

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051019\
 Data File : VF062433.D
 Acq On : 10 May 2019 21:11
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/11/2019 3:49:08 PM

Quant Time: May 11 05:46:52 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	310311	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	424790	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	361179	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	218975	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	162096	55.27	ug/l	0.02
Spiked Amount 50.000			Recovery	=	110.54%	
35) Dibromofluoromethane	4.31	113	184317	54.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.92%	
50) Toluene-d8	7.72	98	425306	51.92	ug/l	0.02
Spiked Amount 50.000			Recovery	=	103.84%	
62) 4-Bromofluorobenzene	11.50	95	188029	50.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.74%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.01	85	164441	45.788	ug/l	94
3) Chloromethane	1.16	50	106778	45.081	ug/l	96
4) Vinyl Chloride	1.20	62	110421	46.738	ug/l	90
5) Bromomethane	1.41	94	95204	53.585	ug/l	96
6) Chloroethane	1.45	64	59463	50.062	ug/l	100
7) Trichlorofluoromethane	1.57	101	269574m	54.994	ug/l	
8) Diethyl Ether	1.72	74	37734	50.875	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.91	101	148197	52.955	ug/l	97
10) Methyl Iodide	1.99	142	249511	54.102	ug/l	99
11) Tert butyl alcohol	2.70	59	35284	212.887	ug/l	99
12) 1,1-Dichloroethene	1.88	96	119217	50.109	ug/l	96
13) Acrolein	2.10	56	19537	185.232	ug/l	88
14) Allyl chloride	2.20	41	134152	63.833	ug/l	98
15) Acrylonitrile	3.10	53	85281	271.634	ug/l	94
16) Acetone	2.35	43	137938	232.518	ug/l	96
17) Carbon Disulfide	1.93	76	243544	46.948	ug/l #	94
18) Methyl Acetate	2.47	43	51184	47.131	ug/l	99
19) Methyl tert-butyl Ether	2.56	73	253668	51.652	ug/l	95
20) Methylene Chloride	2.35	84	108506m	50.554	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	110858	48.907	ug/l	99
22) Diisopropyl ether	2.94	45	341576	52.003	ug/l	98
23) Vinyl Acetate	3.35	43	730696	249.599	ug/l	98
24) 1,1-Dichloroethane	3.02	63	217813	54.867	ug/l	99
25) 2-Butanone	4.54	43	186280	249.940	ug/l	98
26) 2,2-Dichloropropane	3.79	77	120584	54.393	ug/l	98
27) cis-1,2-Dichloroethene	3.65	96	150953	53.276	ug/l	98
28) Bromochloromethane	3.91	49	103078	57.253	ug/l	96
29) Tetrahydrofuran	4.28	42	75904	221.594	ug/l	98
30) Chloroform	4.05	83	299590	55.860	ug/l	95
31) Cyclohexane	3.88	56	155764	49.158	ug/l	98
32) 1,1,1-Trichloroethane	4.30	97	259167	56.382	ug/l	94
36) 1,1-Dichloropropene	4.48	75	187317	51.332	ug/l	98
37) Ethyl Acetate	4.31	43	72767	51.351	ug/l #	100
38) Carbon Tetrachloride	4.19	117	218250	58.113	ug/l	95

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Manual Integrations
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 5/11/2019 3:49:08 PM

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 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)
39) Methylcyclohexane	5.64	83	186938	51.080	ug/l	96
40) Benzene	4.83	78	405278	50.436	ug/l	96
41) Methacrylonitrile	4.94	41	38488	43.987	ug/l #	36
42) 1,2-Dichloroethane	5.14	62	179715	53.475	ug/l	99
43) Isopropyl Acetate	7.12	43	79393	47.833	ug/l #	97
44) Trichloroethene	5.69	130	160147	54.253	ug/l	98
45) 1,2-Dichloropropane	6.41	63	95660	52.558	ug/l	95
46) Dibromomethane	6.27	93	81650	54.106	ug/l	96
47) Bromodichloromethane	6.56	83	208410	55.239	ug/l	95
48) Methyl methacrylate	6.88	41	58050	49.490	ug/l	97
49) 1,4-Dioxane	6.87	88	9632	795.764	ug/l #	87
51) 4-Methyl-2-Pentanone	8.41	43	313804	249.507	ug/l	98
52) Toluene	7.78	92	252142	50.864	ug/l	97
53) t-1,3-Dichloropropene	8.43	75	144324	50.577	ug/l	97
54) cis-1,3-Dichloropropene	7.46	75	172078	51.814	ug/l	95
55) 1,1,2-Trichloroethane	8.64	97	84519	53.708	ug/l	90
56) Ethyl methacrylate	8.76	69	83827	50.463	ug/l	95
57) 1,3-Dichloropropane	9.00	76	126242	53.109	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.45	63	111463	223.185	ug/l	100
59) 2-Hexanone	9.62	43	209301	240.624	ug/l	97
60) Dibromochloromethane	8.86	129	142387	55.322	ug/l	99
61) 1,2-Dibromoethane	9.14	107	95934	51.869	ug/l	99
64) Tetrachloroethene	8.31	164	148689	50.710	ug/l	99
65) Chlorobenzene	9.94	112	320468	53.626	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	162103	53.771	ug/l	96
67) Ethyl Benzene	10.04	91	544597	52.043	ug/l	98
68) m/p-Xylenes	10.26	106	404854	104.858	ug/l	99
69) o-Xylene	10.83	106	223436	53.555	ug/l	99
70) Styrene	10.89	104	320657	51.283	ug/l	98
71) Bromoform	10.88	173	80190	48.553	ug/l	95
73) Isopropylbenzene	11.22	105	696843	53.679	ug/l	100
74) N-amyl acetate	11.45	43	133257	47.814	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.77	83	102028	50.196	ug/l	97
76) 1,2,3-Trichloropropane	11.87	75	75985	48.999	ug/l #	100
77) Bromobenzene	11.58	156	180458	52.967	ug/l	99
78) n-propylbenzene	11.67	91	717312	51.900	ug/l	100
79) 2-Chlorotoluene	11.80	91	445856	51.879	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	600272	52.756	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	24750m	42.460	ug/l	
82) 4-Chlorotoluene	11.97	91	446944	52.655	ug/l	100
83) tert-Butylbenzene	12.20	119	615862	51.502	ug/l	100
84) 1,2,4-Trimethylbenzene	12.27	105	580503	52.133	ug/l	99
85) sec-Butylbenzene	12.37	105	766326	52.650	ug/l	99
86) p-Isopropyltoluene	12.52	119	711124	52.586	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	322562	51.839	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	317961	52.944	ug/l	99
89) n-Butylbenzene	12.90	91	633878	52.686	ug/l	99
90) Hexachloroethane	12.97	117	174409	51.653	ug/l	98
91) 1,2-Dichlorobenzene	13.00	146	308671	51.251	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.69	75	23092	50.711	ug/l	94

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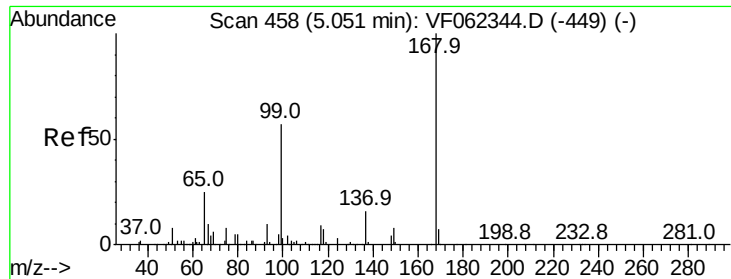
Manual Integrations
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5/11/2019 3:49:08 PM

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Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	14.24	180	286465	53.028	µg/l	99
94) Hexachlorobutadiene	14.23	225	219722	54.571	µg/l	97
95) Naphthalene	14.49	128	433317	53.354	µg/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	279727	53.449	µg/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 310311

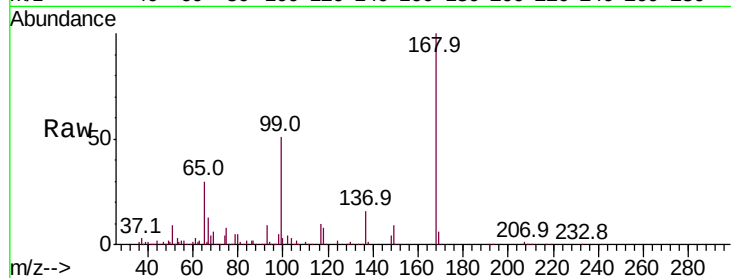
Ion Ratio Lower Upper

168 100

99 51.2 45.9 68.9

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Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.06

120000

100000

80000

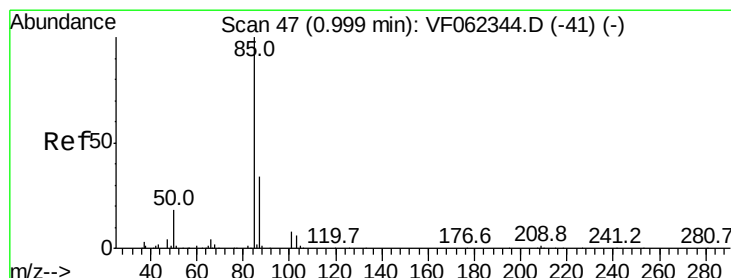
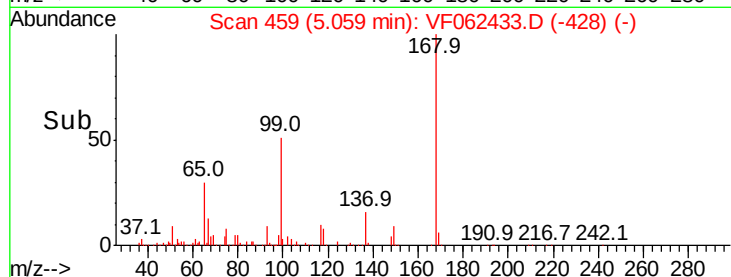
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.788 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF062433.D

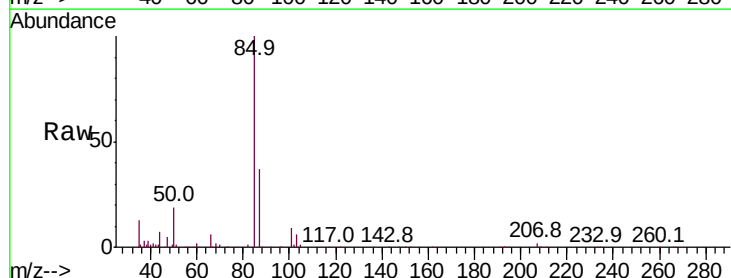
Acq: 10 May 2019 21:11

Tgt Ion: 85 Resp: 164441

Ion Ratio Lower Upper

85 100

87 37.2 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

50000

40000

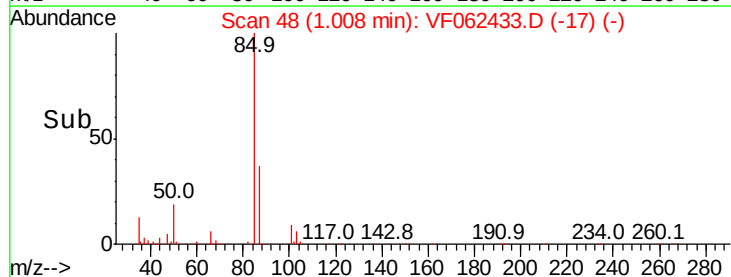
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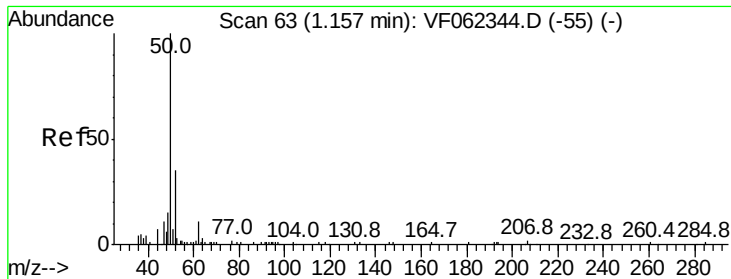
20000

10000

0

Time-->





#3

Chloromethane

Concen: 45.081 ug/l

RT: 1.16 min Scan# 63

Delta R.T. -0.00 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 106778

Ion Ratio Lower Upper

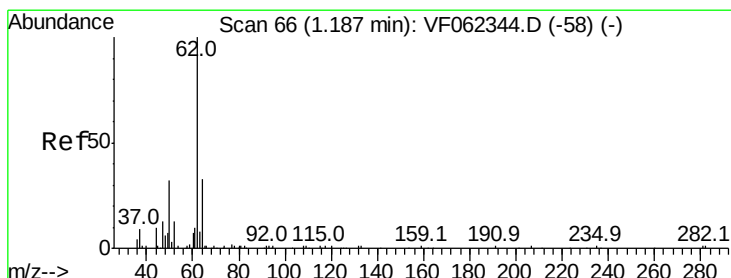
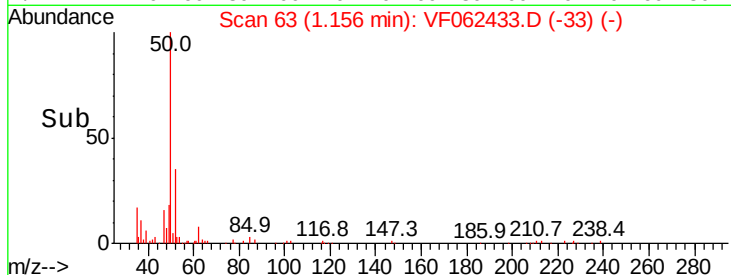
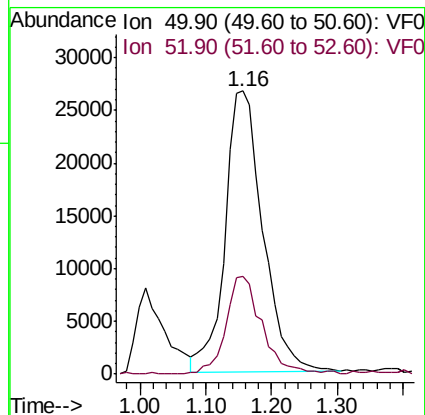
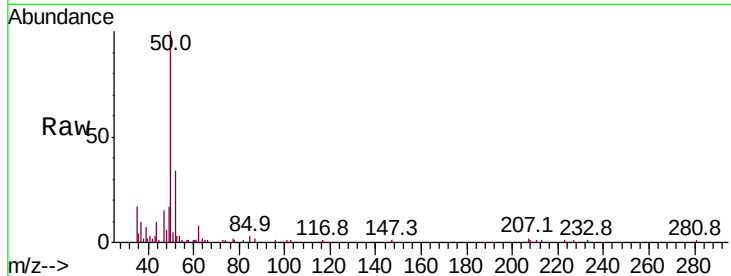
50 100

52 34.9 26.1 39.1

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#4

Vinyl Chloride

Concen: 46.738 ug/l

RT: 1.20 min Scan# 67

Delta R.T. 0.01 min

Lab File: VF062433.D

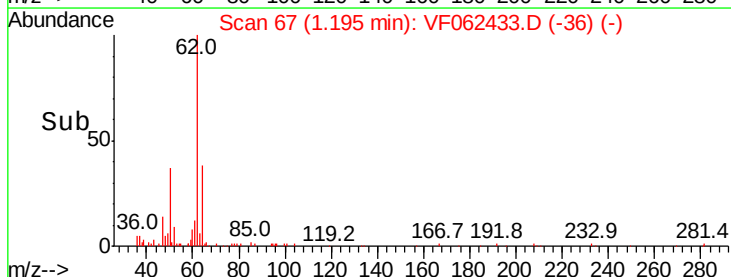
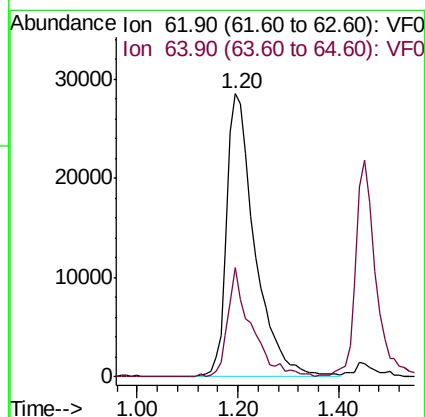
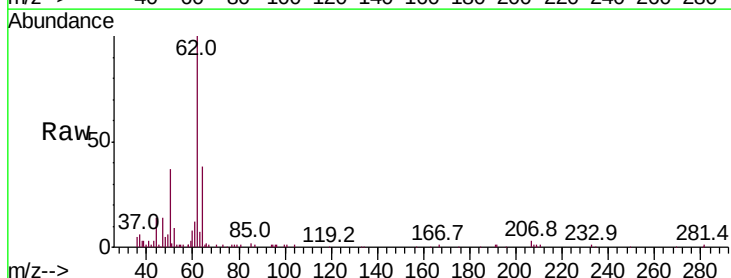
Acq: 10 May 2019 21:11

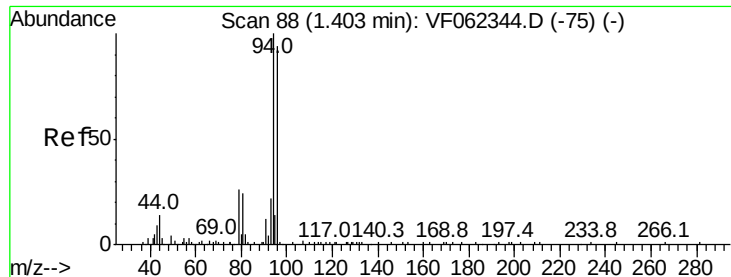
Tgt Ion: 62 Resp: 110421

Ion Ratio Lower Upper

62 100

64 38.4 26.1 39.1





#5

Bromomethane

Concen: 53.585 ug/l

RT: 1.41 min Scan# 89

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 95204

Ion Ratio Lower Upper

94 100

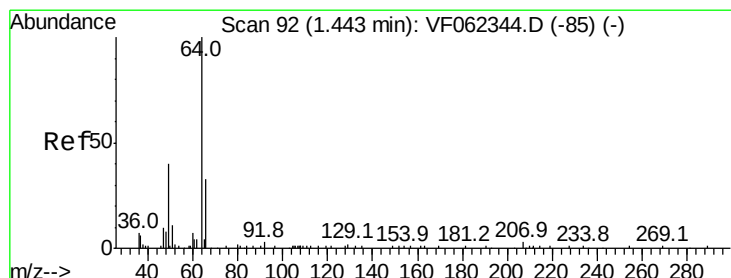
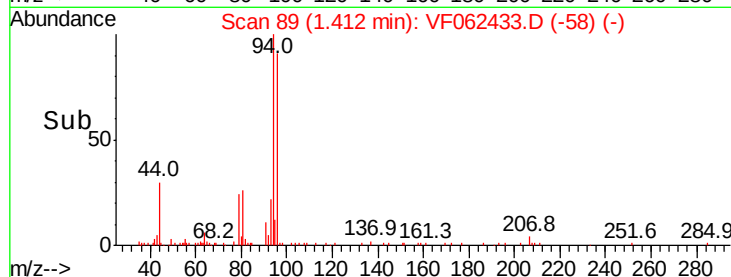
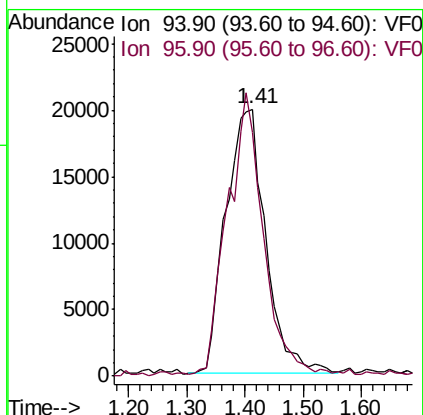
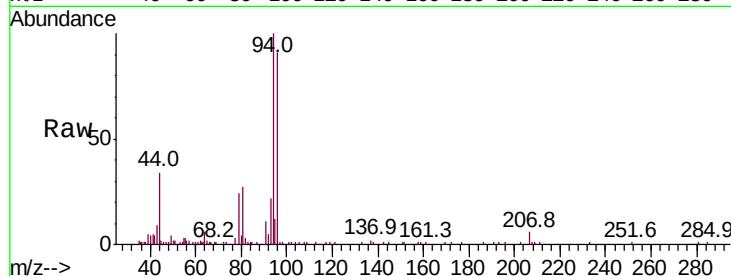
96 90.7 75.4 113.2

Manual Integrations

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#6

Chloroethane

Concen: 50.062 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.01 min

Lab File: VF062433.D

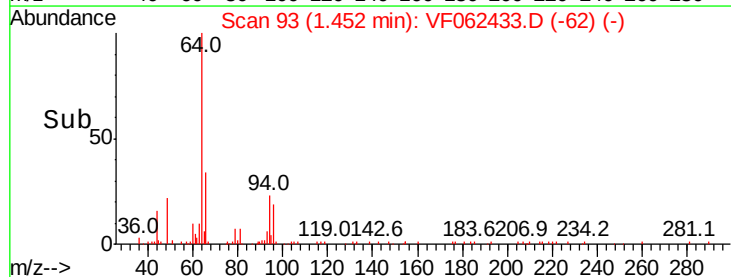
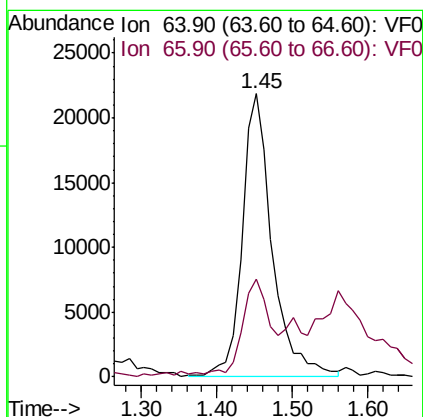
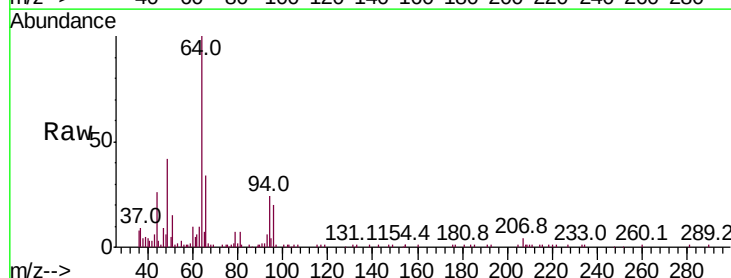
Acq: 10 May 2019 21:11

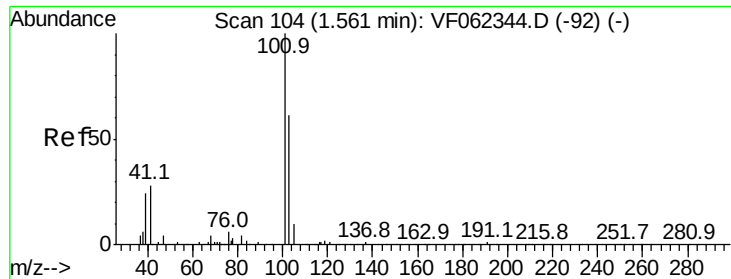
Tgt Ion: 64 Resp: 59463

Ion Ratio Lower Upper

64 100

66 33.5 26.6 39.8





#7

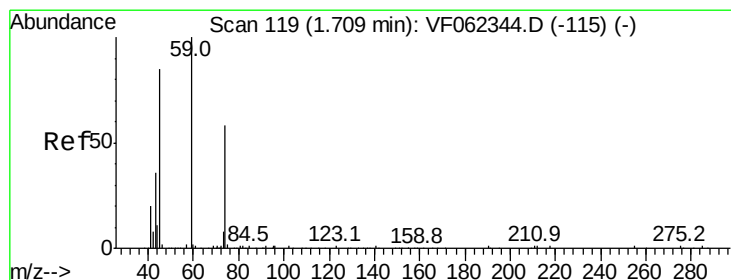
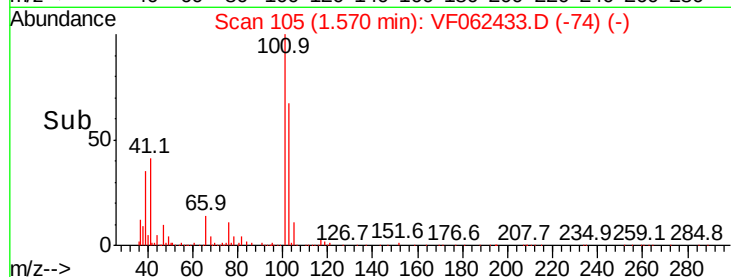
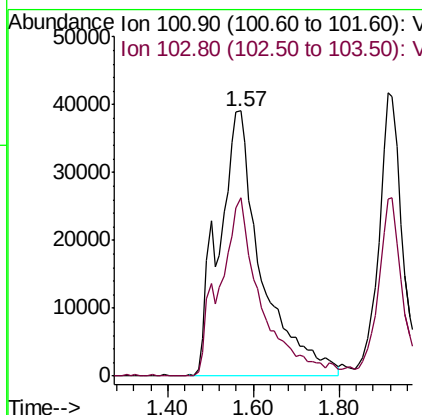
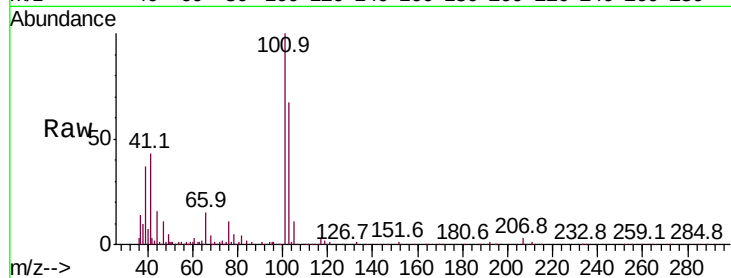
Trichlorofluoromethane
Concen: 54.994 ug/l m
RT: 1.57 min Scan# 105
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

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VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	269574		
103	67.1	48.5	72.7	

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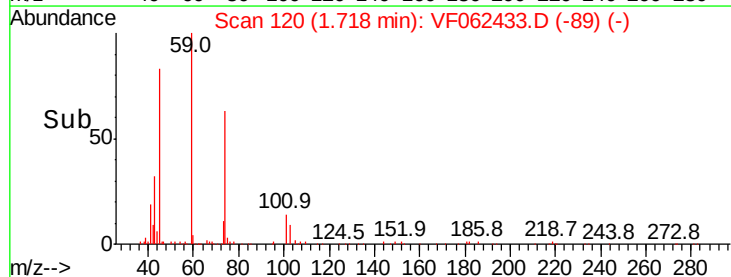
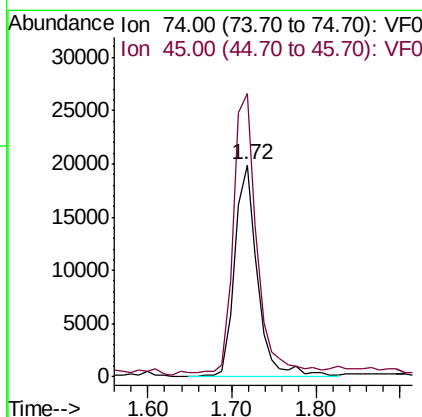
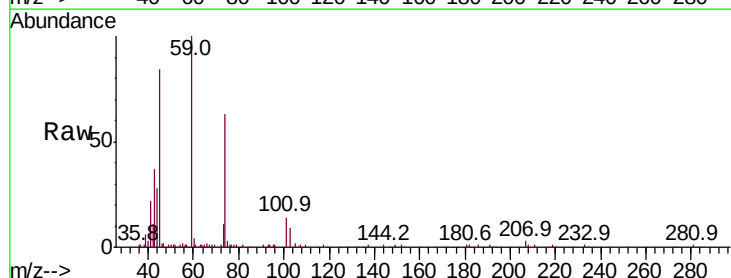
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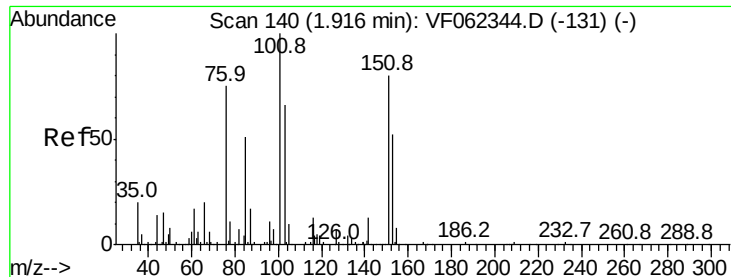


#8

Diethyl Ether
Concen: 50.875 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	37734		
45	139.2	73.9	221.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.955 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

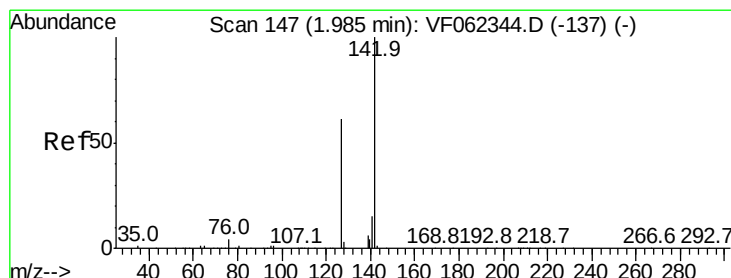
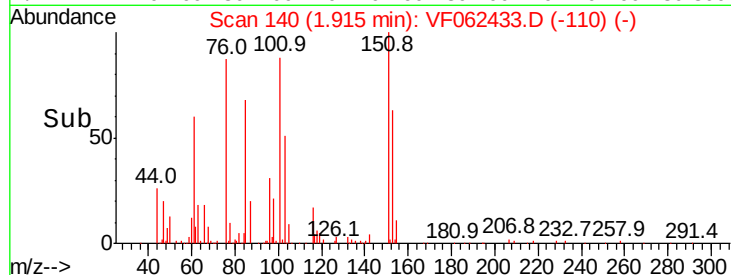
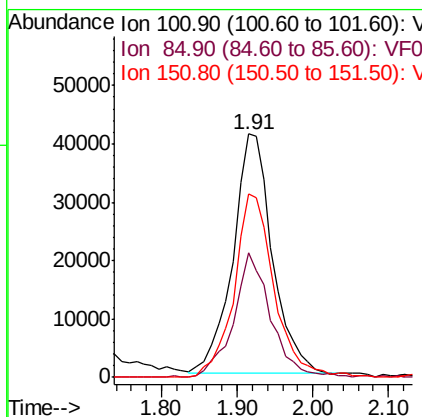
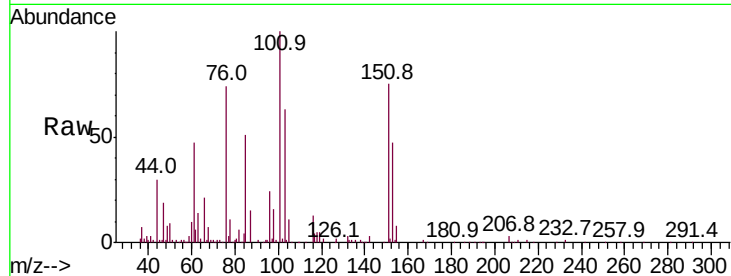
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	148197
Ion Ratio	Lower	Upper	
101	100		
85	49.1	39.5	59.3
151	78.2	59.9	89.9

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#10

Methyl Iodide

Concen: 54.102 ug/l

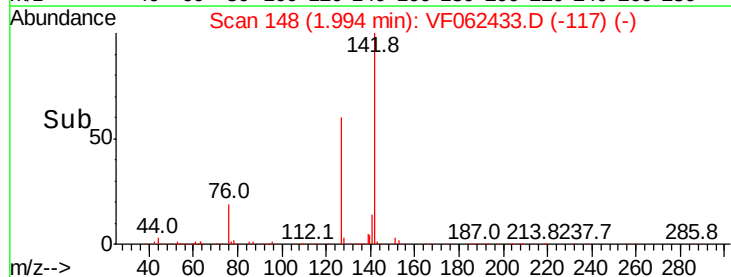
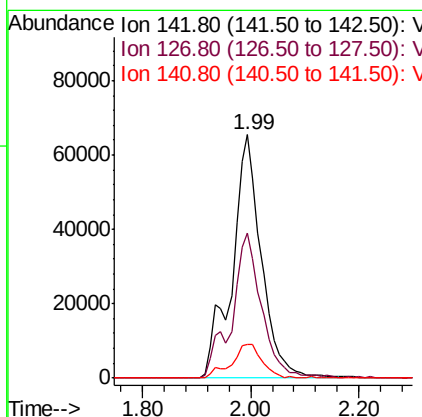
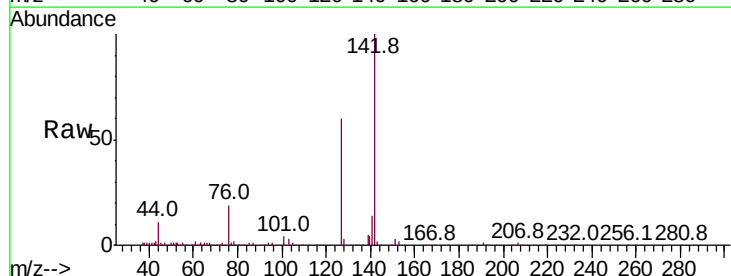
RT: 1.99 min Scan# 148

