

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082018\
 Data File : VF060002.D
 Acq On : 20 Aug 2018 15:13
 Operator : VA/AP
 Sample : VF0820SBS01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0820SBS01

Manual Integrations
 APPROVED

apatel
 8/21/2018 10:01:36 AM

Quant Time: Aug 21 04:49:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:11:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	123060	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	169888	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	186844	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.64	152	127786	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	128533	54.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.22%	
35) Dibromofluoromethane	4.29	113	96173	55.39	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	110.78%	
50) Toluene-d8	7.71	98	209585	54.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.56%	
62) 4-Bromofluorobenzene	11.51	95	131300	55.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	49580	23.75	ug/l	99
3) Chloromethane	1.07	50	32741	32.98	ug/l	94
4) Vinyl Chloride	1.11	62	32802	26.32	ug/l	88
5) Bromomethane	1.31	94	28841	25.57	ug/l	85
6) Chloroethane	1.39	64	15073	23.29	ug/l	100
7) Trichlorofluoromethane	1.48	101	79228	22.15	ug/l	96
8) Diethyl Ether	1.70	74	11587	21.95	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.85	101	41723	24.88	ug/l	94
10) Methyl Iodide	1.92	142	50639	23.93	ug/l	96
11) Tert butyl alcohol	2.68	59	13863	100.14	ug/l	96
12) 1,1-Dichloroethene	1.82	96	28324	24.49	ug/l	84
13) Acrolein	2.09	56	5232	79.53	ug/l #	81
14) Allyl chloride	2.19	41	46407	23.65	ug/l	92
15) Acrylonitrile	3.07	53	25110	112.18	ug/l	97
16) Acetone	2.33	43	85537	124.30	ug/l	96
17) Carbon Disulfide	1.83	76	95223	25.90	ug/l	98
18) Methyl Acetate	2.44	43	29105	22.27	ug/l	99
19) Methyl tert-butyl Ether	2.53	73	78700	20.67	ug/l	98
20) Methylene Chloride	2.28	84	36817	25.98	ug/l	87
21) trans-1,2-Dichloroethene	2.41	96	28107	22.64	ug/l	95
22) Diisopropyl ether	2.92	45	91221	21.73	ug/l	98
23) Vinyl Acetate	3.33	43	226511	134.03	ug/l	99
24) 1,1-Dichloroethane	2.99	63	65074	23.64	ug/l	98
25) 2-Butanone	4.50	43	60967	106.17	ug/l	97
26) 2,2-Dichloropropane	3.75	77	60315	24.73	ug/l	92
27) cis-1,2-Dichloroethene	3.64	96	24010	21.15	ug/l	96
28) Bromochloromethane	3.89	49	18171	23.01	ug/l	99
29) Tetrahydrofuran	4.25	42	20208	98.60	ug/l	98
30) Chloroform	4.03	83	72194	22.68	ug/l	97
31) Cyclohexane	3.85	56	26608	21.11	ug/l #	88
32) 1,1,1-Trichloroethane	4.27	97	70762	22.78	ug/l	92
36) 1,1-Dichloropropene	4.45	75	44360	22.93	ug/l	91
37) Ethyl Acetate	4.29	43	24153	22.58	ug/l	87
38) Carbon Tetrachloride	4.17	117	63606	22.92	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	31023	21.37	ug/l	86
40) Benzene	4.81	78	71456	21.82	ug/l	99
41) Methacrylonitrile	4.92	41	10095	19.71	ug/l	98
42) 1,2-Dichloroethane	5.11	62	57190	20.59	ug/l	100
43) Isopropyl Acetate	7.11	43	22175	18.84	ug/l #	88
44) Trichloroethene	5.68	130	27633	21.62	ug/l	98
45) 1,2-Dichloropropane	6.41	63	19265	20.56	ug/l	93
46) Dibromomethane	6.25	93	20007	21.65	ug/l	94
47) Bromodichloromethane	6.54	83	57320	22.98	ug/l	98
48) Methyl methacrylate	6.87	41	18880	21.55	ug/l #	90
49) 1,4-Dioxane	6.86	88	2900	412.86	ug/l	91
51) 4-Methyl-2-Pentanone	8.41	43	116769	106.19	ug/l	99
52) Toluene	7.78	92	55359	22.58	ug/l	94
53) t-1,3-Dichloropropene	8.43	75	46832	22.26	ug/l	92
54) cis-1,3-Dichloropropene	7.45	75	45713	22.50	ug/l	96
55) 1,1,2-Trichloroethane	8.63	97	20670	21.02	ug/l	95
56) Ethyl methacrylate	8.76	69	23160	20.33	ug/l	96
57) 1,3-Dichloropropane	9.00	76	37812	21.57	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.78	63	13495	141.23	ug/l	100
59) 2-Hexanone	9.63	43	102116	112.47	ug/l	99
60) Dibromochloromethane	8.86	129	39056	21.73	ug/l	96
61) 1,2-Dibromoethane	9.14	107	26094	21.27	ug/l	93
64) Tetrachloroethene	8.31	164	29009	20.38	ug/l	88
65) Chlorobenzene	9.94	112	75831	20.56	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	37475	22.09	ug/l	97
67) Ethyl Benzene	10.04	91	173618	25.93	ug/l	100
68) m/p-Xylenes	10.27	106	99690	42.97	ug/l	93
69) o-Xylene	10.83	106	52791	22.20	ug/l	99
70) Styrene	10.90	104	82257	21.59	ug/l	98
71) Bromoform	10.89	173	25076	19.99	ug/l	96
73) Isopropylbenzene	11.23	105	176864	23.09	ug/l	99
74) N-amyl acetate	11.46	43	43178	19.86	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.79	83	31360	20.85	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	27690	20.79	ug/l	98
77) Bromobenzene	11.60	156	47540	22.25	ug/l	81
78) n-propylbenzene	11.69	91	207105	21.78	ug/l	97
79) 2-Chlorotoluene	11.82	91	121980	21.11	ug/l	92
80) 1,3,5-Trimethylbenzene	11.92	105	155149	22.40	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.96	75	10232m	18.20	ug/l	
82) 4-Chlorotoluene	11.99	91	141266	22.34	ug/l	95
83) tert-Butylbenzene	12.21	119	152428	22.40	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	161159	22.10	ug/l	100
85) sec-Butylbenzene	12.39	105	200374	22.28	ug/l	96
86) p-Isopropyltoluene	12.54	119	178844	22.48	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	91134	22.35	ug/l	99
88) 1,4-Dichlorobenzene	12.65	146	85850	21.50	ug/l	98
89) n-Butylbenzene	12.92	91	173145	22.52	ug/l	95
90) Hexachloroethane	13.00	117	40458	22.58	ug/l	92
91) 1,2-Dichlorobenzene	13.02	146	84735	21.71	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	8718	20.96	ug/l	97

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Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:11:02 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	69145	21.71	ug/l	97
94) Hexachlorobutadiene	14.26	225	45961	21.54	ug/l	98
95) Naphthalene	14.53	128	85763	19.13	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	66054	21.51	ug/l	97

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

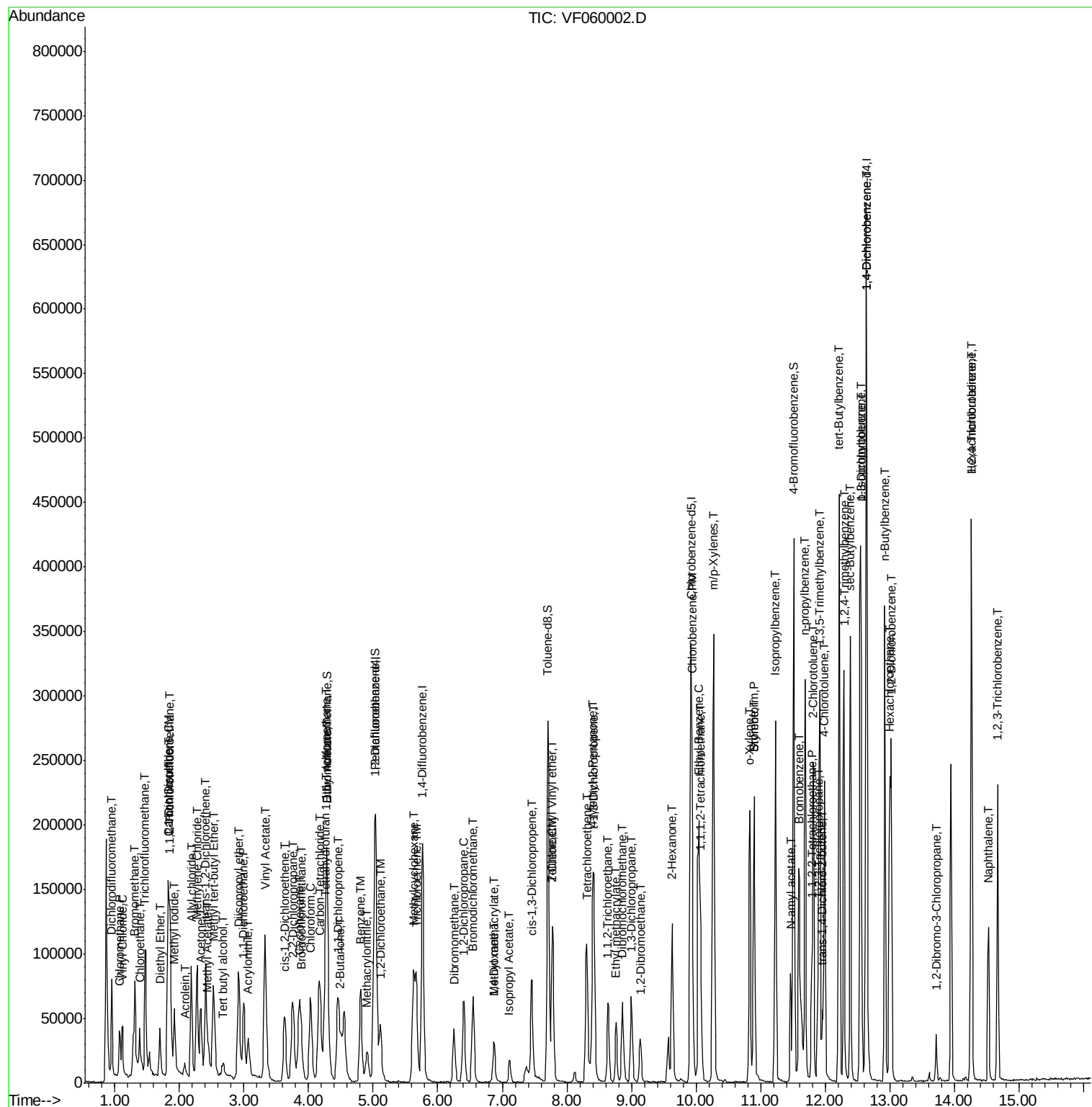
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082018\
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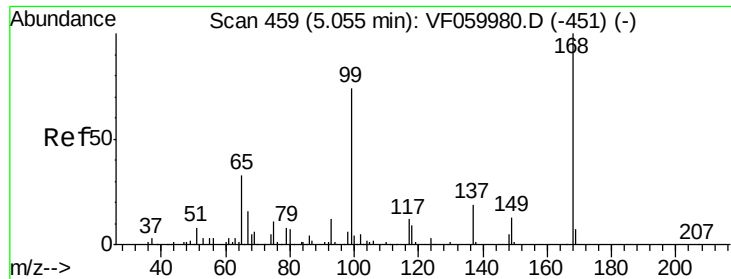
Instrument :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

Tot Ion:168 Resp: 123060

Ion Ratio Lower Upper

168 100

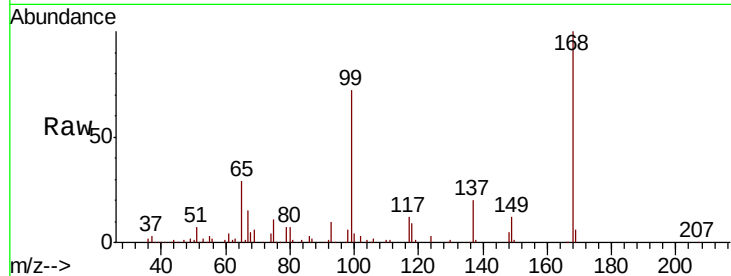
99 72.2 59.0 88.6

Manual Integrations

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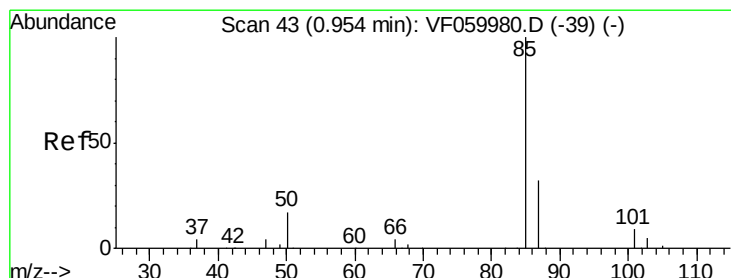
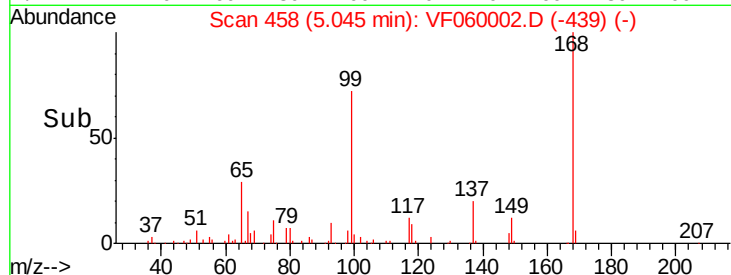
Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 23.75 ug/l

