

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121418\
 Data File : VF061014.D
 Acq On : 14 Dec 2018 12:15
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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 12/15/2018 3:25:35 PM

Quant Time: Dec 15 00:13:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	192777	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.58	114	322671	50.00	ug/l	-0.06
63) Chlorobenzene-d5	9.76	117	282642	50.00	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	12.54	152	142973	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	106985	47.11	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	94.22%	
35) Dibromofluoromethane	4.10	113	118089	46.13	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	92.26%	
50) Toluene-d8	7.54	98	338855	44.94	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	89.88%	
62) 4-Bromofluorobenzene	11.40	95	147851	43.14	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	86.28%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.95	85	119364	41.411	ug/l	98
3) Chloromethane	1.09	50	89206	47.560	ug/l	98
4) Vinyl Chloride	1.13	62	87057	49.760	ug/l	95
5) Bromomethane	1.32	94	63521	51.489	ug/l	98
6) Chloroethane	1.38	64	40099	53.022	ug/l	95
7) Trichlorofluoromethane	1.48	101	186768	49.754	ug/l	98
8) Diethyl Ether	1.62	74	28114	52.083	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.82	101	102679	54.106	ug/l	98
10) Methyl Iodide	1.89	142	153458m	53.200	ug/l	
11) Tert butyl alcohol	2.56	59	24477	262.931	ug/l	95
12) 1,1-Dichloroethene	1.78	96	82519	54.060	ug/l	98
13) Acrolein	1.99	56	17499	198.396	ug/l	98
14) Allyl chloride	2.09	41	98924	51.996	ug/l	99
15) Acrylonitrile	2.92	53	57783	276.862	ug/l	95
16) Acetone	2.22	43	133391	318.522	ug/l	96
17) Carbon Disulfide	1.84	76	177829	43.450	ug/l	94
18) Methyl Acetate	2.33	43	43209	61.893	ug/l	98
19) Methyl tert-butyl Ether	2.42	73	178530	51.929	ug/l	93
20) Methylene Chloride	2.16	84	76318m	49.676	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	78741	53.507	ug/l	97
22) Diisopropyl ether	2.79	45	292181	56.420	ug/l	97
23) Vinyl Acetate	3.17	43	673738	284.609	ug/l	98
24) 1,1-Dichloroethane	2.86	63	172147	55.871	ug/l	99
25) 2-Butanone	4.32	43	198500	274.041	ug/l	96
26) 2,2-Dichloropropane	3.59	77	104953	52.541	ug/l	97
27) cis-1,2-Dichloroethene	3.46	96	130946	54.657	ug/l	98
28) Bromochloromethane	3.69	49	72070	48.738	ug/l	98
29) Tetrahydrofuran	4.05	42	74074	241.253	ug/l	96
30) Chloroform	3.84	83	246749	52.034	ug/l	96
31) Cyclohexane	3.66	56	154689	48.376	ug/l	96
32) 1,1,1-Trichloroethane	4.07	97	175594	53.393	ug/l	95
36) 1,1-Dichloropropene	4.26	75	173020	48.344	ug/l	100
37) Ethyl Acetate	4.09	43	70573	48.524	ug/l #	83
38) Carbon Tetrachloride	3.97	117	152645	48.288	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	170047	45.338	ug/l	89
40) Benzene	4.61	78	370850	46.904	ug/l	96
41) Methacrylonitrile	4.72	41	38698	51.508	ug/l	92
42) 1,2-Dichloroethane	4.93	62	145206	50.304	ug/l	100
43) Isopropyl Acetate	6.94	43	91065	50.791	ug/l #	90
44) Trichloroethene	5.49	130	122197	47.268	ug/l	100
45) 1,2-Dichloropropane	6.22	63	111485	54.291	ug/l #	55
46) Dibromomethane	6.07	93	69182	49.664	ug/l	93
47) Bromodichloromethane	6.37	83	187356	50.639	ug/l	99
48) Methyl methacrylate	6.70	41	65327	49.622	ug/l	95
49) 1,4-Dioxane	6.69	88	9088	943.236	ug/l #	91
51) 4-Methyl-2-Pentanone	8.24	43	326987	243.805	ug/l	98
52) Toluene	7.61	92	253961	45.728	ug/l	100
53) t-1,3-Dichloropropene	8.26	75	145890	48.477	ug/l	98
54) cis-1,3-Dichloropropene	7.28	75	190530	51.140	ug/l	95
55) 1,1,2-Trichloroethane	8.48	97	79909	49.379	ug/l	94
56) Ethyl methacrylate	8.61	69	88977	49.494	ug/l	92
57) 1,3-Dichloropropane	8.83	76	139549	49.288	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.27	63	80277	436.572	ug/l	98
59) 2-Hexanone	9.47	43	249588	265.259	ug/l	99
60) Dibromochloromethane	8.70	129	121930	50.568	ug/l	99
61) 1,2-Dibromoethane	8.97	107	86884	49.699	ug/l	97
64) Tetrachloroethene	8.13	164	110832	51.339	ug/l	98
65) Chlorobenzene	9.78	112	293069	53.300	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.92	131	121961	51.595	ug/l	97
67) Ethyl Benzene	9.89	91	537480	52.506	ug/l	95
68) m/p-Xylenes	10.12	106	379831	103.168	ug/l	97
69) o-Xylene	10.70	106	220276	54.258	ug/l	89
70) Styrene	10.78	104	300794	53.448	ug/l	98
71) Bromoform	10.76	173	61638	53.984	ug/l	99
73) Isopropylbenzene	11.11	105	624999	55.317	ug/l	97
74) N-amyl acetate	11.36	43	144192	55.267	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	109713	59.002	ug/l	99
76) 1,2,3-Trichloropropane	11.78	75	73540m	54.410	ug/l	
77) Bromobenzene	11.49	156	133550	53.915	ug/l	94
78) n-propylbenzene	11.59	91	716984	54.188	ug/l	98
79) 2-Chlorotoluene	11.70	91	427777	56.385	ug/l	100
80) 1,3,5-Trimethylbenzene	11.81	105	493835	53.840	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.86	75	33257m	50.220	ug/l	
82) 4-Chlorotoluene	11.89	91	425192	53.255	ug/l	93
83) tert-Butylbenzene	12.12	119	524322	56.118	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	475379	51.930	ug/l	99
85) sec-Butylbenzene	12.30	105	695276	54.360	ug/l	100
86) p-Isopropyltoluene	12.45	119	564642	52.656	ug/l	100
87) 1,3-Dichlorobenzene	12.46	146	247737	52.579	ug/l	99
88) 1,4-Dichlorobenzene	12.55	146	238619	51.967	ug/l	97
89) n-Butylbenzene	12.83	91	598465	55.194	ug/l	95
90) Hexachloroethane	12.91	117	149755	57.995	ug/l	91
91) 1,2-Dichlorobenzene	12.93	146	240304	53.856	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.63	75	18695	52.001	ug/l	71

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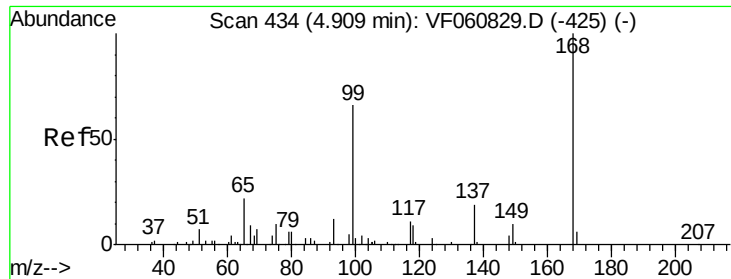
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	168376	54.007	ug/l	97
94) Hexachlorobutadiene	14.18	225	118901	57.210	ug/l	99
95) Naphthalene	14.45	128	321542	53.373	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	150464	51.977	ug/l	96

(#) = 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. -0.05 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 168 Resp: 192777

Ion Ratio Lower Upper

168 100

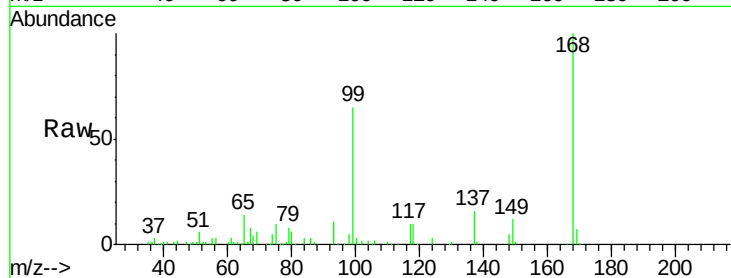
99 65.0 52.6 79.0

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

60000

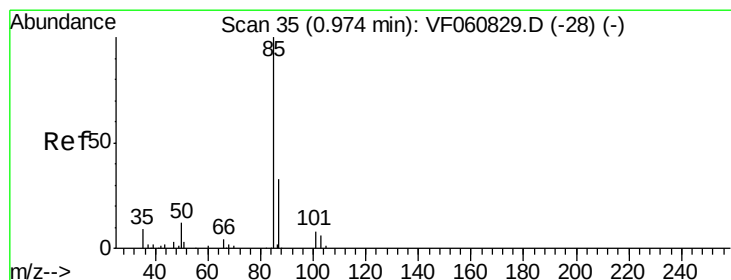
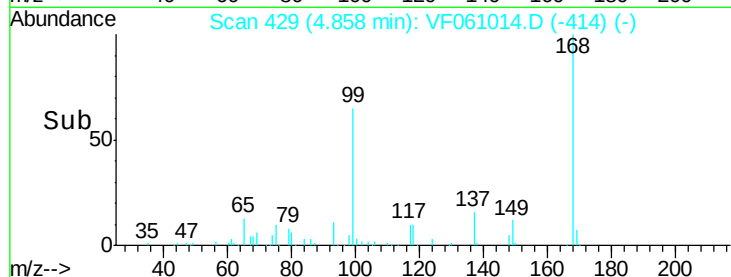
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 41.411 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.02 min

Lab File: VF061014.D

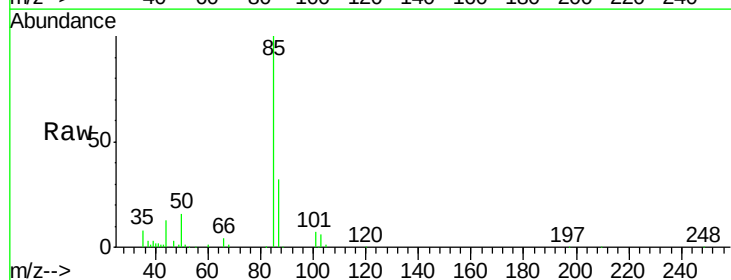
Acq: 14 Dec 2018 12:15

Tgt Ion: 85 Resp: 119364

Ion Ratio Lower Upper

85 100

87 31.9 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

40000

30000

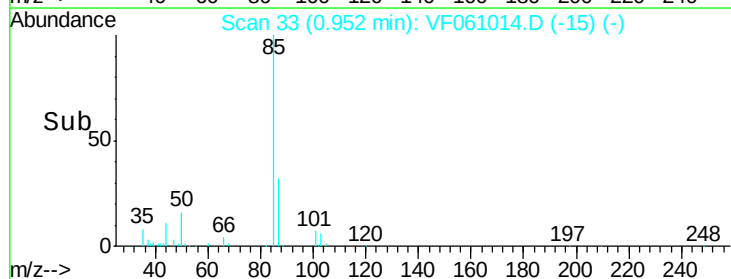
20000

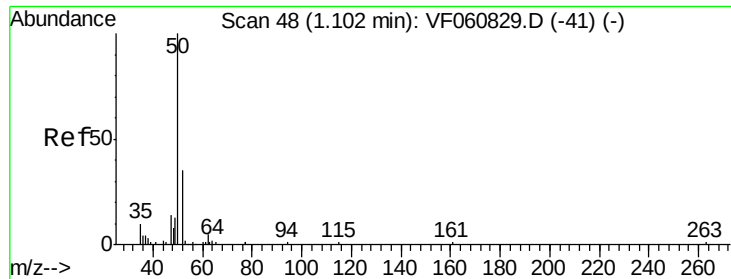
10000

0

0.80 0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 47.560 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 89206

Ion Ratio Lower Upper

50 100

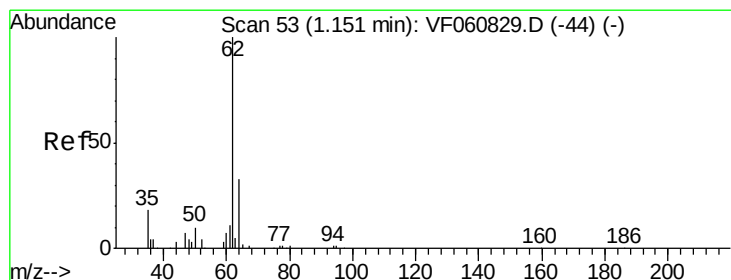
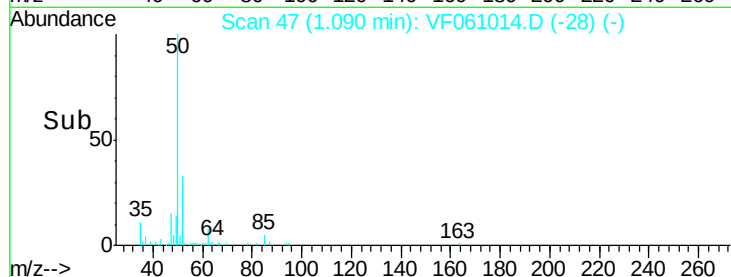
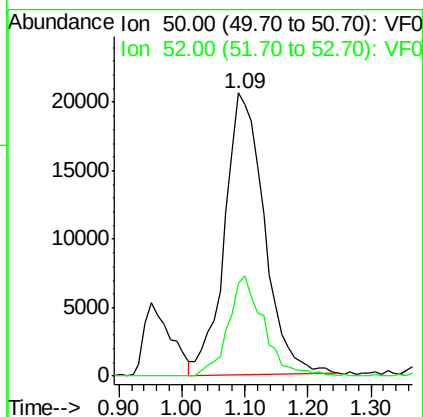
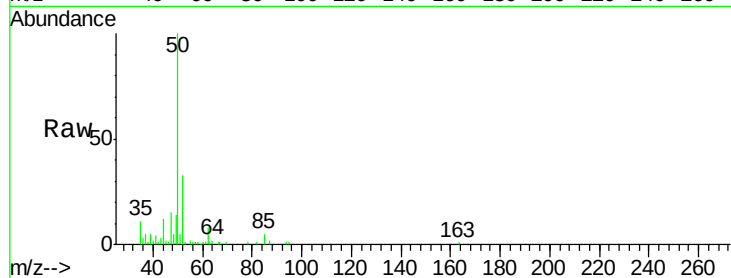
52 32.7 27.0 40.4

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#4

Vinyl Chloride

Concen: 49.760 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.02 min

Lab File: VF061014.D

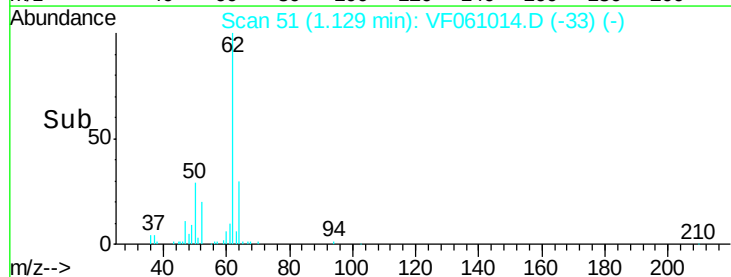
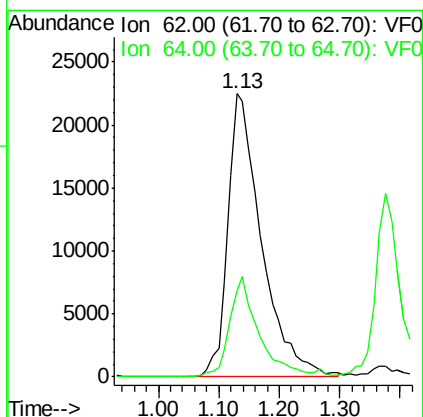
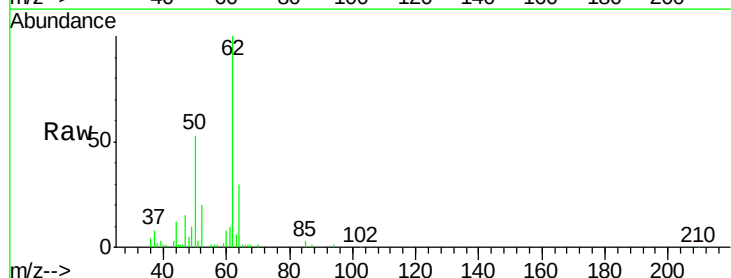
Acq: 14 Dec 2018 12:15

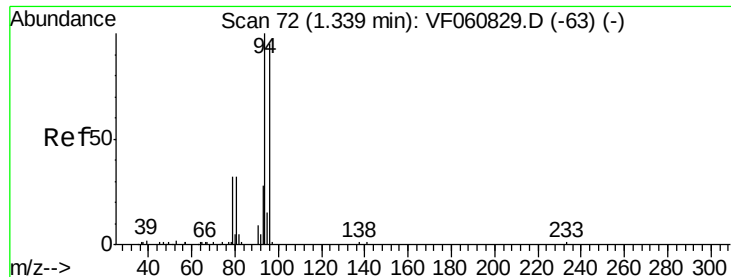
Tgt Ion: 62 Resp: 87057

Ion Ratio Lower Upper

62 100

64 30.4 26.4 39.6





#5

Bromomethane

Concen: 51.489 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.02 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 63521

Ion Ratio Lower Upper

94 100

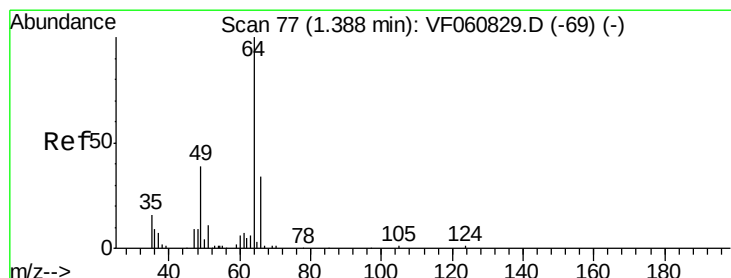
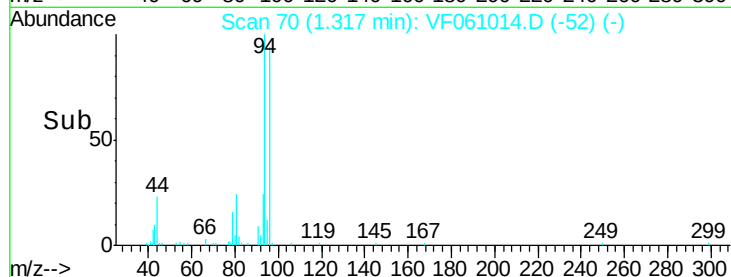
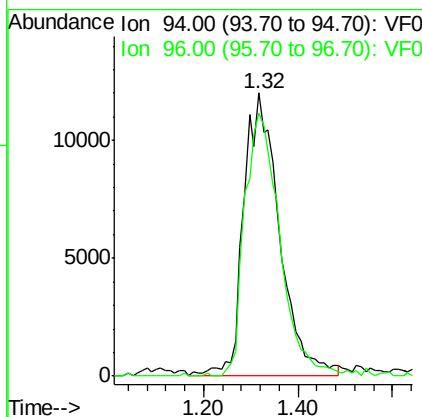
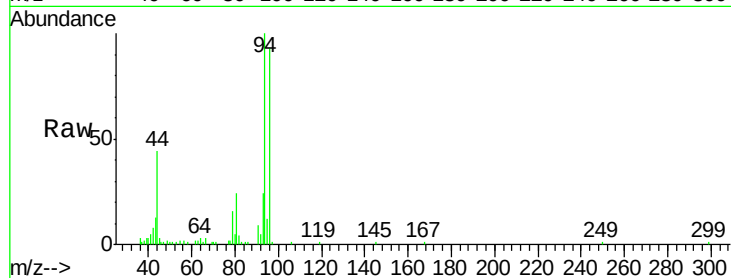
96 93.1 75.9 113.9

Manual Integrations

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#6

Chloroethane

Concen: 53.022 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061014.D

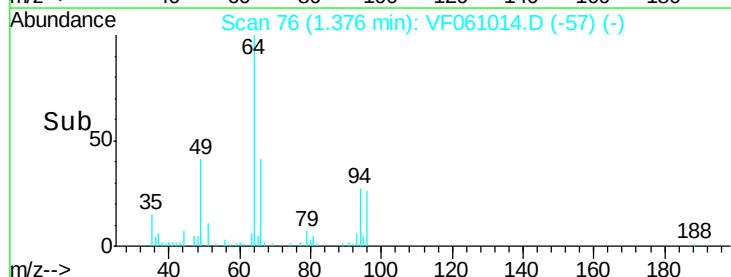
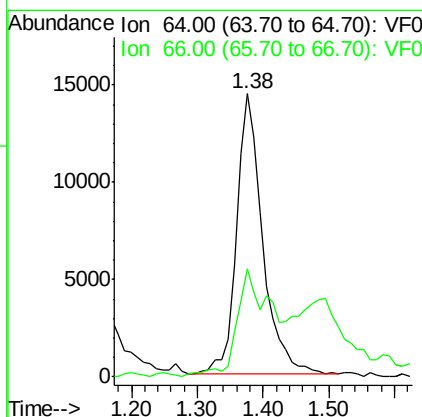
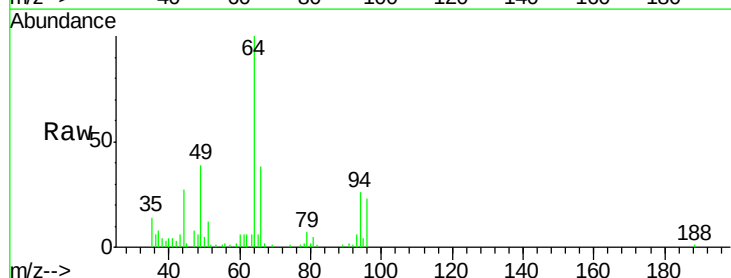
Acq: 14 Dec 2018 12:15

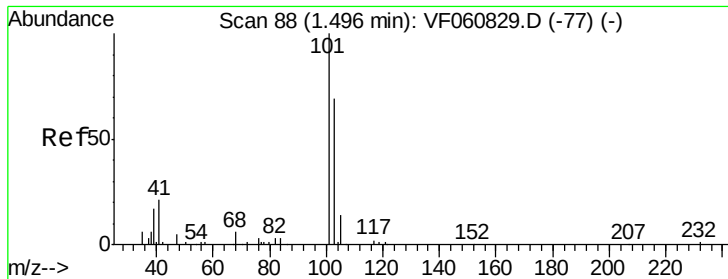
Tgt Ion: 64 Resp: 40099

Ion Ratio Lower Upper

64 100

66 38.2 28.1 42.1





#7

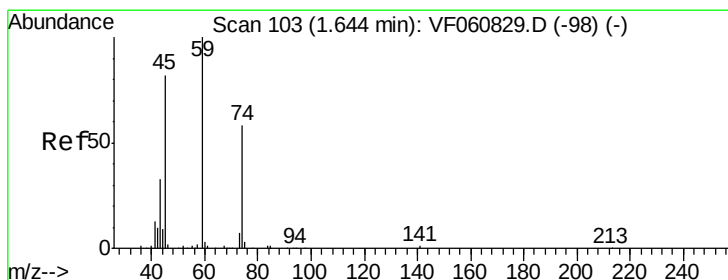
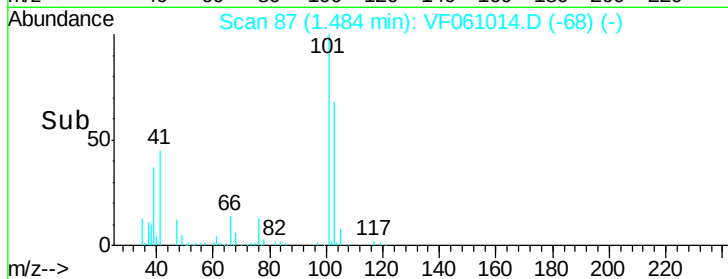
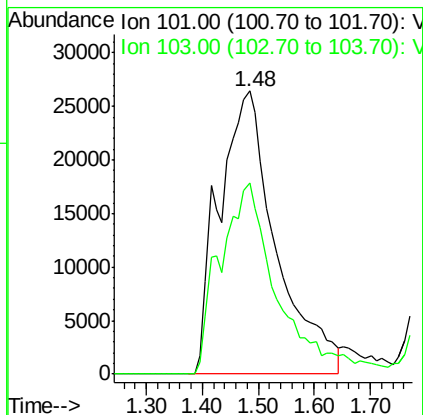
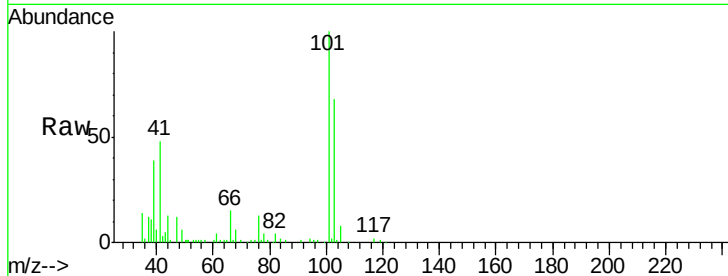
Trichlorofluoromethane
Concen: 49.754 ug/l
RT: 1.48 min Scan# 87
Delta R.T. -0.01 min
Lab File: VF061014.D
Acq: 14 Dec 2018 12:15

Instrument :
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ClientSampleId :
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Tgt Ion: 101 Resp: 186768
Ion Ratio Lower Upper
101 100
103 67.6 55.4 83.0

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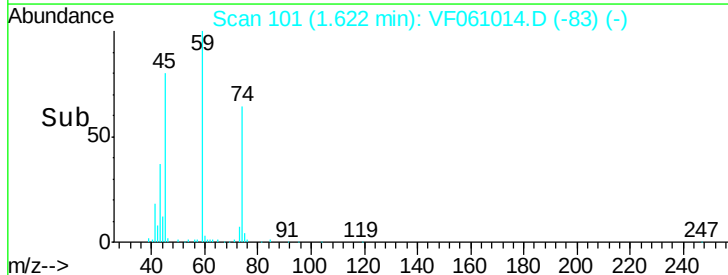
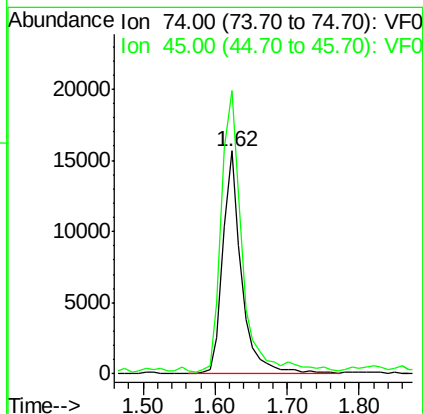
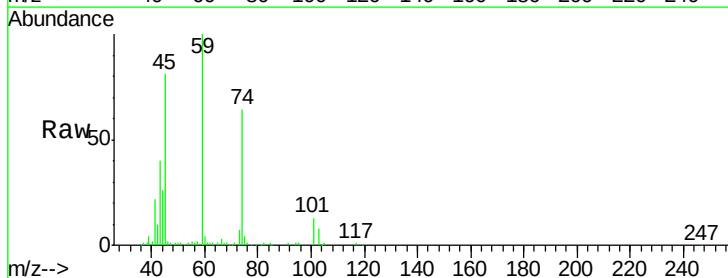
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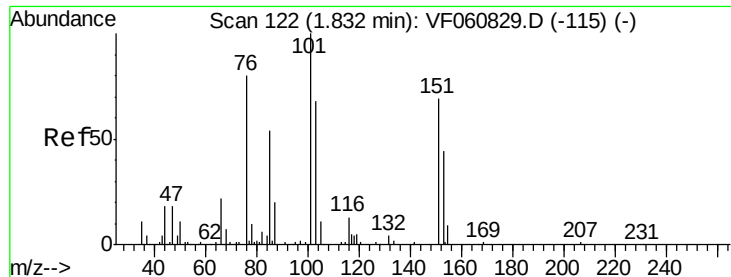


#8

Diethyl Ether
Concen: 52.083 ug/l
RT: 1.62 min Scan# 101
Delta R.T. -0.02 min
Lab File: VF061014.D
Acq: 14 Dec 2018 12:15

Tgt Ion: 74 Resp: 28114
Ion Ratio Lower Upper
74 100
45 127.0 71.0 212.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.106 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

Instrument :

MSVOA_F

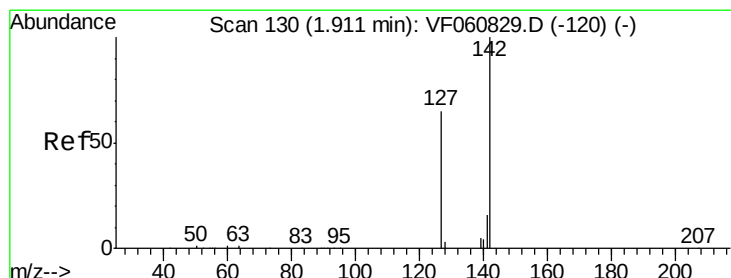
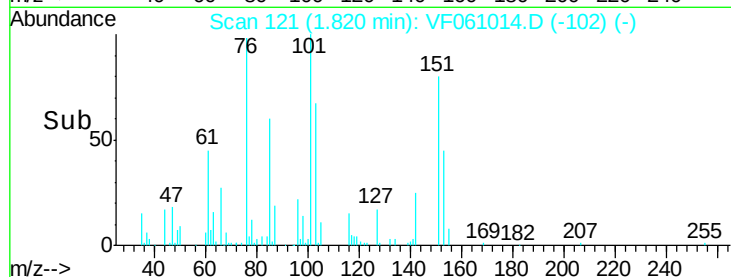
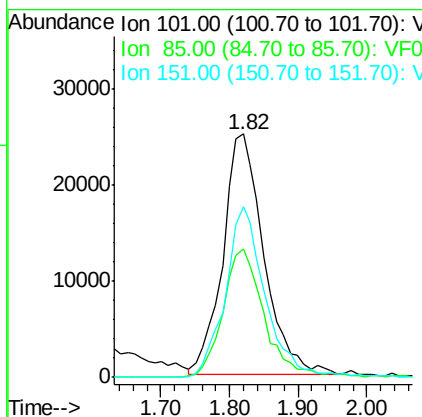
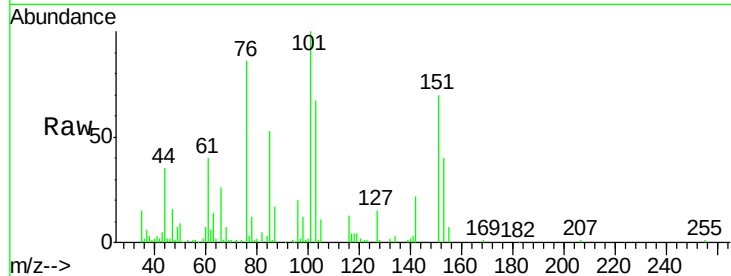
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	102679
Ion Ratio	Lower	Upper	
101	100		
85	52.8	42.8	64.2
151	70.3	54.4	81.6

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#10

Methyl Iodide

Concen: 53.200 ug/l m

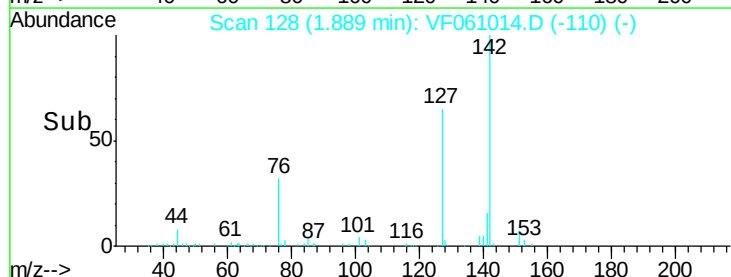
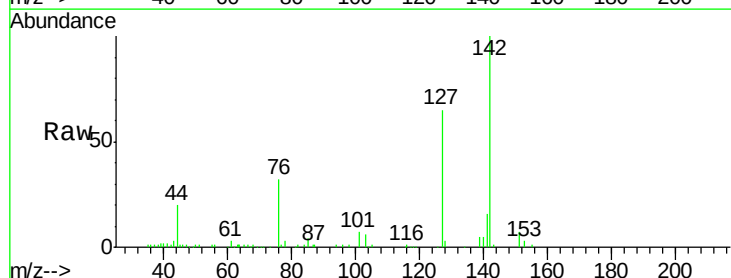
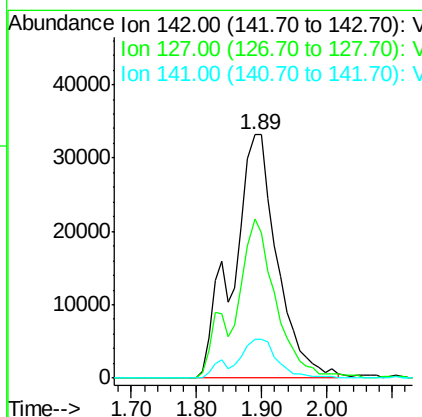
RT: 1.89 min Scan# 128

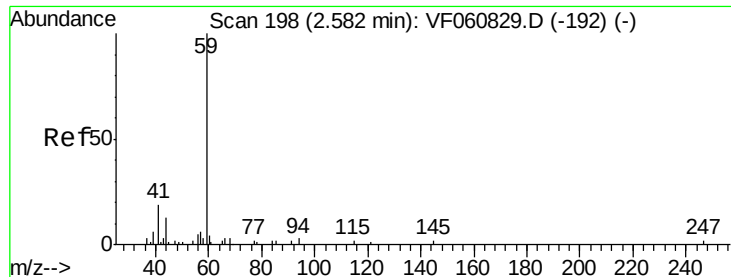
Delta R.T. -0.02 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

