

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121918\
 Data File : VF061072.D
 Acq On : 18 Dec 2018 20:20
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00G/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

apatel
 12/20/2018 10:28:56 AM

Quant Time: Dec 19 06:29:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 04:15:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	197125	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.59	114	351731	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	334441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	164544	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	205729	88.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	177.54%	
35) Dibromofluoromethane	4.11	113	203253	74.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	148.42%	
50) Toluene-d8	7.56	98	589927	72.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	145.92%	
62) 4-Bromofluorobenzene	11.41	95	266156	72.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	145.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	320709	100.223	ug/l	91
3) Chloromethane	1.11	50	195382	95.270	ug/l	98
4) Vinyl Chloride	1.14	62	181768	95.764	ug/l #	79
5) Bromomethane	1.33	94	125395	95.017	ug/l	99
6) Chloroethane	1.39	64	81740	99.906	ug/l	88
7) Trichlorofluoromethane	1.49	101	331451	84.226	ug/l	98
8) Diethyl Ether	1.63	74	44865	79.650	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.83	101	169651	85.381	ug/l	96
10) Methyl Iodide	1.91	142	275036m	90.350	ug/l	
11) Tert butyl alcohol	2.57	59	40953	426.166	ug/l #	92
12) 1,1-Dichloroethene	1.79	96	131463	82.329	ug/l	94
13) Acrolein	2.00	56	27346	327.752	ug/l	90
14) Allyl chloride	2.09	41	127750	68.602	ug/l	95
15) Acrylonitrile	2.94	53	90186	410.049	ug/l	96
16) Acetone	2.24	43	192693	433.472	ug/l	96
17) Carbon Disulfide	1.84	76	403886m	92.235	ug/l	
18) Methyl Acetate	2.35	43	74534	90.544	ug/l	99
19) Methyl tert-butyl Ether	2.44	73	299873	84.101	ug/l	99
20) Methylene Chloride	2.25	84	126402m	83.015	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	133650m	86.795	ug/l	
22) Diisopropyl ether	2.80	45	457634	84.847	ug/l	96
23) Vinyl Acetate	3.19	43	1024274	413.767	ug/l	99
24) 1,1-Dichloroethane	2.87	63	268192	83.696	ug/l	99
25) 2-Butanone	4.33	43	288214	383.281	ug/l	96
26) 2,2-Dichloropropane	3.60	77	142202	70.162	ug/l	96
27) cis-1,2-Dichloroethene	3.47	96	208518	83.547	ug/l	97
28) Bromochloromethane	3.72	49	139150	88.461	ug/l	99
29) Tetrahydrofuran	4.07	42	116949	368.777	ug/l	97
30) Chloroform	3.86	83	380094	76.826	ug/l	99
31) Cyclohexane	3.69	56	276161m	82.170	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	224250	68.475	ug/l	97
36) 1,1-Dichloropropene	4.28	75	289663	73.544	ug/l	96
37) Ethyl Acetate	4.11	43	114519	71.978	ug/l	98
38) Carbon Tetrachloride	3.98	117	223528	67.027	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	273248m	66.738	ug/l	
40) Benzene	4.64	78	598933	69.128	ug/l	96
41) Methacrylonitrile	4.74	41	59357	63.020	ug/l	97
42) 1,2-Dichloroethane	4.94	62	253637	80.296	ug/l	98
43) Isopropyl Acetate	6.95	43	153541	71.947	ug/l #	97
44) Trichloroethene	5.50	130	192365	68.074	ug/l	99
45) 1,2-Dichloropropane	6.23	63	175755	78.418	ug/l	98
46) Dibromomethane	6.09	93	116727	76.892	ug/l	96
47) Bromodichloromethane	6.38	83	304083	75.233	ug/l	97
48) Methyl methacrylate	6.72	41	105906	74.249	ug/l	97
49) 1,4-Dioxane	6.71	88	16073	1558.481	ug/l #	83
51) 4-Methyl-2-Pentanone	8.26	43	468022	322.924	ug/l	99
52) Toluene	7.62	92	416783	68.705	ug/l	96
53) t-1,3-Dichloropropene	8.28	75	232702	71.310	ug/l	100
54) cis-1,3-Dichloropropene	7.30	75	299994	74.495	ug/l	97
55) 1,1,2-Trichloroethane	8.49	97	133040	76.212	ug/l	96
56) Ethyl methacrylate	8.62	69	146077	75.885	ug/l	95
57) 1,3-Dichloropropane	8.86	76	232120	75.758	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.30	63	140293	615.560	ug/l	97
59) 2-Hexanone	9.49	43	354423	346.051	ug/l	96
60) Dibromochloromethane	8.72	129	187169	71.788	ug/l	96
61) 1,2-Dibromoethane	8.99	107	137322	72.367	ug/l	99
64) Tetrachloroethene	8.16	164	178630	69.680	ug/l	96
65) Chlorobenzene	9.79	112	479981	74.290	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	193172	69.798	ug/l	94
67) Ethyl Benzene	9.89	91	861820	71.458	ug/l	100
68) m/p-Xylenes	10.13	106	599416	137.708	ug/l	96
69) o-Xylene	10.71	106	332393	69.379	ug/l	93
70) Styrene	10.79	104	460550	69.841	ug/l	98
71) Bromoform	10.77	173	93308	70.143	ug/l #	98
73) Isopropylbenzene	11.13	105	942221	71.511	ug/l	99
74) N-amyl acetate	11.37	43	217063	72.086	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.70	83	161369	74.680	ug/l	96
76) 1,2,3-Trichloropropane	11.80	75	122859	77.640	ug/l	99
77) Bromobenzene	11.49	156	210507	73.860	ug/l	97
78) n-propylbenzene	11.59	91	1057080	68.470	ug/l	99
79) 2-Chlorotoluene	11.72	91	636973	71.867	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	768215	71.874	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.87	75	57219m	75.158	ug/l	
82) 4-Chlorotoluene	11.90	91	679609	73.132	ug/l	98
83) tert-Butylbenzene	12.13	119	768923	70.329	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	789471	74.720	ug/l	99
85) sec-Butylbenzene	12.31	105	1017194	68.636	ug/l	94
86) p-Isopropyltoluene	12.46	119	844603m	67.757	ug/l	
87) 1,3-Dichlorobenzene	12.48	146	365108	67.357	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	380013	71.897	ug/l	96
89) n-Butylbenzene	12.84	91	865556	68.994	ug/l	99
90) Hexachloroethane	12.91	117	226760	75.840	ug/l	98
91) 1,2-Dichlorobenzene	12.94	146	367901	71.353	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	32882	78.702	ug/l	94

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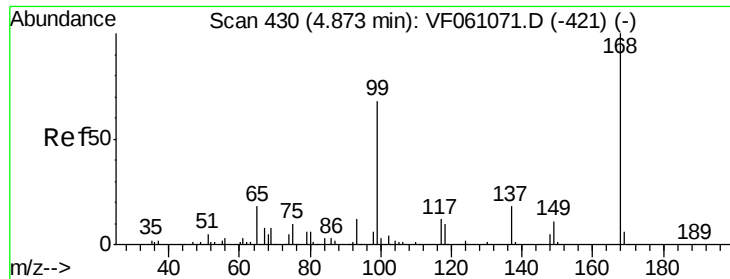
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	260642	72.287	ug/l	92
94) Hexachlorobutadiene	14.18	225	172017	71.658	ug/l	96
95) Naphthalene	14.45	128	527822	66.687	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	249793	73.627	ug/l	98

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



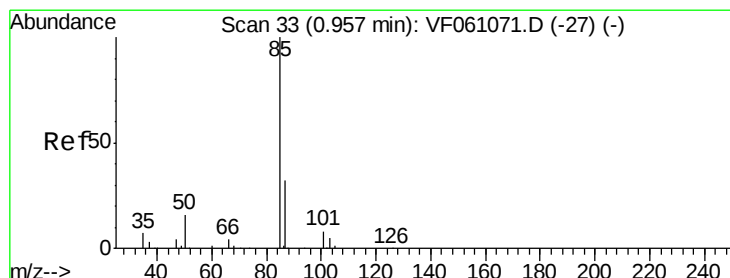
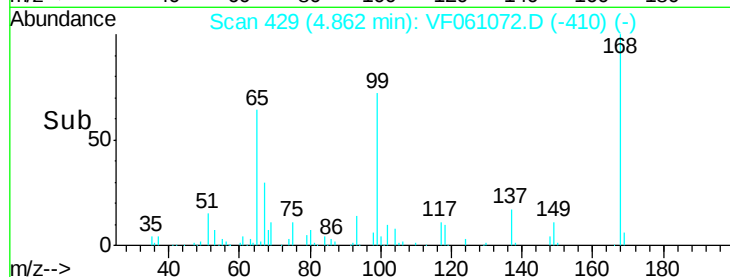
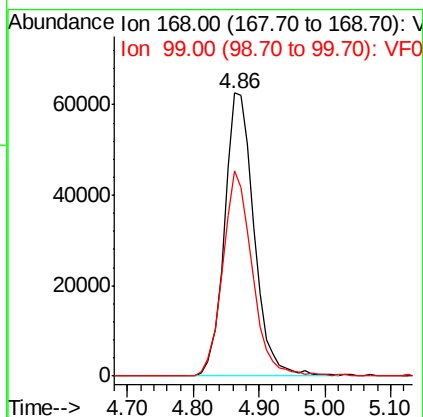
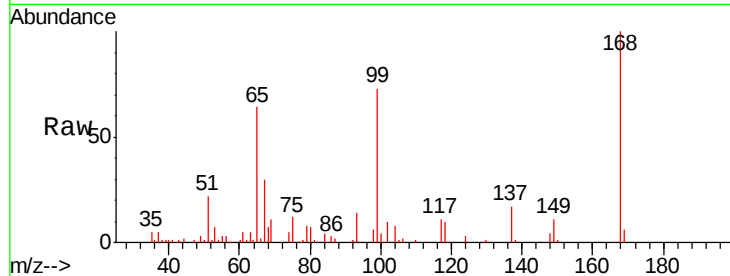
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.86 min Scan# 429
Delta R.T. -0.01 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

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ClientSampleId :
VSTDIC075

Tgt Ion: 168 Resp: 197125
Ion Ratio Lower Upper
168 100
99 72.6 54.4 81.6

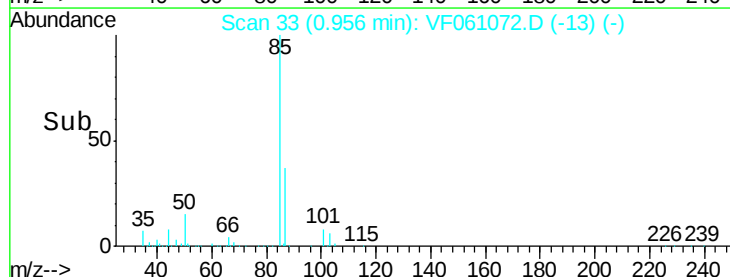
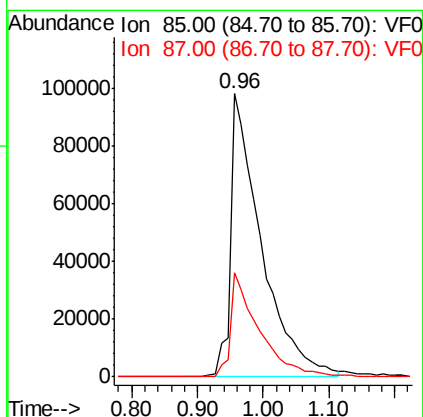
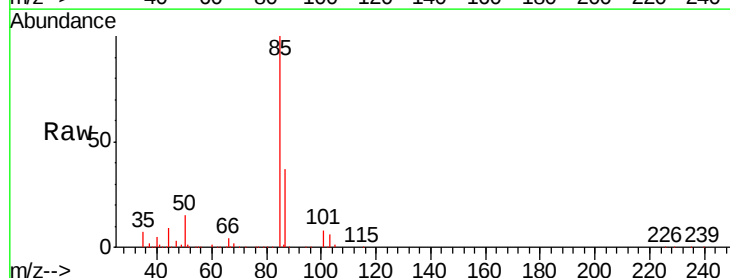
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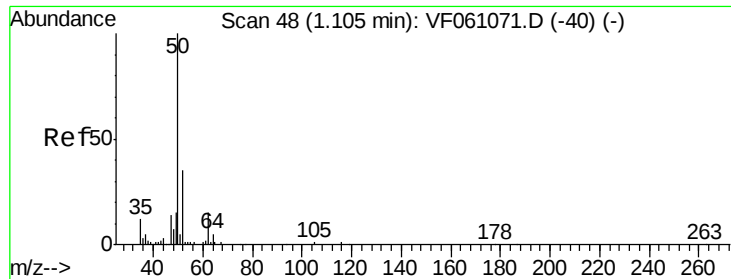
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#2
Dichlorodifluoromethane
Concen: 100.223 ug/l
RT: 0.96 min Scan# 33
Delta R.T. -0.00 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Tgt Ion: 85 Resp: 320709
Ion Ratio Lower Upper
85 100
87 36.6 15.9 47.6





#3

Chloromethane

Concen: 95.270 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tgt Ion: 50 Resp: 195382

Ion Ratio Lower Upper

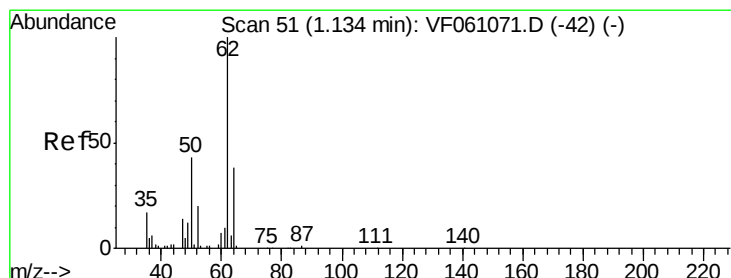
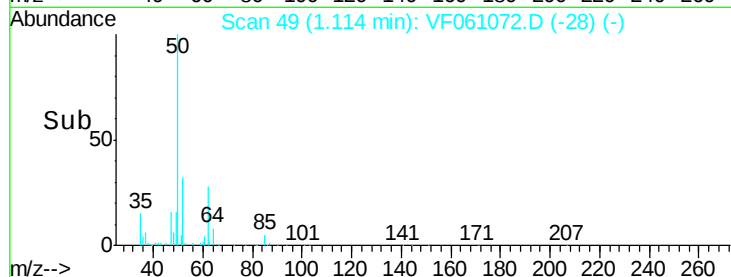
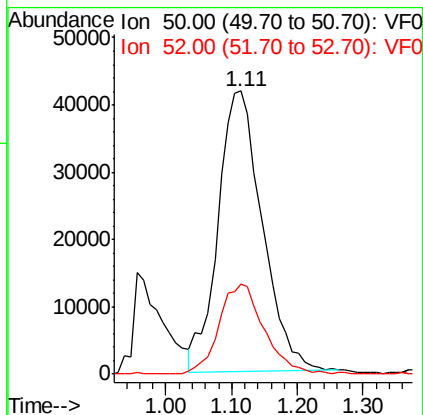
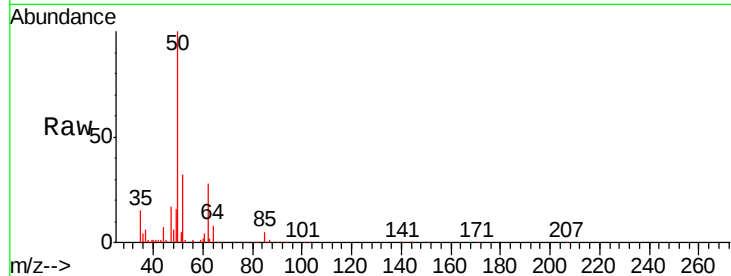
50 100

52 31.6 26.3 39.5

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#4

Vinyl Chloride

Concen: 95.764 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061072.D

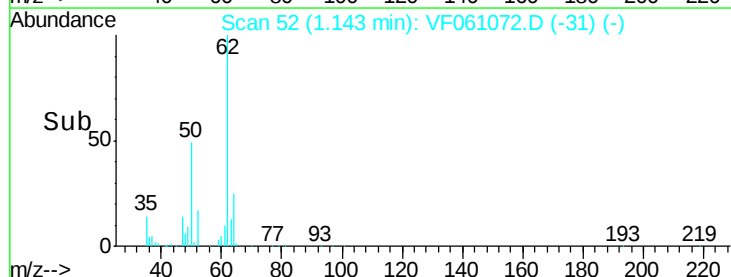
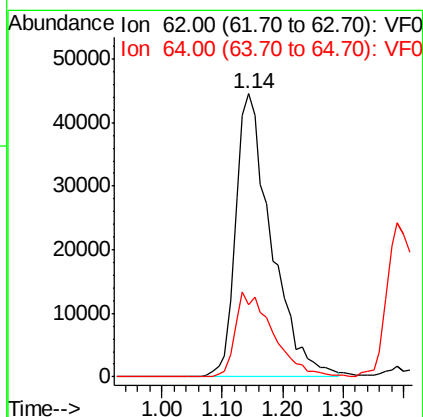
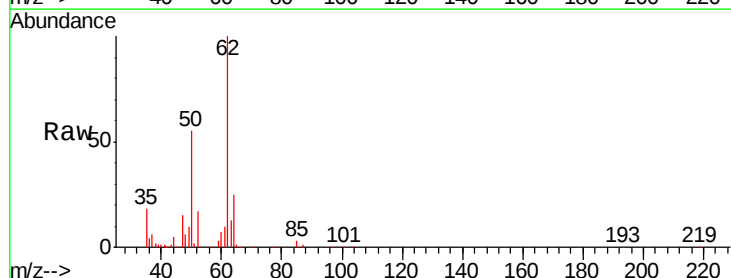
Acq: 18 Dec 2018 20:20

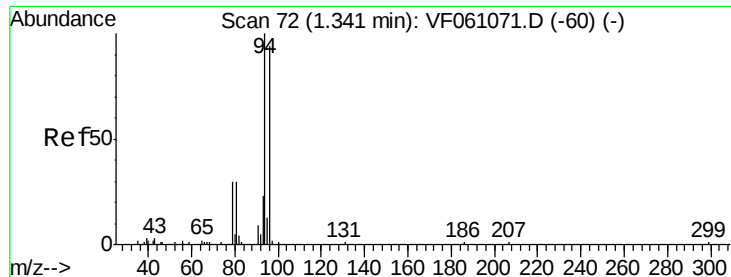
Tgt Ion: 62 Resp: 181768

Ion Ratio Lower Upper

62 100

64 25.4 30.4 45.6#





#5

Bromomethane

Concen: 95.017 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

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Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tgt Ion: 94 Resp: 125395

Ion Ratio Lower Upper

94 100

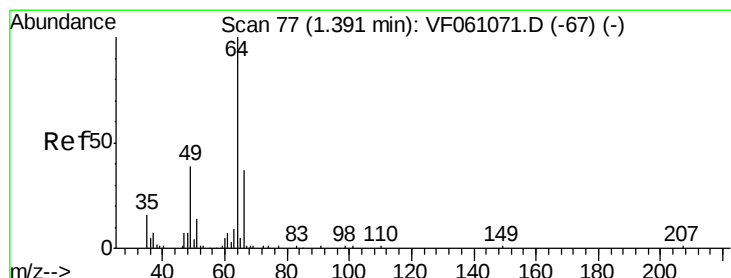
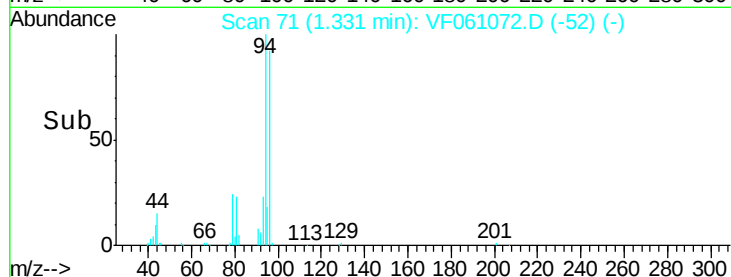
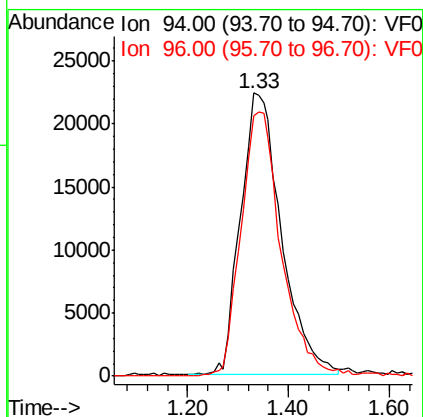
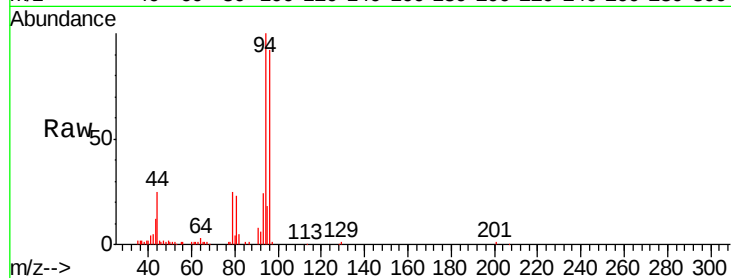
96 91.8 74.4 111.6

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#6

Chloroethane

Concen: 99.906 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF061072.D

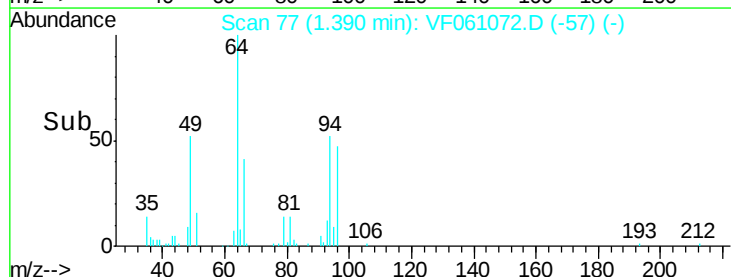
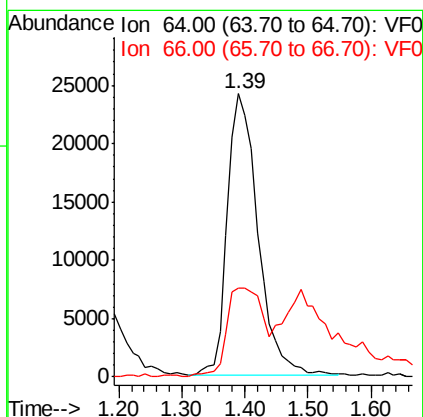
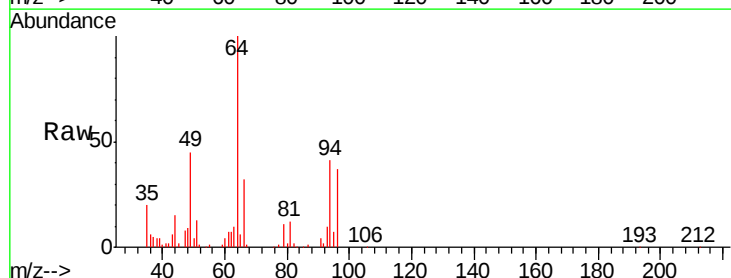
Acq: 18 Dec 2018 20:20

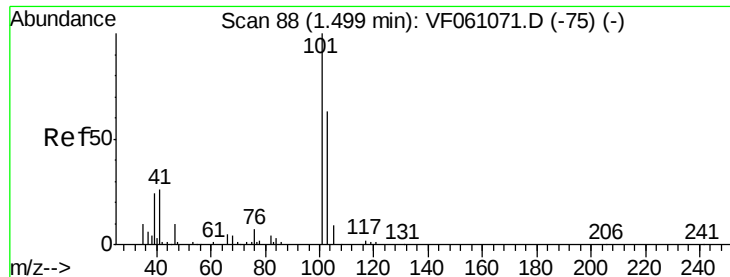
Tgt Ion: 64 Resp: 81740

Ion Ratio Lower Upper

64 100

66 31.6 30.9 46.3





#7

Trichlorofluoromethane

Concen: 84.226 ug/l

RT: 1.49 min Scan# 87

Delta R.T. -0.01 min

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Tgt Ion: 101 Resp: 331451

Ion Ratio Lower Upper

101 100

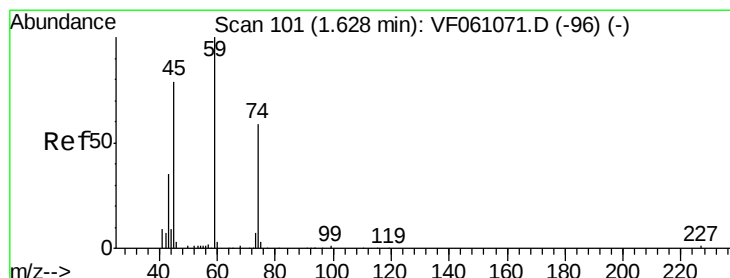
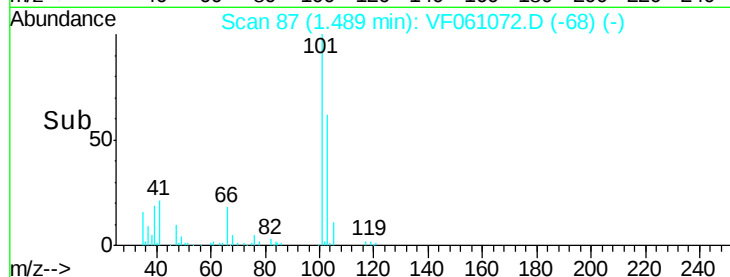
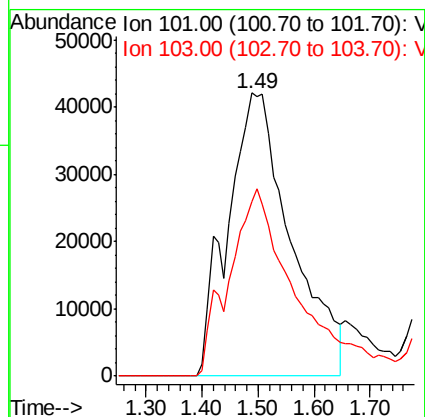
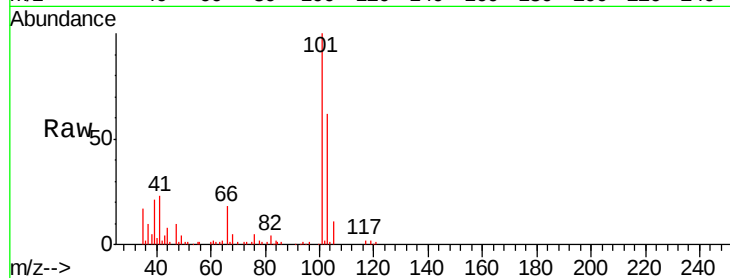
103 61.6 50.7 76.1

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#8

Diethyl Ether

Concen: 79.650 ug/l

RT: 1.63 min Scan# 101

Delta R.T. -0.00 min

Lab File: VF061072.D

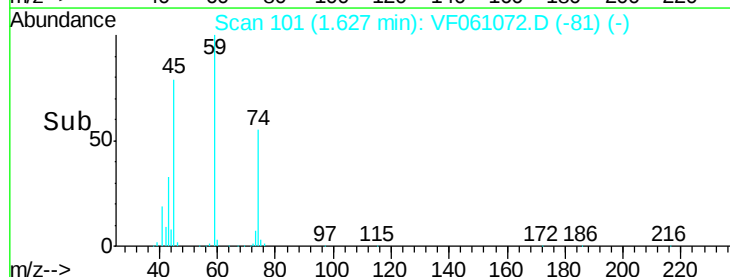
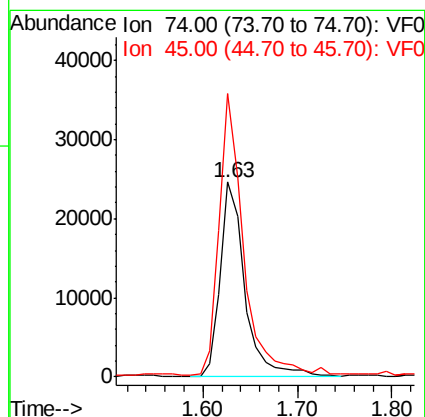
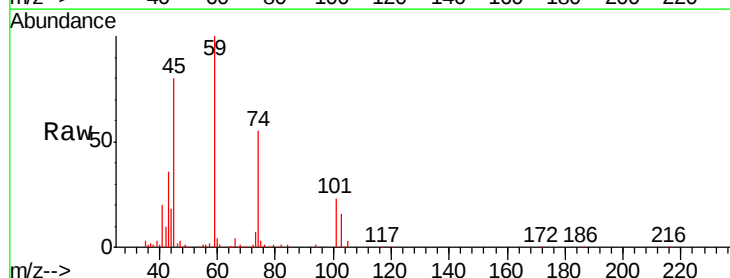
Acq: 18 Dec 2018 20:20

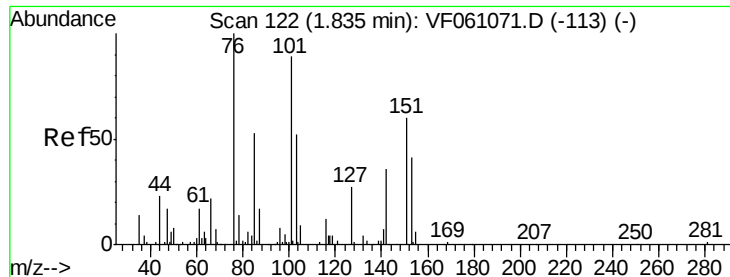
Tgt Ion: 74 Resp: 44865

Ion Ratio Lower Upper

74 100

45 145.4 67.8 203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 85.381 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.00 min

Lab File: VF061072.D

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MSVOA_F

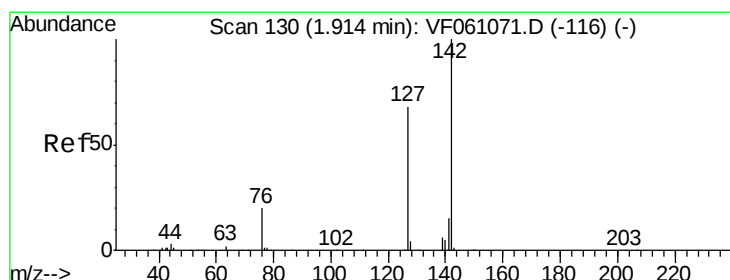
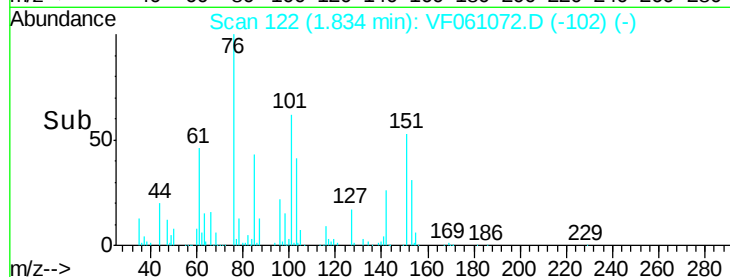
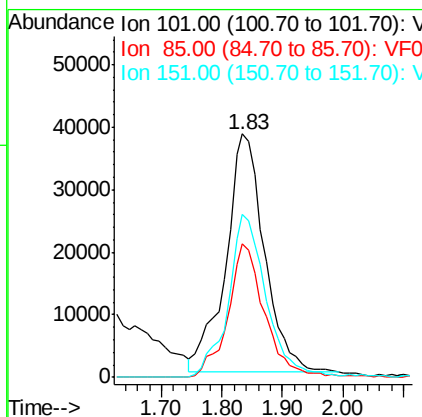
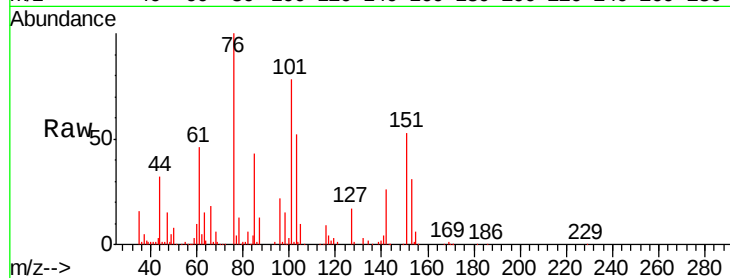
ClientSampleId :

VSTDIC075

Tgt Ion:	101	Resp:	169651
Ion Ratio	Lower	Upper	
101	100		
85	54.7	44.5	66.7
151	67.1	49.9	74.9

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#10

Methyl Iodide

Concen: 90.350 ug/l m

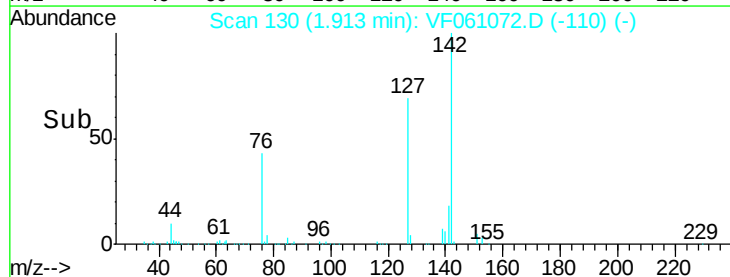
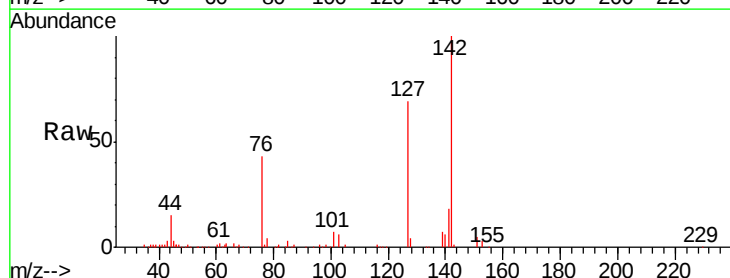
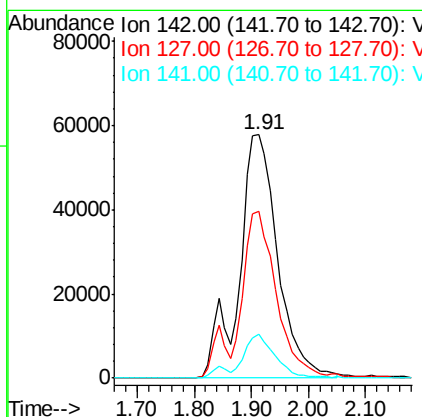
RT: 1.91 min Scan# 130

