

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051019\
 Data File : VF062418.D
 Acq On : 10 May 2019 12:47
 Operator : FY/SY
 Sample : VF0510SBSD01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/11/2019 3:54:14 PM

Quant Time: May 10 15:01:26 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	333987	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.78	114	432139	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.91	117	366707	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	238625	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	174499	55.29	ug/l	0.01
Spiked Amount	50.000		Recovery	=	110.58%	
35) Dibromofluoromethane	4.31	113	190160	55.23	ug/l	0.01
Spiked Amount	50.000		Recovery	=	110.46%	
50) Toluene-d8	7.71	98	423997	50.88	ug/l	0.01
Spiked Amount	50.000		Recovery	=	101.76%	
62) 4-Bromofluorobenzene	11.50	95	196836	52.35	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	86598	22.404	ug/l	95
3) Chloromethane	1.15	50	51896	20.357	ug/l	98
4) Vinyl Chloride	1.19	62	53837	21.172	ug/l	93
5) Bromomethane	1.39	94	45902	22.545	ug/l	96
6) Chloroethane	1.44	64	27166	21.250	ug/l	92
7) Trichlorofluoromethane	1.56	101	119927	22.731	ug/l	98
8) Diethyl Ether	1.71	74	19394	24.294	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	1.92	101	69936	23.219	ug/l	97
10) Methyl Iodide	1.98	142	114174	23.002	ug/l	99
11) Tert butyl alcohol	2.70	59	14375	80.584	ug/l	99
12) 1,1-Dichloroethene	1.87	96	52644	20.559	ug/l	93
13) Acrolein	2.11	56	11069	86.585	ug/l #	78
14) Allyl chloride	2.20	41	80676	35.666	ug/l	98
15) Acrylonitrile	3.09	53	34729	102.776	ug/l	93
16) Acetone	2.35	43	75379	118.056	ug/l	94
17) Carbon Disulfide	1.92	76	119139	21.338	ug/l	97
18) Methyl Acetate	2.47	43	28404	22.682	ug/l	94
19) Methyl tert-butyl Ether	2.56	73	107229	20.286	ug/l	93
20) Methylene Chloride	2.33	84	55001	23.809	ug/l	95
21) trans-1,2-Dichloroethene	2.43	96	50057	20.518	ug/l	86
22) Diisopropyl ether	2.94	45	143318	20.273	ug/l	97
23) Vinyl Acetate	3.36	43	316322	100.393	ug/l	99
24) 1,1-Dichloroethane	3.02	63	95247	22.292	ug/l	96
25) 2-Butanone	4.53	43	81675	101.818	ug/l	99
26) 2,2-Dichloropropane	3.77	77	57081	23.923	ug/l	100
27) cis-1,2-Dichloroethene	3.65	96	63308	20.759	ug/l	94
28) Bromochloromethane	3.91	49	37612	19.410	ug/l	100
29) Tetrahydrofuran	4.28	42	32414	87.921	ug/l	97
30) Chloroform	4.06	83	127039	22.008	ug/l	94
31) Cyclohexane	3.90	56	71585	20.990	ug/l	97
32) 1,1,1-Trichloroethane	4.30	97	115149	23.275	ug/l	97
36) 1,1-Dichloropropene	4.48	75	83491	22.491	ug/l	97
37) Ethyl Acetate	4.30	43	33430	19.960	ug/l #	99
38) Carbon Tetrachloride	4.19	117	98155m	24.049	ug/l	

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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	82142	22.063	ug/l	93
40) Benzene	4.83	78	184862	22.614	ug/l	98
41) Methacrylonitrile	4.93	41	15416	17.319	ug/l #	83
42) 1,2-Dichloroethane	5.14	62	79073	23.128	ug/l	100
43) Isopropyl Acetate	7.12	43	36780	21.783	ug/l #	97
44) Trichloroethene	5.69	130	69981	23.304	ug/l	99
45) 1,2-Dichloropropane	6.41	63	42214	22.799	ug/l	94
46) Dibromomethane	6.27	93	33612	21.895	ug/l	99
47) Bromodichloromethane	6.56	83	88622	23.090	ug/l	95
48) Methyl methacrylate	6.89	41	26437	22.155	ug/l	97
49) 1,4-Dioxane	6.88	88	4684	373.485	ug/l	87
51) 4-Methyl-2-Pentanone	8.40	43	134855	105.400	ug/l	97
52) Toluene	7.78	92	111907	22.191	ug/l	98
53) t-1,3-Dichloropropene	8.43	75	62577	21.556	ug/l	95
54) cis-1,3-Dichloropropene	7.47	75	76129	22.533	ug/l	95
55) 1,1,2-Trichloroethane	8.64	97	34851	21.770	ug/l	96
56) Ethyl methacrylate	8.76	69	33003	19.530	ug/l	97
57) 1,3-Dichloropropane	9.01	76	53147	21.978	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.46	63	53816	105.924	ug/l	97
59) 2-Hexanone	9.63	43	94867	107.210	ug/l	99
60) Dibromochloromethane	8.87	129	57905	22.116	ug/l	97
61) 1,2-Dibromoethane	9.13	107	39924	21.219	ug/l	94
64) Tetrachloroethene	8.31	164	64728	21.742	ug/l	96
65) Chlorobenzene	9.94	112	140647	23.181	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.07	131	70305	22.969	ug/l	97
67) Ethyl Benzene	10.03	91	248272	23.368	ug/l	99
68) m/p-Xylenes	10.27	106	184994	47.192	ug/l	98
69) o-Xylene	10.82	106	96628	22.812	ug/l	98
70) Styrene	10.90	104	144727	22.797	ug/l	99
71) Bromoform	10.89	173	36514	21.775	ug/l #	98
73) Isopropylbenzene	11.21	105	297490	21.029	ug/l	100
74) N-amyl acetate	11.45	43	60681	19.980	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	45049	20.338	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	33743	19.967	ug/l #	100
77) Bromobenzene	11.59	156	80781	21.758	ug/l	97
78) n-propylbenzene	11.68	91	331878	22.035	ug/l	100
79) 2-Chlorotoluene	11.80	91	199369	21.288	ug/l	99
80) 1,3,5-Trimethylbenzene	11.89	105	277752	22.400	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.94	75	12841m	20.215	ug/l	
82) 4-Chlorotoluene	11.97	91	206500	22.325	ug/l	99
83) tert-Butylbenzene	12.20	119	282465	21.676	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	269477	22.208	ug/l	100
85) sec-Butylbenzene	12.37	105	341174	21.510	ug/l	99
86) p-Isopropyltoluene	12.53	119	326392	22.148	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	154222	22.744	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	143078	21.862	ug/l	99
89) n-Butylbenzene	12.90	91	307001	23.416	ug/l	99
90) Hexachloroethane	12.98	117	76769	20.864	ug/l	98
91) 1,2-Dichlorobenzene	13.00	146	144263	21.981	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	10194	20.543	ug/l	95

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ClientSampleId :
VF0510SBSD01

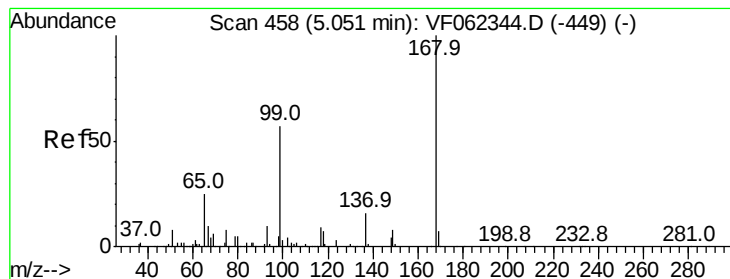
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	137369	23.335	ug/l	96
94) Hexachlorobutadiene	14.23	225	99456	22.667	ug/l	98
95) Naphthalene	14.50	128	179277	20.256	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	129865	22.771	ug/l	97

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



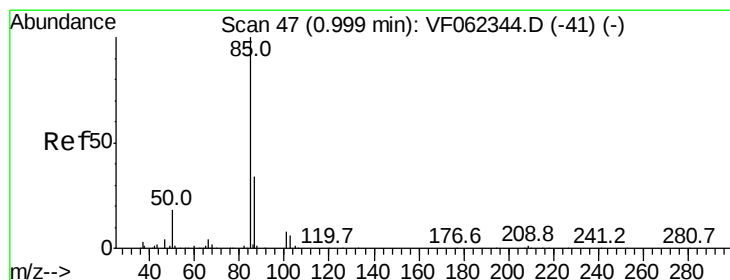
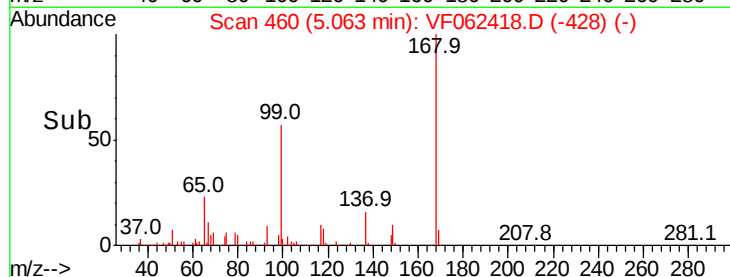
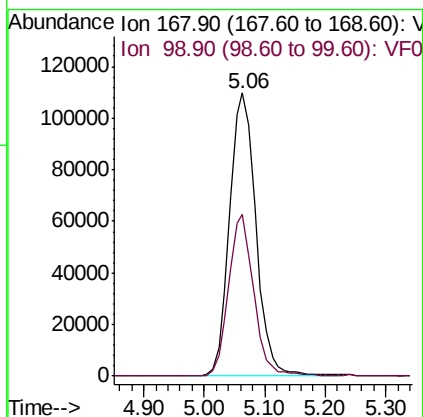
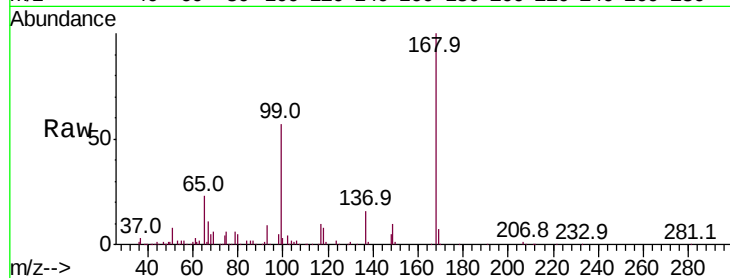
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.06 min Scan# 460
Delta R.T. 0.01 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBSD01

Tot Ion	Ratio	Lower	Upper
168	100		
99	57.2	45.9	68.9

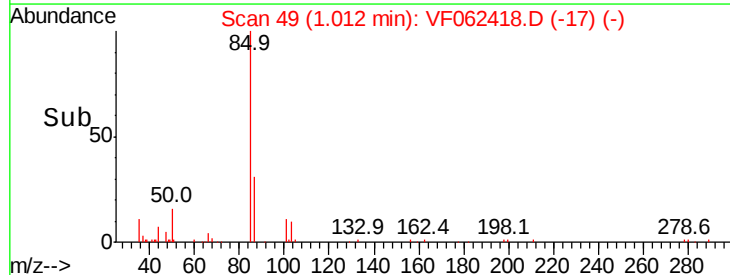
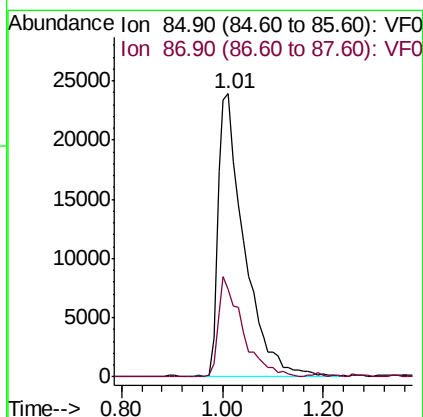
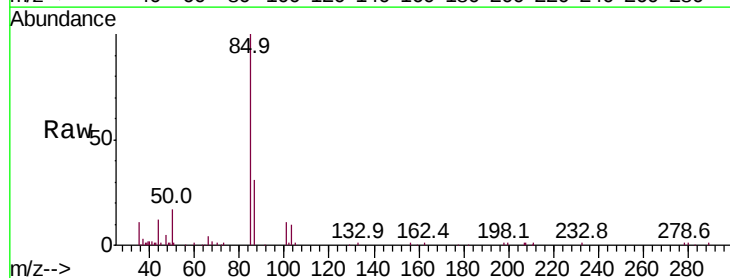
Manual Integrations
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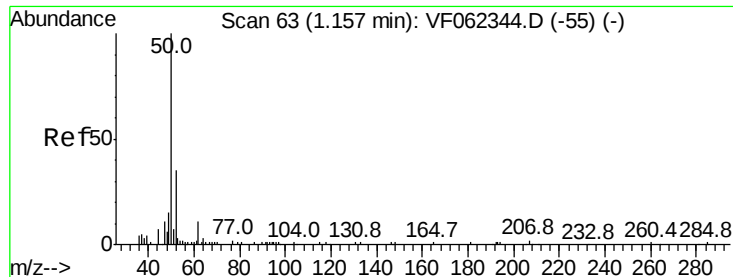
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#2
Dichlorodifluoromethane
Concen: 22.404 ug/l
RT: 1.01 min Scan# 49
Delta R.T. 0.01 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.9	16.8	50.4





#3

Chloromethane

Concen: 20.357 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBS01

Tot Ion: 50 Resp: 51896

Ion Ratio Lower Upper

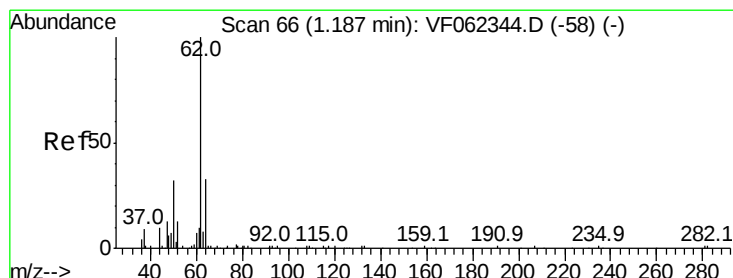
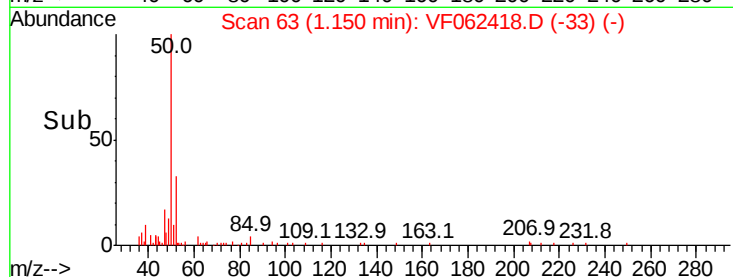
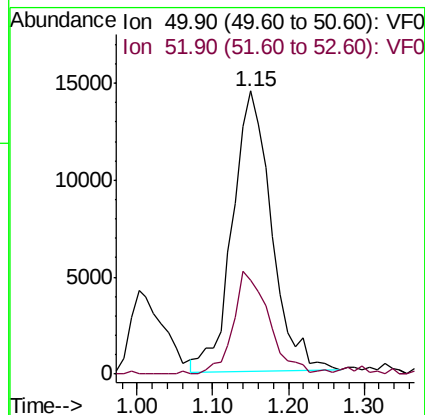
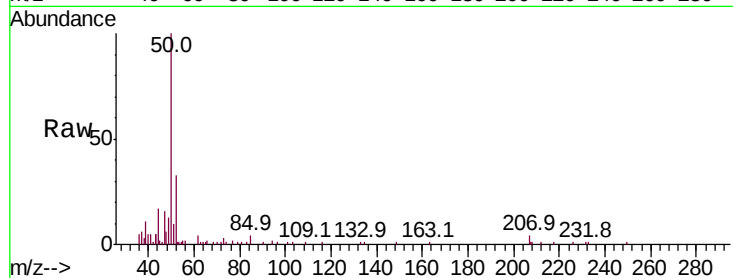
50 100

52 33.6 26.1 39.1

Manual Integrations
APPROVED

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#4

Vinyl Chloride

Concen: 21.172 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062418.D

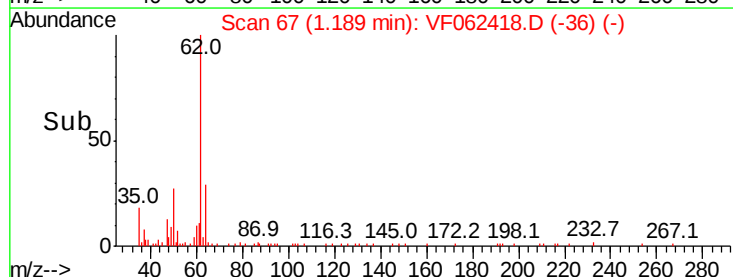
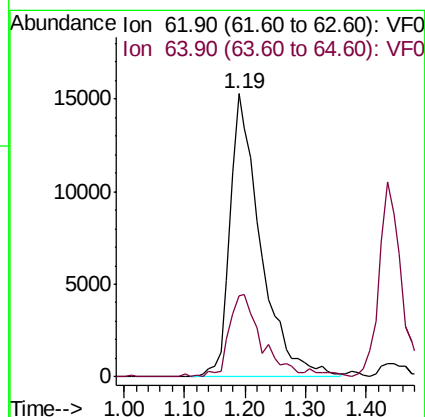
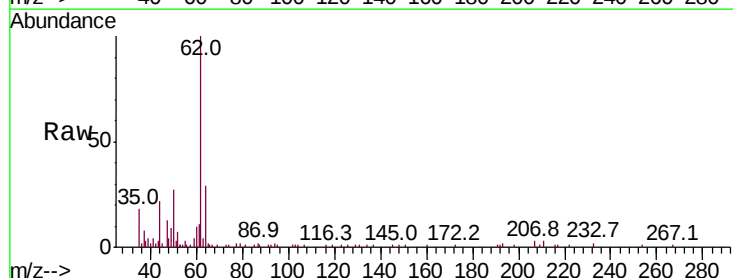
Acq: 10 May 2019 12:47

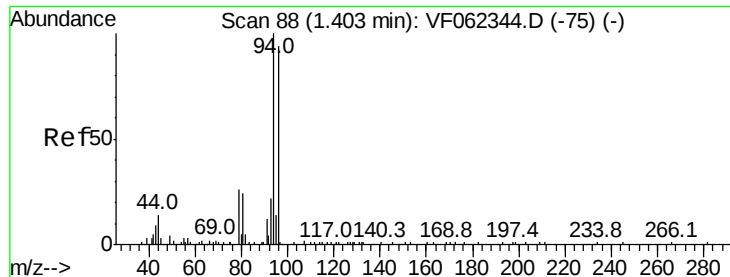
Tgt Ion: 62 Resp: 53837

Ion Ratio Lower Upper

62 100

64 28.5 26.1 39.1





#5

Bromomethane

Concen: 22.545 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.02 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBSD01

Tot Ion: 94 Resp: 45902

Ion Ratio Lower Upper

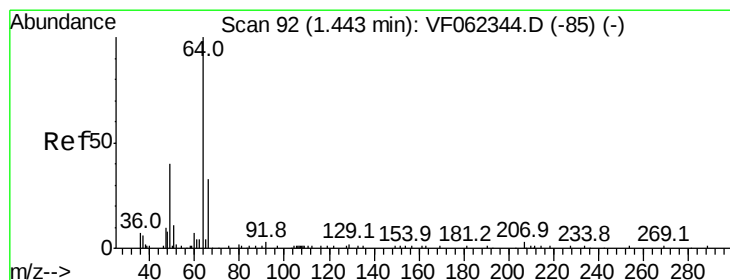
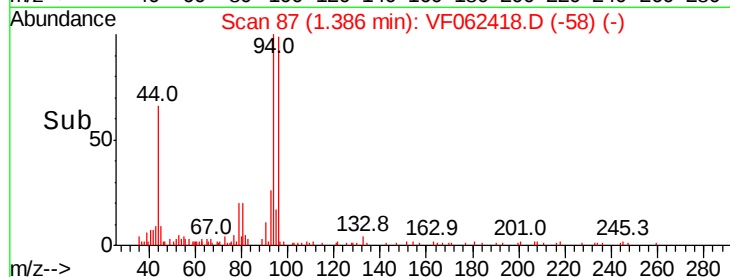
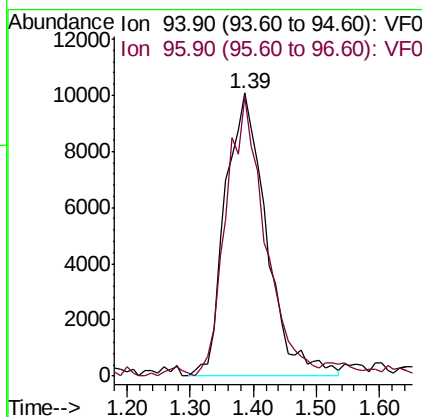
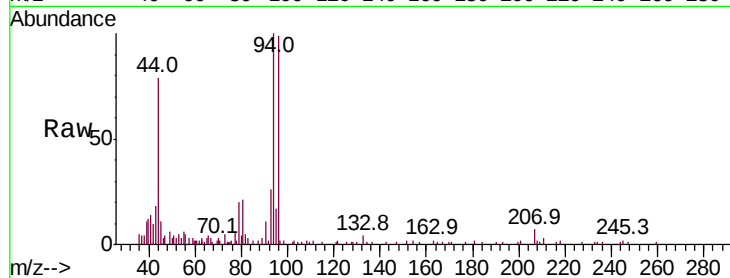
94 100

96 97.9 75.4 113.2

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#6

Chloroethane

Concen: 21.250 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.01 min

Lab File: VF062418.D

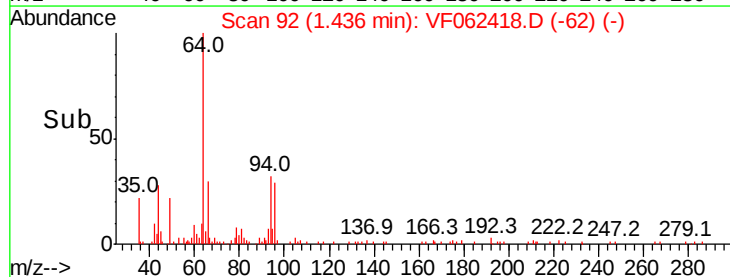
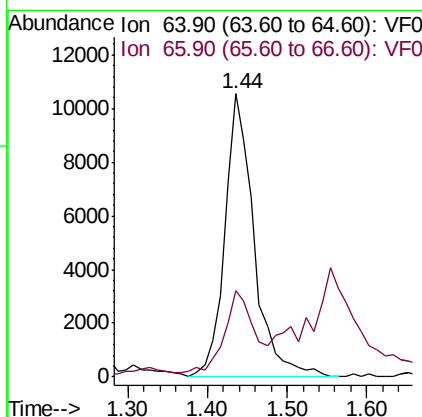
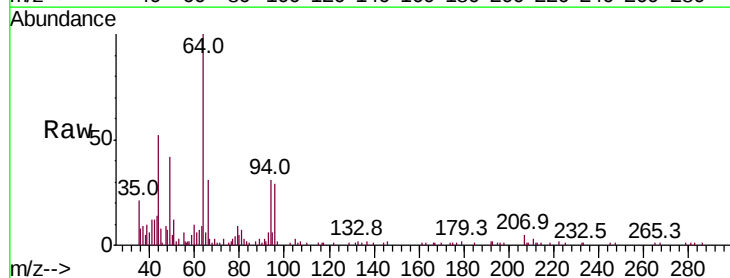
Acq: 10 May 2019 12:47

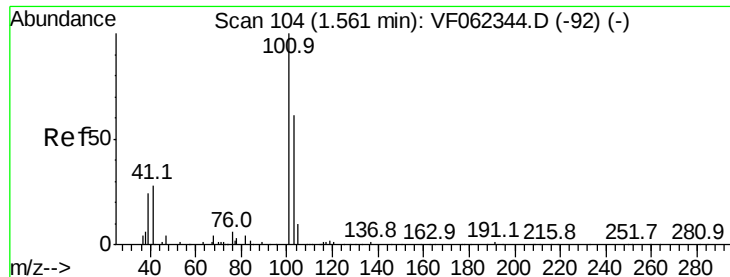
Tgt Ion: 64 Resp: 27166

Ion Ratio Lower Upper

64 100

66 28.6 26.6 39.8





#7

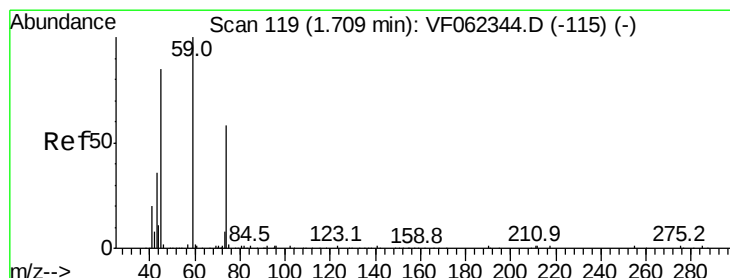
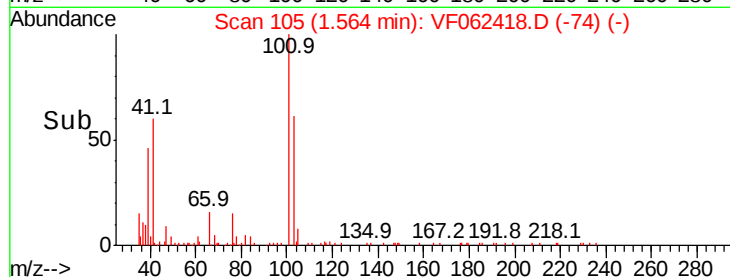
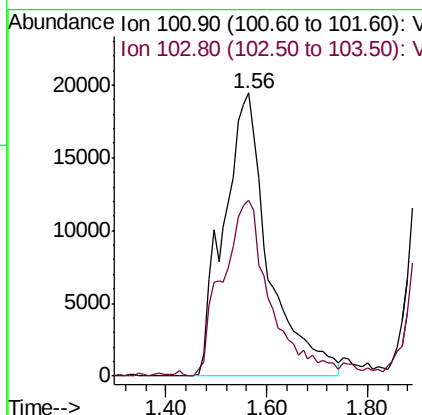
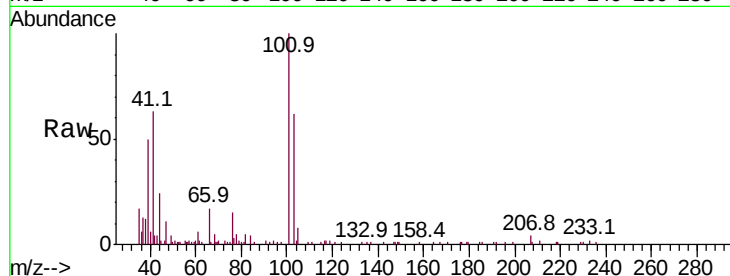
Trichlorofluoromethane
Concen: 22.731 ug/l
RT: 1.56 min Scan# 105
Delta R.T. 0.00 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS01

Tot Ion:101 Resp: 119927
Ion Ratio Lower Upper
101 100
103 62.3 48.5 72.7

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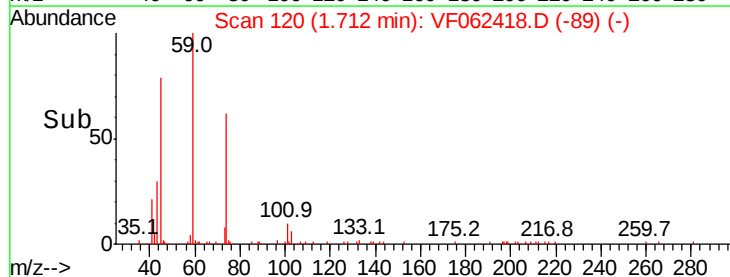
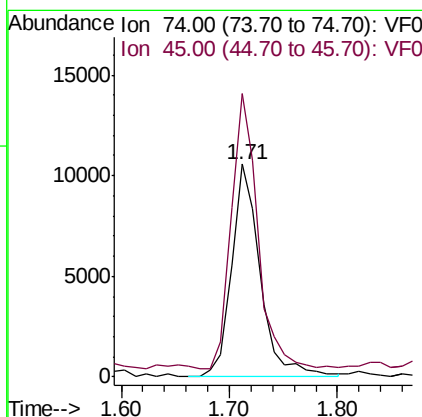
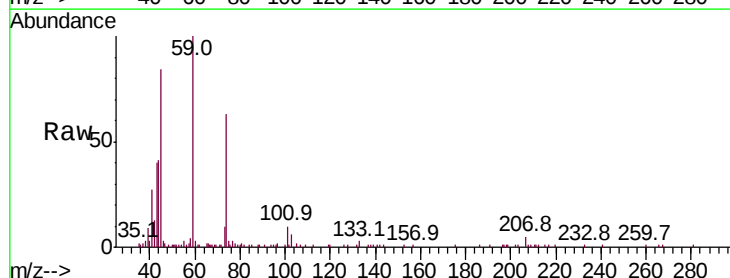
MMDadoda
5/11/2019 3:54:14 PM

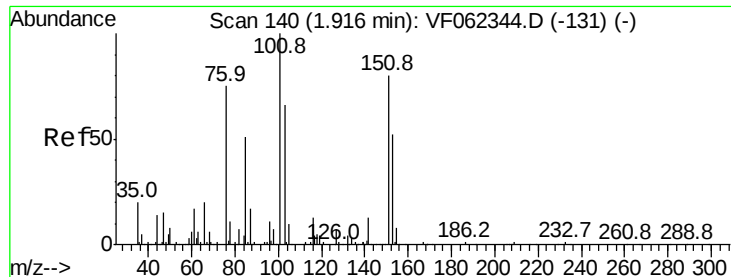


#8

Diethyl Ether
Concen: 24.294 ug/l
RT: 1.71 min Scan# 120
Delta R.T. 0.00 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Tgt Ion: 74 Resp: 19394
Ion Ratio Lower Upper
74 100
45 120.7 73.9 221.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.219 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.00 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

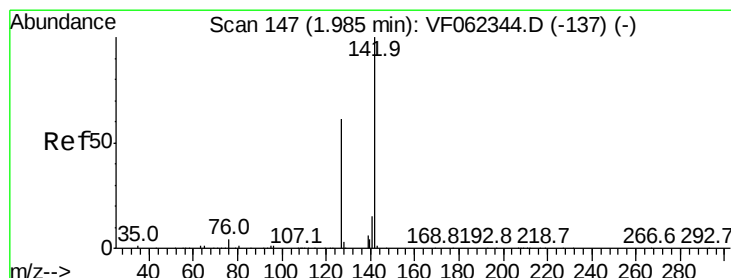
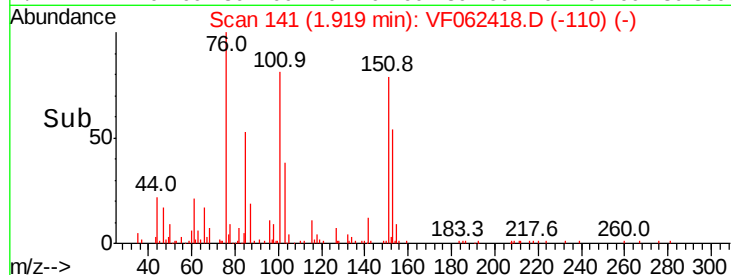
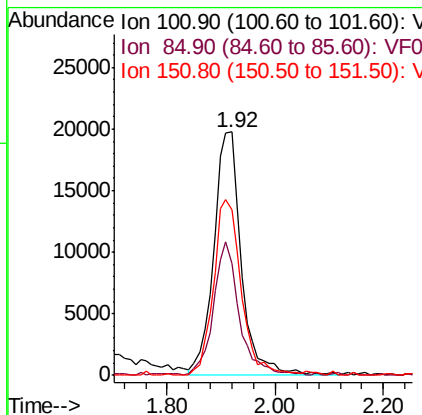
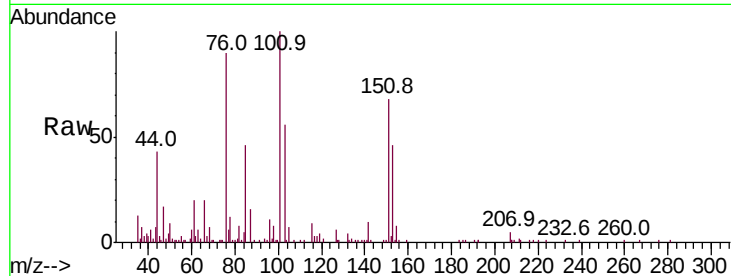
ClientSampleId :

VF0510SBSD01

Tot Ion:	101	Resp:	69936
Ion Ratio	Lower	Upper	
101	100		
85	51.0	39.5	59.3
151	72.1	59.9	89.9

Manual Integrations
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#10

Methyl Iodide

Concen: 23.002 ug/l

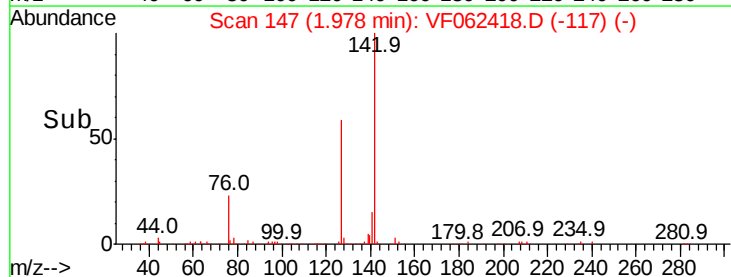
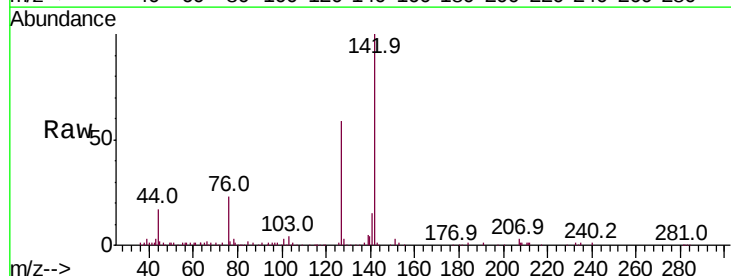
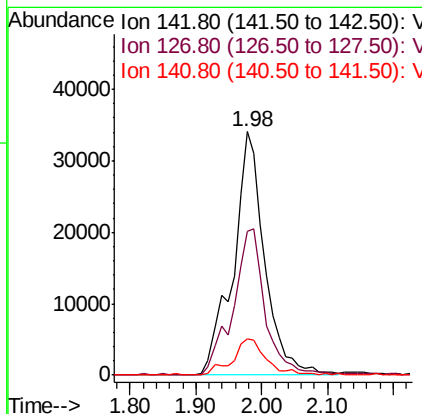
RT: 1.98 min Scan# 147