Tgt Ion:	142	Resp:	153458
Ion Ratio	Lower	Upper	
142	100		
127	65.3	51.9	77.9
141	16.2	12.7	19.1





#11

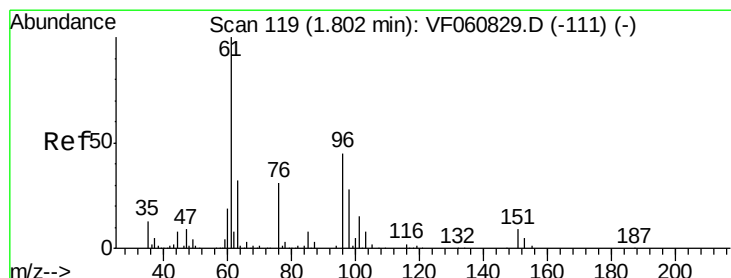
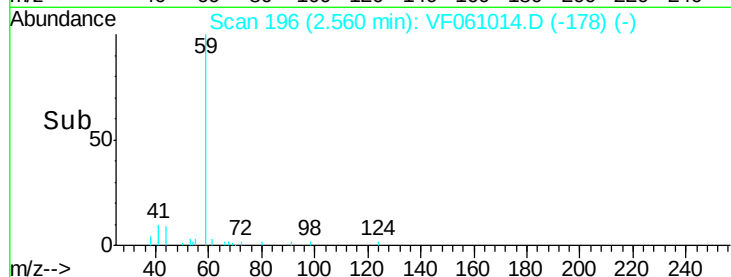
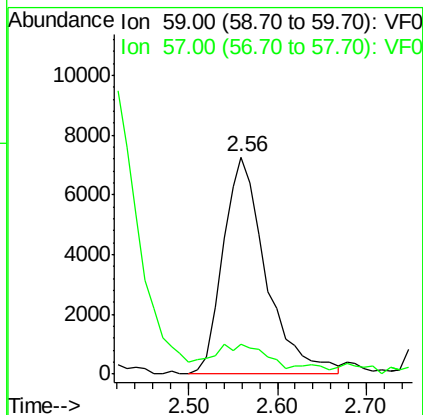
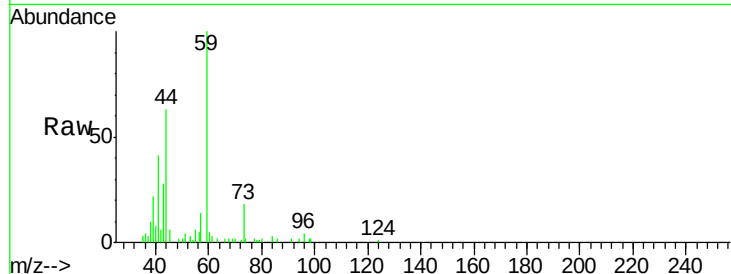
Tert butyl alcohol
Concen: 262.931 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.02 min
Lab File: VF061014.D
Acq: 14 Dec 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 24477
Ion Ratio Lower Upper
59 100
57 13.7 12.7 19.1

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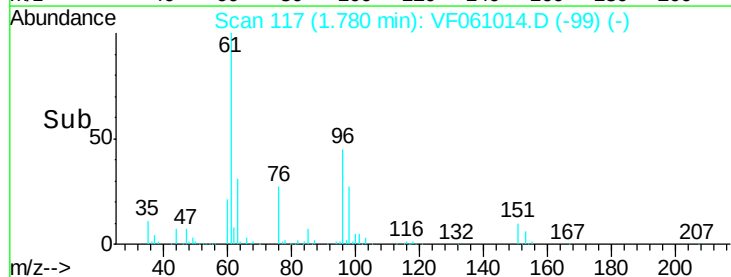
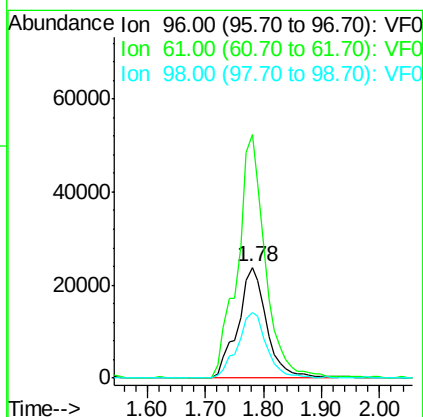
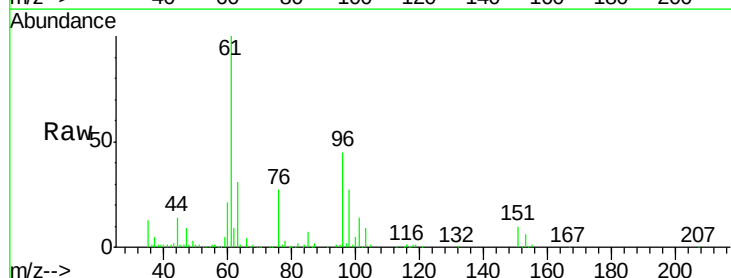
apatel
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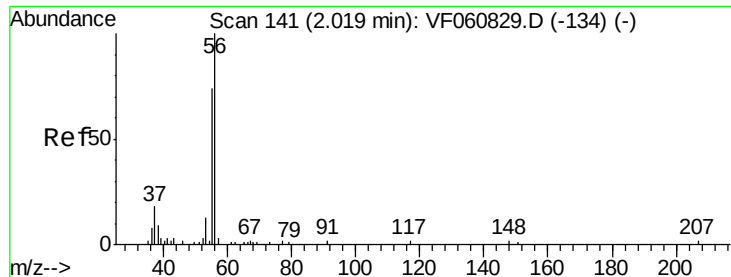


#12

1,1-Dichloroethene
Concen: 54.060 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.02 min
Lab File: VF061014.D
Acq: 14 Dec 2018 12:15

Tgt Ion: 96 Resp: 82519
Ion Ratio Lower Upper
96 100
61 220.0 177.3 265.9
98 59.2 49.6 74.4





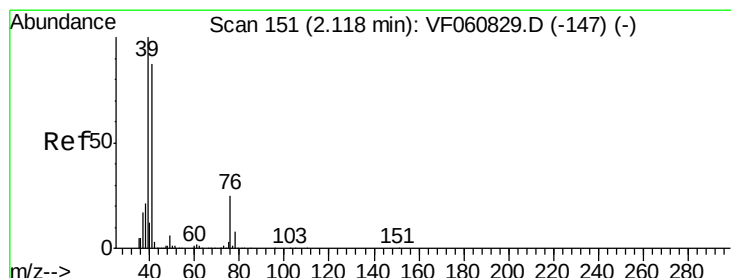
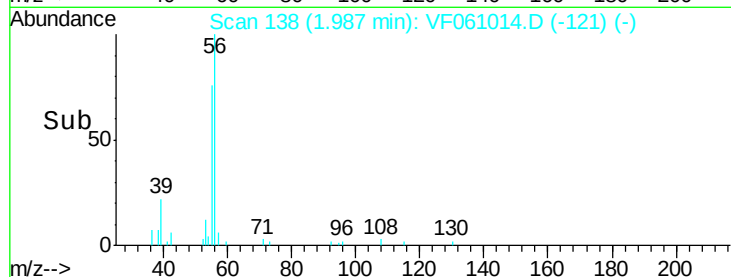
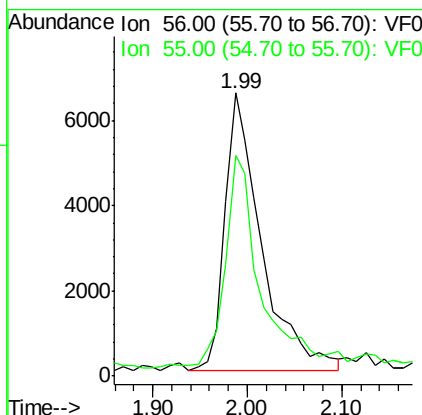
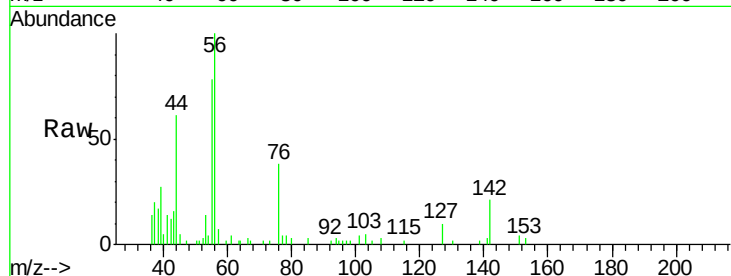
#13
Acrolein
Concen: 198.396 ug/l
RT: 1.99 min Scan# 138
Delta R.T. -0.03 min
Lab File: VF061014.D
Acq: 14 Dec 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 17499
Ion Ratio Lower Upper
56 100
55 78.0 61.2 91.8

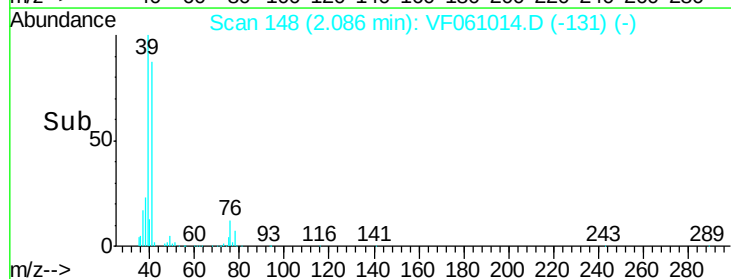
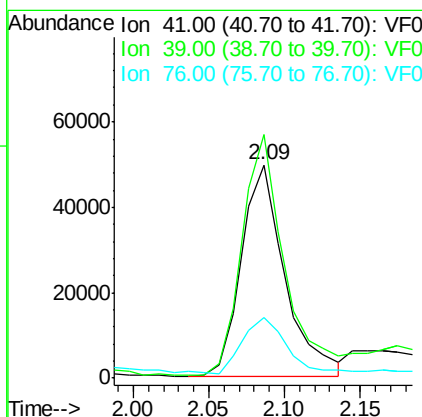
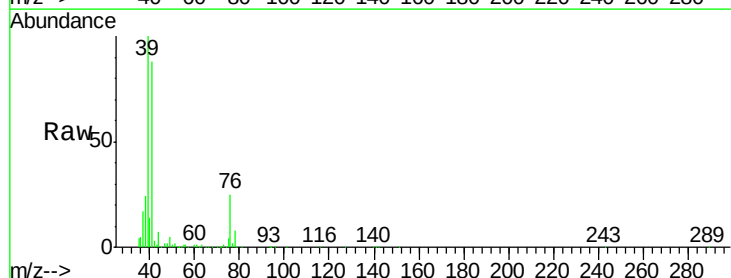
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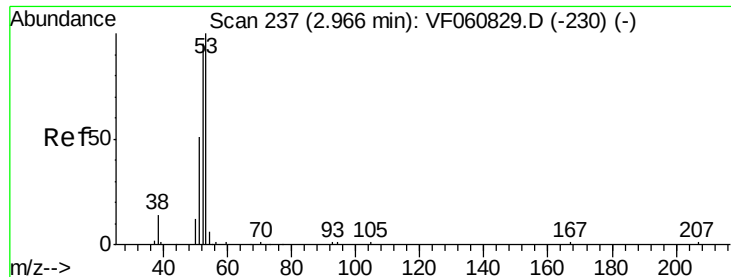
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#14
Allyl chloride
Concen: 51.996 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.03 min
Lab File: VF061014.D
Acq: 14 Dec 2018 12:15

Tgt Ion: 41 Resp: 98924
Ion Ratio Lower Upper
41 100
39 114.1 91.7 137.5
76 28.6 23.5 35.3





#15

Acrylonitrile

Concen: 276.862 ug/l

RT: 2.92 min Scan# 233

Delta R.T. -0.04 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

Instrument :

MSVOA_F

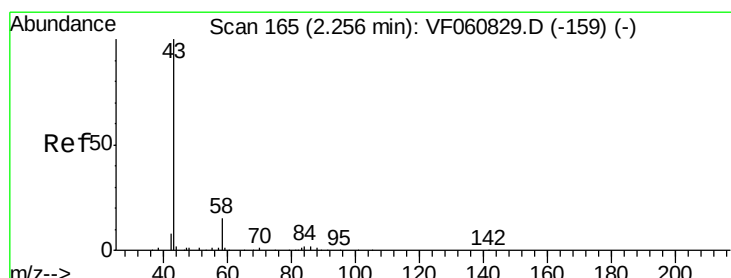
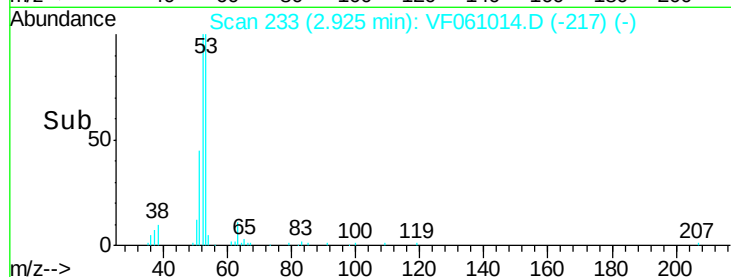
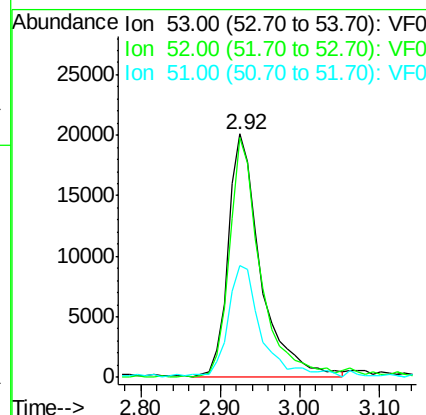
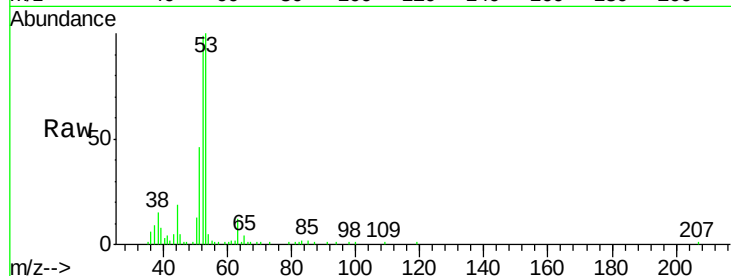
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	57783
Ion	Ratio	Lower	Upper
53	100		
52	98.7	76.5	114.7
51	45.8	40.7	61.1

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#16

Acetone

Concen: 318.522 ug/l

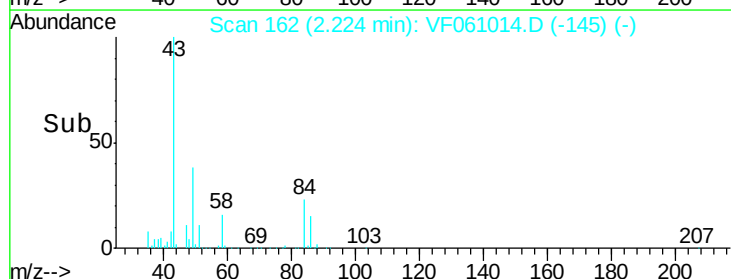
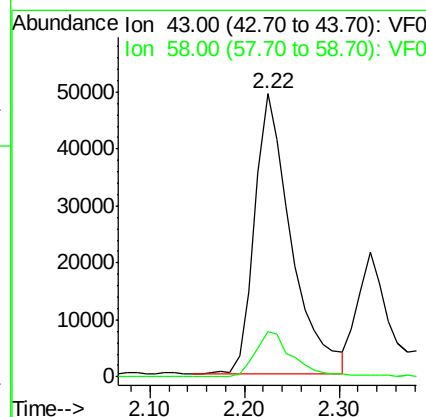
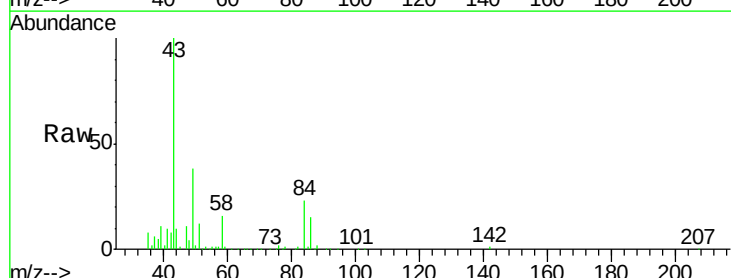
RT: 2.22 min Scan# 162

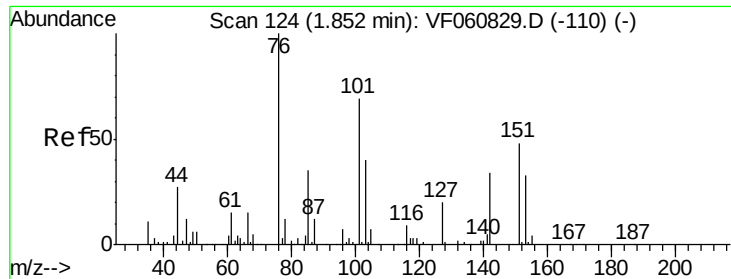
Delta R.T. -0.03 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

Tgt Ion:	43	Resp:	133391
Ion	Ratio	Lower	Upper
43	100		
58	15.9	11.4	17.2





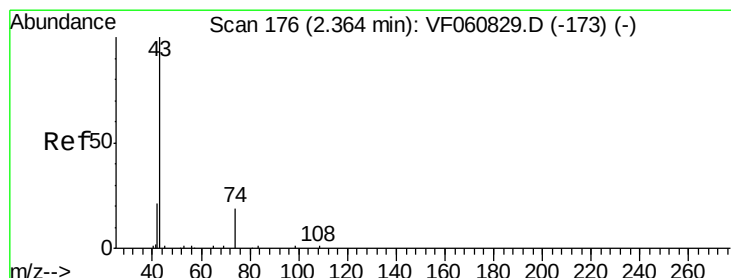
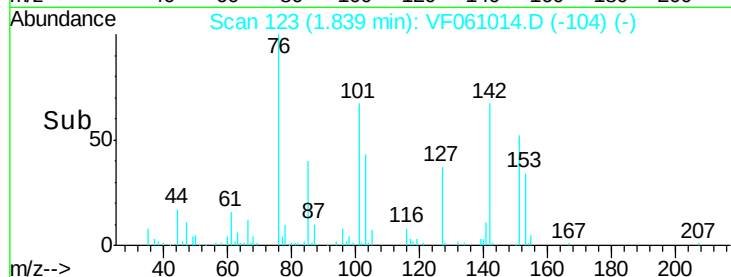
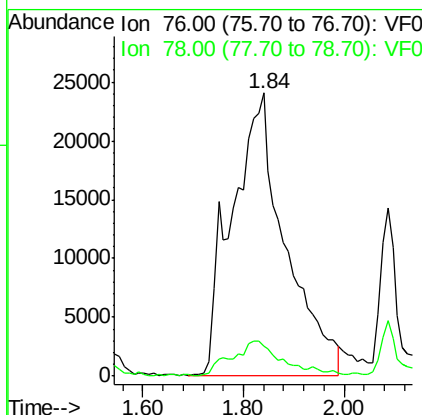
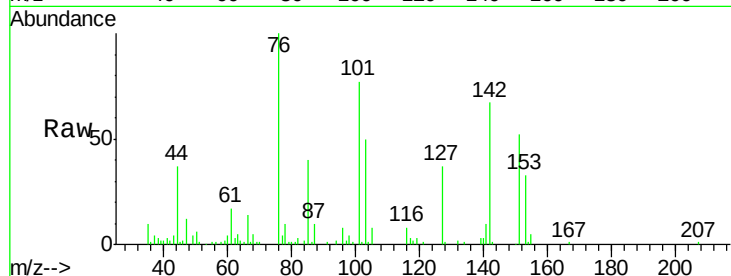
#17
Carbon Disulfide
Concen: 43.450 ug/l
RT: 1.84 min Scan# 123
Delta R.T. -0.01 min
Lab File: VF061014.D
Acq: 14 Dec 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 177829
Ion Ratio Lower Upper
76 100
78 10.4 10.2 15.2

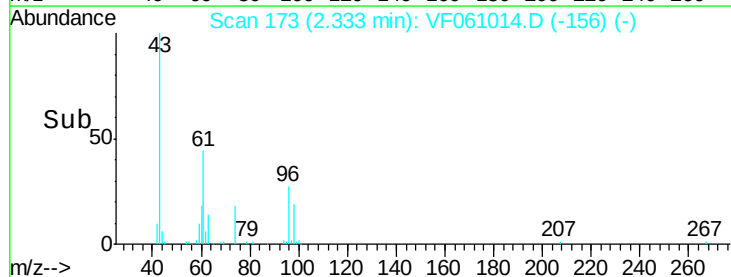
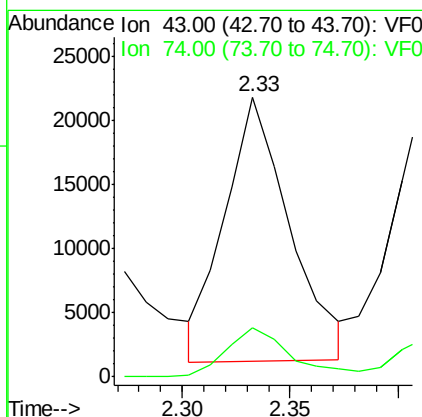
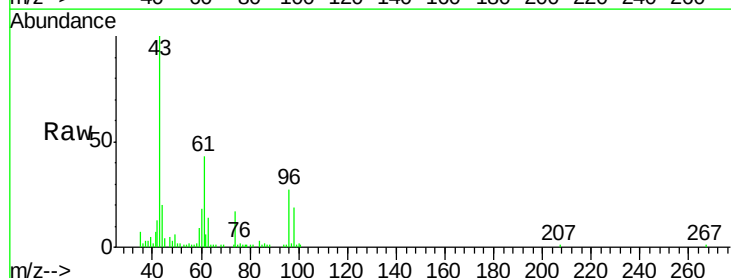
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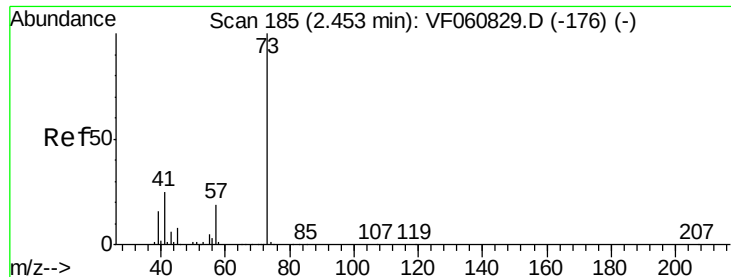
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#18
Methyl Acetate
Concen: 61.893 ug/l
RT: 2.33 min Scan# 173
Delta R.T. -0.03 min
Lab File: VF061014.D
Acq: 14 Dec 2018 12:15

Tgt Ion: 43 Resp: 43209
Ion Ratio Lower Upper
43 100
74 17.5 13.3 19.9





#19

Methyl tert-butyl Ether

Concen: 51.929 ug/l

RT: 2.42 min Scan# 182

Delta R.T. -0.03 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

Tgt Ion: 73 Resp: 178530

Ion Ratio Lower Upper

73 100

57 16.0 15.3 22.9

Instrument :

MSVOA_F

ClientSampleId :

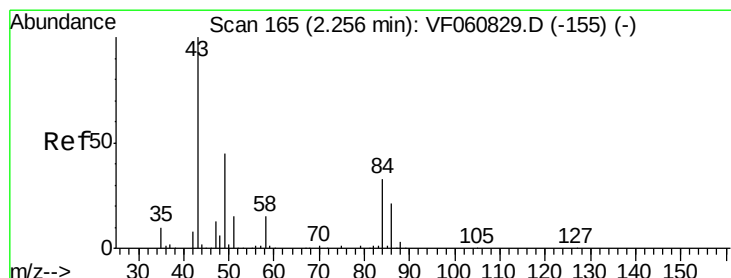
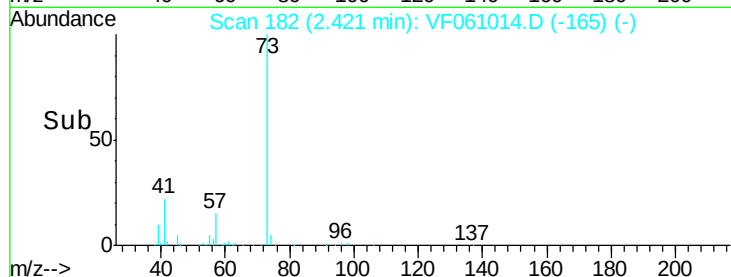
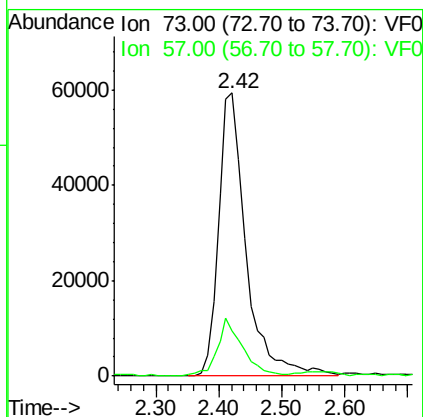
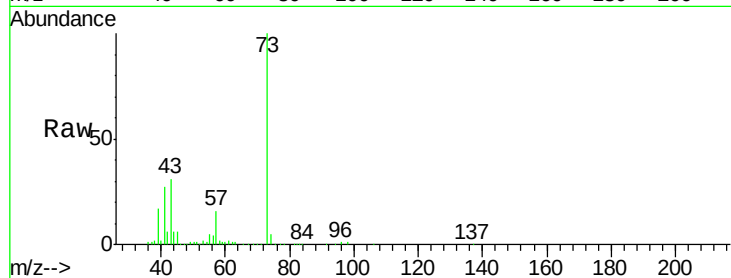
VSTDCCC050

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#20

Methylene Chloride

Concen: 49.676 ug/l m

RT: 2.16 min Scan# 156

Delta R.T. -0.09 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

Tgt Ion: 84 Resp: 76318

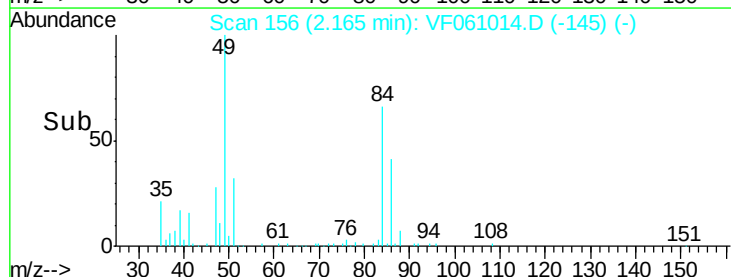
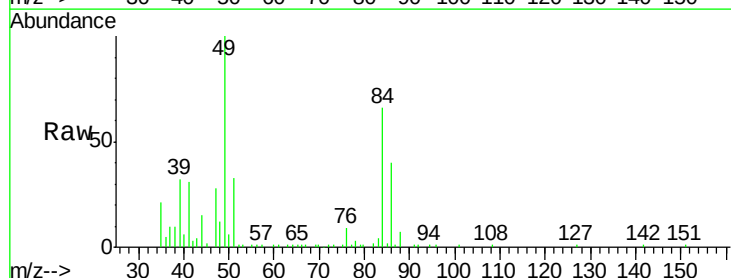
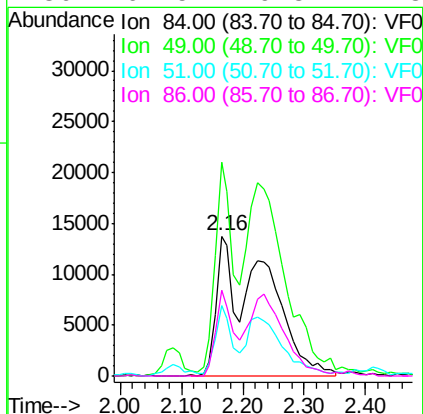
Ion Ratio Lower Upper

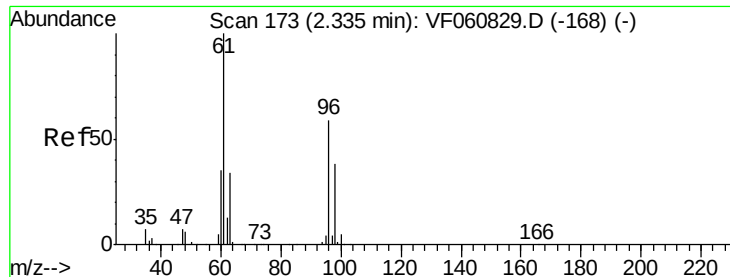
84 100

49 152.6 111.3 166.9

51 50.0 38.0 57.0

86 61.5 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 53.507 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.04 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

Instrument :

MSVOA_F

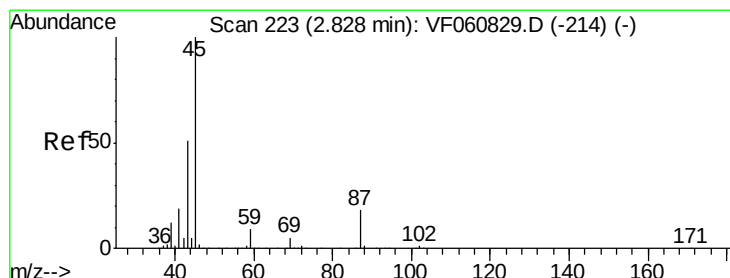
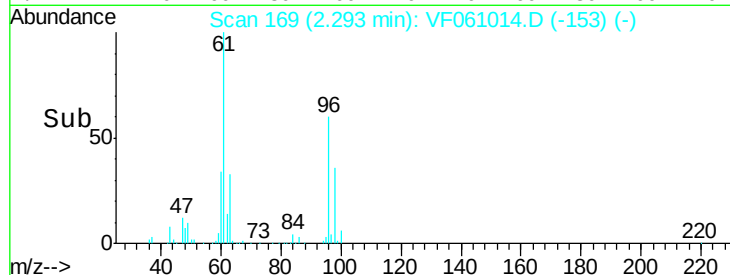
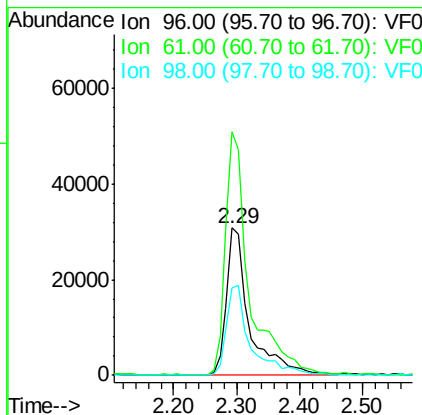
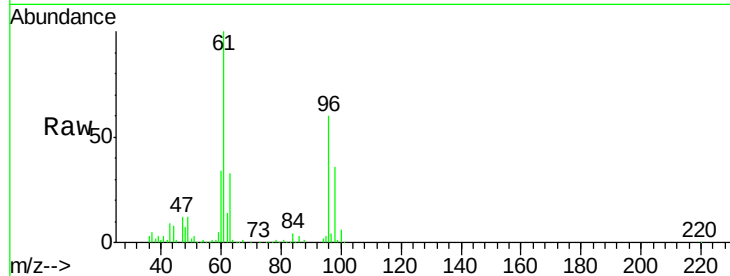
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	78741
Ion	Ratio	Lower	Upper
96	100		
61	165.6	134.5	201.7
98	59.4	51.6	77.4

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#22

Diisopropyl ether

Concen: 56.420 ug/l

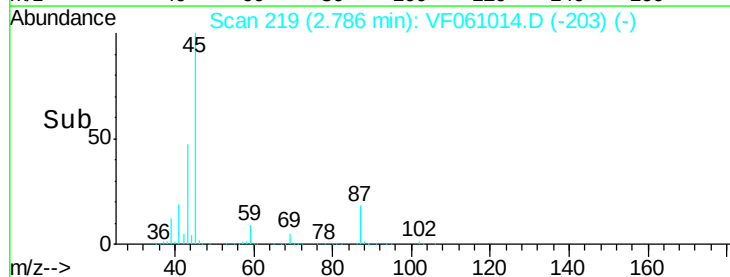
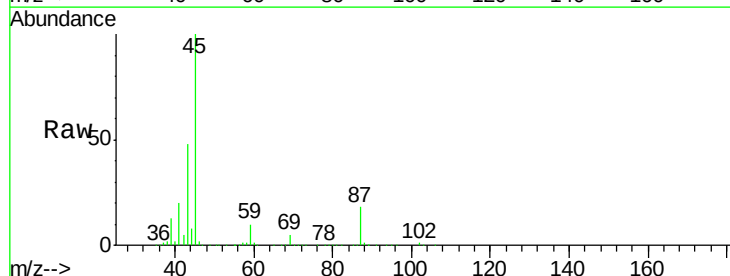
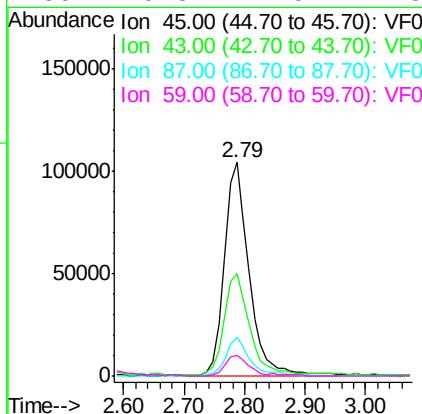
RT: 2.79 min Scan# 219