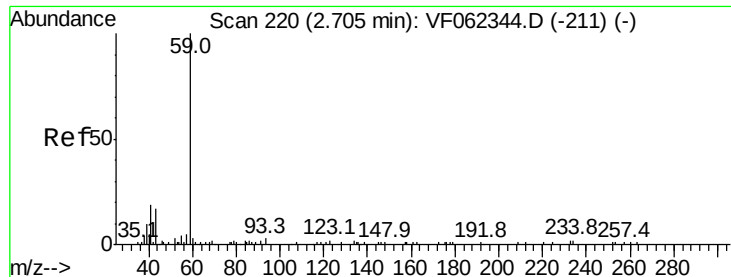
Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Tgt Ion:	142	Resp:	249511
Ion Ratio	Lower	Upper	
142	100		
127	60.9	48.4	72.6
141	14.6	12.2	18.4





#11

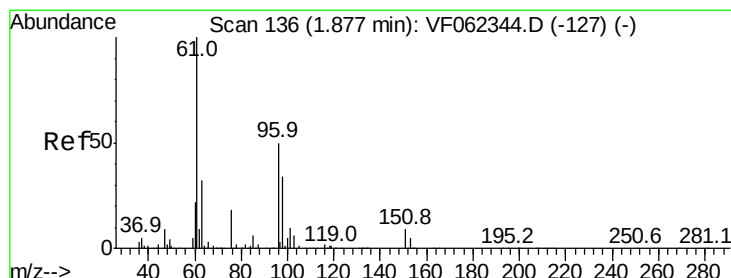
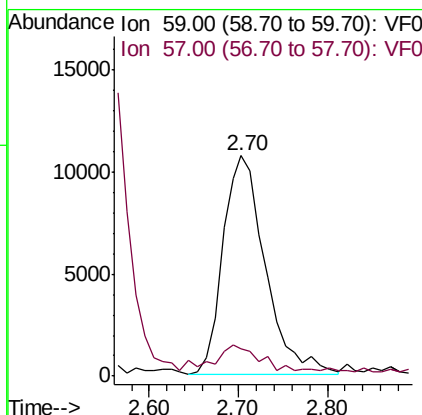
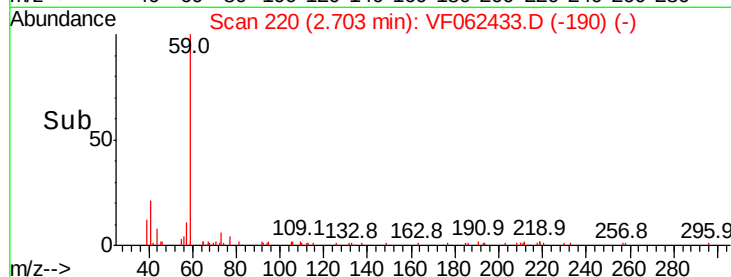
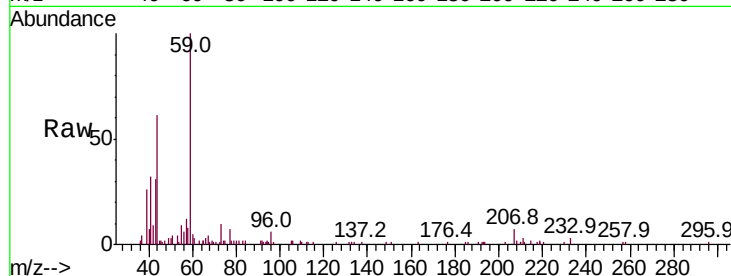
Tert butyl alcohol
Concen: 212.887 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.00 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.9	9.3	13.9

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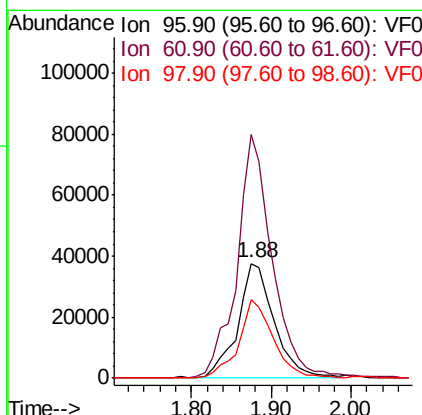
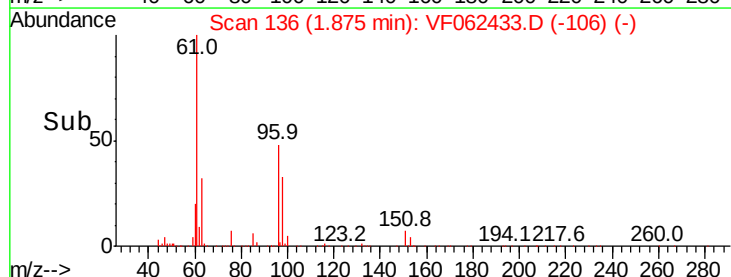
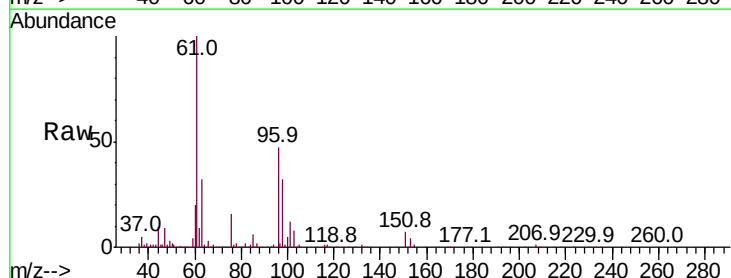
MMDadoda
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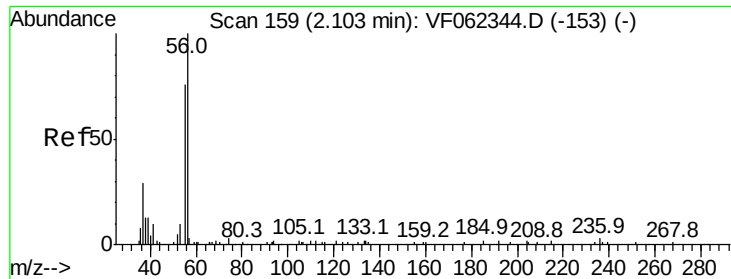


#12

1,1-Dichloroethene
Concen: 50.109 ug/l
RT: 1.88 min Scan# 136
Delta R.T. -0.00 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	211.7	163.2	244.8
98	68.3	55.2	82.8





#13

Acrolein

Concen: 185.232 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.00 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 19537

Ion Ratio Lower Upper

56 100

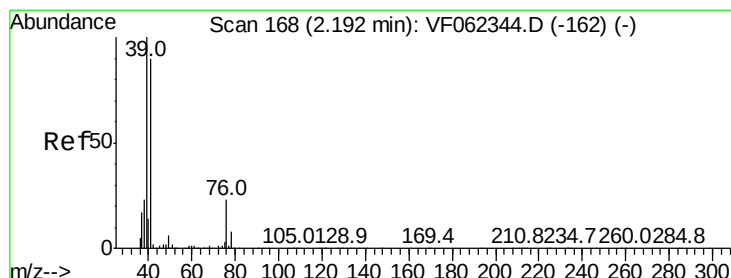
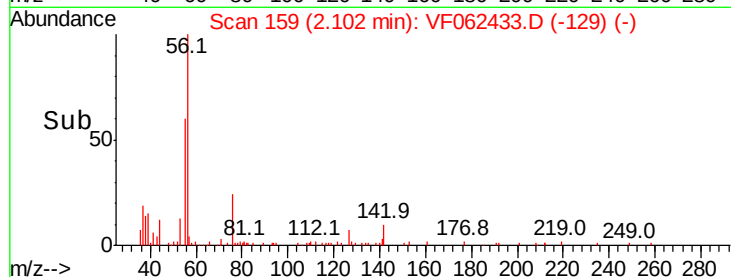
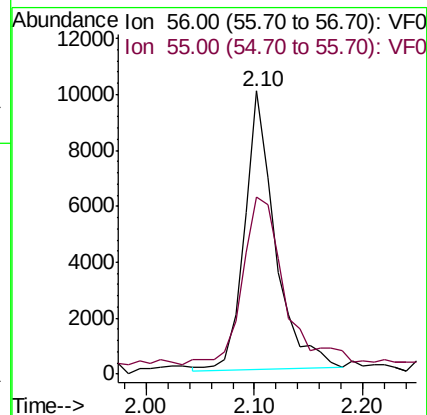
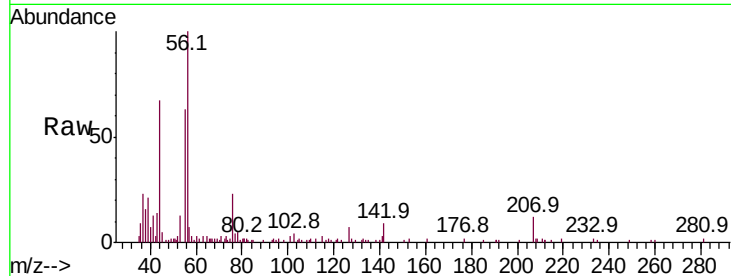
55 83.3 58.4 87.6

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#14

Allyl chloride

Concen: 63.833 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

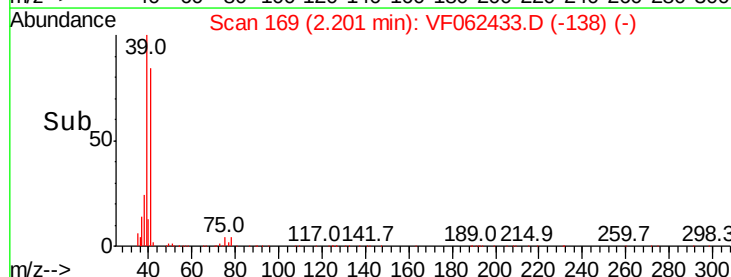
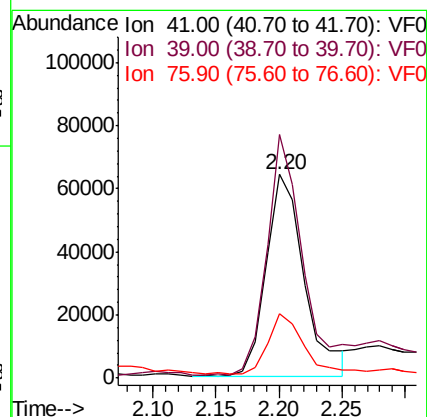
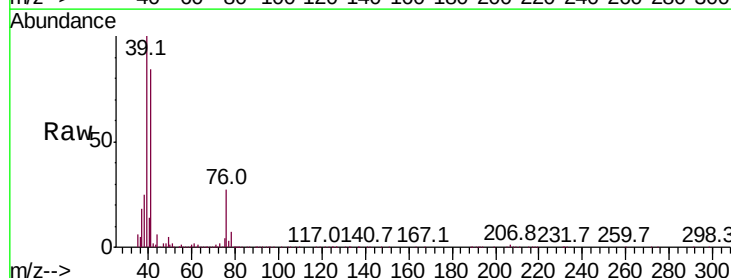
Tgt Ion: 41 Resp: 134152

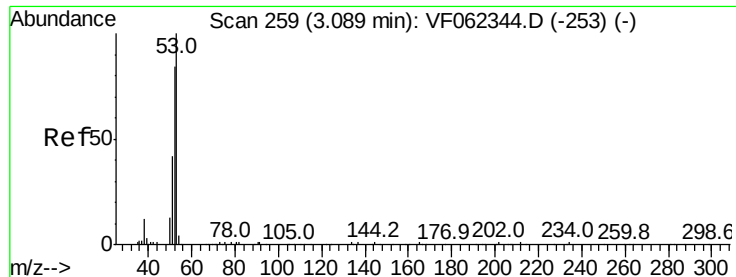
Ion Ratio Lower Upper

41 100

39 116.4 90.8 136.2

76 27.8 22.2 33.4





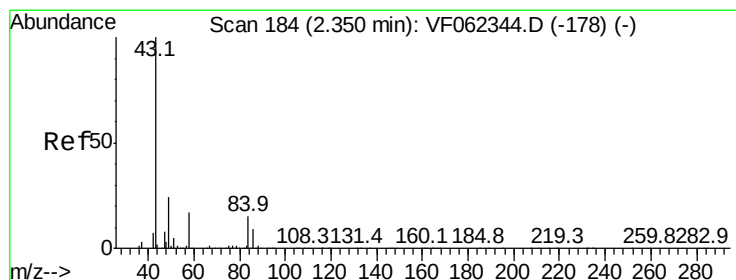
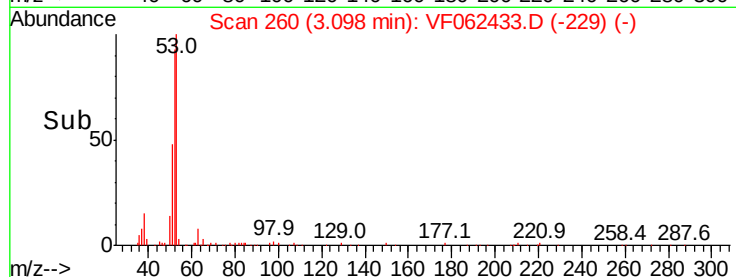
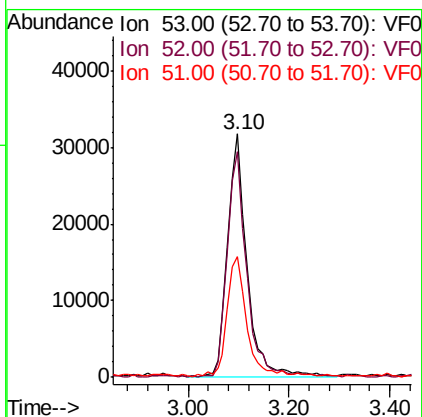
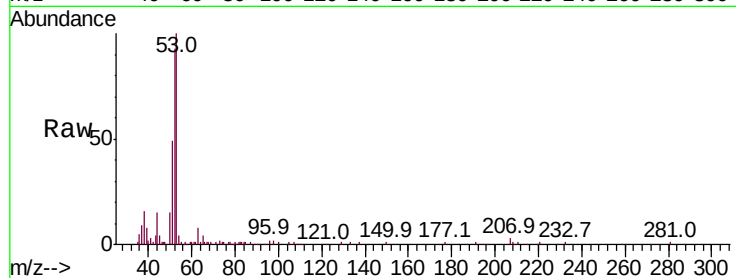
#15
 Acrylonitrile
 Concen: 271.634 ug/l
 RT: 3.10 min Scan# 260
 Delta R.T. 0.01 min
 Lab File: VF062433.D
 Acq: 10 May 2019 21:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	85281
Ion Ratio	Lower	Upper	
53	100		
52	88.2	77.2	115.8
51	50.1	40.6	61.0

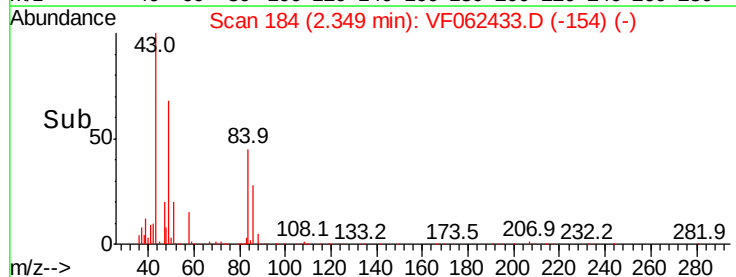
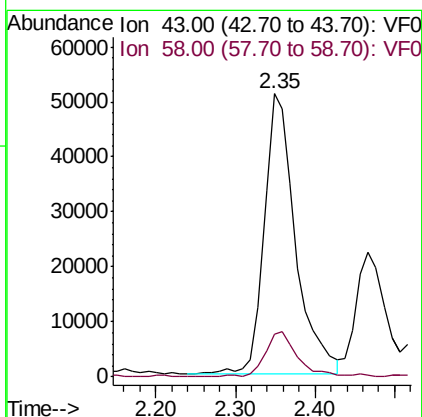
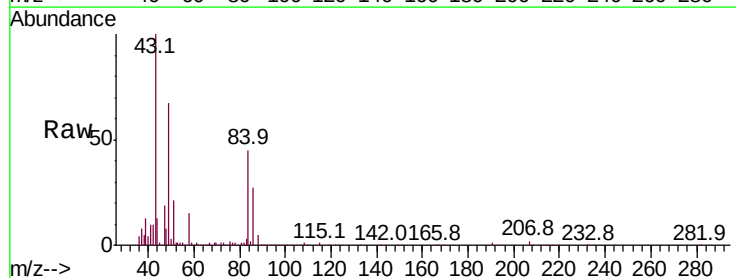
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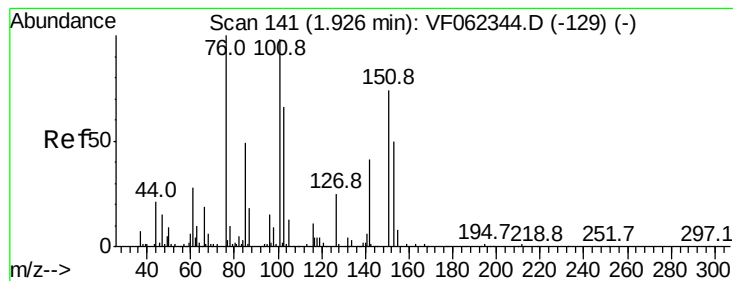
MMDadoda
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#16
 Acetone
 Concen: 232.518 ug/l
 RT: 2.35 min Scan# 184
 Delta R.T. -0.00 min
 Lab File: VF062433.D
 Acq: 10 May 2019 21:11

Tgt Ion:	43	Resp:	137938
Ion Ratio	Lower	Upper	
43	100		
58	14.9	13.1	19.7





#17

Carbon Disulfide

Concen: 46.948 ug/l

RT: 1.93 min Scan# 142

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 243544

Ion Ratio Lower Upper

76 100

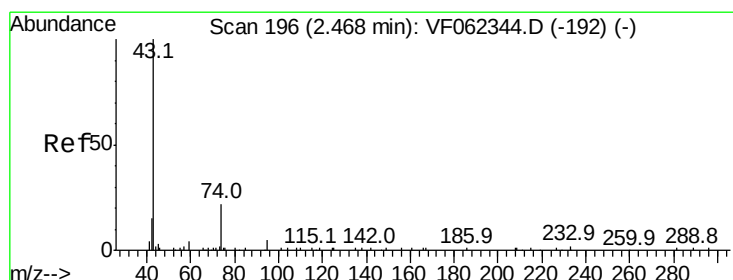
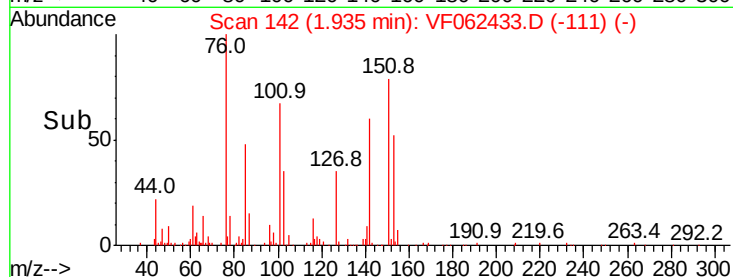
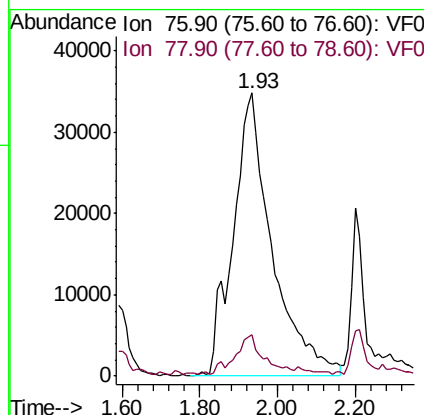
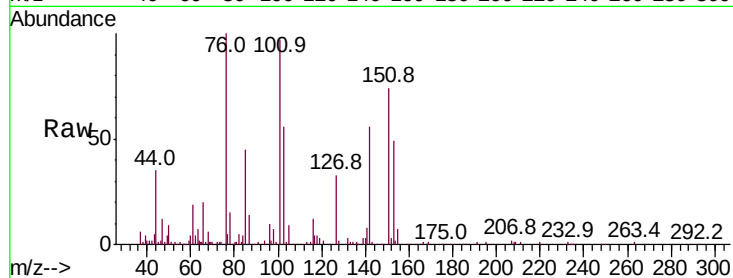
78 13.5 9.0 13.4#

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#18

Methyl Acetate

Concen: 47.131 ug/l

RT: 2.47 min Scan# 196

Delta R.T. -0.00 min

Lab File: VF062433.D

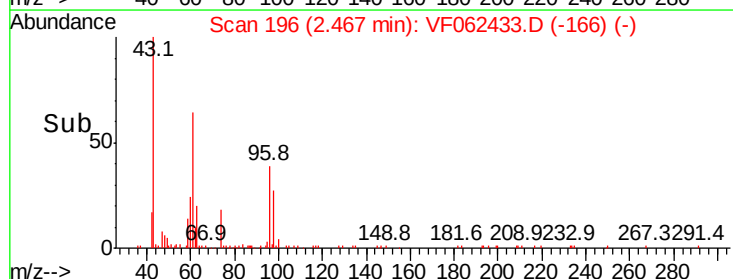
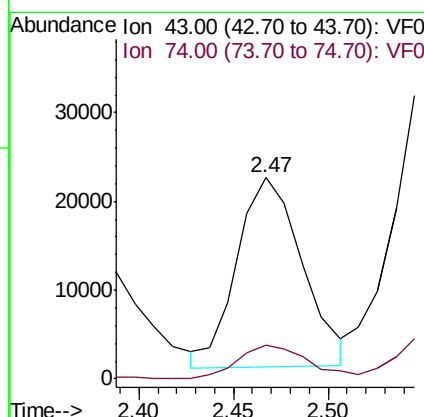
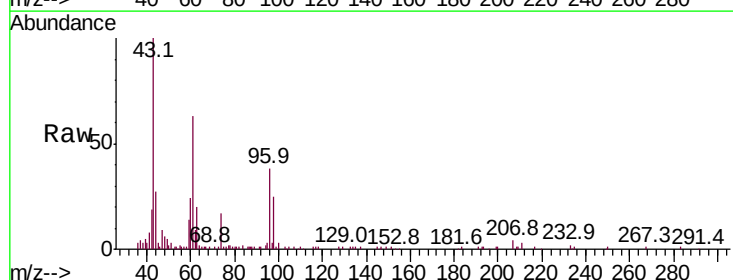
Acq: 10 May 2019 21:11

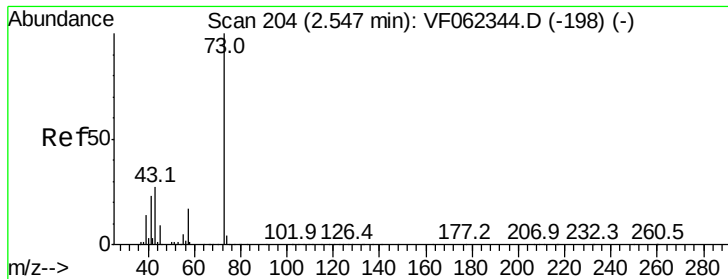
Tgt Ion: 43 Resp: 51184

Ion Ratio Lower Upper

43 100

74 19.3 15.0 22.4





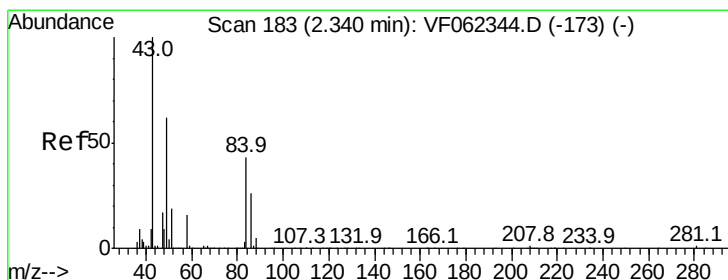
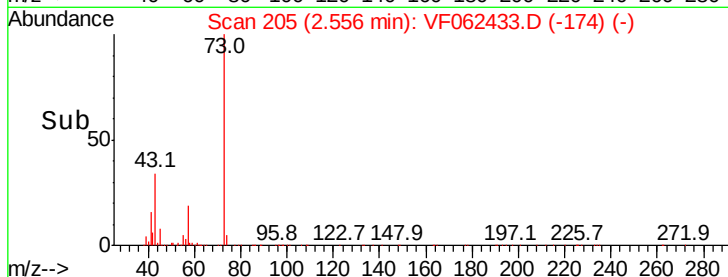
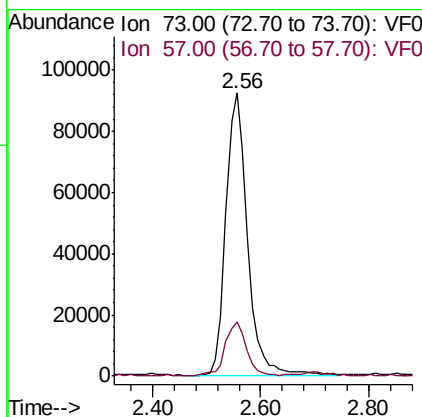
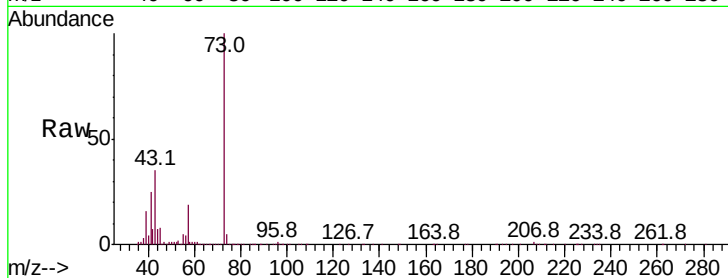
#19
Methyl tert-butyl Ether
Concen: 51.652 ug/l
RT: 2.56 min Scan# 205
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 253668
Ion Ratio Lower Upper
73 100
57 19.2 13.7 20.5

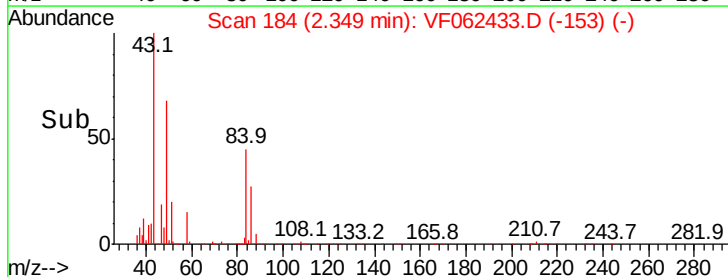
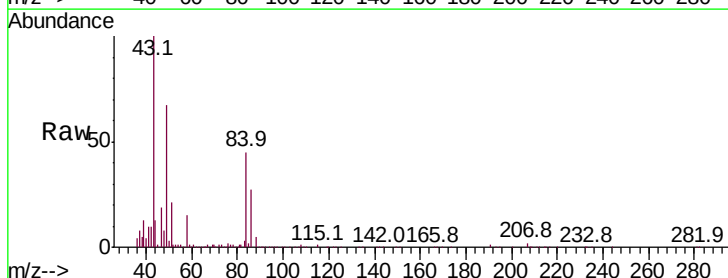
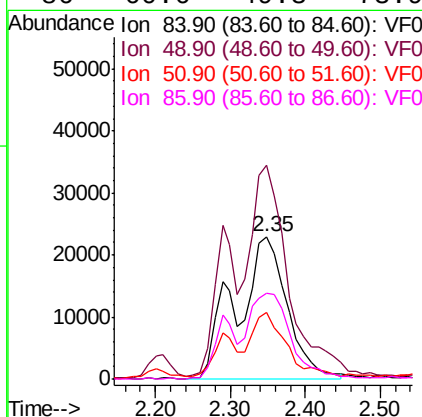
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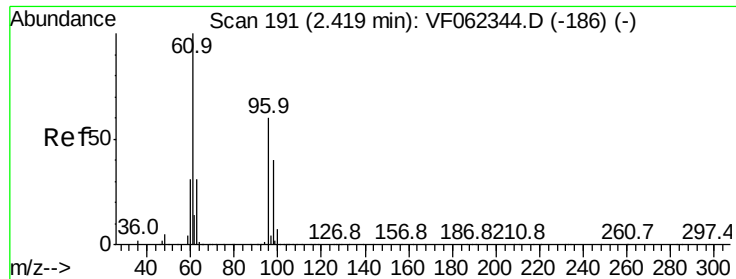
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#20
Methylene Chloride
Concen: 50.554 ug/l m
RT: 2.35 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Tgt Ion: 84 Resp: 108506
Ion Ratio Lower Upper
84 100
49 150.2 117.5 176.3
51 46.4 37.0 55.4
86 60.6 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 48.907 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 110858

Ion Ratio Lower Upper

96 100

61 165.8 133.2 199.8

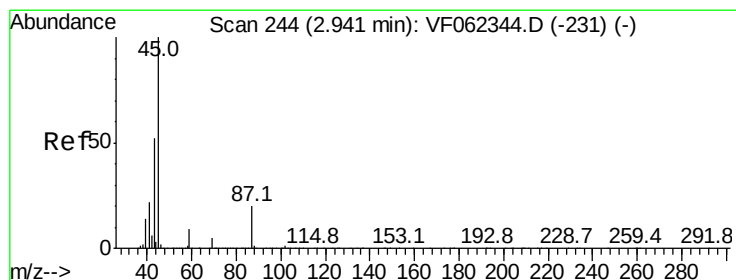
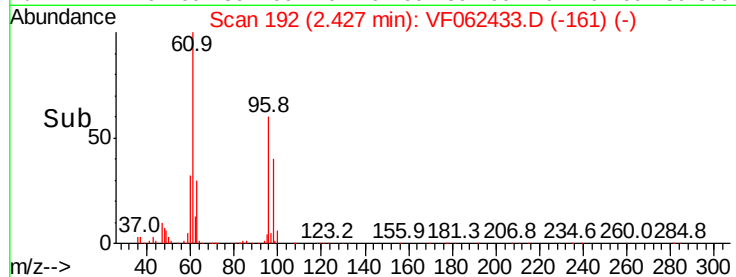
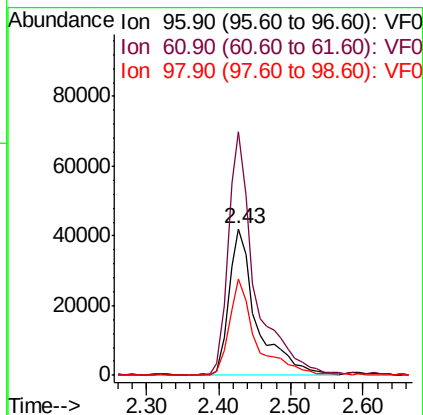
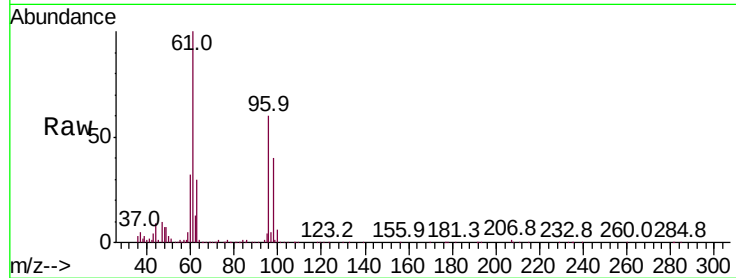
98 65.9 53.1 79.7

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#22

Diisopropyl ether

Concen: 52.003 ug/l

RT: 2.94 min Scan# 244

Delta R.T. -0.00 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Tgt Ion: 45 Resp: 341576

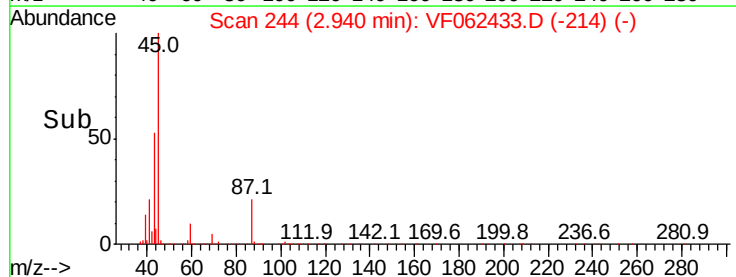
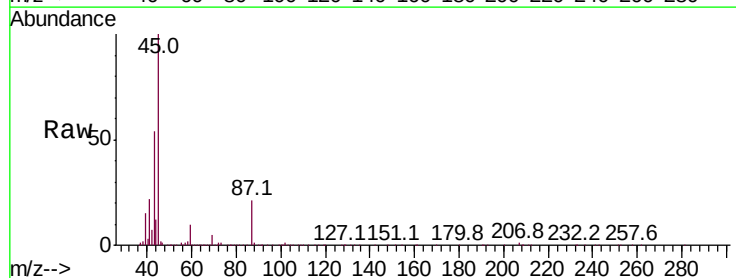
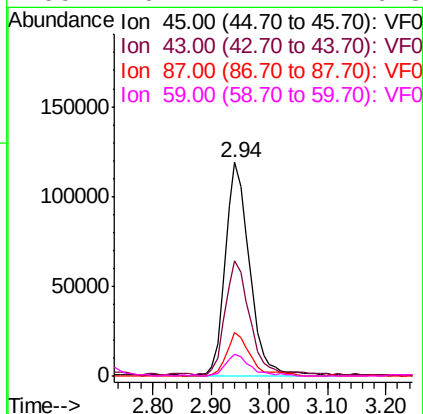
Ion Ratio Lower Upper

