

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121718\
 Data File : VF061035.D
 Acq On : 17 Dec 2018 11:59
 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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apatel
 12/18/2018 2:32:09 PM

Quant Time: Dec 18 03:15:46 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	4.89	168	169421	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.62	114	270400	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.79	117	253758	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	130413	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	112358	56.30	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	112.60%	
35) Dibromofluoromethane	4.13	113	120944	56.38	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	112.76%	
50) Toluene-d8	7.57	98	343344	54.34	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	108.68%	
62) 4-Bromofluorobenzene	11.43	95	156559	54.51	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	109.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	107482	42.429	ug/l	99
3) Chloromethane	1.10	50	73665	44.689	ug/l	94
4) Vinyl Chloride	1.14	62	74910	48.719	ug/l	95
5) Bromomethane	1.35	94	53347	49.204	ug/l	96
6) Chloroethane	1.38	64	36378	54.733	ug/l	99
7) Trichlorofluoromethane	1.49	101	172425	52.266	ug/l	93
8) Diethyl Ether	1.63	74	22494	47.416	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.83	101	89327	53.559	ug/l	97
10) Methyl Iodide	1.90	142	133795m	52.777	ug/l	
11) Tert butyl alcohol	2.58	59	22391	273.681	ug/l	94
12) 1,1-Dichloroethene	1.79	96	63588	47.401	ug/l	87
13) Acrolein	2.01	56	18873	243.472	ug/l	93
14) Allyl chloride	2.11	41	92191	55.137	ug/l	98
15) Acrylonitrile	2.95	53	50017	272.690	ug/l	95
16) Acetone	2.24	43	131835	358.205	ug/l	95
17) Carbon Disulfide	1.83	76	150902m	41.954	ug/l	
18) Methyl Acetate	2.35	43	36845	60.002	ug/l	94
19) Methyl tert-butyl Ether	2.44	73	164633	54.489	ug/l	97
20) Methylene Chloride	2.24	84	71936m	53.278	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	68492	52.959	ug/l	95
22) Diisopropyl ether	2.82	45	248844	54.676	ug/l	96
23) Vinyl Acetate	3.20	43	589122	283.172	ug/l	97
24) 1,1-Dichloroethane	2.89	63	153203	56.577	ug/l	98
25) 2-Butanone	4.35	43	181037	284.387	ug/l	99
26) 2,2-Dichloropropane	3.61	77	95107	54.176	ug/l	97
27) cis-1,2-Dichloroethene	3.49	96	110045	52.265	ug/l	94
28) Bromochloromethane	3.73	49	66305	51.021	ug/l	94
29) Tetrahydrofuran	4.09	42	68682	254.529	ug/l	95
30) Chloroform	3.87	83	223038	53.518	ug/l	100
31) Cyclohexane	3.70	56	129529	46.092	ug/l	96
32) 1,1,1-Trichloroethane	4.11	97	158605	54.876	ug/l	93
36) 1,1-Dichloropropene	4.30	75	151053	50.365	ug/l	95
37) Ethyl Acetate	4.13	43	64882	53.235	ug/l #	95
38) Carbon Tetrachloride	4.01	117	139677	52.728	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	146977	46.762	ug/l	94
40) Benzene	4.65	78	338062	51.022	ug/l	100
41) Methacrylonitrile	4.76	41	36679	58.809	ug/l #	82
42) 1,2-Dichloroethane	4.96	62	132203	54.653	ug/l	96
43) Isopropyl Acetate	6.97	43	81559	54.480	ug/l #	99
44) Trichloroethene	5.52	130	111553	51.492	ug/l	94
45) 1,2-Dichloropropane	6.26	63	93234	54.180	ug/l	94
46) Dibromomethane	6.10	93	61221	52.445	ug/l	98
47) Bromodichloromethane	6.40	83	168385	54.310	ug/l	93
48) Methyl methacrylate	6.73	41	57754	52.350	ug/l	98
49) 1,4-Dioxane	6.72	88	8967	1110.587	ug/l #	87
51) 4-Methyl-2-Pentanone	8.27	43	299501	266.479	ug/l	99
52) Toluene	7.64	92	217305	46.691	ug/l	100
53) t-1,3-Dichloropropene	8.29	75	137946	54.698	ug/l	99
54) cis-1,3-Dichloropropene	7.31	75	162681	52.106	ug/l	98
55) 1,1,2-Trichloroethane	8.51	97	74459	54.905	ug/l	97
56) Ethyl methacrylate	8.64	69	80259	53.275	ug/l	92
57) 1,3-Dichloropropane	8.87	76	129157	54.436	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.31	63	71535	464.234	ug/l	94
59) 2-Hexanone	9.50	43	248790	315.524	ug/l	98
60) Dibromochloromethane	8.73	129	105395	52.160	ug/l	99
61) 1,2-Dibromoethane	9.00	107	77681	53.024	ug/l	100
64) Tetrachloroethene	8.17	164	98012	50.568	ug/l	92
65) Chlorobenzene	9.81	112	267902	54.269	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.95	131	112814	53.158	ug/l	98
67) Ethyl Benzene	9.92	91	491572	53.488	ug/l	97
68) m/p-Xylenes	10.15	106	314108	95.028	ug/l	96
69) o-Xylene	10.73	106	186158	51.073	ug/l	91
70) Styrene	10.81	104	261530	51.761	ug/l	98
71) Bromoform	10.79	173	55927	54.558	ug/l	93
73) Isopropylbenzene	11.14	105	560329	54.369	ug/l	96
74) N-amyl acetate	11.39	43	133910	56.270	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.70	83	89896	53.001	ug/l	100
76) 1,2,3-Trichloropropane	11.81	75	68186	55.307	ug/l	98
77) Bromobenzene	11.51	156	116887	51.733	ug/l	86
78) n-propylbenzene	11.61	91	616919	51.116	ug/l	98
79) 2-Chlorotoluene	11.73	91	357959	51.726	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	436981	52.230	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.88	75	32273m	53.427	ug/l	
82) 4-Chlorotoluene	11.91	91	381808	52.427	ug/l	98
83) tert-Butylbenzene	12.14	119	460878	54.078	ug/l	96
84) 1,2,4-Trimethylbenzene	12.22	105	442518	52.996	ug/l	98
85) sec-Butylbenzene	12.32	105	613581	52.593	ug/l	100
86) p-Isopropyltoluene	12.47	119	514080	52.558	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	218386	50.813	ug/l	98
88) 1,4-Dichlorobenzene	12.58	146	220012	52.529	ug/l	97
89) n-Butylbenzene	12.86	91	539724	54.570	ug/l	98
90) Hexachloroethane	12.93	117	129728	55.078	ug/l	97
91) 1,2-Dichlorobenzene	12.96	146	216145	53.107	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.66	75	18066	55.091	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	155568	54.704	ug/l	99
94) Hexachlorobutadiene	14.20	225	106967	56.425	ug/l	98
95) Naphthalene	14.47	128	299786	54.637	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	144107	54.575	ug/l	99

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

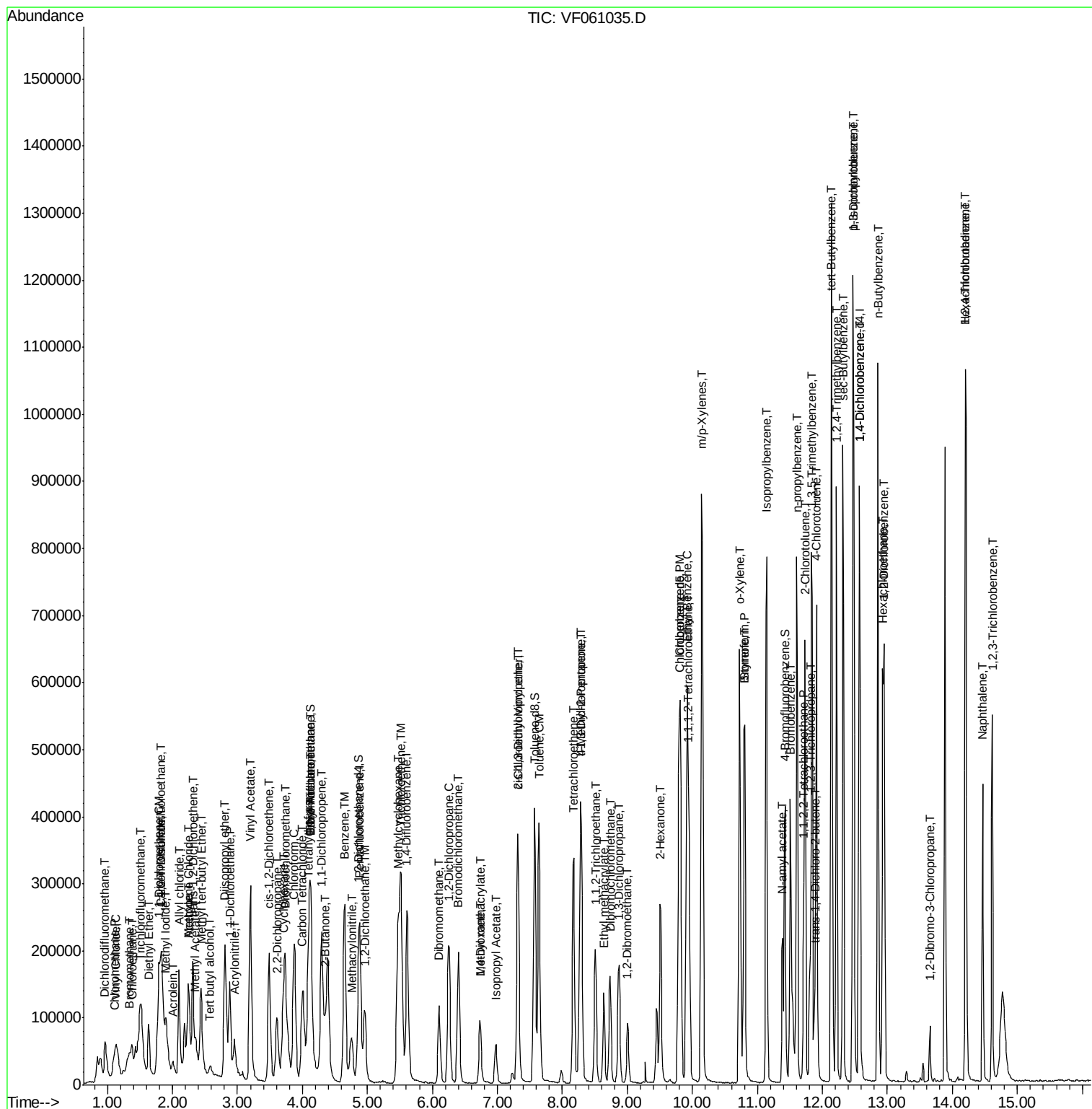
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Data File : VF061035.D
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Operator : VA/AP
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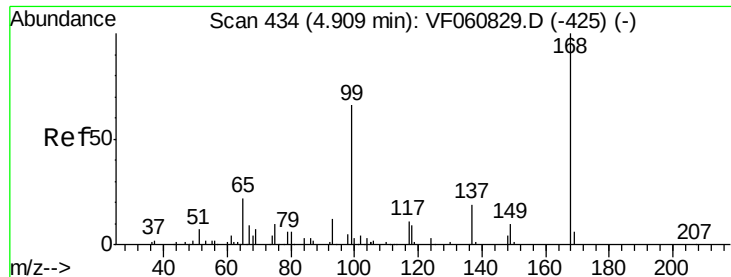
Instrument :
MSVOA_F
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 169421

Ion Ratio Lower Upper

168 100

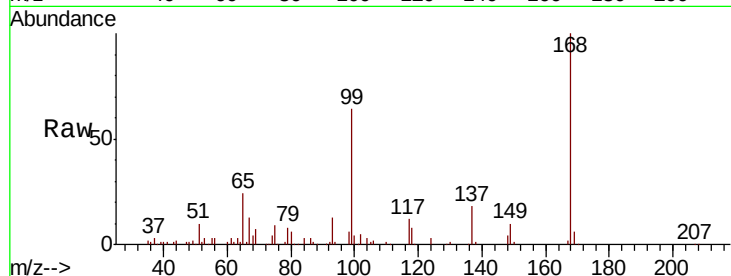
99 64.5 52.6 79.0

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

60000

50000

40000

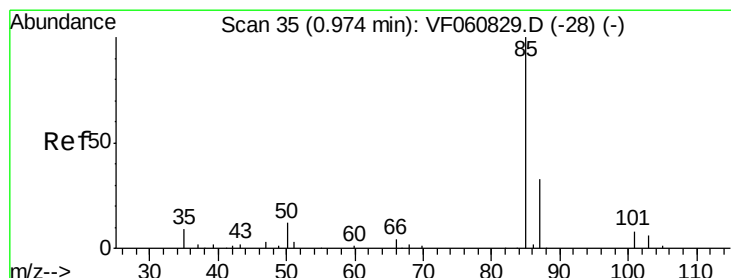
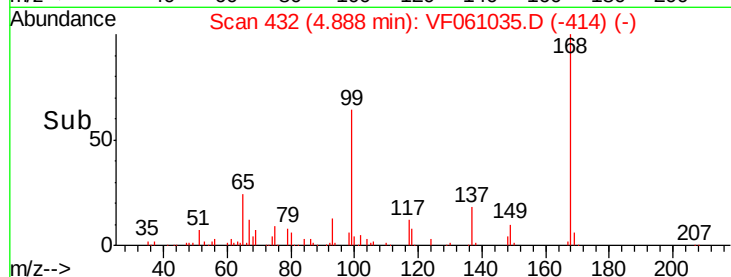
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 42.429 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF061035.D

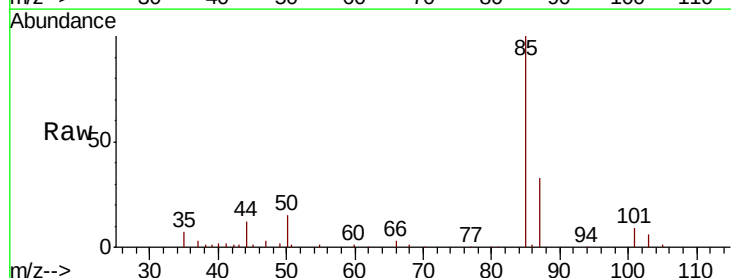
Acq: 17 Dec 2018 11:59

Tgt Ion: 85 Resp: 107482

Ion Ratio Lower Upper

85 100

87 32.6 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

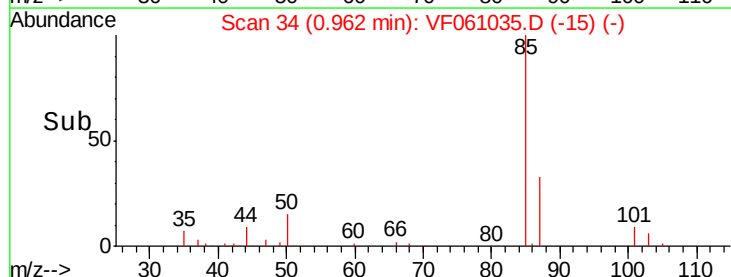
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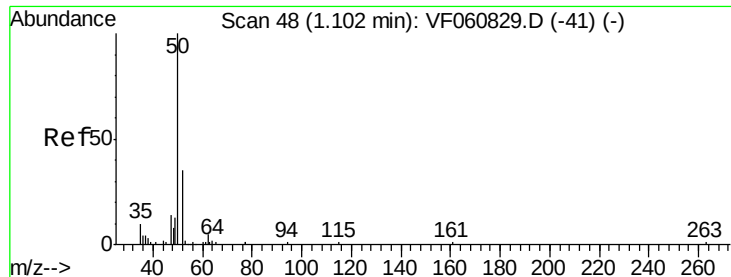
20000

10000

0

Time-->





#3

Chloromethane

Concen: 44.689 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 73665

Ion Ratio Lower Upper

50 100

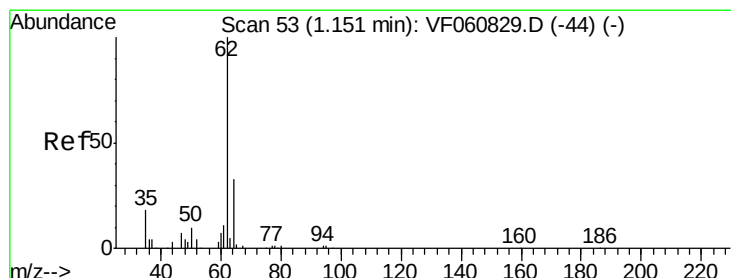
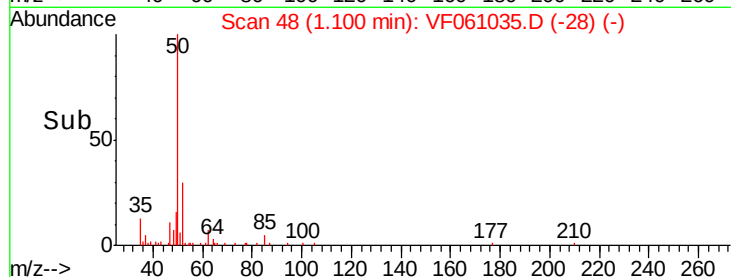
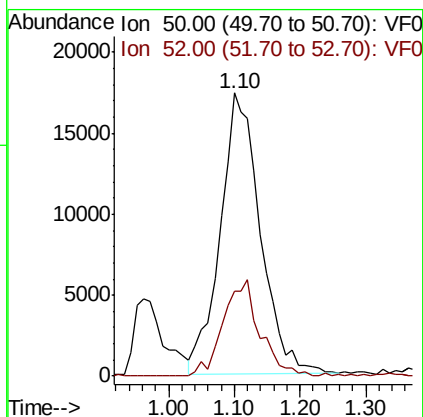
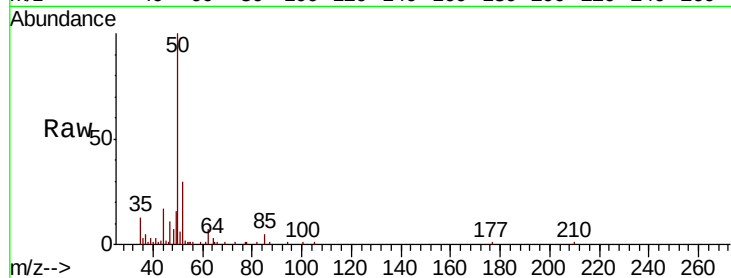
52 30.0 27.0 40.4

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#4

Vinyl Chloride

Concen: 48.719 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF061035.D

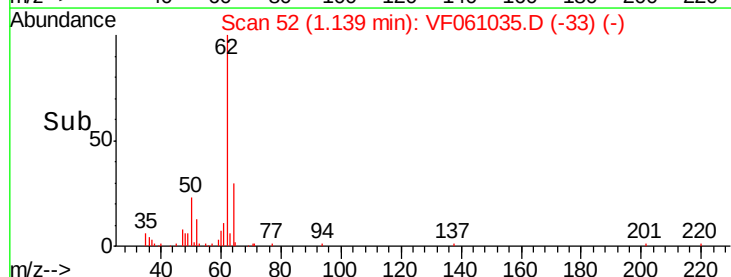
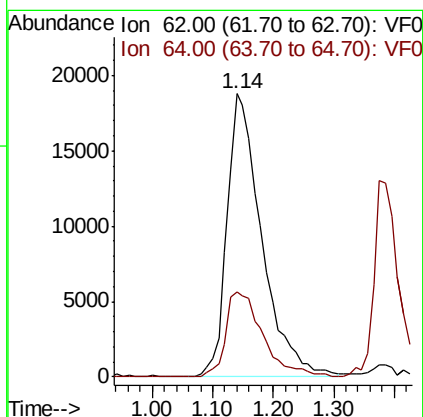
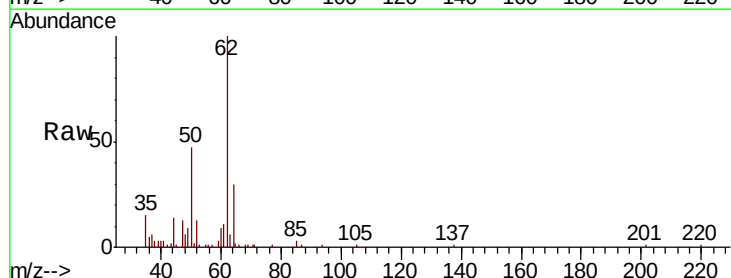
Acq: 17 Dec 2018 11:59

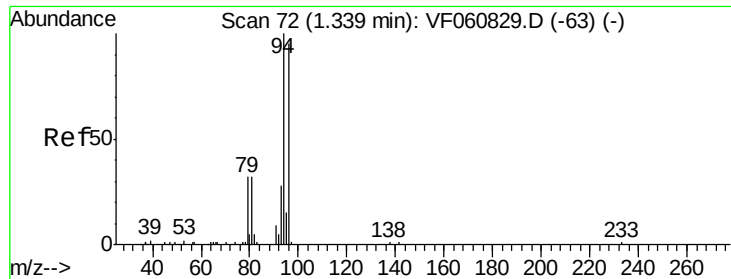
Tgt Ion: 62 Resp: 74910

Ion Ratio Lower Upper

62 100

64 30.2 26.4 39.6





#5

Bromomethane

Concen: 49.204 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 53347

Ion Ratio Lower Upper

94 100

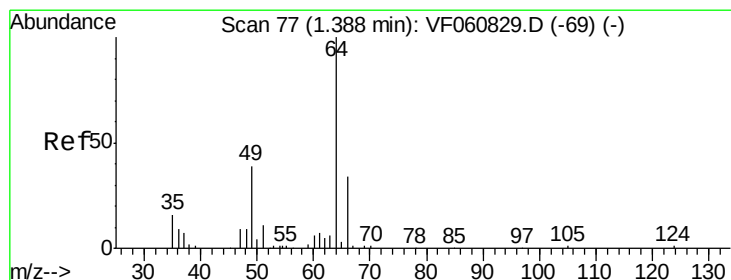
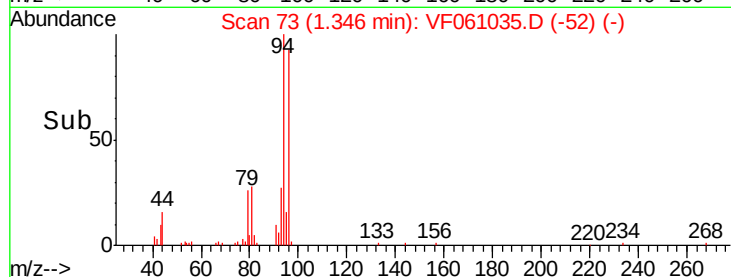
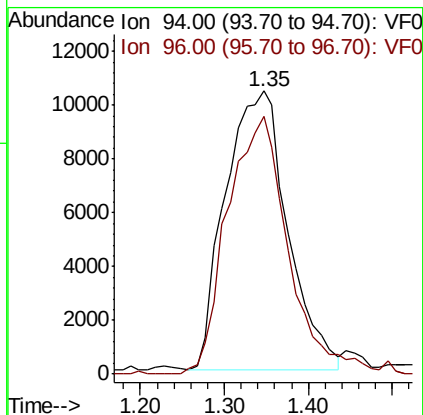
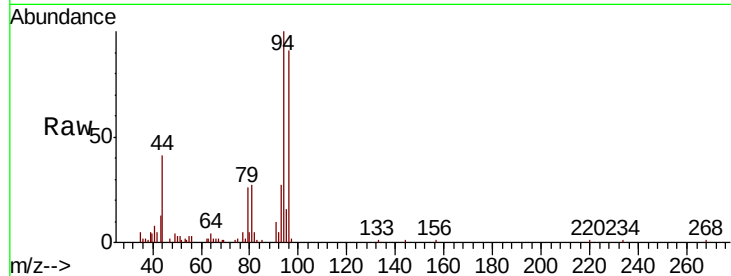
96 91.3 75.9 113.9

Manual Integrations

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#6

Chloroethane

Concen: 54.733 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061035.D

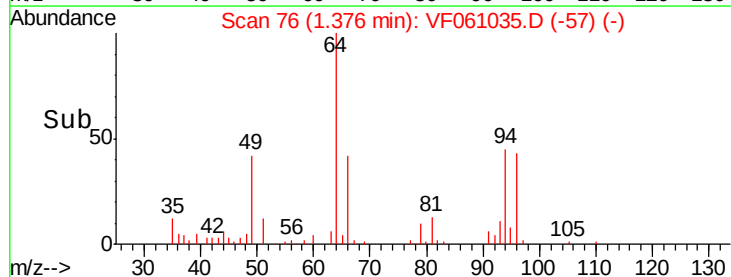
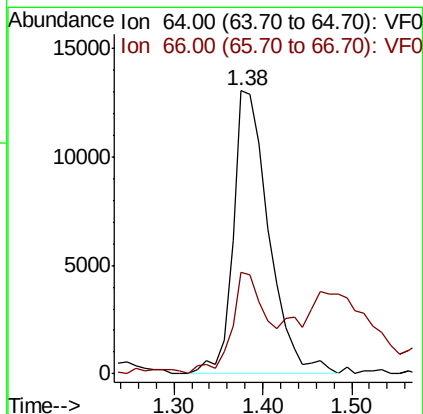
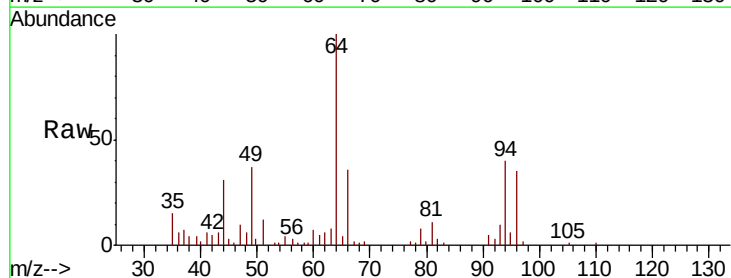
Acq: 17 Dec 2018 11:59

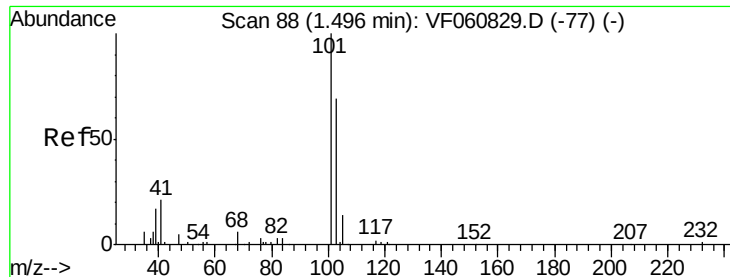
Tgt Ion: 64 Resp: 36378

Ion Ratio Lower Upper

64 100

66 35.7 28.1 42.1





#7

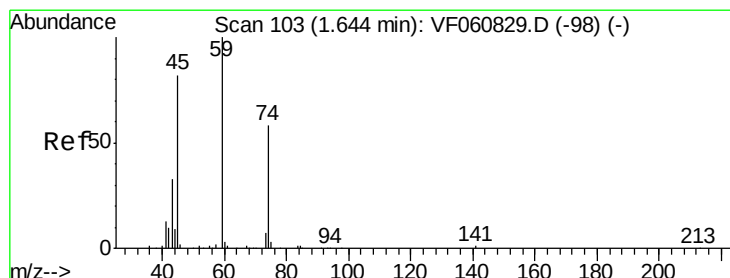
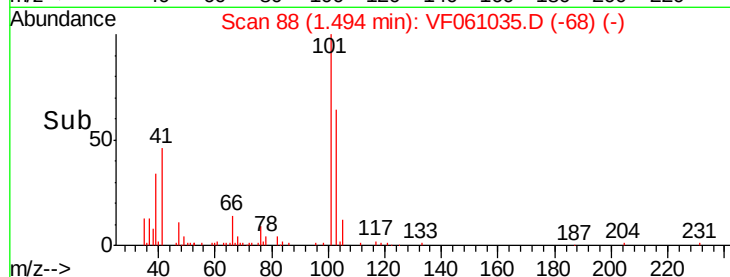
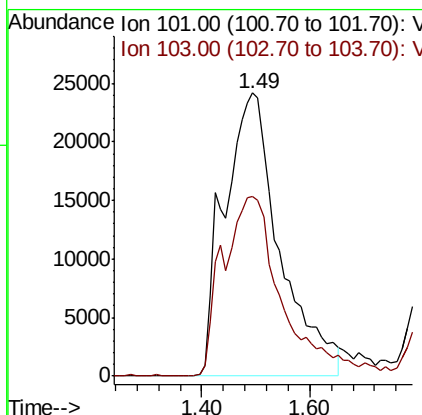
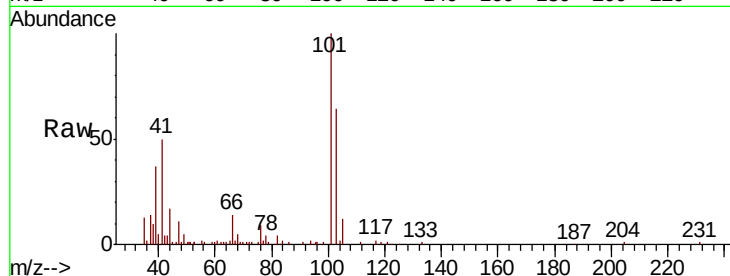
Trichlorofluoromethane
 Concen: 52.266 ug/l
 RT: 1.49 min Scan# 88
 Delta R.T. -0.00 min
 Lab File: VF061035.D
 Acq: 17 Dec 2018 11:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 172425
 Ion Ratio Lower Upper
 101 100
 103 63.6 55.4 83.0

Manual Integrations
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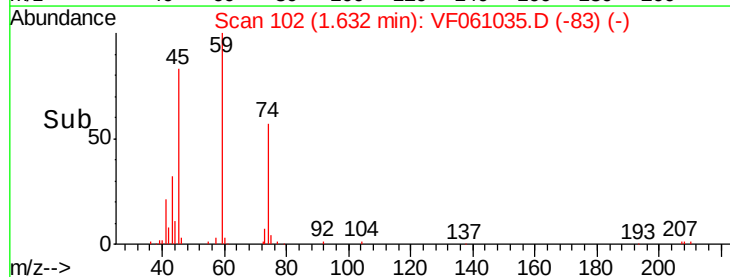
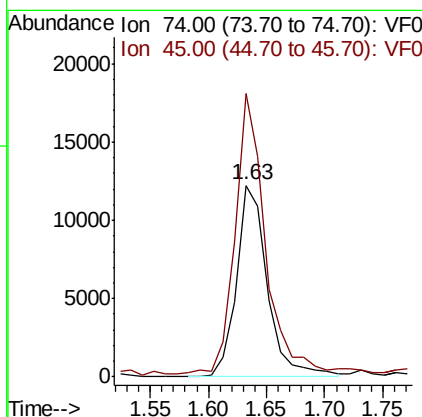
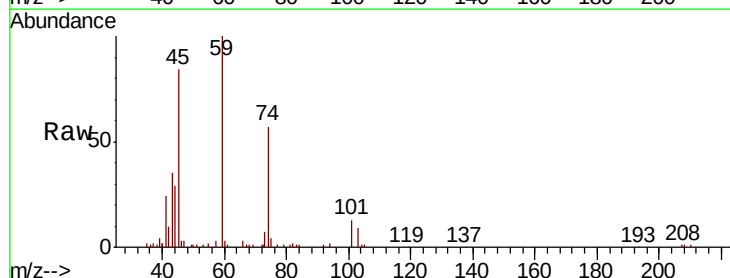
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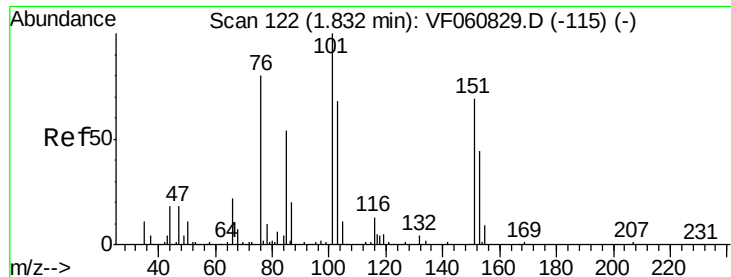


#8

Diethyl Ether
 Concen: 47.416 ug/l
 RT: 1.63 min Scan# 102
 Delta R.T. -0.01 min
 Lab File: VF061035.D
 Acq: 17 Dec 2018 11:59

Tgt Ion: 74 Resp: 22494
 Ion Ratio Lower Upper
 74 100
 45 147.7 71.0 212.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.559 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.00 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :

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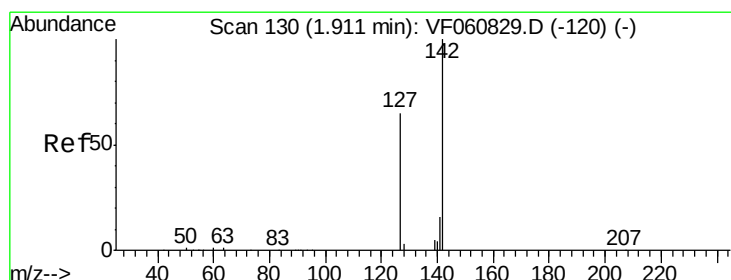
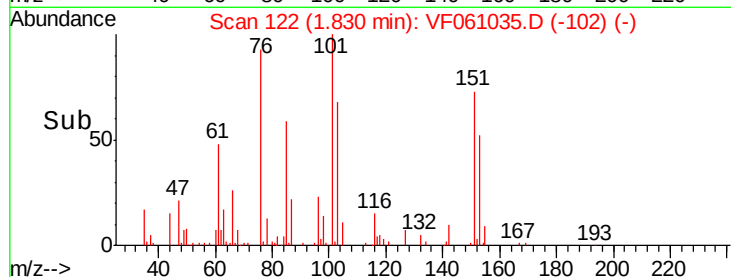
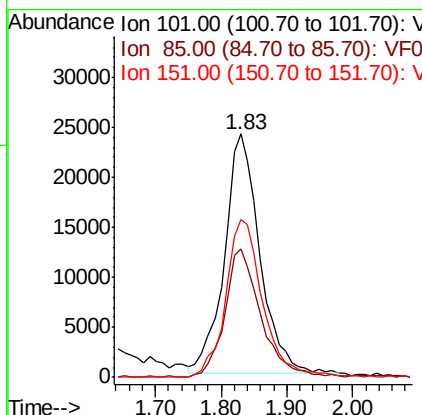
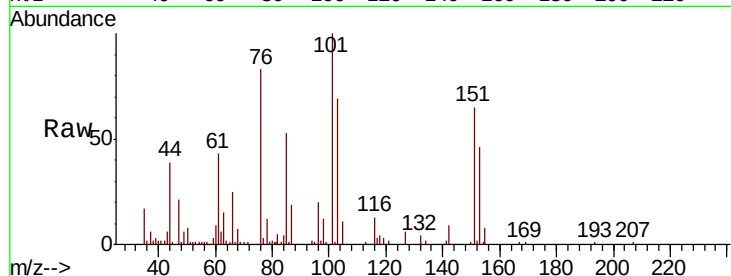
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	89327
Ion Ratio	Lower	Upper	
101	100		
85	52.6	42.8	64.2
151	64.8	54.4	81.6