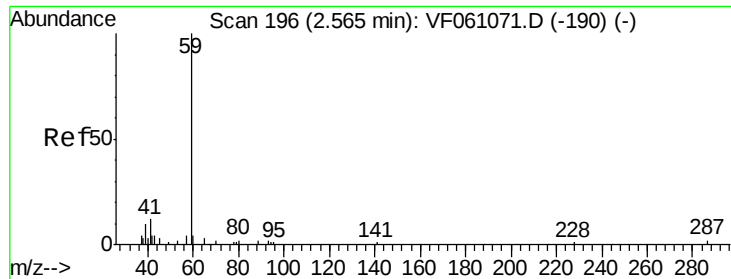
Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Tgt Ion:	142	Resp:	275036
Ion Ratio	Lower	Upper	
142	100		
127	68.6	54.7	82.1
141	17.8	12.2	18.2





#11

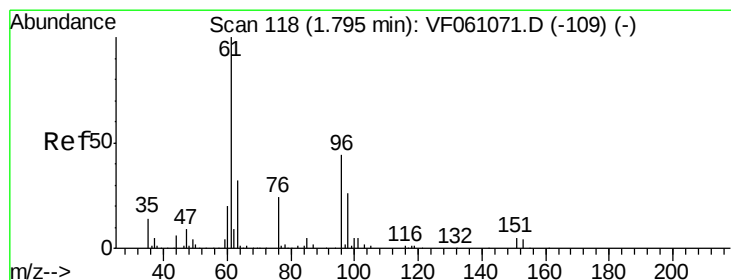
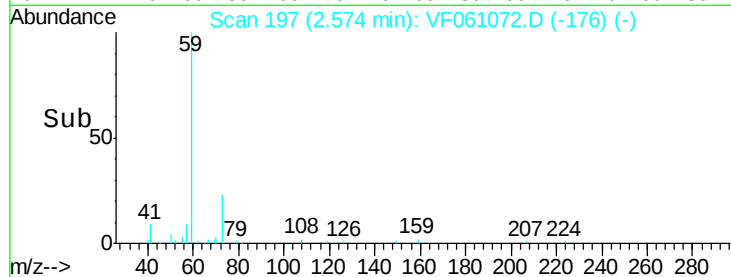
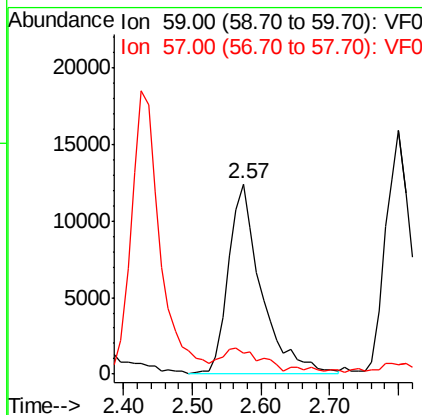
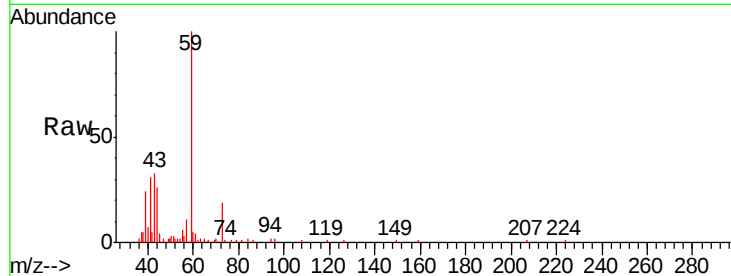
Tert butyl alcohol
Concen: 426.166 ug/l
RT: 2.57 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion: 59 Resp: 40953
Ion Ratio Lower Upper
59 100
57 11.0 11.5 17.3#

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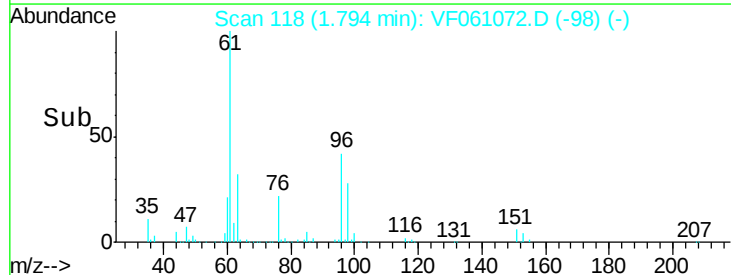
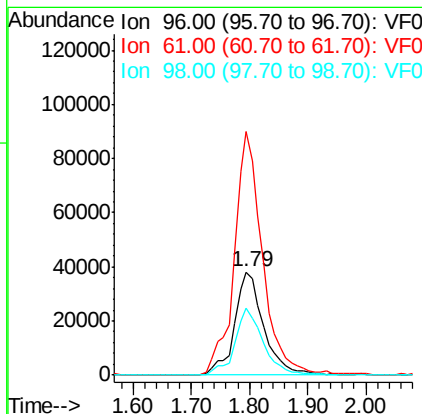
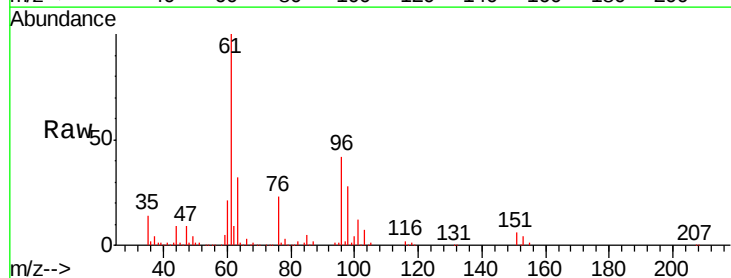
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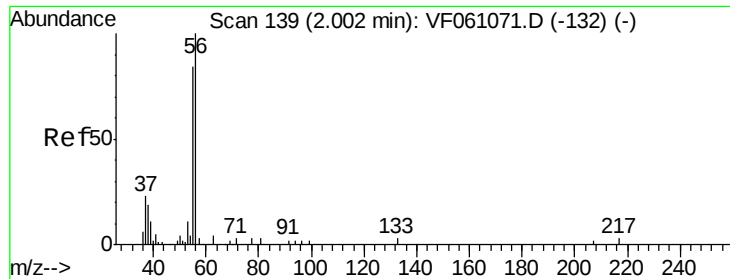


#12

1,1-Dichloroethene
Concen: 82.329 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Tgt Ion: 96 Resp: 131463
Ion Ratio Lower Upper
96 100
61 236.7 182.0 273.0
98 65.2 46.5 69.7





#13

Acrolein

Concen: 327.752 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tgt Ion: 56 Resp: 27346

Ion Ratio Lower Upper

56 100

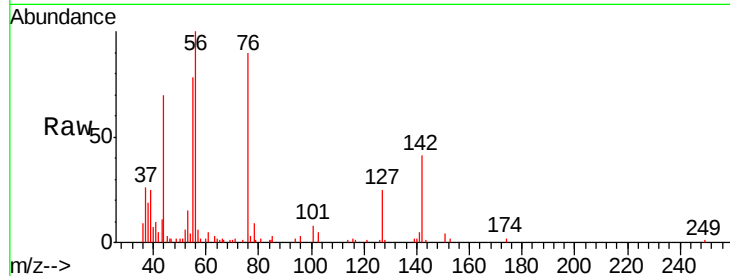
55 78.5 70.2 105.2

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.00

10000

8000

6000

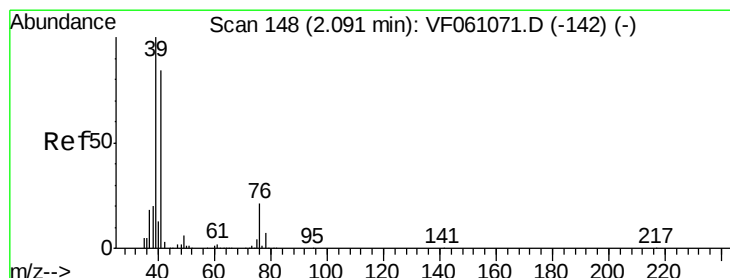
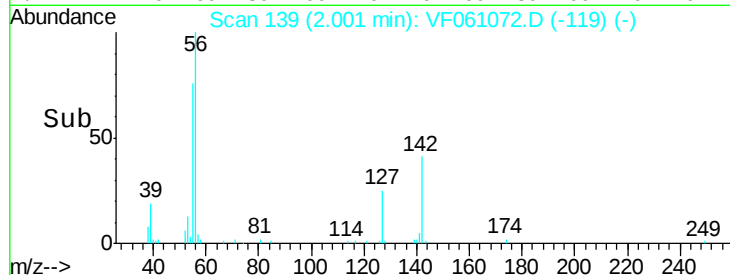
4000

2000

0

Time-->

1.90 2.00 2.10 2.20



#14

Allyl chloride

Concen: 68.602 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

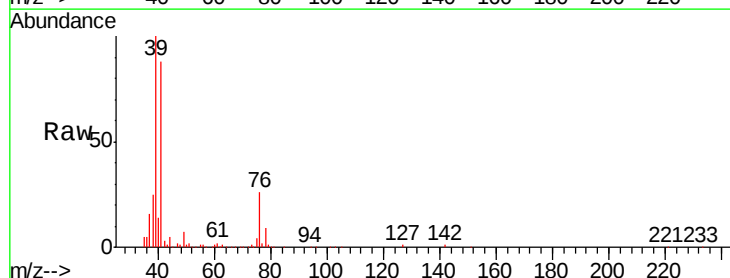
Tgt Ion: 41 Resp: 127750

Ion Ratio Lower Upper

41 100

39 114.1 96.4 144.6

76 30.2 25.4 38.0



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

2.09

100000

80000

60000

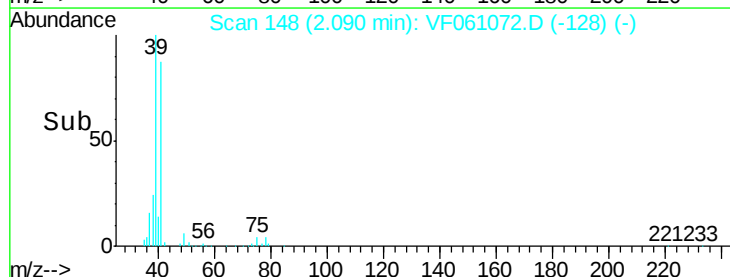
40000

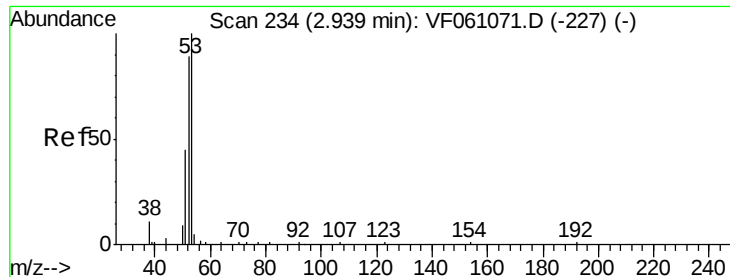
20000

0

Time-->

2.00 2.05 2.10 2.15





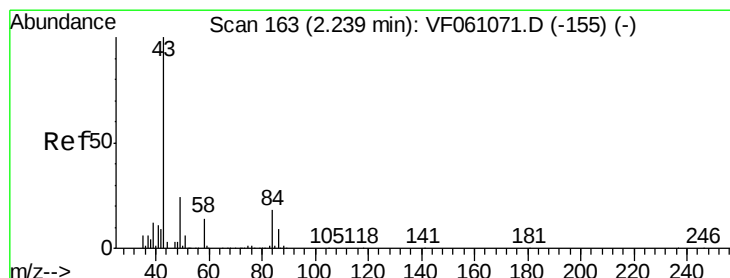
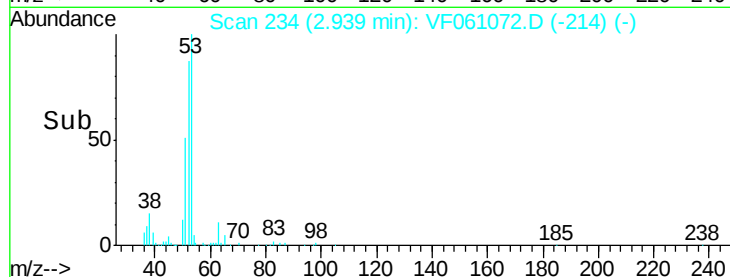
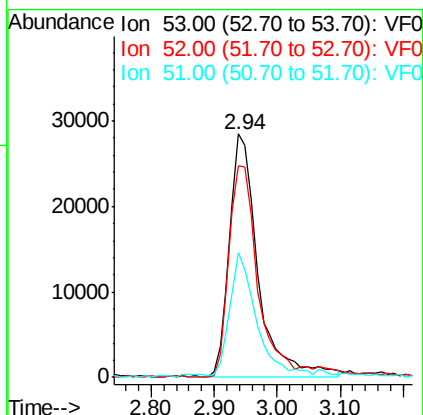
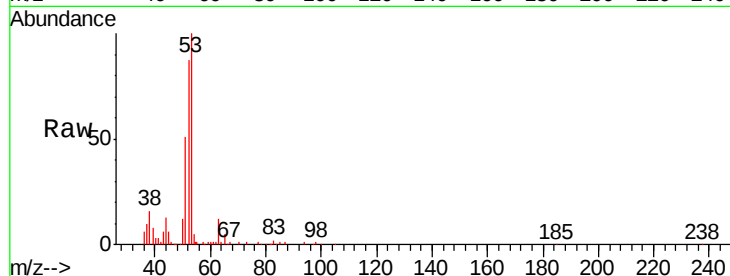
#15
Acrylonitrile
Concen: 410.049 ug/l
RT: 2.94 min Scan# 234
Delta R.T. -0.00 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion:	53	Resp:	90186
Ion	Ratio	Lower	Upper
53	100		
52	86.9	71.3	106.9
51	51.3	36.8	55.2

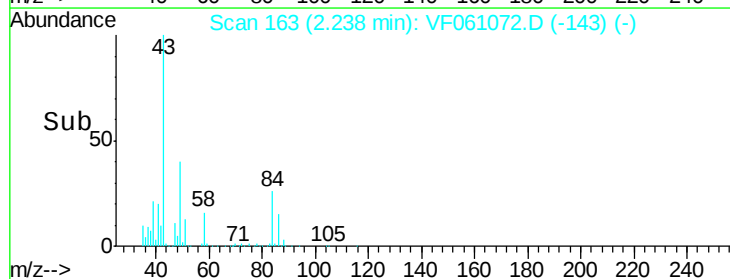
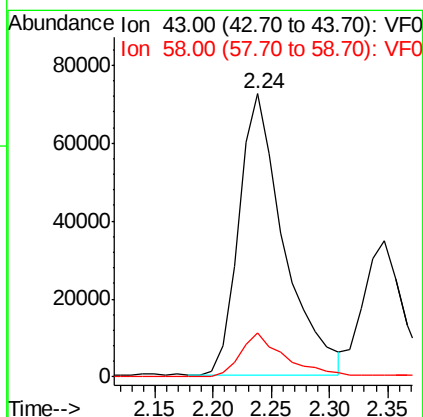
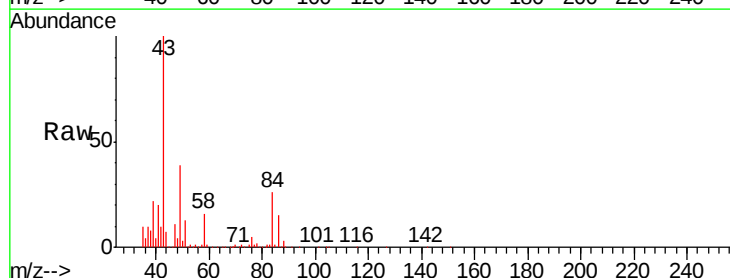
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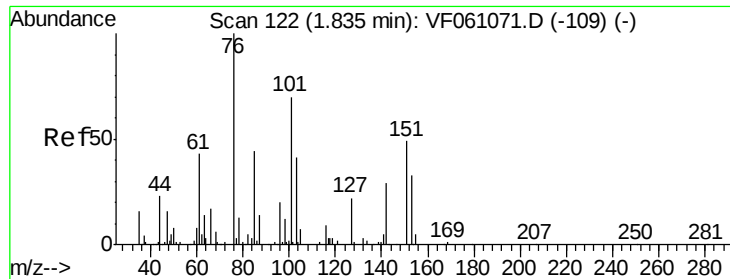
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#16
Acetone
Concen: 433.472 ug/l
RT: 2.24 min Scan# 163
Delta R.T. -0.00 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Tgt Ion:	43	Resp:	192693
Ion	Ratio	Lower	Upper
43	100		
58	15.5	11.1	16.7





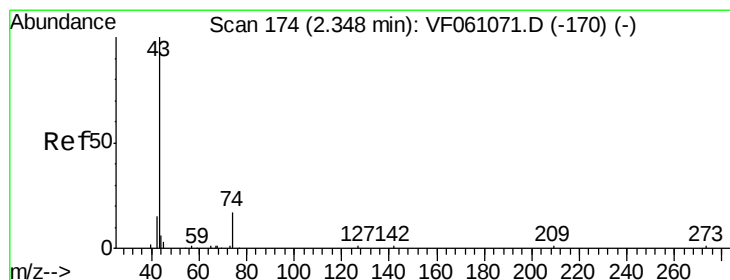
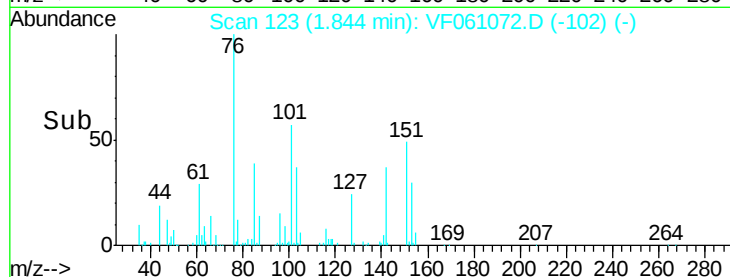
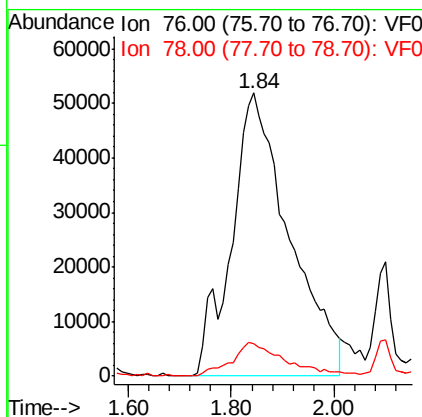
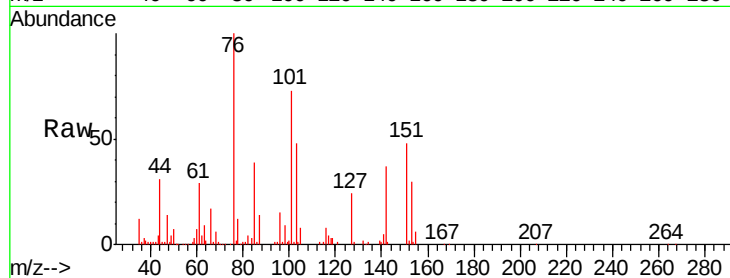
#17
Carbon Disulfide
Concen: 92.235 ug/l m
RT: 1.84 min Scan# 123
Delta R.T. 0.01 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion: 76 Resp: 403886
Ion Ratio Lower Upper
76 100
78 11.6 10.2 15.4

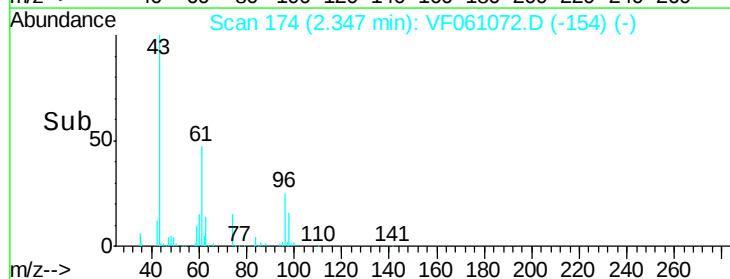
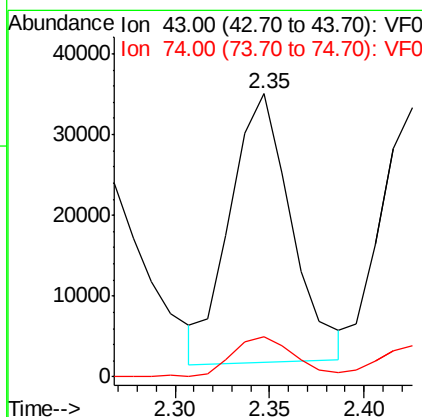
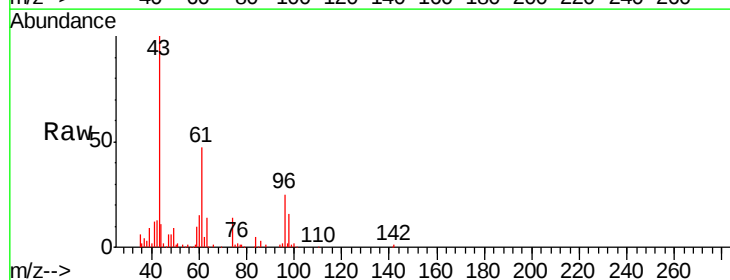
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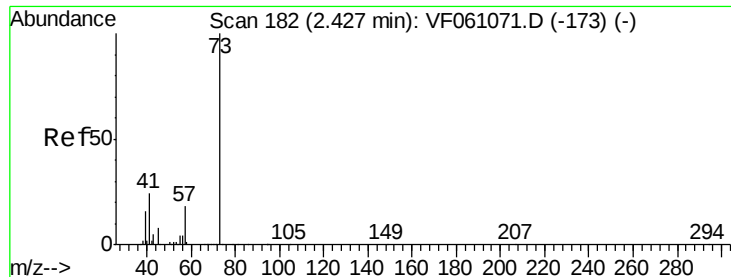
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#18
Methyl Acetate
Concen: 90.544 ug/l
RT: 2.35 min Scan# 174
Delta R.T. -0.00 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Tgt Ion: 43 Resp: 74534
Ion Ratio Lower Upper
43 100
74 14.4 11.0 16.6





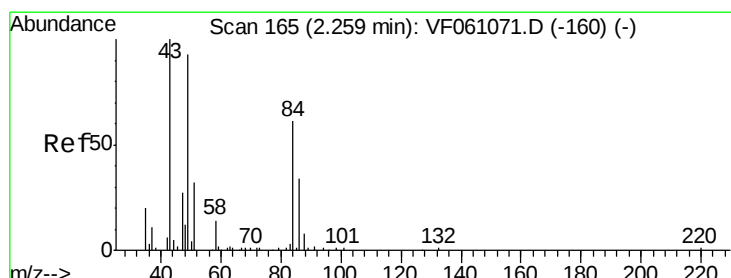
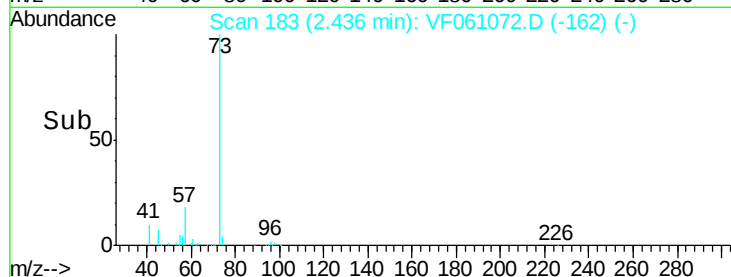
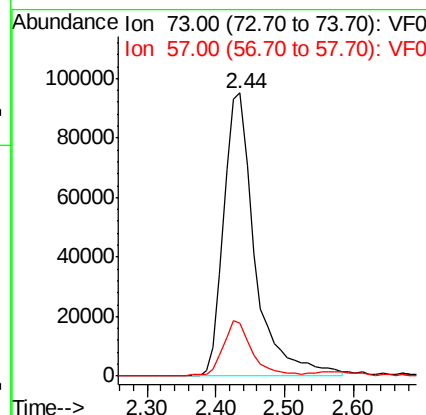
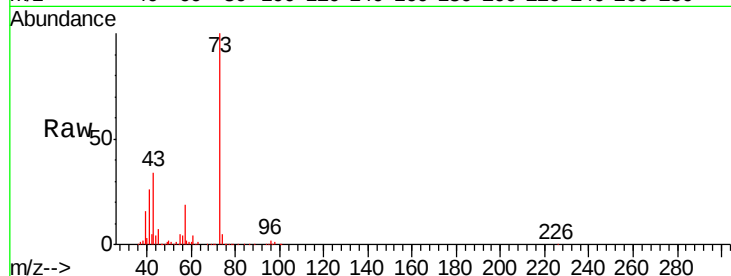
#19
Methyl tert-butyl Ether
Concen: 84.101 ug/l
RT: 2.44 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion: 73 Resp: 299873
Ion Ratio Lower Upper
73 100
57 18.5 14.5 21.7

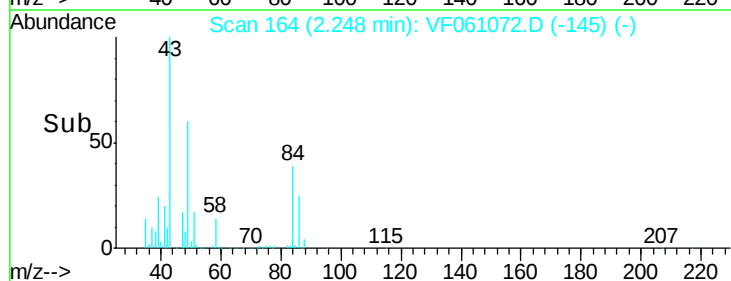
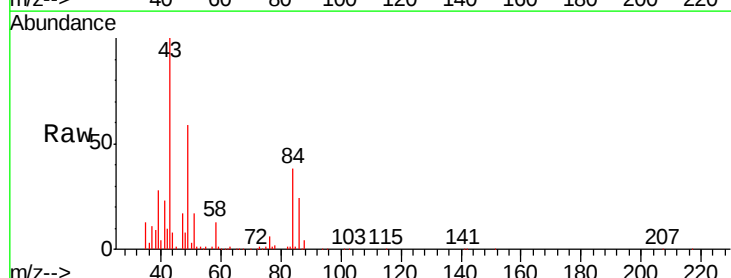
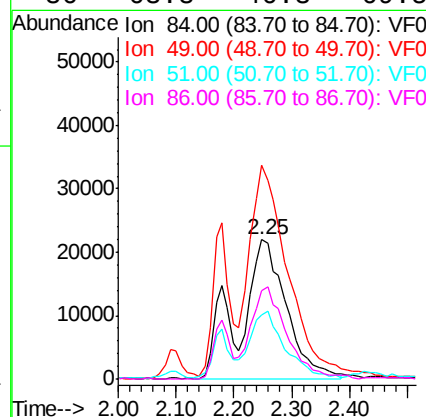
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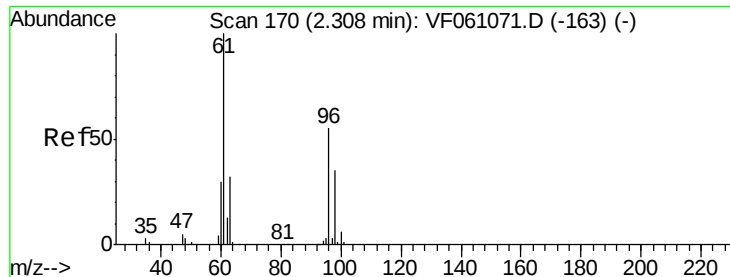
apatel
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#20
Methylene Chloride
Concen: 83.015 ug/l m
RT: 2.25 min Scan# 164
Delta R.T. -0.01 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Tgt Ion: 84 Resp: 126402
Ion Ratio Lower Upper
84 100
49 153.4 129.4 194.2
51 45.6 44.0 66.0
86 63.8 46.3 69.5





#21

trans-1,2-Dichloroethene

Concen: 86.795 ug/l m

RT: 2.31 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

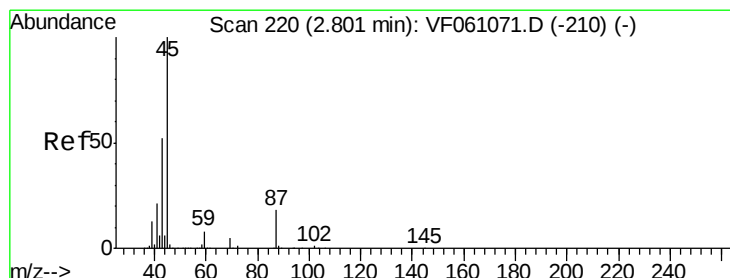
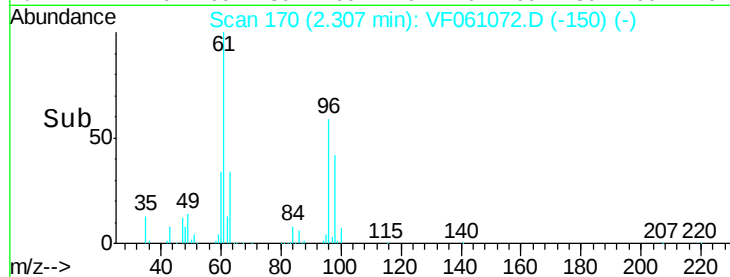
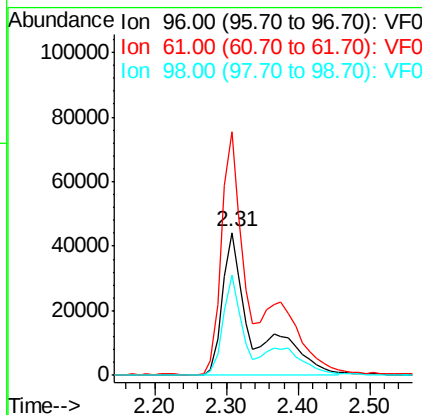
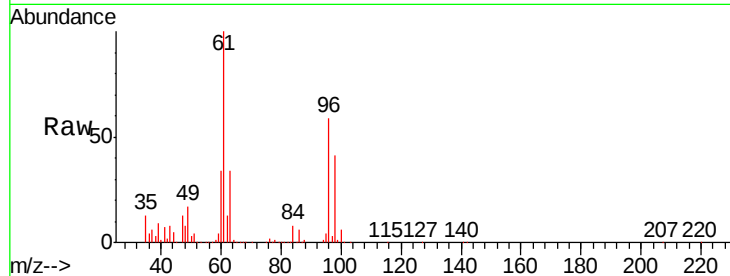
ClientSampleId :

VSTDIC075

Tgt Ion:	96	Resp:	133650
Ion	Ratio	Lower	Upper
96	100		
61	170.6	146.0	219.0
98	70.4	51.6	77.4

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#22

Diisopropyl ether

Concen: 84.847 ug/l

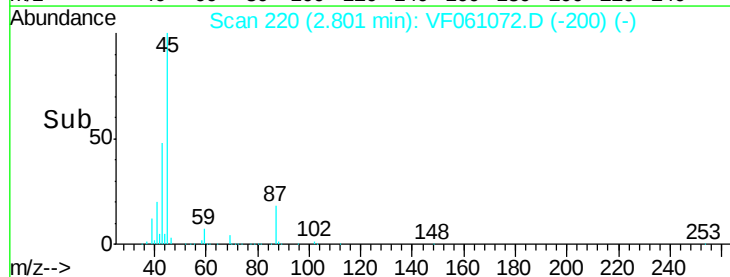
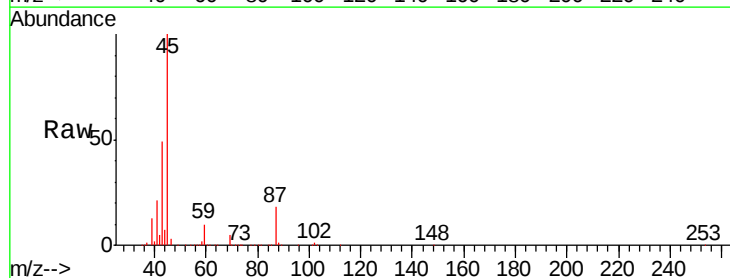
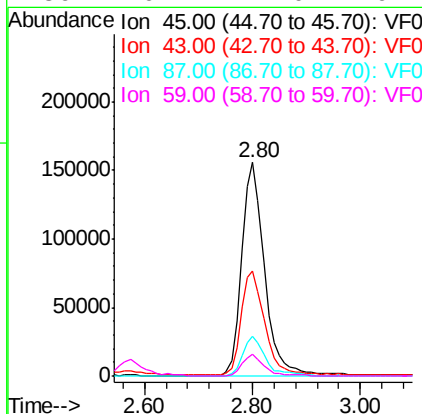
RT: 2.80 min Scan# 220