RT: 0.95 min Scan# 43

Delta R.T. 0.00 min

Lab File: VF060002.D

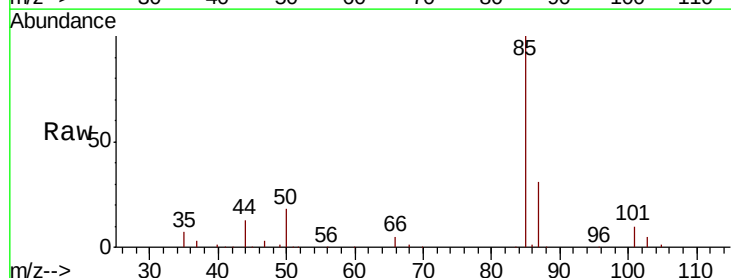
Acq: 20 Aug 2018 15:13

Tgt Ion: 85 Resp: 49580

Ion Ratio Lower Upper

85 100

87 31.4 15.9 47.7



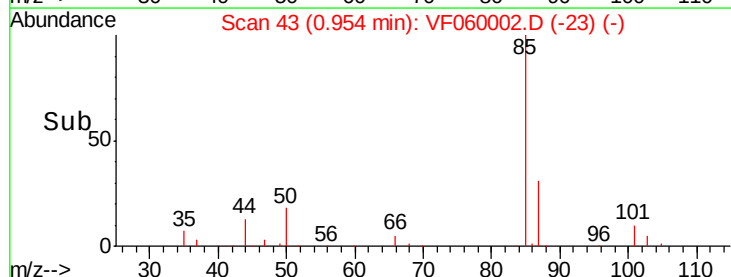
Abundance Ion 85.00 (84.70 to 85.70): VF0

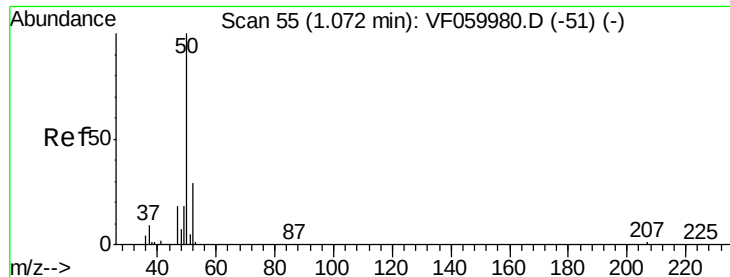
Ion 87.00 (86.70 to 87.70): VF0

0.95

0.90 0.95 1.00 1.05

Time-->





#3

Chloromethane

Concen: 32.98 ug/l

RT: 1.07 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

Tot Ion: 50 Resp: 32741

Ion Ratio Lower Upper

50 100

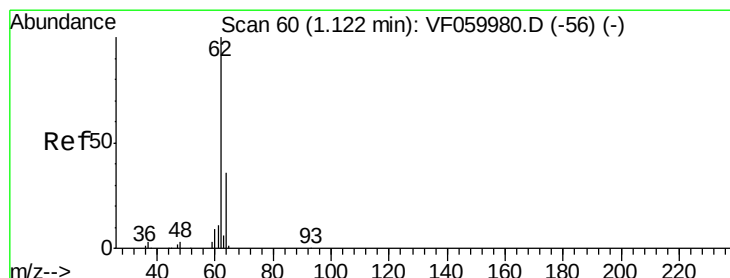
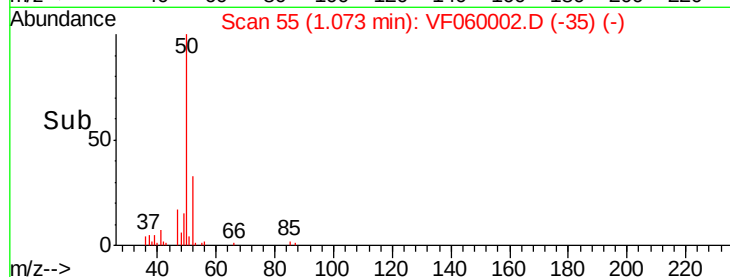
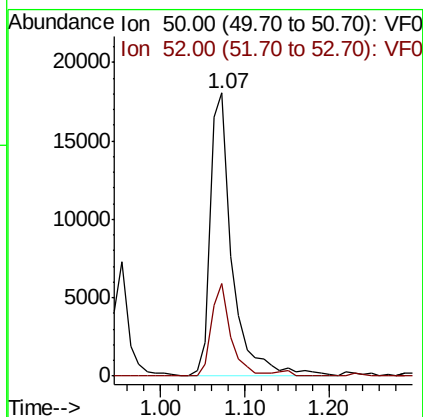
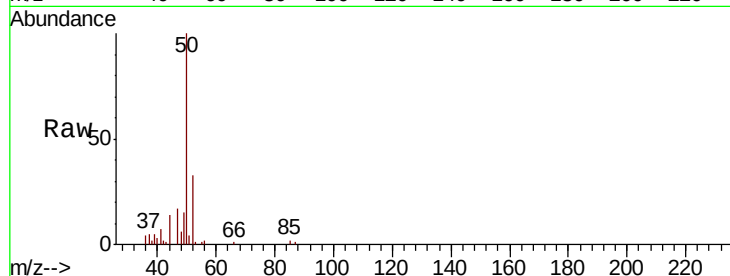
52 33.0 23.6 35.4

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#4

Vinyl Chloride

Concen: 26.32 ug/l

RT: 1.11 min Scan# 59

Delta R.T. -0.01 min

Lab File: VF060002.D

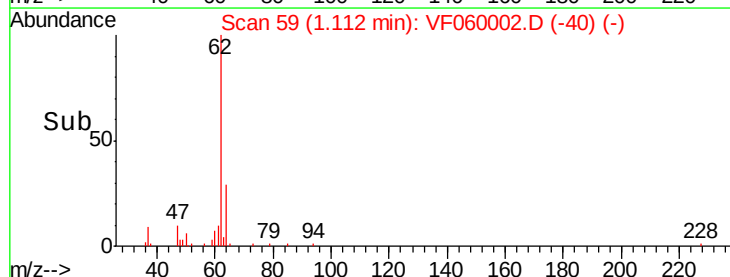
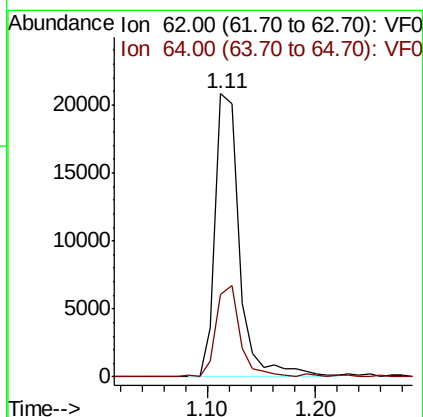
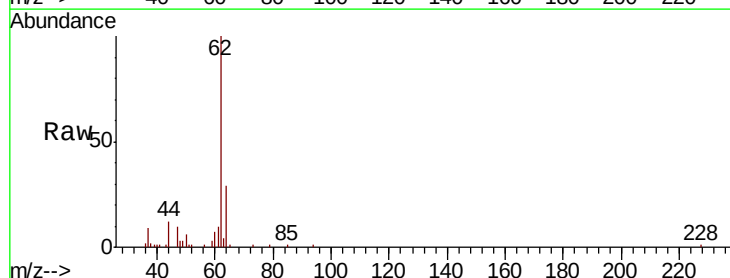
Acq: 20 Aug 2018 15:13

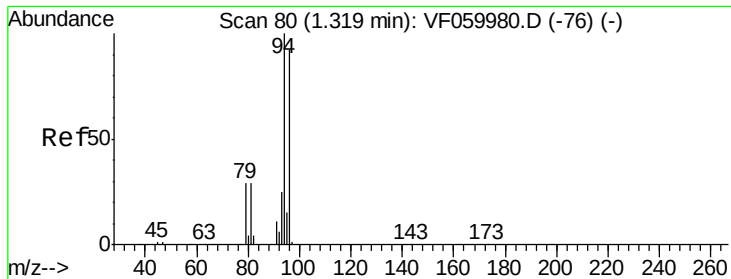
Tgt Ion: 62 Resp: 32802

Ion Ratio Lower Upper

62 100

64 29.1 28.7 43.1





#5

Bromomethane

Concen: 25.57 ug/l

RT: 1.31 min Scan# 79

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

Tot Ion: 94 Resp: 28841

Ion Ratio Lower Upper

94 100

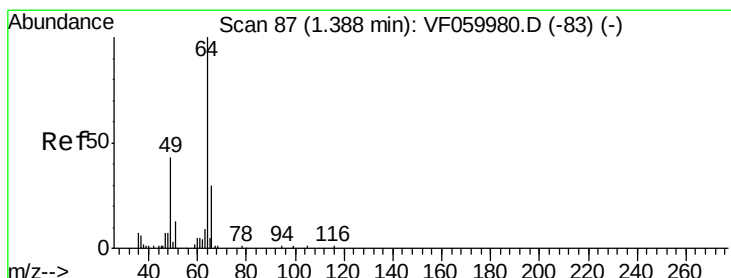
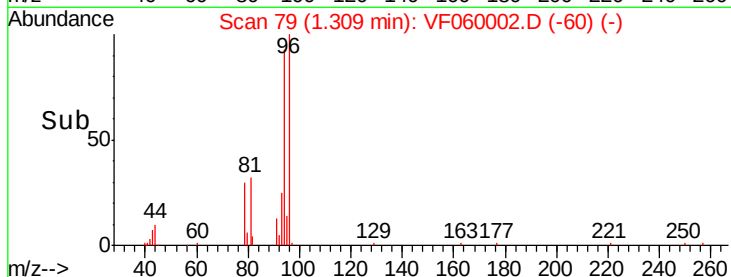
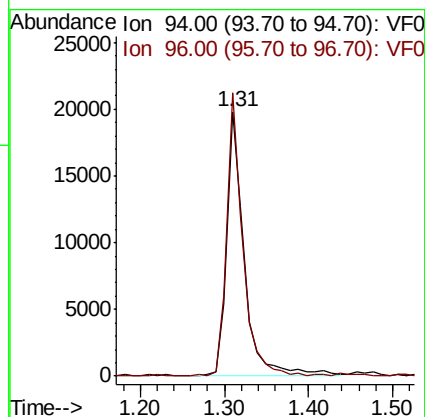
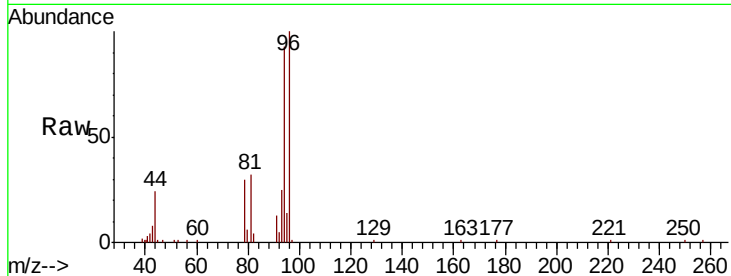
96 107.0 73.9 110.9

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#6

Chloroethane

Concen: 23.29 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF060002.D

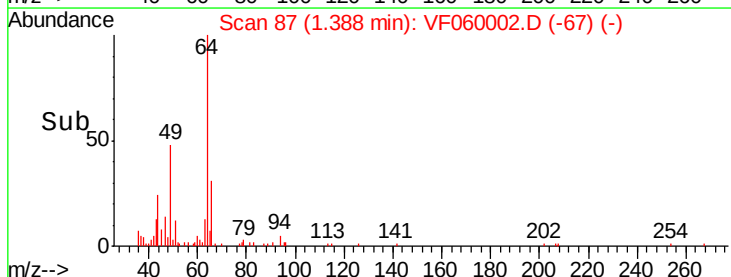
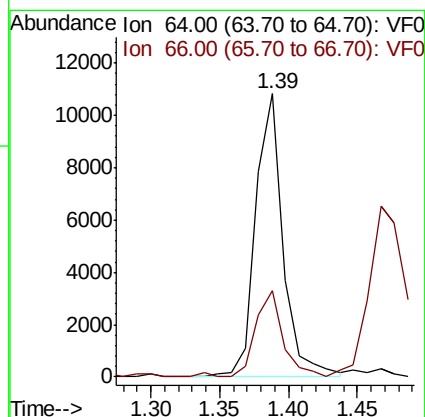
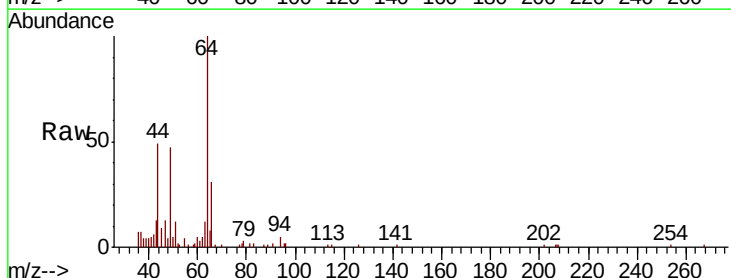
Acq: 20 Aug 2018 15:13