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#10

Methyl Iodide

Concen: 52.777 ug/l m

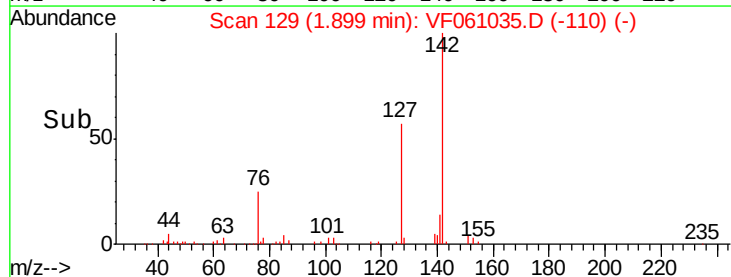
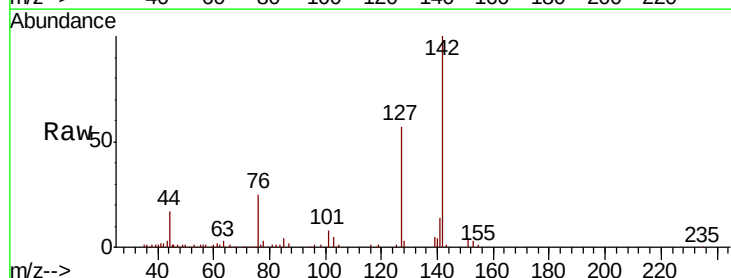
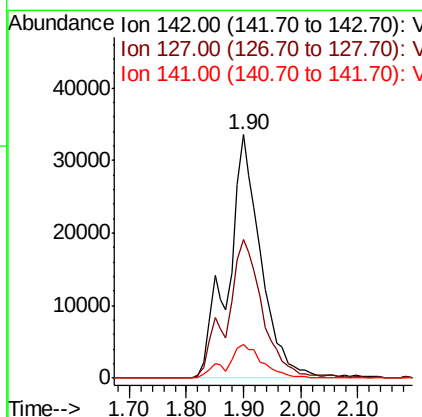
RT: 1.90 min Scan# 129

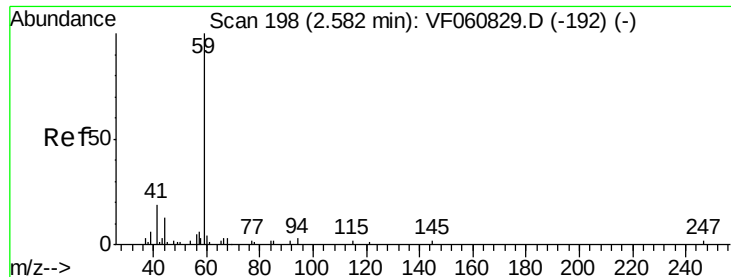
Delta R.T. -0.01 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Tgt Ion:	142	Resp:	133795
Ion Ratio	Lower	Upper	
142	100		
127	57.1	51.9	77.9
141	14.1	12.7	19.1





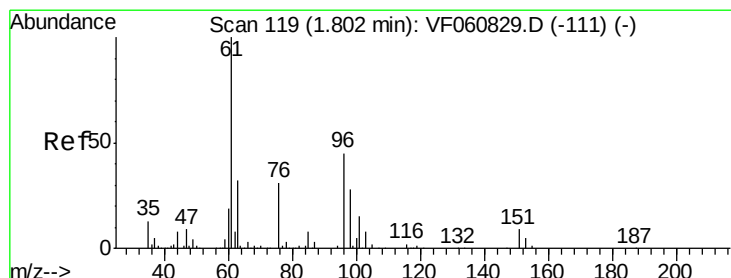
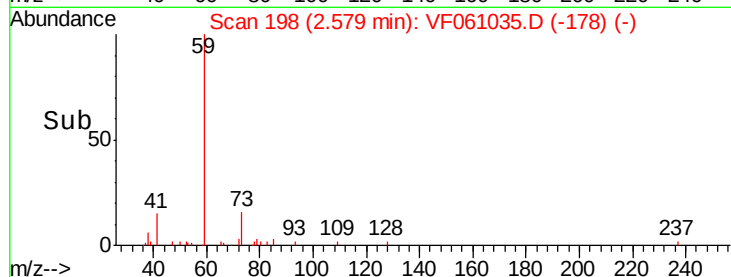
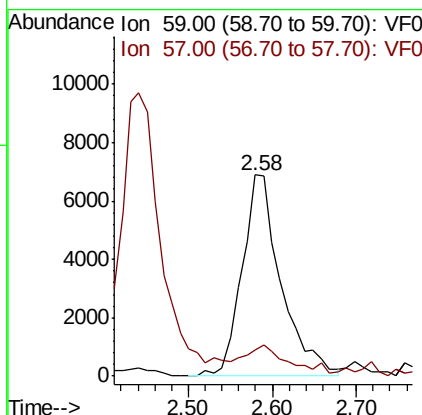
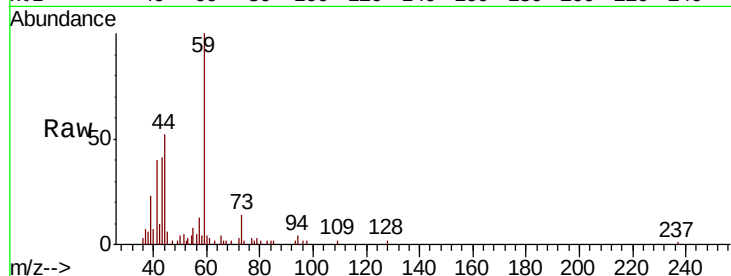
#11
Tert butyl alcohol
Concen: 273.681 ug/l
RT: 2.58 min Scan# 198
Delta R.T. -0.00 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 22391
Ion Ratio Lower Upper
59 100
57 13.3 12.7 19.1

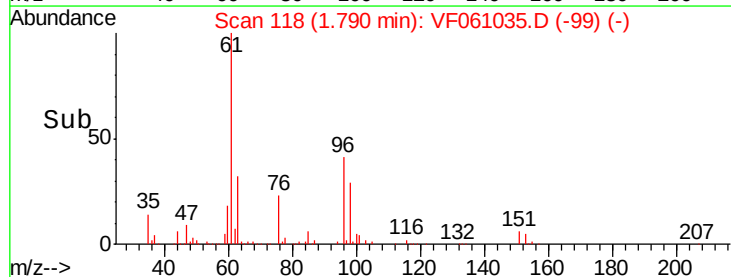
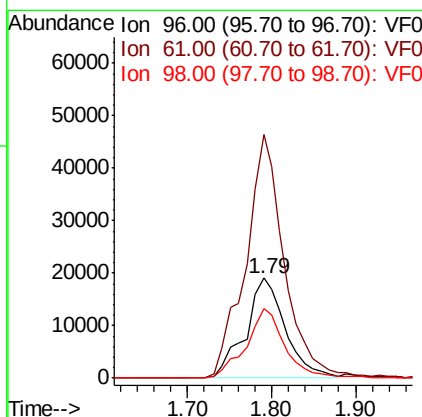
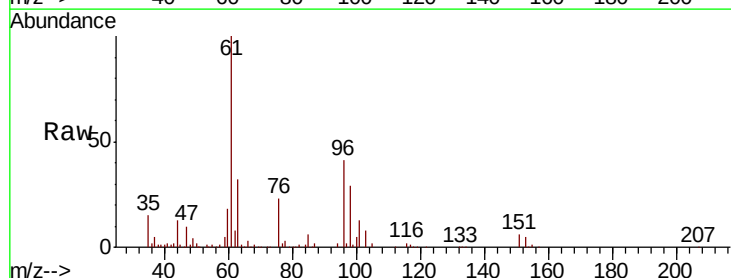
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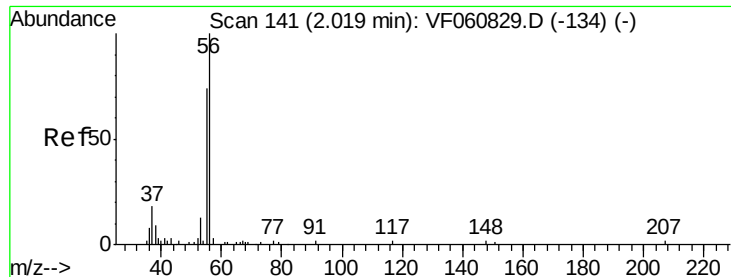
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#12
1,1-Dichloroethene
Concen: 47.401 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Tgt Ion: 96 Resp: 63588
Ion Ratio Lower Upper
96 100
61 244.3 177.3 265.9
98 70.2 49.6 74.4





#13

Acrolein

Concen: 243.472 ug/l

RT: 2.01 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 18873

Ion Ratio Lower Upper

56 100

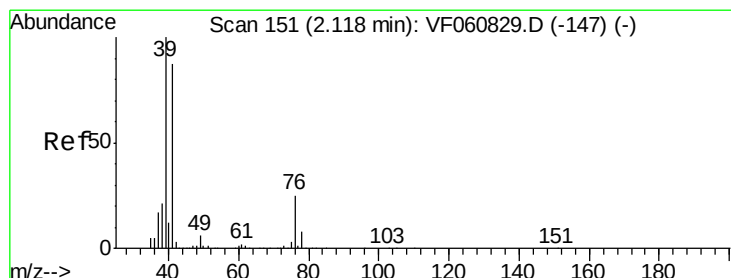
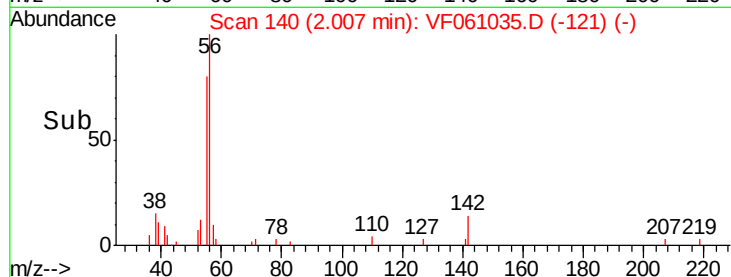
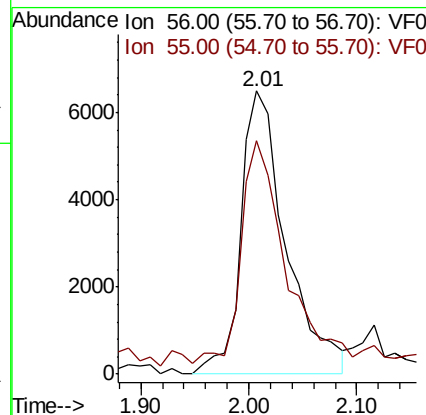
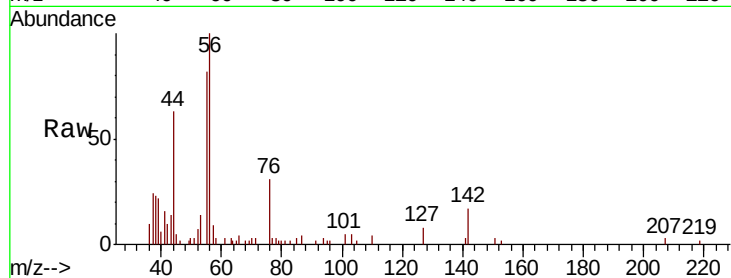
55 82.3 61.2 91.8

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#14

Allyl chloride

Concen: 55.137 ug/l

RT: 2.11 min Scan# 150

Delta R.T. -0.01 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

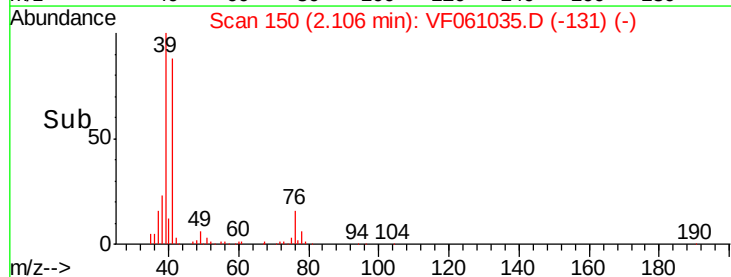
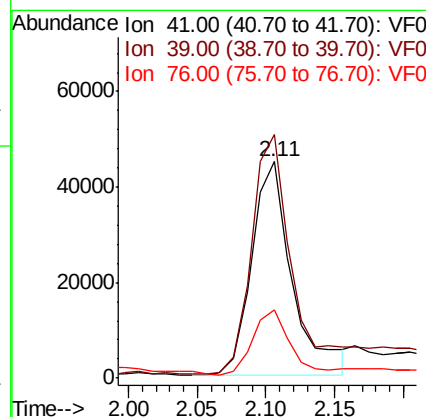
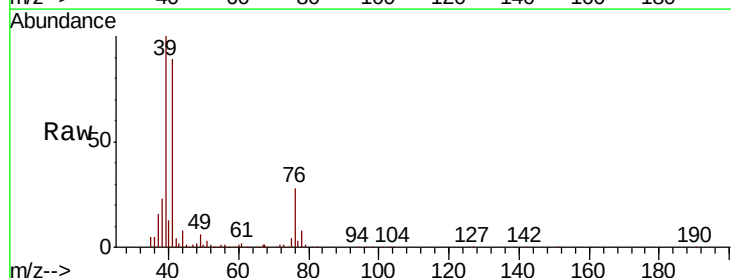
Tgt Ion: 41 Resp: 92191

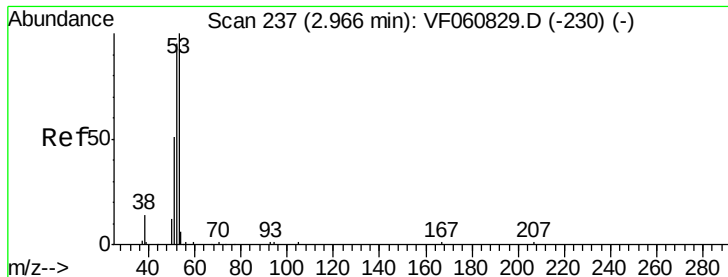
Ion Ratio Lower Upper

41 100

39 112.6 91.7 137.5

76 31.4 23.5 35.3





#15

Acrylonitrile

Concen: 272.690 ug/l

RT: 2.95 min Scan# 236

Delta R.T. -0.01 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :

MSVOA_F

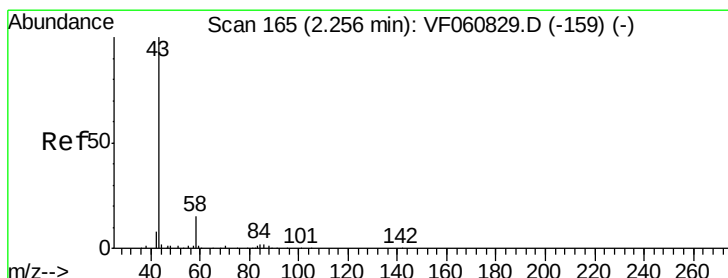
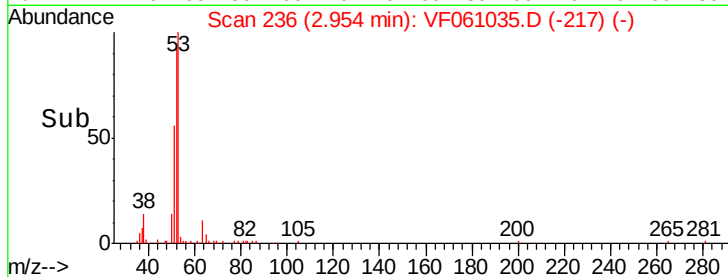
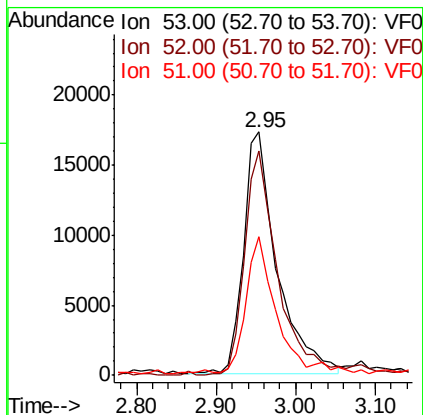
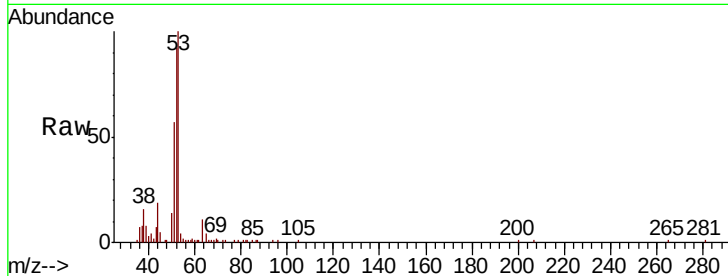
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	50017
Ion	Ratio	Lower	Upper
53	100		
52	92.3	76.5	114.7
51	56.7	40.7	61.1

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#16

Acetone

Concen: 358.205 ug/l

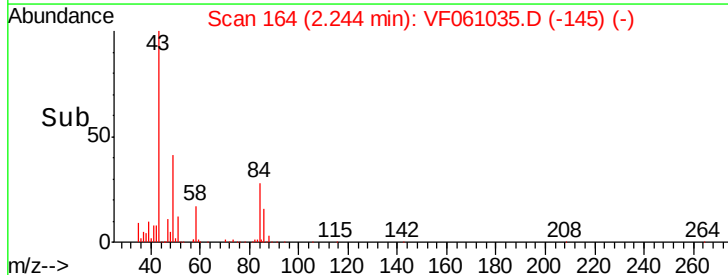
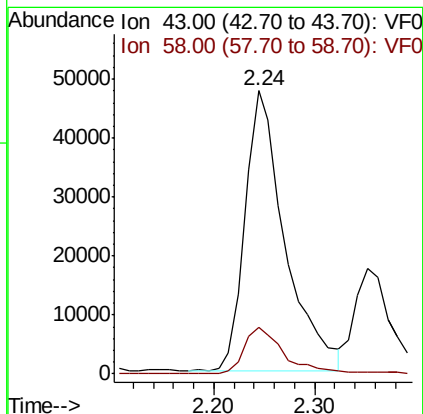
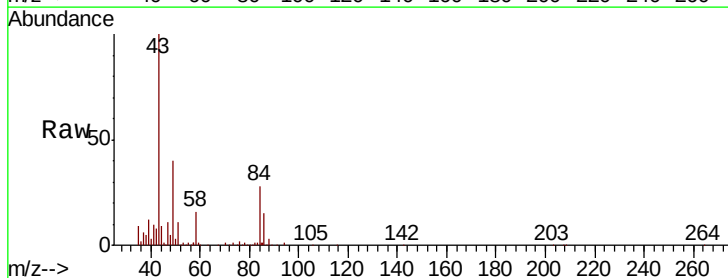
RT: 2.24 min Scan# 164

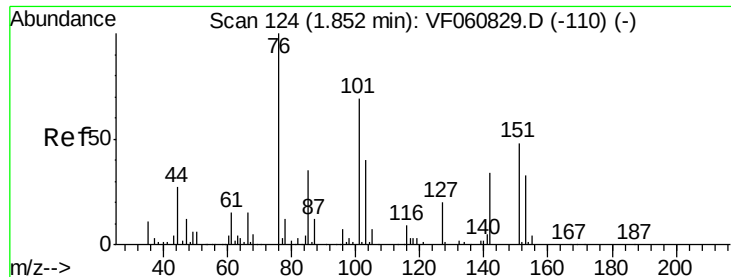
Delta R.T. -0.01 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Tgt Ion:	43	Resp:	131835
Ion	Ratio	Lower	Upper
43	100		
58	16.4	11.4	17.2





#17

Carbon Disulfide

Concen: 41.954 ug/l m

RT: 1.83 min Scan# 122

Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 150902

Ion Ratio Lower Upper

76 100

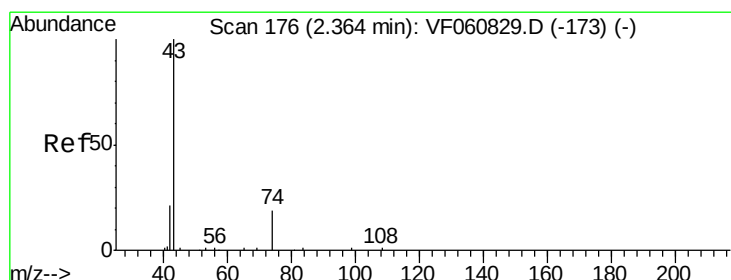
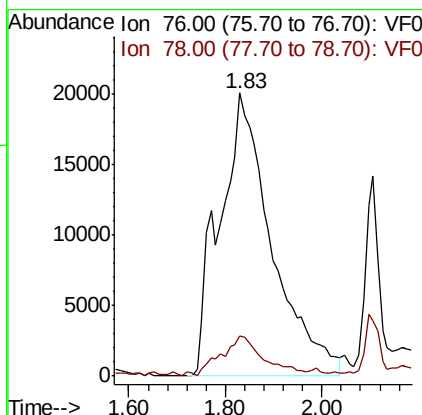
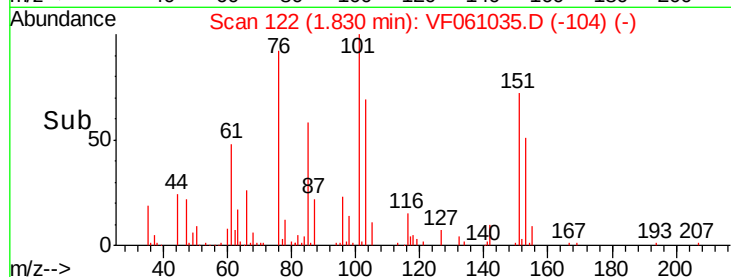
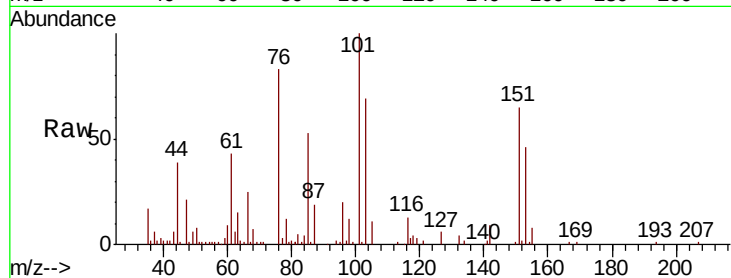
78 14.3 10.2 15.2

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#18

Methyl Acetate

Concen: 60.002 ug/l

RT: 2.35 min Scan# 175

Delta R.T. -0.01 min

Lab File: VF061035.D

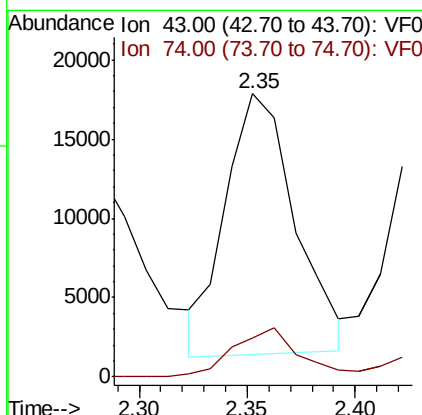
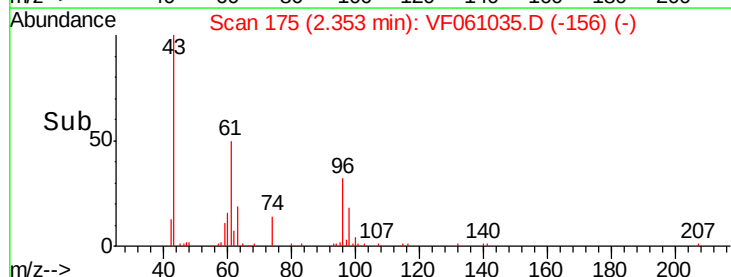
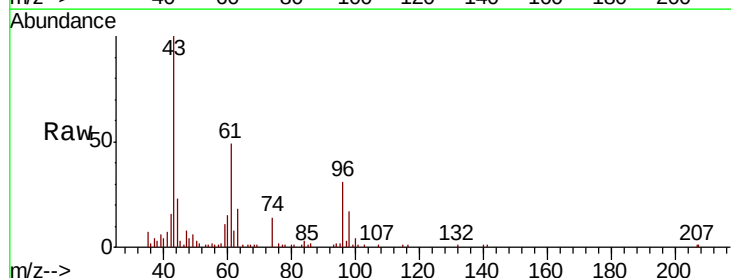
Acq: 17 Dec 2018 11:59

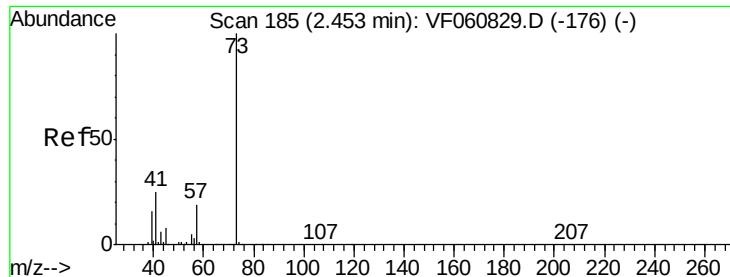
Tgt Ion: 43 Resp: 36845

Ion Ratio Lower Upper

43 100

74 13.9 13.3 19.9





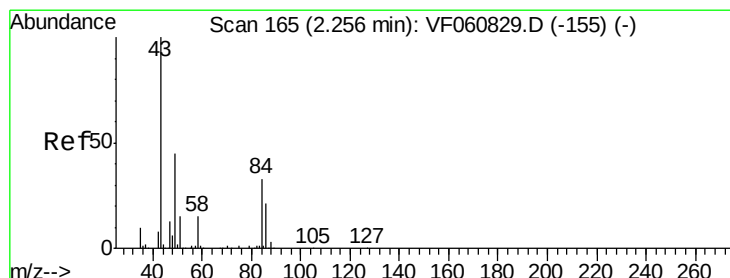
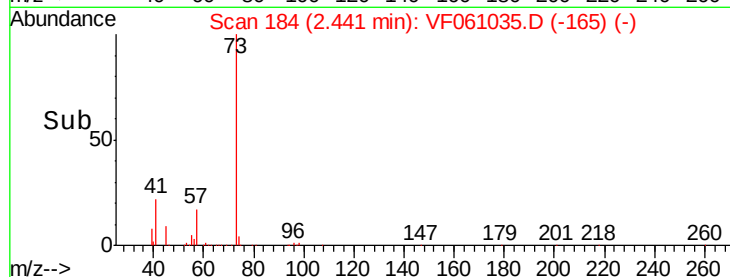
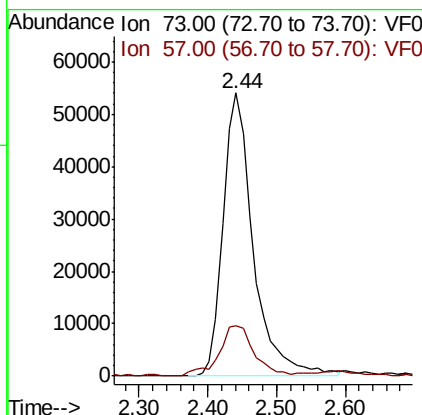
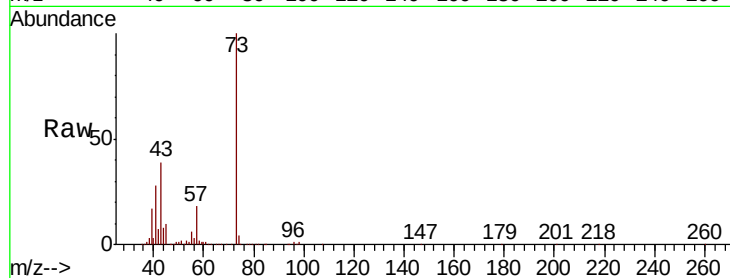
#19
Methyl tert-butyl Ether
Concen: 54.489 ug/l
RT: 2.44 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	73	Resp	164633
Ion Ratio	100	Lower	Upper
73	100	15.3	22.9
57	17.9		

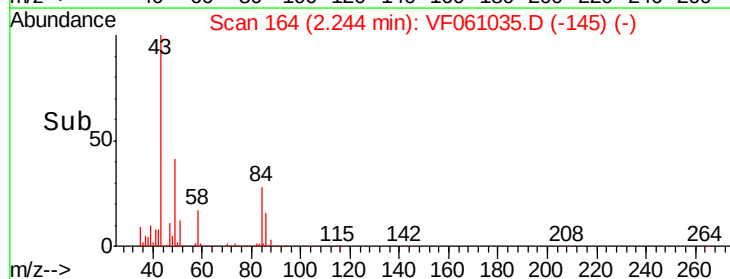
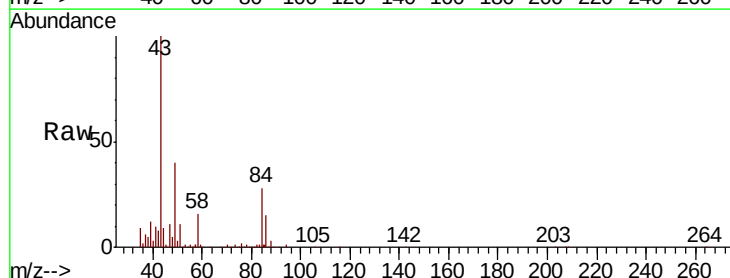
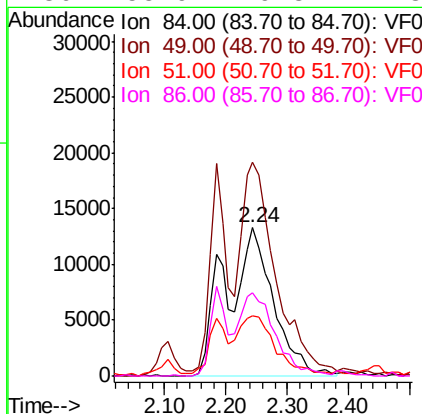
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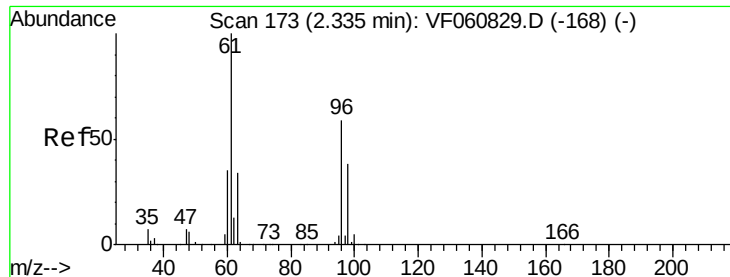
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#20
Methylene Chloride
Concen: 53.278 ug/l m
RT: 2.24 min Scan# 164
Delta R.T. -0.01 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Tgt Ion	84	Resp	71936
Ion Ratio	100	Lower	Upper
84	100	111.3	166.9
49	144.0	38.0	57.0
51	40.9	49.8	74.8
86	55.9		





#21

trans-1,2-Dichloroethene

Concen: 52.959 ug/l

RT: 2.31 min Scan# 171

Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :

MSVOA_F

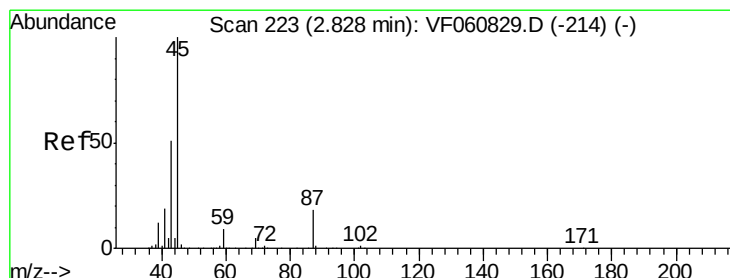
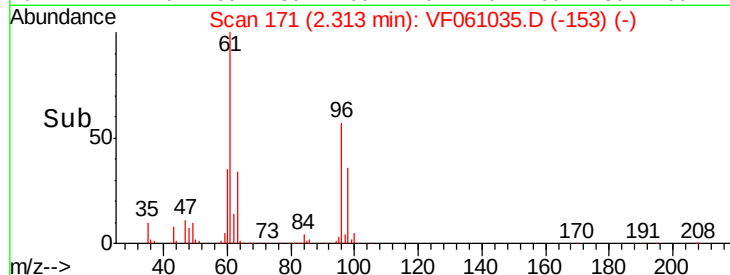
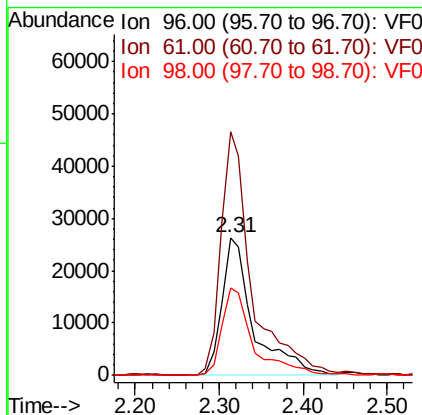
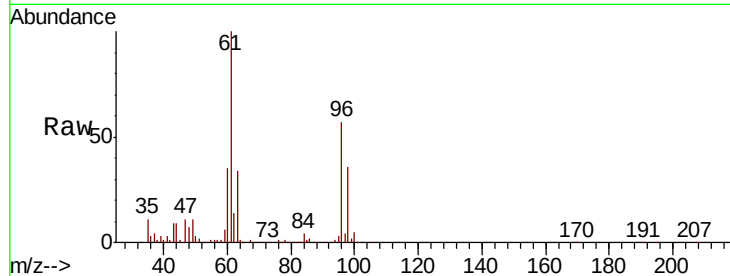
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	68492
Ion	Ratio	Lower	Upper
96	100		
61	176.7	134.5	201.7
98	63.6	51.6	77.4