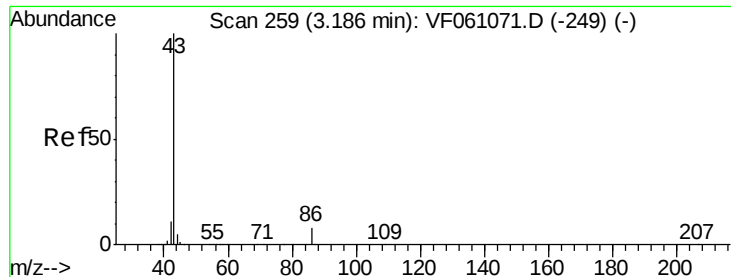
Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Tgt Ion:	45	Resp:	457634
Ion	Ratio	Lower	Upper
45	100		
43	49.4	42.2	63.2
87	18.4	14.6	22.0
59	10.2	7.0	10.4





#23

Vinyl Acetate

Concen: 413.767 ug/l

RT: 3.19 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tgt Ion: 43 Resp: 1024274

Ion Ratio Lower Upper

43 100

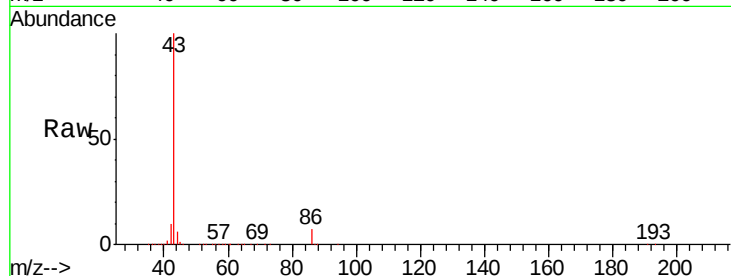
86 7.5 6.3 9.5

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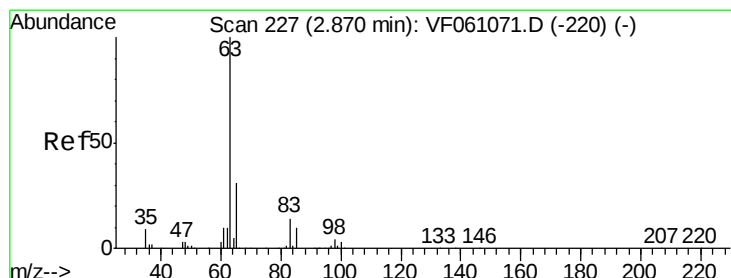
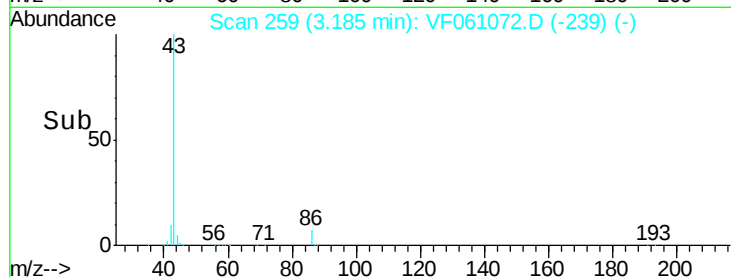
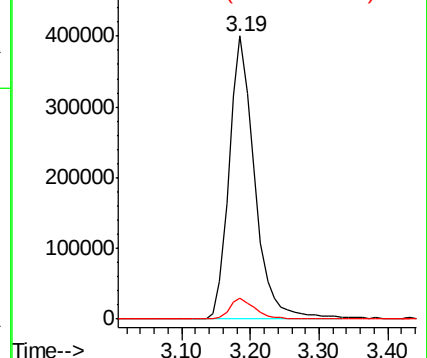
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 83.696 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

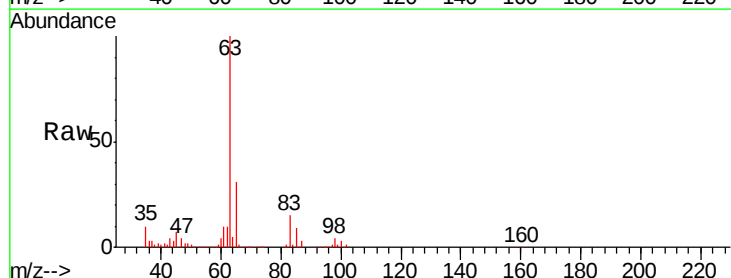
Tgt Ion: 63 Resp: 268192

Ion Ratio Lower Upper

63 100

98 4.0 2.1 6.5

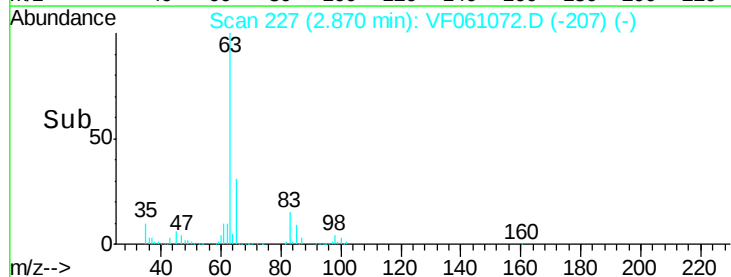
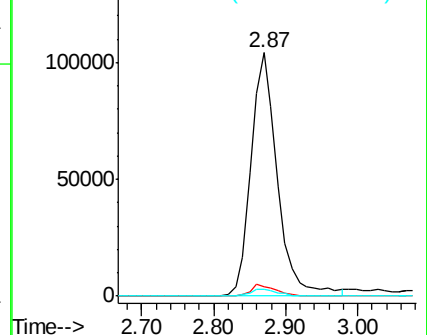
100 2.9 1.7 5.1

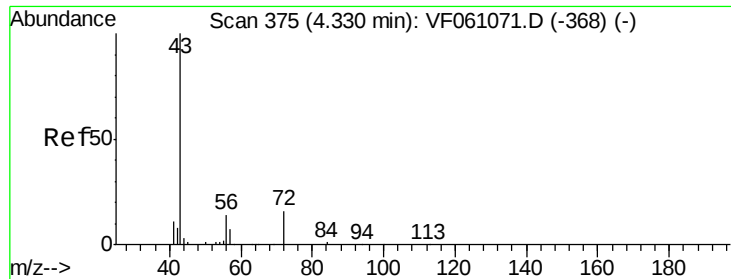


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 383.281 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tgt Ion: 43 Resp: 288214

Ion Ratio Lower Upper

43 100

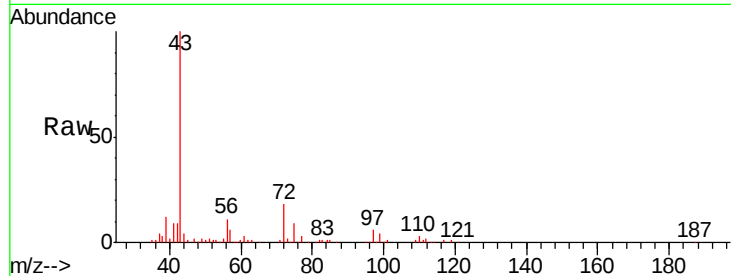
72 17.6 15.6 23.4

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

80000

60000

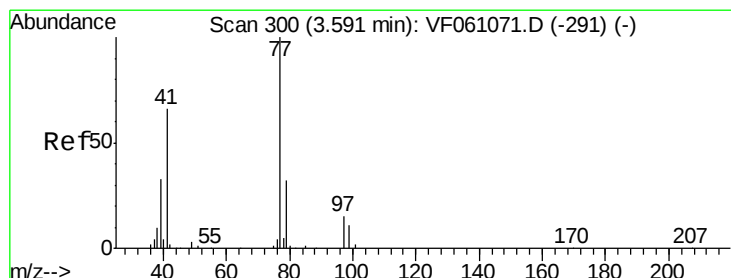
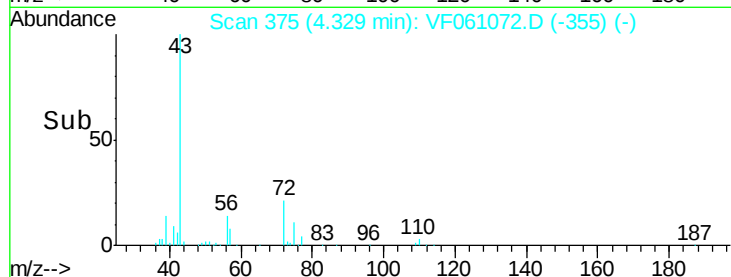
40000

20000

0

4.20 4.30 4.40 4.50

Time-->



#26

2,2-Dichloropropane

Concen: 70.162 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.01 min

Lab File: VF061072.D

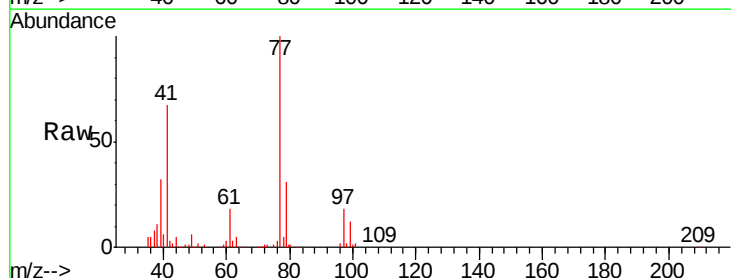
Acq: 18 Dec 2018 20:20

Tgt Ion: 77 Resp: 142202

Ion Ratio Lower Upper

77 100

97 18.1 8.2 24.4



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

40000

30000

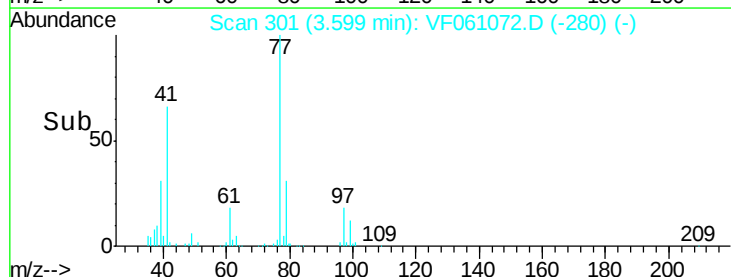
20000

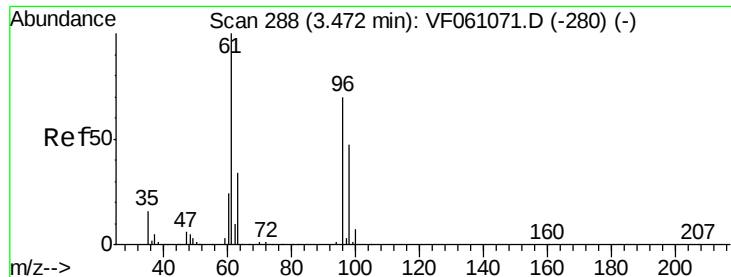
10000

0

3.40 3.50 3.60 3.70 3.80

Time-->





#27

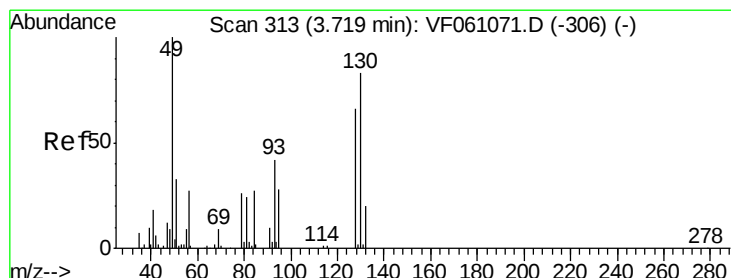
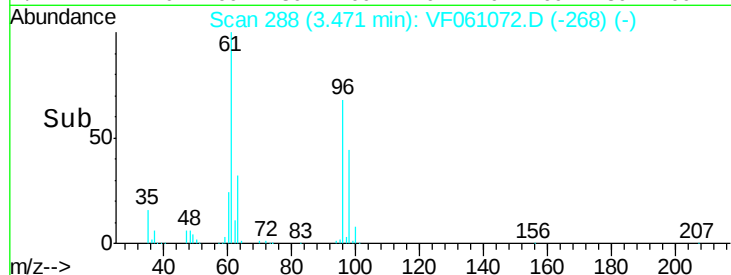
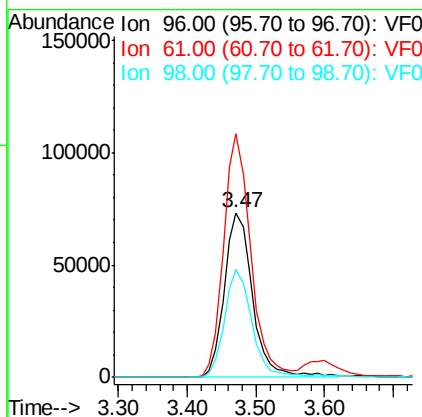
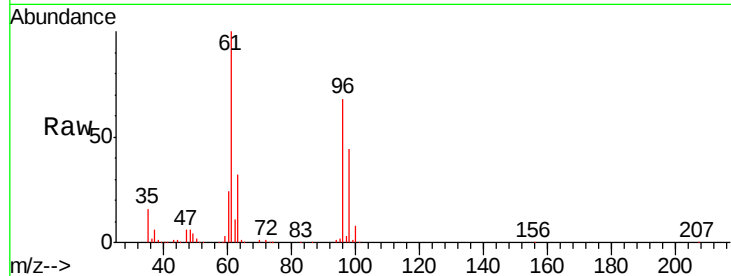
cis-1,2-Dichloroethene
Concen: 83.547 ug/l
RT: 3.47 min Scan# 288
Delta R.T. -0.00 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Instrument :
MSVOA_F
ClientSampled :
VSTDIC075

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	208518		
61	147.9	0.0	287.8	
98	65.2	0.0	134.2	

Manual Integrations
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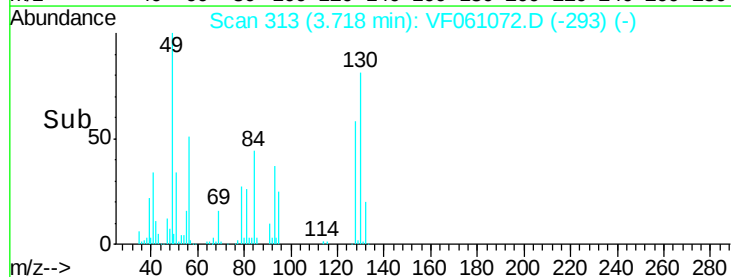
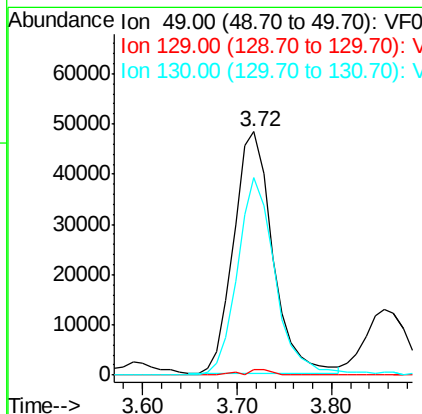
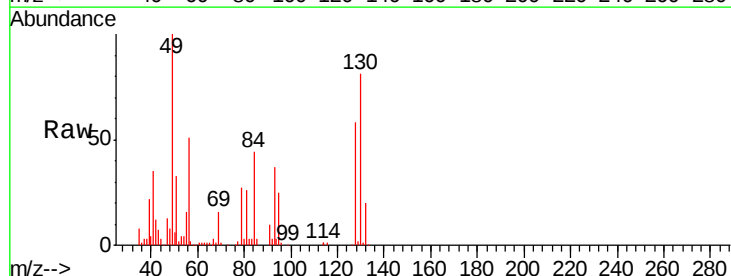
apatel
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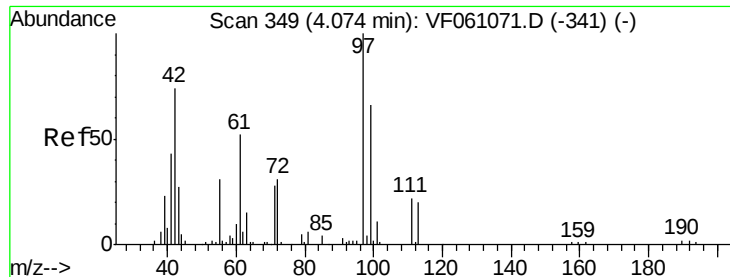


#28

Bromochloromethane
Concen: 88.461 ug/l
RT: 3.72 min Scan# 313
Delta R.T. -0.00 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	139150		
129	2.2	0.0	3.6	
130	80.9	65.8	98.6	





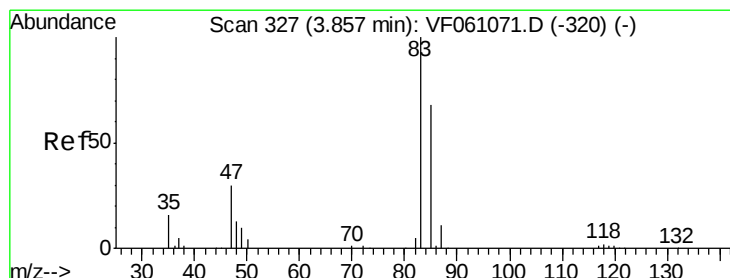
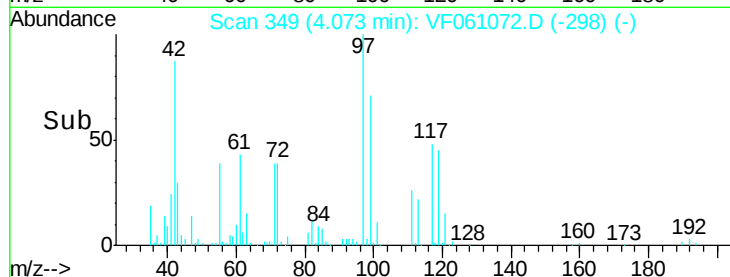
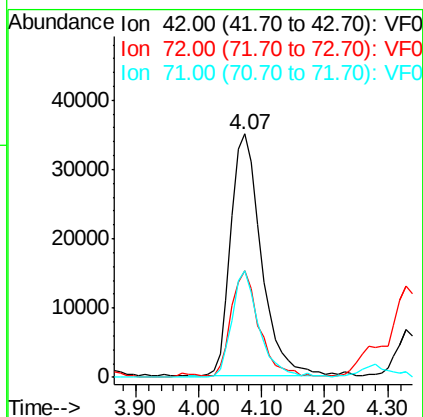
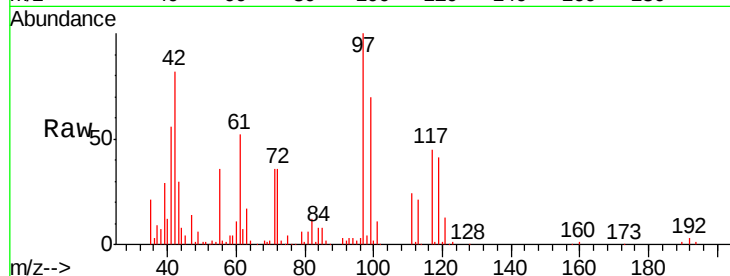
#29
Tetrahydrofuran
Concen: 368.777 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.00 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.1	31.8	47.8
71	39.3	29.7	44.5

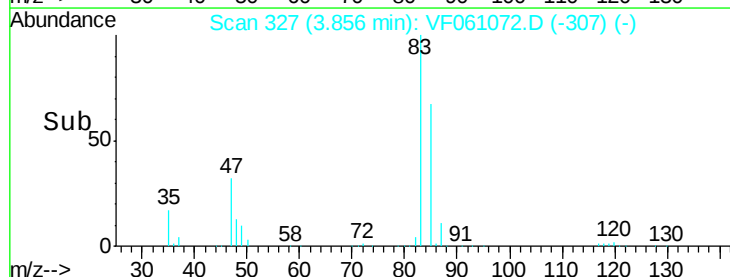
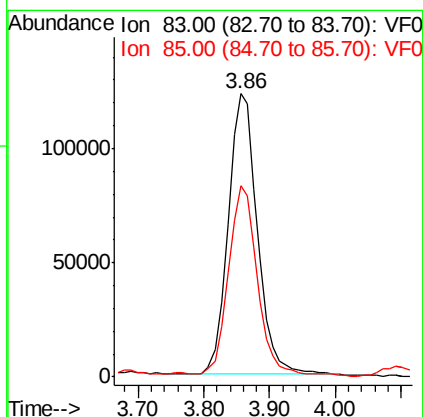
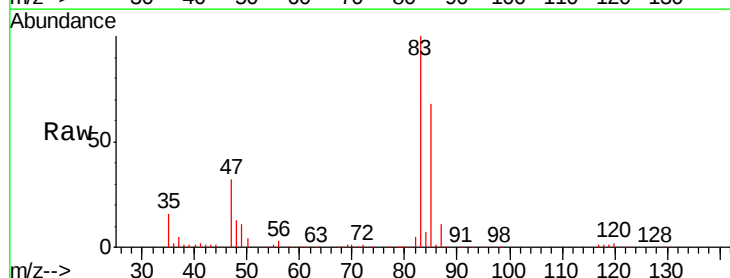
Manual Integrations
APPROVED

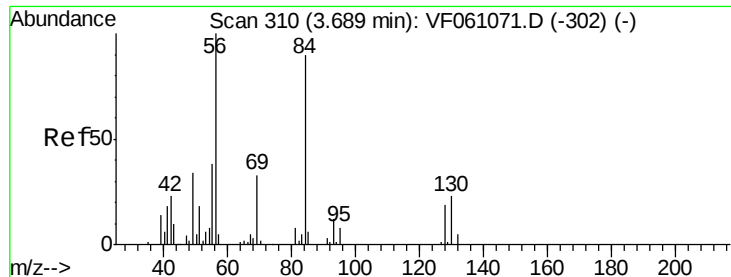
apatel
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#30
Chloroform
Concen: 76.826 ug/l
RT: 3.86 min Scan# 327
Delta R.T. -0.00 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.6	54.5	81.7





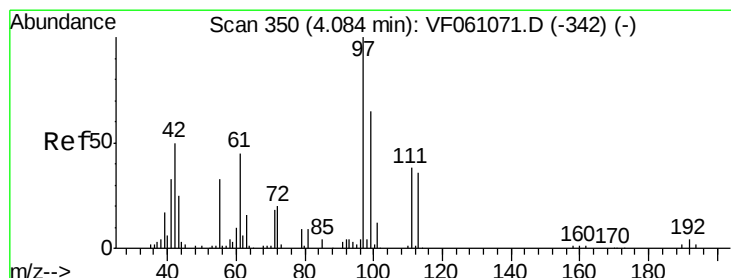
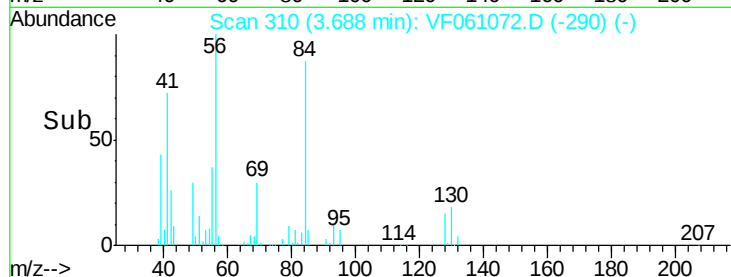
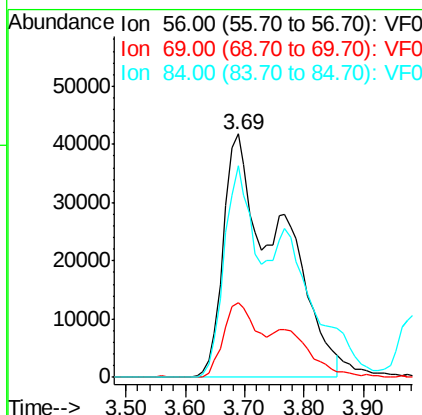
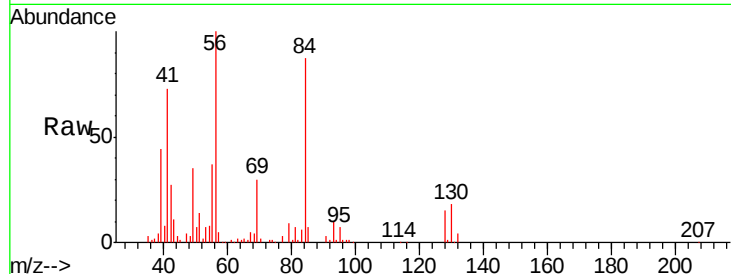
#31
Cyclohexane
Concen: 82.170 ug/l m
RT: 3.69 min Scan# 310
Delta R.T. -0.00 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.4	26.0	39.0
84	86.9	71.4	107.2

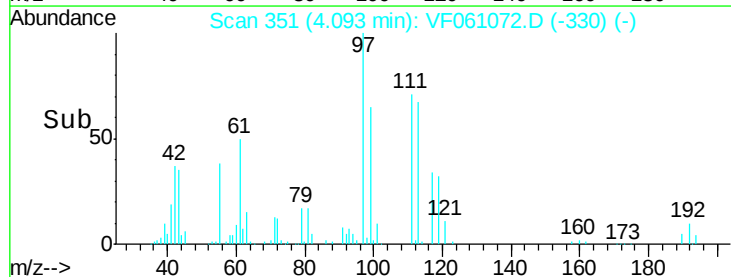
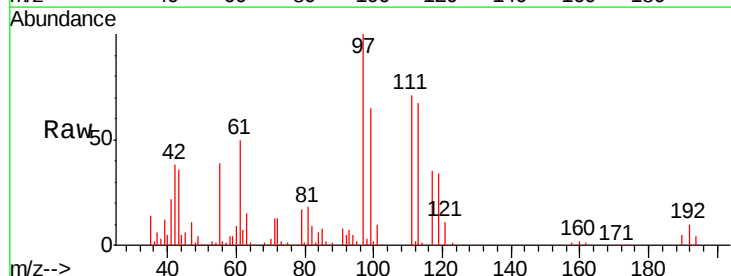
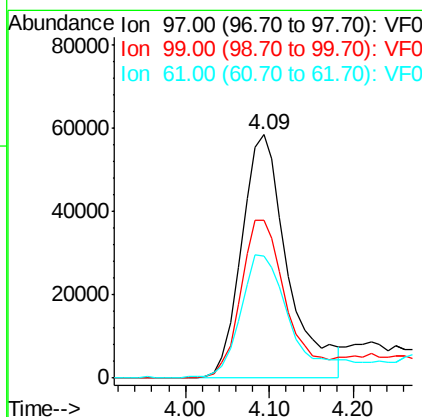
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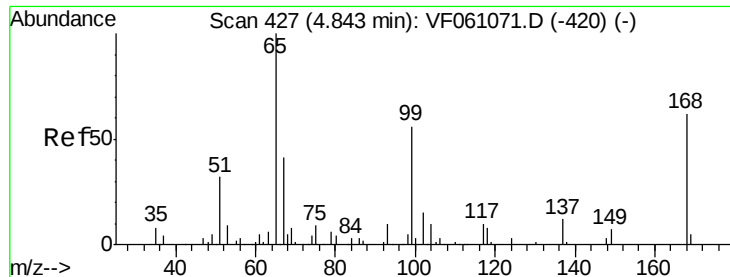
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#32
1,1,1-Trichloroethane
Concen: 68.475 ug/l
RT: 4.09 min Scan# 351
Delta R.T. 0.01 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.6	77.4
61	49.9	36.2	54.2





#33

1,2-Dichloroethane-d4

Concen: 88.767 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Tgt Ion: 65 Resp: 205729
Ion Ratio Lower Upper

65 100

67 44.3 0.0 94.6

Instrument :

MSVOA_F

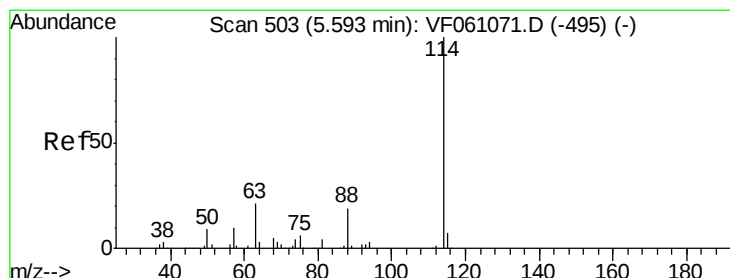
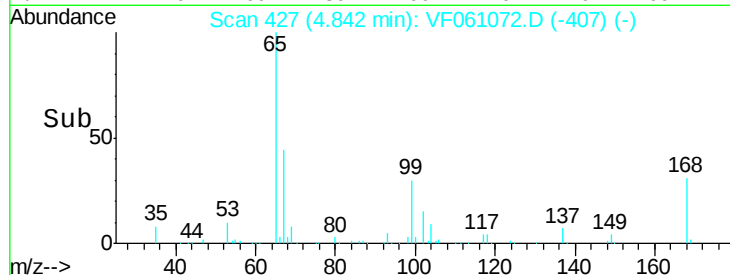
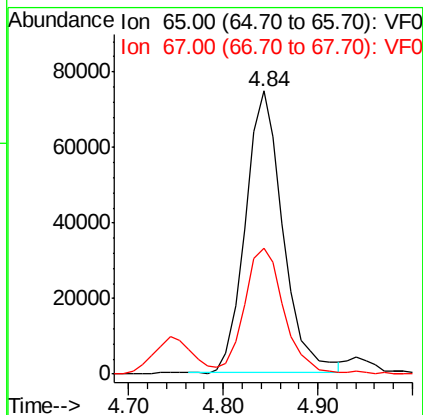
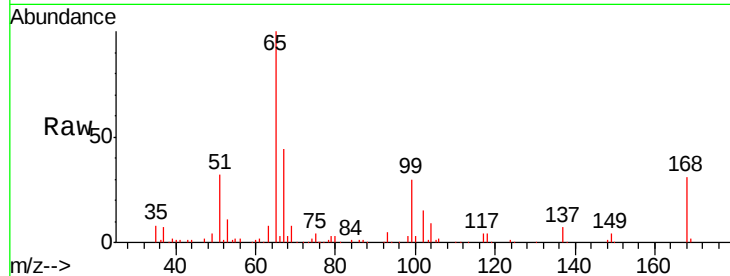
ClientSampleId :

VSTDIC075

Manual Integrations
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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.00 min

Lab File: VF061072.D

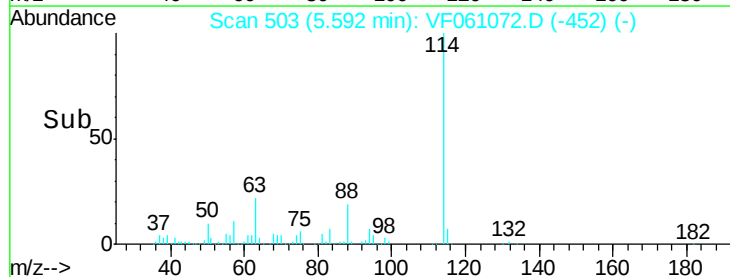
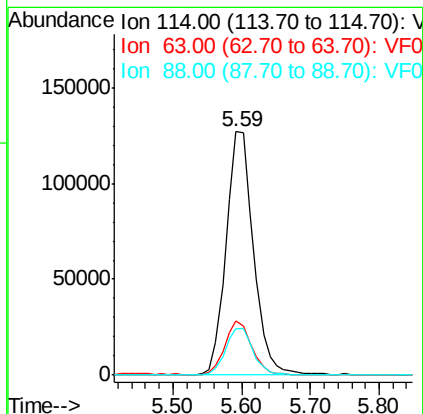
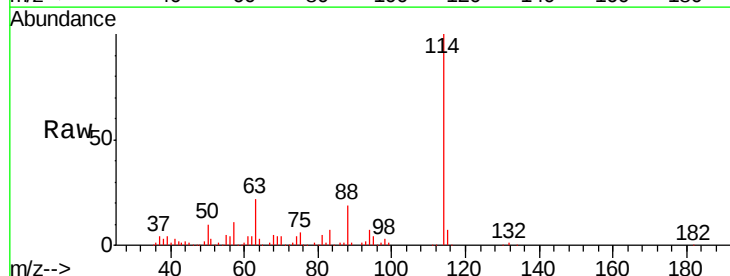
Acq: 18 Dec 2018 20:20

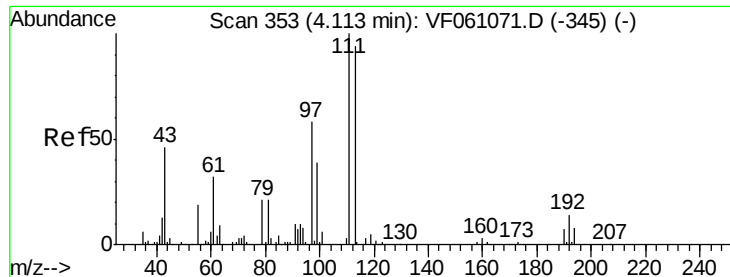
Tgt Ion: 114 Resp: 351731
Ion Ratio Lower Upper