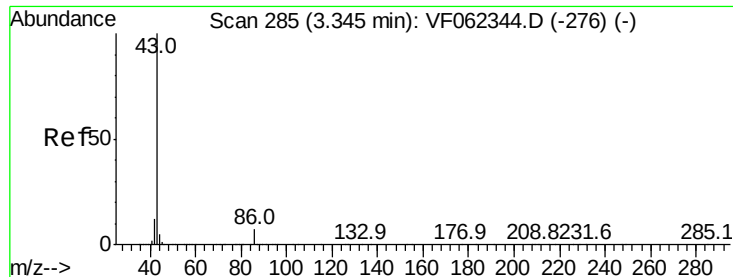
45 100

43 53.1 41.4 62.0

87 20.7 15.8 23.6

59 10.1 7.2 10.8





#23

Vinyl Acetate

Concen: 249.599 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 730696

Ion Ratio Lower Upper

43 100

86 6.6

5.7

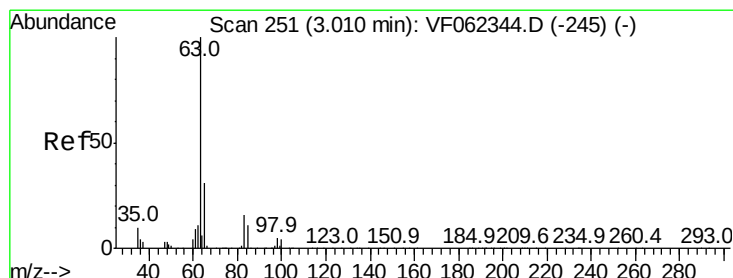
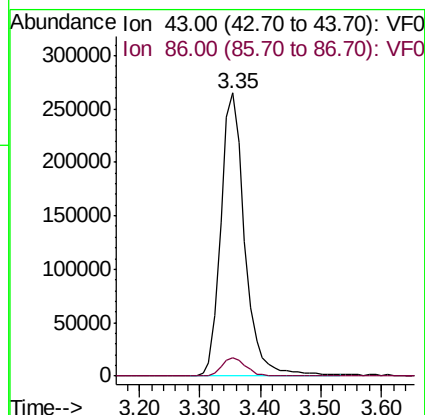
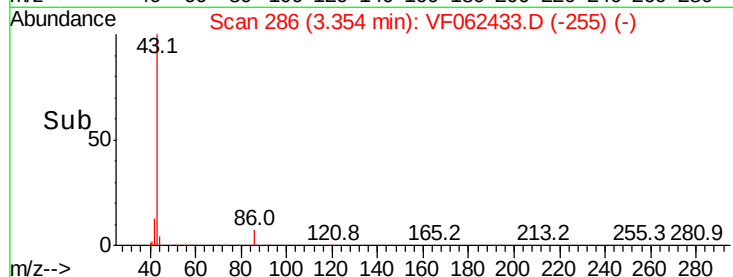
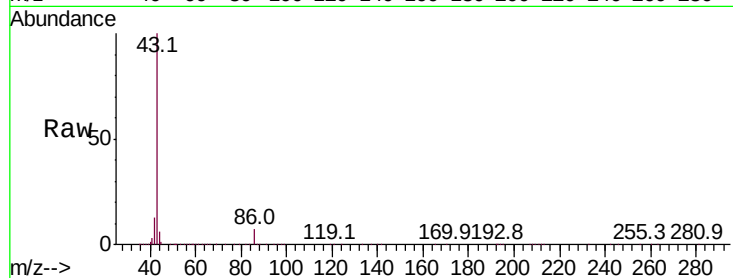
8.5

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#24

1,1-Dichloroethane

Concen: 54.867 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Tgt Ion: 63 Resp: 217813

Ion Ratio Lower Upper

63 100

98 5.1

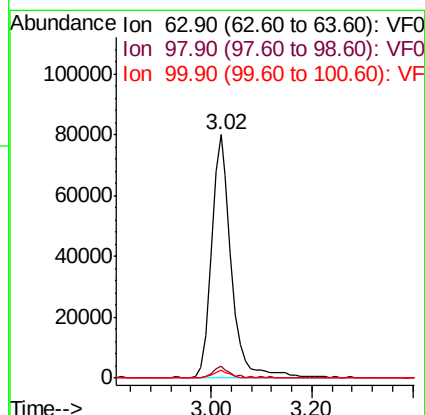
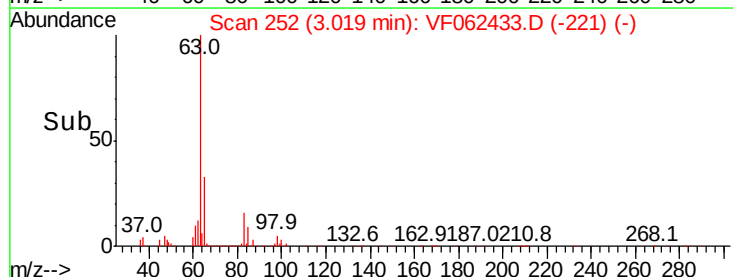
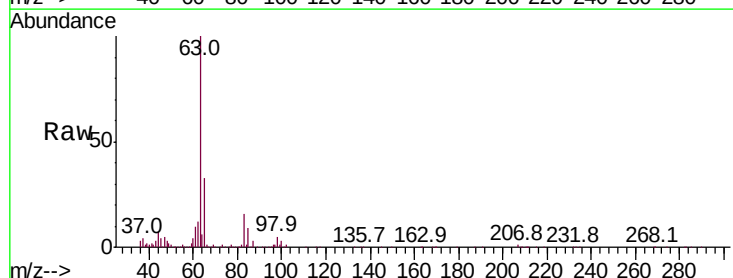
2.6

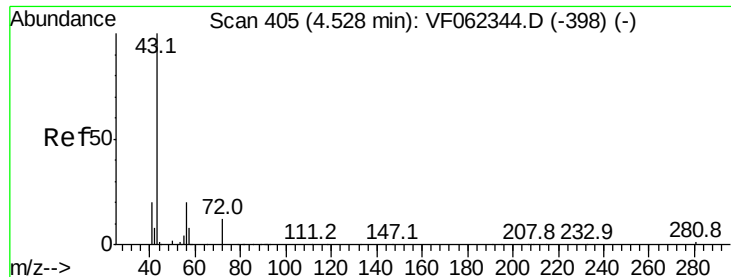
8.0

100 3.3

1.8

5.4





#25

2-Butanone

Concen: 249.940 ug/l

RT: 4.54 min Scan# 406

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 186280

Ion Ratio Lower Upper

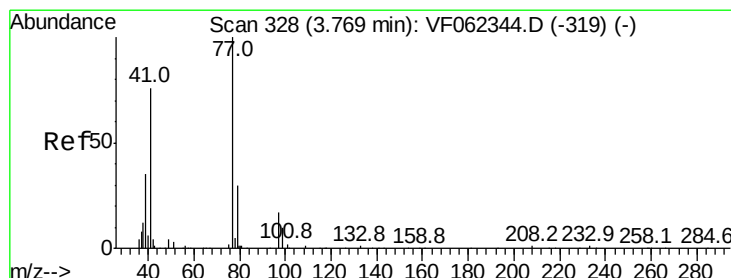
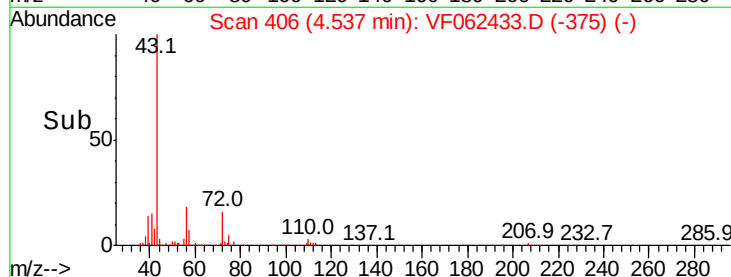
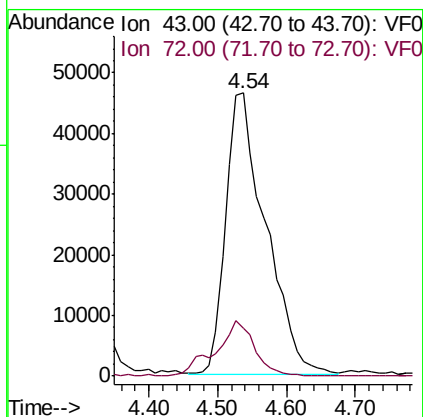
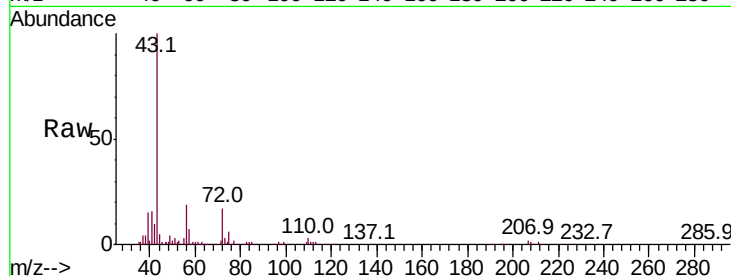
43 100

72 16.9 14.2 21.4

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#26

2,2-Dichloropropane

Concen: 54.393 ug/l

RT: 3.79 min Scan# 330

Delta R.T. 0.02 min

Lab File: VF062433.D

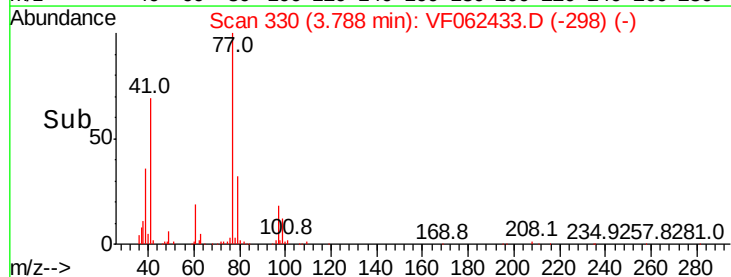
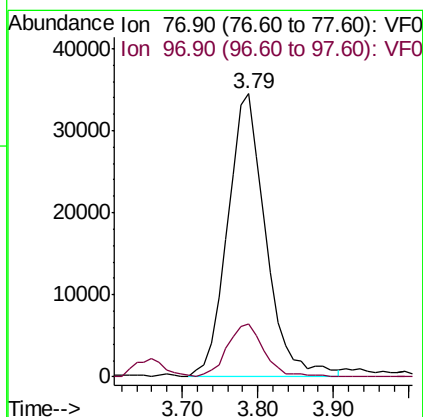
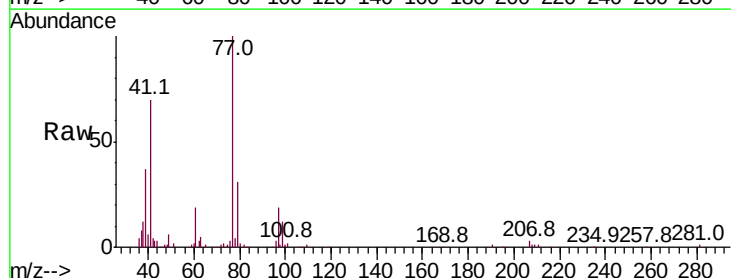
Acq: 10 May 2019 21:11

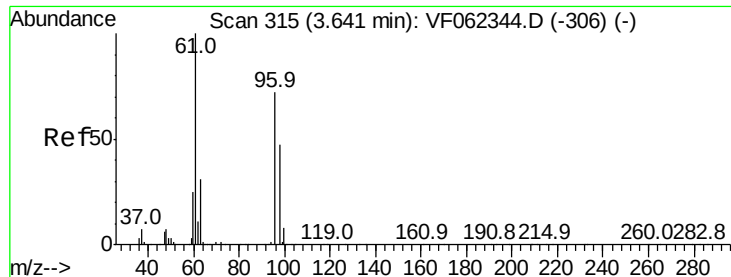
Tgt Ion: 77 Resp: 120584

Ion Ratio Lower Upper

77 100

97 18.1 9.5 28.5





#27

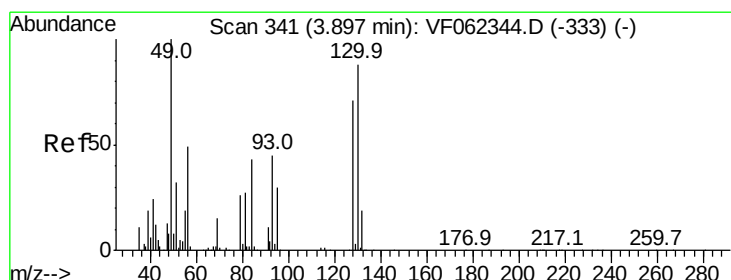
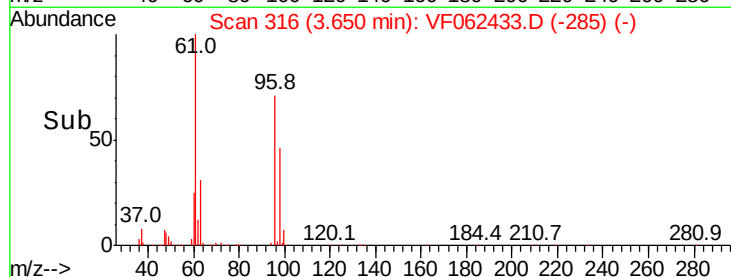
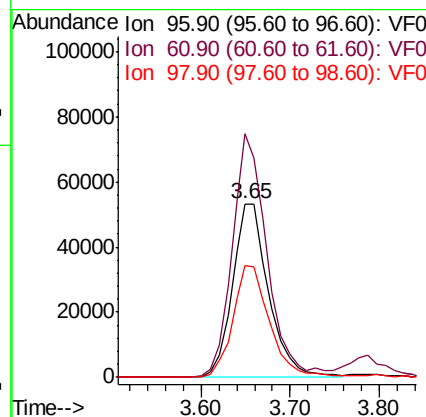
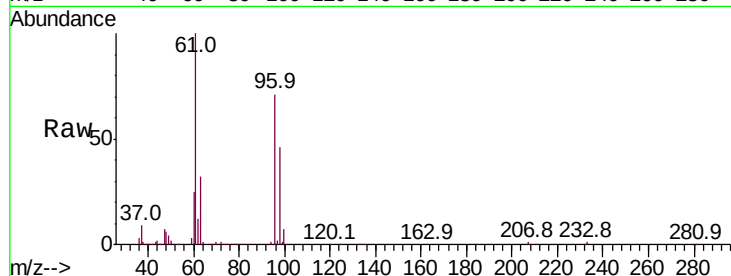
cis-1,2-Dichloroethene
Concen: 53.276 ug/l
RT: 3.65 min Scan# 316
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	150953		
61	135.6	0.0	263.0	
98	65.0	0.0	130.8	

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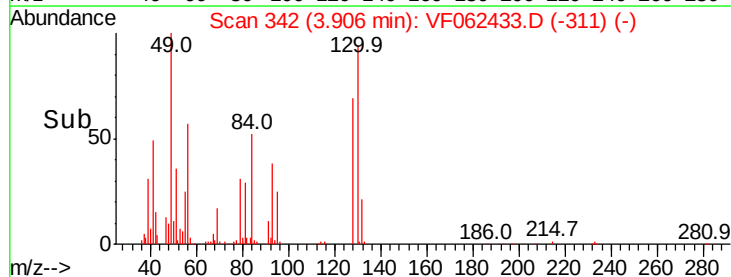
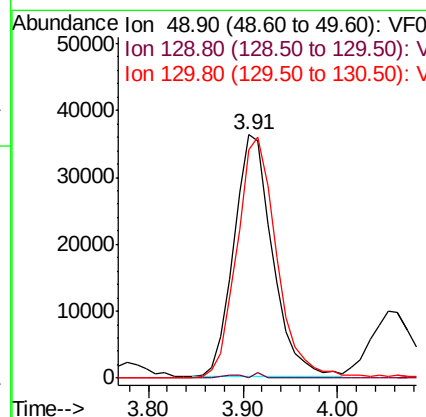
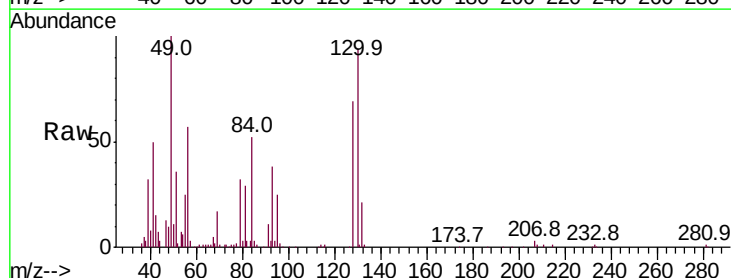
MMDadoda
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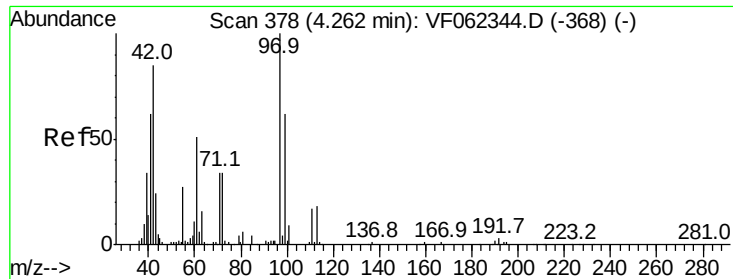


#28

Bromochloromethane
Concen: 57.253 ug/l
RT: 3.91 min Scan# 342
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	103078		
129	0.6	0.0	2.2	
130	103.3	79.4	119.0	





#29

Tetrahydrofuran

Concen: 221.594 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.02 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

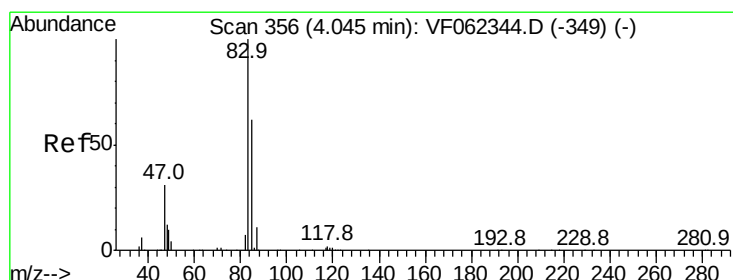
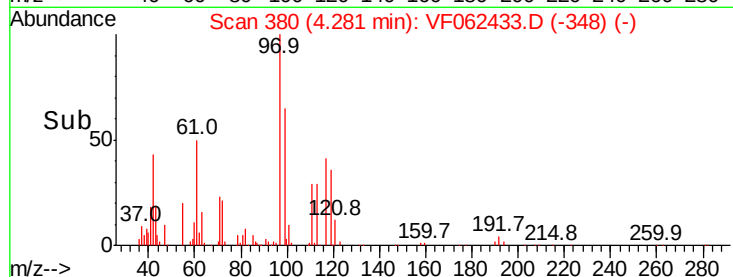
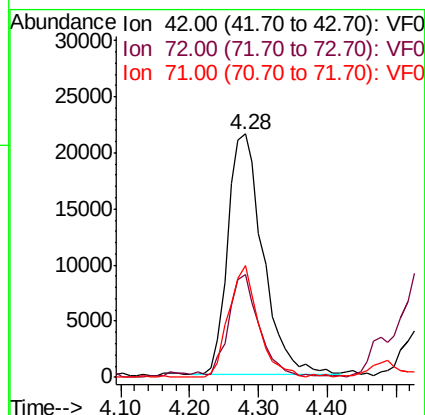
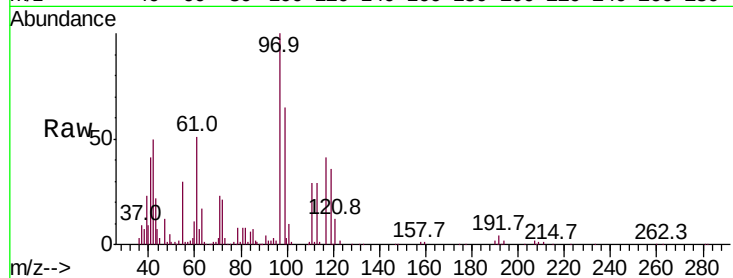
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	75904
Ion Ratio	Lower	Upper	
42	100		
72	37.6	31.4	47.0
71	39.3	31.7	47.5

Manual Integrations
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#30

Chloroform

Concen: 55.860 ug/l

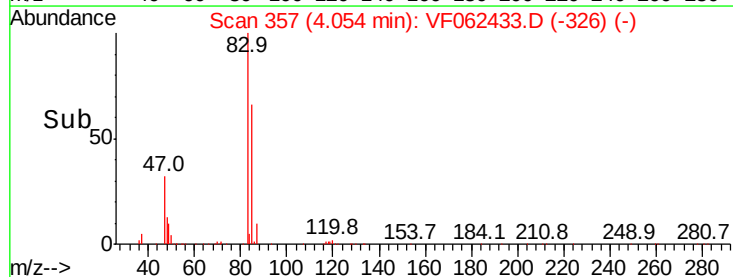
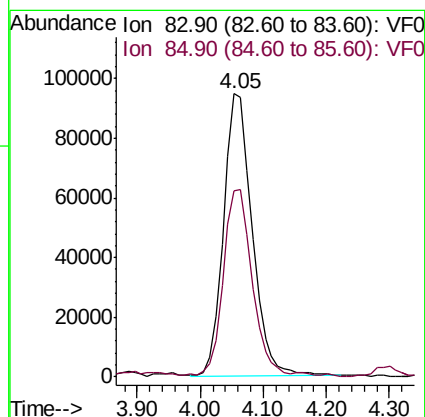
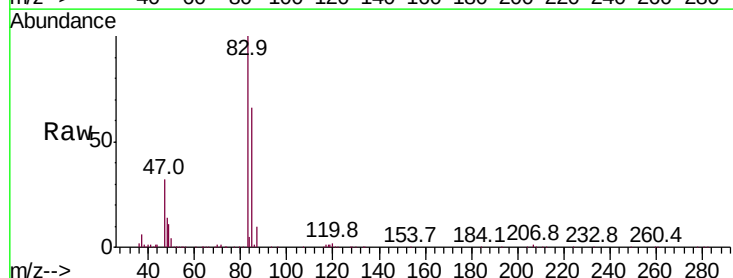
RT: 4.05 min Scan# 357

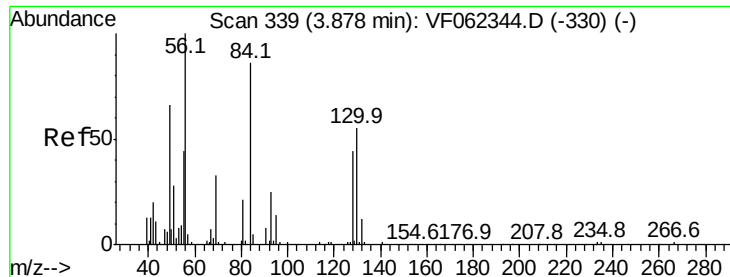
Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Tgt Ion:	83	Resp:	299590
Ion Ratio	Lower	Upper	
83	100		
85	65.8	49.6	74.4





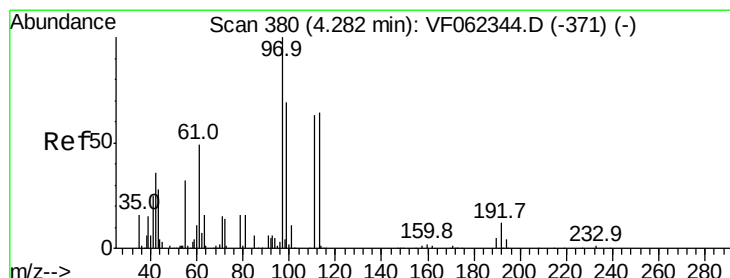
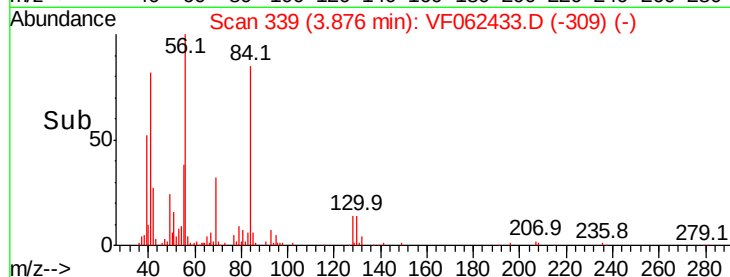
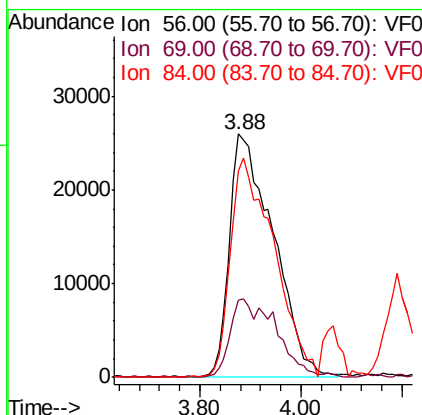
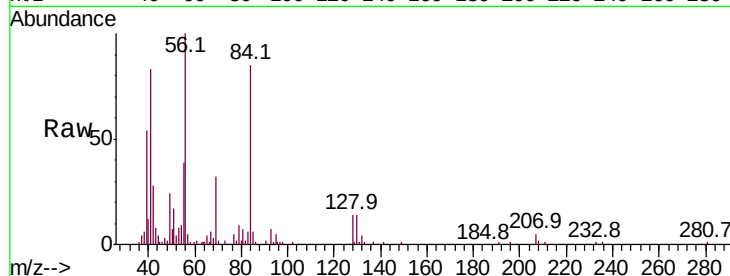
#31
Cyclohexane
Concen: 49.158 ug/l
RT: 3.88 min Scan# 339
Delta R.T. -0.00 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.5	26.4	39.6
84	85.1	69.0	103.6

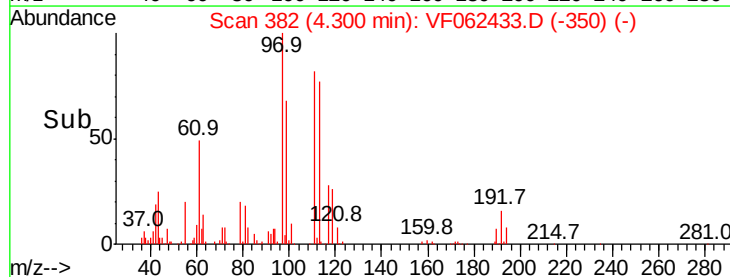
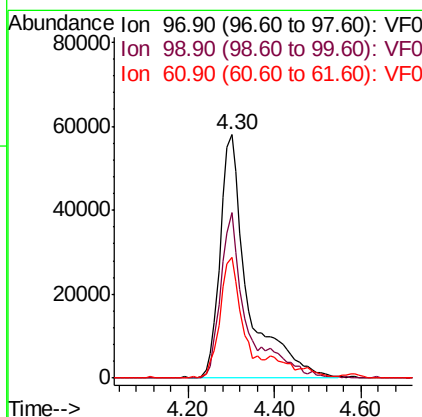
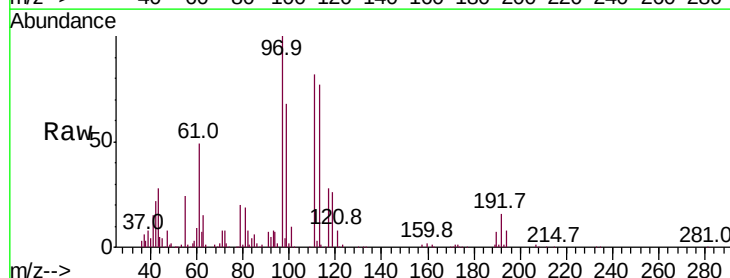
Manual Integrations
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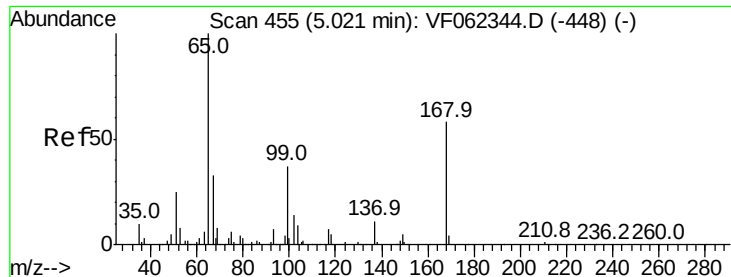
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#32
1,1,1-Trichloroethane
Concen: 56.382 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.02 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.6	78.8
61	40.9	39.4	59.0





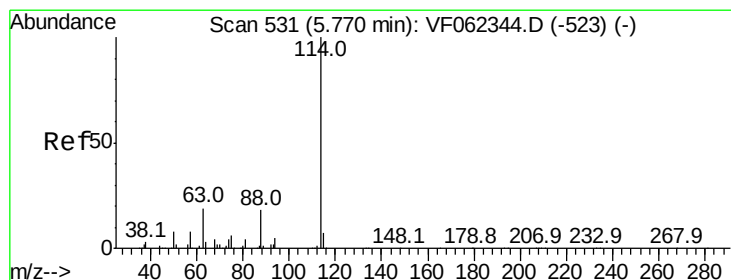
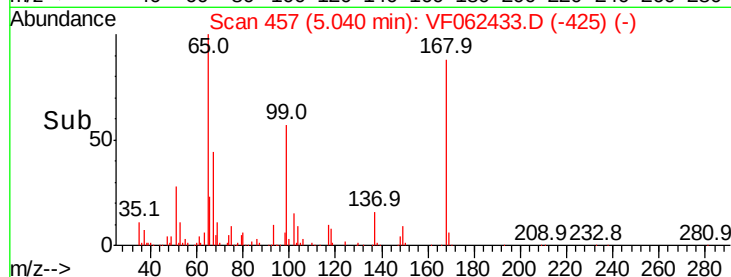
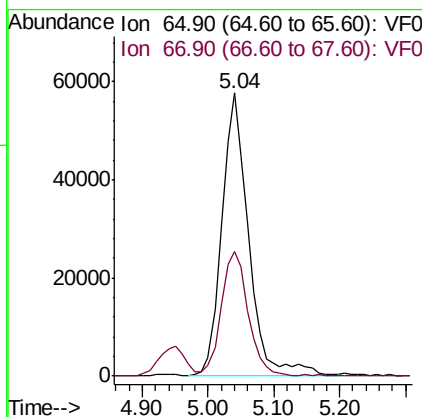
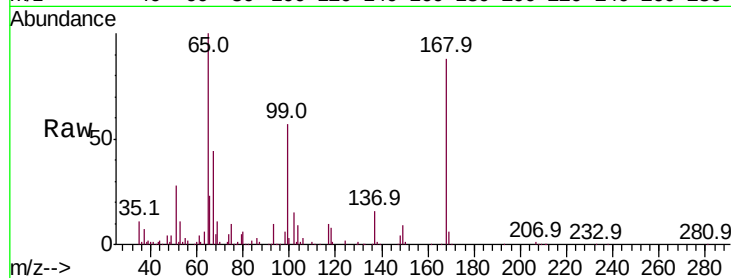
#33
 1,2-Dichloroethane-d4
 Concen: 55.274 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.02 min
 Lab File: VF062433.D
 Acq: 10 May 2019 21:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	162096		
67	44.0	0.0	85.8	

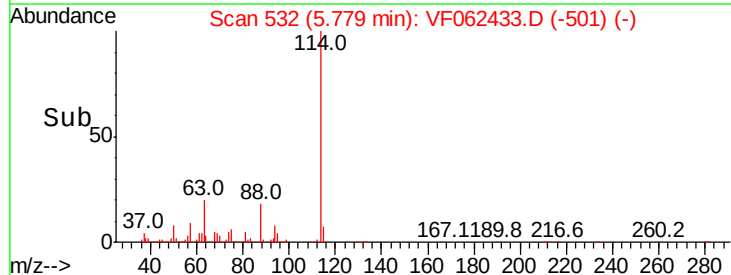
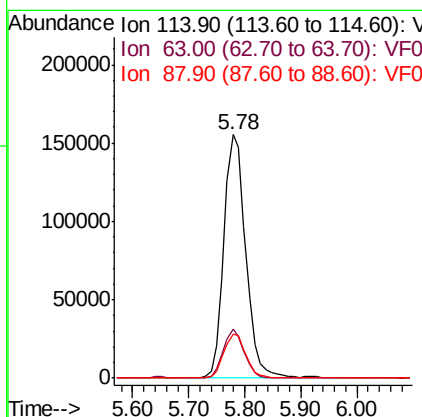
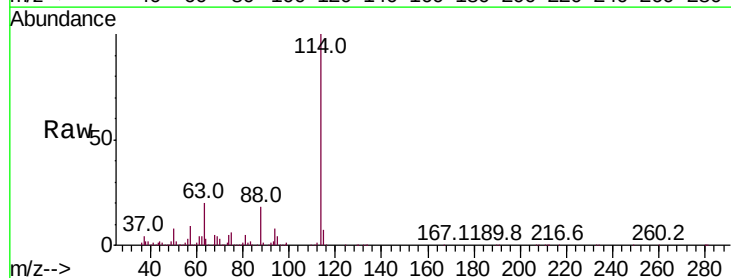
Manual Integrations
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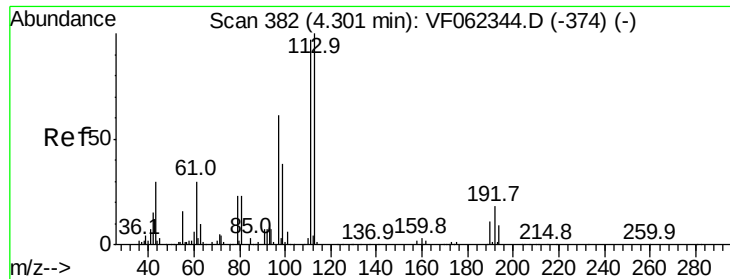
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. 0.01 min
 Lab File: VF062433.D
 Acq: 10 May 2019 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	424790		
63	20.1	0.0	37.4	
88	17.8	0.0	36.4	