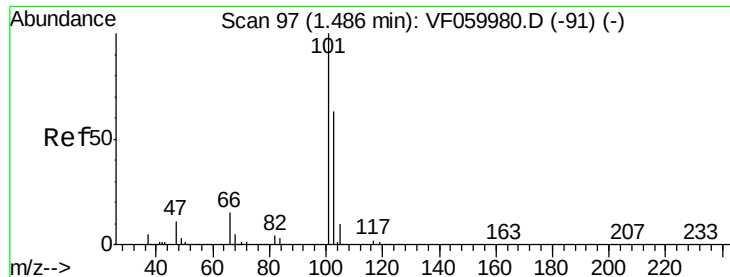
Tgt Ion: 64 Resp: 15073

Ion Ratio Lower Upper

64 100

66 30.7 24.4 36.6





#7

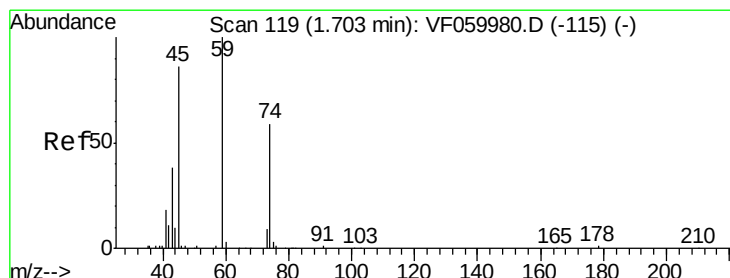
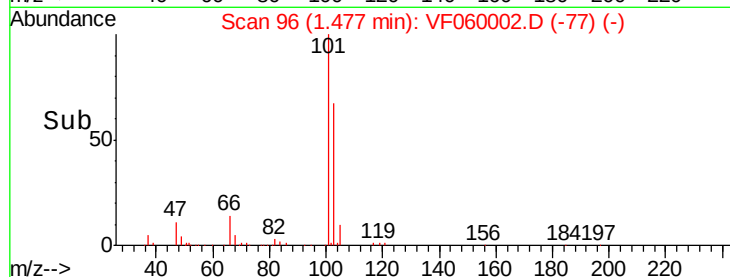
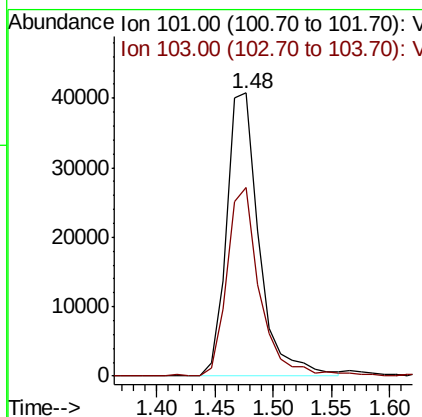
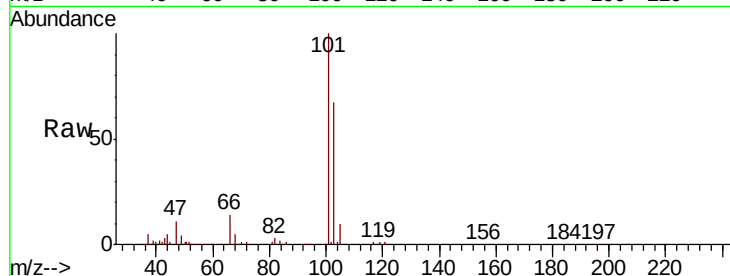
Trichlorofluoromethane
 Concen: 22.15 ug/l
 RT: 1.48 min Scan# 96
 Delta R.T. -0.01 min
 Lab File: VF060002.D
 Acq: 20 Aug 2018 15:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0820SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	50.8	76.2

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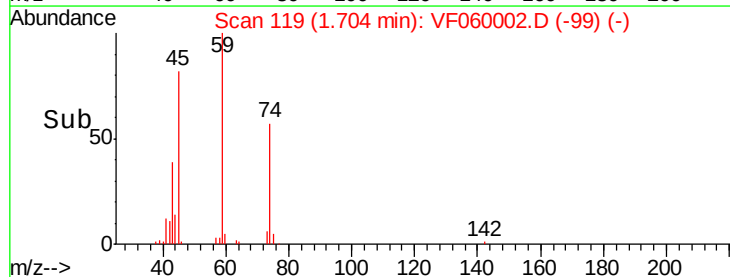
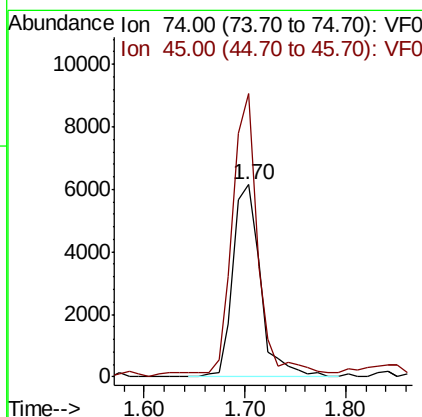
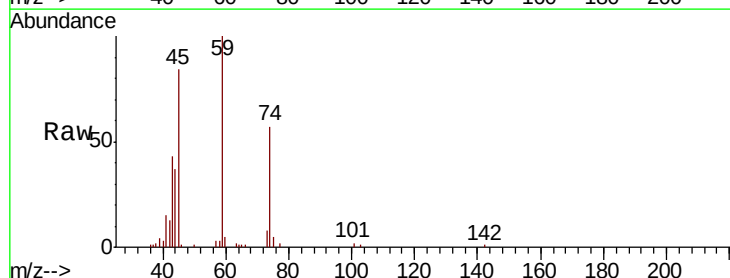
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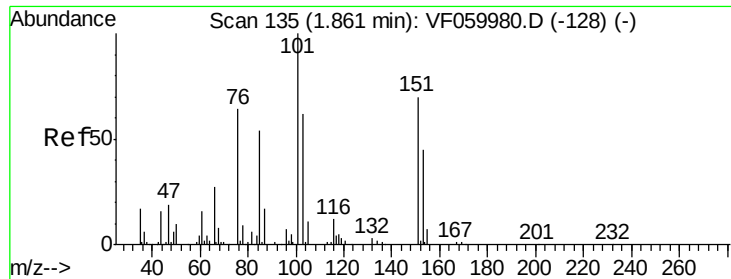


#8

Diethyl Ether
 Concen: 21.95 ug/l
 RT: 1.70 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VF060002.D
 Acq: 20 Aug 2018 15:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	147.3	73.5	220.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.88 ug/l

RT: 1.85 min Scan# 134

Delta R.T. -0.01 min

Lab File: VF060002.D

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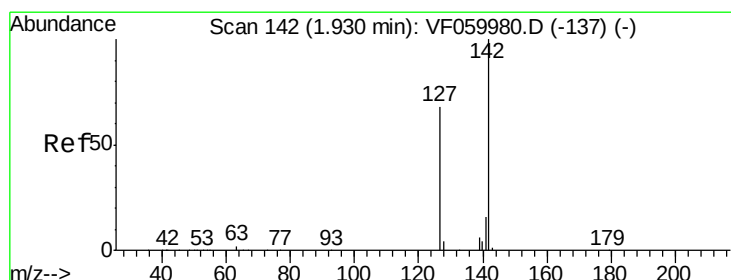
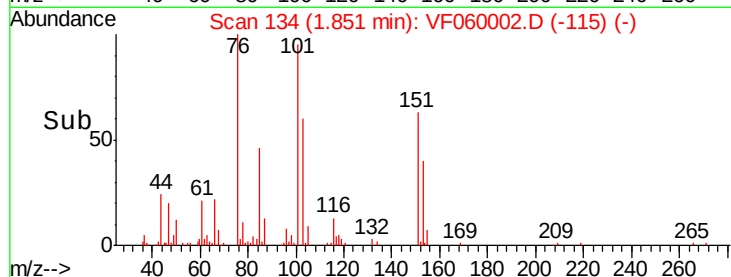
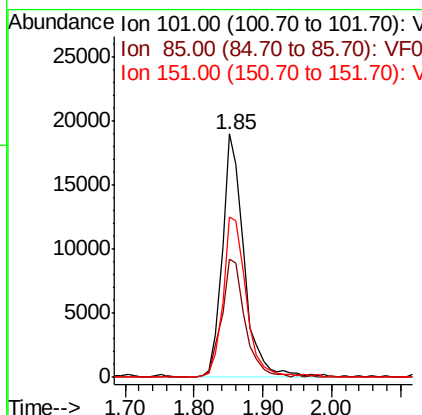
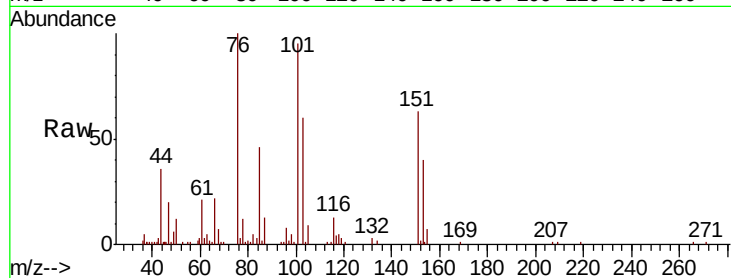
ClientSampleId :

VF0820SBS01

Tot Ion:	101	Resp:	41723
Ion Ratio	Lower	Upper	
101	100		
85	48.6	43.0	64.6
151	66.0	56.2	84.2

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#10

Methyl Iodide

Concen: 23.93 ug/l

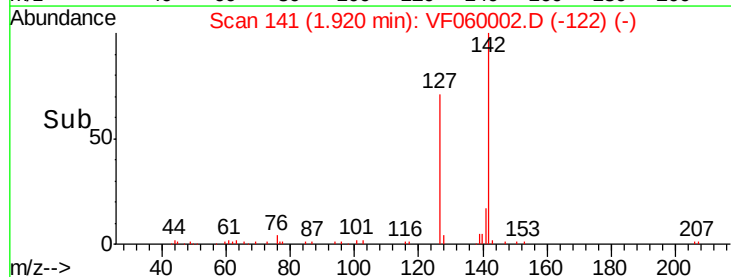
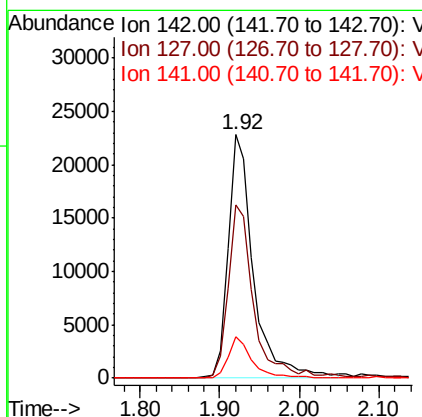
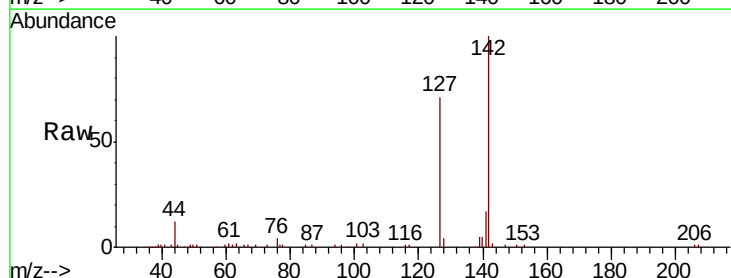
RT: 1.92 min Scan# 141

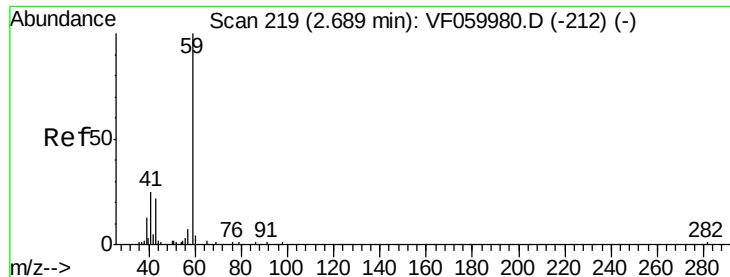
Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Tgt Ion:	142	Resp:	50639
Ion Ratio	Lower	Upper	
142	100		
127	71.0	54.1	81.1
141	16.8	12.5	18.7





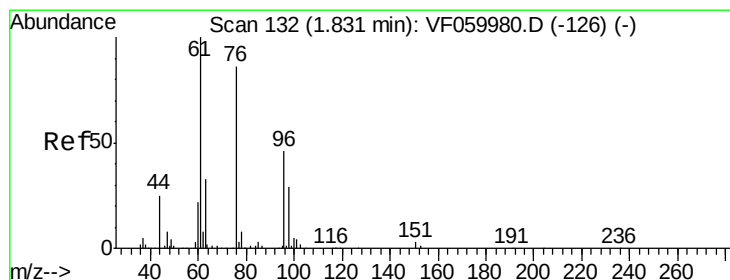
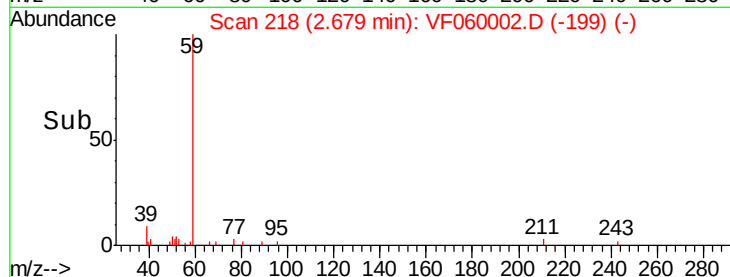
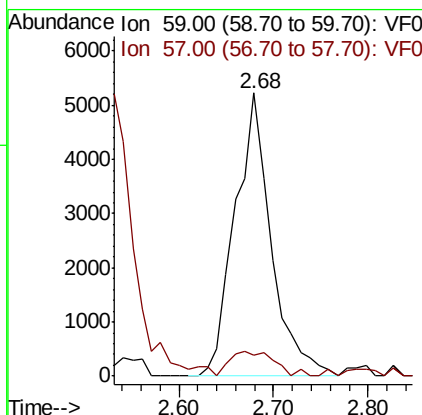
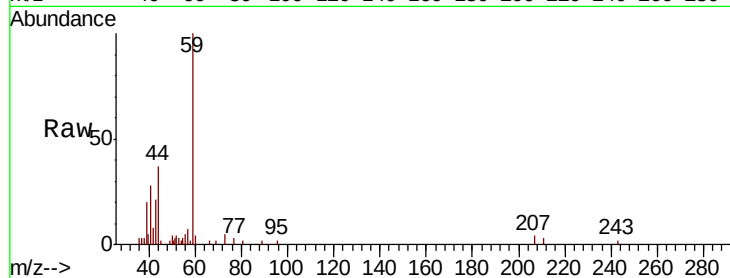
#11
Tert butyl alcohol
Concen: 100.14 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.01 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