114 100

63 22.1 0.0 41.6

88 19.0 0.0 38.0





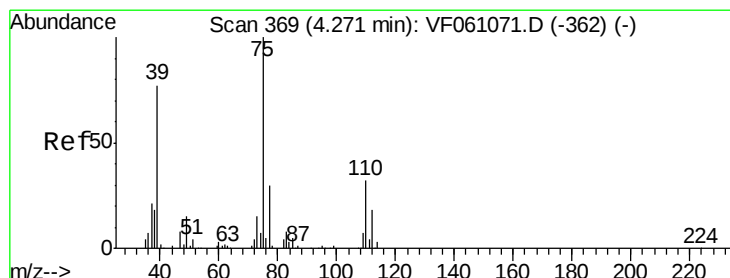
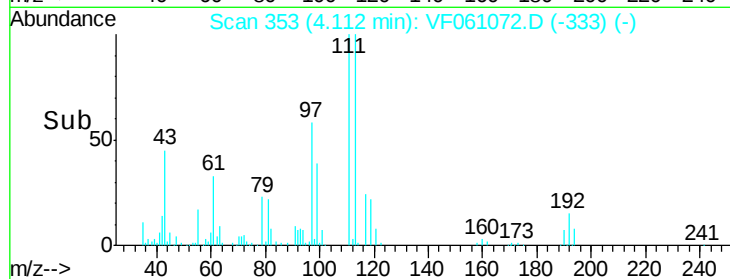
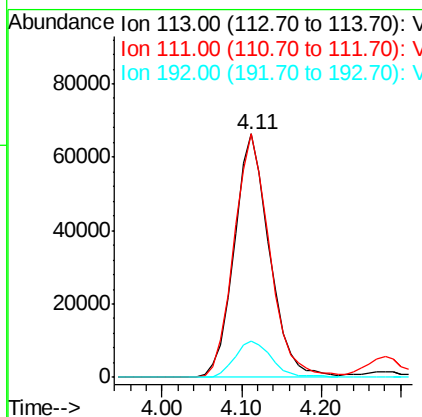
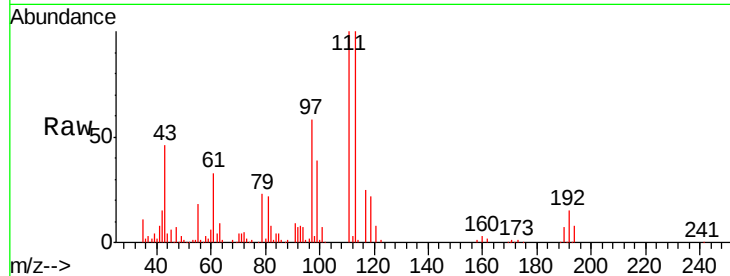
#35
 Dibromofluoromethane
 Concen: 74.210 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. -0.00 min
 Lab File: VF061072.D
 Acq: 18 Dec 2018 20:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	203253		
111	100.1	85.2	127.8	
192	14.7	12.8	19.2	

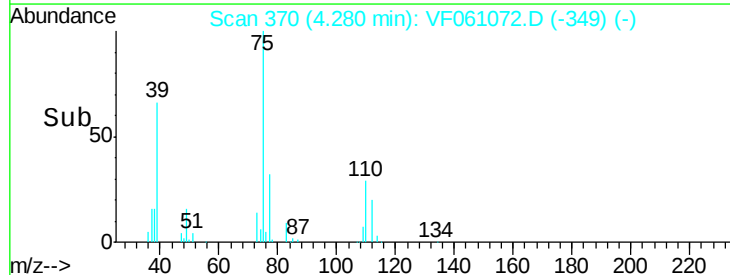
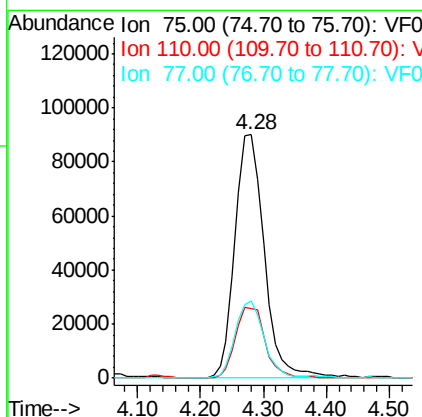
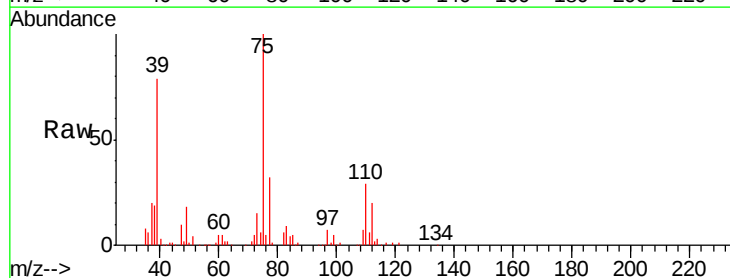
Manual Integrations
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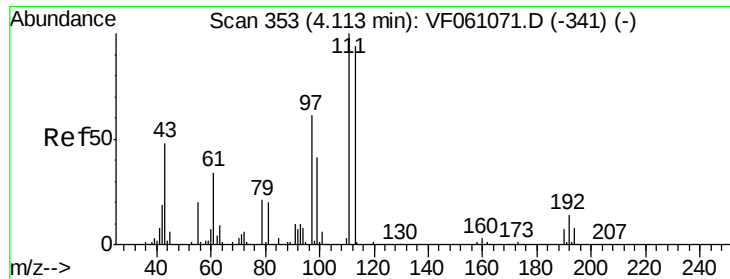
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#36
 1,1-Dichloropropene
 Concen: 73.544 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. 0.01 min
 Lab File: VF061072.D
 Acq: 18 Dec 2018 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	289663		
110	28.7	16.1	48.2	
77	31.8	24.5	36.7	





#37

Ethyl Acetate

Concen: 71.978 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

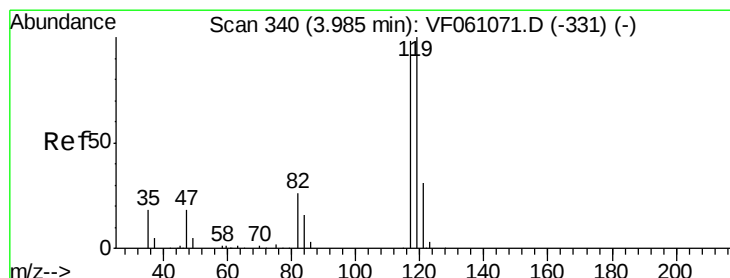
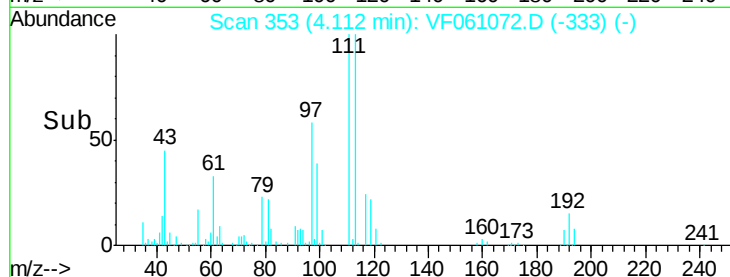
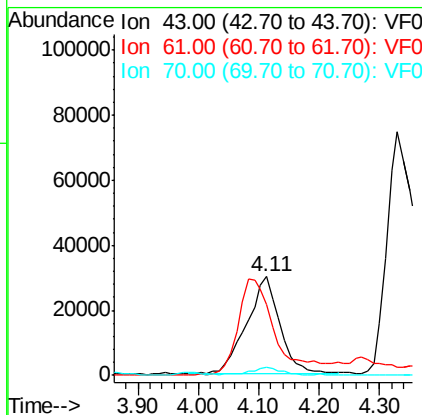
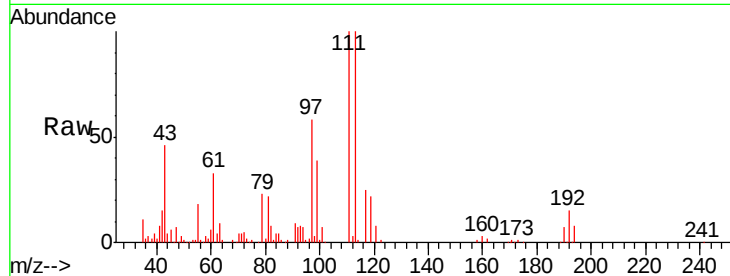
ClientSampleId :

VSTDIC075

Tgt Ion:	43	Resp:	114519
Ion Ratio	Lower	Upper	
43	100		
61	72.4	56.6	84.8
70	8.7	6.3	9.5

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 67.027 ug/l

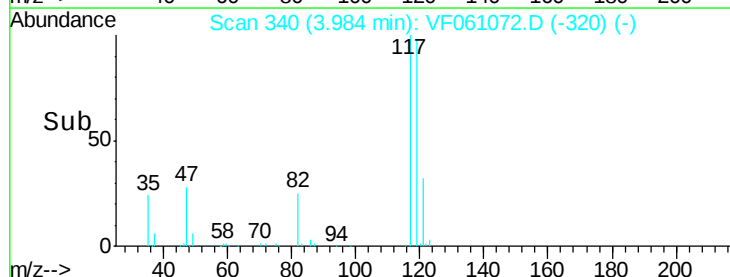
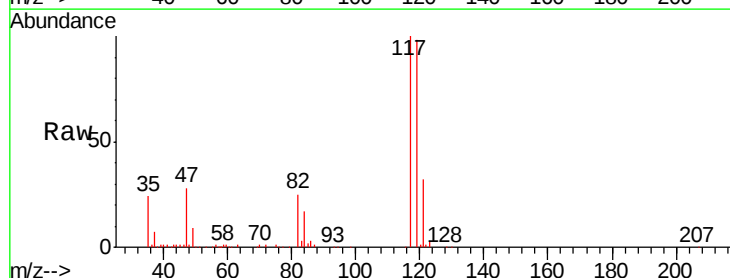
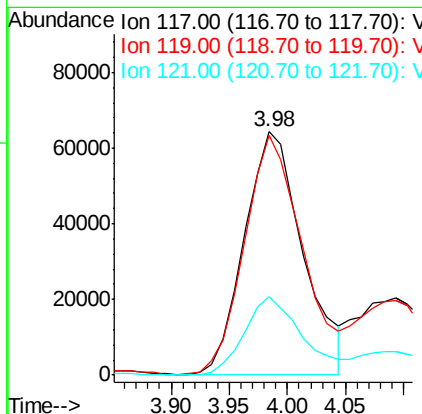
RT: 3.98 min Scan# 340

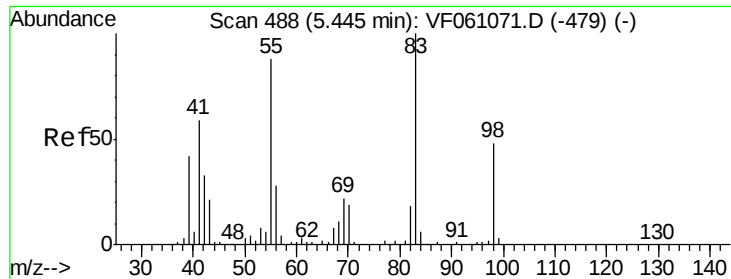
Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Tgt Ion:	117	Resp:	223528
Ion Ratio	Lower	Upper	
117	100		
119	98.2	82.1	123.1
121	32.0	25.5	38.3





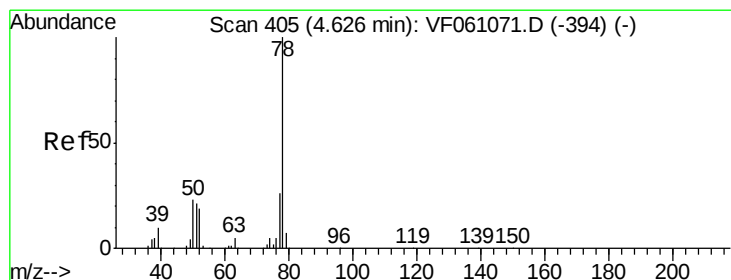
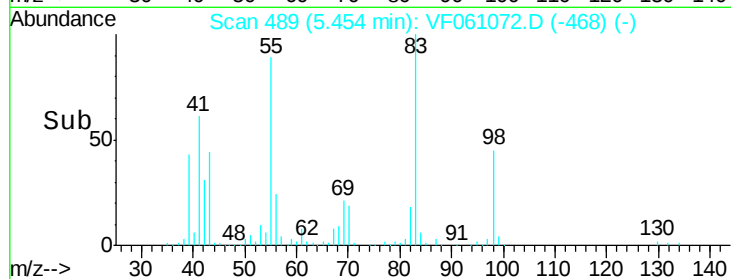
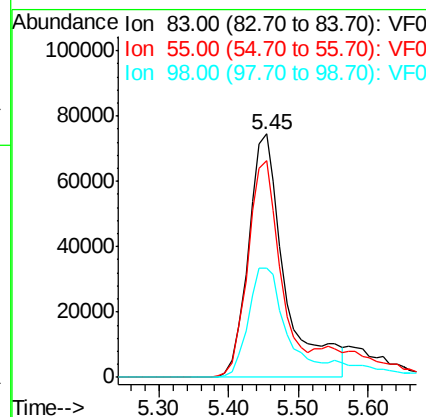
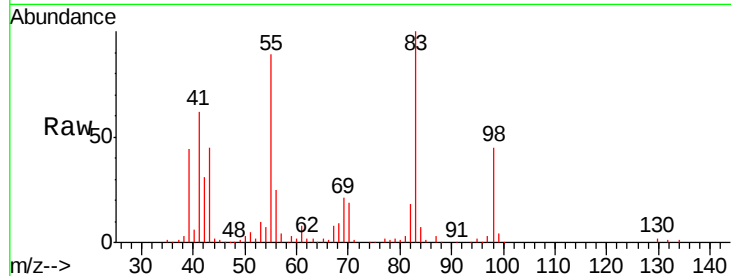
#39
Methylcyclohexane
Concen: 66.738 ug/l m
RT: 5.45 min Scan# 489
Delta R.T. 0.01 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion	Ratio	Lower	Upper
83	100		
55	88.8	70.6	105.8
98	45.0	38.5	57.7

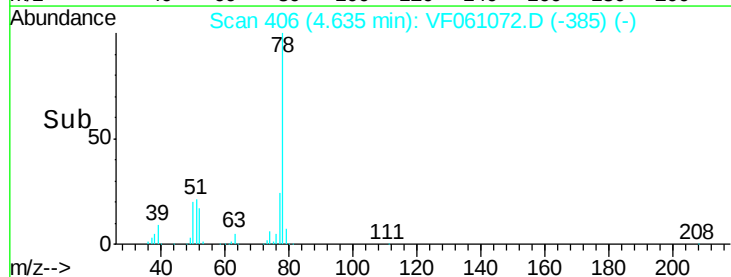
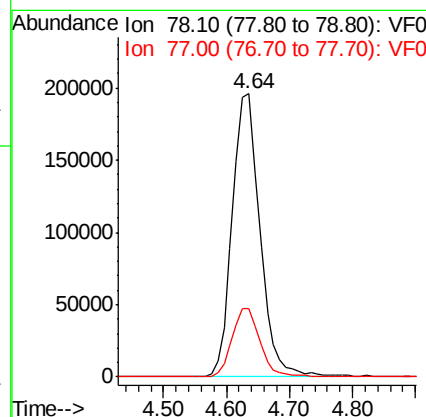
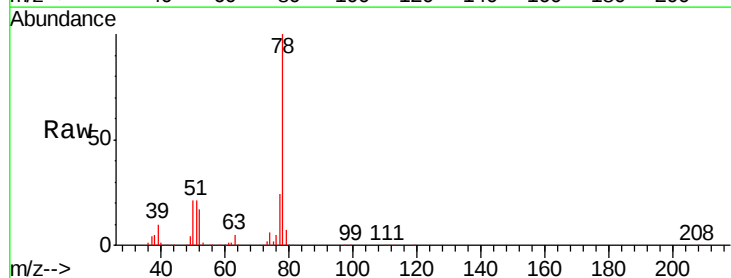
Manual Integrations
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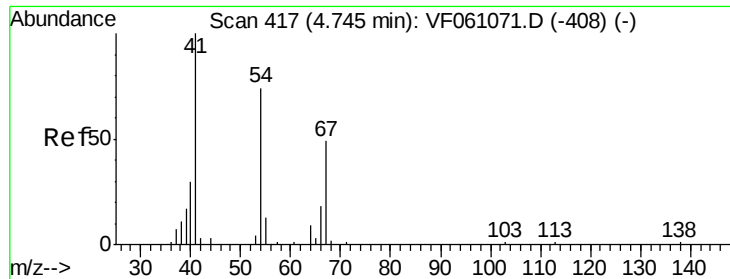
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#40
Benzene
Concen: 69.128 ug/l
RT: 4.64 min Scan# 406
Delta R.T. 0.01 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	20.7	31.1





#41

Methacrylonitrile

Concen: 63.020 ug/l

RT: 4.74 min Scan# 417

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

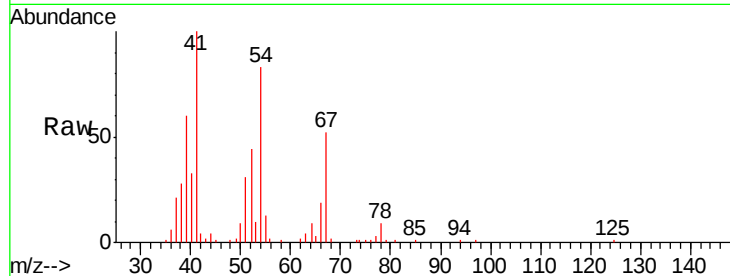
ClientSampleId :

VSTDIC075

Tgt Ion:	41	Resp:	59357
Ion Ratio	Lower	Upper	
41	100		
39	59.9	45.7	68.5
67	52.3	38.9	58.3
52	44.3	35.2	52.8

Manual Integrations
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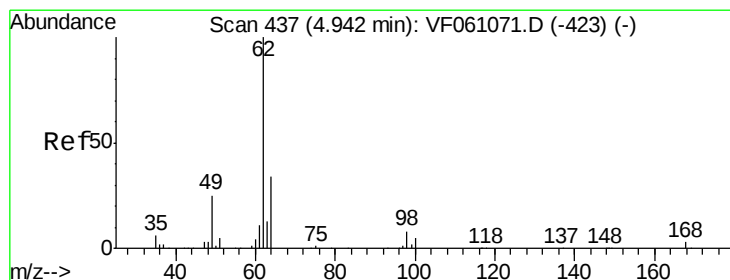
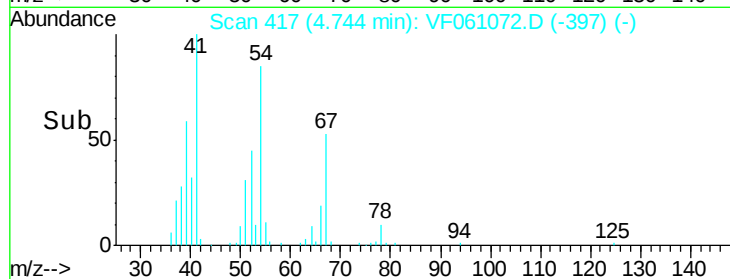
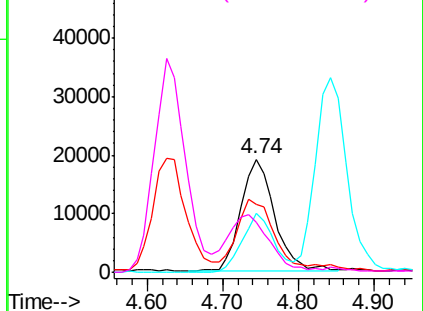


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 80.296 ug/l

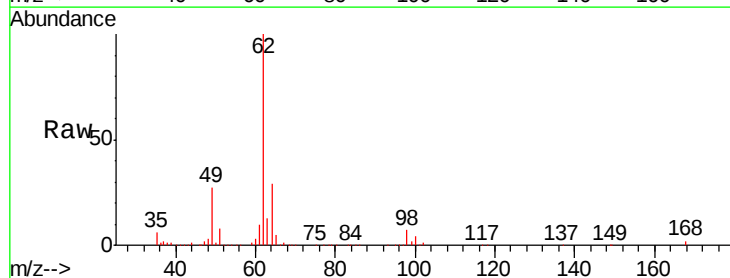
RT: 4.94 min Scan# 437

Delta R.T. -0.00 min

Lab File: VF061072.D

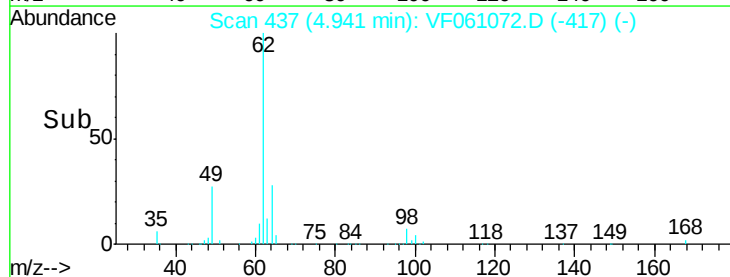
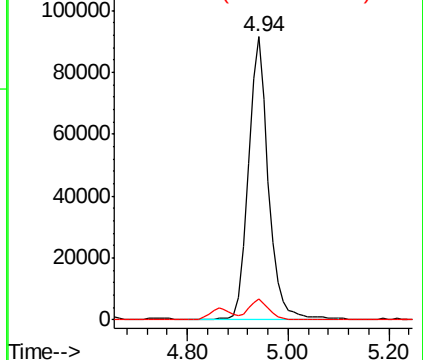
Acq: 18 Dec 2018 20:20

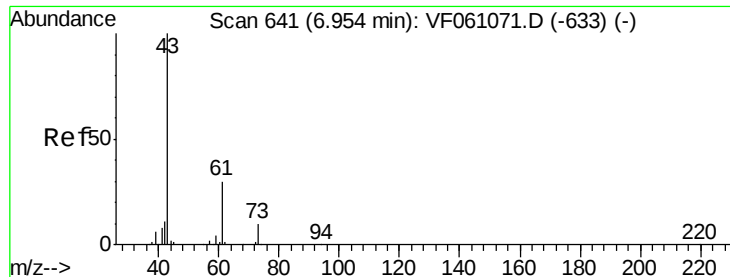
Tgt Ion:	62	Resp:	253637
Ion Ratio	Lower	Upper	
62	100		
98	7.5	0.0	16.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 71.947 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

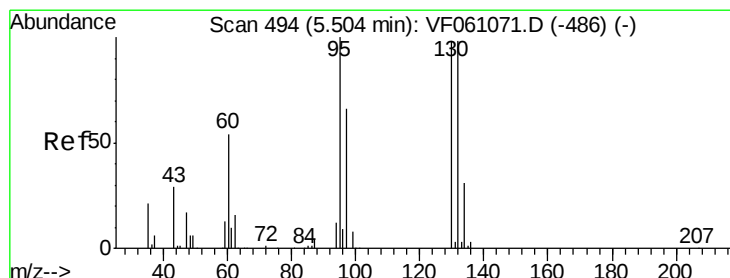
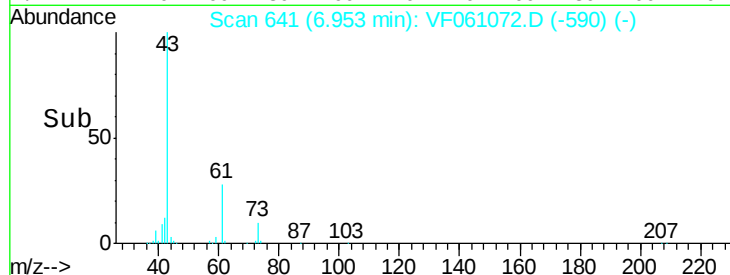
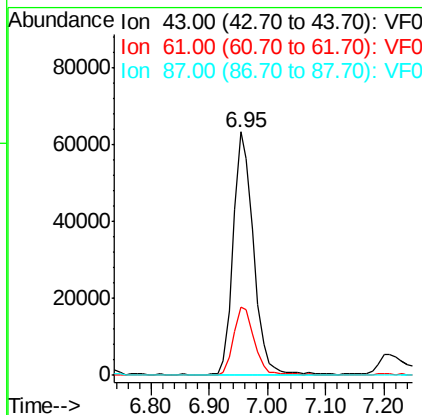
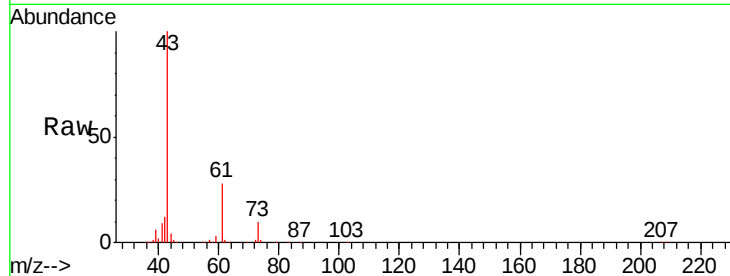
ClientSampleId :

VSTDIC075

Tgt Ion:	43	Resp:	153541
Ion Ratio	Lower	Upper	
43	100		
61	28.0	23.8	35.8
87	0.4	0.0	0.0#

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#44

Trichloroethene

Concen: 68.074 ug/l

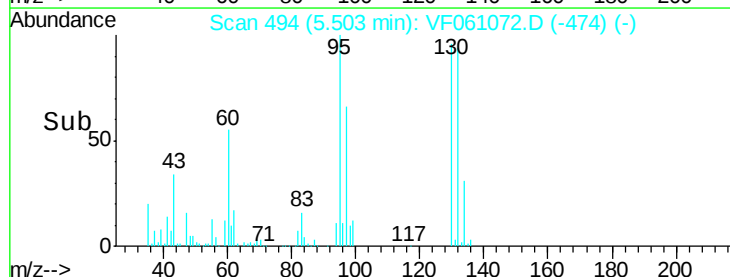
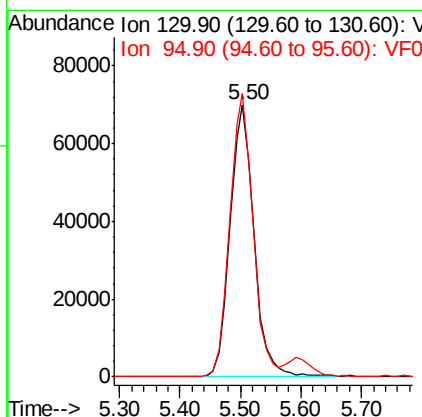
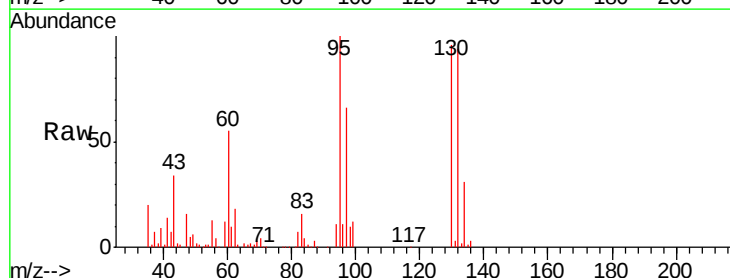
RT: 5.50 min Scan# 494

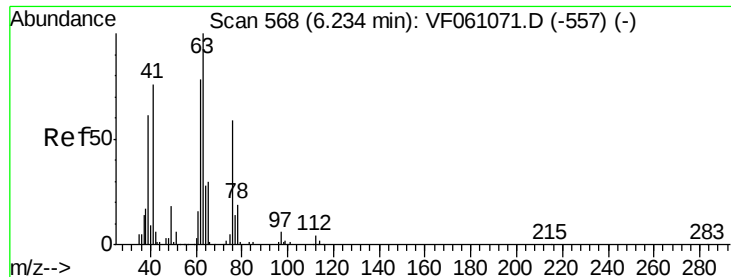
Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Tgt Ion:	130	Resp:	192365
Ion Ratio	Lower	Upper	
130	100		
95	104.1	0.0	205.2





#45

1,2-Dichloropropane

Concen: 78.418 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tgt Ion: 63 Resp: 175755

Ion Ratio Lower Upper

63 100

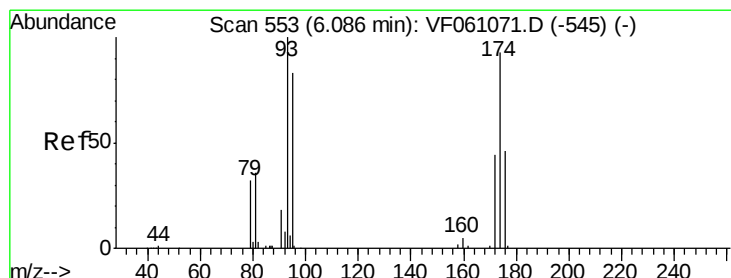
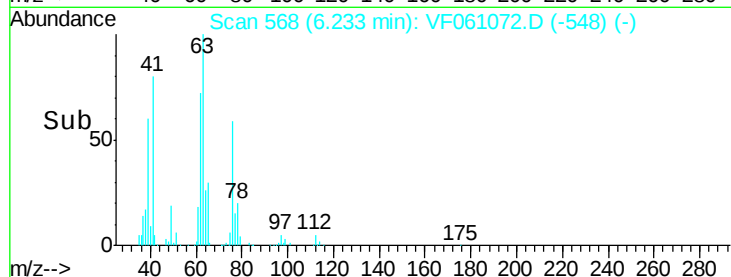
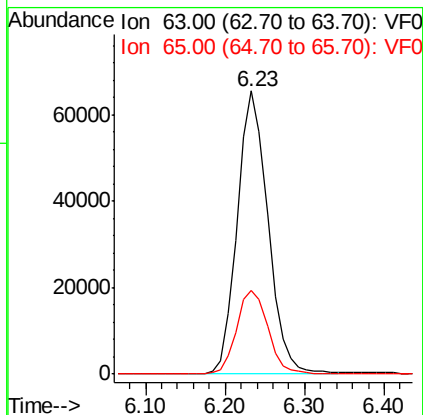
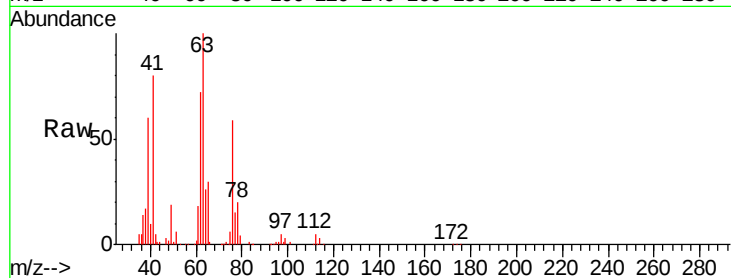
65 29.6 24.4 36.6

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#46

Dibromomethane

Concen: 76.892 ug/l

RT: 6.09 min Scan# 553

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

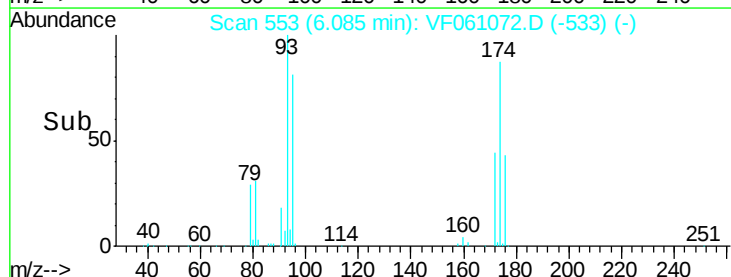
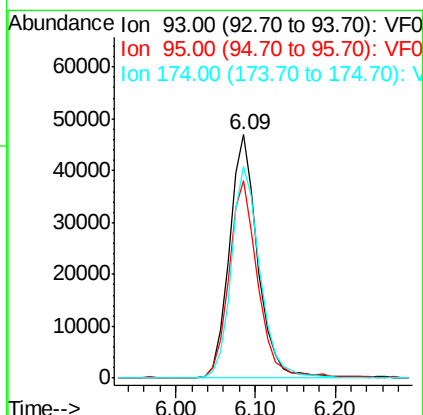
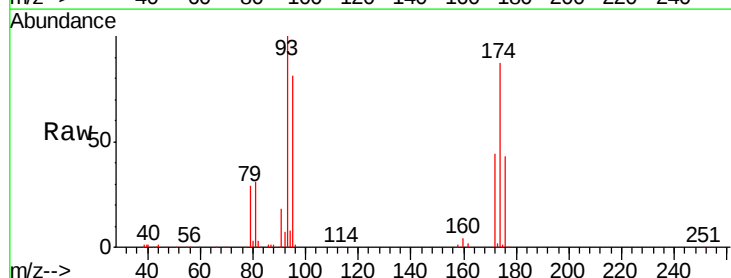
Tgt Ion: 93 Resp: 116727

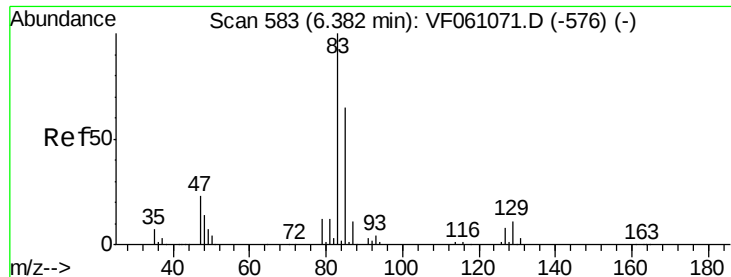
Ion Ratio Lower Upper

93 100

95 81.2 66.9 100.3

174 86.8 74.1 111.1





#47

Bromodichloromethane

Concen: 75.233 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

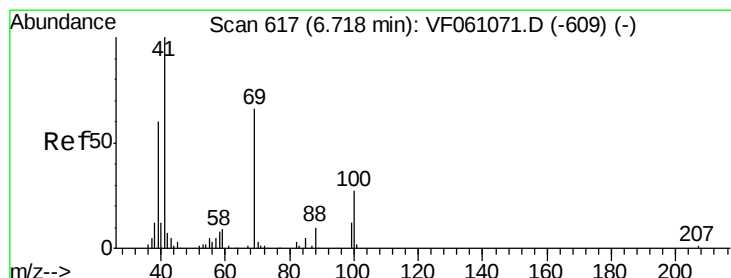
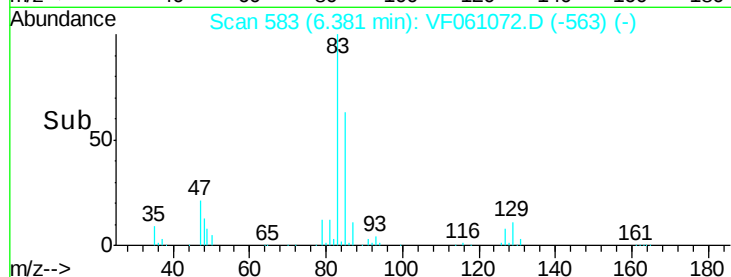
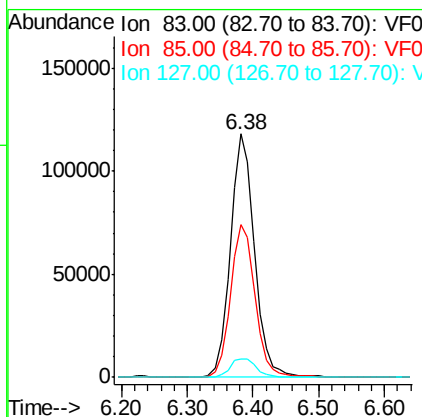
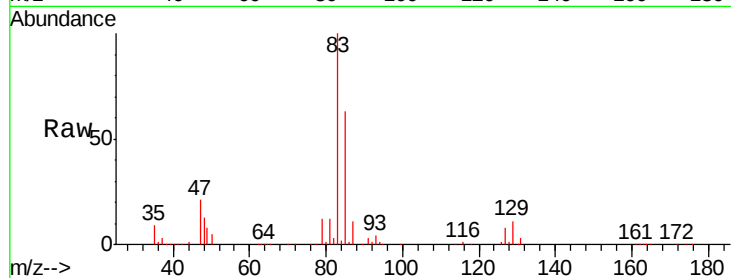
ClientSampleId :

