

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021319\
 Data File : VF061629.D
 Acq On : 13 Feb 2019 18:32
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 2/14/2019 12:42:12 PM

Quant Time: Feb 14 03:33:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:03:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	267336	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.59	114	401772	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	373593	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	190603	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	212092	63.77	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	127.54%	
35) Dibromofluoromethane	4.10	113	305789	96.74	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	193.48%	
50) Toluene-d8	7.56	98	904640	104.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	209.42%	
62) 4-Bromofluorobenzene	11.42	95	360678	94.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	188.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	307479	65.548	ug/l	98
3) Chloromethane	1.08	50	326391	88.844	ug/l	100
4) Vinyl Chloride	1.13	62	314658	98.543	ug/l	93
5) Bromomethane	1.31	94	202783	85.439	ug/l	99
6) Chloroethane	1.36	64	141308	95.020	ug/l	98
7) Trichlorofluoromethane	1.47	101	372462	66.438	ug/l	96
8) Diethyl Ether	1.62	74	90034	102.570	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.81	101	254778	84.178	ug/l	98
10) Methyl Iodide	1.89	142	515471m	103.226	ug/l	
11) Tert butyl alcohol	2.57	59	60468	429.006	ug/l #	90
12) 1,1-Dichloroethene	1.77	96	235306	95.153	ug/l	97
13) Acrolein	1.98	56	76742	491.263	ug/l	98
14) Allyl chloride	2.08	41	301443	83.868	ug/l	98
15) Acrylonitrile	2.93	53	214246	552.570	ug/l	95
16) Acetone	2.22	43	201956	403.785	ug/l	97
17) Carbon Disulfide	1.81	76	739740	98.162	ug/l	99
18) Methyl Acetate	2.33	43	95597	89.447	ug/l	92
19) Methyl tert-butyl Ether	2.42	73	407225	80.879	ug/l	99
20) Methylene Chloride	2.23	84	223534m	76.095	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	254752	99.728	ug/l	97
22) Diisopropyl ether	2.79	45	723404	87.911	ug/l	99
23) Vinyl Acetate	3.18	43	1816122	450.305	ug/l	99
24) 1,1-Dichloroethane	2.86	63	430633	86.635	ug/l	99
25) 2-Butanone	4.32	43	495140	486.195	ug/l	98
26) 2,2-Dichloropropane	3.59	77	174250	71.947	ug/l	98
27) cis-1,2-Dichloroethene	3.46	96	341582	94.112	ug/l	99
28) Bromochloromethane	3.71	49	188552	76.302	ug/l	97
29) Tetrahydrofuran	4.07	42	218479	457.991	ug/l	97
30) Chloroform	3.85	83	490554	72.874	ug/l	97
31) Cyclohexane	3.68	56	457766	92.761	ug/l	99
32) 1,1,1-Trichloroethane	4.09	97	334719	73.691	ug/l	98
36) 1,1-Dichloropropene	4.27	75	411607	91.735	ug/l	97
37) Ethyl Acetate	4.10	43	186871	94.729	ug/l	92
38) Carbon Tetrachloride	3.98	117	301934	82.278	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	483052	106.007	ug/l	99
40) Benzene	4.63	78	1086758	108.081	ug/l	100
41) Methacrylonitrile	4.74	41	101412	102.580	ug/l	96
42) 1,2-Dichloroethane	4.93	62	265538	76.327	ug/l	95
43) Isopropyl Acetate	6.95	43	233867	104.430	ug/l	97
44) Trichloroethene	5.50	130	329721	107.360	ug/l	100
45) 1,2-Dichloropropane	6.23	63	287644	110.897	ug/l	98
46) Dibromomethane	6.09	93	174717	103.119	ug/l	97
47) Bromodichloromethane	6.38	83	366203	85.665	ug/l	98
48) Methyl methacrylate	6.72	41	150117	100.339	ug/l	94
49) 1,4-Dioxane	6.70	88	26696	2541.936	ug/l #	88
51) 4-Methyl-2-Pentanone	8.27	43	784766	465.901	ug/l	96
52) Toluene	7.63	92	673655	107.298	ug/l	94
53) t-1,3-Dichloropropene	8.29	75	313413	94.738	ug/l	99
54) cis-1,3-Dichloropropene	7.30	75	425171	101.408	ug/l	99
55) 1,1,2-Trichloroethane	8.49	97	196455	101.146	ug/l	97
56) Ethyl methacrylate	8.62	69	224358	104.194	ug/l	99
57) 1,3-Dichloropropane	8.86	76	335972	99.368	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.30	63	210110	578.457	ug/l	99
59) 2-Hexanone	9.50	43	555054	486.503	ug/l	98
60) Dibromochloromethane	8.72	129	289580	107.314	ug/l	99
61) 1,2-Dibromoethane	8.99	107	220292	108.751	ug/l	100
64) Tetrachloroethene	8.16	164	302456	106.998	ug/l	99
65) Chlorobenzene	9.80	112	796706	109.643	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	302980	101.097	ug/l	100
67) Ethyl Benzene	9.90	91	1246460	94.220	ug/l	98
68) m/p-Xylenes	10.14	106	946584	206.240	ug/l	91
69) o-Xylene	10.72	106	538703	106.427	ug/l	96
70) Styrene	10.79	104	747828	106.692	ug/l	99
71) Bromoform	10.78	173	166632	117.473	ug/l	99
73) Isopropylbenzene	11.13	105	1385228	94.023	ug/l	97
74) N-amyl acetate	11.37	43	342843	92.421	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.70	83	255800	93.018	ug/l	97
76) 1,2,3-Trichloropropane	11.80	75	171701	87.878	ug/l	98
77) Bromobenzene	11.50	156	355994	109.828	ug/l	97
78) n-propylbenzene	11.60	91	1586016	89.621	ug/l	98
79) 2-Chlorotoluene	11.73	91	878623	87.193	ug/l	97
80) 1,3,5-Trimethylbenzene	11.83	105	1112481	91.533	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.88	75	85065m	104.153	ug/l	
82) 4-Chlorotoluene	11.90	91	887178	84.746	ug/l	98
83) tert-Butylbenzene	12.13	119	1198175	95.883	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	1123668	94.180	ug/l	97
85) sec-Butylbenzene	12.31	105	1560336	93.431	ug/l	99
86) p-Isopropyltoluene	12.47	119	1253948	91.799	ug/l	98
87) 1,3-Dichlorobenzene	12.49	146	627191	99.558	ug/l	96
88) 1,4-Dichlorobenzene	12.58	146	655078	109.301	ug/l	96
89) n-Butylbenzene	12.85	91	1211252	87.557	ug/l	91
90) Hexachloroethane	12.92	117	324761	93.740	ug/l	88
91) 1,2-Dichlorobenzene	12.95	146	611000	104.127	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.65	75	42483	89.100	ug/l	76

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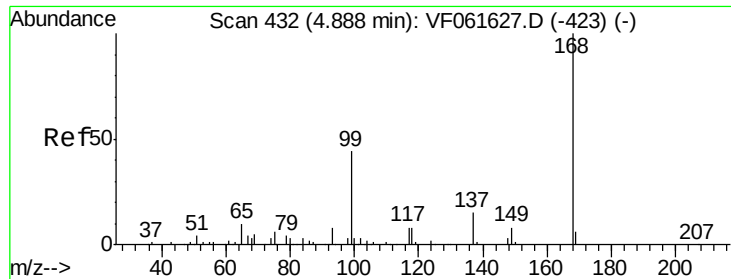
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	450914	109.440	ug/l	97
94) Hexachlorobutadiene	14.19	225	288578	113.530	ug/l	98
95) Naphthalene	14.46	128	886071	113.753	ug/l	100
96) 1,2,3-Trichlorobenzene	14.61	180	434439	117.384	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.02 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 267336

Ion Ratio Lower Upper

168 100

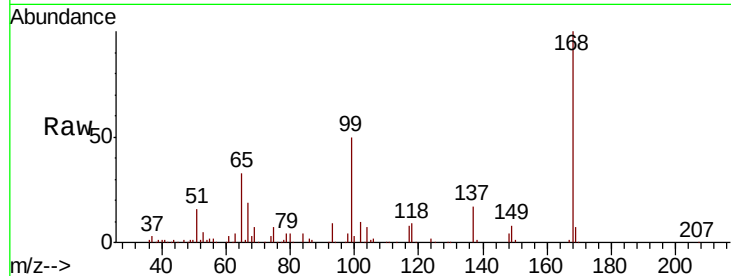
99 49.6 34.9 52.3

Manual Integrations

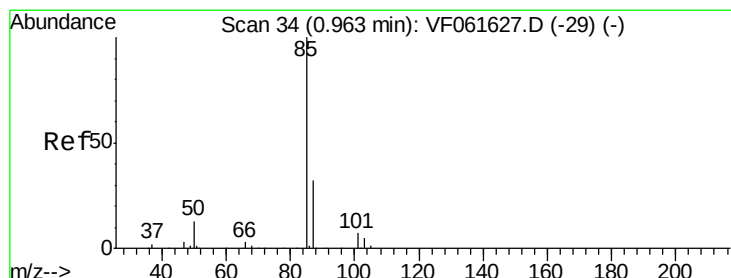
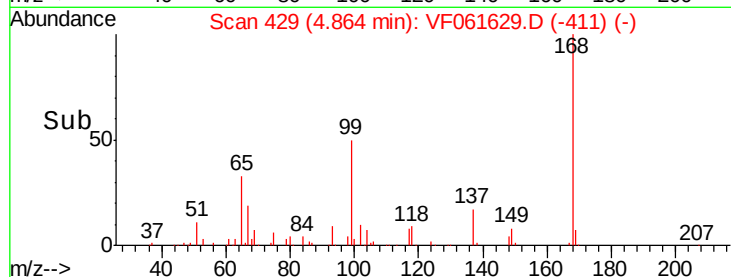
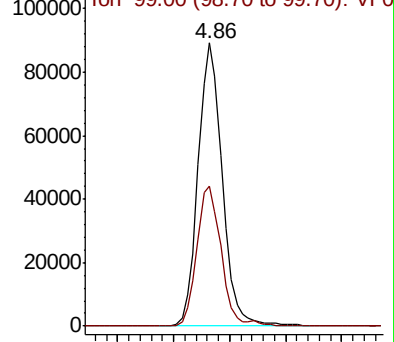
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Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 65.548 ug/l

RT: 0.95 min Scan# 32

Delta R.T. -0.01 min

Lab File: VF061629.D

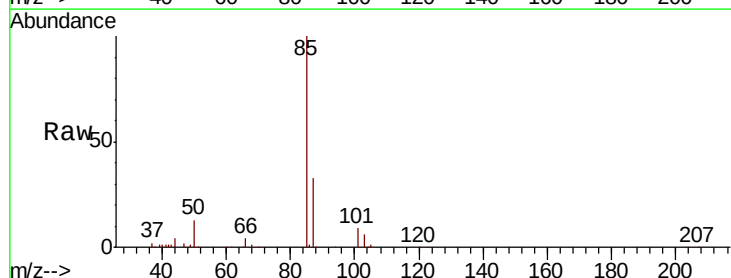
Acq: 13 Feb 2019 18:32

Tgt Ion: 85 Resp: 307479

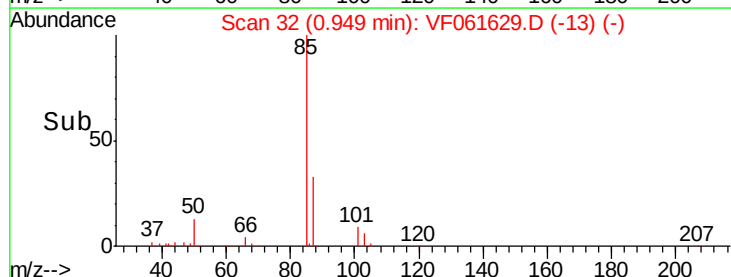
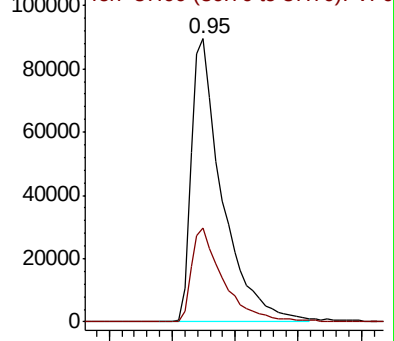
Ion Ratio Lower Upper

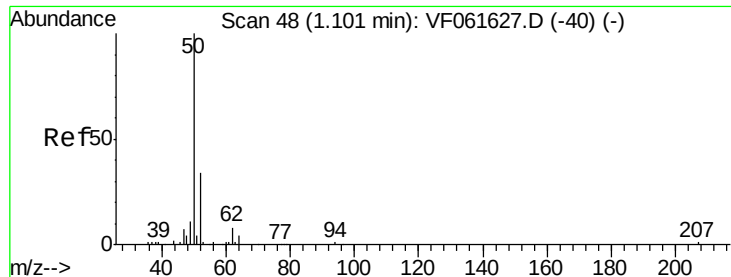
85 100

87 33.4 16.1 48.2



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 88.844 ug/l

RT: 1.08 min Scan# 45

Delta R.T. -0.02 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 326391

Ion Ratio Lower Upper

50 100

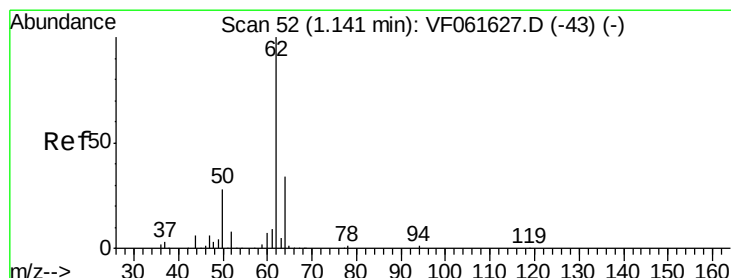
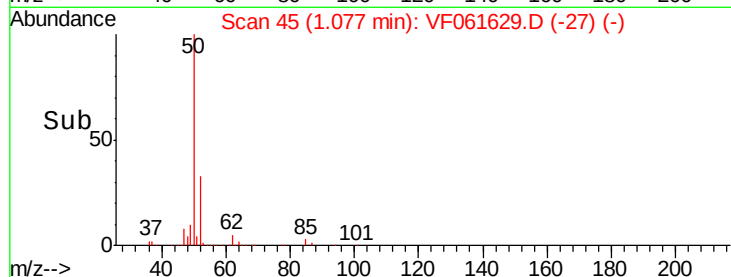
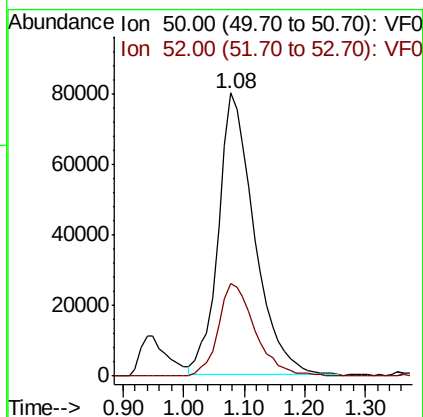
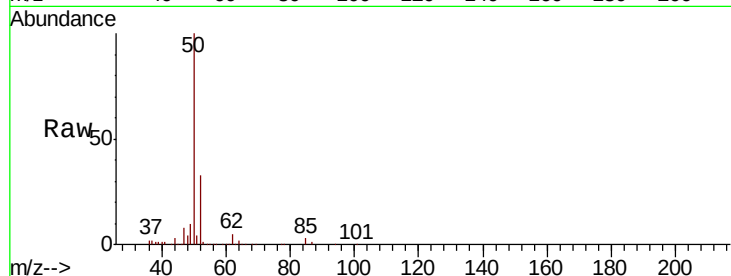
52 32.5 26.2 39.4

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#4

Vinyl Chloride

Concen: 98.543 ug/l

RT: 1.13 min Scan# 50

Delta R.T. -0.01 min

Lab File: VF061629.D

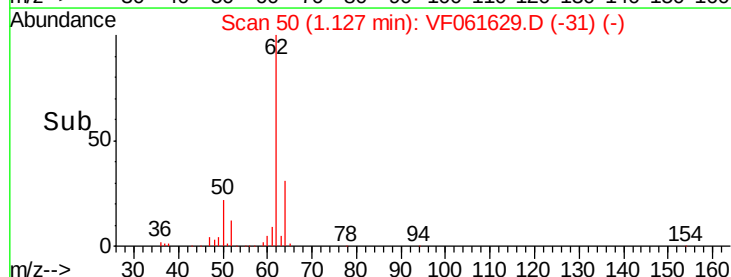
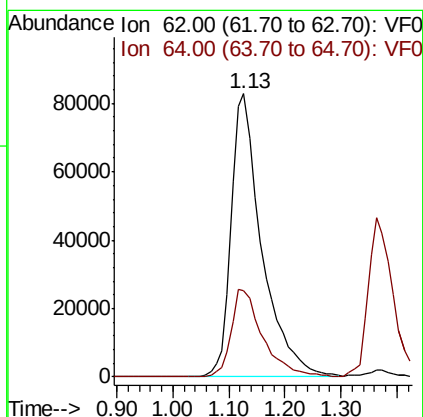
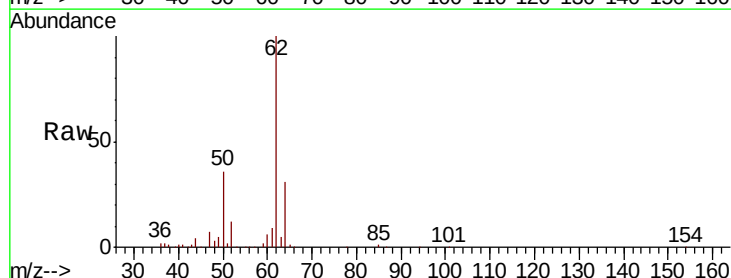
Acq: 13 Feb 2019 18:32

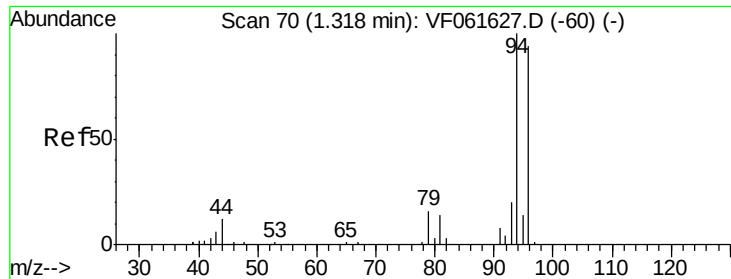
Tgt Ion: 62 Resp: 314658

Ion Ratio Lower Upper

62 100

64 30.6 27.5 41.3





#5

Bromomethane

Concen: 85.439 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.00 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 202783

Ion Ratio Lower Upper

94 100

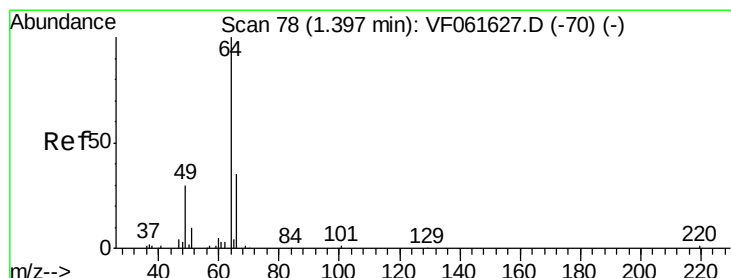
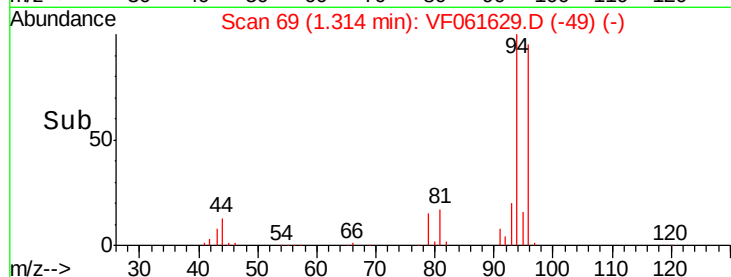
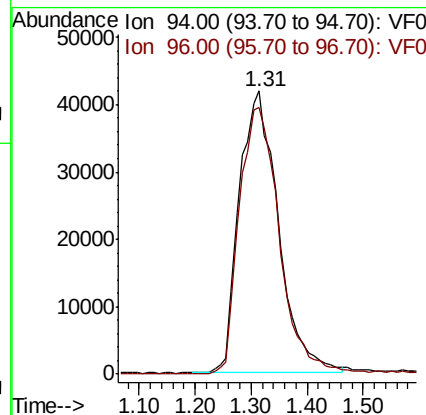
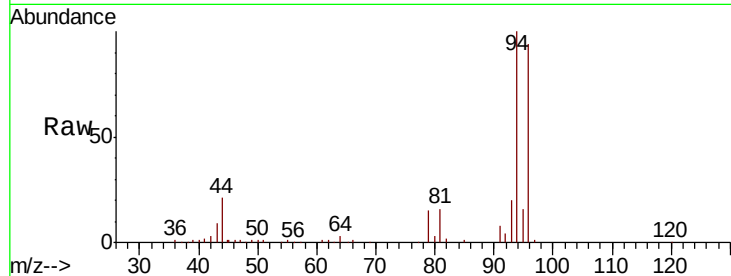
96 94.1 74.6 112.0

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#6

Chloroethane

Concen: 95.020 ug/l

RT: 1.36 min Scan# 74

Delta R.T. -0.03 min

Lab File: VF061629.D

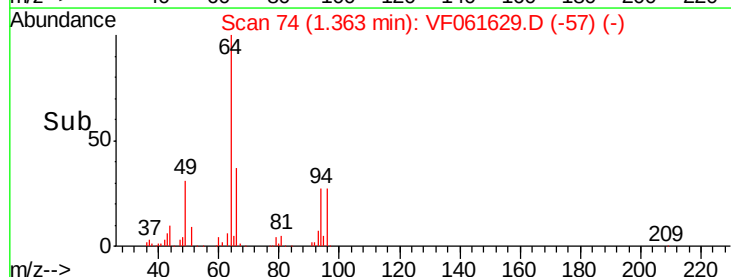
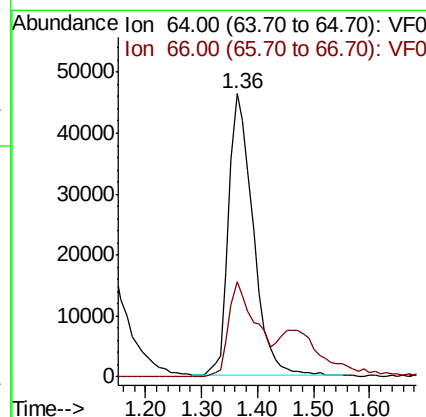
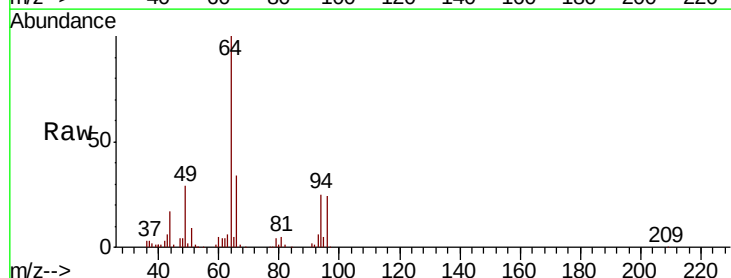
Acq: 13 Feb 2019 18:32

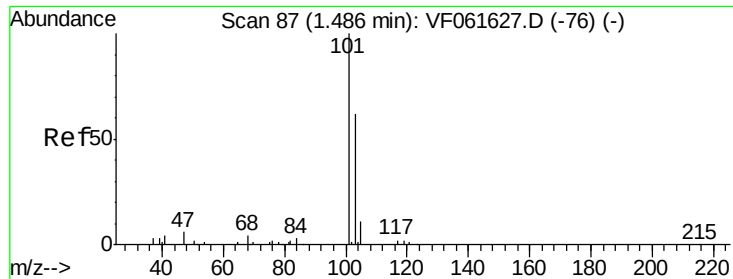
Tgt Ion: 64 Resp: 141308

Ion Ratio Lower Upper

64 100

66 33.8 27.9 41.9





#7

Trichlorofluoromethane

Concen: 66.438 ug/l

RT: 1.47 min Scan# 85

Delta R.T. -0.01 min

Lab File: VF061629.D

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Tot Ion:101 Resp: 372462

Ion Ratio Lower Upper

101 100

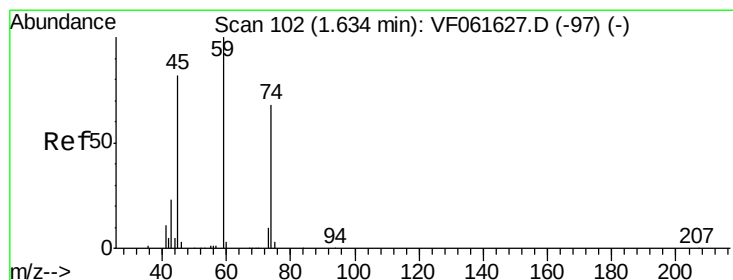
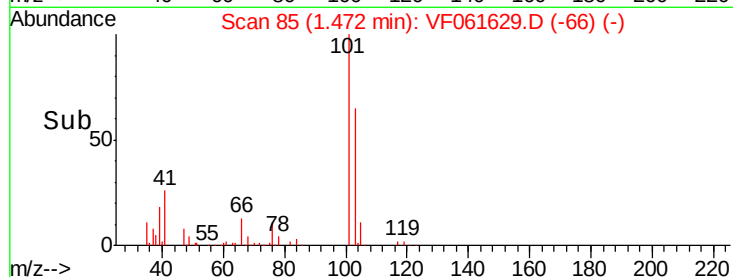
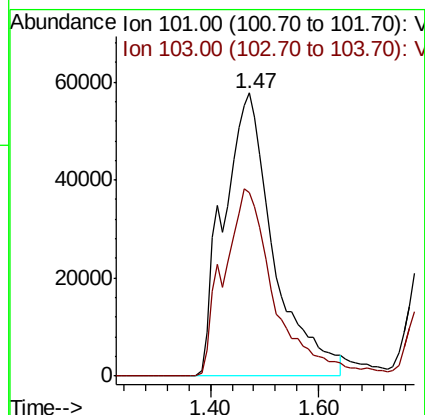
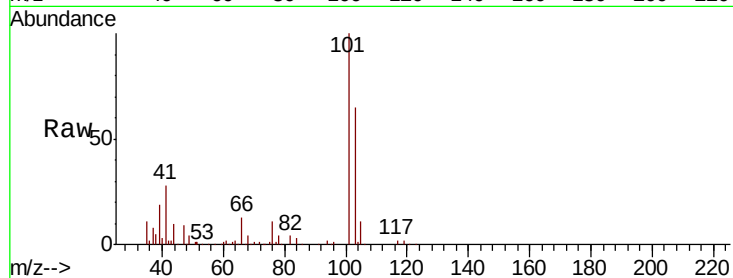
103 65.0 49.3 73.9

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#8

Diethyl Ether

Concen: 102.570 ug/l

RT: 1.62 min Scan# 100

Delta R.T. -0.01 min

Lab File: VF061629.D

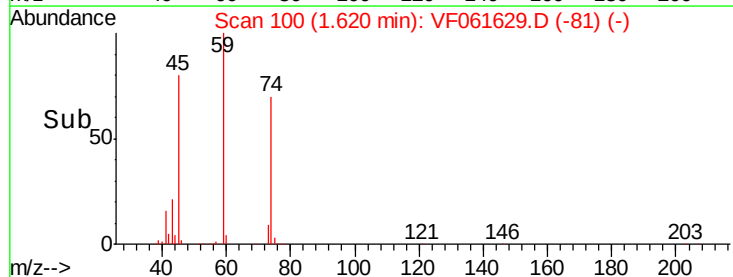
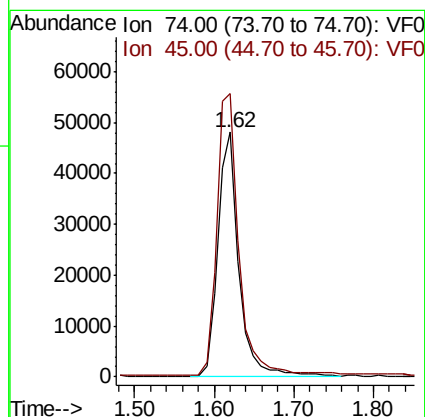
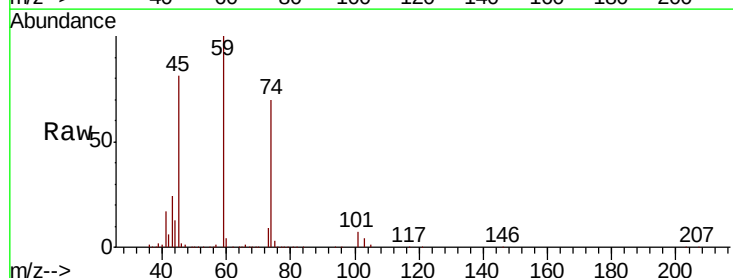
Acq: 13 Feb 2019 18:32

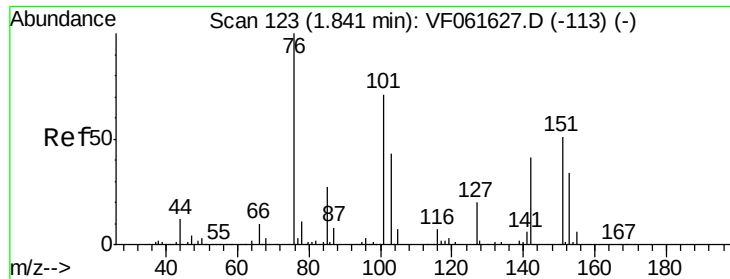
Tgt Ion: 74 Resp: 90034

Ion Ratio Lower Upper

74 100

45 115.6 60.8 182.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 84.178 ug/l

RT: 1.81 min Scan# 119

Delta R.T. -0.03 min

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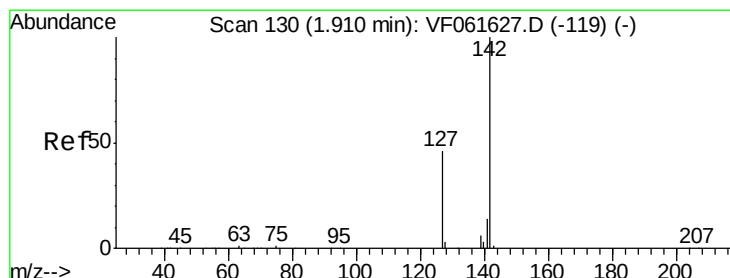
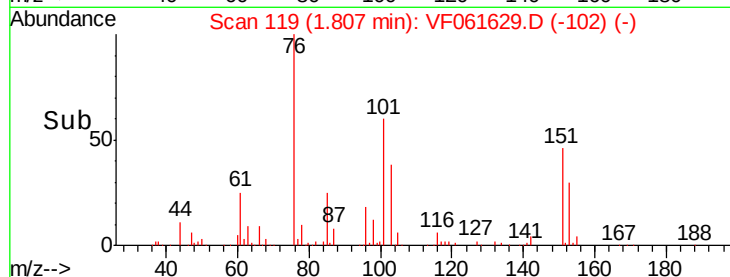
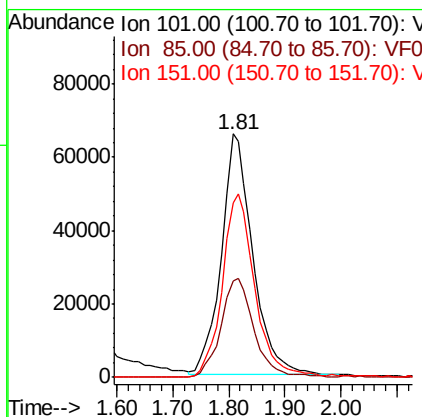
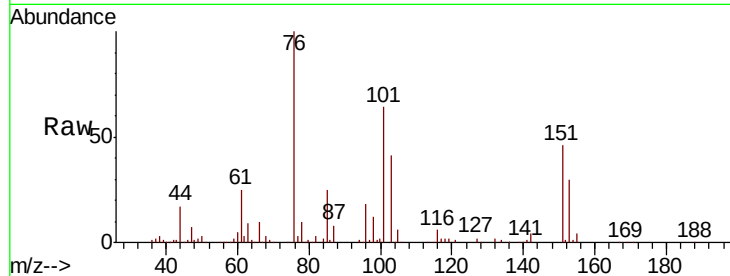
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	254778
Ion Ratio	Lower	Upper	
101	100		
85	39.6	29.8	44.6
151	71.6	56.3	84.5

Manual Integrations
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#10

Methyl Iodide

Concen: 103.226 ug/l m

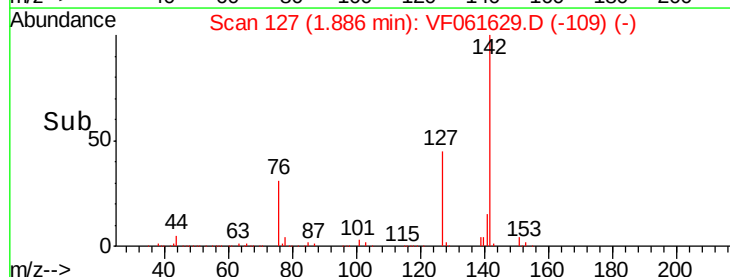
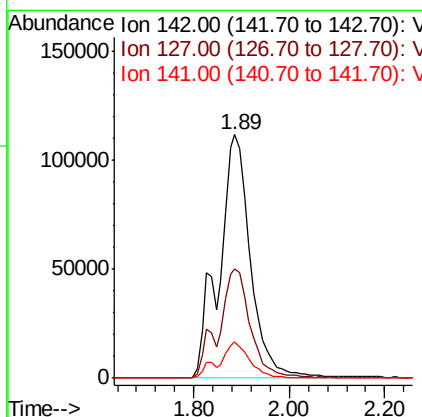
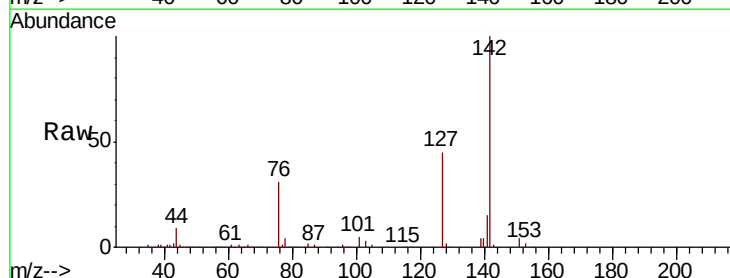
RT: 1.89 min Scan# 127