Tot Ion	59	Resp	13863
Ion Ratio	100	Lower	Upper
57	7.2	6.8	10.2

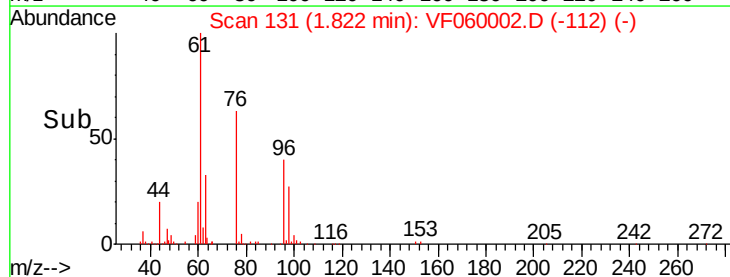
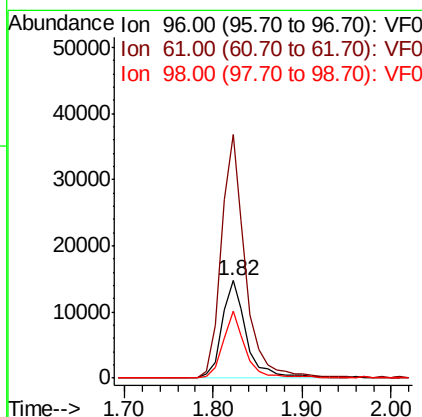
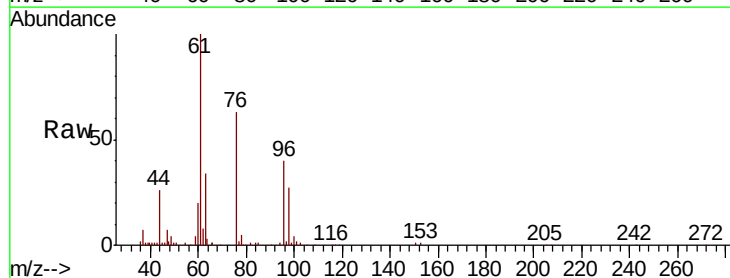
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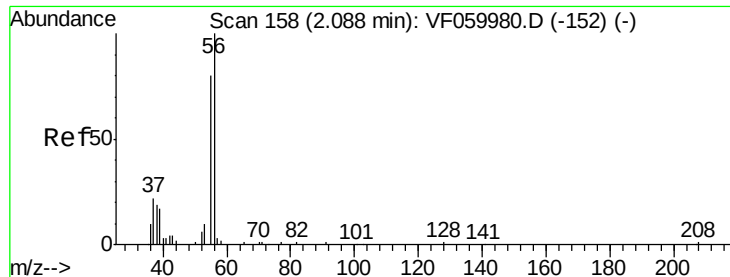
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#12
1,1-Dichloroethene
Concen: 24.49 ug/l
RT: 1.82 min Scan# 131
Delta R.T. -0.01 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Tgt Ion	96	Resp	28324
Ion Ratio	100	Lower	Upper
61	250.0	175.6	263.4
98	68.2	50.6	75.8





#13

Acrolein

Concen: 79.53 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

Tot Ion: 56 Resp: 5232

Ion Ratio Lower Upper

56 100

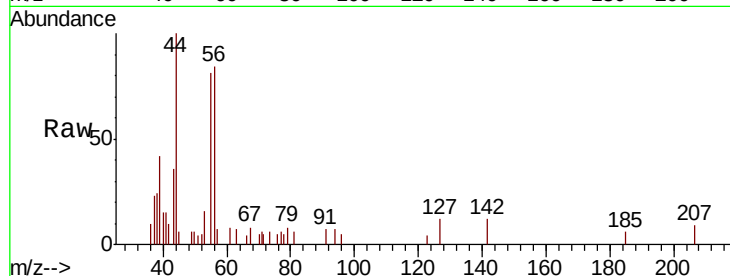
55 96.3 63.8 95.6#

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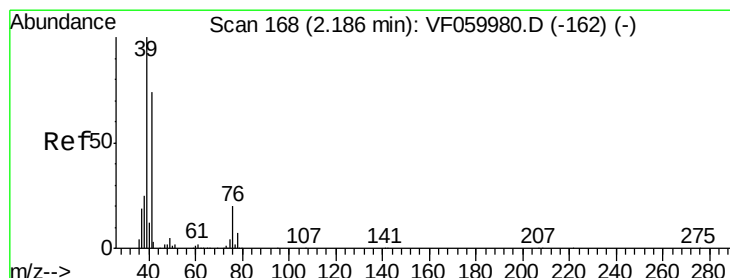
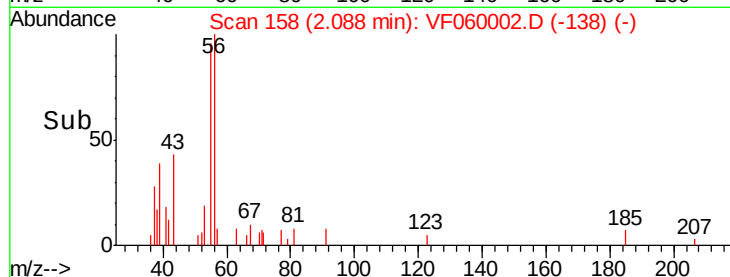
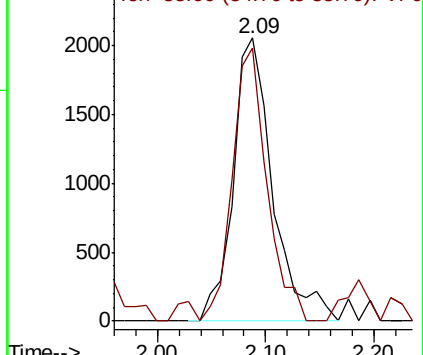
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 23.65 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

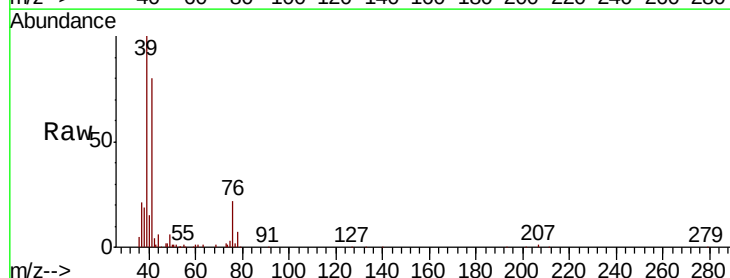
Tgt Ion: 41 Resp: 46407

Ion Ratio Lower Upper

41 100

39 125.5 109.3 163.9

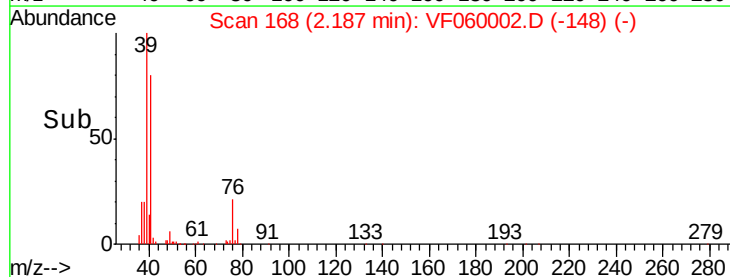
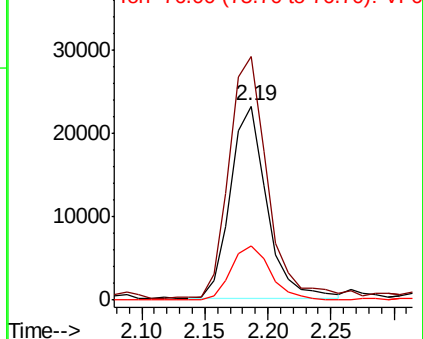
76 27.6 21.3 31.9

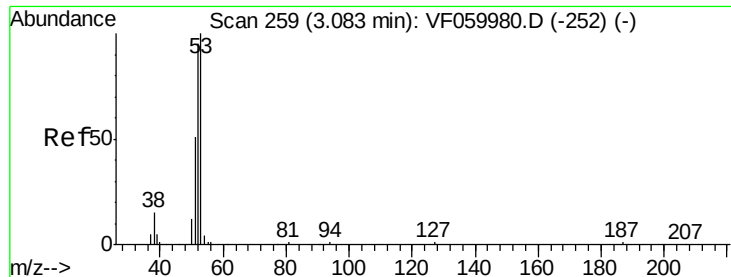


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 112.18 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

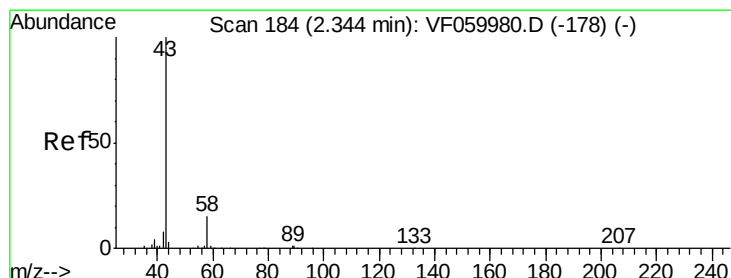
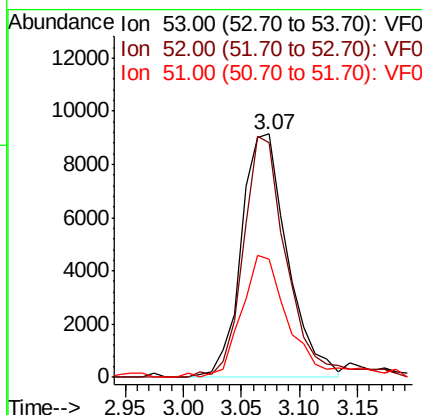
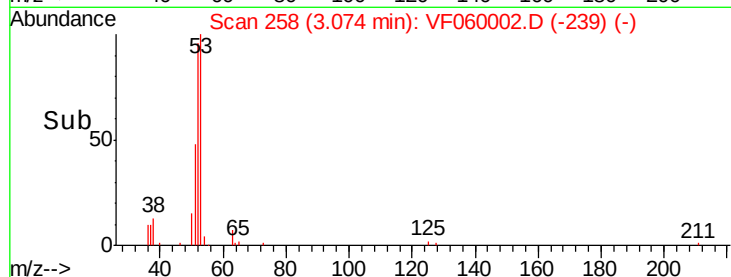
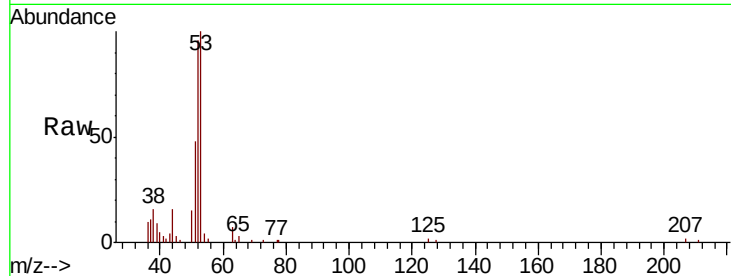
ClientSampleId :

VF0820SBS01

Tot Ion:	53	Resp:	25110
Ion	Ratio	Lower	Upper
53	100		
52	96.2	76.0	114.0
51	48.4	41.9	62.9

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#16

Acetone

Concen: 124.30 ug/l

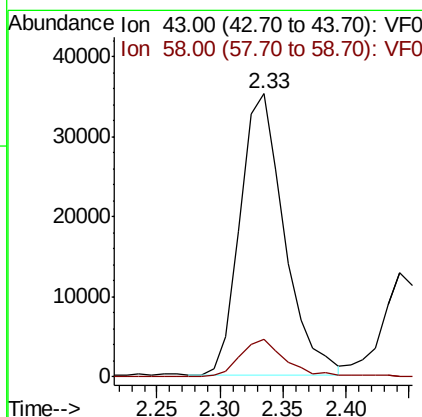
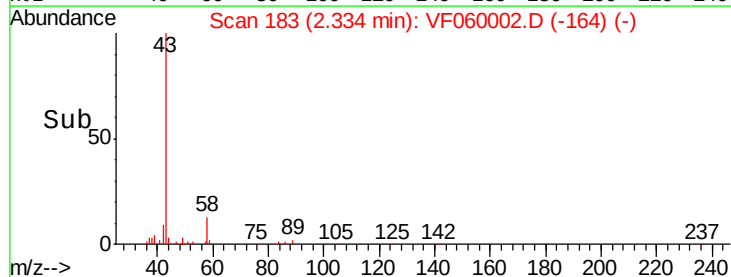
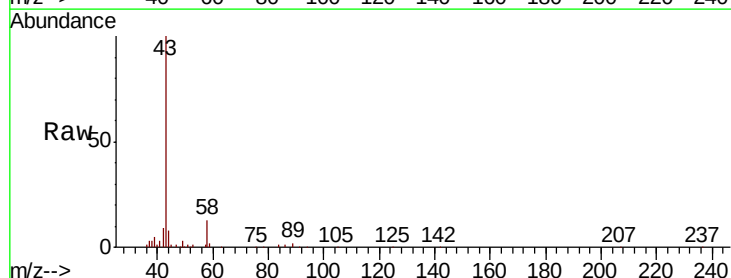
RT: 2.33 min Scan# 183

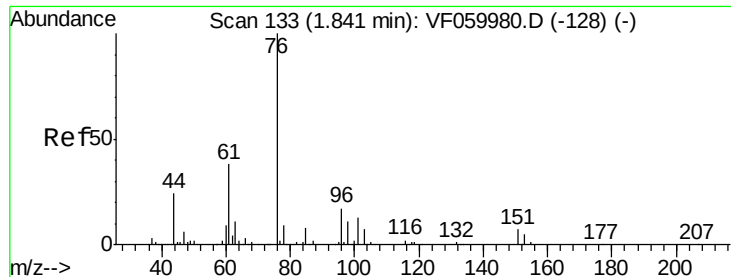
Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Tgt Ion:	43	Resp:	85537
Ion	Ratio	Lower	Upper
43	100		
58	13.2	11.9	17.9