VSTDIC075

Tgt Ion:	83	Resp:	304083
Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.2	78.4
127	7.7	6.1	9.1

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#48

Methyl methacrylate

Concen: 74.249 ug/l

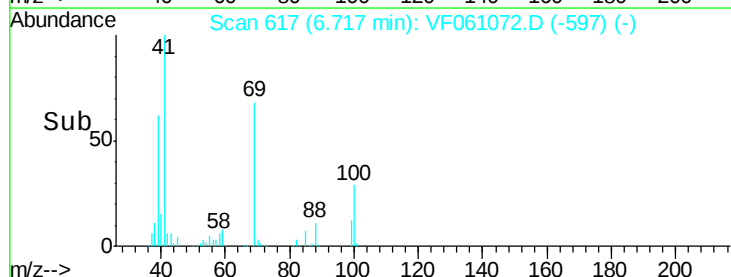
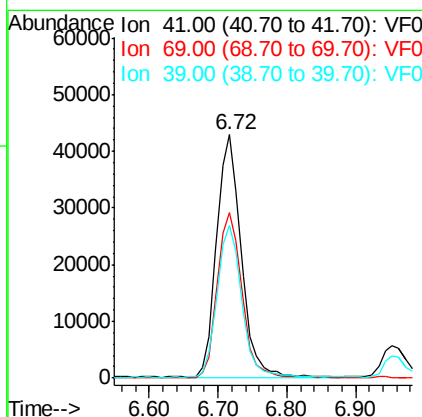
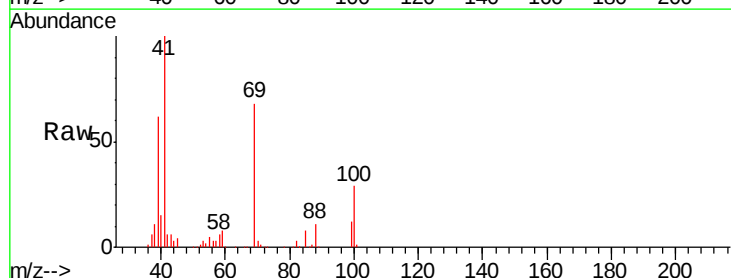
RT: 6.72 min Scan# 617

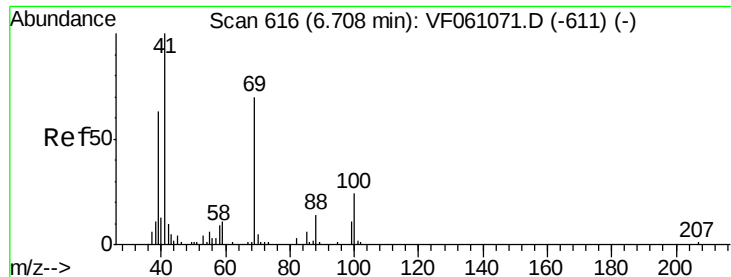
Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Tgt Ion:	41	Resp:	105906
Ion	Ratio	Lower	Upper
41	100		
69	68.0	52.7	79.1
39	62.5	47.8	71.6





#49

1,4-Dioxane

Concen: 1558.481 ug/l

RT: 6.71 min Scan# 616

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

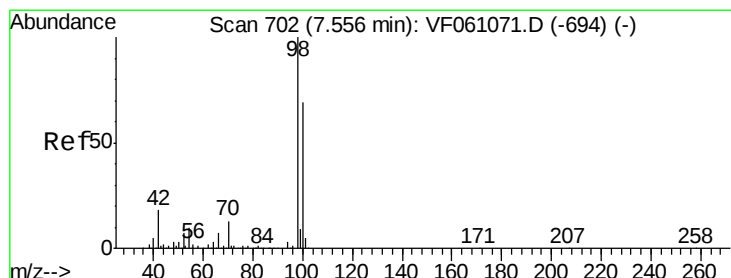
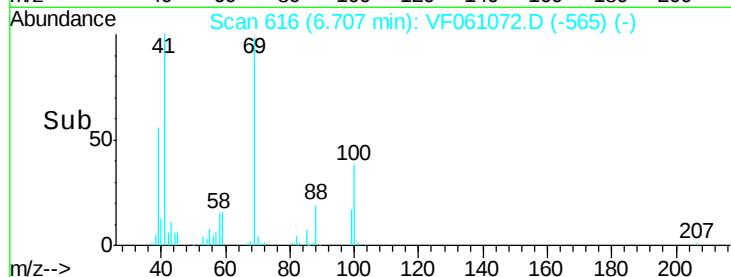
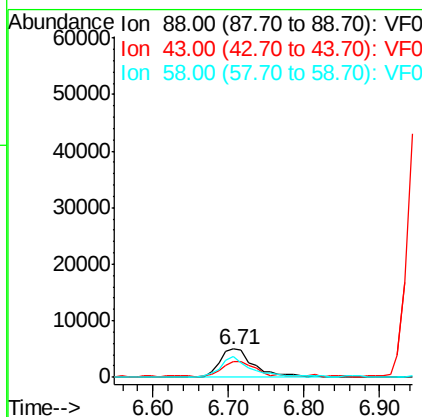
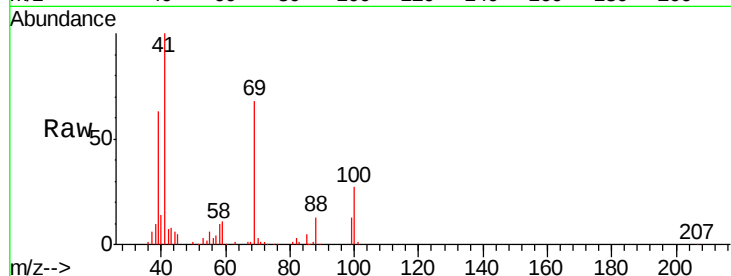
ClientSampleId :

VSTDIC075

Tgt Ion	Ratio	Lower	Upper
88	100		
43	57.8	33.3	49.9#
58	75.3	53.2	79.8

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#50

Toluene-d8

Concen: 72.956 ug/l

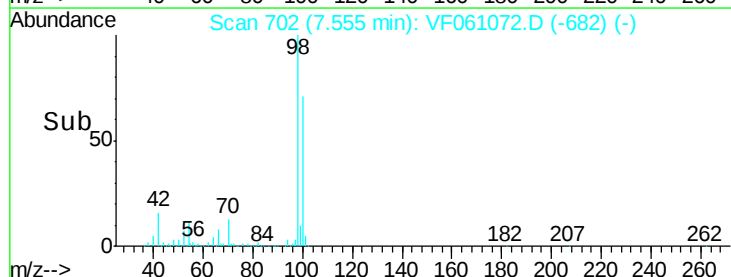
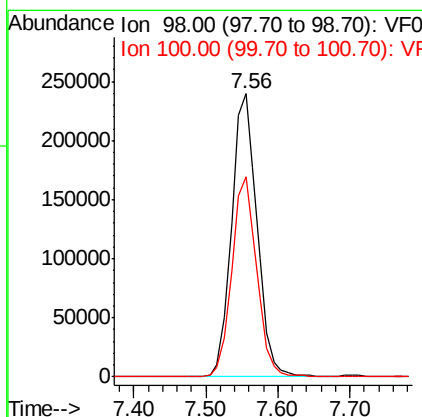
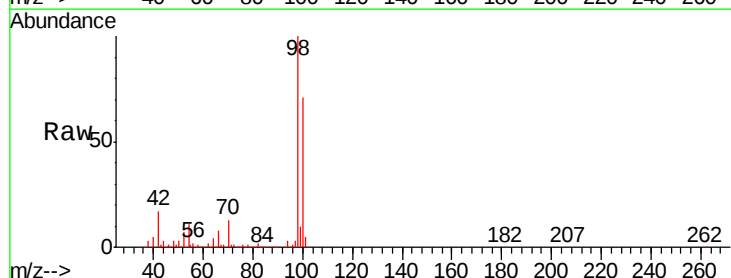
RT: 7.56 min Scan# 702

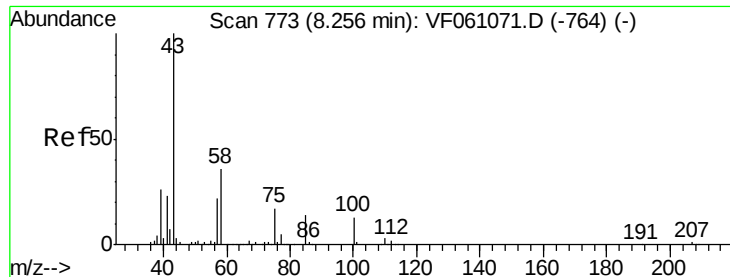
Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.7	55.3	82.9





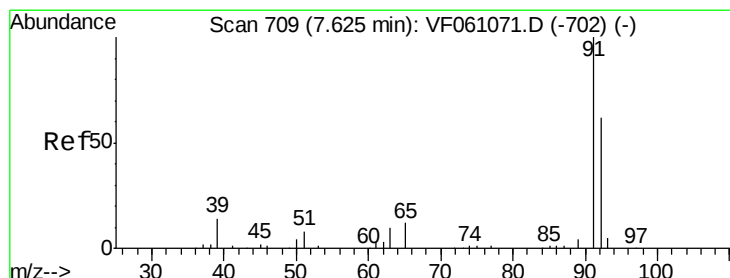
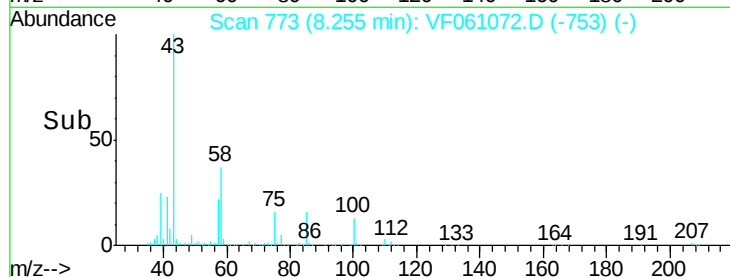
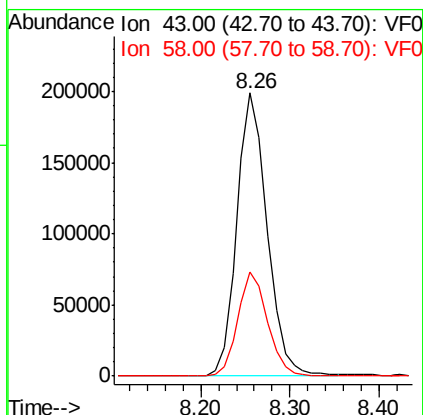
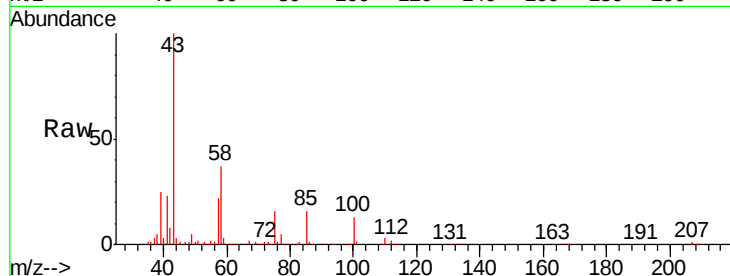
#51
4-Methyl-2-Pentanone
Concen: 322.924 ug/l
RT: 8.26 min Scan# 773
Delta R.T. -0.00 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion: 43 Resp: 468022
Ion Ratio Lower Upper
43 100
58 36.7 29.1 43.7

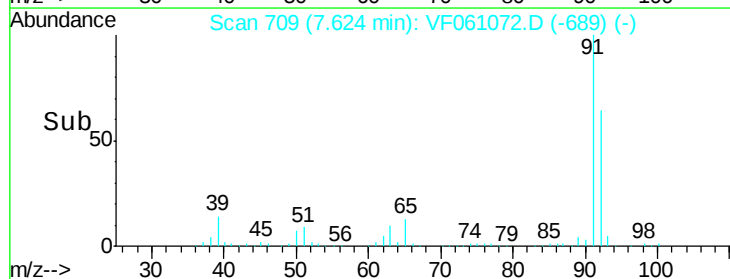
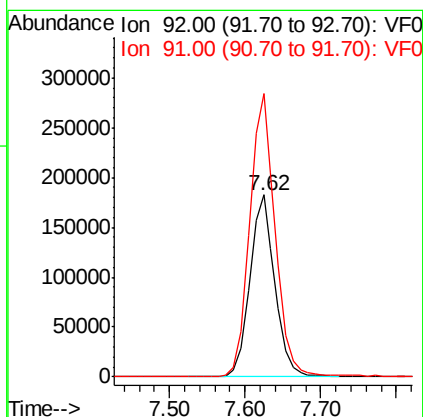
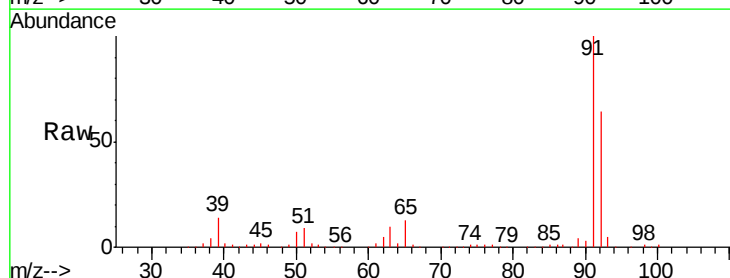
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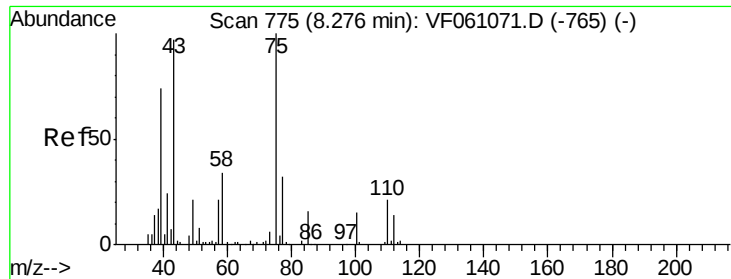
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#52
Toluene
Concen: 68.705 ug/l
RT: 7.62 min Scan# 709
Delta R.T. -0.00 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Tgt Ion: 92 Resp: 416783
Ion Ratio Lower Upper
92 100
91 155.8 128.8 193.2





#53

t-1,3-Dichloropropene

Concen: 71.310 ug/l

RT: 8.28 min Scan# 775

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tgt Ion: 75 Resp: 232702

Ion Ratio Lower Upper

75 100

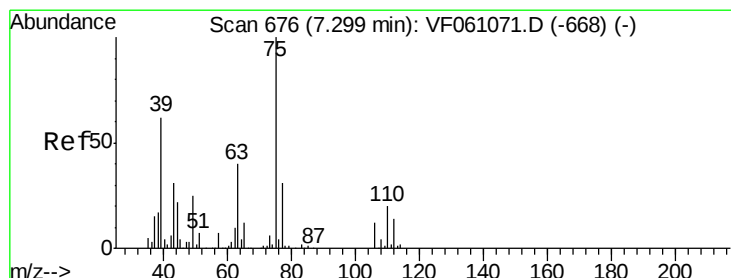
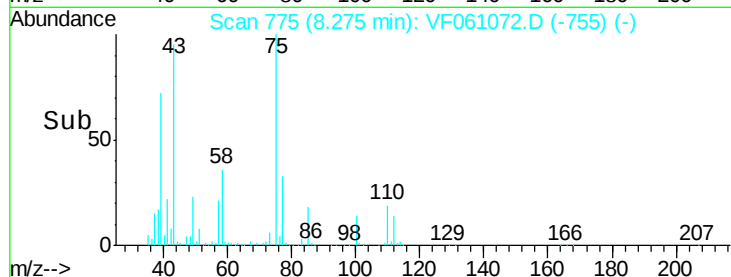
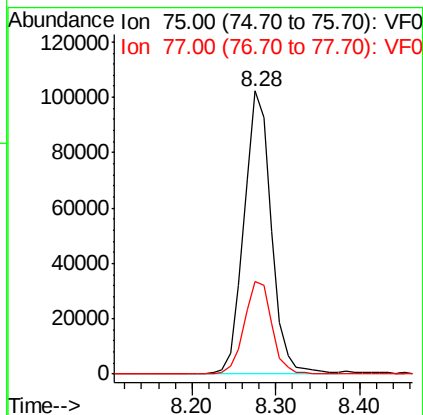
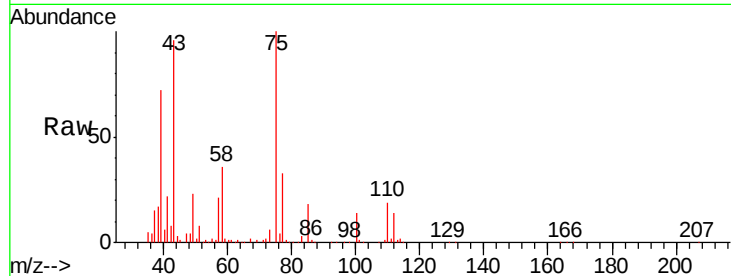
77 32.5 25.8 38.8

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#54

cis-1,3-Dichloropropene

Concen: 74.495 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

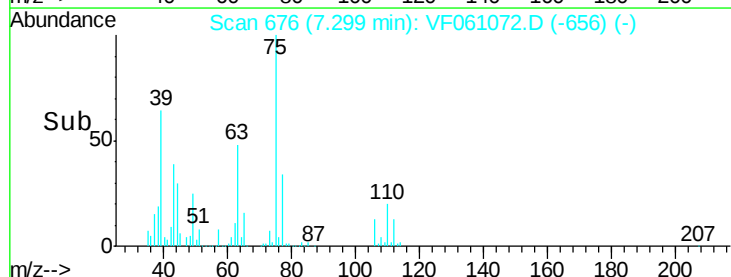
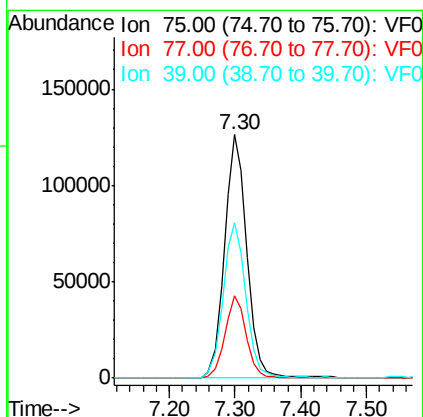
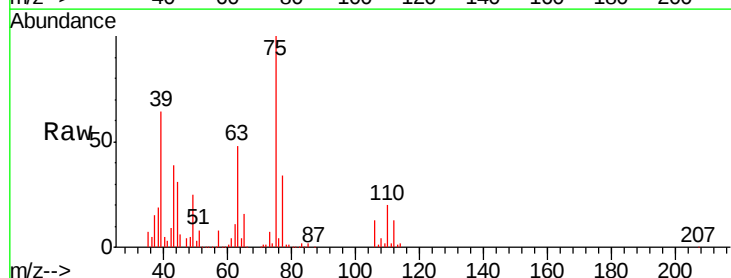
Tgt Ion: 75 Resp: 299994

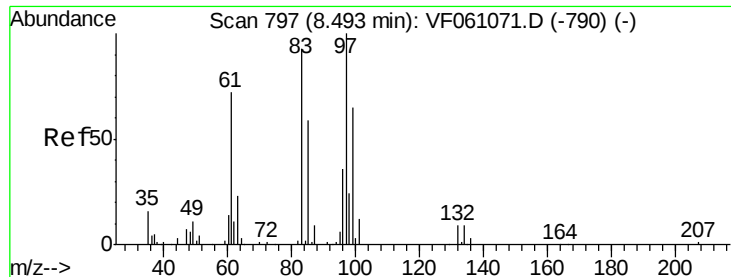
Ion Ratio Lower Upper

75 100

77 33.7 25.0 37.4

39 64.0 50.1 75.1





#55

1,1,2-Trichloroethane

Concen: 76.212 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

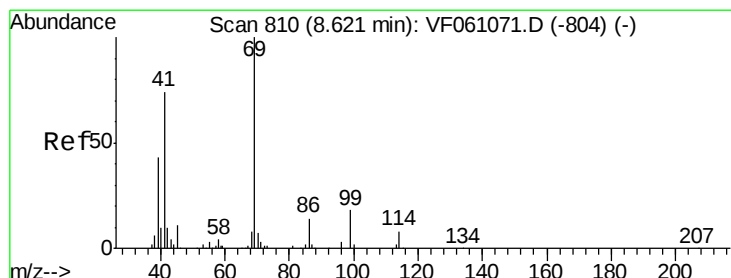
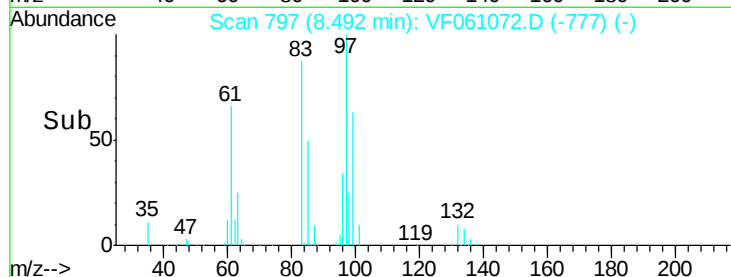
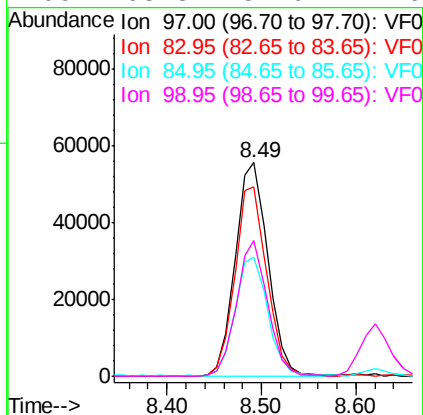
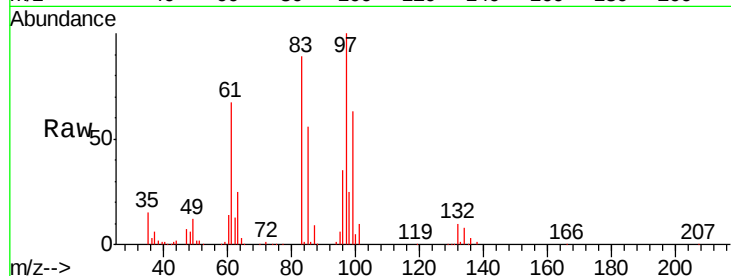
ClientSampleId :

VSTDIC075

Tgt Ion:	97	Resp:	133040
Ion	Ratio	Lower	Upper
97	100		
83	88.8	75.0	112.4
85	55.5	47.5	71.3
99	63.3	51.9	77.9

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#56

Ethyl methacrylate

Concen: 75.885 ug/l

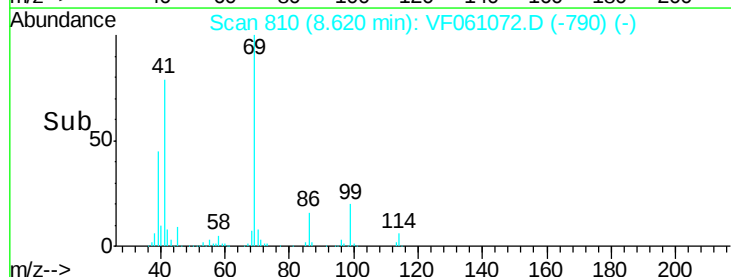
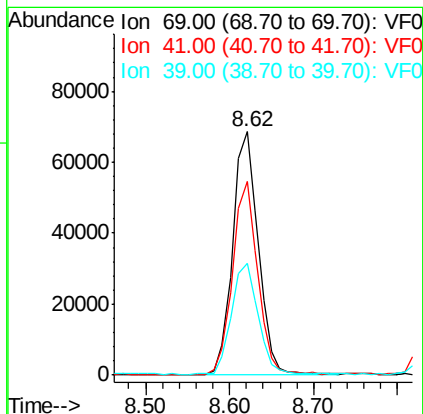
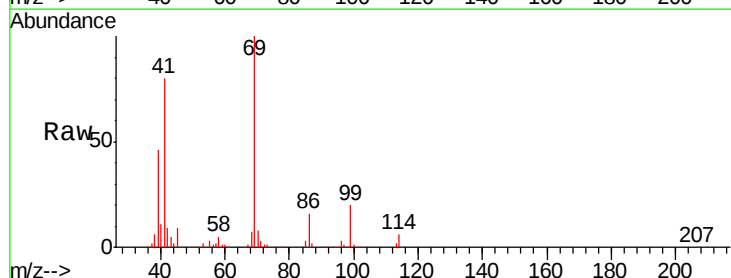
RT: 8.62 min Scan# 810

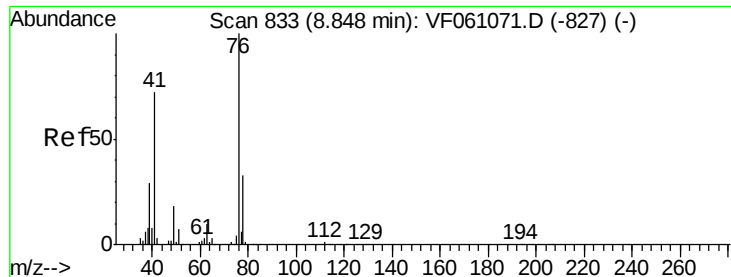
Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Tgt Ion:	69	Resp:	146077
Ion	Ratio	Lower	Upper
69	100		
41	79.6	59.7	89.5
39	46.1	35.0	52.6





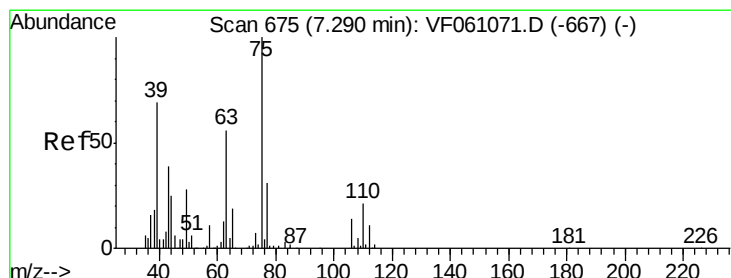
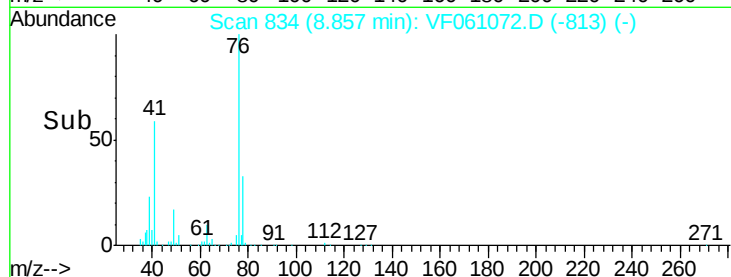
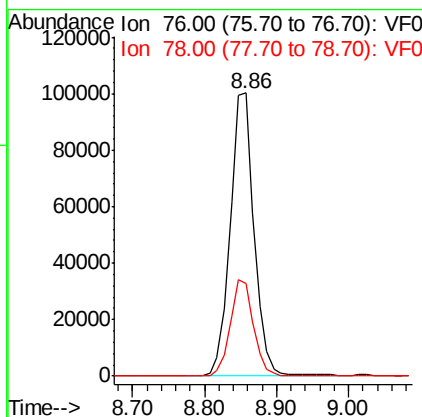
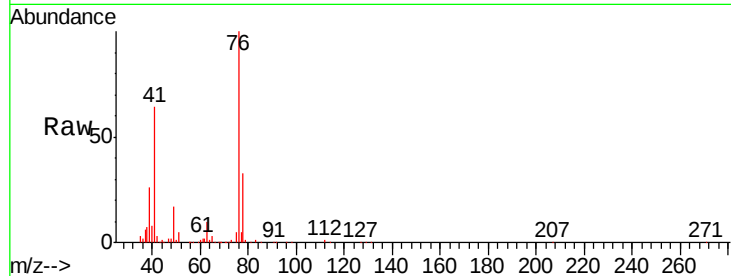
#57
 1,3-Dichloropropane
 Concen: 75.758 ug/l
 RT: 8.86 min Scan# 834
 Delta R.T. 0.01 min
 Lab File: VF061072.D
 Acq: 18 Dec 2018 20:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.5	39.7

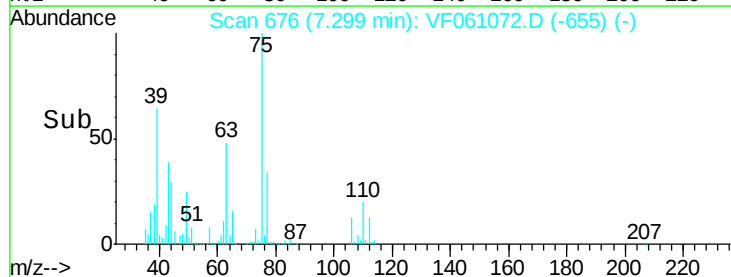
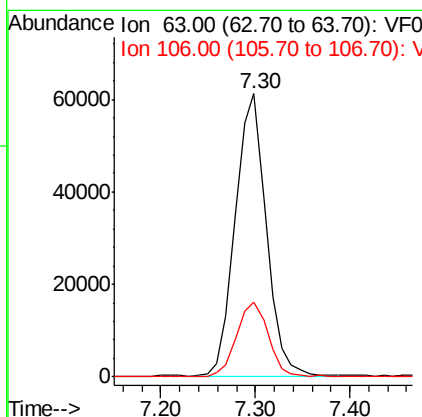
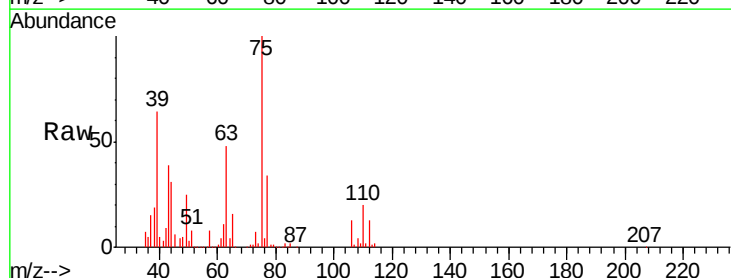
Manual Integrations
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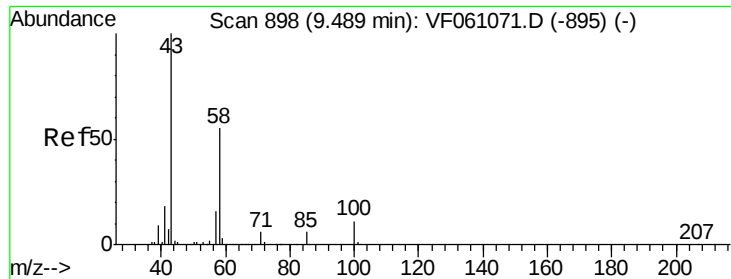
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#58
 2-Chloroethyl Vinyl ether
 Concen: 615.560 ug/l
 RT: 7.30 min Scan# 676
 Delta R.T. 0.01 min
 Lab File: VF061072.D
 Acq: 18 Dec 2018 20:20