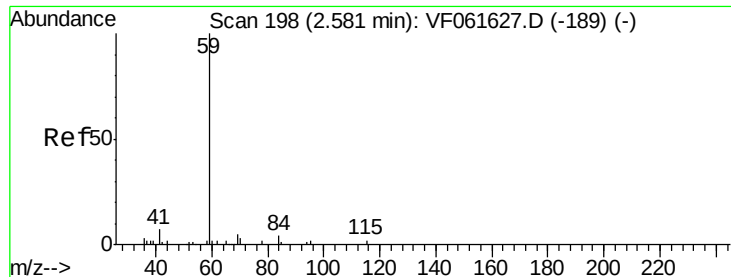
Delta R.T. -0.02 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

Tgt Ion:	142	Resp:	515471
Ion Ratio	Lower	Upper	
142	100		
127	44.8	36.6	55.0
141	15.1	11.0	16.6





#11

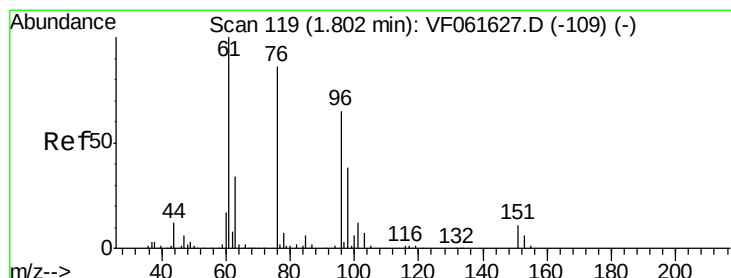
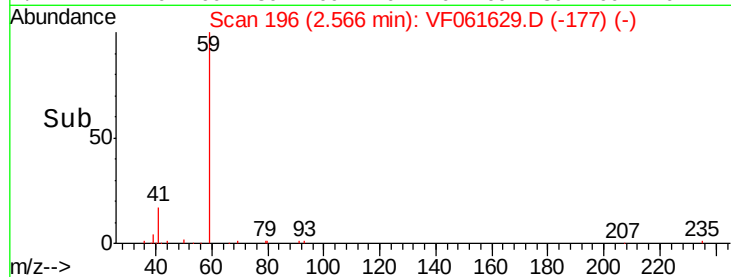
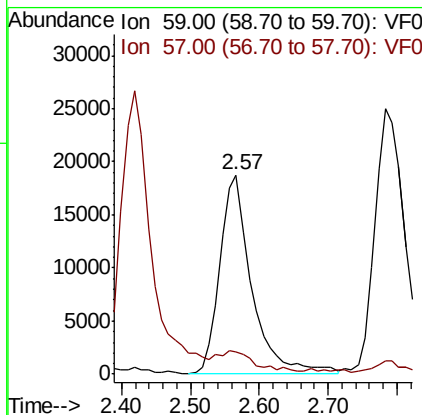
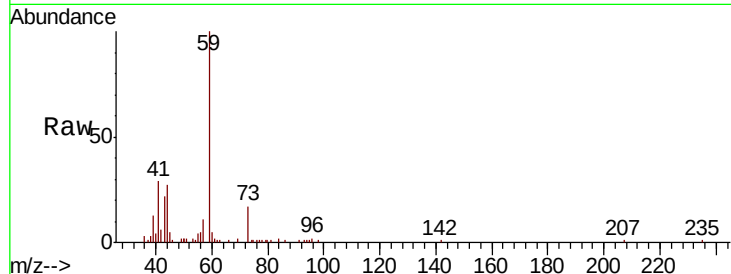
Tert butyl alcohol
Concen: 429.006 ug/l
RT: 2.57 min Scan# 196
Delta R.T. -0.01 min
Lab File: VF061629.D
Acq: 13 Feb 2019 18:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 59 Resp: 60468
Ion Ratio Lower Upper
59 100
57 11.3 12.5 18.7#

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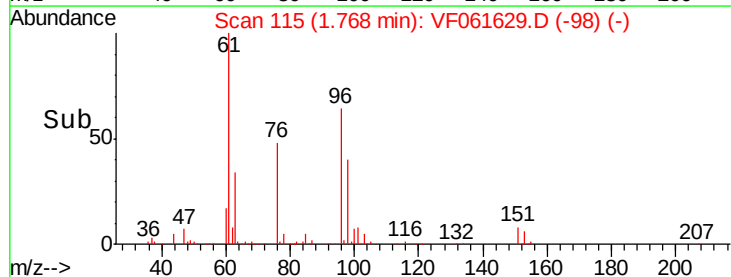
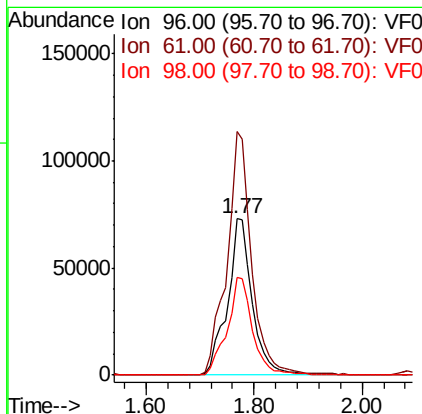
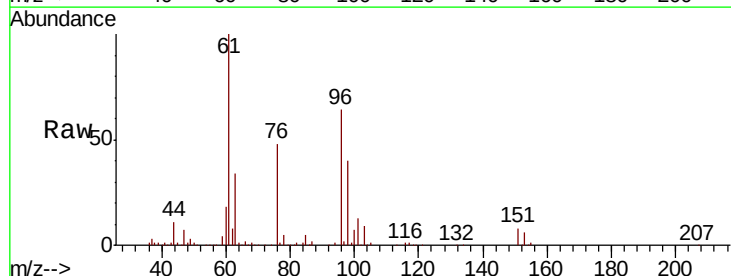
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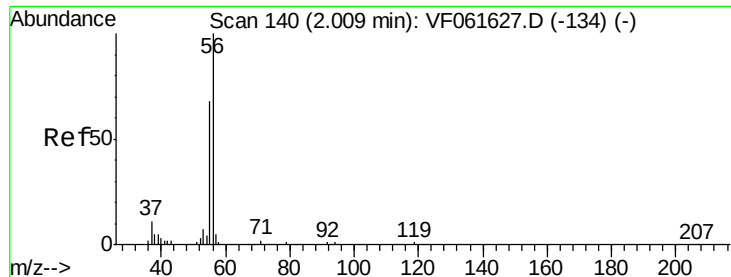


#12

1,1-Dichloroethene
Concen: 95.153 ug/l
RT: 1.77 min Scan# 115
Delta R.T. -0.03 min
Lab File: VF061629.D
Acq: 13 Feb 2019 18:32

Tgt Ion: 96 Resp: 235306
Ion Ratio Lower Upper
96 100
61 155.9 122.6 184.0
98 62.4 47.2 70.8





#13

Acrolein

Concen: 491.263 ug/l

RT: 1.98 min Scan# 137

Delta R.T. -0.02 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 76742

Ion Ratio Lower Upper

56 100

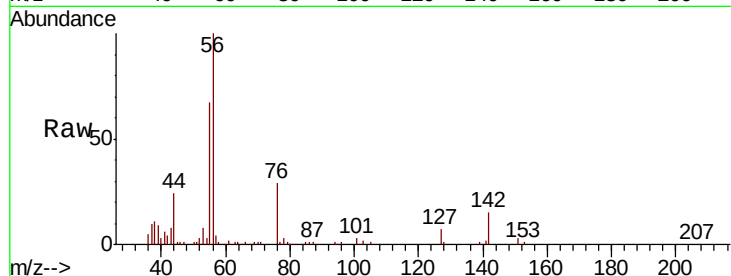
55 66.8 55.0 82.6

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

1.98

30000

25000

20000

15000

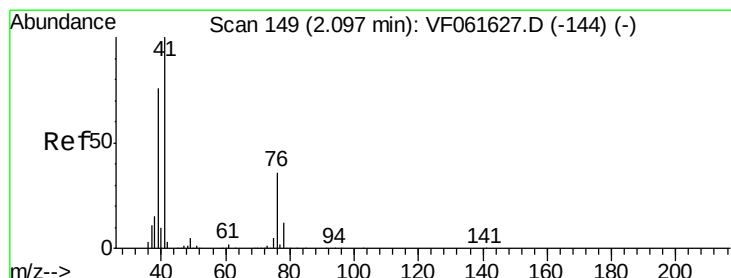
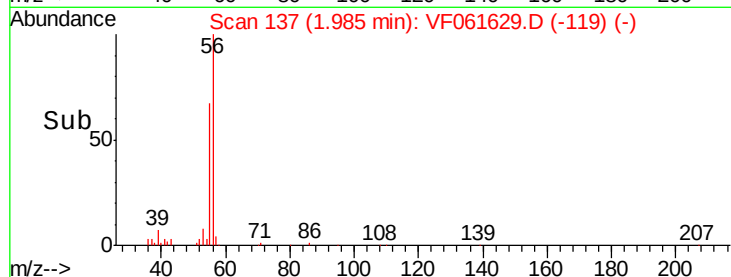
10000

5000

0

1.90 2.00 2.10 2.20

Time-->



#14

Allyl chloride

Concen: 83.868 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

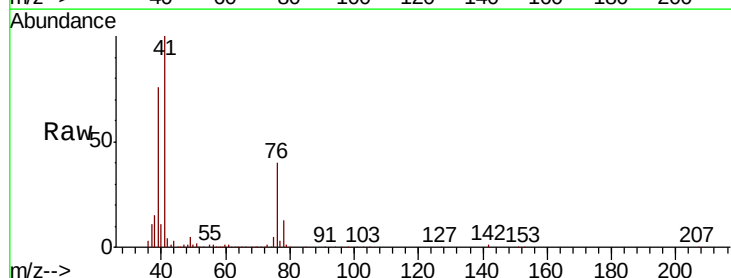
Tgt Ion: 41 Resp: 301443

Ion Ratio Lower Upper

41 100

39 76.3 61.6 92.4

76 39.7 30.3 45.5



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

200000

150000

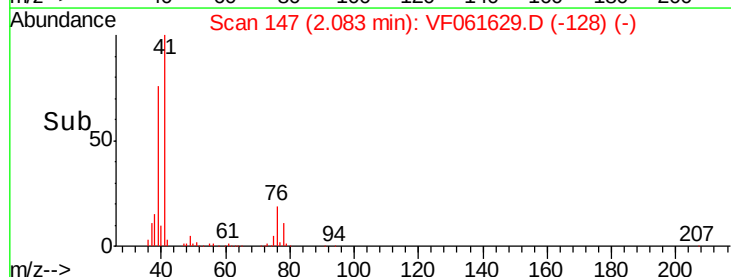
100000

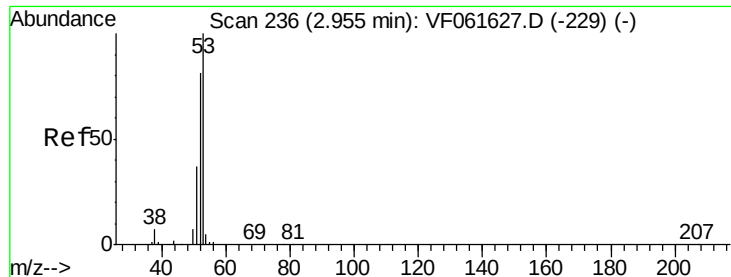
50000

0

2.00 2.05 2.10 2.15

Time-->





#15

Acrylonitrile

Concen: 552.570 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.02 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

Instrument :

MSVOA_F

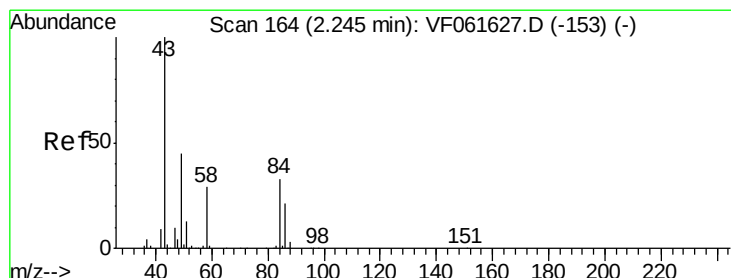
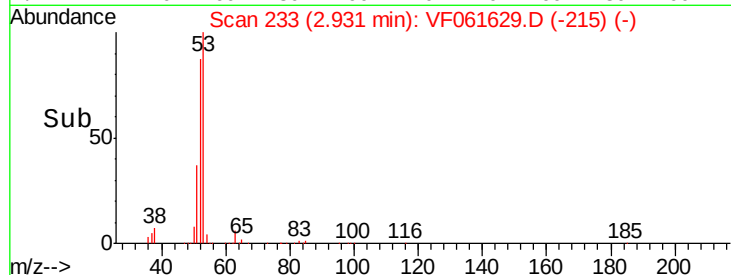
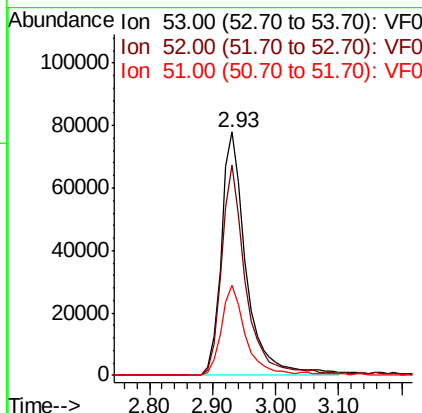
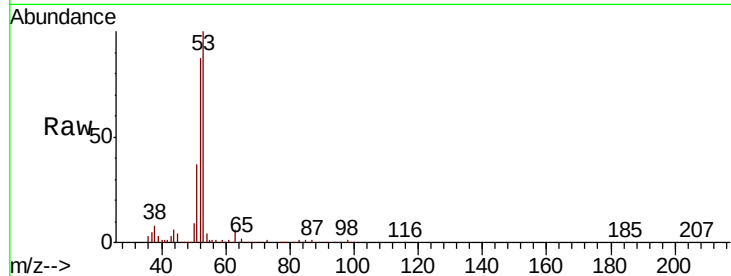
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	214246
Ion Ratio		Lower	Upper
53	100		
52	86.5	64.6	97.0
51	36.9	29.8	44.8

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#16

Acetone

Concen: 403.785 ug/l

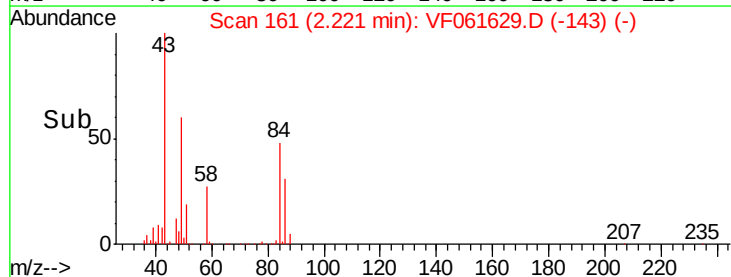
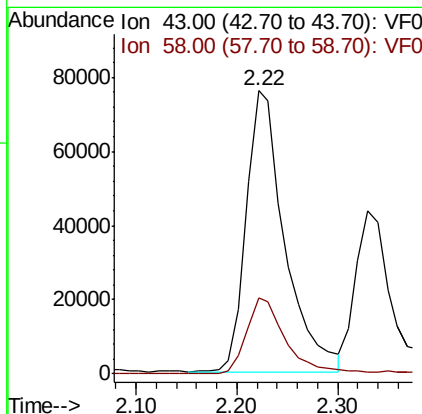
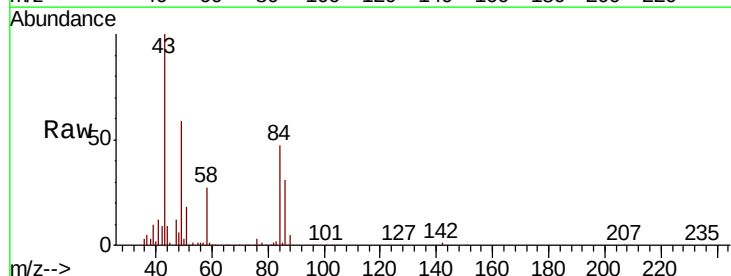
RT: 2.22 min Scan# 161

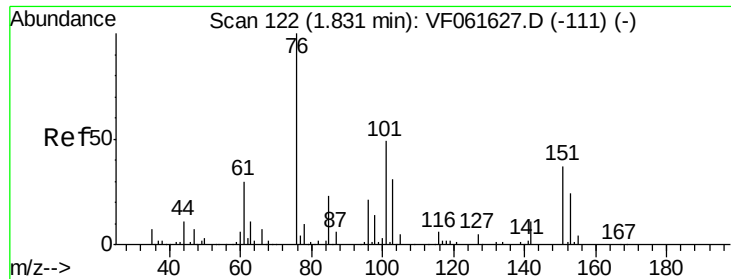
Delta R.T. -0.02 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

Tgt Ion:	43	Resp:	201956
Ion Ratio		Lower	Upper
43	100		
58	26.9	22.9	34.3





#17

Carbon Disulfide

Concen: 98.162 ug/l

RT: 1.81 min Scan# 119

Delta R.T. -0.02 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 739740

Ion Ratio Lower Upper

76 100

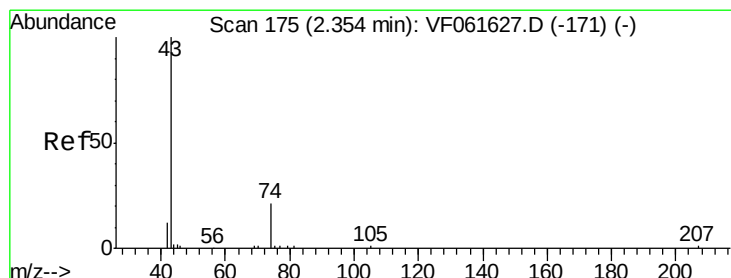
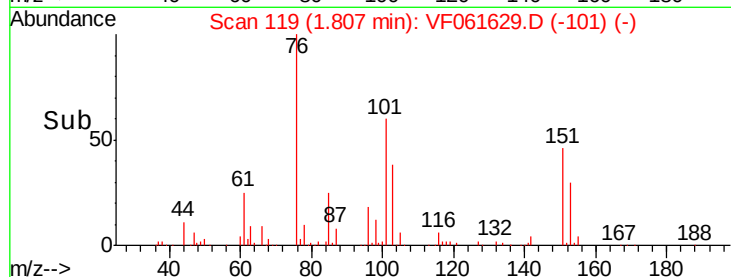
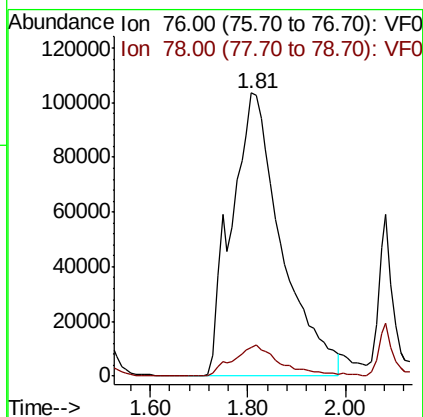
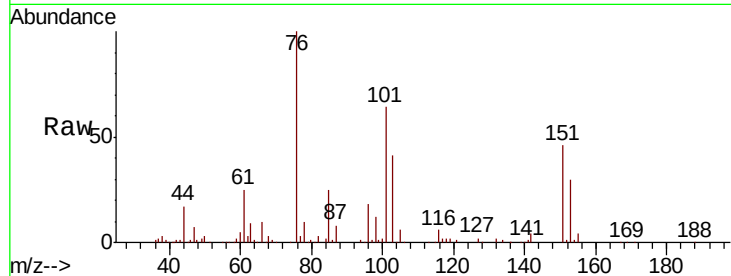
78 10.2 7.9 11.9

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#18

Methyl Acetate

Concen: 89.447 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.02 min

Lab File: VF061629.D

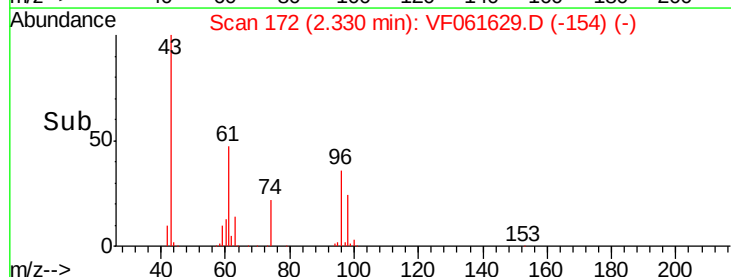
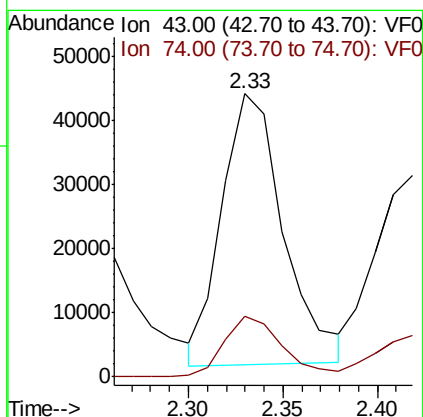
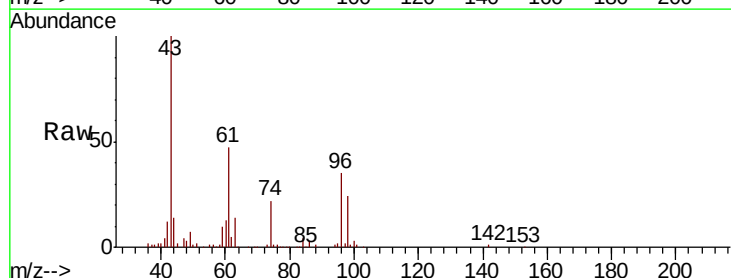
Acq: 13 Feb 2019 18:32

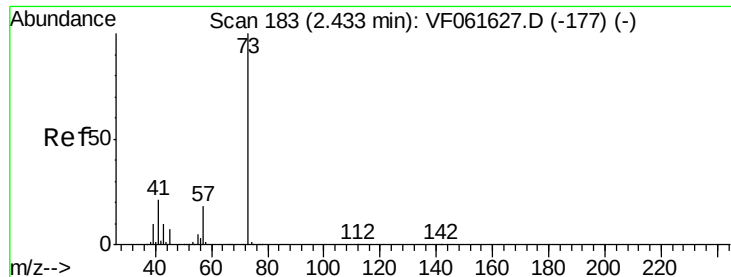
Tgt Ion: 43 Resp: 95597

Ion Ratio Lower Upper

43 100

74 21.6 14.6 21.8





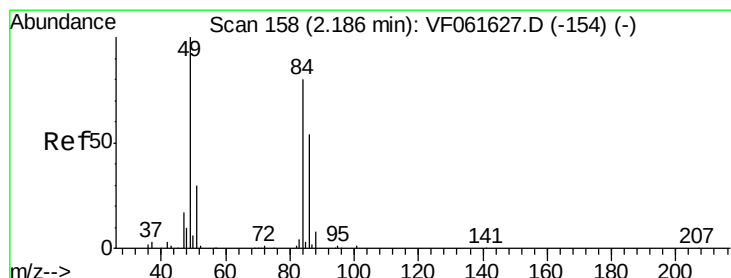
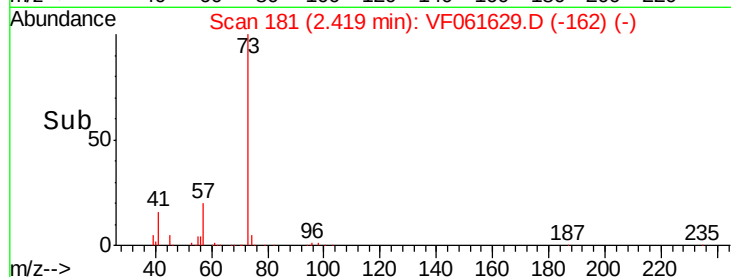
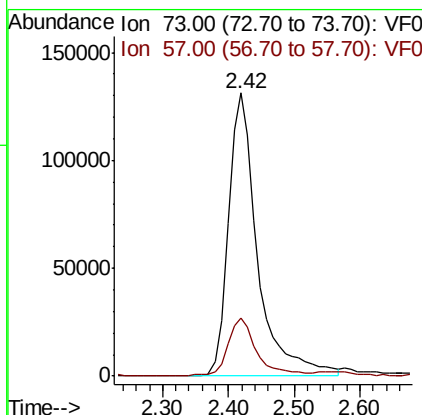
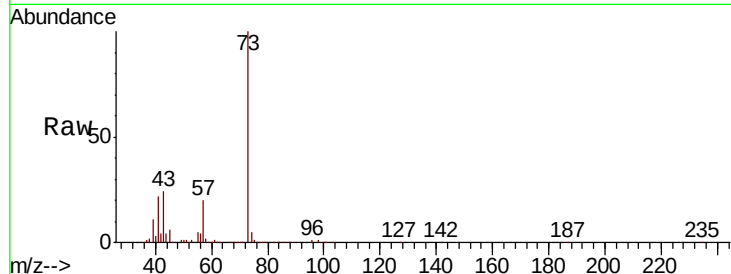
#19
Methyl tert-butyl Ether
Concen: 80.879 ug/l
RT: 2.42 min Scan# 181
Delta R.T. -0.01 min
Lab File: VF061629.D
Acq: 13 Feb 2019 18:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 407225
Ion Ratio Lower Upper
73 100
57 20.3 15.8 23.8

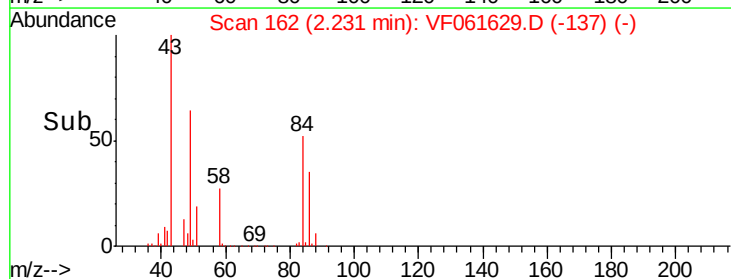
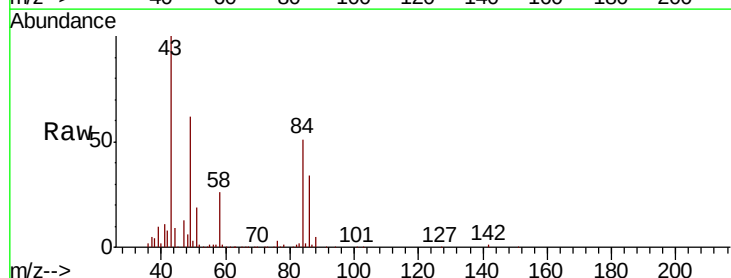
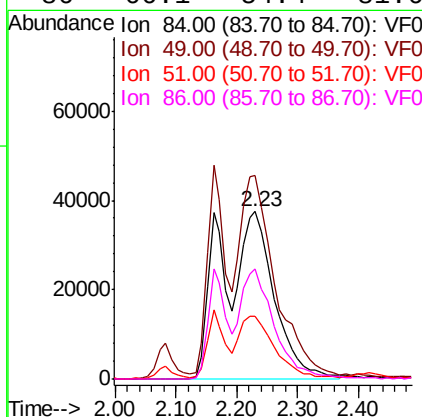
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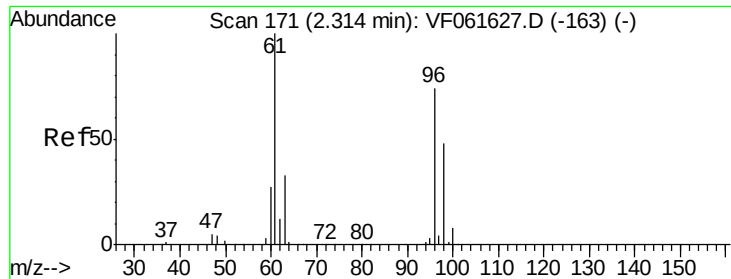
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#20
Methylene Chloride
Concen: 76.095 ug/l m
RT: 2.23 min Scan# 162
Delta R.T. 0.05 min
Lab File: VF061629.D
Acq: 13 Feb 2019 18:32

Tgt Ion: 84 Resp: 223534
Ion Ratio Lower Upper
84 100
49 121.5 101.8 152.8
51 37.5 31.1 46.7
86 66.1 54.4 81.6





#21

trans-1,2-Dichloroethene

Concen: 99.728 ug/l

RT: 2.29 min Scan# 168

Delta R.T. -0.02 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

Instrument :

MSVOA_F

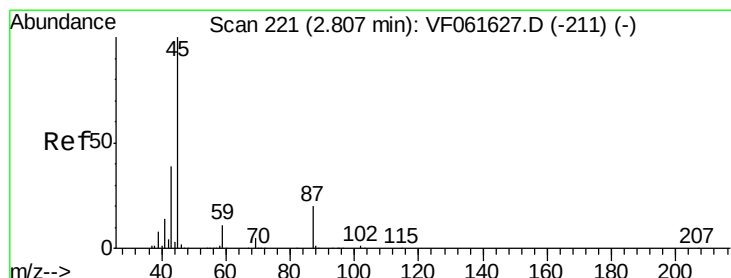
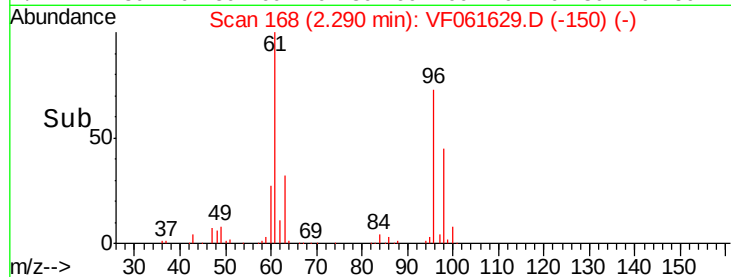
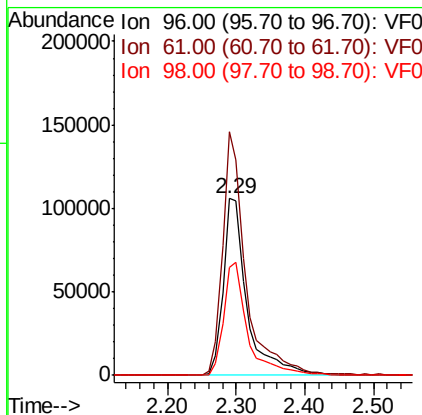
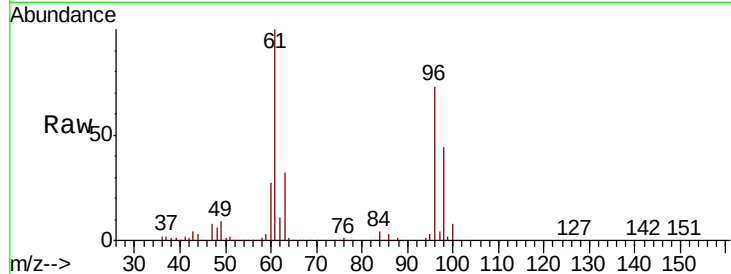
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	254752
Ion	Ratio	Lower	Upper
96	100		
61	137.9	108.2	162.4
98	61.3	52.2	78.2

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#22

Diisopropyl ether

Concen: 87.911 ug/l

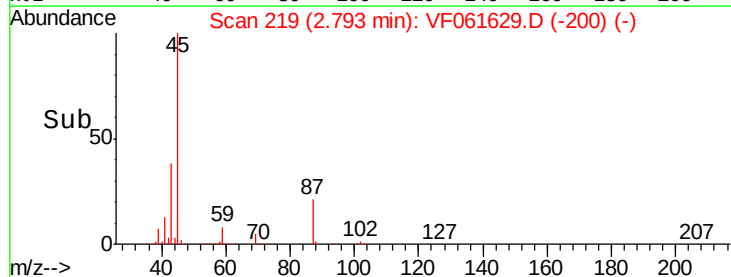
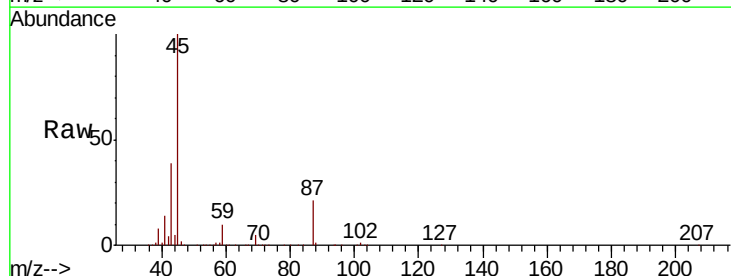
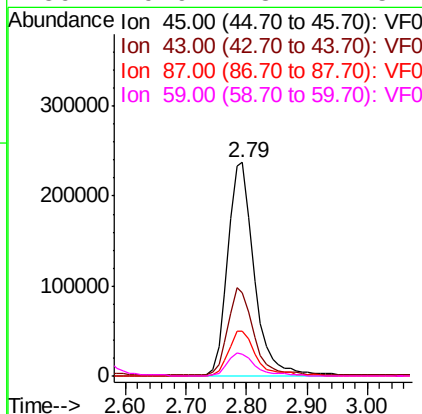
RT: 2.79 min Scan# 219

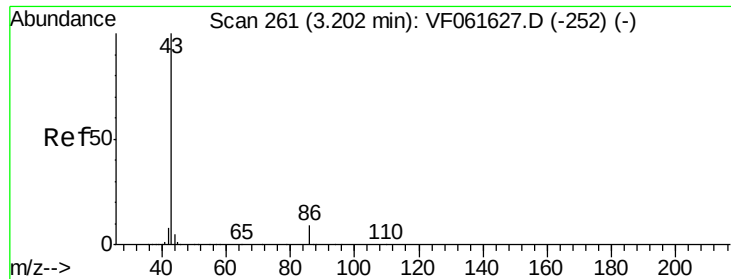
Delta R.T. -0.01 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

