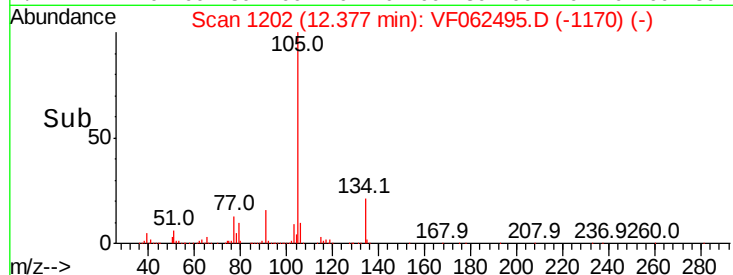
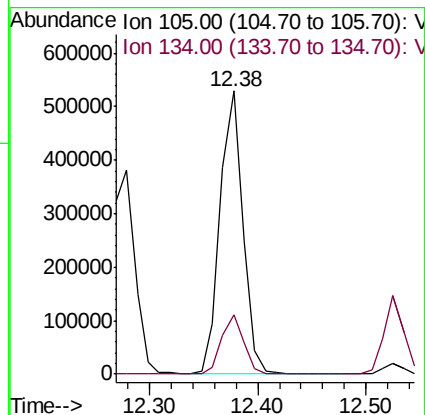
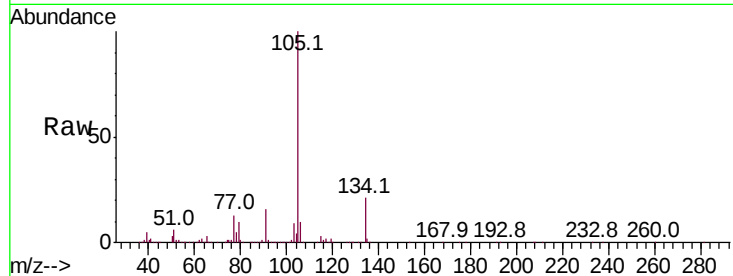
134 20.6 9.8 29.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 49.792 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

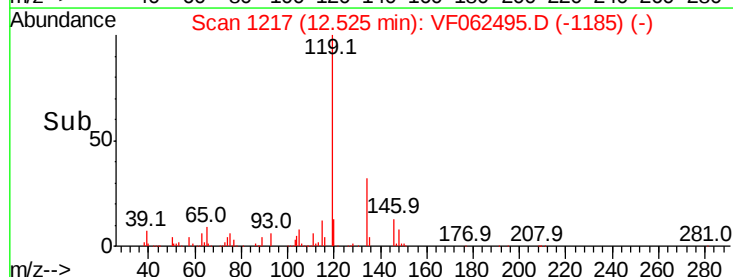
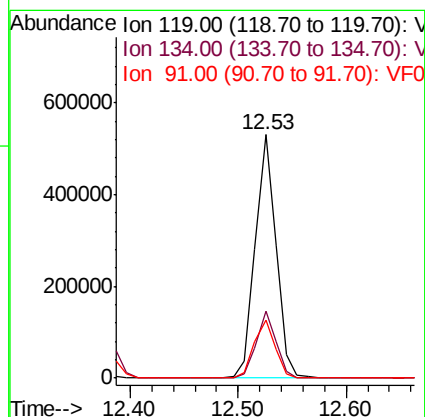
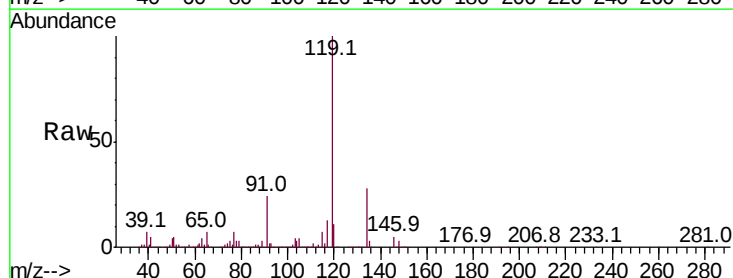
Tgt Ion:119 Resp: 711877