#35

Dibromofluoromethane

Concen: 54.463 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

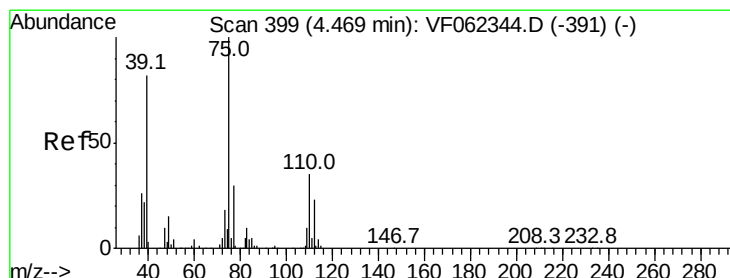
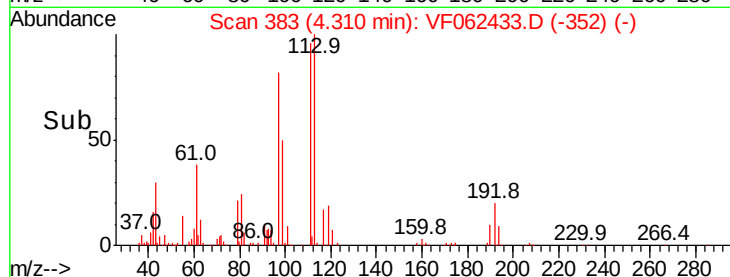
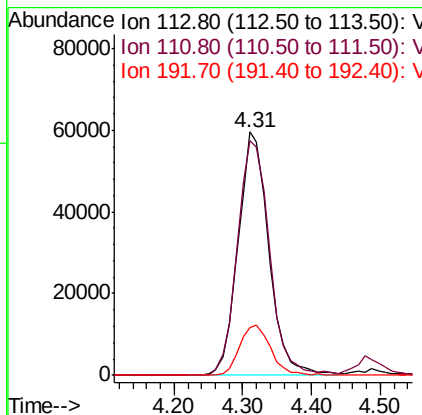
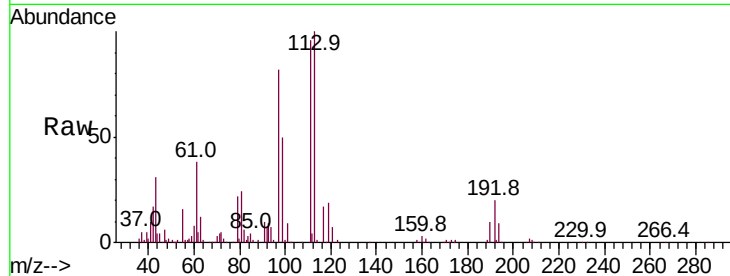
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	184317
Ion Ratio	Lower	Upper	
113	100		
111	101.1	79.4	119.0
192	21.2	16.0	24.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 51.332 ug/l

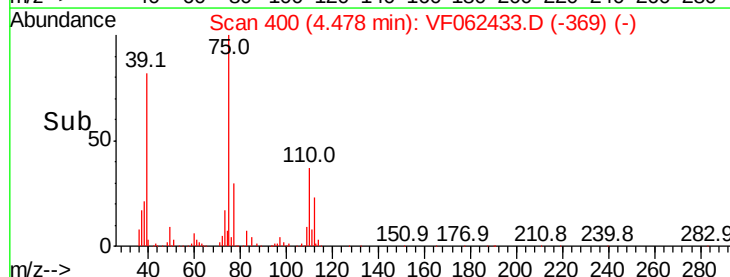
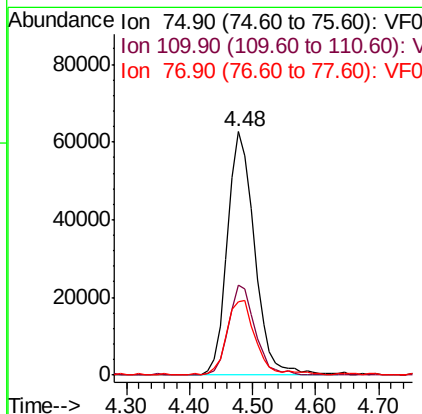
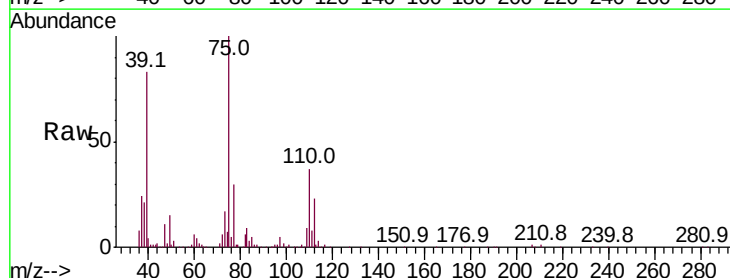
RT: 4.48 min Scan# 400

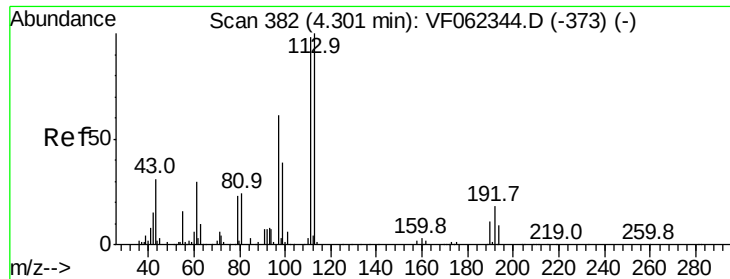
Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Tgt Ion:	75	Resp:	187317
Ion Ratio	Lower	Upper	
75	100		
110	36.3	17.2	51.5
77	32.1	25.2	37.8





#37

Ethyl Acetate

Concen: 51.351 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

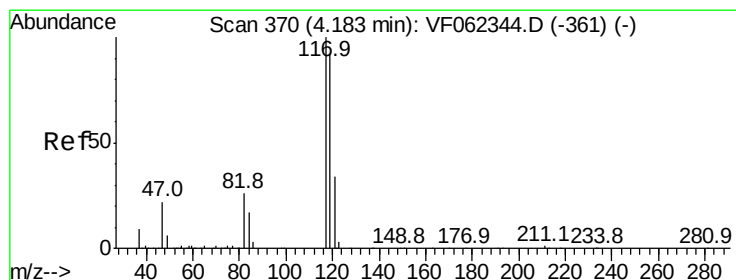
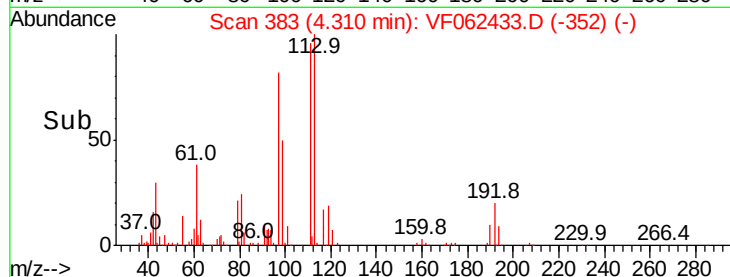
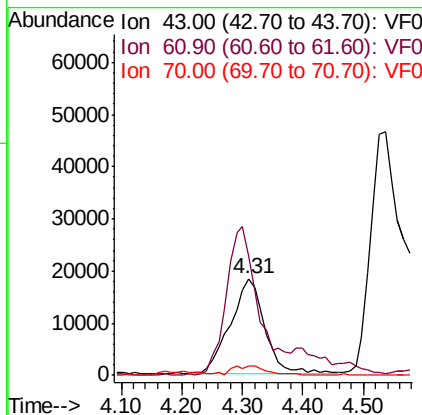
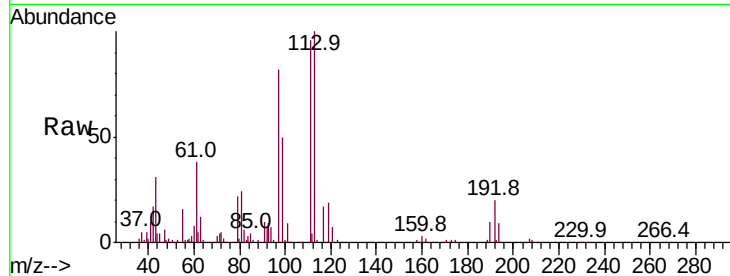
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	72767
Ion Ratio	Lower	Upper	
43	100		
61	145.5	0.0	0.0#
70	10.2	8.2	12.2

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#38

Carbon Tetrachloride

Concen: 58.113 ug/l

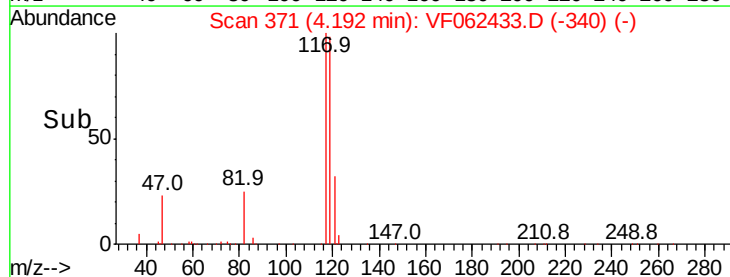
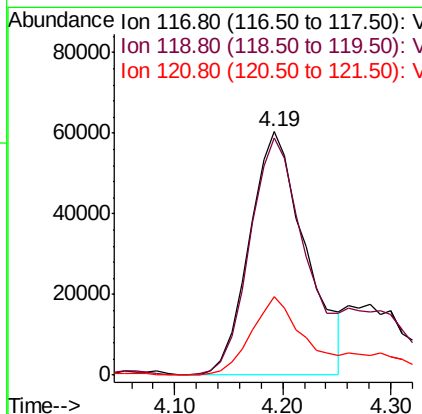
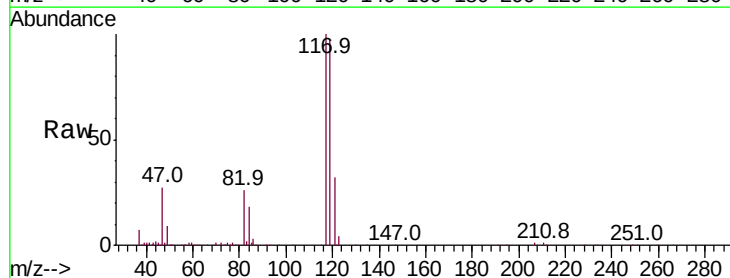
RT: 4.19 min Scan# 371

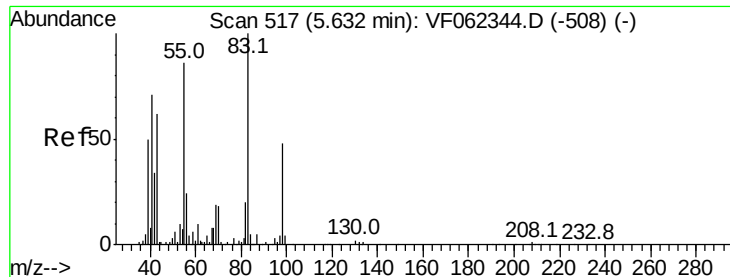
Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Tgt Ion:	117	Resp:	218250
Ion Ratio	Lower	Upper	
117	100		
119	97.1	73.4	110.2
121	31.9	27.4	41.0





#39

Methylvlcyclohexane

Concen: 51.080 ug/l

RT: 5.64 min Scan# 518

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

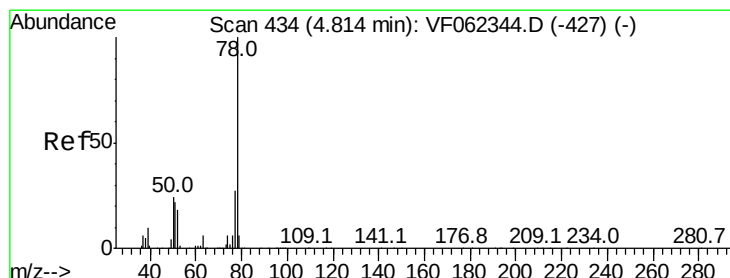
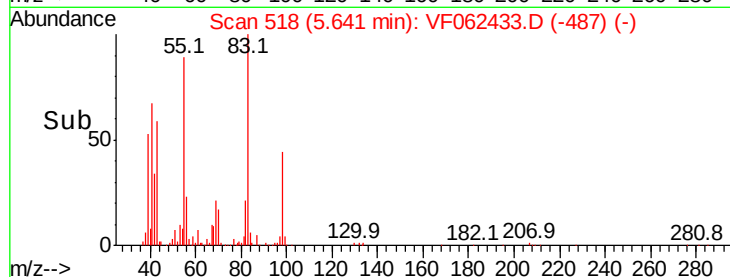
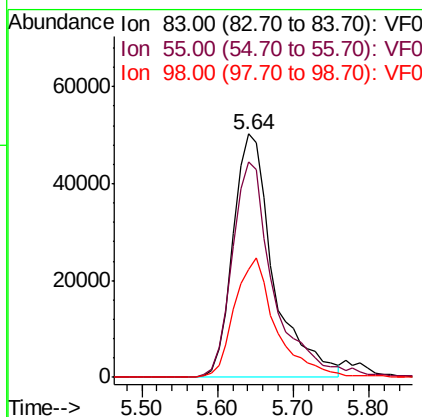
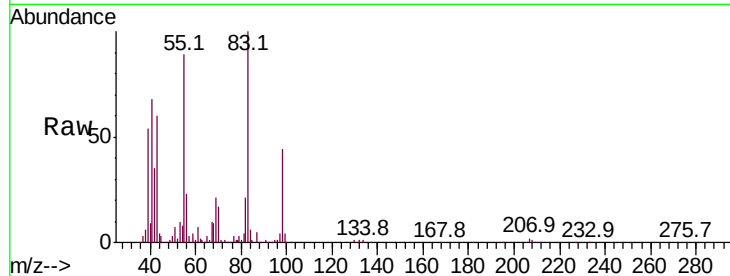
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	186938
Ion Ratio	Lower	Upper	
83	100		
55	88.7	69.0	103.6
98	44.0	38.6	58.0

Manual Integrations
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#40

Benzene

Concen: 50.436 ug/l

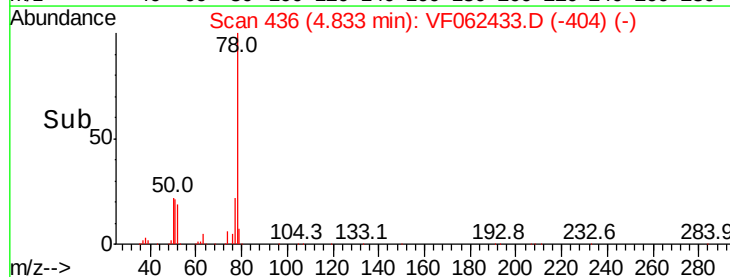
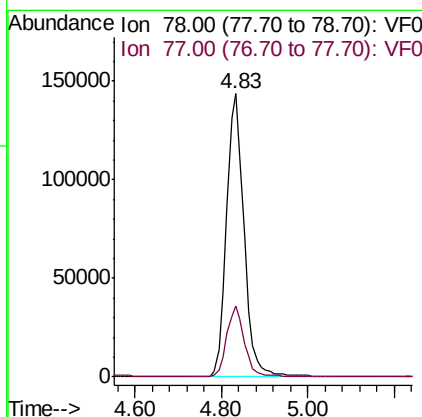
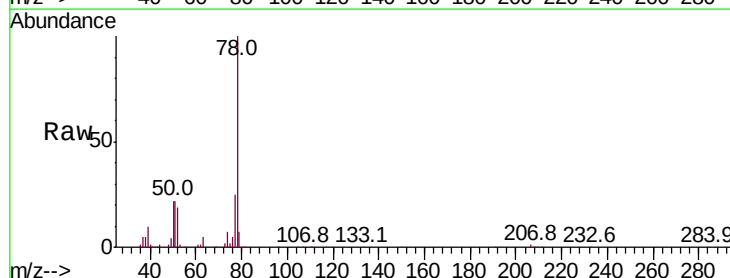
RT: 4.83 min Scan# 436

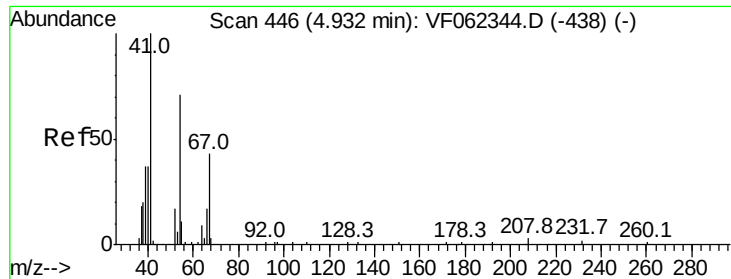
Delta R.T. 0.02 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Tgt Ion:	78	Resp:	405278
Ion Ratio	Lower	Upper	
78	100		
77	25.0	21.6	32.4





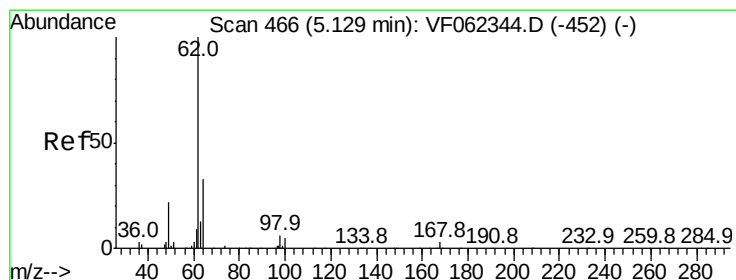
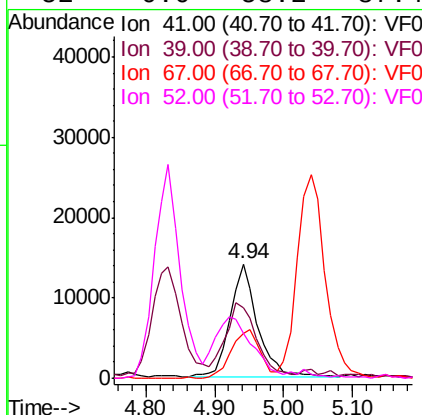
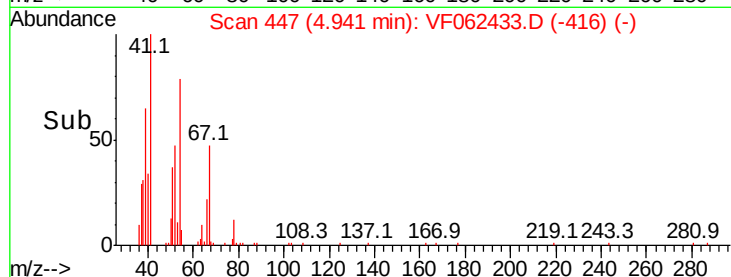
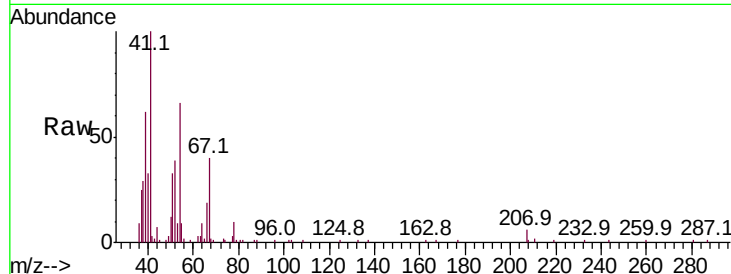
#41
Methacrylonitrile
Concen: 43.987 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	54.3	81.5#
67	46.2	37.8	56.8
52	0.0	58.2	87.4#

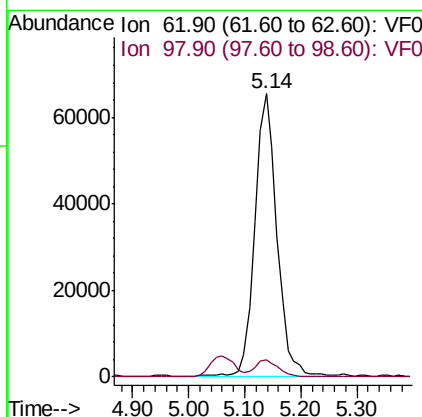
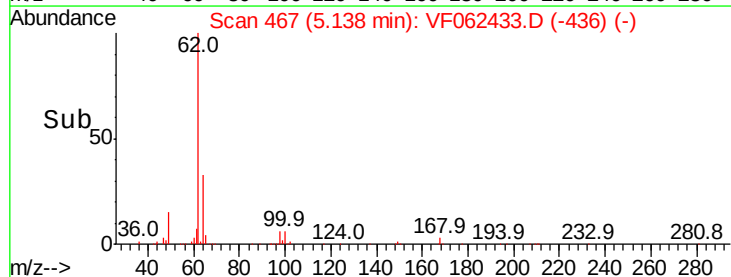
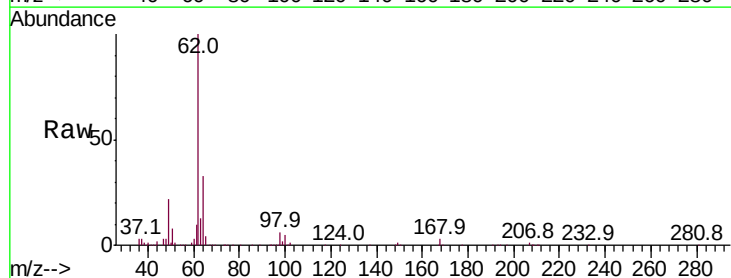
Manual Integrations
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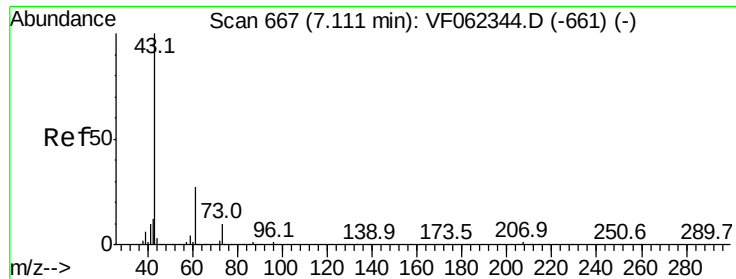
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#42
1,2-Dichloroethane
Concen: 53.475 ug/l
RT: 5.14 min Scan# 467
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.5	0.0	12.4





#43

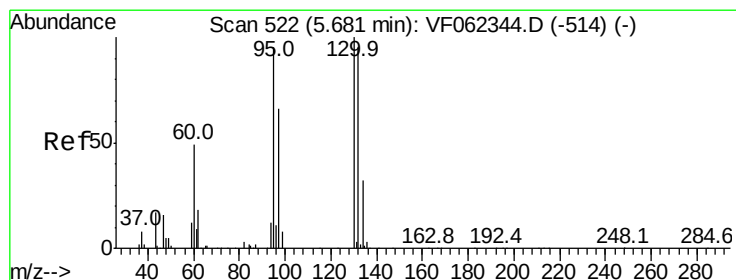
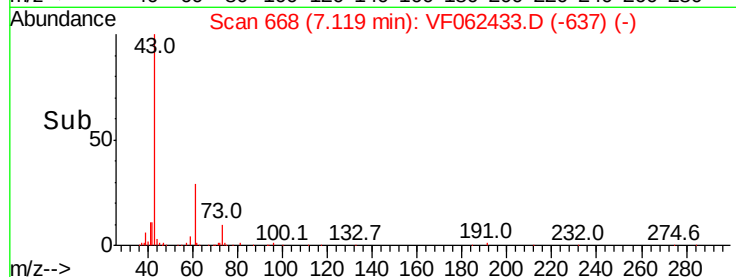
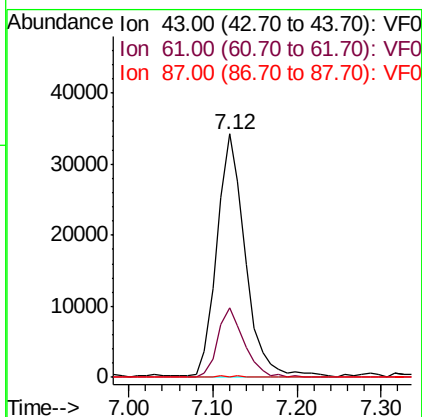
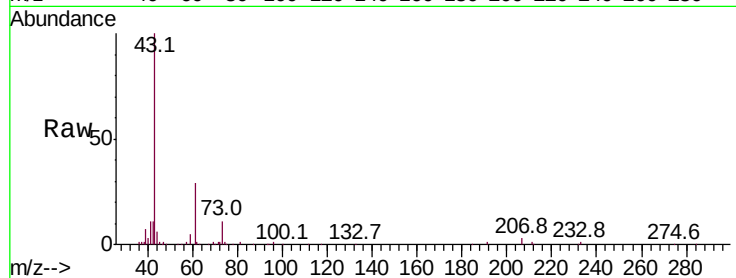
Isopropyl Acetate
 Concen: 47.833 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. 0.01 min
 Lab File: VF062433.D
 Acq: 10 May 2019 21:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.0	22.8	34.2
87	0.4	0.6	1.0

Manual Integrations
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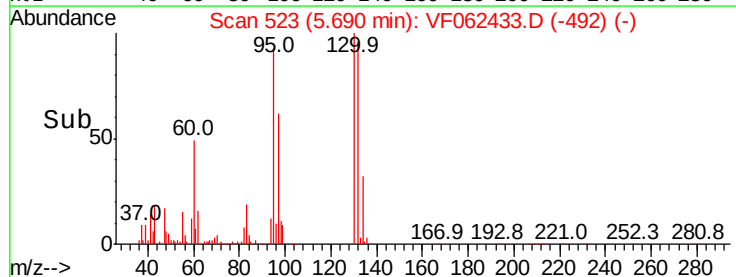
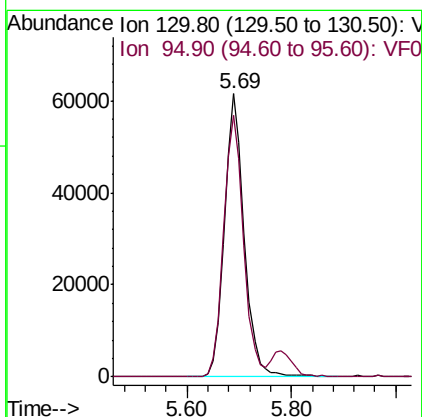
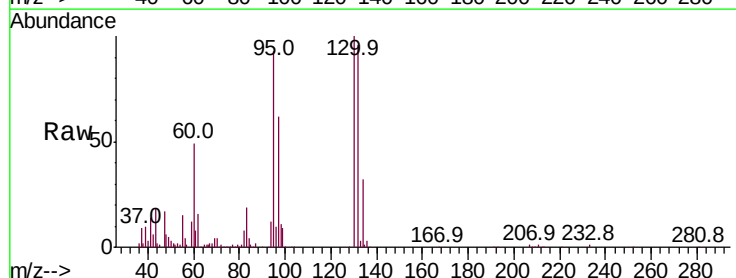
MMDadoda
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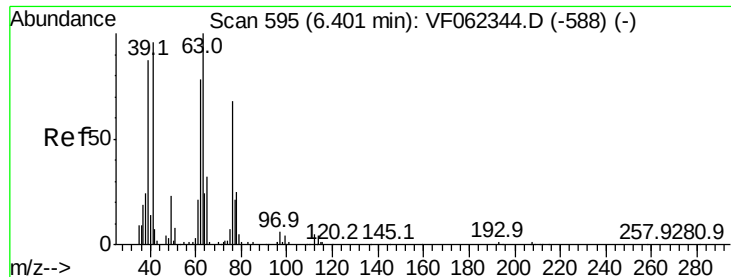


#44

Trichloroethene
 Concen: 54.253 ug/l
 RT: 5.69 min Scan# 523
 Delta R.T. 0.01 min
 Lab File: VF062433.D
 Acq: 10 May 2019 21:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.6	0.0	189.0





#45

1,2-Dichloropropane

Concen: 52.558 ug/l

RT: 6.41 min Scan# 596

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 95660

Ion Ratio Lower Upper

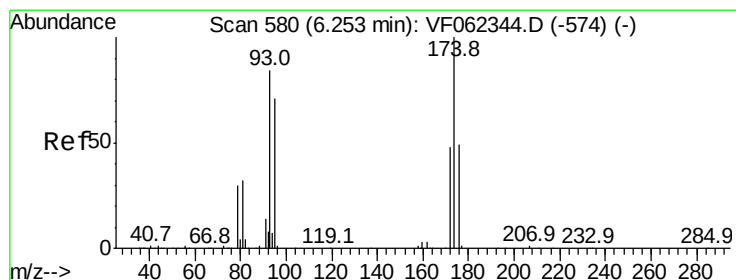
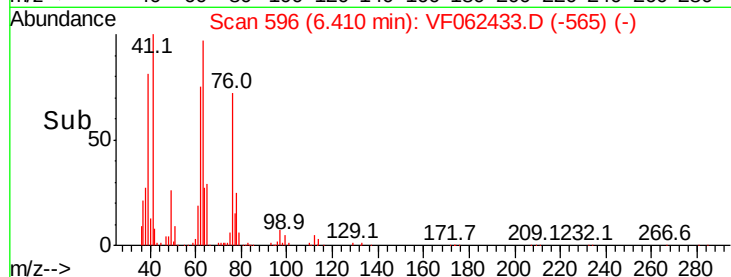
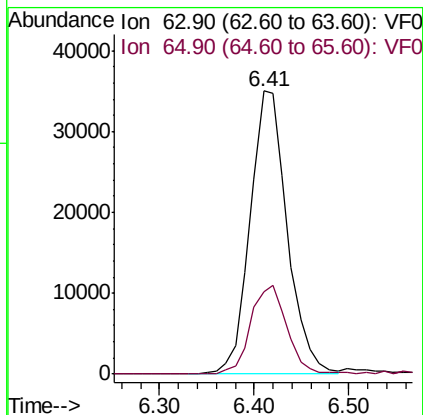
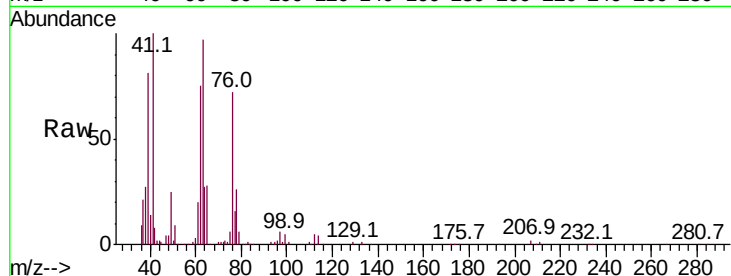
63 100

65 29.3 25.6 38.4

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#46

Dibromomethane

Concen: 54.106 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.02 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

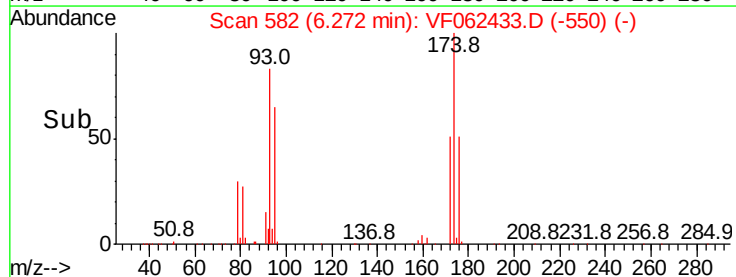
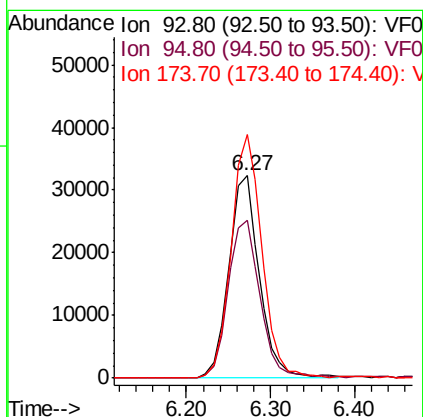
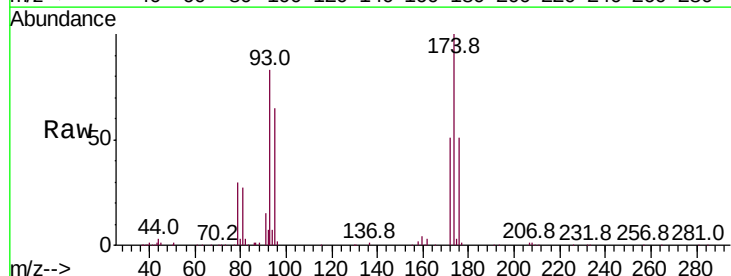
Tgt Ion: 93 Resp: 81650