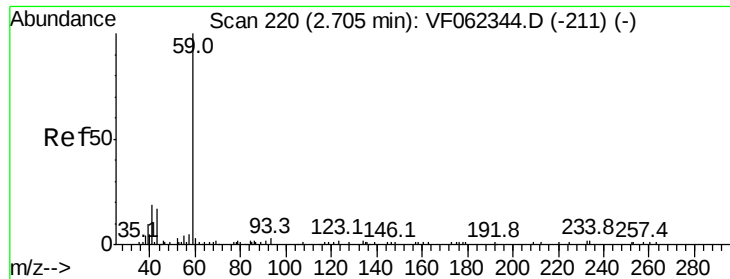
Delta R.T. -0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Tgt Ion:	142	Resp:	114174
Ion Ratio	Lower	Upper	
142	100		
127	61.6	48.4	72.6
141	15.9	12.2	18.4





#11

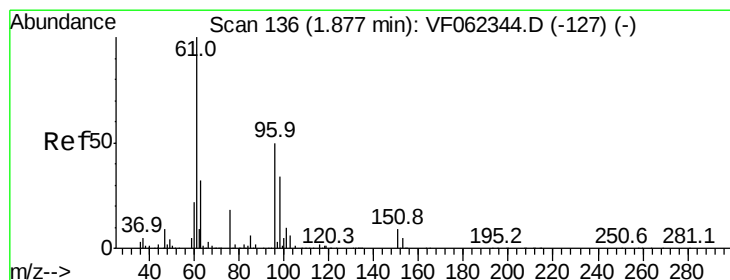
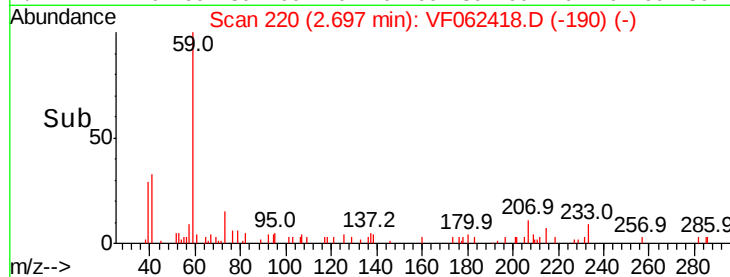
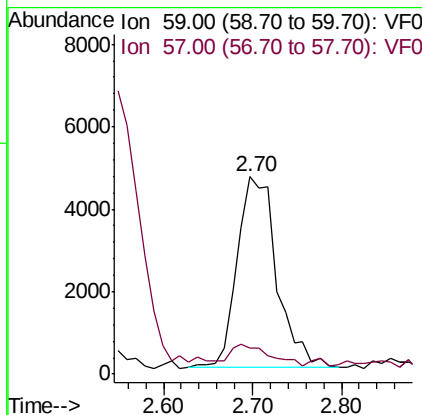
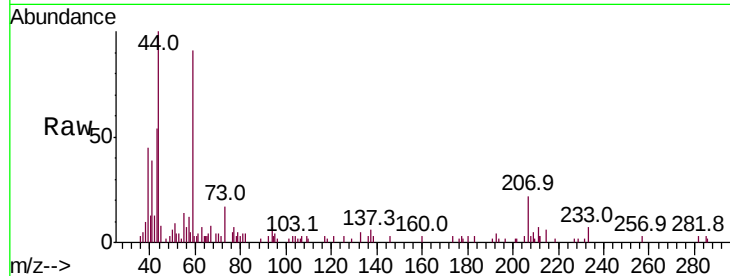
Tert butyl alcohol
Concen: 80.584 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.01 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.2	9.3	13.9

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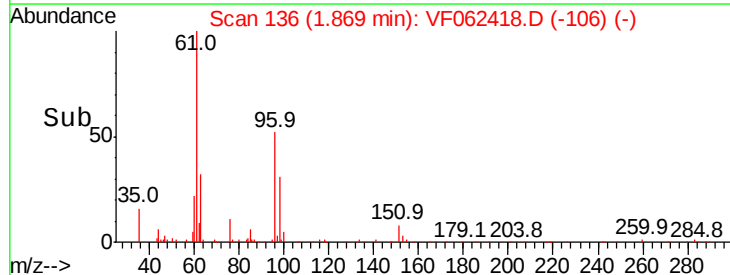
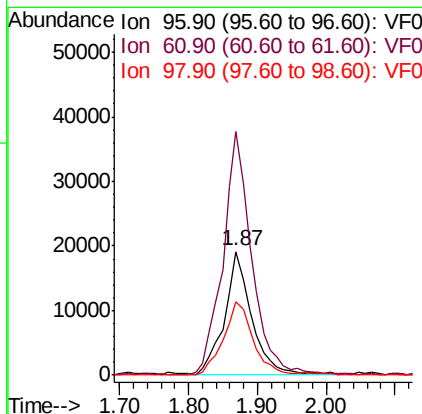
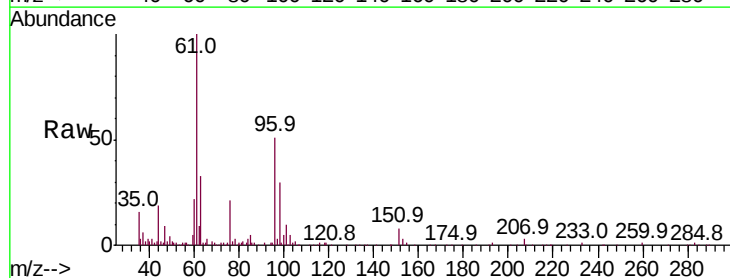
MMDadoda
5/11/2019 3:54:14 PM

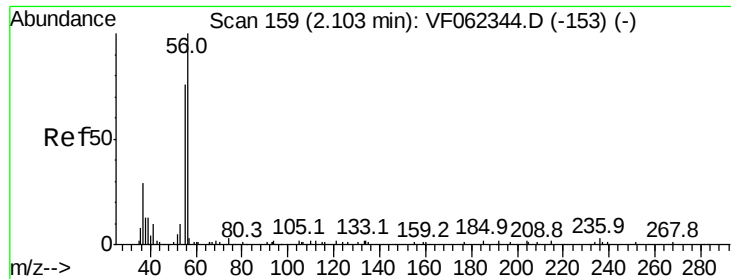


#12

1,1-Dichloroethene
Concen: 20.559 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.01 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	196.8	163.2	244.8
98	59.0	55.2	82.8





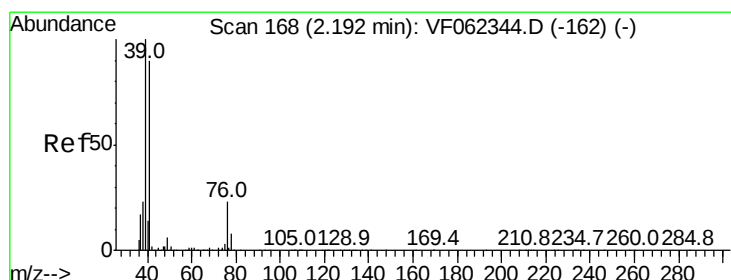
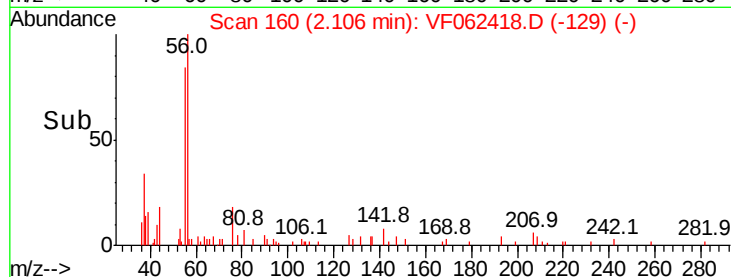
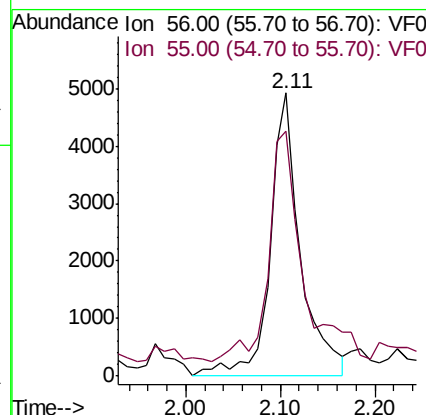
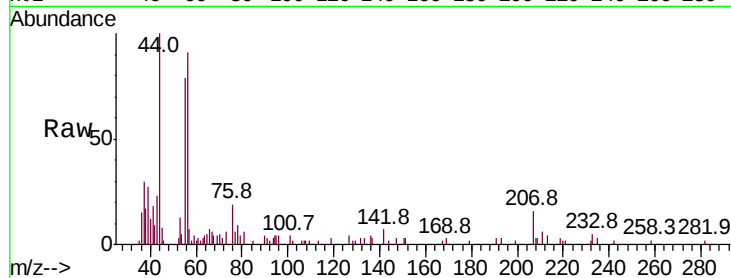
#13
Acrolein
Concen: 86.585 ug/l
RT: 2.11 min Scan# 160
Delta R.T. 0.00 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS01

Tot Ion: 56 Resp: 11069
Ion Ratio Lower Upper
56 100
55 91.4 58.4 87.6#

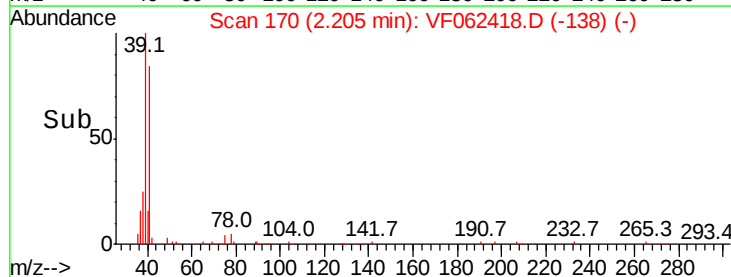
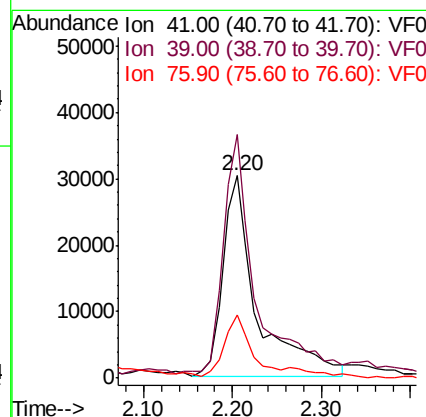
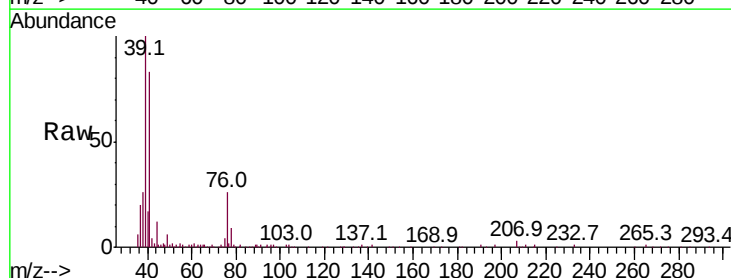
Manual Integrations
APPROVED

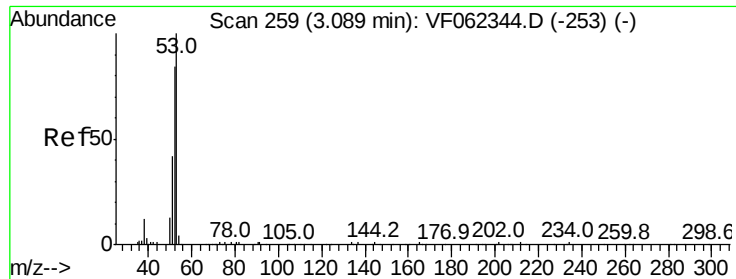
MMDadoda
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#14
Allyl chloride
Concen: 35.666 ug/l
RT: 2.20 min Scan# 170
Delta R.T. 0.01 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Tgt Ion: 41 Resp: 80676
Ion Ratio Lower Upper
41 100
39 114.2 90.8 136.2
76 24.2 22.2 33.4





#15

Acrylonitrile

Concen: 102.776 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

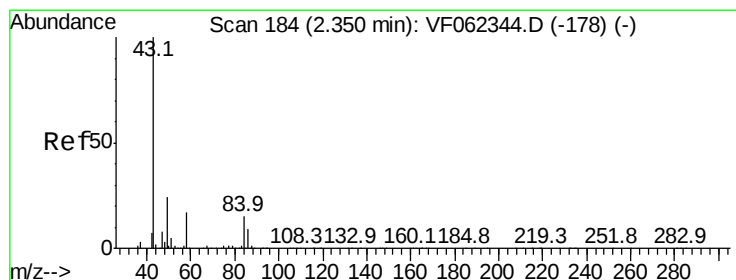
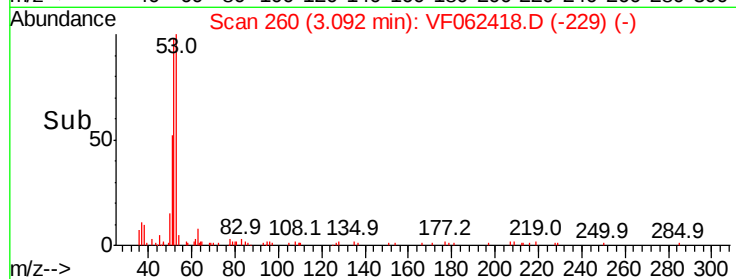
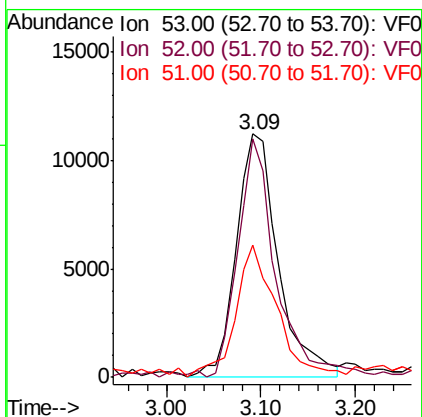
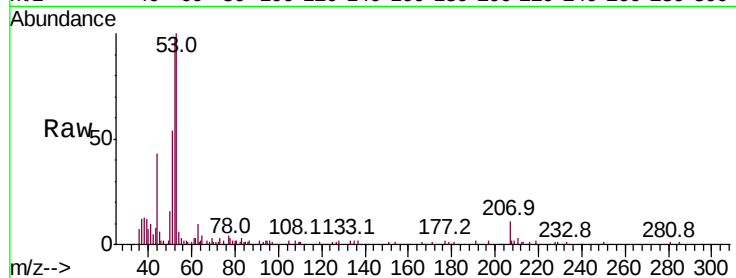
ClientSampleId :

VF0510SBS01

Tot Ion:	53	Resp:	34729
Ion	Ratio	Lower	Upper
53	100		
52	88.6	77.2	115.8
51	53.4	40.6	61.0

Manual Integrations
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#16

Acetone

Concen: 118.056 ug/l

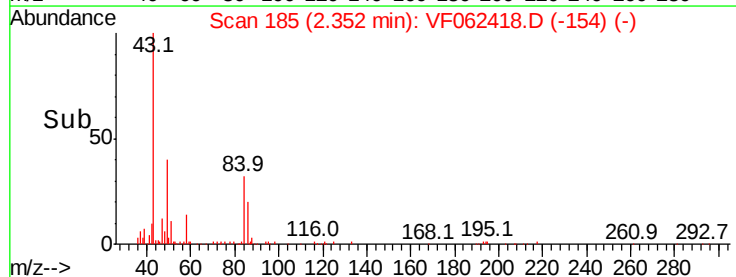
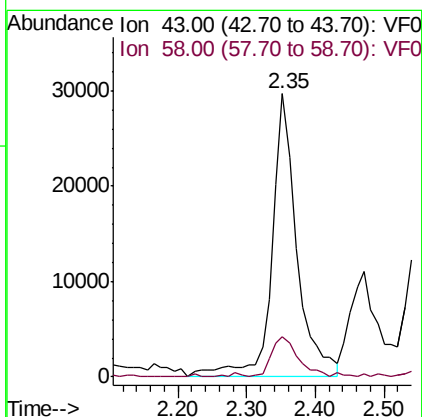
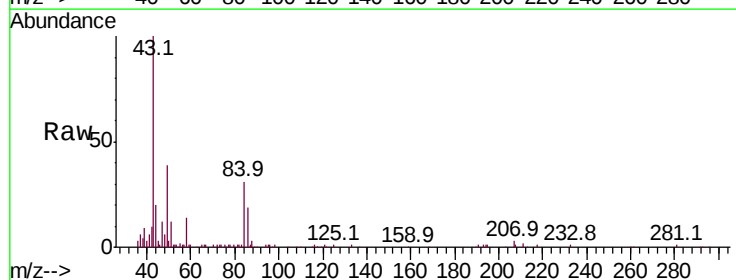
RT: 2.35 min Scan# 185

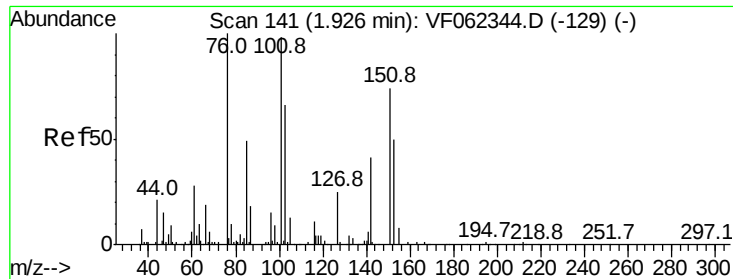
Delta R.T. 0.00 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Tgt Ion:	43	Resp:	75379
Ion	Ratio	Lower	Upper
43	100		
58	14.0	13.1	19.7





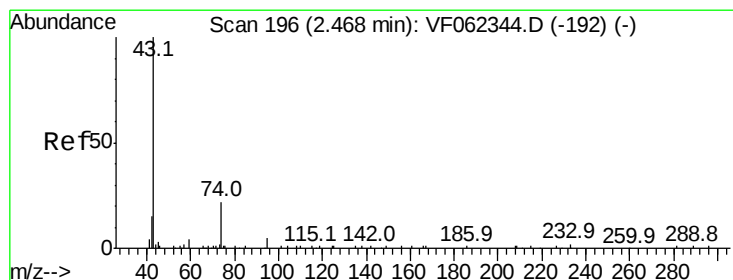
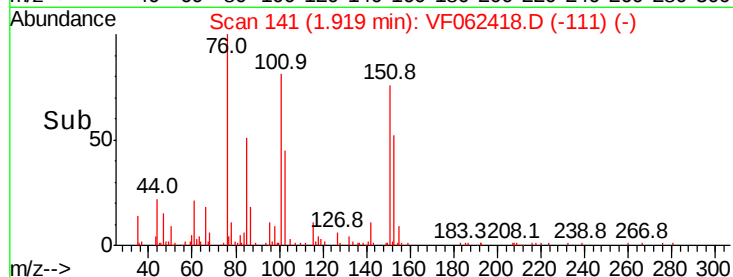
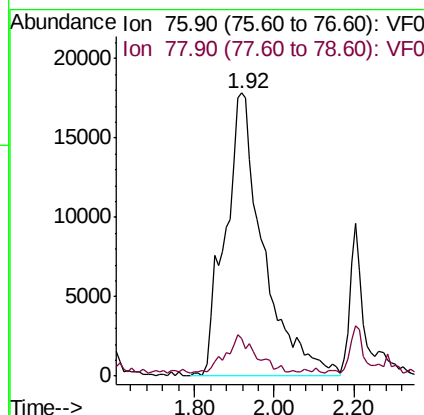
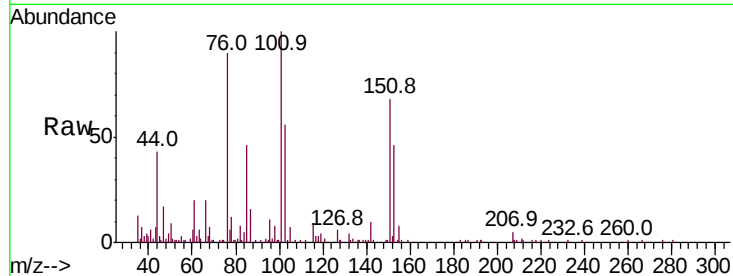
#17
Carbon Disulfide
Concen: 21.338 ug/l
RT: 1.92 min Scan# 141
Delta R.T. -0.01 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS01

Tot Ion: 76 Resp: 119139
Ion Ratio Lower Upper
76 100
78 12.2 9.0 13.4

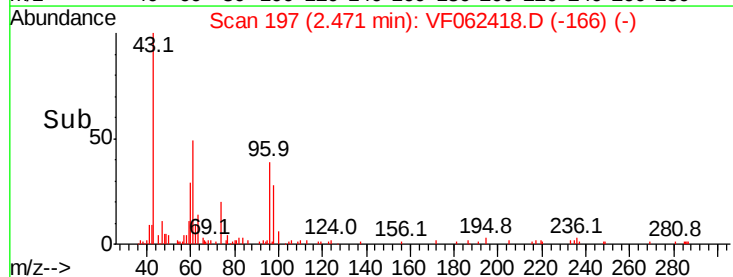
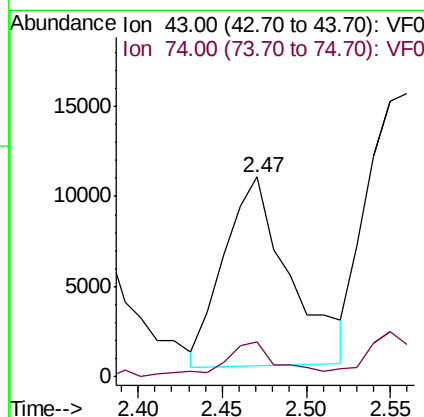
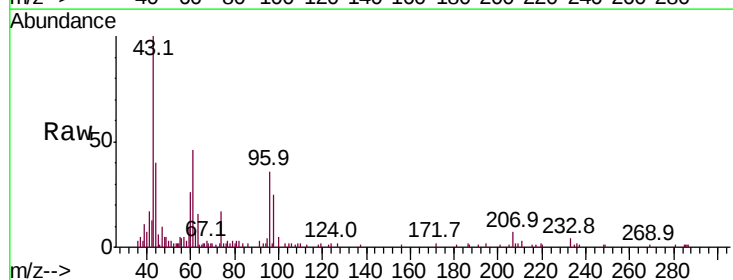
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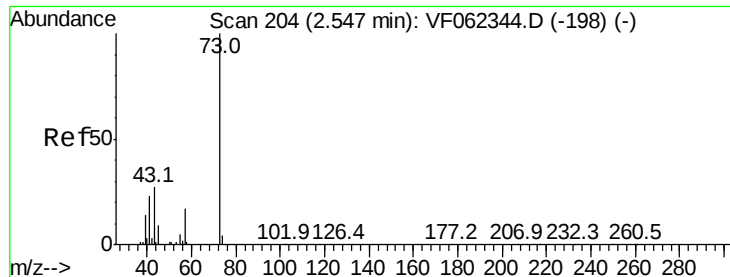
MMDadoda
5/11/2019 3:54:14 PM



#18
Methyl Acetate
Concen: 22.682 ug/l
RT: 2.47 min Scan# 197
Delta R.T. 0.00 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Tgt Ion: 43 Resp: 28404
Ion Ratio Lower Upper
43 100
74 15.8 15.0 22.4





#19

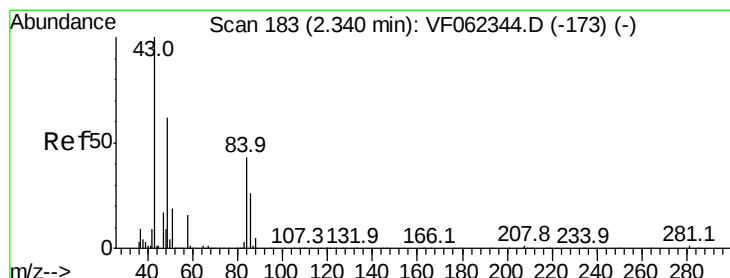
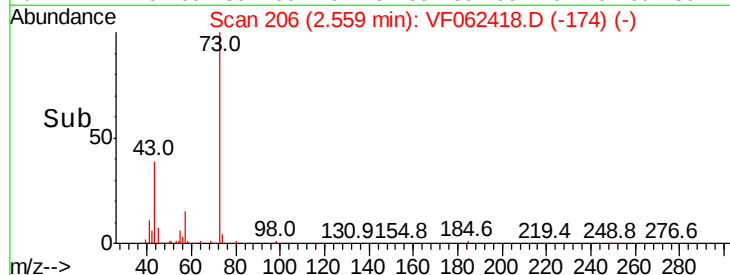
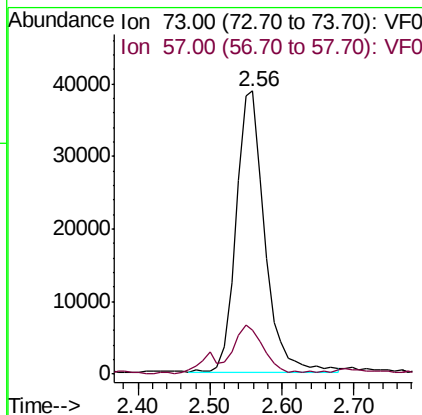
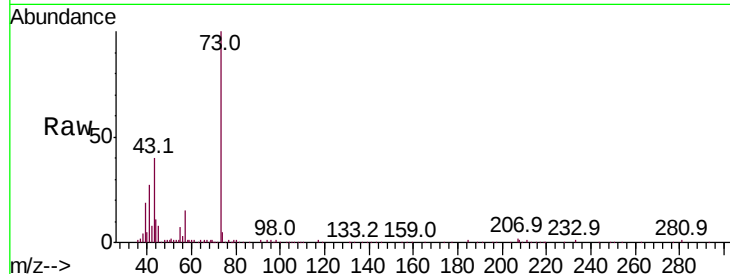
Methyl tert-butyl Ether
 Concen: 20.286 ug/l
 RT: 2.56 min Scan# 206
 Delta R.T. 0.01 min
 Lab File: VF062418.D
 Acq: 10 May 2019 12:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	14.3	13.7	20.5

Manual Integrations
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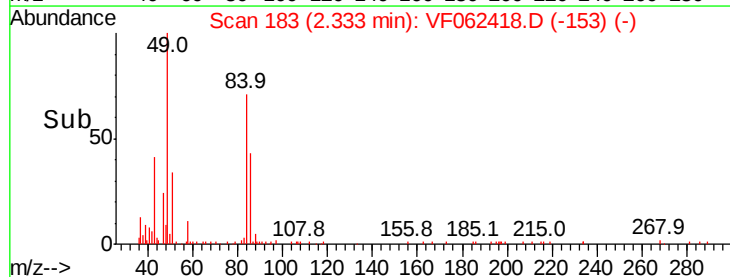
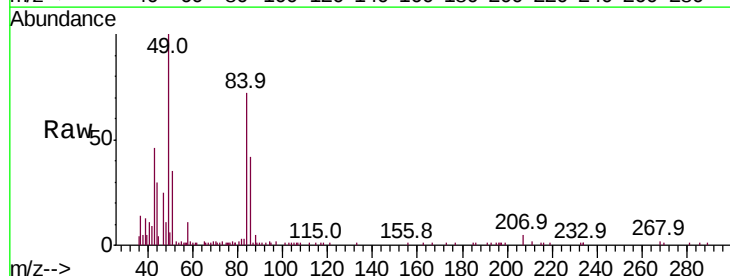
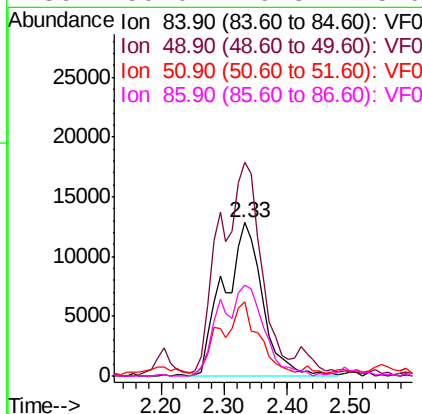
MMDadoda
 5/11/2019 3:54:14 PM

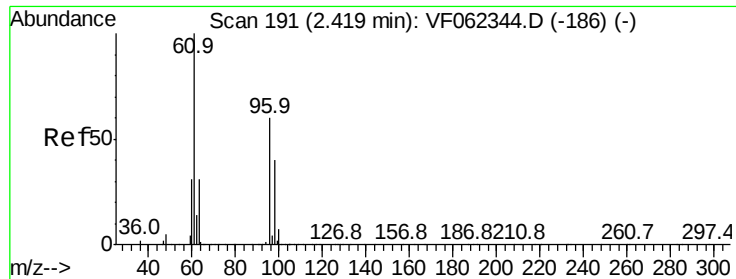


#20

Methylene Chloride
 Concen: 23.809 ug/l
 RT: 2.33 min Scan# 183
 Delta R.T. -0.01 min
 Lab File: VF062418.D
 Acq: 10 May 2019 12:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.5	117.5	176.3
51	45.9	37.0	55.4
86	59.0	49.3	73.9





#21

trans-1,2-Dichloroethene

Concen: 20.518 ug/l

RT: 2.43 min Scan# 193

Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

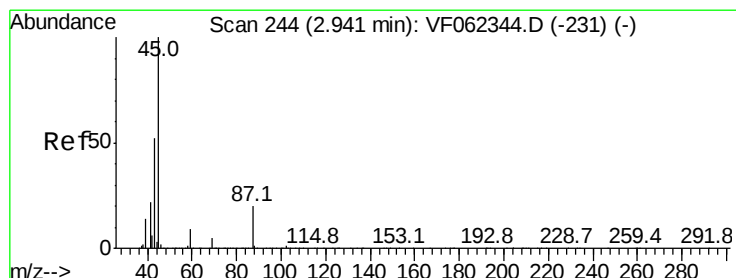
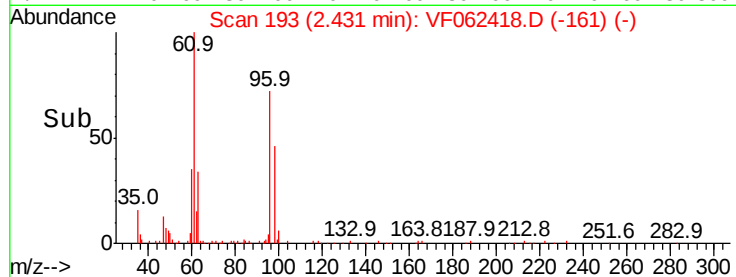
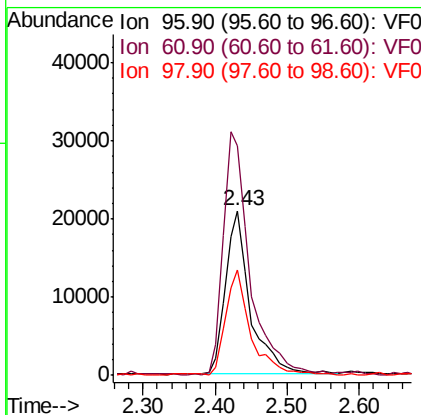
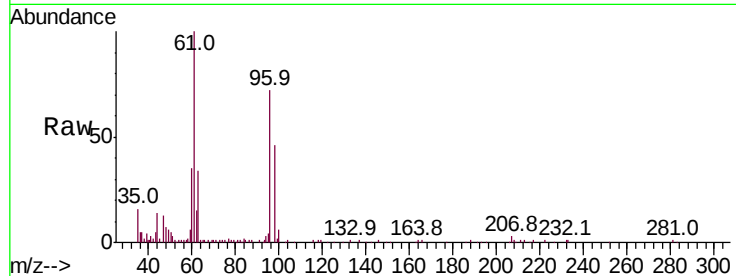
ClientSampleId :

VF0510SBSD01

Tot Ion:	96	Resp:	50057
Ion	Ratio	Lower	Upper
96	100		
61	140.4	133.2	199.8
98	64.7	53.1	79.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.273 ug/l

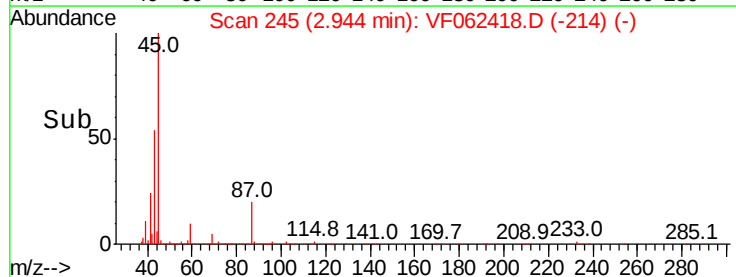
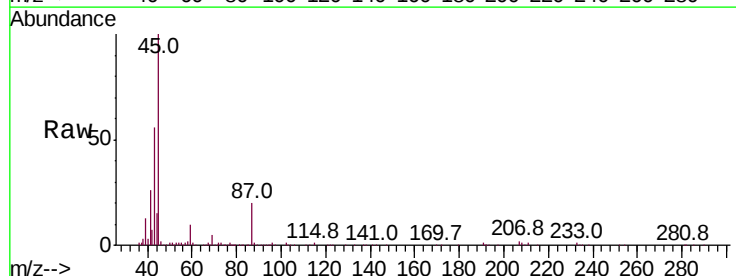
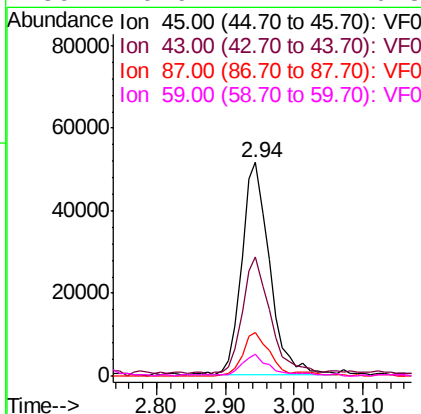
RT: 2.94 min Scan# 245