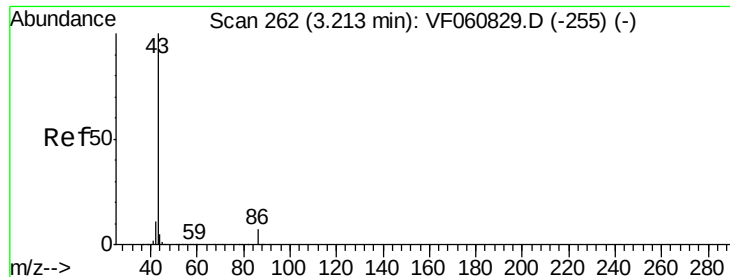
Delta R.T. -0.04 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

Tgt Ion:	45	Resp:	292181
Ion	Ratio	Lower	Upper
45	100		
43	47.9	41.0	61.6
87	18.2	14.6	22.0
59	9.8	7.5	11.3





#23

Vinyl Acetate

Concen: 284.609 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.04 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 673738

Ion Ratio Lower Upper

43 100

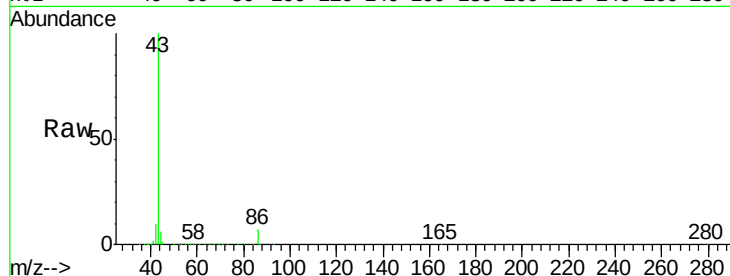
86 7.4 5.4 8.0

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

300000

250000

200000

150000

100000

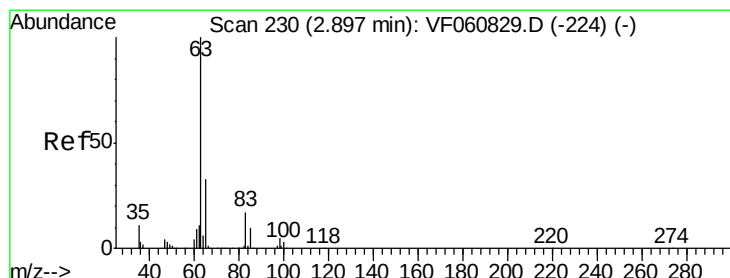
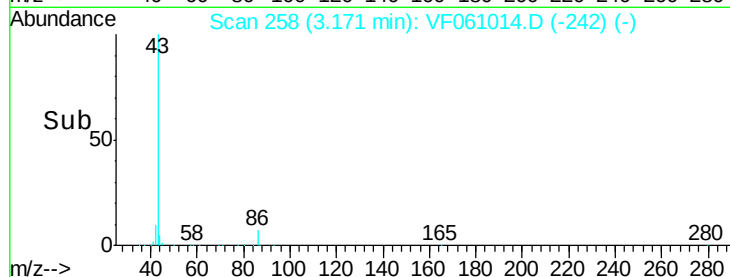
50000

0

3.17

3.00 3.10 3.20 3.30 3.40

Time-->



#24

1,1-Dichloroethane

Concen: 55.871 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.04 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

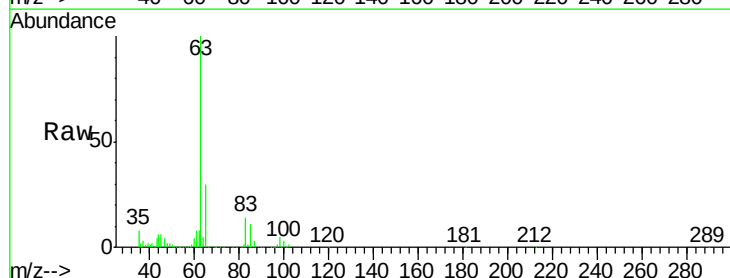
Tgt Ion: 63 Resp: 172147

Ion Ratio Lower Upper

63 100

98 4.8 2.7 8.1

100 2.9 1.5 4.5



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

80000

60000

40000

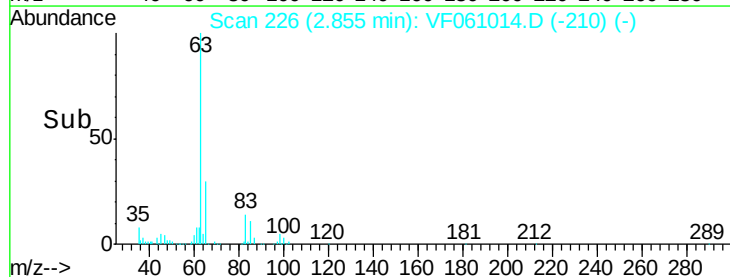
20000

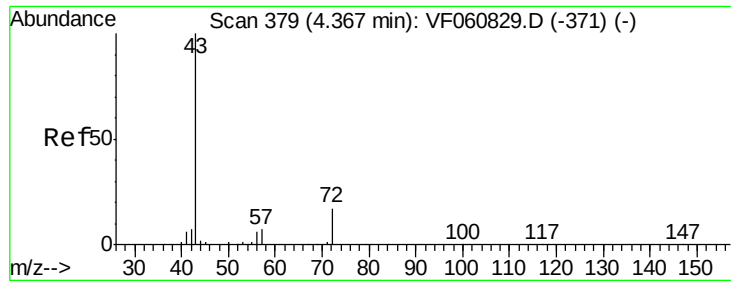
0

2.86

2.70 2.80 2.90 3.00 3.10

Time-->





#25

2-Butanone

Concen: 274.041 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.05 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 198500

Ion Ratio Lower Upper

43 100

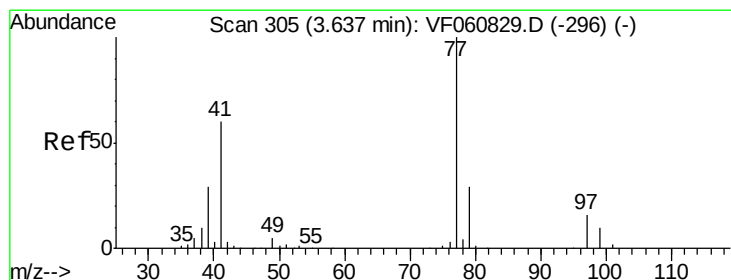
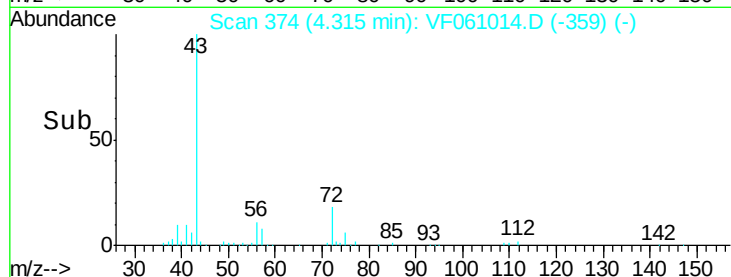
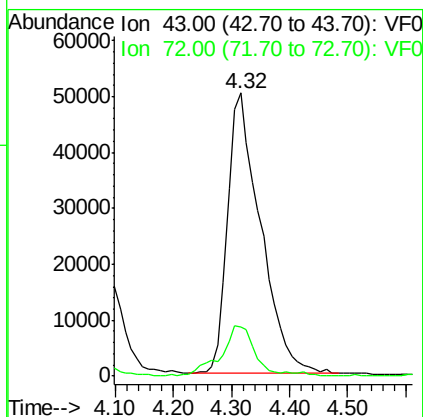
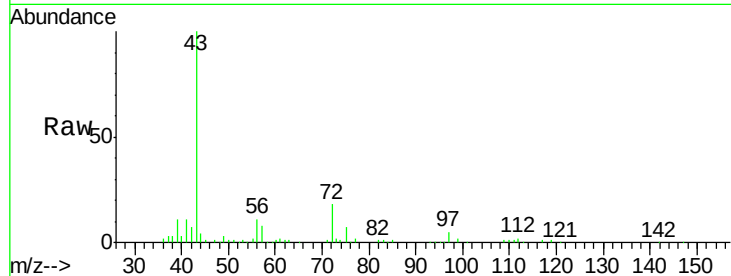
72 17.5 15.4 23.2

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#26

2,2-Dichloropropane

Concen: 52.541 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.05 min

Lab File: VF061014.D

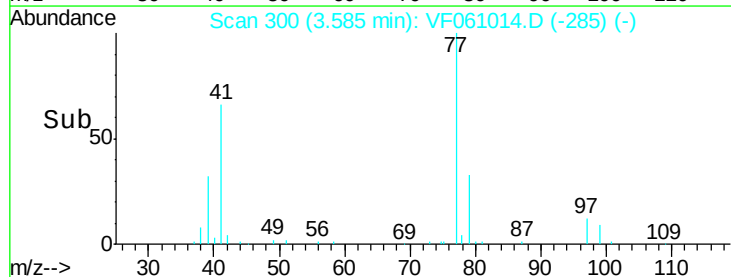
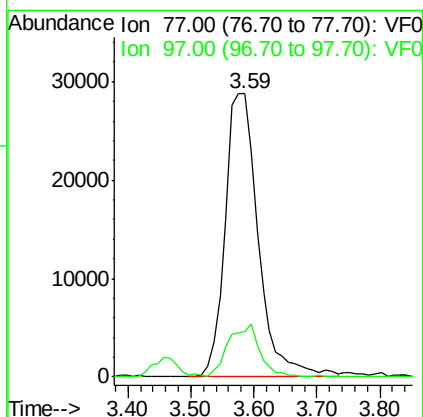
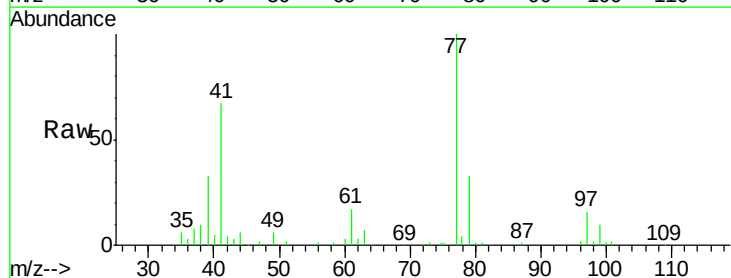
Acq: 14 Dec 2018 12:15

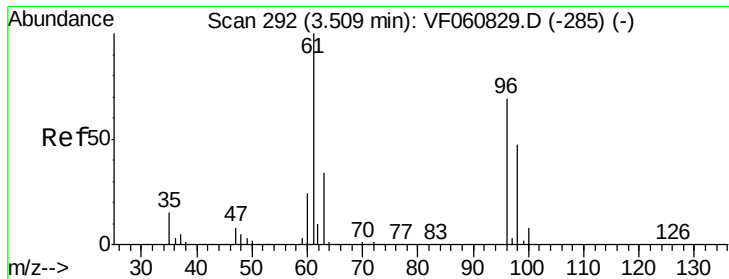
Tgt Ion: 77 Resp: 104953

Ion Ratio Lower Upper

77 100

97 15.9 8.6 25.8





#27

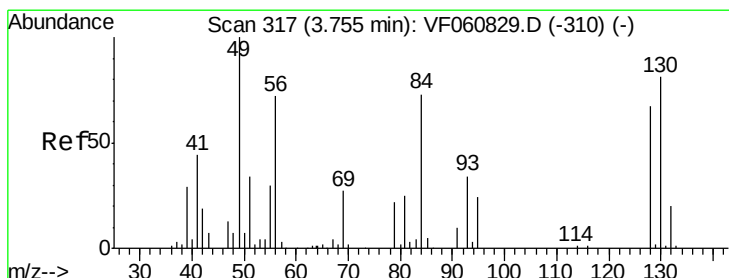
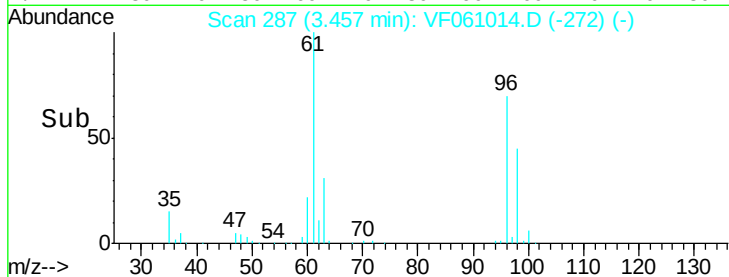
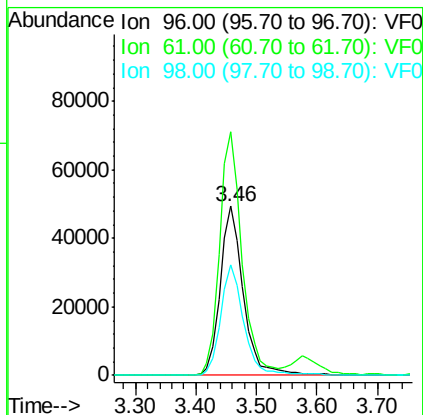
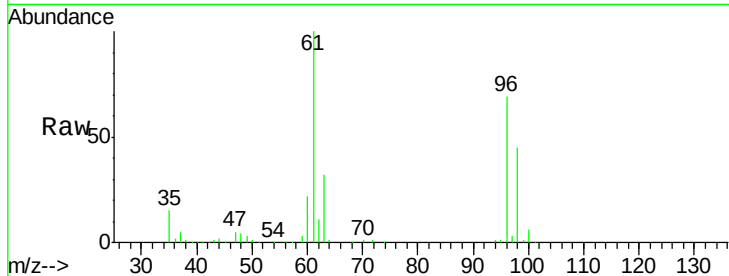
cis-1,2-Dichloroethene
Concen: 54.657 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.05 min
Lab File: VF061014.D
Acq: 14 Dec 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	144.0	0.0	290.6
98	65.3	0.0	137.8

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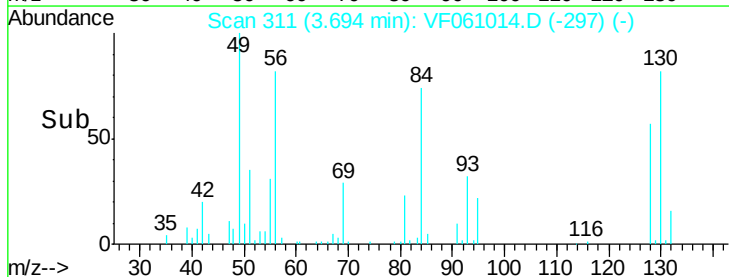
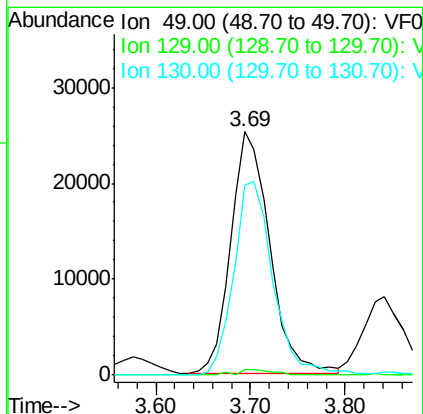
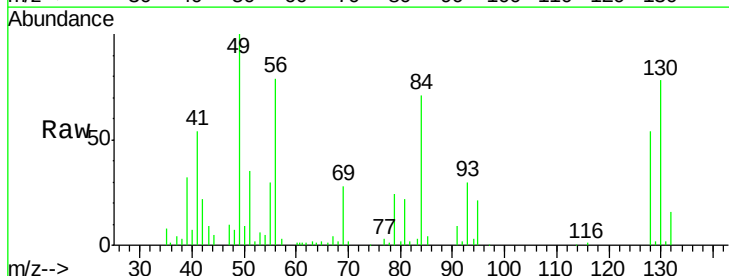
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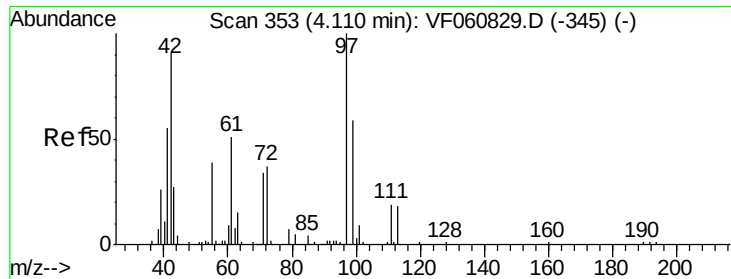


#28

Bromochloromethane
Concen: 48.738 ug/l
RT: 3.69 min Scan# 311
Delta R.T. -0.06 min
Lab File: VF061014.D
Acq: 14 Dec 2018 12:15

Tgt Ion	Ratio	Resp Lower	Upper
49	100		
129	2.3	0.0	4.4
130	78.2	64.2	96.4





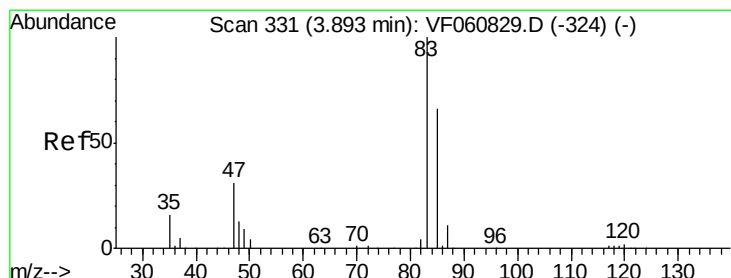
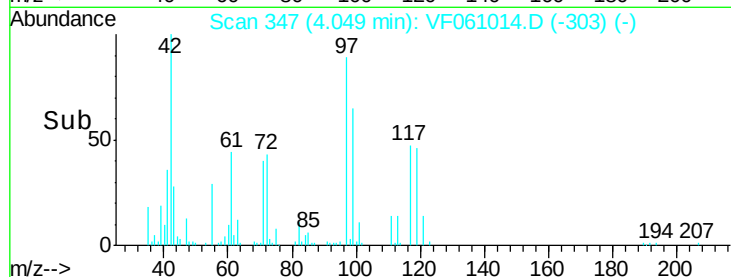
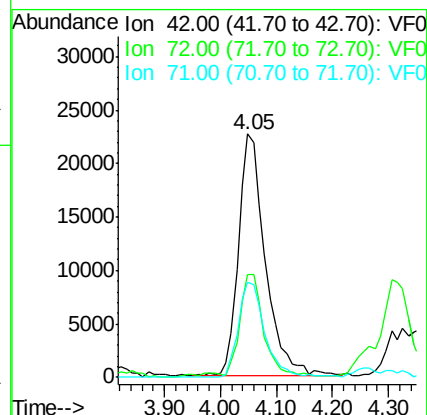
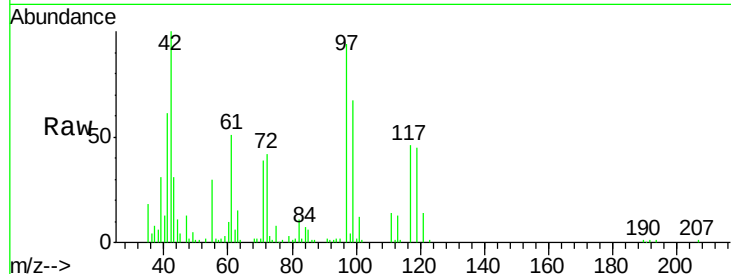
#29
Tetrahydrofuran
Concen: 241.253 ug/l
RT: 4.05 min Scan# 347
Delta R.T. -0.06 min
Lab File: VF061014.D
Acq: 14 Dec 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	38.8	31.9	47.9
71	39.6	28.7	43.1

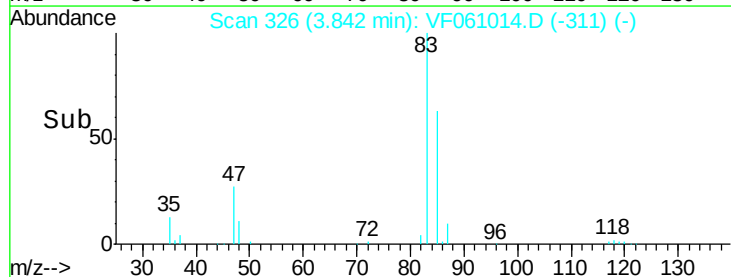
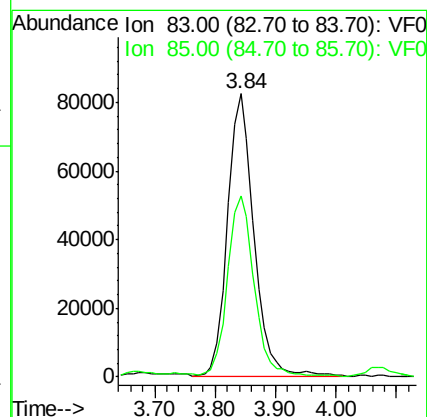
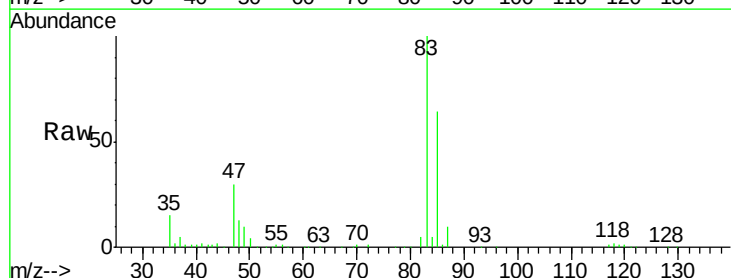
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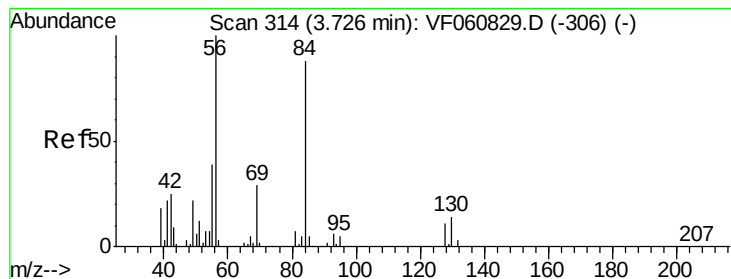
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#30
Chloroform
Concen: 52.034 ug/l
RT: 3.84 min Scan# 326
Delta R.T. -0.05 min
Lab File: VF061014.D
Acq: 14 Dec 2018 12:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	53.4	80.2





#31

Cyclohexane

Concen: 48.376 ug/l

RT: 3.66 min Scan# 308

Delta R.T. -0.06 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

Instrument :

MSVOA_F

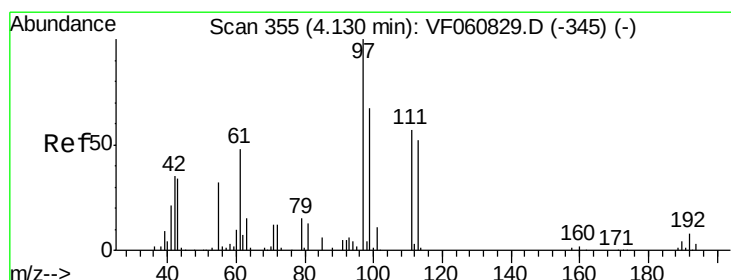
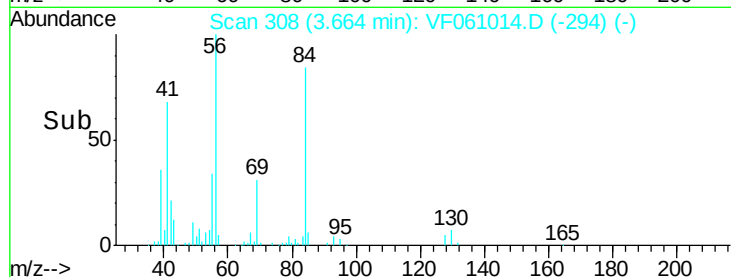
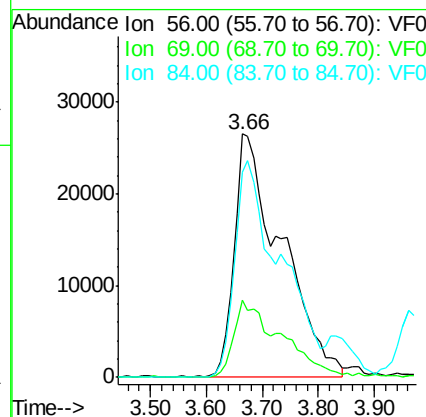
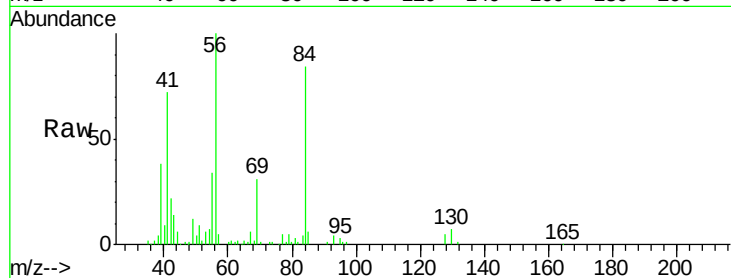
ClientSampleId :

VSTDCCC050

Tgt Ion:	56	Resp:	154689
Ion	Ratio	Lower	Upper
56	100		
69	31.5	23.0	34.4
84	84.4	70.4	105.6

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#32

1,1,1-Trichloroethane

Concen: 53.393 ug/l

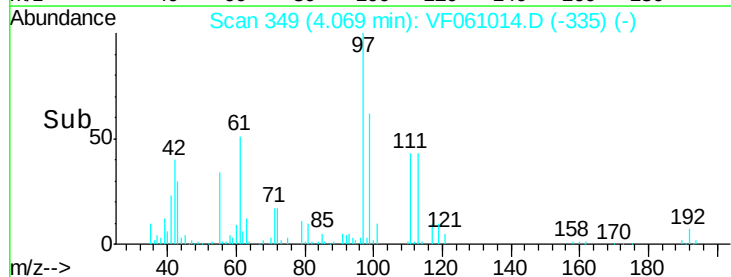
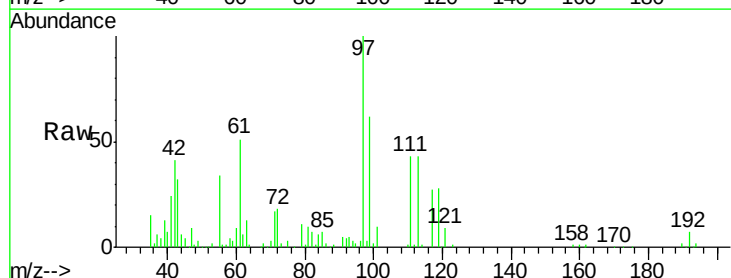
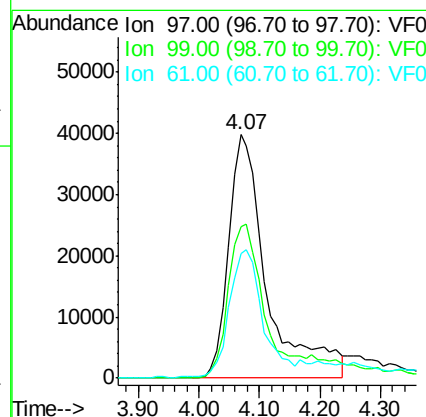
RT: 4.07 min Scan# 349

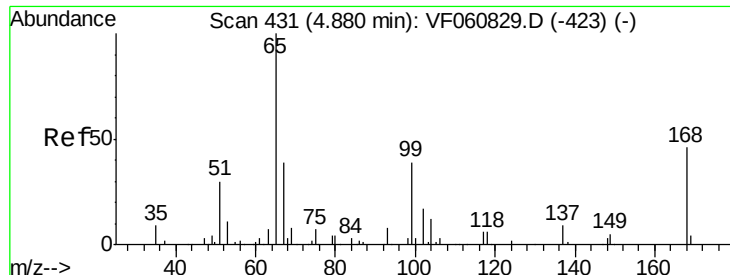
Delta R.T. -0.06 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

Tgt Ion:	97	Resp:	175594
Ion	Ratio	Lower	Upper
97	100		
99	62.4	53.5	80.3
61	51.3	38.6	58.0





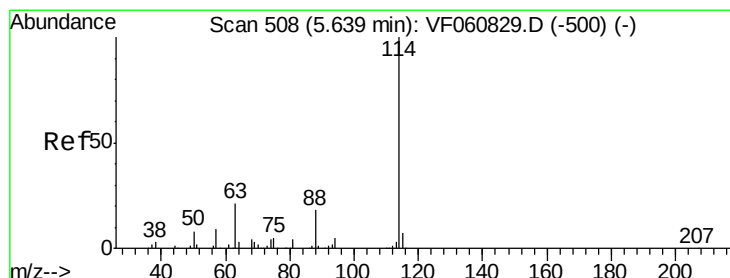
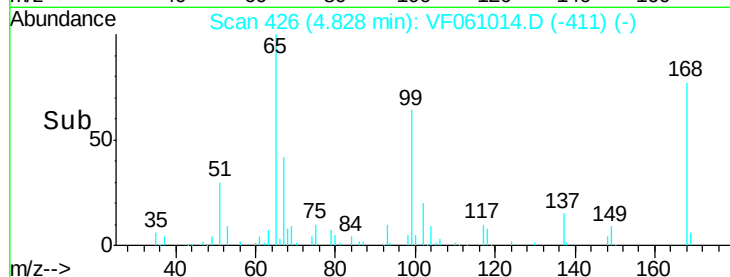
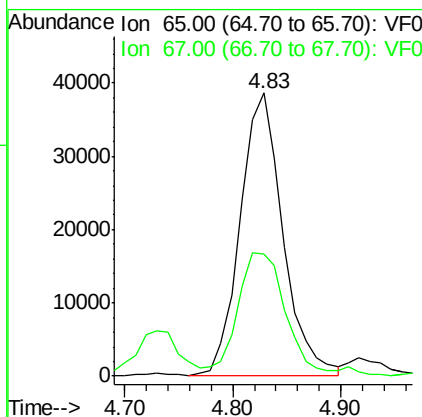
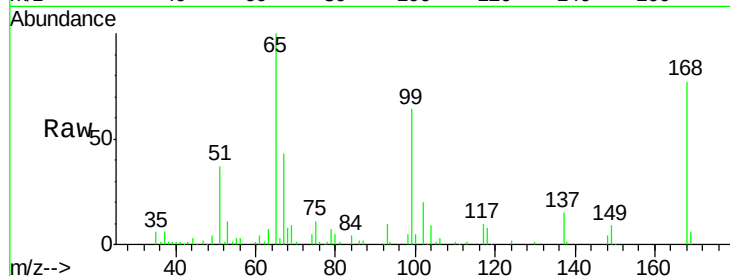
#33
 1,2-Dichloroethane-d4
 Concen: 47.110 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.05 min
 Lab File: VF061014.D
 Acq: 14 Dec 2018 12:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp Lower	Upper
65	100		
67	43.1	0.0	96.4

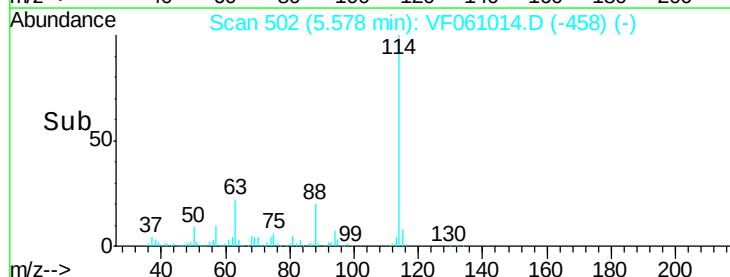
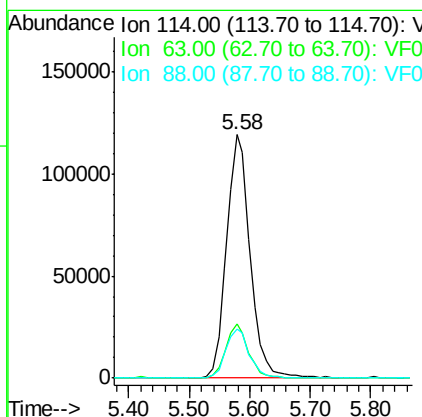
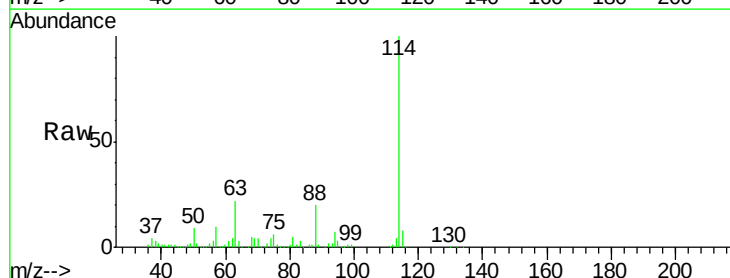
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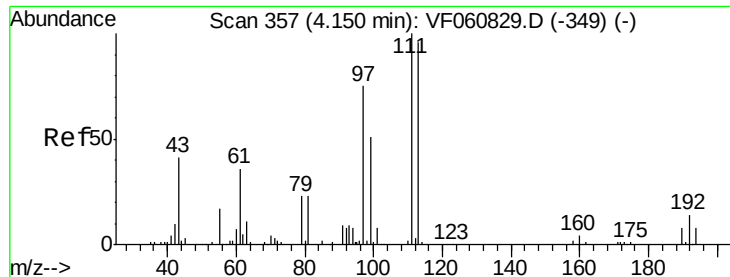
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.06 min
 Lab File: VF061014.D
 Acq: 14 Dec 2018 12:15