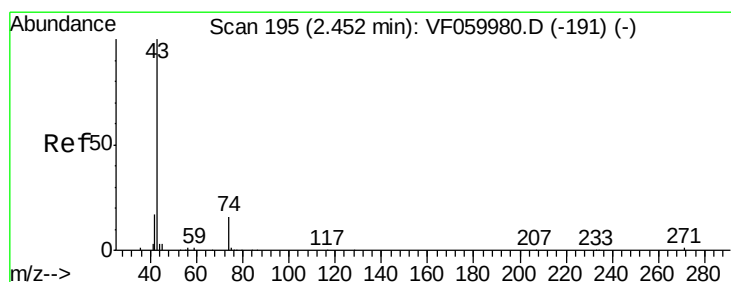
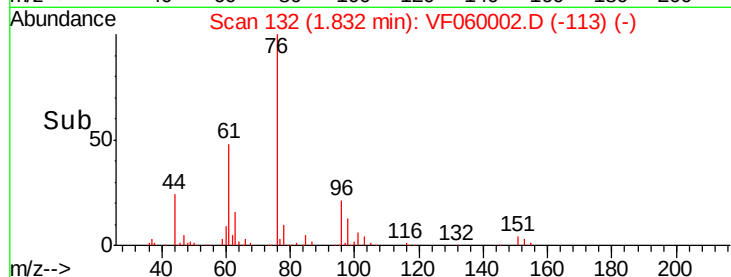
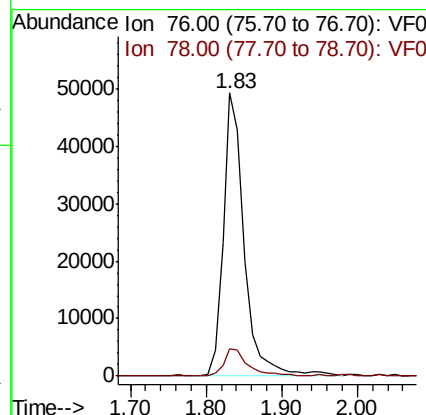
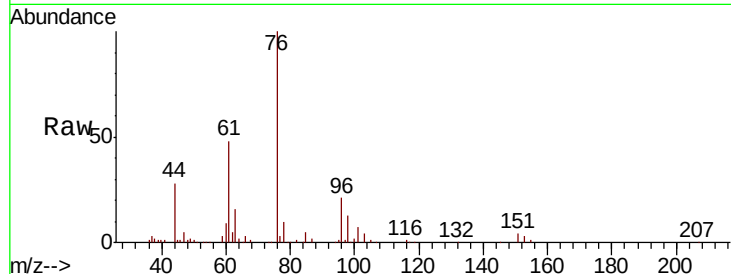
#17
Carbon Disulfide
Concen: 25.90 ug/l
RT: 1.83 min Scan# 132
Delta R.T. -0.01 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.2	10.8

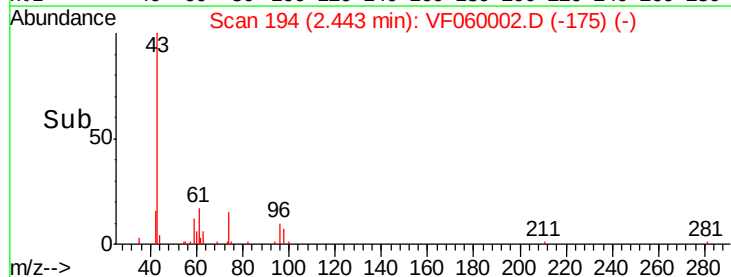
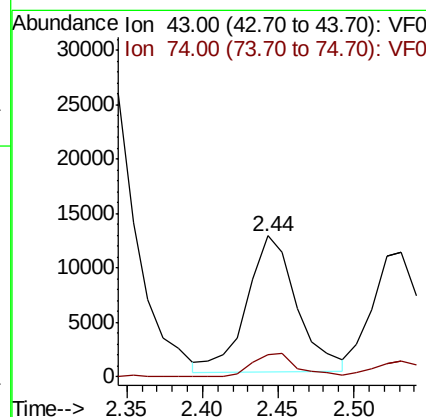
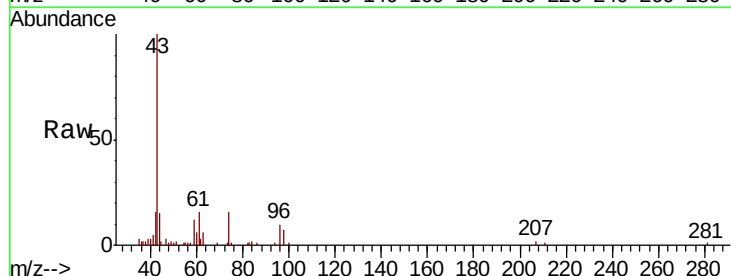
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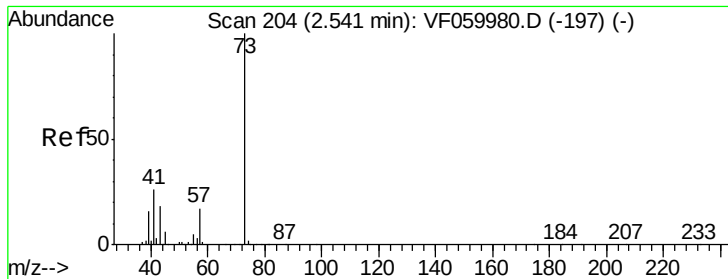
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#18
Methyl Acetate
Concen: 22.27 ug/l
RT: 2.44 min Scan# 194
Delta R.T. -0.01 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.8	12.3	18.5





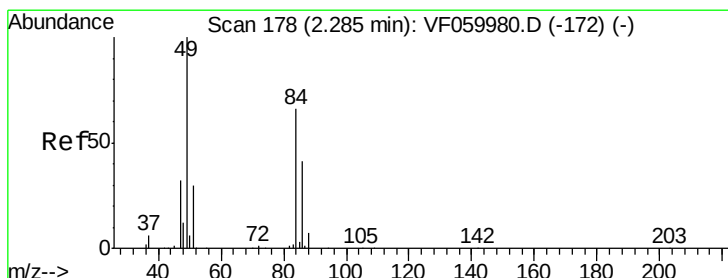
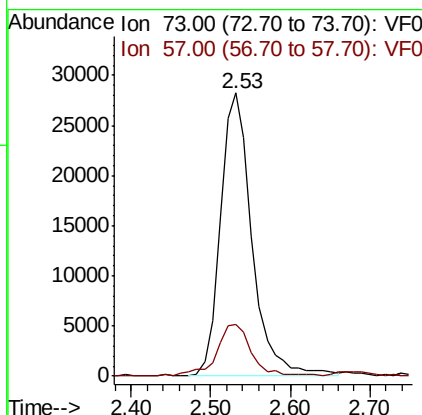
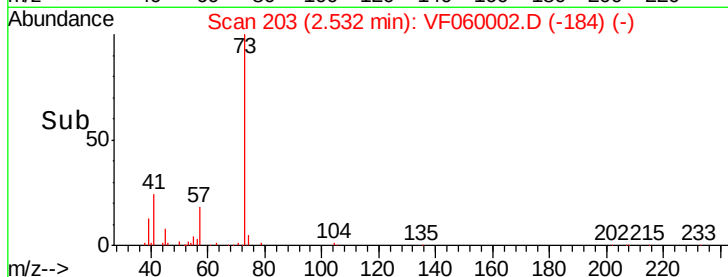
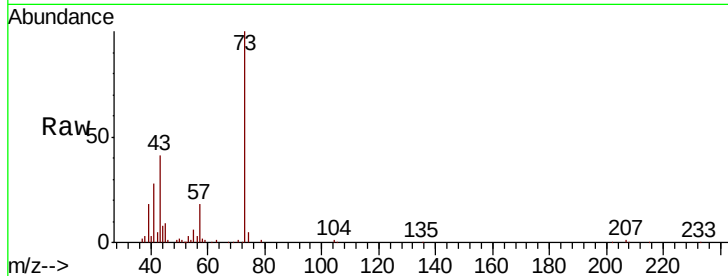
#19
Methyl tert-butyl Ether
Concen: 20.67 ug/l
RT: 2.53 min Scan# 203
Delta R.T. -0.01 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.4	14.2	21.2

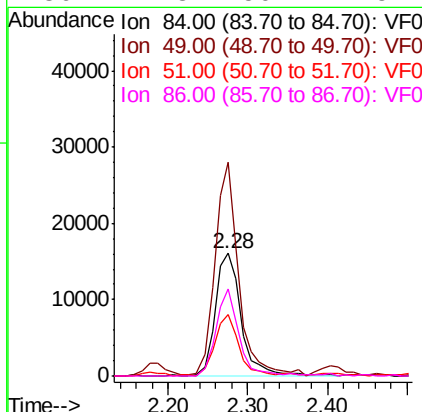
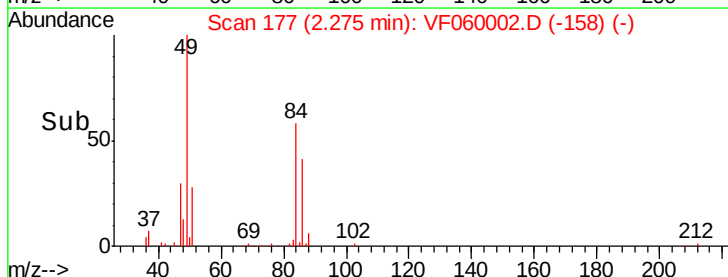
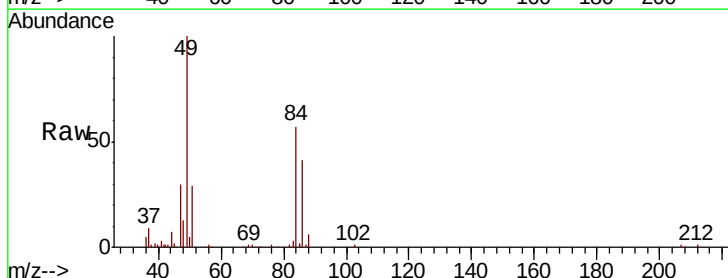
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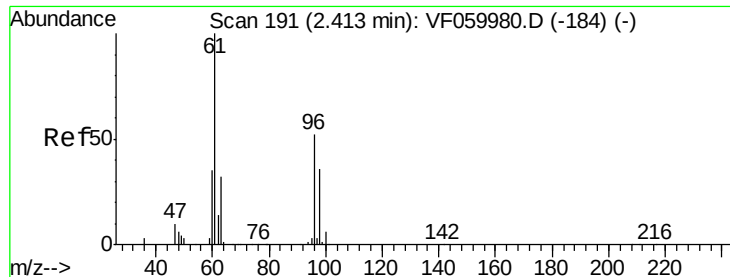
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#20
Methylene Chloride
Concen: 25.98 ug/l
RT: 2.28 min Scan# 177
Delta R.T. -0.01 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Tgt Ion	Ratio	Lower	Upper
84	100		
49	174.5	122.5	183.7
51	50.0	37.1	55.7
86	71.3	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 22.64 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

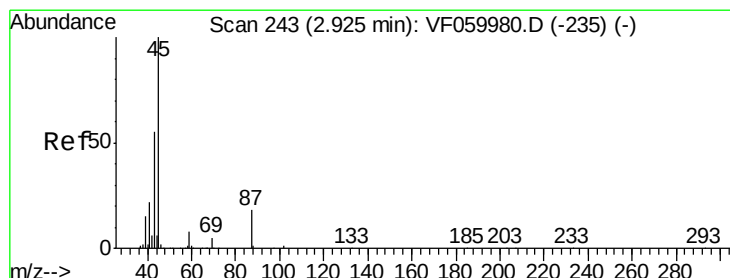
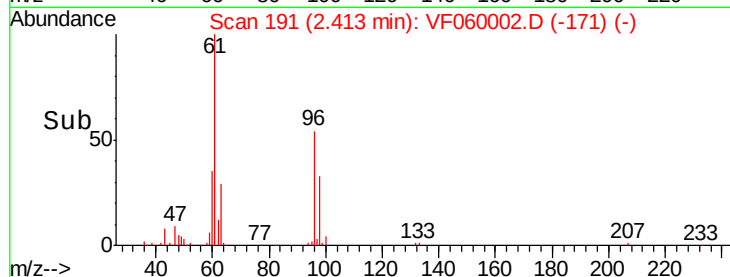
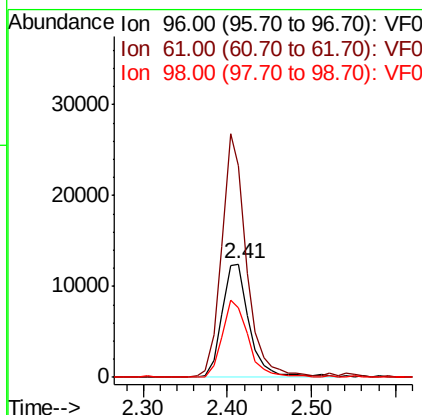
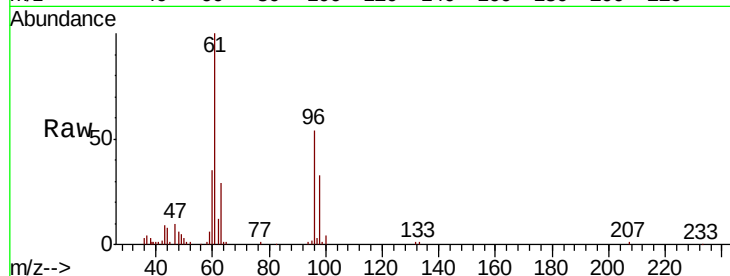
ClientSampleId :

VF0820SBS01

Tot Ion:	96	Resp:	28107
Ion	Ratio	Lower	Upper
96	100		
61	186.7	153.0	229.4
98	61.6	55.5	83.3

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#22

Diisopropyl ether

Concen: 21.73 ug/l

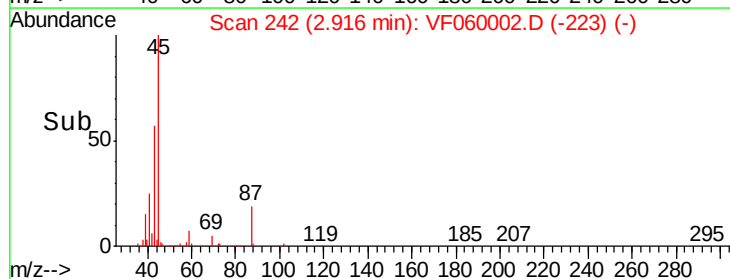
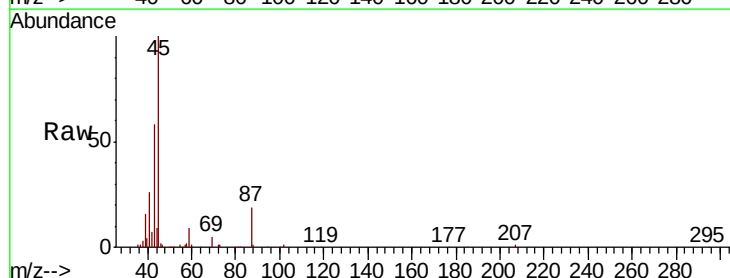
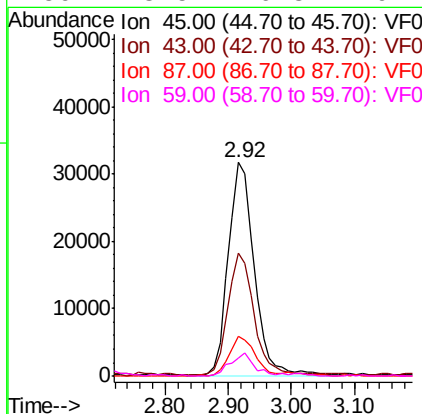
RT: 2.92 min Scan# 242