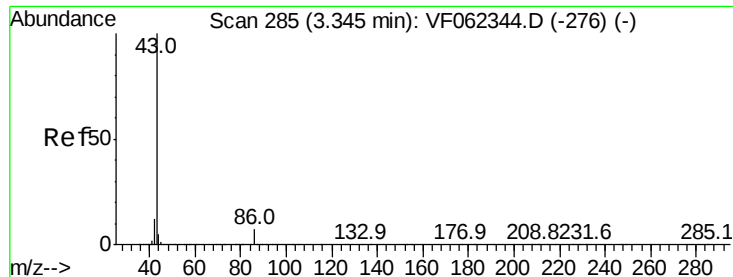
Delta R.T. 0.00 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Tgt Ion:	45	Resp:	143318
Ion	Ratio	Lower	Upper
45	100		
43	54.8	41.4	62.0
87	20.3	15.8	23.6
59	9.6	7.2	10.8





#23

Vinyl Acetate

Concen: 100.393 ug/l

RT: 3.36 min Scan# 287

Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBSD01

Tot Ion: 43 Resp: 316322

Ion Ratio Lower Upper

43 100

86 7.5

5.7

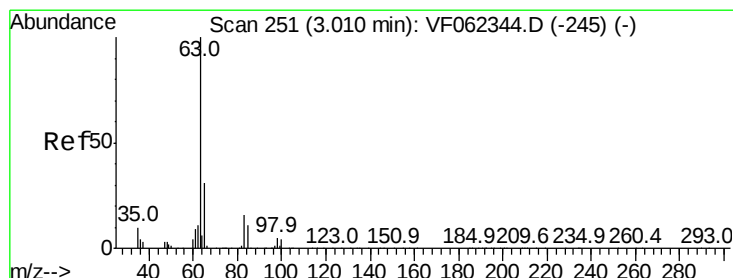
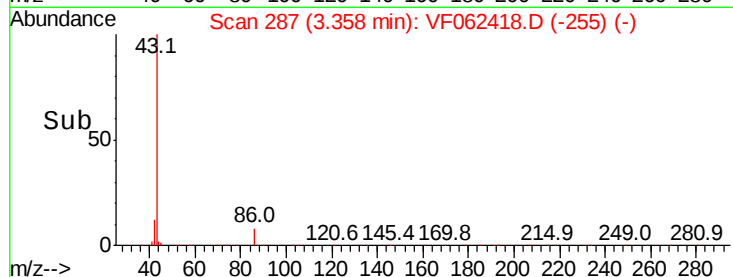
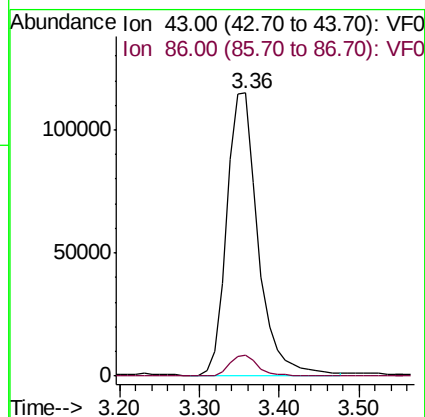
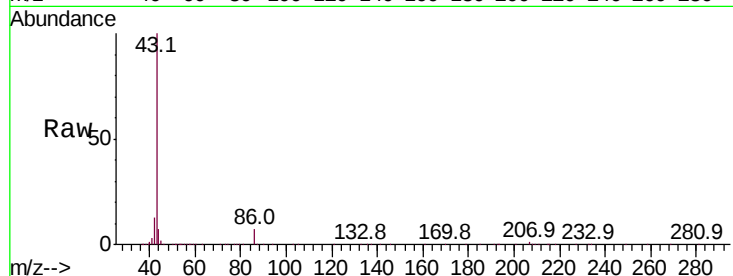
8.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 22.292 ug/l

RT: 3.02 min Scan# 253

Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Tgt Ion: 63 Resp: 95247

Ion Ratio Lower Upper

63 100

98 3.7

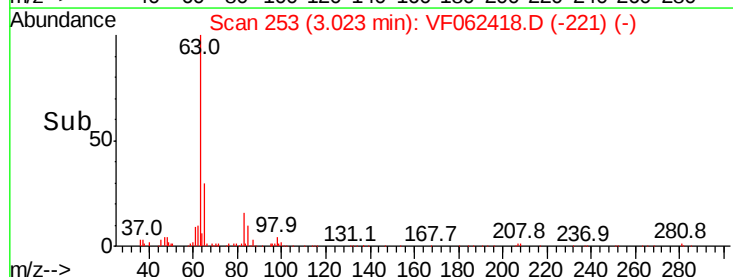
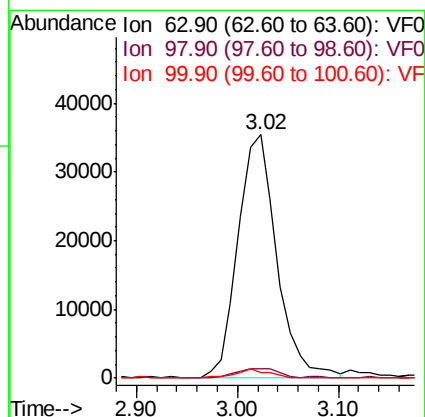
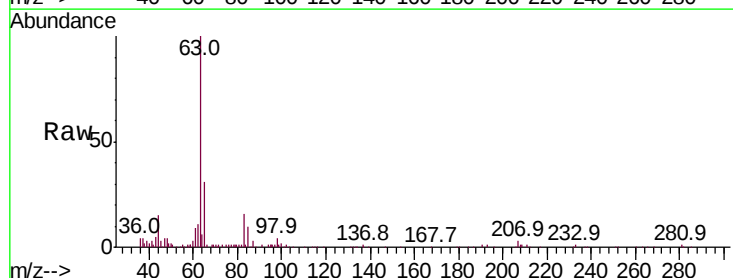
2.6

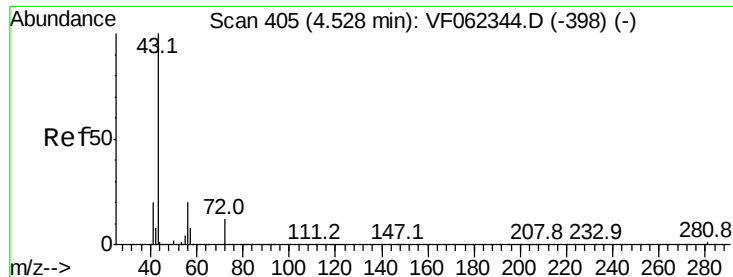
8.0

100 2.4

1.8

5.4





#25

2-Butanone

Concen: 101.818 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.00 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBS01

Tot Ion: 43 Resp: 81675

Ion Ratio Lower Upper

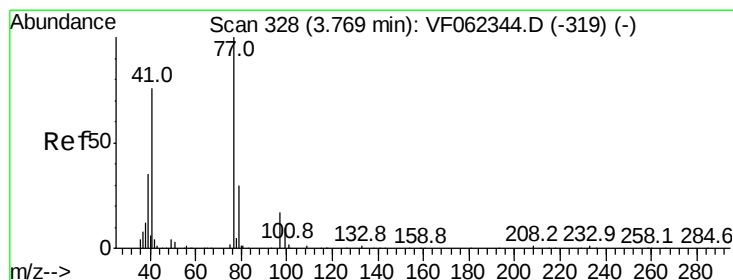
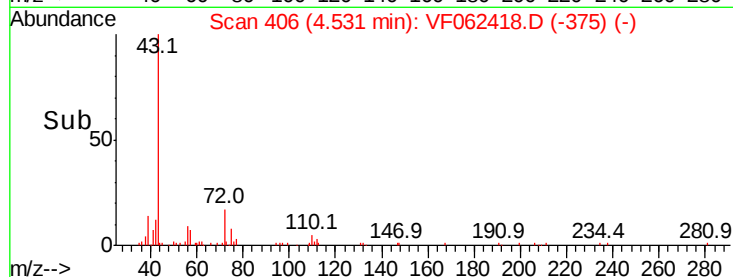
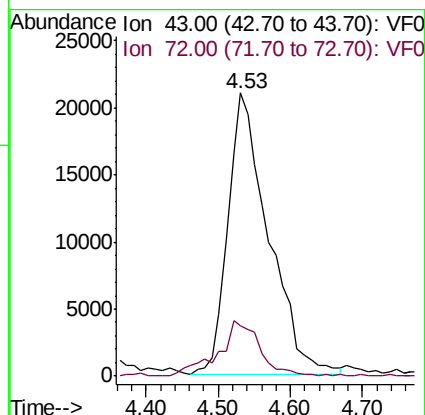
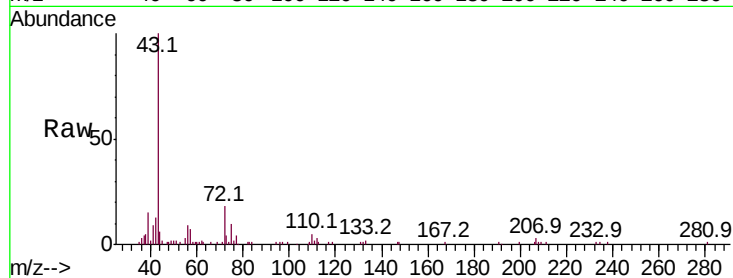
43 100

72 17.4 14.2 21.4

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 23.923 ug/l

RT: 3.77 min Scan# 329

Delta R.T. 0.00 min

Lab File: VF062418.D

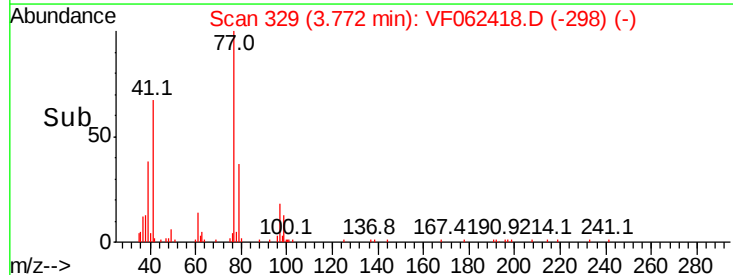
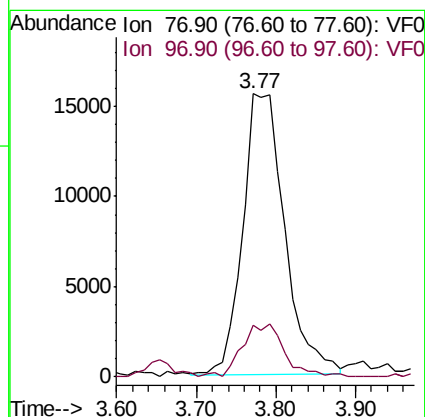
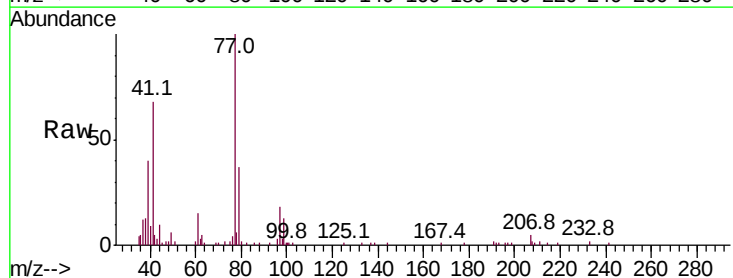
Acq: 10 May 2019 12:47

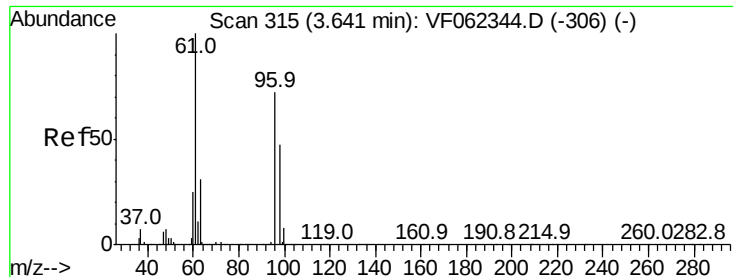
Tgt Ion: 77 Resp: 57081

Ion Ratio Lower Upper

77 100

97 19.0 9.5 28.5





#27

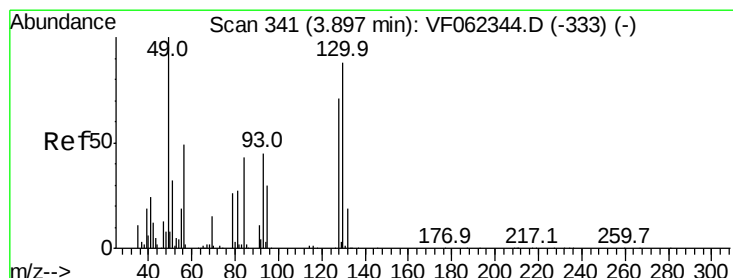
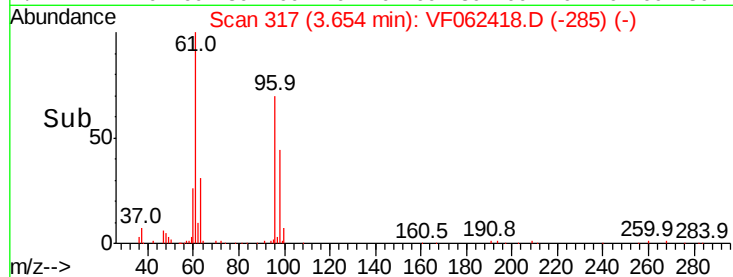
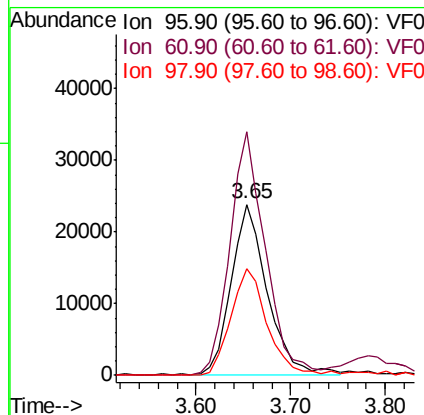
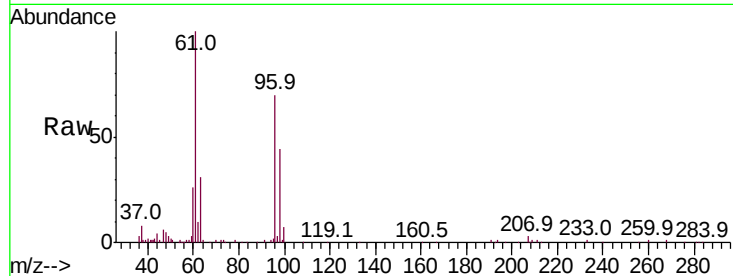
cis-1,2-Dichloroethene
Concen: 20.759 ug/l
RT: 3.65 min Scan# 317
Delta R.T. 0.01 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	63308		
61	139.5	0.0	263.0	
98	61.8	0.0	130.8	

Manual Integrations
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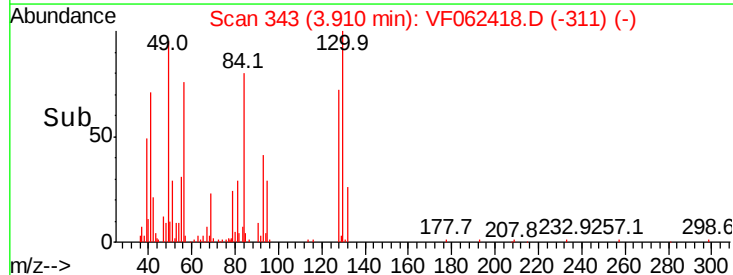
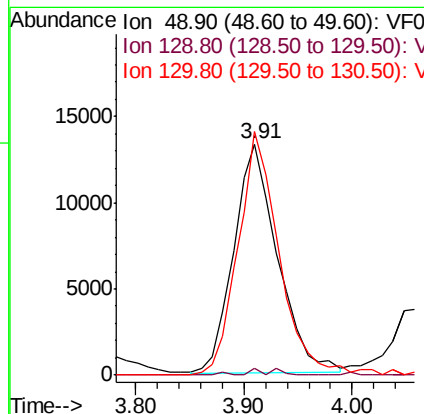
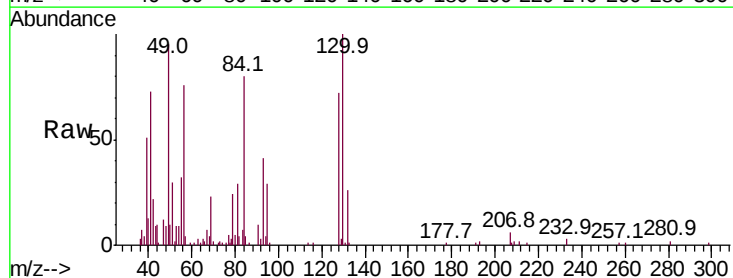
MMDadoda
5/11/2019 3:54:14 PM

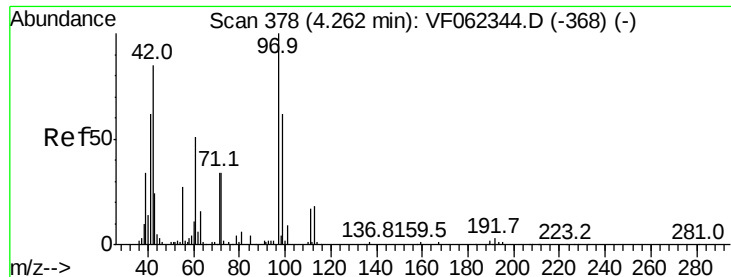


#28

Bromochloromethane
Concen: 19.410 ug/l
RT: 3.91 min Scan# 343
Delta R.T. 0.01 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	37612		
129	0.9	0.0	2.2	
130	99.7	79.4	119.0	





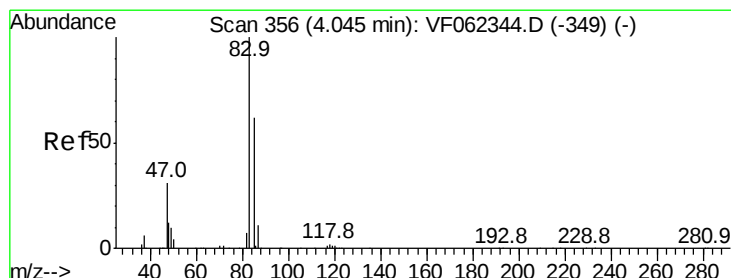
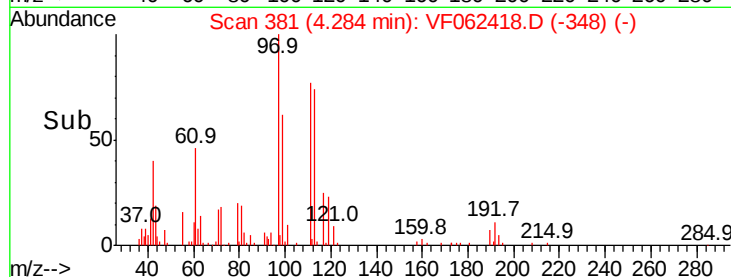
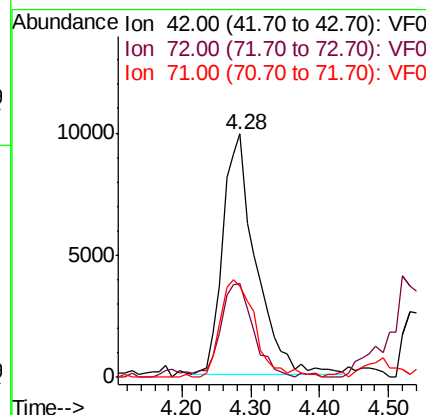
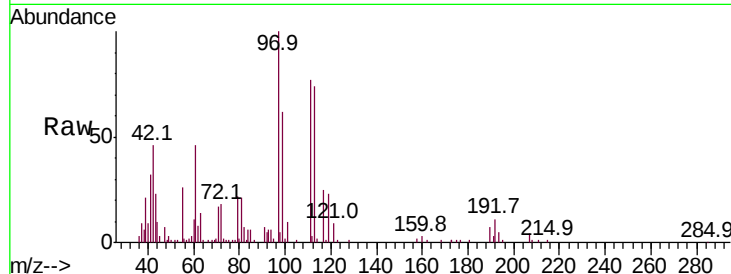
#29
Tetrahydrofuran
Concen: 87.921 ug/l
RT: 4.28 min Scan# 381
Delta R.T. 0.02 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.9	31.4	47.0
71	43.5	31.7	47.5

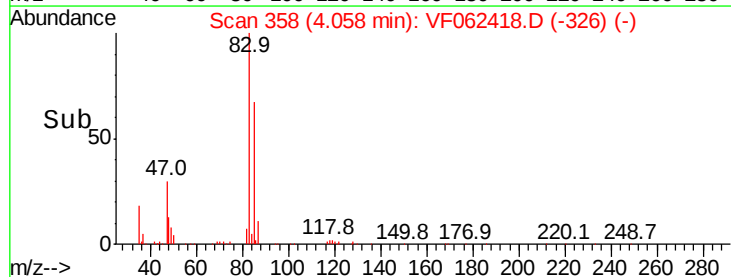
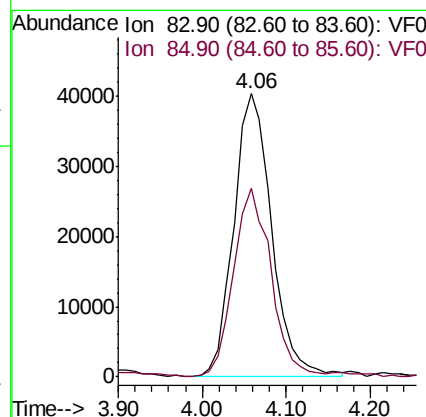
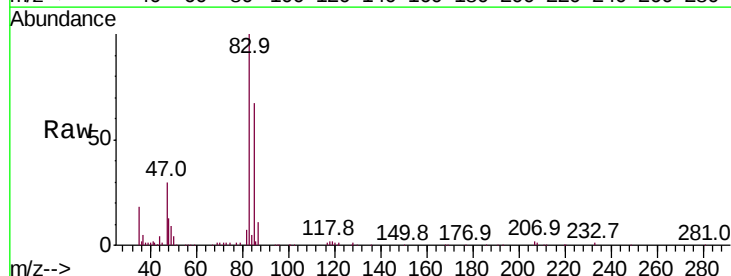
Manual Integrations
APPROVED

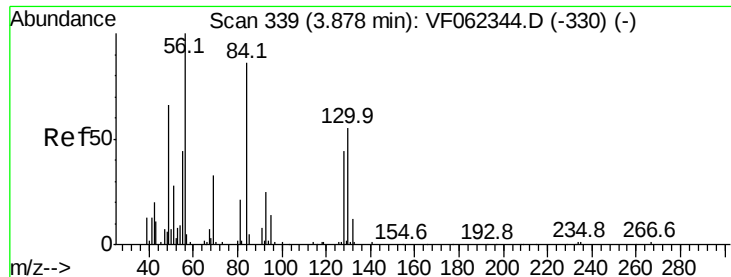
MMDadoda
5/11/2019 3:54:14 PM



#30
Chloroform
Concen: 22.008 ug/l
RT: 4.06 min Scan# 358
Delta R.T. 0.01 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	49.6	74.4





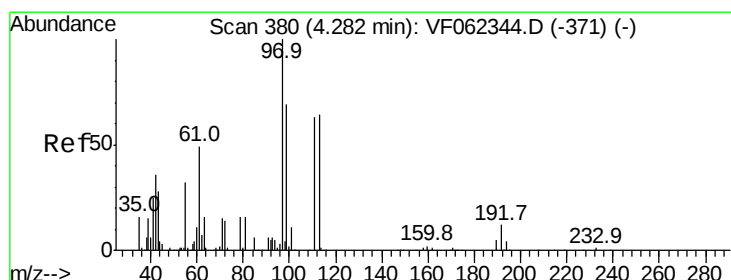
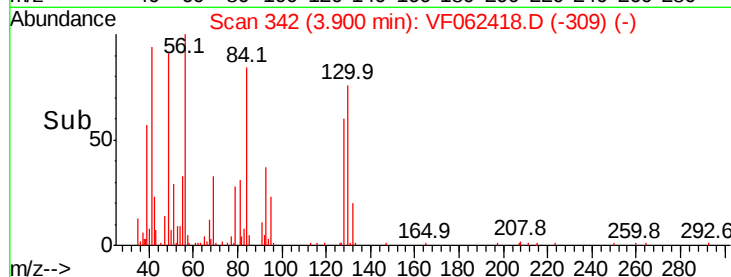
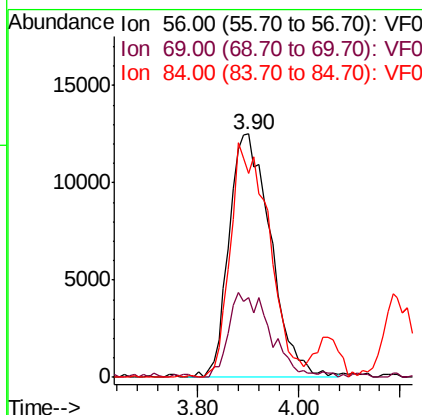
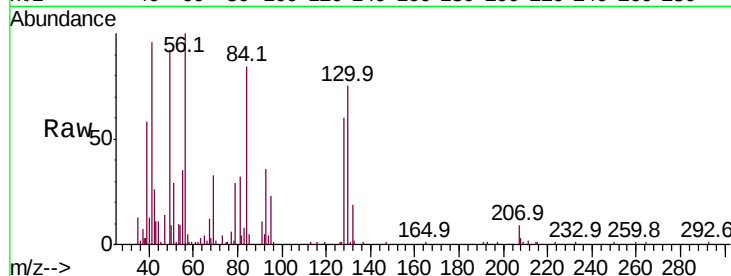
#31
Cvclohexane
Concen: 20.990 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.02 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.0	26.4	39.6
84	82.9	69.0	103.6

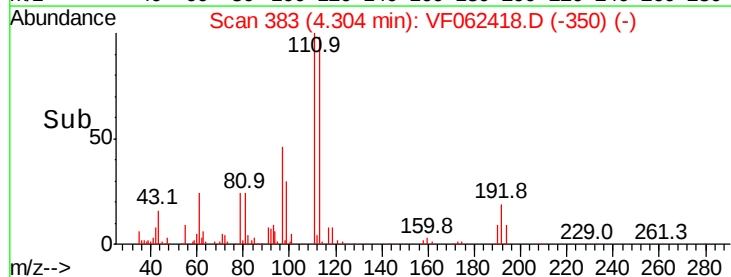
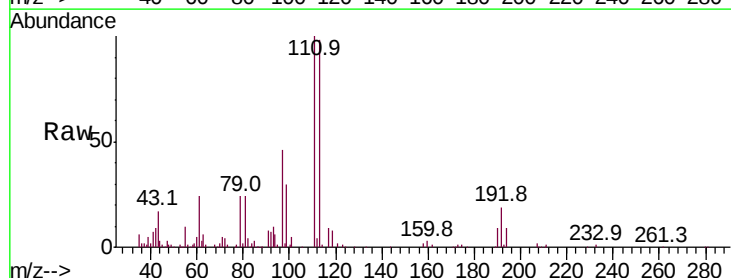
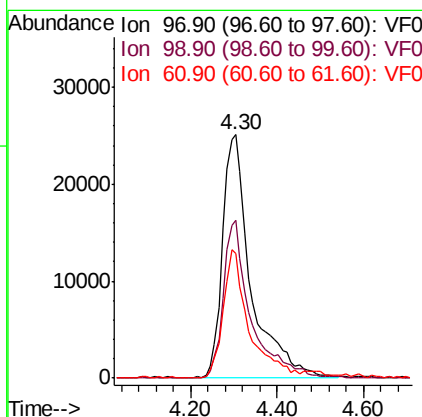
Manual Integrations
APPROVED

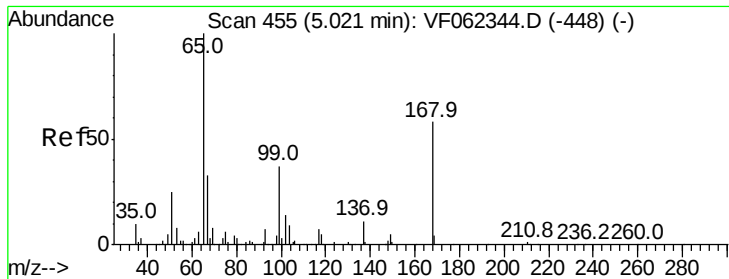
MMDadoda
5/11/2019 3:54:14 PM



#32
1,1,1-Trichloroethane
Concen: 23.275 ug/l
RT: 4.30 min Scan# 383
Delta R.T. 0.02 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.2	52.6	78.8
61	47.8	39.4	59.0





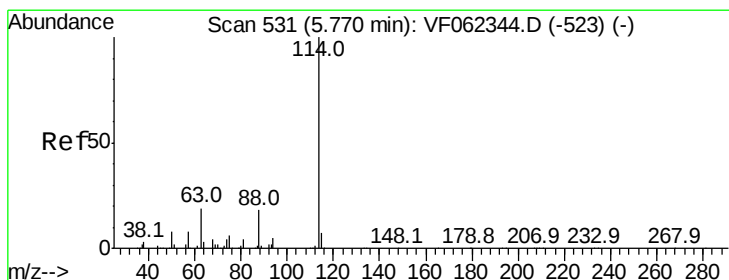
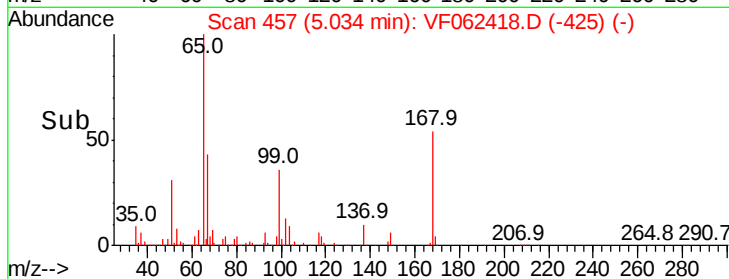
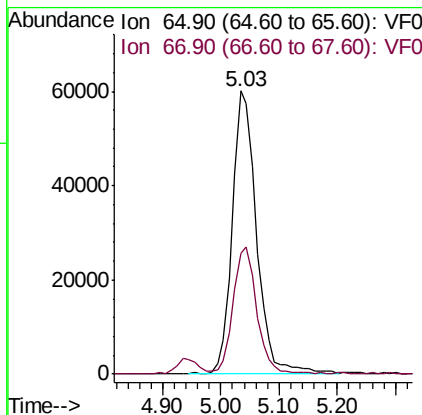
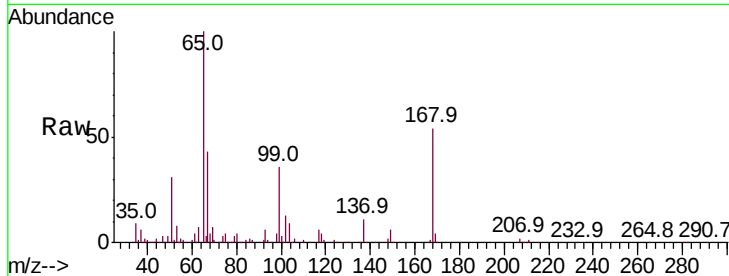
#33
 1,2-Dichloroethane-d4
 Concen: 55.286 ug/l
 RT: 5.03 min Scan# 457
 Delta R.T. 0.01 min
 Lab File: VF062418.D
 Acq: 10 May 2019 12:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	174499		
67	42.9	0.0	85.8	

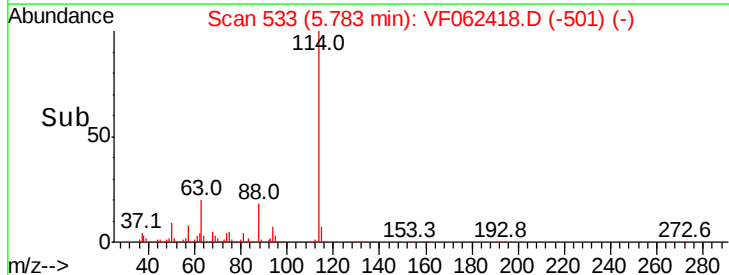
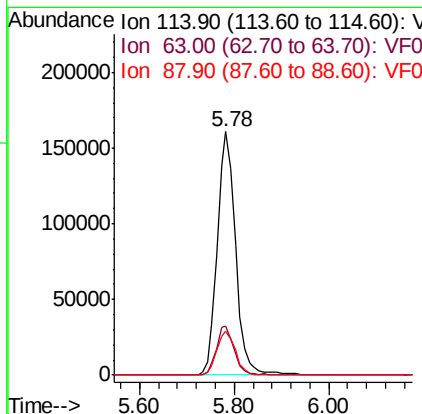
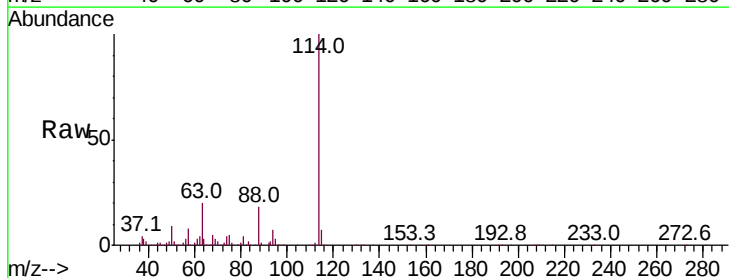
Manual Integrations
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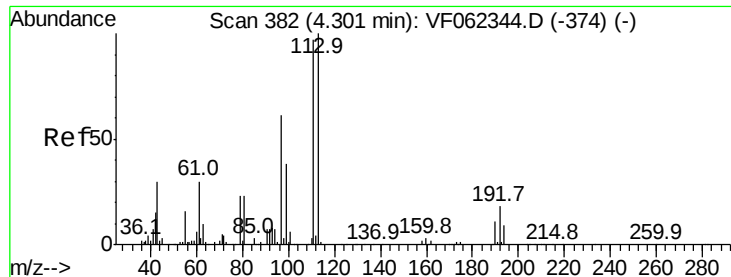
MMDadoda
 5/11/2019 3:54:14 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VF062418.D
 Acq: 10 May 2019 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	432139		
63	20.3	0.0	37.4	
88	18.2	0.0	36.4	