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.4	19.8	29.8





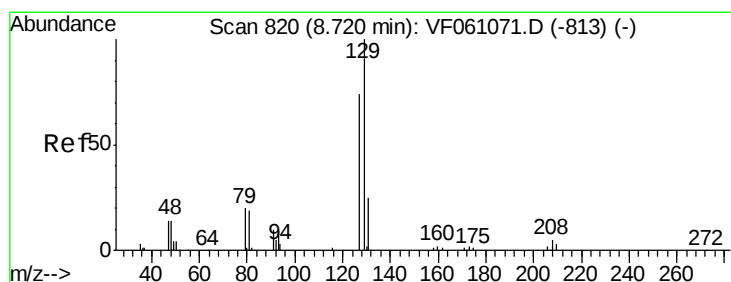
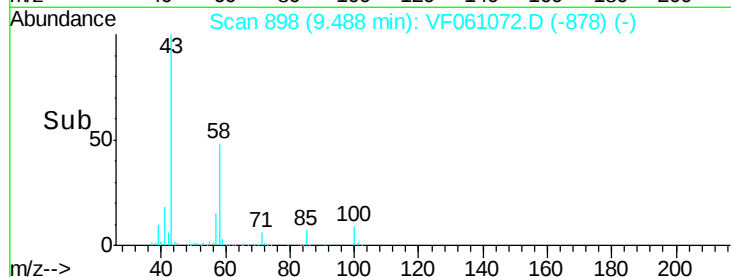
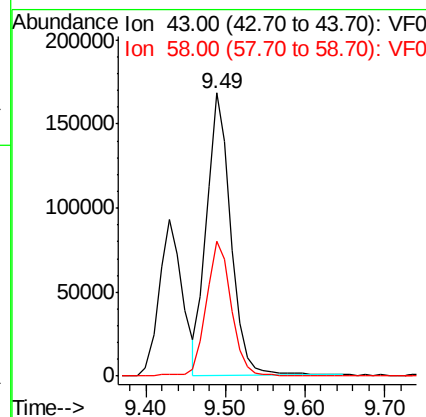
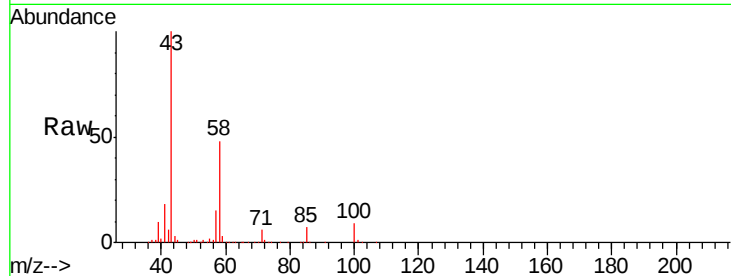
#59
2-Hexanone
Concen: 346.051 ug/l
RT: 9.49 min Scan# 898
Delta R.T. -0.00 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion: 43 Resp: 354423
Ion Ratio Lower Upper
43 100
58 47.5 25.1 75.2

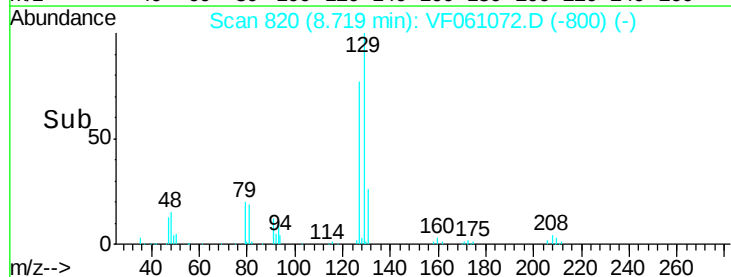
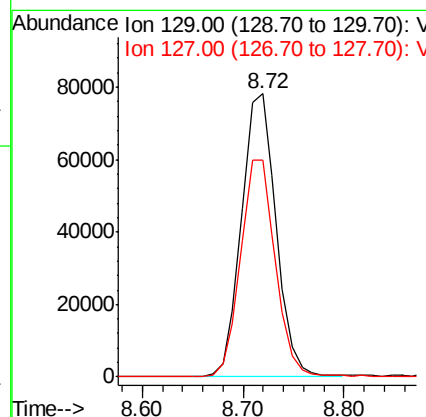
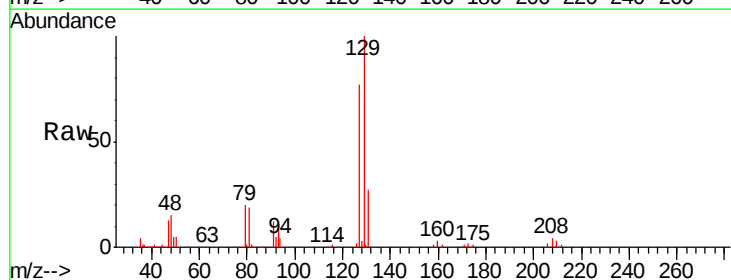
Manual Integrations
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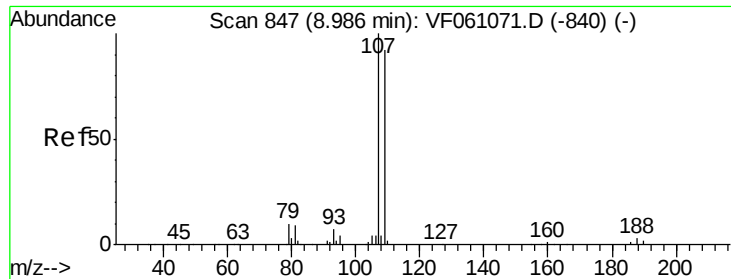
apatel
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#60
Dibromochloromethane
Concen: 71.788 ug/l
RT: 8.72 min Scan# 820
Delta R.T. -0.00 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Tgt Ion: 129 Resp: 187169
Ion Ratio Lower Upper
129 100
127 76.6 36.8 110.3





#61

1,2-Dibromoethane

Concen: 72.367 ug/l

RT: 8.99 min Scan# 847

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tgt Ion: 107 Resp: 137322

Ion Ratio Lower Upper

107 100

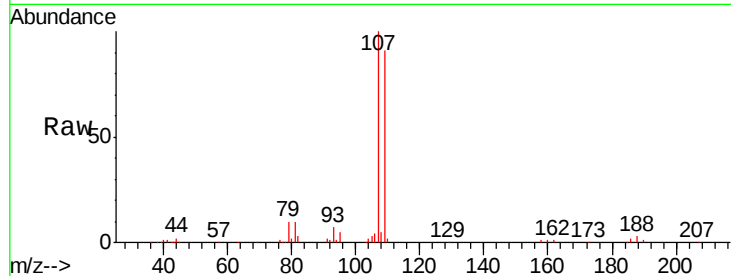
109 91.2 73.7 110.5

Manual Integrations

APPROVED

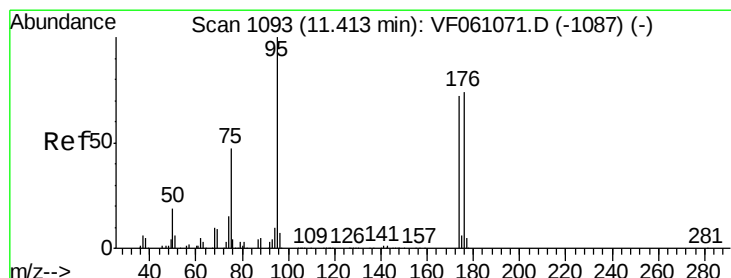
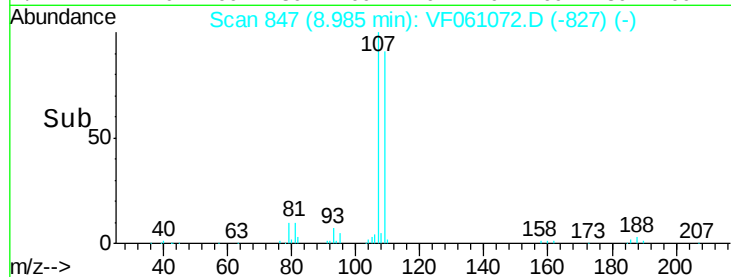
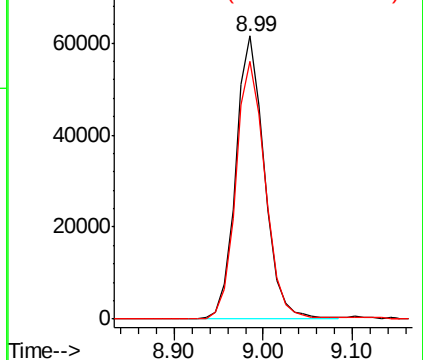
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 72.667 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

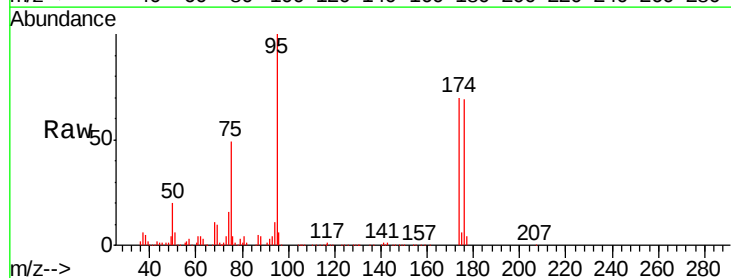
Tgt Ion: 95 Resp: 266156

Ion Ratio Lower Upper

95 100

174 69.5 0.0 143.8

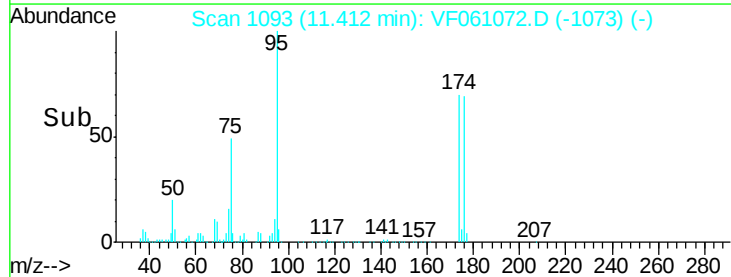
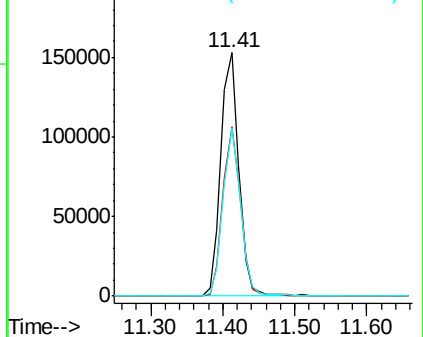
176 69.2 0.0 147.6

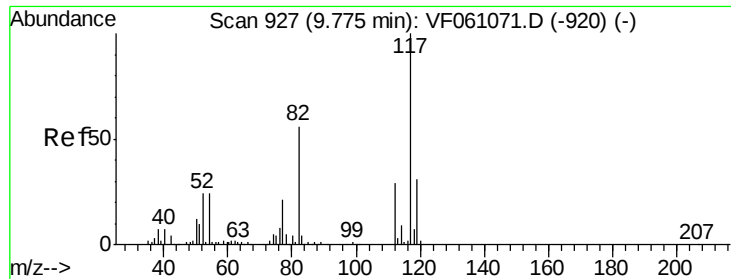


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 927

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

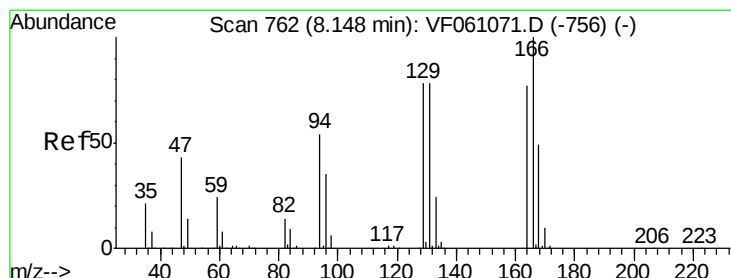
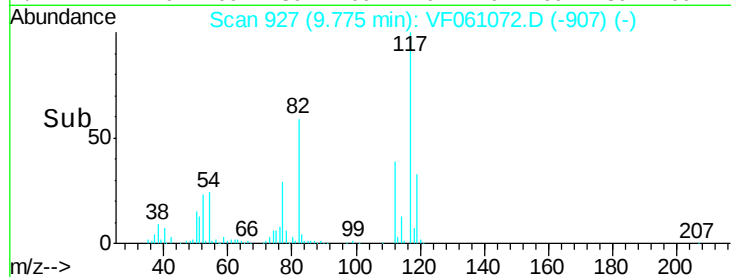
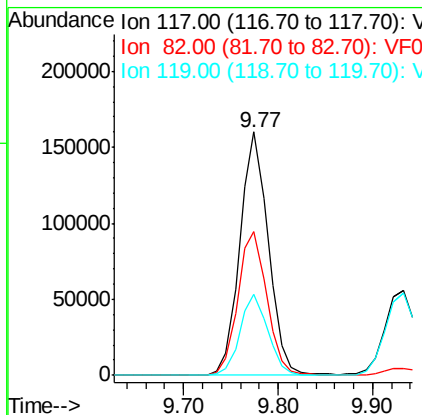
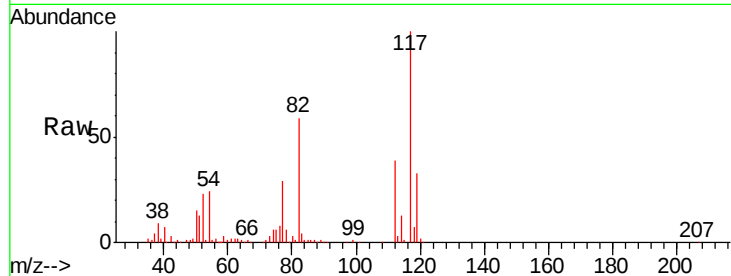
ClientSampleId :

VSTDIC075

Tgt Ion:	117	Resp:	334441
Ion Ratio	Lower	Upper	
117	100		
82	59.0	45.0	67.4
119	33.0	24.8	37.2

Manual Integrations
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#64

Tetrachloroethene

Concen: 69.680 ug/l

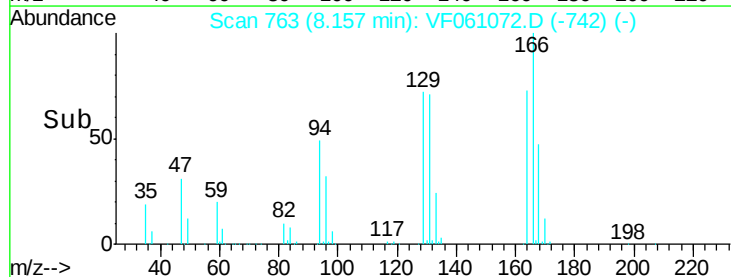
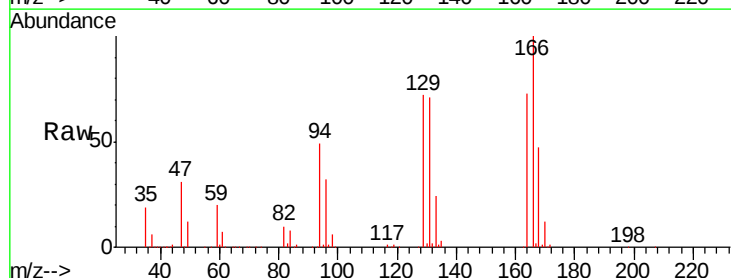
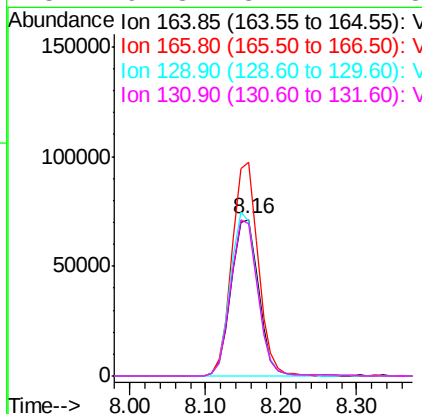
RT: 8.16 min Scan# 763

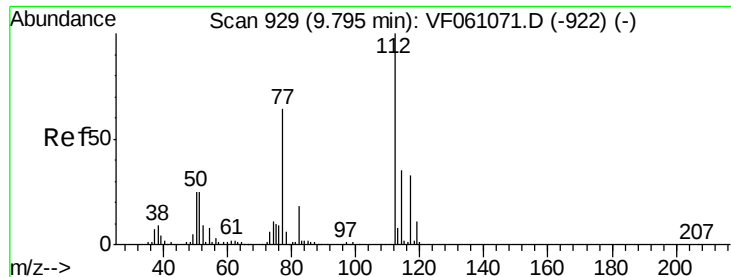
Delta R.T. 0.01 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Tgt Ion:	164	Resp:	178630
Ion Ratio	Lower	Upper	
164	100		
166	136.3	104.0	156.0
129	98.6	81.1	121.7
131	97.3	81.2	121.8





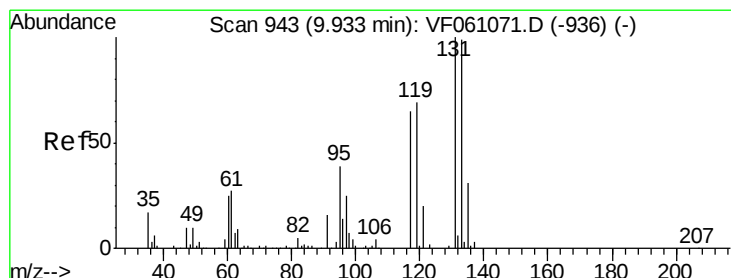
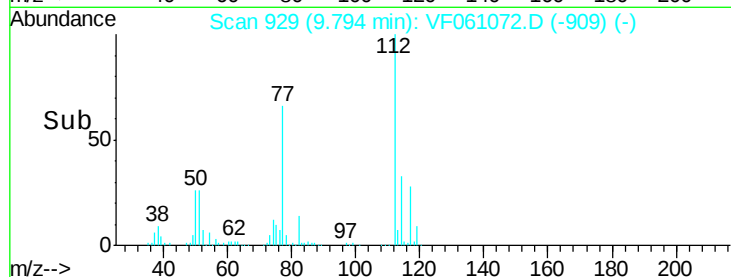
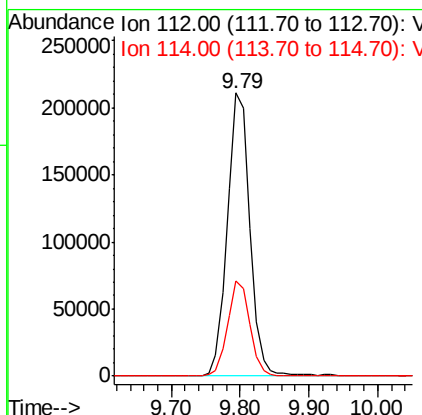
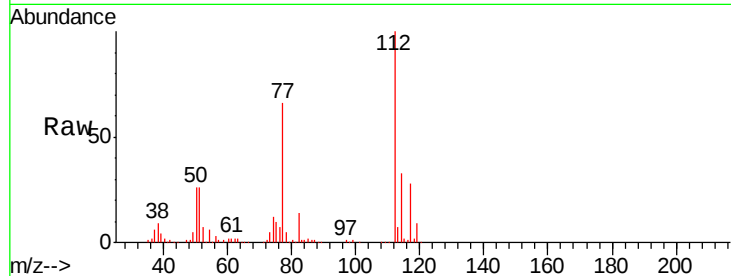
#65
Chlorobenzene
Concen: 74.290 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.00 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	479981		
114	33.5	27.8	41.6	

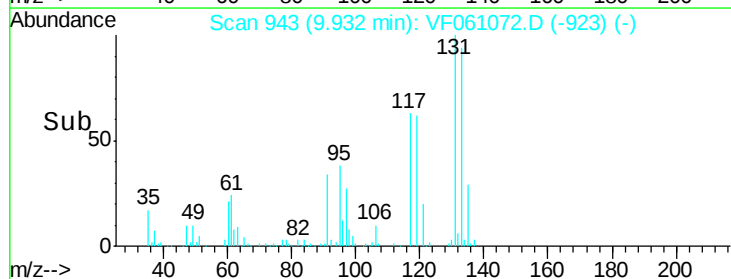
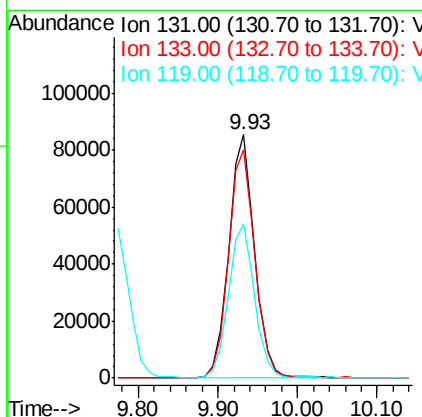
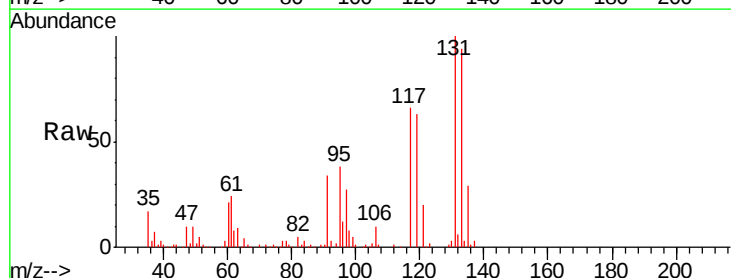
Manual Integrations
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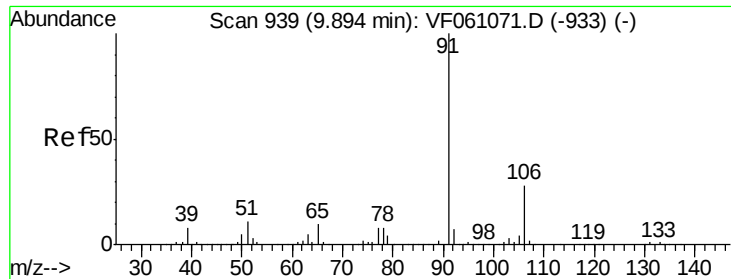
apatel
12/20/2018 10:28:56 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 69.798 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.00 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	193172		
133	94.0	49.5	148.7	
119	63.3	34.5	103.5	





#67

Ethyl Benzene

Concen: 71.458 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tgt Ion: 91 Resp: 861820

Ion Ratio Lower Upper

91 100

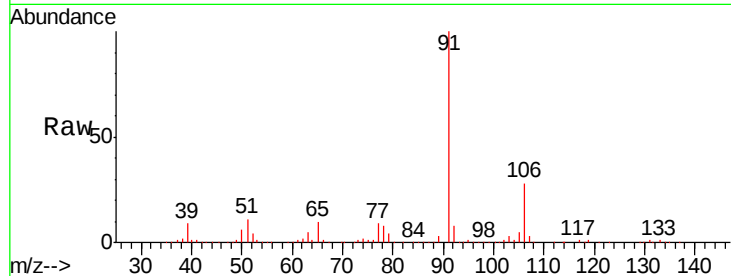
106 28.2 22.5 33.7

Manual Integrations

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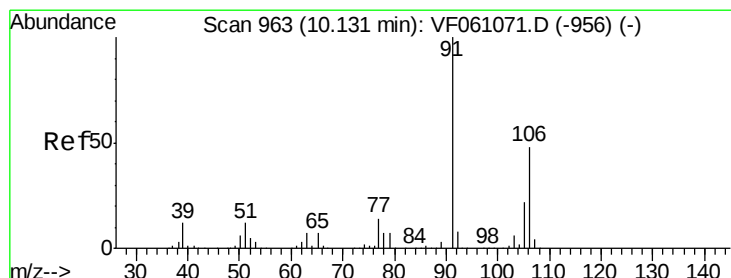
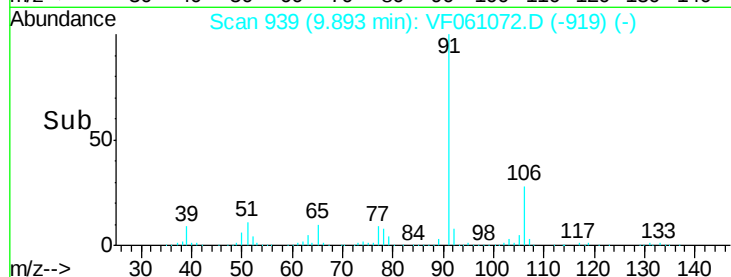
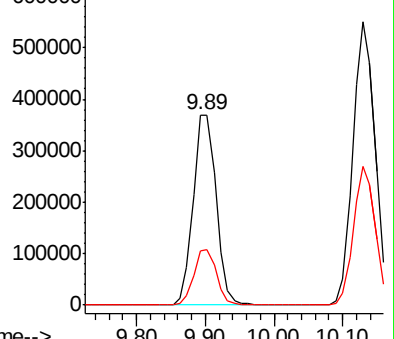
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 137.708 ug/l

RT: 10.13 min Scan# 963

Delta R.T. -0.00 min

Lab File: VF061072.D

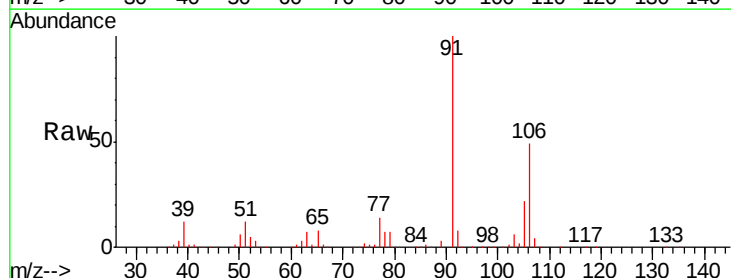
Acq: 18 Dec 2018 20:20

Tgt Ion: 106 Resp: 599416

Ion Ratio Lower Upper

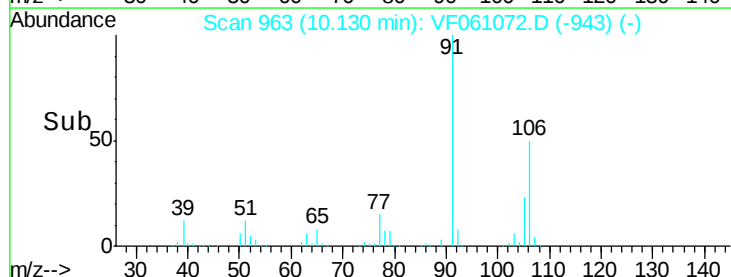
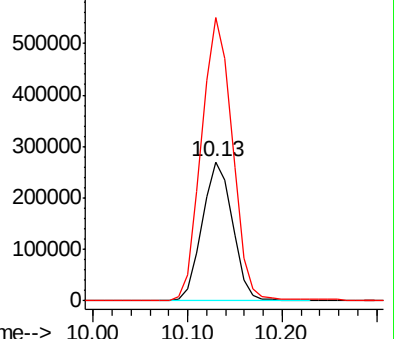
106 100

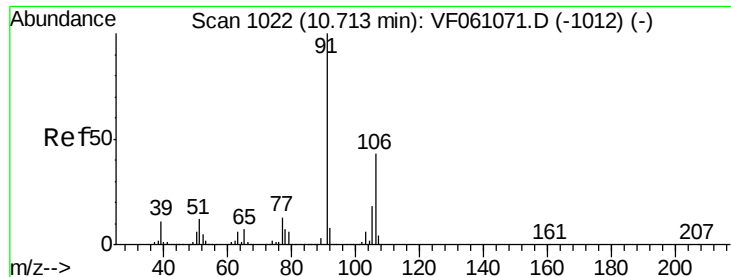
91 203.5 168.2 252.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





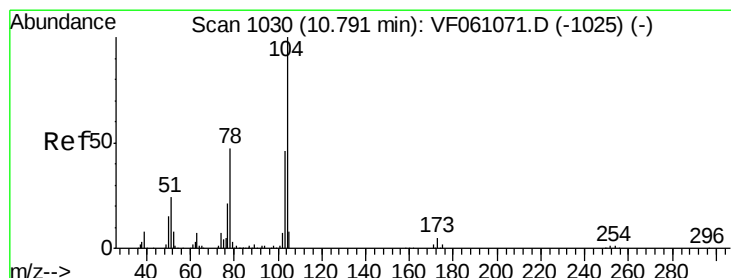
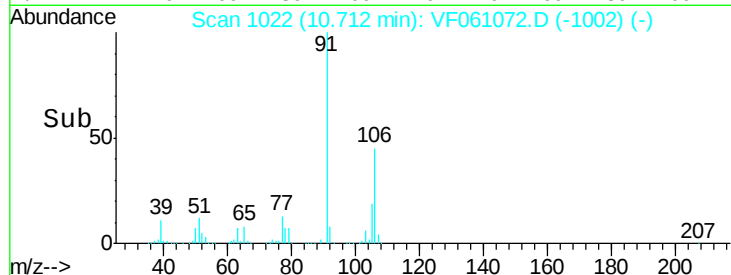
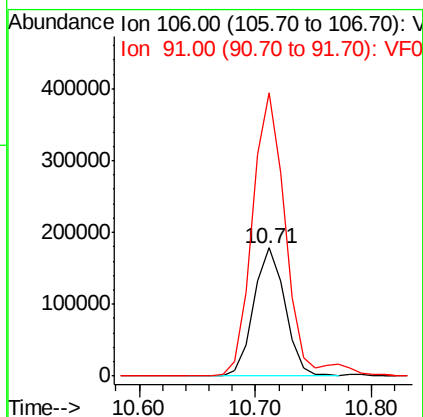
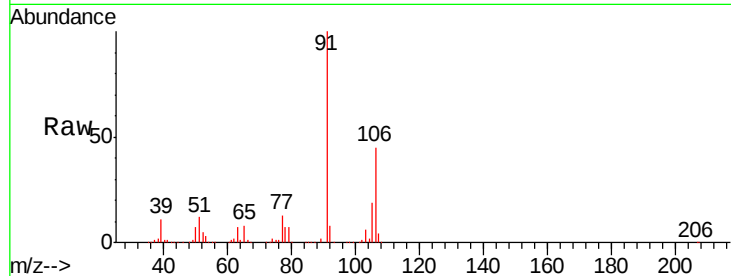
#69
o-Xylene
Concen: 69.379 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.00 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion:106 Resp: 332393
Ion Ratio Lower Upper
106 100
91 220.7 115.9 347.7

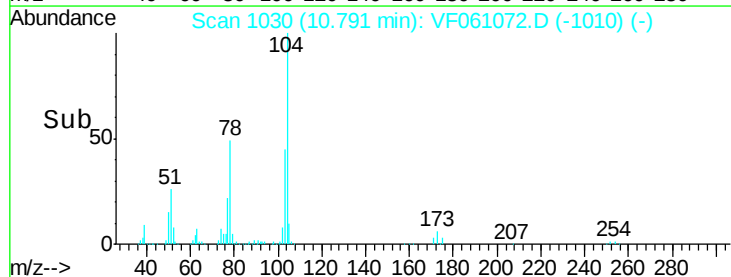
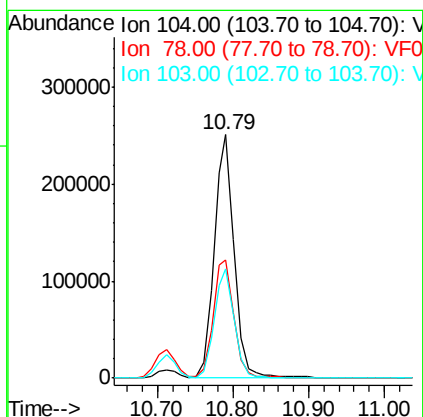
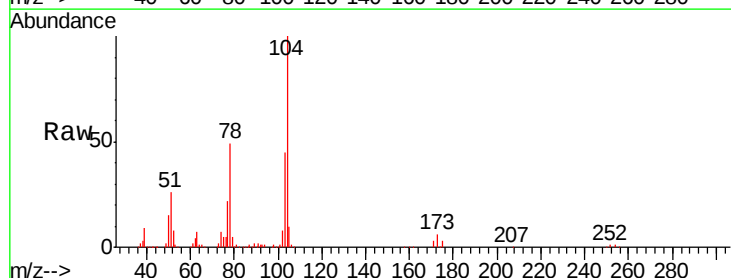
Manual Integrations
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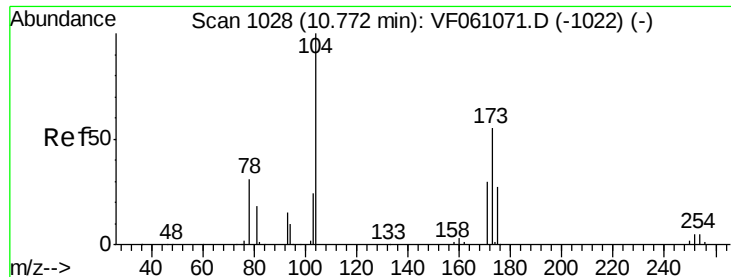
apatel
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#70
Styrene
Concen: 69.841 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Tgt Ion:104 Resp: 460550
Ion Ratio Lower Upper
104 100
78 48.8 38.4 57.6
103 44.6 37.0 55.6





#71

Bromoform

Concen: 70.143 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tgt Ion:173 Resp: 93308

Ion Ratio Lower Upper

173 100

175 50.9 24.8 74.4

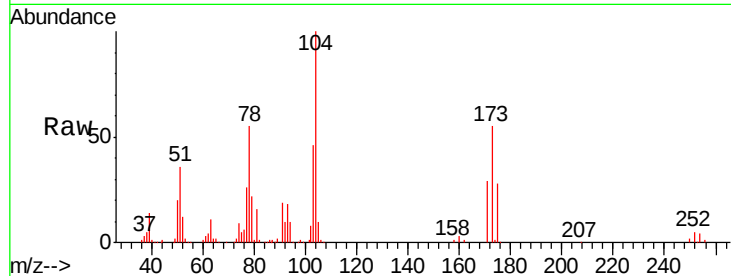
254 7.7 0.0 0.0#

Manual Integrations

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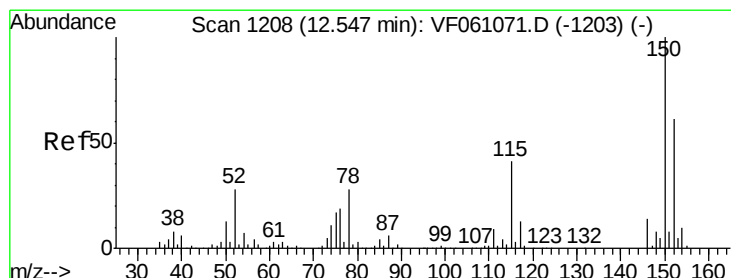
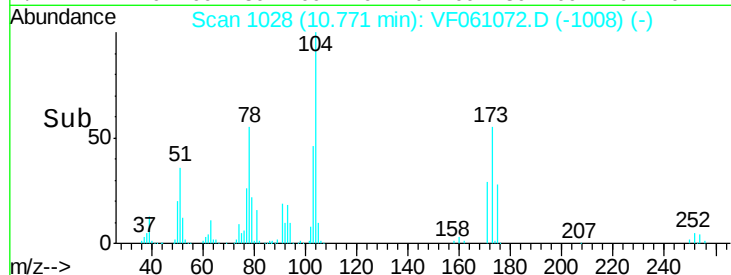
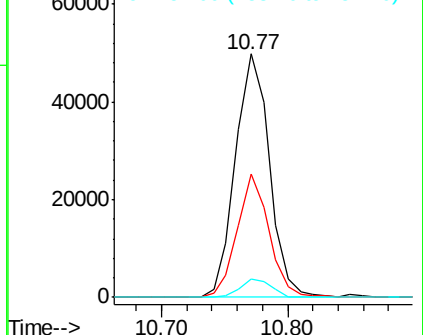
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Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