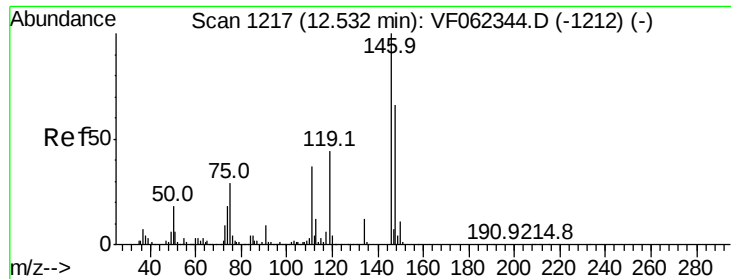
Ion Ratio Lower Upper

119 100

134 26.5 12.9 38.7

91 24.6 12.3 36.8





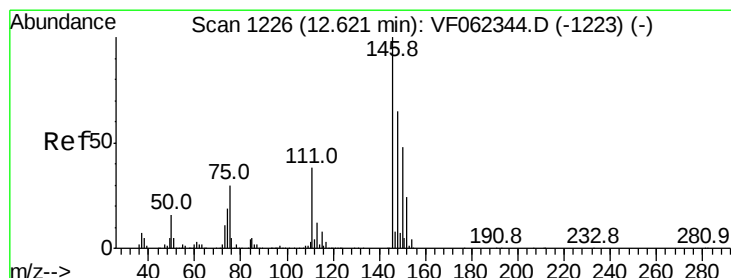
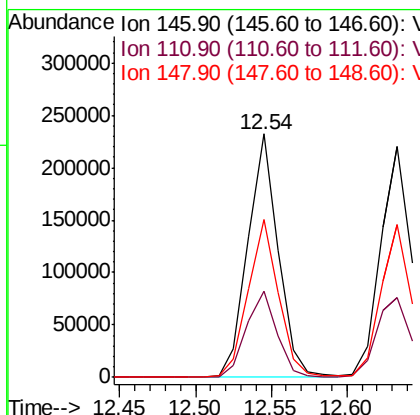
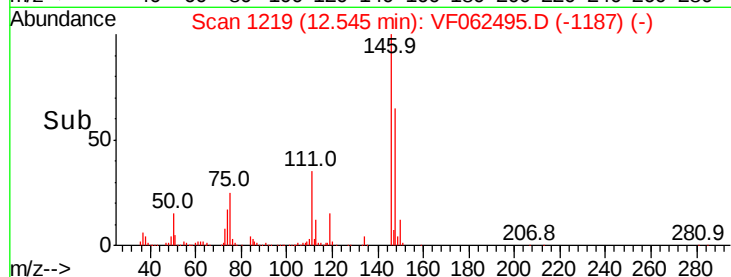
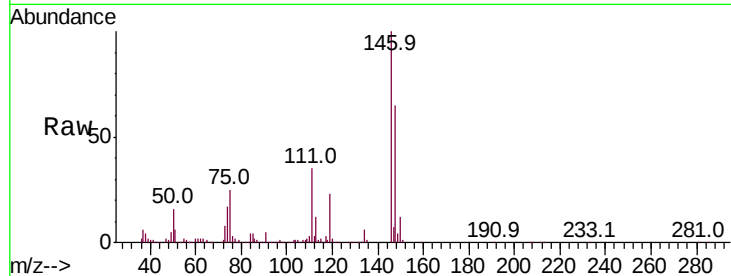
#87
 1,3-Dichlorobenzene
 Concen: 49.776 ug/l
 RT: 12.54 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VF062495.D
 Acq: 12 May 2019 10:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	327451		
111	35.9	18.3	54.8	
148	64.9	32.3	96.9	