#35

Dibromofluoromethane

Concen: 55.234 ug/l

RT: 4.31 min Scan# 384

Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

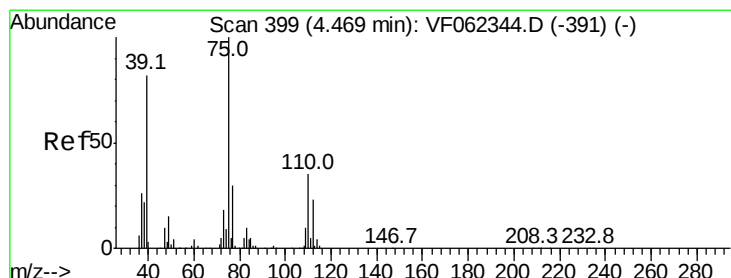
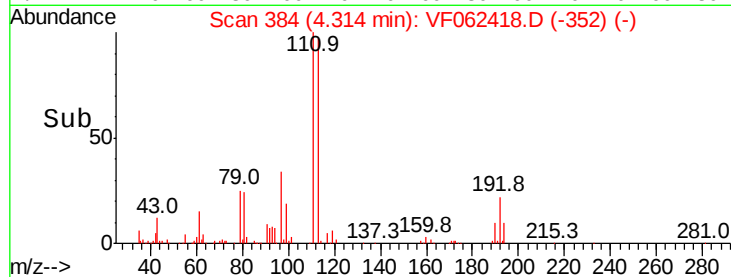
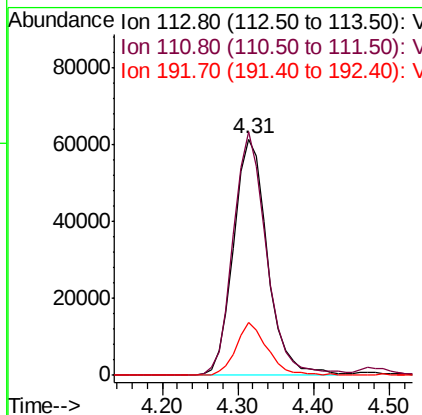
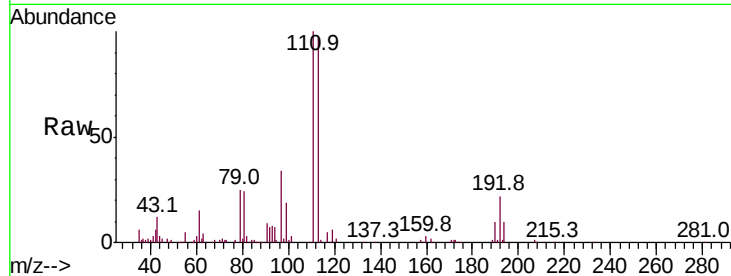
ClientSampleId :

VF0510SBSD01

Tot Ion:	113	Resp:	190160
Ion Ratio	Lower	Upper	
113	100		
111	101.8	79.4	119.0
192	20.9	16.0	24.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 22.491 ug/l

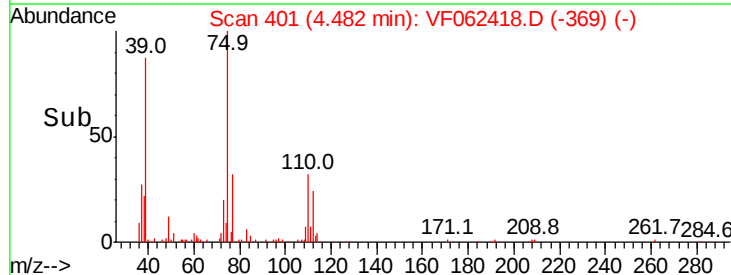
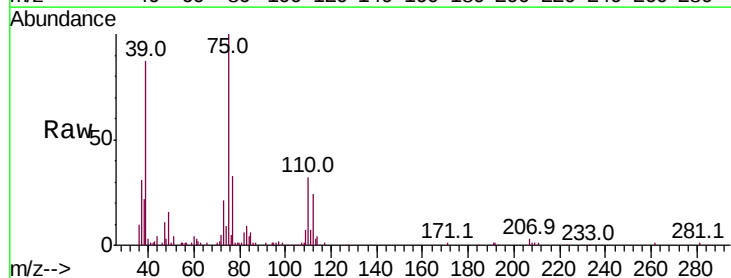
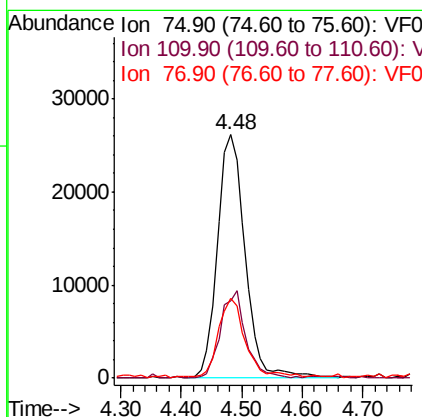
RT: 4.48 min Scan# 401

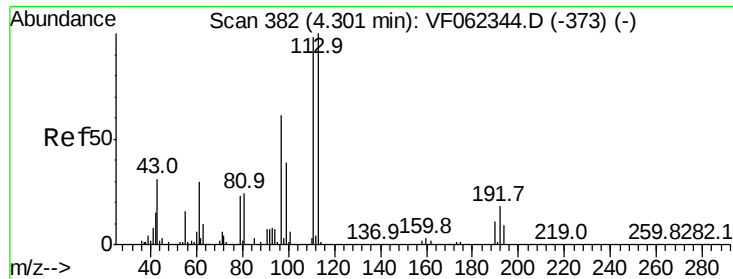
Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Tgt Ion:	75	Resp:	83491
Ion Ratio	Lower	Upper	
75	100		
110	32.9	17.2	51.5
77	33.5	25.2	37.8





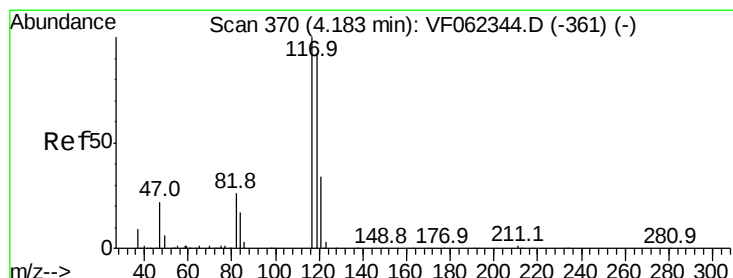
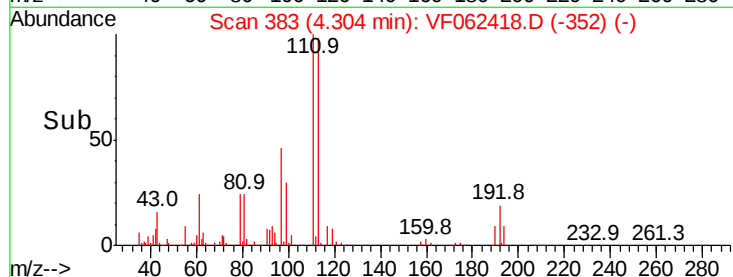
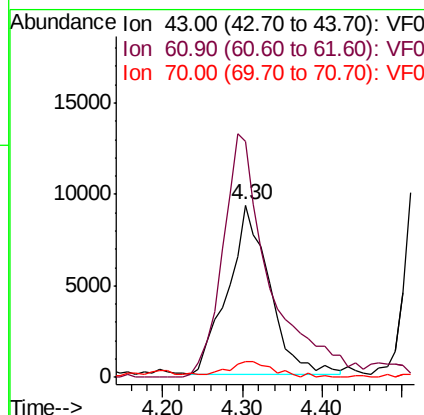
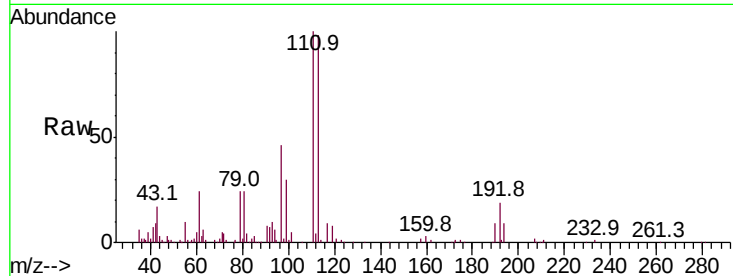
#37
Ethyl Acetate
Concen: 19.960 ug/l
RT: 4.30 min Scan# 383
Delta R.T. 0.00 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	164.7	0.0	0.0#
70	10.7	8.2	12.2

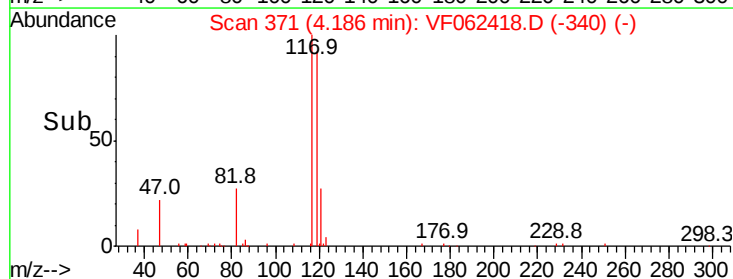
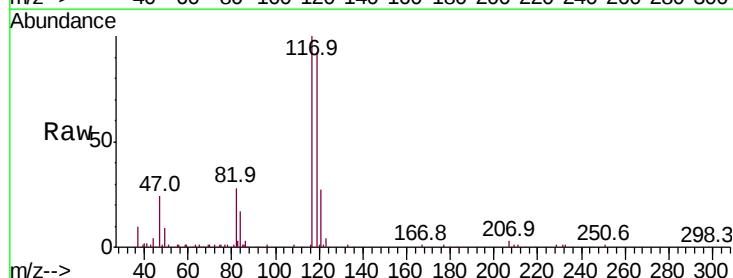
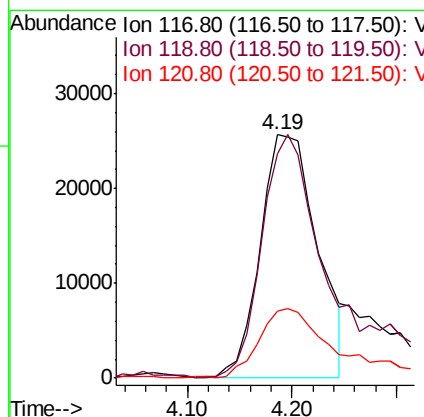
Manual Integrations
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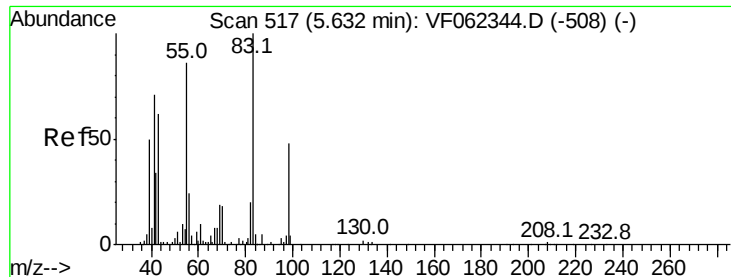
MMDadoda
5/11/2019 3:54:14 PM



#38
Carbon Tetrachloride
Concen: 24.049 ug/l m
RT: 4.19 min Scan# 371
Delta R.T. 0.00 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.3	73.4	110.2
121	27.4	27.4	41.0





#39

Methylcyclohexane

Concen: 22.063 ug/l

RT: 5.64 min Scan# 519

Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

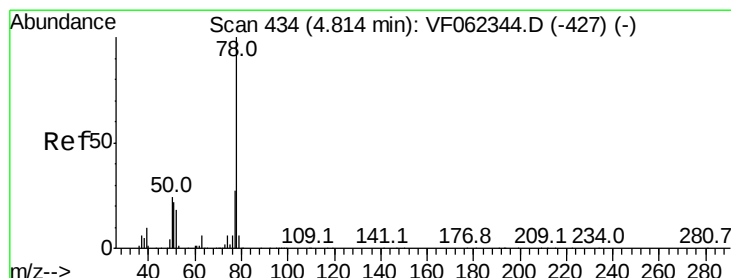
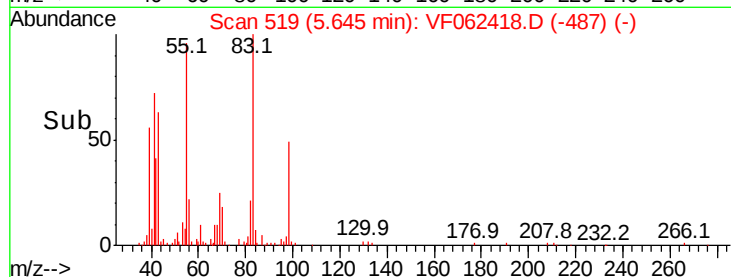
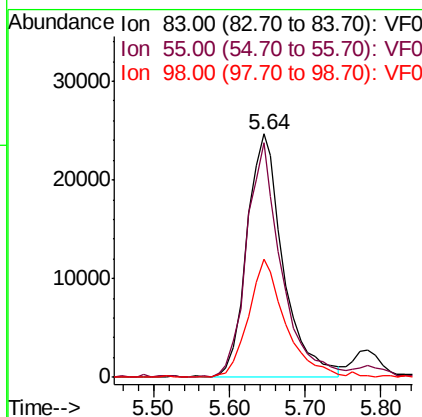
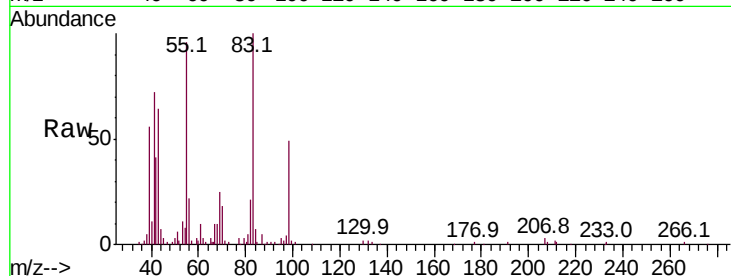
ClientSampleId :

VF0510SBS01

Tot Ion:	83	Resp:	82142
Ion Ratio	Lower	Upper	
83	100		
55	96.0	69.0	103.6
98	48.7	38.6	58.0

Manual Integrations
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#40

Benzene

Concen: 22.614 ug/l

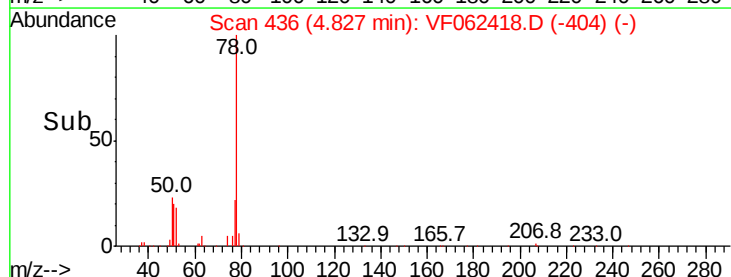
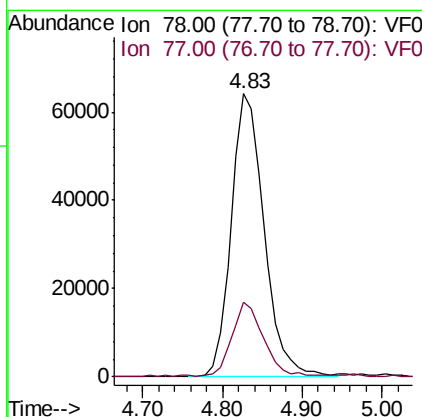
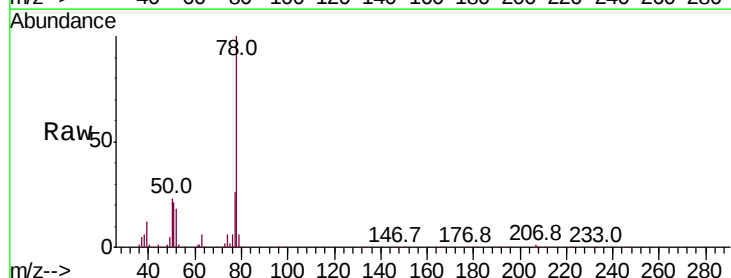
RT: 4.83 min Scan# 436

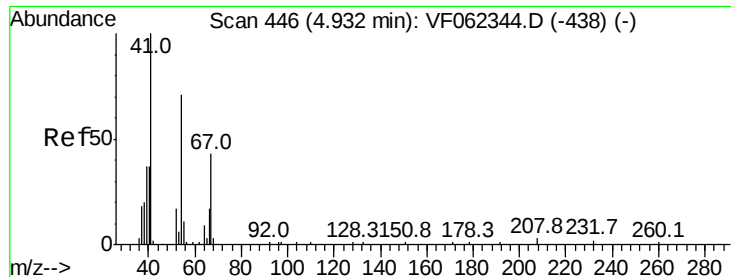
Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Tgt Ion:	78	Resp:	184862
Ion Ratio	Lower	Upper	
78	100		
77	26.0	21.6	32.4





#41

Methacrylonitrile

Concen: 17.319 ug/l

RT: 4.93 min Scan# 447

Delta R.T. 0.00 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

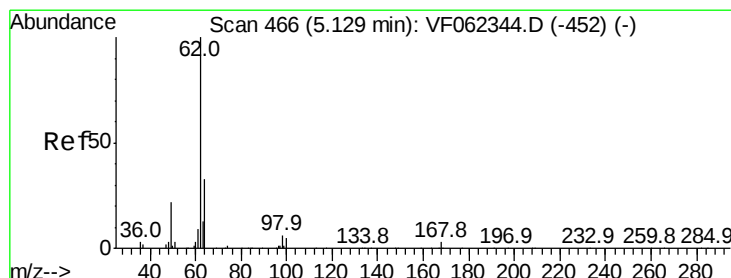
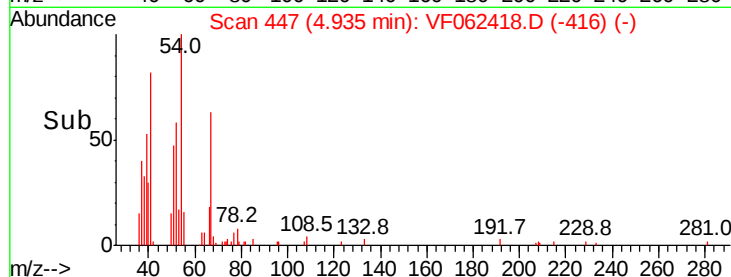
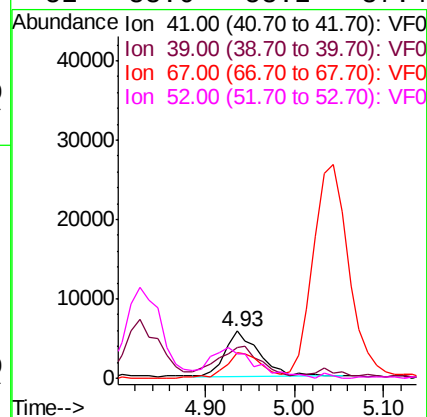
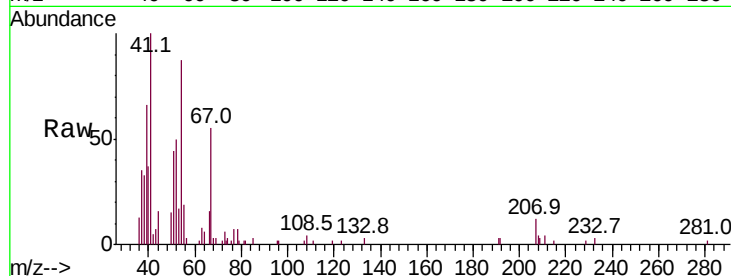
ClientSampleId :

VF0510SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		15416		
39	80.7	54.3	81.5		
67	58.2	37.8	56.8#		
52	88.6	58.2	87.4#		

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 23.128 ug/l

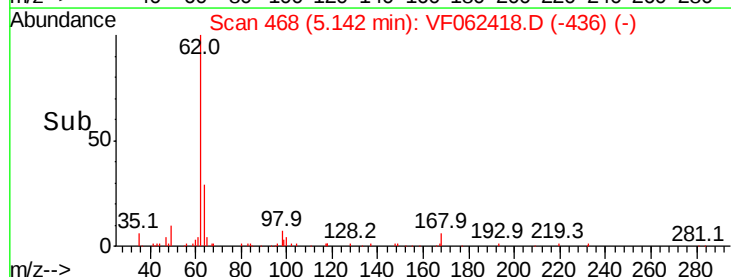
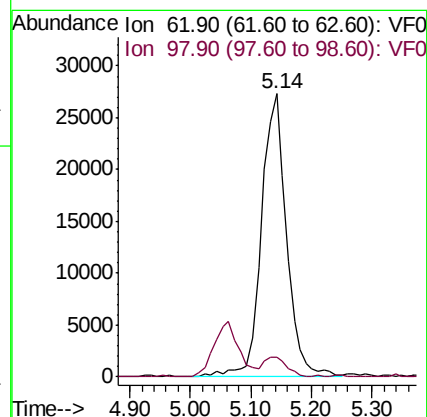
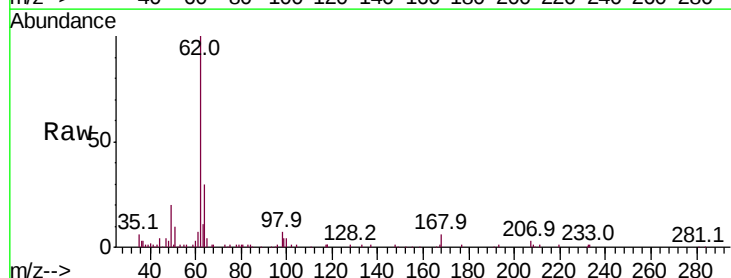
RT: 5.14 min Scan# 468

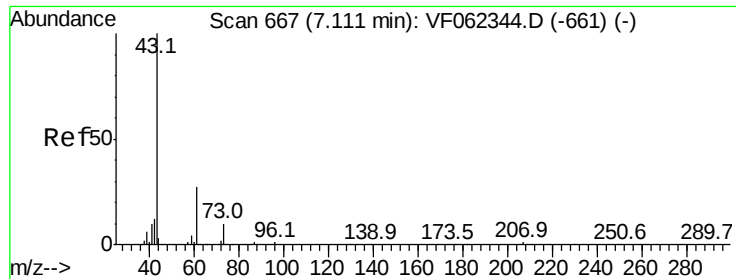
Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		79073		
98	6.2	0.0	12.4		





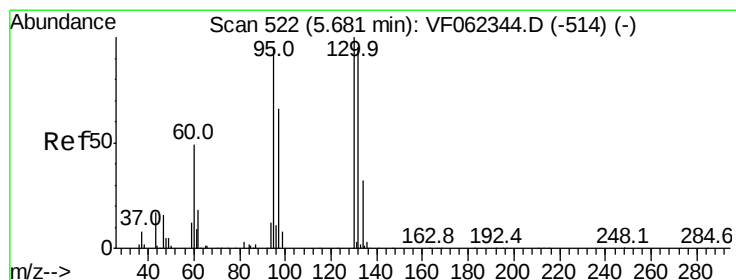
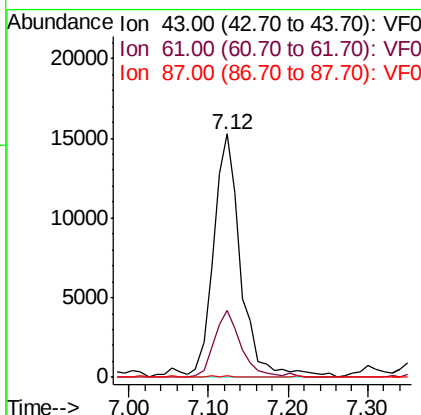
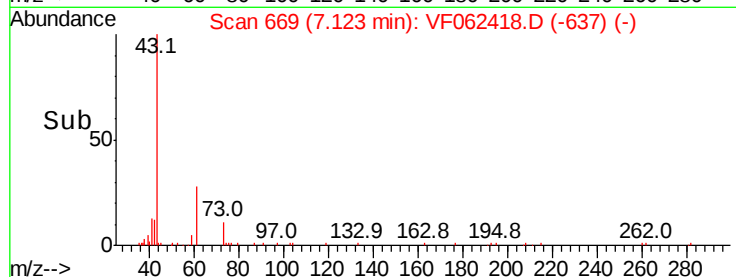
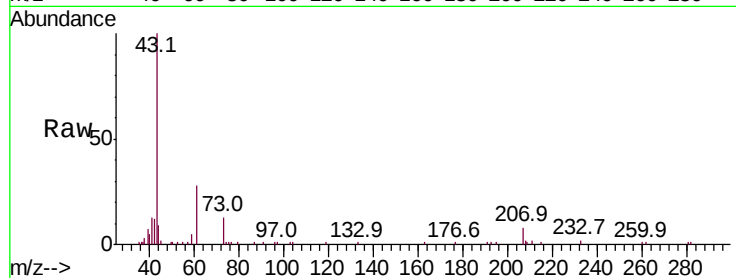
#43
Isopropyl Acetate
Concen: 21.783 ug/l
RT: 7.12 min Scan# 669
Delta R.T. 0.01 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.8	22.8	34.2
87	0.4	0.6	1.0

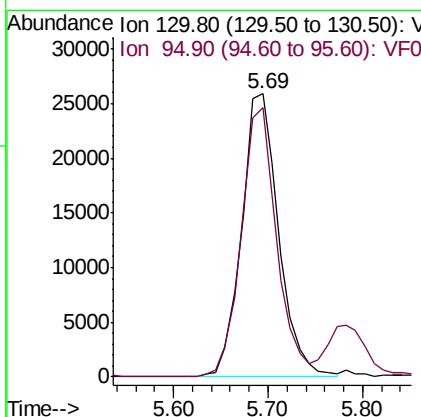
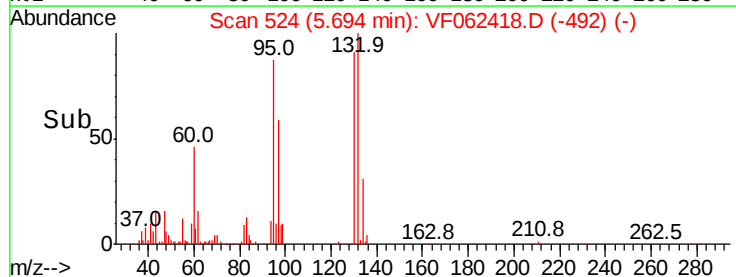
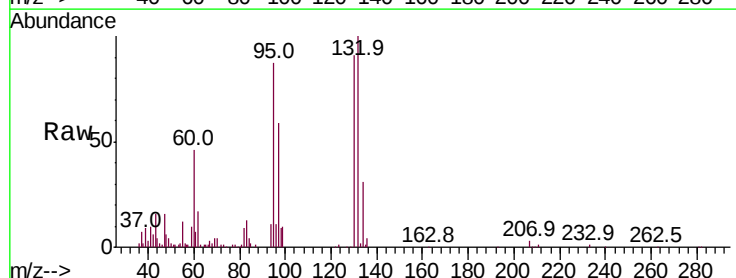
Manual Integrations
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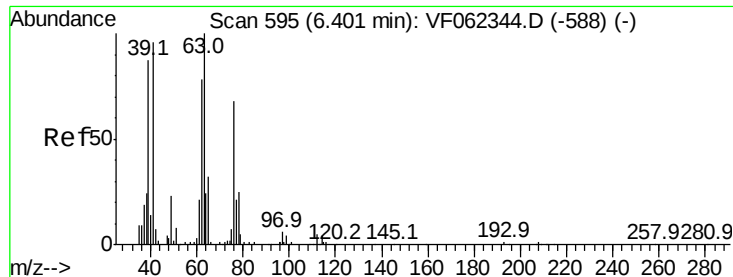
MMDadoda
5/11/2019 3:54:14 PM



#44
Trichloroethene
Concen: 23.304 ug/l
RT: 5.69 min Scan# 524
Delta R.T. 0.01 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	189.0





#45

1,2-Dichloropropane

Concen: 22.799 ug/l

RT: 6.41 min Scan# 597

Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBSD01

Tot Ion: 63 Resp: 42214

Ion Ratio Lower Upper

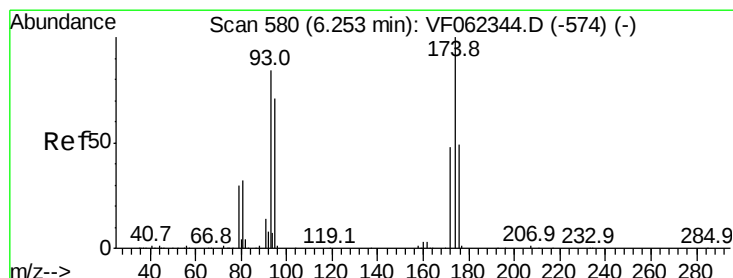
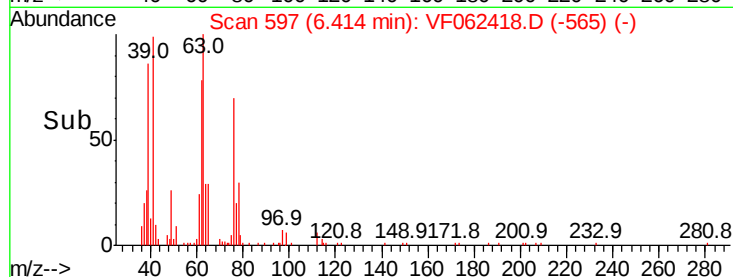
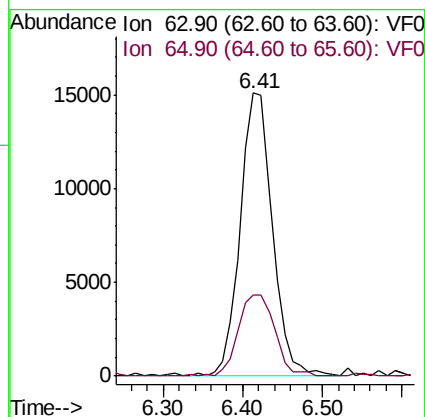
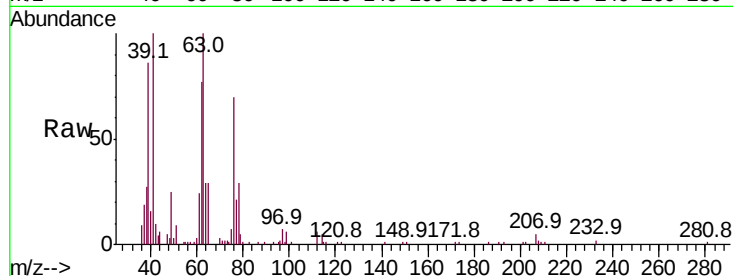
63 100

65 28.7 25.6 38.4

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#46

Dibromomethane

Concen: 21.895 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

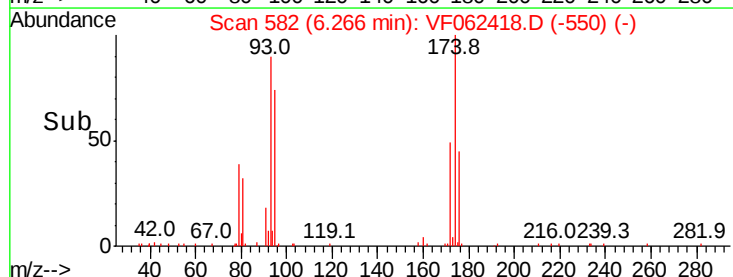
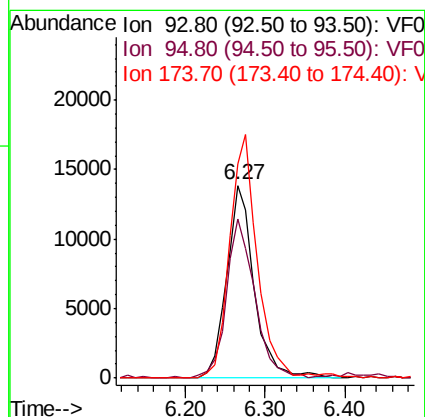
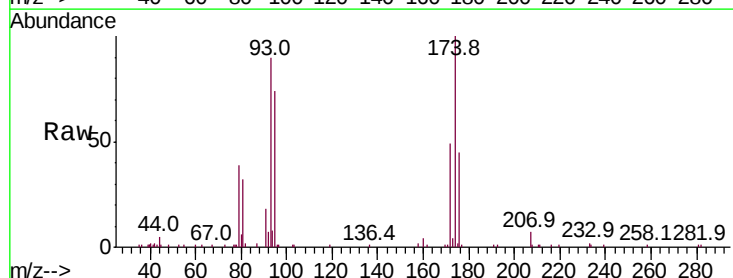
Tgt Ion: 93 Resp: 33612