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#22

Diisopropyl ether

Concen: 54.676 ug/l

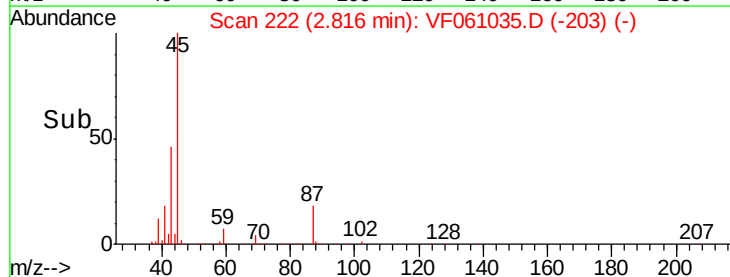
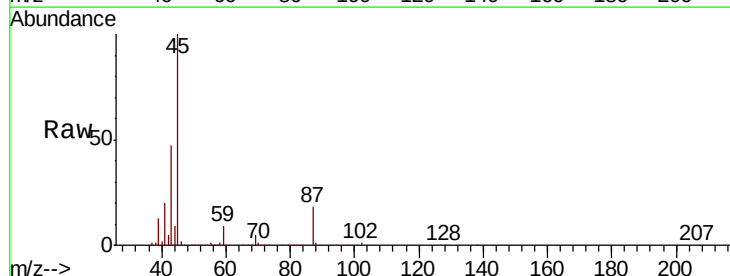
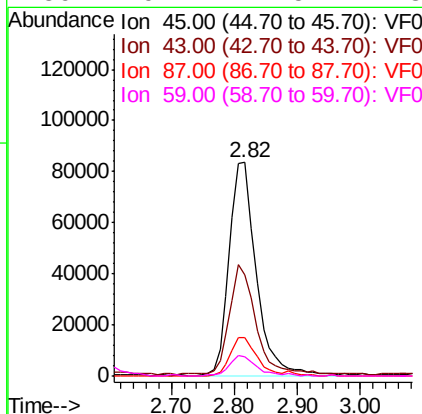
RT: 2.82 min Scan# 222

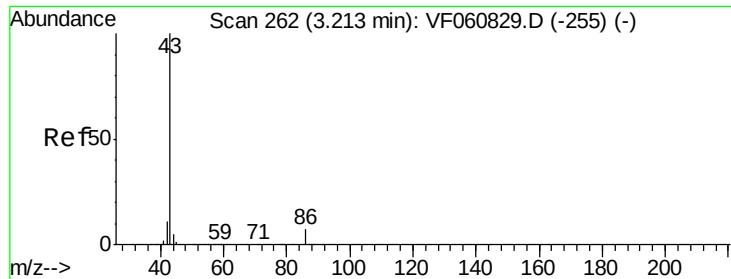
Delta R.T. -0.01 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Tgt Ion:	45	Resp:	248844
Ion	Ratio	Lower	Upper
45	100		
43	47.3	41.0	61.6
87	18.1	14.6	22.0
59	9.2	7.5	11.3





#23

Vinyl Acetate

Concen: 283.172 ug/l

RT: 3.20 min Scan# 261

Delta R.T. -0.01 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 589122

Ion Ratio Lower Upper

43 100

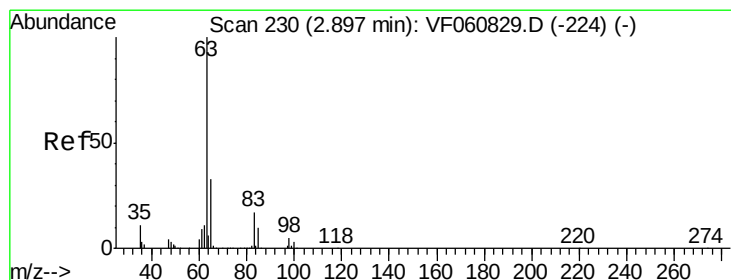
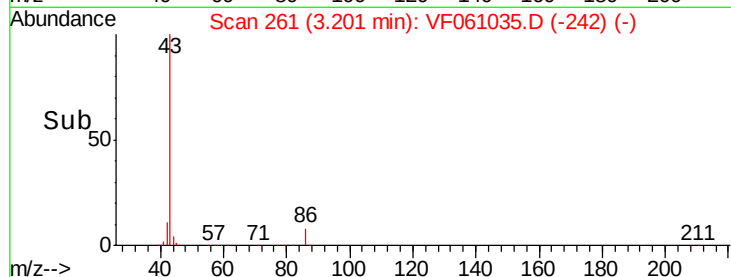
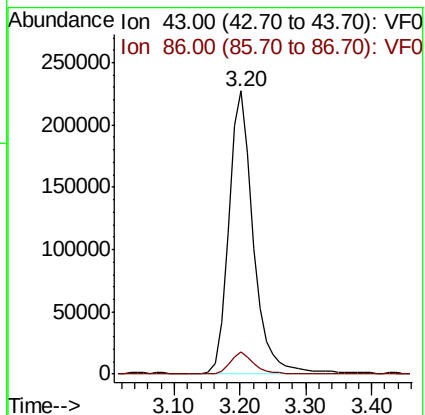
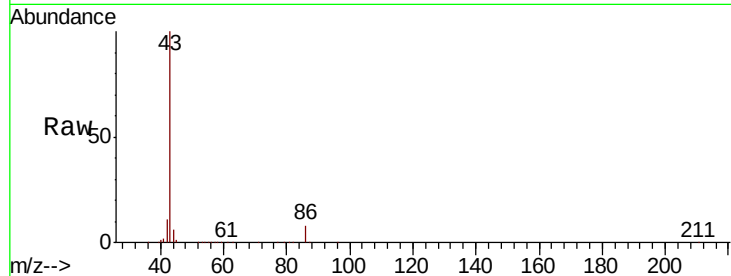
86 7.7 5.4 8.0

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#24

1,1-Dichloroethane

Concen: 56.577 ug/l

RT: 2.89 min Scan# 229

Delta R.T. -0.01 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

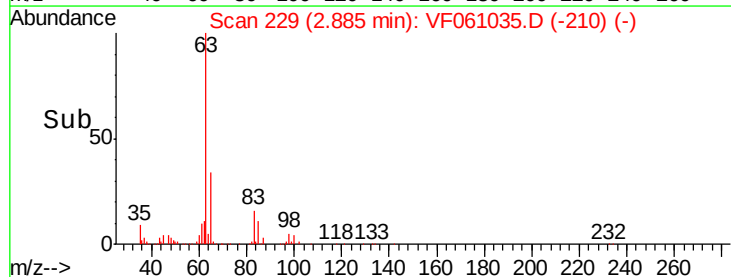
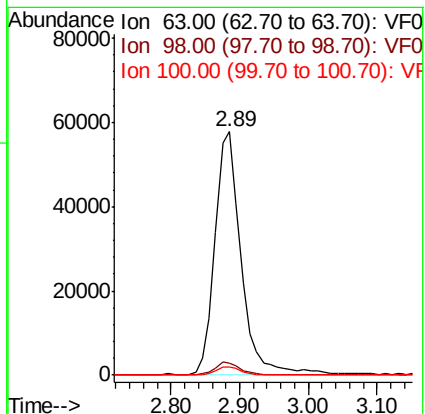
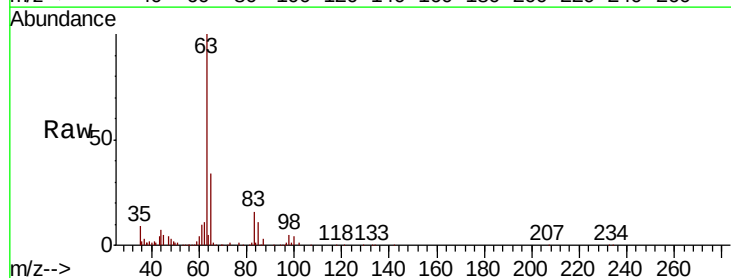
Tgt Ion: 63 Resp: 153203

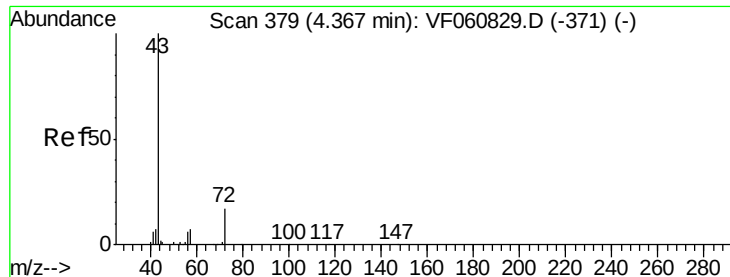
Ion Ratio Lower Upper

63 100

98 4.9 2.7 8.1

100 3.6 1.5 4.5





#25

2-Butanone

Concen: 284.387 ug/l

RT: 4.35 min Scan# 377

Delta R.T. -0.02 min

Lab File: VF061035.D

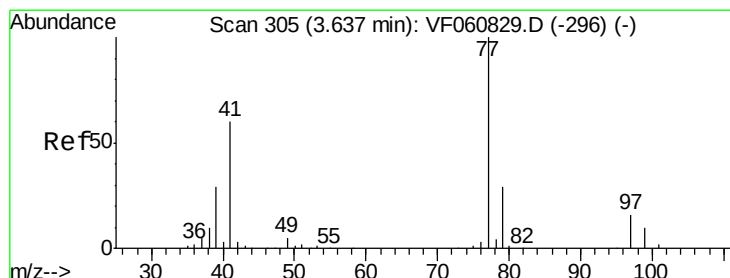
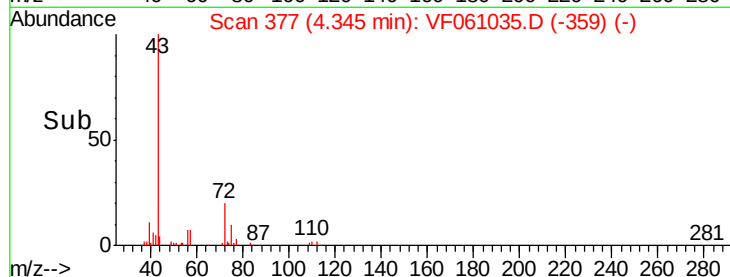
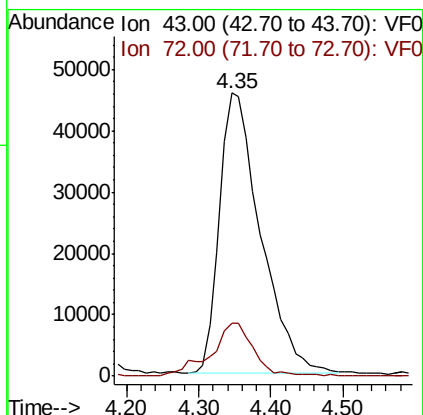
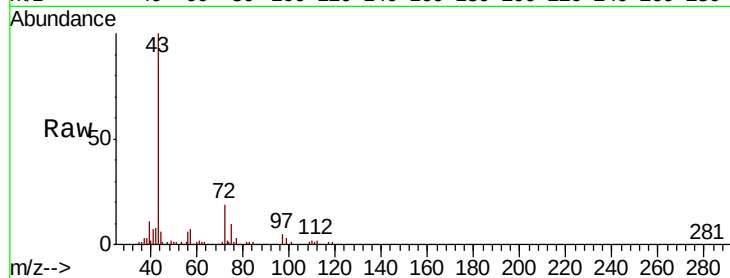
Acq: 17 Dec 2018 11:59

Tot Ion	43	Resp	181037
Ion Ratio	100	Lower	Upper
72	18.6	15.4	23.2

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

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#26

2,2-Dichloropropane

Concen: 54.176 ug/l

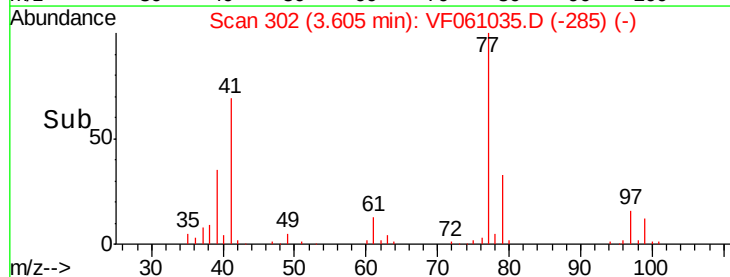
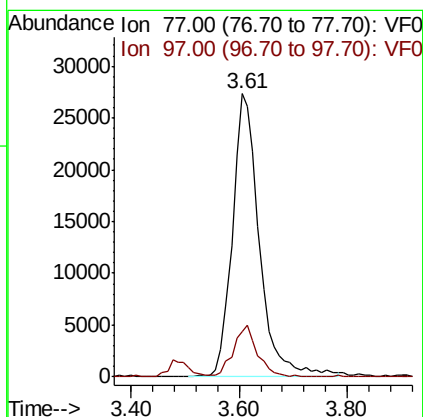
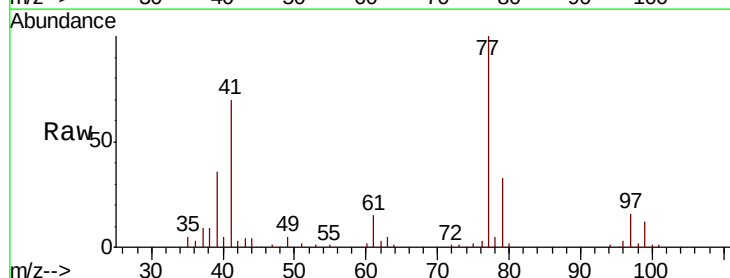
RT: 3.61 min Scan# 302

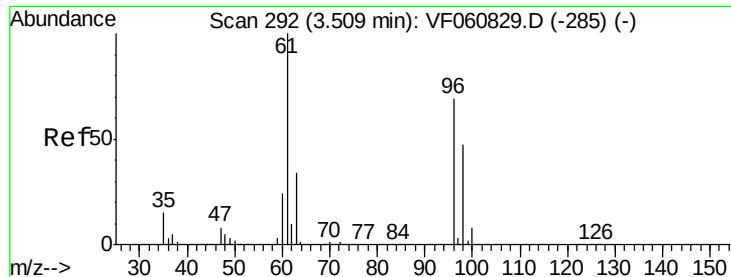
Delta R.T. -0.03 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Tgt Ion	77	Resp	95107
Ion Ratio	100	Lower	Upper
97	16.1	8.6	25.8





#27

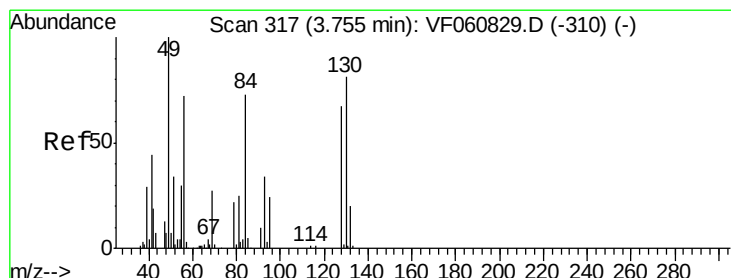
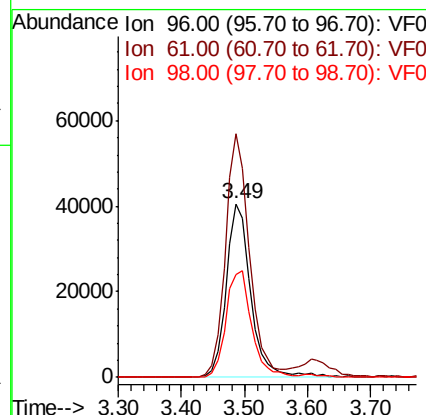
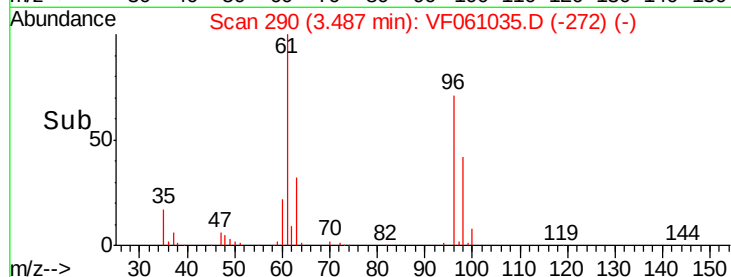
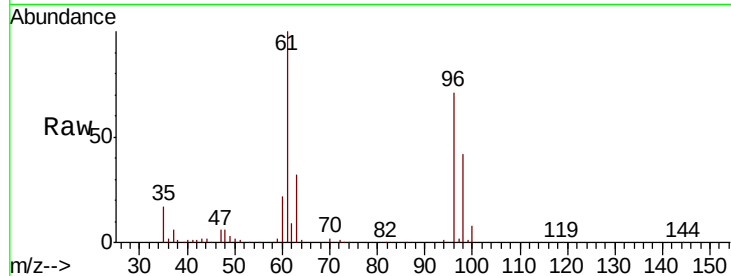
cis-1,2-Dichloroethene
Concen: 52.265 ug/l
RT: 3.49 min Scan# 290
Delta R.T. -0.02 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	140.4	0.0	290.6	
98	59.3	0.0	137.8	

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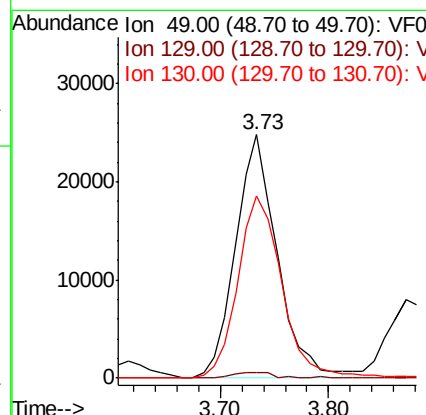
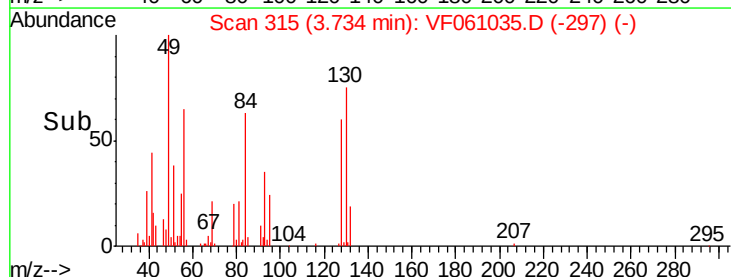
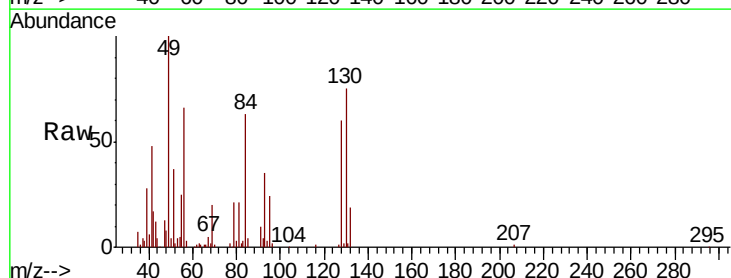
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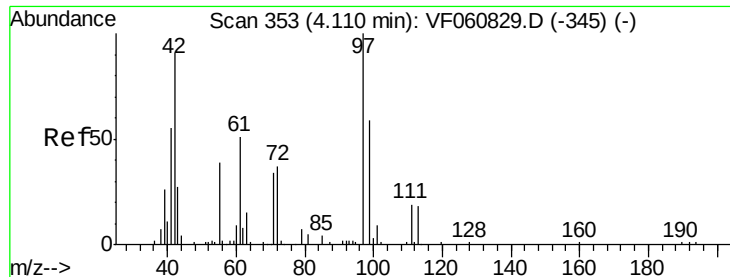


#28

Bromochloromethane
Concen: 51.021 ug/l
RT: 3.73 min Scan# 315
Delta R.T. -0.02 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	4.4	
130	75.0	64.2	96.4	





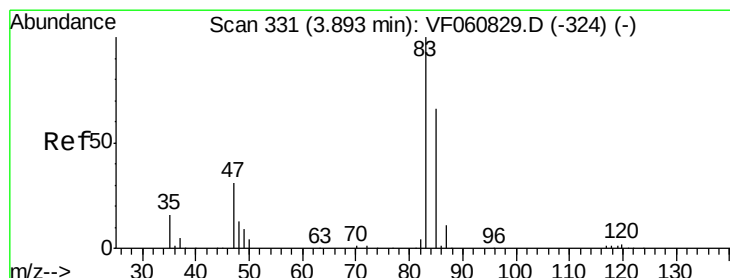
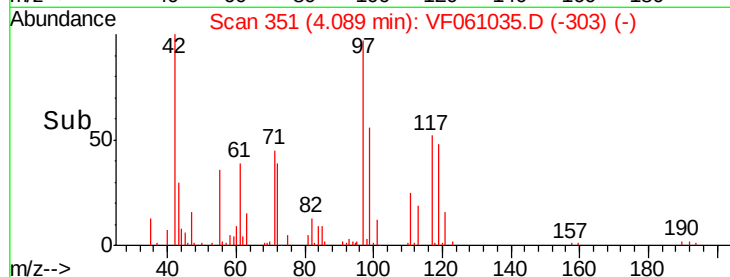
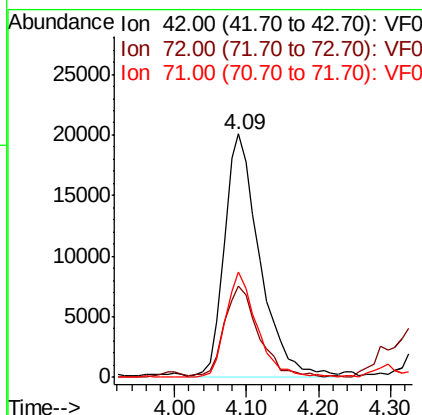
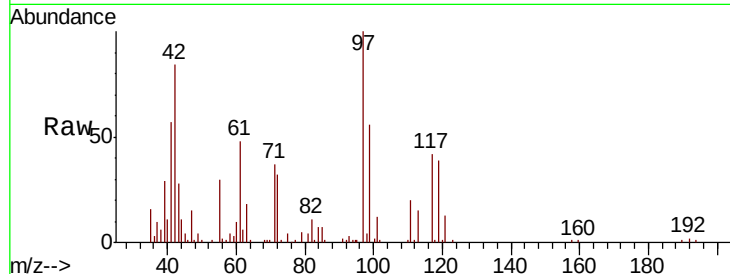
#29
Tetrahydrofuran
Concen: 254.529 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.02 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.3	31.9	47.9
71	38.3	28.7	43.1

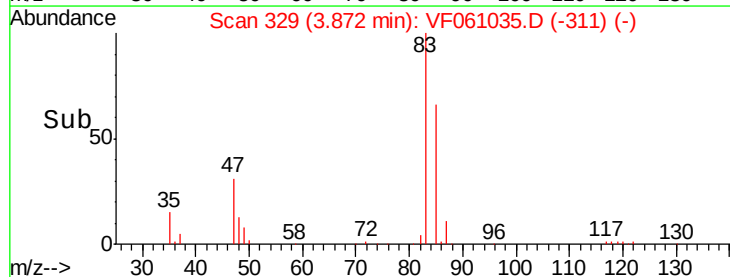
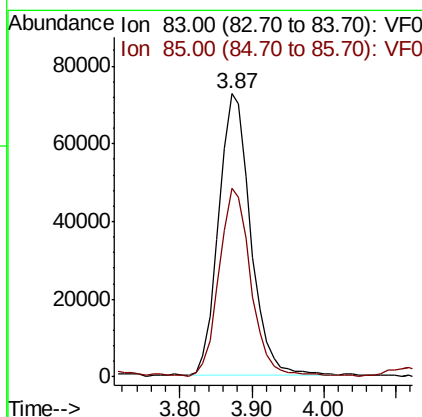
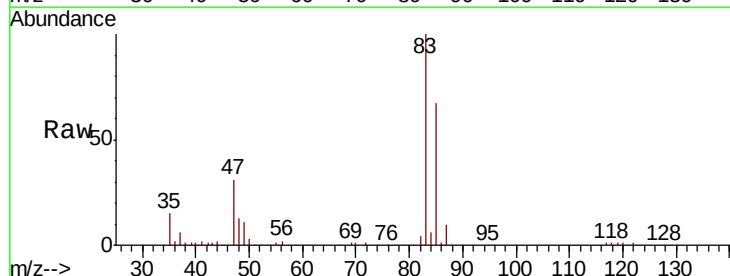
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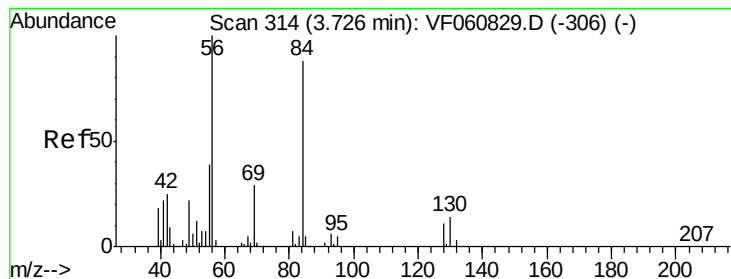
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#30
Chloroform
Concen: 53.518 ug/l
RT: 3.87 min Scan# 329
Delta R.T. -0.02 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	53.4	80.2





#31

Cyclohexane

Concen: 46.092 ug/l

RT: 3.70 min Scan# 312

Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :

MSVOA_F

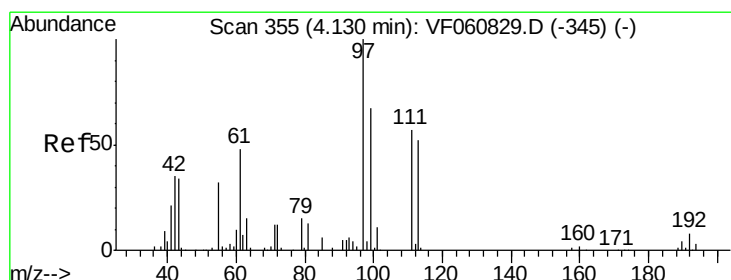
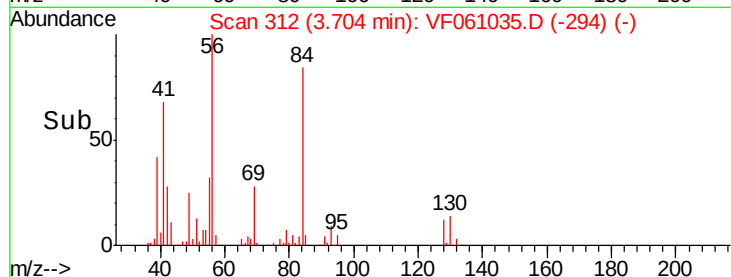
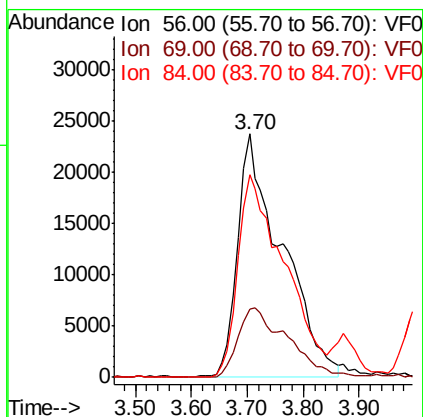
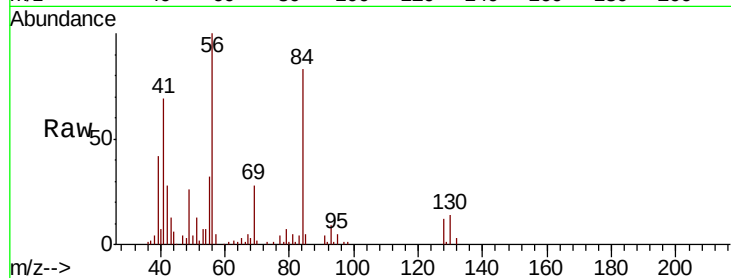
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	129529
Ion Ratio	Lower	Upper	
56	100		
69	27.8	23.0	34.4
84	83.4	70.4	105.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 54.876 ug/l

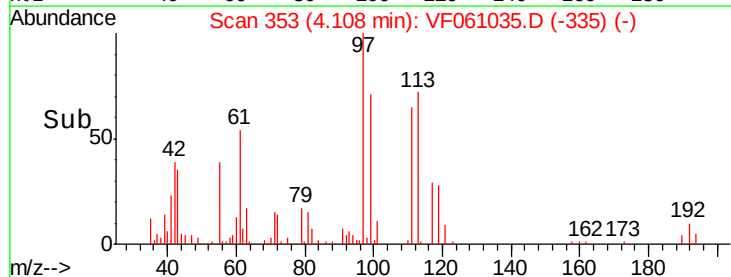
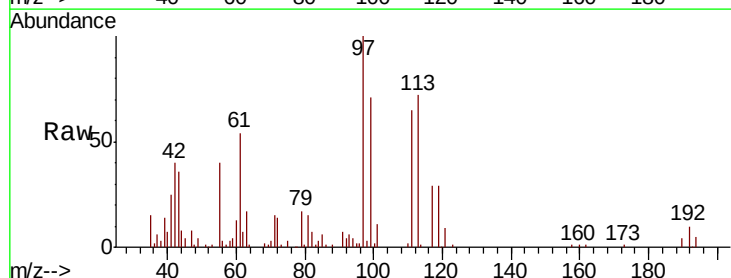
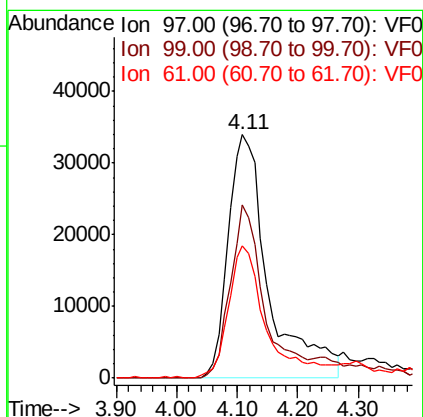
RT: 4.11 min Scan# 353

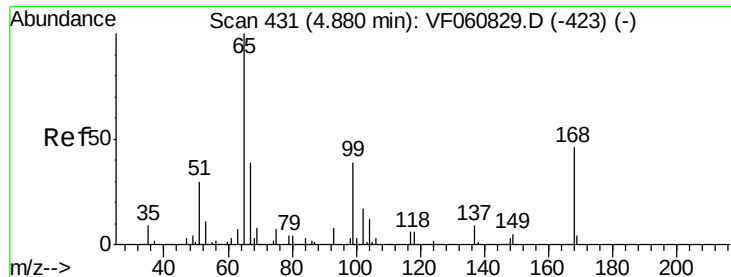
Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Tgt Ion:	97	Resp:	158605
Ion Ratio	Lower	Upper	
97	100		
99	71.0	53.5	80.3
61	54.3	38.6	58.0





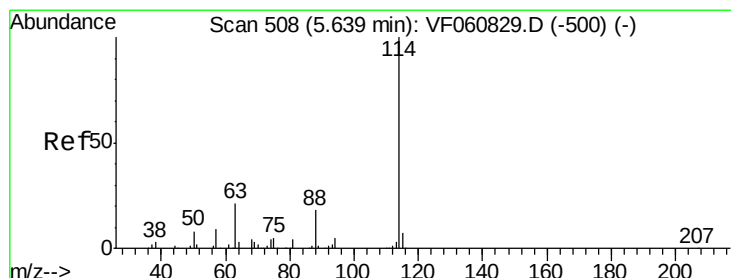
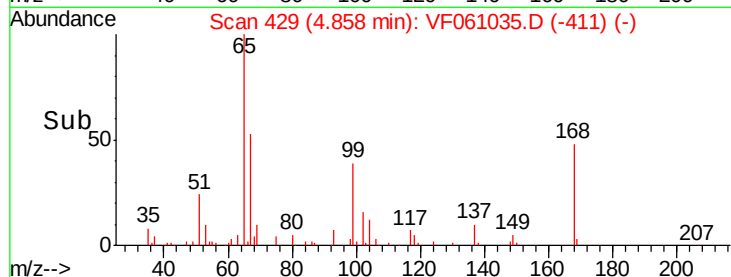
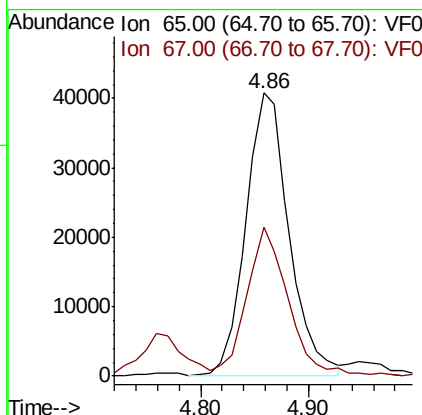
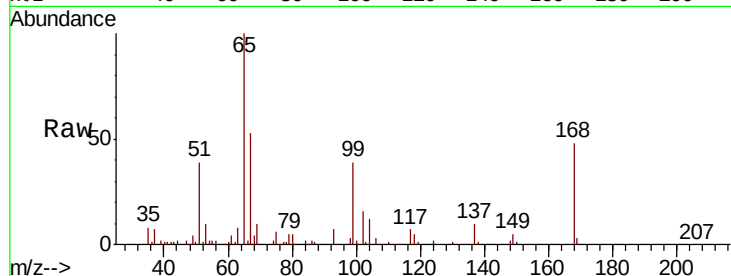
#33
 1,2-Dichloroethane-d4
 Concen: 56.296 ug/l
 RT: 4.86 min Scan# 429
 Delta R.T. -0.02 min
 Lab File: VF061035.D
 Acq: 17 Dec 2018 11:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	112358		
67	52.8	0.0	96.4	