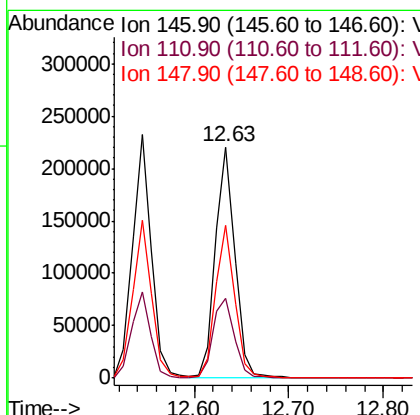
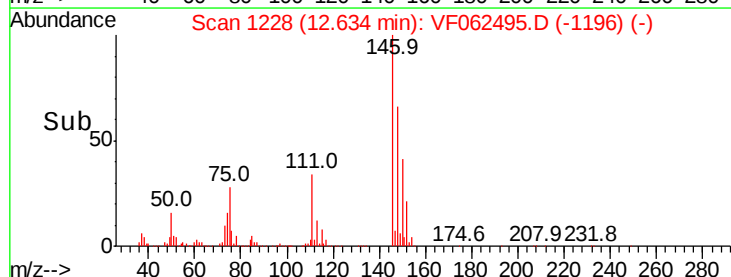
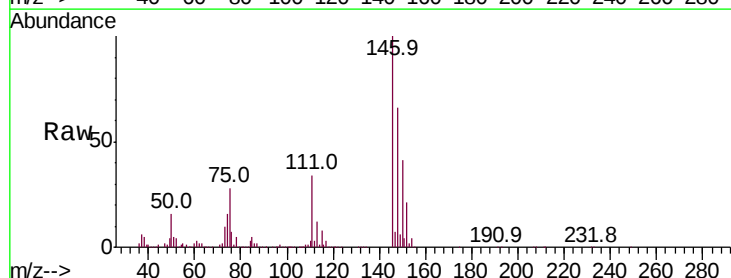
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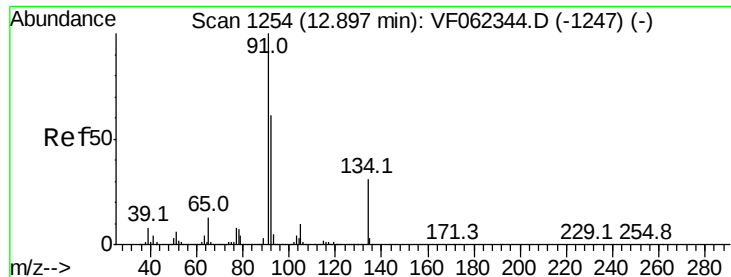
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 50.163 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VF062495.D
 Acq: 12 May 2019 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	318499		
111	38.1	18.8	56.3	
148	65.2	32.2	96.6	





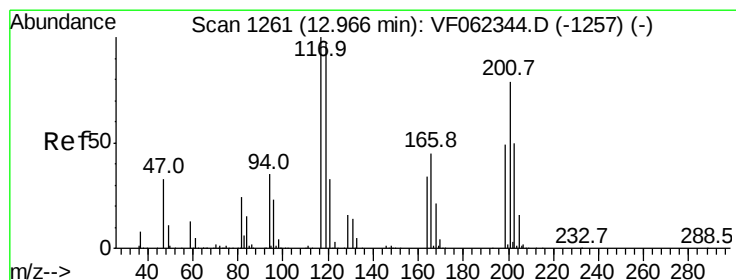
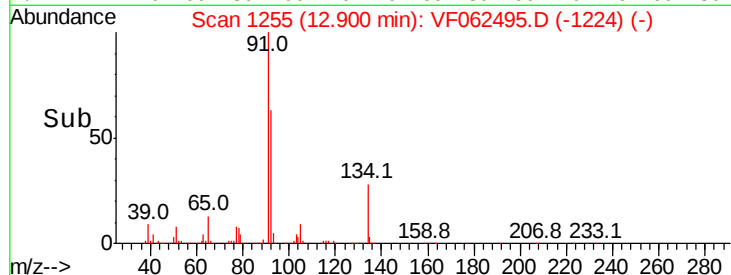
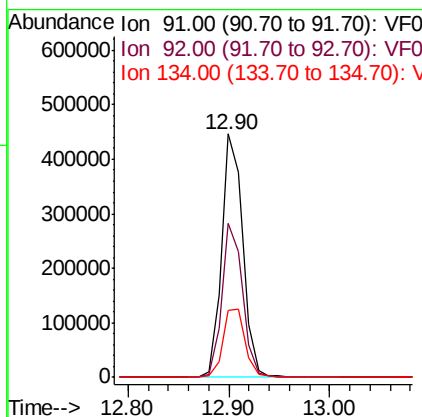
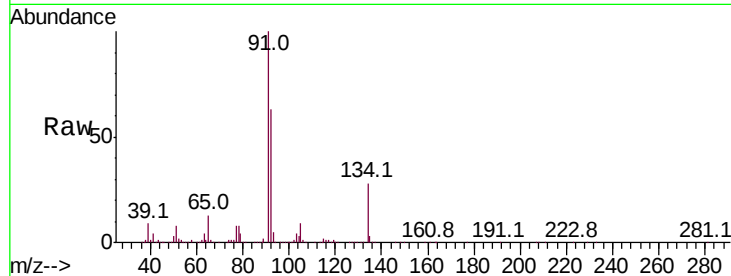
#89
n-Butylbenzene
Concen: 51.218 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	651482		
92	61.9	30.0	90.0	
134	29.7	14.1	42.4	