Tgt Ion	Ratio	Resp Lower	Upper
114	100		
63	22.1	0.0	41.6
88	19.9	0.0	36.6





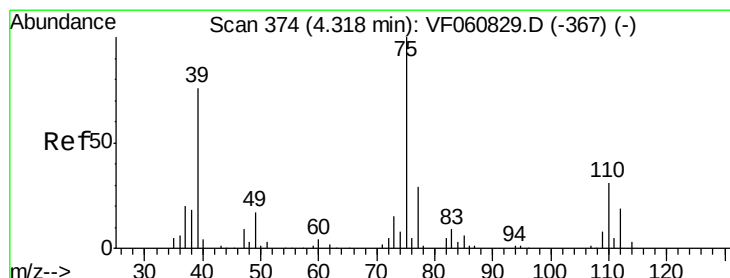
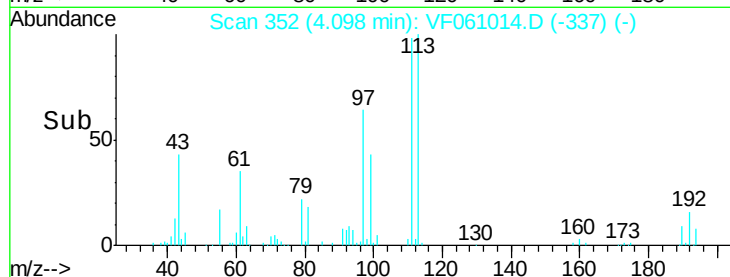
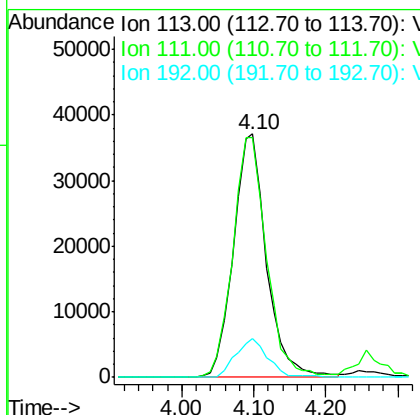
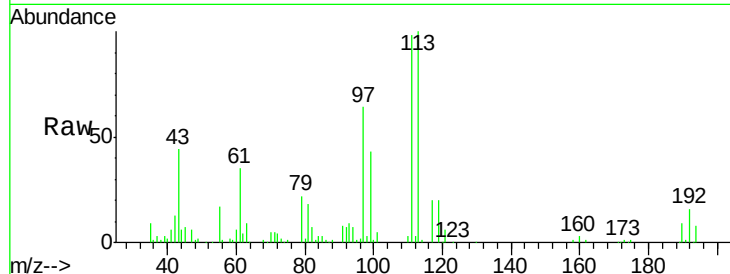
#35
 Dibromofluoromethane
 Concen: 46.132 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.05 min
 Lab File: VF061014.D
 Acq: 14 Dec 2018 12:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	118089		
111	98.3	83.0	124.6	
192	16.1	12.3	18.5	

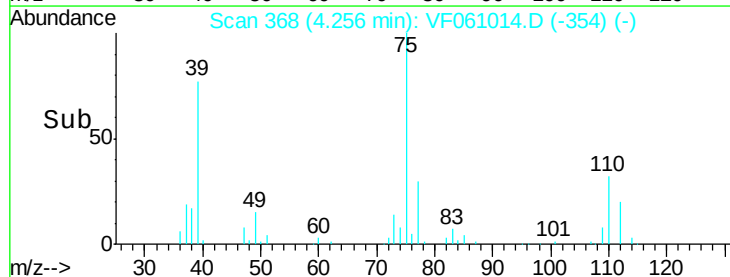
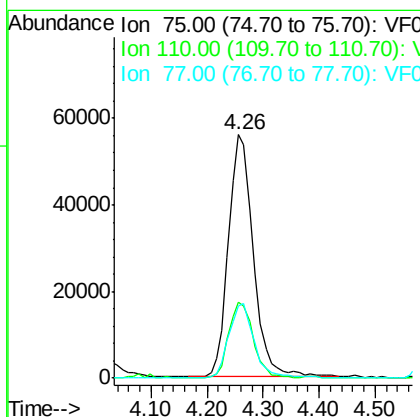
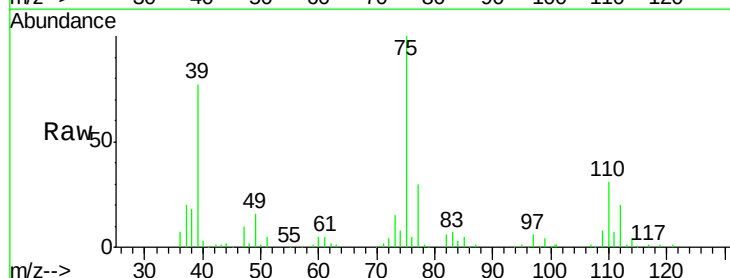
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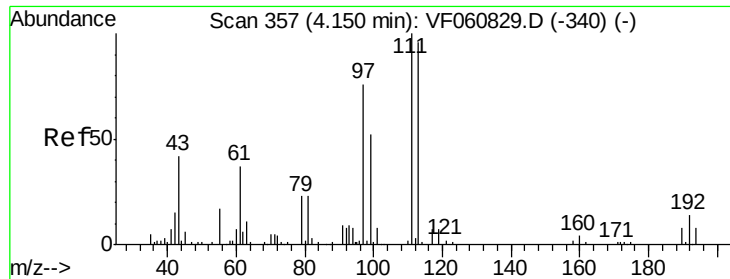
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#36
 1,1-Dichloropropene
 Concen: 48.344 ug/l
 RT: 4.26 min Scan# 368
 Delta R.T. -0.06 min
 Lab File: VF061014.D
 Acq: 14 Dec 2018 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	173020		
110	31.4	15.6	46.8	
77	29.5	23.4	35.0	





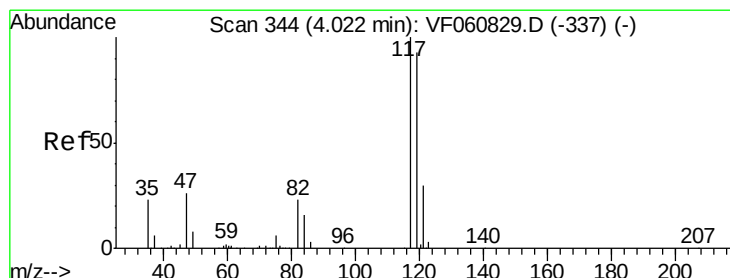
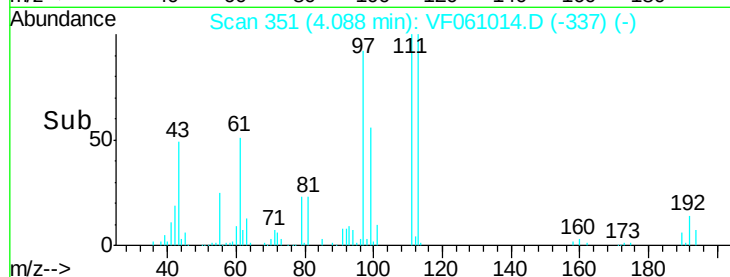
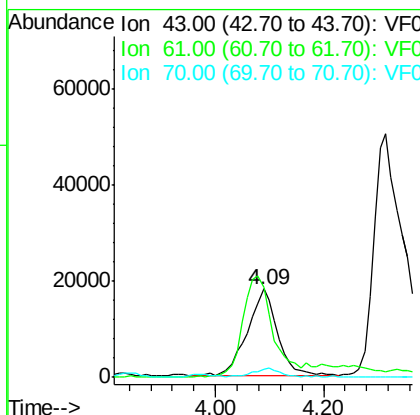
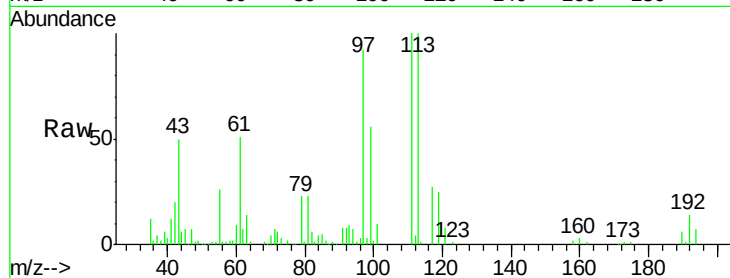
#37
Ethyl Acetate
Concen: 48.524 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.06 min
Lab File: VF061014.D
Acq: 14 Dec 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	102.3	68.6	103.0
70	8.8	9.0	13.4#

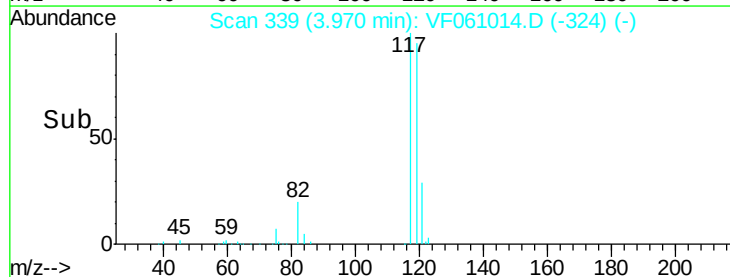
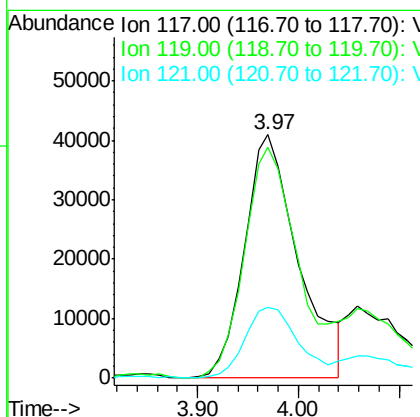
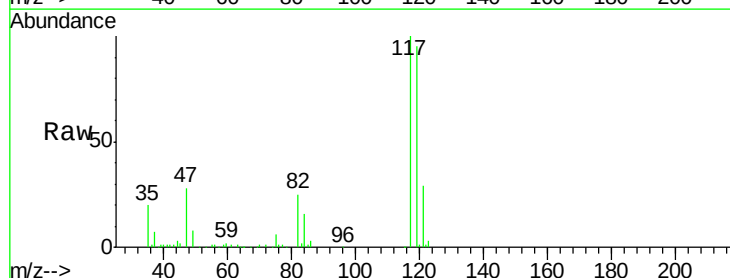
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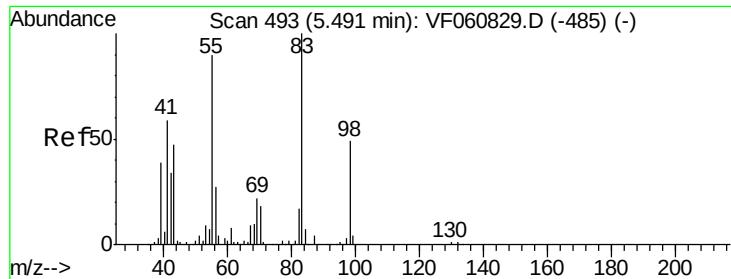
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#38
Carbon Tetrachloride
Concen: 48.288 ug/l
RT: 3.97 min Scan# 339
Delta R.T. -0.05 min
Lab File: VF061014.D
Acq: 14 Dec 2018 12:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	74.4	111.6
121	29.2	23.5	35.3





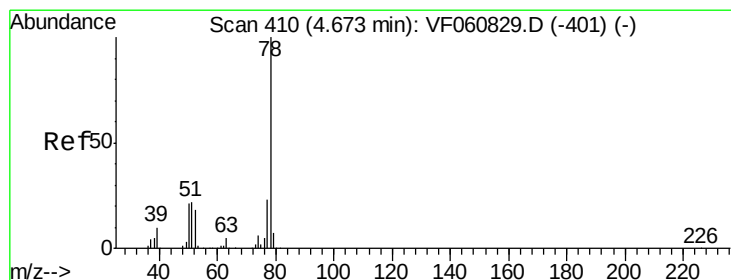
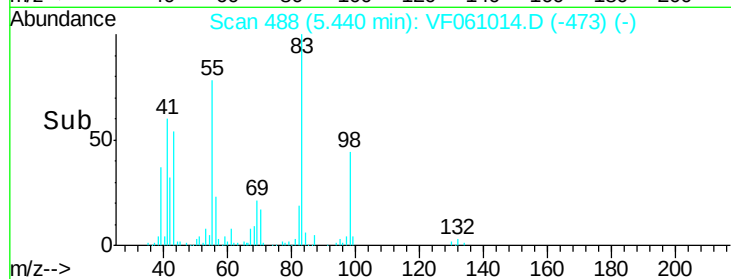
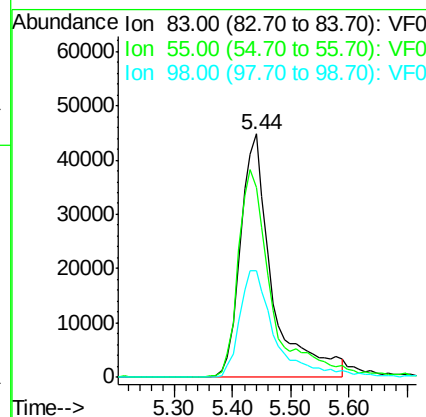
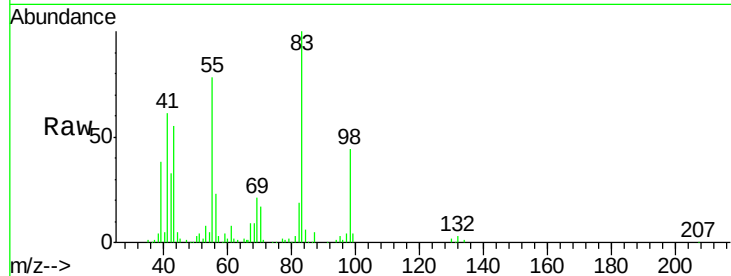
#39
Methylcyclohexane
Concen: 45.338 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.05 min
Lab File: VF061014.D
Acq: 14 Dec 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.1	72.1	108.1
98	43.9	39.1	58.7

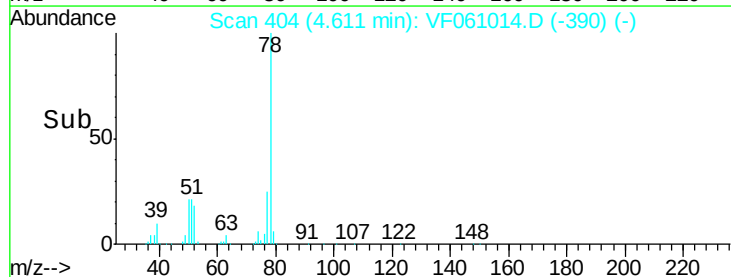
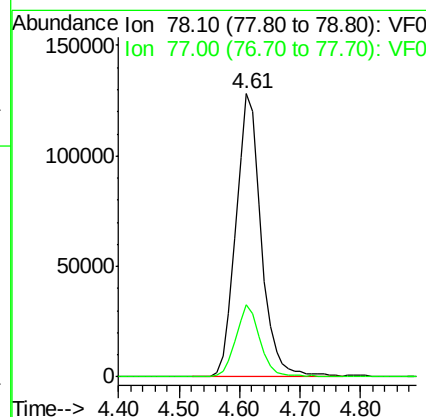
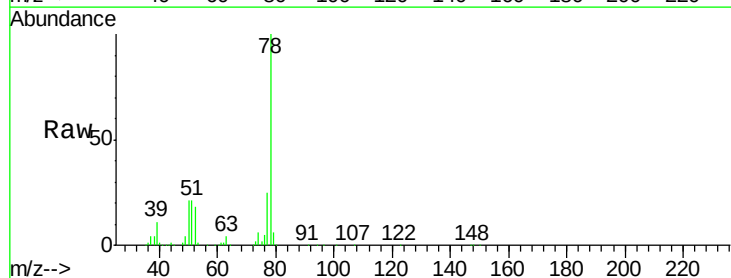
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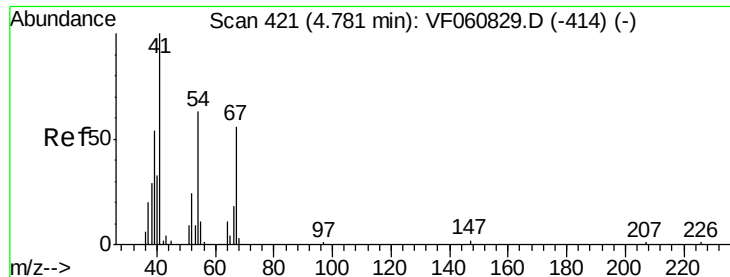
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#40
Benzene
Concen: 46.904 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.06 min
Lab File: VF061014.D
Acq: 14 Dec 2018 12:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.4	18.7	28.1





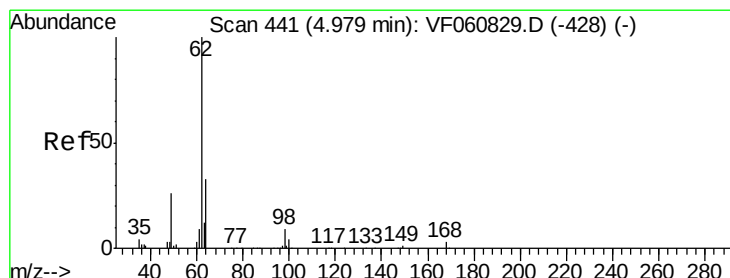
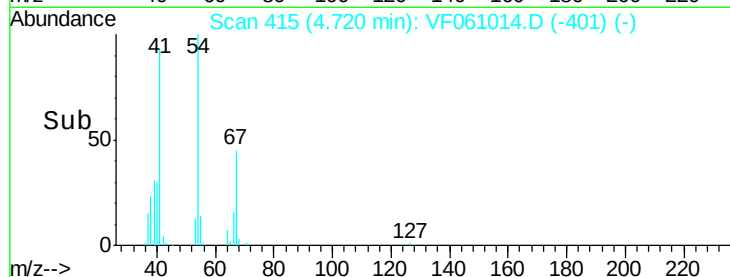
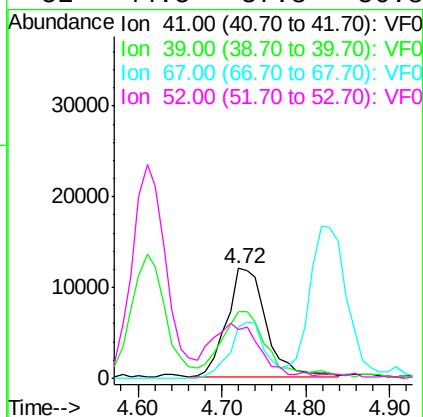
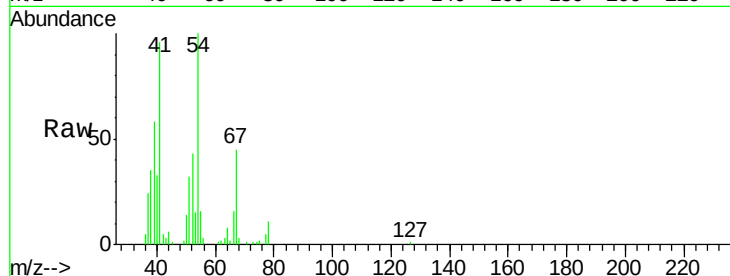
#41
Methacrylonitrile
Concen: 51.508 ug/l
RT: 4.72 min Scan# 415
Delta R.T. -0.06 min
Lab File: VF061014.D
Acq: 14 Dec 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	60.5	53.0	79.6	
67	46.6	43.8	65.6	
52	44.5	37.8	56.8	

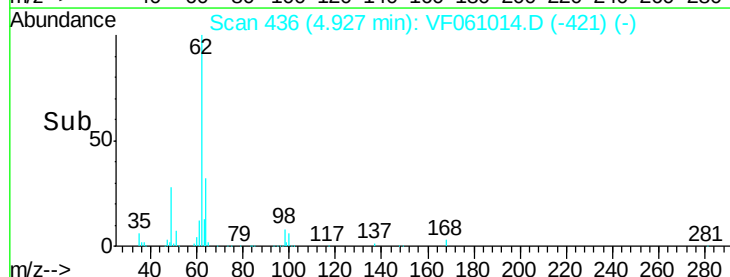
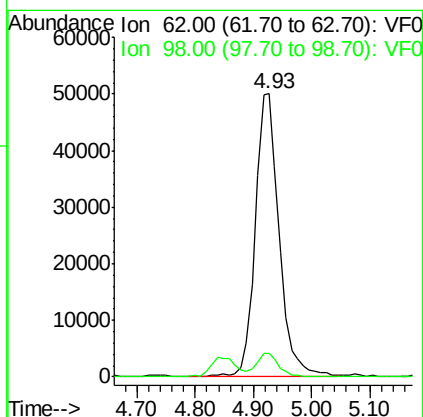
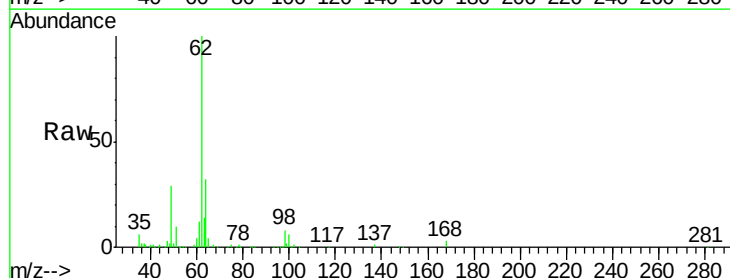
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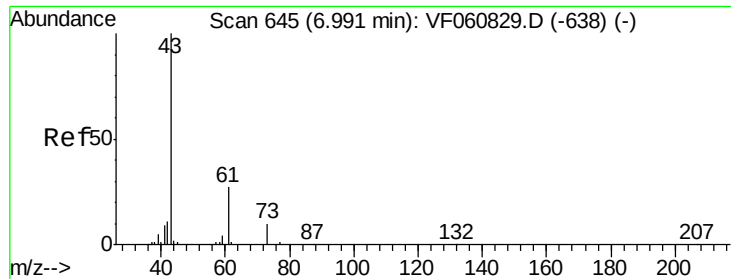
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#42
1,2-Dichloroethane
Concen: 50.304 ug/l
RT: 4.93 min Scan# 436
Delta R.T. -0.05 min
Lab File: VF061014.D
Acq: 14 Dec 2018 12:15

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.4	0.0	17.2	





#43

Isopropyl Acetate

Concen: 50.791 ug/l

RT: 6.94 min Scan# 640

Delta R.T. -0.05 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

Instrument :

MSVOA_F

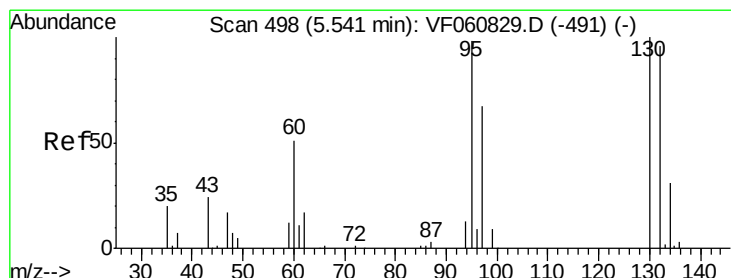
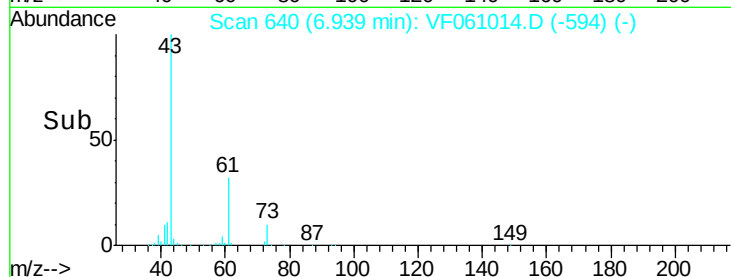
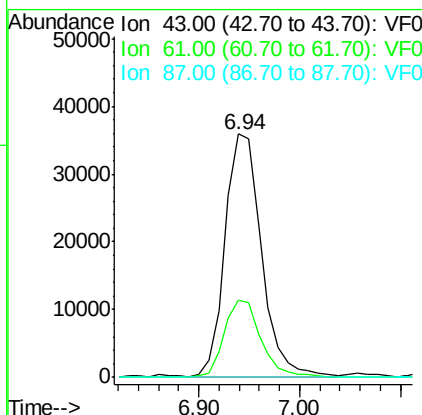
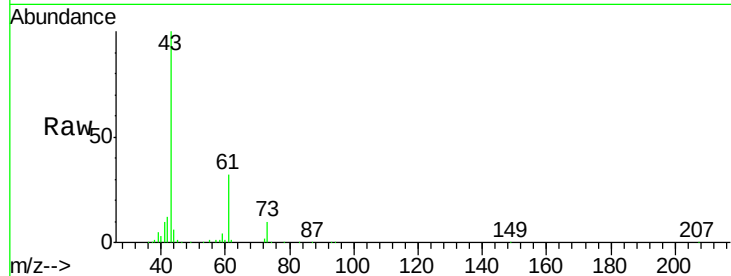
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	91065
Ion Ratio	Lower	Upper	
43	100		
61	31.8	21.4	32.0
87	0.4	0.2	0.4#

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#44

Trichloroethene

Concen: 47.268 ug/l

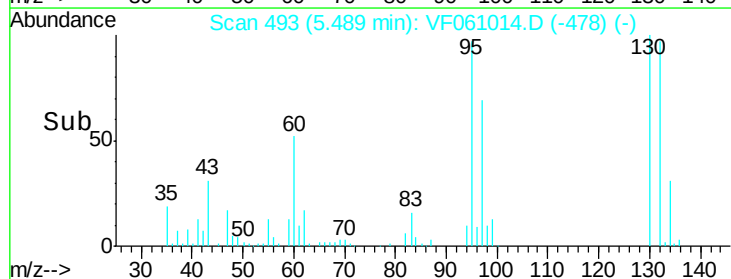
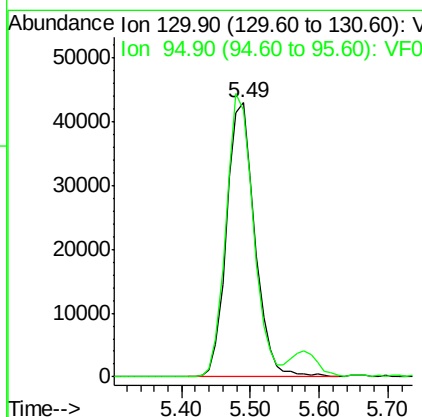
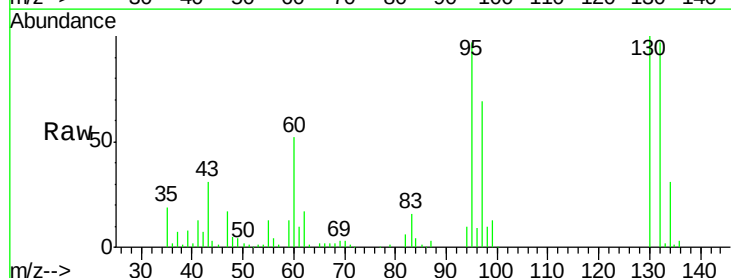
RT: 5.49 min Scan# 493

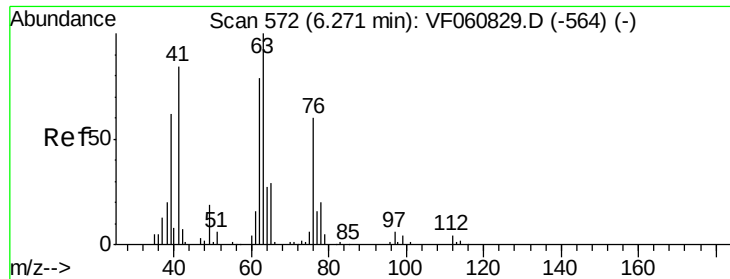
Delta R.T. -0.05 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

Tgt Ion:	130	Resp:	122197
Ion Ratio	Lower	Upper	
130	100		
95	97.4	0.0	195.6





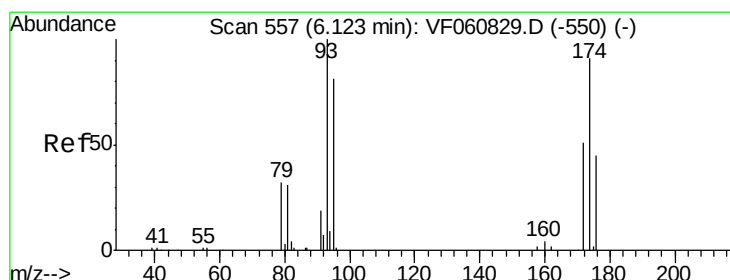
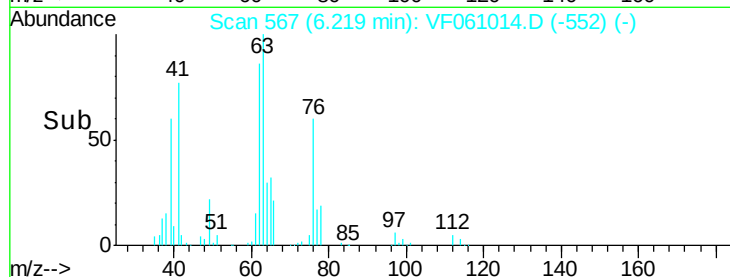
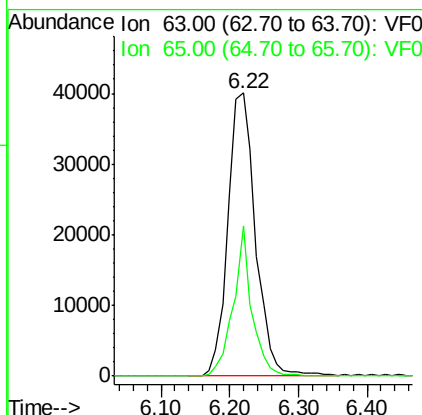
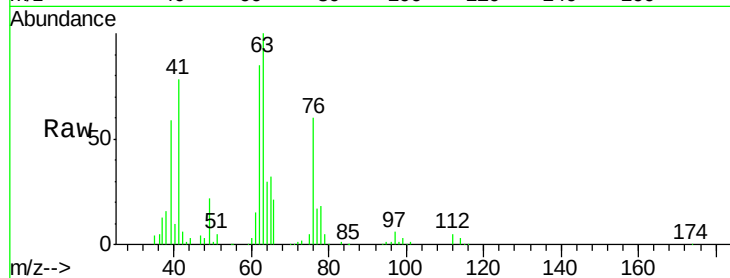
#45
 1,2-Dichloropropane
 Concen: 54.291 ug/l
 RT: 6.22 min Scan# 567
 Delta R.T. -0.05 min
 Lab File: VF061014.D
 Acq: 14 Dec 2018 12:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 111485
 Ion Ratio Lower Upper
 63 100
 65 52.9 23.2 34.8#

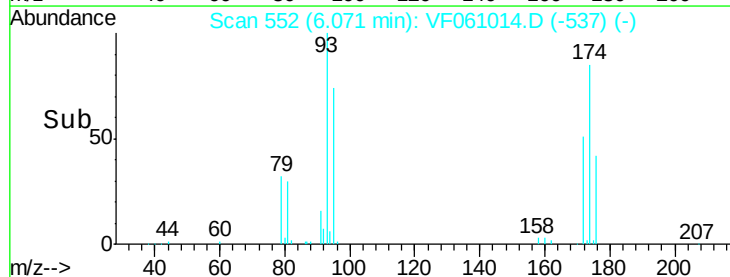
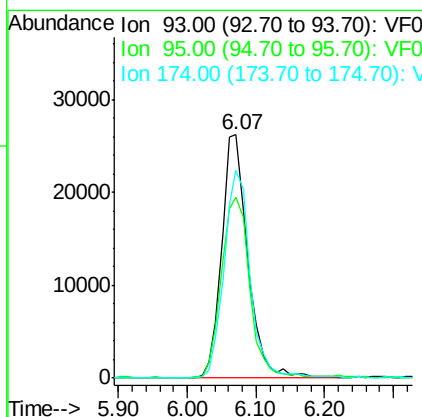
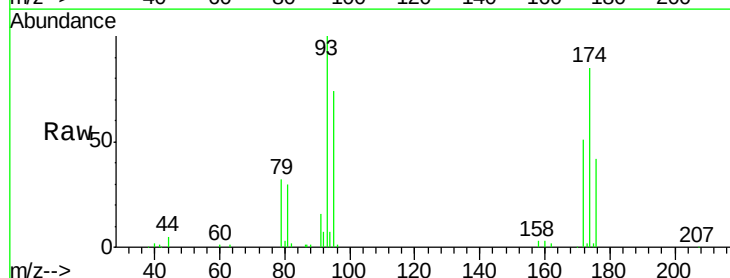
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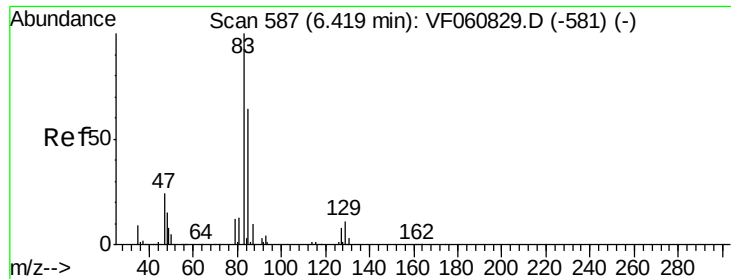
apatel
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#46
 Dibromomethane
 Concen: 49.664 ug/l
 RT: 6.07 min Scan# 552
 Delta R.T. -0.05 min
 Lab File: VF061014.D
 Acq: 14 Dec 2018 12:15

Tgt Ion: 93 Resp: 69182
 Ion Ratio Lower Upper
 93 100
 95 74.0 64.7 97.1
 174 85.1 73.0 109.6





#47

Bromodichloromethane

Concen: 50.639 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.05 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

Instrument :