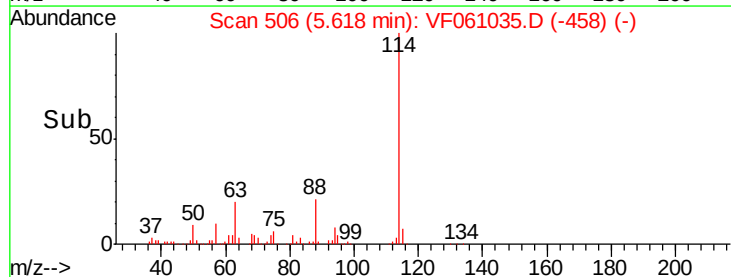
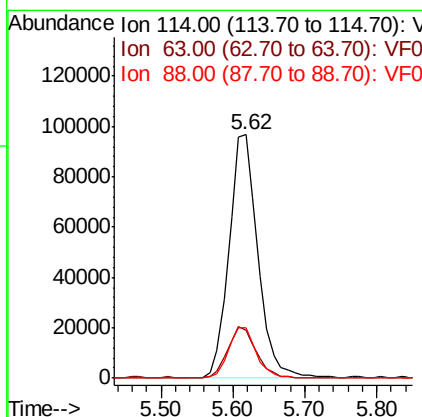
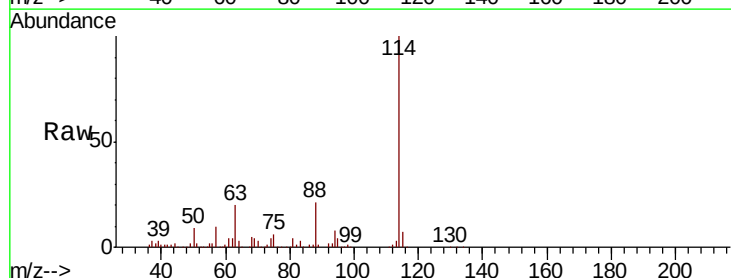
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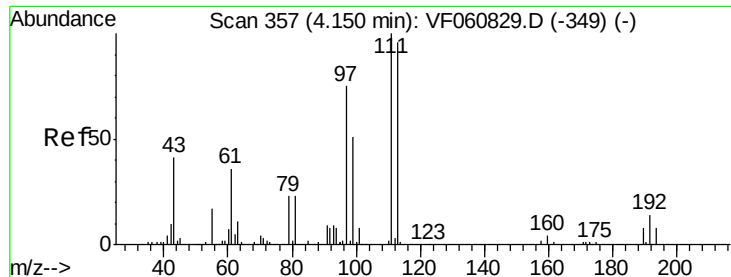
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.62 min Scan# 506
 Delta R.T. -0.02 min
 Lab File: VF061035.D
 Acq: 17 Dec 2018 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	270400		
63	19.7	0.0	41.6	
88	20.6	0.0	36.6	





#35

Dibromofluoromethane

Concen: 56.380 ug/l

RT: 4.13 min Scan# 355

Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :

MSVOA_F

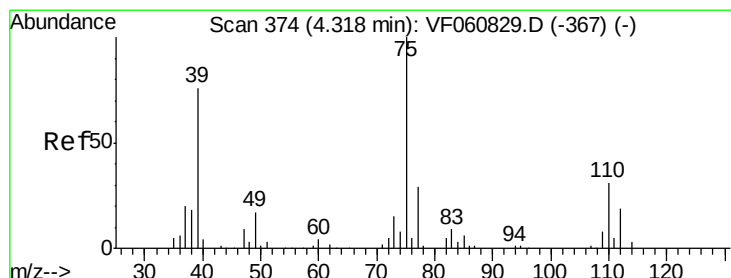
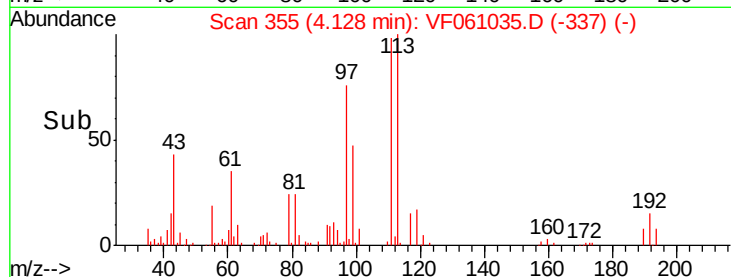
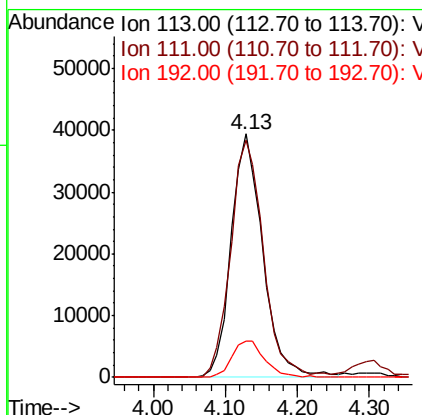
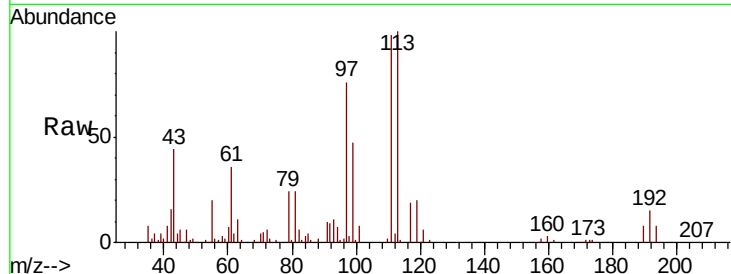
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	120944
Ion Ratio	Lower	Upper	
113	100		
111	97.7	83.0	124.6
192	15.5	12.3	18.5

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 50.365 ug/l

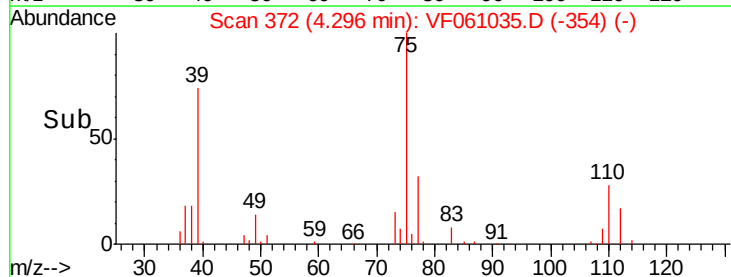
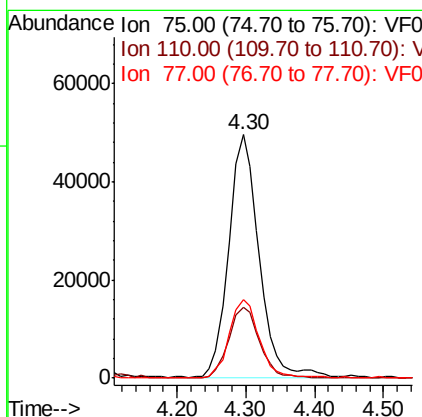
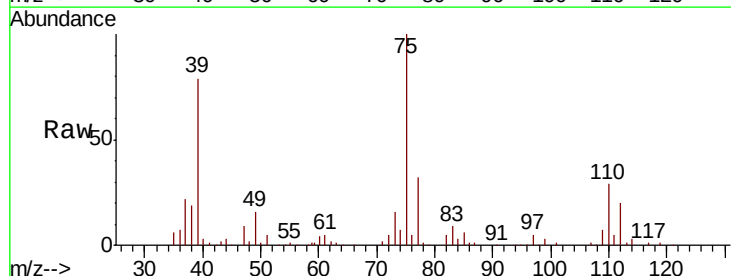
RT: 4.30 min Scan# 372

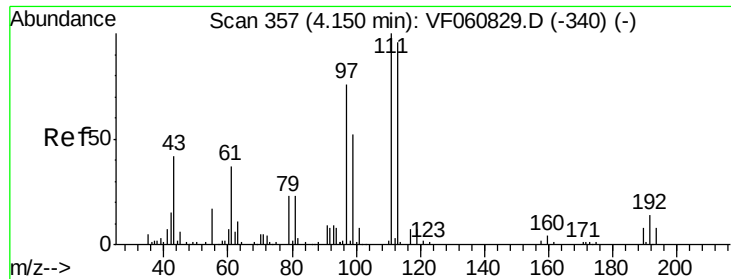
Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Tgt Ion:	75	Resp:	151053
Ion Ratio	Lower	Upper	
75	100		
110	29.2	15.6	46.8
77	32.4	23.4	35.0





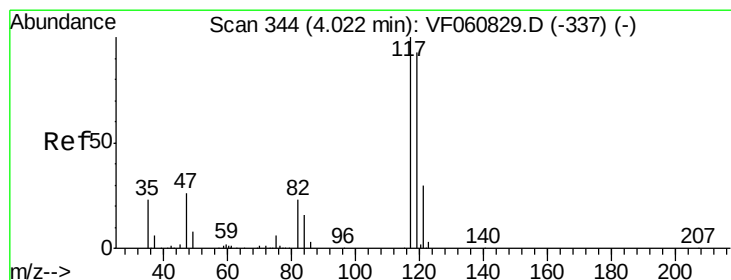
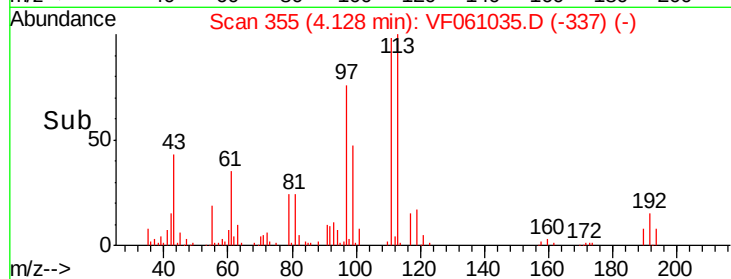
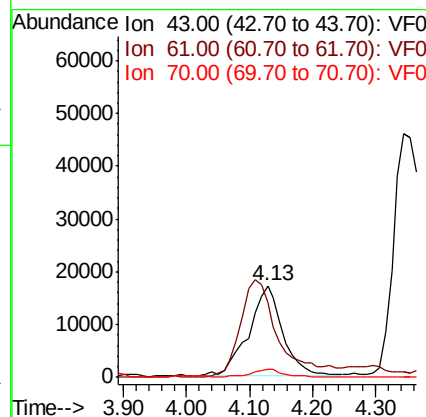
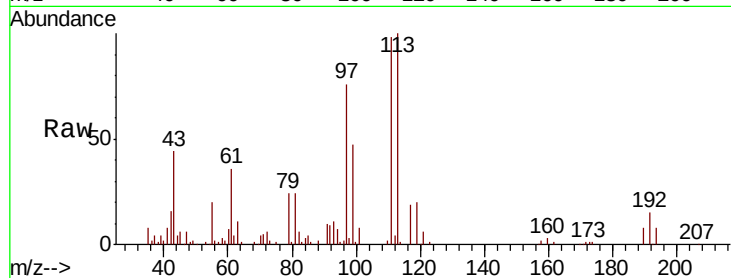
#37
Ethyl Acetate
Concen: 53.235 ug/l
RT: 4.13 min Scan# 355
Delta R.T. -0.02 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	81.1	68.6	103.0
70	8.8	9.0	13.4

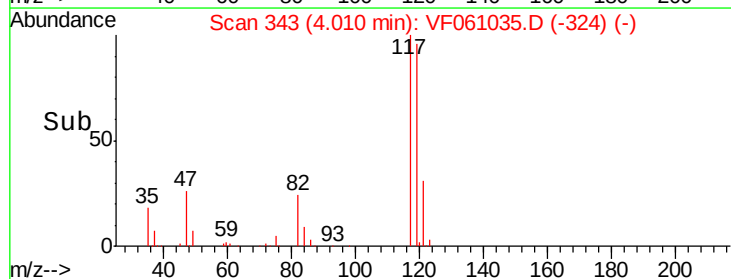
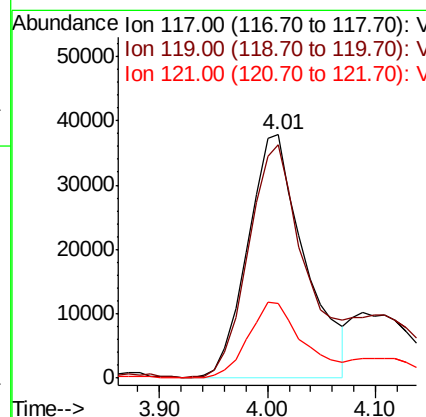
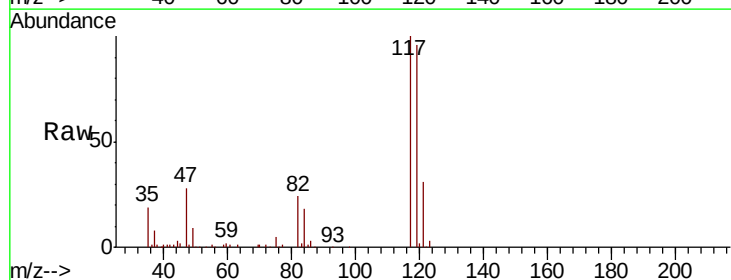
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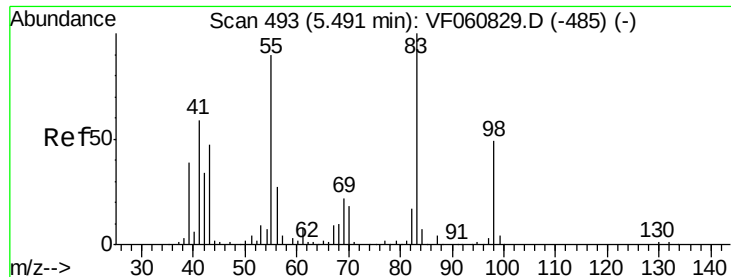
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#38
Carbon Tetrachloride
Concen: 52.728 ug/l
RT: 4.01 min Scan# 343
Delta R.T. -0.01 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	74.4	111.6
121	30.7	23.5	35.3





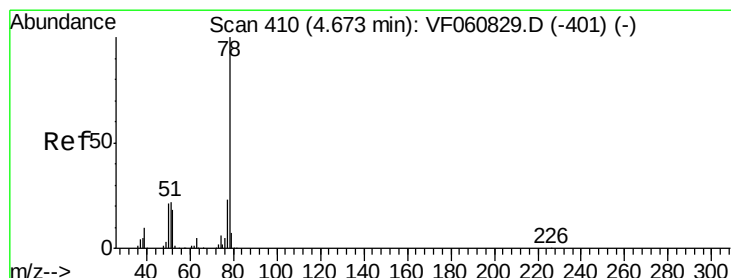
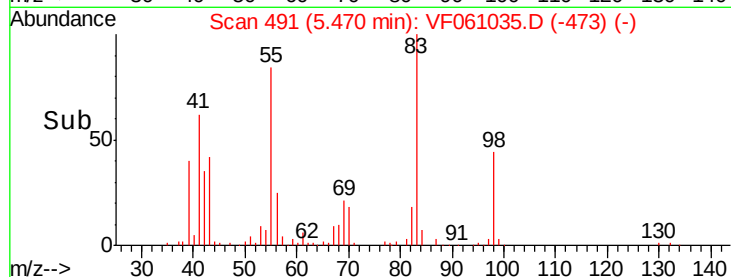
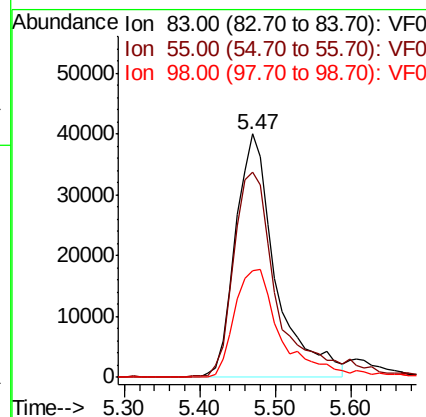
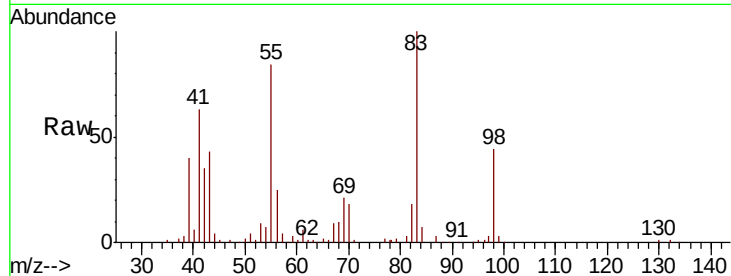
#39
Methylvlcyclohexane
Concen: 46.762 ug/l
RT: 5.47 min Scan# 491
Delta R.T. -0.02 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	83.00	Resp	146977
Ion Ratio	Lower	Upper	
83	100		
55	84.4	72.1	108.1
98	43.9	39.1	58.7

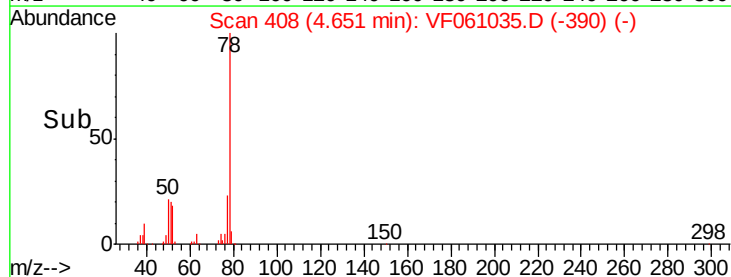
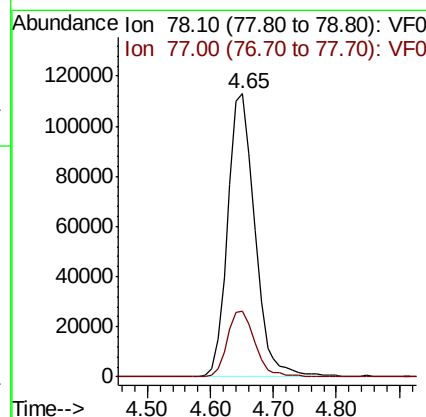
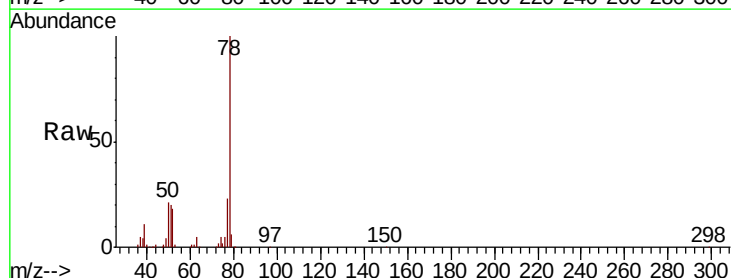
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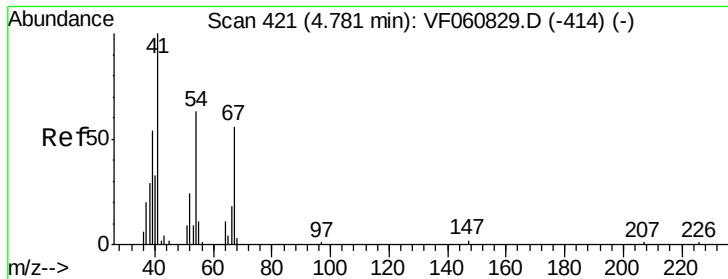
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#40
Benzene
Concen: 51.022 ug/l
RT: 4.65 min Scan# 408
Delta R.T. -0.02 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Tgt Ion	78.00	Resp	338062
Ion Ratio	Lower	Upper	
78	100		
77	23.2	18.7	28.1





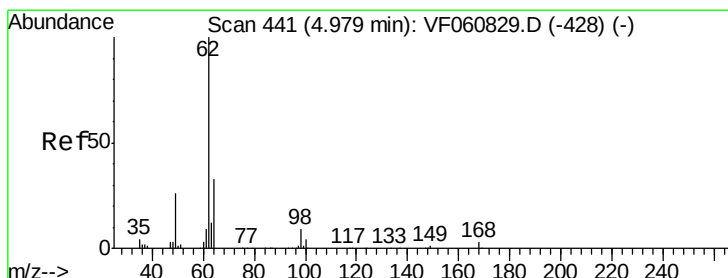
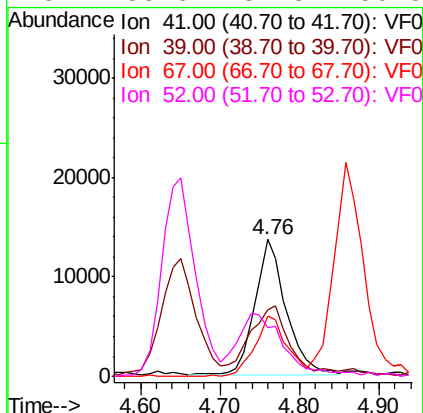
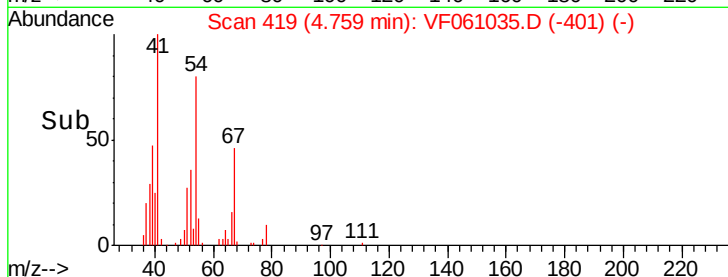
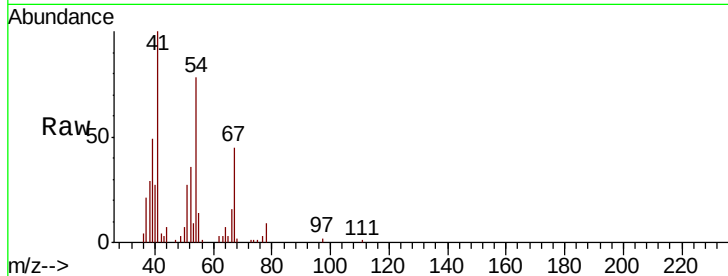
#41
Methacrylonitrile
Concen: 58.809 ug/l
RT: 4.76 min Scan# 419
Delta R.T. -0.02 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
36679	41	100		
	39	48.6	53.0	79.6#
	67	44.5	43.8	65.6
	52	35.6	37.8	56.8#

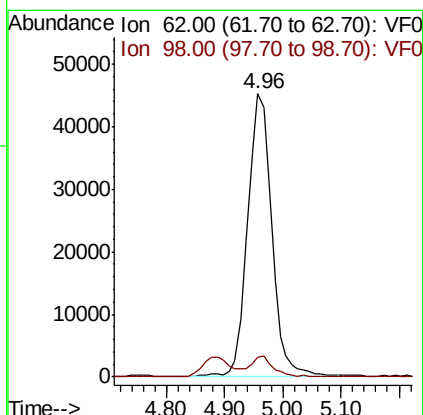
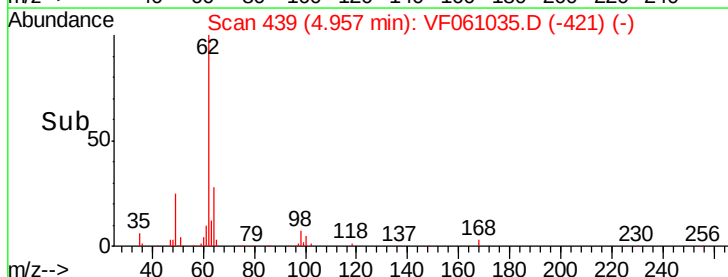
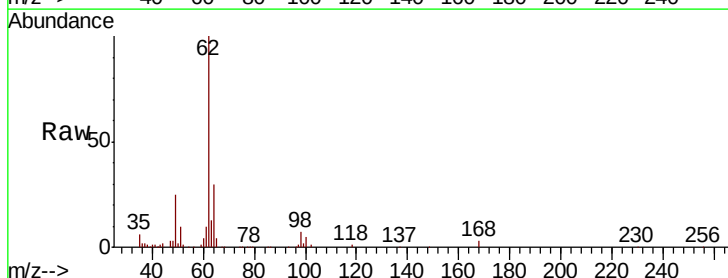
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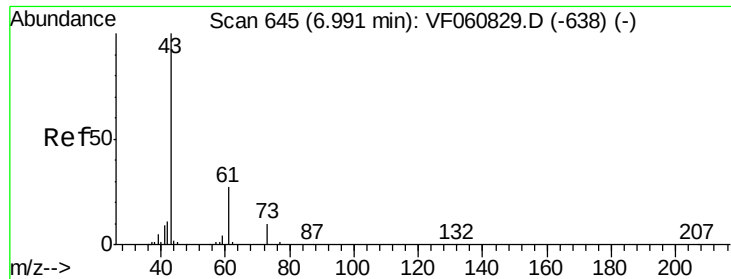
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#42
1,2-Dichloroethane
Concen: 54.653 ug/l
RT: 4.96 min Scan# 439
Delta R.T. -0.02 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Tgt Ion	Ion	Ratio	Lower	Upper
132203	62	100		
	98	7.0	0.0	17.2





#43

Isopropyl Acetate

Concen: 54.480 ug/l

RT: 6.97 min Scan# 643

Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :

MSVOA_F

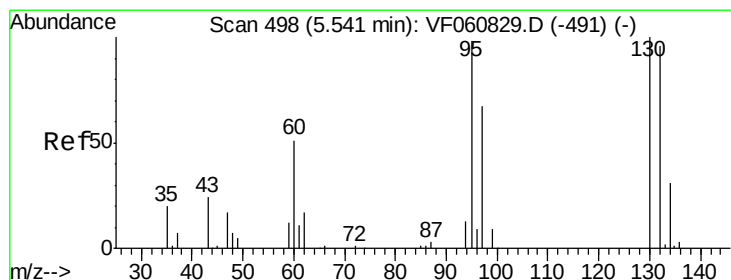
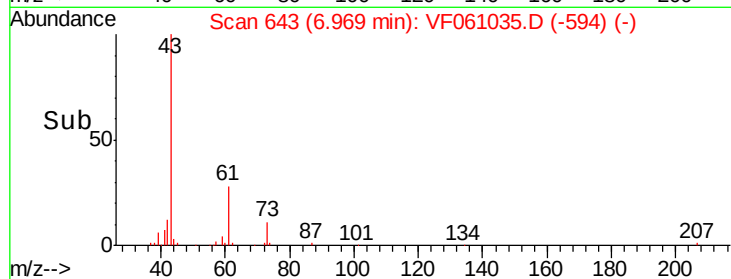
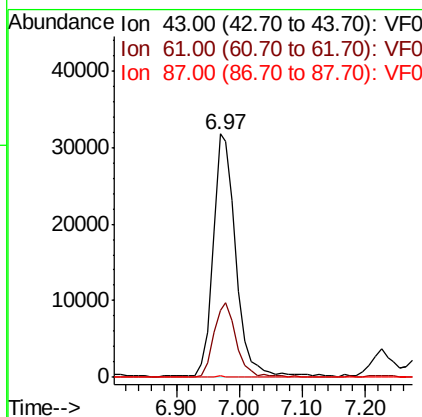
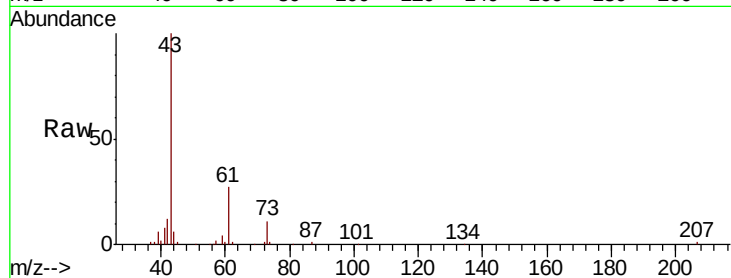
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	81559
Ion	Ratio	Lower	Upper
43	100		
61	27.4	21.4	32.0
87	0.7	0.2	0.4

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#44

Trichloroethene

Concen: 51.492 ug/l

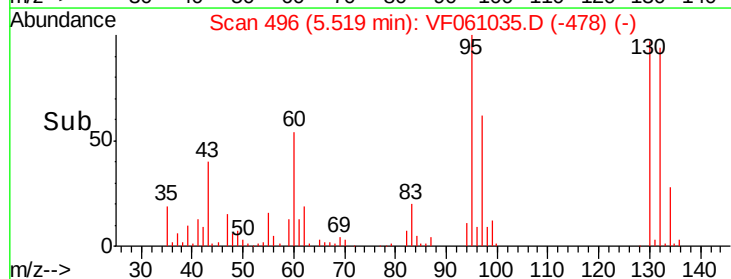
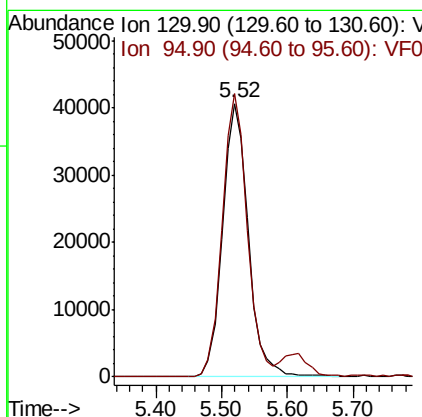
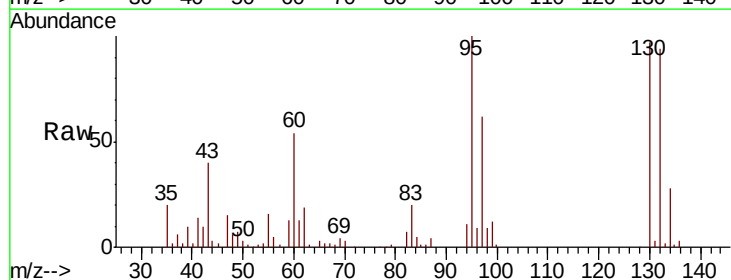
RT: 5.52 min Scan# 496

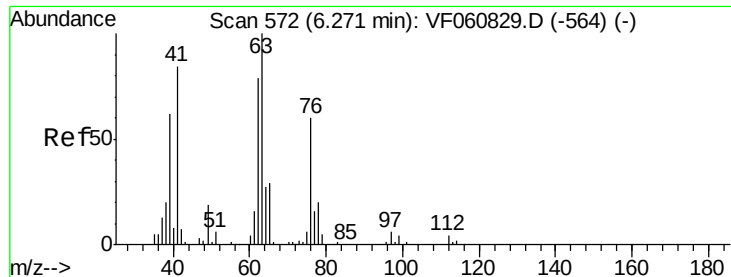
Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Tgt Ion:	130	Resp:	111553
Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	195.6





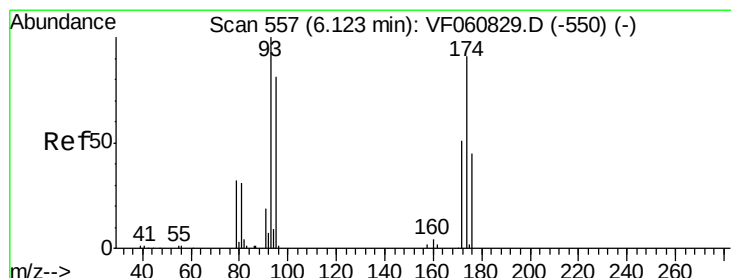
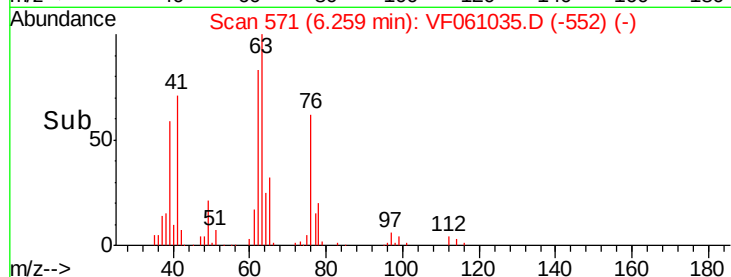
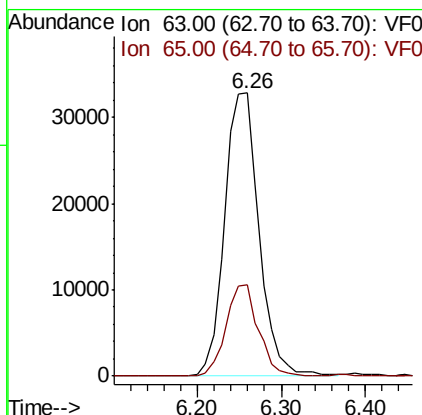
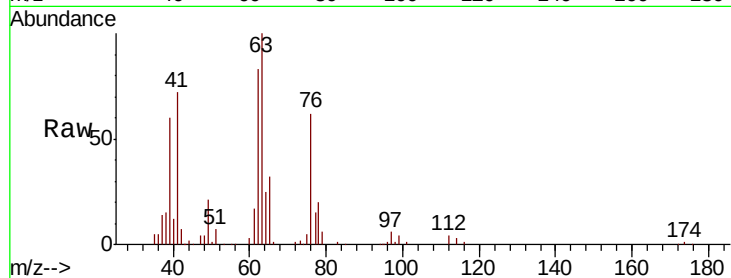
#45
 1,2-Dichloropropane
 Concen: 54.180 ug/l
 RT: 6.26 min Scan# 571
 Delta R.T. -0.01 min
 Lab File: VF061035.D
 Acq: 17 Dec 2018 11:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 93234
 Ion Ratio Lower Upper
 63 100
 65 32.4 23.2 34.8

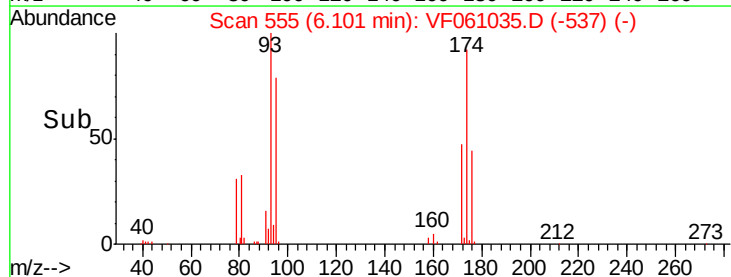
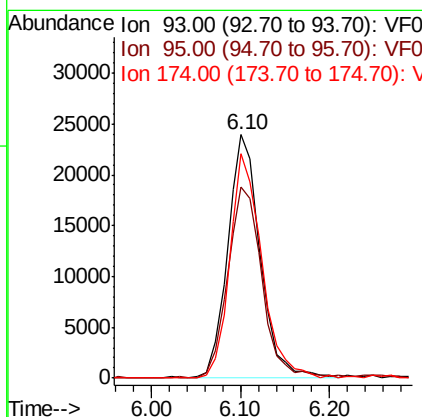
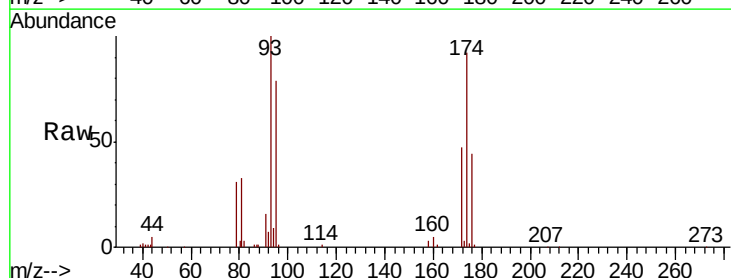
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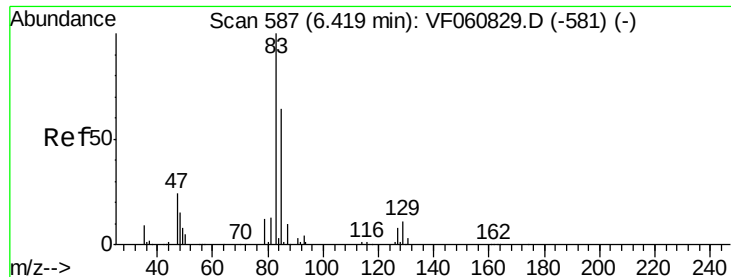
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#46
 Dibromomethane
 Concen: 52.445 ug/l
 RT: 6.10 min Scan# 555
 Delta R.T. -0.02 min
 Lab File: VF061035.D
 Acq: 17 Dec 2018 11:59