Tgt Ion:	45	Resp:	723404
Ion	Ratio	Lower	Upper
45	100		
43	38.9	31.4	47.2
87	20.7	16.3	24.5
59	9.9	8.7	13.1





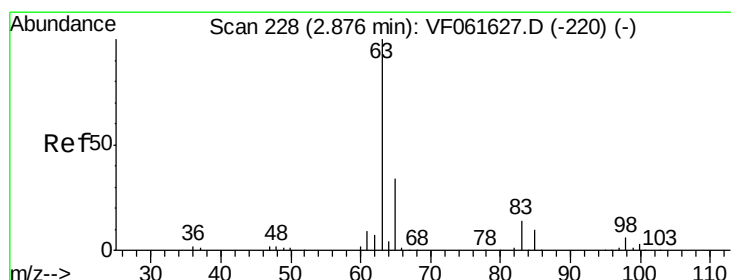
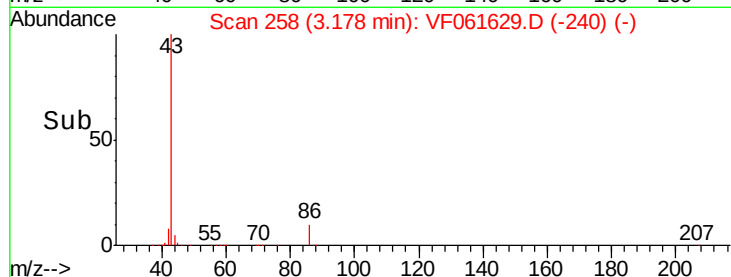
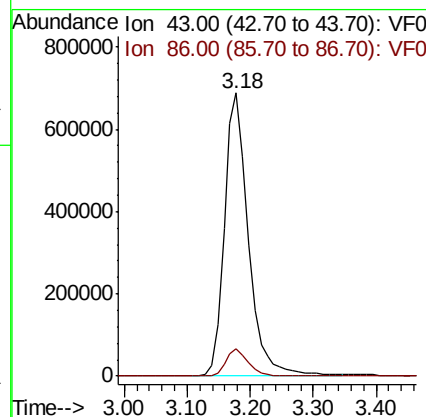
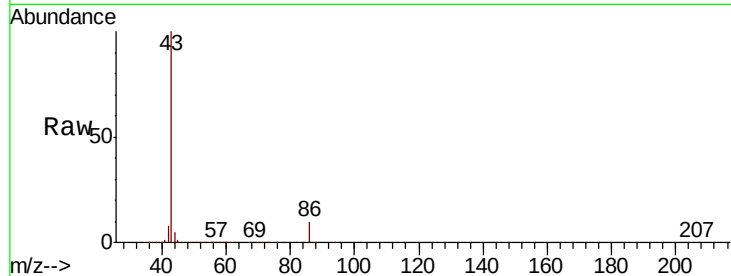
#23
 Vinyl Acetate
 Concen: 450.305 ug/l
 RT: 3.18 min Scan# 258
 Delta R.T. -0.02 min
 Lab File: VF061629.D
 Acq: 13 Feb 2019 18:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 1816122
 Ion Ratio Lower Upper
 43 100
 86 9.7 7.5 11.3

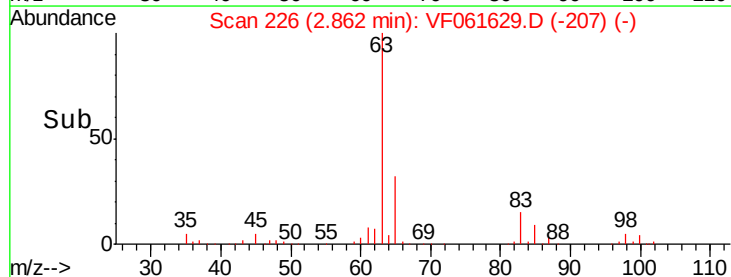
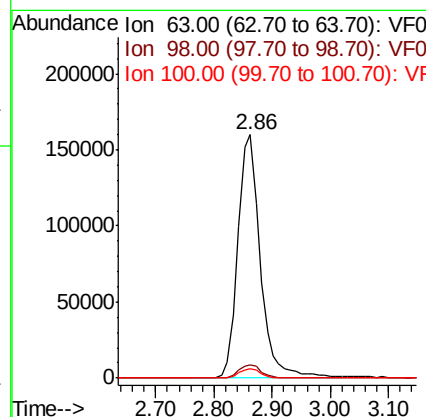
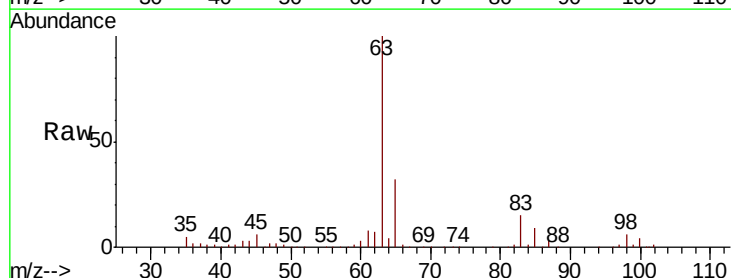
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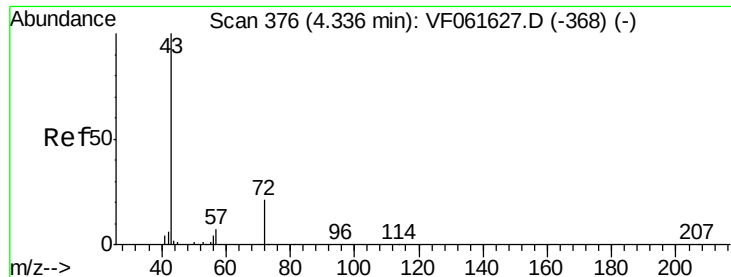
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#24
 1,1-Dichloroethane
 Concen: 86.635 ug/l
 RT: 2.86 min Scan# 226
 Delta R.T. -0.01 min
 Lab File: VF061629.D
 Acq: 13 Feb 2019 18:32

Tgt Ion: 63 Resp: 430633
 Ion Ratio Lower Upper
 63 100
 98 5.6 2.8 8.3
 100 4.0 1.8 5.4





#25

2-Butanone

Concen: 486.195 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.01 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

Instrument :

MSVOA_F

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 495140

Ion Ratio Lower Upper

43 100

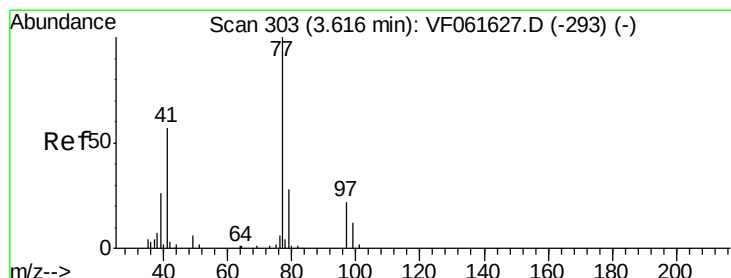
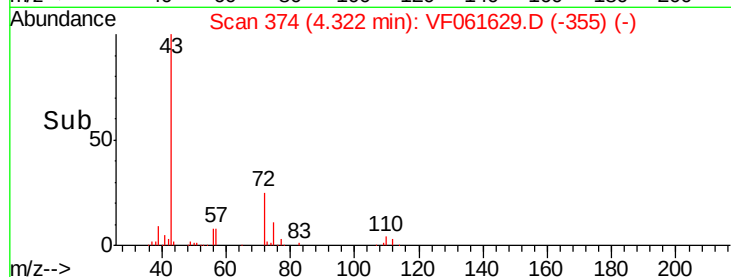
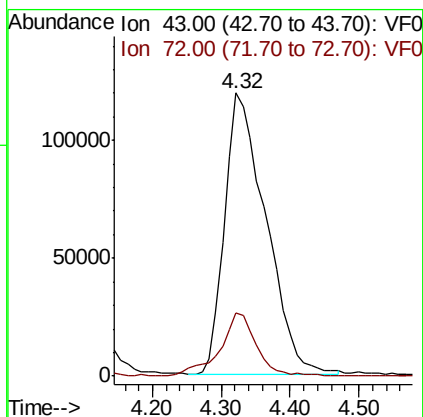
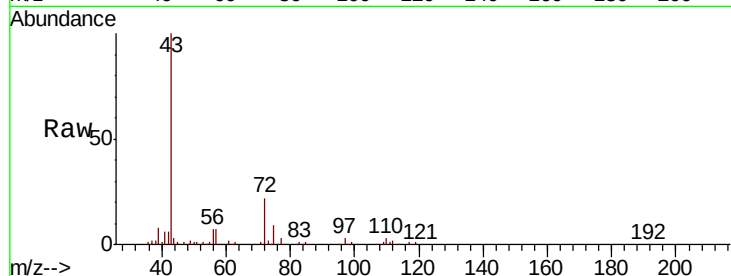
72 22.3 17.1 25.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 71.947 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.02 min

Lab File: VF061629.D

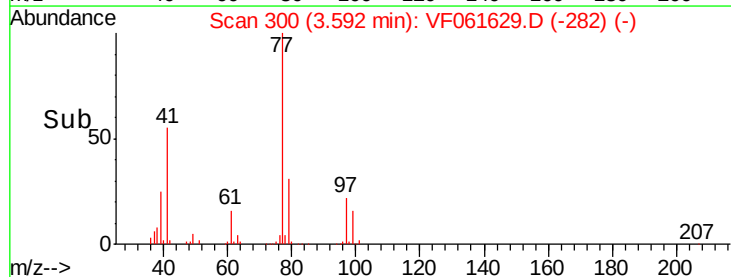
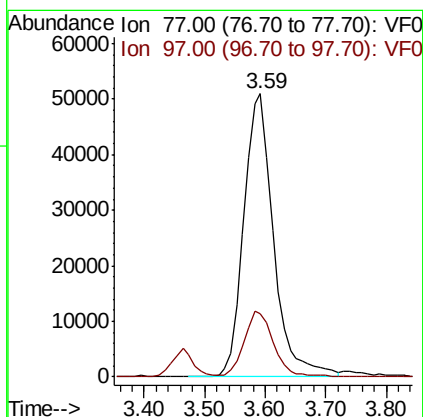
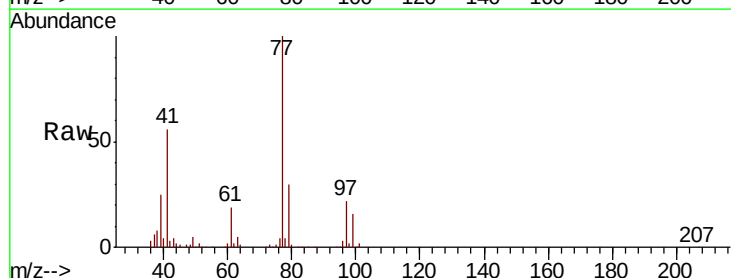
Acq: 13 Feb 2019 18:32

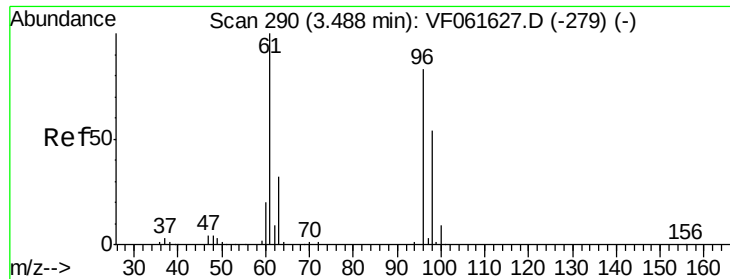
Tgt Ion: 77 Resp: 174250

Ion Ratio Lower Upper

77 100

97 22.2 11.7 35.0





#27

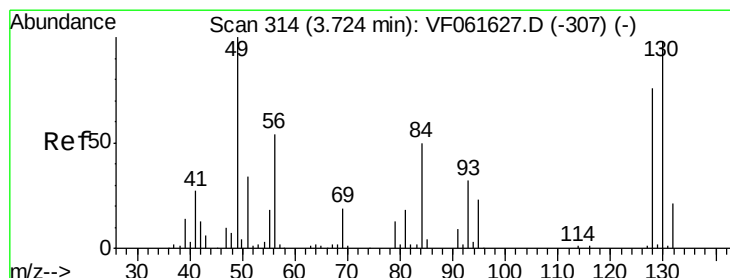
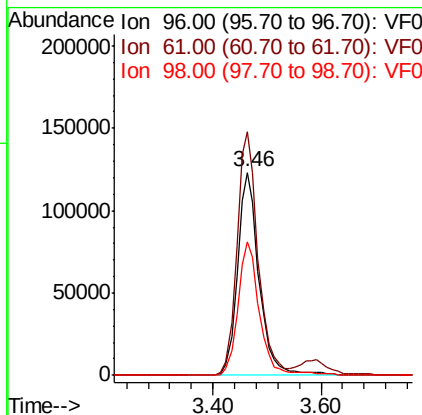
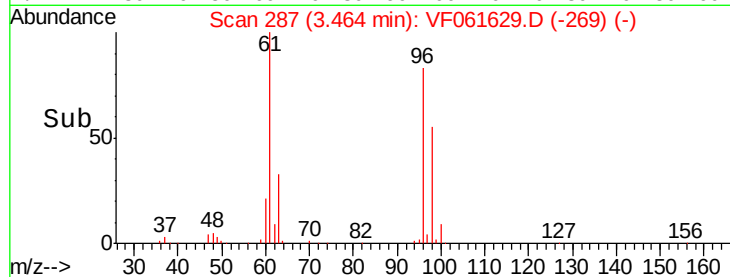
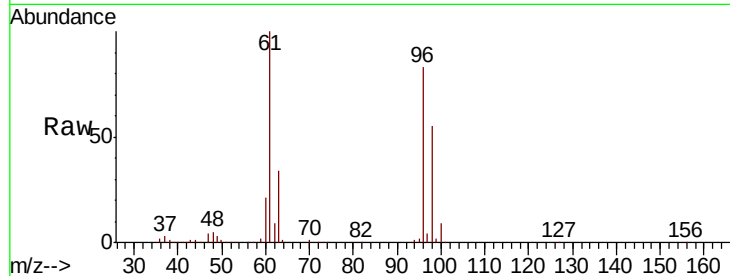
cis-1,2-Dichloroethene
Concen: 94.112 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.02 min
Lab File: VF061629.D
Acq: 13 Feb 2019 18:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	341582		
61	119.8	0.0	241.6	
98	65.7	0.0	130.2	

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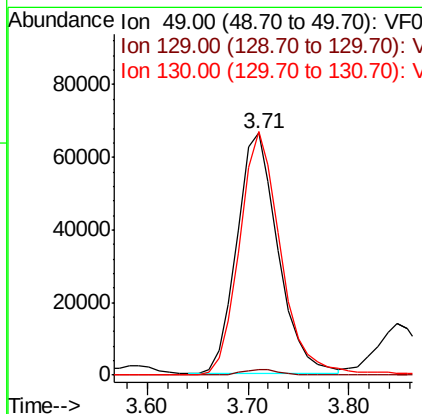
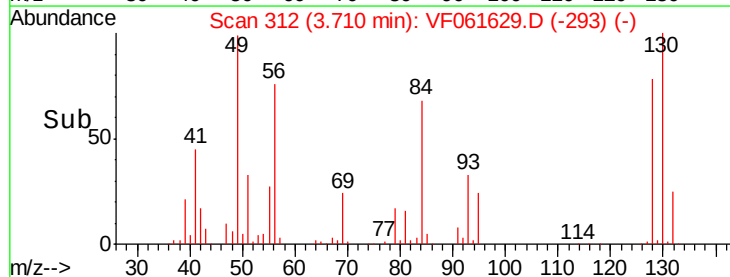
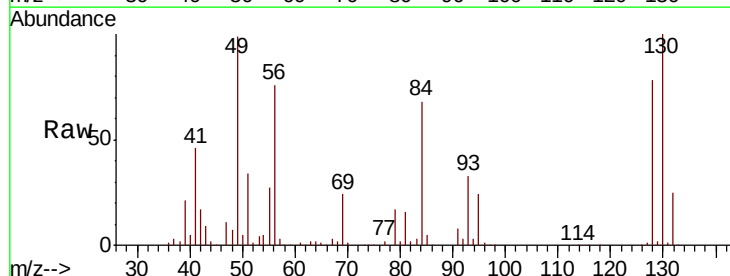
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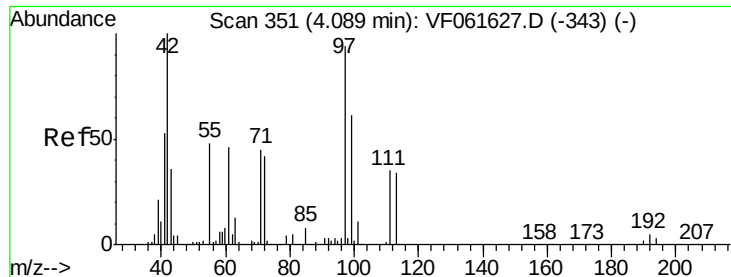


#28

Bromochloromethane
Concen: 76.302 ug/l
RT: 3.71 min Scan# 312
Delta R.T. -0.01 min
Lab File: VF061629.D
Acq: 13 Feb 2019 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	188552		
129	2.4	0.0	3.4	
130	100.6	77.7	116.5	





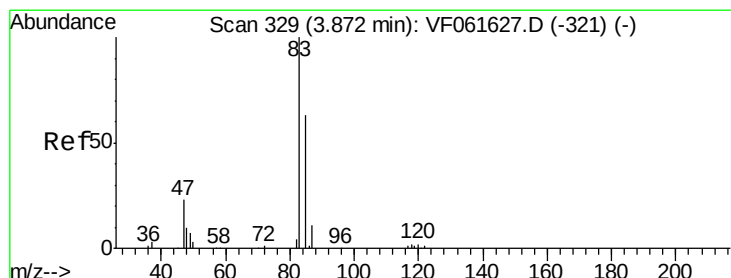
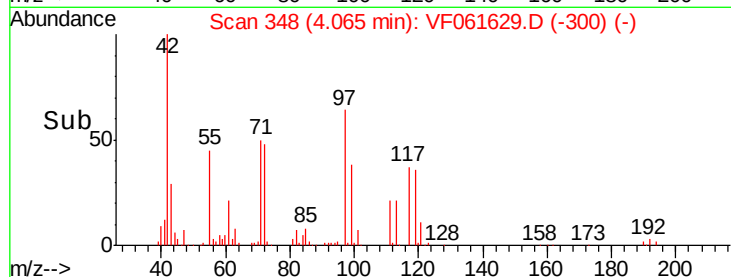
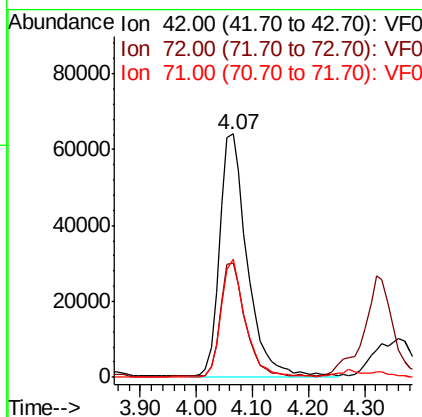
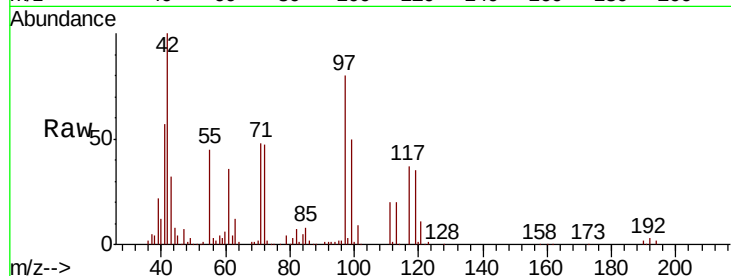
#29
Tetrahydrofuran
Concen: 457.991 ug/l
RT: 4.07 min Scan# 348
Delta R.T. -0.02 min
Lab File: VF061629.D
Acq: 13 Feb 2019 18:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	35.2	52.8
71	43.3	32.9	49.3

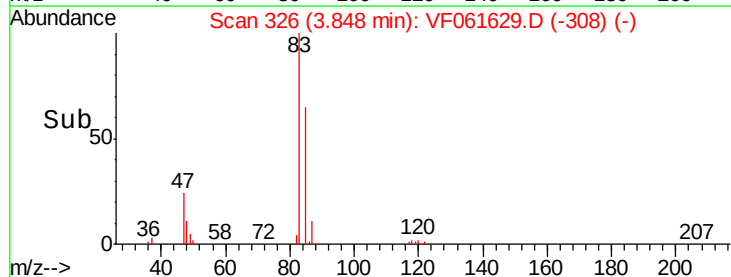
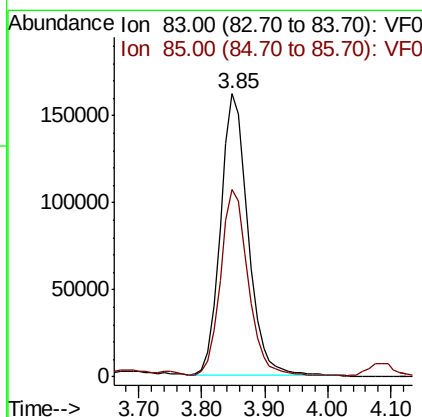
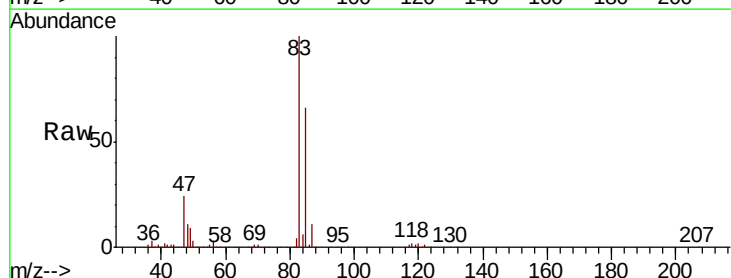
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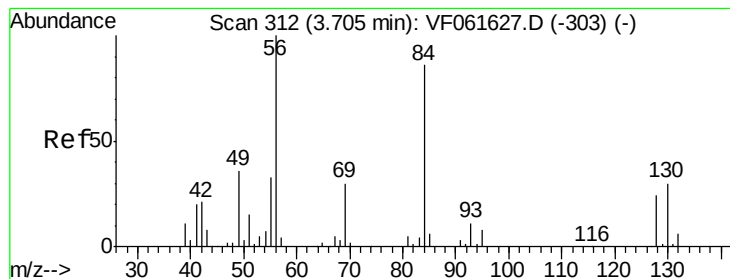
MMDadoda
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#30
Chloroform
Concen: 72.874 ug/l
RT: 3.85 min Scan# 326
Delta R.T. -0.02 min
Lab File: VF061629.D
Acq: 13 Feb 2019 18:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.1	76.7





#31

Cyclohexane

Concen: 92.761 ug/l

RT: 3.68 min Scan# 309

Delta R.T. -0.02 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

Instrument :

MSVOA_F

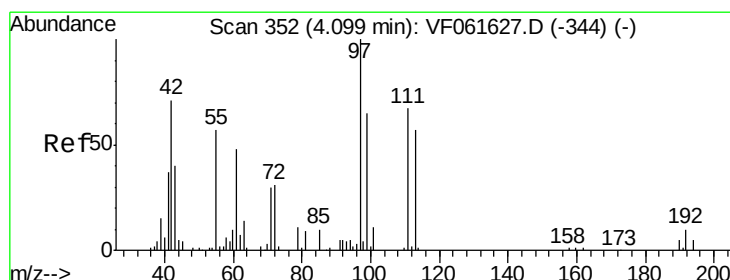
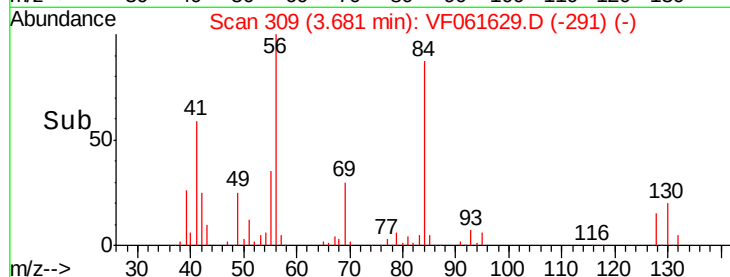
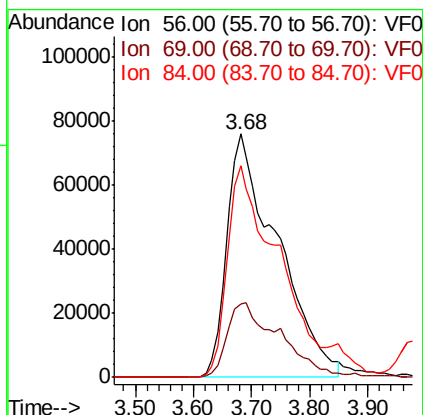
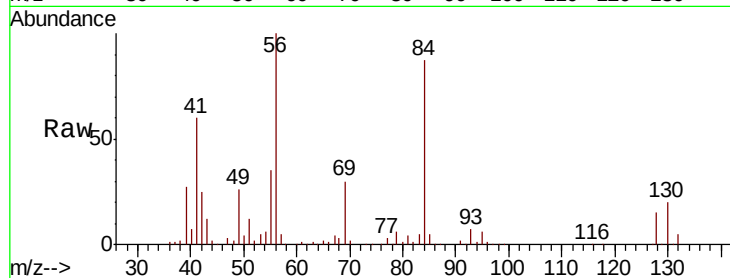
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	457766
Ion Ratio	Lower	Upper	
56	100		
69	29.9	23.8	35.8
84	86.8	68.6	103.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 73.691 ug/l

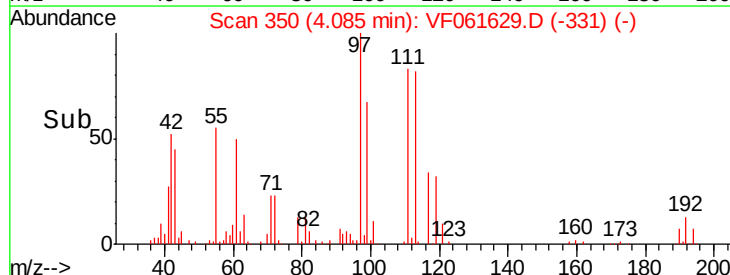
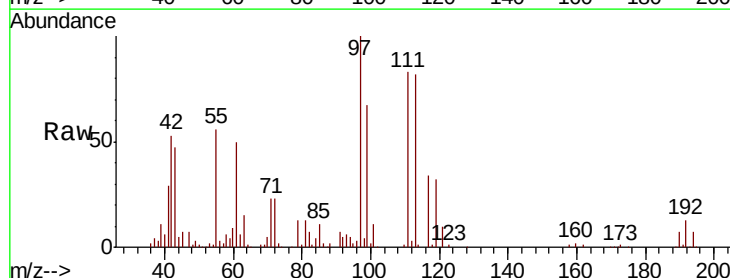
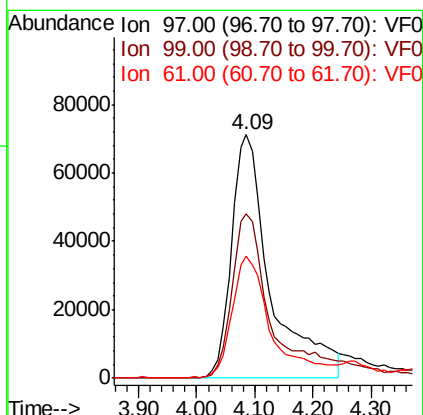
RT: 4.09 min Scan# 350

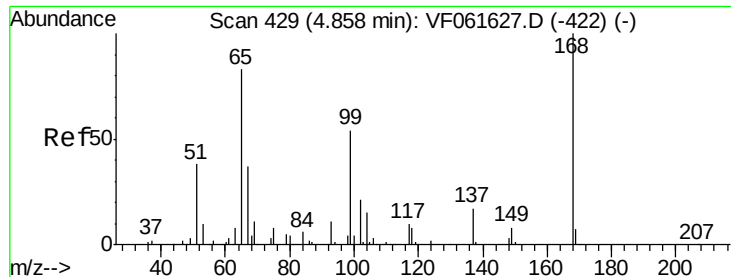
Delta R.T. -0.01 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

Tgt Ion:	97	Resp:	334719
Ion Ratio	Lower	Upper	
97	100		
99	67.4	52.2	78.2
61	49.9	39.2	58.8





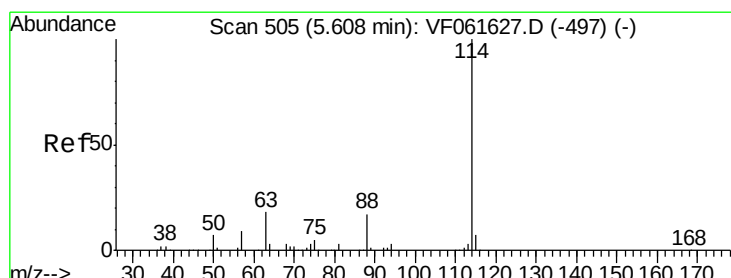
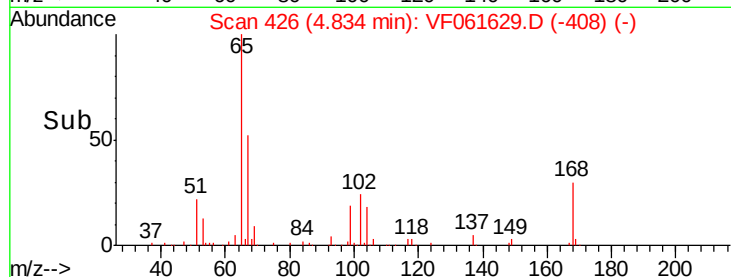
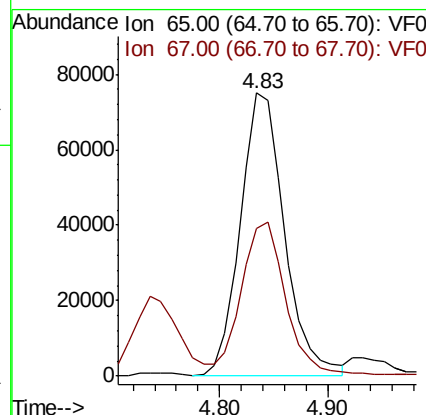
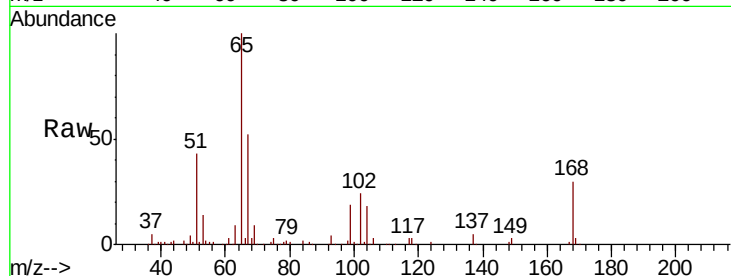
#33
 1,2-Dichloroethane-d4
 Concen: 63.774 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.02 min
 Lab File: VF061629.D
 Acq: 13 Feb 2019 18:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	212092		
67	52.1	0.0	104.0	

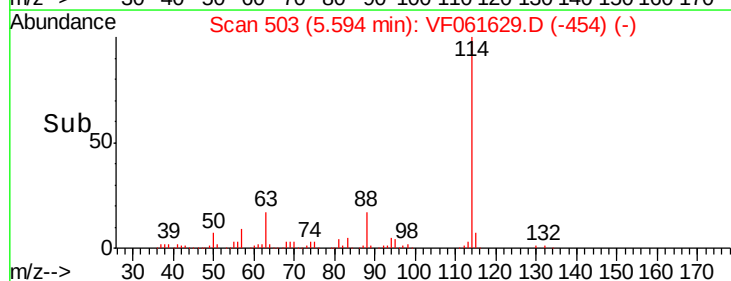
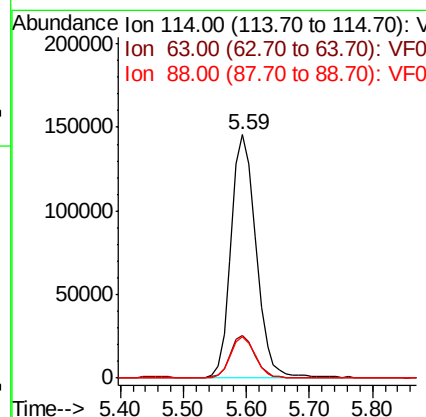
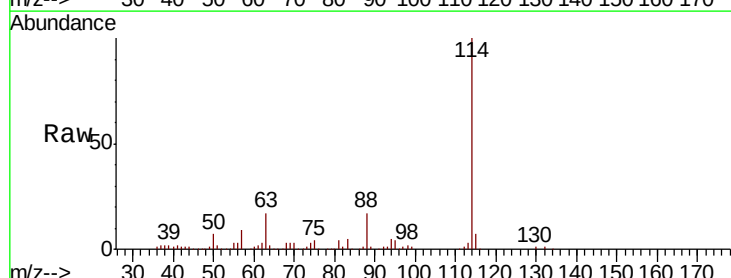
Manual Integrations
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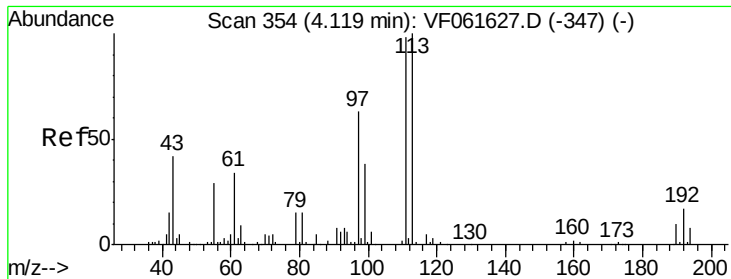
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.01 min
 Lab File: VF061629.D
 Acq: 13 Feb 2019 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	401772		
63	17.3	0.0	36.6	
88	16.9	0.0	34.4	