MSVOA_F

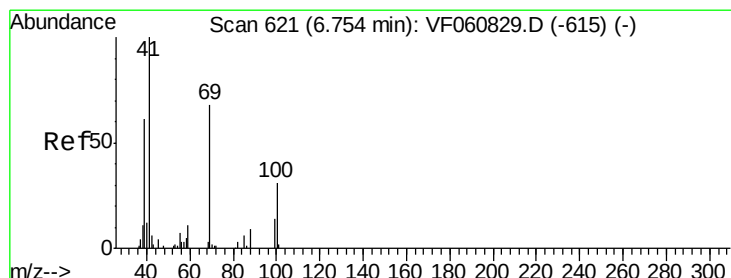
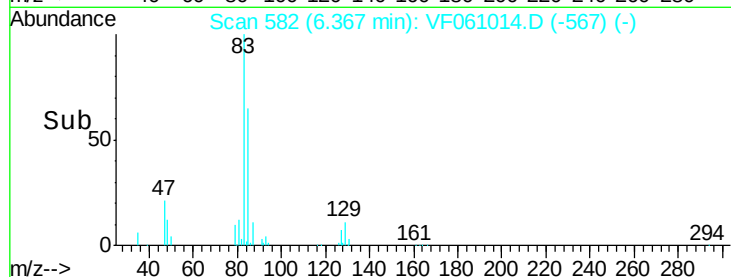
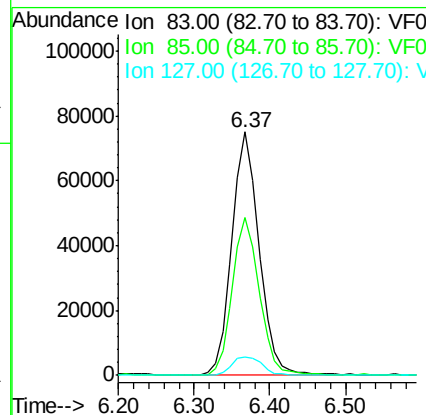
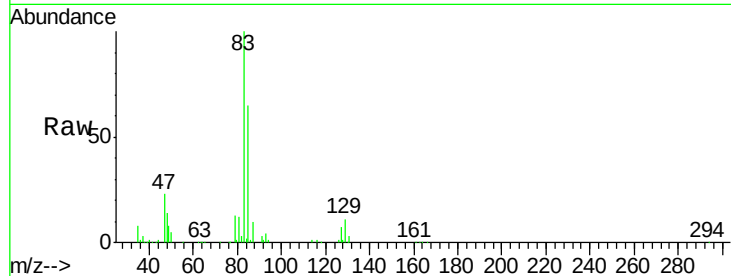
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	187356
Ion Ratio	Lower	Upper	
83	100		
85	64.8	51.1	76.7
127	7.5	6.8	10.2

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#48

Methyl methacrylate

Concen: 49.622 ug/l

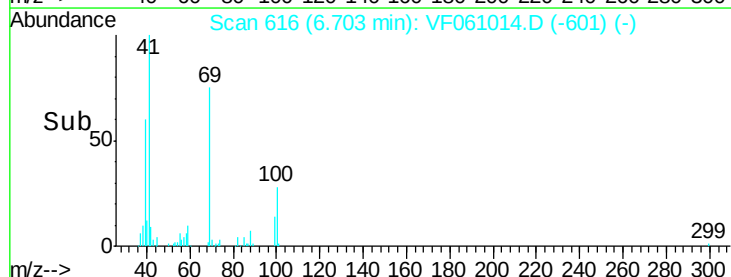
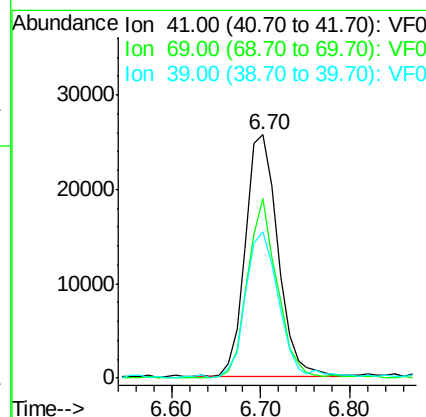
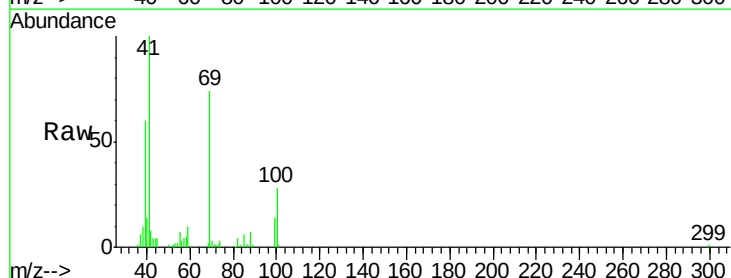
RT: 6.70 min Scan# 616

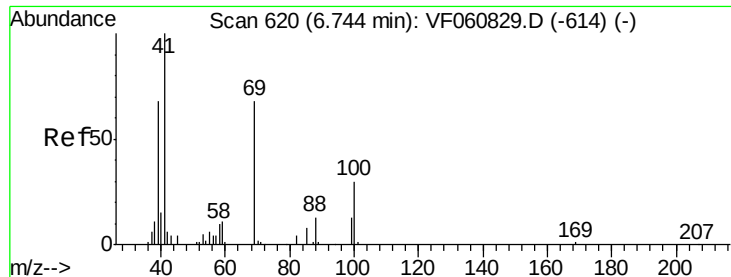
Delta R.T. -0.05 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

Tgt Ion:	41	Resp:	65327
Ion Ratio	Lower	Upper	
41	100		
69	74.0	53.9	80.9
39	60.2	49.0	73.6





#49

1,4-Dioxane

Concen: 943.236 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.05 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

Instrument :

MSVOA_F

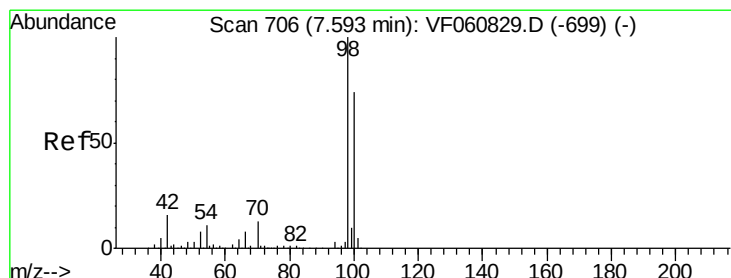
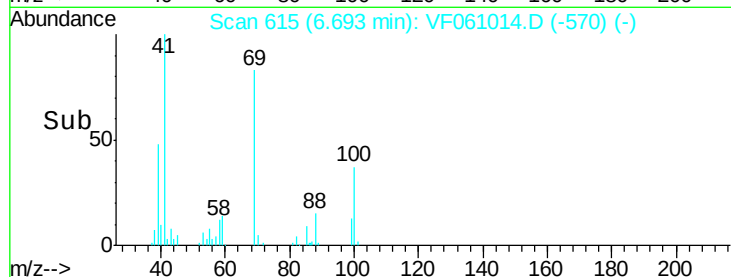
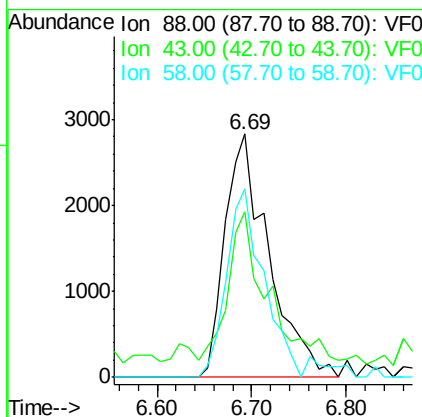
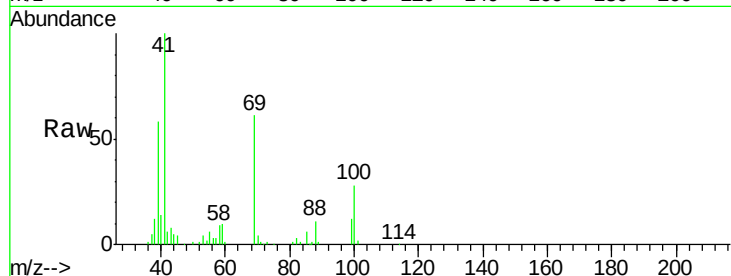
ClientSampleId :

VSTDCCC050

Tgt Ion:	88	Resp:	9088
Ion	Ratio	Lower	Upper
88	100		
43	68.2	42.0	63.0#
58	77.4	61.8	92.8

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#50

Toluene-d8

Concen: 44.938 ug/l

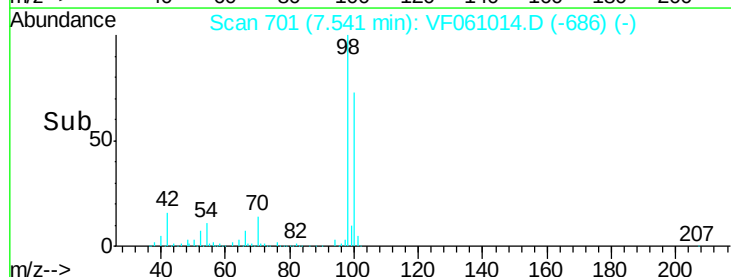
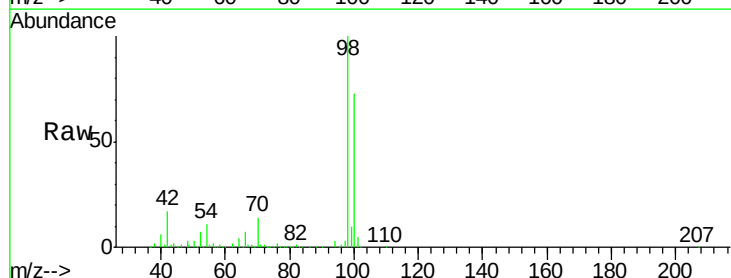
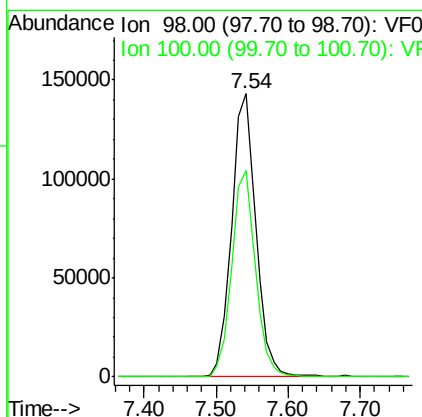
RT: 7.54 min Scan# 701

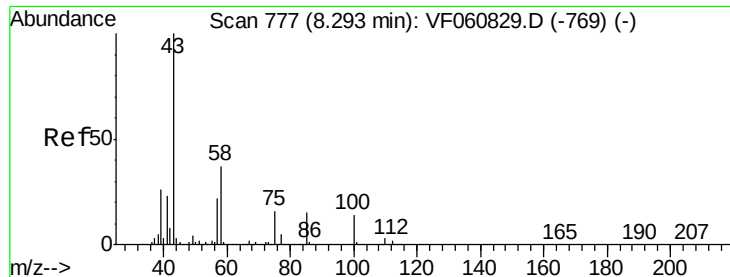
Delta R.T. -0.05 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

Tgt Ion:	98	Resp:	338855
Ion	Ratio	Lower	Upper
98	100		
100	73.1	59.3	88.9





#51

4-Methyl-2-Pentanone

Concen: 243.805 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.05 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

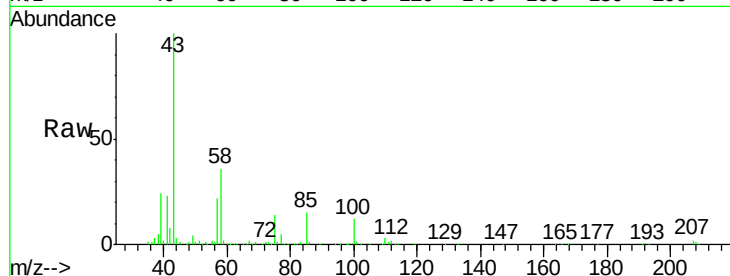
Tgt Ion: 43 Resp: 326987
Ion Ratio Lower Upper

43 100

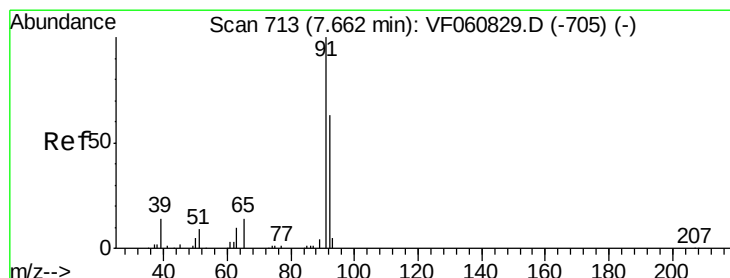
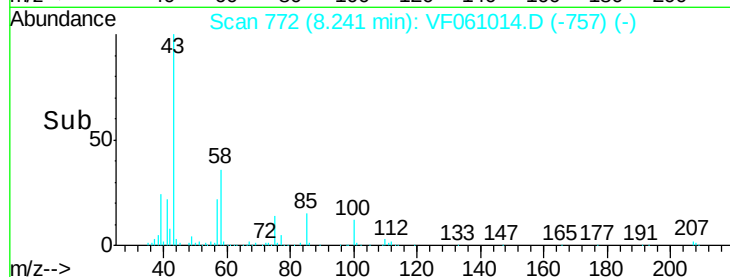
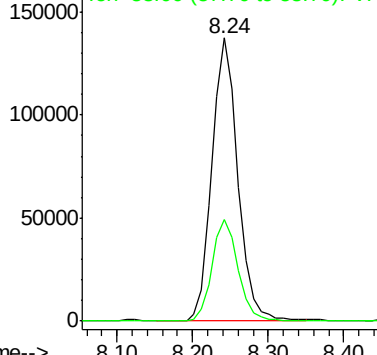
58 36.0 29.7 44.5

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Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 45.728 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.05 min

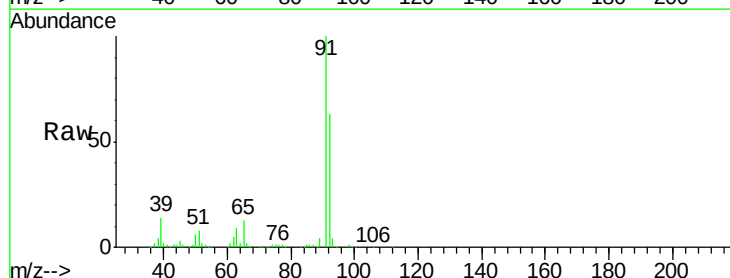
Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

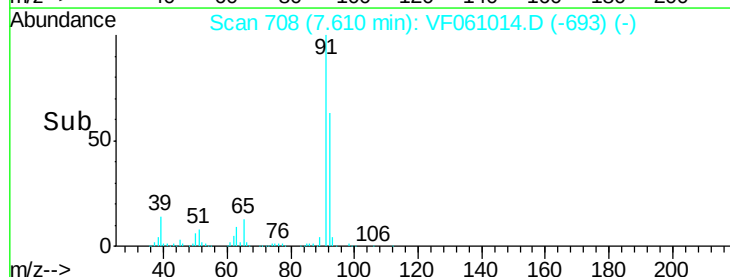
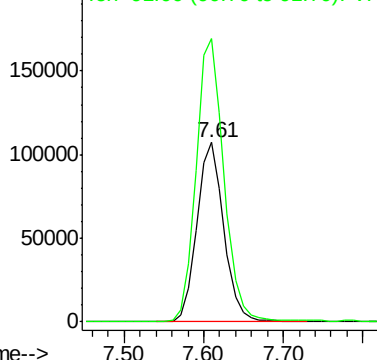
Tgt Ion: 92 Resp: 253961
Ion Ratio Lower Upper

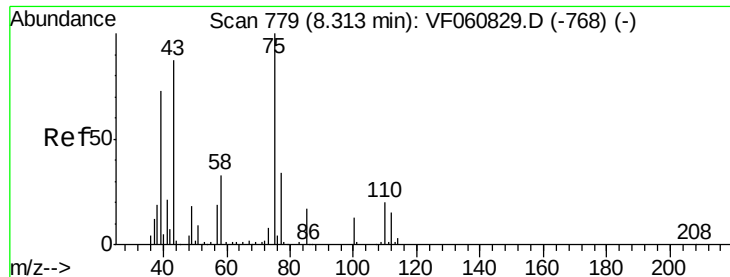
92 100

91 158.0 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0
Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 48.477 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.05 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 145890

Ion Ratio Lower Upper

75 100

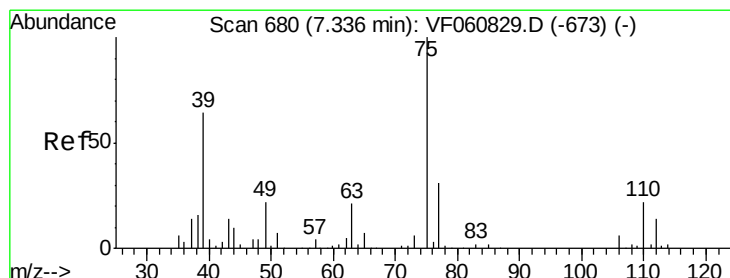
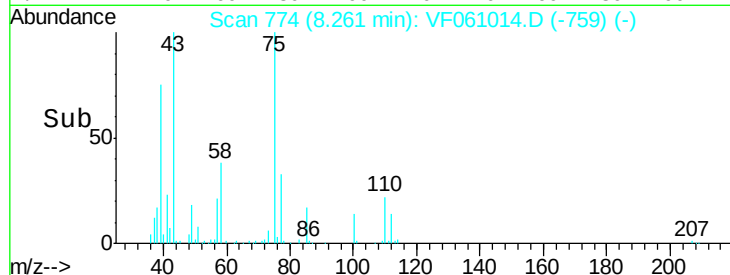
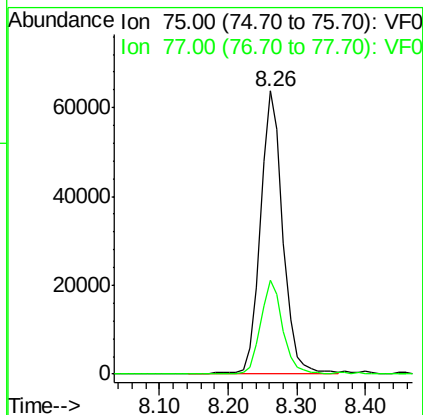
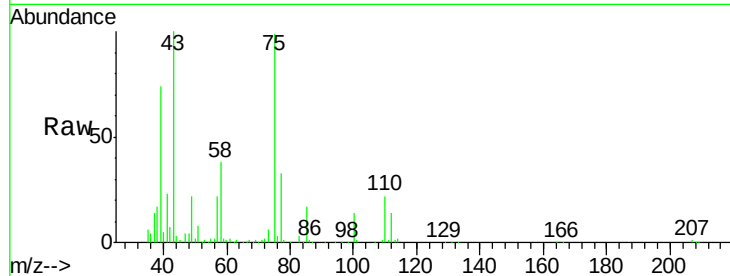
77 33.0 27.4 41.2

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#54

cis-1,3-Dichloropropene

Concen: 51.140 ug/l

RT: 7.28 min Scan# 675

Delta R.T. -0.05 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

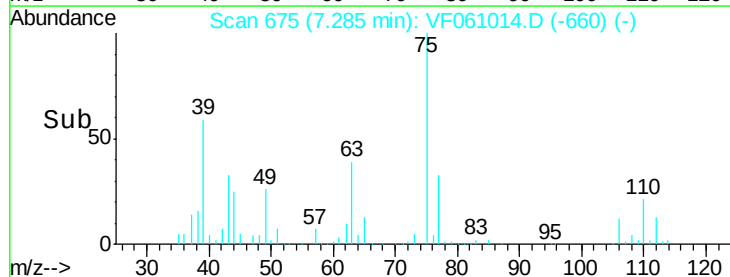
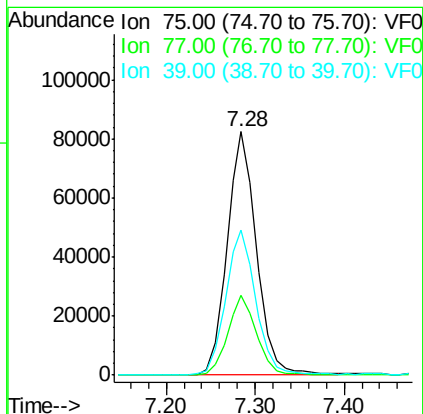
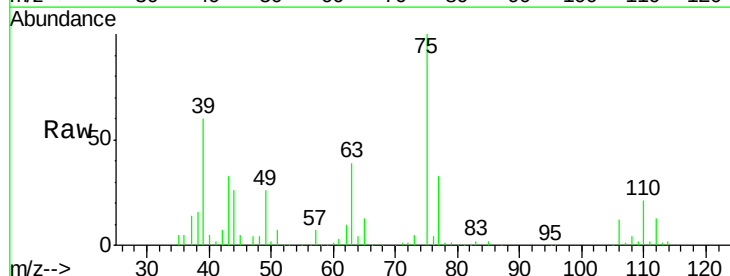
Tgt Ion: 75 Resp: 190530

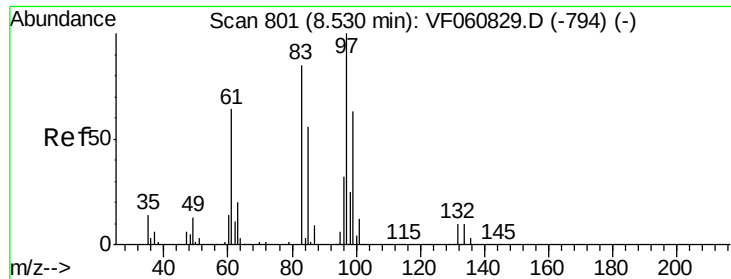
Ion Ratio Lower Upper

75 100

77 32.8 25.0 37.6

39 59.6 51.1 76.7





#55

1,1,2-Trichloroethane

Concen: 49.379 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.05 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

Instrument :

MSVOA_F

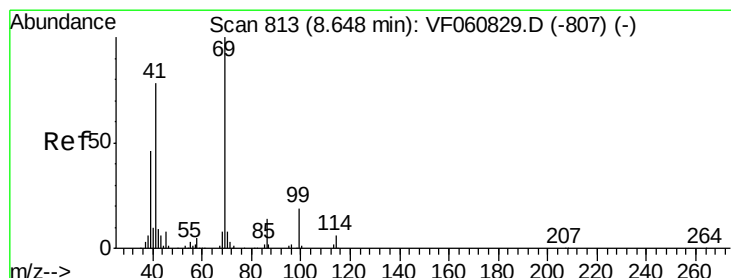
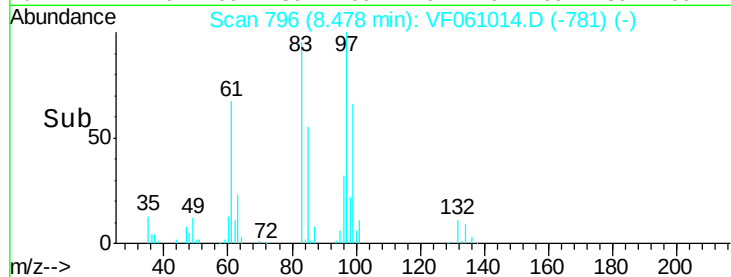
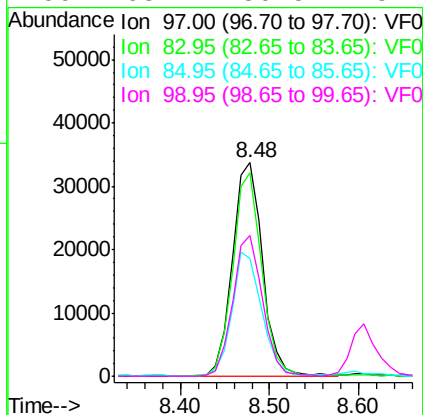
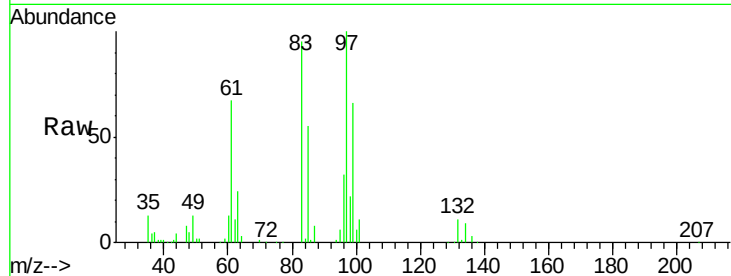
ClientSampleId :

VSTDCCC050

Tgt Ion:	97	Resp:	79909
Ion	Ratio	Lower	Upper
97	100		
83	95.4	67.8	101.6
85	55.3	45.0	67.6
99	65.7	50.5	75.7

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#56

Ethyl methacrylate

Concen: 49.494 ug/l

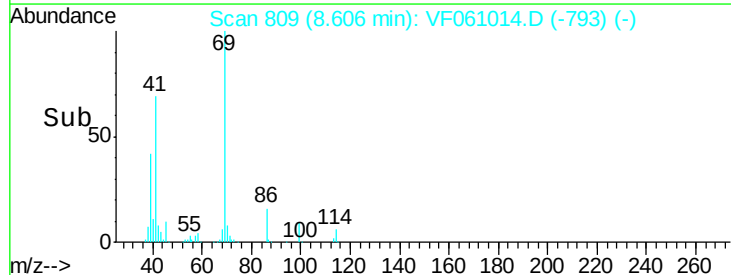
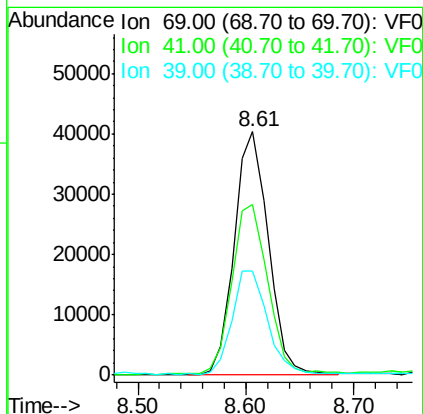
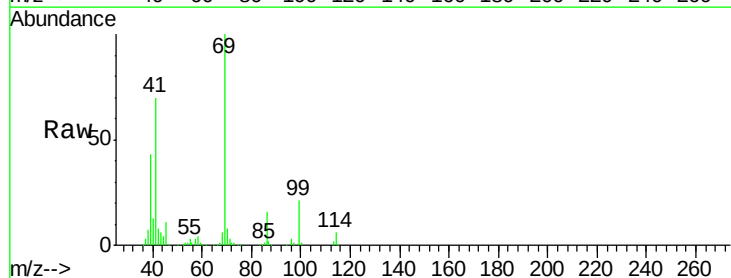
RT: 8.61 min Scan# 809

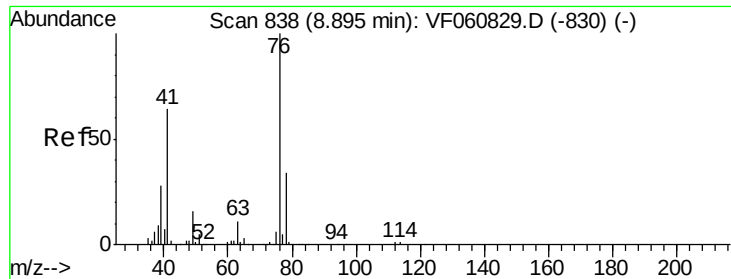
Delta R.T. -0.04 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

Tgt Ion:	69	Resp:	88977
Ion	Ratio	Lower	Upper
69	100		
41	70.1	62.6	94.0
39	42.9	37.8	56.6





#57

1,3-Dichloropropane

Concen: 49.288 ug/l

RT: 8.83 min Scan# 832

Delta R.T. -0.06 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 139549

Ion Ratio Lower Upper

76 100

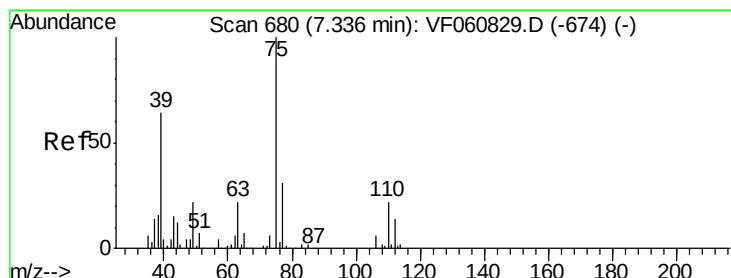
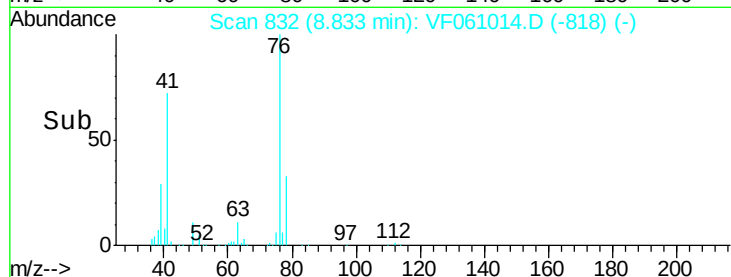
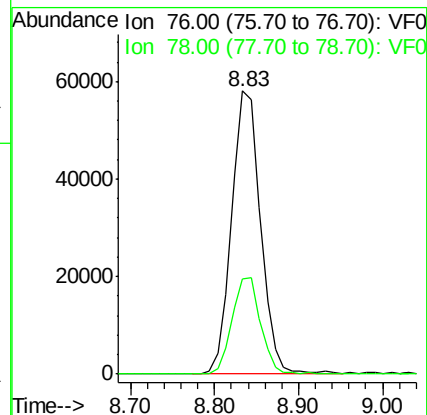
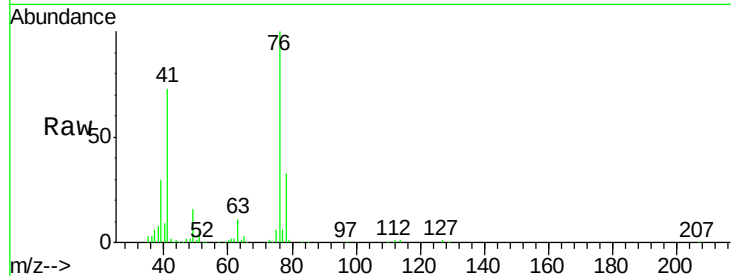
78 33.5 27.0 40.4

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#58

2-Chloroethyl Vinyl ether

Concen: 436.572 ug/l

RT: 7.27 min Scan# 674

Delta R.T. -0.06 min

Lab File: VF061014.D

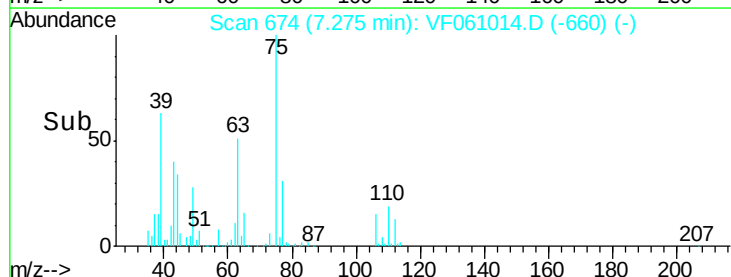
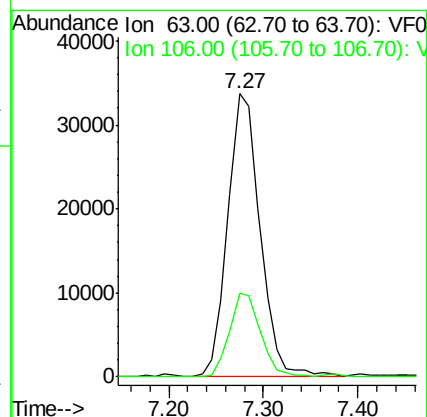
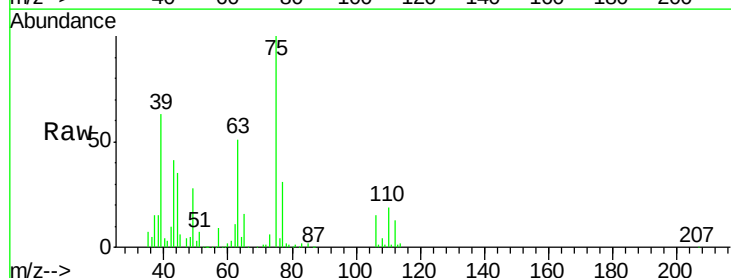
Acq: 14 Dec 2018 12:15