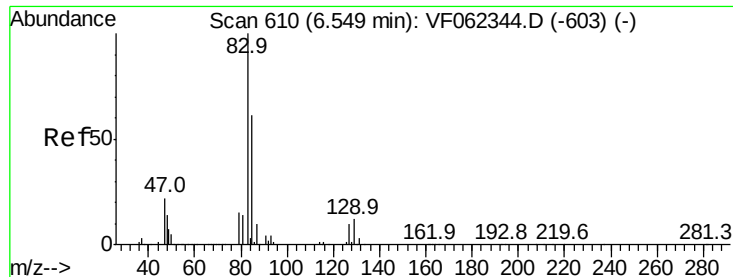
Ion Ratio Lower Upper

93 100

95 81.6 68.4 102.6

174 120.4 99.6 149.4





#47

Bromodichloromethane

Concen: 55.239 ug/l

RT: 6.56 min Scan# 611

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

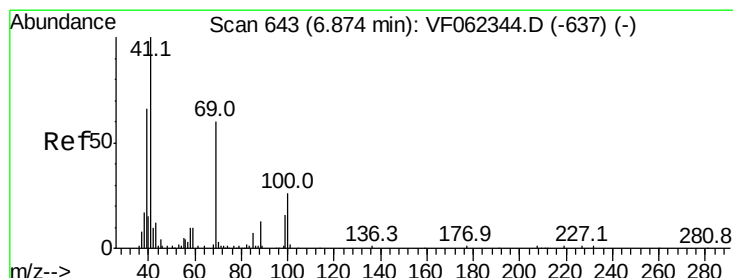
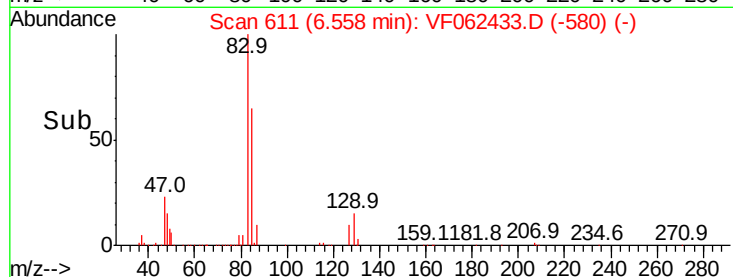
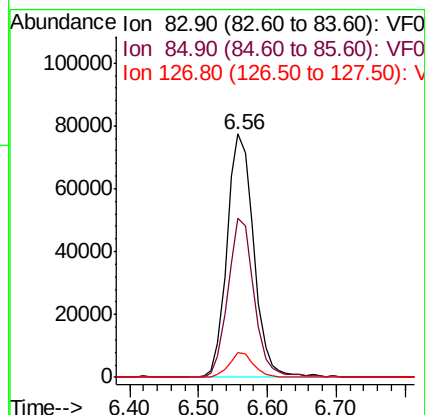
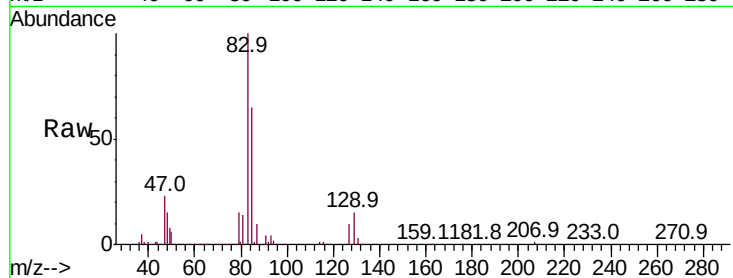
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	208410
Ion Ratio	Lower	Upper	
83	100		
85	65.2	49.1	73.7
127	10.3	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.490 ug/l

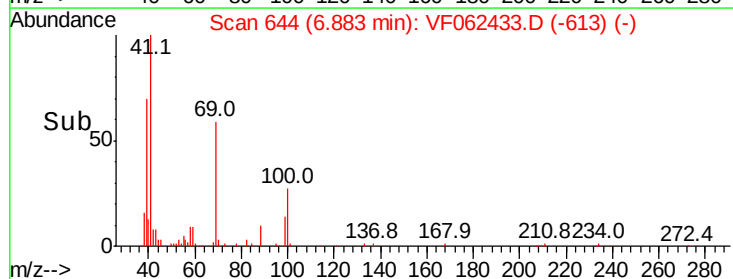
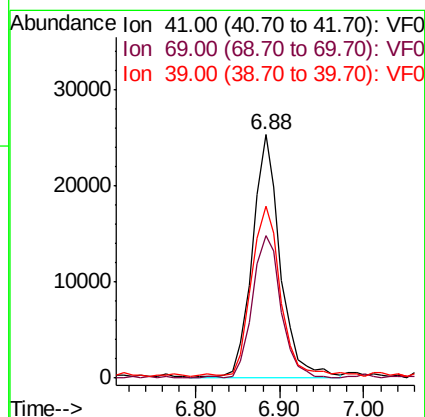
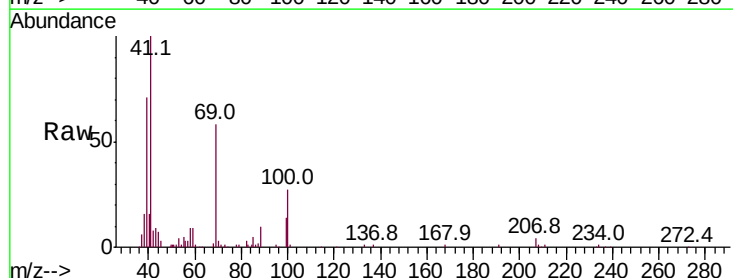
RT: 6.88 min Scan# 644

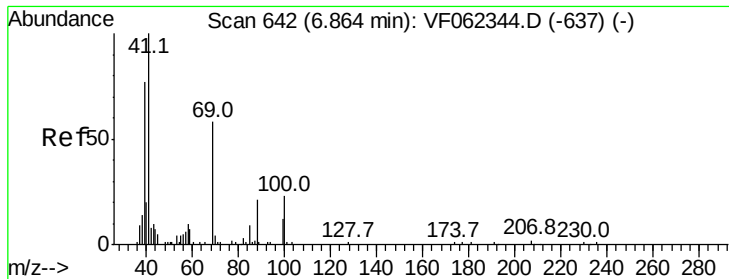
Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Tgt Ion:	41	Resp:	58050
Ion Ratio	Lower	Upper	
41	100		
69	61.3	48.6	72.8
39	73.9	56.1	84.1





#49

1,4-Dioxane

Concen: 795.764 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

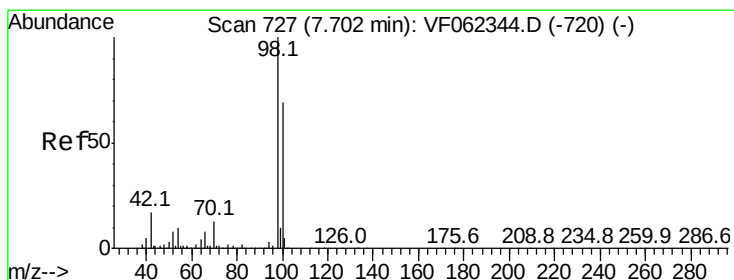
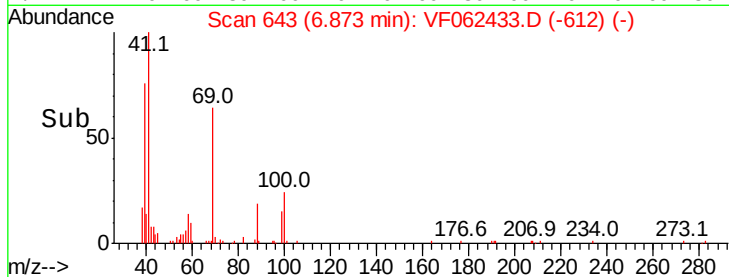
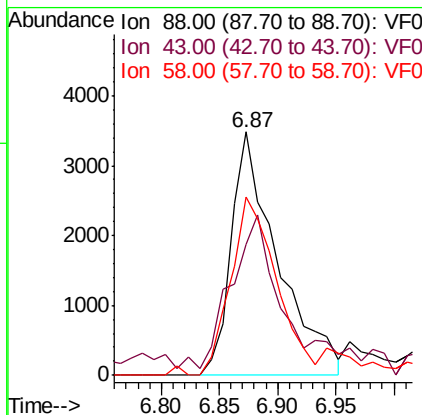
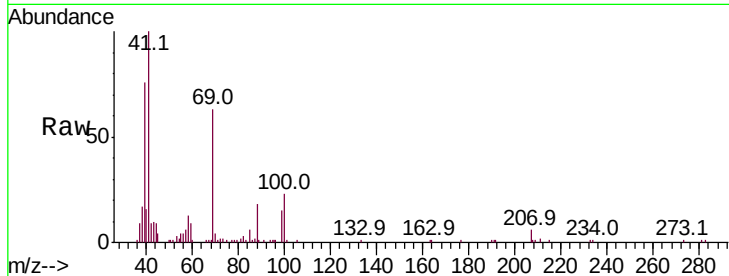
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	9632
Ion	Ratio	Lower	Upper
88	100		
43	83.7	55.6	83.4#
58	71.9	52.8	79.2

Manual Integrations
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#50

Toluene-d8

Concen: 51.917 ug/l

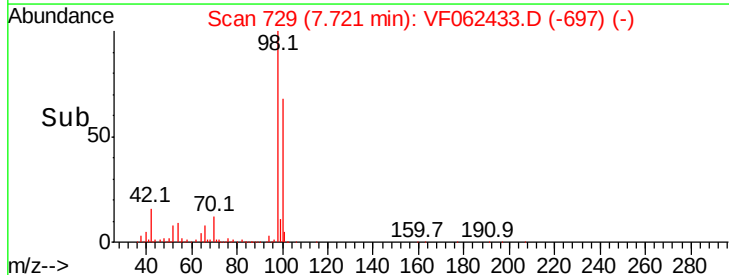
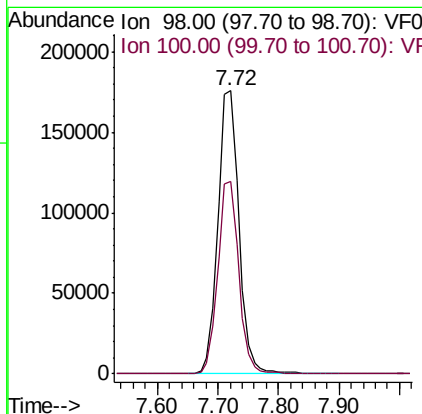
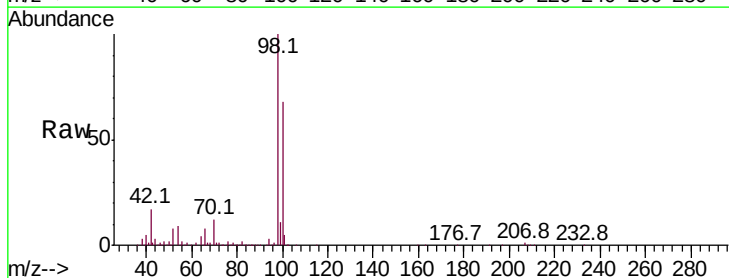
RT: 7.72 min Scan# 729

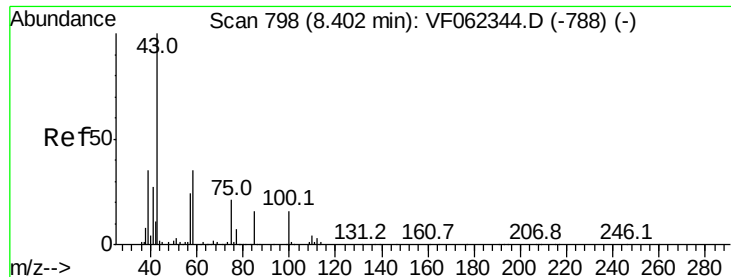
Delta R.T. 0.02 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Tgt Ion:	98	Resp:	425306
Ion	Ratio	Lower	Upper
98	100		
100	67.4	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 249.507 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Tot Ion: 43 Resp: 313804

Ion Ratio Lower Upper

43 100

58 33.7 27.8 41.6

Instrument :

MSVOA_F

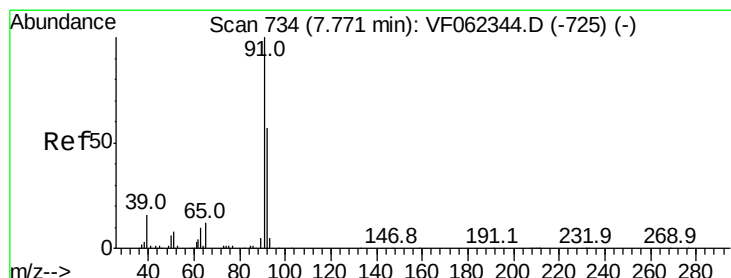
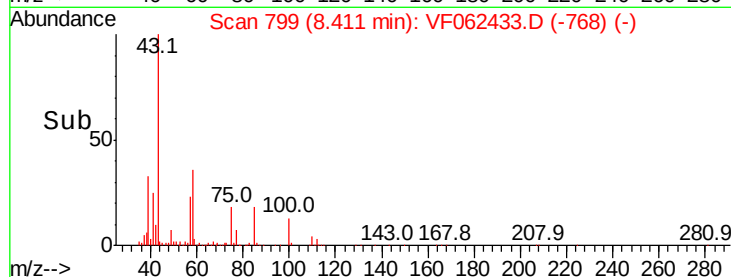
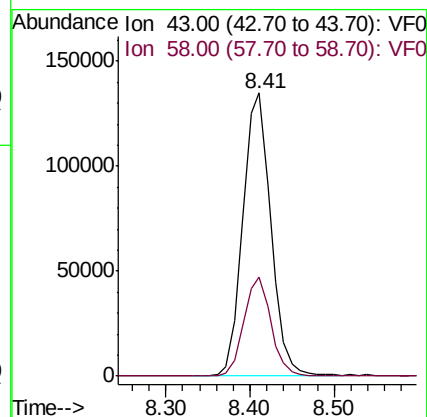
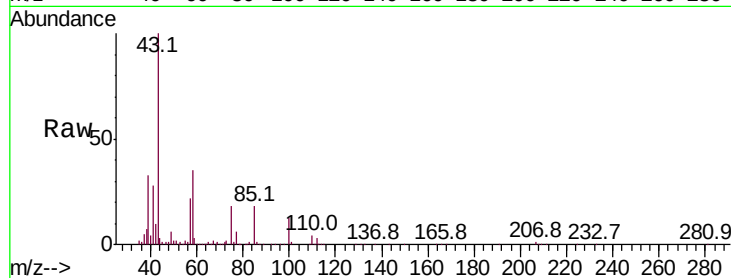
ClientSampleId :

VSTDCCC050

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#52

Toluene

Concen: 50.864 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.01 min

Lab File: VF062433.D

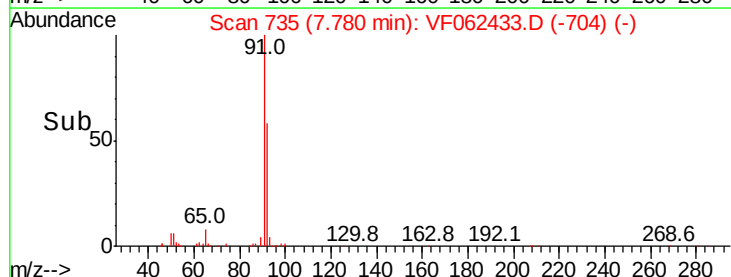
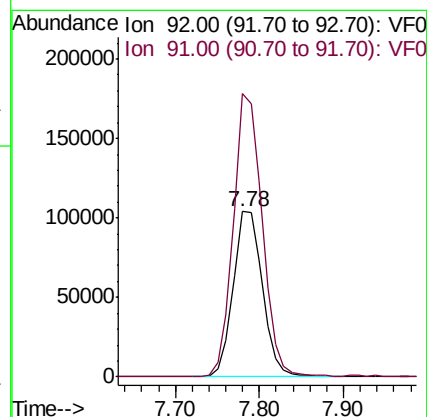
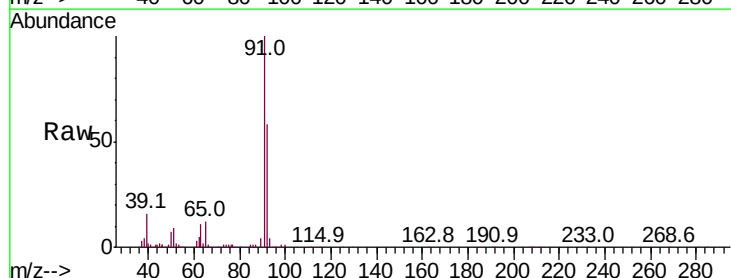
Acq: 10 May 2019 21:11

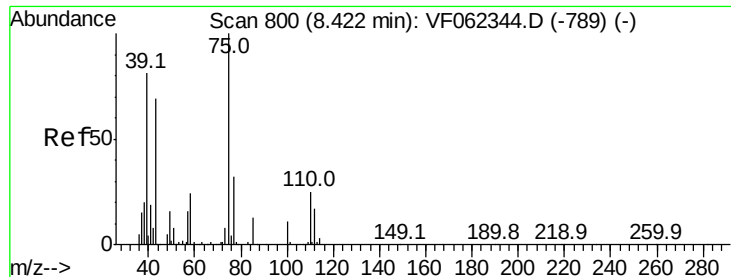
Tgt Ion: 92 Resp: 252142

Ion Ratio Lower Upper

92 100

91 169.1 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 50.577 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 144324

Ion Ratio Lower Upper

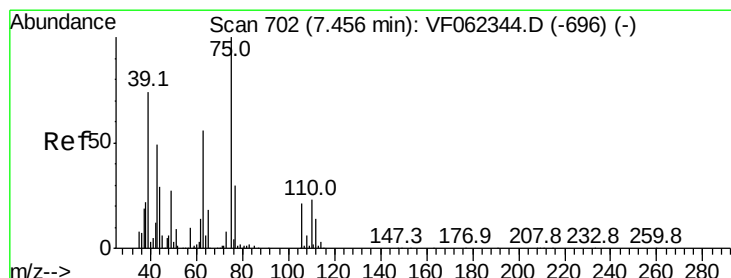
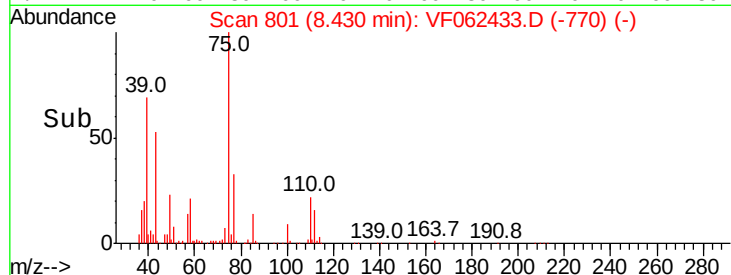
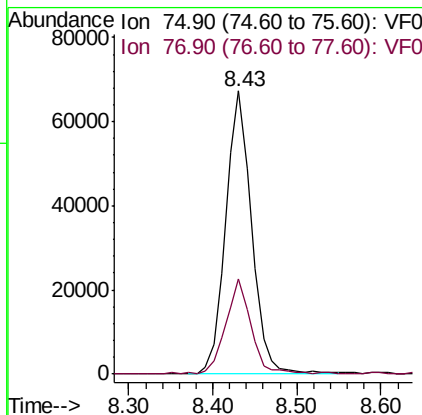
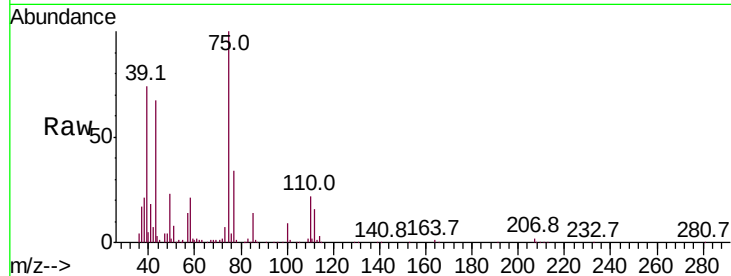
75 100

77 33.4 25.4 38.0

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 51.814 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

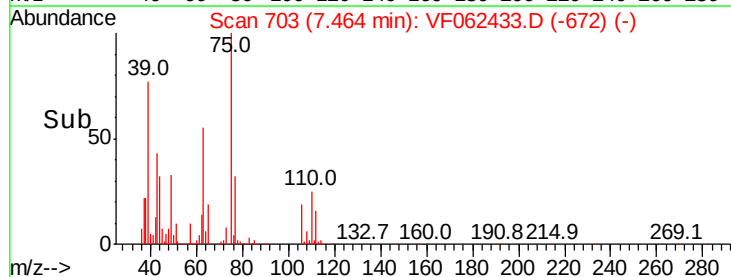
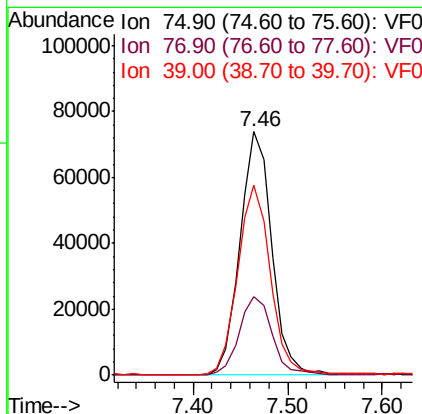
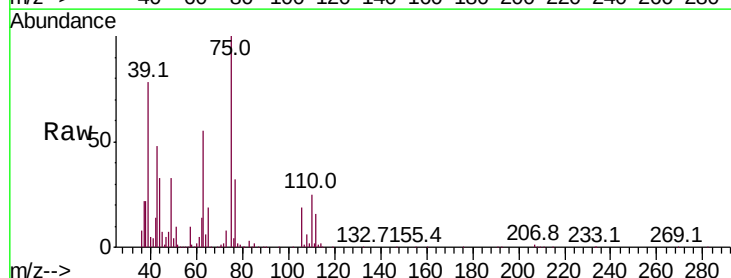
Tgt Ion: 75 Resp: 172078

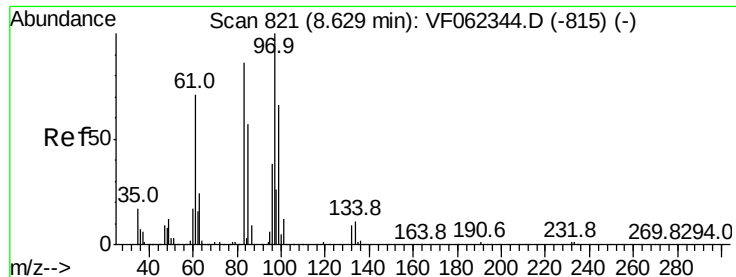
Ion Ratio Lower Upper

75 100

77 32.2 24.0 36.0

39 77.4 58.7 88.1





#55

1,1,2-Trichloroethane

Concen: 53.708 ug/l

RT: 8.64 min Scan# 822

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

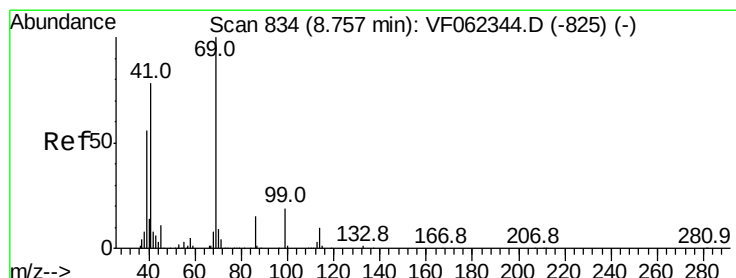
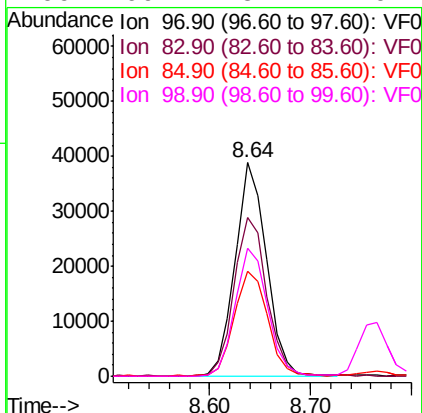
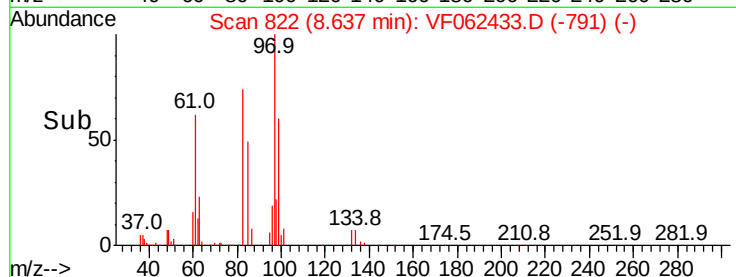
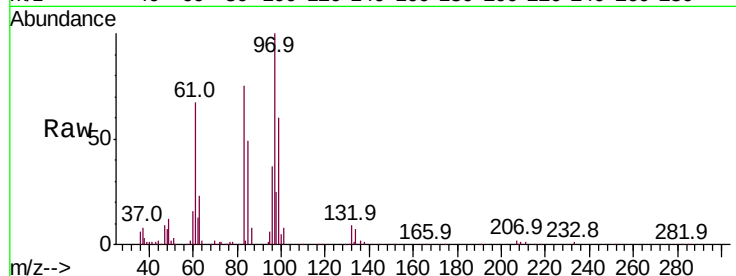
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	84519
Ion	Ratio	Lower	Upper
97	100		
83	74.2	68.5	102.7
85	49.4	45.4	68.2
99	60.1	52.7	79.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 50.463 ug/l

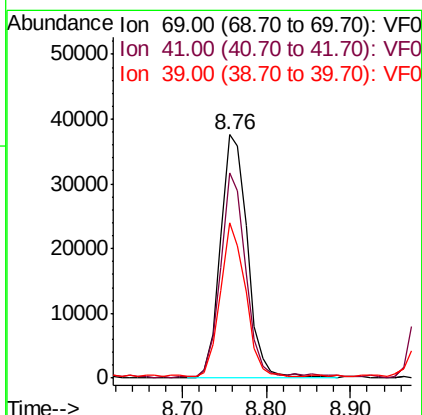
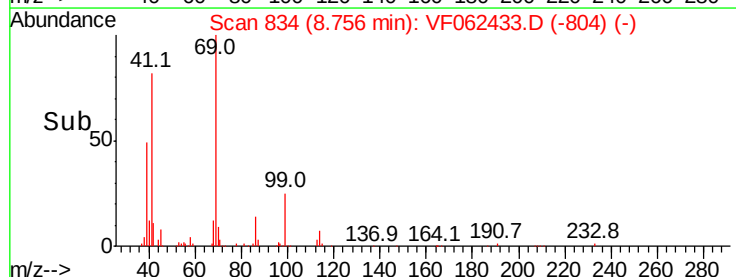
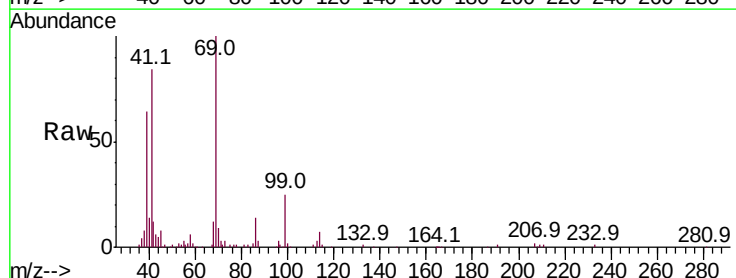
RT: 8.76 min Scan# 834

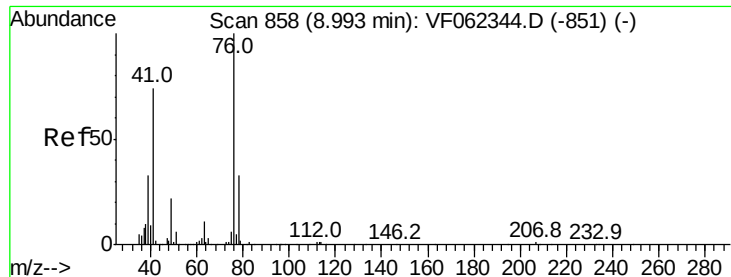
Delta R.T. -0.00 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Tgt Ion:	69	Resp:	83827
Ion	Ratio	Lower	Upper
69	100		
41	79.2	66.3	99.5
39	58.0	50.1	75.1





#57

1,3-Dichloropropane

Concen: 53.109 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 126242

Ion Ratio Lower Upper

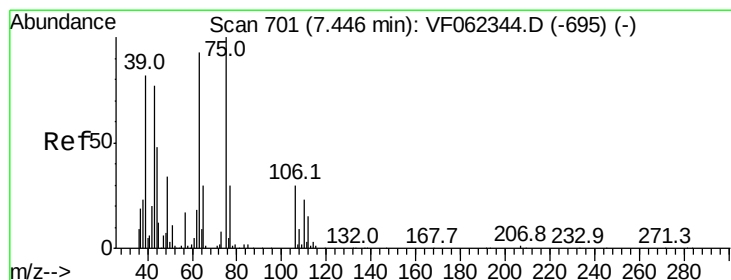
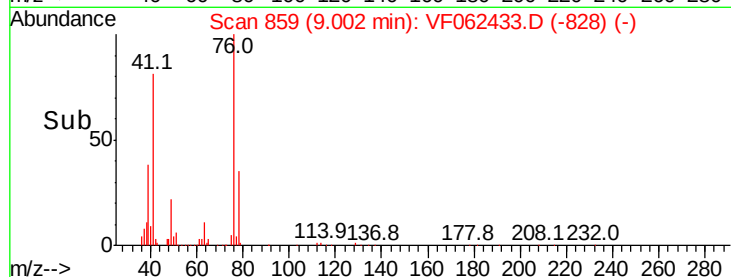
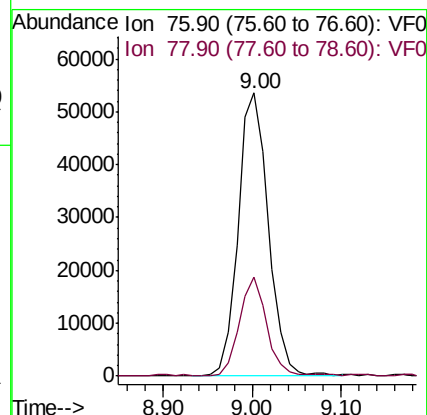
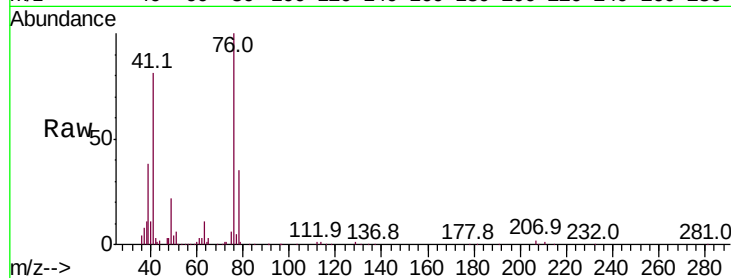
76 100

78 31.6 26.4 39.6

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 223.185 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF062433.D

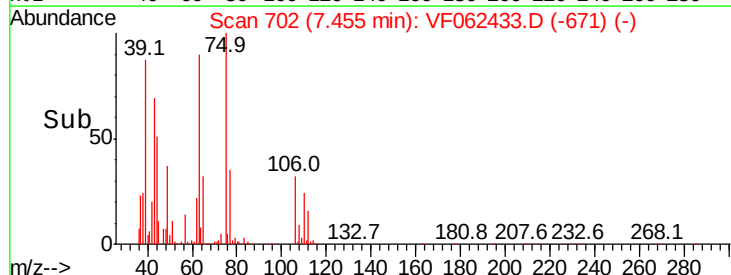
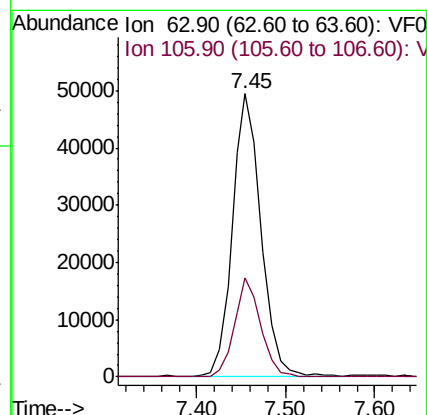
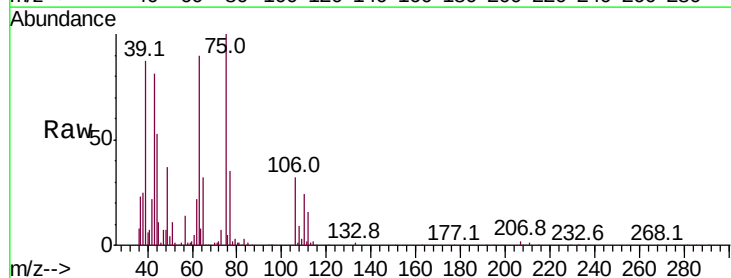
Acq: 10 May 2019 21:11