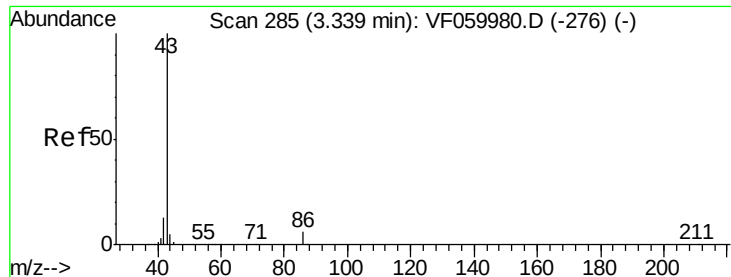
Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Tgt Ion:	45	Resp:	91221
Ion	Ratio	Lower	Upper
45	100		
43	57.8	44.8	67.2
87	18.6	14.6	21.8
59	8.5	6.8	10.2





#23

Vinyl Acetate

Concen: 134.03 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

Tot Ion: 43 Resp: 226511

Ion Ratio Lower Upper

43 100

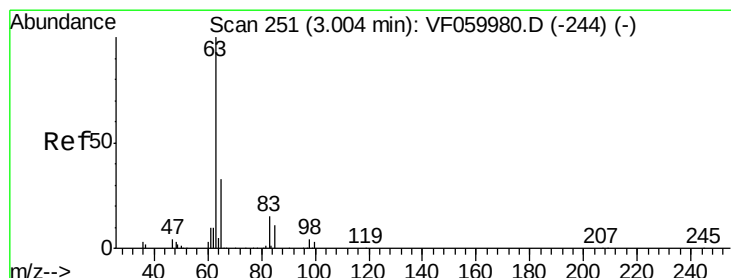
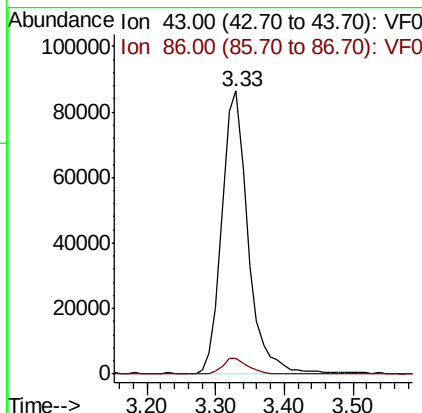
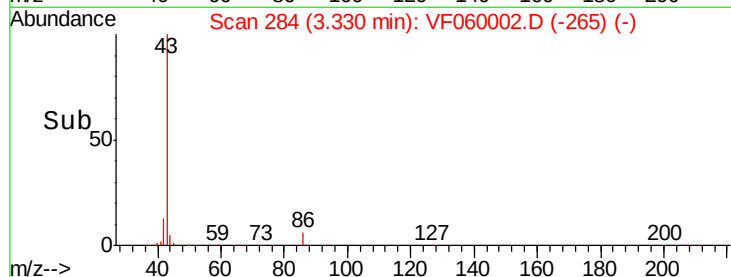
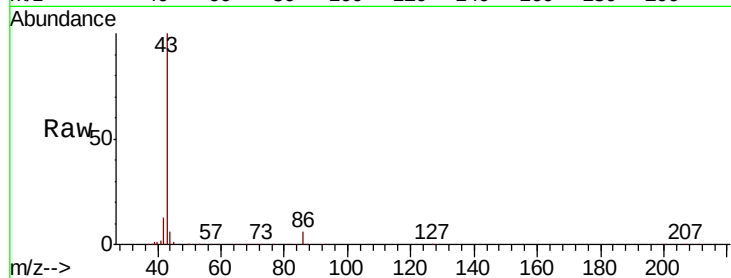
86 5.7 4.4 6.6

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#24

1,1-Dichloroethane

Concen: 23.64 ug/l

RT: 2.99 min Scan# 250

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

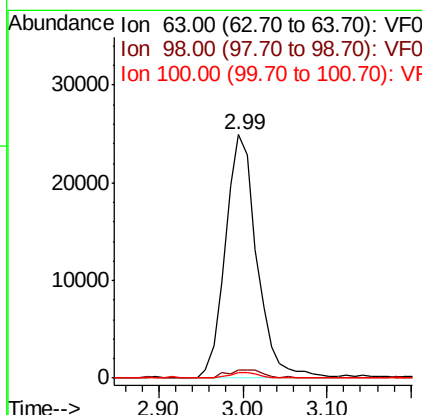
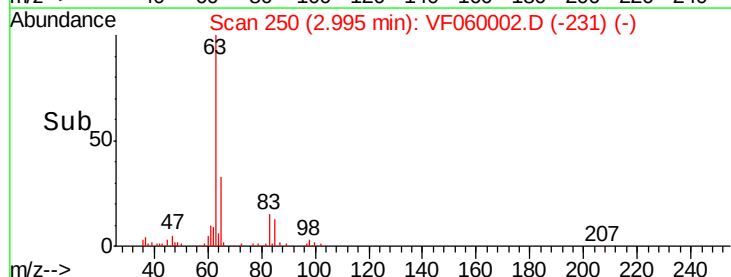
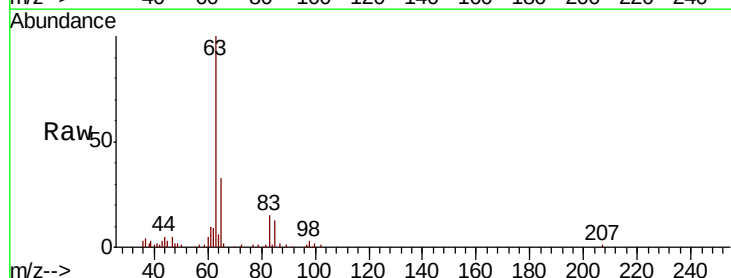
Tgt Ion: 63 Resp: 65074

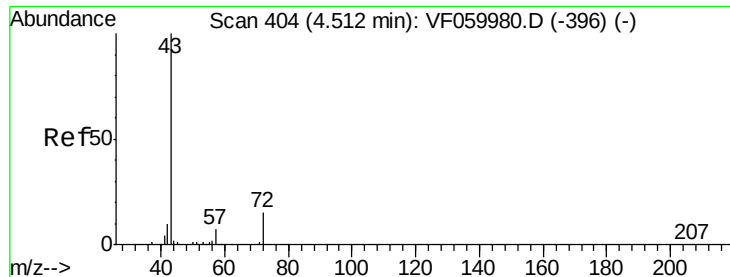
Ion Ratio Lower Upper

63 100

98 3.1 2.0 5.8

100 2.4 1.4 4.2





#25

2-Butanone

Concen: 106.17 ug/l

RT: 4.50 min Scan# 403

Delta R.T. -0.01 min

Lab File: VF060002.D

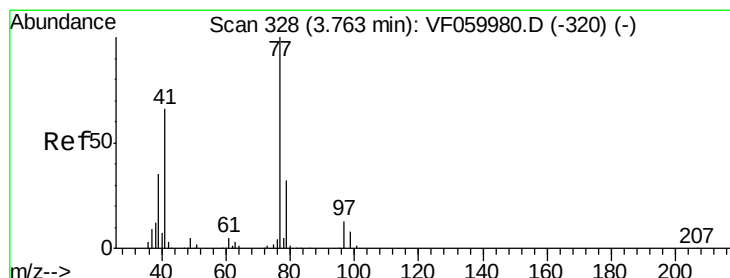
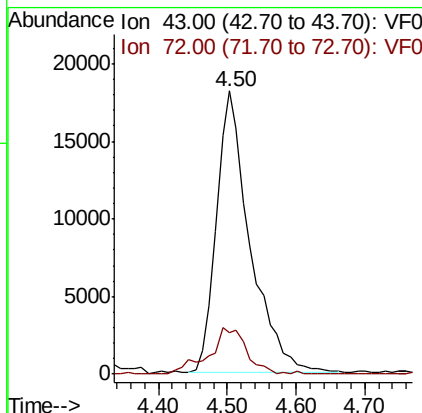
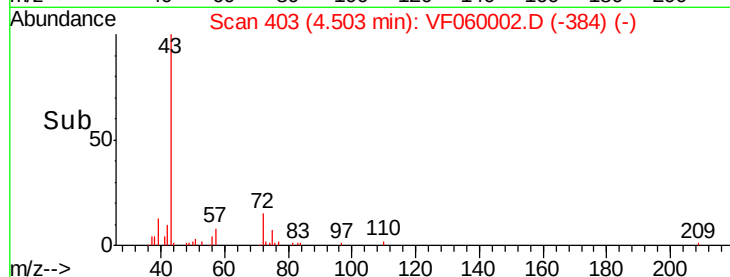
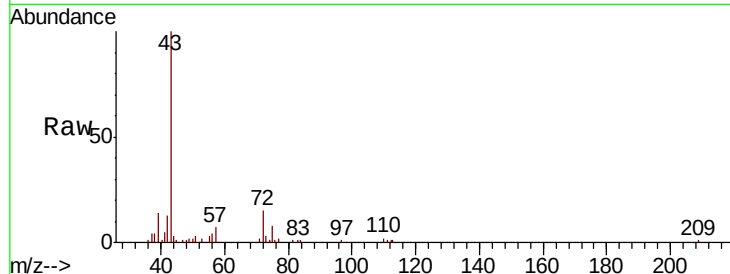
Acq: 20 Aug 2018 15:13

Tot Ion	43	Resp	60967
Ion Ratio	100	Lower	Upper
43	100		
72	14.5	12.5	18.7

Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

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#26

2,2-Dichloropropane

Concen: 24.73 ug/l

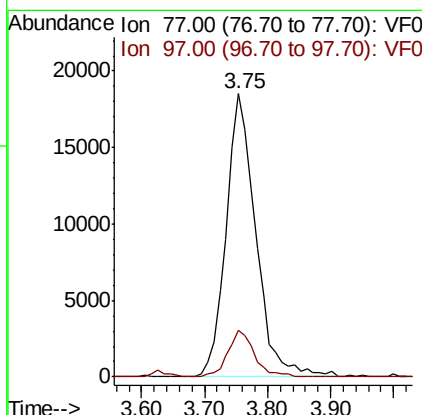
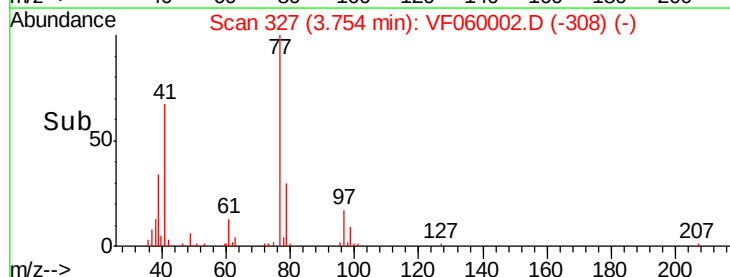
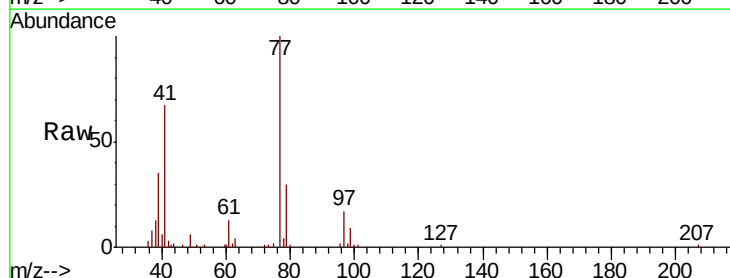
RT: 3.75 min Scan# 327

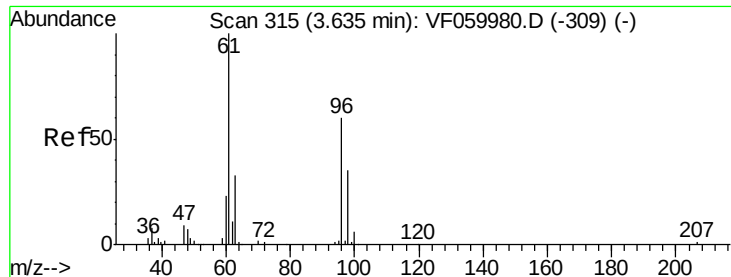
Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Tgt Ion	77	Resp	60315
Ion Ratio	100	Lower	Upper
77	100		
97	16.6	6.7	20.0