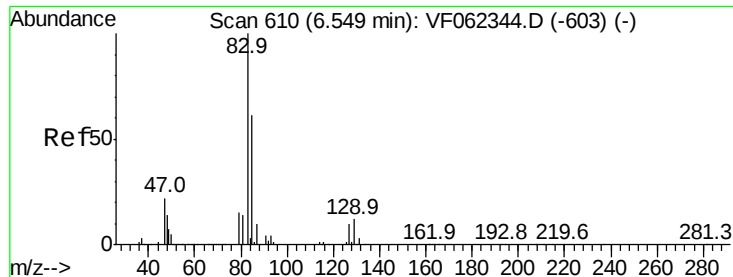
Ion Ratio Lower Upper

93 100

95 84.6 68.4 102.6

174 125.7 99.6 149.4





#47

Bromodichloromethane

Concen: 23.090 ug/l

RT: 6.56 min Scan# 612

Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

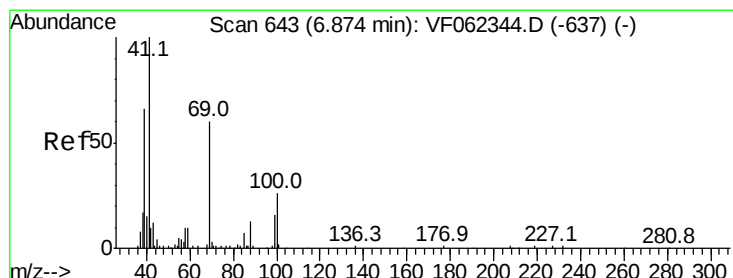
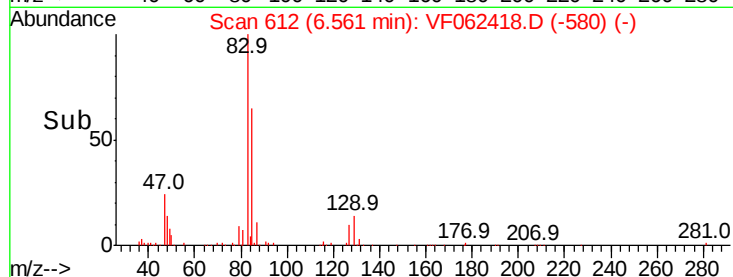
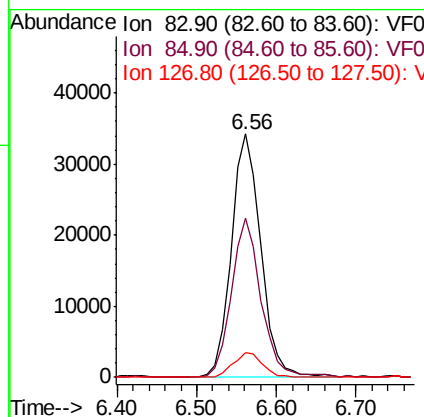
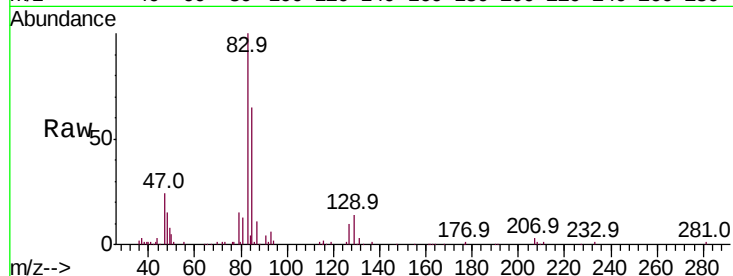
ClientSampleId :

VF0510SBS01

Tot Ion:	83	Resp:	88622
Ion Ratio	Lower	Upper	
83	100		
85	65.4	49.1	73.7
127	10.0	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.155 ug/l

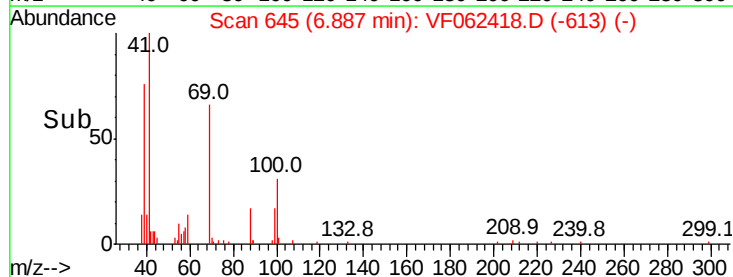
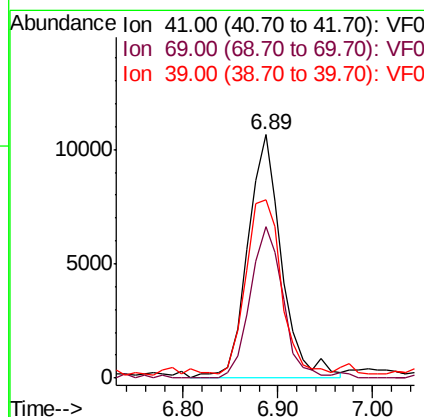
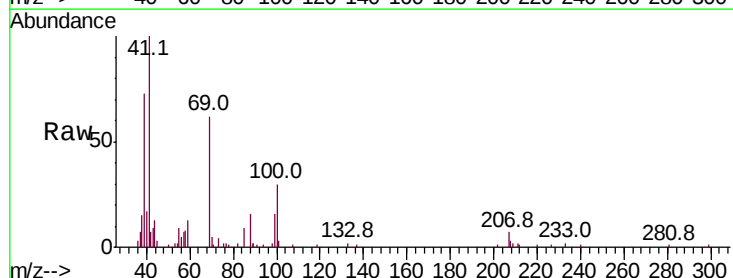
RT: 6.89 min Scan# 645

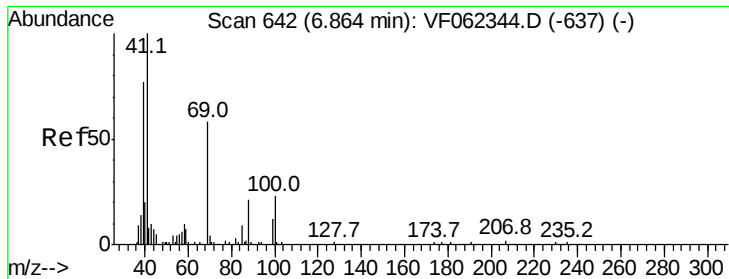
Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Tgt Ion:	41	Resp:	26437
Ion Ratio	Lower	Upper	
41	100		
69	59.9	48.6	72.8
39	74.7	56.1	84.1





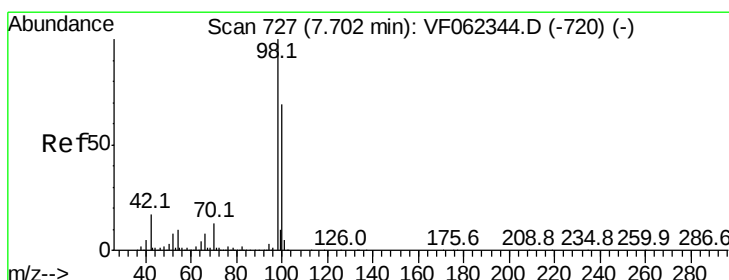
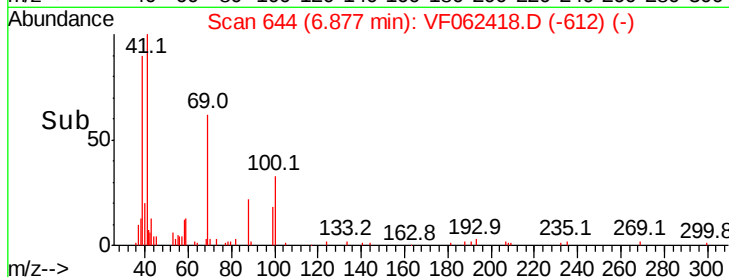
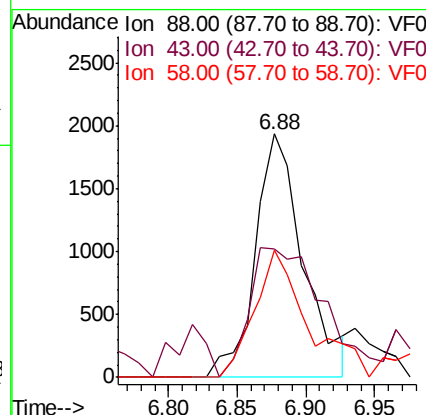
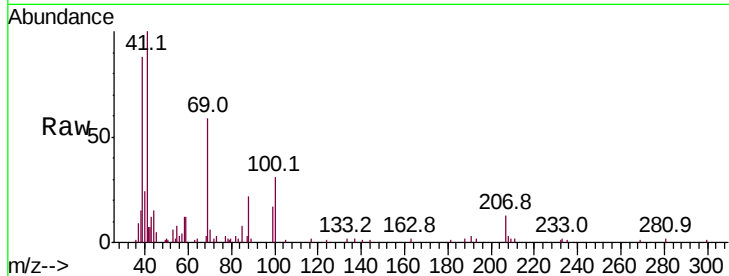
#49
1,4-Dioxane
Concen: 373.485 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.01 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	82.8	55.6	83.4
58	57.9	52.8	79.2

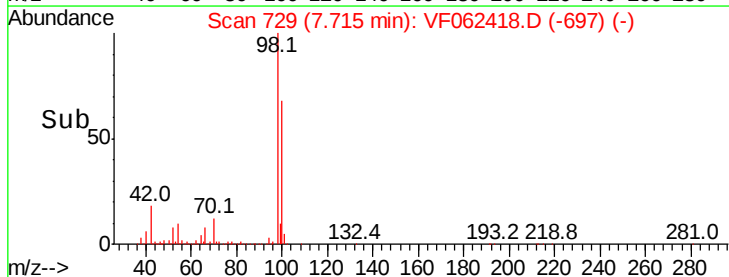
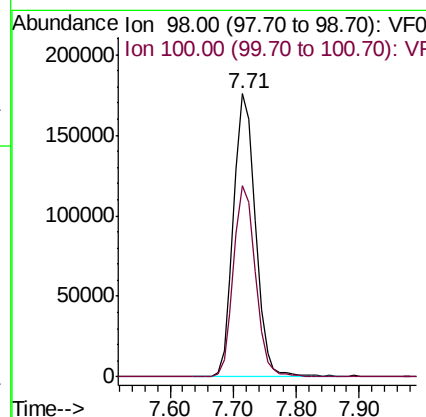
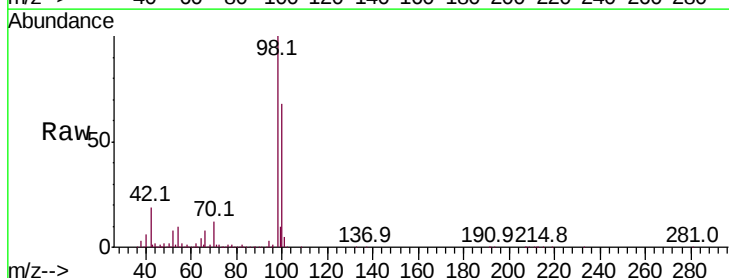
Manual Integrations
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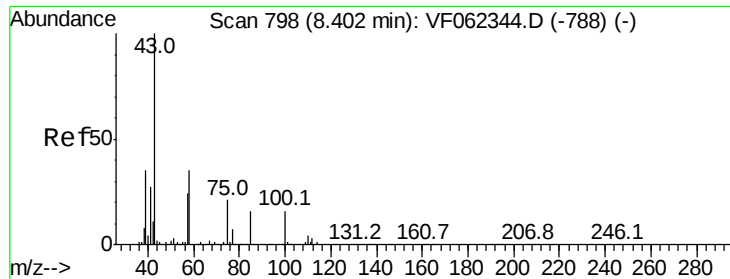
MMDadoda
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#50
Toluene-d8
Concen: 50.877 ug/l
RT: 7.71 min Scan# 729
Delta R.T. 0.01 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.6	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 105.400 ug/l

RT: 8.40 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBSD01

Tot Ion: 43 Resp: 134855

Ion Ratio Lower Upper

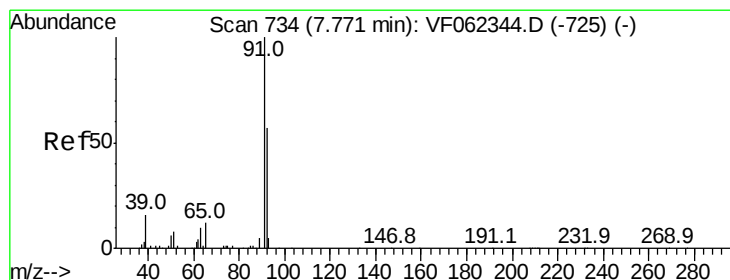
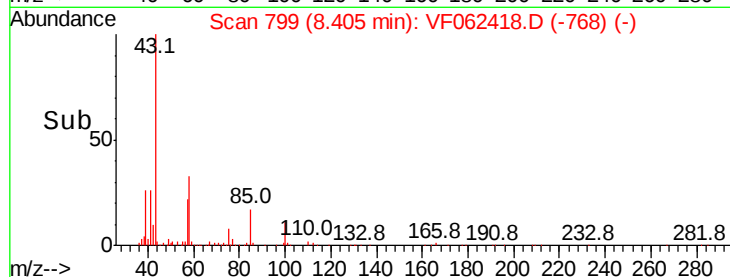
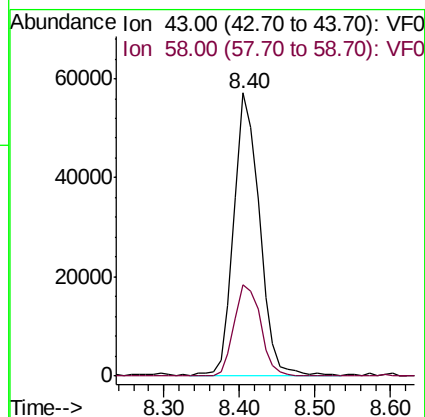
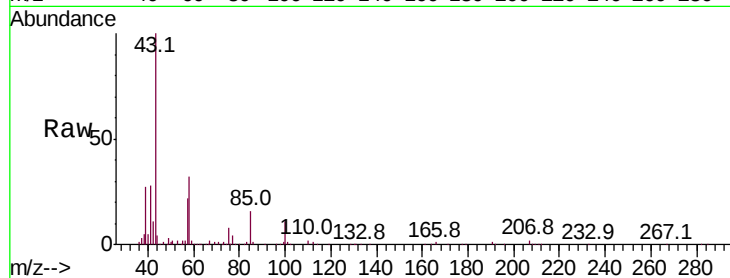
43 100

58 33.1 27.8 41.6

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#52

Toluene

Concen: 22.191 ug/l

RT: 7.78 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF062418.D

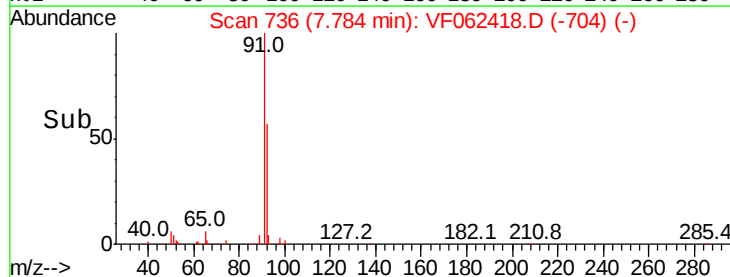
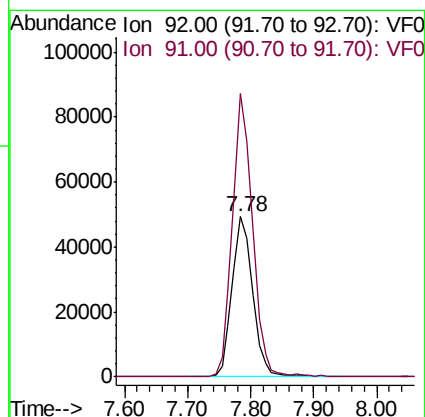
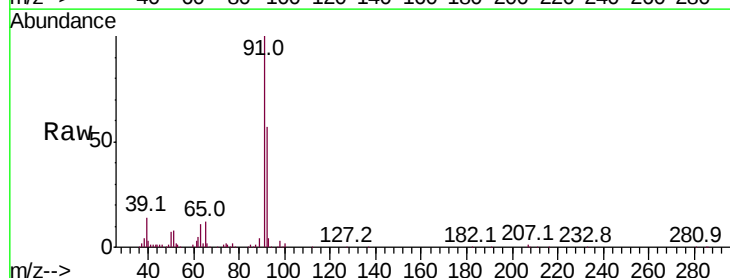
Acq: 10 May 2019 12:47

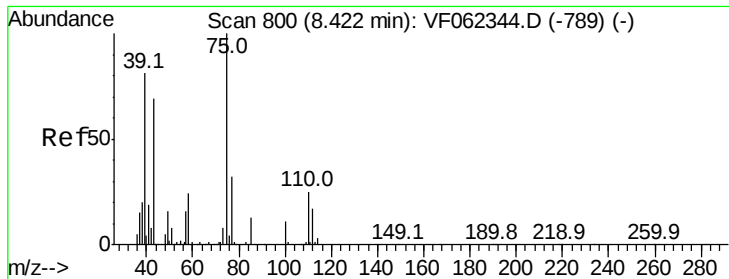
Tgt Ion: 92 Resp: 111907

Ion Ratio Lower Upper

92 100

91 171.2 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 21.556 ug/l

RT: 8.43 min Scan# 802

Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBSD01

Tot Ion: 75 Resp: 62577

Ion Ratio Lower Upper

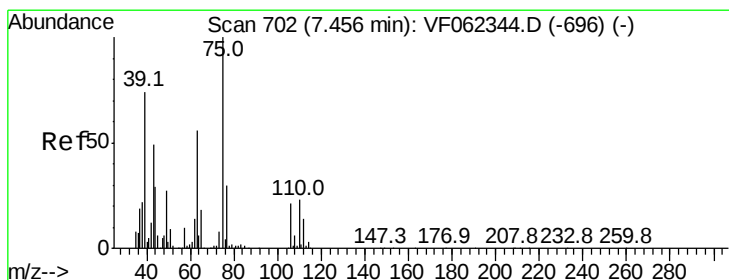
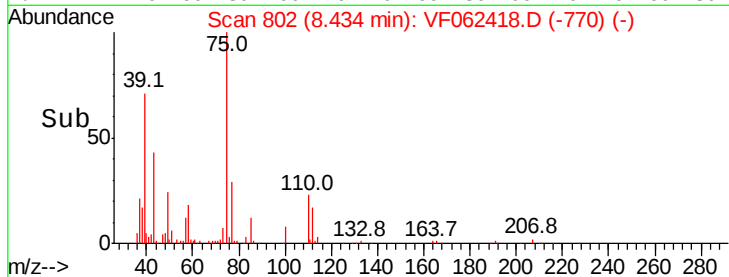
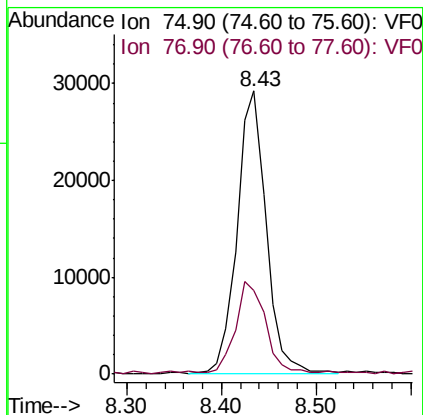
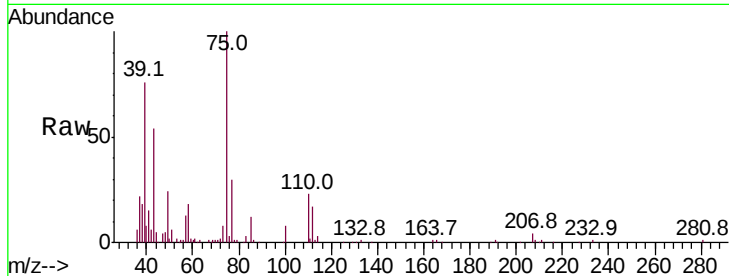
75 100

77 28.9 25.4 38.0

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#54

cis-1,3-Dichloropropene

Concen: 22.533 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

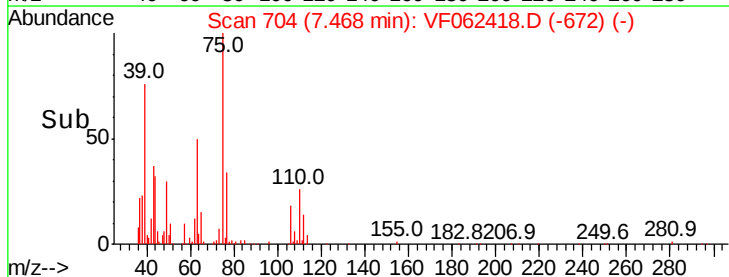
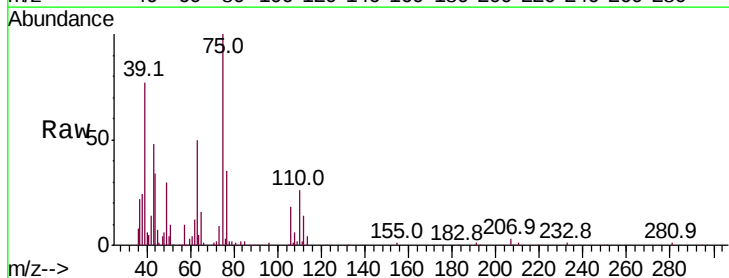
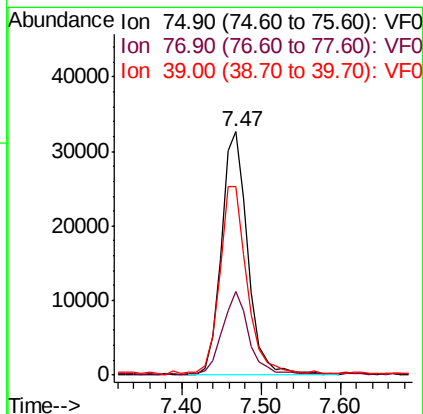
Tgt Ion: 75 Resp: 76129

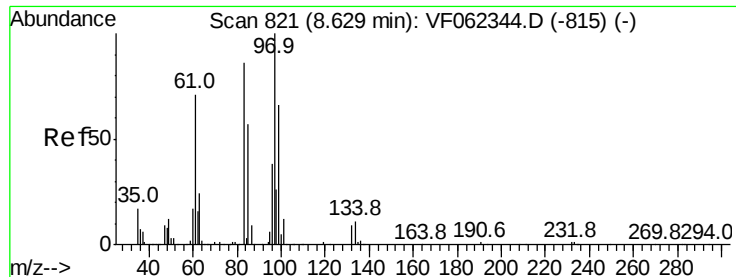
Ion Ratio Lower Upper

75 100

77 34.0 24.0 36.0

39 76.5 58.7 88.1





#55

1,1,2-Trichloroethane

Concen: 21.770 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

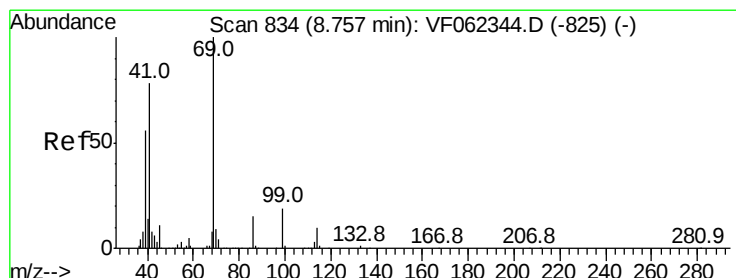
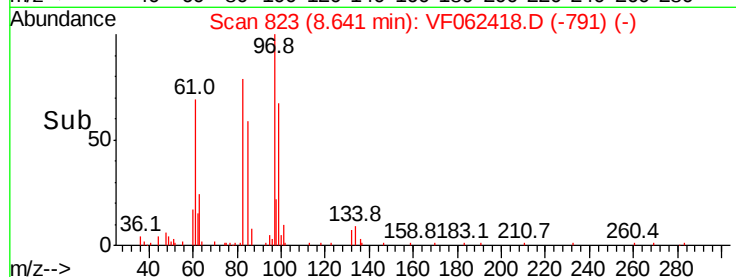
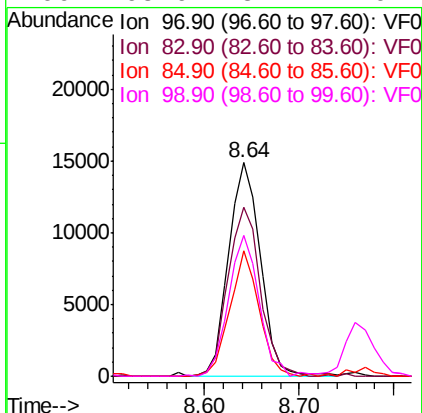
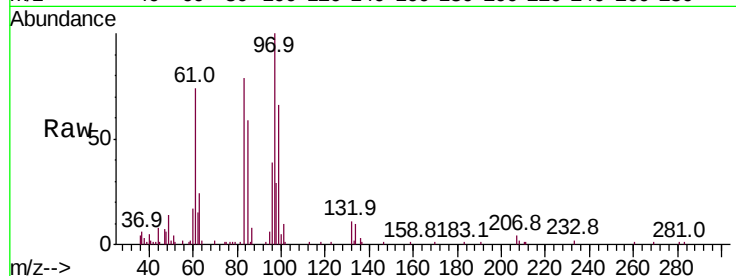
ClientSampleId :

VF0510SBSD01

Tot Ion:	97	Resp:	34851
Ion	Ratio	Lower	Upper
97	100		
83	79.0	68.5	102.7
85	58.7	45.4	68.2
99	65.6	52.7	79.1

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#56

Ethyl methacrylate

Concen: 19.530 ug/l

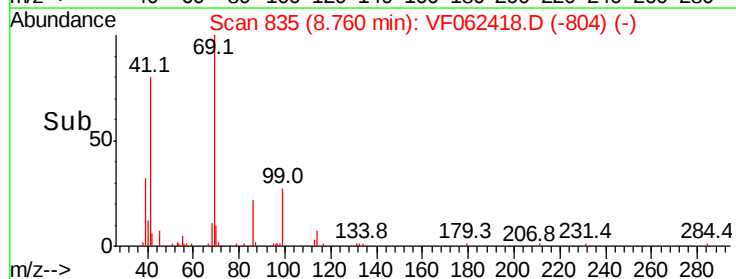
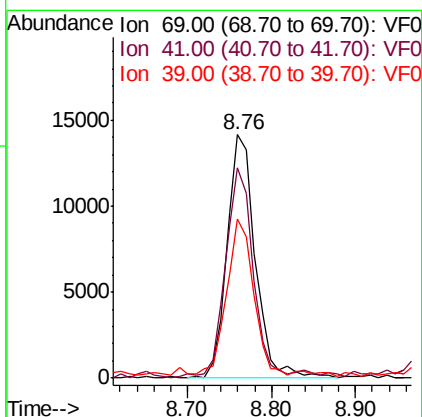
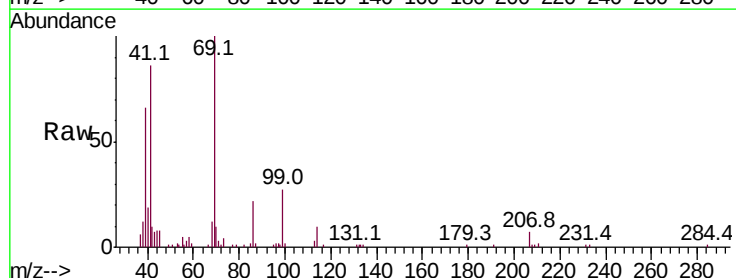
RT: 8.76 min Scan# 835

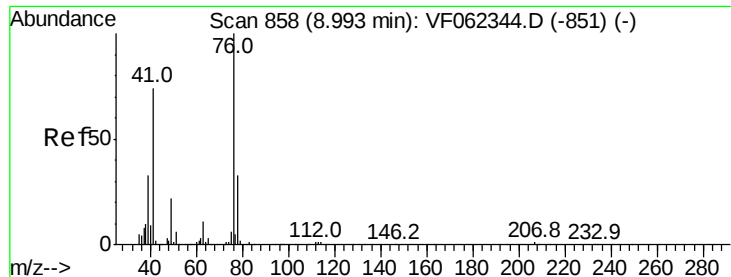
Delta R.T. 0.00 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Tgt Ion:	69	Resp:	33003
Ion	Ratio	Lower	Upper
69	100		
41	84.7	66.3	99.5
39	60.0	50.1	75.1





#57

1,3-Dichloropropane

Concen: 21.978 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBSD01

Tot Ion: 76 Resp: 53147

Ion Ratio Lower Upper

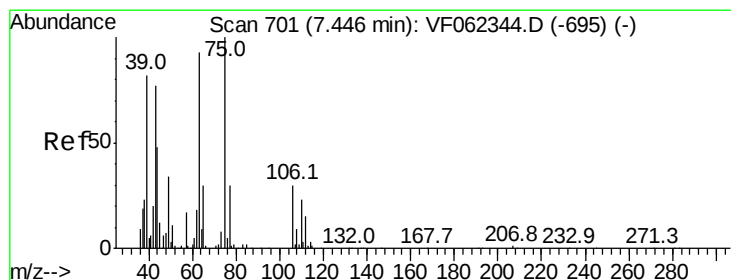
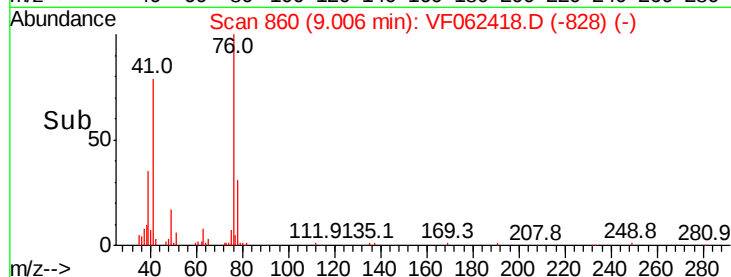
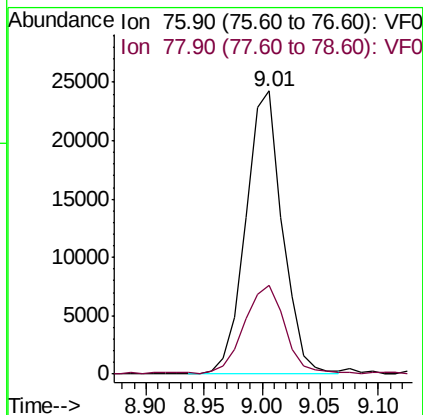
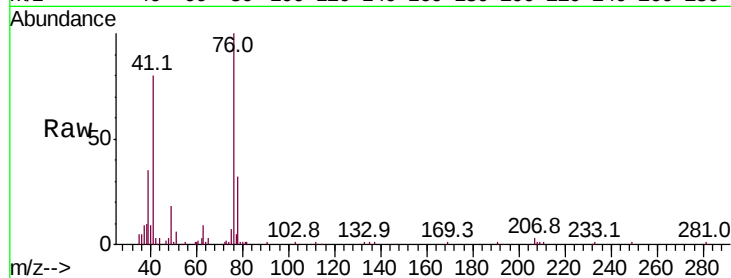
76 100

78 35.1 26.4 39.6

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#58

2-Chloroethyl Vinyl ether

Concen: 105.924 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF062418.D

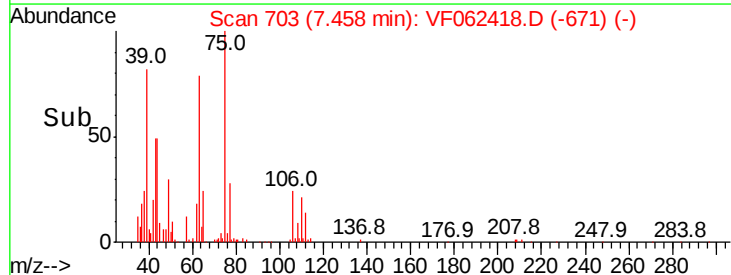
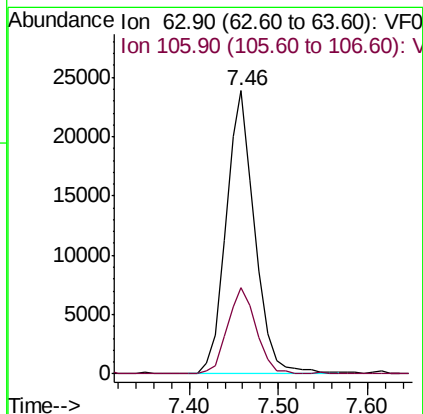
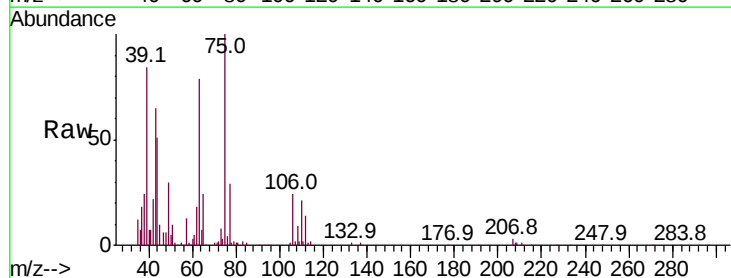
Acq: 10 May 2019 12:47