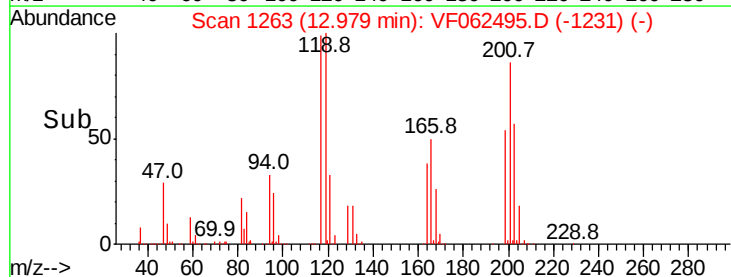
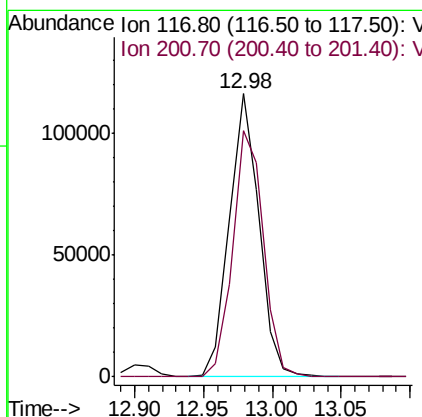
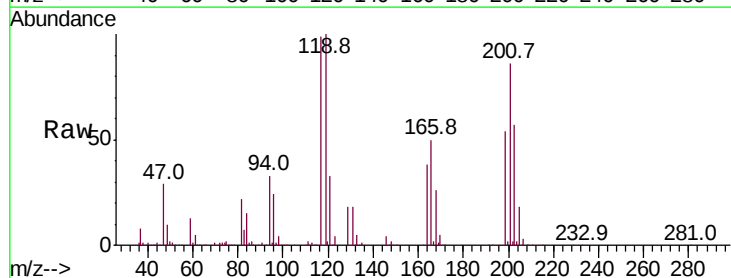
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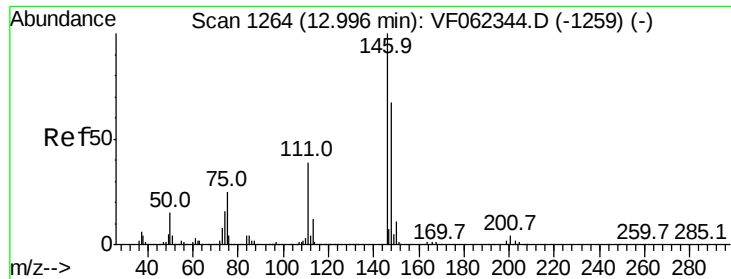
MMDadoda
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#90
Hexachloroethane
Concen: 48.745 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	174008		
201	90.8	46.2	138.5	