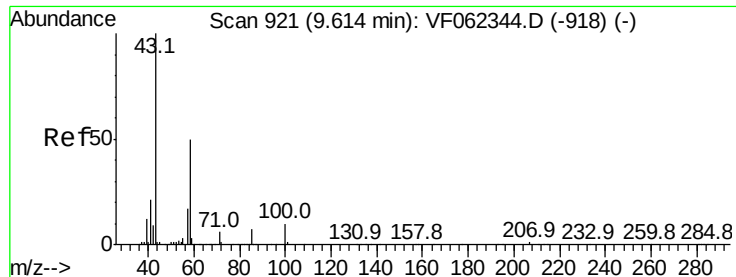
Tgt Ion: 63 Resp: 111463

Ion Ratio Lower Upper

63 100

106 32.0 25.8 38.8





#59

2-Hexanone

Concen: 240.624 ug/l

RT: 9.62 min Scan# 922

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 209301

Ion Ratio Lower Upper

43 100

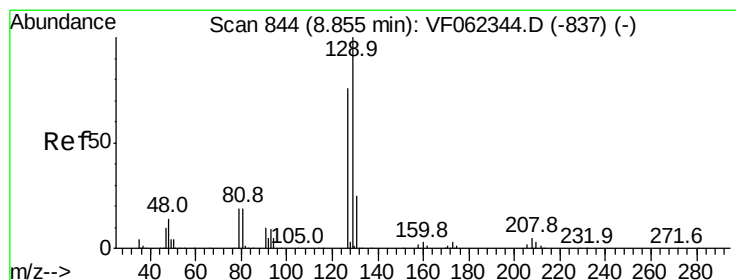
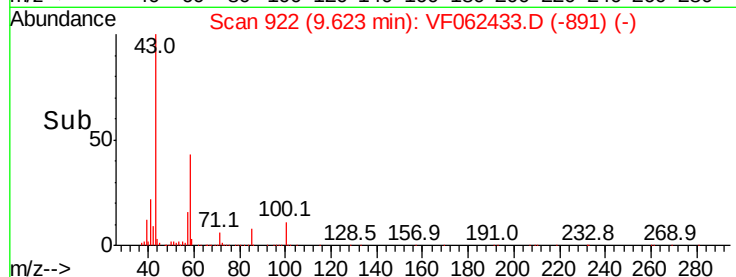
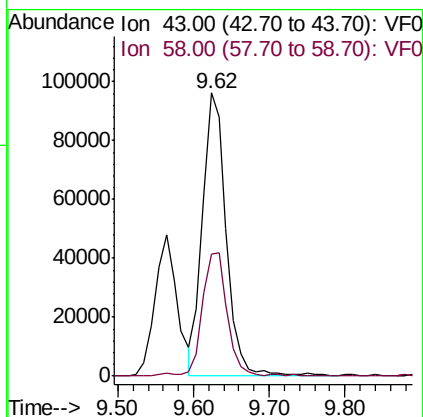
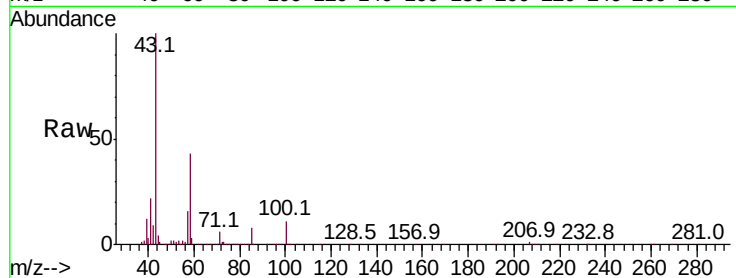
58 46.8 24.3 73.0

Manual Integrations

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#60

Dibromochloromethane

Concen: 55.322 ug/l

RT: 8.86 min Scan# 845

Delta R.T. 0.01 min

Lab File: VF062433.D

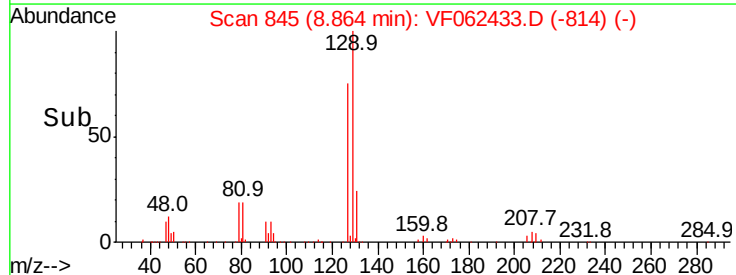
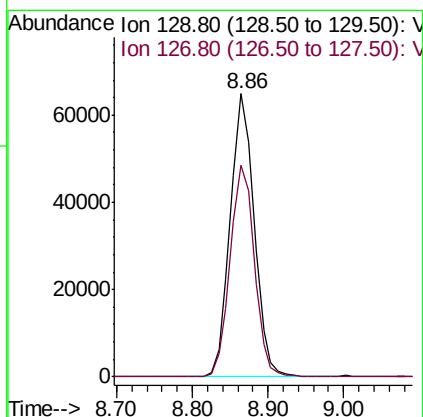
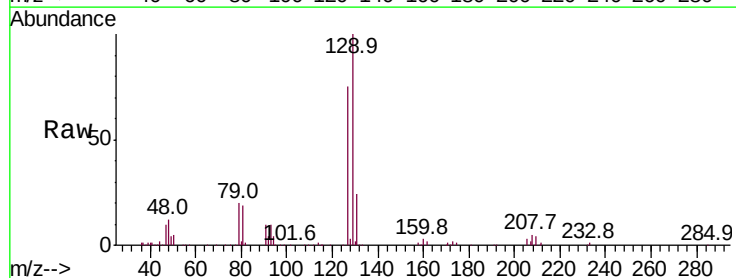
Acq: 10 May 2019 21:11

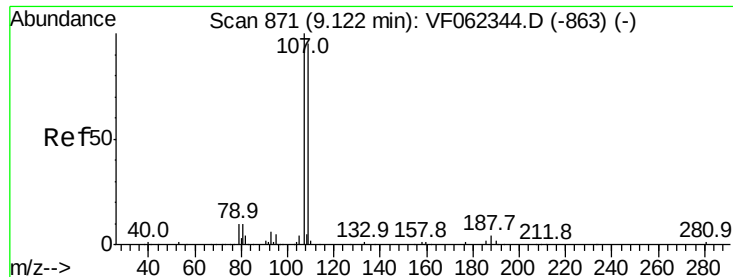
Tgt Ion: 129 Resp: 142387

Ion Ratio Lower Upper

129 100

127 75.7 38.5 115.3





#61

1,2-Dibromoethane

Concen: 51.869 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.02 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 95934

Ion Ratio Lower Upper

107 100

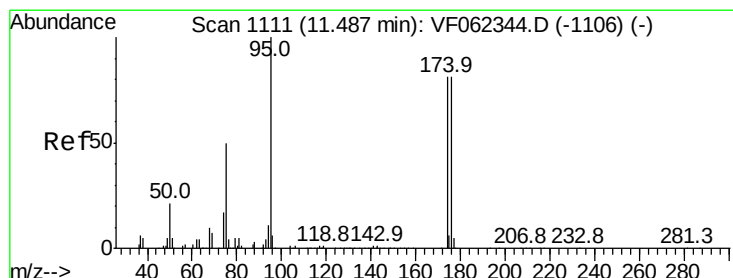
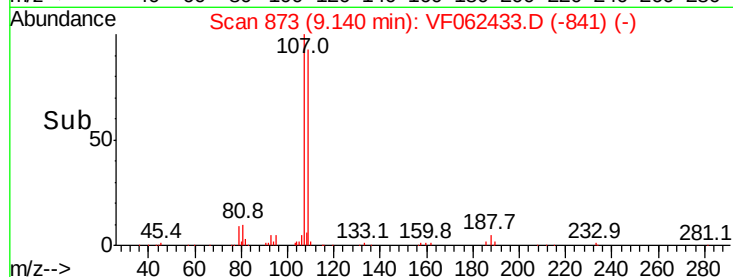
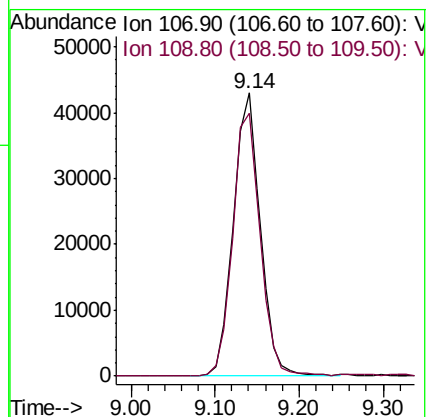
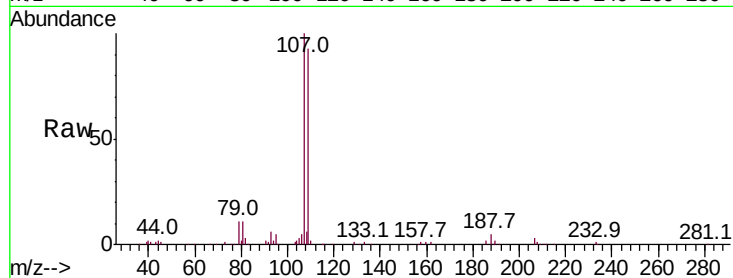
109 95.0 75.2 112.8

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 50.874 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

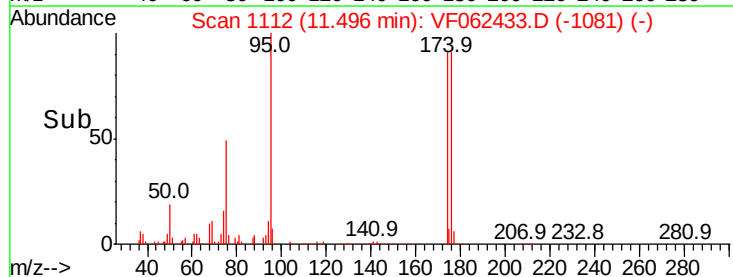
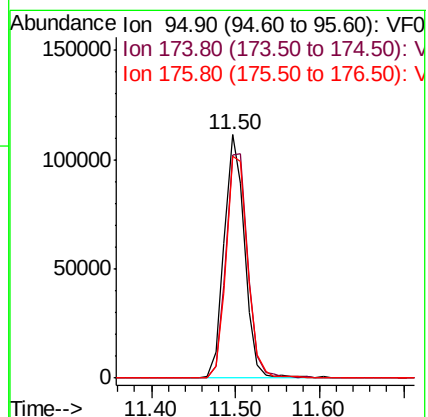
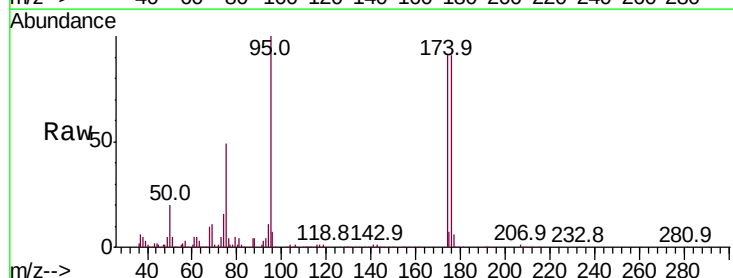
Tgt Ion: 95 Resp: 188029

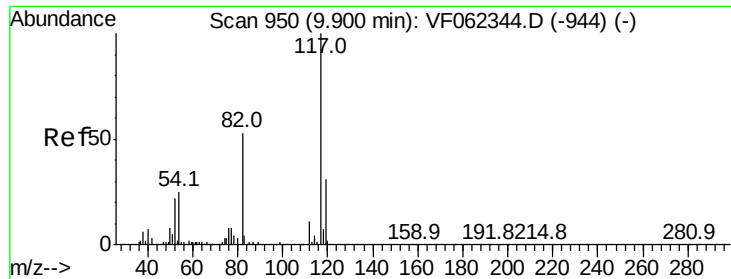
Ion Ratio Lower Upper

95 100

174 99.0 0.0 191.8

176 95.9 0.0 193.2





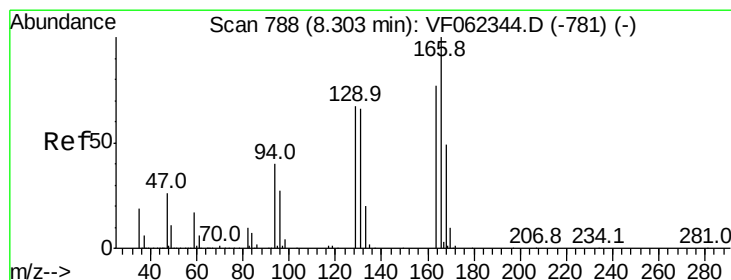
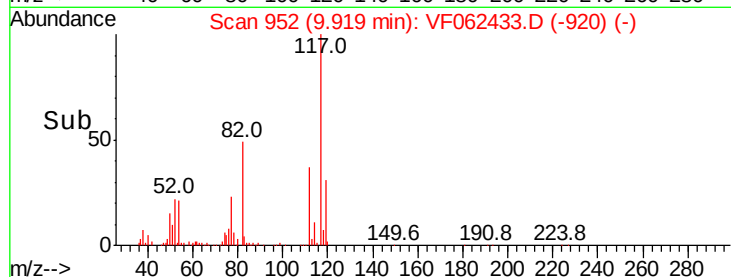
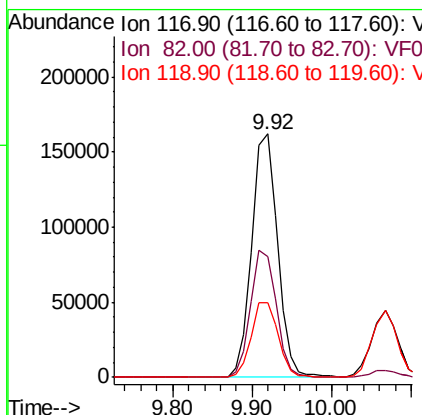
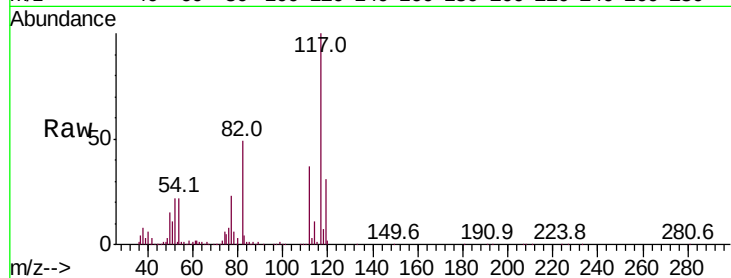
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.02 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	361179		
82	49.4	42.2	63.2	
119	30.6	25.0	37.4	

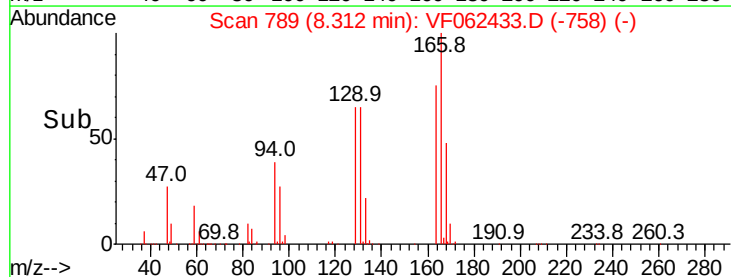
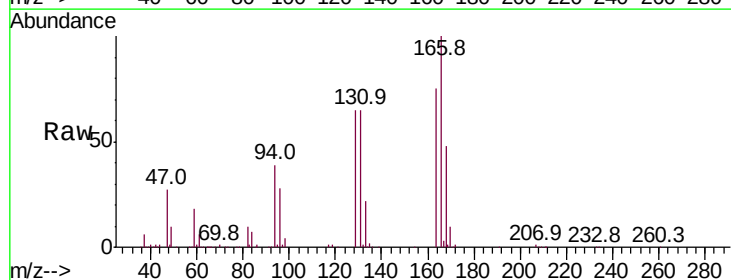
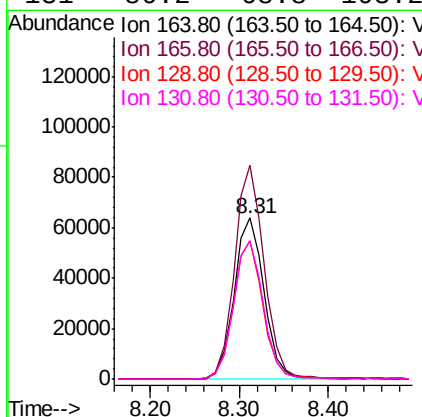
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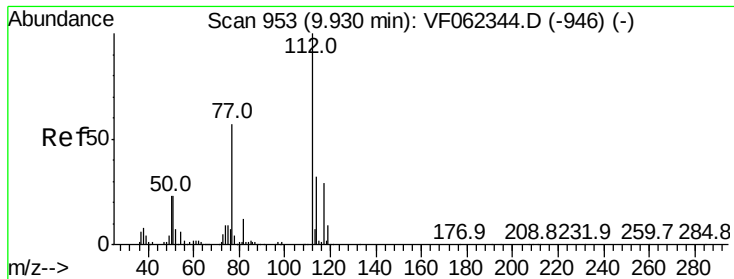
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#64
Tetrachloroethene
Concen: 50.710 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	148689		
166	132.9	104.2	156.4	
129	85.9	69.6	104.4	
131	86.2	68.8	103.2	





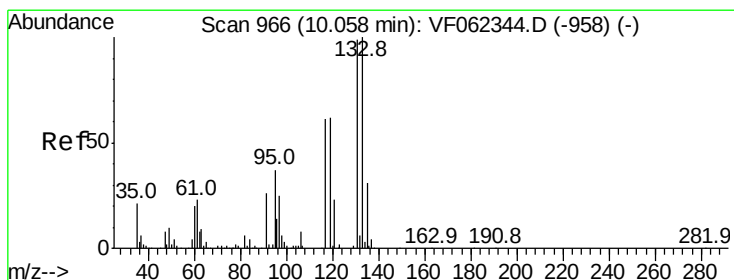
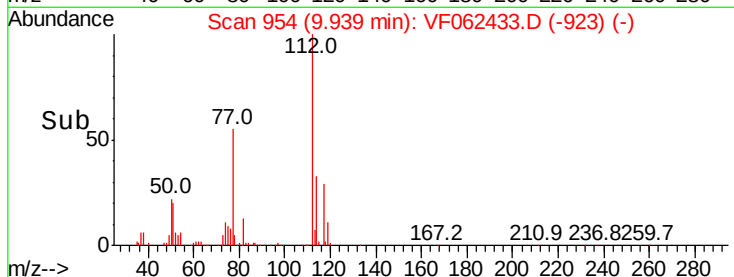
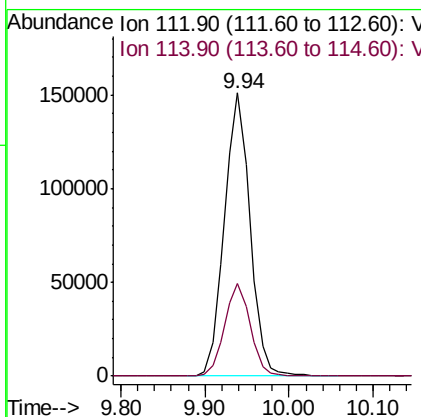
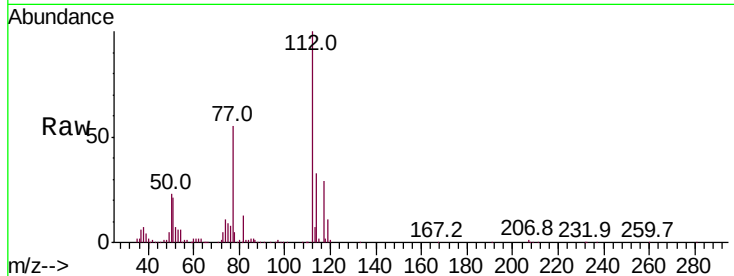
#65
Chlorobenzene
Concen: 53.626 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 320468
Ion Ratio Lower Upper
112 100
114 32.9 25.4 38.0

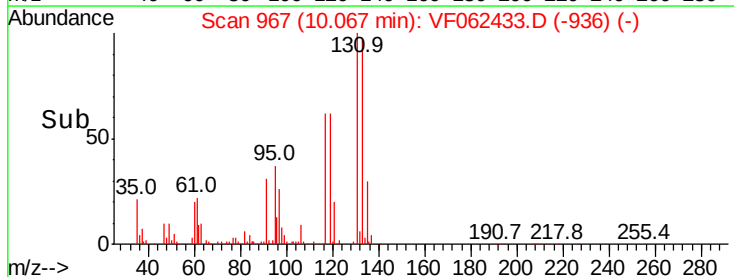
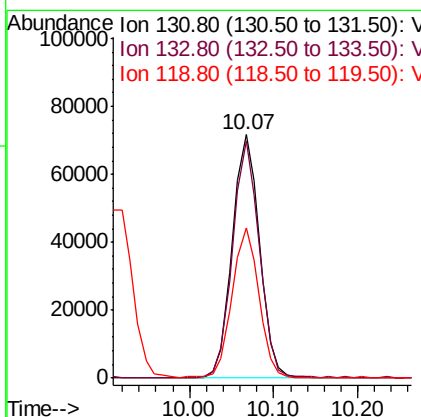
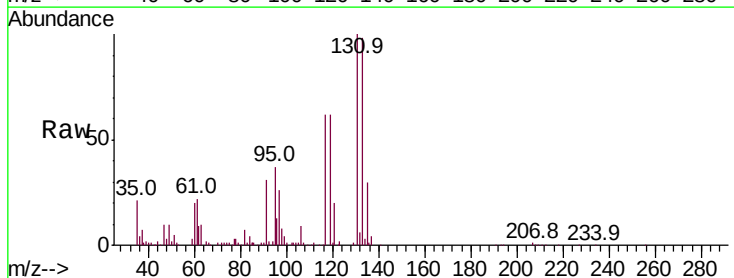
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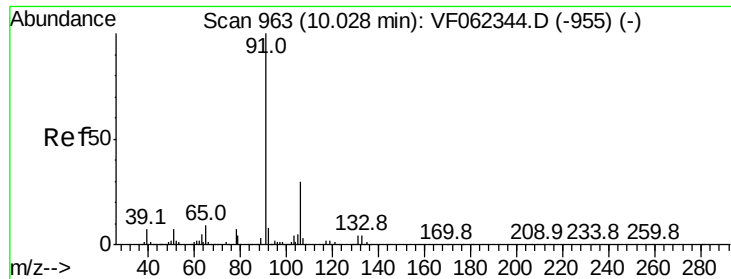
MMDadoda
5/11/2019 3:49:08 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.771 ug/l
RT: 10.07 min Scan# 967
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Tgt Ion:131 Resp: 162103
Ion Ratio Lower Upper
131 100
133 96.3 50.2 150.7
119 60.4 31.6 95.0





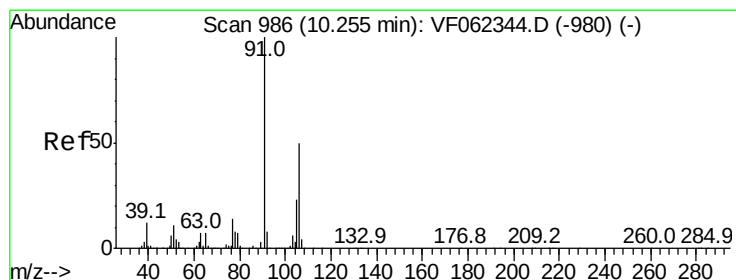
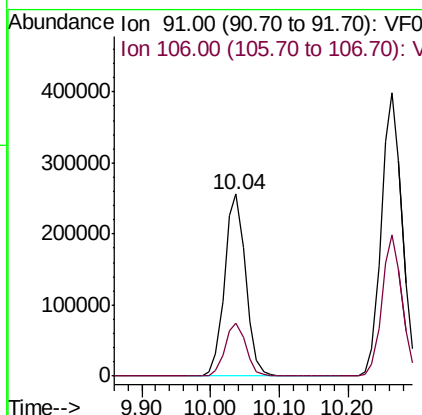
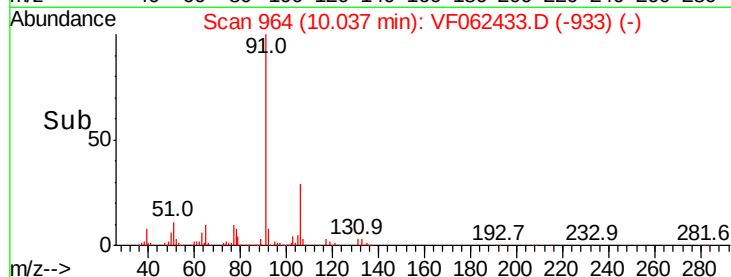
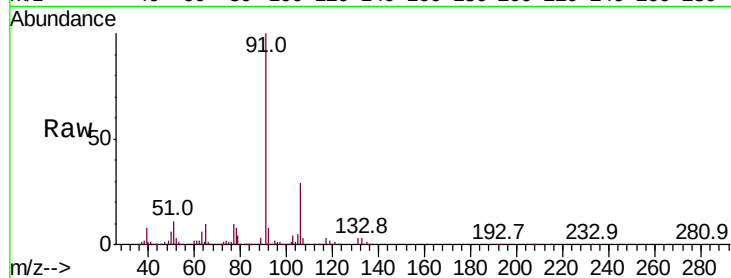
#67
Ethyl Benzene
Concen: 52.043 ug/l
RT: 10.04 min Scan# 964
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 544597
Ion Ratio Lower Upper
91 100
106 29.3 24.1 36.1

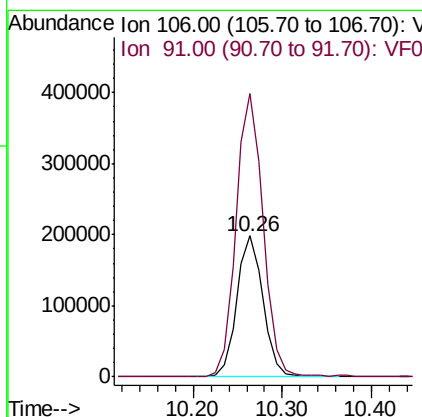
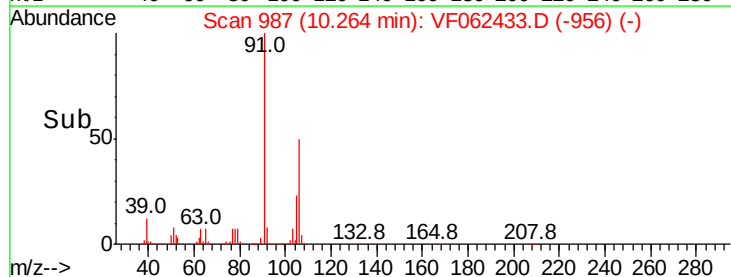
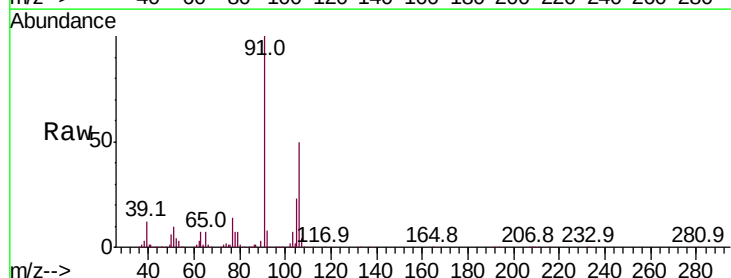
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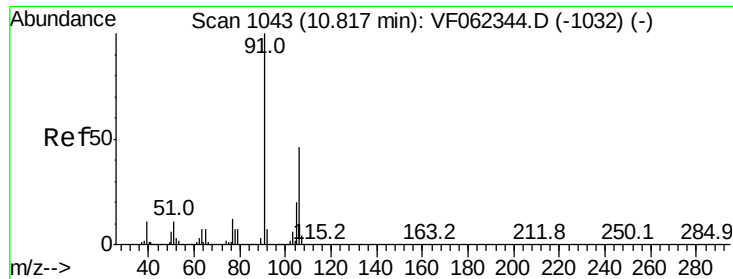
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#68
m/p-Xylenes
Concen: 104.858 ug/l
RT: 10.26 min Scan# 987
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Tgt Ion:106 Resp: 404854
Ion Ratio Lower Upper
106 100
91 208.2 167.4 251.2





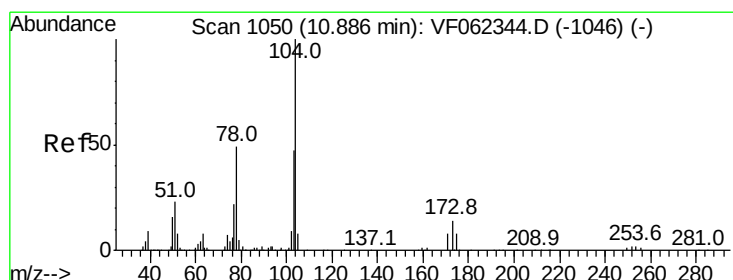
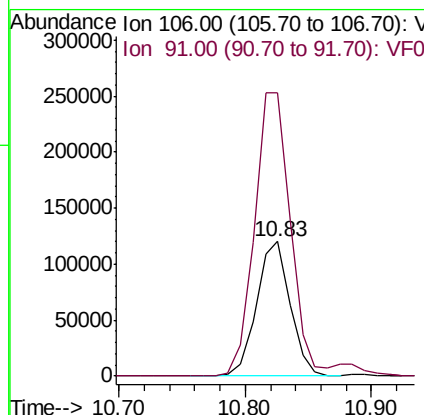
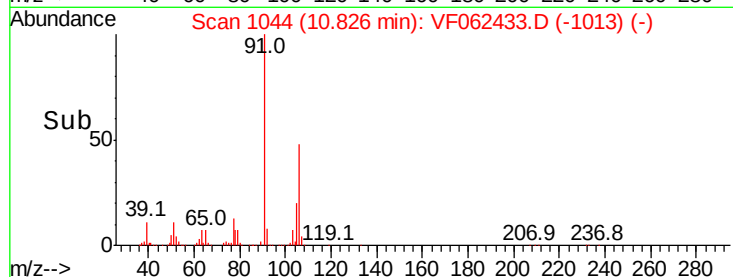
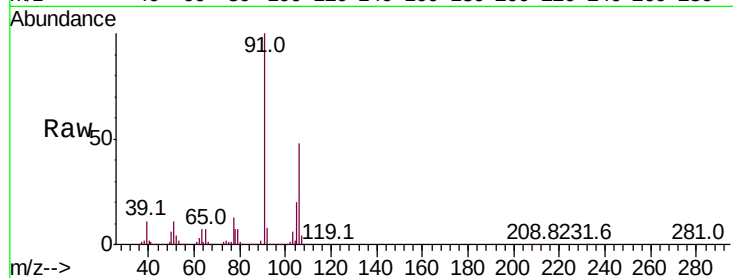
#69
o-Xylene
Concen: 53.555 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
106	100	223436		
91	223.7	111.3	333.8	

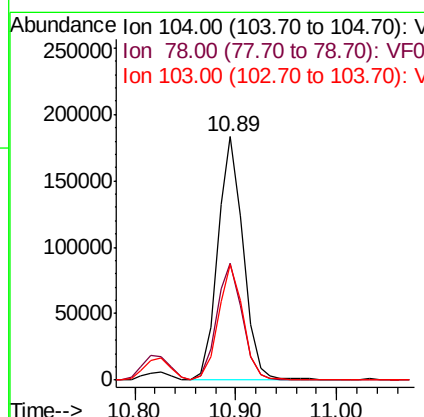
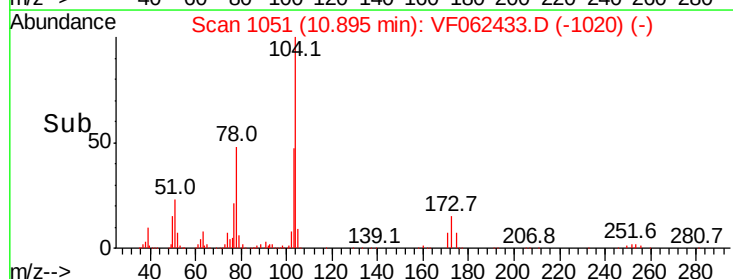
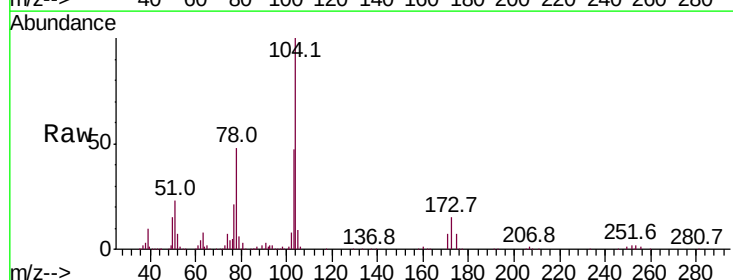
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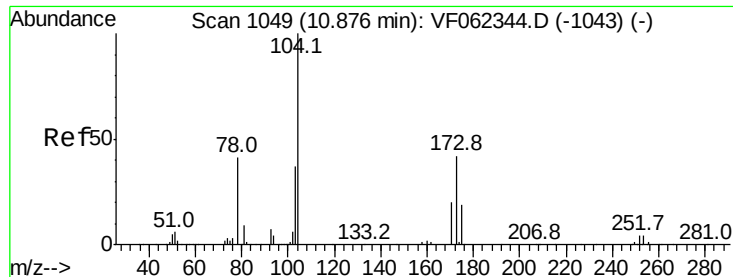
MMDadoda
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#70
Styrene
Concen: 51.283 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	320657		
78	48.9	39.5	59.3	
103	46.1	38.4	57.6	