Tgt Ion: 93 Resp: 61221
 Ion Ratio Lower Upper
 93 100
 95 78.7 64.7 97.1
 174 92.0 73.0 109.6





#47

Bromodichloromethane

Concen: 54.310 ug/l

RT: 6.40 min Scan# 585

Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :

MSVOA_F

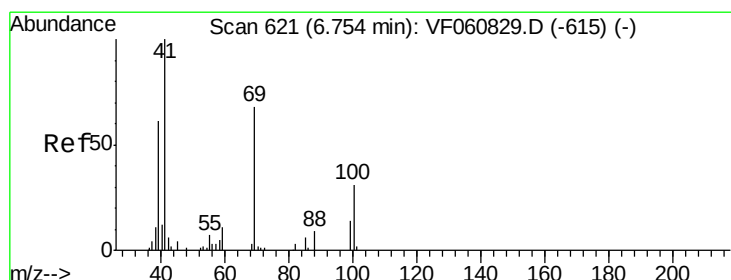
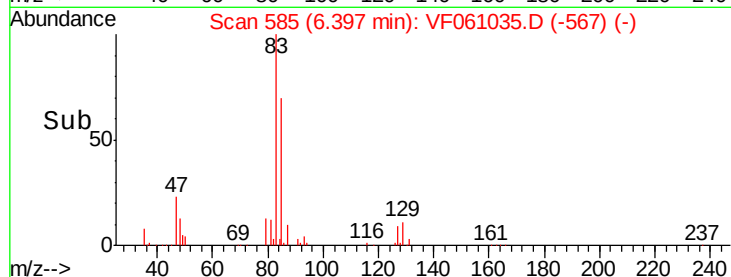
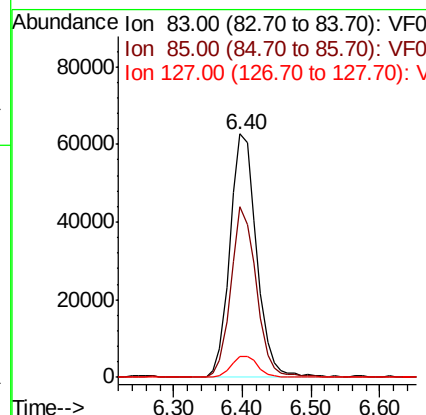
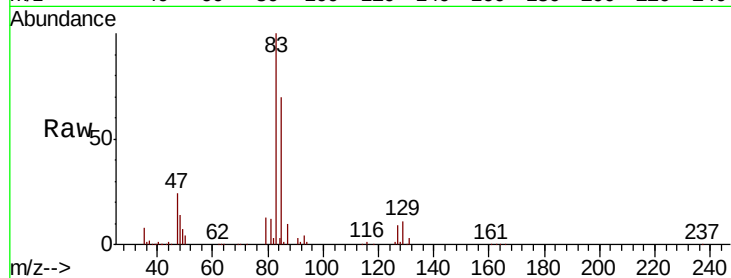
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	168385
Ion Ratio	Lower	Upper	
83	100		
85	70.3	51.1	76.7
127	8.8	6.8	10.2

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#48

Methyl methacrylate

Concen: 52.350 ug/l

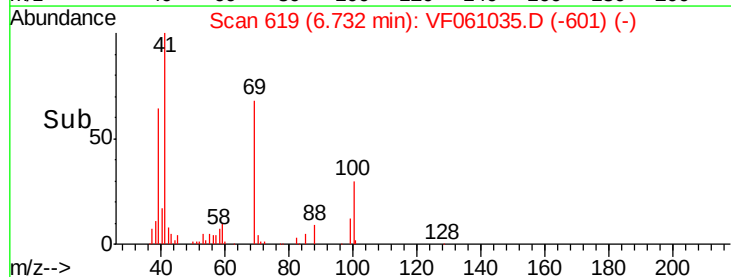
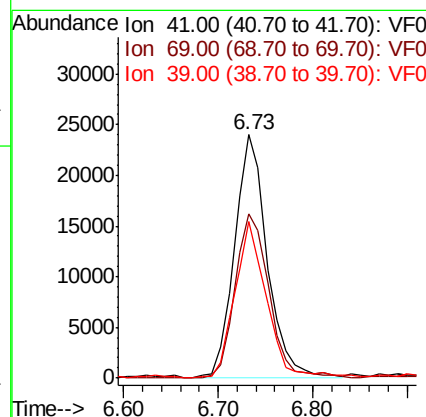
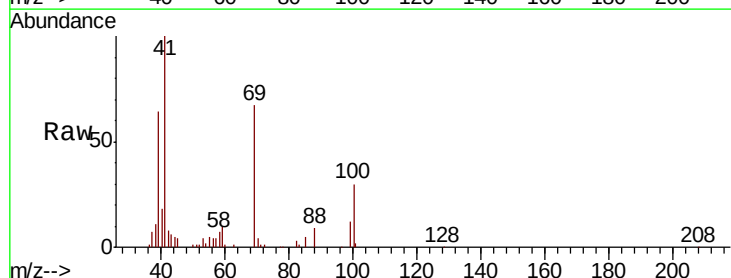
RT: 6.73 min Scan# 619

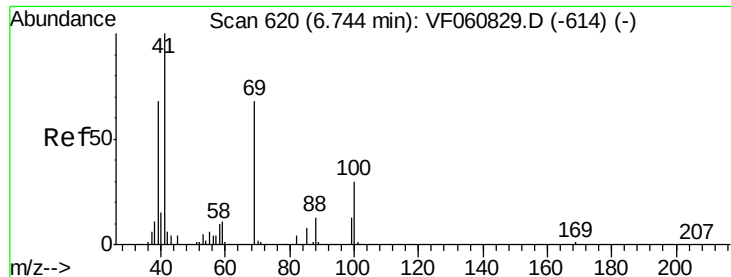
Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Tgt Ion:	41	Resp:	57754
Ion Ratio	Lower	Upper	
41	100		
69	67.2	53.9	80.9
39	64.2	49.0	73.6





#49

1,4-Dioxane

Concen: 1110.587 ug/l

RT: 6.72 min Scan# 618

Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :

MSVOA_F

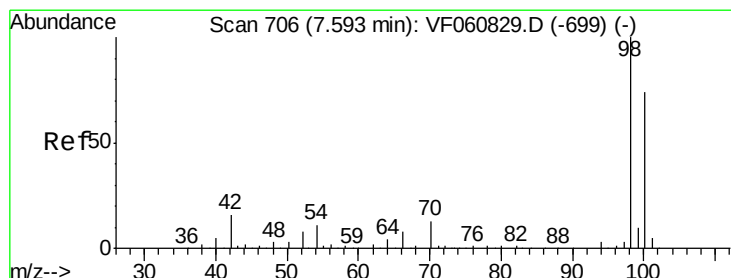
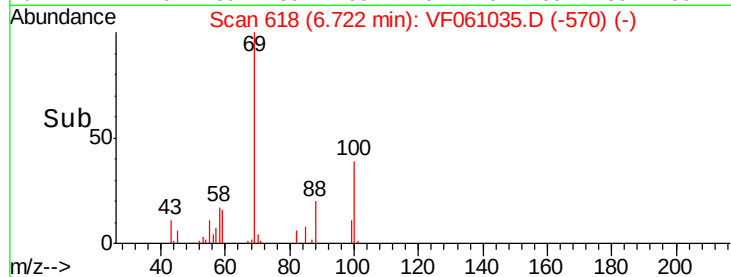
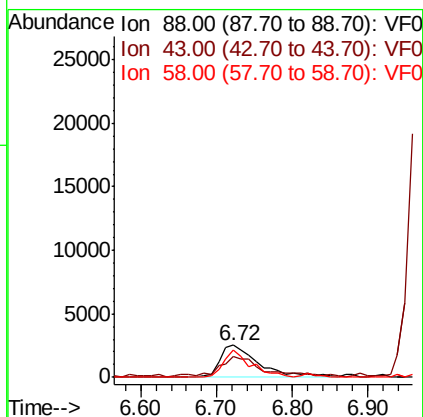
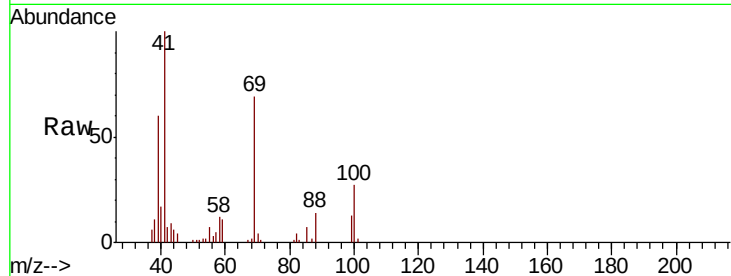
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	8967
Ion	Ratio	Lower	Upper
88	100		
43	64.4	42.0	63.0#
58	86.0	61.8	92.8

Manual Integrations
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#50

Toluene-d8

Concen: 54.335 ug/l

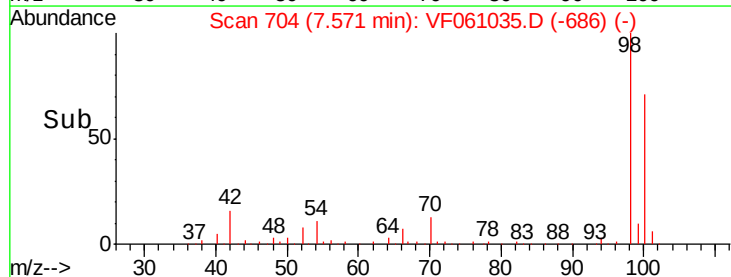
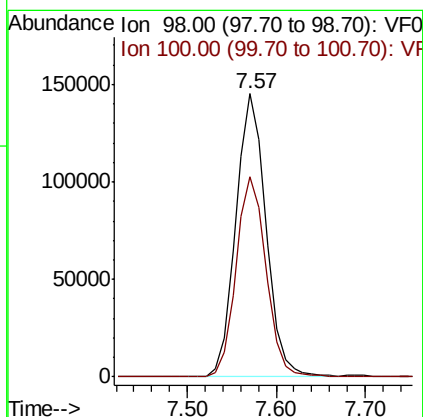
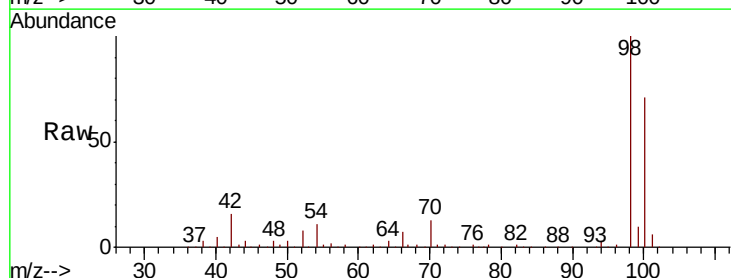
RT: 7.57 min Scan# 704

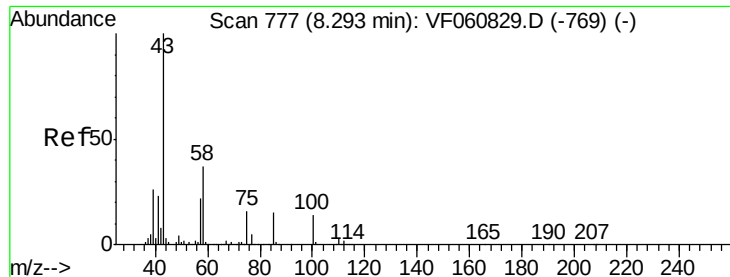
Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Tgt Ion:	98	Resp:	343344
Ion	Ratio	Lower	Upper
98	100		
100	70.6	59.3	88.9





#51

4-Methyl-2-Pentanone

Concen: 266.479 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 299501

Ion Ratio Lower Upper

43 100

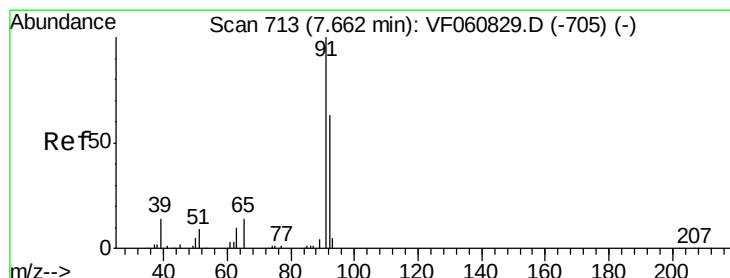
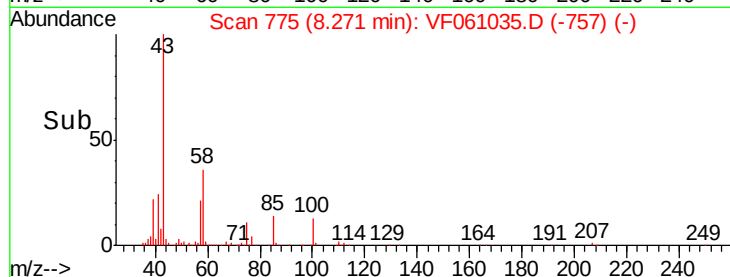
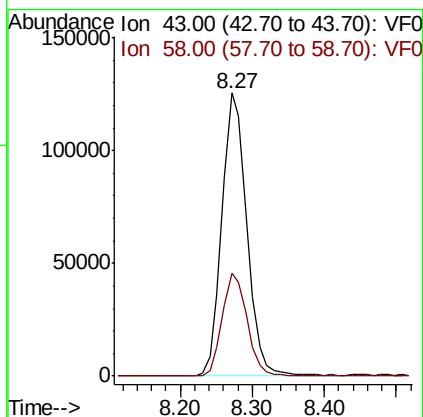
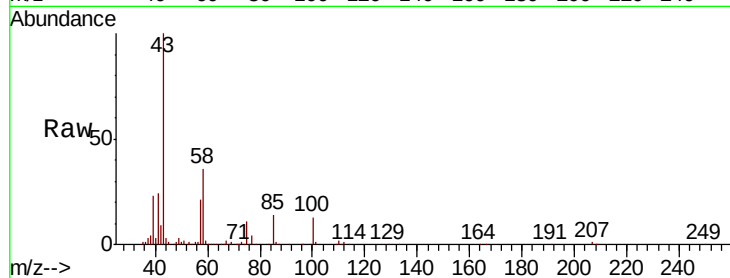
58 36.4 29.7 44.5

Manual Integrations

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#52

Toluene

Concen: 46.691 ug/l

RT: 7.64 min Scan# 711

Delta R.T. -0.02 min

Lab File: VF061035.D

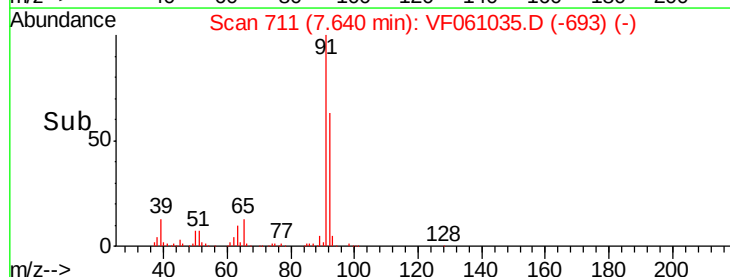
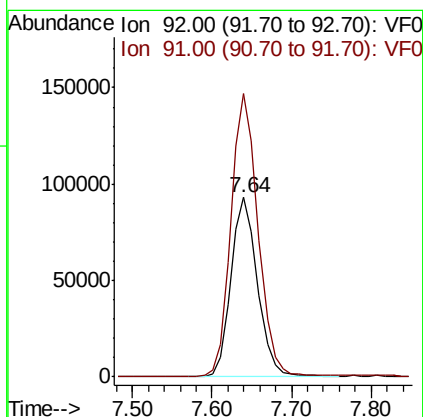
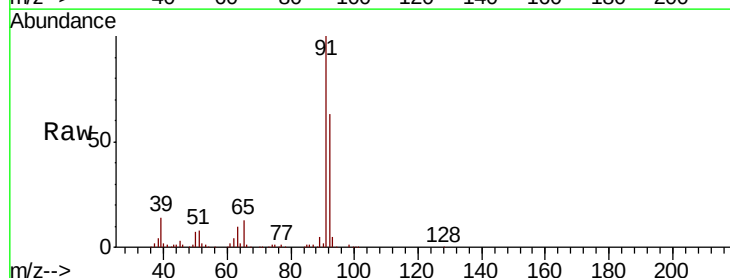
Acq: 17 Dec 2018 11:59

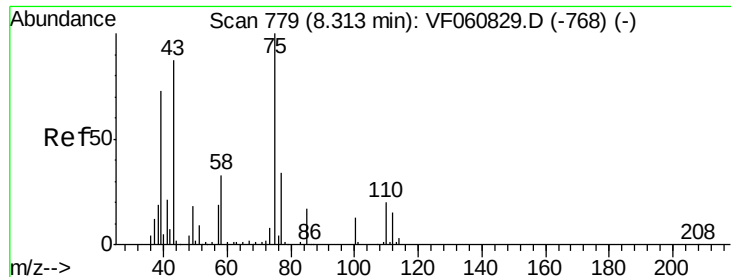
Tgt Ion: 92 Resp: 217305

Ion Ratio Lower Upper

92 100

91 157.6 126.2 189.2





#53

t-1,3-Dichloropropene

Concen: 54.698 ug/l

RT: 8.29 min Scan# 777

Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 137946

Ion Ratio Lower Upper

75 100

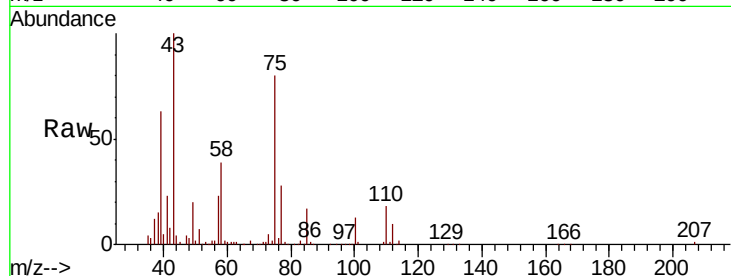
77 34.6 27.4 41.2

Manual Integrations

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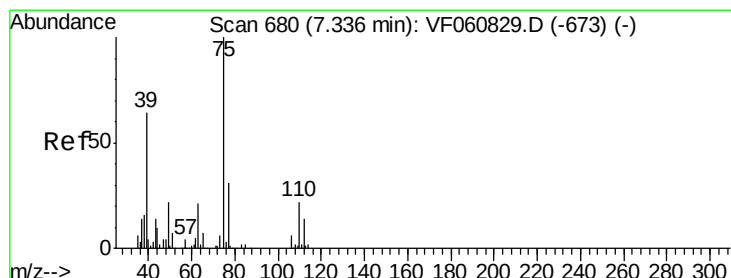
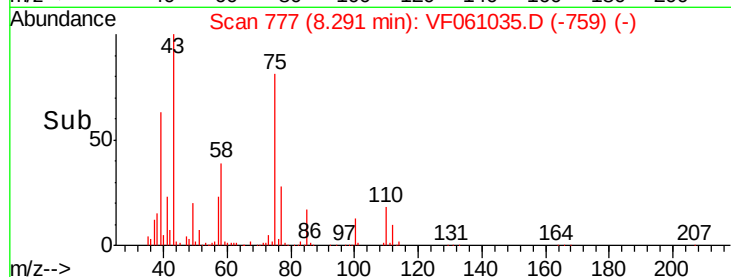
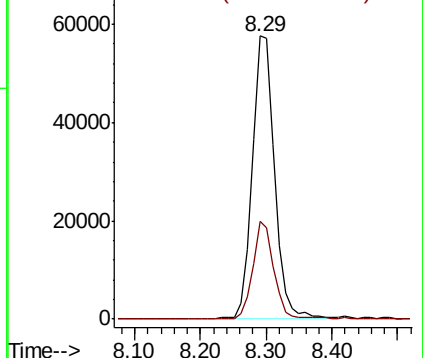
apatel

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 52.106 ug/l

RT: 7.31 min Scan# 678

Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

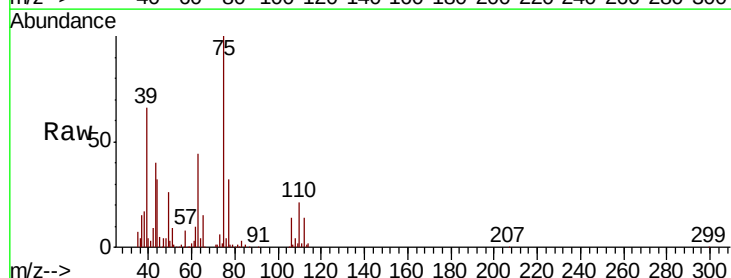
Tgt Ion: 75 Resp: 162681

Ion Ratio Lower Upper

75 100

77 31.7 25.0 37.6

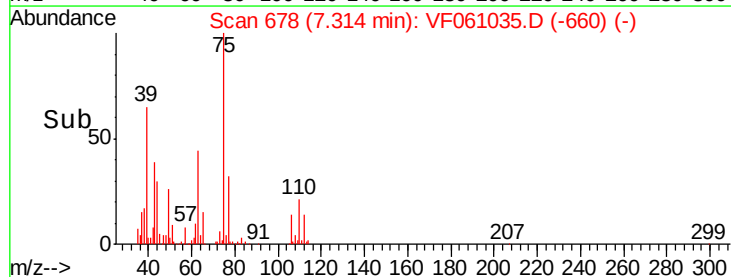
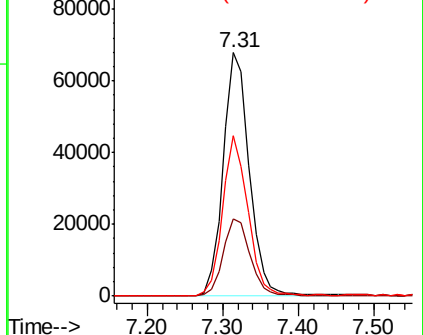
39 65.7 51.1 76.7

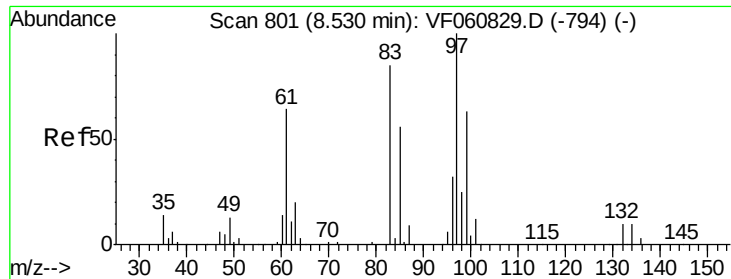


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 54.905 ug/l

RT: 8.51 min Scan# 799

Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :

MSVOA_F

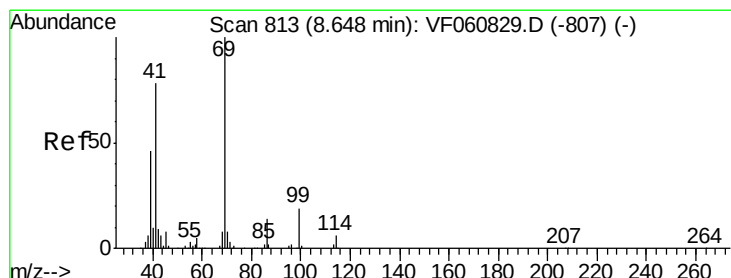
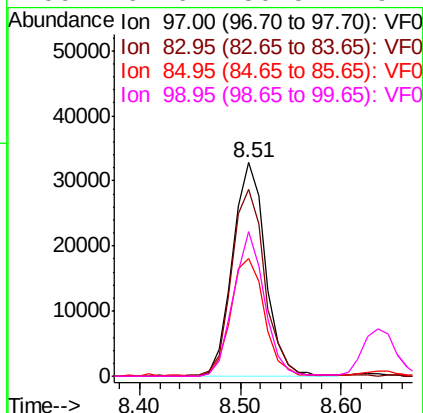
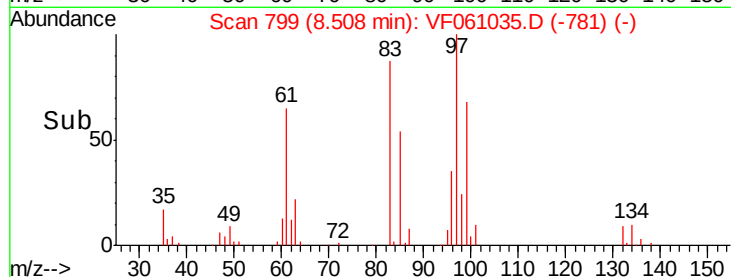
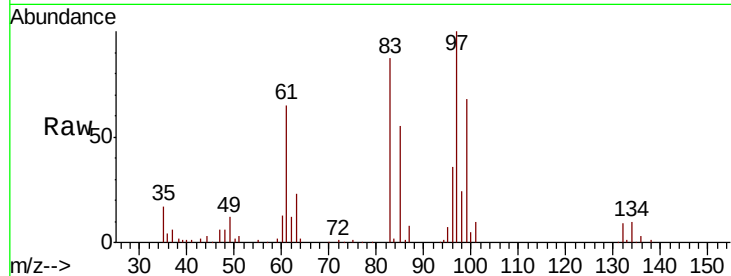
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	74459
Ion	Ratio	Lower	Upper
97	100		
83	87.4	67.8	101.6
85	55.3	45.0	67.6
99	67.6	50.5	75.7

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#56

Ethyl methacrylate

Concen: 53.275 ug/l

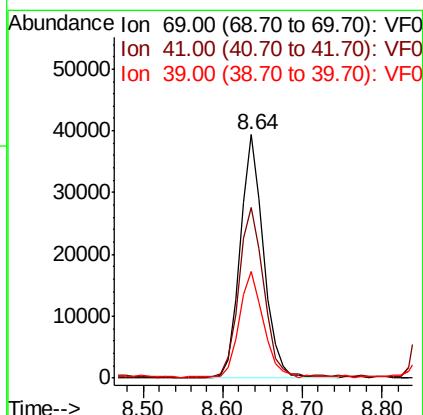
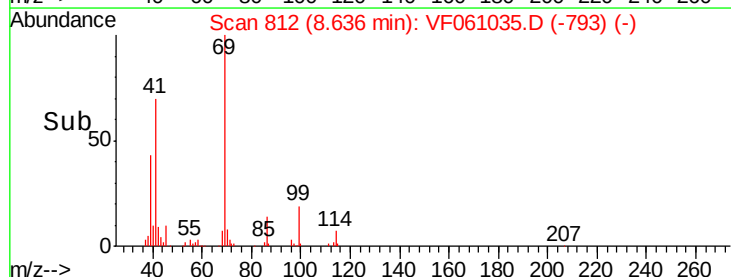
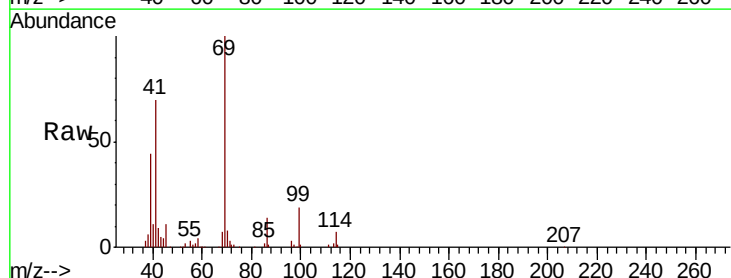
RT: 8.64 min Scan# 812

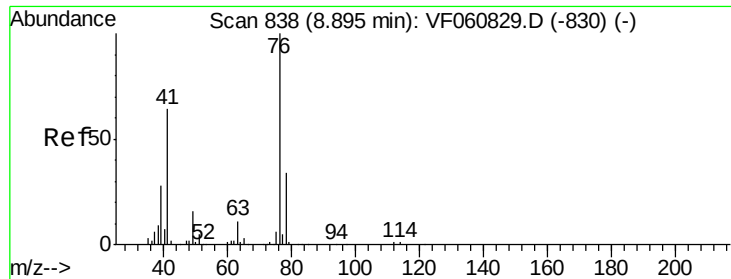
Delta R.T. -0.01 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Tgt Ion:	69	Resp:	80259
Ion	Ratio	Lower	Upper
69	100		
41	70.1	62.6	94.0
39	43.7	37.8	56.6





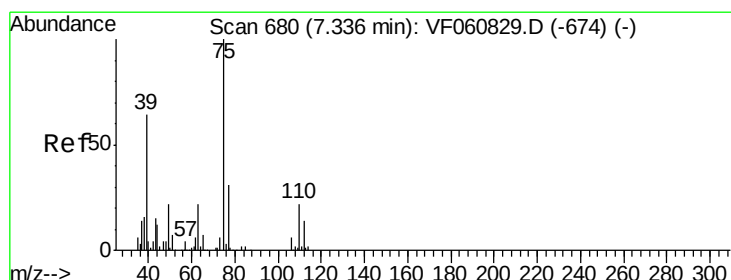
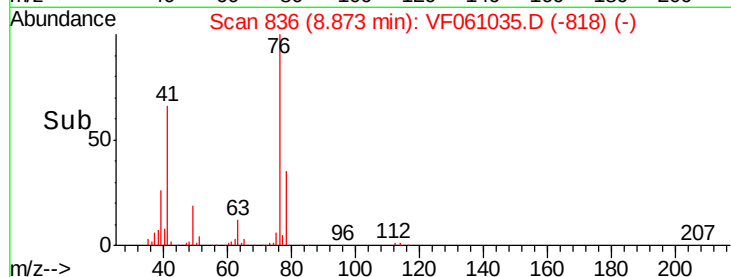
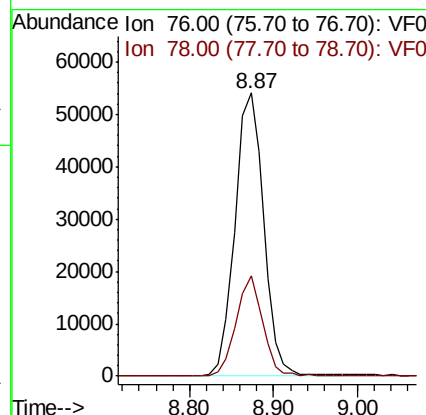
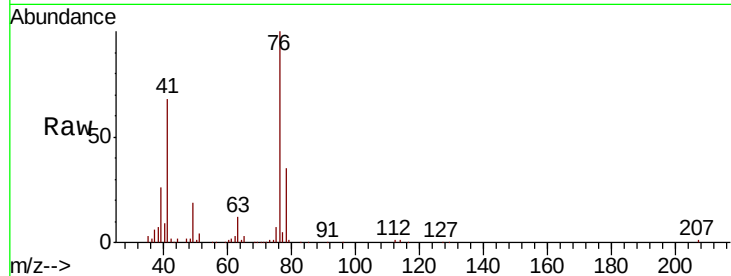
#57
 1,3-Dichloropropane
 Concen: 54.436 ug/l
 RT: 8.87 min Scan# 836
 Delta R.T. -0.02 min
 Lab File: VF061035.D
 Acq: 17 Dec 2018 11:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	35.3	27.0	40.4

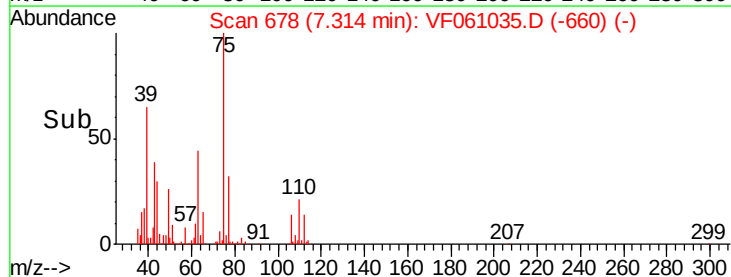
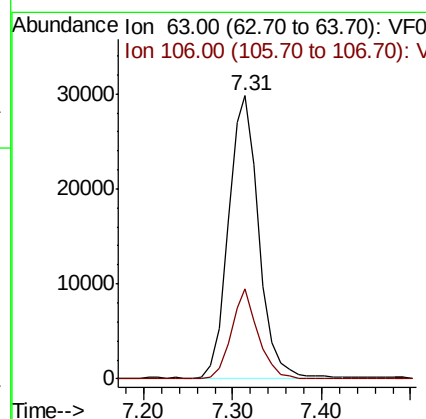
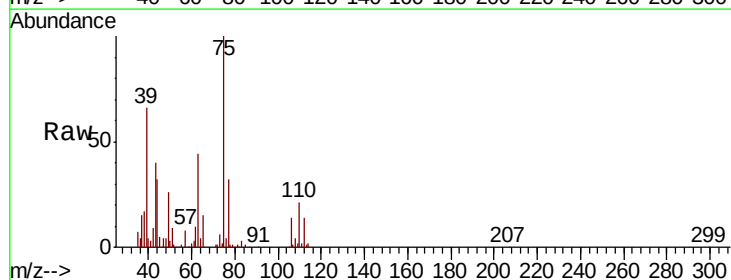
Manual Integrations
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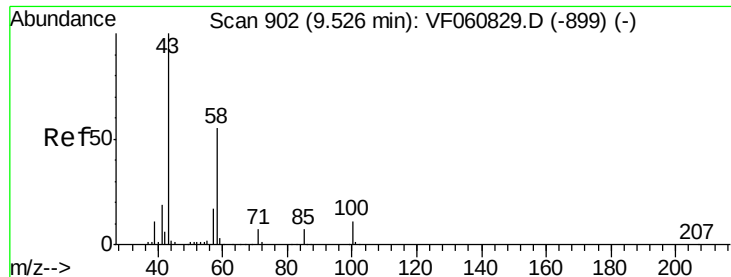
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#58
 2-Chloroethyl Vinyl ether
 Concen: 464.234 ug/l
 RT: 7.31 min Scan# 678
 Delta R.T. -0.02 min
 Lab File: VF061035.D
 Acq: 17 Dec 2018 11:59