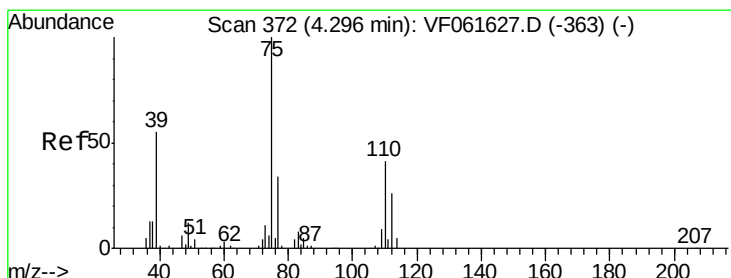
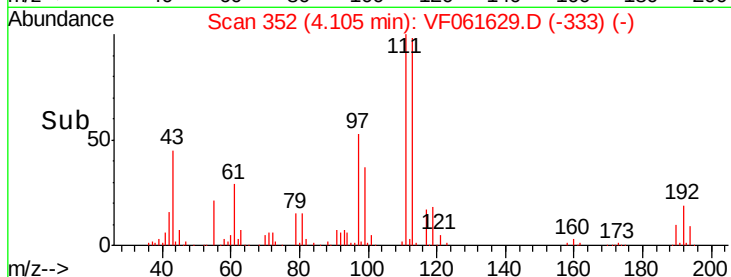
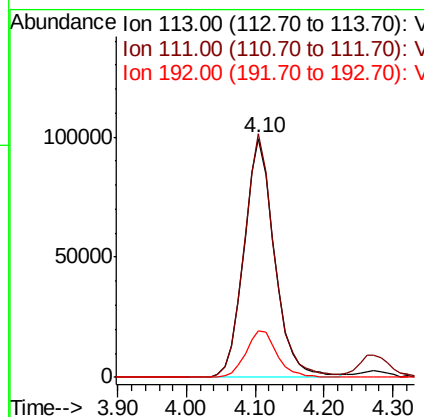
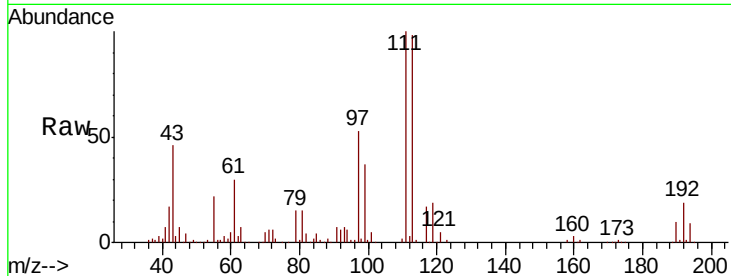
#35
Dibromofluoromethane
Concen: 96.740 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.01 min
Lab File: VF061629.D
Acq: 13 Feb 2019 18:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	305789		
111	102.0		78.8	118.2
192	19.5		13.4	20.0

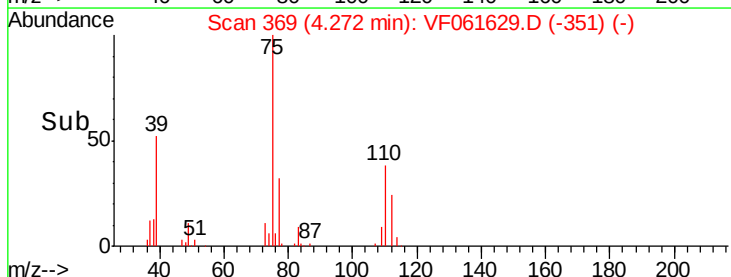
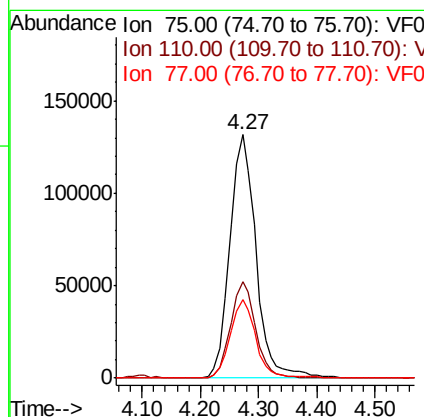
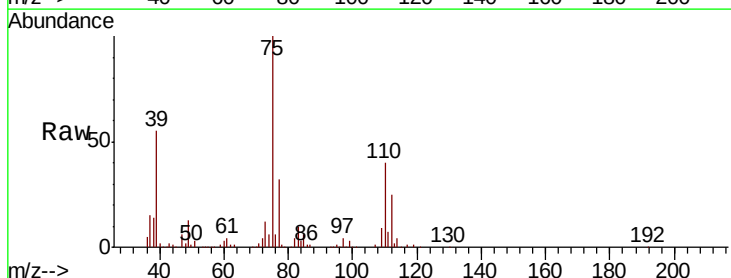
Manual Integrations
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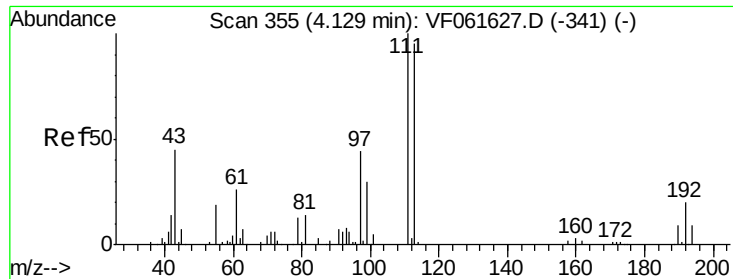
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#36
1,1-Dichloropropene
Concen: 91.735 ug/l
RT: 4.27 min Scan# 369
Delta R.T. -0.02 min
Lab File: VF061629.D
Acq: 13 Feb 2019 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	411607		
110	39.6		20.5	61.6
77	32.2		27.0	40.4





#37

Ethyl Acetate

Concen: 94.729 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.02 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

Instrument :

MSVOA_F

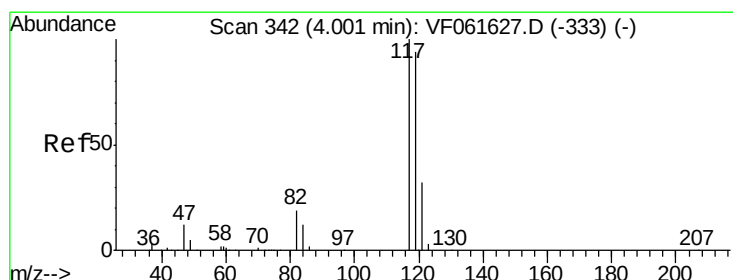
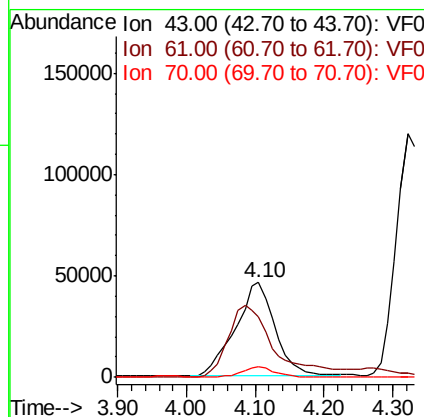
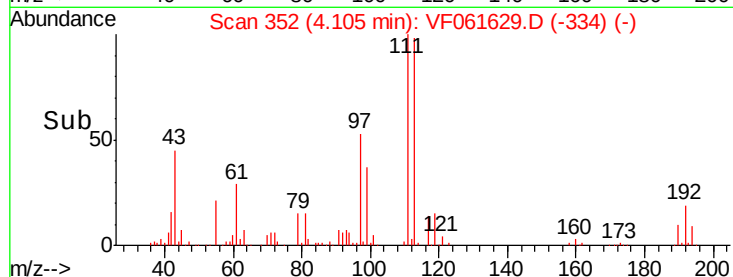
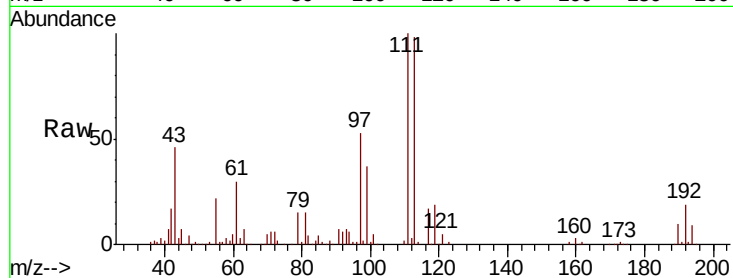
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	186871
Ion	Ratio	Lower	Upper
43	100		
61	64.0	45.7	68.5
70	11.0	8.5	12.7

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 82.278 ug/l

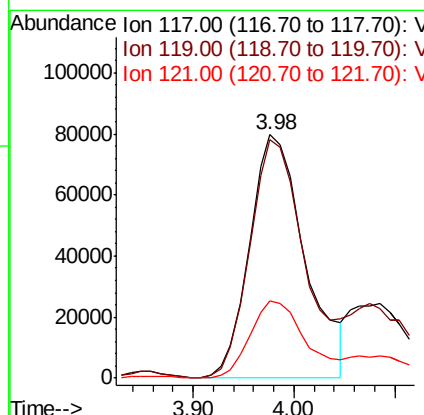
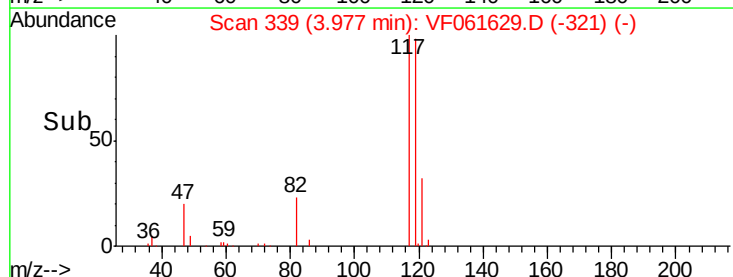
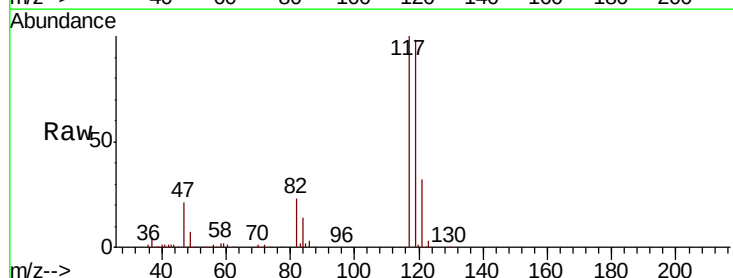
RT: 3.98 min Scan# 339

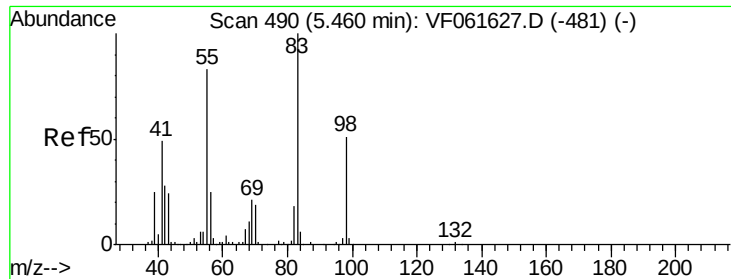
Delta R.T. -0.02 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

Tgt Ion:	117	Resp:	301934
Ion	Ratio	Lower	Upper
117	100		
119	98.2	75.6	113.4
121	31.6	25.2	37.8





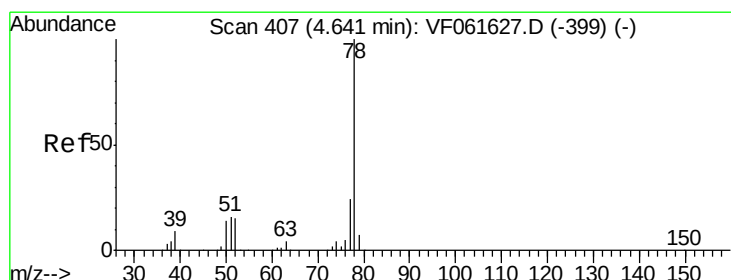
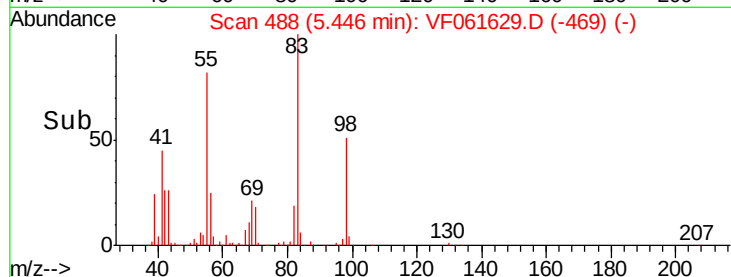
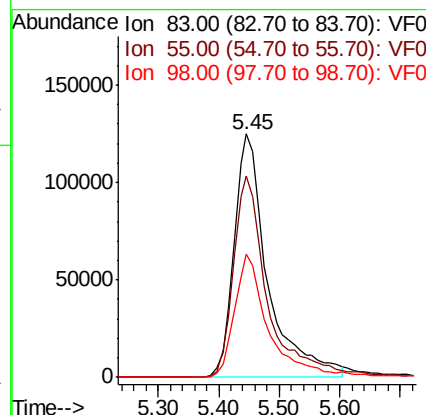
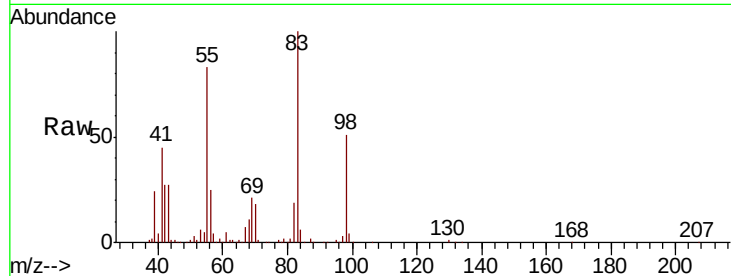
#39
Methylvlcyclohexane
Concen: 106.007 ug/l
RT: 5.45 min Scan# 488
Delta R.T. -0.01 min
Lab File: VF061629.D
Acq: 13 Feb 2019 18:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	483052		
55	82.6		66.6	99.8
98	50.6		40.4	60.6

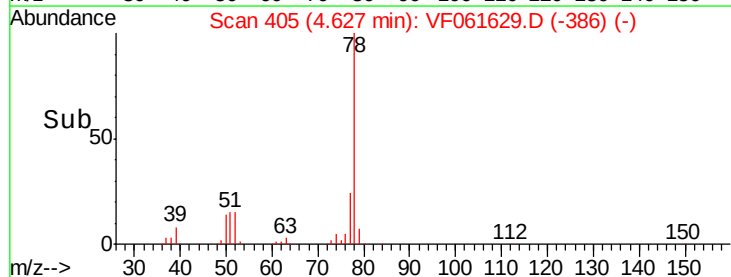
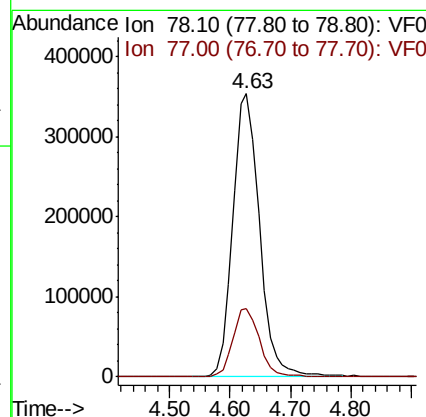
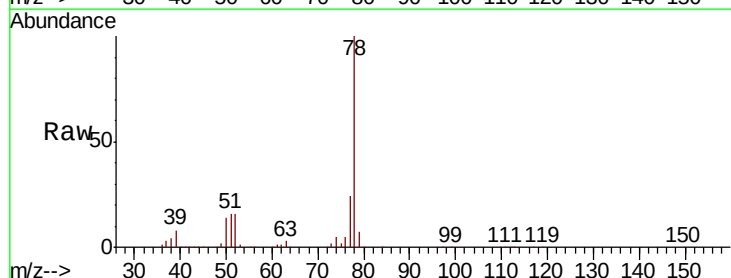
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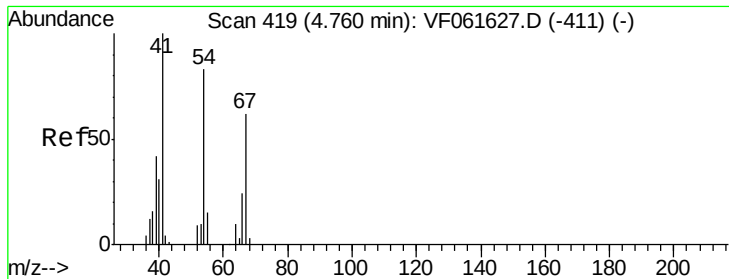
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#40
Benzene
Concen: 108.081 ug/l
RT: 4.63 min Scan# 405
Delta R.T. -0.01 min
Lab File: VF061629.D
Acq: 13 Feb 2019 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1086758		
77	24.0		19.0	28.6





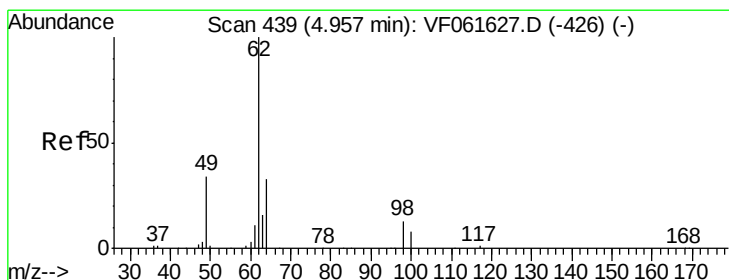
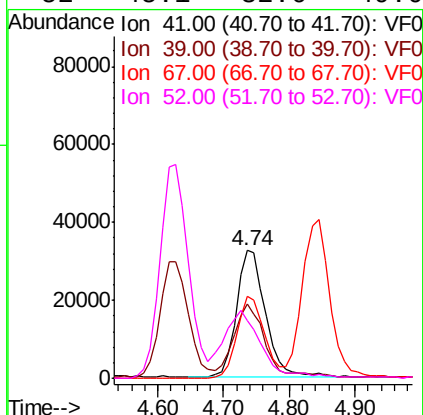
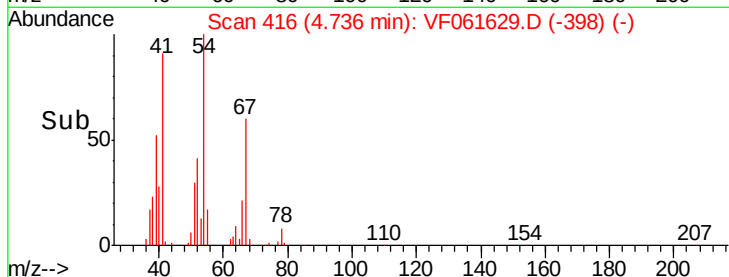
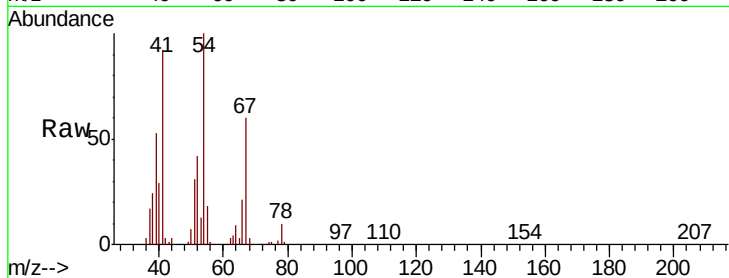
#41
Methacrylonitrile
Concen: 102.580 ug/l
RT: 4.74 min Scan# 416
Delta R.T. -0.02 min
Lab File: VF061629.D
Acq: 13 Feb 2019 18:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.8	45.3	67.9
67	64.5	49.3	73.9
52	45.1	32.6	49.0

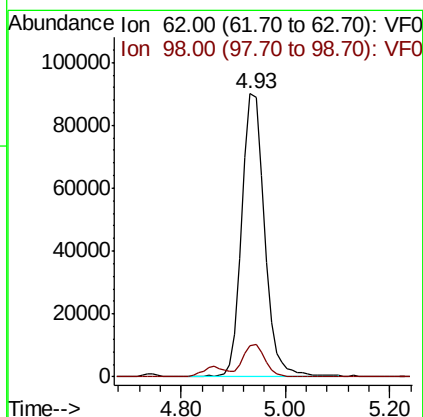
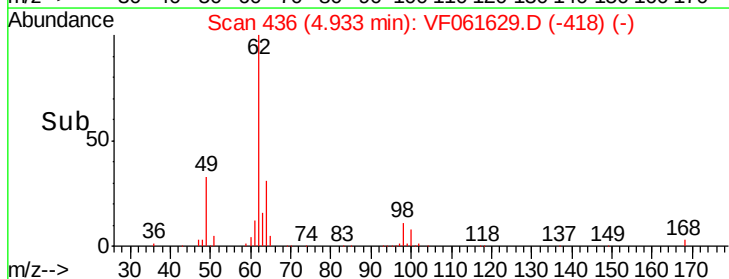
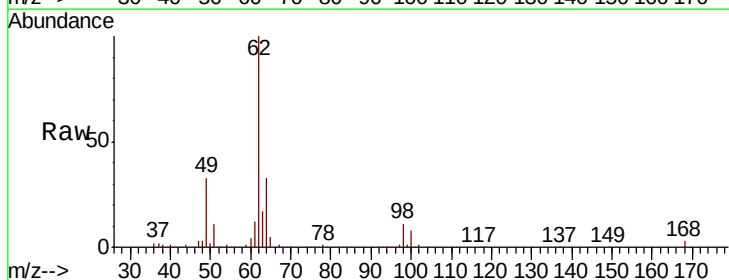
Manual Integrations
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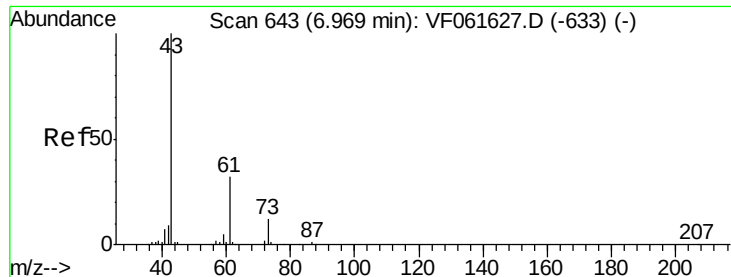
MMDadoda
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#42
1,2-Dichloroethane
Concen: 76.327 ug/l
RT: 4.93 min Scan# 436
Delta R.T. -0.02 min
Lab File: VF061629.D
Acq: 13 Feb 2019 18:32

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	26.0





#43

Isopropyl Acetate

Concen: 104.430 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.01 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

Instrument :

MSVOA_F

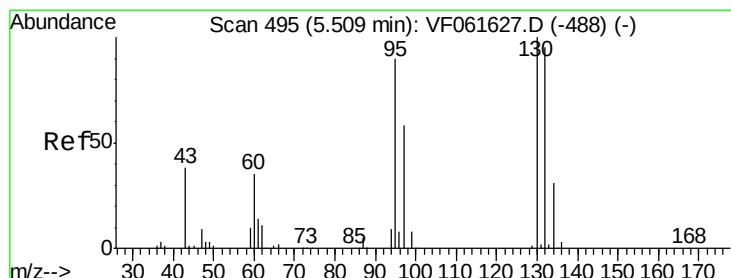
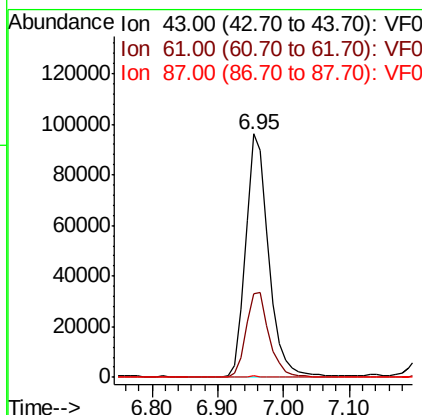
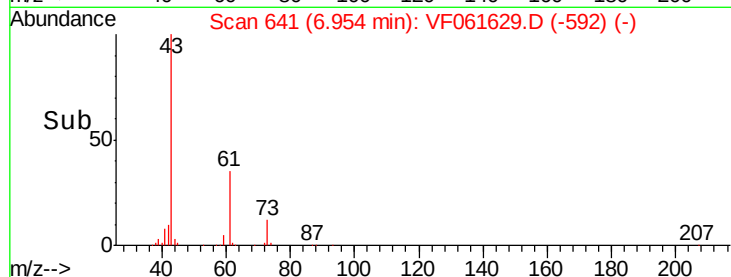
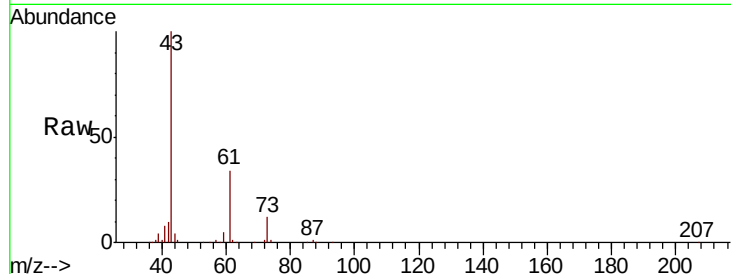
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	233867
Ion	Ratio	Lower	Upper
43	100		
61	34.2	25.8	38.6
87	0.5	0.4	0.6

Manual Integrations
APPROVED

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#44

Trichloroethene

Concen: 107.360 ug/l

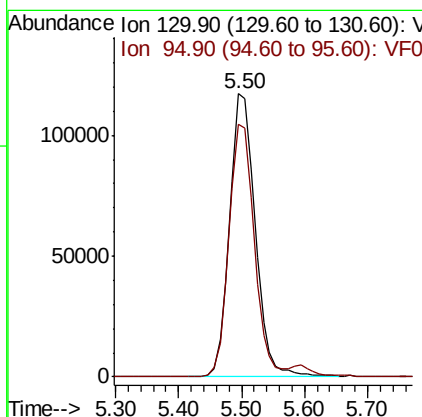
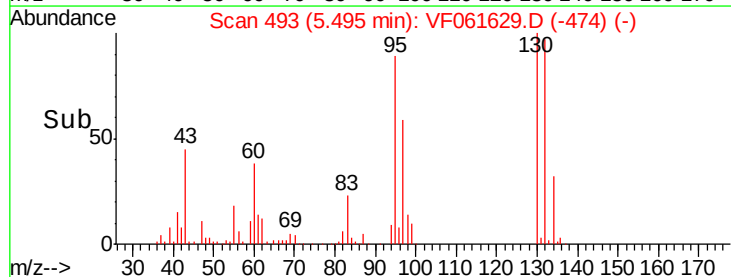
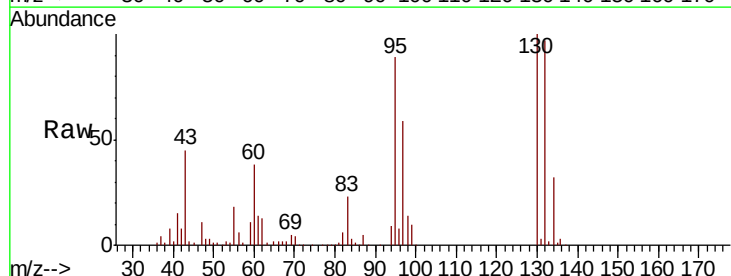
RT: 5.50 min Scan# 493

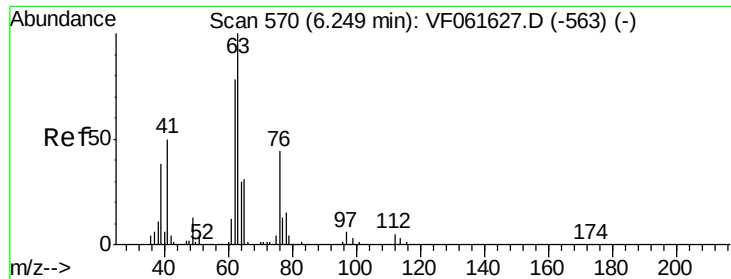
Delta R.T. -0.01 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

Tgt Ion:	130	Resp:	329721
Ion	Ratio	Lower	Upper
130	100		
95	89.5	0.0	179.4





#45

1,2-Dichloropropane

Concen: 110.897 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.01 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 287644

Ion Ratio Lower Upper

63 100

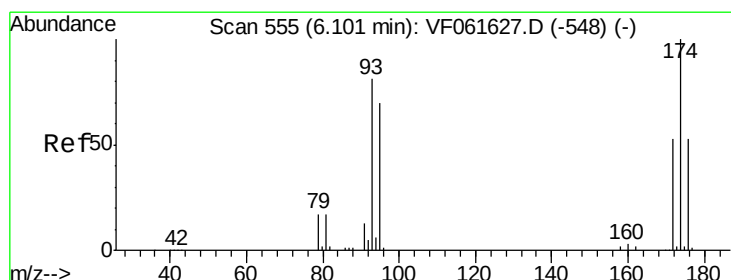
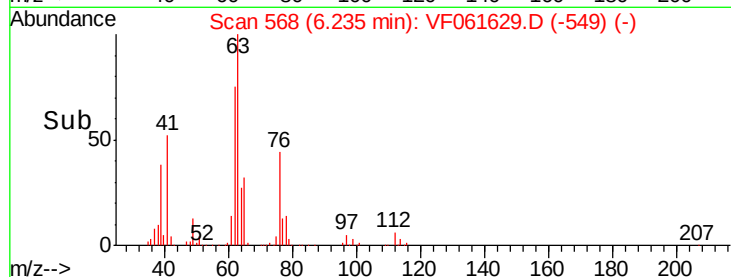
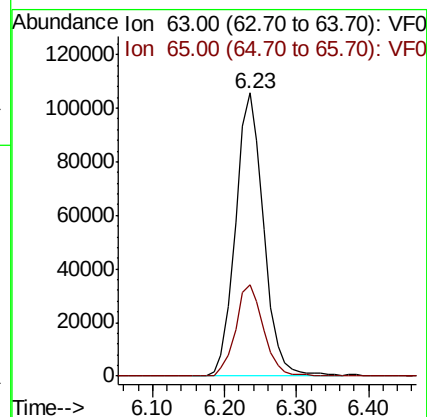
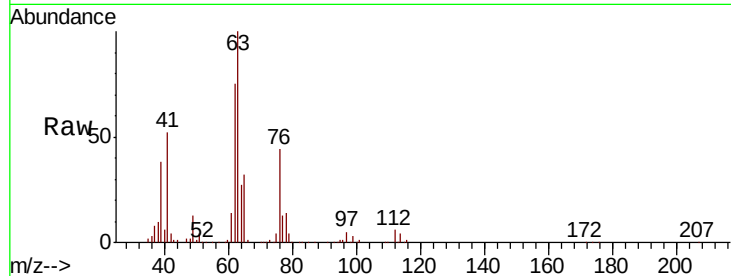
65 32.4 24.9 37.3

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#46

Dibromomethane

Concen: 103.119 ug/l

RT: 6.09 min Scan# 553

Delta R.T. -0.01 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

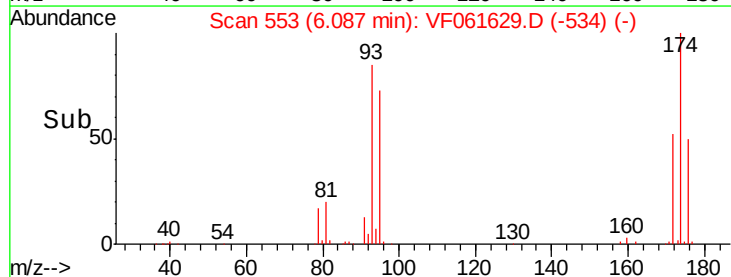
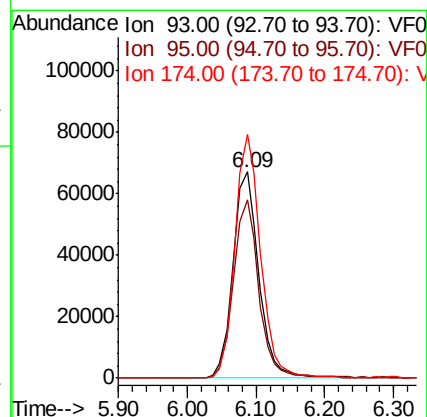
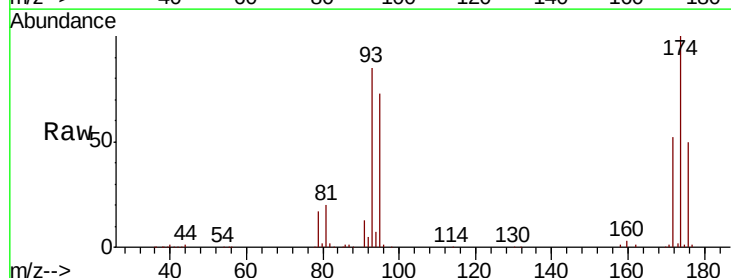
Tgt Ion: 93 Resp: 174717

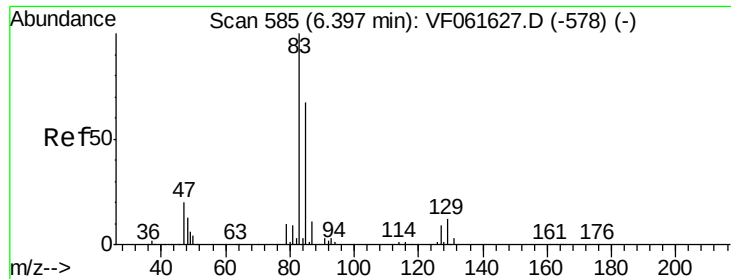
Ion Ratio Lower Upper

93 100

95 86.5 69.0 103.6

174 118.3 99.3 148.9





#47

Bromodichloromethane

Concen: 85.665 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.01 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