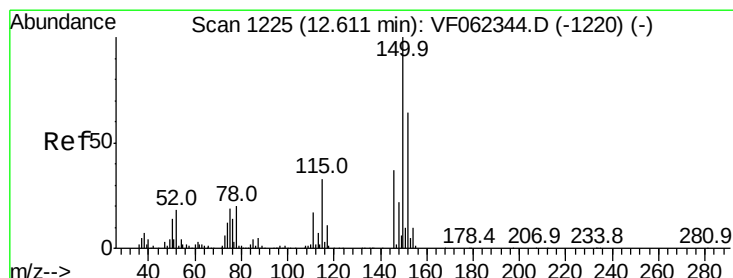
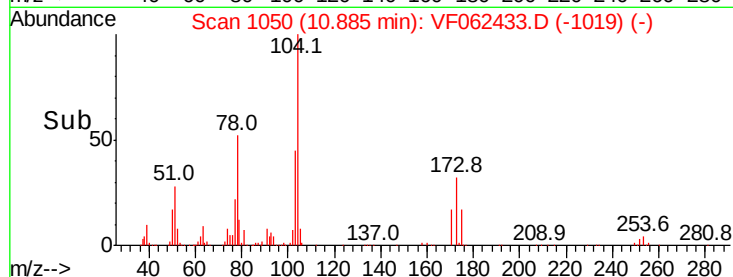
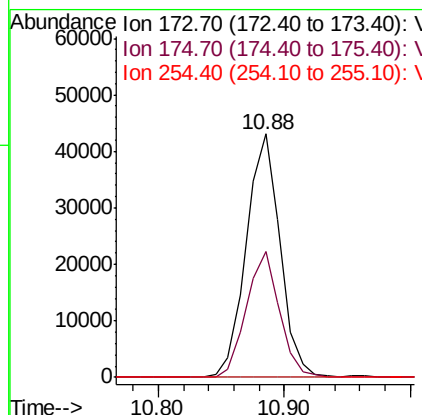
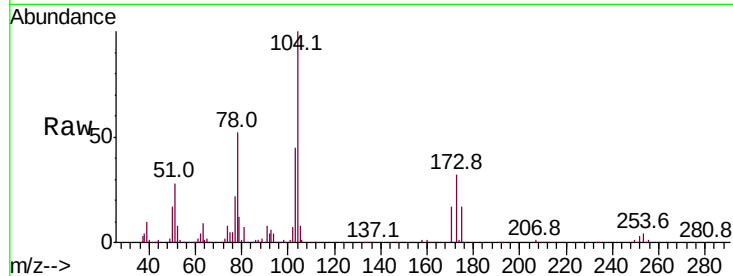
#71
Bromoform
Concen: 48.553 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.8	23.8	71.2
254	0.1	0.1	0.1

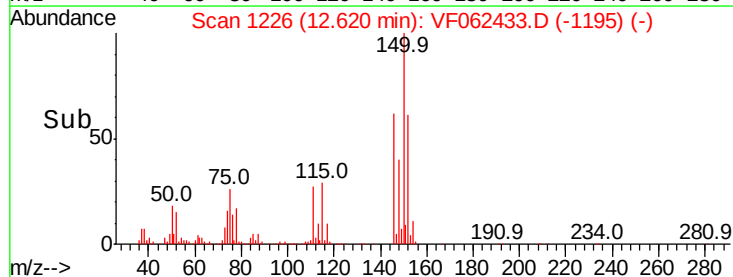
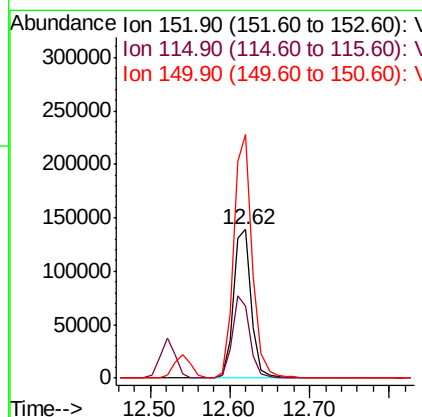
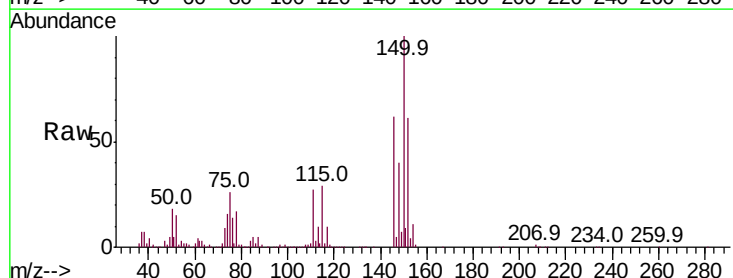
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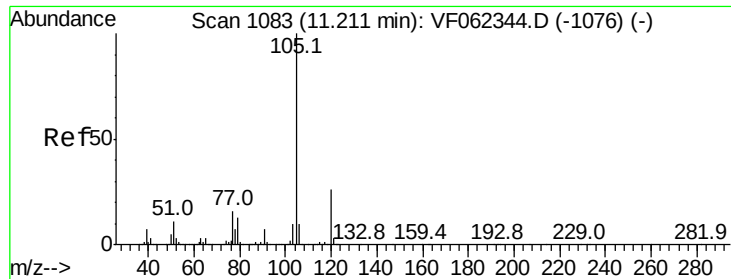
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.8	26.4	79.2
150	169.2	0.0	335.0





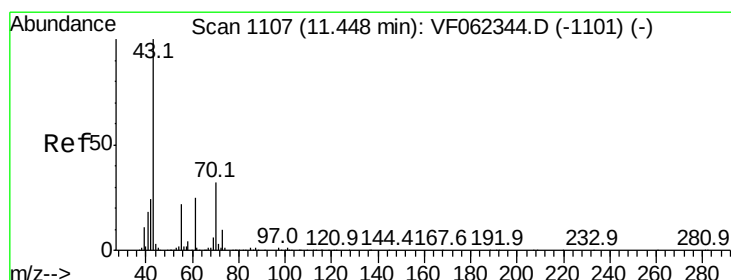
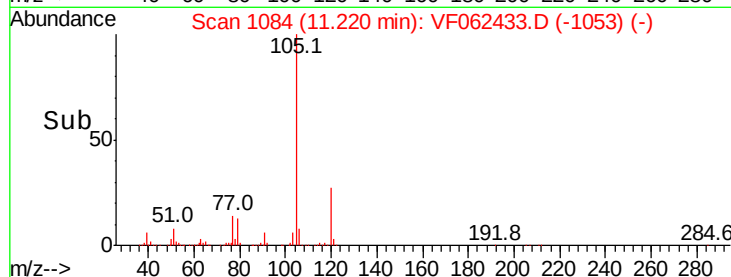
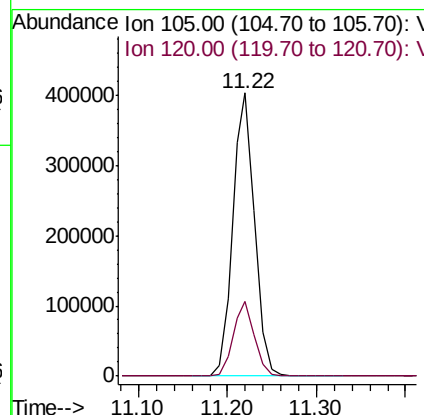
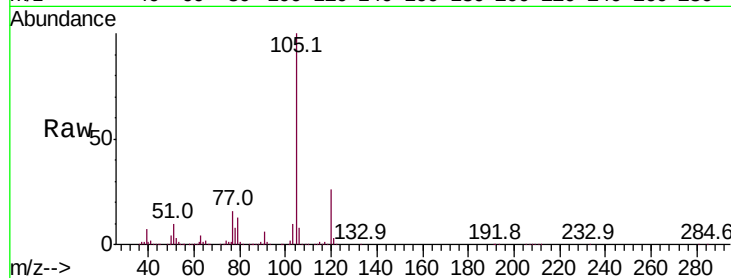
#73
Isopropylbenzene
Concen: 53.679 ug/l
RT: 11.22 min Scan# 1084
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 696843
Ion Ratio Lower Upper
105 100
120 25.5 12.7 38.0

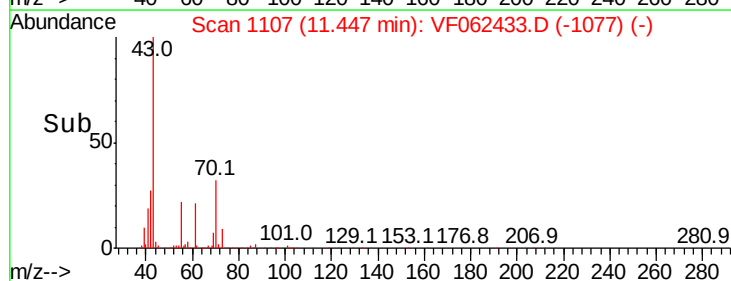
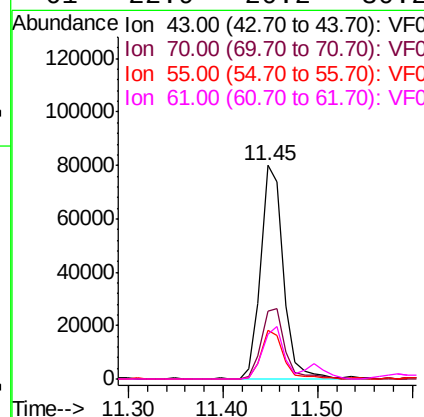
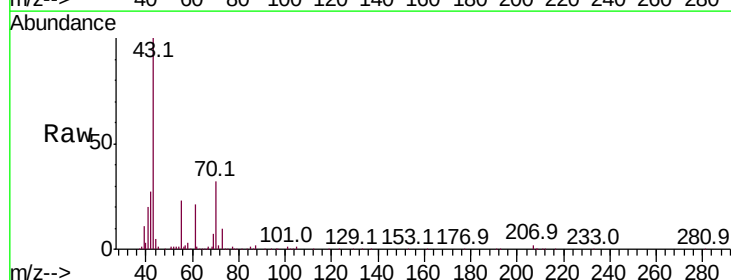
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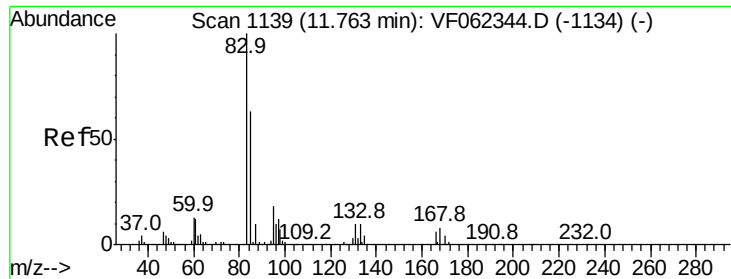
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#74
N-ethyl acetate
Concen: 47.814 ug/l
RT: 11.45 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Tgt Ion: 43 Resp: 133257
Ion Ratio Lower Upper
43 100
70 34.8 26.5 39.7
55 23.0 17.8 26.6
61 22.9 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 50.196 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

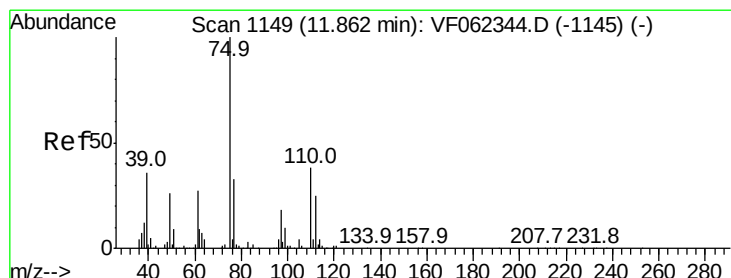
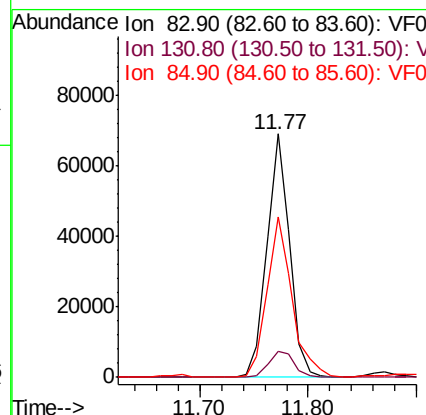
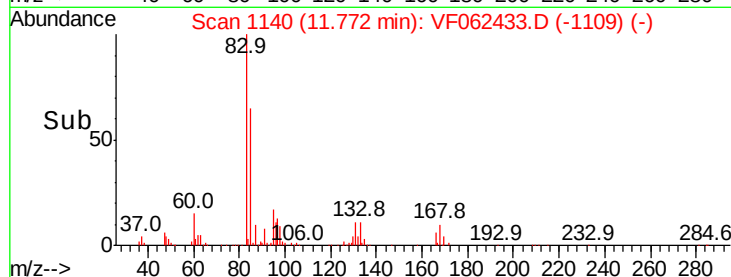
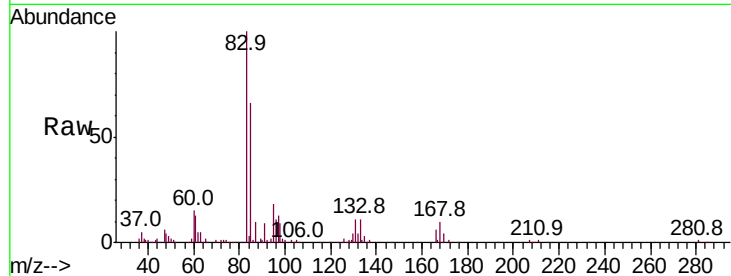
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	102028
Ion Ratio	Lower	Upper	
83	100		
131	12.2	5.8	17.4
85	72.9	35.3	105.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.999 ug/l

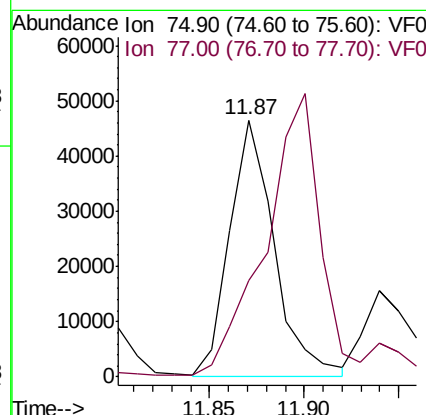
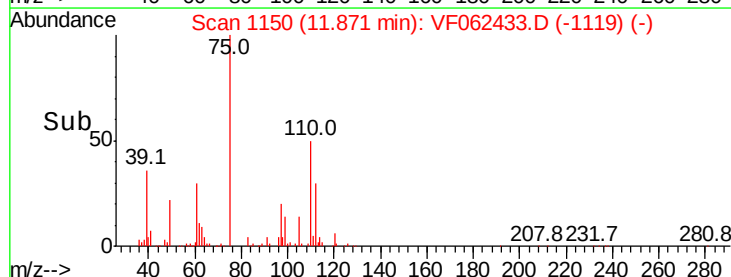
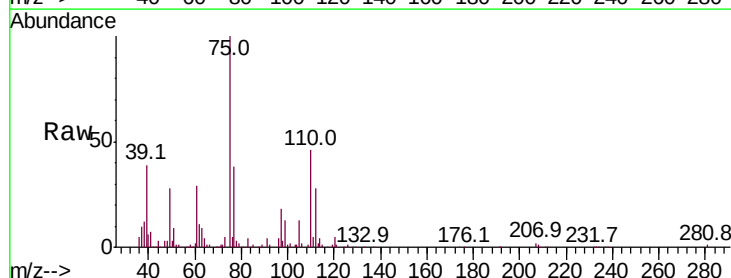
RT: 11.87 min Scan# 1150

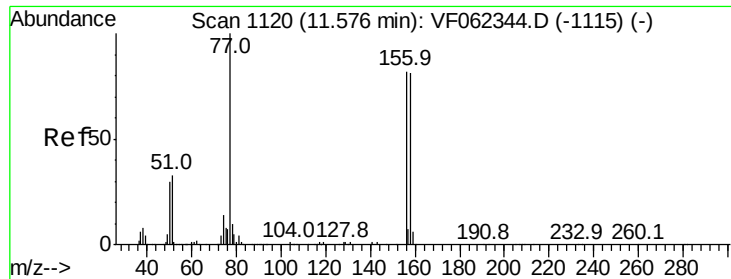
Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Tgt Ion:	75	Resp:	75985
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





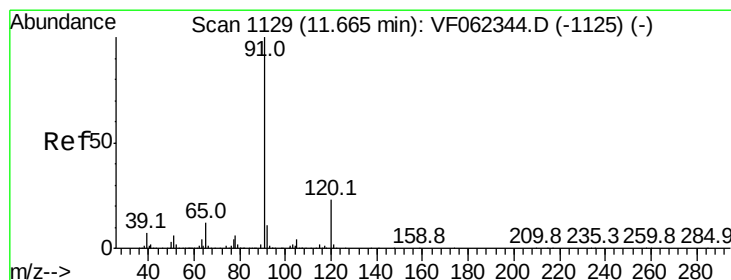
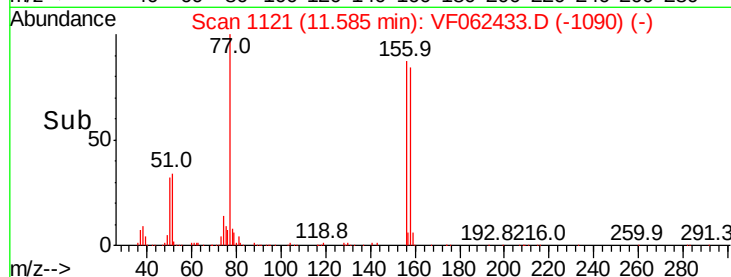
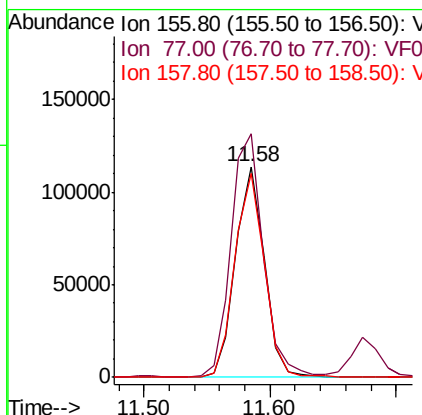
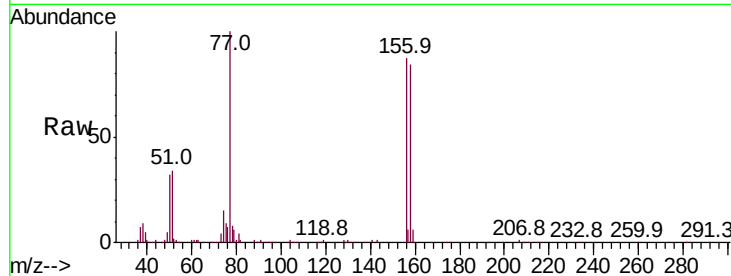
#77
Bromobenzene
Concen: 52.967 ug/l
RT: 11.58 min Scan# 1121
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	128.1	64.8	194.3
158	99.8	49.1	147.3

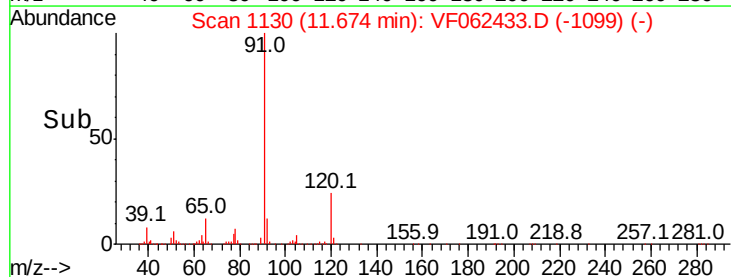
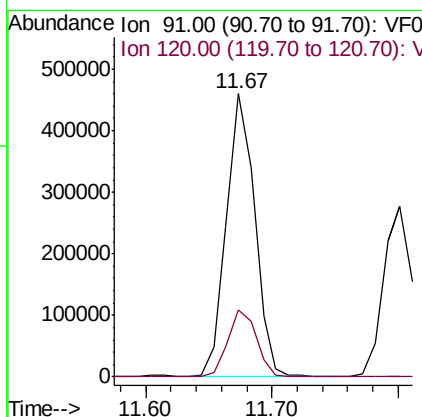
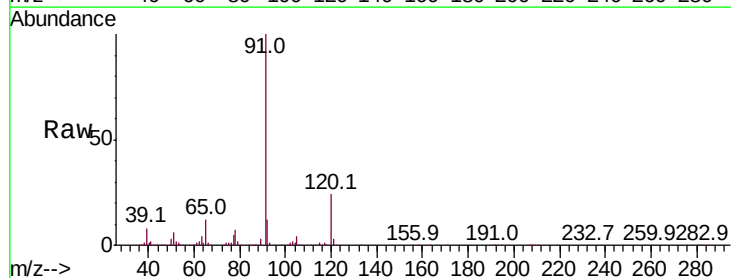
Manual Integrations
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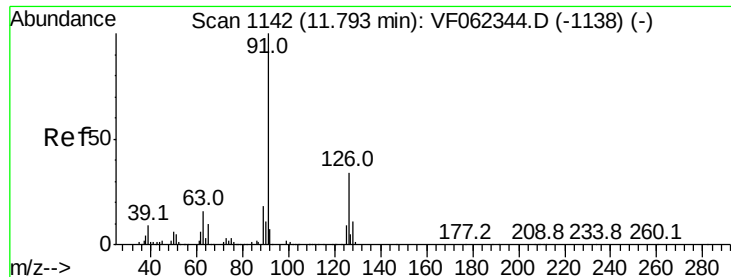
MMDadoda
5/11/2019 3:49:08 PM



#78
n-propylbenzene
Concen: 51.900 ug/l
RT: 11.67 min Scan# 1130
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.9	35.5





#79

2-Chlorotoluene

Concen: 51.879 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 445856

Ion Ratio Lower Upper

91 100

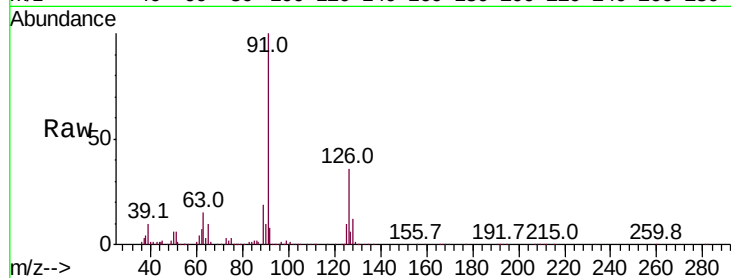
126 35.7 17.8 53.4

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

11.80

250000

200000

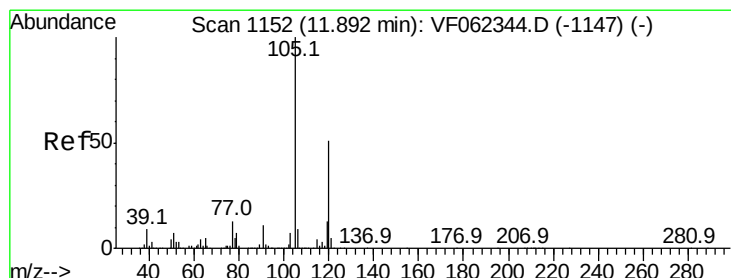
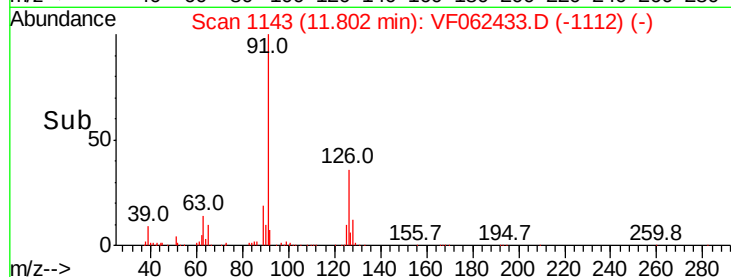
150000

100000

50000

0

Time--> 11.70 11.75 11.80 11.85



#80

1,3,5-Trimethylbenzene

Concen: 52.756 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF062433.D

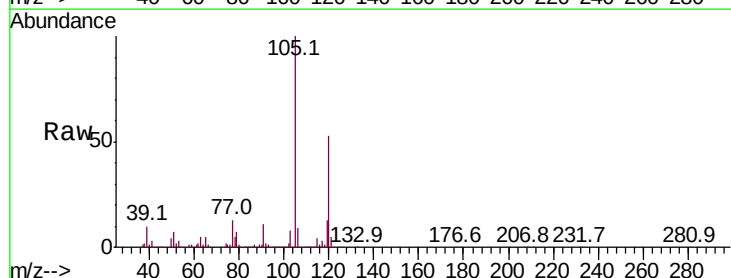
Acq: 10 May 2019 21:11

Tgt Ion:105 Resp: 600272

Ion Ratio Lower Upper

105 100

120 50.6 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

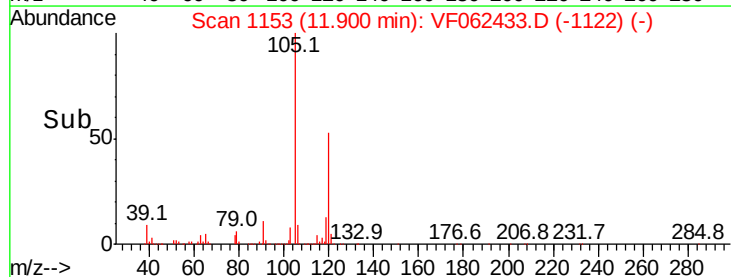
300000

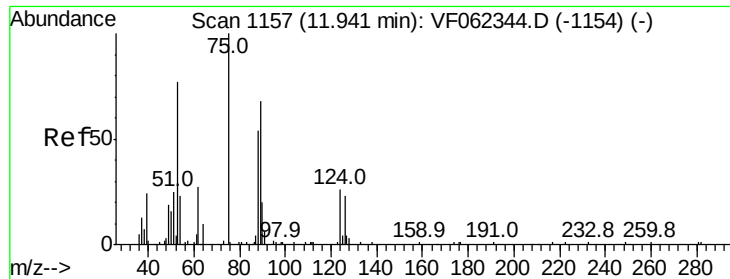
200000

100000

0

Time--> 11.80 11.90 12.00





#81

trans-1,4-Dichloro-2-butene

Concen: 42.460 ug/l m

RT: 11.94 min Scan# 1157

Delta R.T. -0.00 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

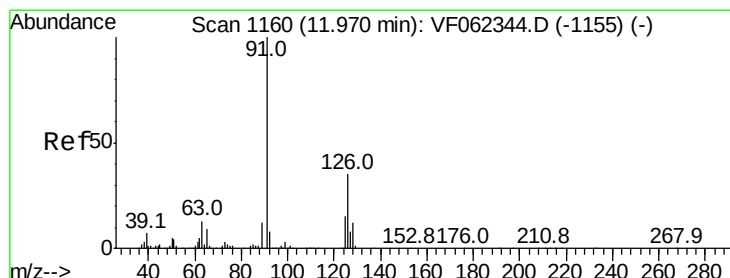
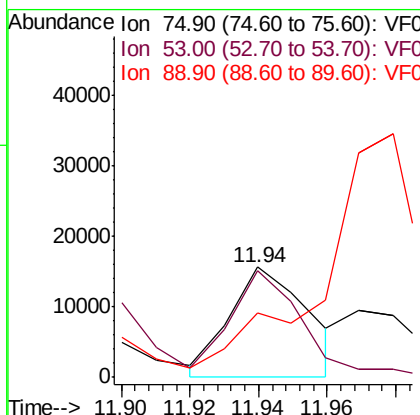
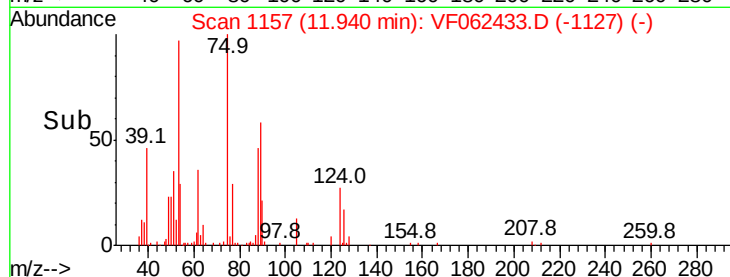
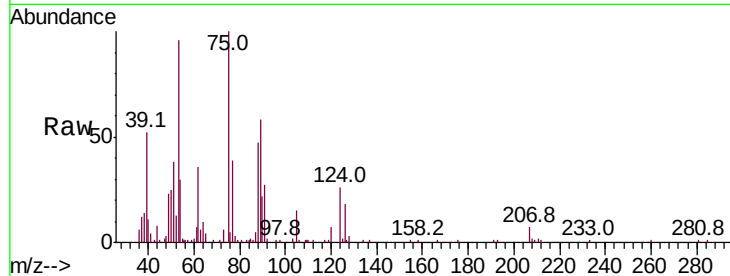
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	24750
Ion	Ratio	Lower	Upper
75	100		
53	92.6	71.9	107.9
89	0.0	0.0	0.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.655 ug/l

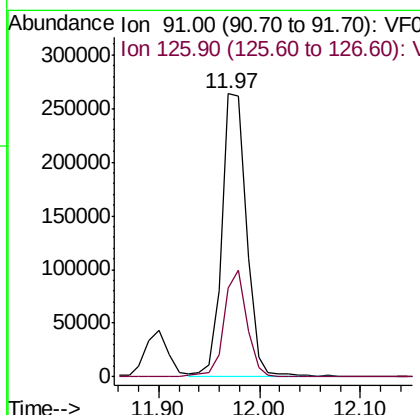
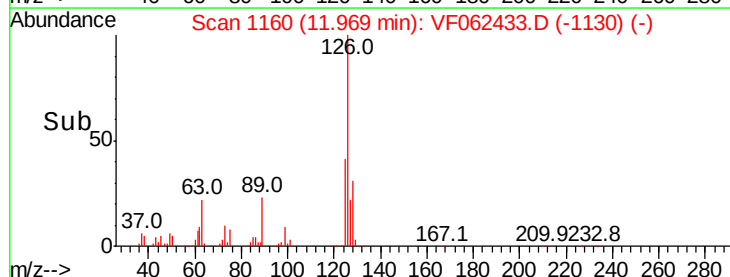
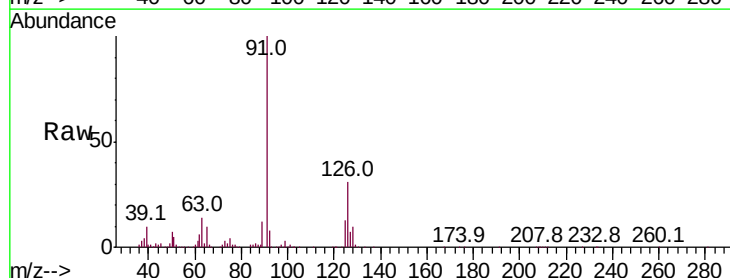
RT: 11.97 min Scan# 1160

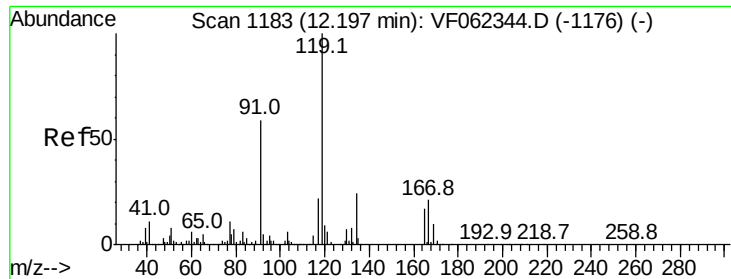
Delta R.T. -0.00 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Tgt Ion:	91	Resp:	446944
Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.7	53.1





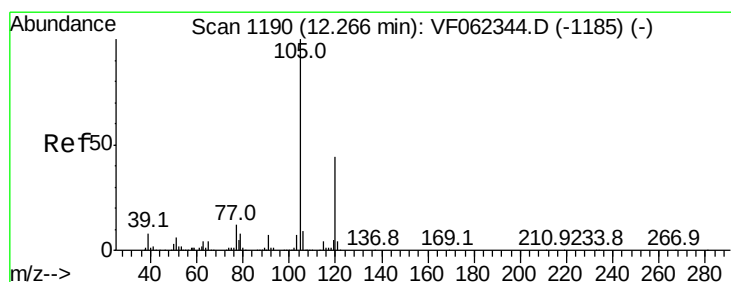
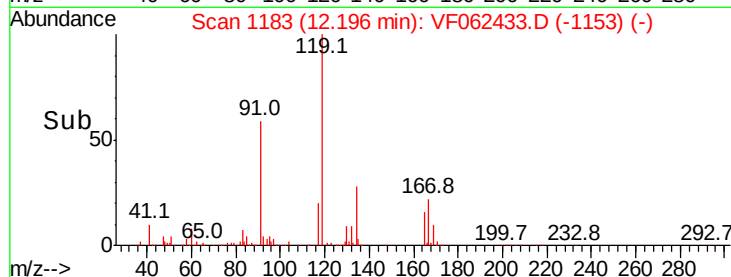
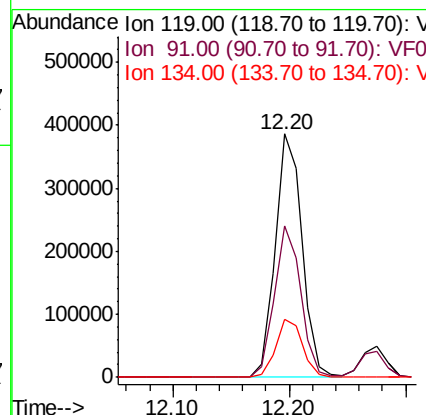
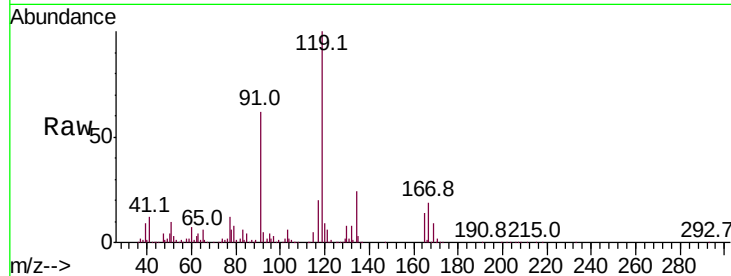
#83
 tert-Butylbenzene
 Concen: 51.502 ug/l
 RT: 12.20 min Scan# 1183
 Delta R.T. -0.00 min
 Lab File: VF062433.D
 Acq: 10 May 2019 21:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	615862		
91	61.1	30.4	91.3	
134	23.7	11.9	35.7	