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.8	23.0	34.6





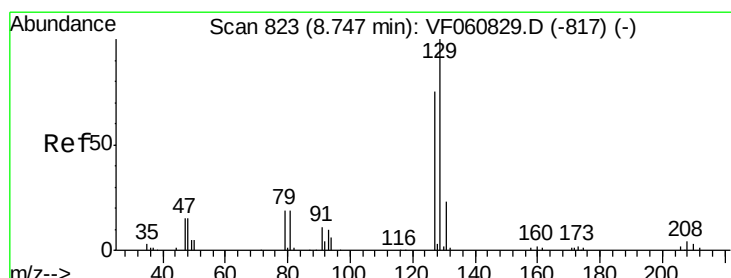
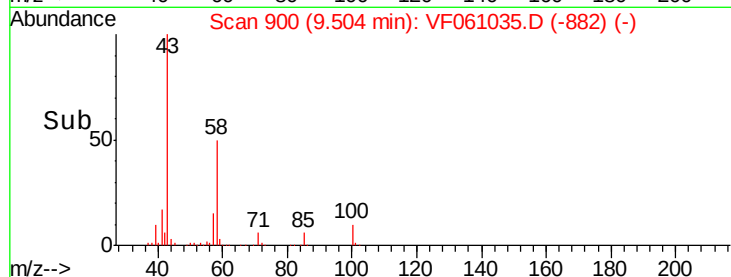
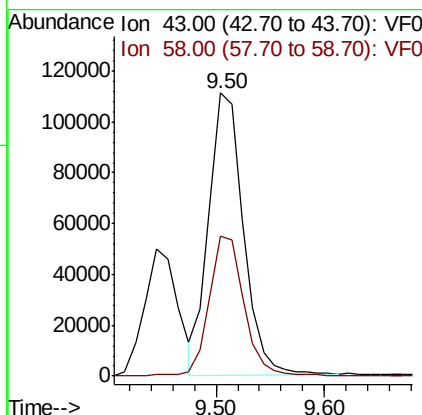
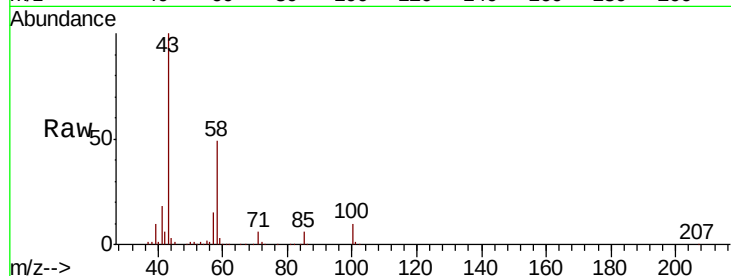
#59
2-Hexanone
Concen: 315.524 ug/l
RT: 9.50 min Scan# 900
Delta R.T. -0.02 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 248790
Ion Ratio Lower Upper
43 100
58 49.5 25.6 76.6

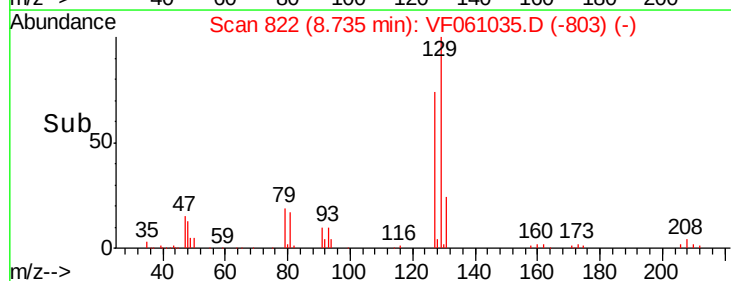
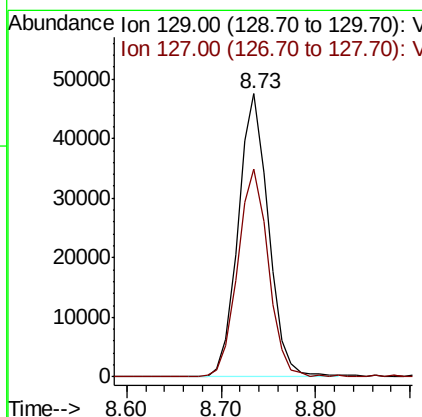
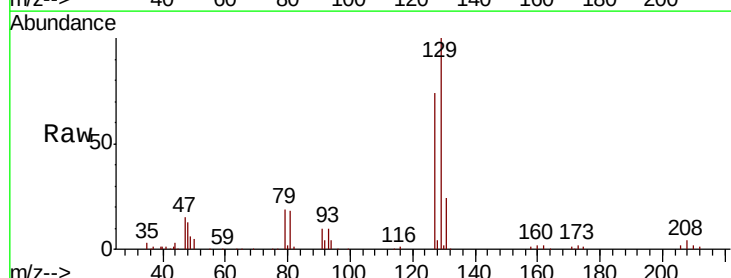
Manual Integrations
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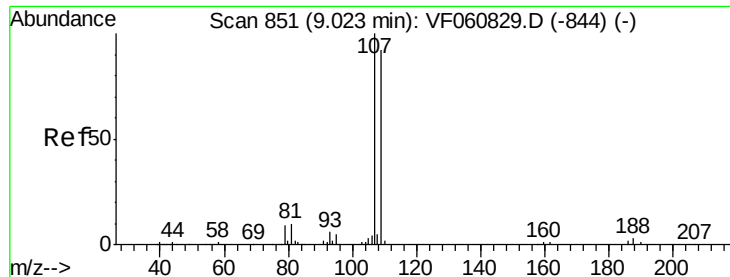
apatel
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#60
Dibromochloromethane
Concen: 52.160 ug/l
RT: 8.73 min Scan# 822
Delta R.T. -0.01 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Tgt Ion: 129 Resp: 105395
Ion Ratio Lower Upper
129 100
127 73.5 37.3 111.9





#61

1,2-Dibromoethane

Concen: 53.024 ug/l

RT: 9.00 min Scan# 849

Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 77681

Ion Ratio Lower Upper

107 100

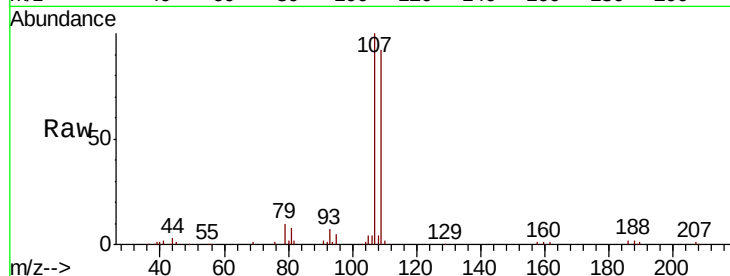
109 92.0 73.6 110.4

Manual Integrations

APPROVED

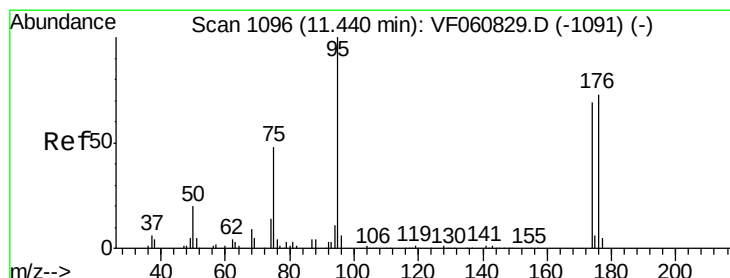
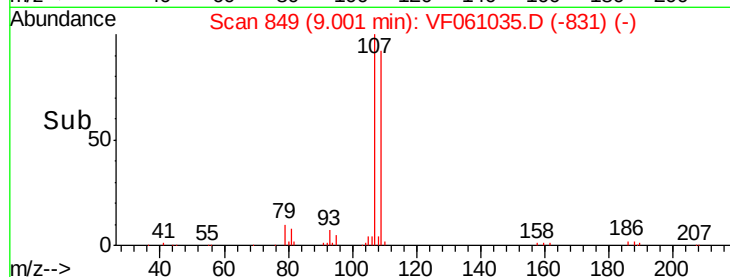
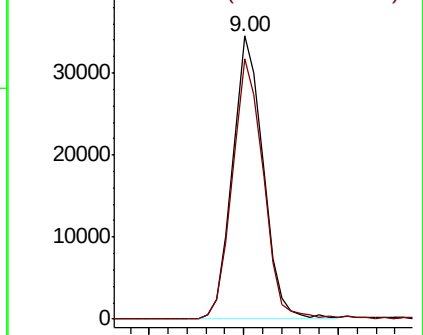
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 54.514 ug/l

RT: 11.43 min Scan# 1095

Delta R.T. -0.01 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

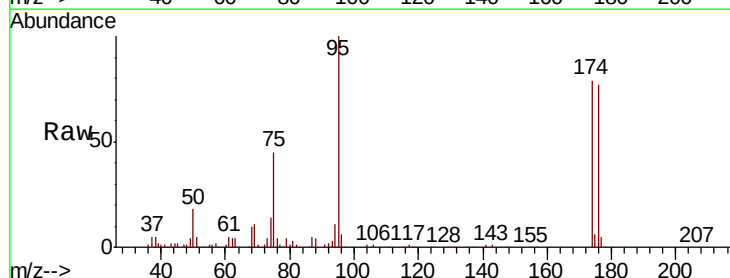
Tgt Ion: 95 Resp: 156559

Ion Ratio Lower Upper

95 100

174 78.6 0.0 138.2

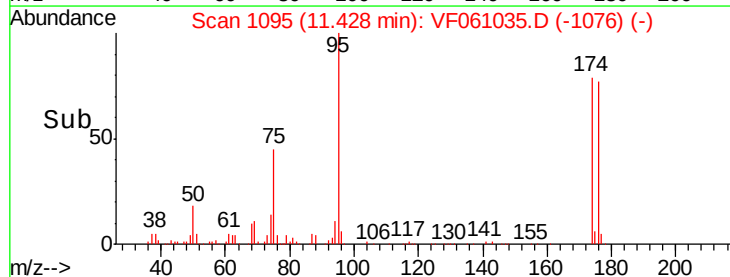
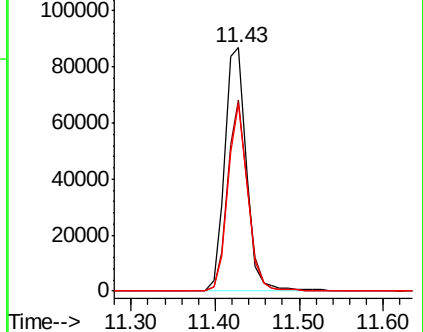
176 77.0 0.0 146.2

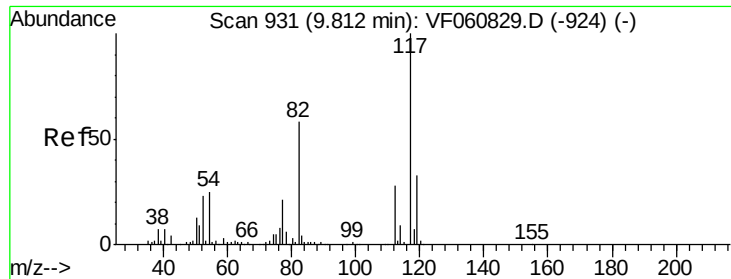


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





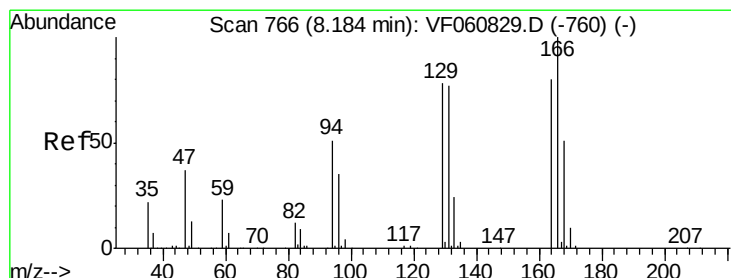
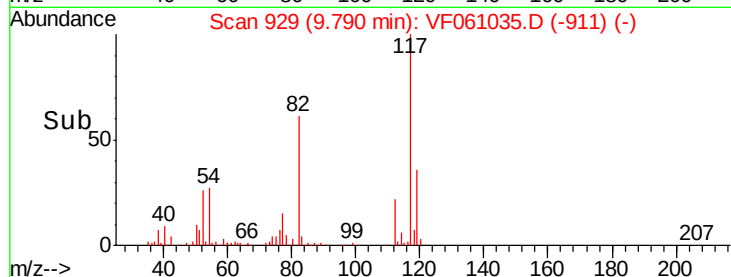
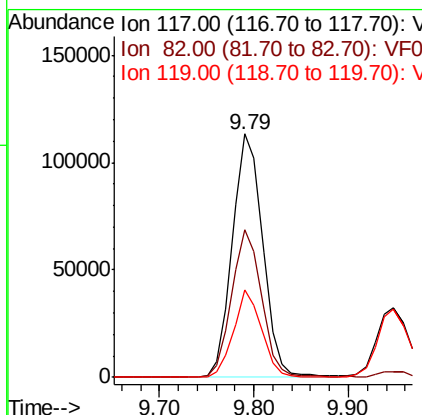
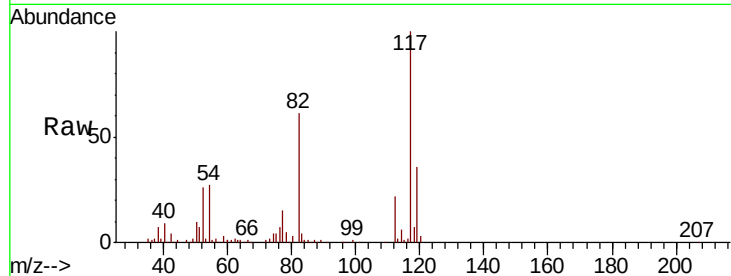
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.02 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.8	46.6	69.8
119	35.8	26.4	39.6

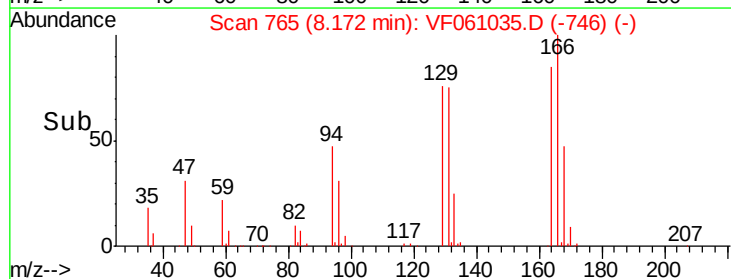
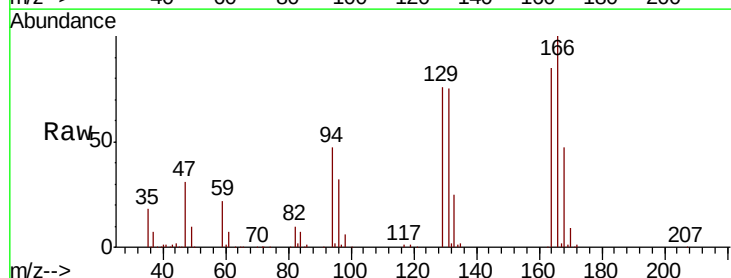
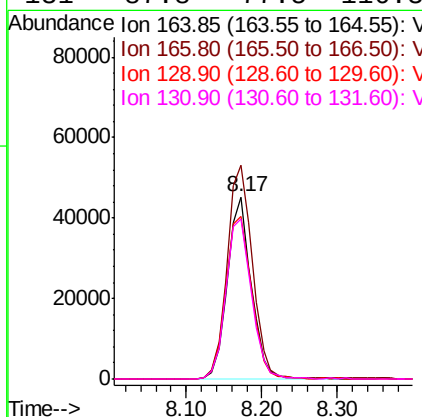
Manual Integrations
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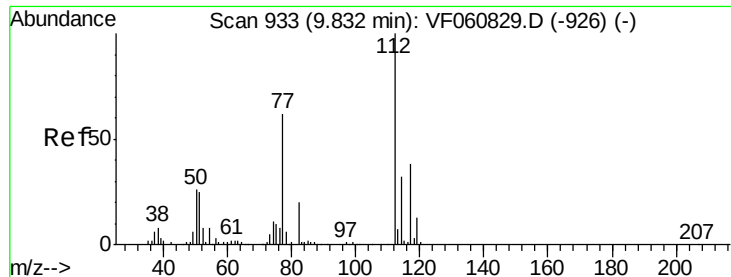
apatel
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#64
Tetrachloroethene
Concen: 50.568 ug/l
RT: 8.17 min Scan# 765
Delta R.T. -0.01 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	117.5	100.3	150.5
129	89.5	77.9	116.9
131	87.8	77.5	116.3





#65

Chlorobenzene

Concen: 54.269 ug/l

RT: 9.81 min Scan# 931

Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 267902

Ion Ratio Lower Upper

112 100

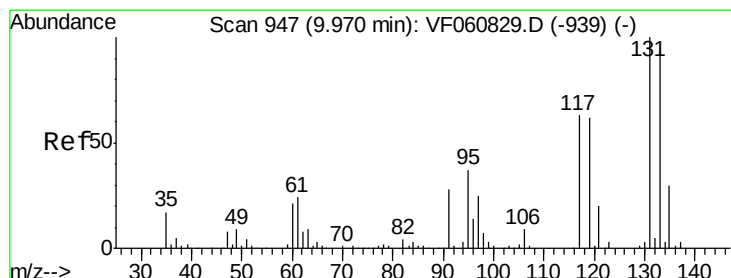
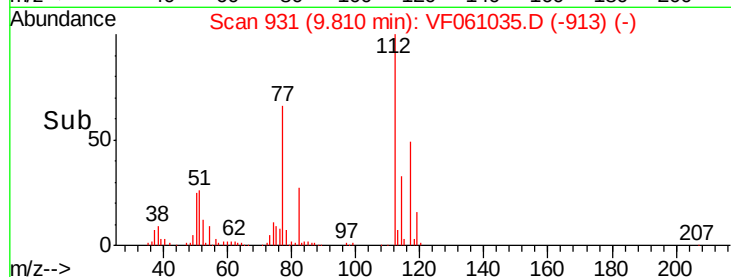
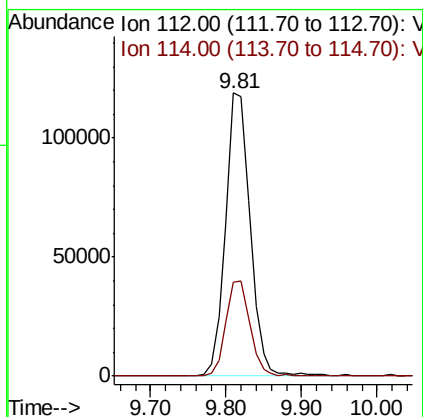
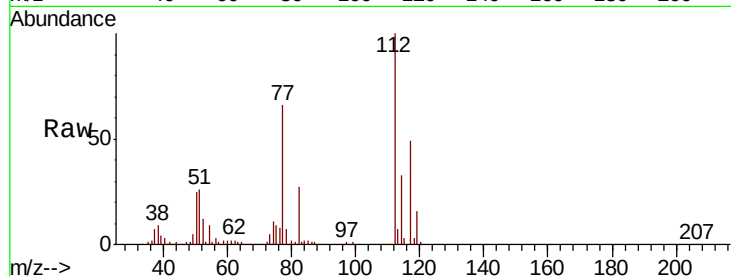
114 33.1 26.0 39.0

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 53.158 ug/l

RT: 9.95 min Scan# 945

Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

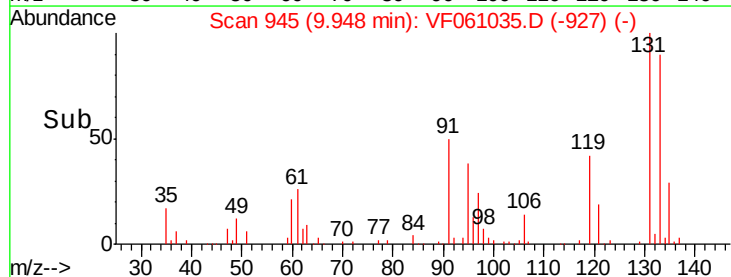
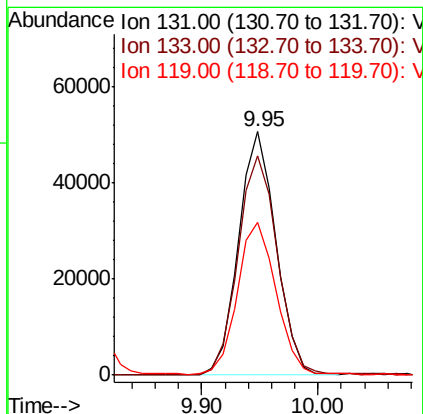
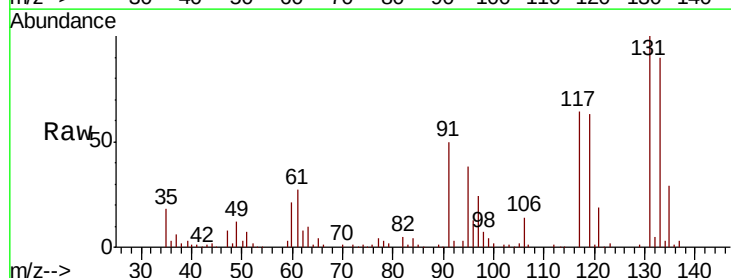
Tgt Ion:131 Resp: 112814

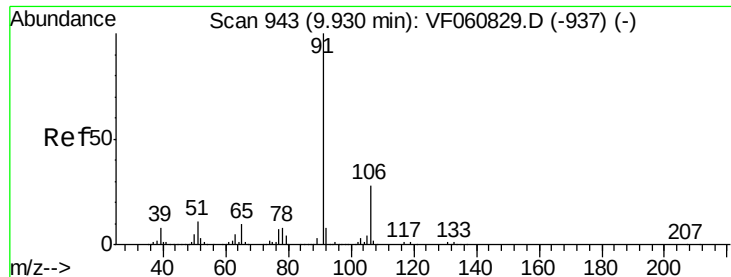
Ion Ratio Lower Upper

131 100

133 89.9 46.5 139.3

119 62.6 31.1 93.3





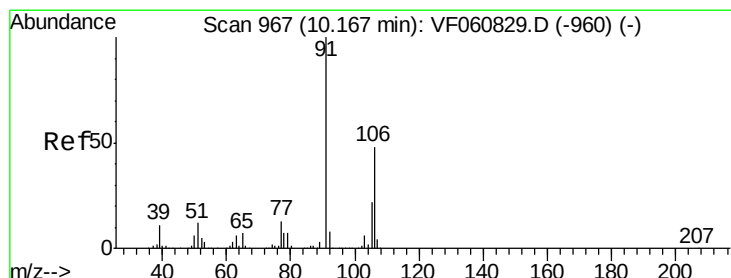
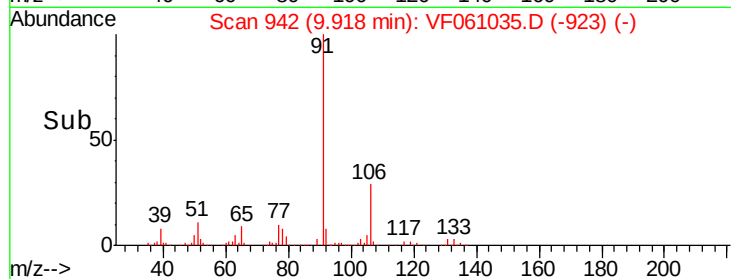
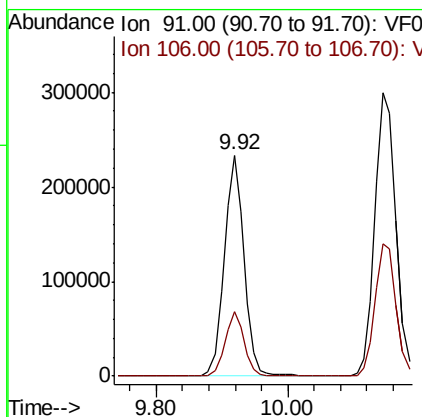
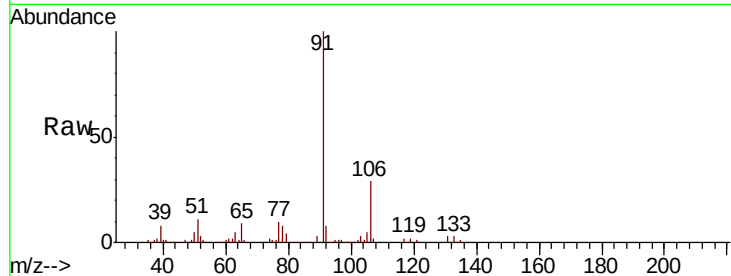
#67
Ethyl Benzene
Concen: 53.488 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.01 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 491572
Ion Ratio Lower Upper
91 100
106 29.0 22.2 33.2

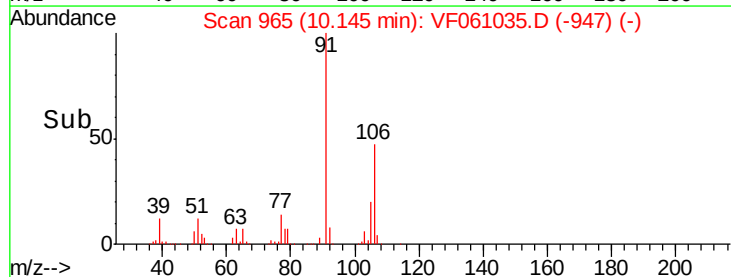
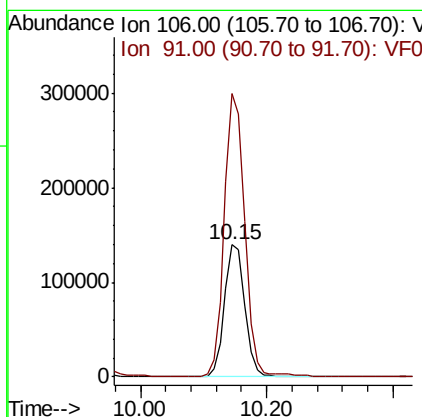
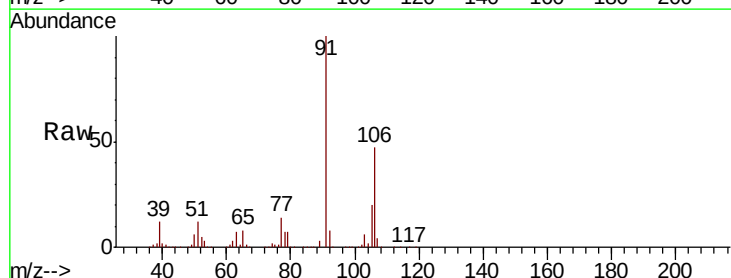
Manual Integrations
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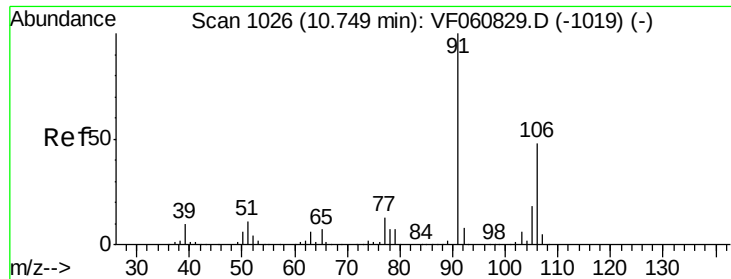
apatel
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#68
m/p-Xylenes
Concen: 95.028 ug/l
RT: 10.15 min Scan# 965
Delta R.T. -0.02 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Tgt Ion: 106 Resp: 314108
Ion Ratio Lower Upper
106 100
91 214.7 166.7 250.1





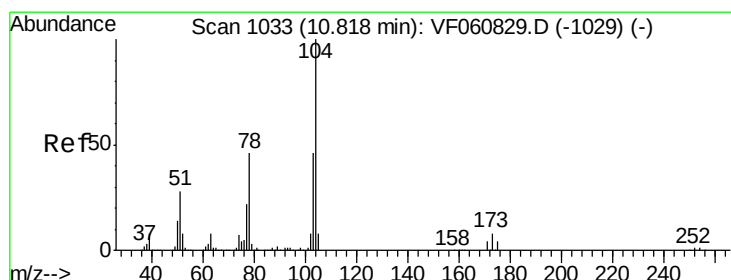
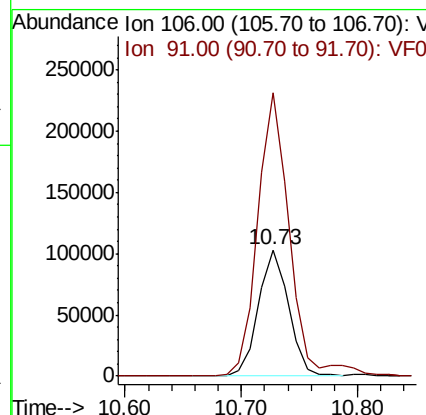
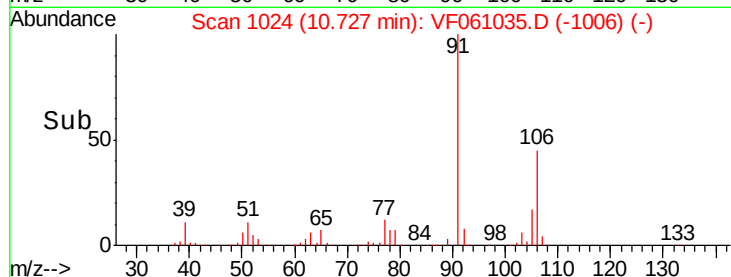
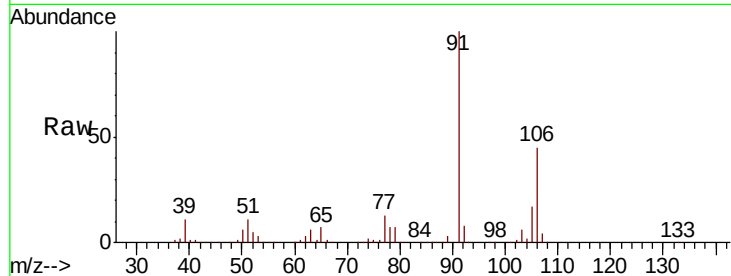
#69
o-Xylene
Concen: 51.073 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. -0.02 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		186158		
91	224.5	104.8	314.6		

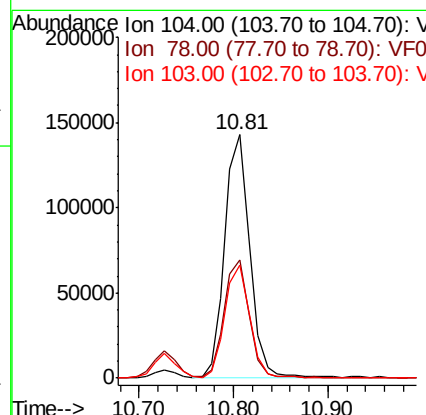
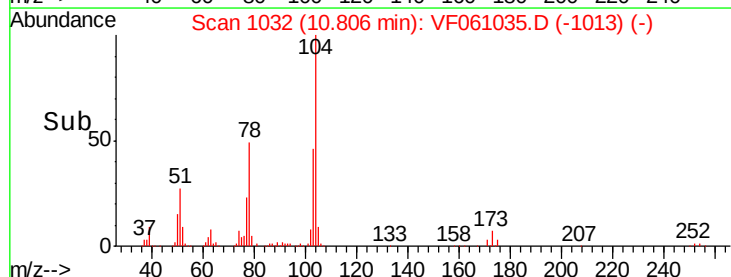
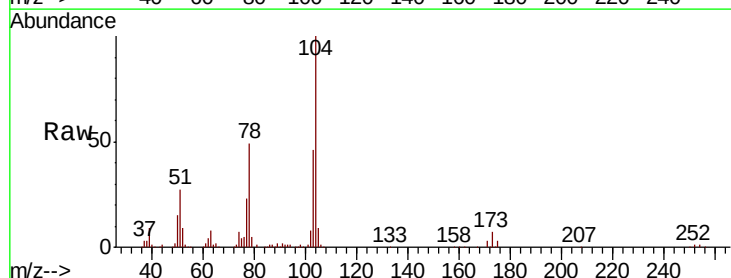
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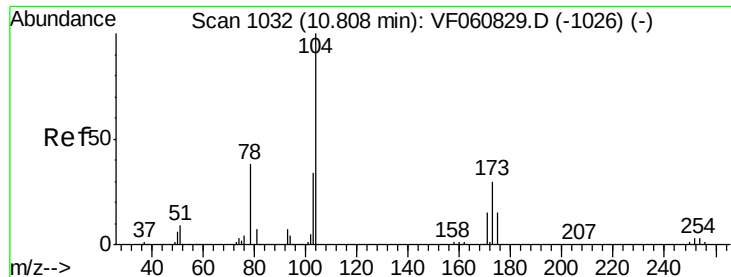
apatel
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#70
Styrene
Concen: 51.761 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		261530		
78	48.6	37.3	55.9		
103	46.3	36.8	55.2		





#71

Bromoform

Concen: 54.558 ug/l

RT: 10.79 min Scan# 1030

Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :

MSVOA_F

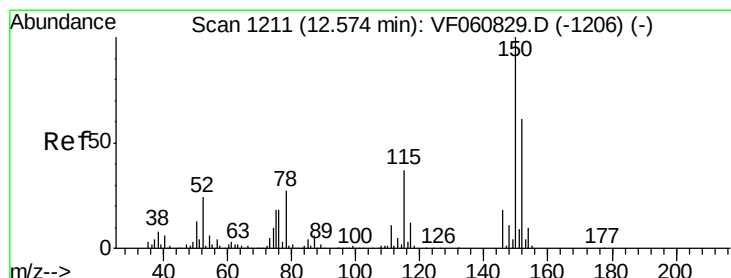
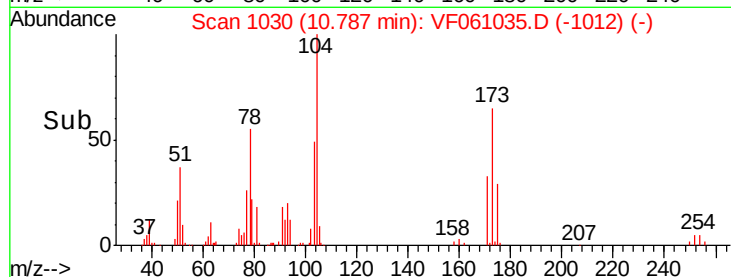
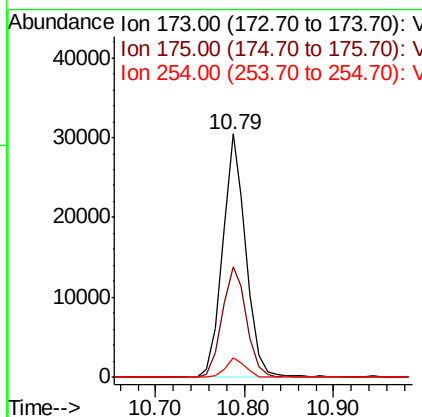
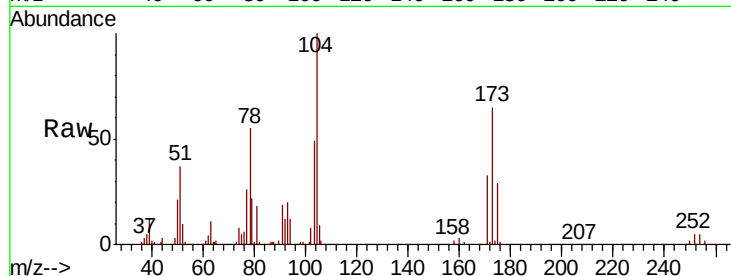
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	45.6	25.5	76.5
254	8.2	7.5	11.3

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

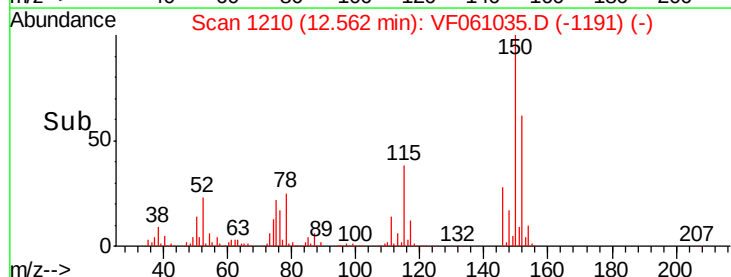
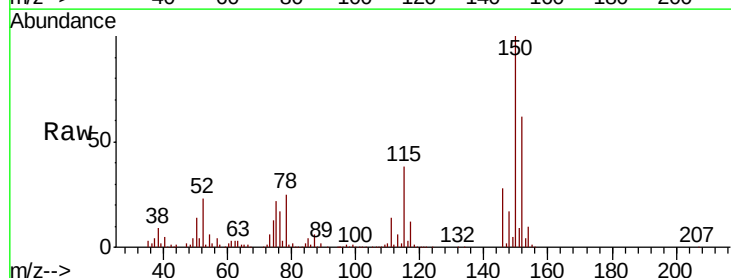
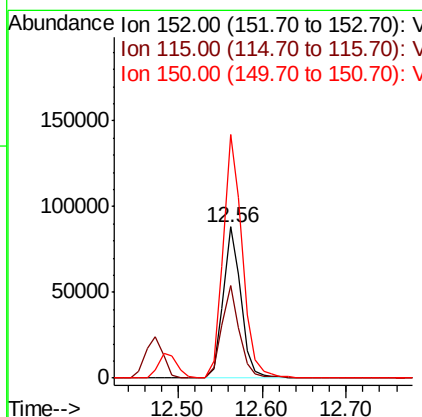
RT: 12.56 min Scan# 1210

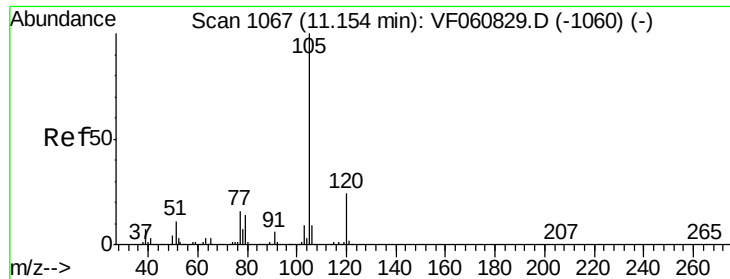
Delta R.T. -0.01 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	30.1	90.5
150	160.9	0.0	327.6





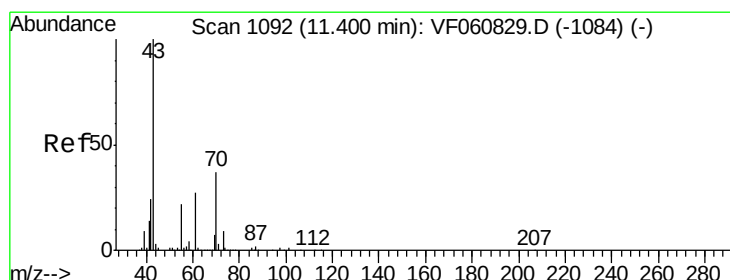
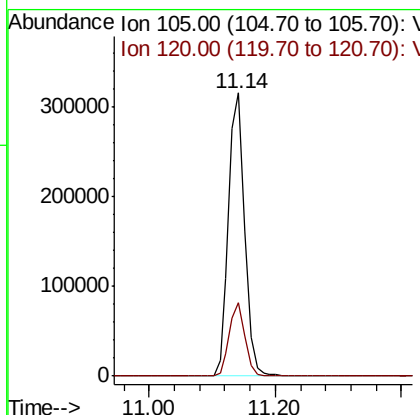
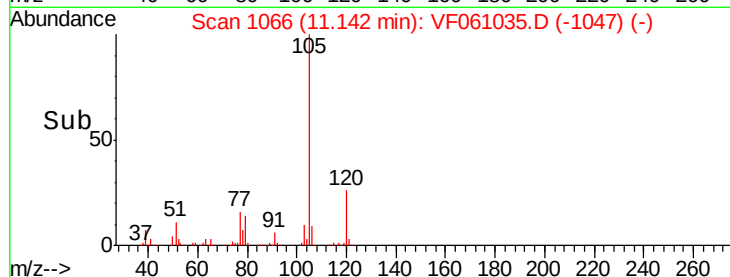
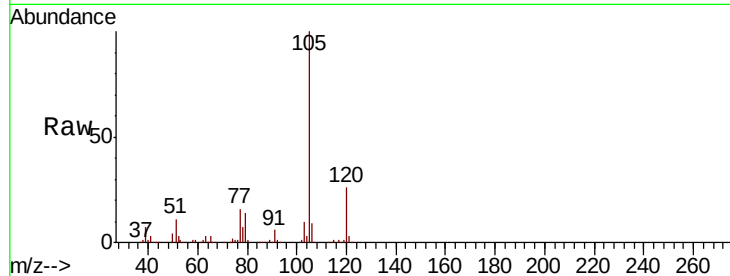
#73
Isopropylbenzene
Concen: 54.369 ug/l
RT: 11.14 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.2	36.4

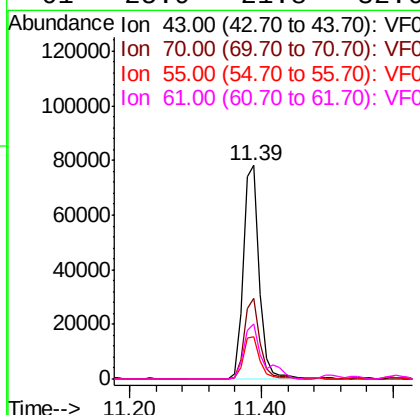
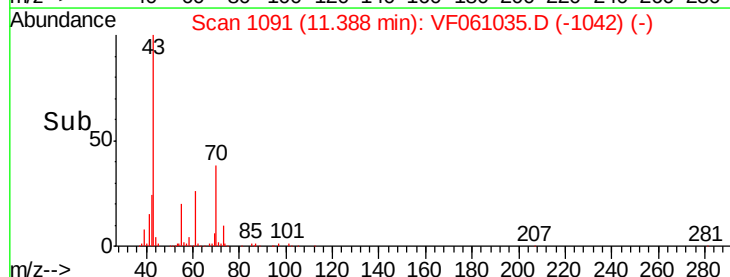
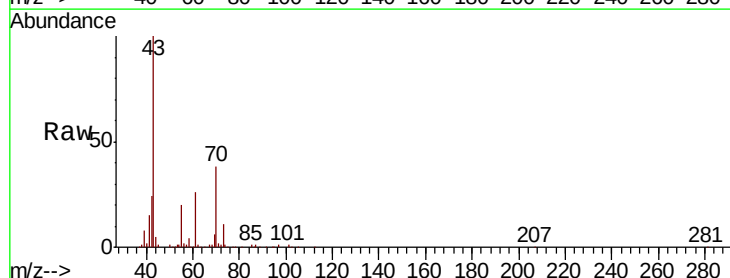
Manual Integrations
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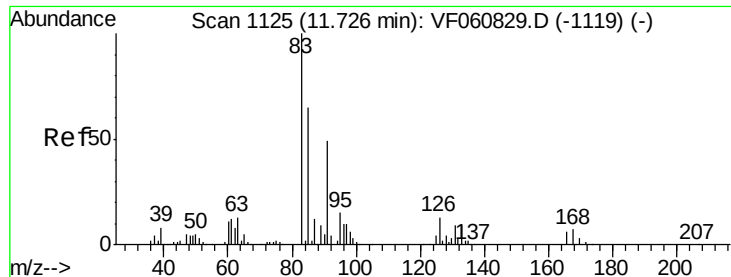
apatel
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#74
N-ethyl acetate
Concen: 56.270 ug/l
RT: 11.39 min Scan# 1091
Delta R.T. -0.01 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.6	29.6	44.4
55	20.1	17.2	25.8
61	25.9	21.8	32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 53.001 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :

MSVOA_F

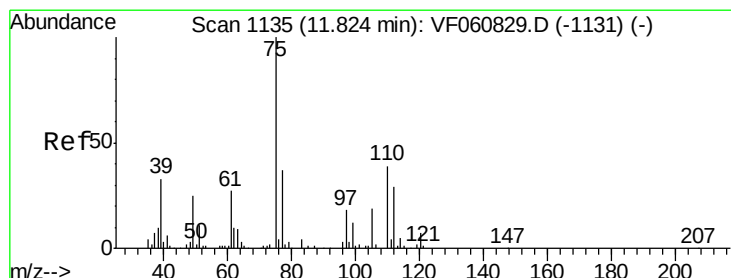
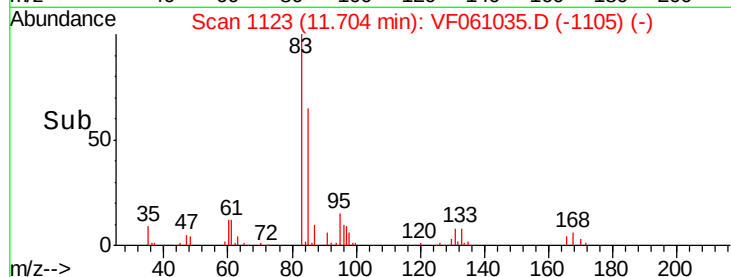
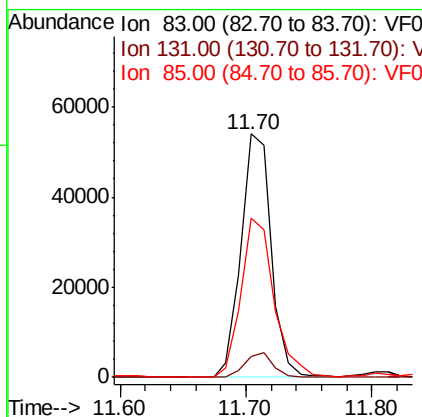
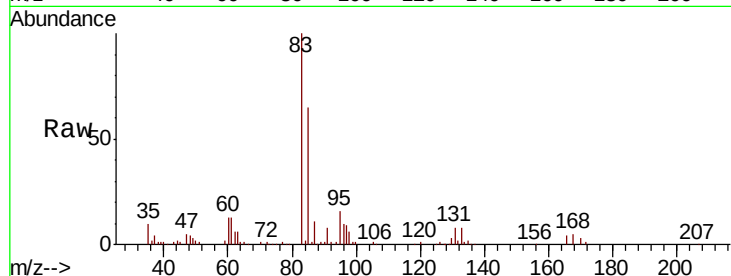
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	89896
Ion Ratio	Lower	Upper	
83	100		
131	8.5	4.7	14.1
85	65.3	32.6	97.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 55.307 ug/l

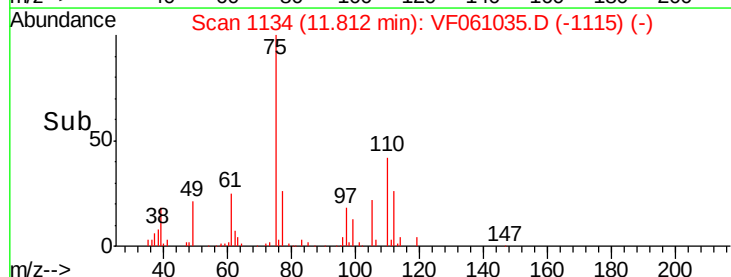
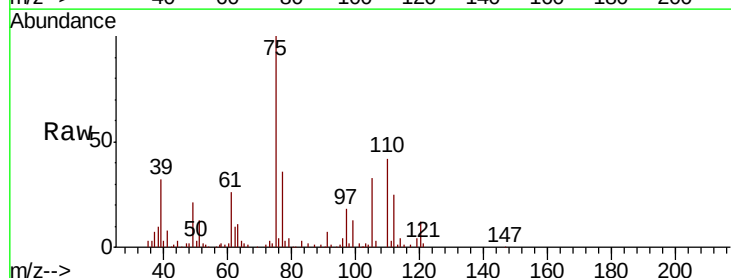
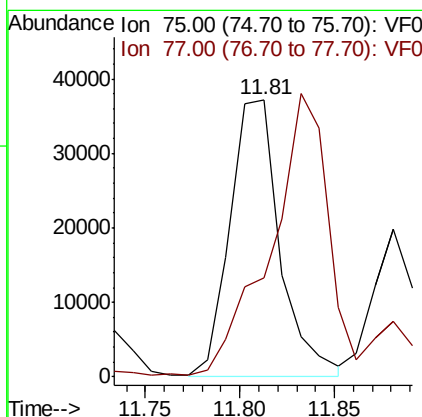
RT: 11.81 min Scan# 1134

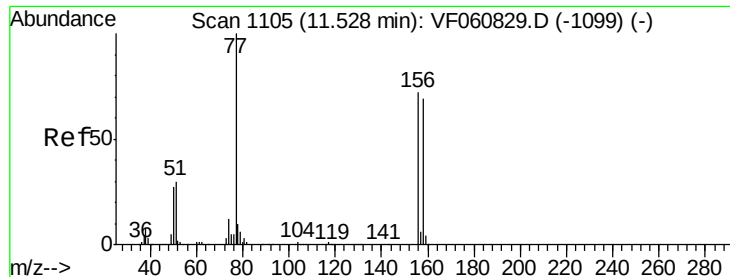
Delta R.T. -0.01 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Tgt Ion:	75	Resp:	68186
Ion Ratio	Lower	Upper	
75	100		
77	35.8	18.4	55.4





#77

Bromobenzene

Concen: 51.733 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :

MSVOA_F

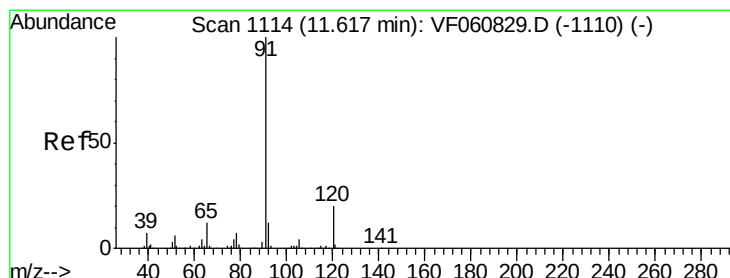
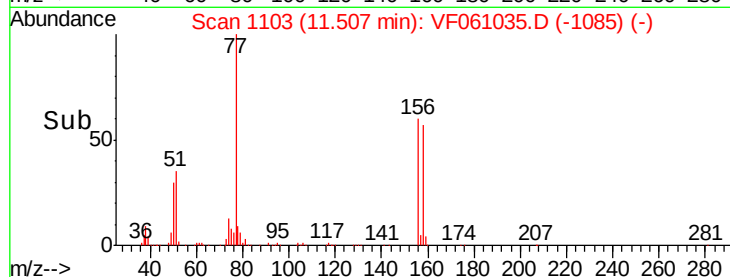
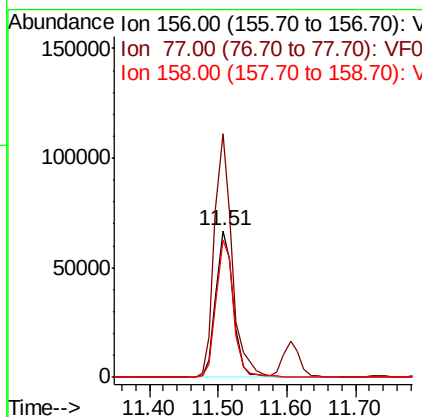
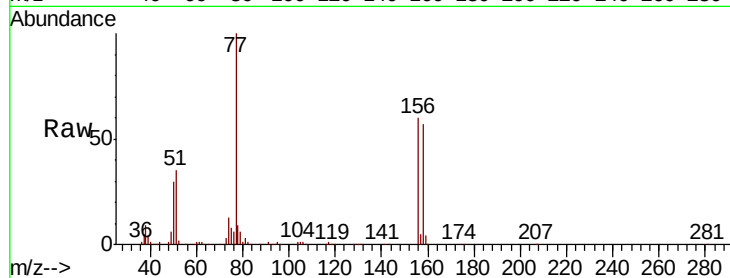
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	166.2	69.7	209.0
158	94.1	47.8	143.4

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#78

n-propylbenzene

Concen: 51.116 ug/l

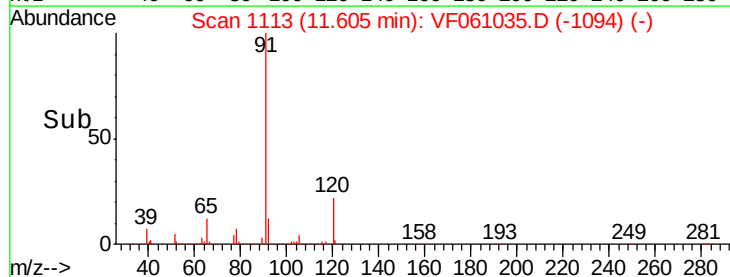
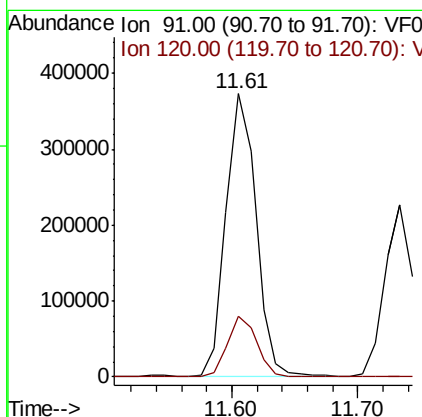
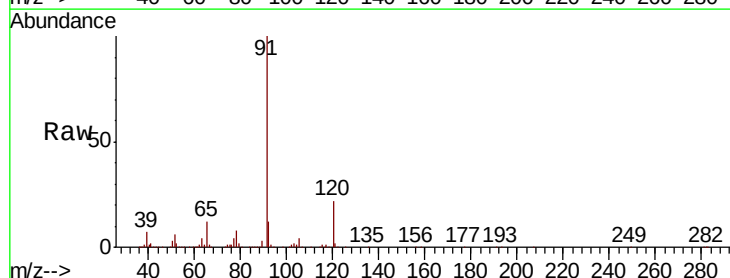
RT: 11.61 min Scan# 1113

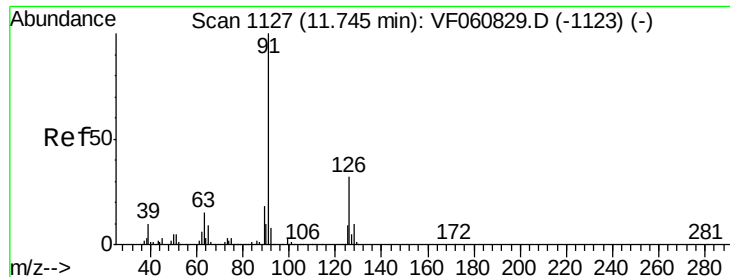
Delta R.T. -0.01 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.3	30.8





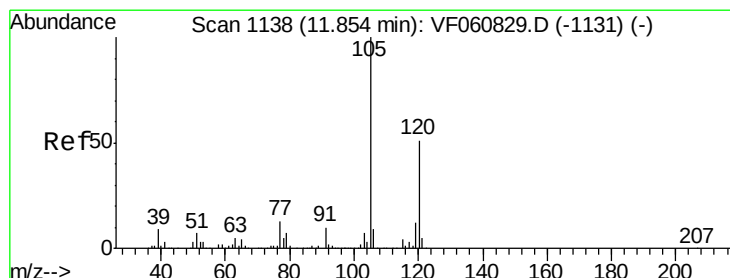
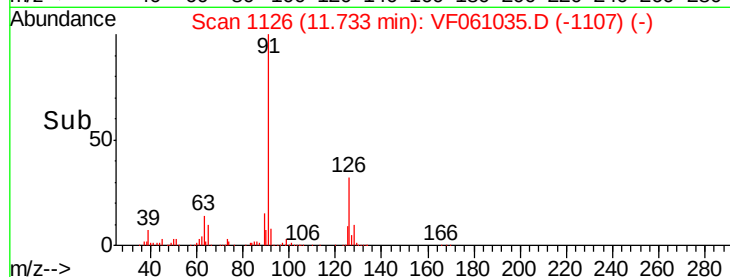
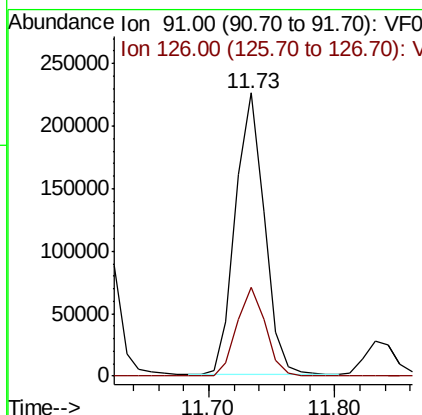
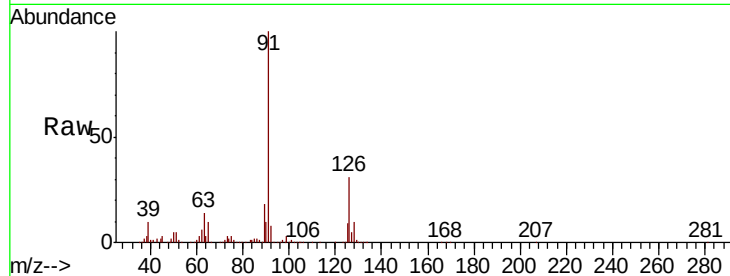
#79
 2-Chlorotoluene
 Concen: 51.726 ug/l
 RT: 11.73 min Scan# 1126
 Delta R.T. -0.01 min
 Lab File: VF061035.D
 Acq: 17 Dec 2018 11:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 357959
 Ion Ratio Lower Upper
 91 100
 126 31.5 15.9 47.6

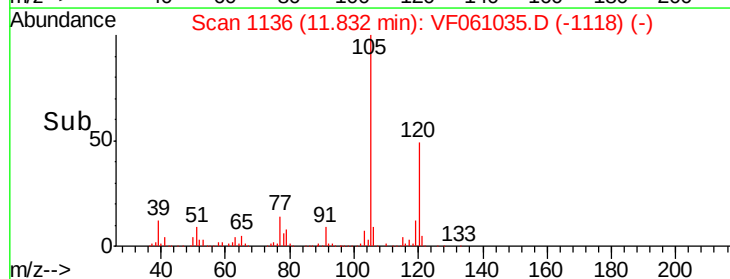
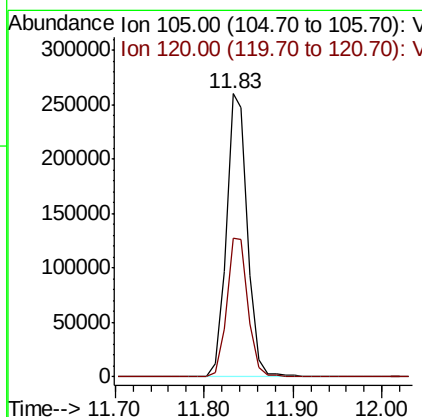
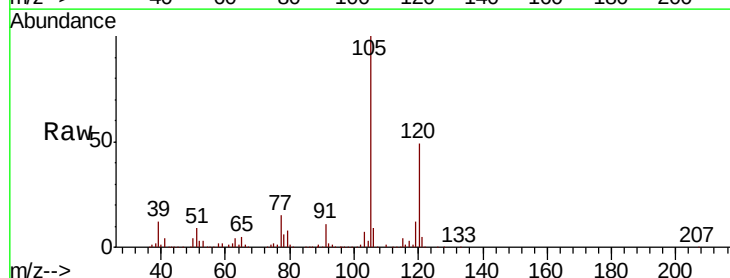
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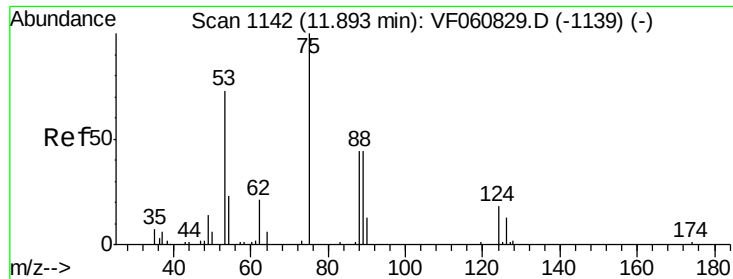
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#80
 1,3,5-Trimethylbenzene
 Concen: 52.230 ug/l
 RT: 11.83 min Scan# 1136
 Delta R.T. -0.02 min
 Lab File: VF061035.D
 Acq: 17 Dec 2018 11:59

Tgt Ion: 105 Resp: 436981
 Ion Ratio Lower Upper
 105 100
 120 49.1 25.8 77.3





#81

trans-1,4-Dichloro-2-butene

Concen: 53.427 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :

MSVOA_F

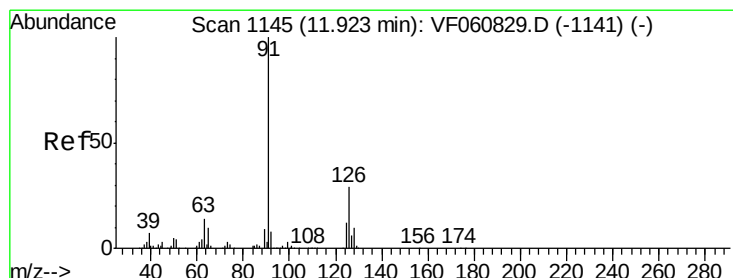
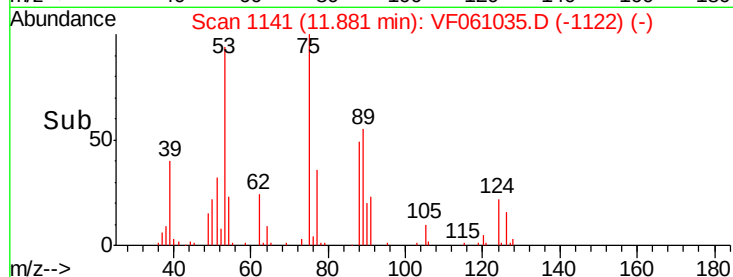
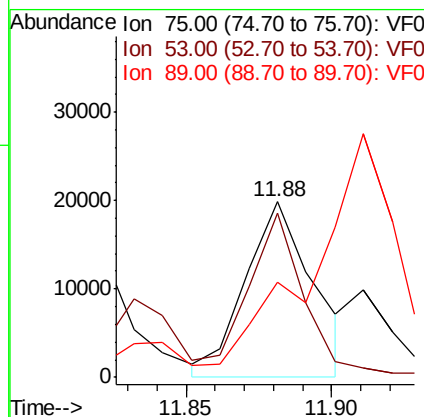
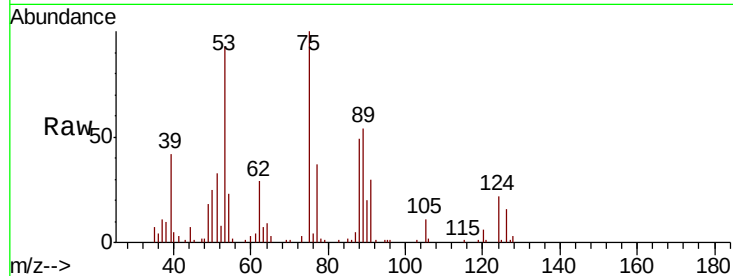
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	32273
Ion	Ratio	Lower	Upper
75	100		
53	93.4	65.9	98.9
89	54.5	38.8	58.2

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#82

4-Chlorotoluene

Concen: 52.427 ug/l

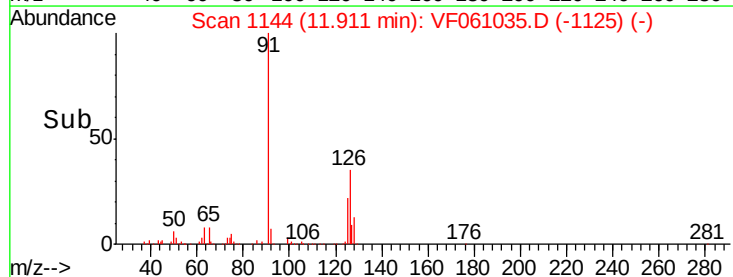
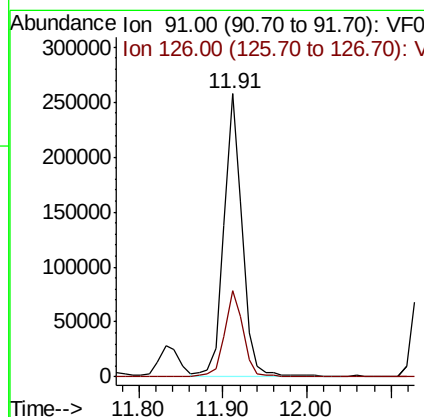
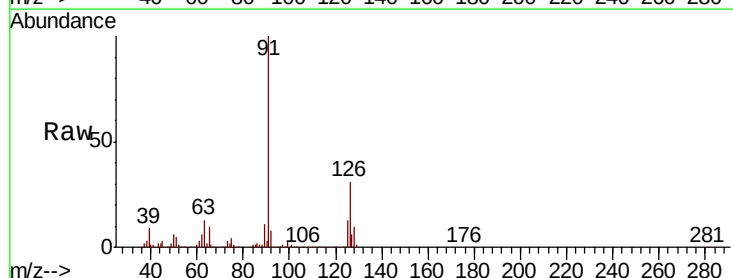
RT: 11.91 min Scan# 1144

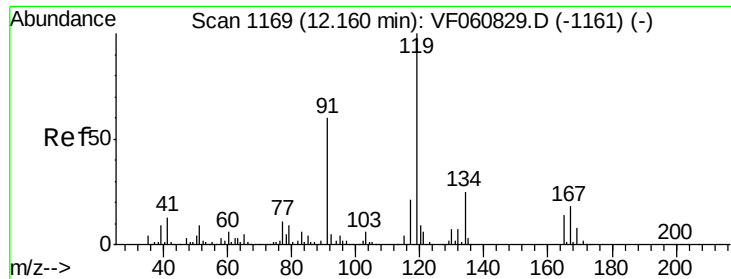
Delta R.T. -0.01 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Tgt Ion:	91	Resp:	381808
Ion	Ratio	Lower	Upper
91	100		
126	30.6	14.8	44.4





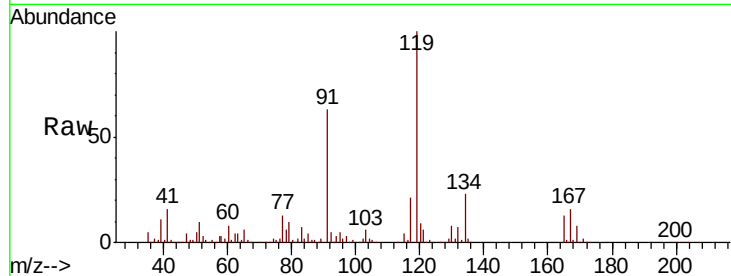
#83
 tert-Butylbenzene
 Concen: 54.078 ug/l
 RT: 12.14 min Scan# 1167
 Delta R.T. -0.02 min
 Lab File: VF061035.D
 Acq: 17 Dec 2018 11:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