#27

cis-1,2-Dichloroethene

Concen: 21.15 ug/l

RT: 3.64 min Scan# 315

Delta R.T. 0.00 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

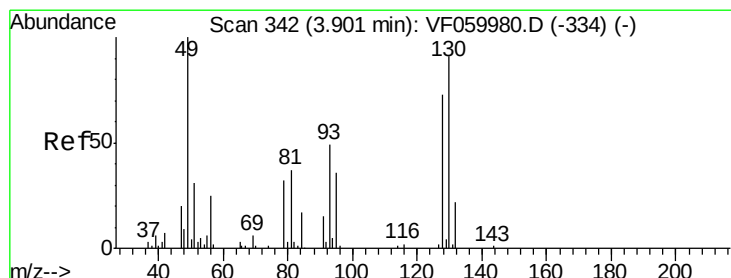
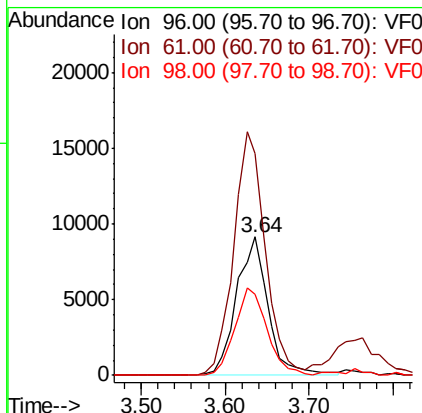
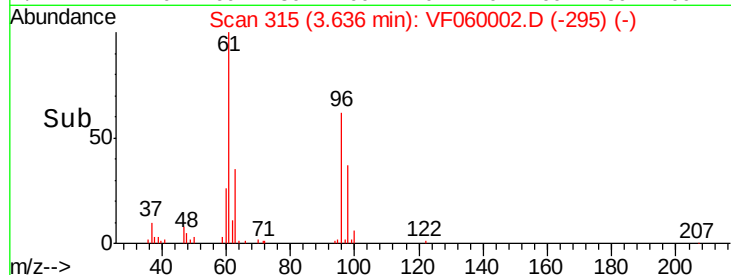
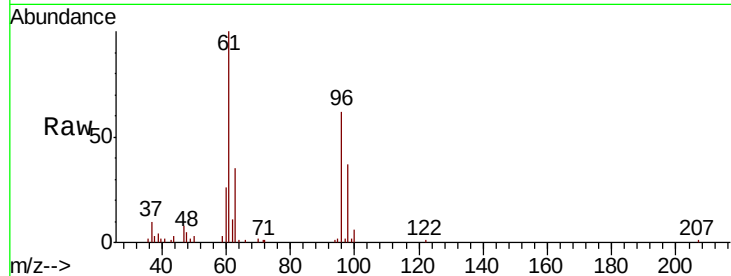
ClientSampleId :

VF0820SBS01

Tot Ion:	96	Resp:	24010
Ion	Ratio	Lower	Upper
96	100		
61	160.5	0.0	335.0
98	58.8	0.0	117.2

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#28

Bromochloromethane

Concen: 23.01 ug/l

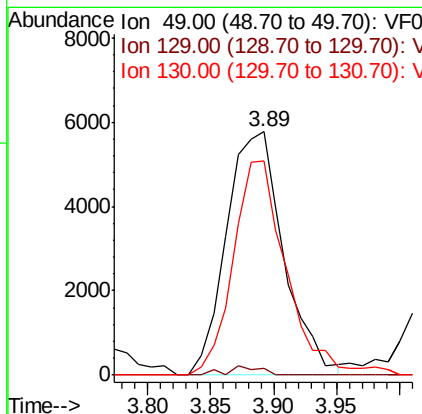
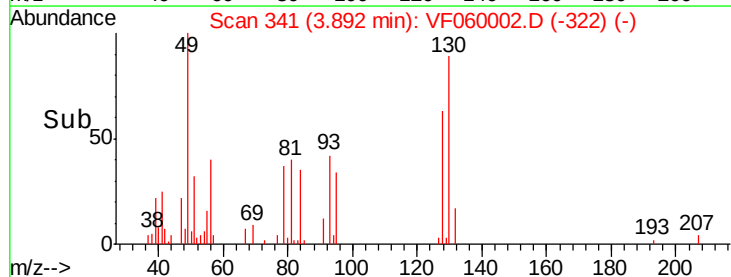
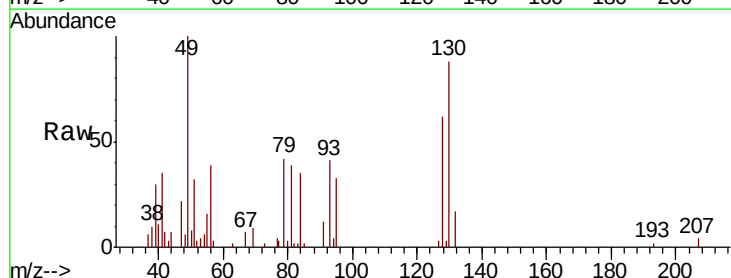
RT: 3.89 min Scan# 341

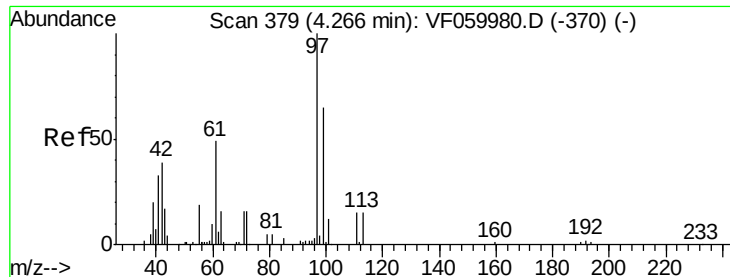
Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Tgt Ion:	49	Resp:	18171
Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	7.6
130	87.9	71.3	106.9





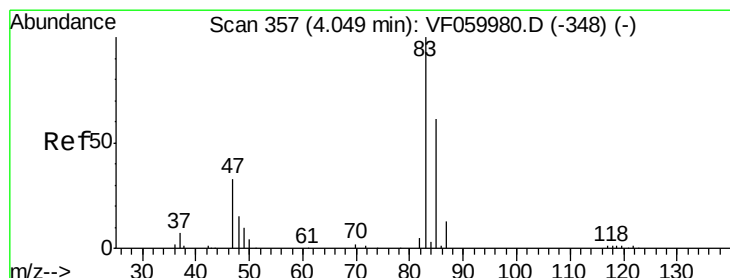
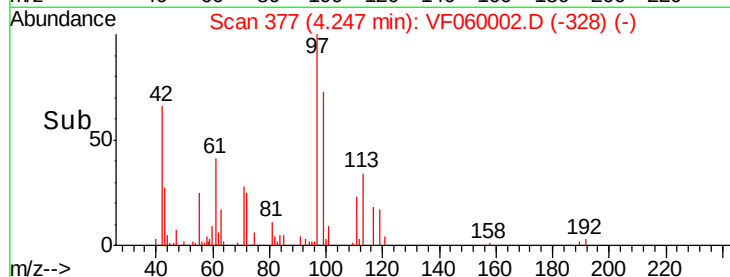
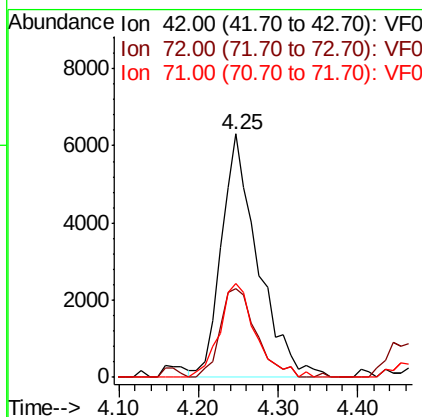
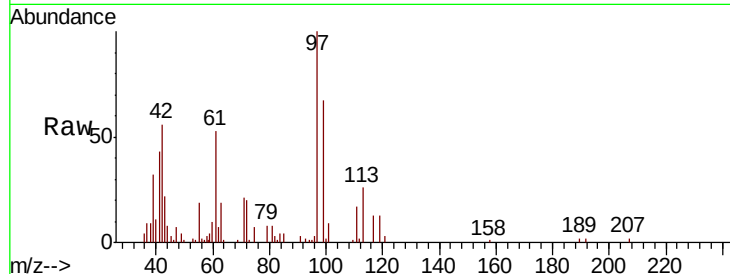
#29
Tetrahydrofuran
Concen: 98.60 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.02 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

Tot Ion	42	Resp	20208
Ion Ratio	Lower	Upper	
42	100		
72	36.1	29.8	44.6
71	37.9	29.0	43.4

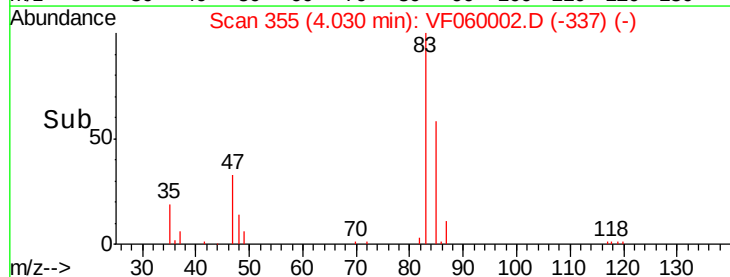
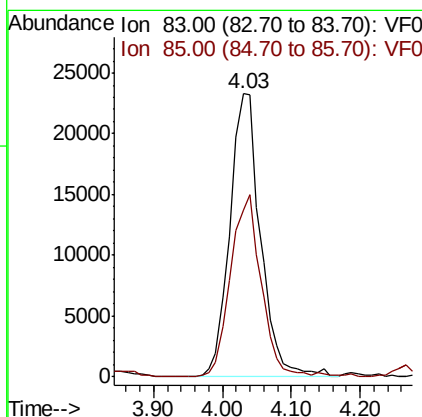
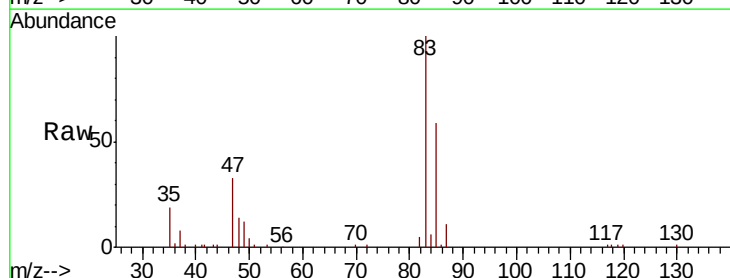
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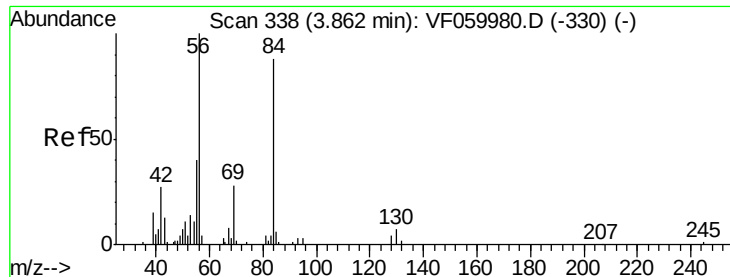
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#30
Chloroform
Concen: 22.68 ug/l
RT: 4.03 min Scan# 355
Delta R.T. -0.02 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Tgt Ion	83	Resp	72194
Ion Ratio	Lower	Upper	
83	100		
85	59.0	48.8	73.2





#31

Cyclohexane

Concen: 21.11 ug/l

RT: 3.85 min Scan# 337

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

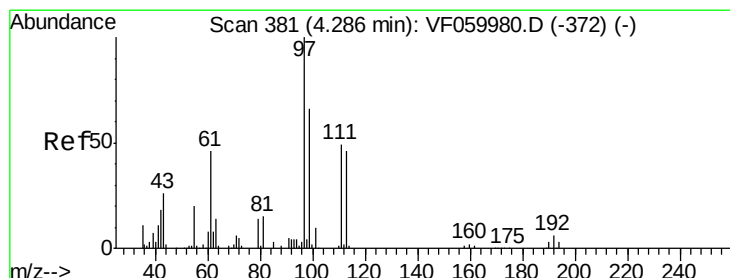
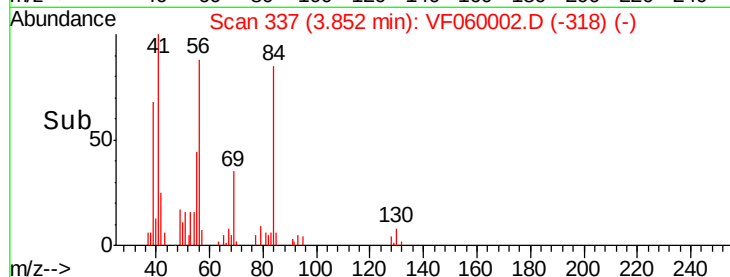
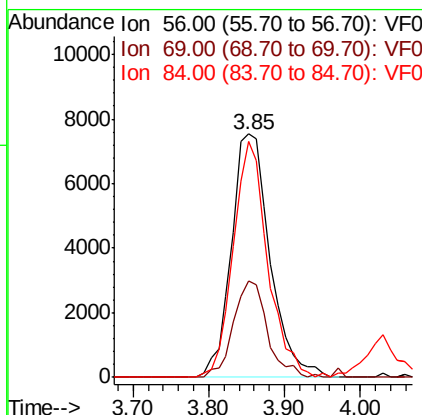
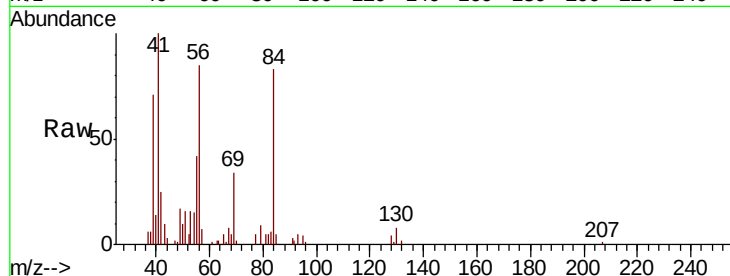
ClientSampleId :

VF0820SBS01

Tot Ion:	56	Resp:	26608
Ion Ratio	Lower	Upper	
56	100		
69	39.6	22.8	34.2#
84	96.9	70.7	106.1