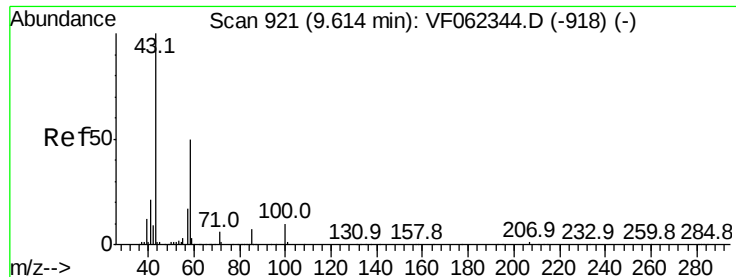
Tgt Ion: 63 Resp: 53816

Ion Ratio Lower Upper

63 100

106 30.4 25.8 38.8





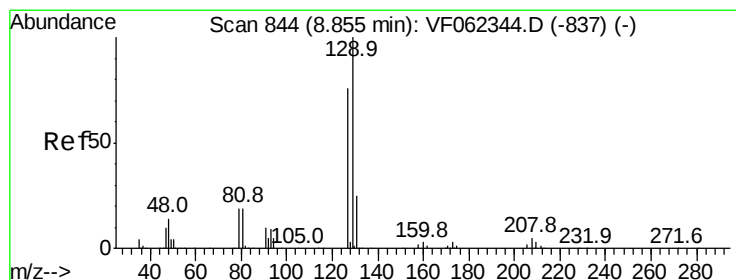
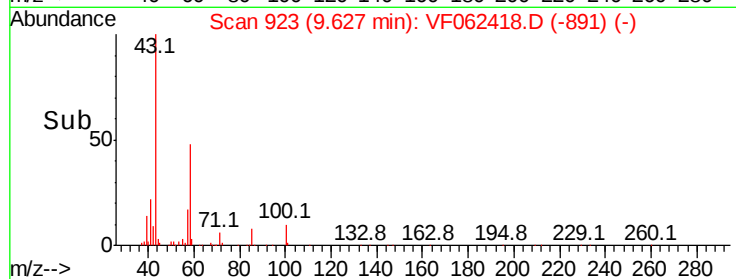
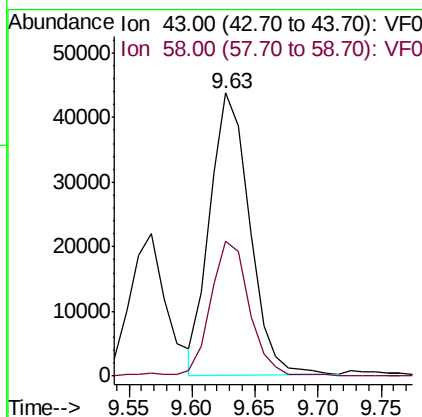
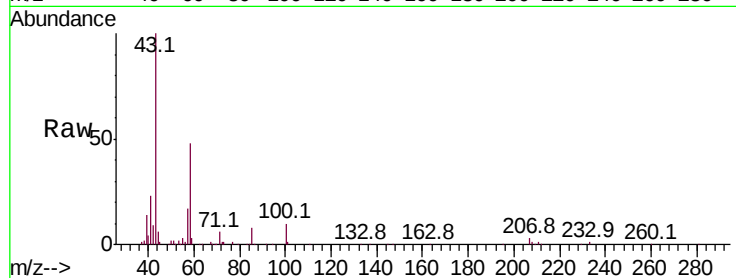
#59
2-Hexanone
Concen: 107.210 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.01 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.8	24.3	73.0

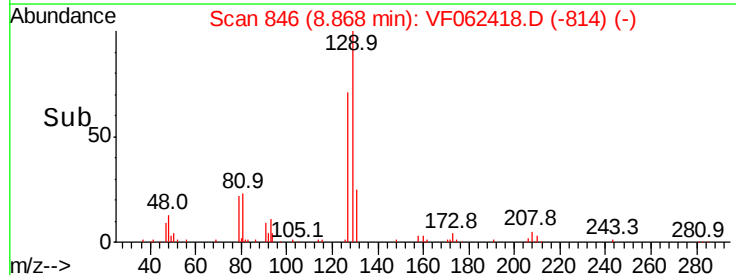
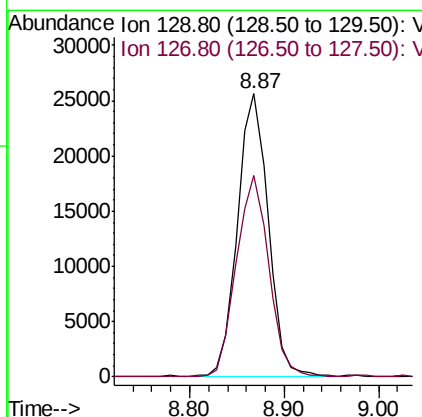
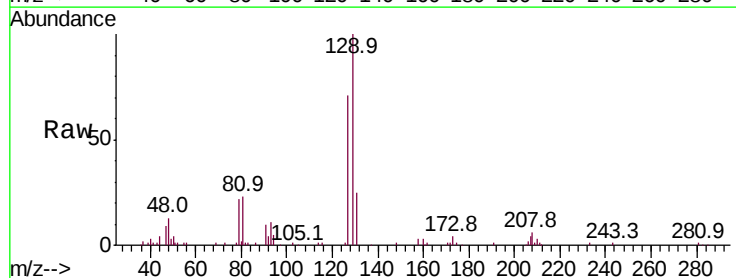
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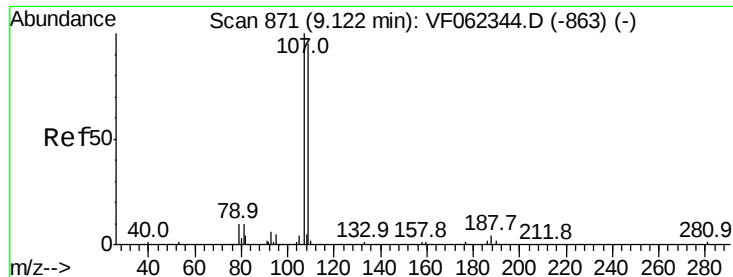
MMDadoda
5/11/2019 3:54:14 PM



#60
Dibromochloromethane
Concen: 22.116 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.01 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.7	38.5	115.3





#61

1,2-Dibromoethane

Concen: 21.219 ug/l

RT: 9.13 min Scan# 873

Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBSD01

Tot Ion:107 Resp: 39924

Ion Ratio Lower Upper

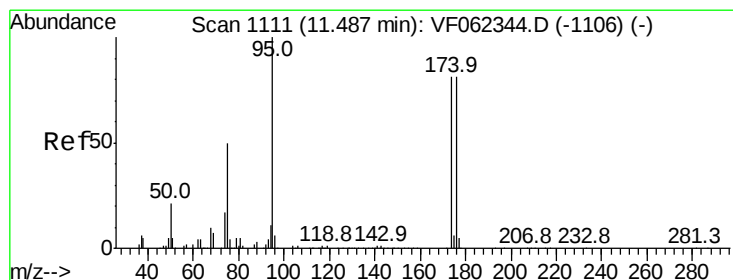
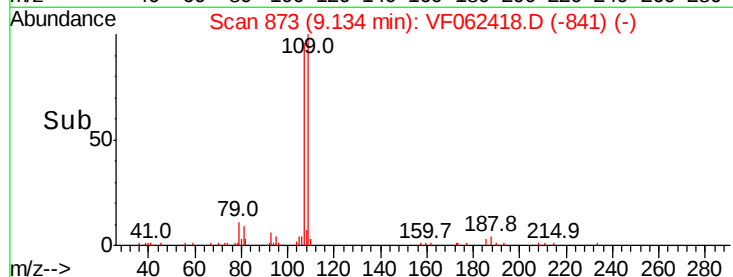
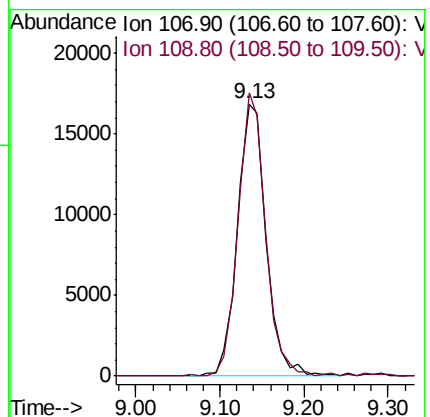
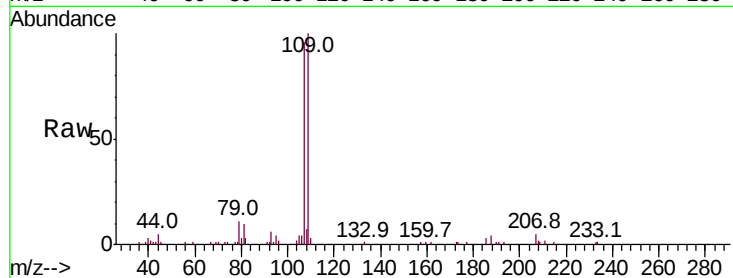
107 100

109 99.5 75.2 112.8

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 52.352 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

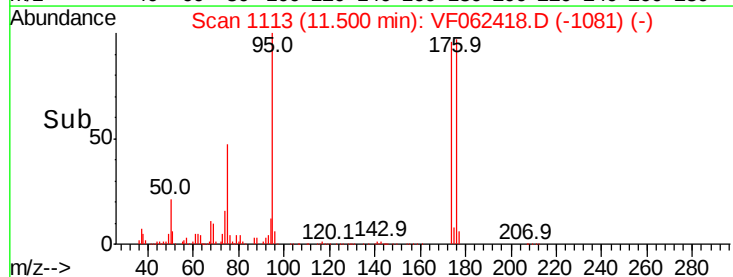
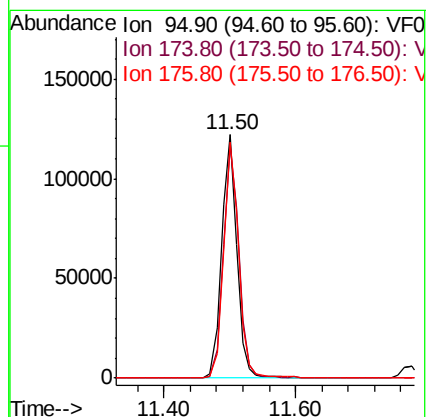
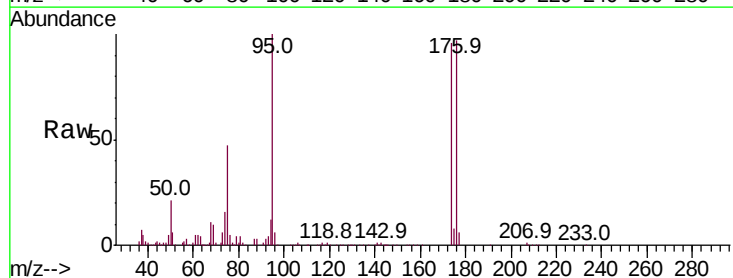
Tgt Ion: 95 Resp: 196836

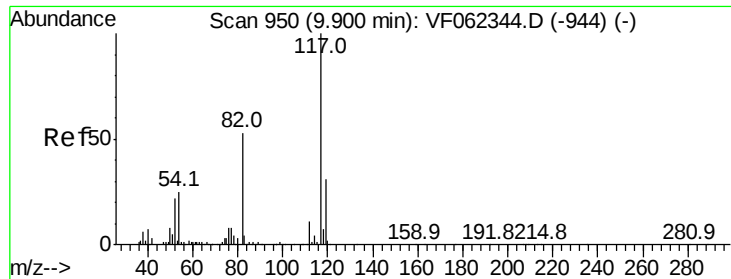
Ion Ratio Lower Upper

95 100

174 98.2 0.0 191.8

176 96.6 0.0 193.2





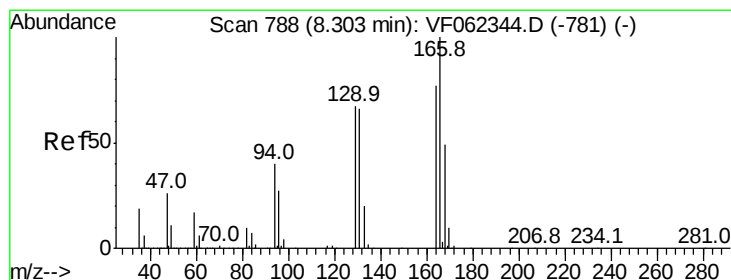
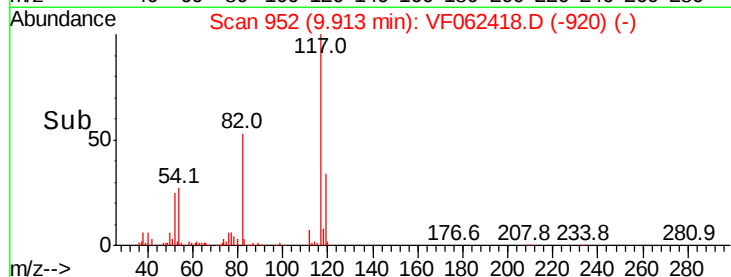
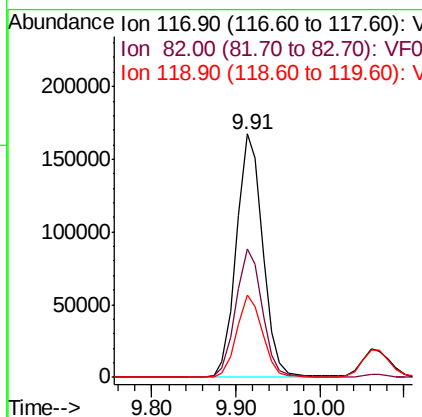
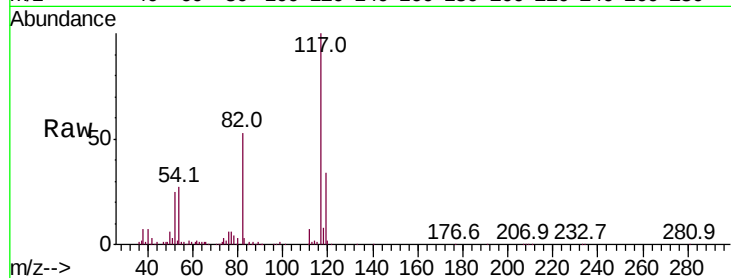
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBSD01

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	52.8	42.2	63.2
119	33.9	25.0	37.4

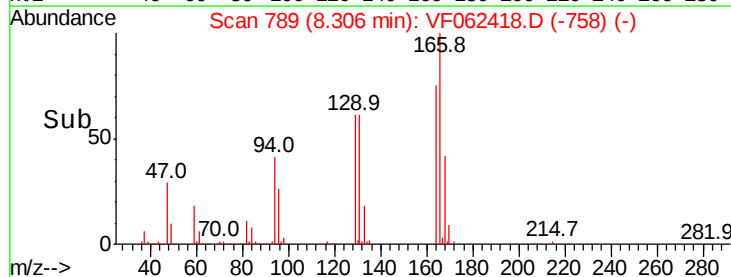
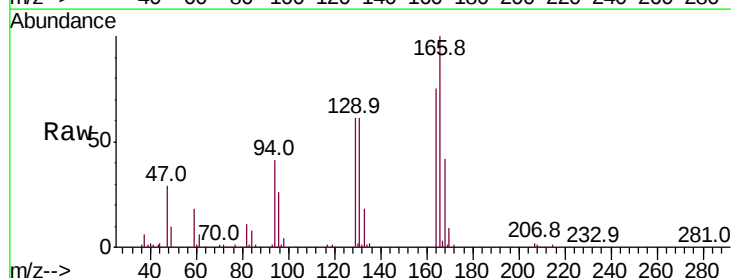
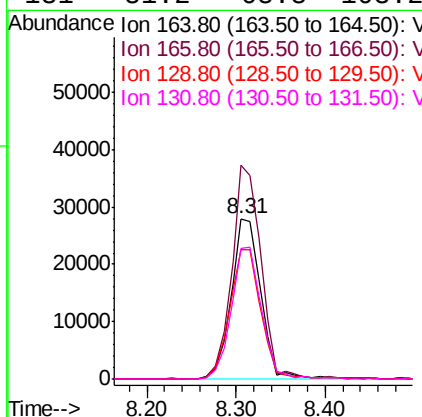
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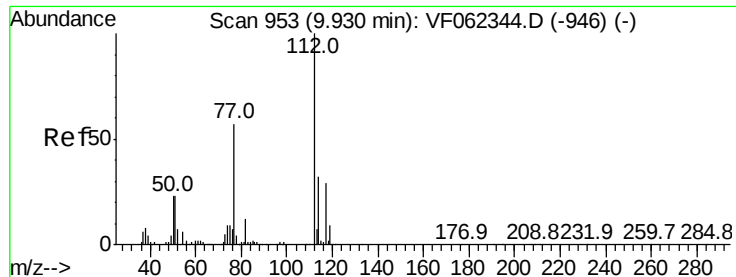
MMDadoda
5/11/2019 3:54:14 PM



#64
Tetrachloroethene
Concen: 21.742 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	133.2	104.2	156.4
129	81.0	69.6	104.4
131	81.2	68.8	103.2





#65

Chlorobenzene

Concen: 23.181 ug/l

RT: 9.94 min Scan# 955

Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBSD01

Tot Ion:112 Resp: 140647

Ion Ratio Lower Upper

112 100

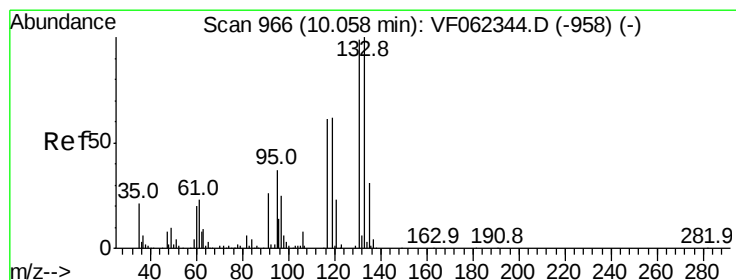
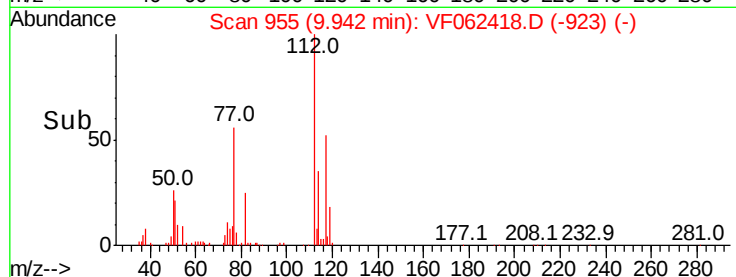
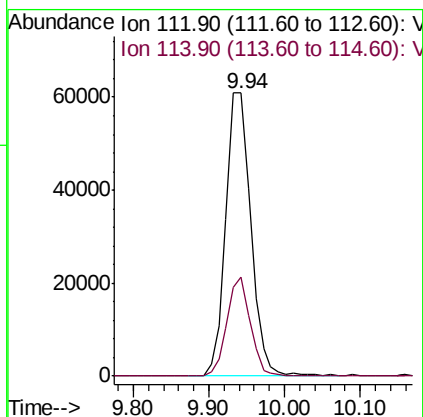
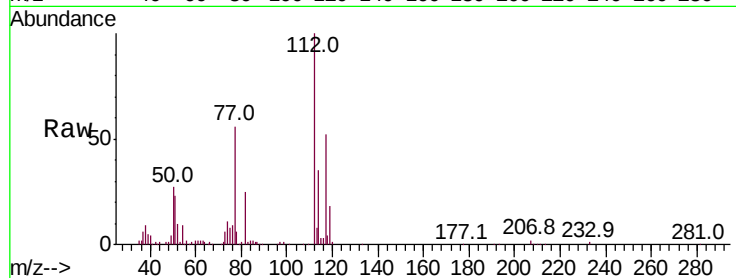
114 35.0 25.4 38.0

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 22.969 ug/l

RT: 10.07 min Scan# 968

Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

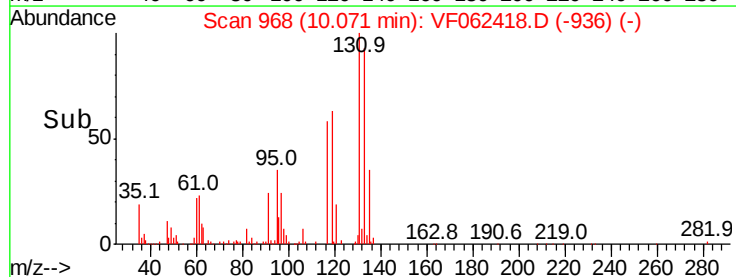
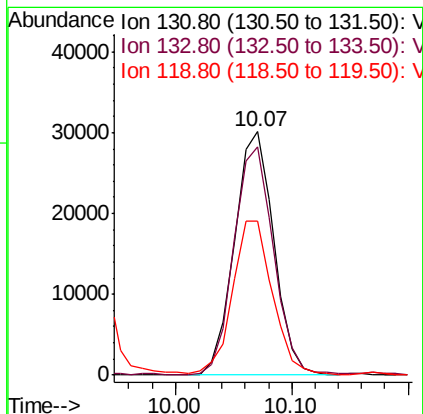
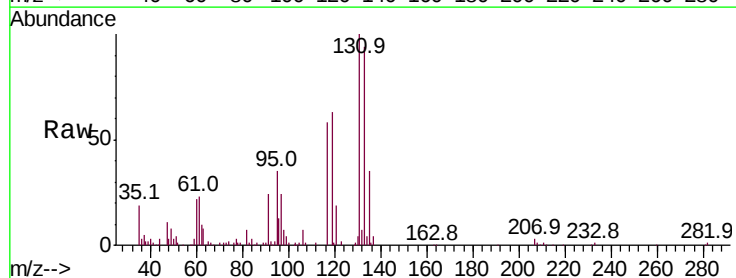
Tgt Ion:131 Resp: 70305

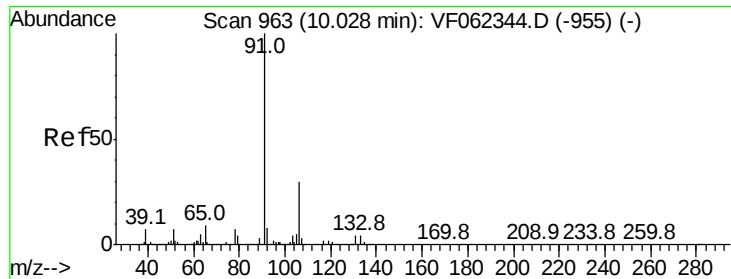
Ion Ratio Lower Upper

131 100

133 95.3 50.2 150.7

119 63.8 31.6 95.0





#67

Ethyl Benzene

Concen: 23.368 ug/l

RT: 10.03 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBSD01

Tot Ion: 91 Resp: 248272

Ion Ratio Lower Upper

91 100

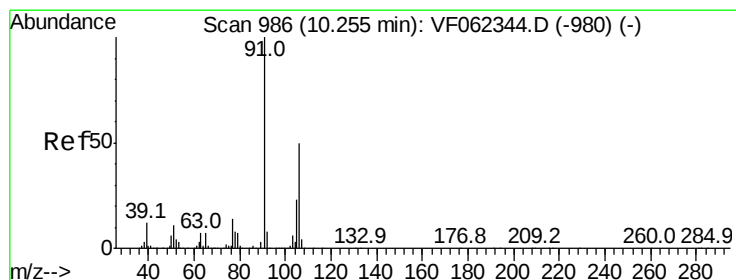
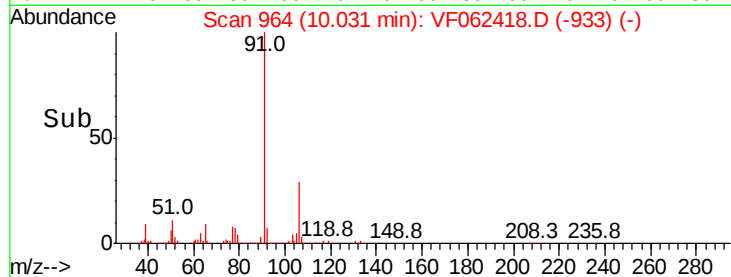
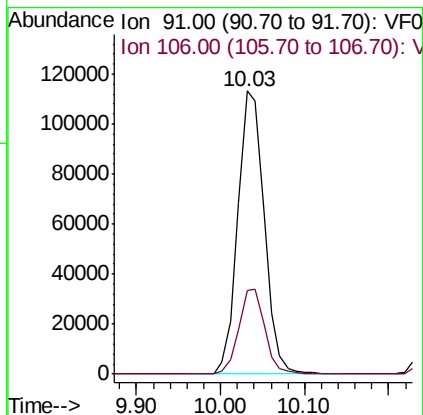
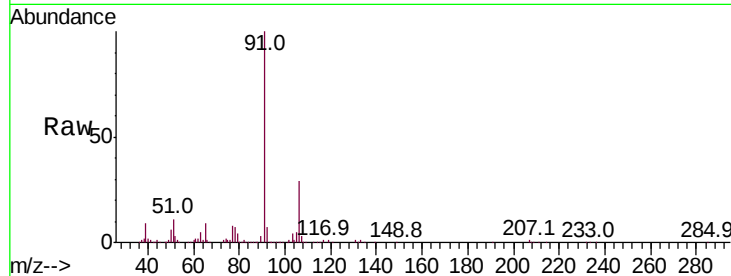
106 29.4 24.1 36.1

Manual Integrations

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#68

m/p-Xylenes

Concen: 47.192 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.01 min

Lab File: VF062418.D

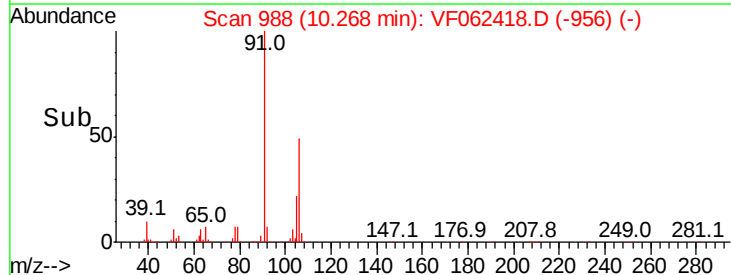
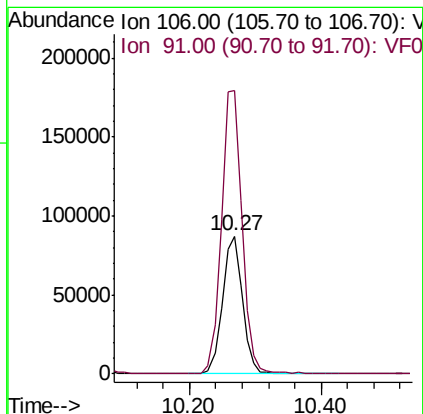
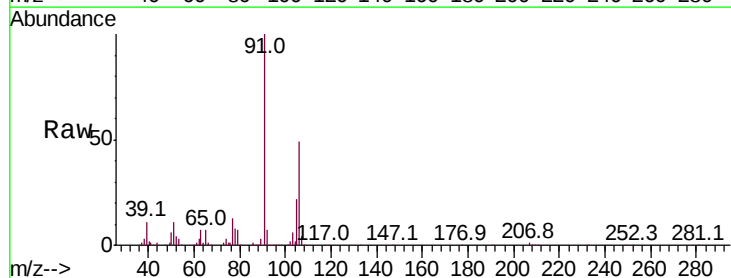
Acq: 10 May 2019 12:47

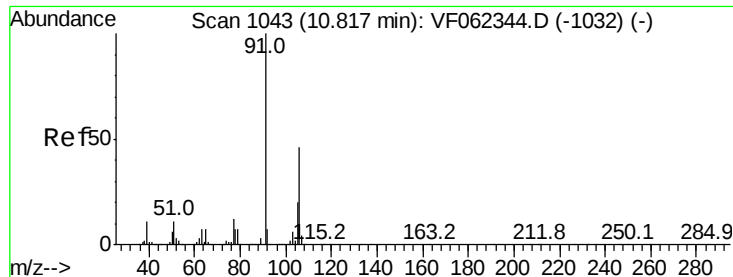
Tgt Ion: 106 Resp: 184994

Ion Ratio Lower Upper

106 100

91 212.1 167.4 251.2





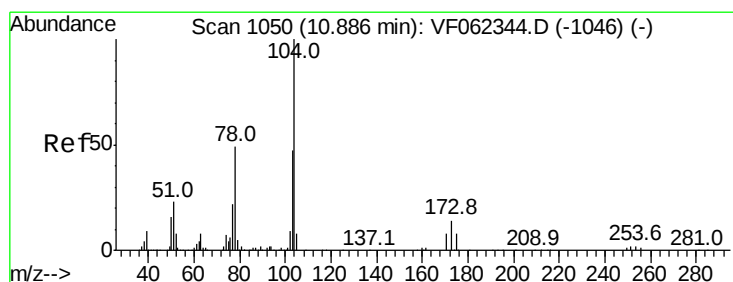
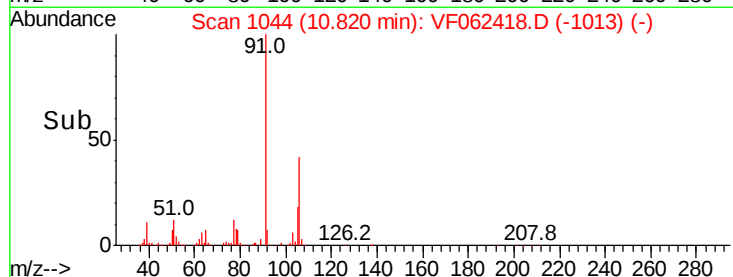
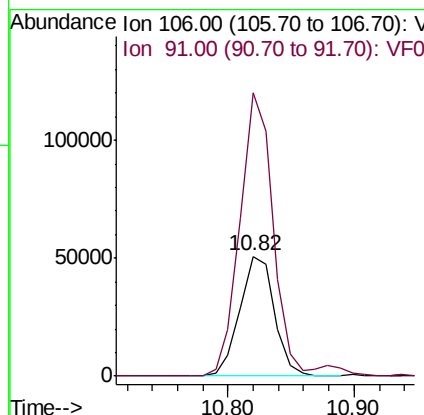
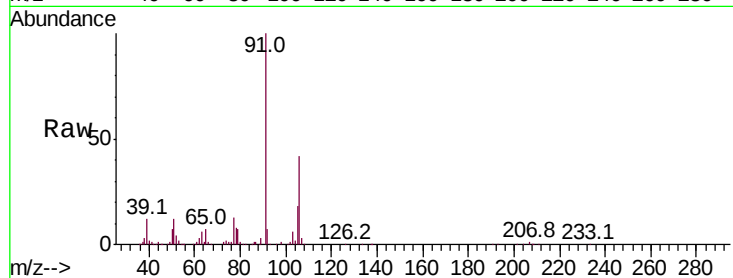
#69
o-Xylene
Concen: 22.812 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS01

Tot Ion:106 Resp: 96628
Ion Ratio Lower Upper
106 100
91 225.7 111.3 333.8

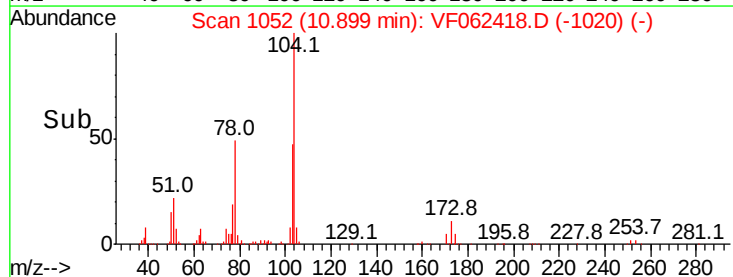
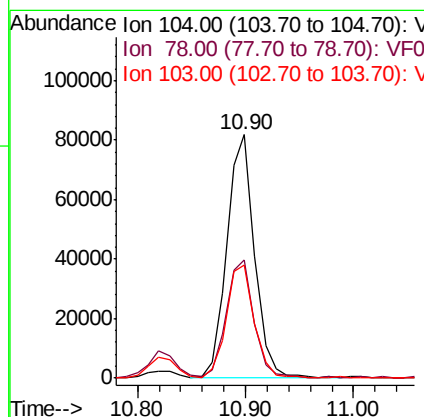
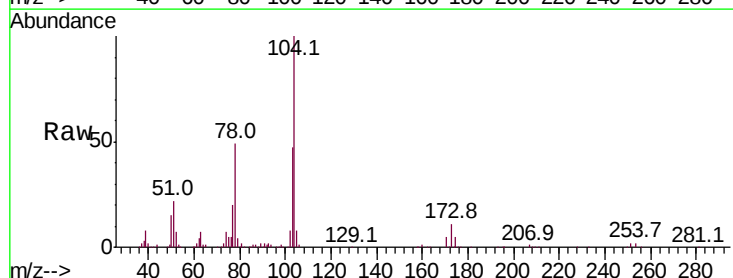
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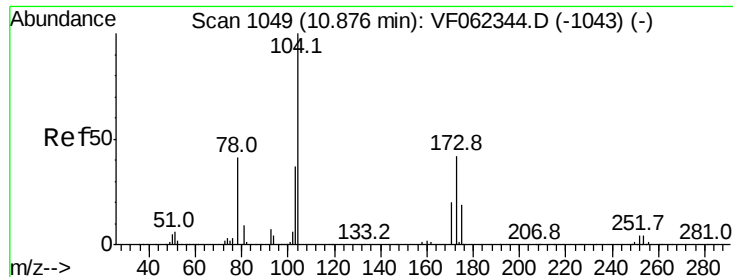
MMDadoda
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#70
Styrene
Concen: 22.797 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Tgt Ion:104 Resp: 144727
Ion Ratio Lower Upper
104 100
78 48.9 39.5 59.3
103 46.8 38.4 57.6