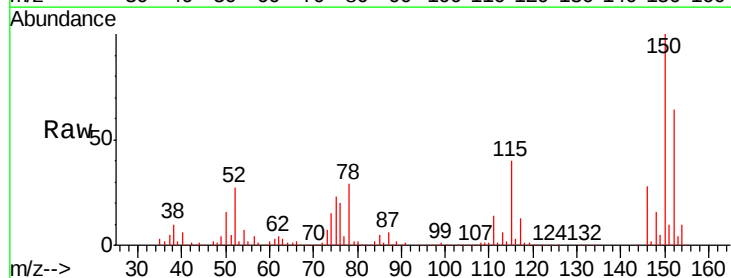
Tgt Ion:152 Resp: 164544

Ion Ratio Lower Upper

152 100

115 62.0 33.3 99.9

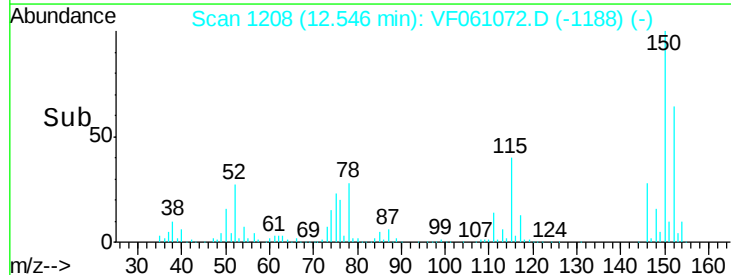
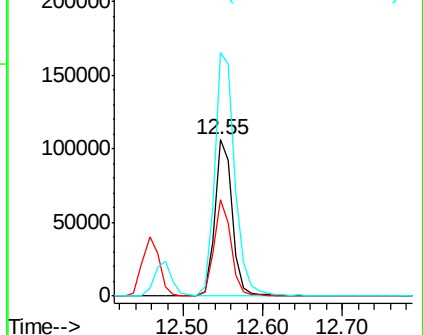
150 155.8 0.0 328.2

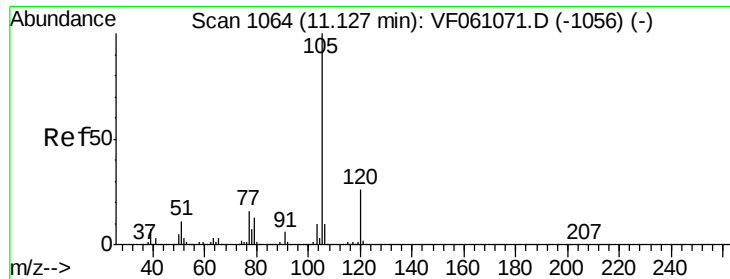


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 71.511 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tgt Ion: 105 Resp: 942221

Ion Ratio Lower Upper

105 100

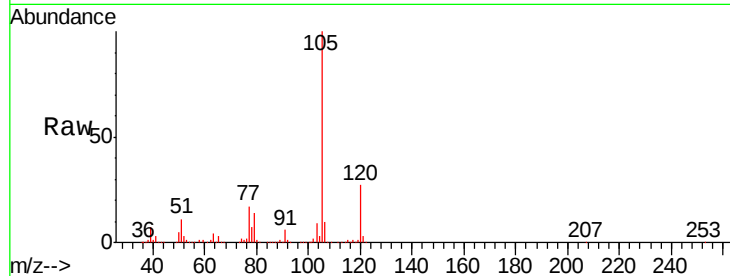
120 26.6 13.0 39.0

Manual Integrations

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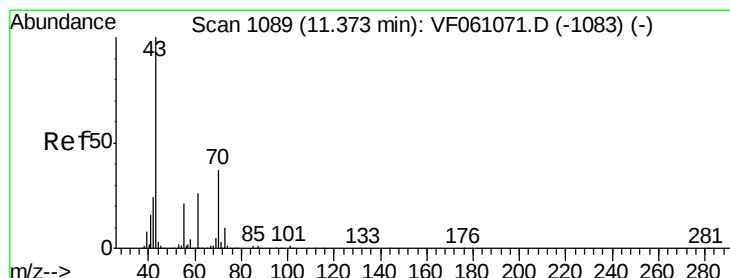
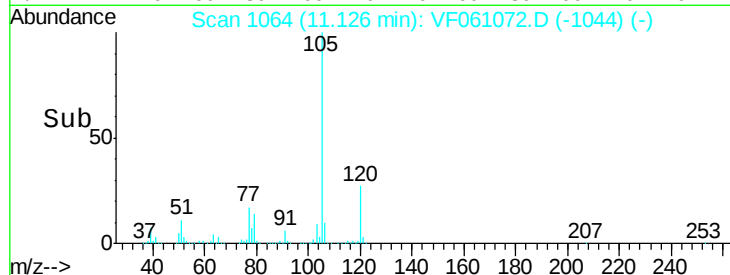
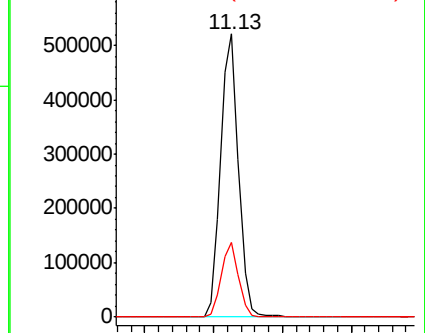
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 72.086 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Tgt Ion: 43 Resp: 217063

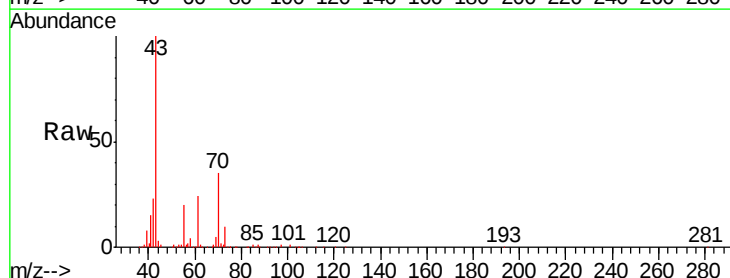
Ion Ratio Lower Upper

43 100

70 34.7 29.2 43.8

55 20.0 16.5 24.7

61 24.3 20.7 31.1

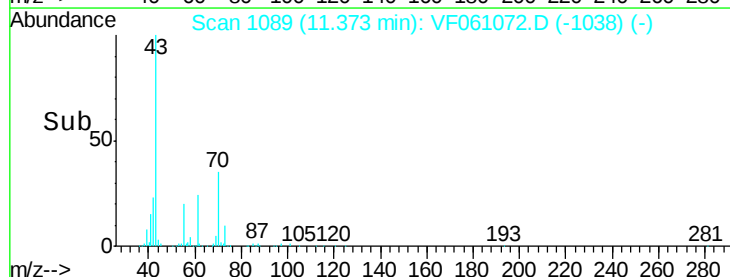
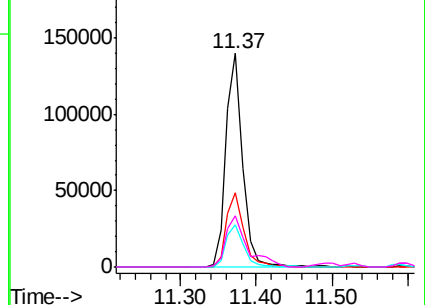


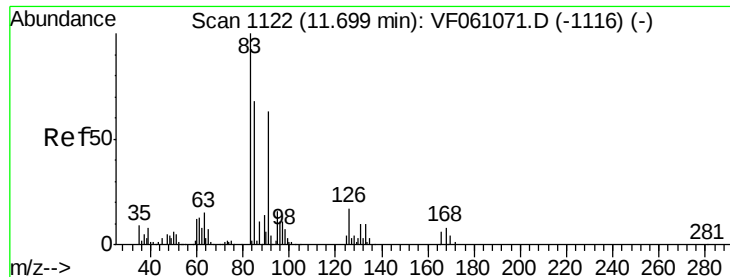
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 74.680 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tgt Ion: 83 Resp: 161369
Ion Ratio Lower Upper

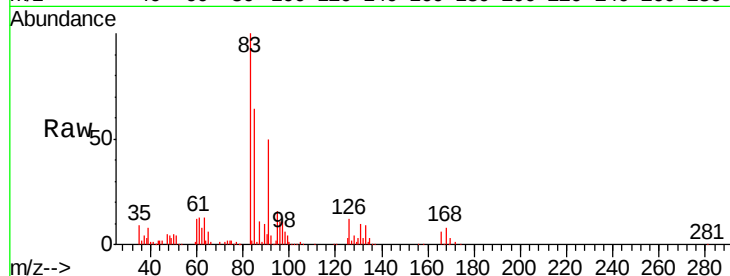
83 100

131 9.8 4.8 14.3

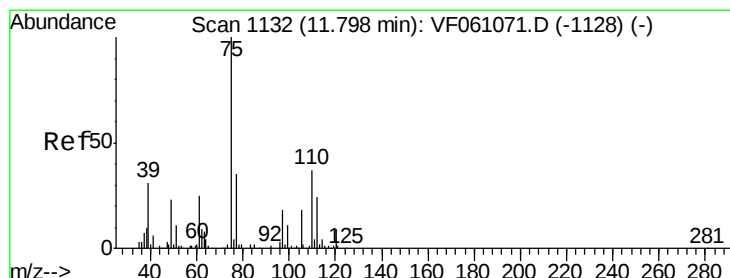
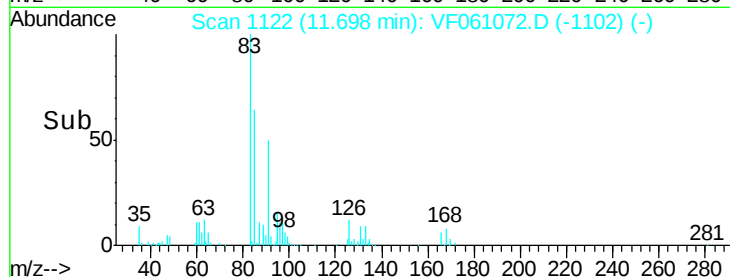
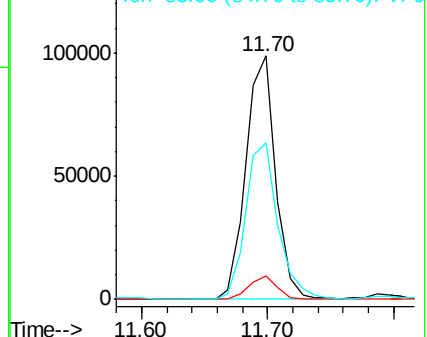
85 64.1 33.9 101.6

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Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 131.00 (130.70 to 131.70): VF0
Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 77.640 ug/l

RT: 11.80 min Scan# 1132

Delta R.T. -0.00 min

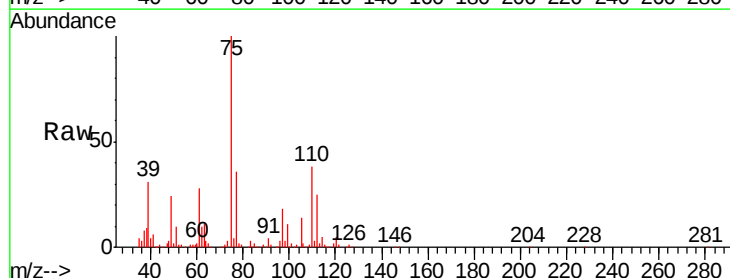
Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

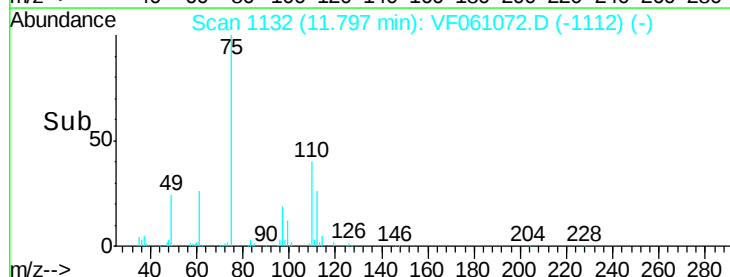
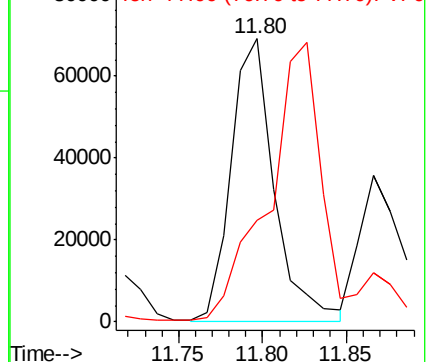
Tgt Ion: 75 Resp: 122859
Ion Ratio Lower Upper

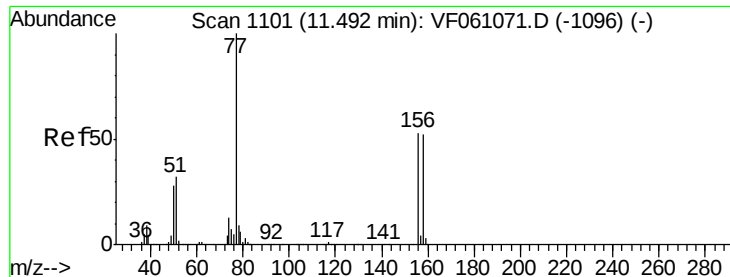
75 100

77 36.0 17.6 52.9



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 73.860 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

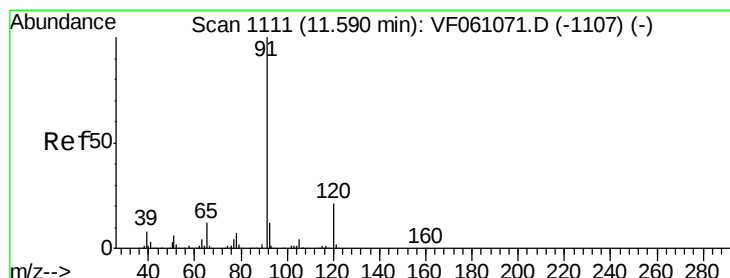
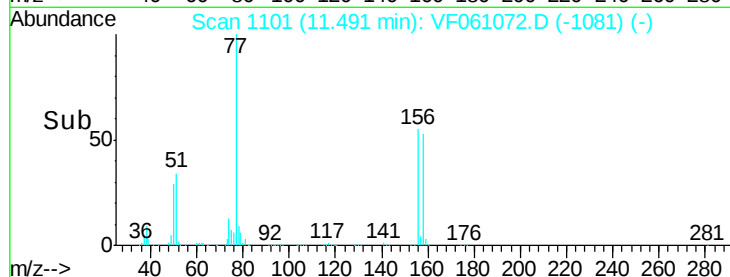
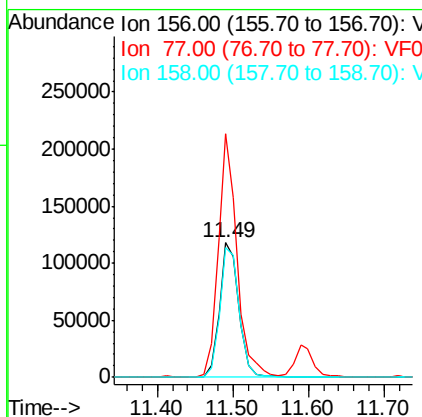
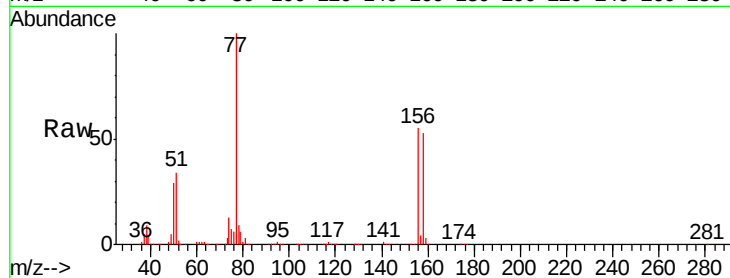
ClientSampleId :

VSTDIC075

Tgt Ion:	156	Resp:	210507
Ion Ratio	Lower	Upper	
156	100		
77	181.0	93.8	281.4
158	96.6	48.9	146.8

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#78

n-propylbenzene

Concen: 68.470 ug/l

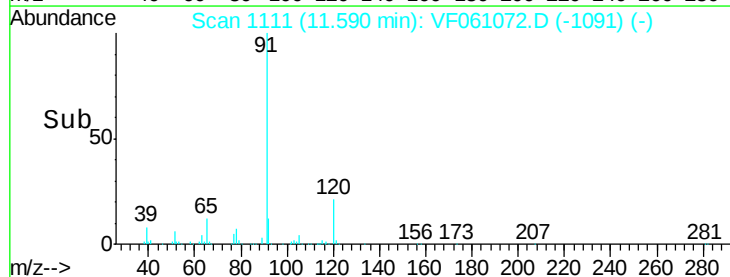
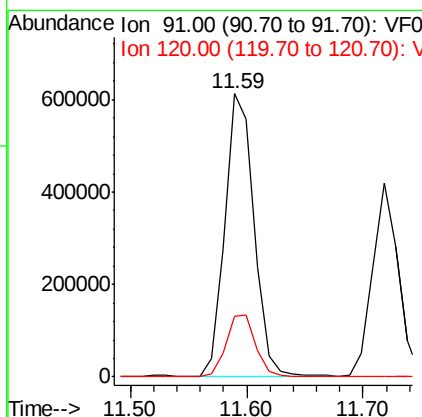
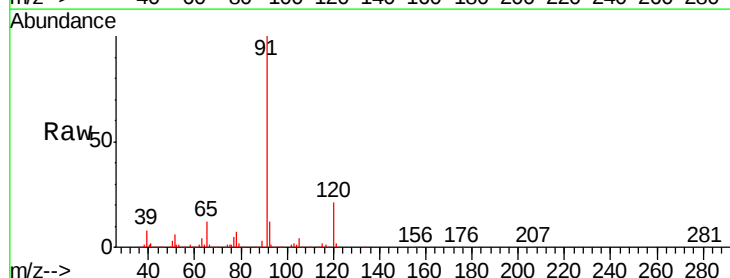
RT: 11.59 min Scan# 1111

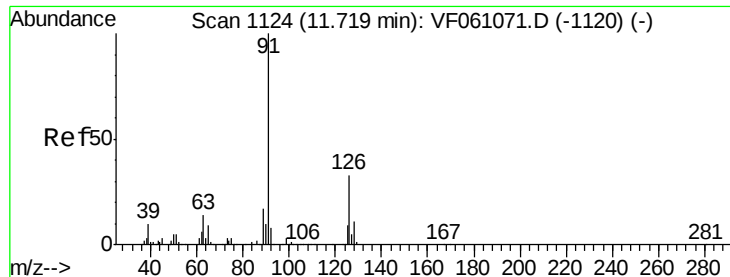
Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Tgt Ion:	91	Resp:	1057080
Ion Ratio	Lower	Upper	
91	100		
120	21.2	10.4	31.2





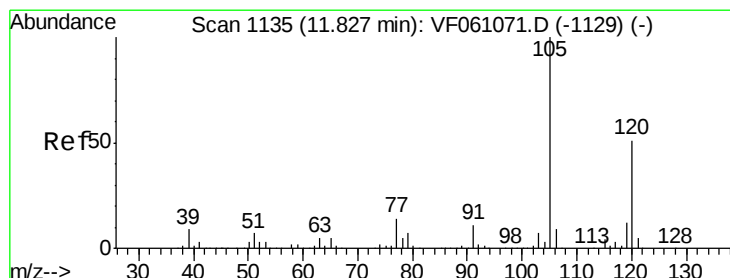
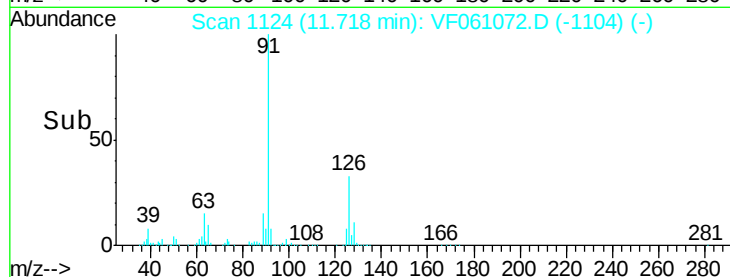
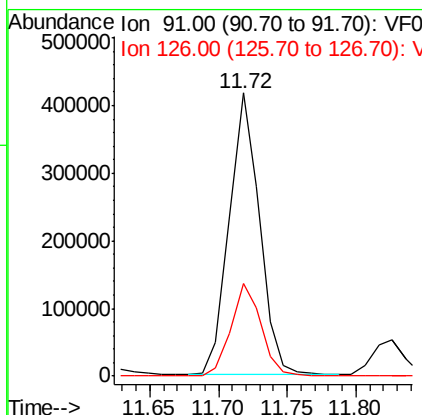
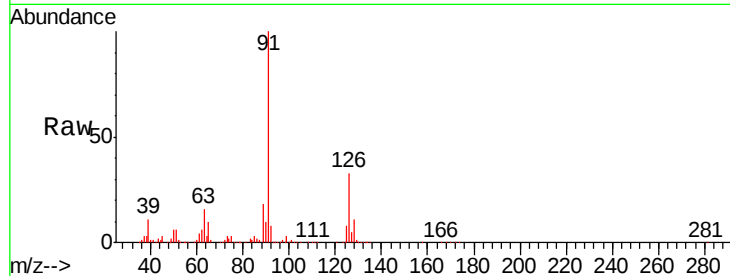
#79
 2-Chlorotoluene
 Concen: 71.867 ug/l
 RT: 11.72 min Scan# 1124
 Delta R.T. -0.00 min
 Lab File: VF061072.D
 Acq: 18 Dec 2018 20:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tgt Ion: 91 Resp: 636973
 Ion Ratio Lower Upper
 91 100
 126 32.8 16.4 49.1

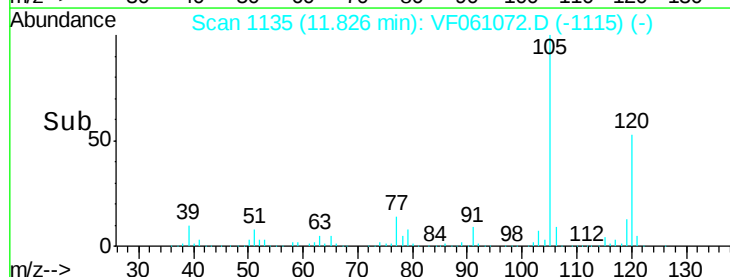
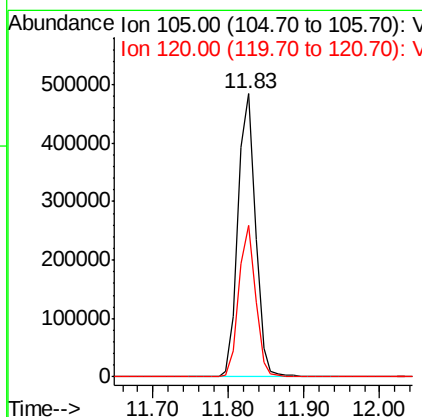
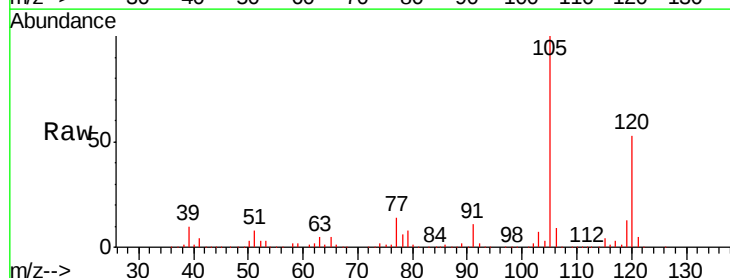
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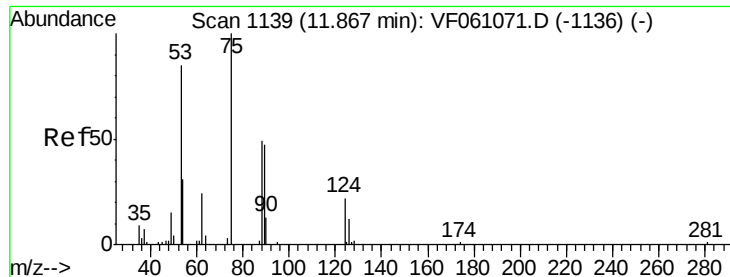
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#80
 1,3,5-Trimethylbenzene
 Concen: 71.874 ug/l
 RT: 11.83 min Scan# 1135
 Delta R.T. -0.00 min
 Lab File: VF061072.D
 Acq: 18 Dec 2018 20:20

Tgt Ion: 105 Resp: 768215
 Ion Ratio Lower Upper
 105 100
 120 53.4 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 75.158 ug/l m

RT: 11.87 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tgt Ion: 75 Resp: 57219
Ion Ratio Lower Upper

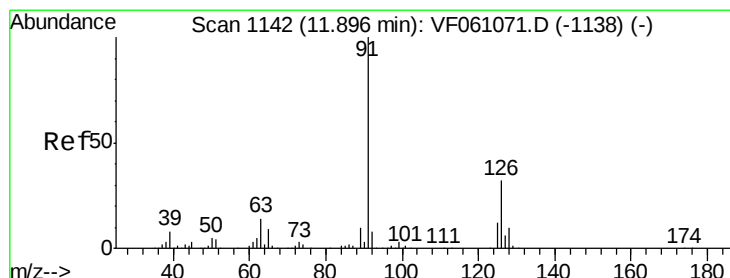
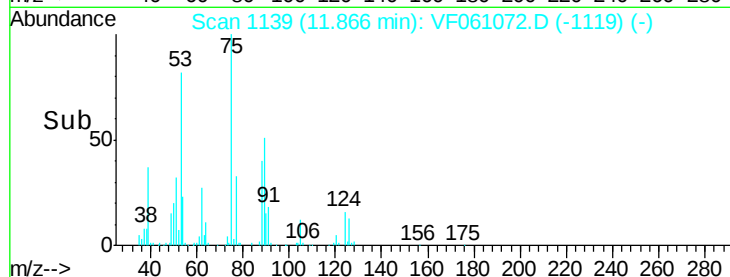
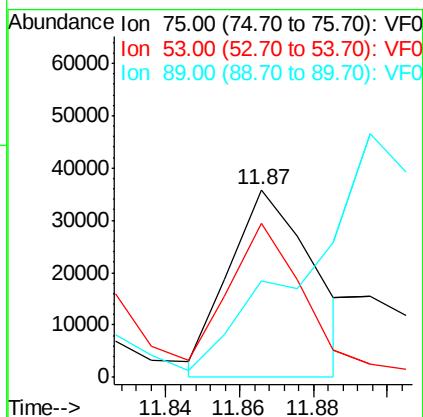
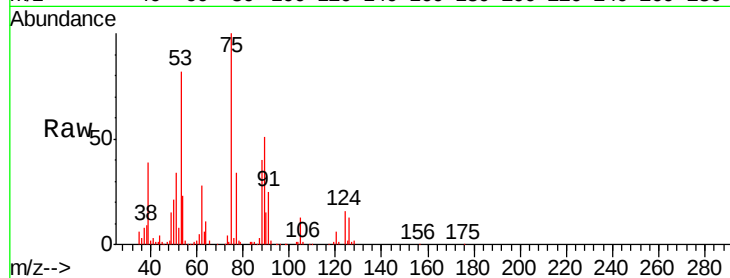
75 100

53 82.4 74.1 111.1

89 51.4 42.6 64.0

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#82

4-Chlorotoluene

Concen: 73.132 ug/l

RT: 11.90 min Scan# 1142

Delta R.T. -0.00 min

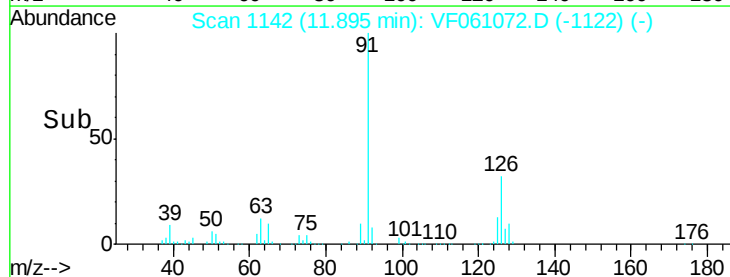
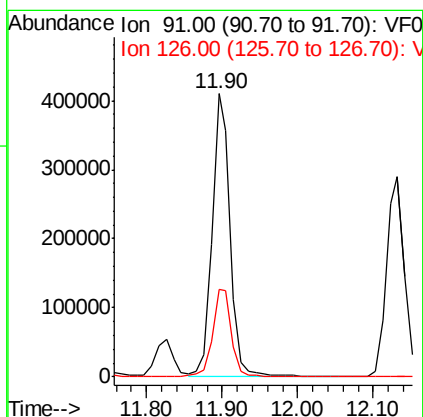
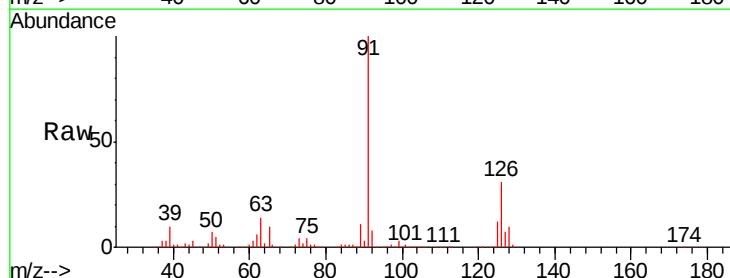
Lab File: VF061072.D

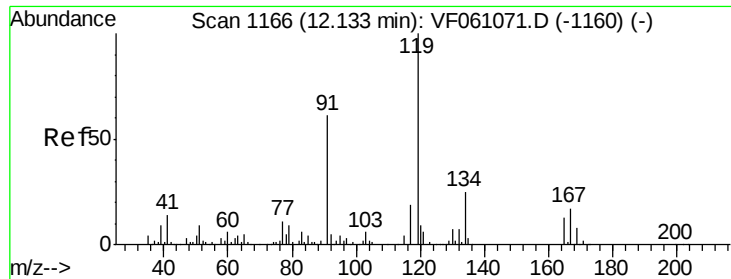
Acq: 18 Dec 2018 20:20

Tgt Ion: 91 Resp: 679609
Ion Ratio Lower Upper

91 100

126 30.7 16.0 47.9





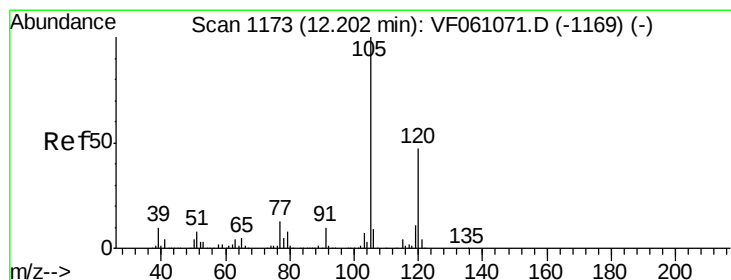
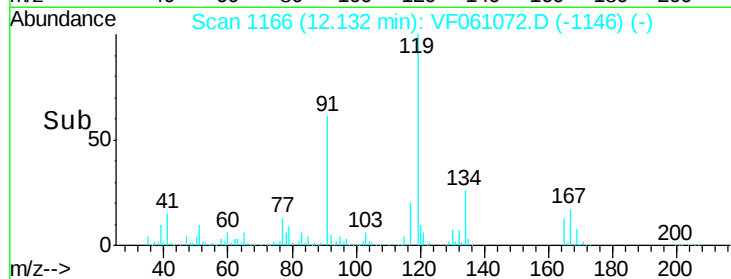
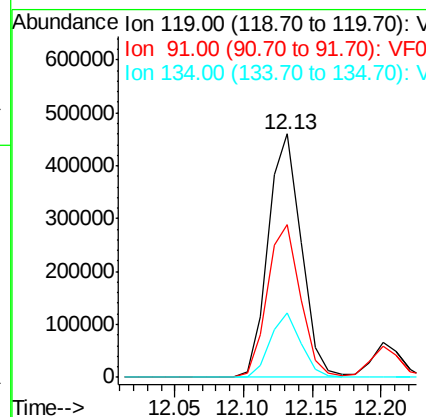
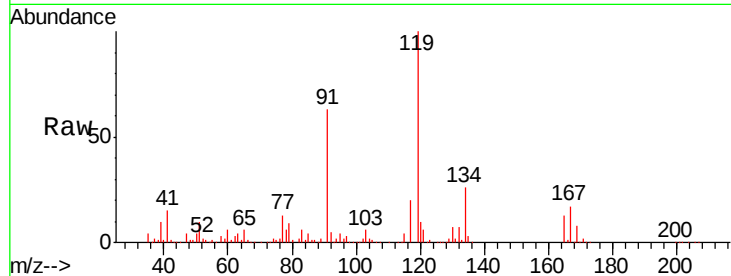
#83
 tert-Butylbenzene
 Concen: 70.329 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. -0.00 min
 Lab File: VF061072.D
 Acq: 18 Dec 2018 20:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tgt Ion	Ratio	Lower	Upper
119	100		
91	62.8	30.5	91.5
134	26.2	12.4	37.4