Instrument :

MSVOA_F

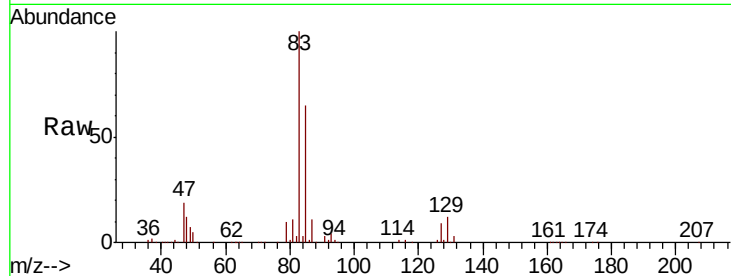
ClientSampleId :

VSTDIC100

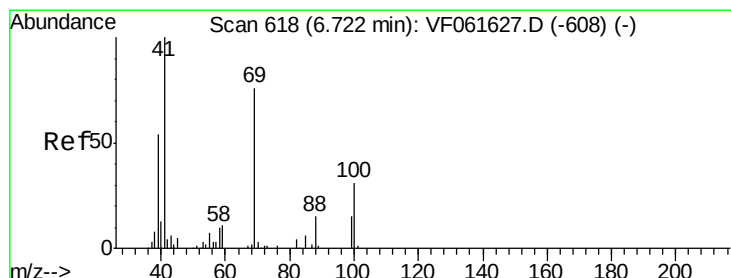
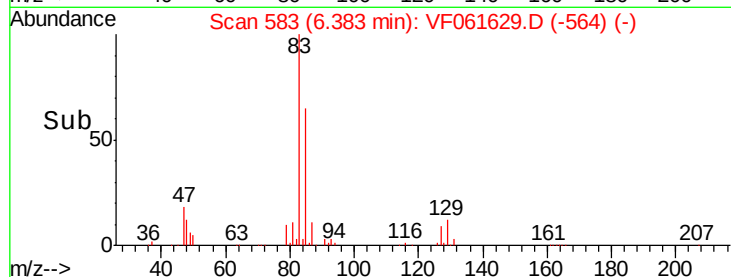
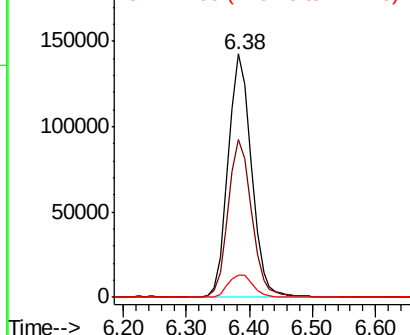
Tot Ion:	83	Resp:	366203
Ion	Ratio	Lower	Upper
83	100		
85	65.1	53.4	80.2
127	9.0	7.5	11.3

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Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 100.339 ug/l

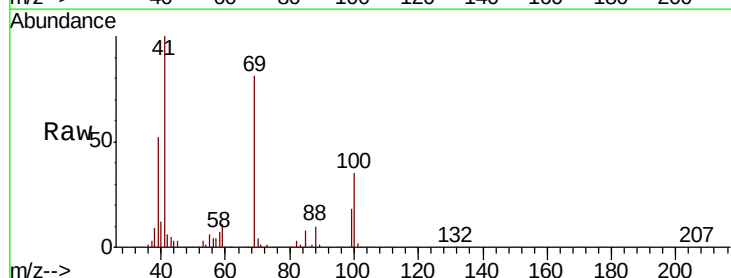
RT: 6.72 min Scan# 617

Delta R.T. -0.00 min

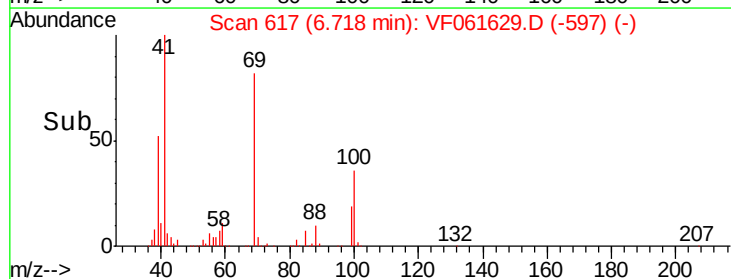
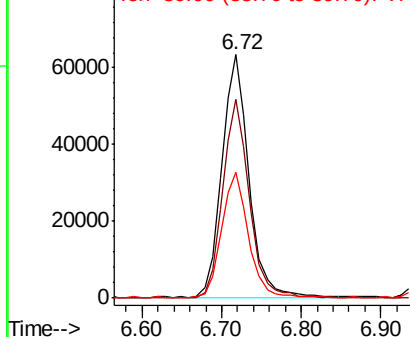
Lab File: VF061629.D

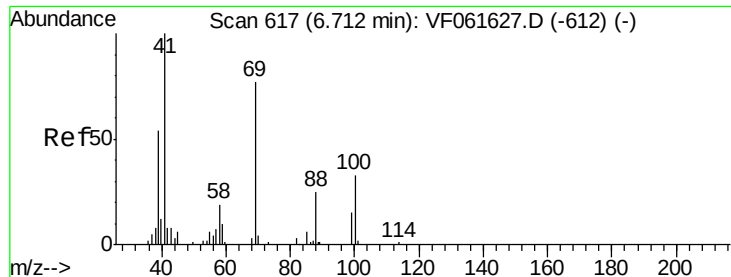
Acq: 13 Feb 2019 18:32

Tgt Ion:	41	Resp:	150117
Ion	Ratio	Lower	Upper
41	100		
69	81.4	60.4	90.6
39	51.7	43.7	65.5



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





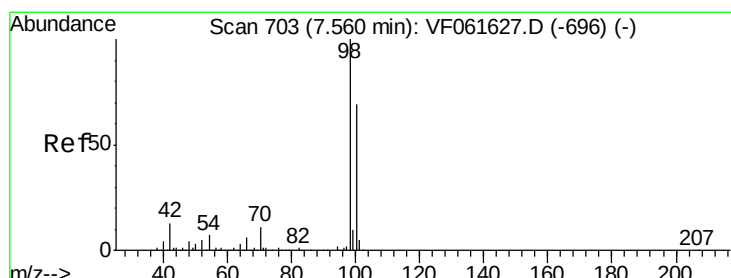
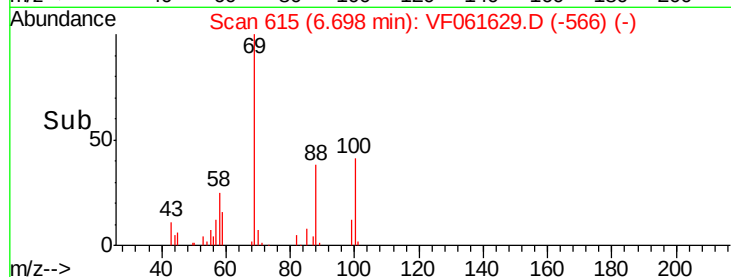
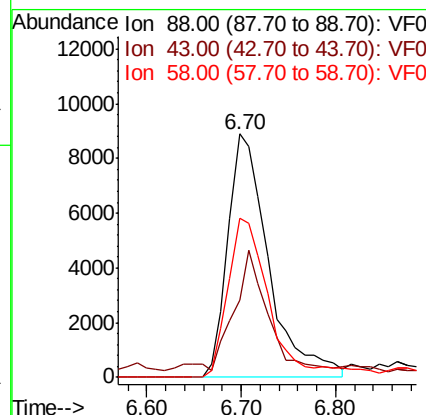
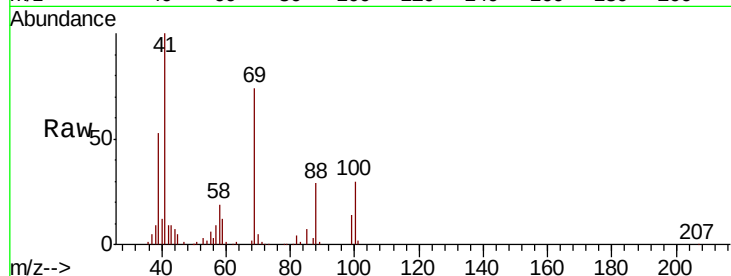
#49
1,4-Dioxane
Concen: 2541.936 ug/l
RT: 6.70 min Scan# 615
Delta R.T. -0.01 min
Lab File: VF061629.D
Acq: 13 Feb 2019 18:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	31.9	32.3	48.5#	
58	65.4	59.4	89.2	

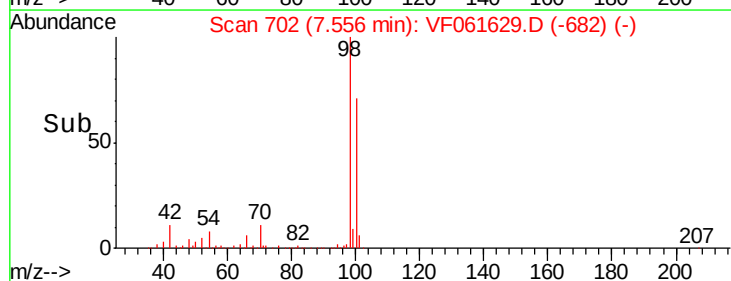
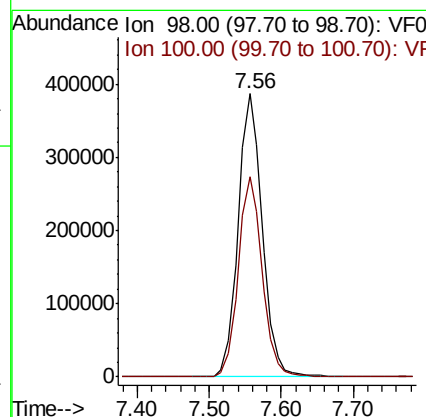
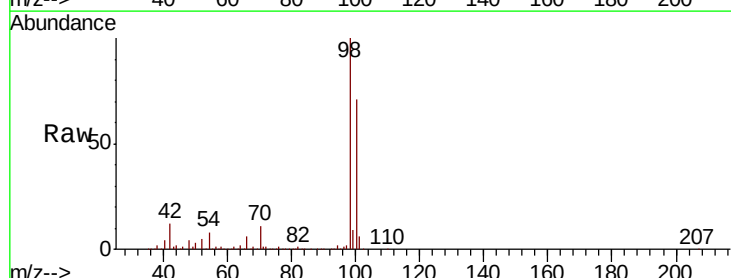
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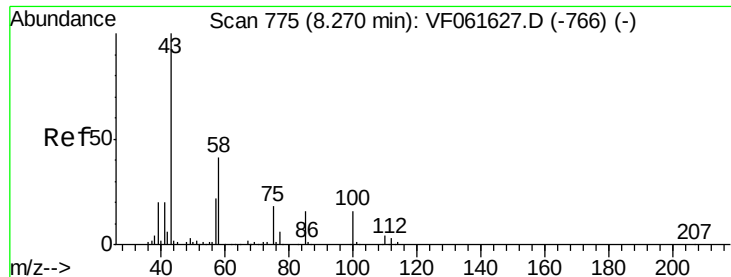
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#50
Toluene-d8
Concen: 104.709 ug/l
RT: 7.56 min Scan# 702
Delta R.T. -0.00 min
Lab File: VF061629.D
Acq: 13 Feb 2019 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	70.8	55.4	83.2	





#51

4-Methyl-2-Pentanone

Concen: 465.901 ug/l

RT: 8.27 min Scan# 774

Delta R.T. -0.00 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 784766

Ion Ratio Lower Upper

43 100

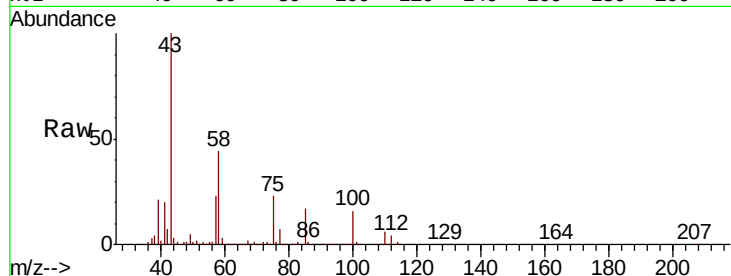
58 43.6 33.1 49.7

Manual Integrations

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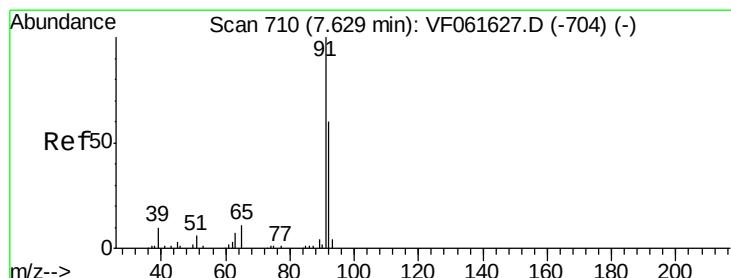
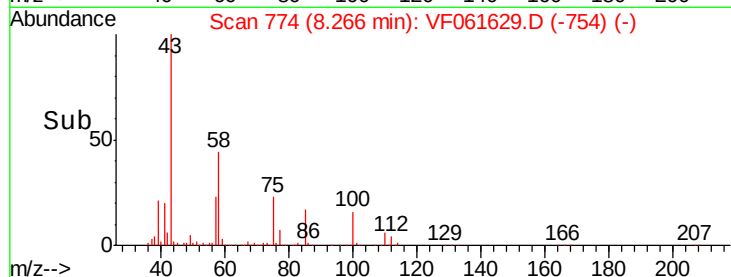
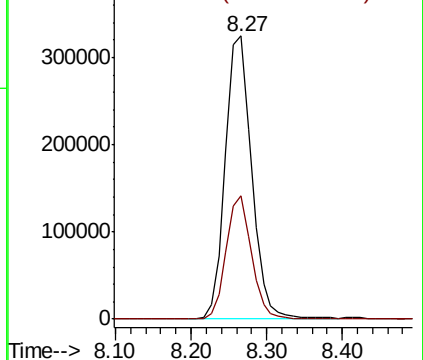
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 107.298 ug/l

RT: 7.63 min Scan# 709

Delta R.T. -0.00 min

Lab File: VF061629.D

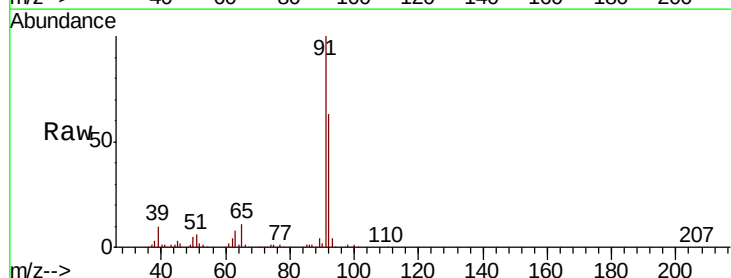
Acq: 13 Feb 2019 18:32

Tgt Ion: 92 Resp: 673655

Ion Ratio Lower Upper

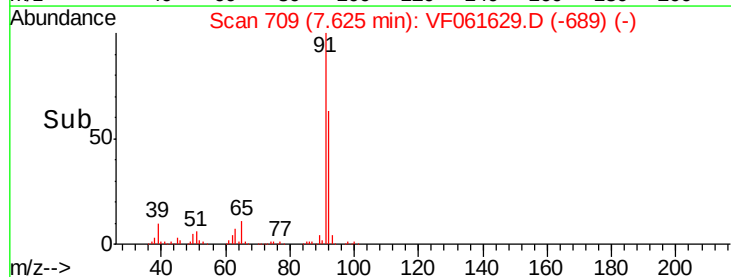
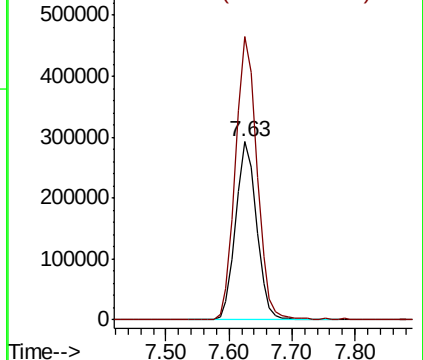
92 100

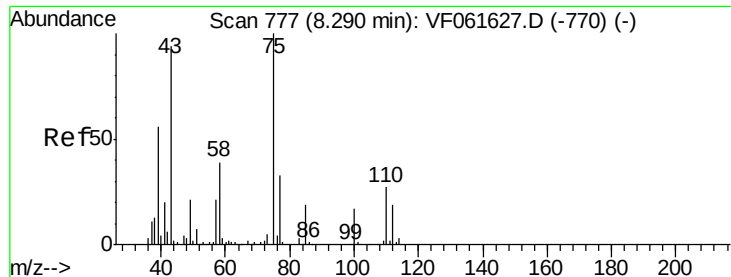
91 158.9 133.9 200.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 94.738 ug/l

RT: 8.29 min Scan# 776

Delta R.T. -0.00 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 313413

Ion Ratio Lower Upper

75 100

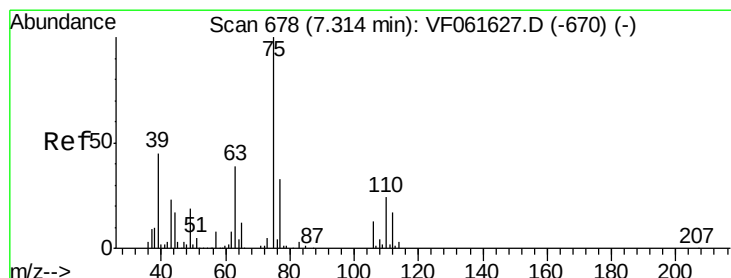
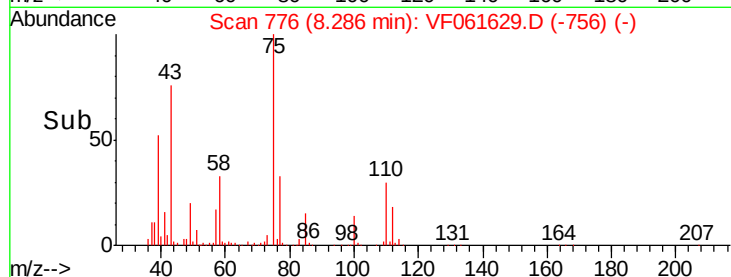
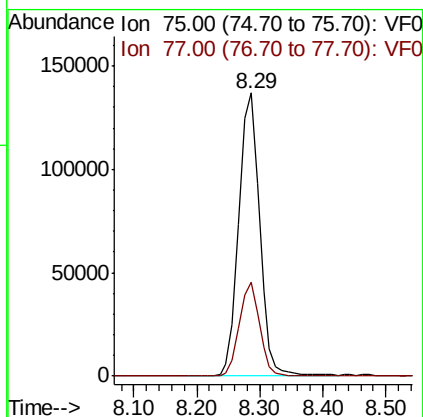
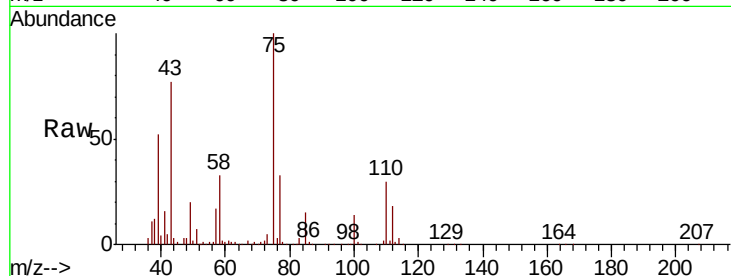
77 33.2 26.2 39.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 101.408 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.01 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

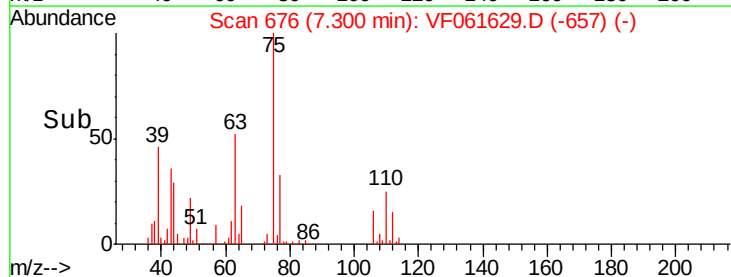
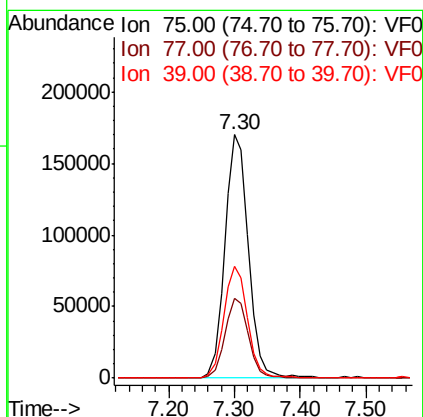
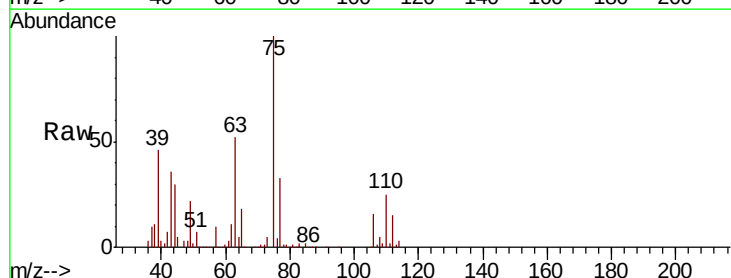
Tgt Ion: 75 Resp: 425171

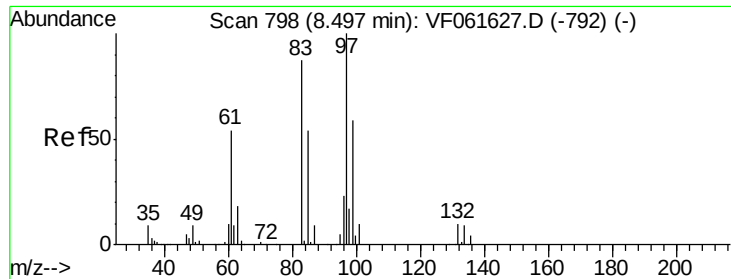
Ion Ratio Lower Upper

75 100

77 32.9 26.4 39.6

39 45.7 36.0 54.0





#55

1,1,2-Trichloroethane

Concen: 101.146 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

Instrument :

MSVOA_F

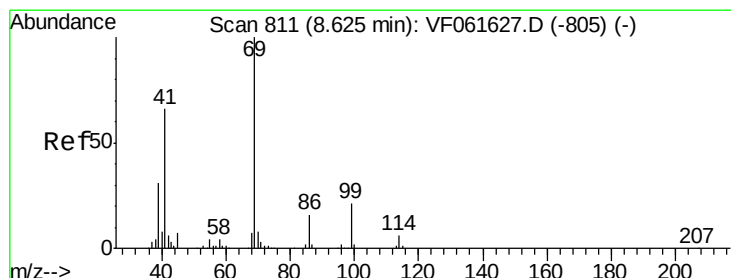
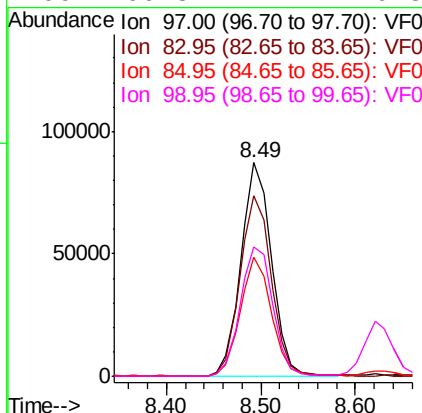
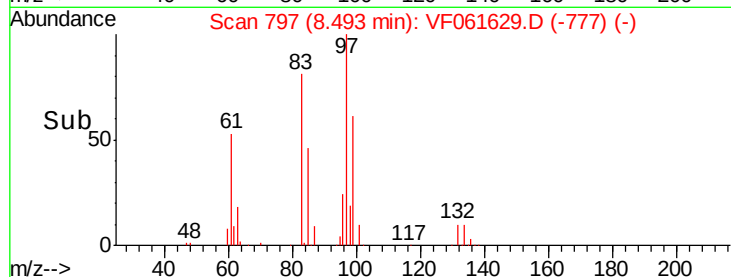
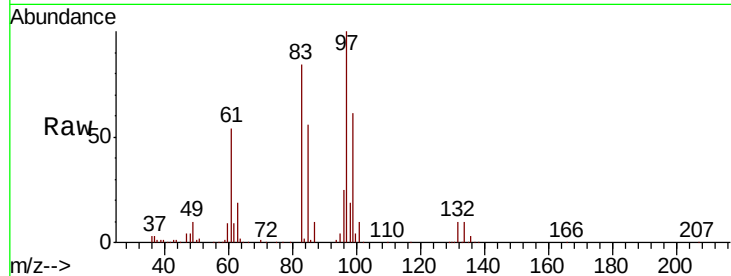
ClientSampleId :

VSTDIC100

Tot Ion:	97	Resp:	196455
Ion	Ratio	Lower	Upper
97	100		
83	84.3	69.2	103.8
85	55.9	43.0	64.4
99	60.8	47.2	70.8

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#56

Ethyl methacrylate

Concen: 104.194 ug/l

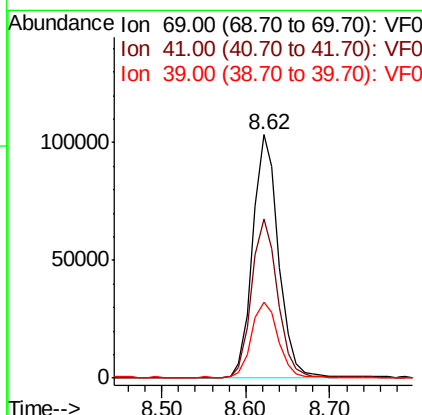
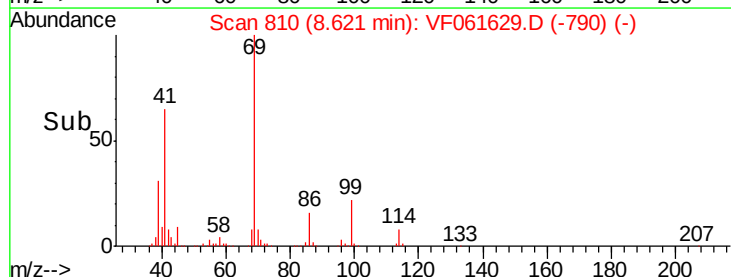
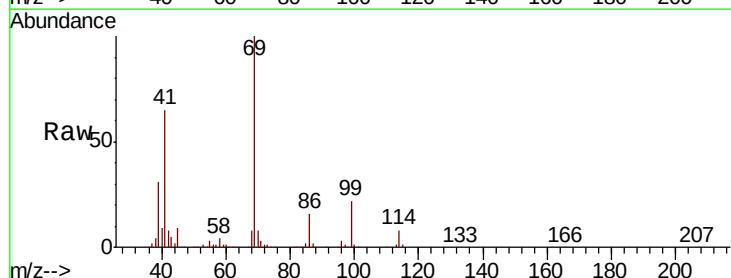
RT: 8.62 min Scan# 810

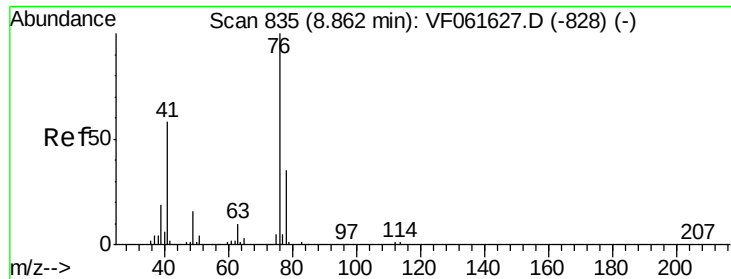
Delta R.T. -0.00 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

Tgt Ion:	69	Resp:	224358
Ion	Ratio	Lower	Upper
69	100		
41	65.4	52.9	79.3
39	31.1	24.5	36.7





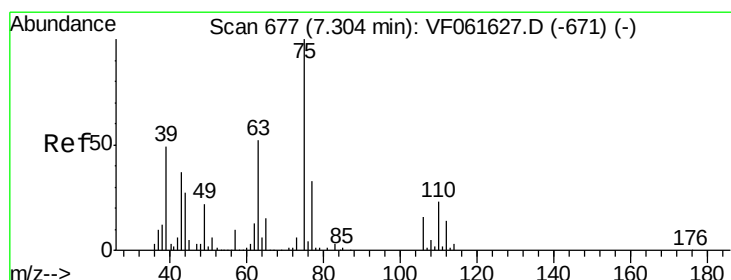
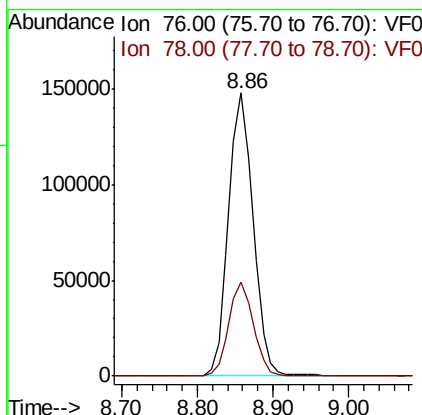
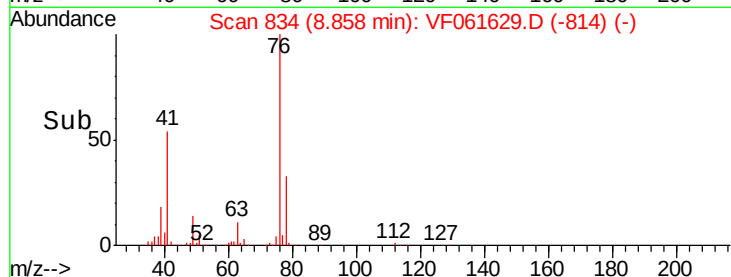
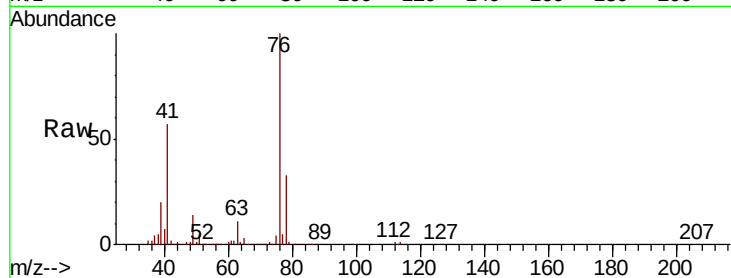
#57
 1,3-Dichloropropane
 Concen: 99.368 ug/l
 RT: 8.86 min Scan# 834
 Delta R.T. -0.00 min
 Lab File: VF061629.D
 Acq: 13 Feb 2019 18:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 335972
 Ion Ratio Lower Upper
 76 100
 78 33.2 27.8 41.6

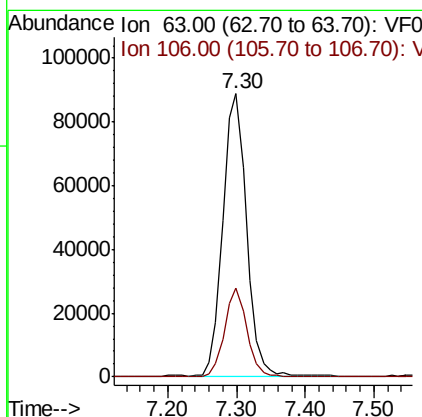
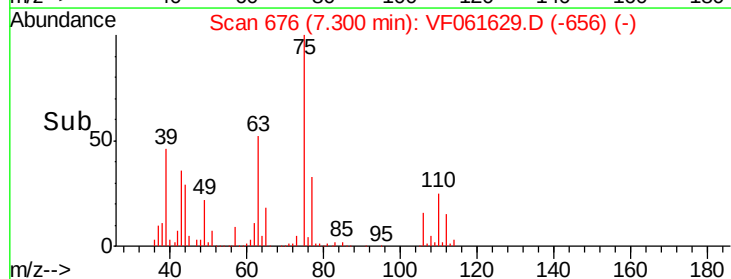
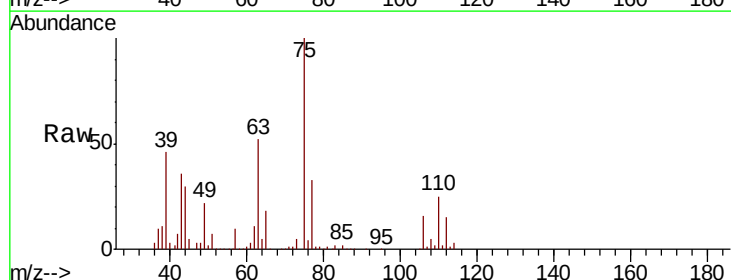
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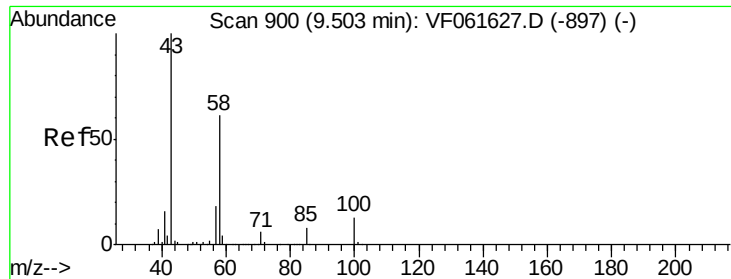
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#58
 2-Chloroethyl Vinyl ether
 Concen: 578.457 ug/l
 RT: 7.30 min Scan# 676
 Delta R.T. -0.00 min
 Lab File: VF061629.D
 Acq: 13 Feb 2019 18:32