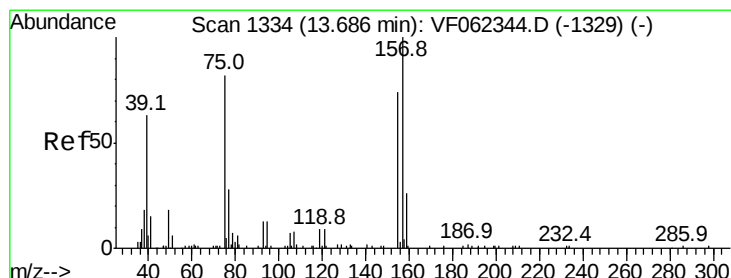
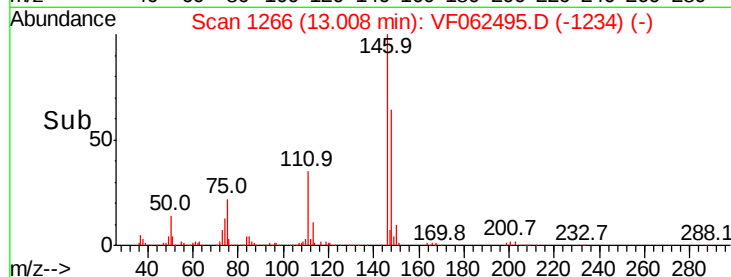
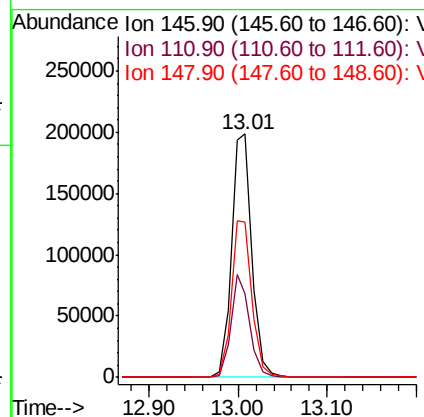
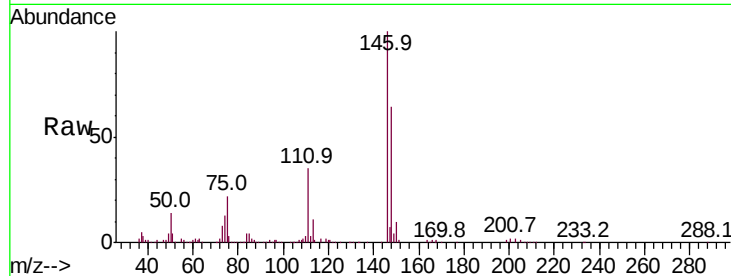
#91
 1,2-Dichlorobenzene
 Concen: 50.371 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. 0.01 min
 Lab File: VF062495.D
 Acq: 12 May 2019 10:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	38.9	20.0	60.0	
148	65.0	33.1	99.5	

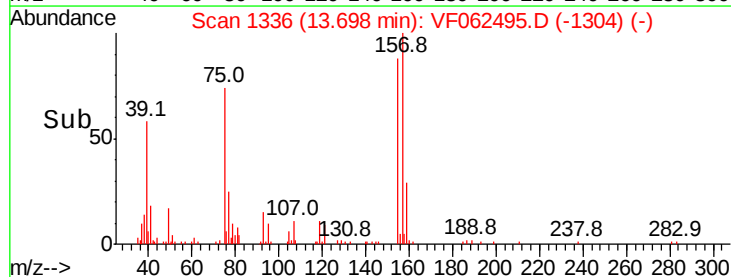
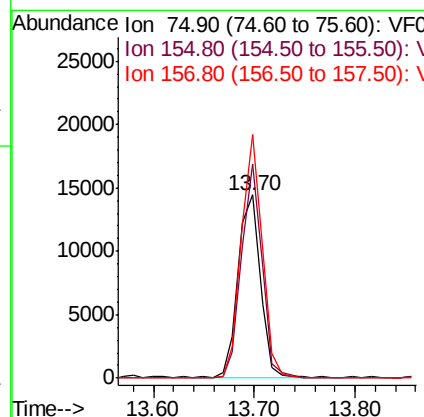
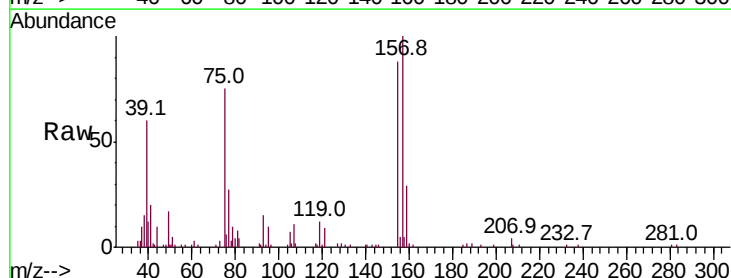
Manual Integrations
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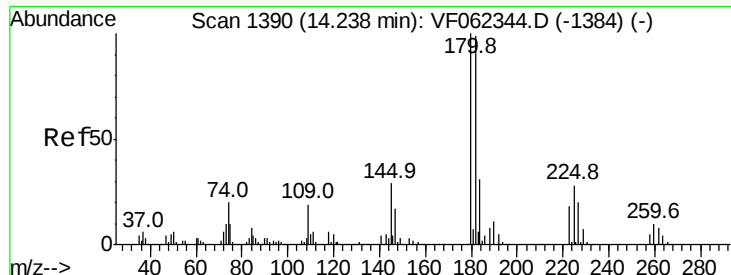
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.464 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. 0.01 min
 Lab File: VF062495.D
 Acq: 12 May 2019 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	105.8	51.8	155.4	
157	122.9	67.3	201.8	