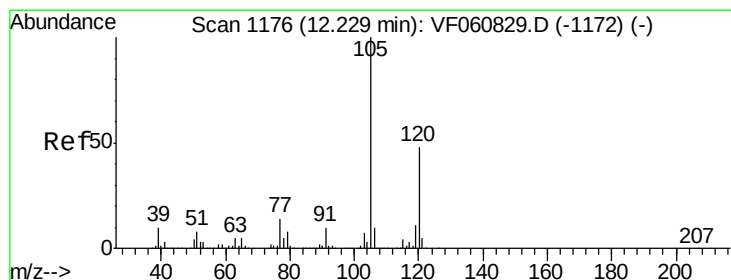
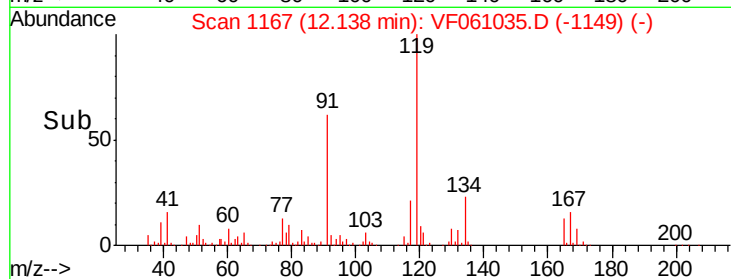
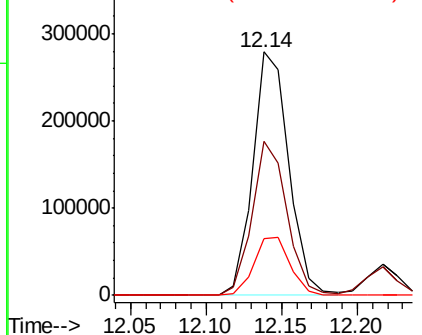
Tot Ion	Ratio	Resp	Lower	Upper
119	100	460878		
91	63.3	30.1	90.3	
134	23.5	12.6	37.8	

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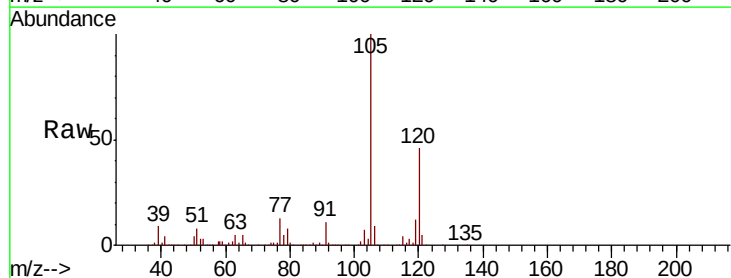


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

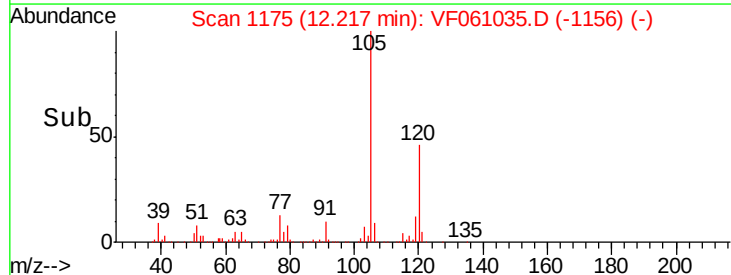
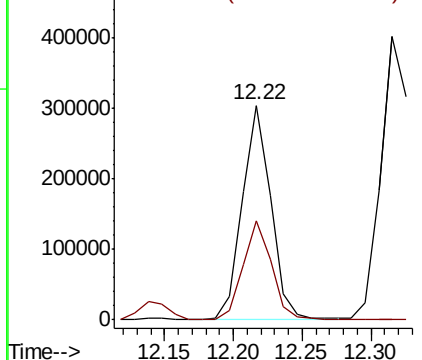


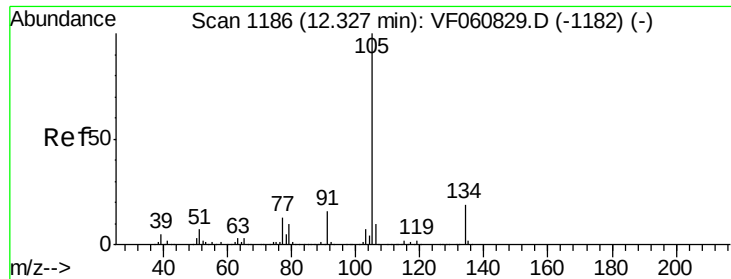
#84
 1,2,4-Trimethylbenzene
 Concen: 52.996 ug/l
 RT: 12.22 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: VF061035.D
 Acq: 17 Dec 2018 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	442518		
120	46.3	23.8	71.5	



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





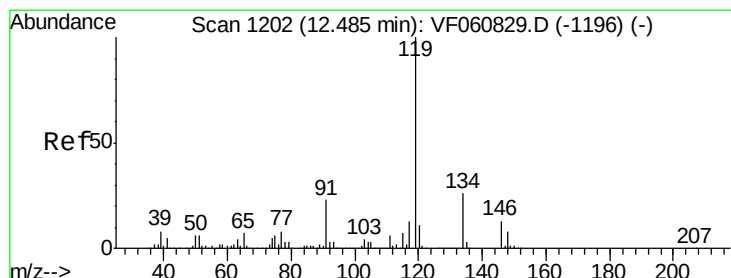
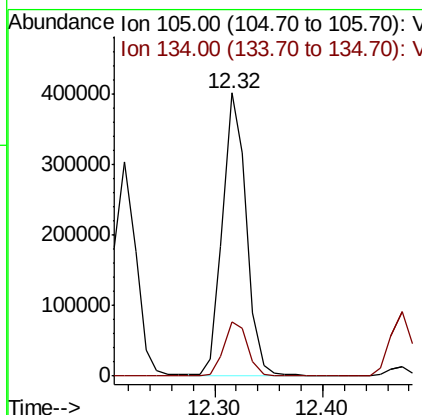
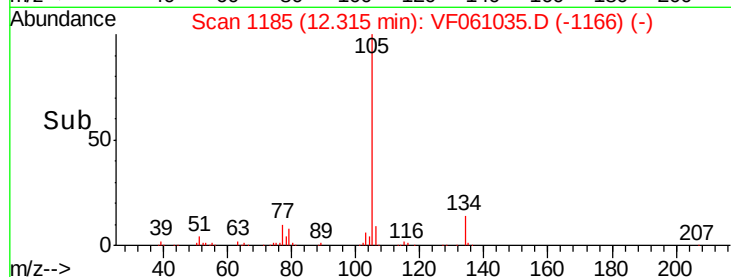
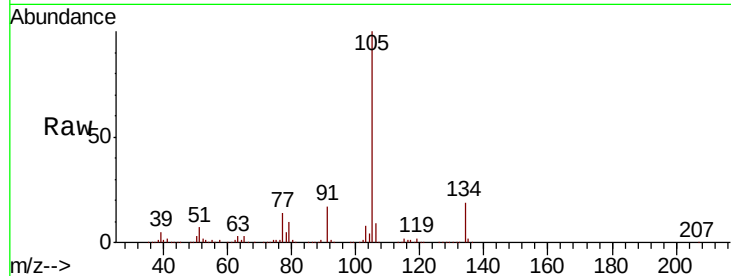
#85
 sec-Butylbenzene
 Concen: 52.593 ug/l
 RT: 12.32 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: VF061035.D
 Acq: 17 Dec 2018 11:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	613581		
134	19.1	9.5	28.5	

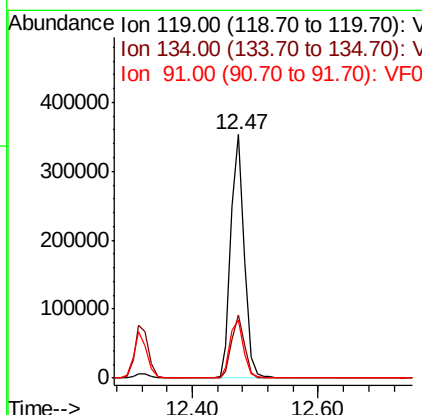
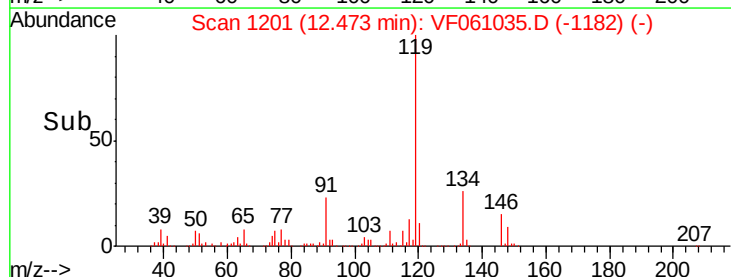
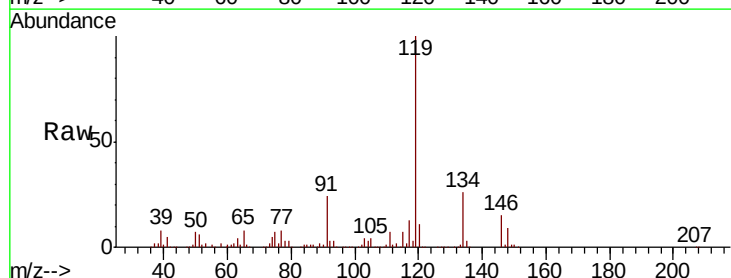
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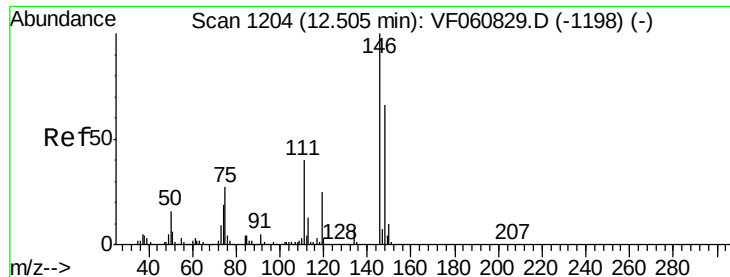
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#86
 p-Isopropyltoluene
 Concen: 52.558 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF061035.D
 Acq: 17 Dec 2018 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	514080		
134	26.1	12.9	38.6	
91	23.6	11.8	35.3	





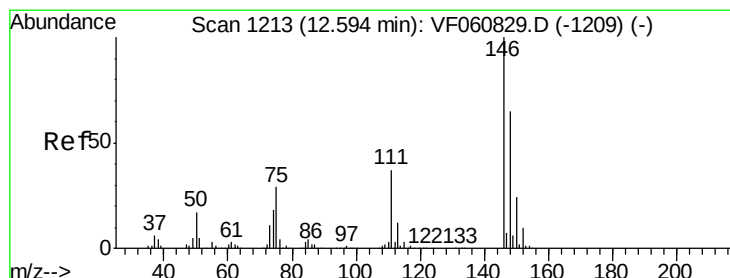
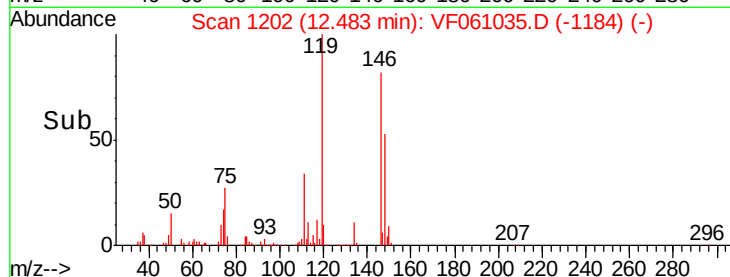
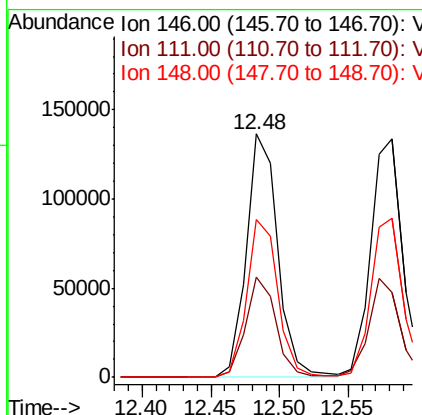
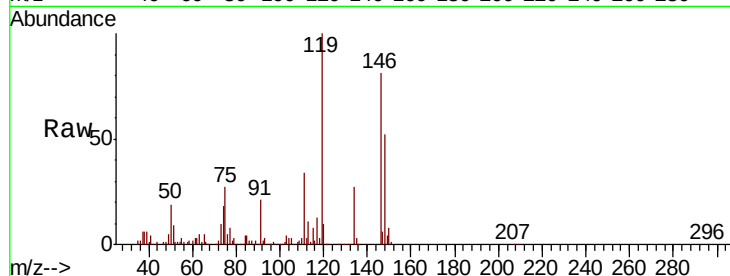
#87
 1,3-Dichlorobenzene
 Concen: 50.813 ug/l
 RT: 12.48 min Scan# 1202
 Delta R.T. -0.02 min
 Lab File: VF061035.D
 Acq: 17 Dec 2018 11:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.0	59.9
148	64.7	32.9	98.6

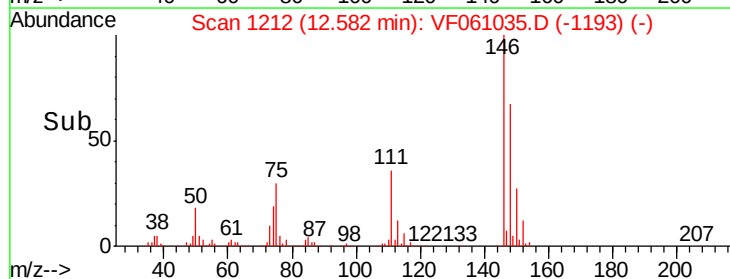
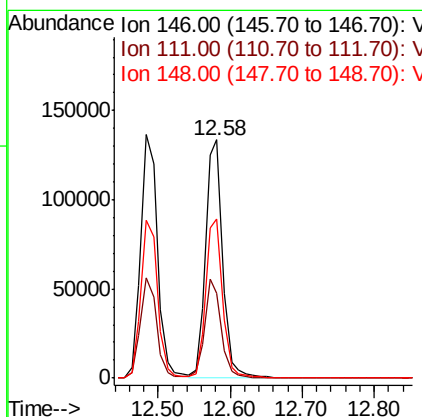
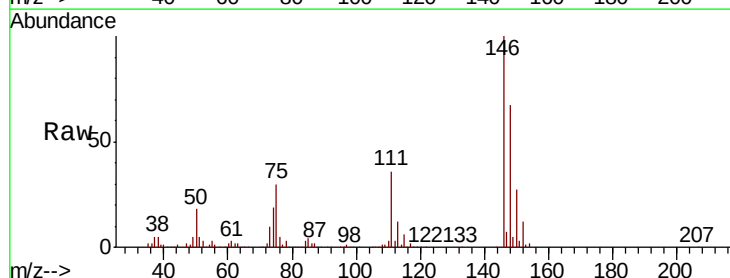
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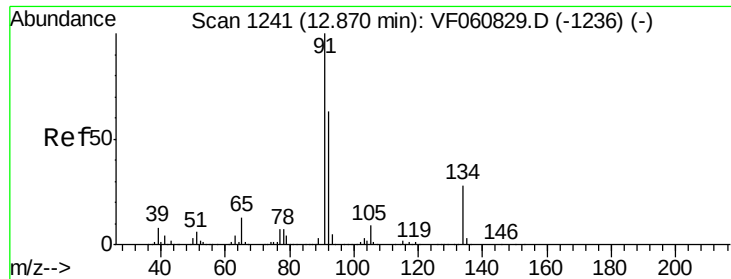
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#88
 1,4-Dichlorobenzene
 Concen: 52.529 ug/l
 RT: 12.58 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: VF061035.D
 Acq: 17 Dec 2018 11:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	18.9	56.7
148	67.1	32.3	96.9





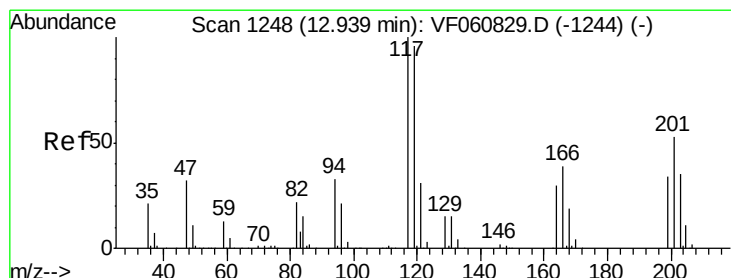
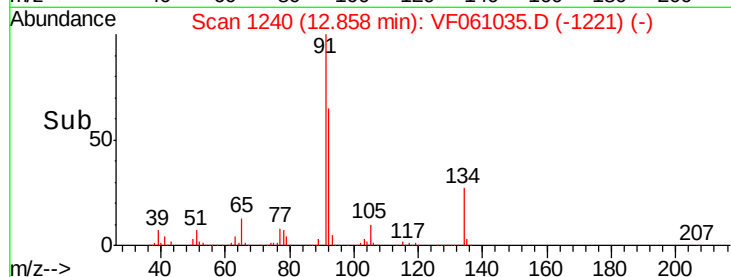
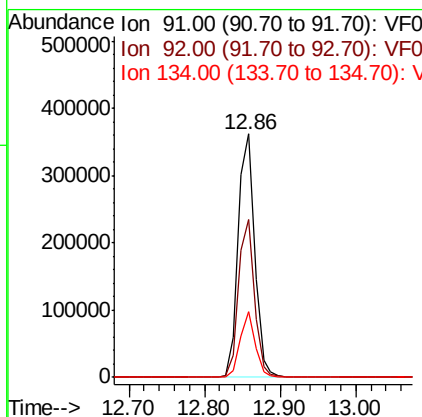
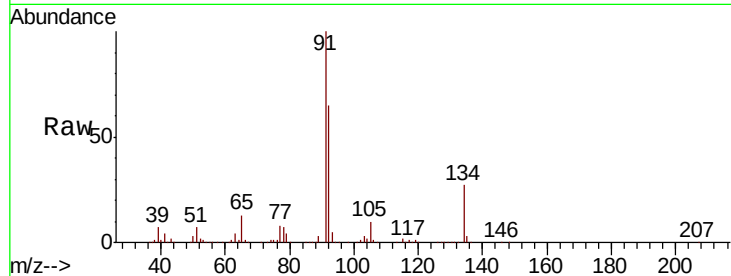
#89
n-Butylbenzene
Concen: 54.570 ug/l
RT: 12.86 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	539724		
92	64.8		31.6	94.7
134	27.2		13.8	41.4

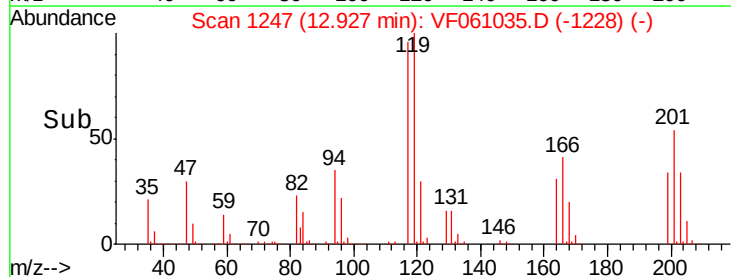
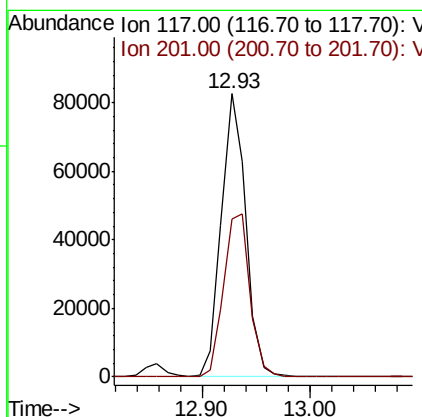
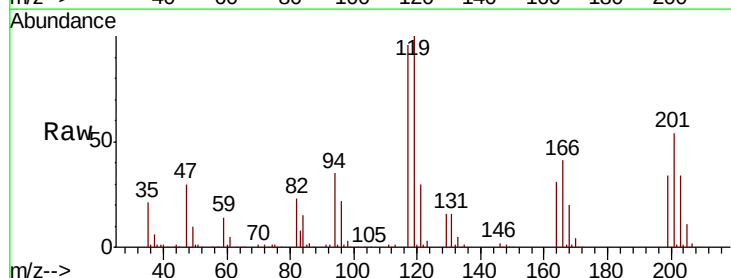
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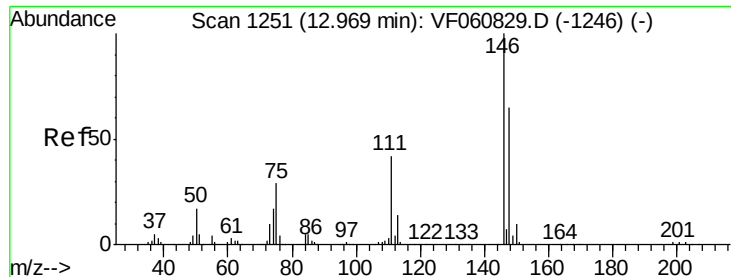
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#90
Hexachloroethane
Concen: 55.078 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. -0.01 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	129728		
201	55.7		26.7	80.1





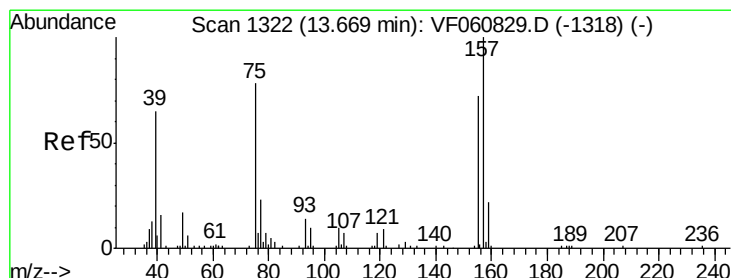
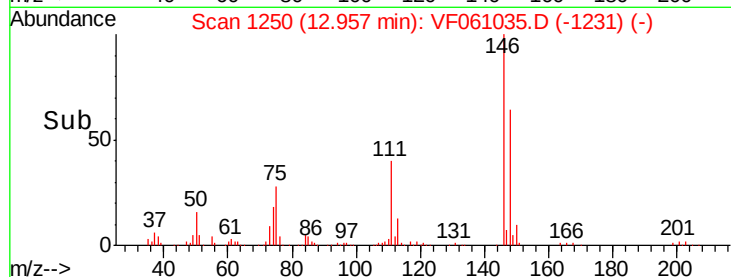
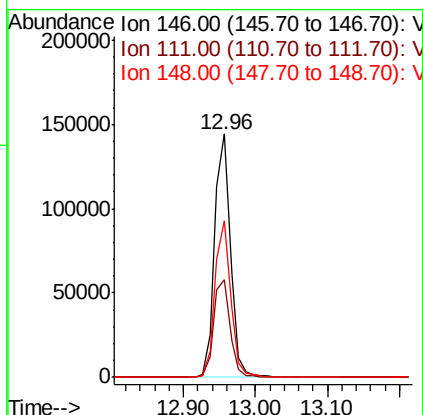
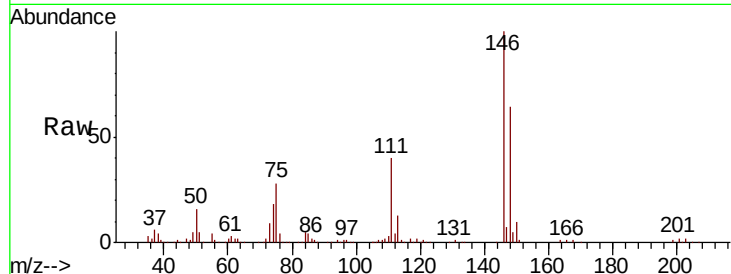
#91
 1,2-Dichlorobenzene
 Concen: 53.107 ug/l
 RT: 12.96 min Scan# 1250
 Delta R.T. -0.01 min
 Lab File: VF061035.D
 Acq: 17 Dec 2018 11:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	216145		
111	40.1	21.2	63.6	
148	64.4	32.5	97.5	

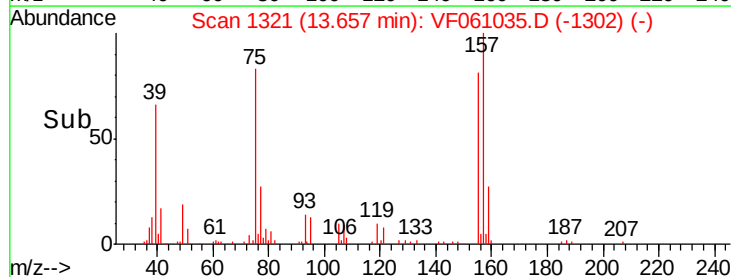
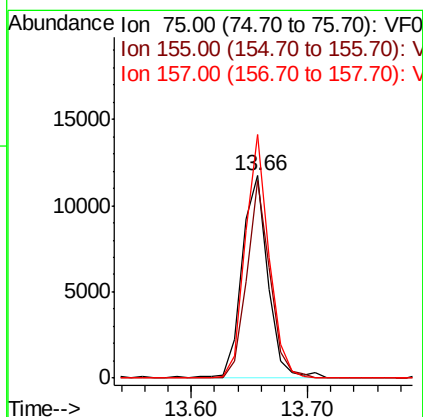
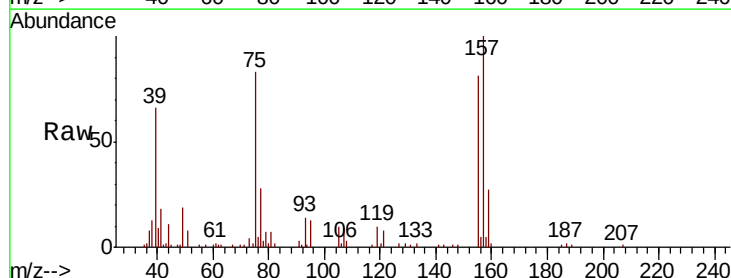
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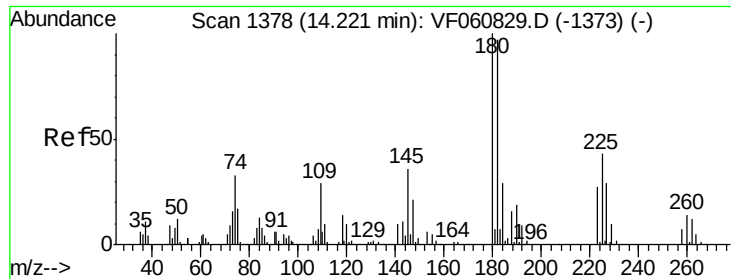
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.091 ug/l
 RT: 13.66 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VF061035.D
 Acq: 17 Dec 2018 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18066		
155	97.3	45.6	136.9	
157	120.4	63.8	191.5	





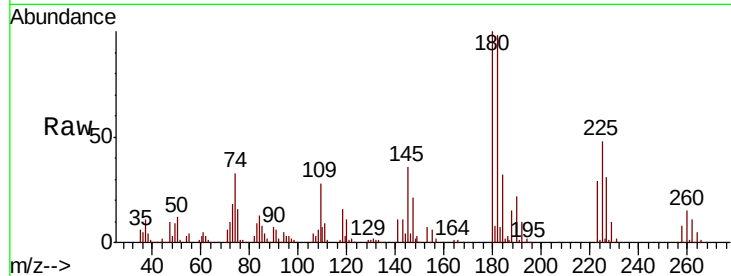
#93
 1,2,4-Trichlorobenzene
 Concen: 54.704 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.01 min
 Lab File: VF061035.D
 Acq: 17 Dec 2018 11:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.7	48.5	145.5	
145	35.5	18.1	54.3	

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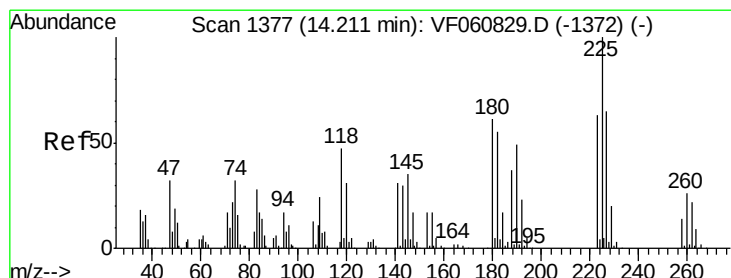
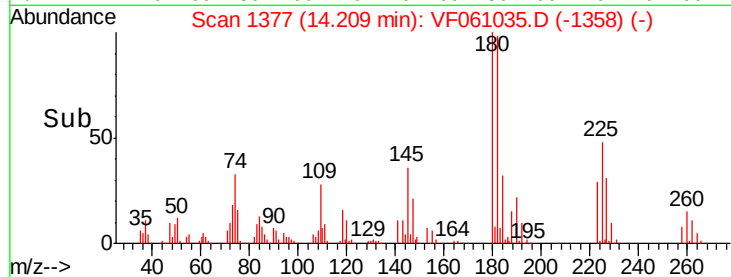
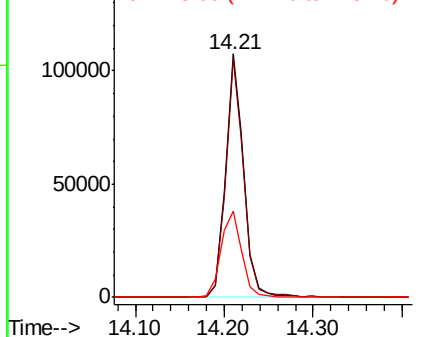


Abundance

Ion 180.00 (179.70 to 180.70): V

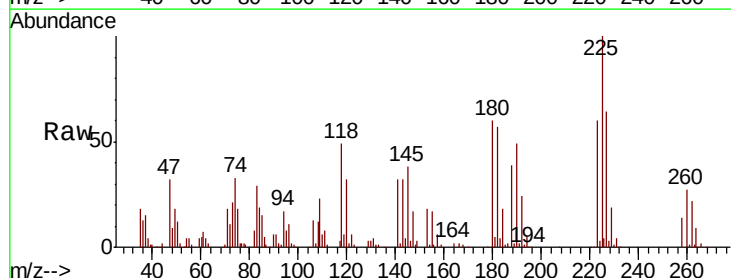
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 56.425 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF061035.D
 Acq: 17 Dec 2018 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	59.9	31.4	94.3	
227	64.5	32.5	97.5	

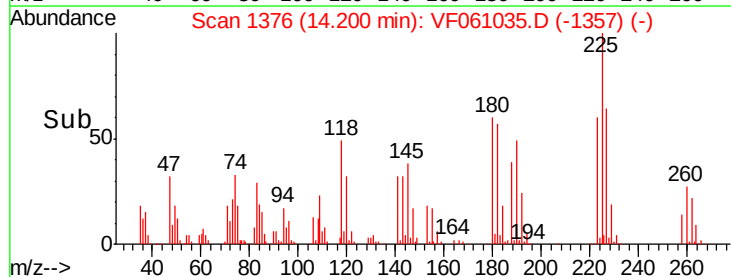
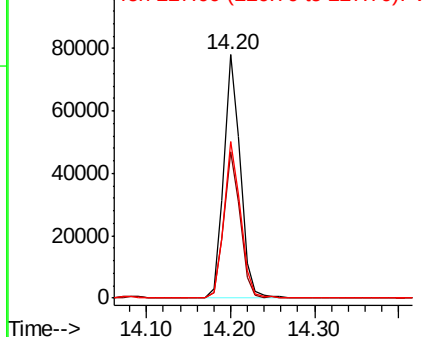


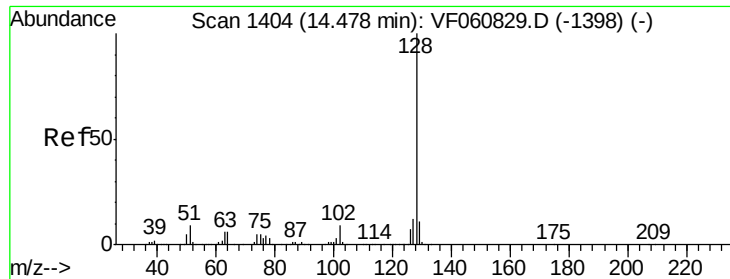
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





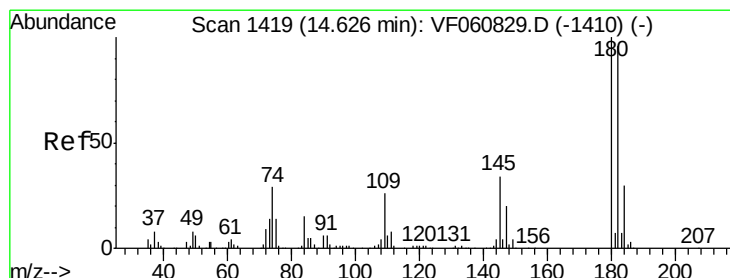
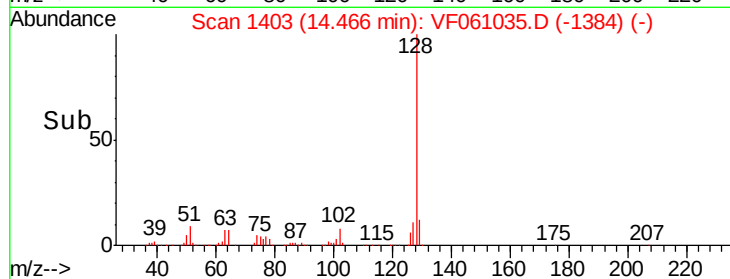
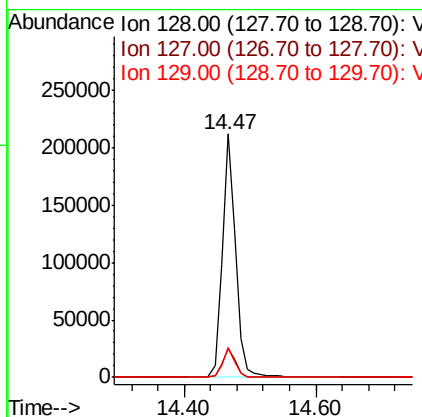
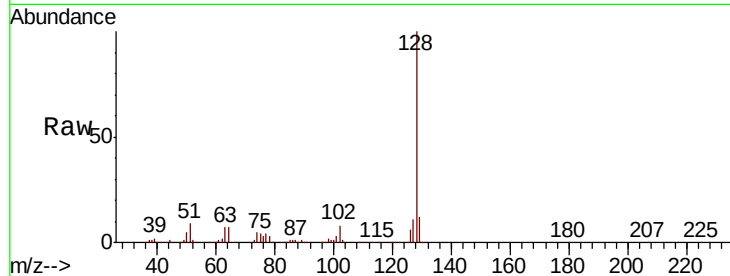
#95
Naphthalene
Concen: 54.637 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. -0.01 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	299786		
127	11.5		9.9	14.9
129	12.2		9.1	13.7

Manual Integrations
APPROVED

apatel
12/18/2018 2:32:09 PM



#96
1,2,3-Trichlorobenzene
Concen: 54.575 ug/l
RT: 14.61 min Scan# 1418
Delta R.T. -0.01 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	144107		
182	95.5		47.9	143.8
145	33.7		17.2	51.5