Tgt Ion: 63 Resp: 210110
 Ion Ratio Lower Upper
 63 100
 106 31.2 24.6 36.8





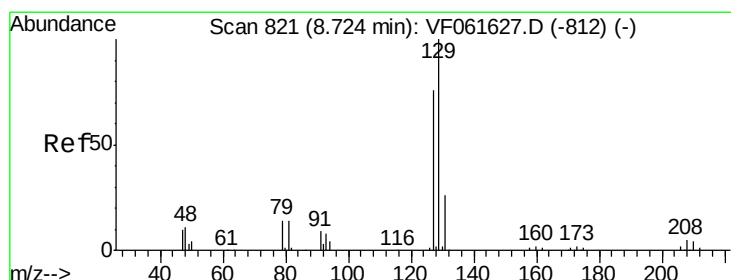
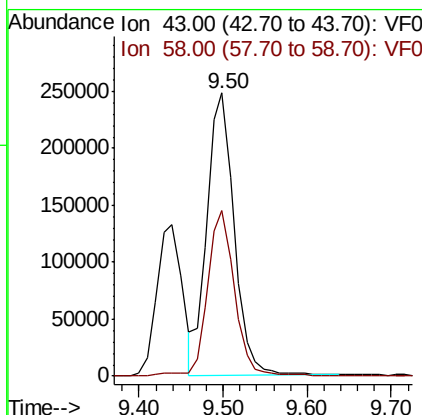
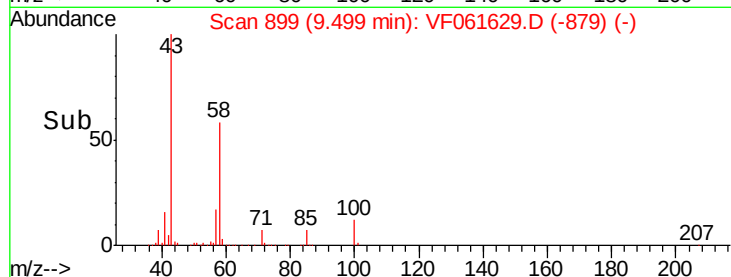
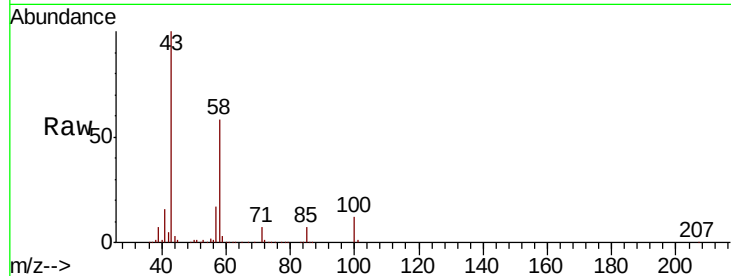
#59
2-Hexanone
Concen: 486.503 ug/l
RT: 9.50 min Scan# 899
Delta R.T. -0.00 min
Lab File: VF061629.D
Acq: 13 Feb 2019 18:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.4	28.5	85.5

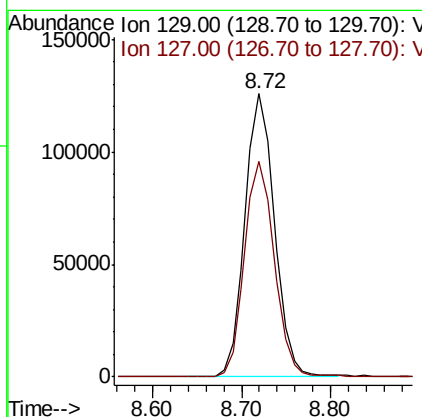
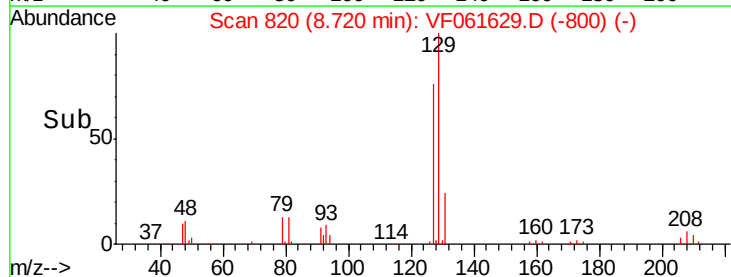
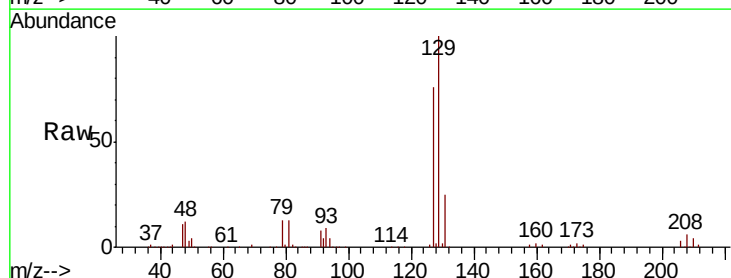
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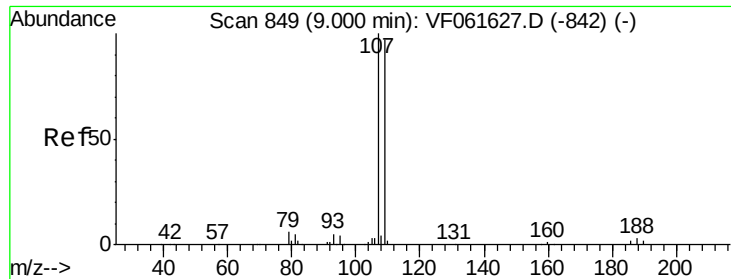
MMDadoda
2/14/2019 12:42:12 PM



#60
Dibromochloromethane
Concen: 107.314 ug/l
RT: 8.72 min Scan# 820
Delta R.T. -0.00 min
Lab File: VF061629.D
Acq: 13 Feb 2019 18:32

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.2	37.8	113.4





#61

1,2-Dibromoethane

Concen: 108.751 ug/l

RT: 8.99 min Scan# 847

Delta R.T. -0.01 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 220292

Ion Ratio Lower Upper

107 100

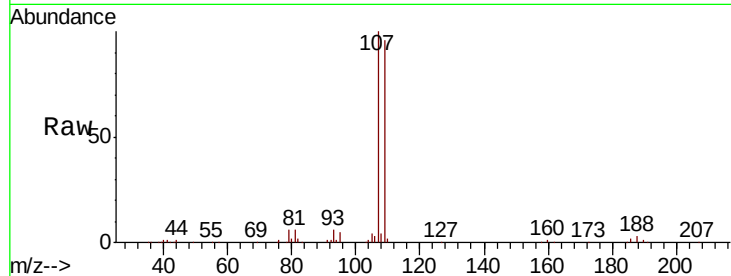
109 96.3 77.4 116.0

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.99

100000

80000

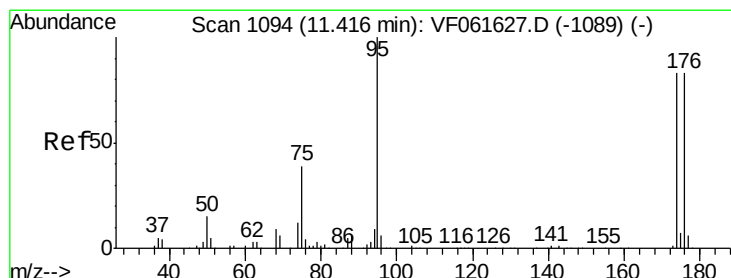
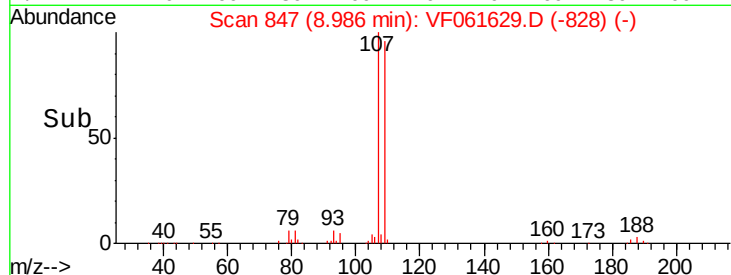
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 94.421 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

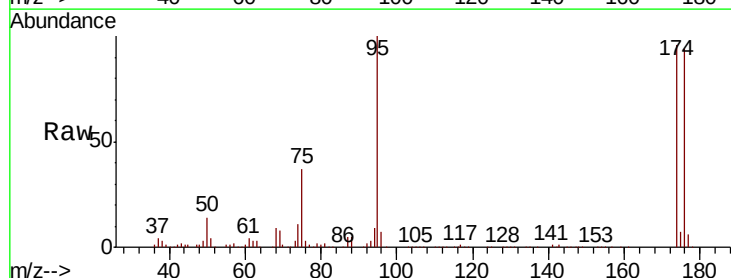
Tgt Ion: 95 Resp: 360678

Ion Ratio Lower Upper

95 100

174 96.2 0.0 165.8

176 94.2 0.0 167.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.42

250000

200000

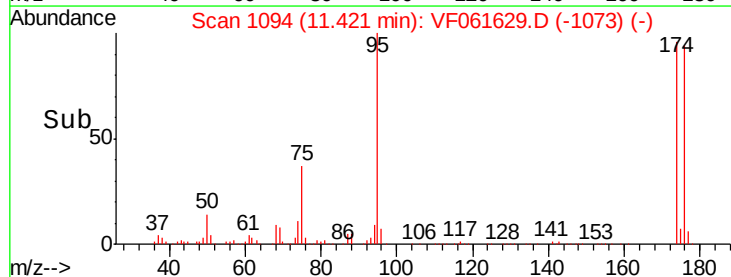
150000

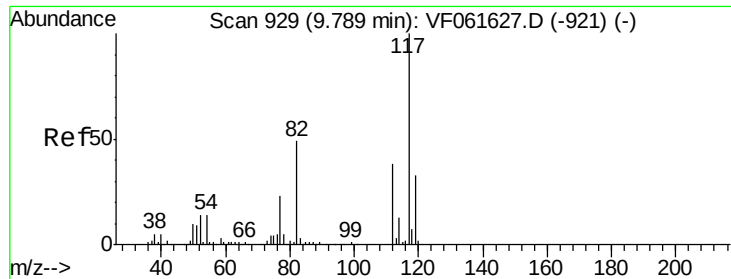
100000

50000

0

Time-->





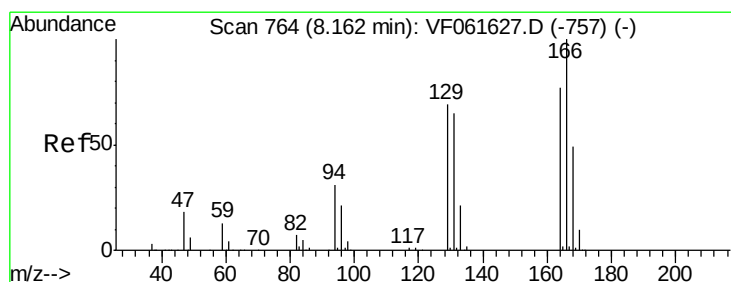
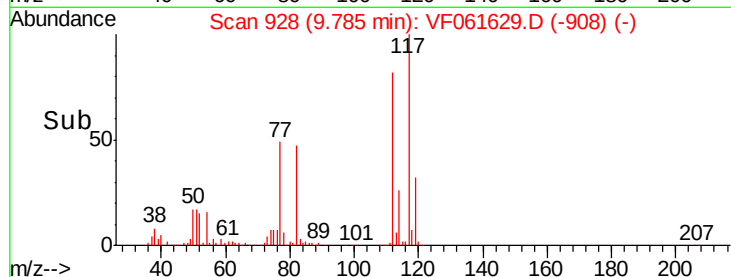
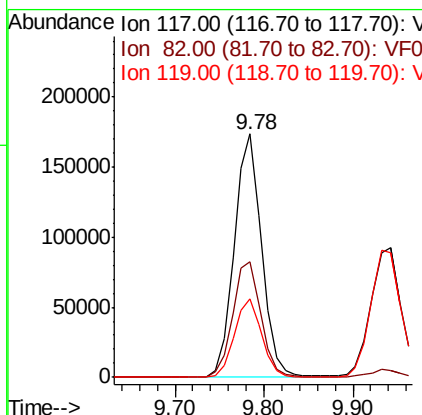
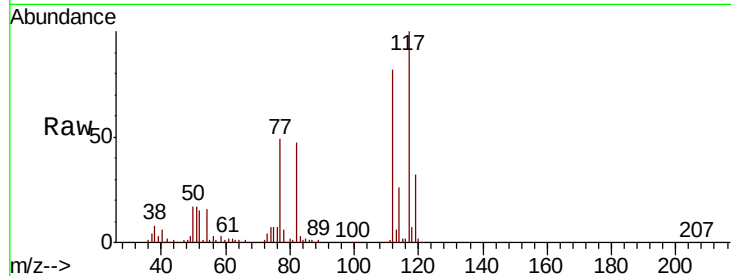
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.00 min
Lab File: VF061629.D
Acq: 13 Feb 2019 18:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	373593		
82	47.4		39.3	58.9
119	32.3		26.6	40.0

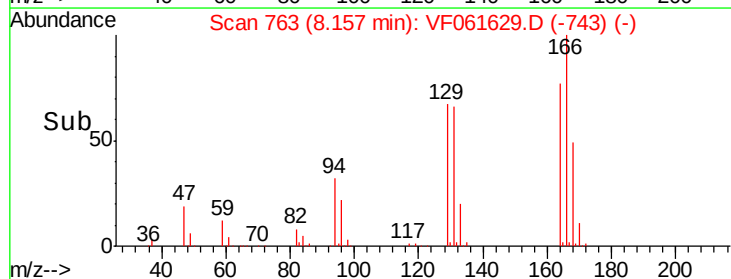
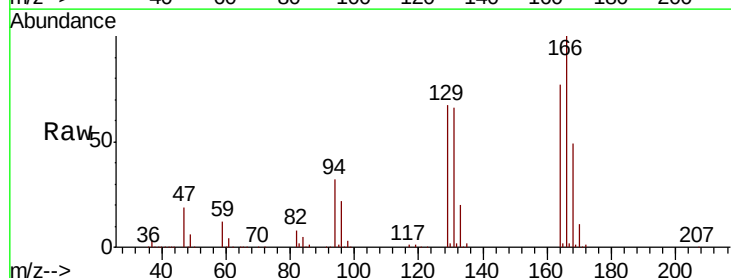
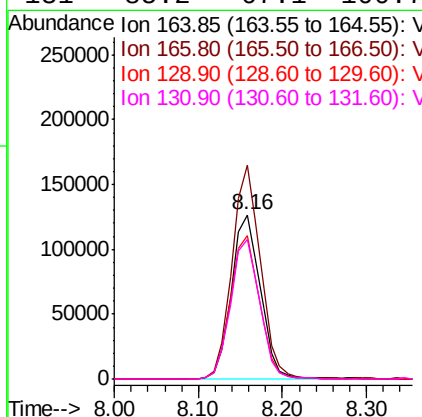
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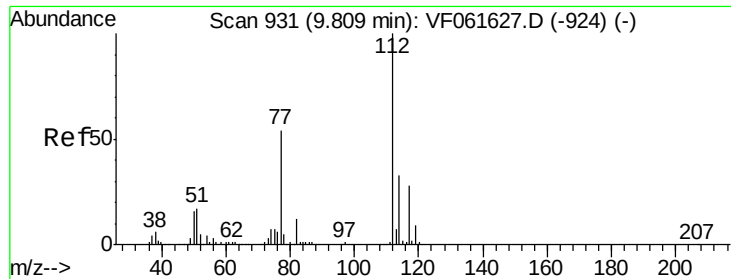
MMDadoda
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#64
Tetrachloroethene
Concen: 106.998 ug/l
RT: 8.16 min Scan# 763
Delta R.T. -0.00 min
Lab File: VF061629.D
Acq: 13 Feb 2019 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	302456		
166	129.8		103.9	155.9
129	87.1		71.3	106.9
131	85.2		67.1	100.7





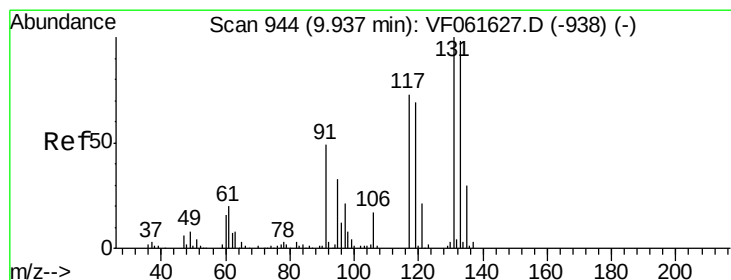
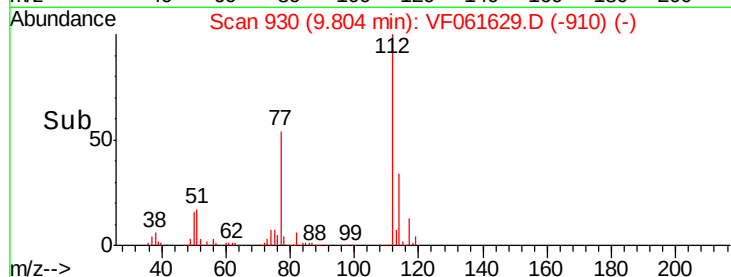
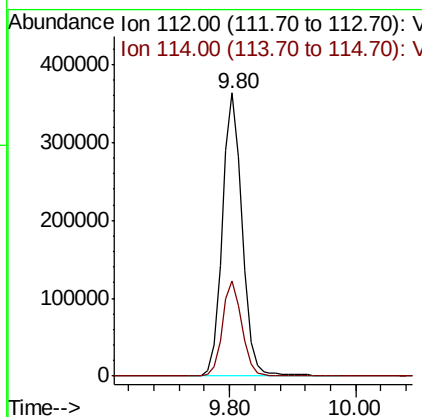
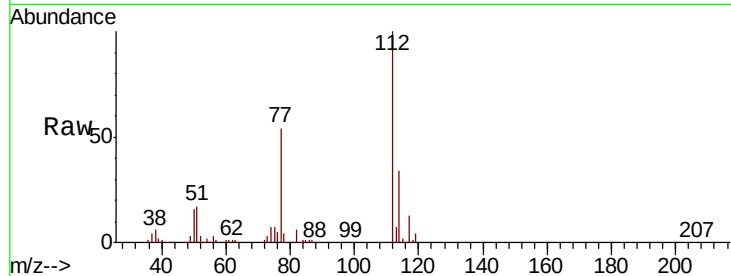
#65
Chlorobenzene
Concen: 109.643 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.00 min
Lab File: VF061629.D
Acq: 13 Feb 2019 18:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.7	26.2	39.2

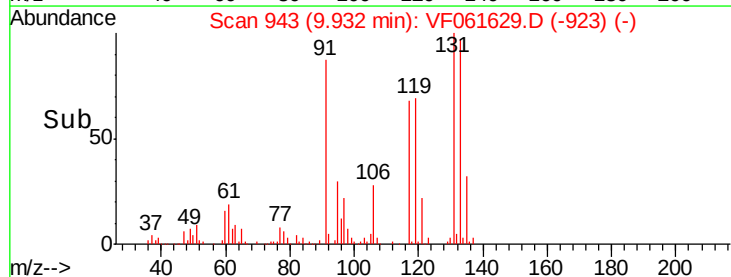
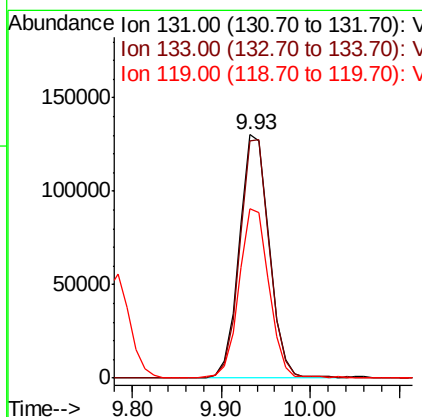
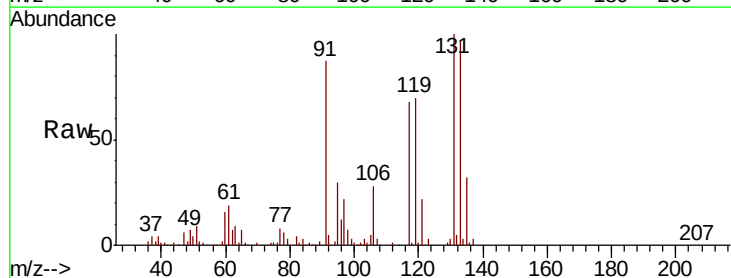
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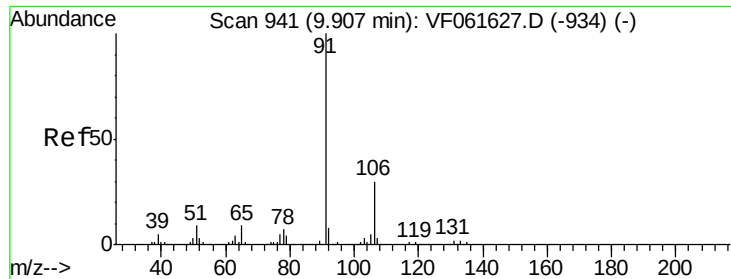
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#66
1,1,1,2-Tetrachloroethane
Concen: 101.097 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.00 min
Lab File: VF061629.D
Acq: 13 Feb 2019 18:32

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.5	48.9	146.6
119	69.6	34.8	104.3





#67

Ethyl Benzene

Concen: 94.220 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.00 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1246460

Ion Ratio Lower Upper

91 100

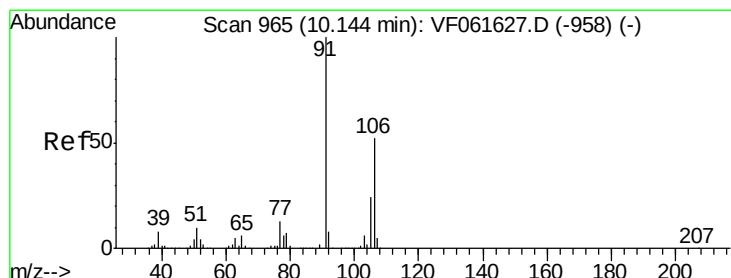
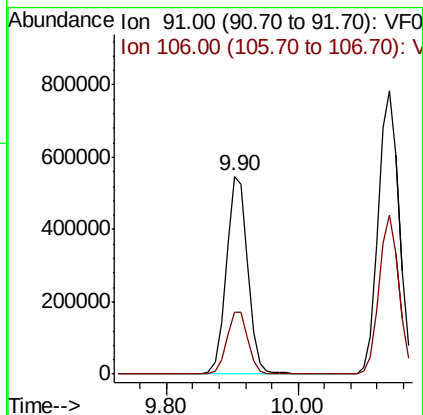
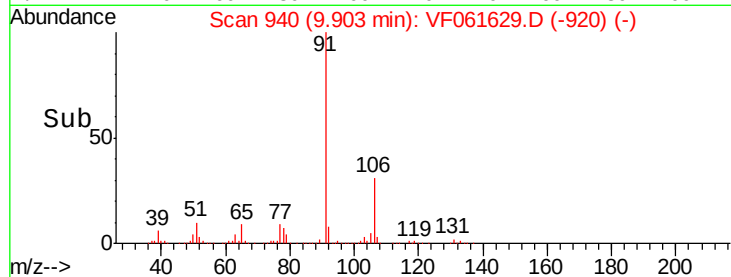
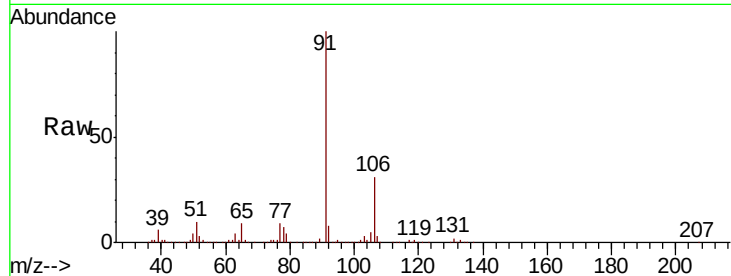
106 31.2 24.1 36.1

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#68

m/p-Xylenes

Concen: 206.240 ug/l

RT: 10.14 min Scan# 964

Delta R.T. -0.00 min

Lab File: VF061629.D

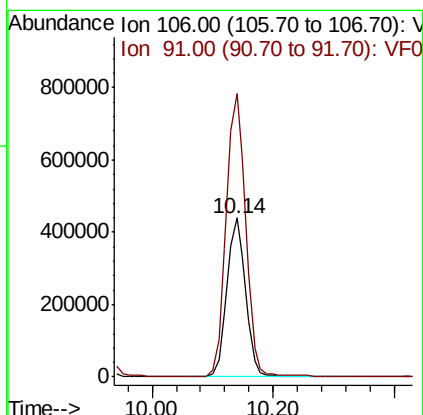
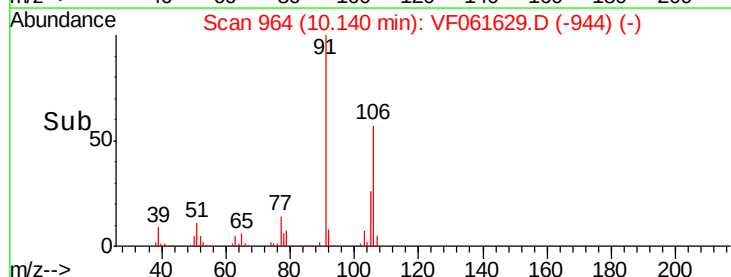
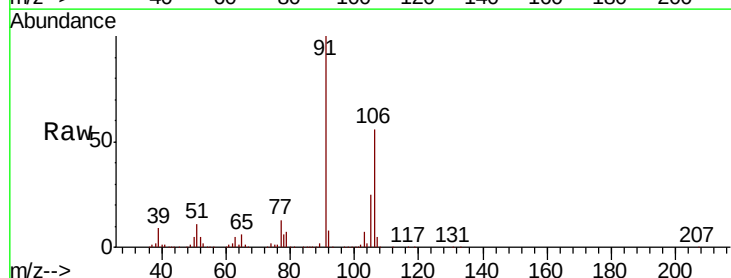
Acq: 13 Feb 2019 18:32

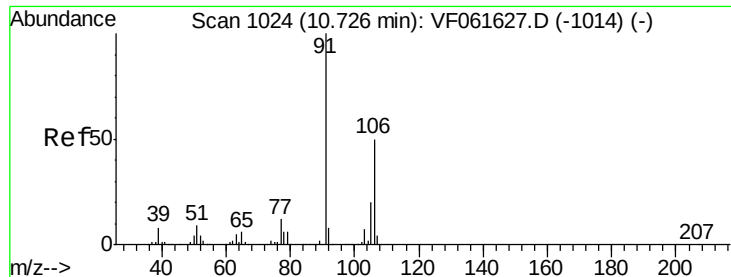
Tgt Ion: 106 Resp: 946584

Ion Ratio Lower Upper

106 100

91 177.9 153.0 229.6





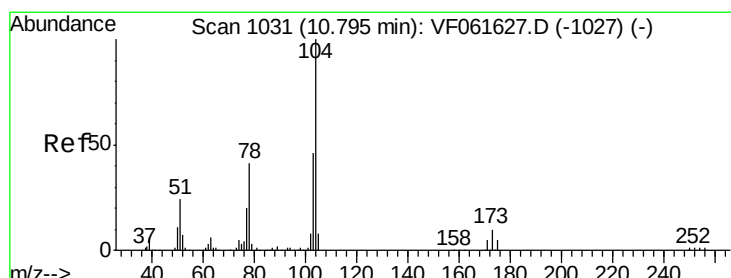
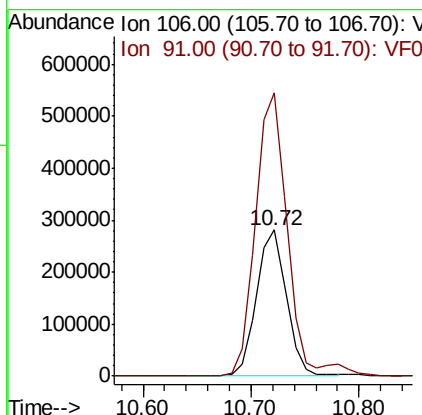
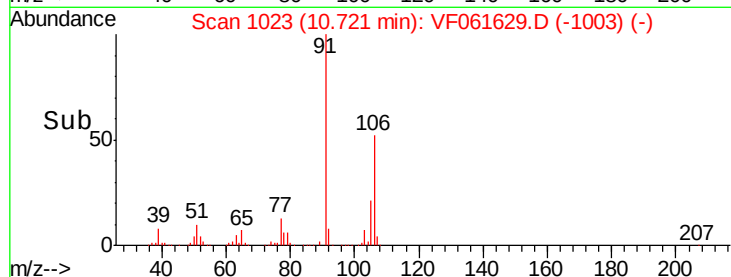
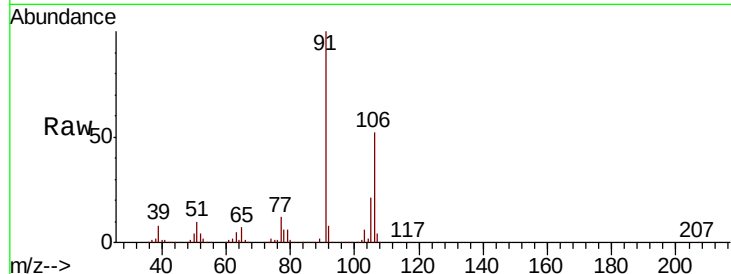
#69
o-Xylene
Concen: 106.427 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.00 min
Lab File: VF061629.D
Acq: 13 Feb 2019 18:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	194.0	100.1	538703	300.1	

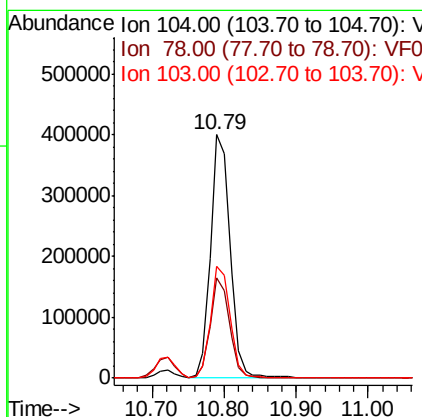
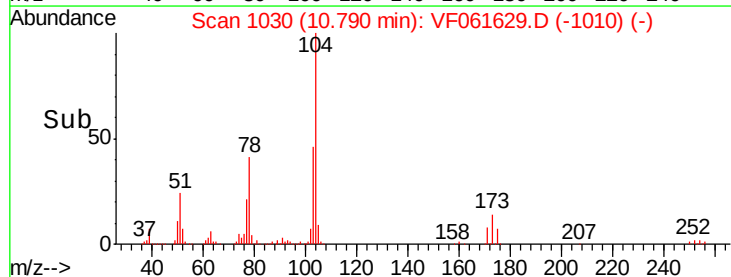
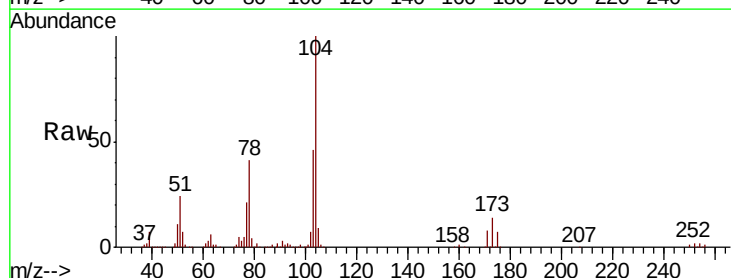
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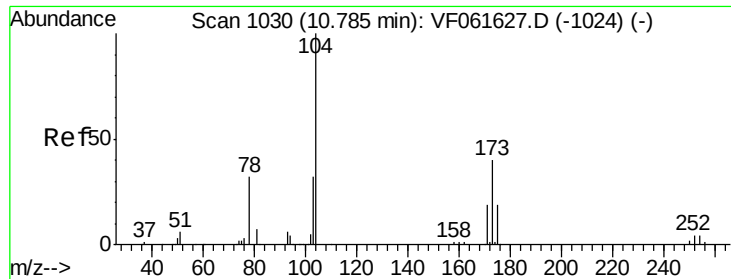
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#70
Styrene
Concen: 106.692 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VF061629.D
Acq: 13 Feb 2019 18:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	41.1	33.2	747828	49.8	
103	46.2	37.2		55.8	





#71

Bromoform

Concen: 117.473 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 166632

Ion Ratio Lower Upper

173 100

175 48.7 24.0 72.0

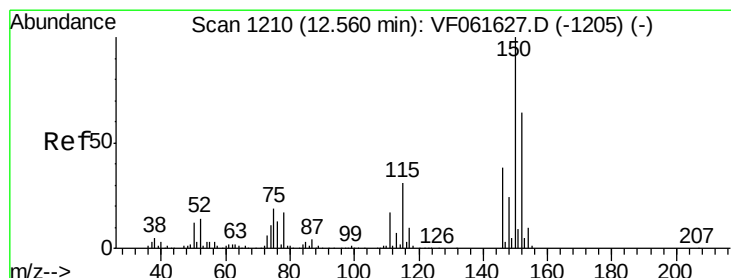
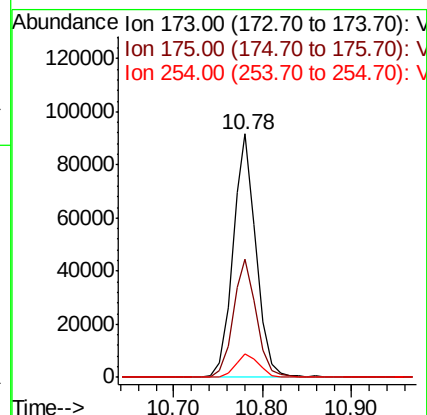
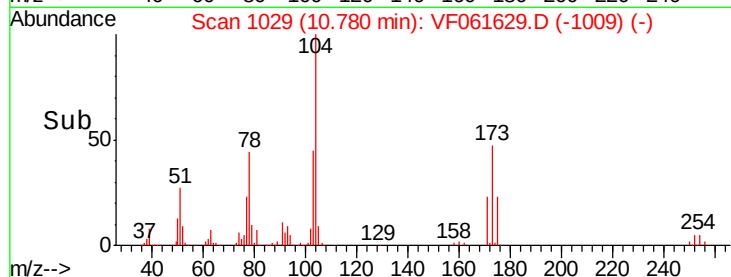
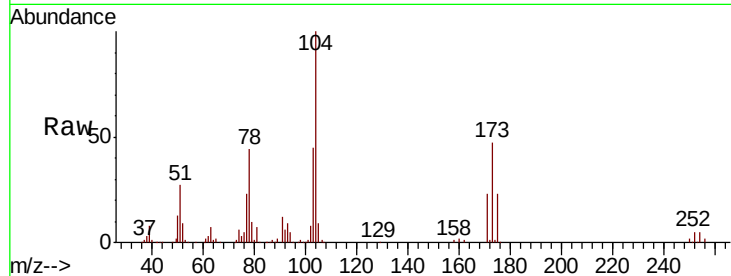
254 9.9 8.2 12.2