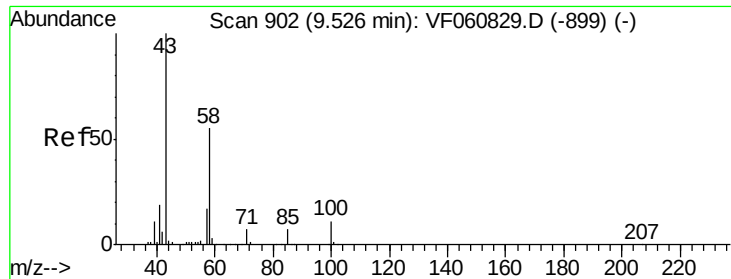
Tgt Ion: 63 Resp: 80277

Ion Ratio Lower Upper

63 100

106 29.7 23.0 34.6





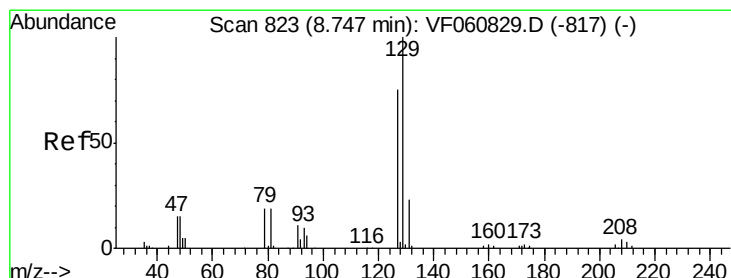
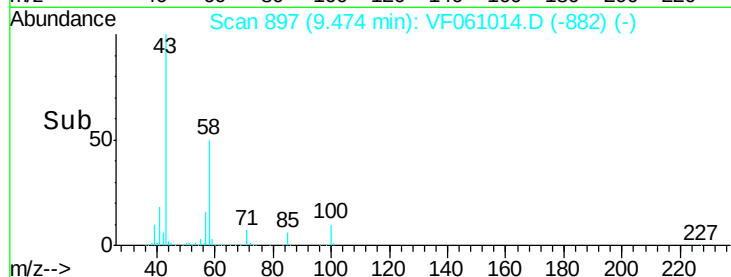
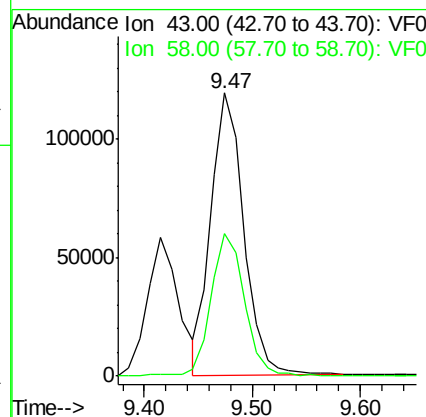
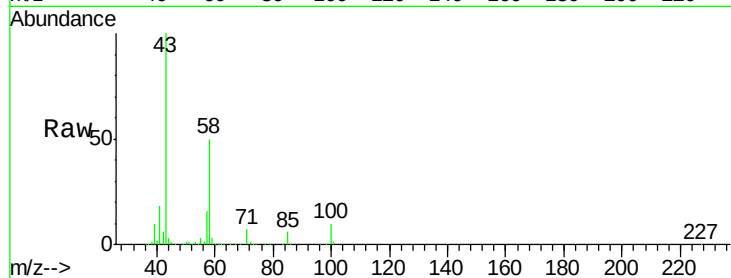
#59
2-Hexanone
Concen: 265.259 ug/l
RT: 9.47 min Scan# 897
Delta R.T. -0.05 min
Lab File: VF061014.D
Acq: 14 Dec 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 249588
Ion Ratio Lower Upper
43 100
58 50.4 25.6 76.6

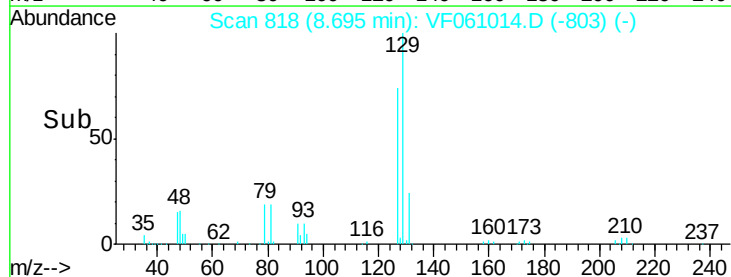
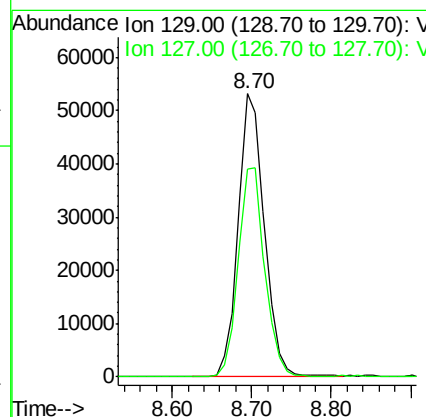
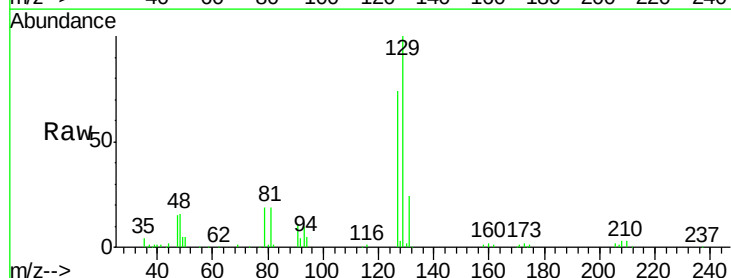
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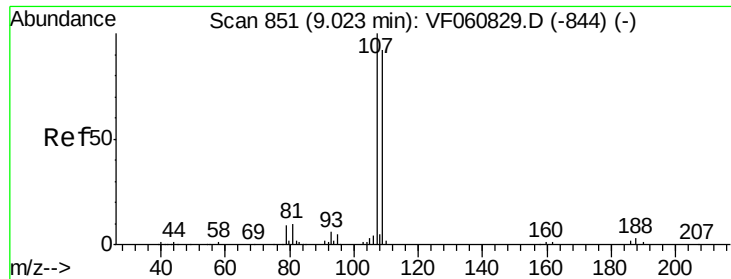
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#60
Dibromochloromethane
Concen: 50.568 ug/l
RT: 8.70 min Scan# 818
Delta R.T. -0.05 min
Lab File: VF061014.D
Acq: 14 Dec 2018 12:15

Tgt Ion: 129 Resp: 121930
Ion Ratio Lower Upper
129 100
127 73.5 37.3 111.9





#61

1,2-Dibromoethane

Concen: 49.699 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.05 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 107 Resp: 86884

Ion Ratio Lower Upper

107 100

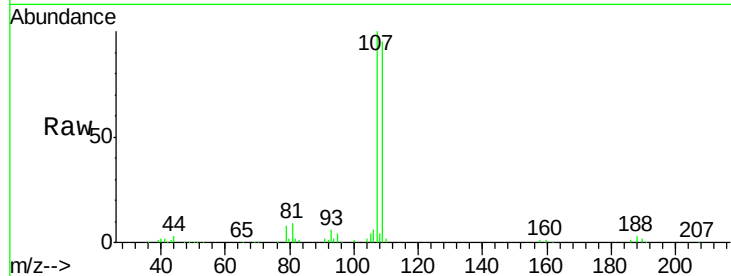
109 95.1 73.6 110.4

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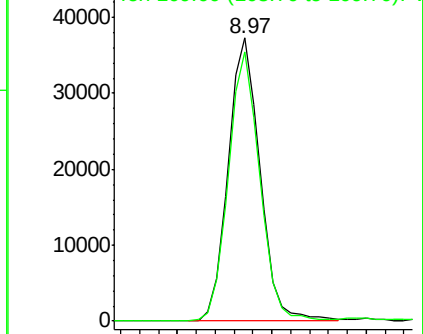
apatel

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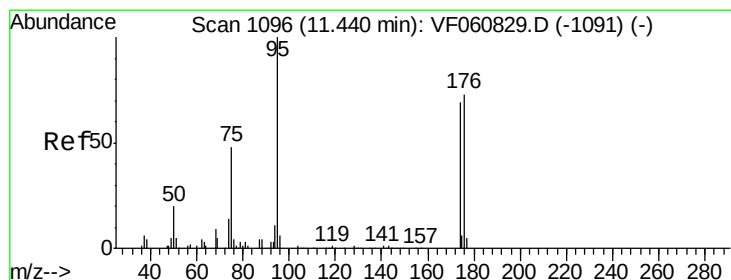
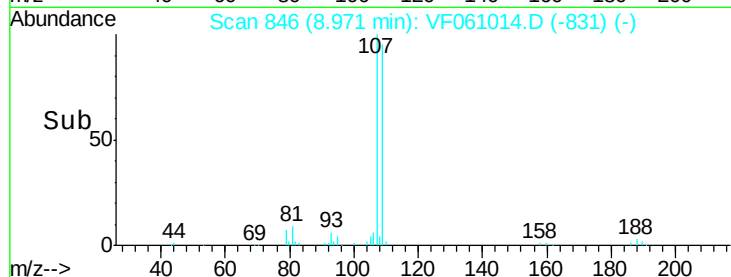


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



Time-->



#62

4-Bromofluorobenzene

Concen: 43.142 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.04 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

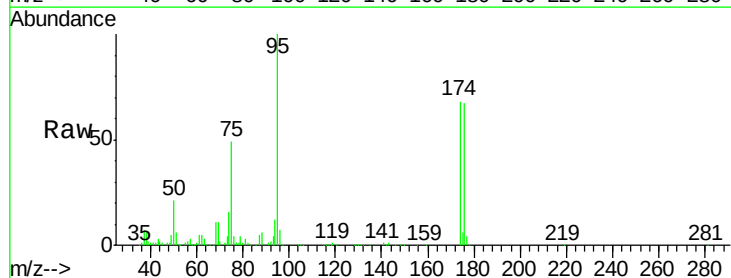
Tgt Ion: 95 Resp: 147851

Ion Ratio Lower Upper

95 100

174 67.5 0.0 138.2

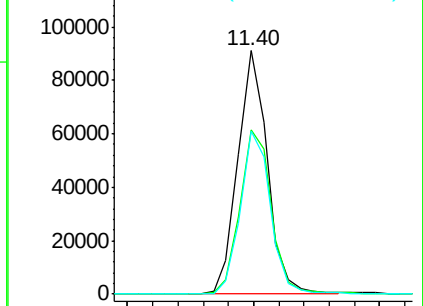
176 66.7 0.0 146.2



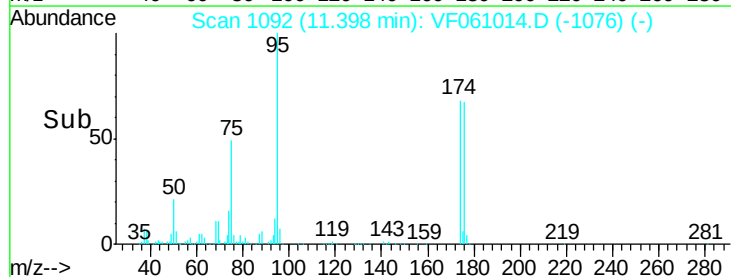
Abundance Ion 95.00 (94.70 to 95.70): VF0

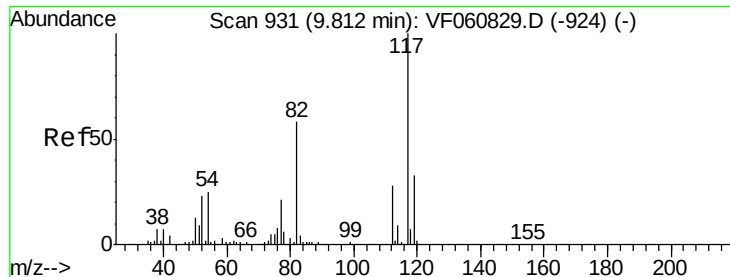
Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



Time-->





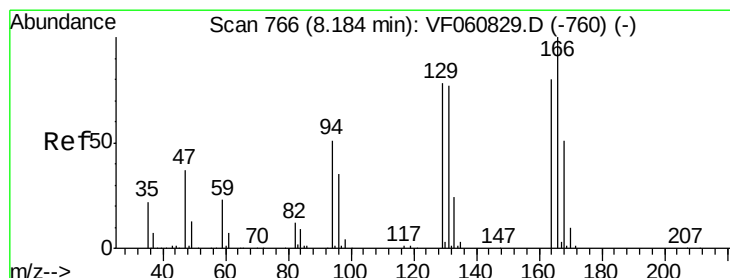
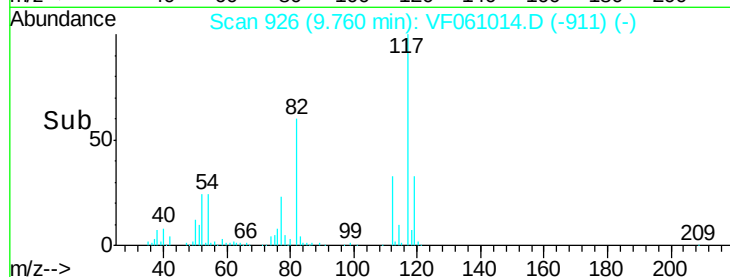
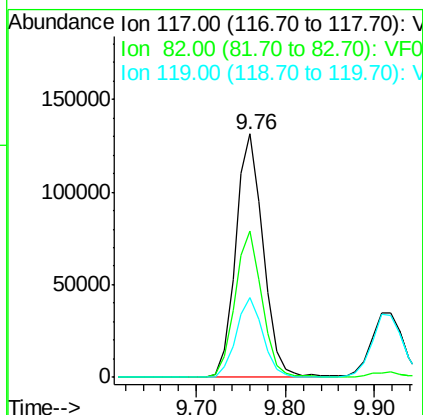
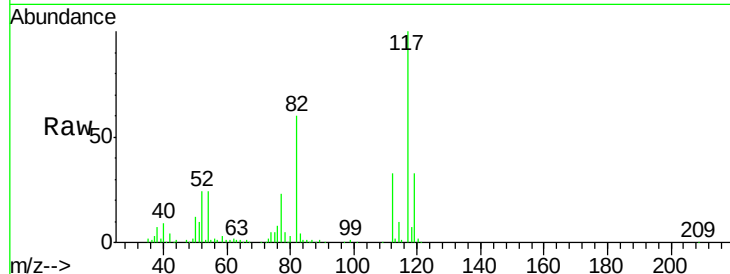
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.05 min
Lab File: VF061014.D
Acq: 14 Dec 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	282642		
82	59.9	46.6	69.8	
119	32.8	26.4	39.6	

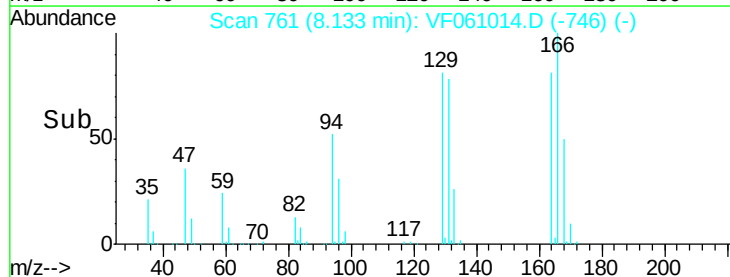
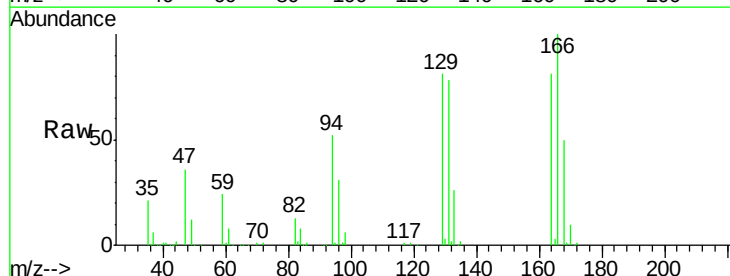
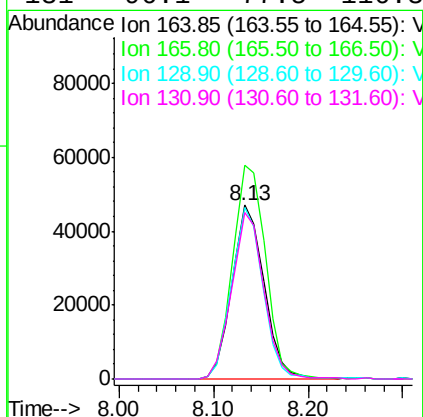
Manual Integrations
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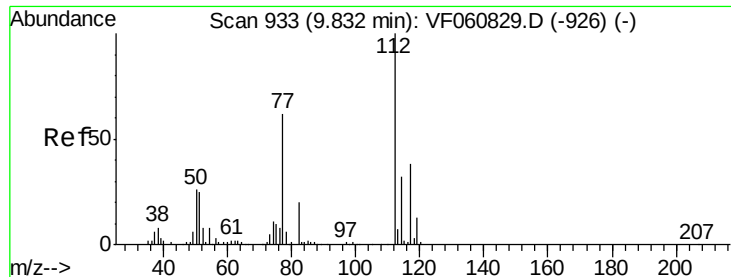
apatel
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#64
Tetrachloroethene
Concen: 51.339 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.05 min
Lab File: VF061014.D
Acq: 14 Dec 2018 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	110832		
166	123.1	100.3	150.5	
129	99.1	77.9	116.9	
131	96.1	77.5	116.3	





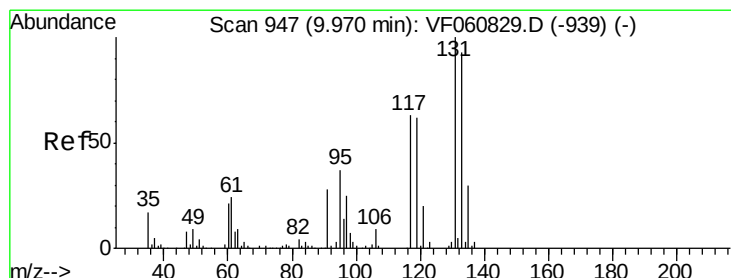
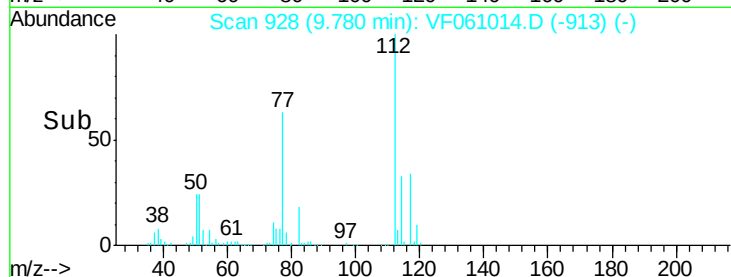
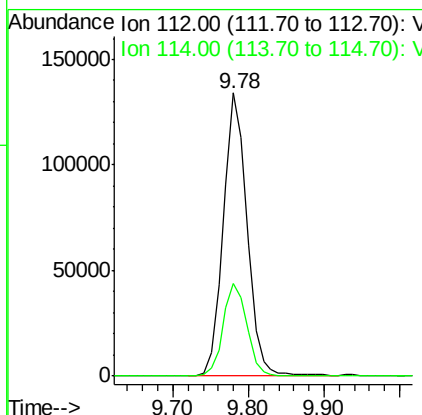
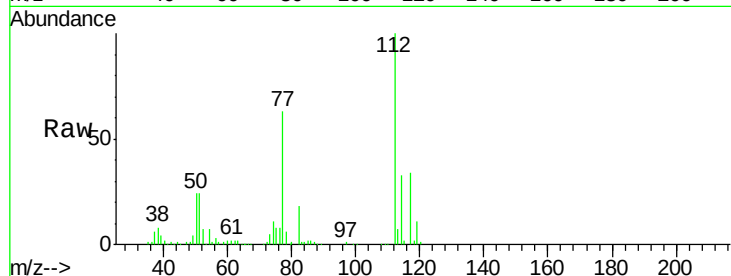
#65
Chlorobenzene
Concen: 53.300 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.05 min
Lab File: VF061014.D
Acq: 14 Dec 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 293069
Ion Ratio Lower Upper
112 100
114 32.7 26.0 39.0

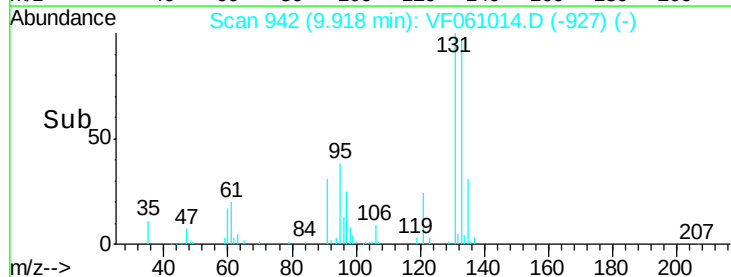
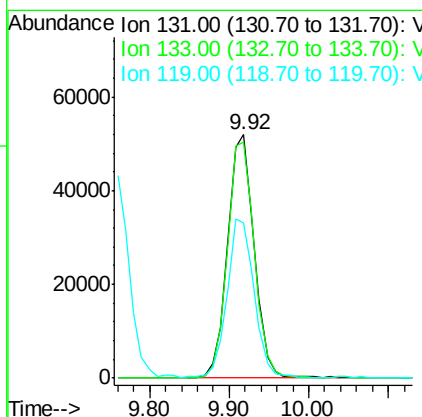
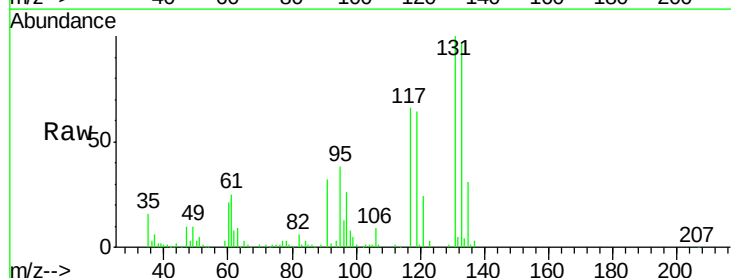
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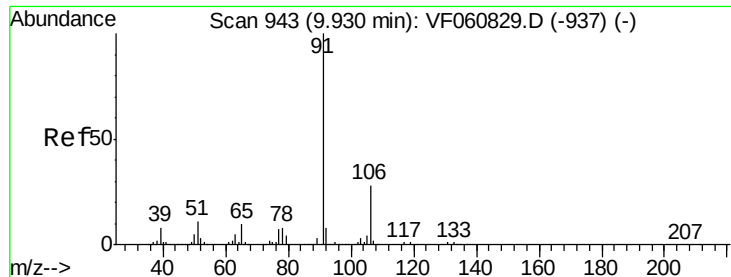
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.595 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.05 min
Lab File: VF061014.D
Acq: 14 Dec 2018 12:15

Tgt Ion:131 Resp: 121961
Ion Ratio Lower Upper
131 100
133 96.9 46.5 139.3
119 63.6 31.1 93.3





#67

Ethyl Benzene

Concen: 52.506 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.04 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 537480

Ion Ratio Lower Upper

91 100

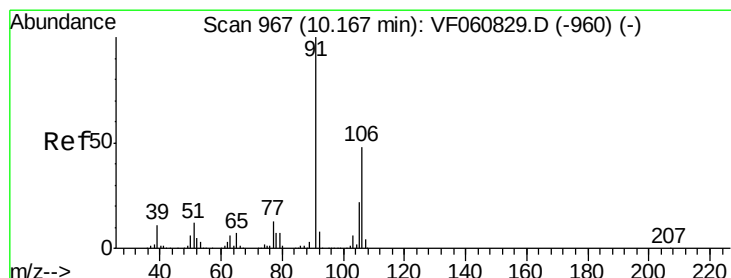
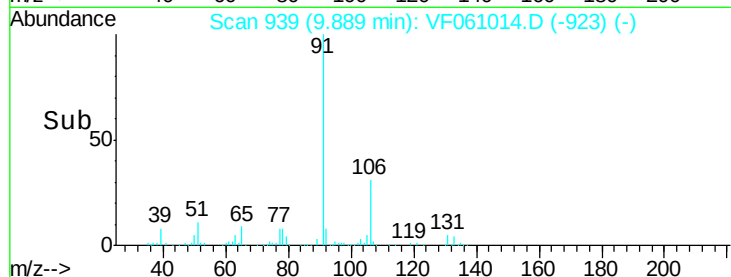
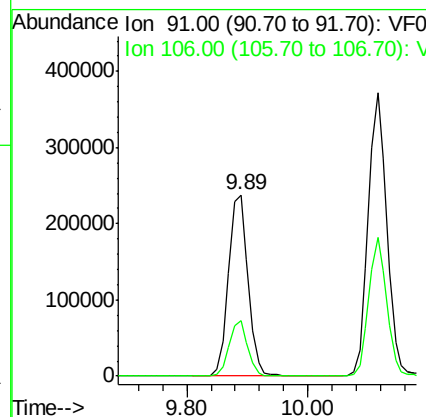
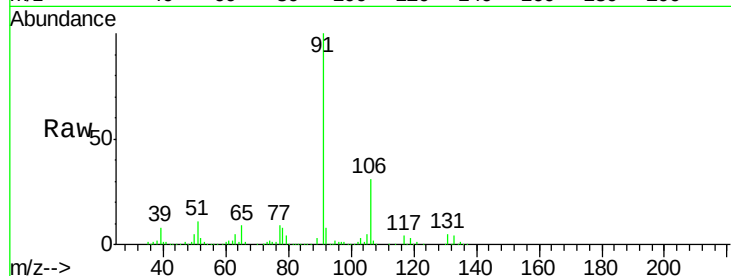
106 30.5 22.2 33.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 103.168 ug/l

RT: 10.12 min Scan# 962

Delta R.T. -0.05 min

Lab File: VF061014.D

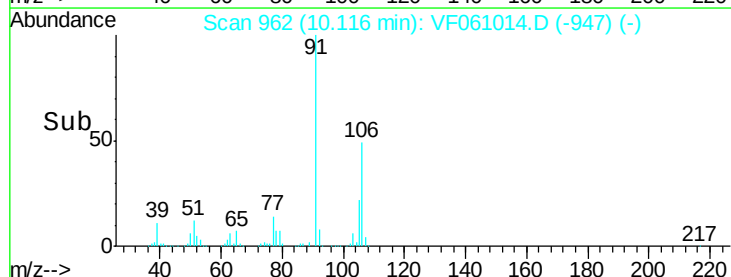
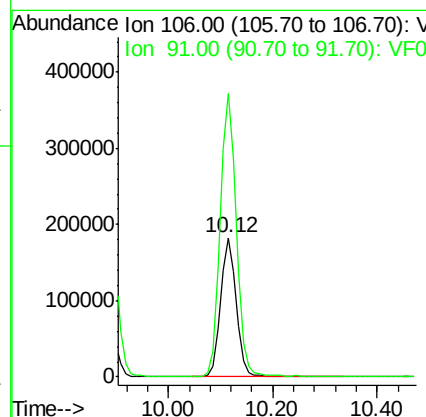
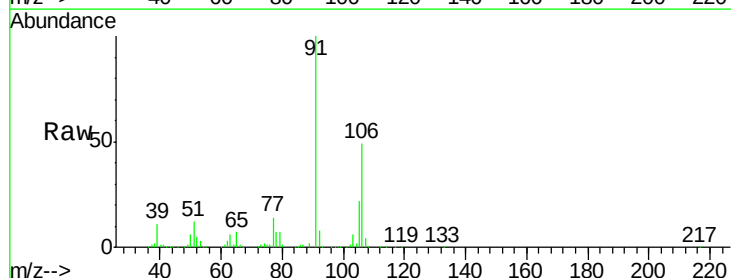
Acq: 14 Dec 2018 12:15

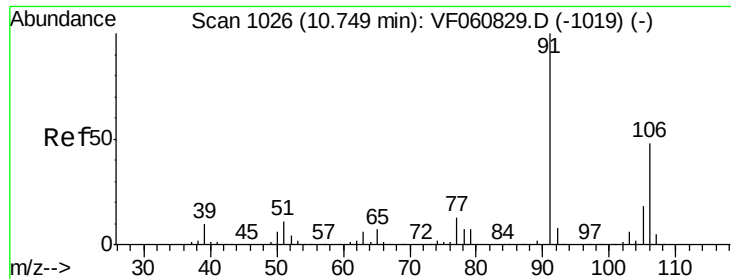
Tgt Ion: 106 Resp: 379831

Ion Ratio Lower Upper

106 100

91 203.3 166.7 250.1





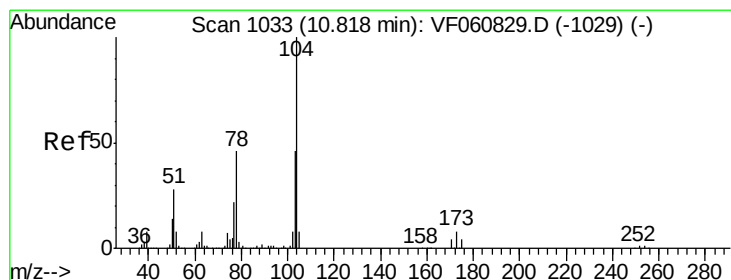
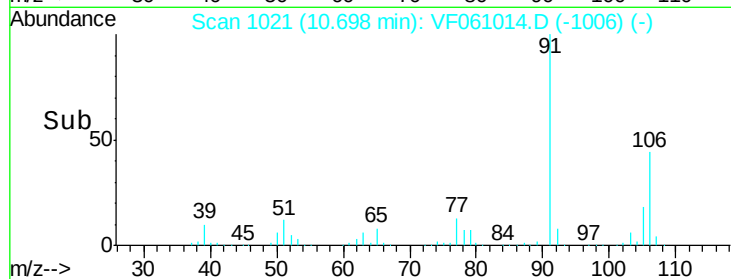
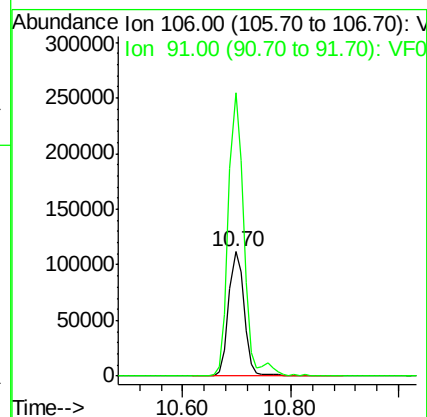
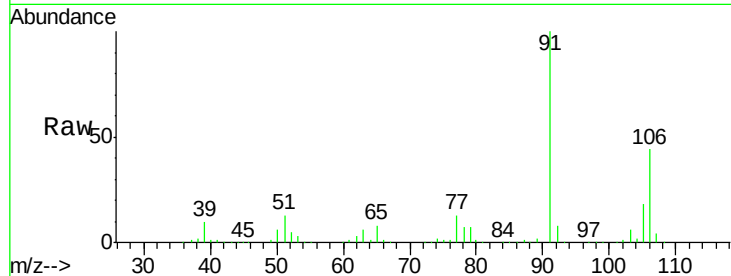
#69
o-Xylene
Concen: 54.258 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.05 min
Lab File: VF061014.D
Acq: 14 Dec 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 220276
Ion Ratio Lower Upper
106 100
91 227.2 104.8 314.6

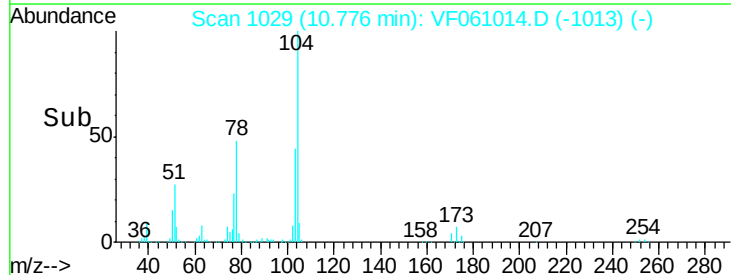
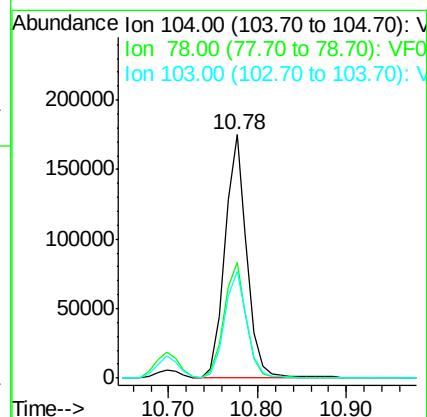
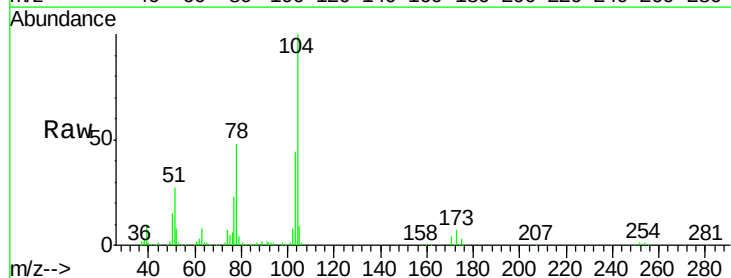
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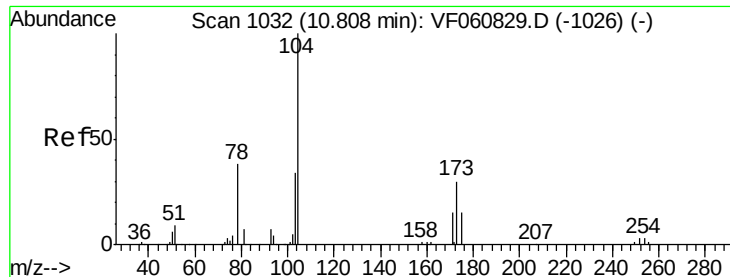
apatel
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#70
Styrene
Concen: 53.448 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.04 min
Lab File: VF061014.D
Acq: 14 Dec 2018 12:15

Tgt Ion:104 Resp: 300794
Ion Ratio Lower Upper
104 100
78 47.7 37.3 55.9
103 44.0 36.8 55.2





#71

Bromoform

Concen: 53.984 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.05 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

Instrument :

MSVOA_F

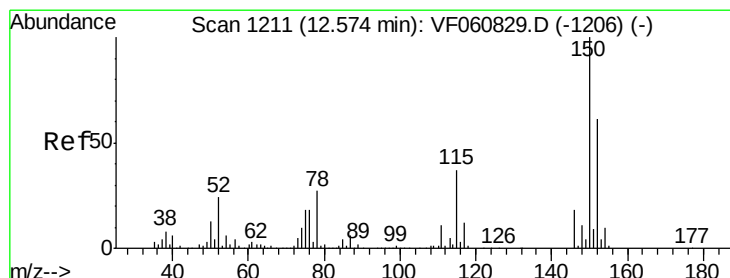
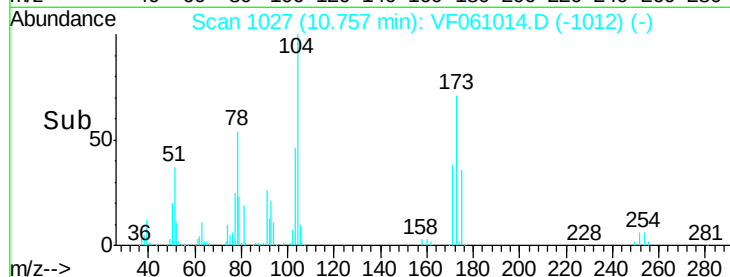
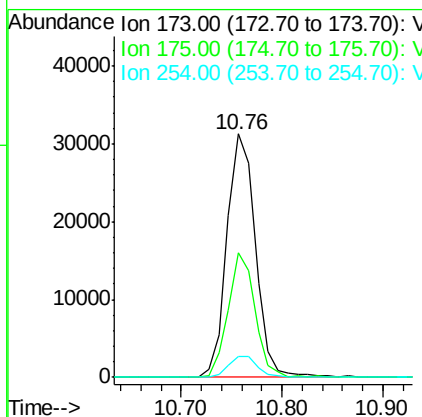
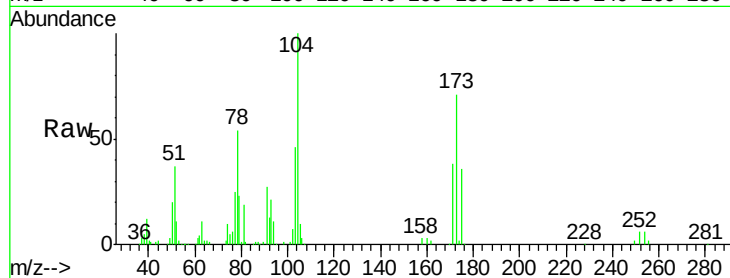
ClientSampleId :