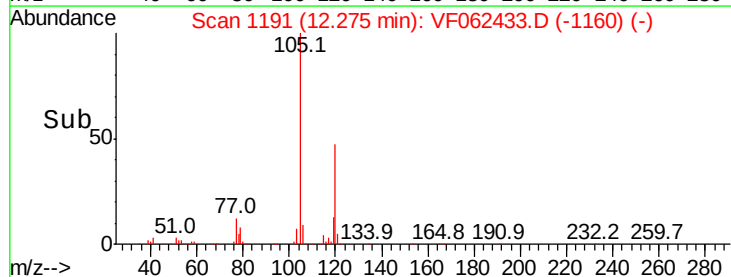
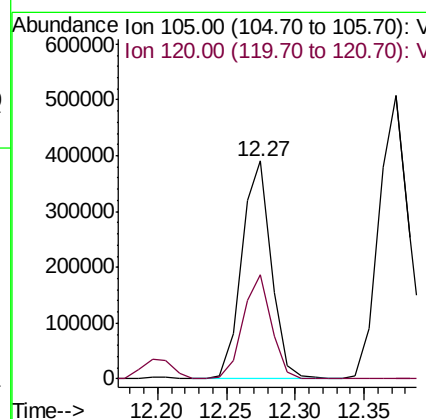
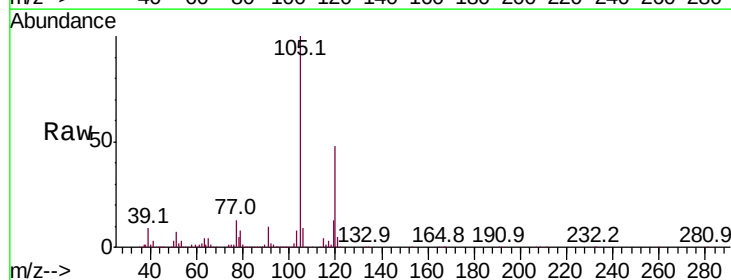
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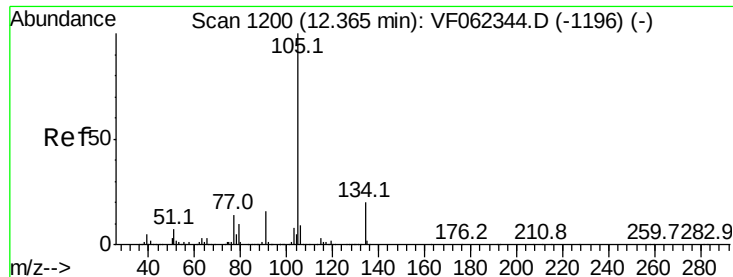
MMDadoda
 5/11/2019 3:49:08 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.133 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VF062433.D
 Acq: 10 May 2019 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	580503		
120	46.0	22.6	67.7	





#85

sec-Butylbenzene

Concen: 52.650 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 766326

Ion Ratio Lower Upper

105 100

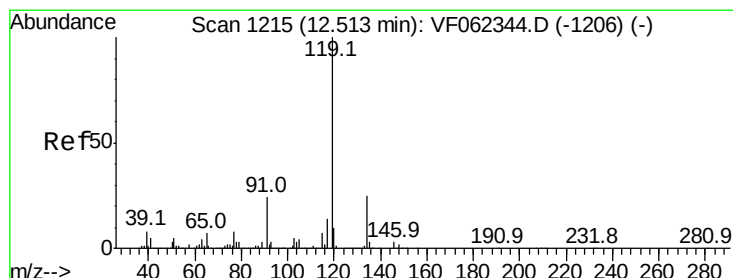
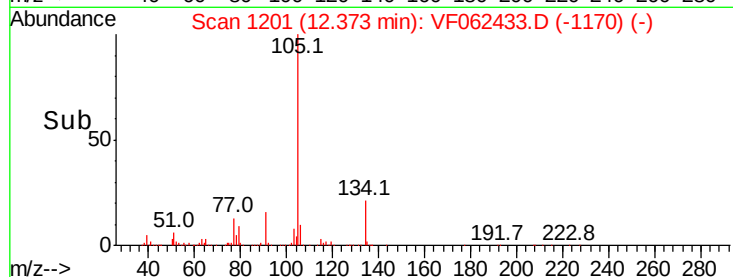
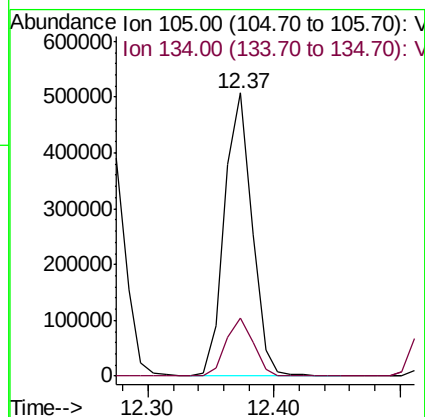
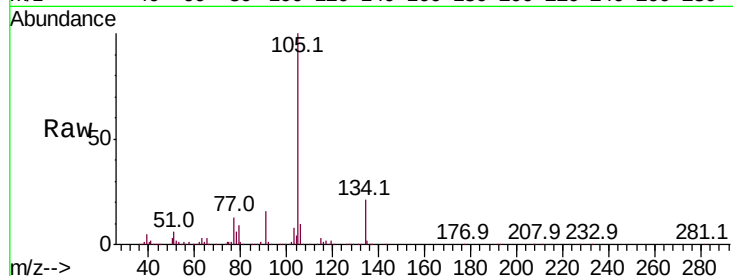
134 20.3 9.8 29.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 52.586 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

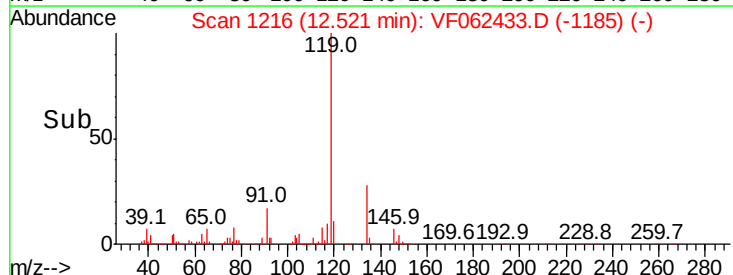
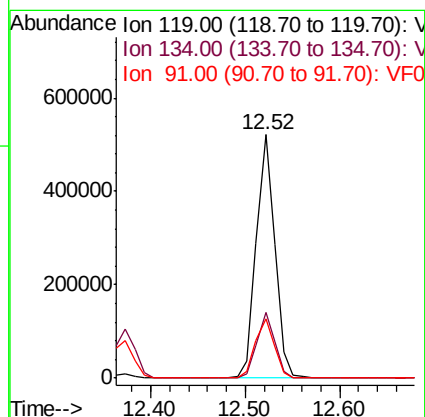
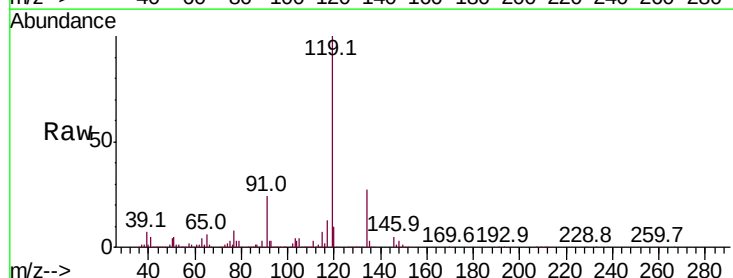
Tgt Ion:119 Resp: 711124

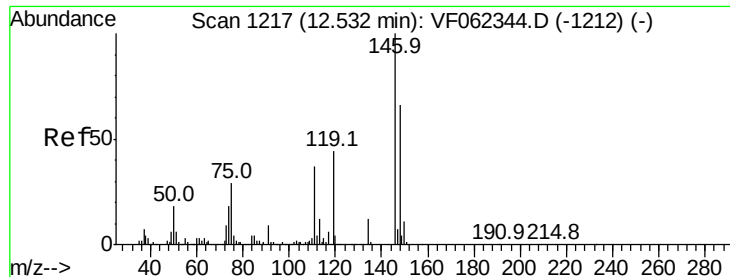
Ion Ratio Lower Upper

119 100

134 26.3 12.9 38.7

91 25.2 12.3 36.8





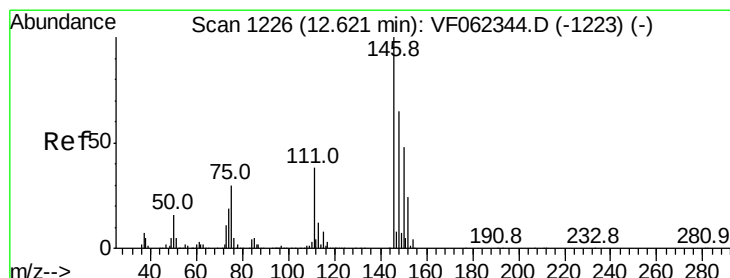
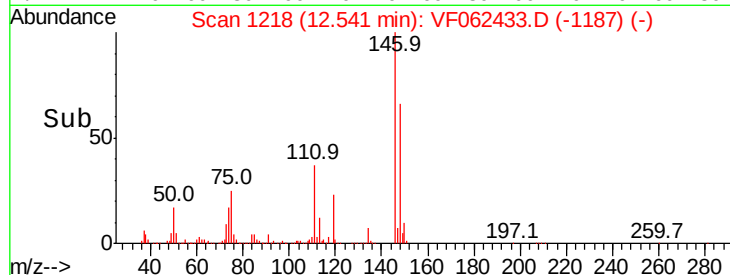
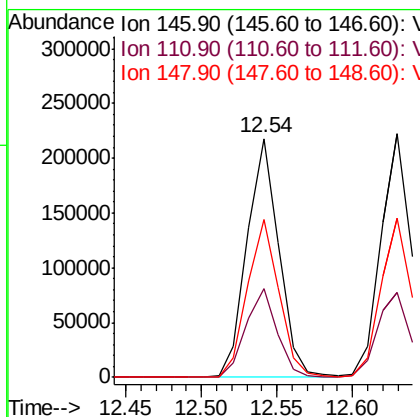
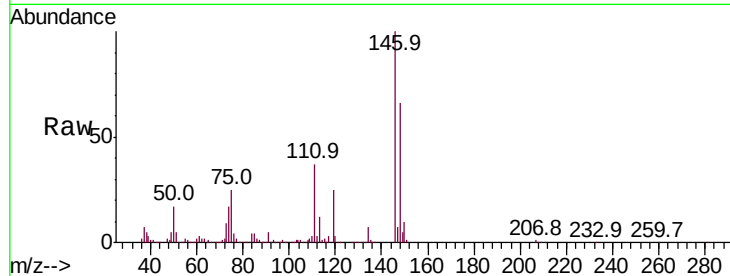
#87
 1,3-Dichlorobenzene
 Concen: 51.839 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VF062433.D
 Acq: 10 May 2019 21:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	322562		
111	36.6	18.3	54.8	
148	65.7	32.3	96.9	

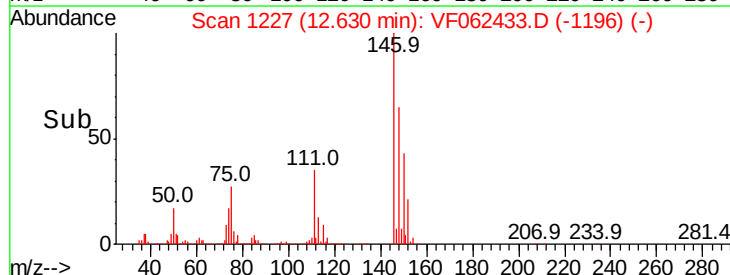
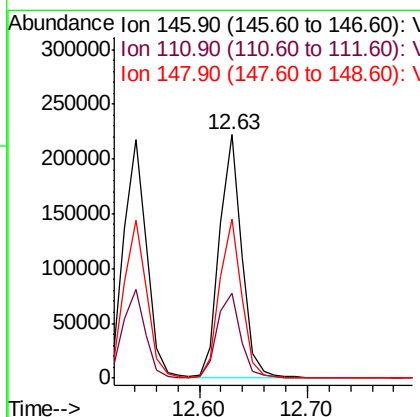
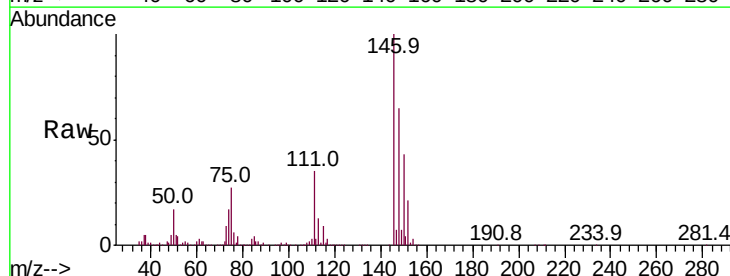
Manual Integrations
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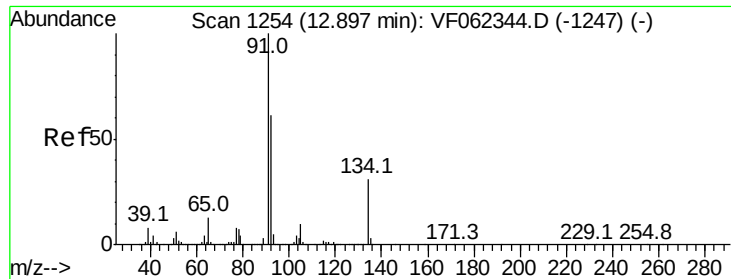
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 52.944 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. 0.01 min
 Lab File: VF062433.D
 Acq: 10 May 2019 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	317961		
111	36.6	18.8	56.3	
148	64.7	32.2	96.6	





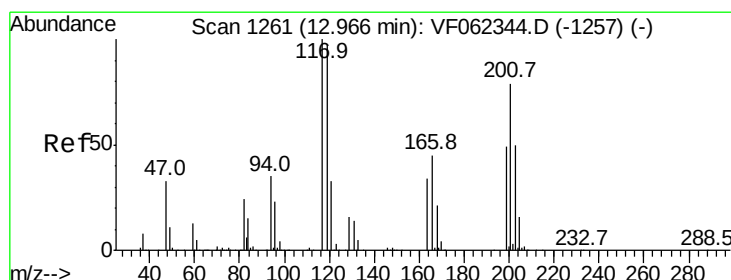
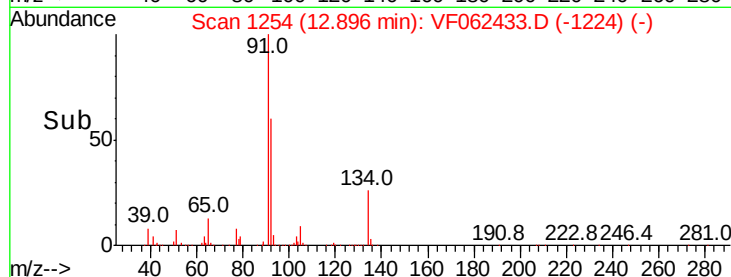
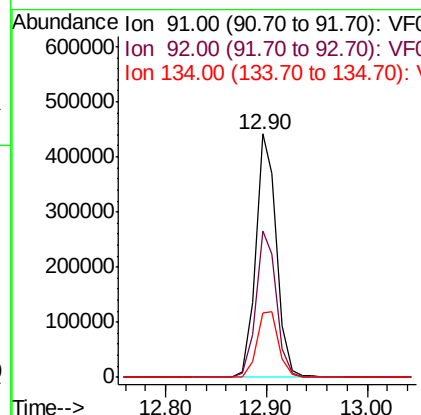
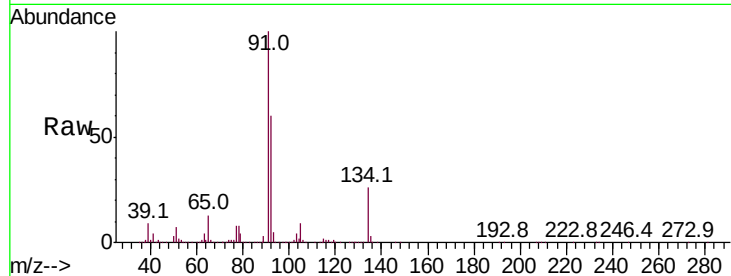
#89
n-Butylbenzene
Concen: 52.686 ug/l
RT: 12.90 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	633878		
92	59.4		30.0	90.0
134	28.7		14.1	42.4

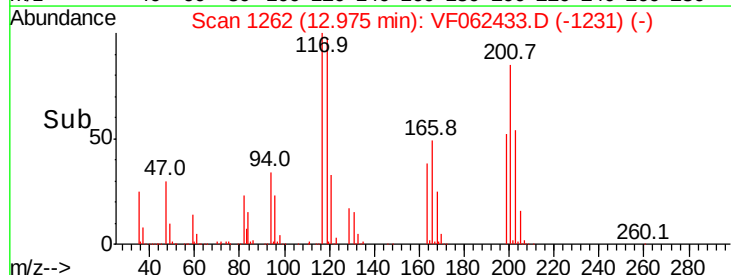
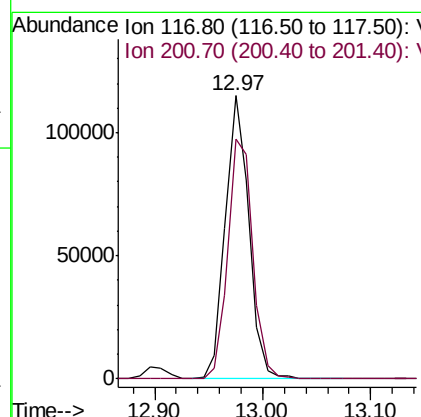
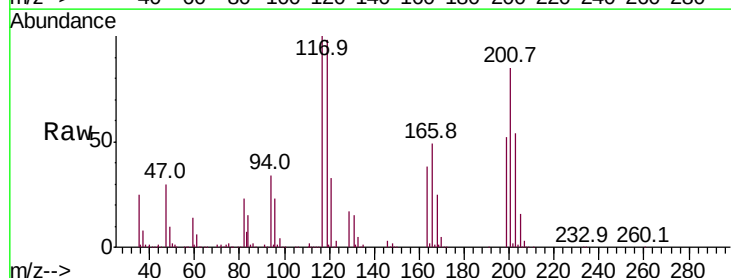
Manual Integrations
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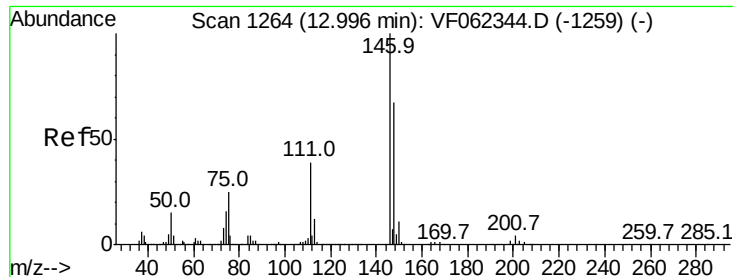
MMDadoda
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#90
Hexachloroethane
Concen: 51.653 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	174409		
201	90.0		46.2	138.5





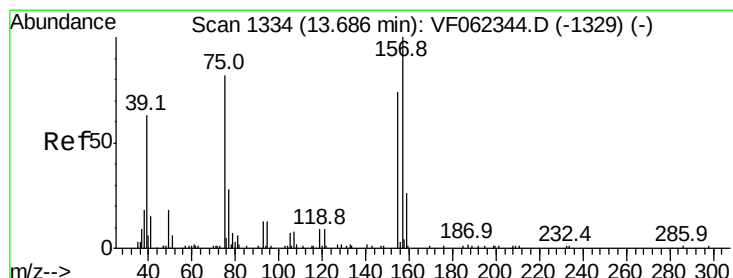
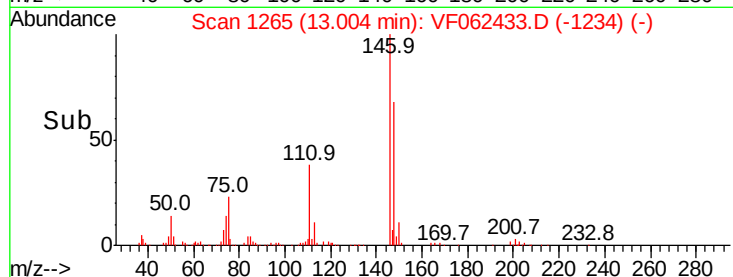
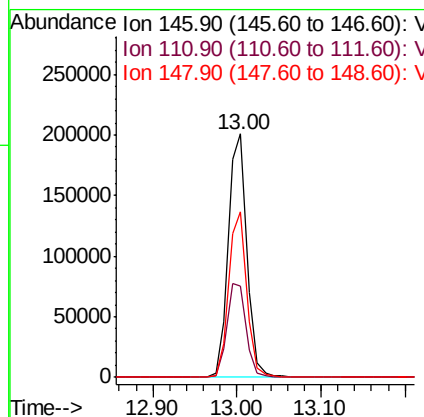
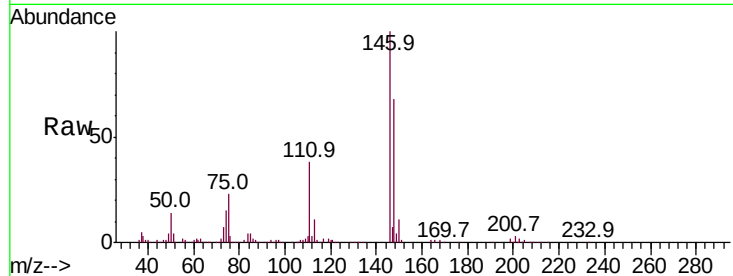
#91
 1,2-Dichlorobenzene
 Concen: 51.251 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. 0.01 min
 Lab File: VF062433.D
 Acq: 10 May 2019 21:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.9	20.0	60.0	
148	66.3	33.1	99.5	

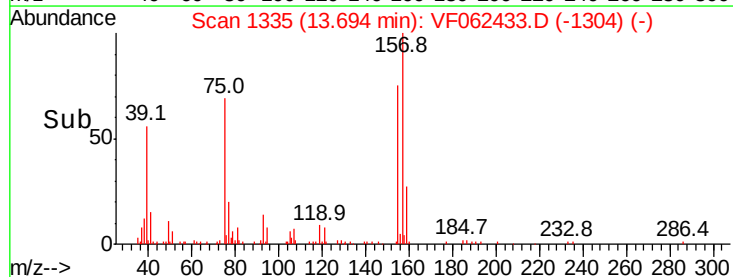
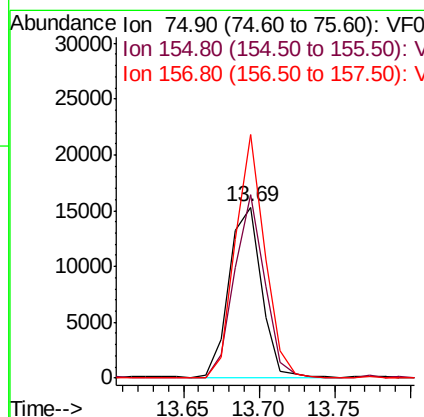
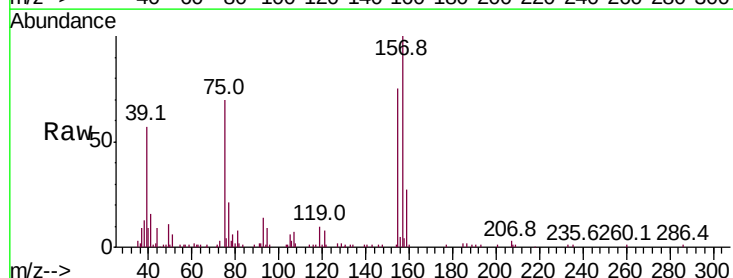
Manual Integrations
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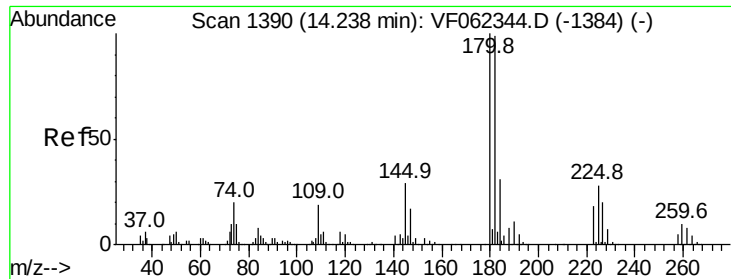
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.711 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: VF062433.D
 Acq: 10 May 2019 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	98.6	51.8	155.4	
157	127.3	67.3	201.8	





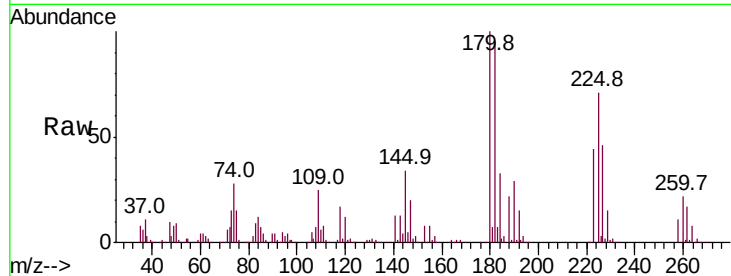
#93
 1,2,4-Trichlorobenzene
 Concen: 53.028 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062433.D
 Acq: 10 May 2019 21:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

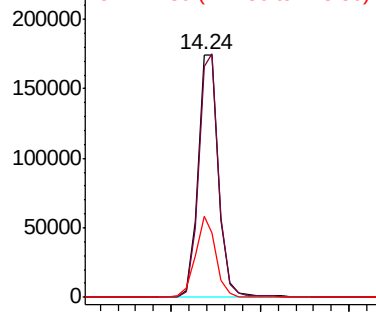
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.3	49.0	147.0	
145	33.1	16.7	50.1	

Manual Integrations
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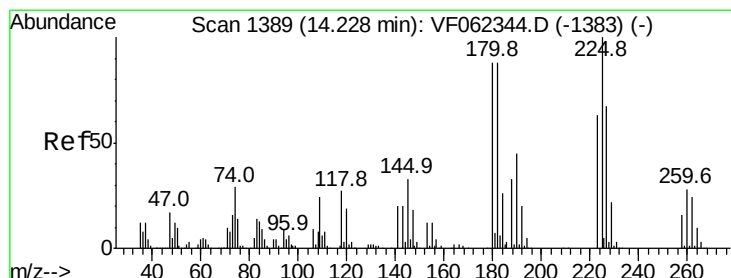
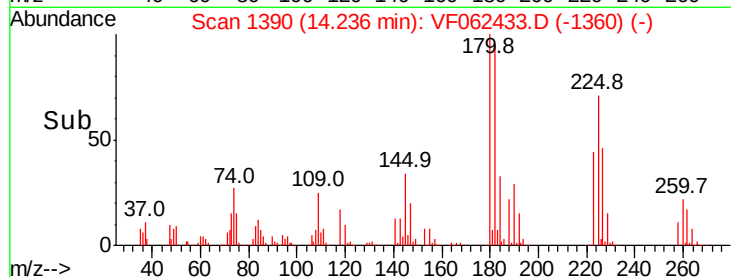
MMDadoda
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Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

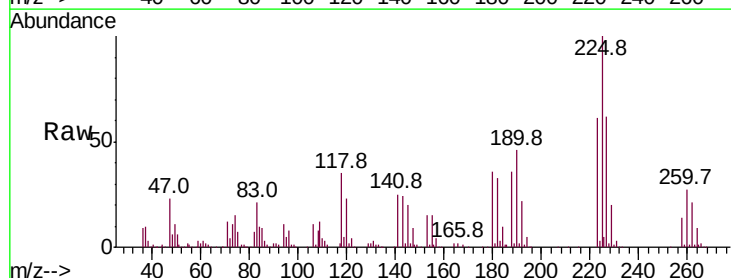


Time-->

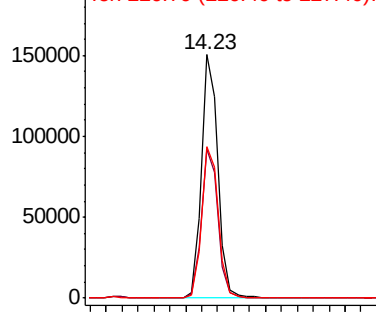


#94
 Hexachlorobutadiene
 Concen: 54.571 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VF062433.D
 Acq: 10 May 2019 21:11

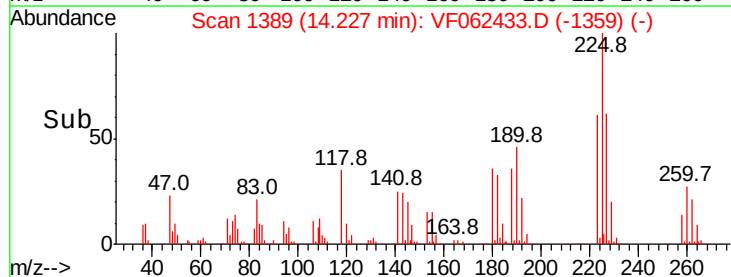
Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.4	31.9	95.5	
227	63.2	33.1	99.5	

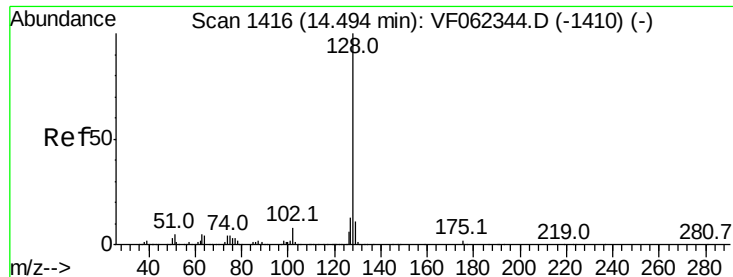


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





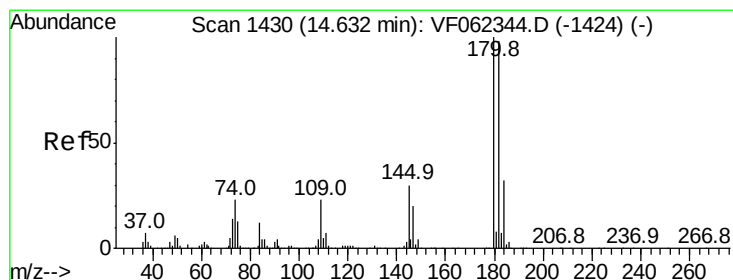
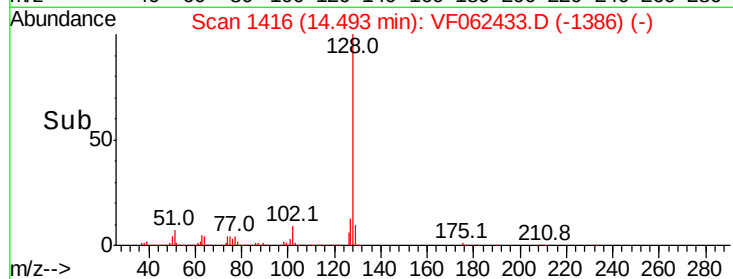
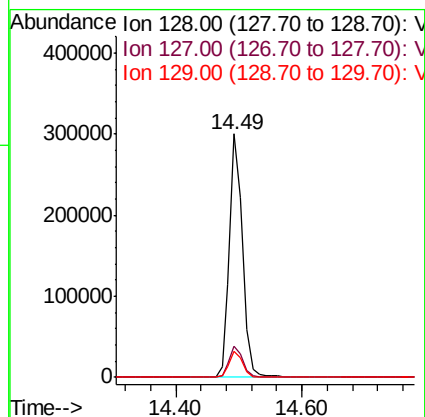
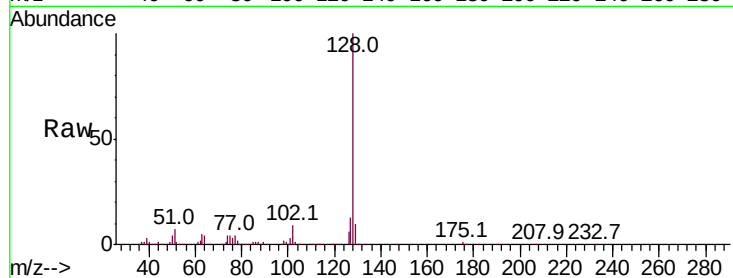
#95
Naphthalene
Concen: 53.354 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:	128	Resp:	433317
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.5	15.7
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
5/11/2019 3:49:08 PM



#96
1,2,3-Trichlorobenzene
Concen: 53.449 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Tgt Ion:	180	Resp:	279727
Ion Ratio	Lower	Upper	
180	100		
182	97.0	49.4	148.0
145	29.9	14.8	44.3