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

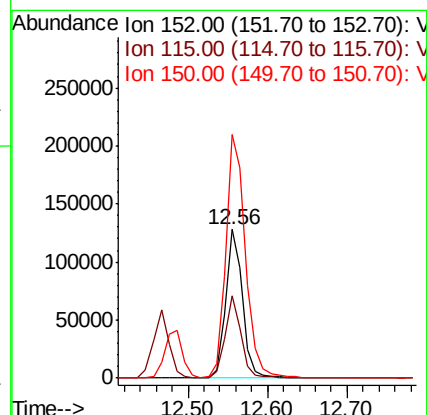
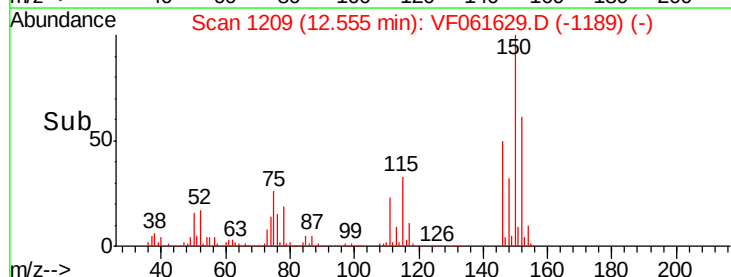
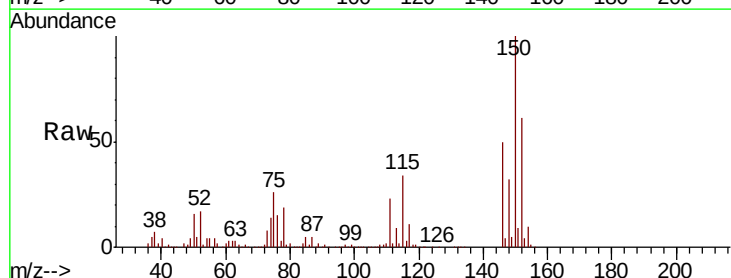
Tgt Ion:152 Resp: 190603

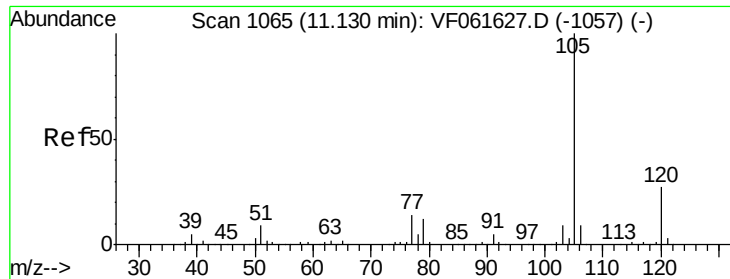
Ion Ratio Lower Upper

152 100

115 55.0 24.3 72.8

150 163.8 0.0 312.0





#73

Isopropylbenzene

Concen: 94.023 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1385228

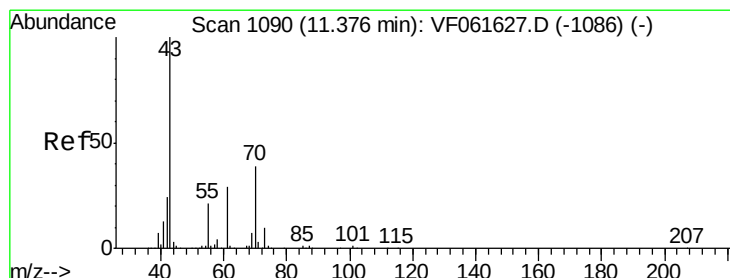
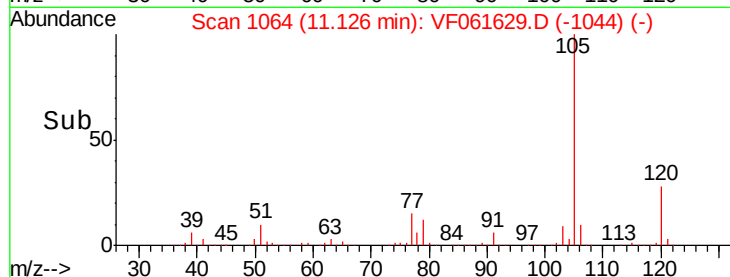
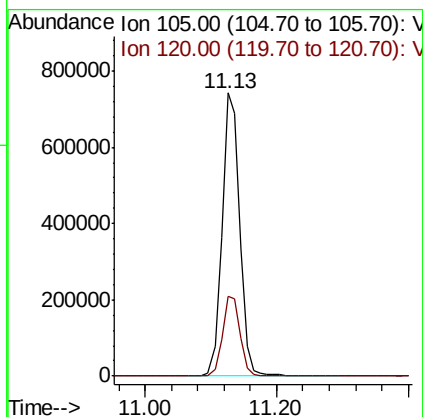
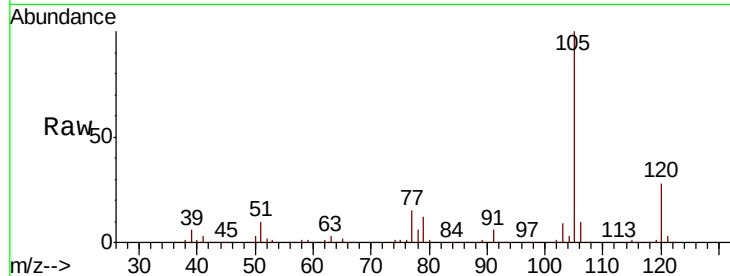
Ion Ratio Lower Upper

105 100

120 28.4 13.4 40.1

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#74

N-ethyl acetate

Concen: 92.421 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

Tgt Ion: 43 Resp: 342843

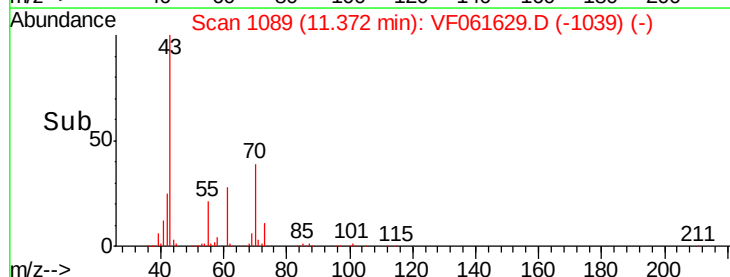
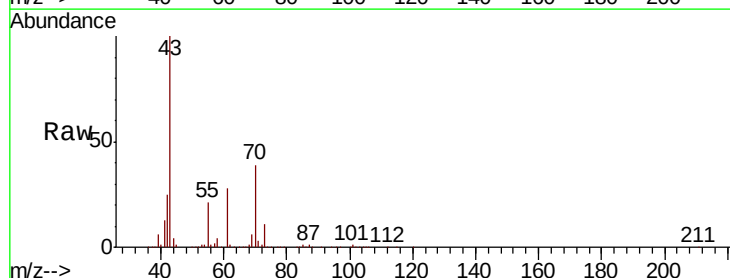
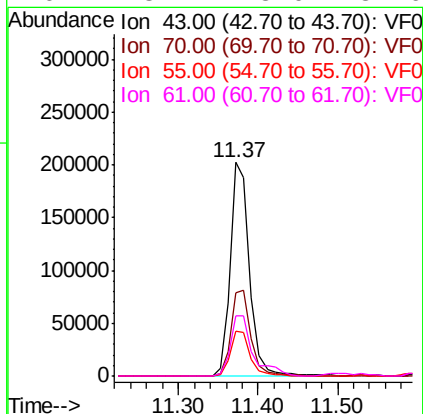
Ion Ratio Lower Upper

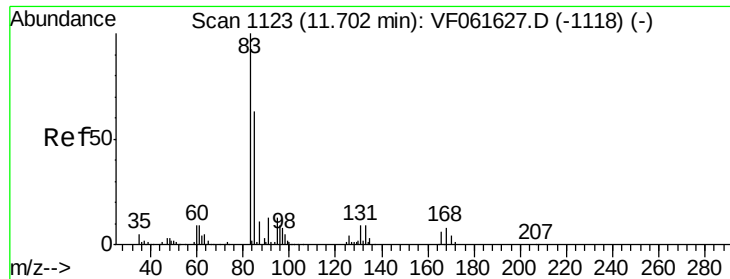
43 100

70 38.7 31.5 47.3

55 20.9 16.7 25.1

61 28.2 23.0 34.6





#75

1,1,2,2-Tetrachloroethane

Concen: 93.018 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

Instrument :

MSVOA_F

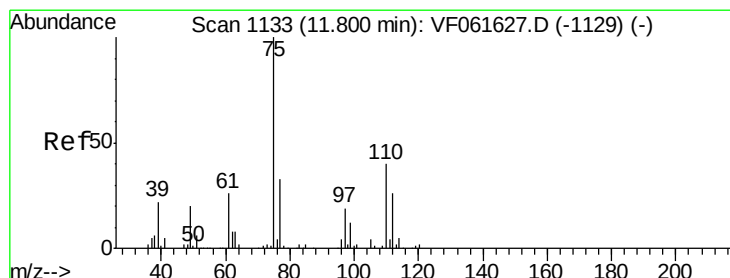
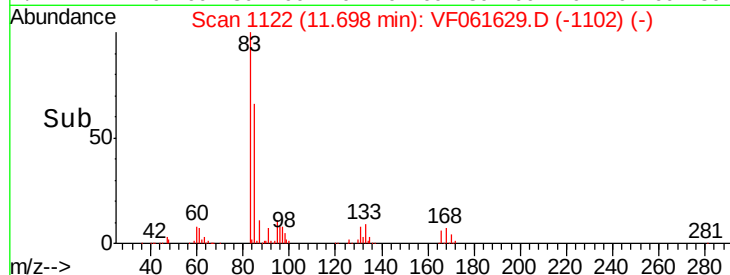
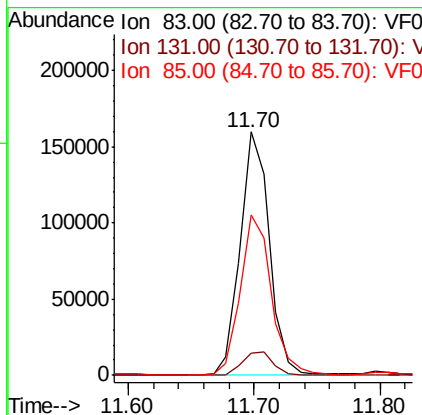
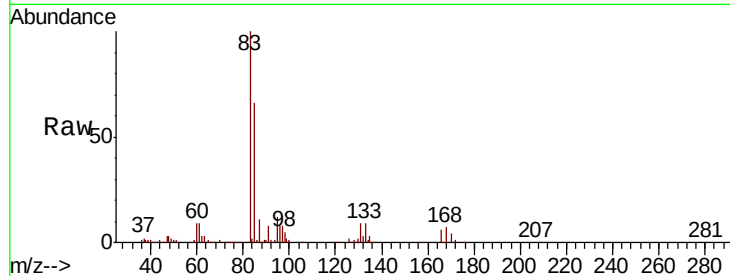
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	255800
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.4	13.2
85	65.7	31.5	94.5

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#76

1,2,3-Trichloropropane

Concen: 87.878 ug/l

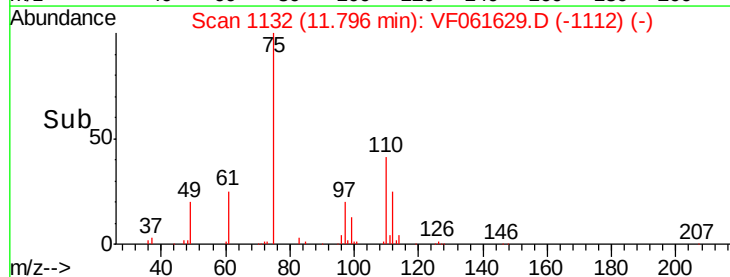
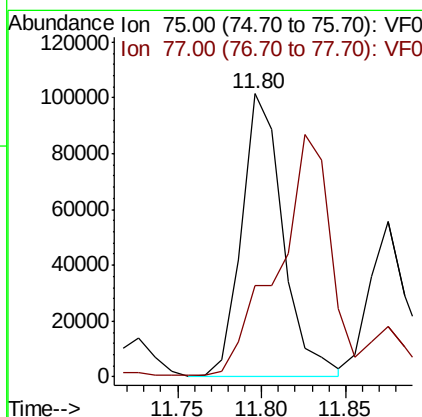
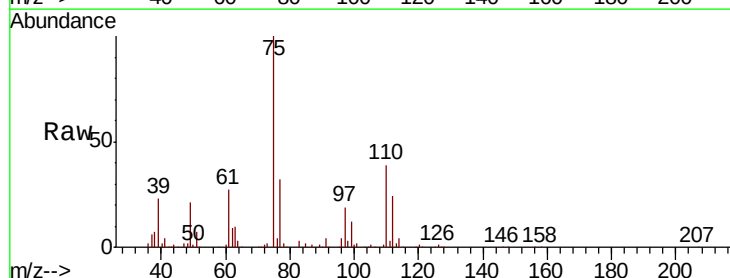
RT: 11.80 min Scan# 1132

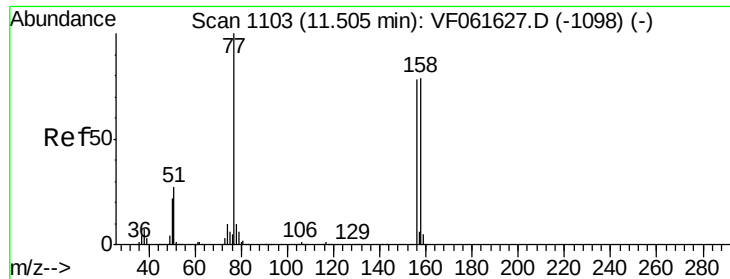
Delta R.T. -0.00 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

Tgt Ion:	75	Resp:	171701
Ion Ratio	Lower	Upper	
75	100		
77	32.1	16.6	49.7





#77

Bromobenzene

Concen: 109.828 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

Instrument :

MSVOA_F

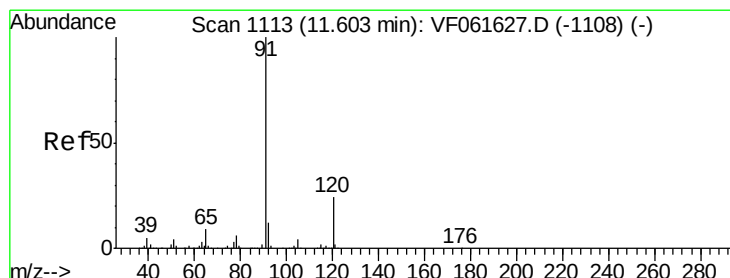
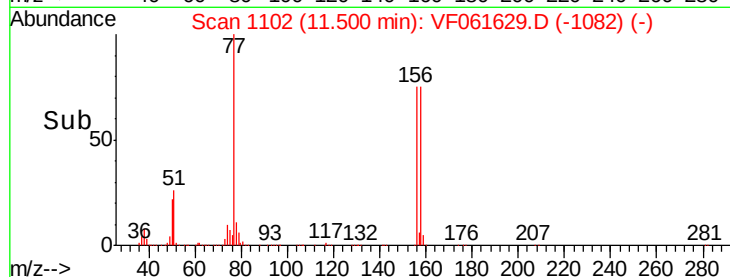
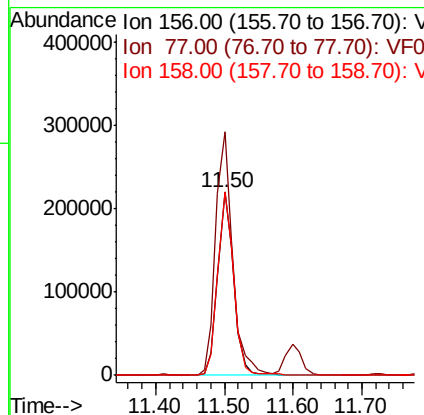
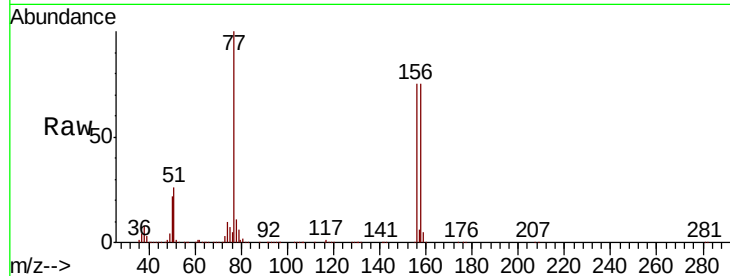
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	355994
Ion Ratio	Lower	Upper	
156	100		
77	132.8	64.3	192.7
158	100.0	50.9	152.7

Manual Integrations
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#78

n-propylbenzene

Concen: 89.621 ug/l

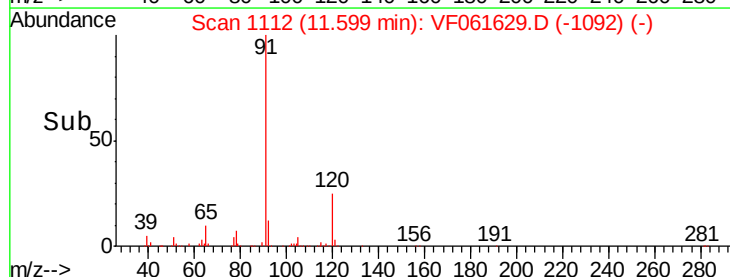
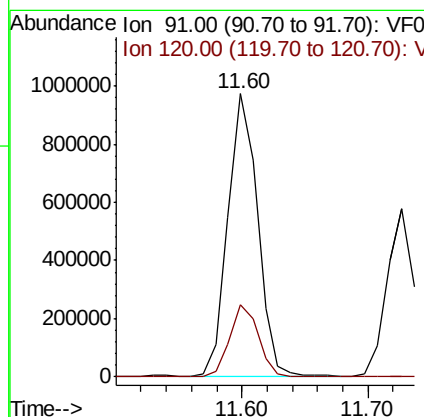
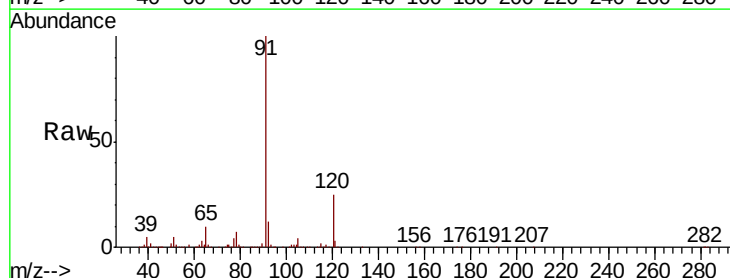
RT: 11.60 min Scan# 1112

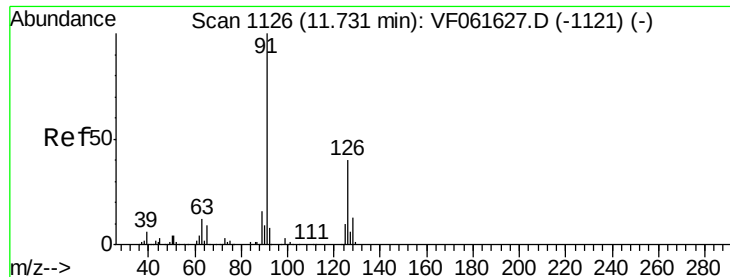
Delta R.T. -0.00 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

Tgt Ion:	91	Resp:	1586016
Ion Ratio	Lower	Upper	
91	100		
120	25.3	12.1	36.3





#79

2-Chlorotoluene

Concen: 87.193 ug/l

RT: 11.73 min Scan# 1125

Delta R.T. -0.00 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 878623

Ion Ratio Lower Upper

91 100

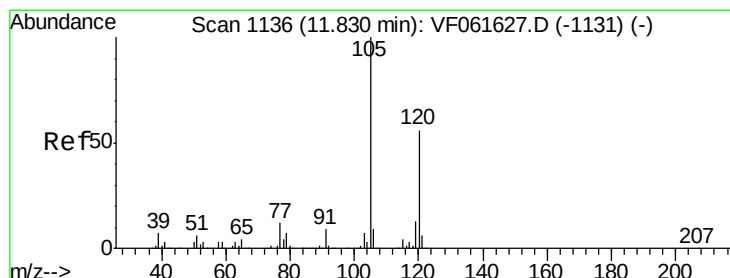
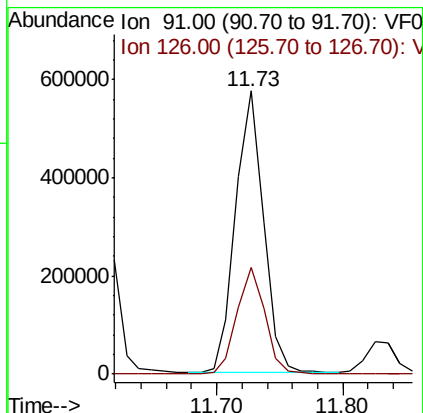
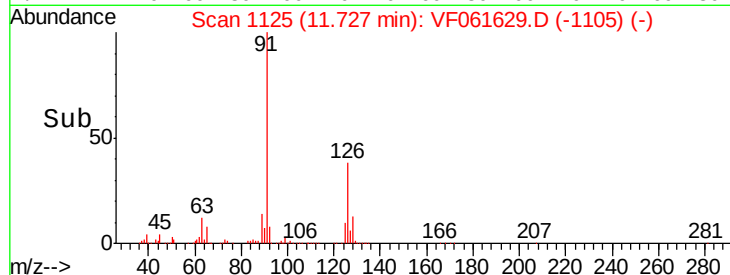
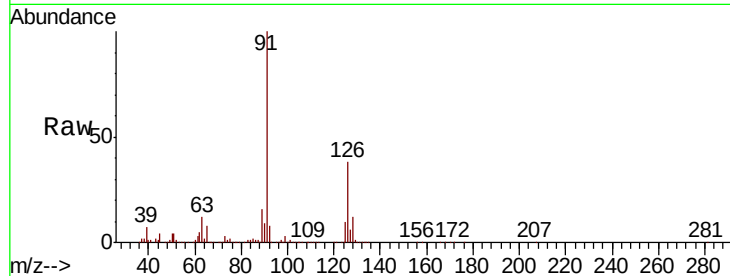
126 37.6 19.8 59.4

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#80

1,3,5-Trimethylbenzene

Concen: 91.533 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VF061629.D

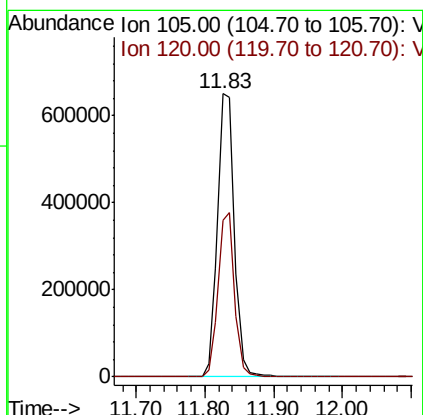
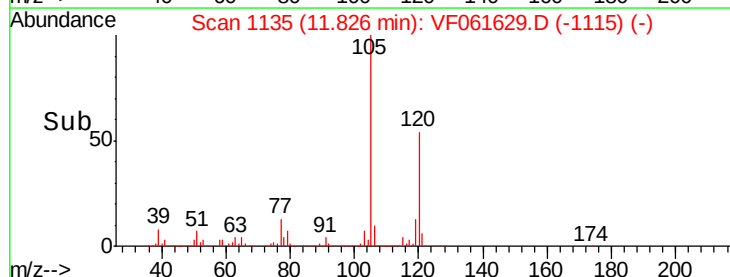
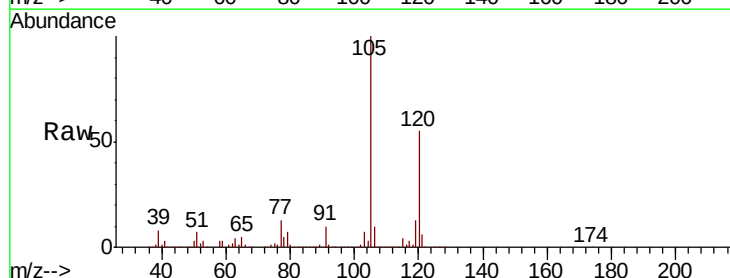
Acq: 13 Feb 2019 18:32

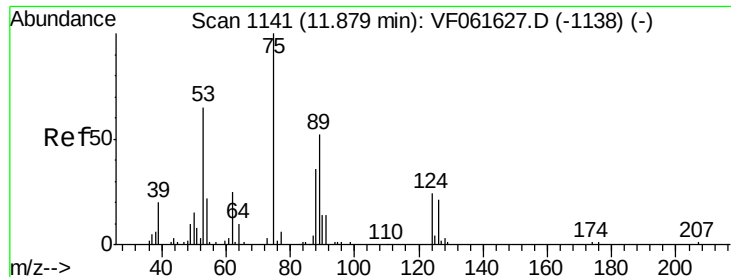
Tgt Ion: 105 Resp: 1112481

Ion Ratio Lower Upper

105 100

120 55.3 27.9 83.6





#81

trans-1,4-Dichloro-2-butene

Concen: 104.153 ug/l m

RT: 11.88 min Scan# 1140

Delta R.T. -0.00 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

Instrument :

MSVOA_F

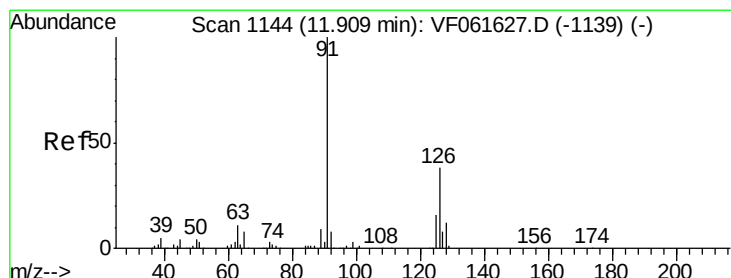
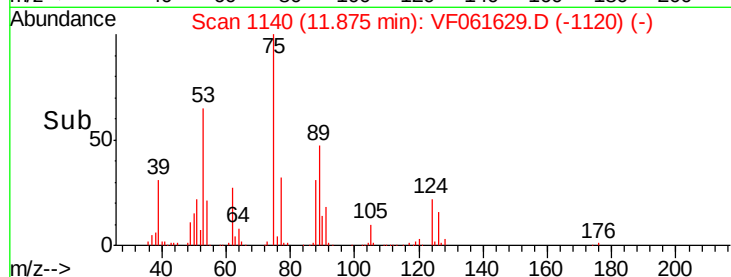
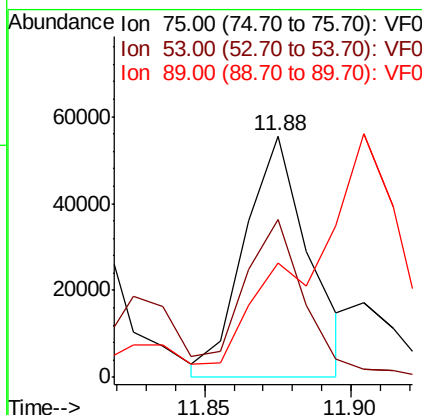
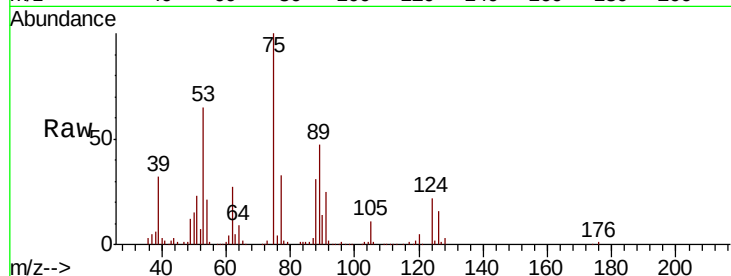
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	85065
Ion Ratio	Lower	Upper	
75	100		
53	65.2	53.7	80.5
89	47.2	41.6	62.4

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#82

4-Chlorotoluene

Concen: 84.746 ug/l

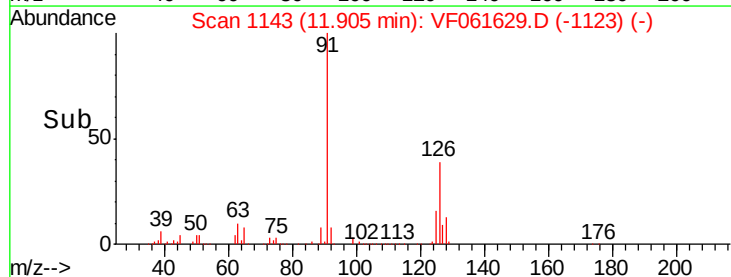
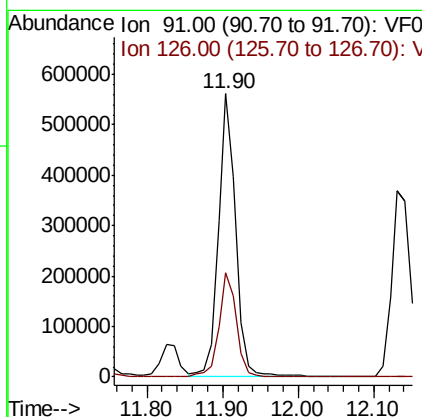
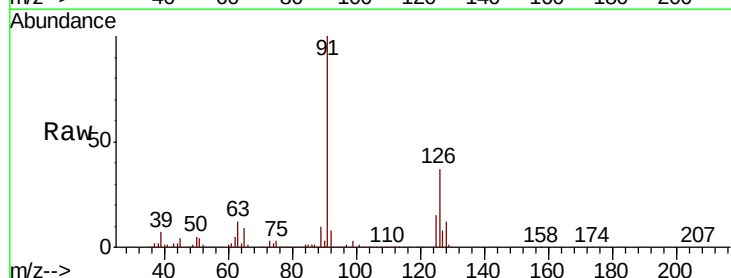
RT: 11.90 min Scan# 1143

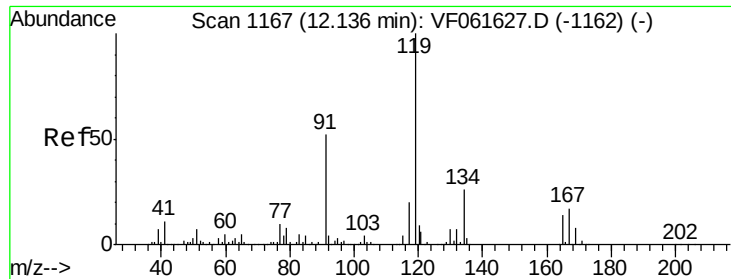
Delta R.T. -0.00 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

Tgt Ion:	91	Resp:	887178
Ion Ratio	Lower	Upper	
91	100		
126	36.9	19.1	57.1





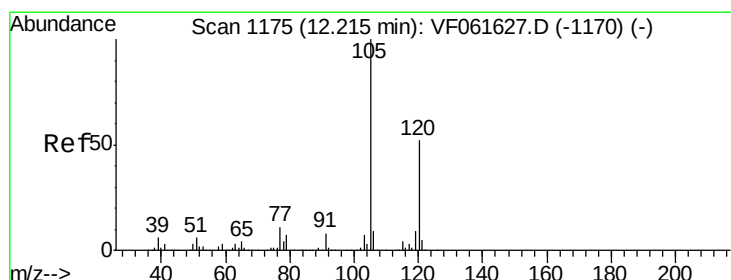
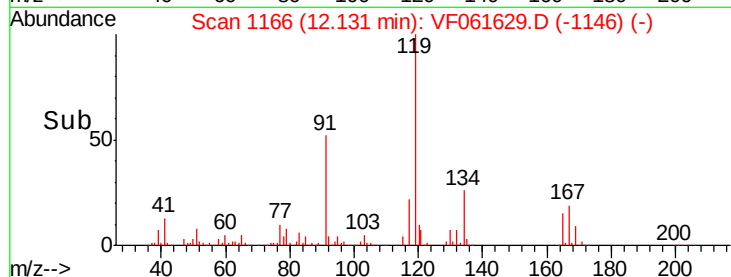
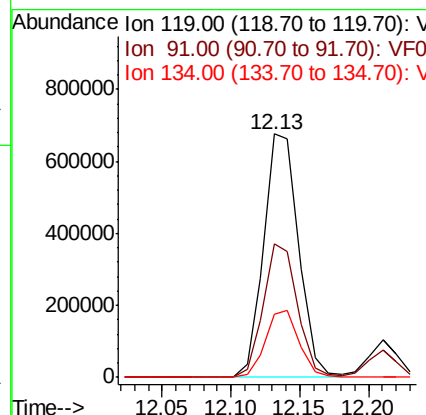
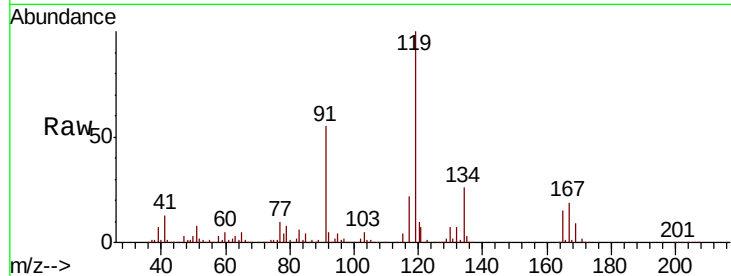
#83
 tert-Butylbenzene
 Concen: 95.883 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. -0.00 min
 Lab File: VF061629.D
 Acq: 13 Feb 2019 18:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion:119 Resp: 1198175
 Ion Ratio Lower Upper
 119 100
 91 54.6 26.3 78.8
 134 25.8 12.9 38.7