VSTDCCC050

Tgt Ion:	173	Resp:	61638
Ion Ratio	Lower	Upper	
173	100		
175	51.3	25.5	76.5
254	8.6	7.5	11.3

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

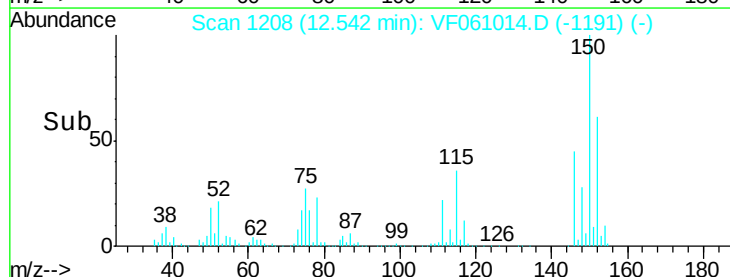
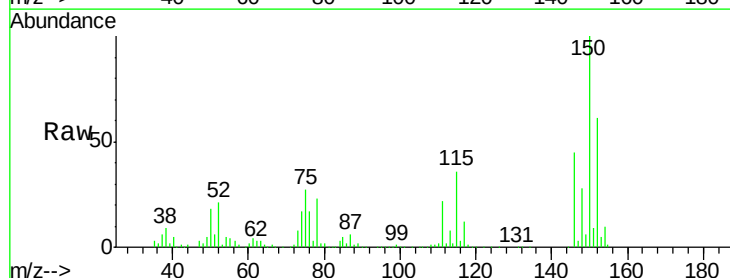
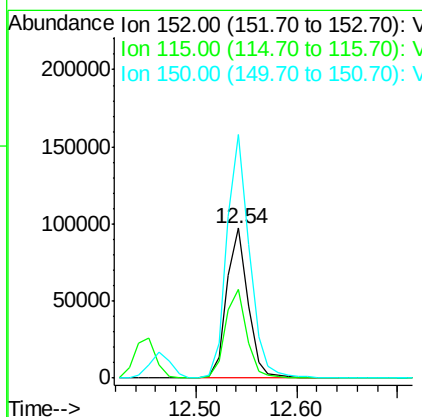
RT: 12.54 min Scan# 1208

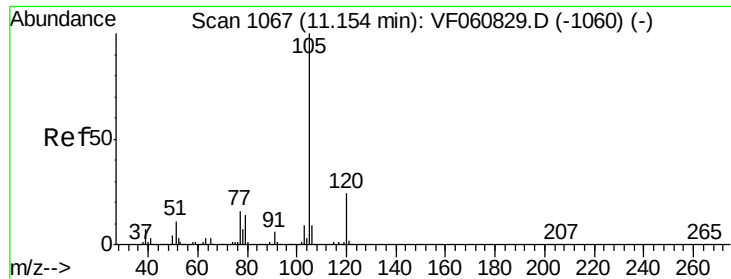
Delta R.T. -0.03 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

Tgt Ion:	152	Resp:	142973
Ion Ratio	Lower	Upper	
152	100		
115	59.1	30.1	90.5
150	162.8	0.0	327.6





#73

Isopropylbenzene

Concen: 55.317 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.04 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 624999

Ion Ratio Lower Upper

105 100

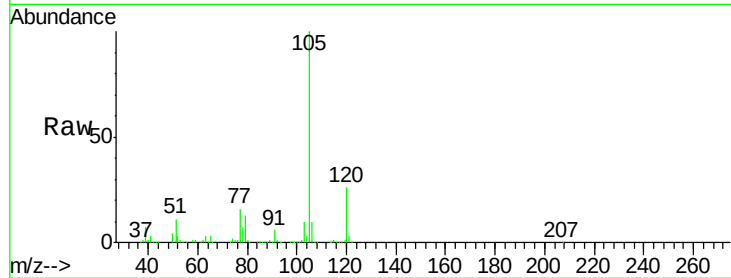
120 25.6 12.2 36.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.11

400000

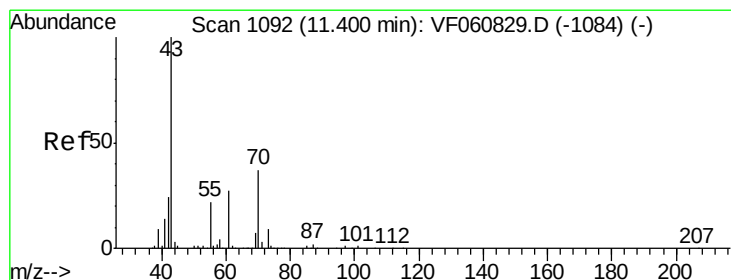
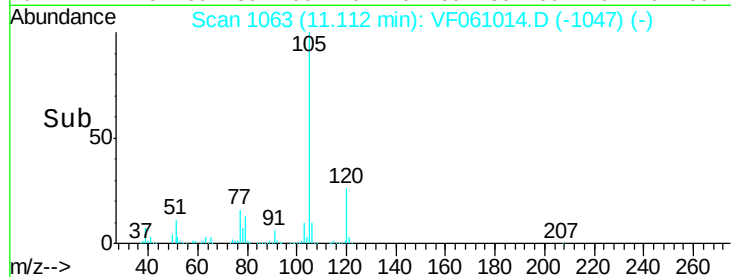
300000

200000

100000

0

Time--> 11.00 11.10 11.20 11.30



#74

N-ethyl acetate

Concen: 55.267 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.04 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

Tgt Ion: 43 Resp: 144192

Ion Ratio Lower Upper

43 100

70 34.8 29.6 44.4

55 21.2 17.2 25.8

61 25.1 21.8 32.6

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

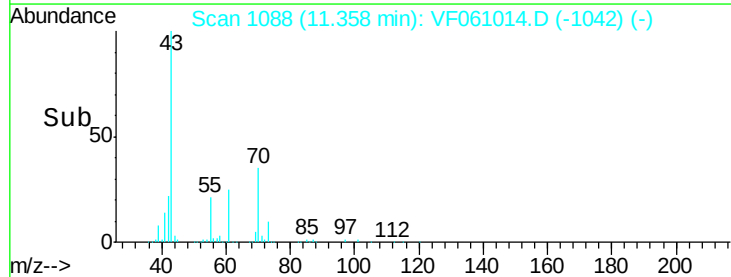
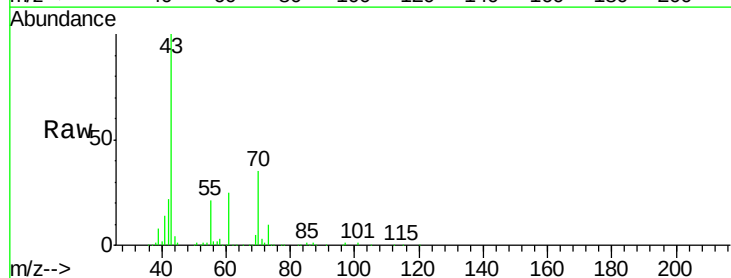
11.36

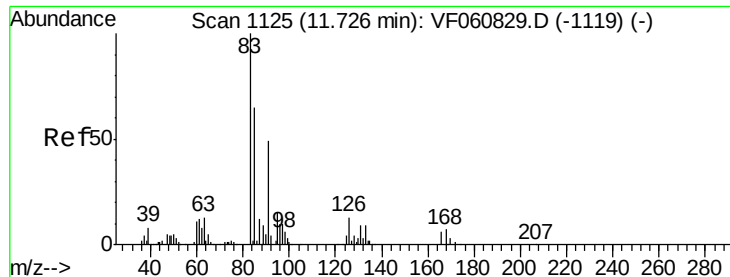
100000

50000

0

Time--> 11.20 11.30 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 59.002 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.04 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 109713
Ion Ratio Lower Upper

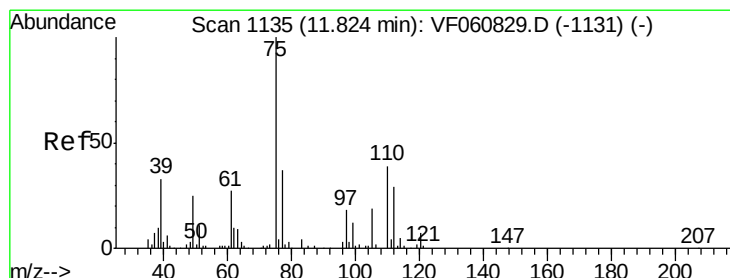
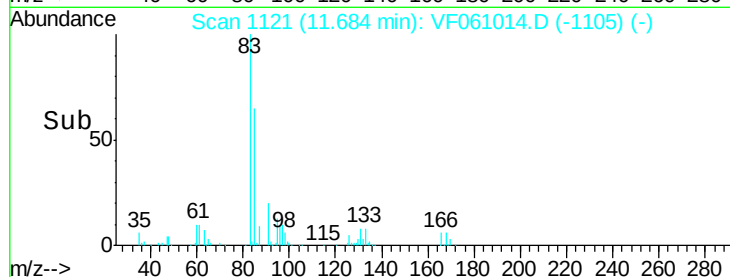
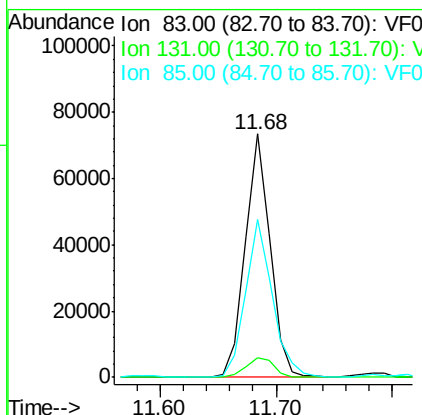
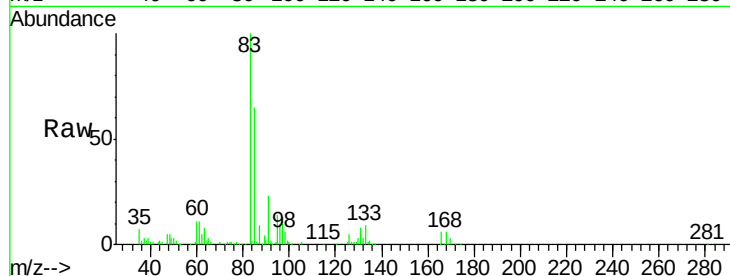
83 100

131 8.1 4.7 14.1

85 64.7 32.6 97.8

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#76

1,2,3-Trichloropropane

Concen: 54.410 ug/l m

RT: 11.78 min Scan# 1131

Delta R.T. -0.04 min

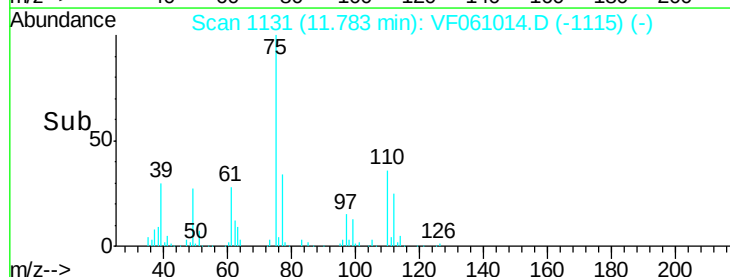
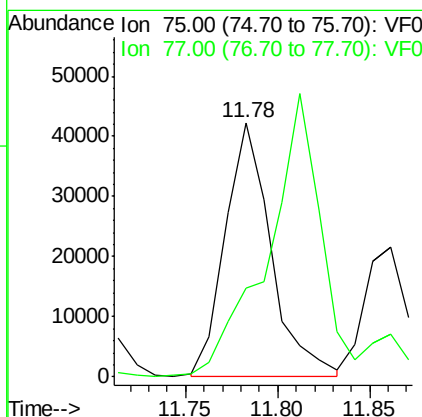
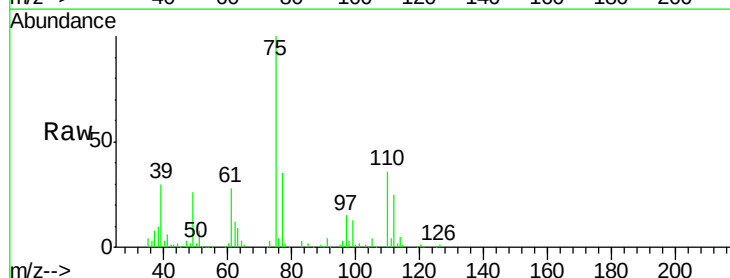
Lab File: VF061014.D

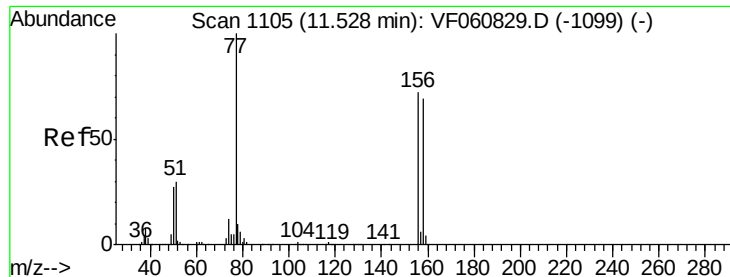
Acq: 14 Dec 2018 12:15

Tgt Ion: 75 Resp: 73540
Ion Ratio Lower Upper

75 100

77 34.9 18.4 55.4





#77

Bromobenzene

Concen: 53.915 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.04 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

Instrument :

MSVOA_F

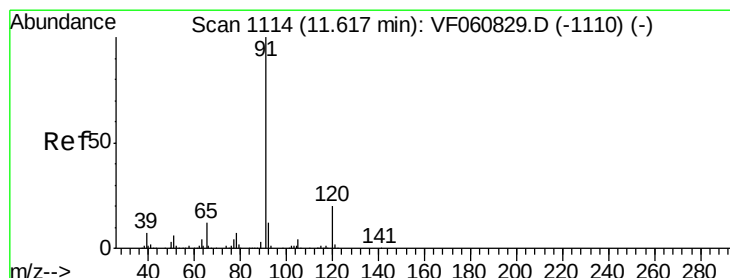
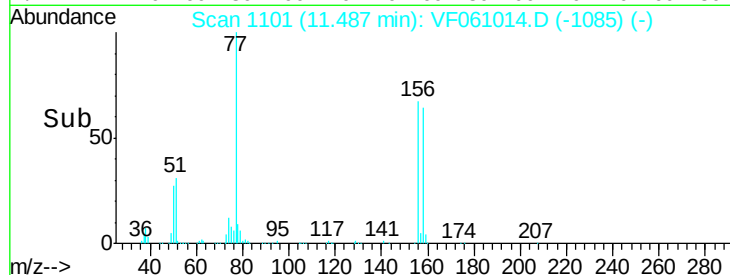
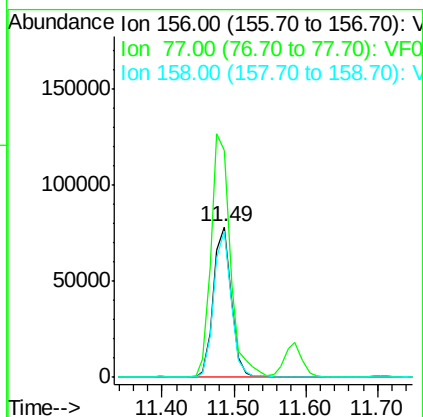
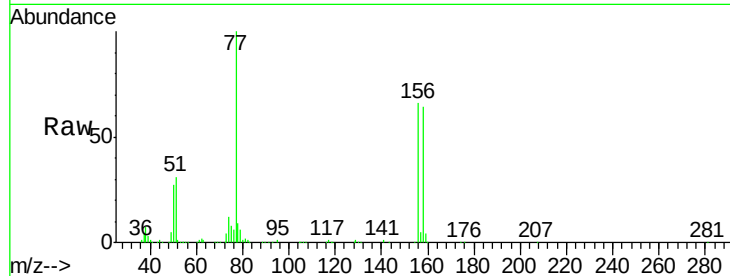
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
156	100		
77	150.5	69.7	209.0
158	96.8	47.8	143.4

Manual Integrations
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#78

n-propylbenzene

Concen: 54.188 ug/l

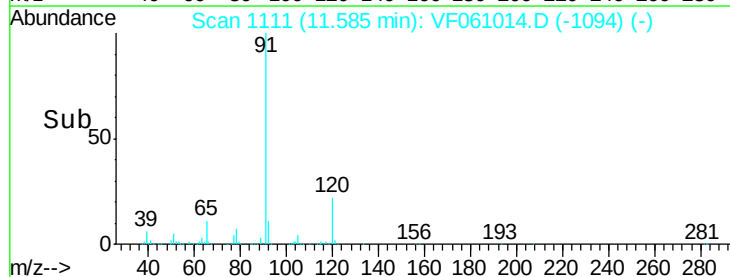
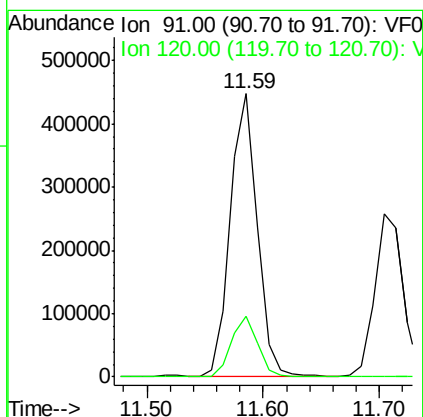
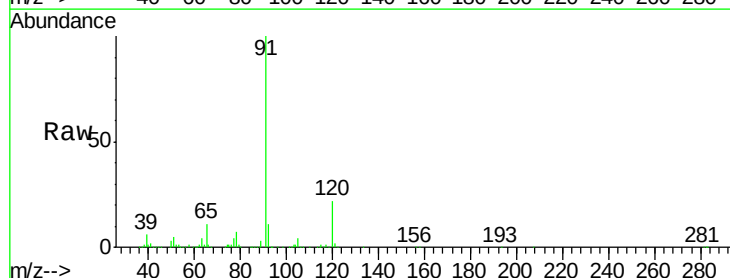
RT: 11.59 min Scan# 1111

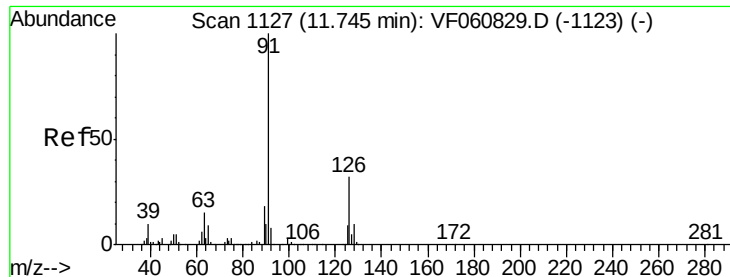
Delta R.T. -0.03 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.3	30.8





#79

2-Chlorotoluene

Concen: 56.385 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.04 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 427777

Ion Ratio Lower Upper

91 100

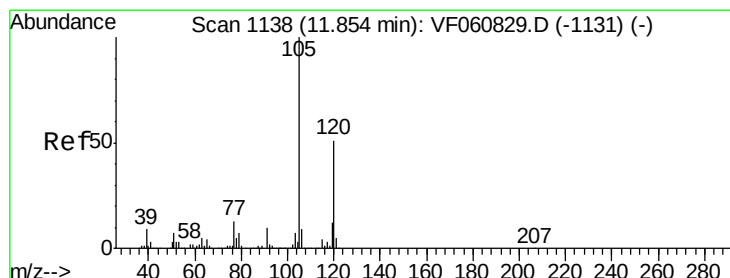
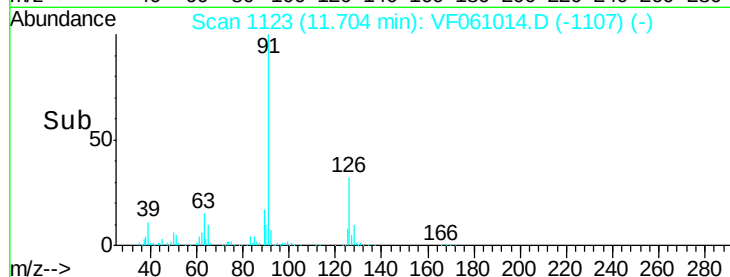
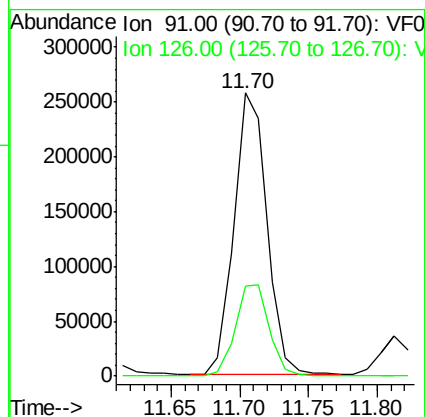
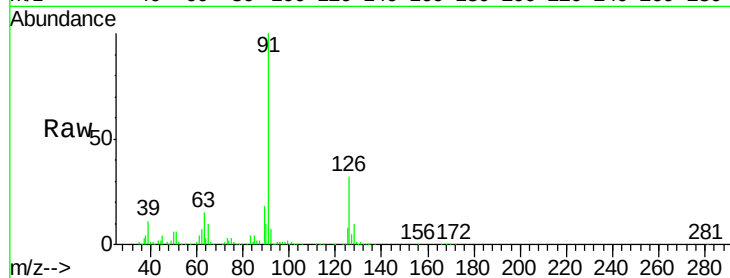
126 31.9 15.9 47.6

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#80

1,3,5-Trimethylbenzene

Concen: 53.840 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.04 min

Lab File: VF061014.D

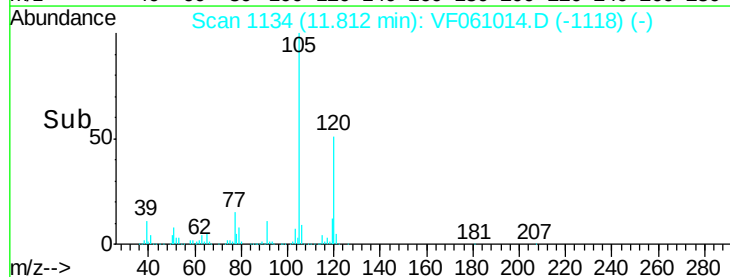
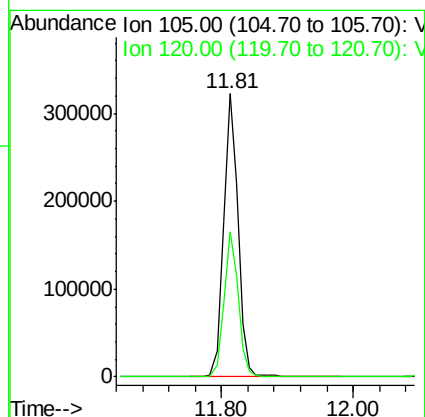
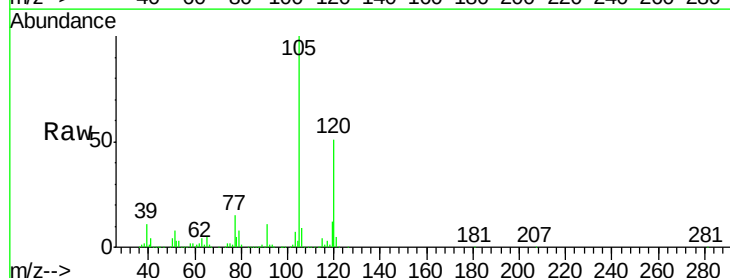
Acq: 14 Dec 2018 12:15

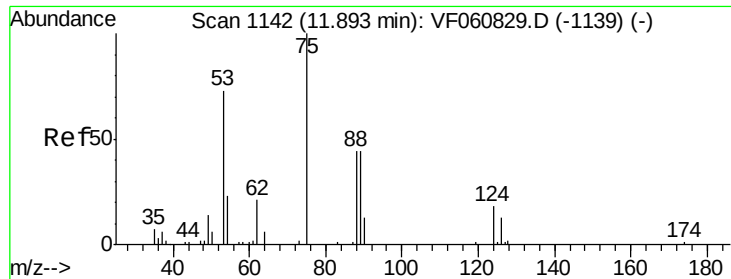
Tgt Ion: 105 Resp: 493835

Ion Ratio Lower Upper

105 100

120 51.4 25.8 77.3





#81

trans-1,4-Dichloro-2-butene

Concen: 50.220 ug/l m

RT: 11.86 min Scan# 1139

Delta R.T. -0.03 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 33257
Ion Ratio Lower Upper

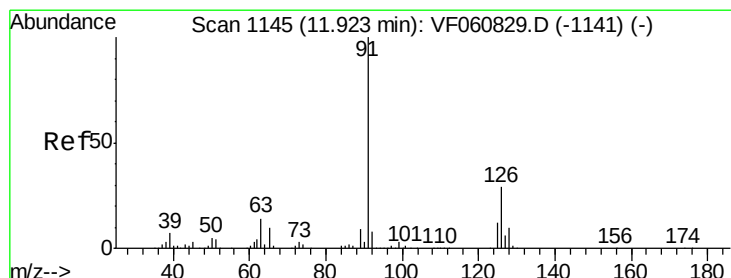
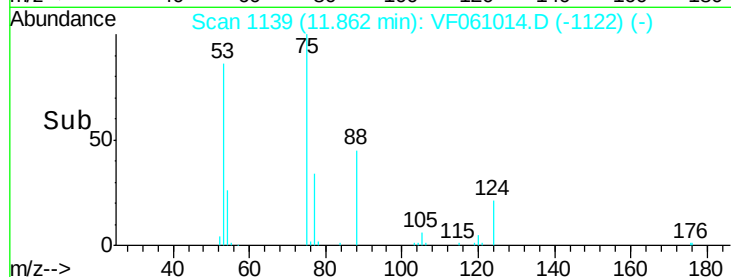
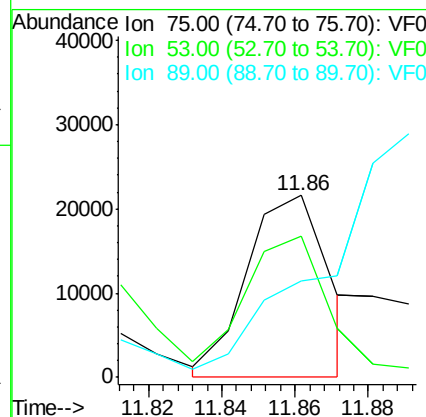
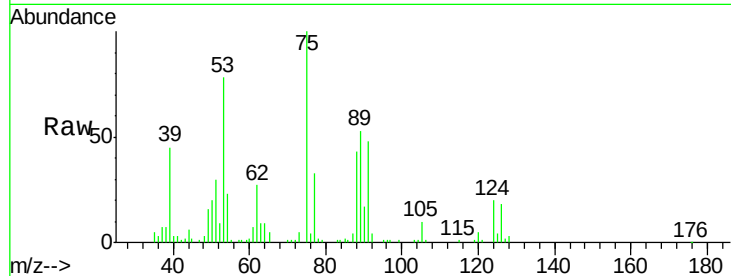
75 100

53 77.8 65.9 98.9

89 52.9 38.8 58.2

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#82

4-Chlorotoluene

Concen: 53.255 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.03 min

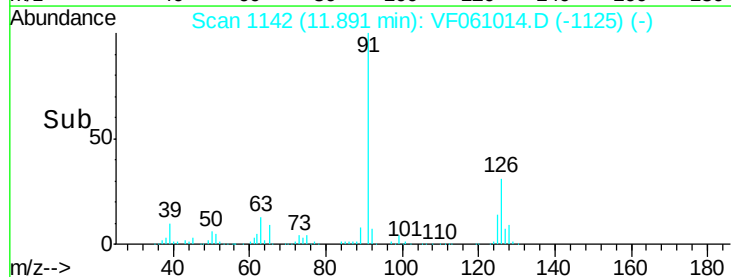
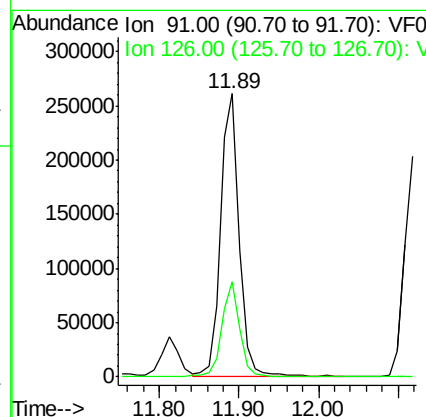
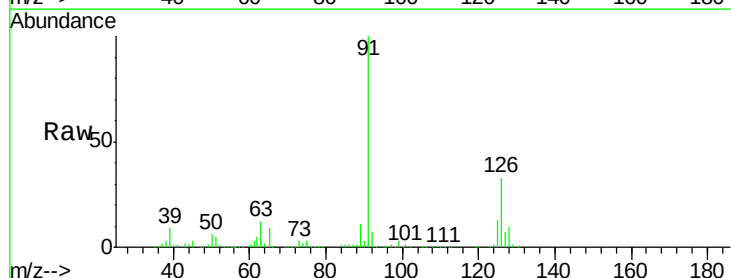
Lab File: VF061014.D

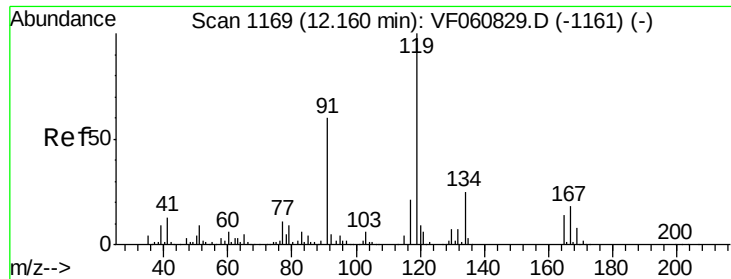
Acq: 14 Dec 2018 12:15

Tgt Ion: 91 Resp: 425192
Ion Ratio Lower Upper

91 100

126 33.5 14.8 44.4





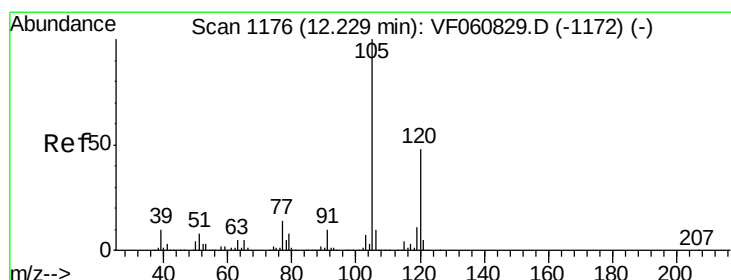
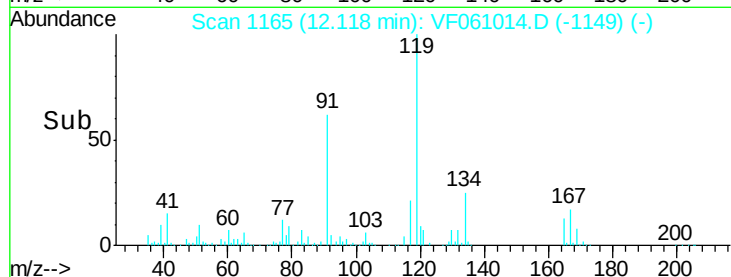
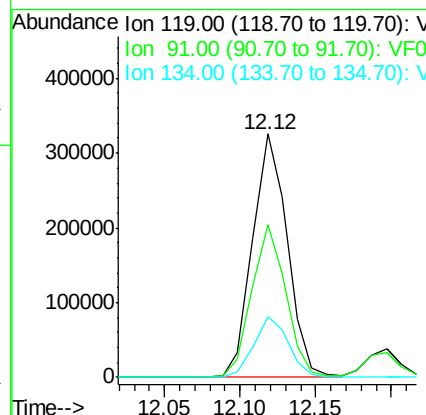
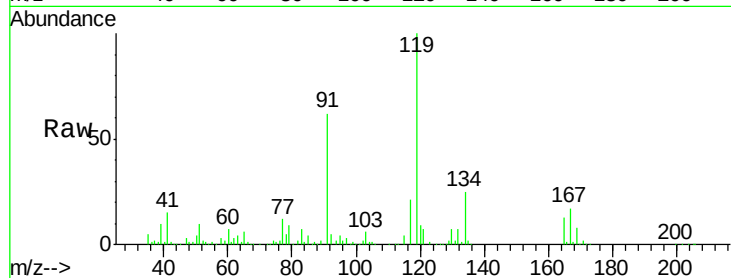
#83
 tert-Butylbenzene
 Concen: 56.118 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.04 min
 Lab File: VF061014.D
 Acq: 14 Dec 2018 12:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	524322		
91	62.5	30.1	90.3	
134	24.9	12.6	37.8	