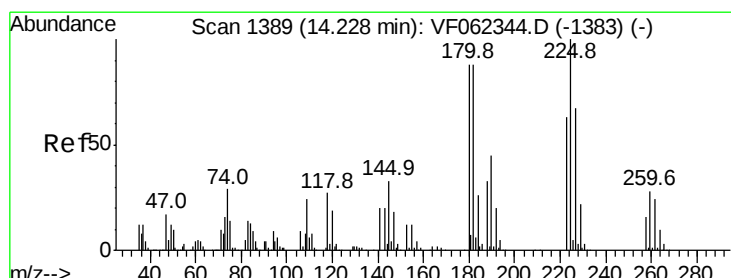
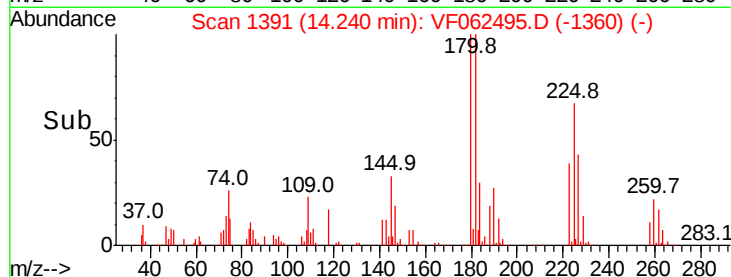
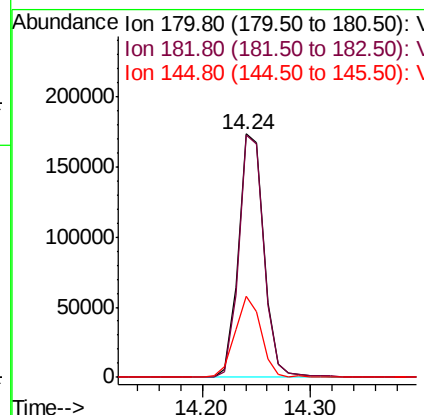
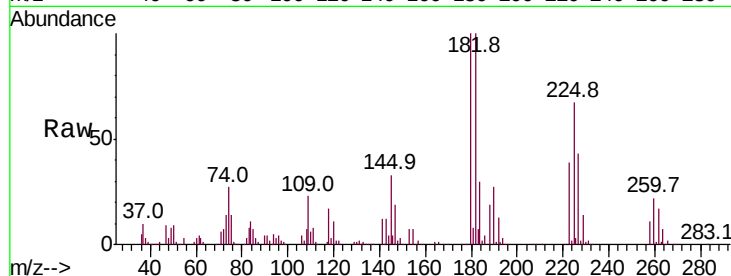
#93
 1,2,4-Trichlorobenzene
 Concen: 49.833 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF062495.D
 Acq: 12 May 2019 10:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	98.4	49.0	147.0	
145	34.1	16.7	50.1	

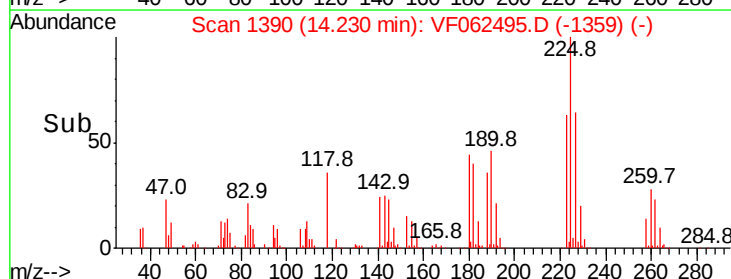
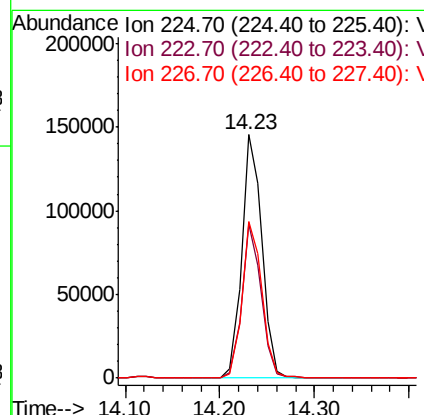
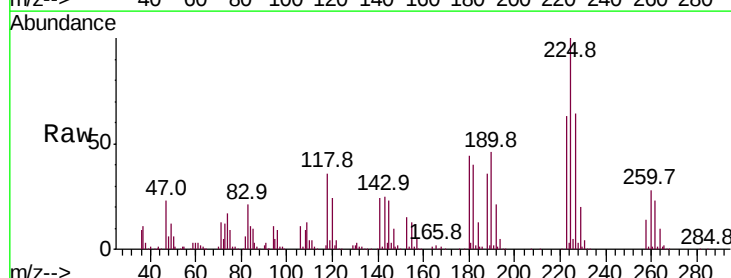
Manual Integrations
 APPROVED