#71

Bromoform

Concen: 21.775 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

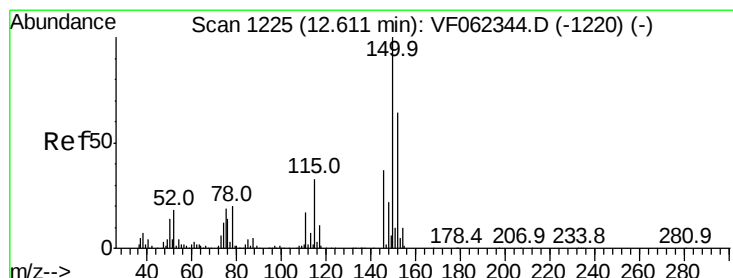
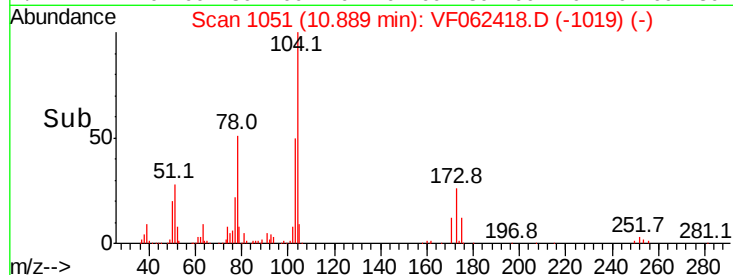
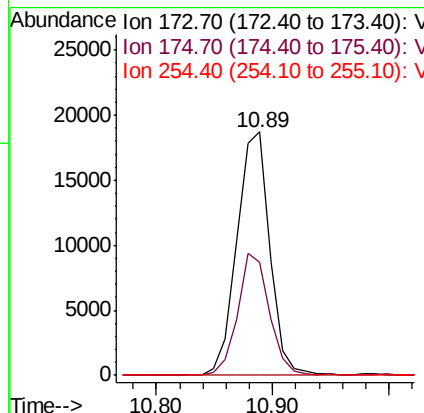
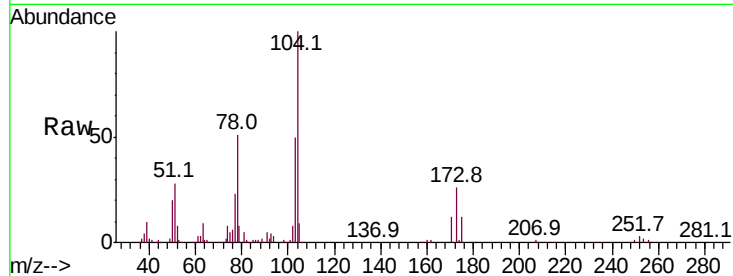
ClientSampleId :

VF0510SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.8	71.2
254	0.0	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

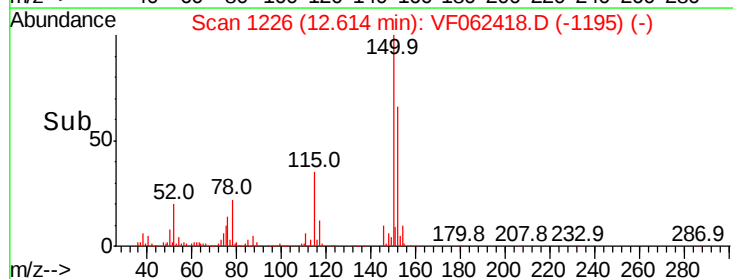
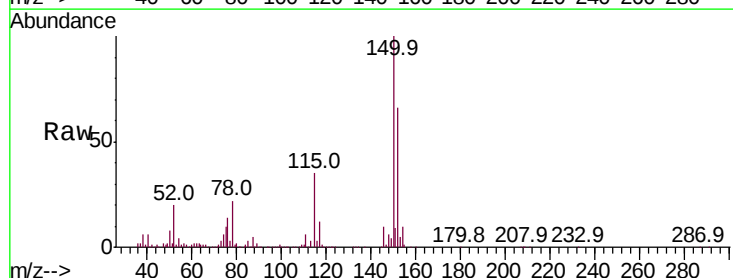
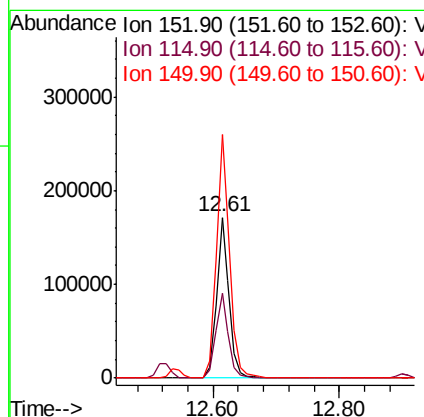
RT: 12.61 min Scan# 1226

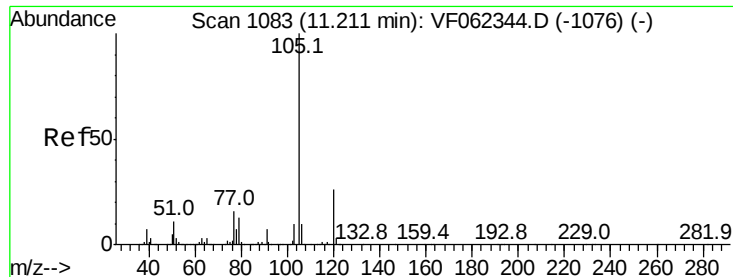
Delta R.T. 0.00 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.4	26.4	79.2
150	160.4	0.0	335.0





#73

Isopropylbenzene

Concen: 21.029 ug/l

RT: 11.21 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBS01

Tot Ion: 105 Resp: 297490

Ion Ratio Lower Upper

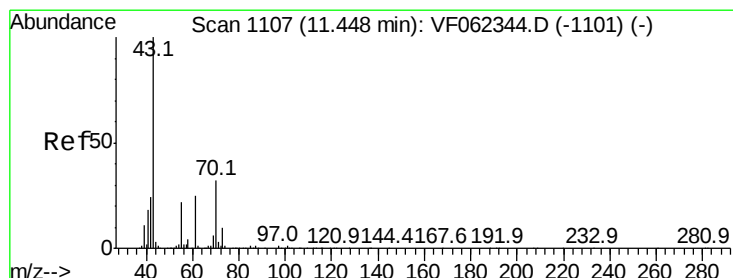
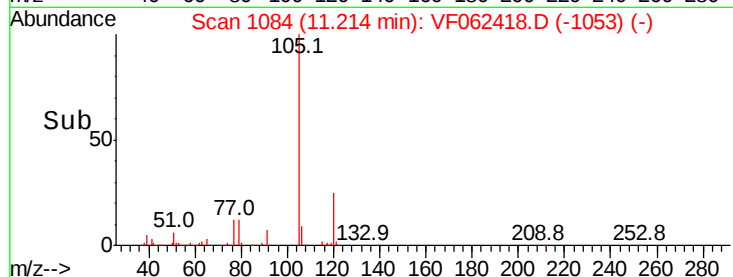
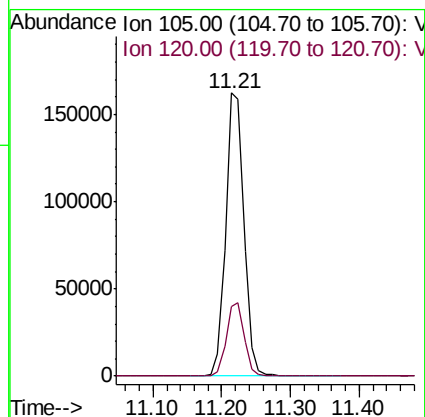
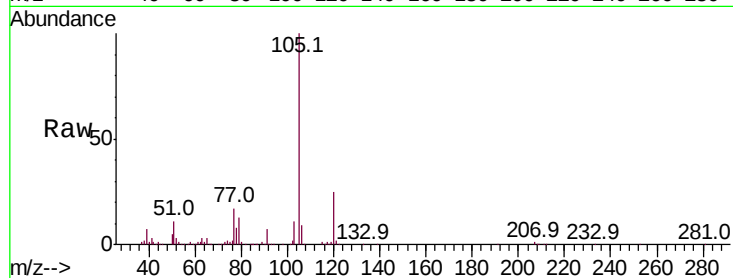
105 100

120 25.2 12.7 38.0

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#74

N-ethyl acetate

Concen: 19.980 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Tgt Ion: 43 Resp: 60681

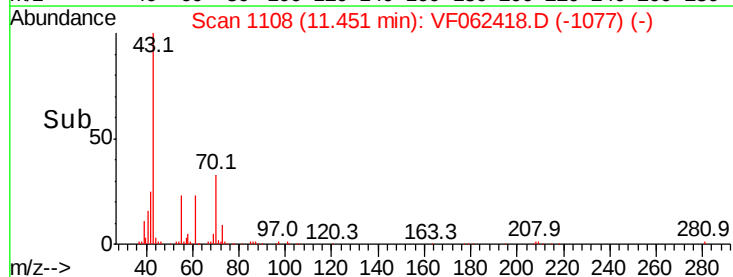
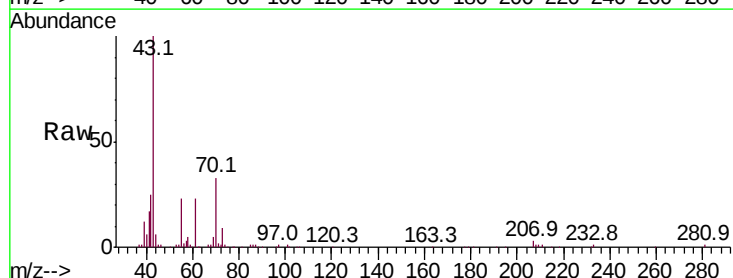
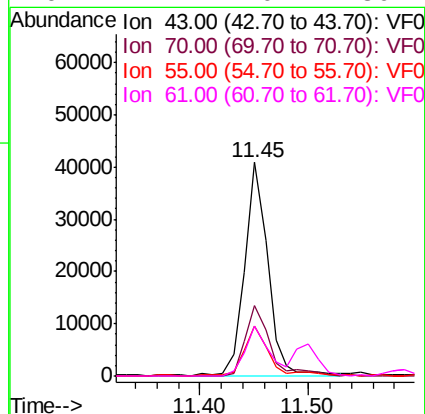
Ion Ratio Lower Upper

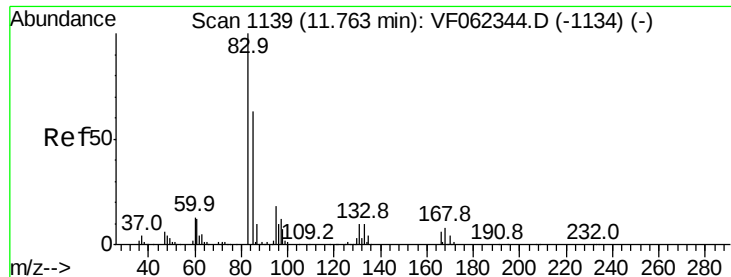
43 100

70 35.3 26.5 39.7

55 25.3 17.8 26.6

61 24.4 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.338 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

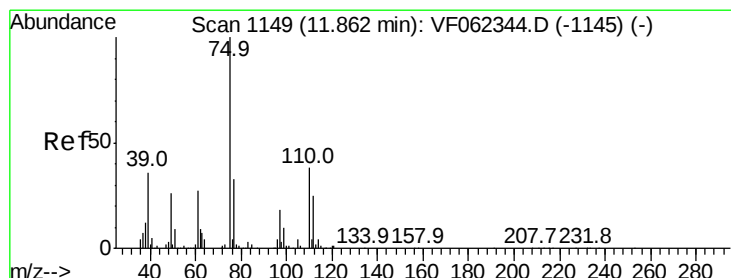
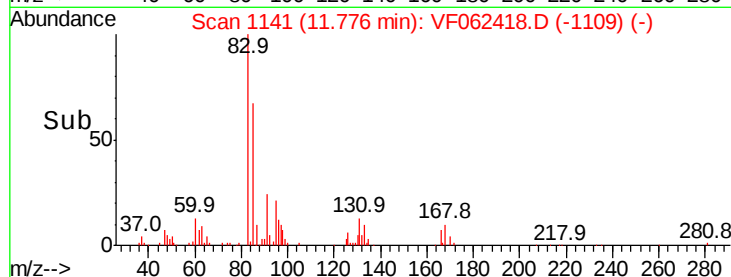
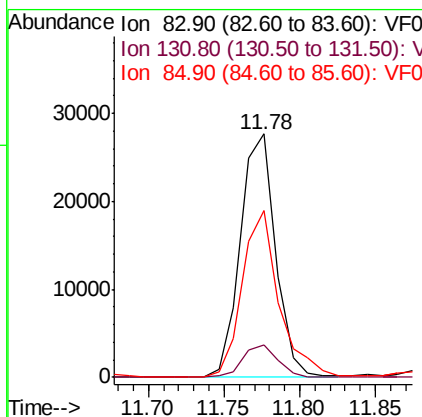
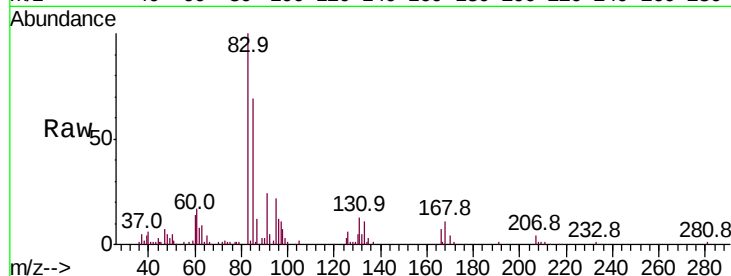
ClientSampleId :

VF0510SBS01

Tot Ion:	83	Resp:	45049
Ion Ratio	Lower	Upper	
83	100		
131	13.1	5.8	17.4
85	71.7	35.3	105.7

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#76

1,2,3-Trichloropropane

Concen: 19.967 ug/l

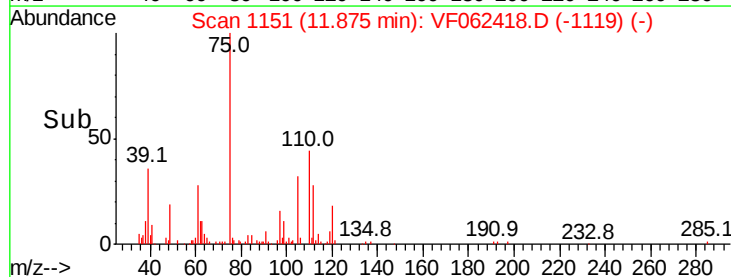
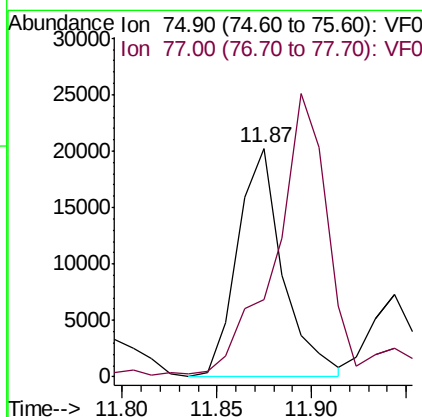
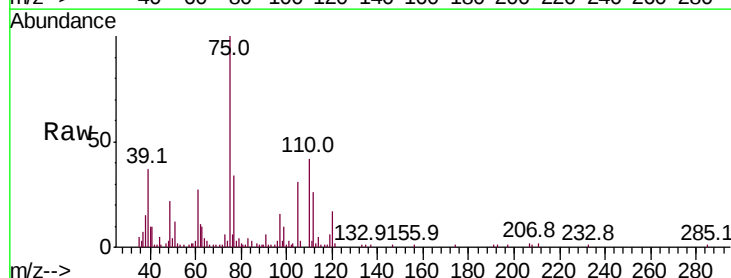
RT: 11.87 min Scan# 1151

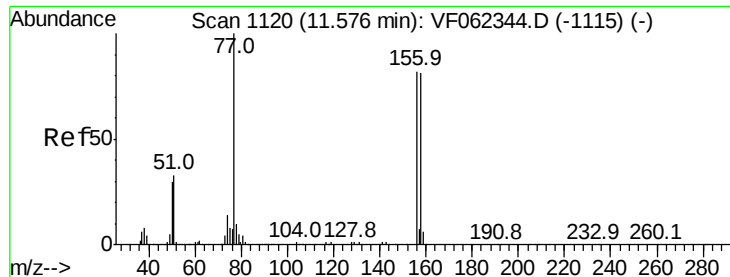
Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Tgt Ion:	75	Resp:	33743
Ion Ratio	Lower	Upper	
75	100		
77	139.5	0.0	0.0#





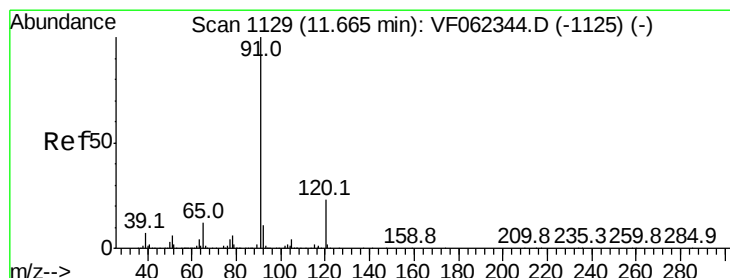
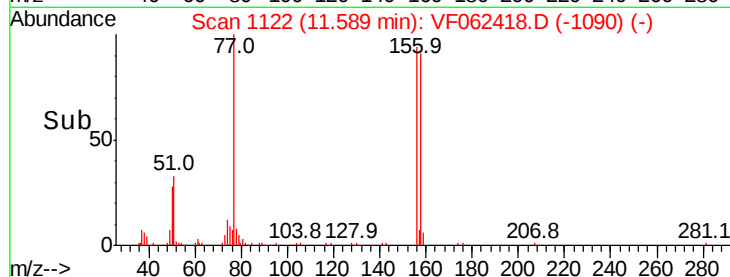
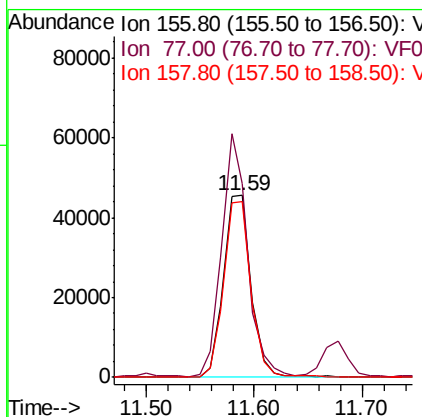
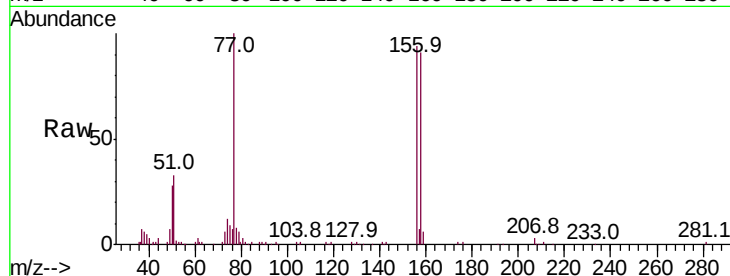
#77
Bromobenzene
Concen: 21.758 ug/l
RT: 11.59 min Scan# 1122
Delta R.T. 0.01 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	123.8	64.8	194.3
158	96.6	49.1	147.3

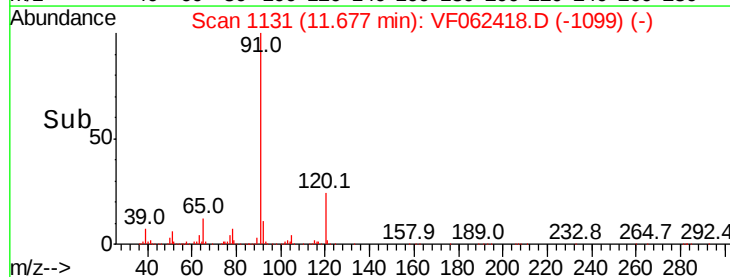
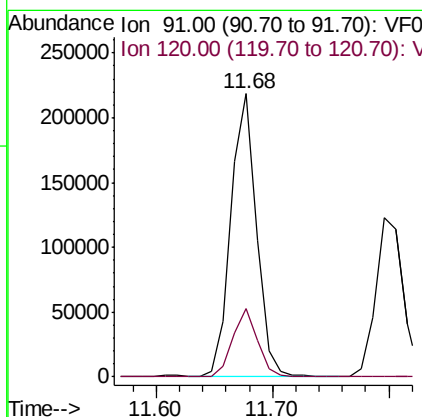
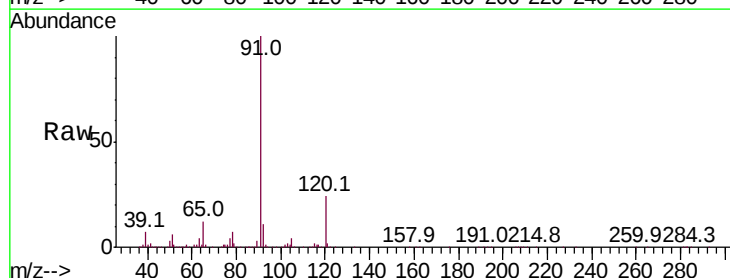
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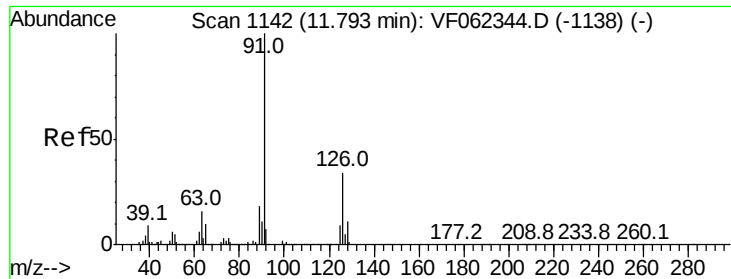
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#78
n-propylbenzene
Concen: 22.035 ug/l
RT: 11.68 min Scan# 1131
Delta R.T. 0.01 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.9	35.5





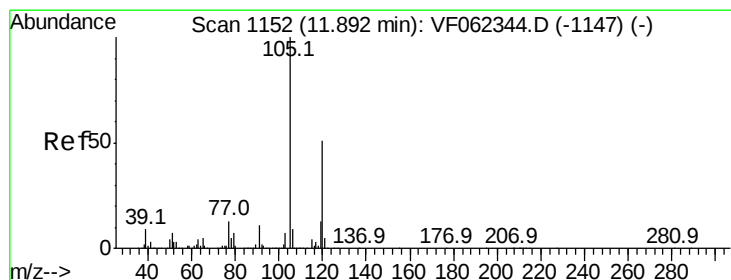
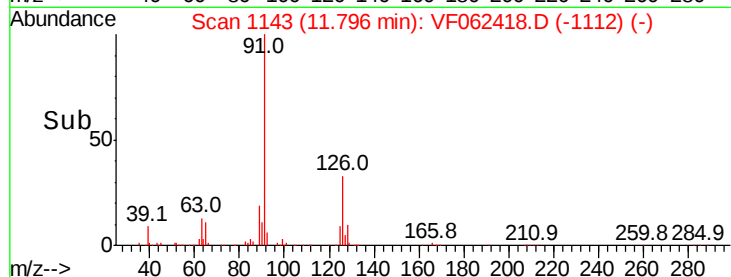
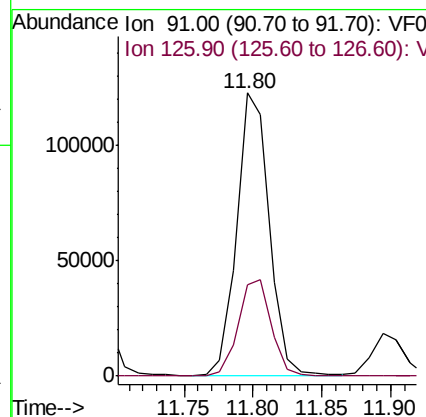
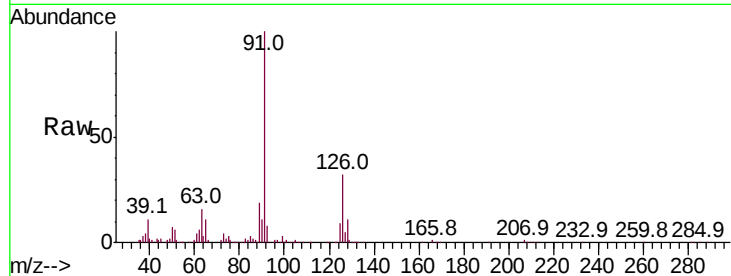
#79
 2-Chlorotoluene
 Concen: 21.288 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VF062418.D
 Acq: 10 May 2019 12:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBSD01

Tot Ion: 91 Resp: 199369
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.8 53.4

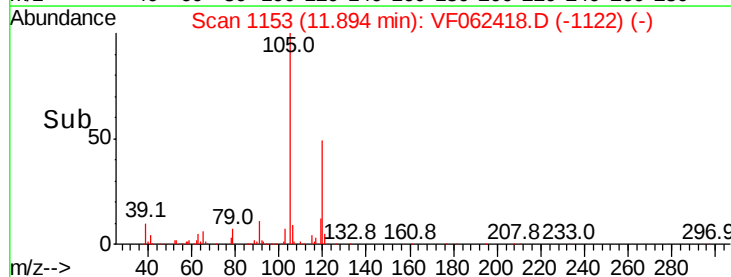
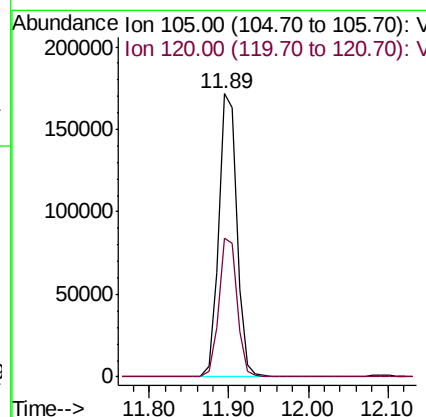
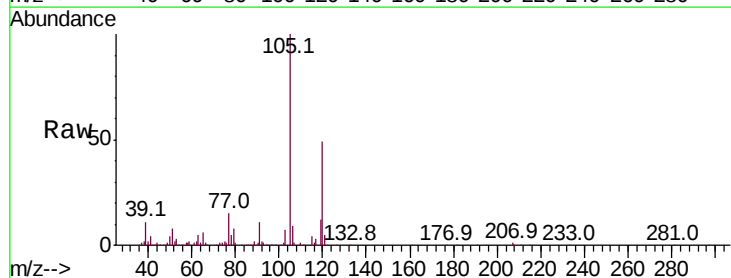
Manual Integrations
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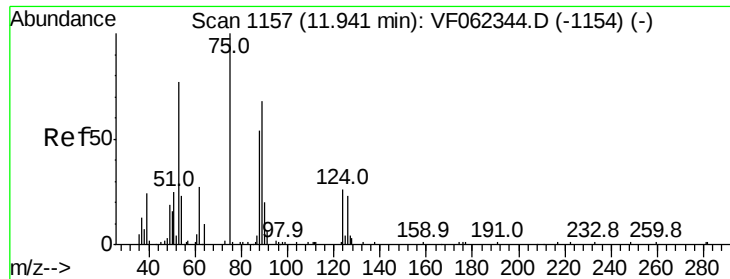
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 22.400 ug/l
 RT: 11.89 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VF062418.D
 Acq: 10 May 2019 12:47

Tgt Ion: 105 Resp: 277752
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.215 ug/l m

RT: 11.94 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

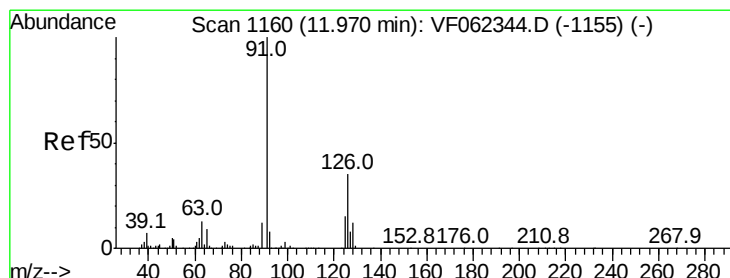
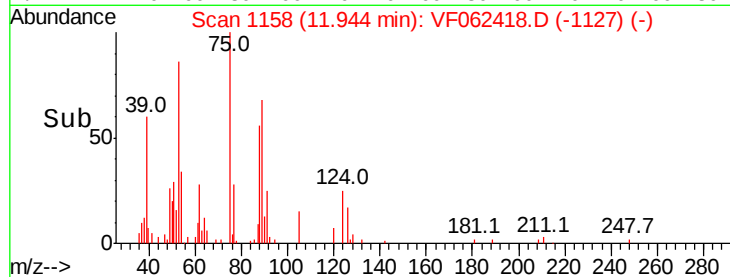
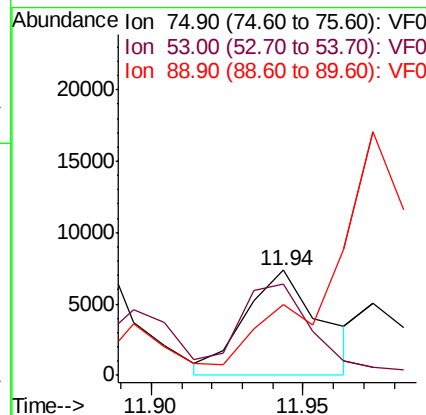
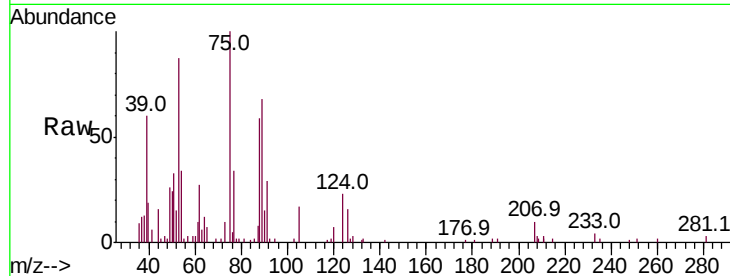
ClientSampleId :

VF0510SBS01

Tot Ion:	75	Resp:	12841
Ion	Ratio	Lower	Upper
75	100		
53	89.0	71.9	107.9
89	0.0	0.0	0.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 22.325 ug/l

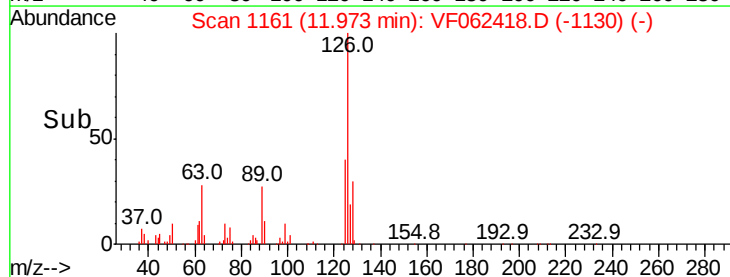
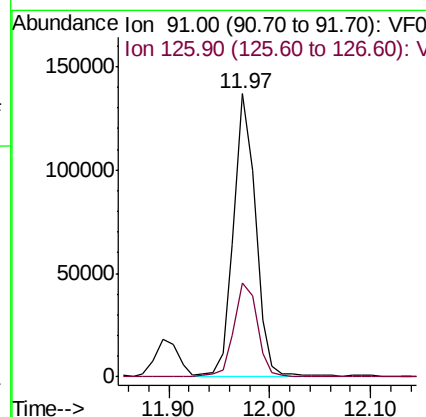
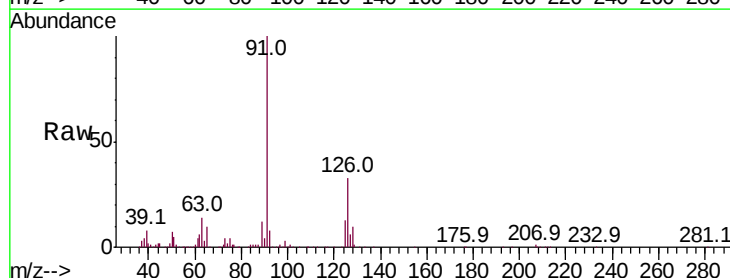
RT: 11.97 min Scan# 1161

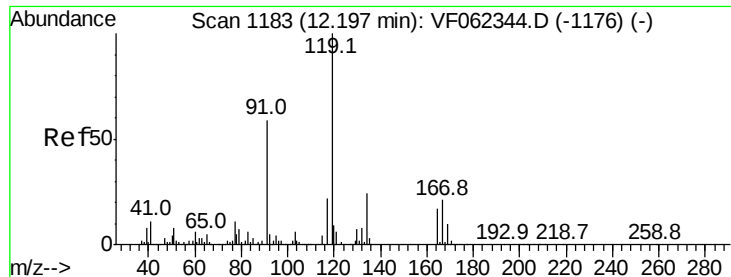
Delta R.T. 0.00 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Tgt Ion:	91	Resp:	206500
Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.7	53.1





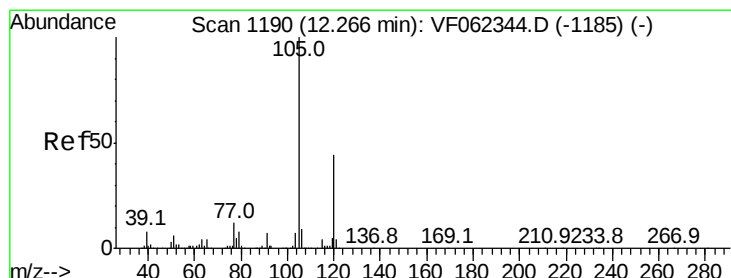
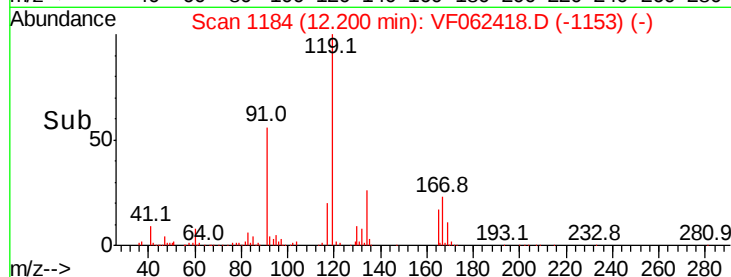
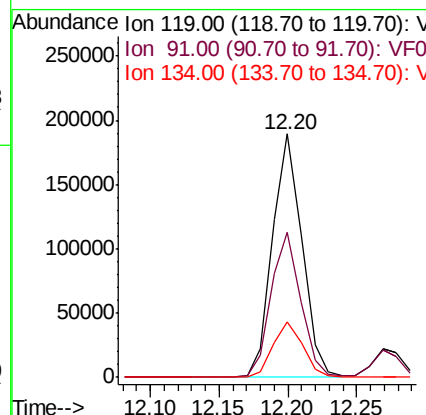
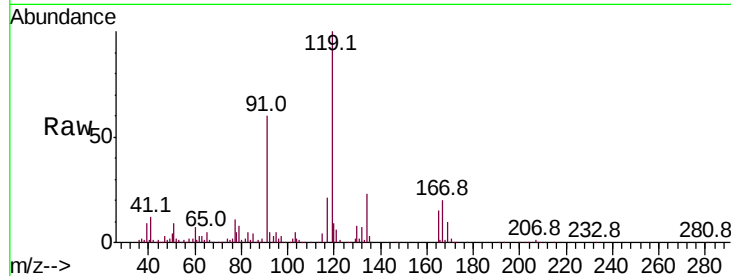
#83
tert-Butylbenzene
Concen: 21.676 ug/l
RT: 12.20 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	282465		
91	59.9	30.4	91.3	
134	23.3	11.9	35.7	