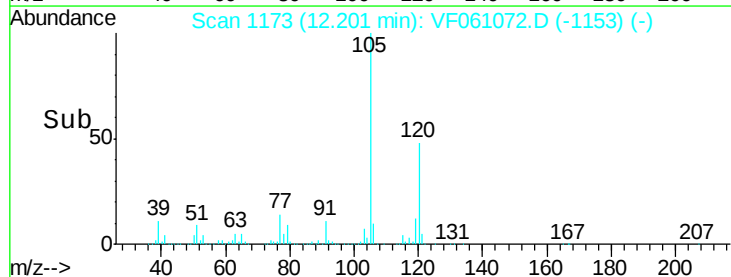
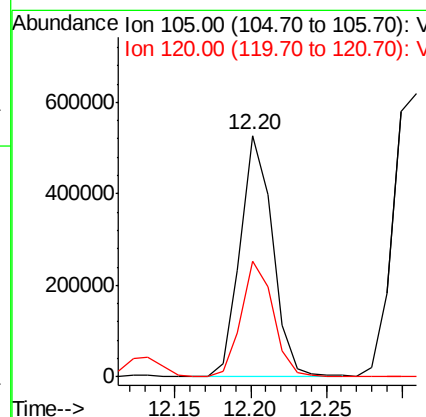
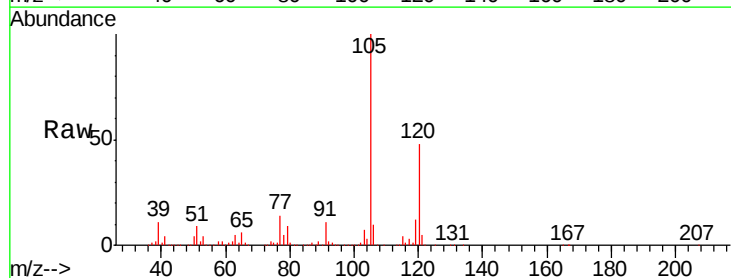
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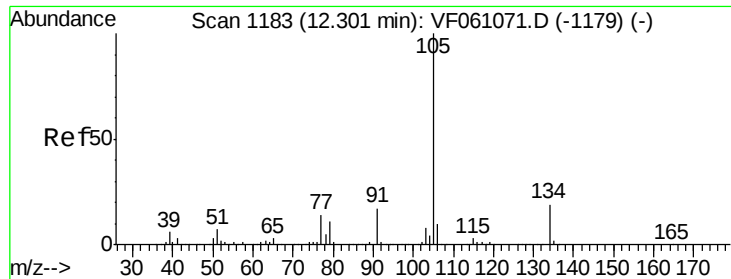
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#84
 1,2,4-Trimethylbenzene
 Concen: 74.720 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: VF061072.D
 Acq: 18 Dec 2018 20:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.6	71.0





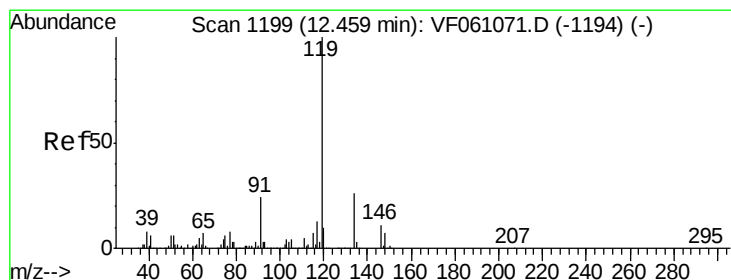
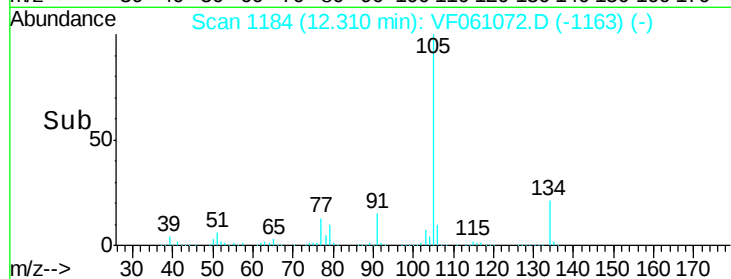
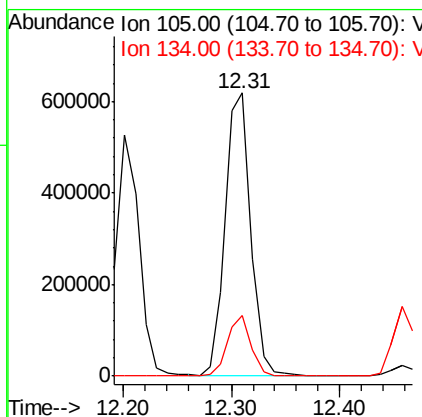
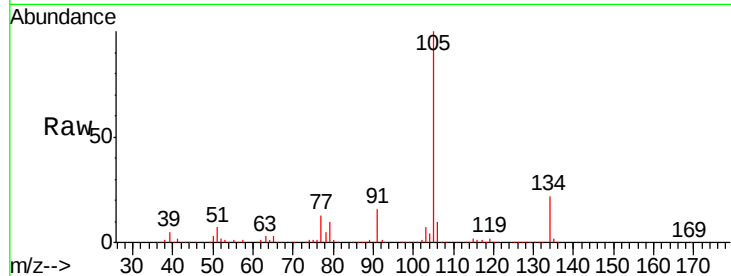
#85
 sec-Butylbenzene
 Concen: 68.636 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: VF061072.D
 Acq: 18 Dec 2018 20:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tgt Ion:105 Resp: 1017194
 Ion Ratio Lower Upper
 105 100
 134 21.6 9.4 28.2

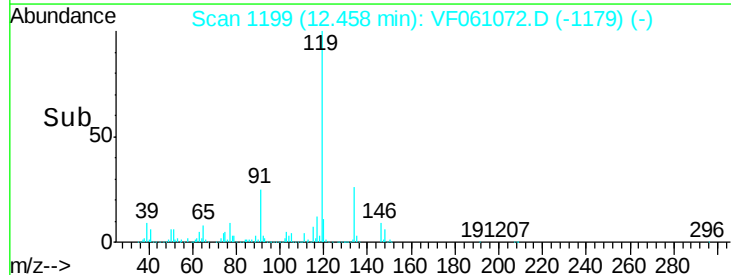
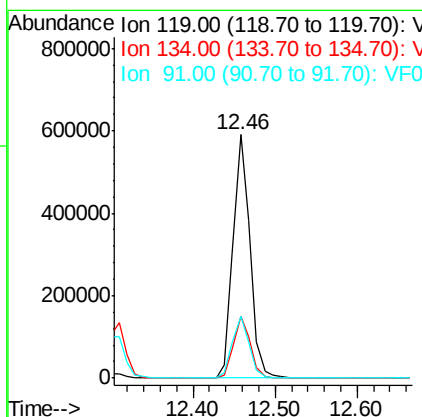
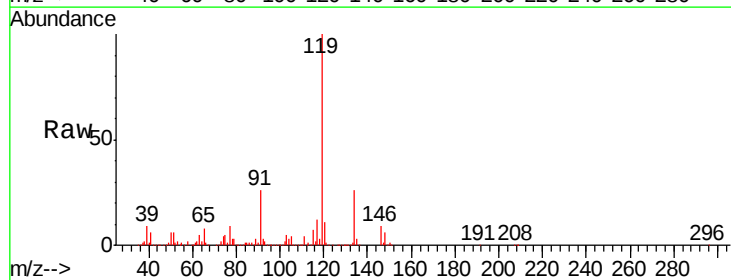
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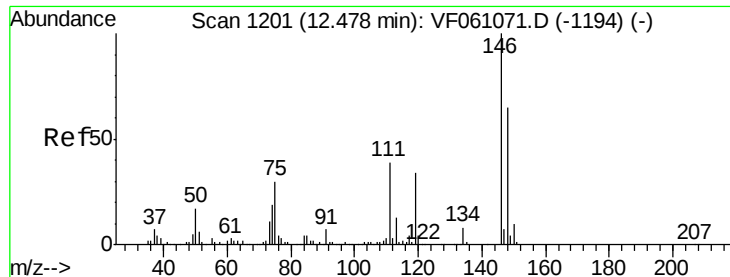
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#86
 p-Isopropyltoluene
 Concen: 67.757 ug/l m
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VF061072.D
 Acq: 18 Dec 2018 20:20

Tgt Ion:119 Resp: 844603
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.8 38.4
 91 25.6 12.2 36.6





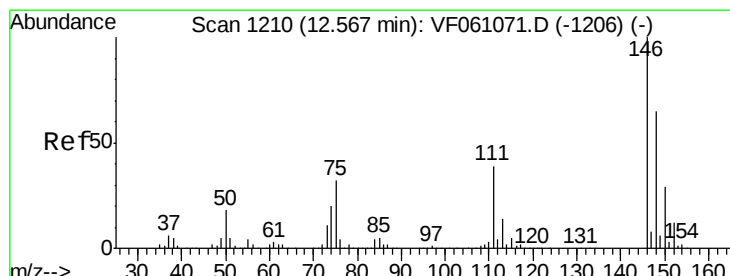
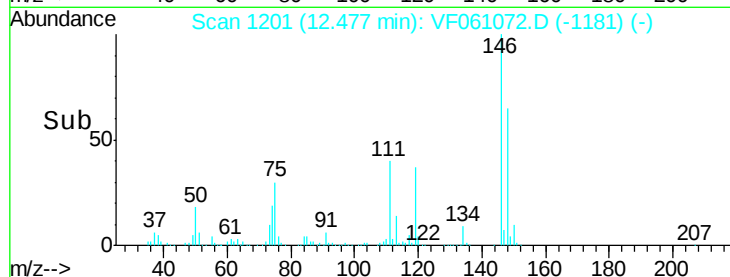
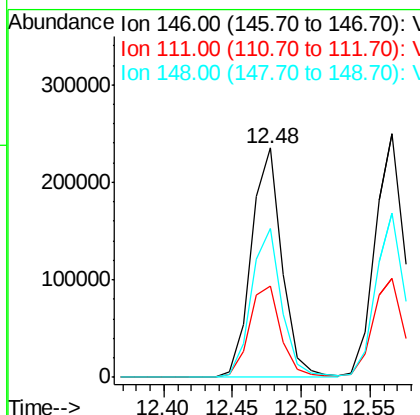
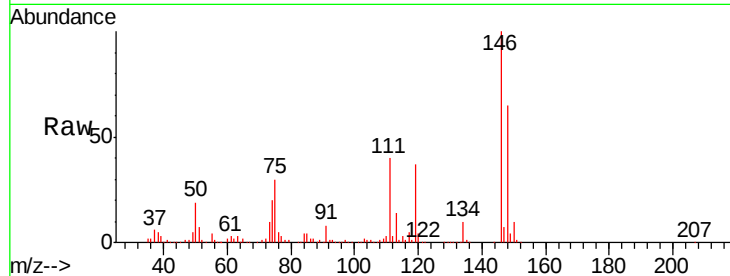
#87
 1,3-Dichlorobenzene
 Concen: 67.357 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF061072.D
 Acq: 18 Dec 2018 20:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.3	57.9
148	64.8	32.4	97.2

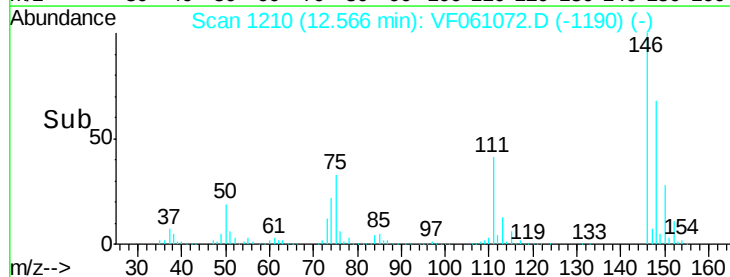
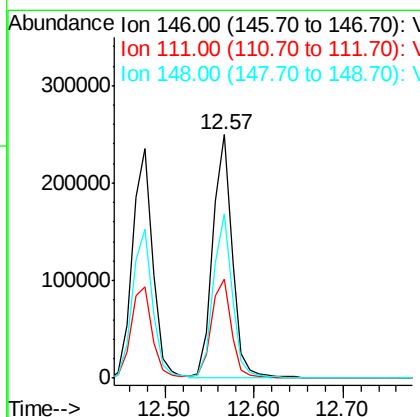
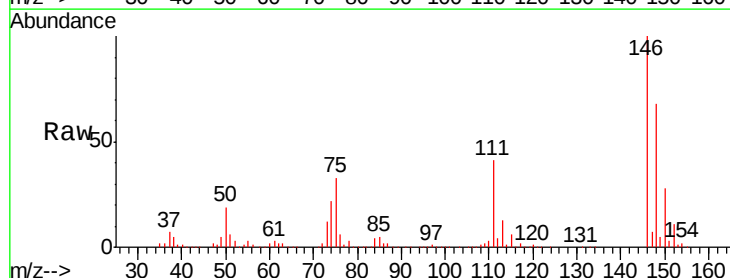
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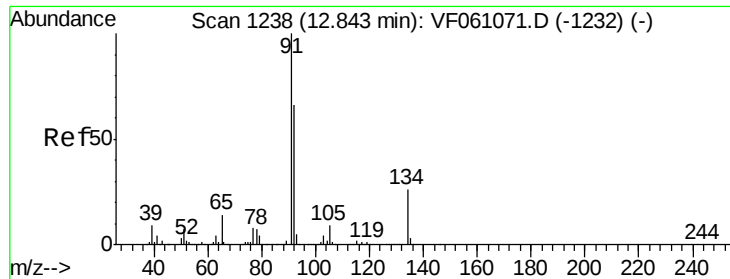
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#88
 1,4-Dichlorobenzene
 Concen: 71.897 ug/l
 RT: 12.57 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF061072.D
 Acq: 18 Dec 2018 20:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.4	58.4
148	67.7	32.4	97.0





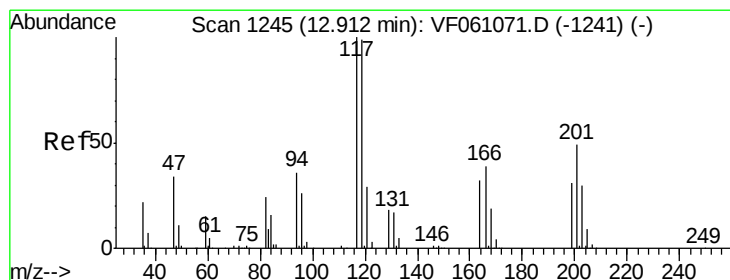
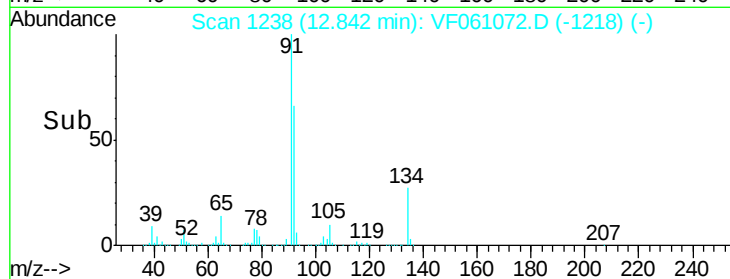
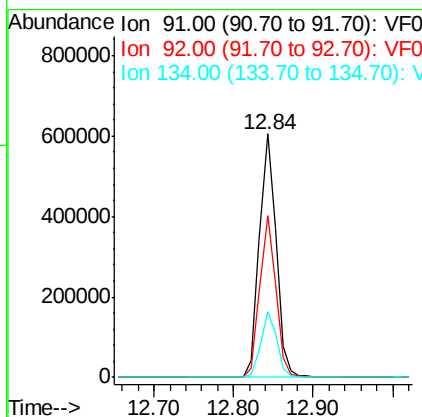
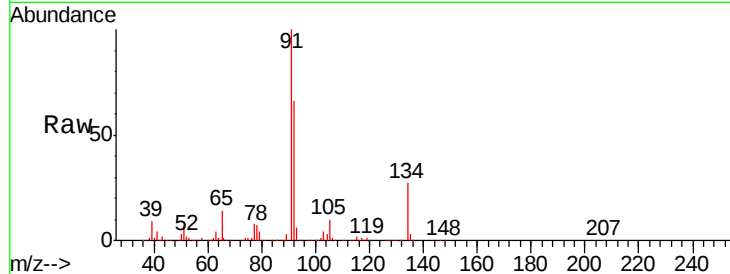
#89
n-Butylbenzene
Concen: 68.994 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC075

Tgt Ion	Ratio	Resp Lower	Resp Upper
91	100		
92	66.4	32.8	98.4
134	26.8	13.2	39.5

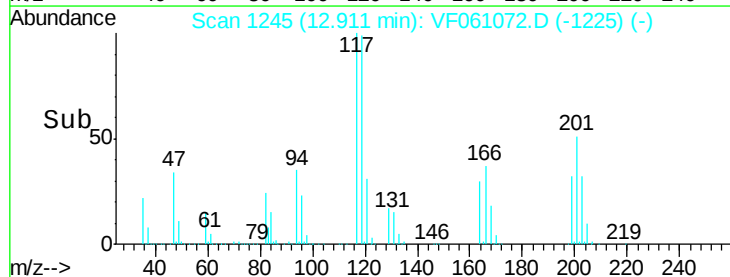
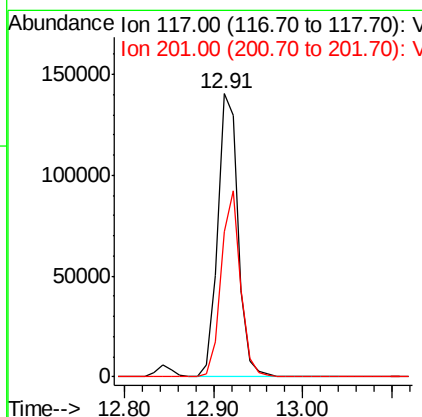
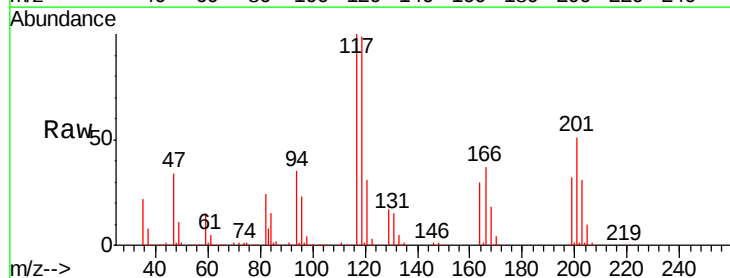
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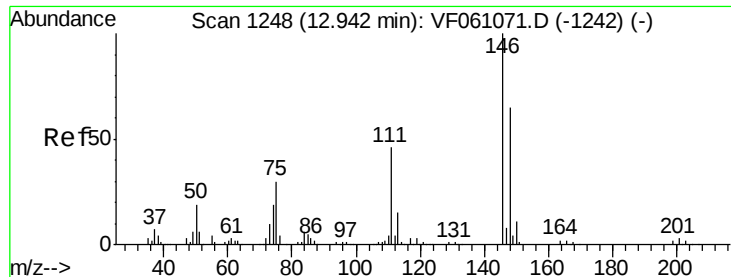
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#90
Hexachloroethane
Concen: 75.840 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
201	51.1	24.9	74.8





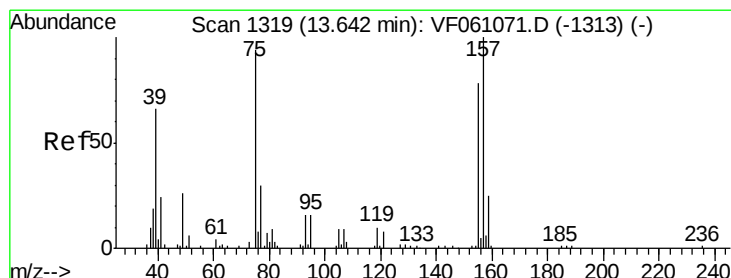
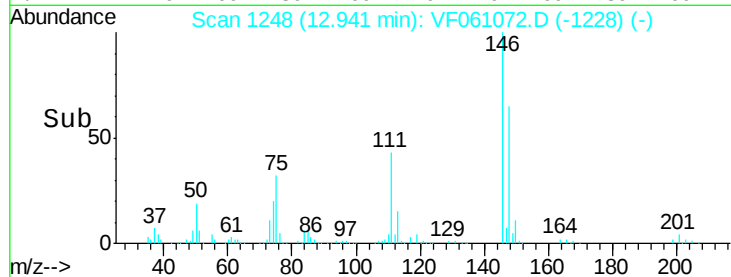
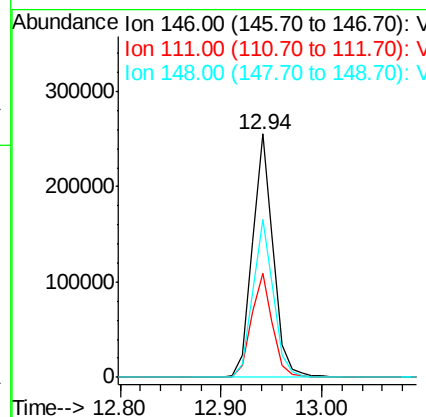
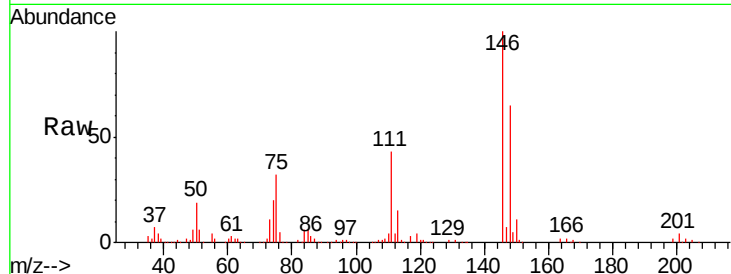
#91
 1,2-Dichlorobenzene
 Concen: 71.353 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VF061072.D
 Acq: 18 Dec 2018 20:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	367901		
111	43.0	23.2	69.5	
148	64.7	32.4	97.0	

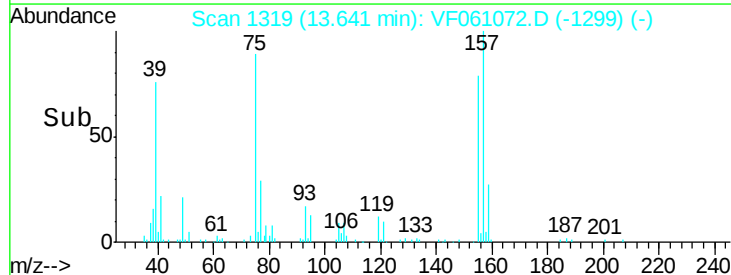
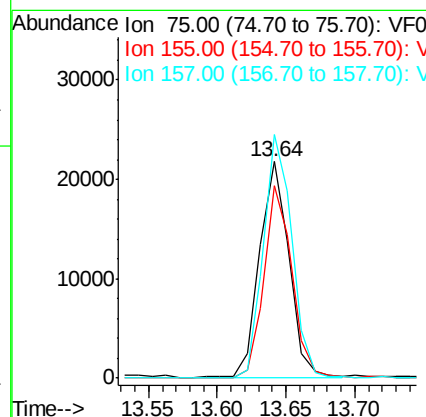
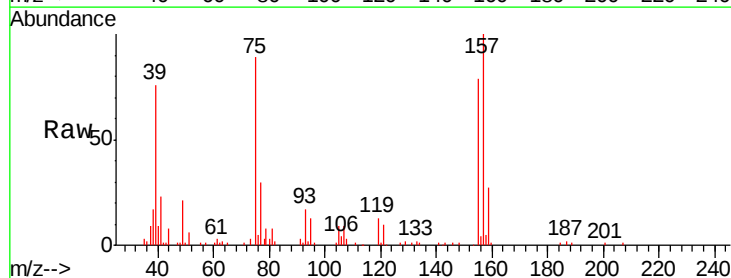
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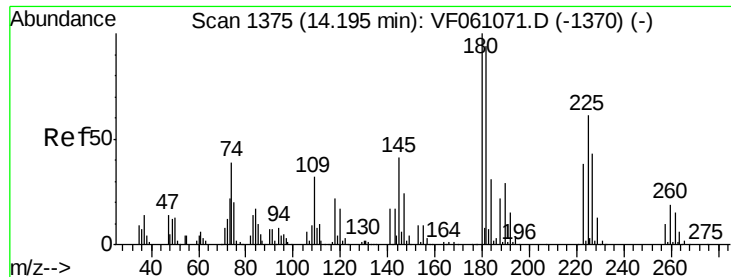
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 78.702 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: VF061072.D
 Acq: 18 Dec 2018 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	32882		
155	88.6	41.5	124.5	
157	112.4	53.2	159.6	





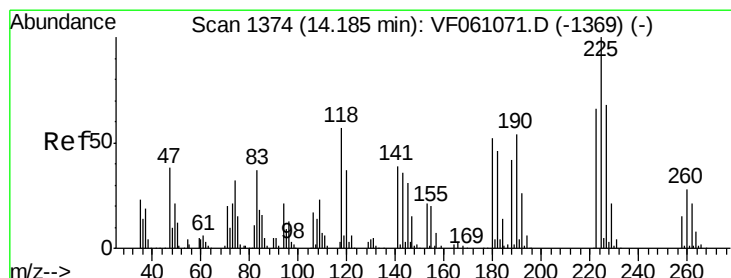
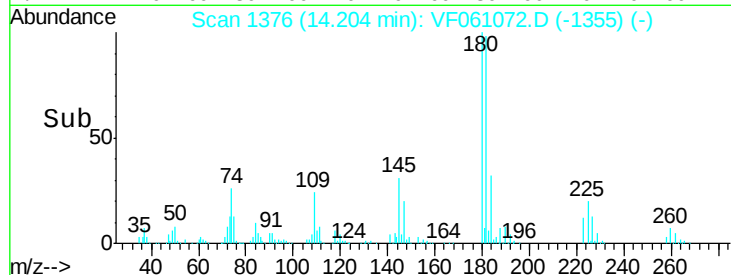
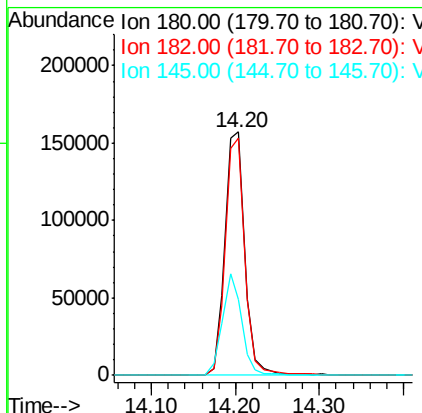
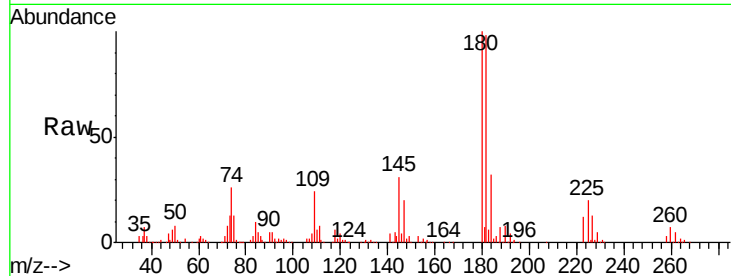
#93
1,2,4-Trichlorobenzene
Concen: 72.287 ug/l
RT: 14.20 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	260642		
182	97.6	46.9	140.6	
145	31.0	20.5	61.6	

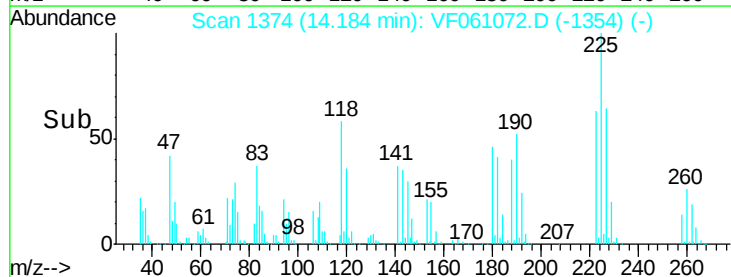
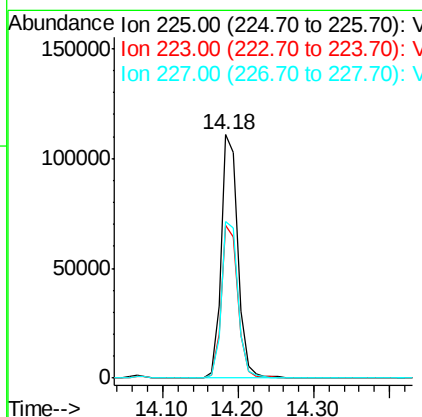
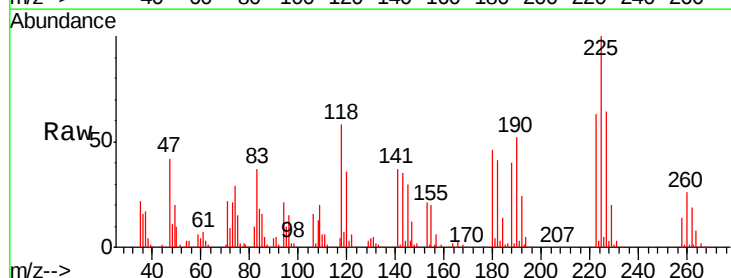
Manual Integrations
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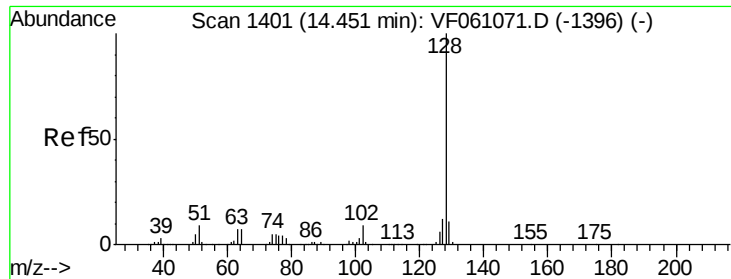
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#94
Hexachlorobutadiene
Concen: 71.658 ug/l
RT: 14.18 min Scan# 1374
Delta R.T. -0.00 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	172017		
223	63.0	32.8	98.3	
227	64.2	34.0	101.8	





#95

Naphthalene

Concen: 66.687 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

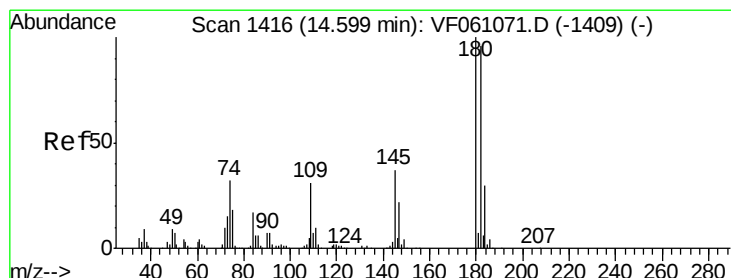
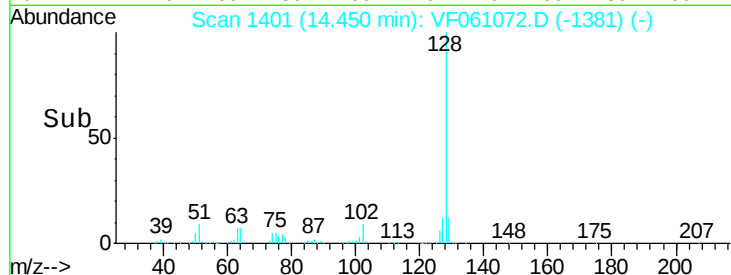
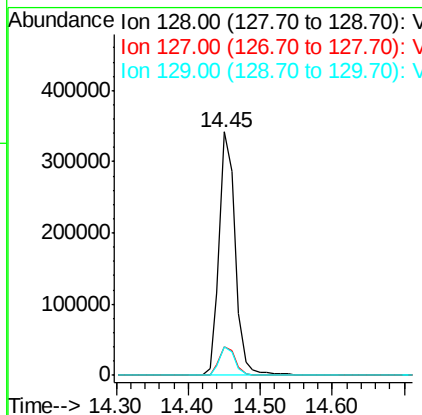
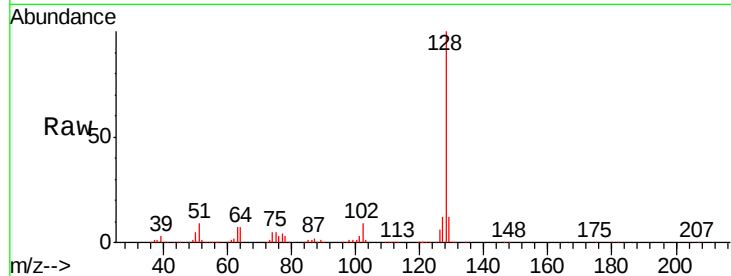
ClientSampleId :

VSTDIC075

Tgt Ion:	128	Resp:	527822
Ion Ratio		Lower	Upper
128	100		
127	11.5	9.4	14.2
129	11.6	8.8	13.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 73.627 ug/l

RT: 14.60 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Tgt Ion:	180	Resp:	249793
Ion Ratio		Lower	Upper
180	100		
182	97.7	47.9	143.8
145	38.7	18.6	55.8