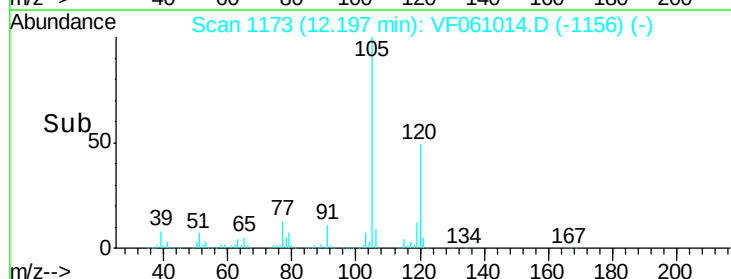
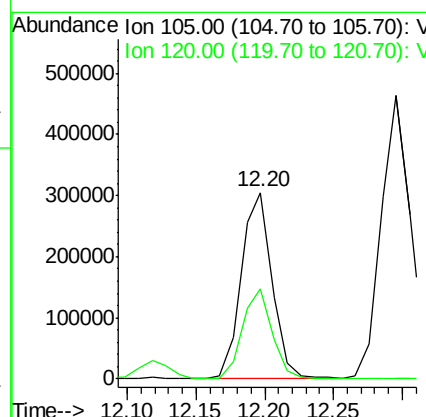
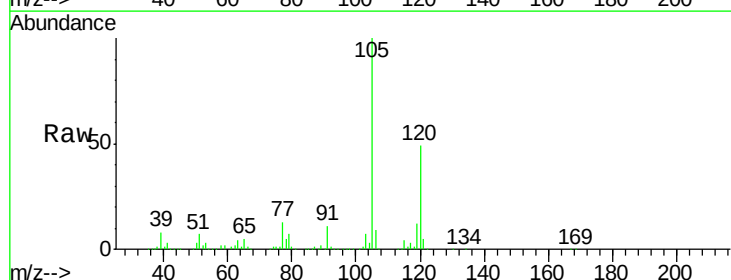
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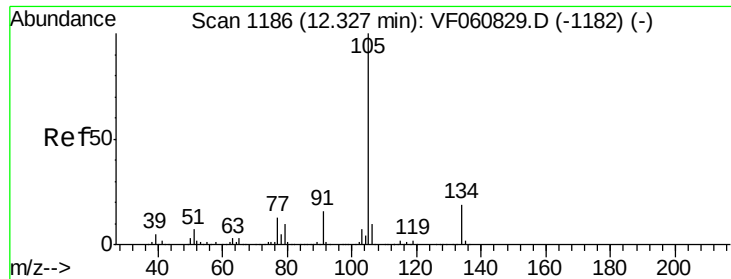
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.930 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.03 min
 Lab File: VF061014.D
 Acq: 14 Dec 2018 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	475379		
120	48.5	23.8	71.5	





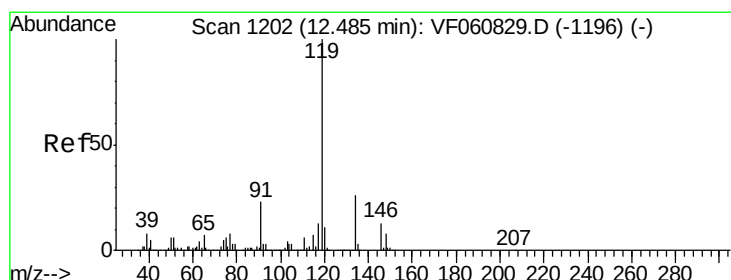
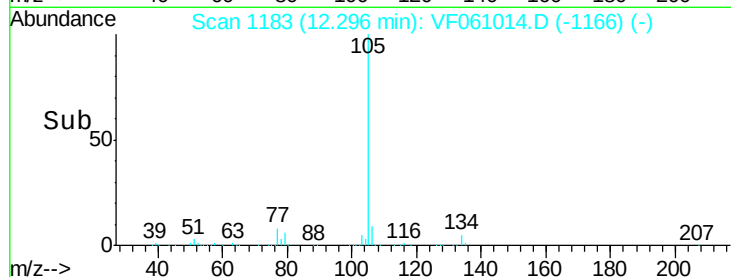
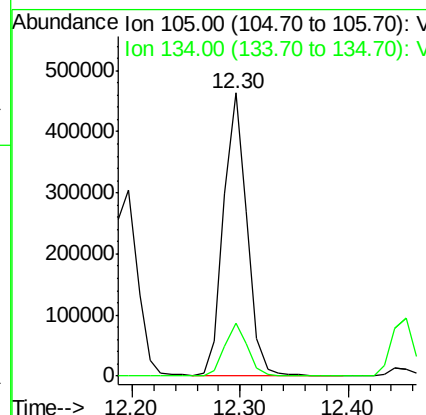
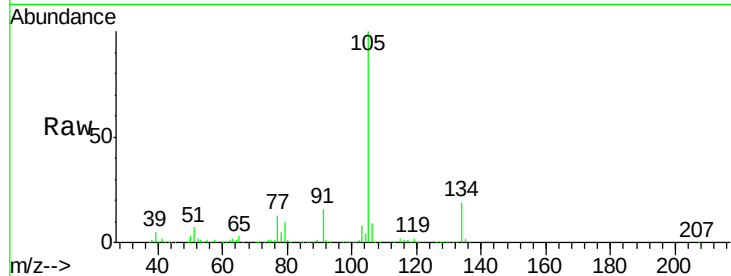
#85
 sec-Butylbenzene
 Concen: 54.360 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.03 min
 Lab File: VF061014.D
 Acq: 14 Dec 2018 12:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	695276		
134	18.8	9.5	28.5	

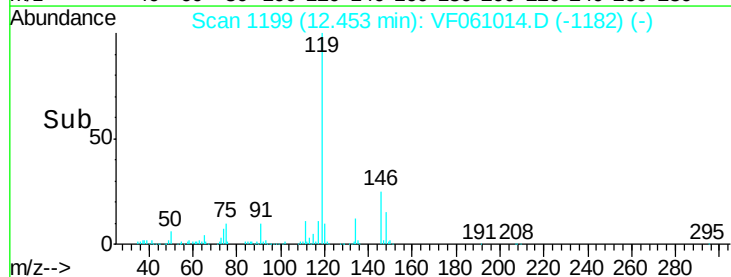
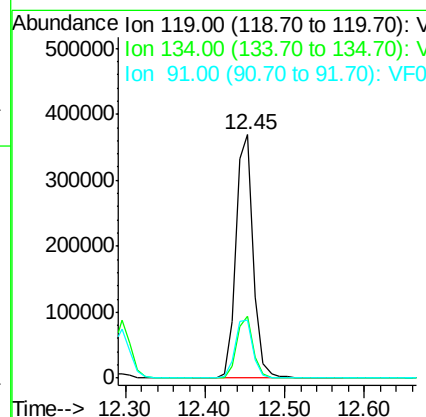
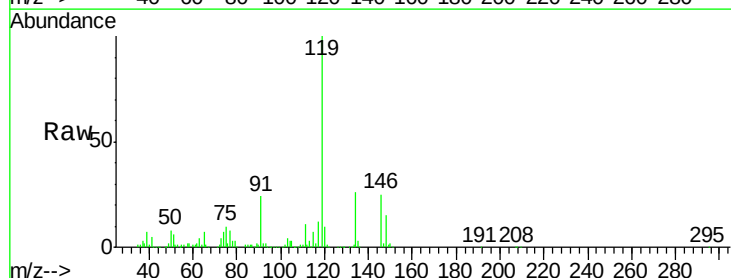
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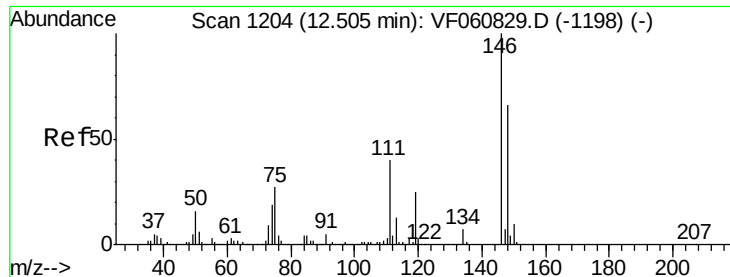
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#86
 p-Isopropyltoluene
 Concen: 52.656 ug/l
 RT: 12.45 min Scan# 1199
 Delta R.T. -0.03 min
 Lab File: VF061014.D
 Acq: 14 Dec 2018 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	564642		
134	25.6	12.9	38.6	
91	23.6	11.8	35.3	





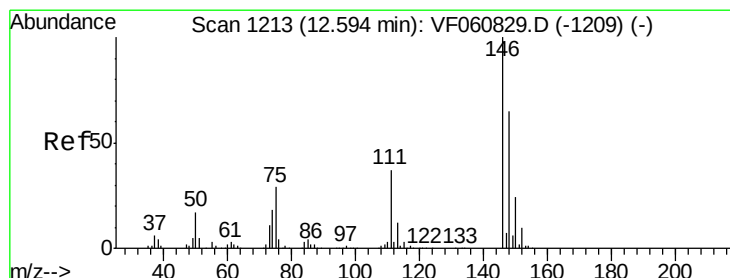
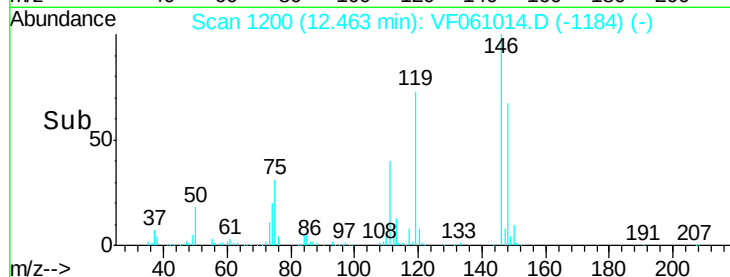
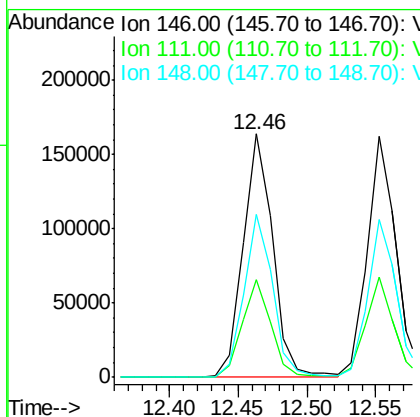
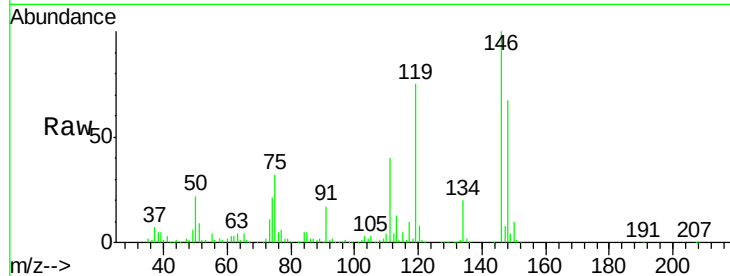
#87
 1,3-Dichlorobenzene
 Concen: 52.579 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.04 min
 Lab File: VF061014.D
 Acq: 14 Dec 2018 12:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	247737		
111	40.3	20.0	59.9	
148	66.7	32.9	98.6	

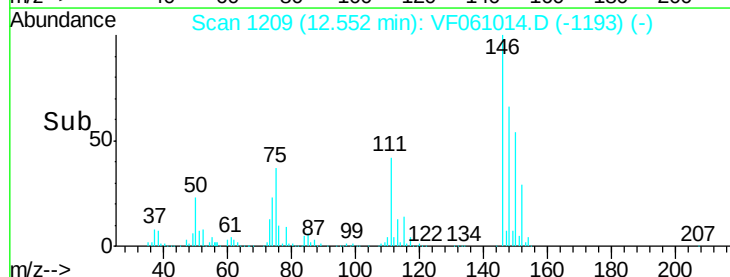
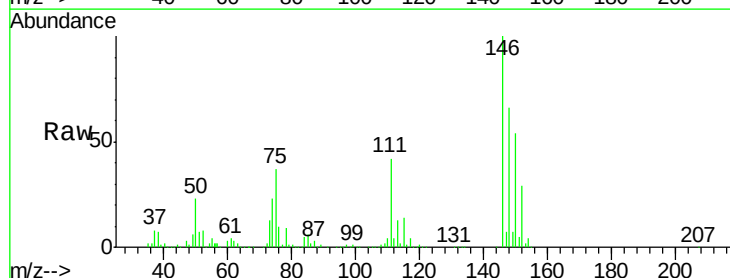
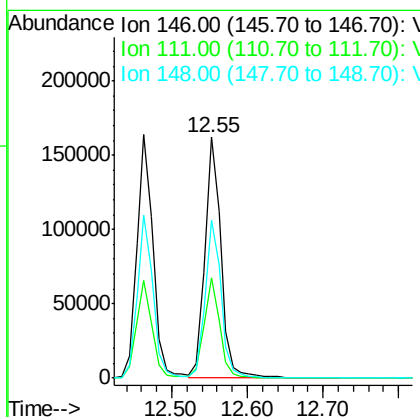
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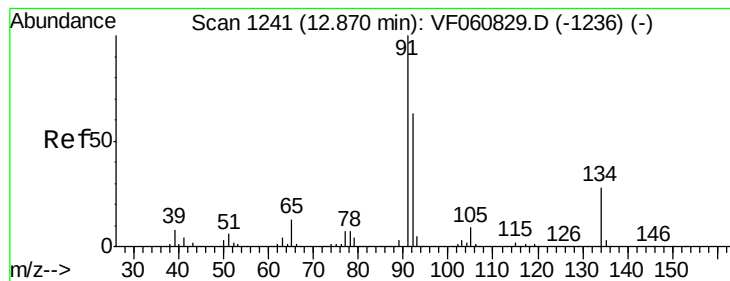
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#88
 1,4-Dichlorobenzene
 Concen: 51.967 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.04 min
 Lab File: VF061014.D
 Acq: 14 Dec 2018 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	238619		
111	41.9	18.9	56.7	
148	65.6	32.3	96.9	





#89

n-Butylbenzene

Concen: 55.194 ug/l

RT: 12.83 min Scan# 1237

Delta R.T. -0.04 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

Instrument :

MSVOA_F

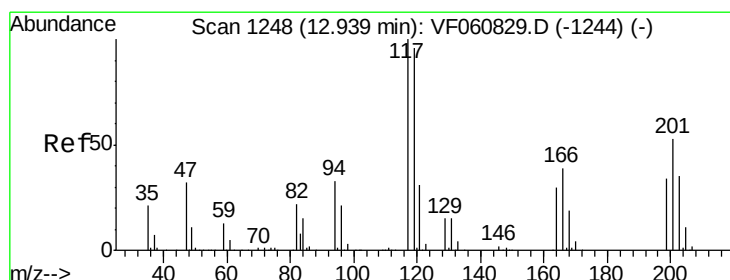
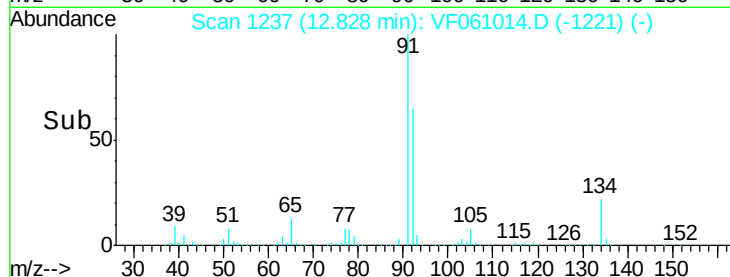
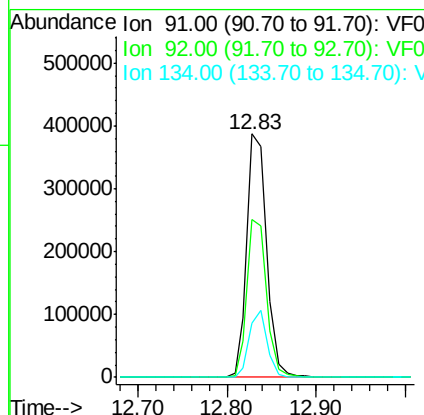
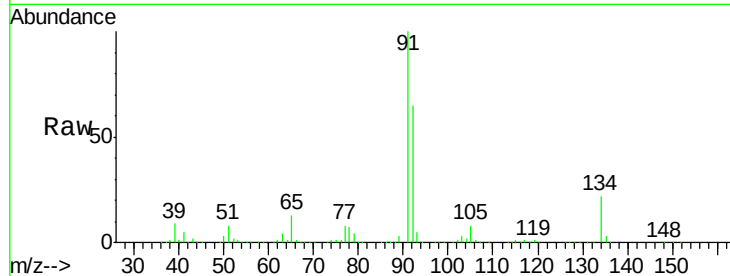
ClientSampleId :

VSTDCCC050

Tgt Ion:	91	Resp:	598465
Ion Ratio	Lower	Upper	
91	100		
92	64.7	31.6	94.7
134	22.2	13.8	41.4

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#90

Hexachloroethane

Concen: 57.995 ug/l

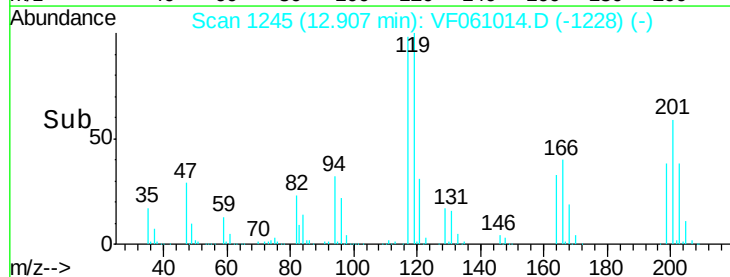
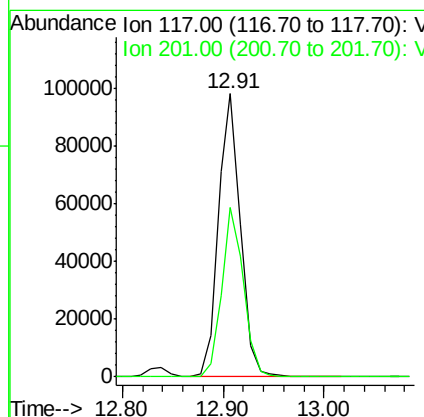
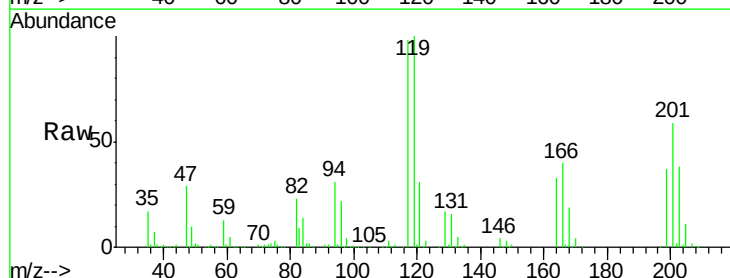
RT: 12.91 min Scan# 1245

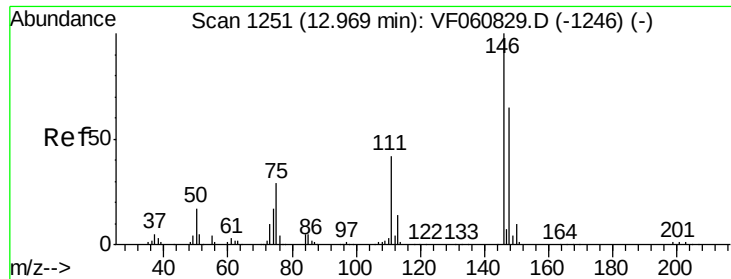
Delta R.T. -0.03 min

Lab File: VF061014.D

Acq: 14 Dec 2018 12:15

Tgt Ion:	117	Resp:	149755
Ion Ratio	Lower	Upper	
117	100		
201	59.8	26.7	80.1





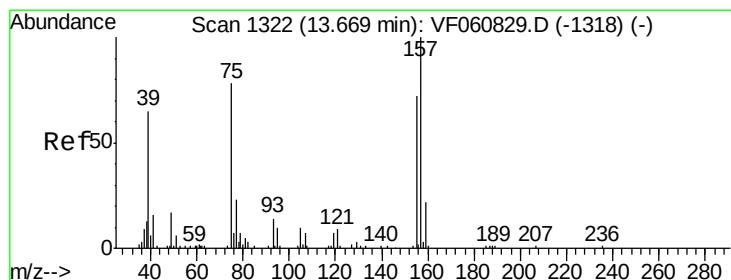
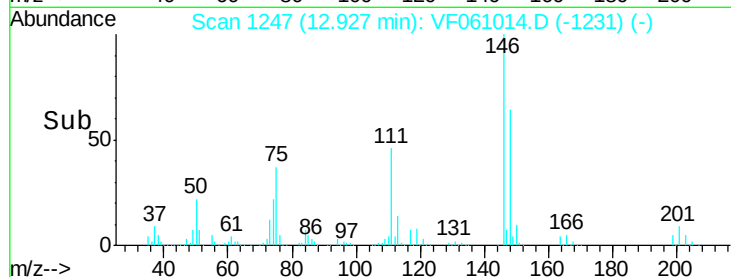
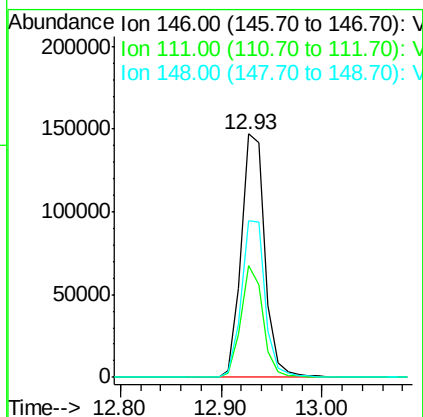
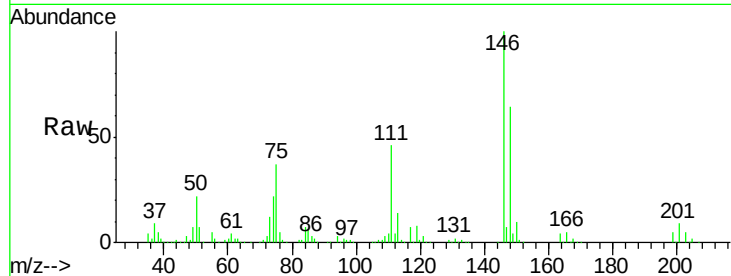
#91
 1,2-Dichlorobenzene
 Concen: 53.856 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.04 min
 Lab File: VF061014.D
 Acq: 14 Dec 2018 12:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	240304		
111	46.2	21.2	63.6	
148	64.4	32.5	97.5	

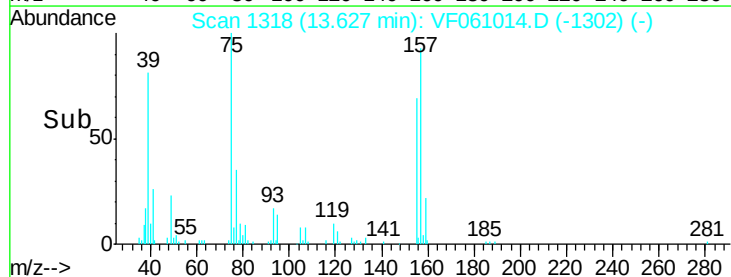
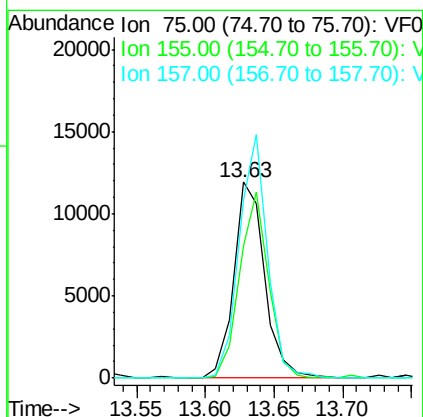
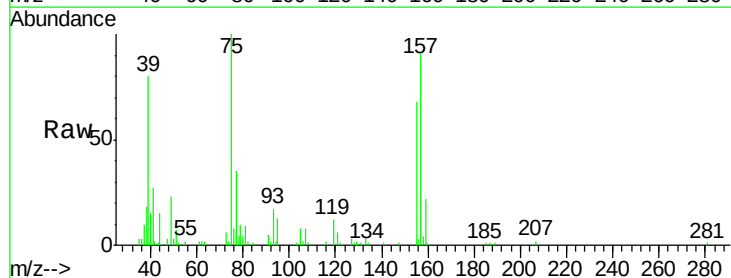
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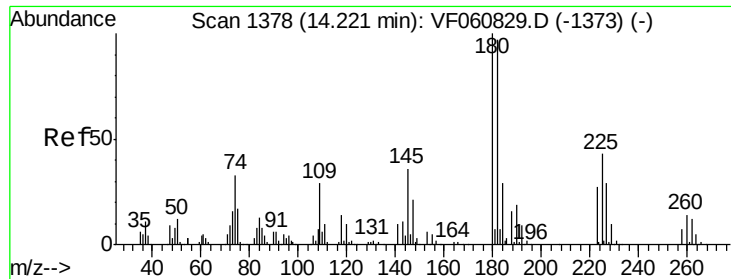
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.001 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.04 min
 Lab File: VF061014.D
 Acq: 14 Dec 2018 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18695		
155	67.6	45.6	136.9	
157	90.9	63.8	191.5	





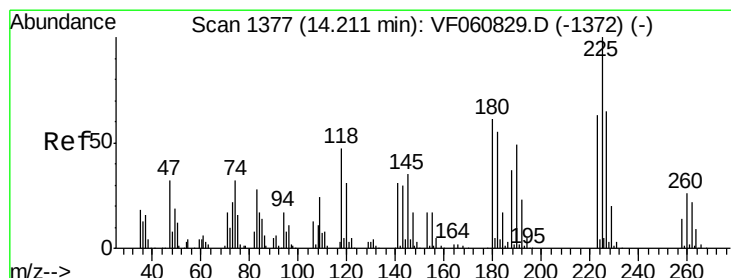
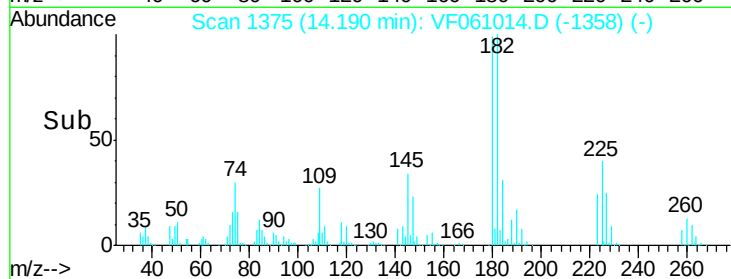
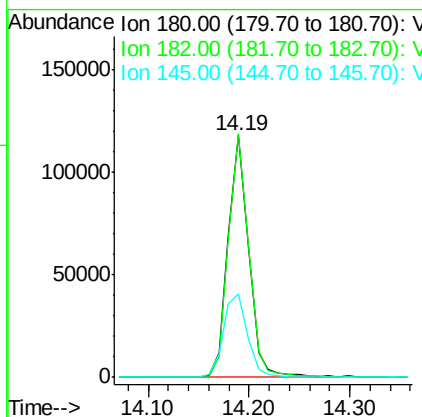
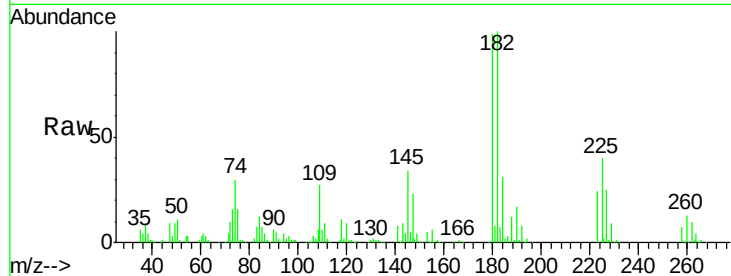
#93
 1,2,4-Trichlorobenzene
 Concen: 54.007 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.03 min
 Lab File: VF061014.D
 Acq: 14 Dec 2018 12:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	168376		
182	100.6	48.5	145.5	
145	34.7	18.1	54.3	

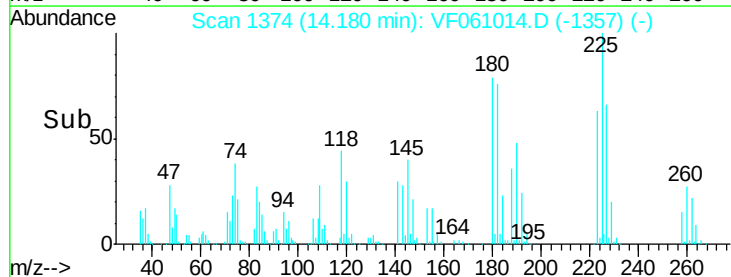
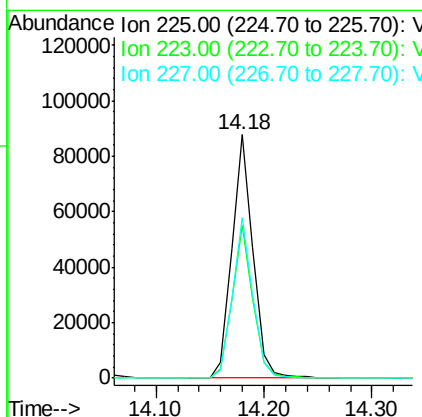
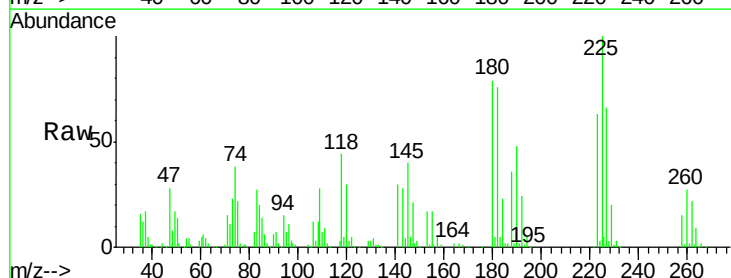
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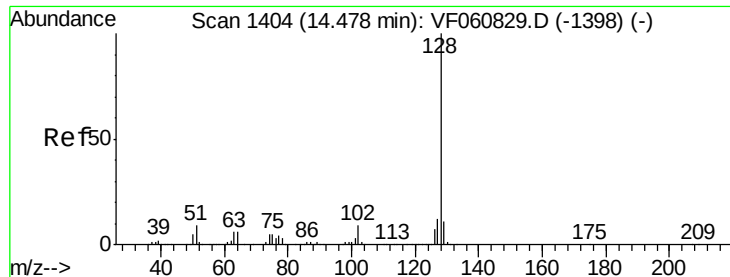
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#94
 Hexachlorobutadiene
 Concen: 57.210 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.03 min
 Lab File: VF061014.D
 Acq: 14 Dec 2018 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	118901		
223	63.0	31.4	94.3	
227	66.1	32.5	97.5	





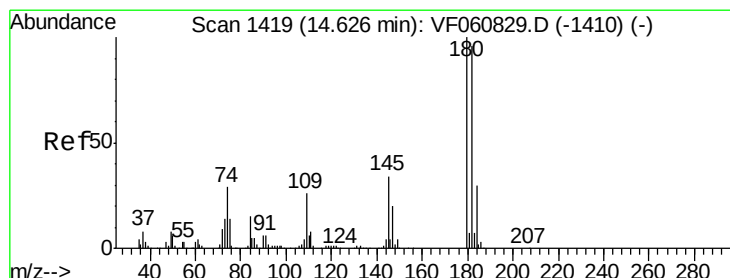
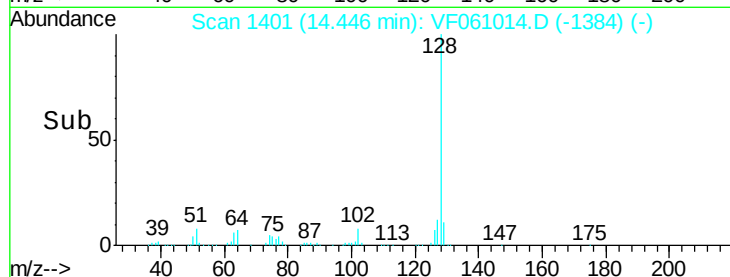
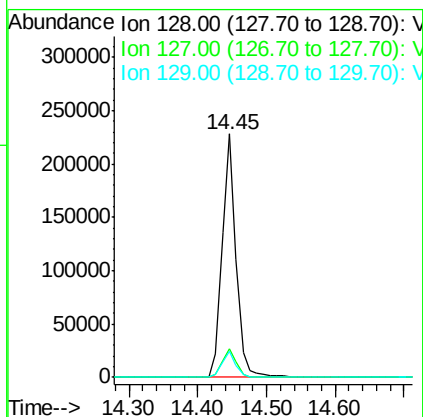
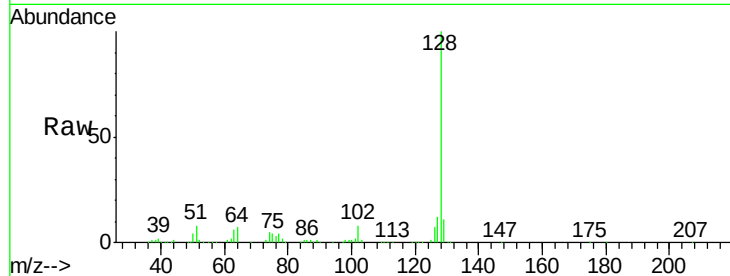
#95
Naphthalene
Concen: 53.373 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.03 min
Lab File: VF061014.D
Acq: 14 Dec 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	321542		
127	12.0	9.9	14.9	
129	10.8	9.1	13.7	

Manual Integrations
APPROVED

apatel
12/15/2018 3:25:35 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.977 ug/l
RT: 14.59 min Scan# 1416
Delta R.T. -0.03 min
Lab File: VF061014.D
Acq: 14 Dec 2018 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	150464		
182	100.9	47.9	143.8	
145	35.4	17.2	51.5	