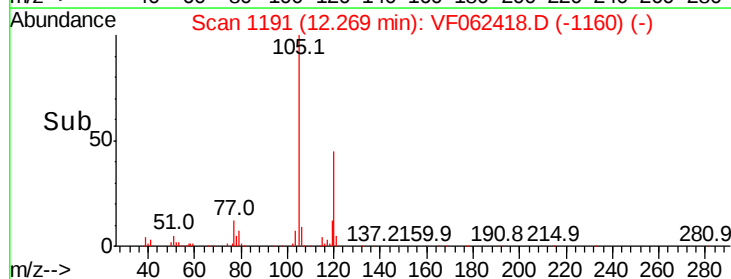
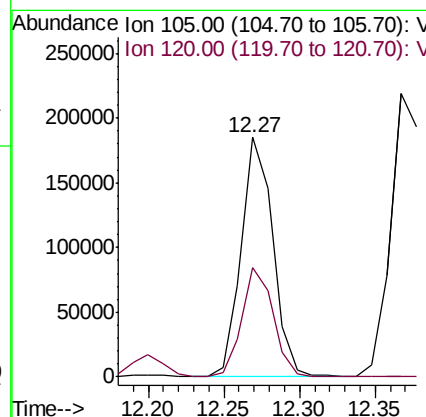
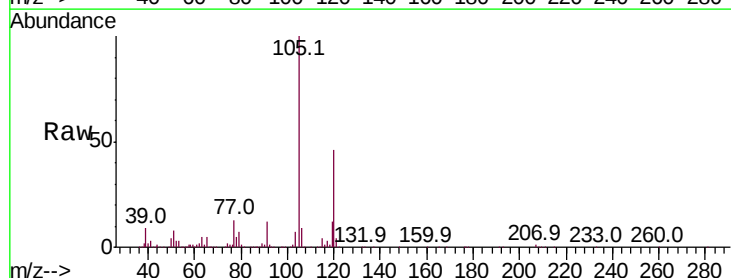
Manual Integrations
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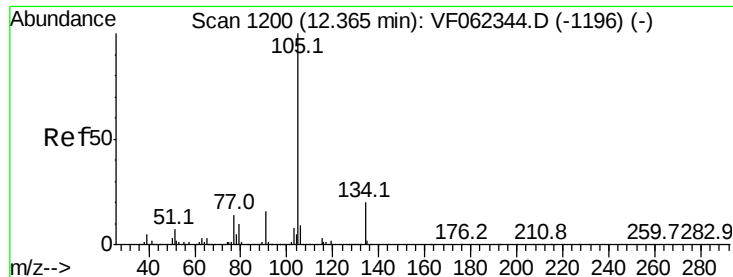
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#84
1,2,4-Trimethylbenzene
Concen: 22.208 ug/l
RT: 12.27 min Scan# 1191
Delta R.T. 0.00 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	269477		
120	45.1	22.6	67.7	





#85

sec-Butylbenzene

Concen: 21.510 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBSD01

Tot Ion:105 Resp: 341174

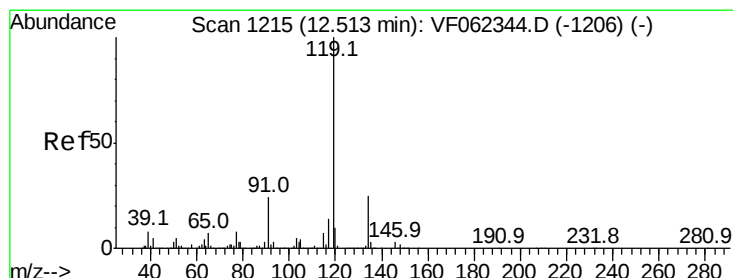
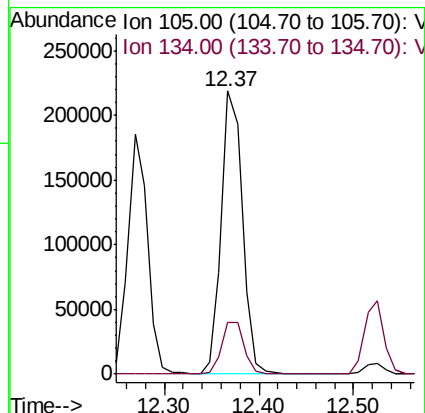
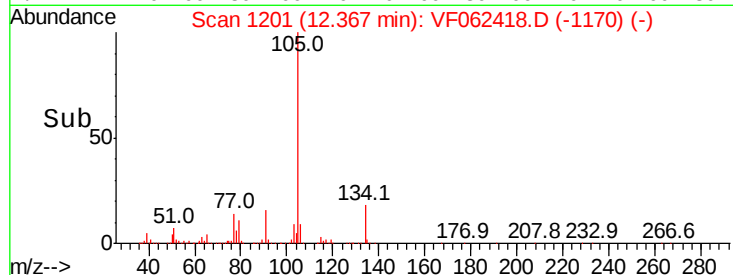
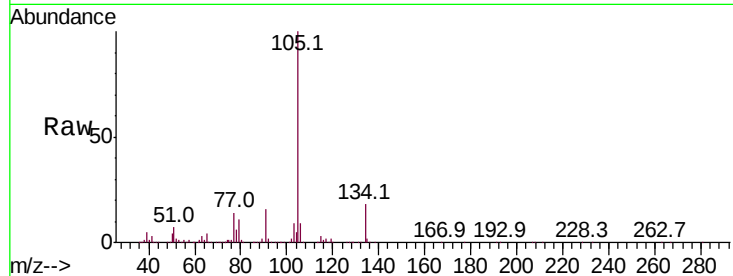
Ion Ratio Lower Upper

105 100

134 19.5 9.8 29.5

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#86

p-Isopropyltoluene

Concen: 22.148 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

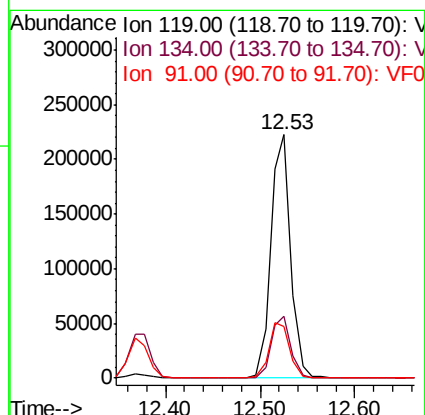
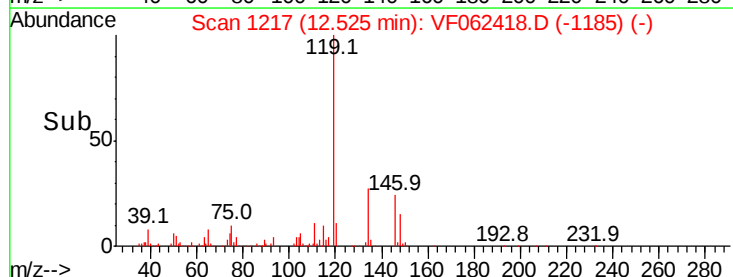
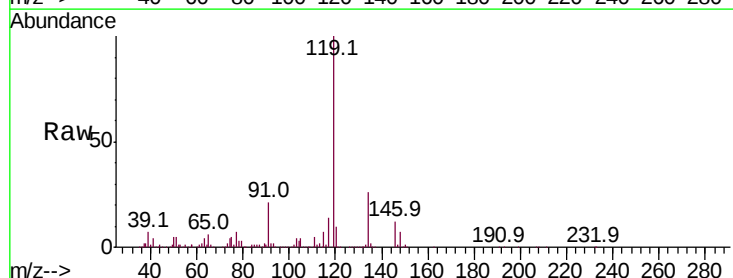
Tgt Ion:119 Resp: 326392

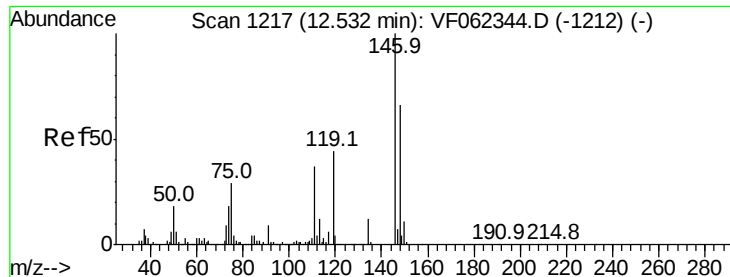
Ion Ratio Lower Upper

119 100

134 25.5 12.9 38.7

91 23.7 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 22.744 ug/l

RT: 12.54 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VF062418.D

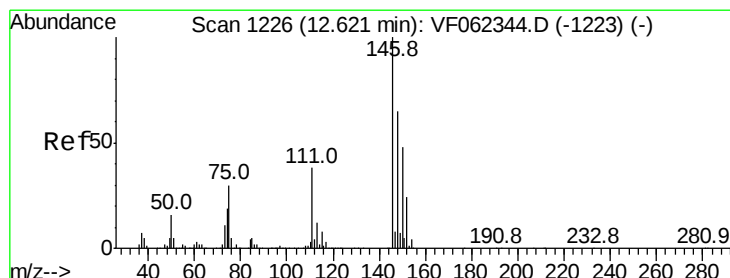
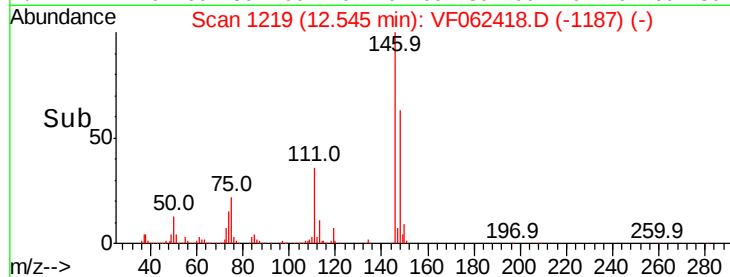
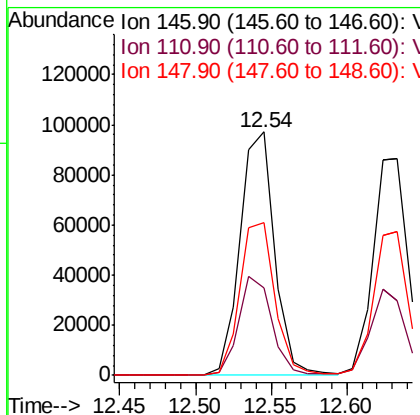
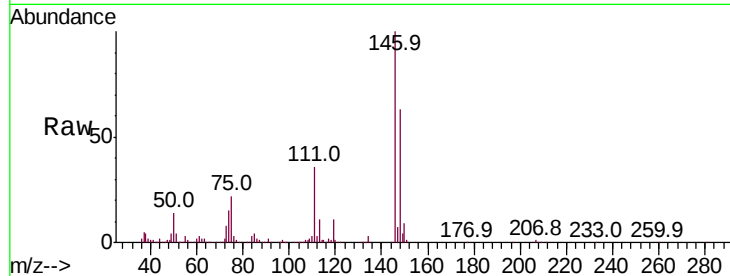
Acq: 10 May 2019 12:47

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	18.3	54.8
148	64.3	32.3	96.9

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#88

1,4-Dichlorobenzene

Concen: 21.862 ug/l

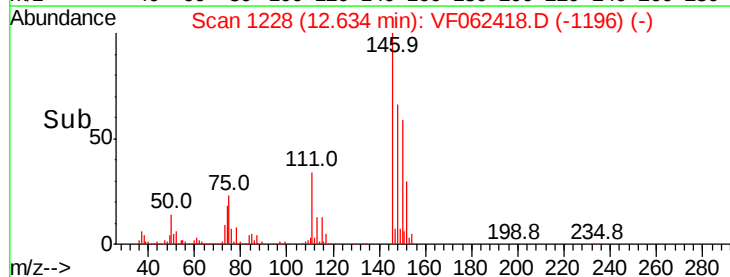
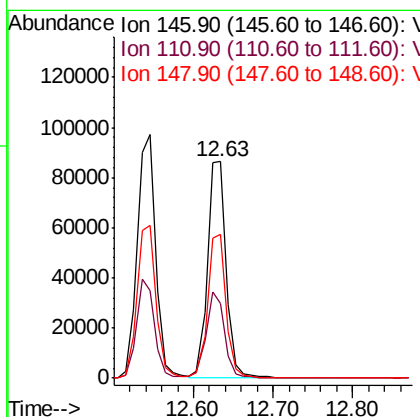
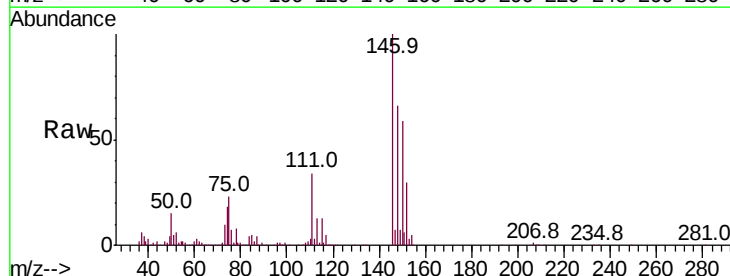
RT: 12.63 min Scan# 1228

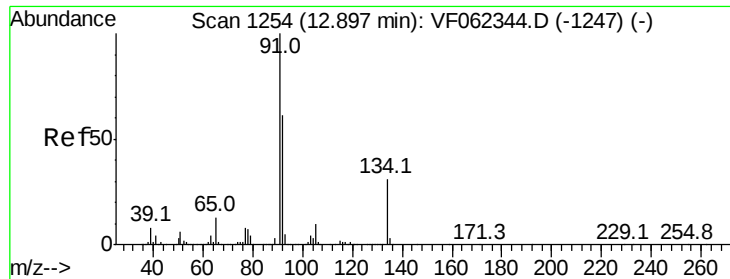
Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.8	56.3
148	64.8	32.2	96.6





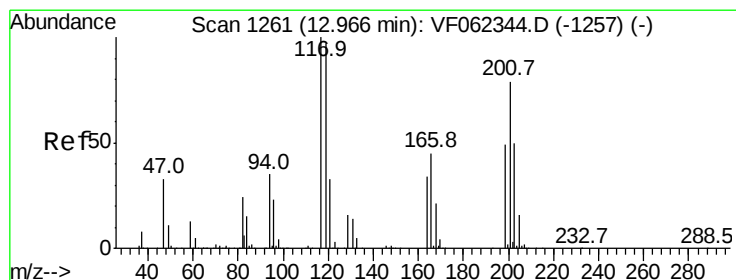
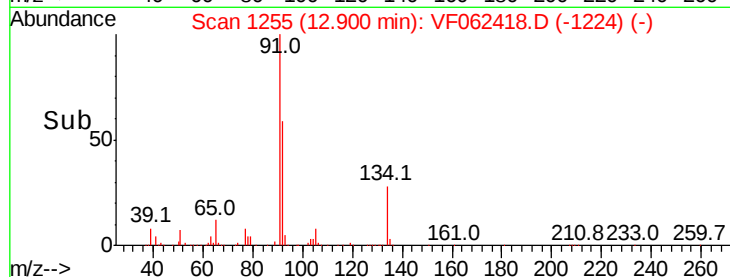
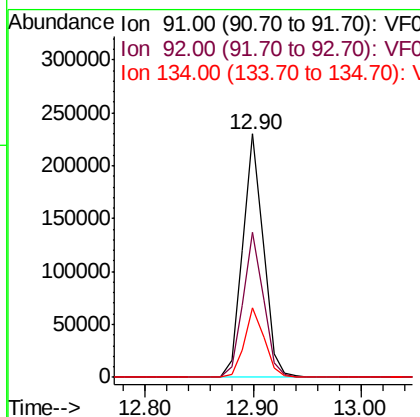
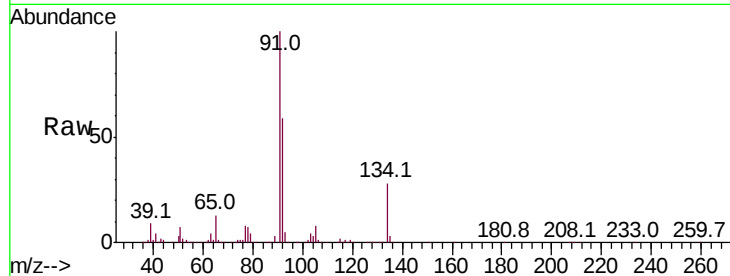
#89
n-Butylbenzene
Concen: 23.416 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	307001		
92	59.1		30.0	90.0
134	27.5		14.1	42.4

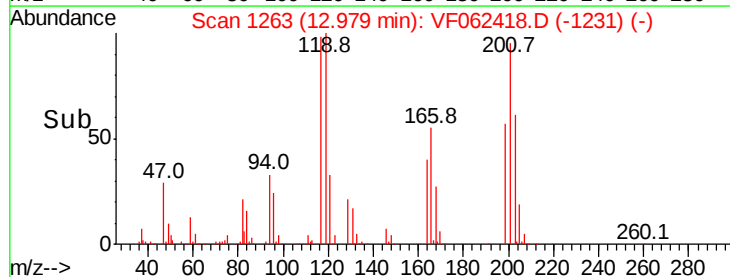
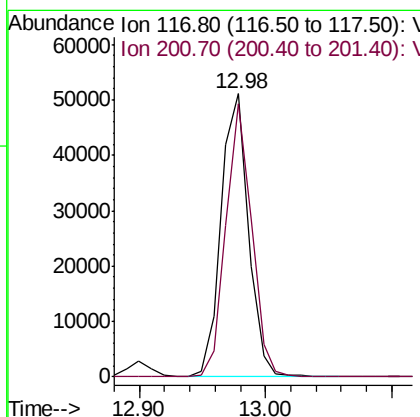
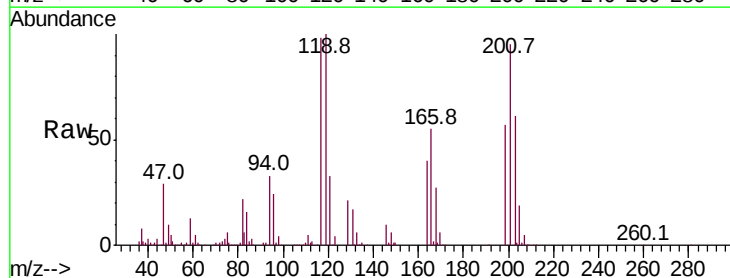
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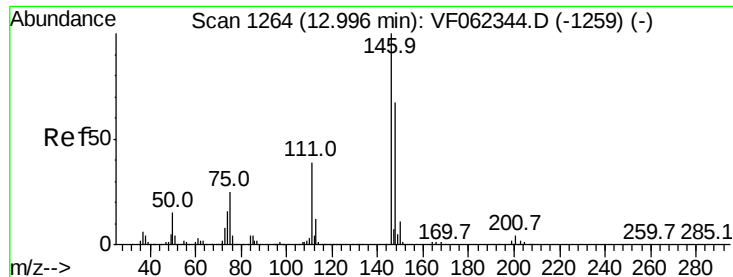
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#90
Hexachloroethane
Concen: 20.864 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	76769		
201	90.4		46.2	138.5





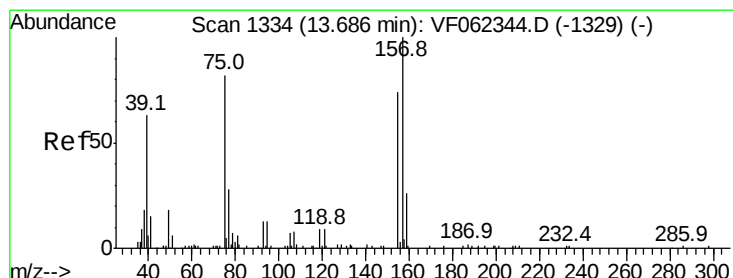
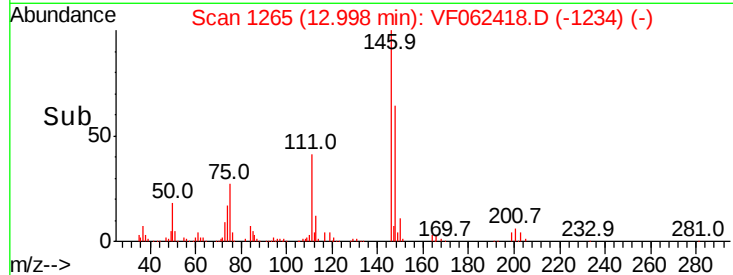
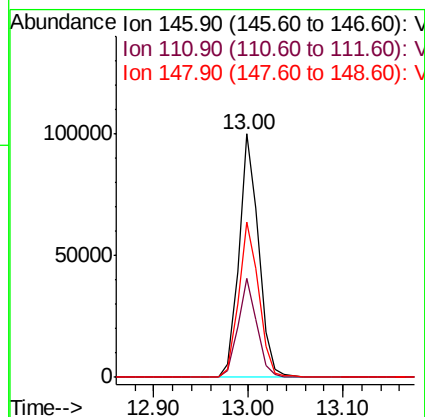
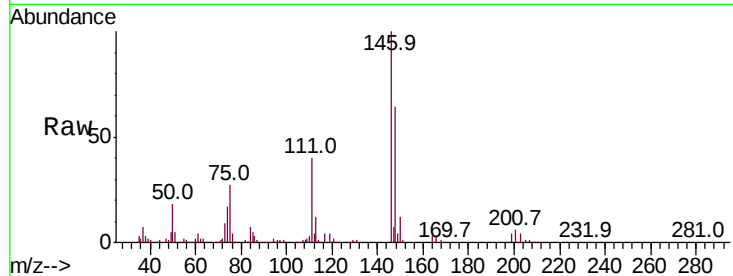
#91
 1,2-Dichlorobenzene
 Concen: 21.981 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VF062418.D
 Acq: 10 May 2019 12:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBS01

Tot Ion:	146	Resp:	144263
Ion Ratio	Lower	Upper	
146	100		
111	39.2	20.0	60.0
148	65.2	33.1	99.5

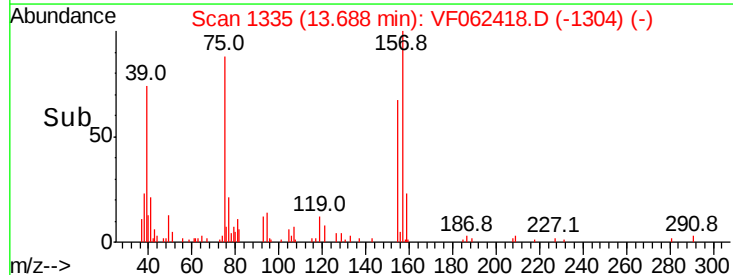
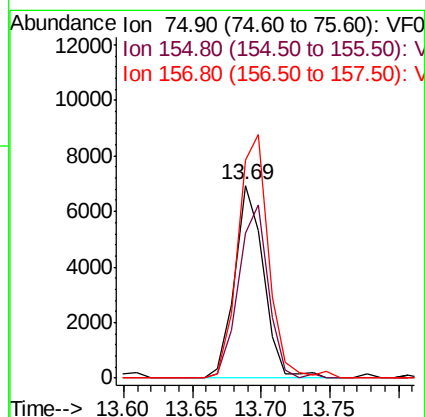
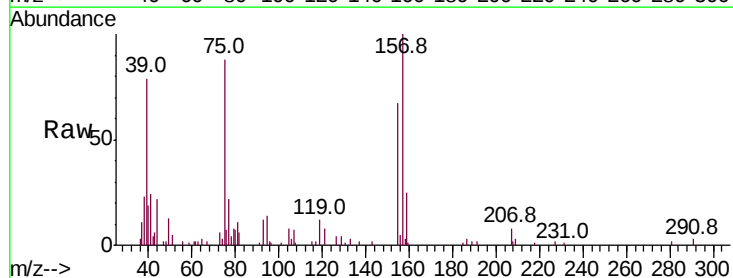
Manual Integrations
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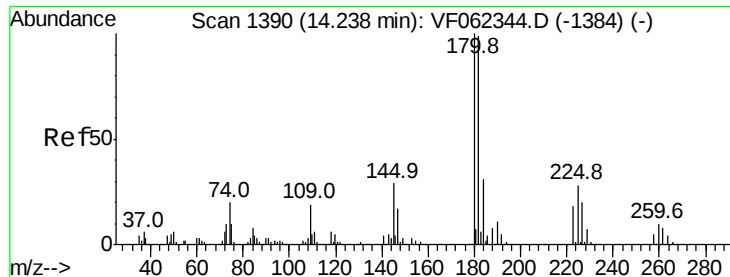
MMDadoda
 5/11/2019 3:54:14 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.543 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VF062418.D
 Acq: 10 May 2019 12:47

Tgt Ion:	75	Resp:	10194
Ion Ratio	Lower	Upper	
75	100		
155	92.4	51.8	155.4
157	133.9	67.3	201.8





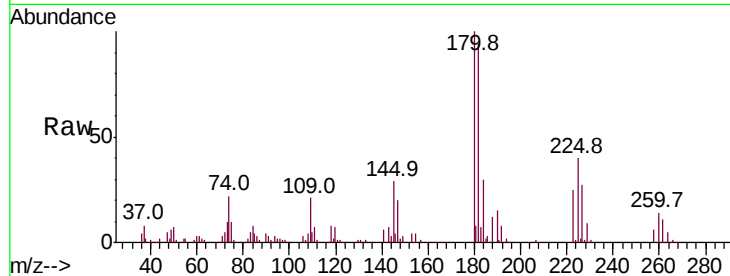
#93
 1,2,4-Trichlorobenzene
 Concen: 23.335 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF062418.D
 Acq: 10 May 2019 12:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBSD01

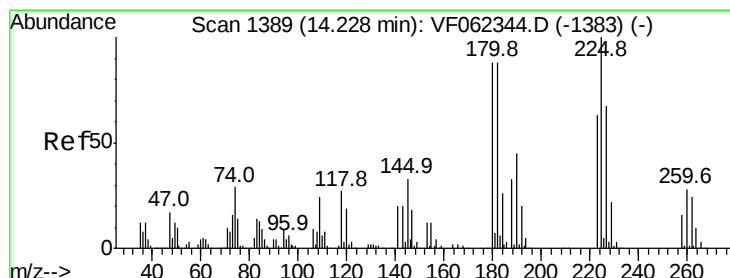
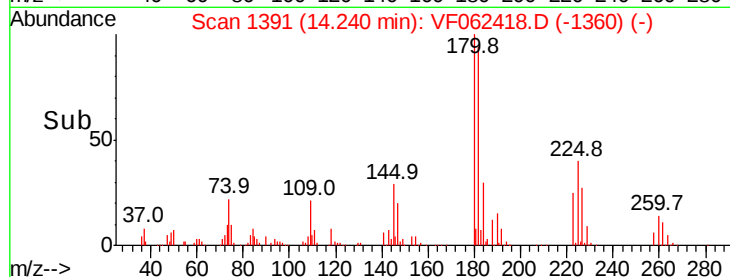
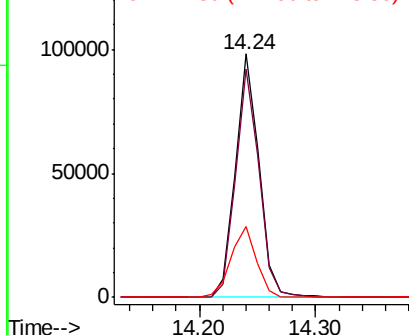
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.3	49.0	147.0	
145	31.9	16.7	50.1	

Manual Integrations
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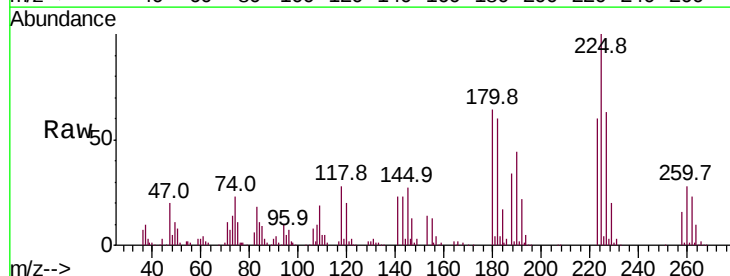


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

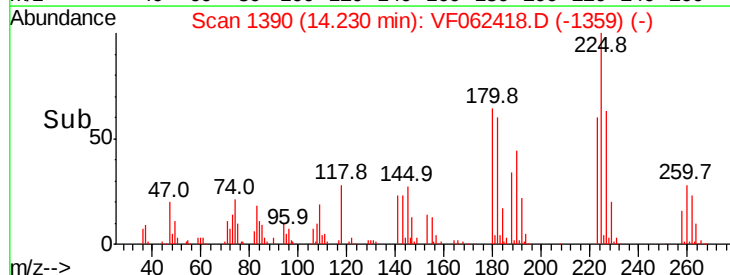
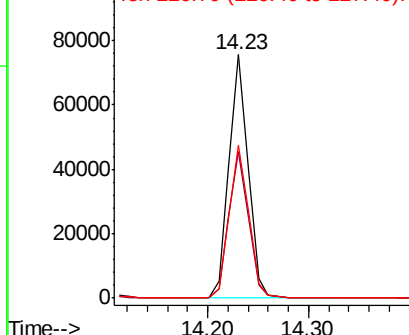


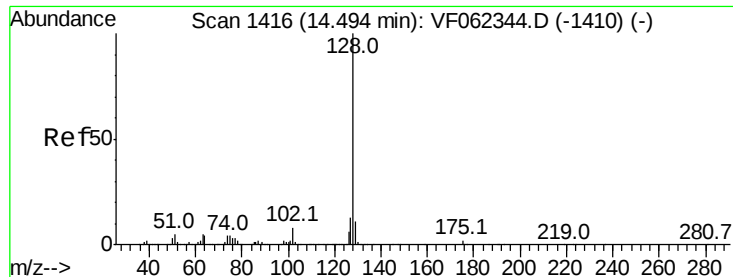
#94
 Hexachlorobutadiene
 Concen: 22.667 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062418.D
 Acq: 10 May 2019 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.8	31.9	95.5	
227	64.3	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





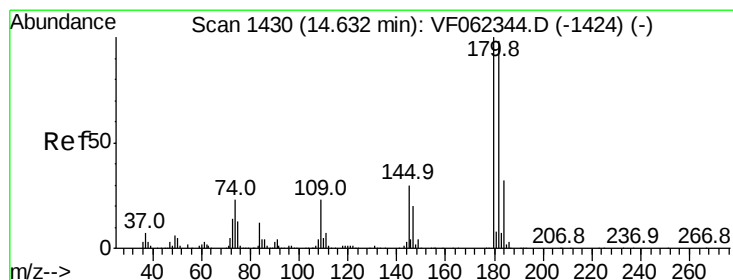
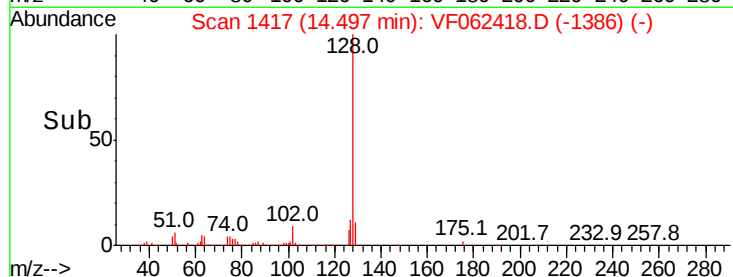
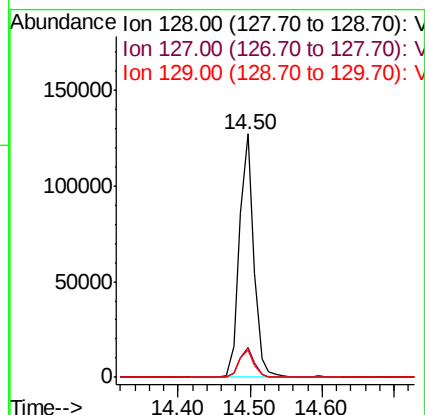
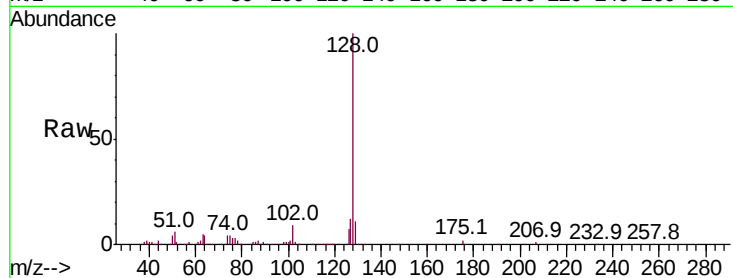
#95
Naphthalene
Concen: 20.256 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. 0.00 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	179277		
127	12.4	10.5	15.7	
129	11.5	8.6	12.8	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 22.771 ug/l
RT: 14.64 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	129865		
182	95.5	49.4	148.0	
145	28.5	14.8	44.3	