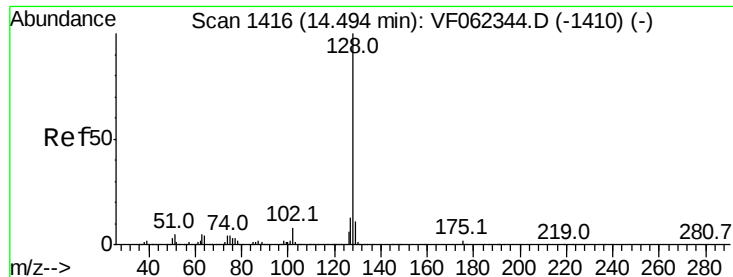
MMDadoda
 5/13/2019 12:25:48 PM



#94
 Hexachlorobutadiene
 Concen: 50.392 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062495.D
 Acq: 12 May 2019 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.8	31.9	95.5	
227	63.5	33.1	99.5	





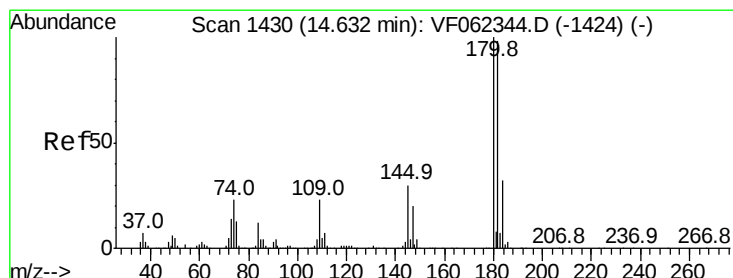
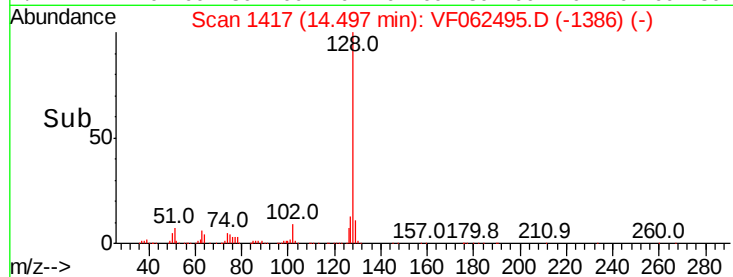
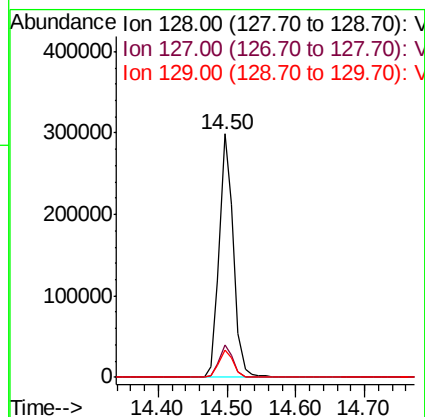
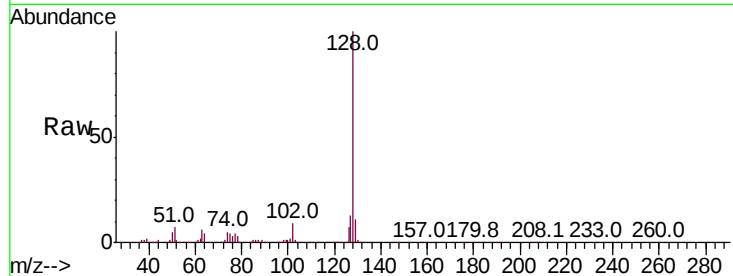
#95
Naphthalene
Concen: 49.790 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. 0.00 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	11.3	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
5/13/2019 12:25:48 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.328 ug/l
RT: 14.64 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.6	49.4	148.0
145	30.7	14.8	44.3