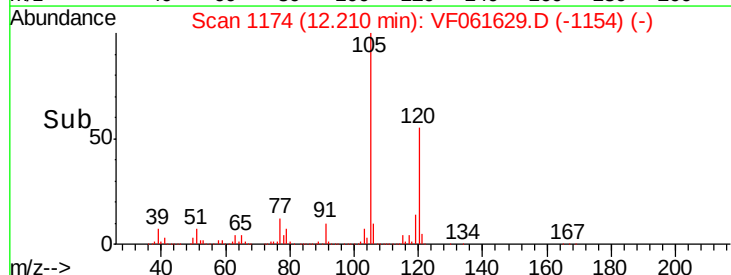
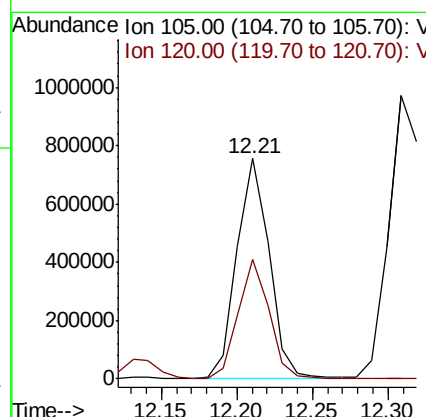
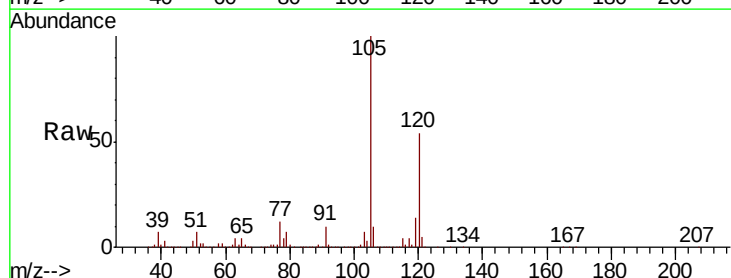
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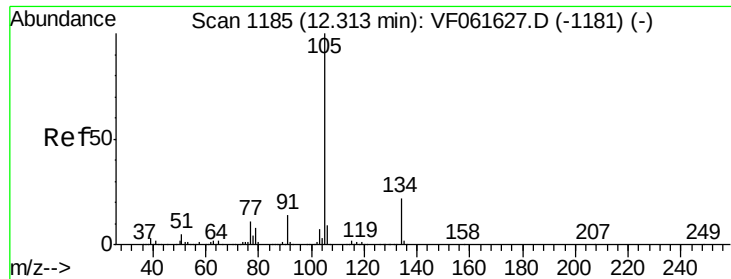
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#84
 1,2,4-Trimethylbenzene
 Concen: 94.180 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VF061629.D
 Acq: 13 Feb 2019 18:32

Tgt Ion:105 Resp: 1123668
 Ion Ratio Lower Upper
 105 100
 120 54.4 26.1 78.3





#85

sec-Butylbenzene

Concen: 93.431 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

Instrument :

MSVOA_F

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 1560336

Ion Ratio Lower Upper

105 100

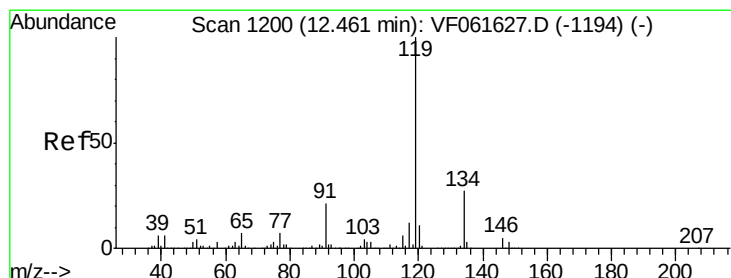
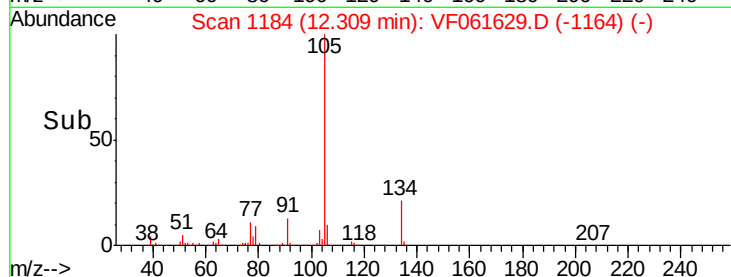
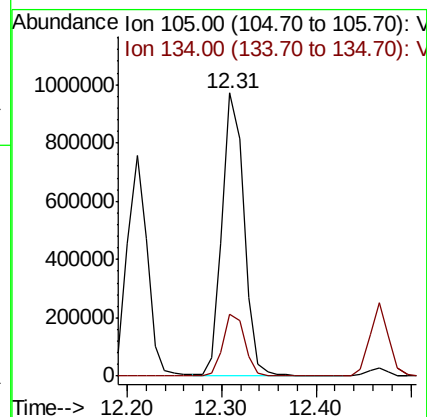
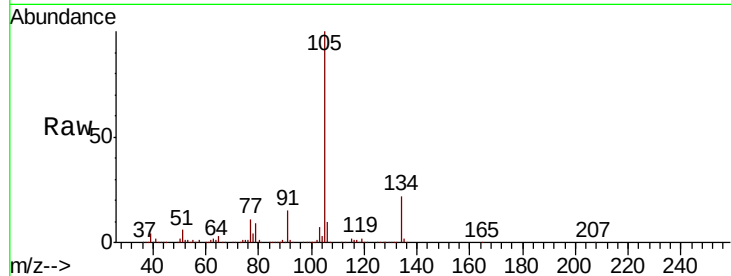
134 22.0 10.8 32.4

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#86

p-Isopropyltoluene

Concen: 91.799 ug/l

RT: 12.47 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VF061629.D

Acq: 13 Feb 2019 18:32

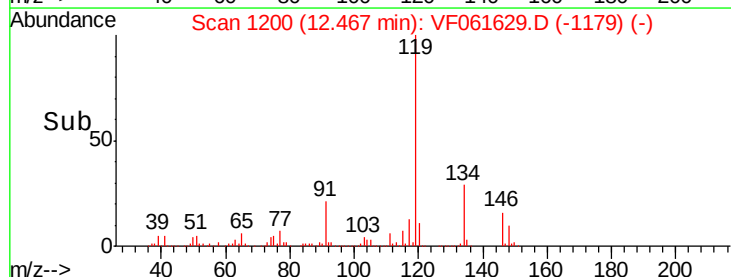
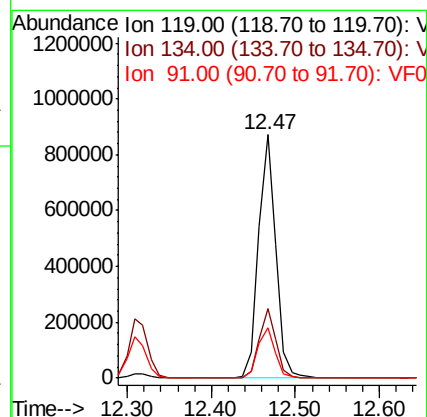
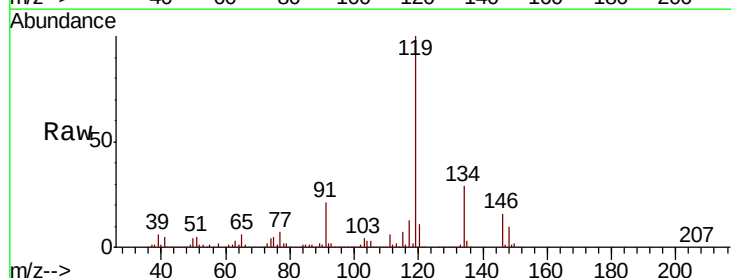
Tgt Ion:119 Resp: 1253948

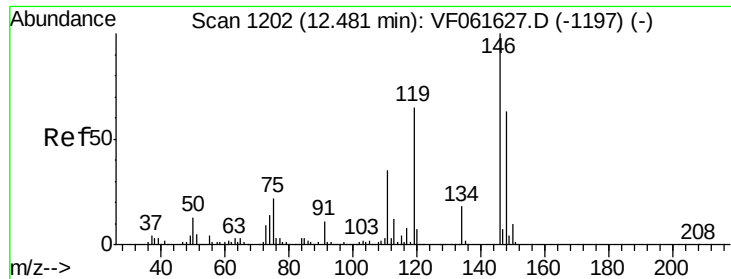
Ion Ratio Lower Upper

119 100

134 28.8 13.7 41.1

91 20.9 10.8 32.4





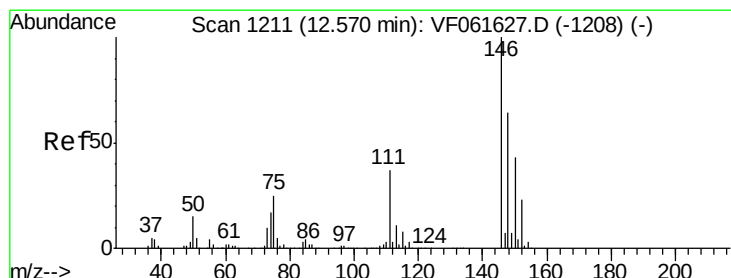
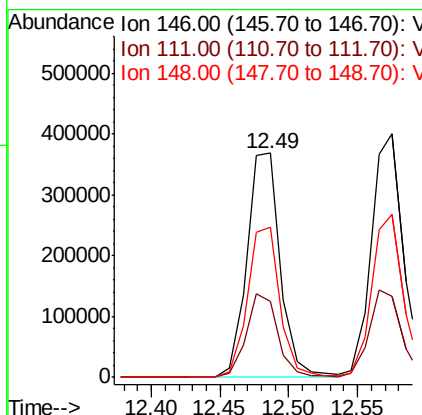
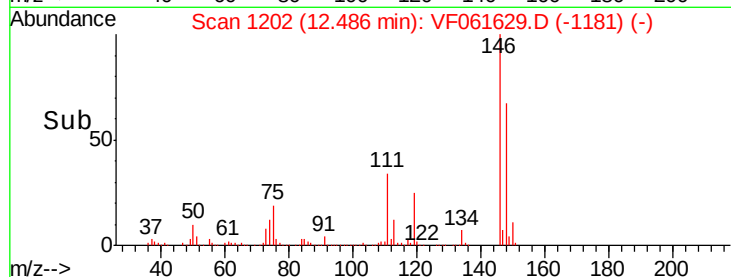
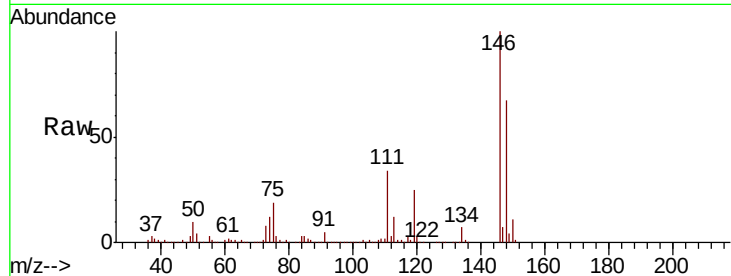
#87
 1,3-Dichlorobenzene
 Concen: 99.558 ug/l
 RT: 12.49 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VF061629.D
 Acq: 13 Feb 2019 18:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.0	17.5	52.6
148	67.1	31.4	94.3

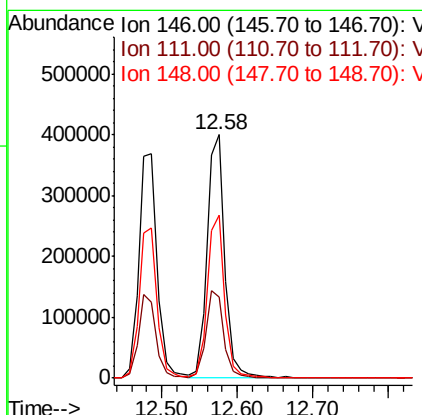
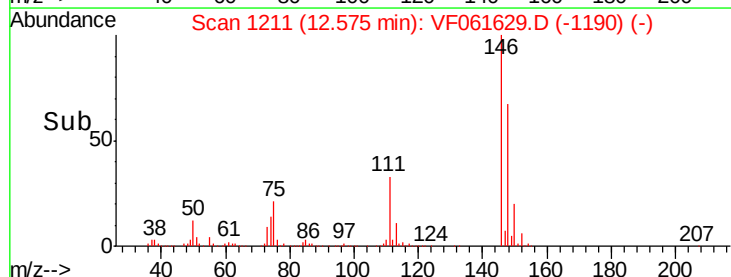
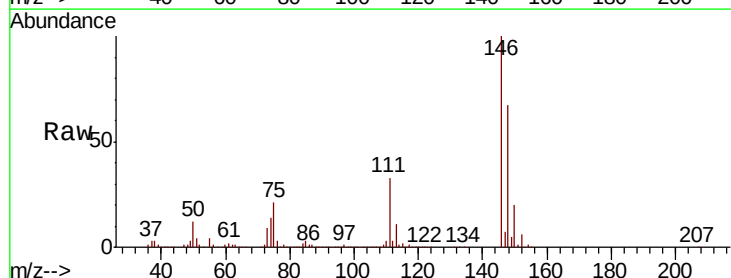
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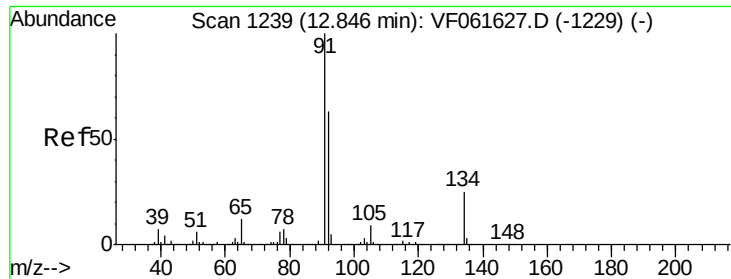
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#88
 1,4-Dichlorobenzene
 Concen: 109.301 ug/l
 RT: 12.58 min Scan# 1211
 Delta R.T. 0.01 min
 Lab File: VF061629.D
 Acq: 13 Feb 2019 18:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.4	18.4	55.4
148	66.8	32.2	96.6





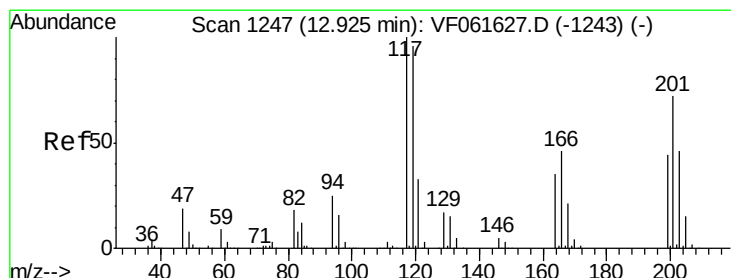
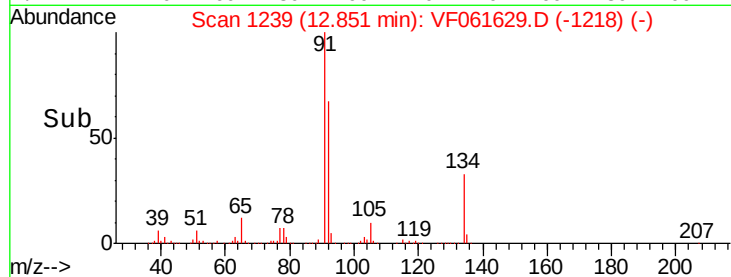
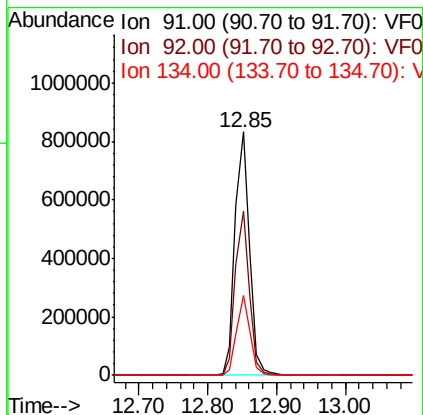
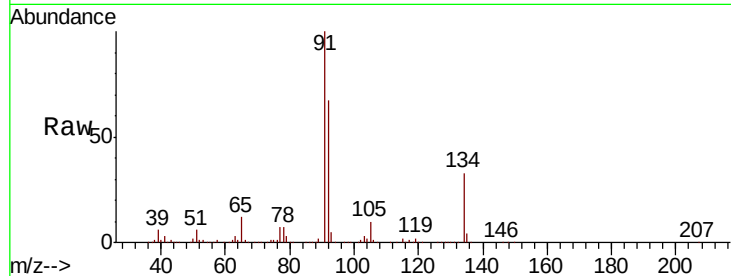
#89
n-Butylbenzene
Concen: 87.557 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VF061629.D
Acq: 13 Feb 2019 18:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	67.4	31.4	94.3
134	32.9	12.3	36.9

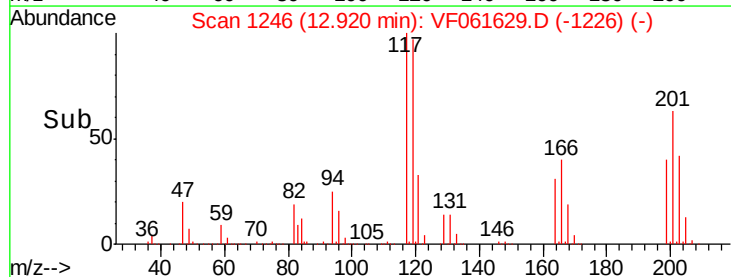
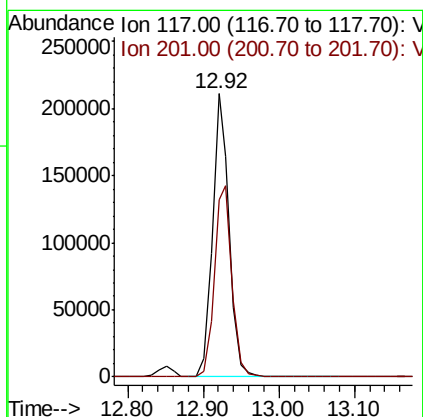
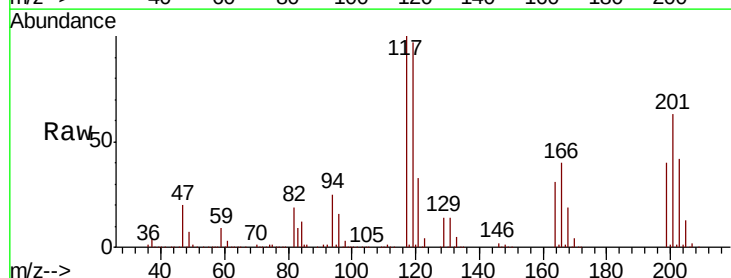
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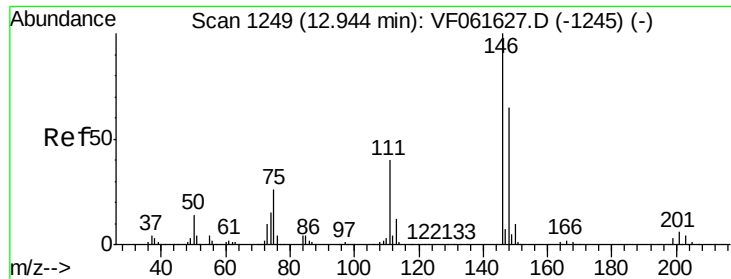
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#90
Hexachloroethane
Concen: 93.740 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. -0.00 min
Lab File: VF061629.D
Acq: 13 Feb 2019 18:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	62.7	36.2	108.6





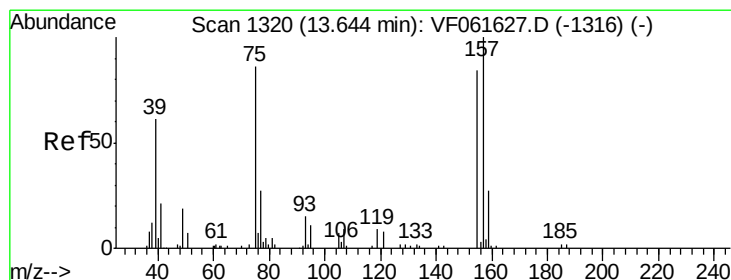
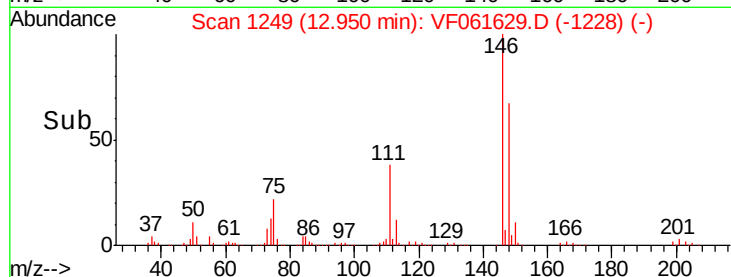
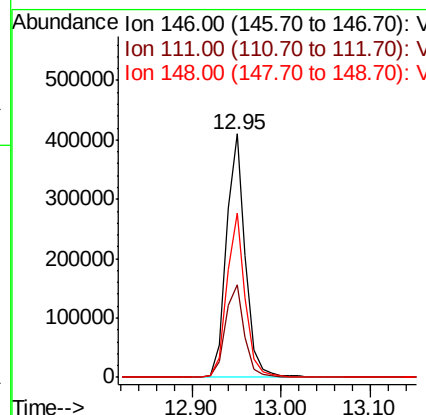
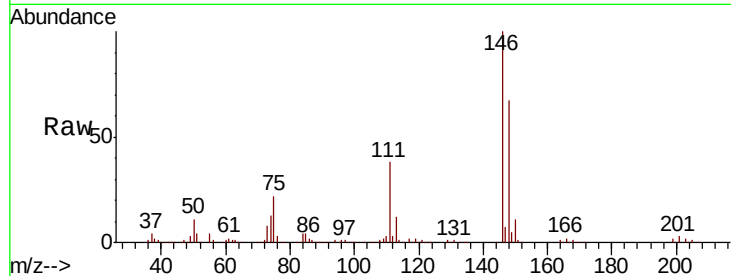
#91
 1,2-Dichlorobenzene
 Concen: 104.127 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. 0.01 min
 Lab File: VF061629.D
 Acq: 13 Feb 2019 18:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	20.2	60.5
148	67.3	32.3	96.9

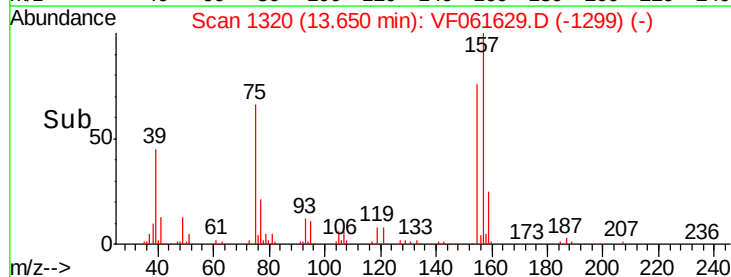
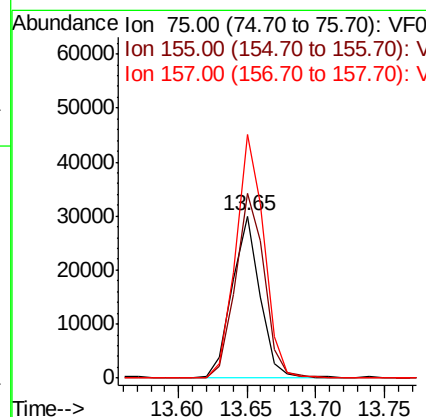
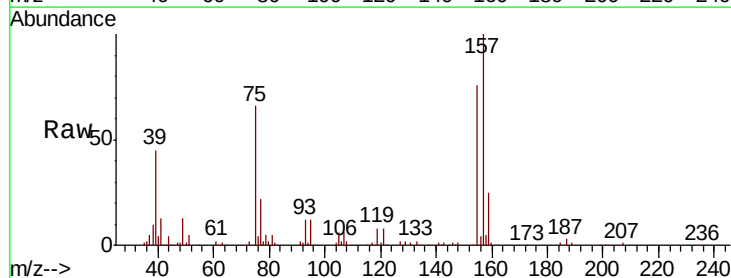
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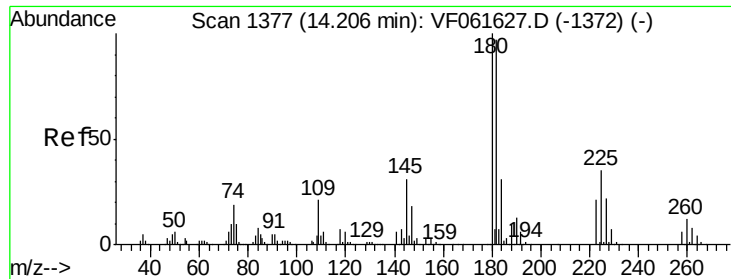
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 89.100 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. 0.01 min
 Lab File: VF061629.D
 Acq: 13 Feb 2019 18:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	113.8	48.9	146.8
157	150.5	58.3	174.8





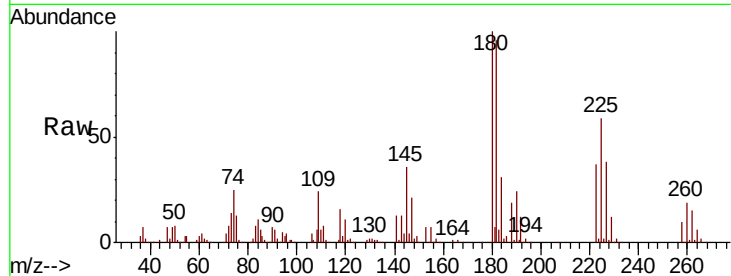
#93
1,2,4-Trichlorobenzene
Concen: 109.440 ug/l
RT: 14.20 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VF061629.D
Acq: 13 Feb 2019 18:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	450914		
182	96.4	48.6	145.9	
145	36.1	15.3	45.9	

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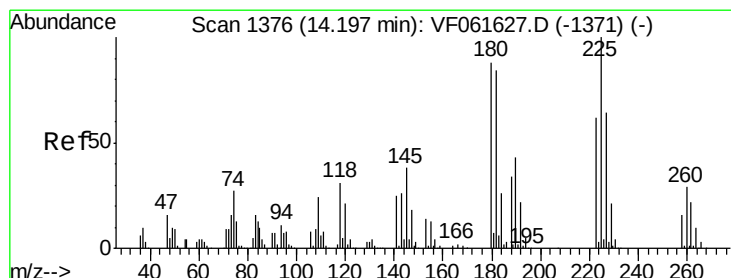
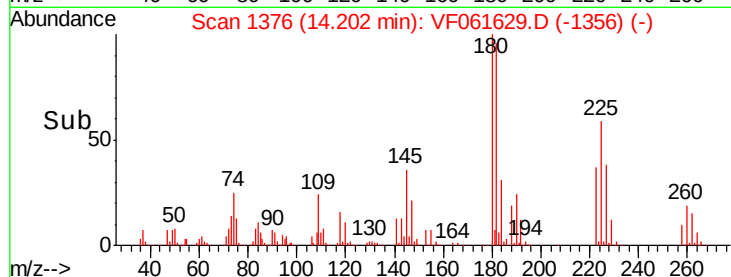
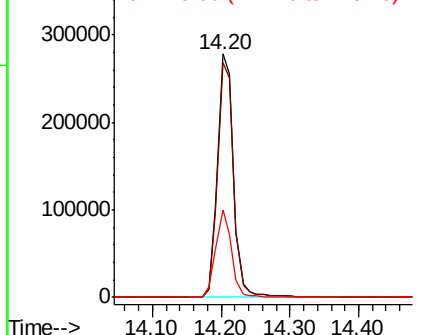


Abundance

Ion 180.00 (179.70 to 180.70): V

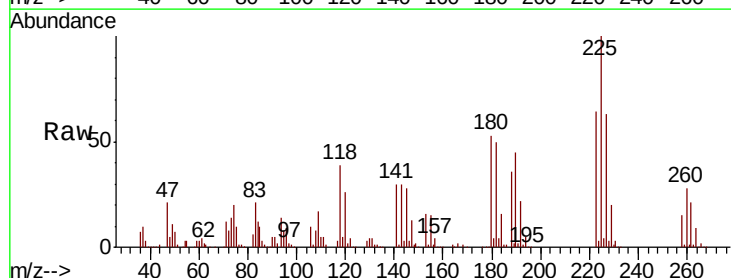
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
Hexachlorobutadiene
Concen: 113.530 ug/l
RT: 14.19 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VF061629.D
Acq: 13 Feb 2019 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	288578		
223	64.0	30.9	92.7	
227	63.5	32.1	96.3	

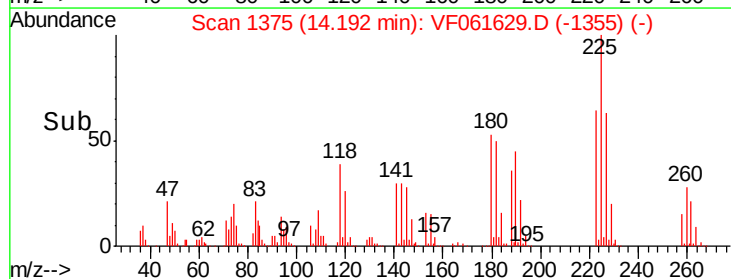
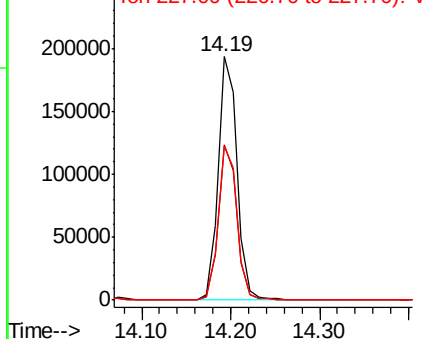


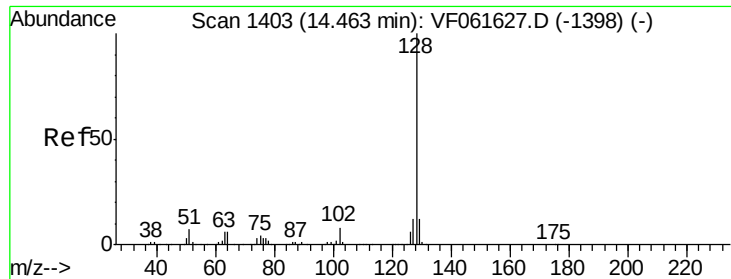
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





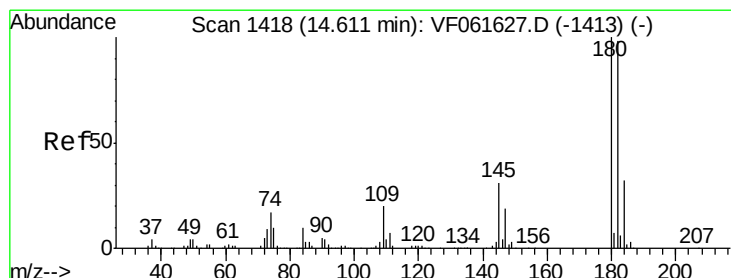
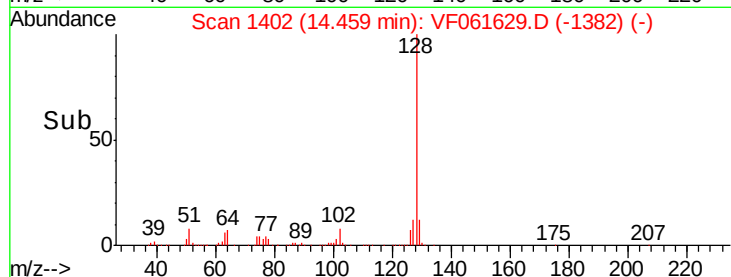
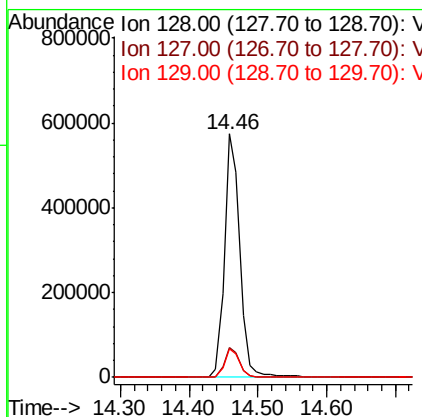
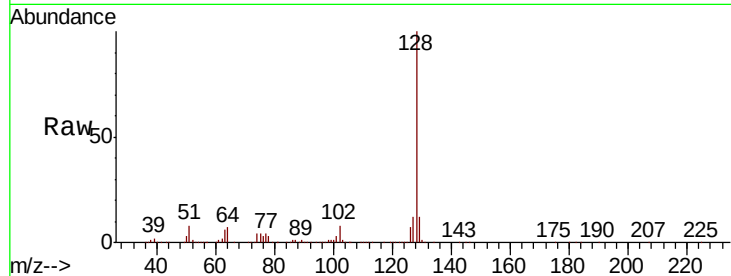
#95
Naphthalene
Concen: 113.753 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.00 min
Lab File: VF061629.D
Acq: 13 Feb 2019 18:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion:	128	Resp:	886071
Ion Ratio	Lower	Upper	
128	100		
127	12.2	9.8	14.6
129	11.7	9.4	14.2

Manual Integrations
APPROVED

MMDadoda
2/14/2019 12:42:12 PM



#96
1,2,3-Trichlorobenzene
Concen: 117.384 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF061629.D
Acq: 13 Feb 2019 18:32

Tgt Ion:	180	Resp:	434439
Ion Ratio	Lower	Upper	
180	100		
182	95.7	49.0	147.2
145	32.6	15.4	46.1