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#32

1,1,1-Trichloroethane

Concen: 22.78 ug/l

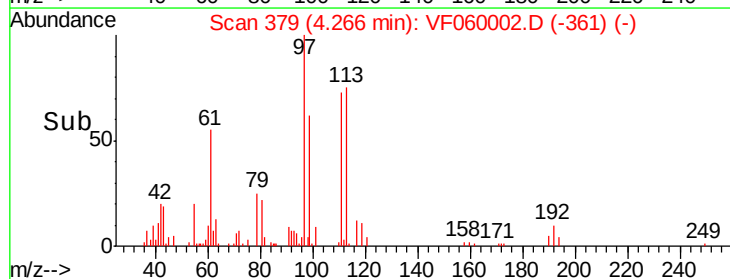
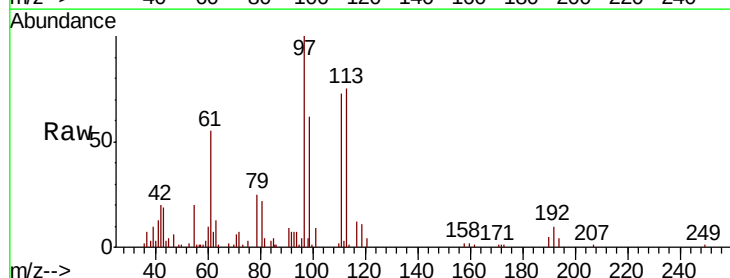
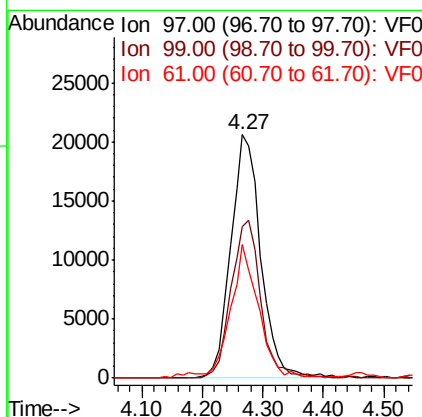
RT: 4.27 min Scan# 379

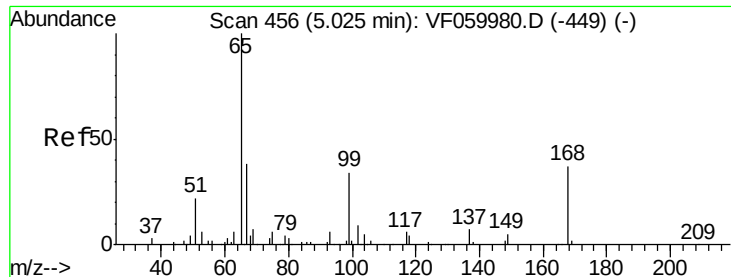
Delta R.T. -0.02 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Tgt Ion:	97	Resp:	70762
Ion Ratio	Lower	Upper	
97	100		
99	62.1	53.1	79.7
61	54.7	38.2	57.2





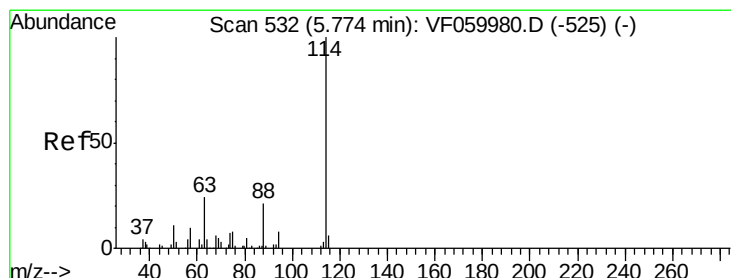
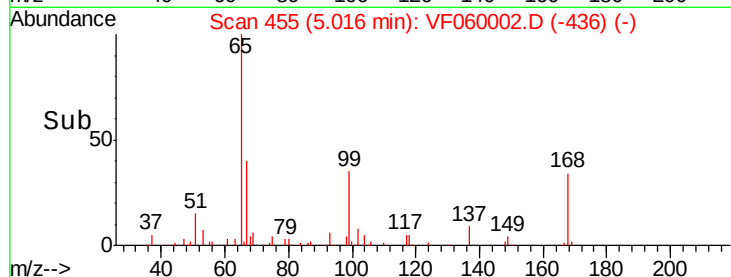
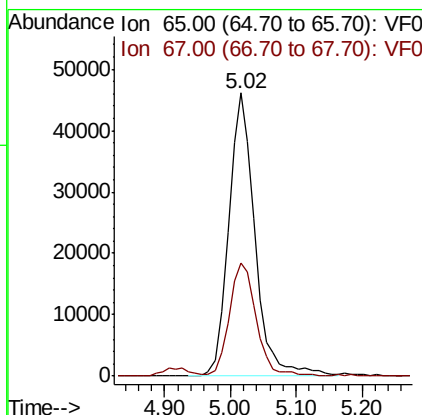
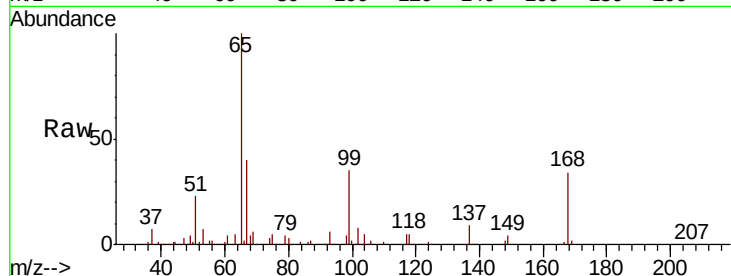
#33
 1,2-Dichloroethane-d4
 Concen: 54.11 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. -0.01 min
 Lab File: VF060002.D
 Acq: 20 Aug 2018 15:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0820SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	128533		
67	39.8	0.0	82.6	

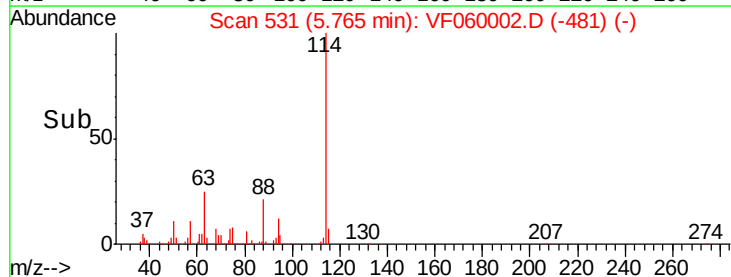
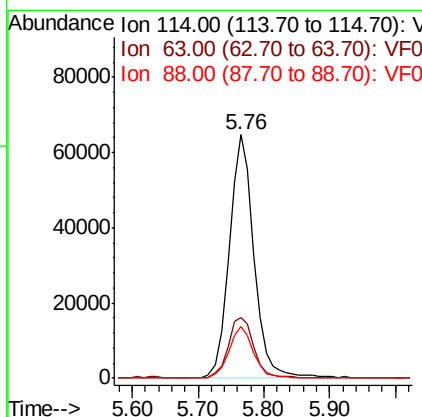
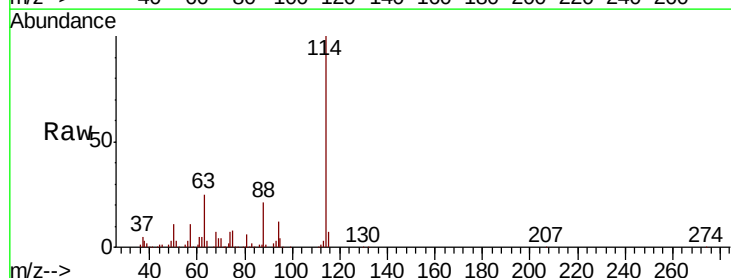
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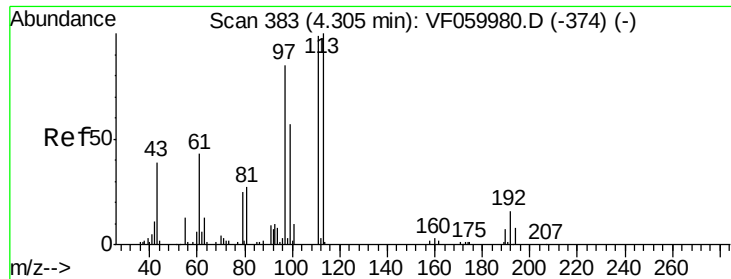
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VF060002.D
 Acq: 20 Aug 2018 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	169888		
63	25.0	0.0	48.6	
88	21.0	0.0	42.8	





#35

Dibromofluoromethane

Concen: 55.39 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.02 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

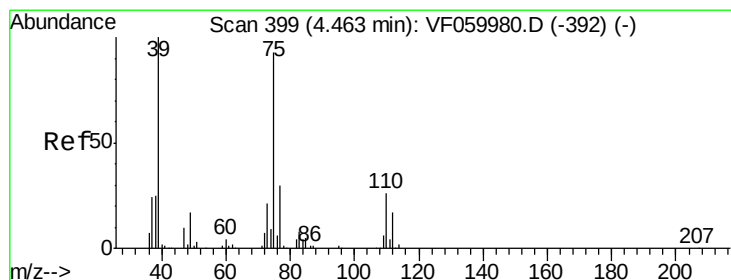
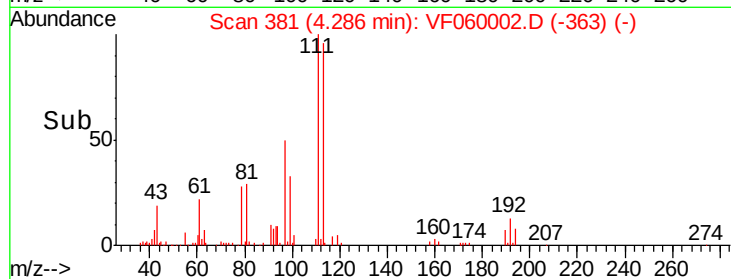
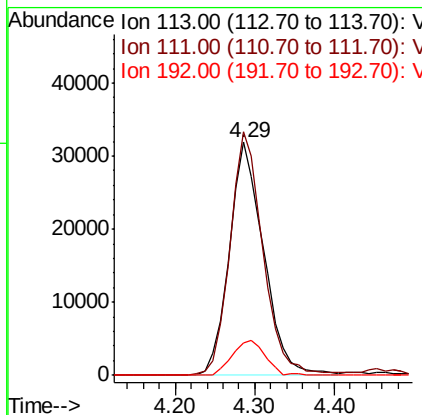
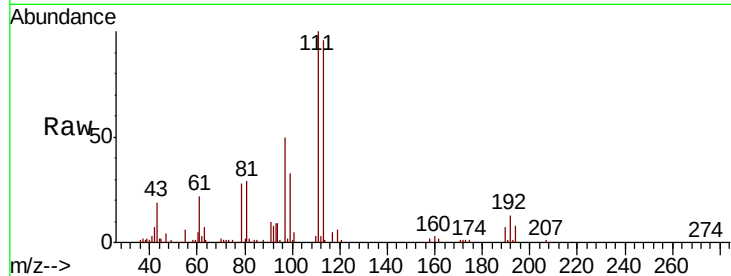
ClientSampleId :

VF0820SBS01

Tot Ion:	113	Resp:	96173
Ion	Ratio	Lower	Upper
113	100		
111	104.4	79.5	119.3
192	14.1	12.4	18.6

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#36

1,1-Dichloropropene

Concen: 22.93 ug/l

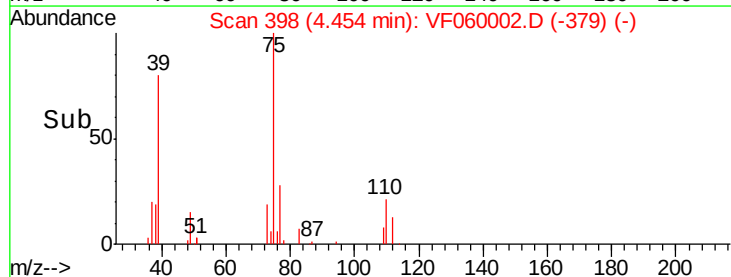
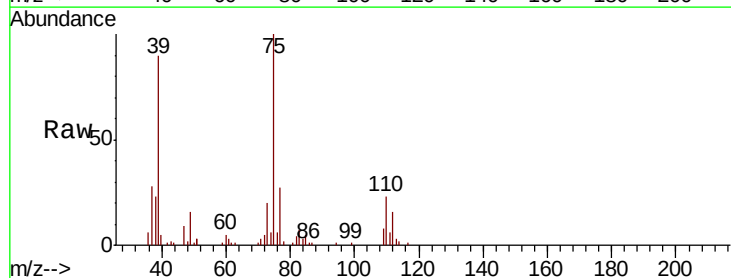
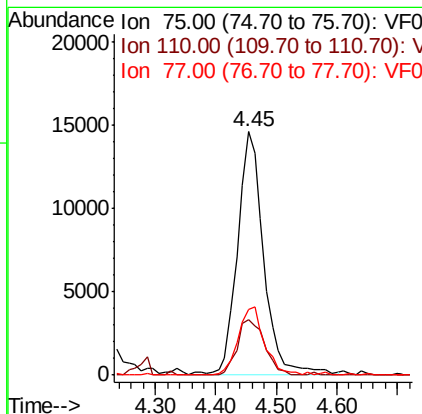
RT: 4.45 min Scan# 398

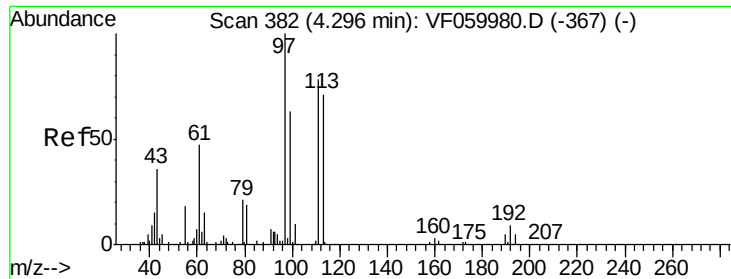
Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Tgt Ion:	75	Resp:	44360
Ion	Ratio	Lower	Upper
75	100		
110	22.6	13.8	41.4
77	27.2	25.8	38.8





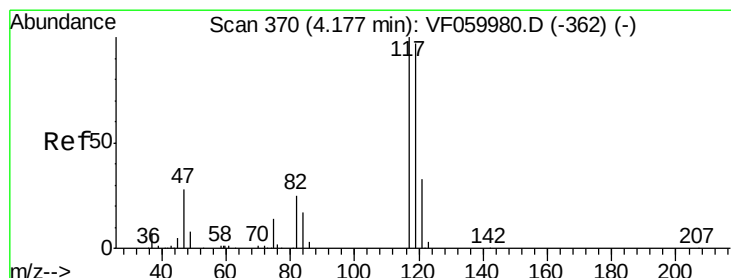
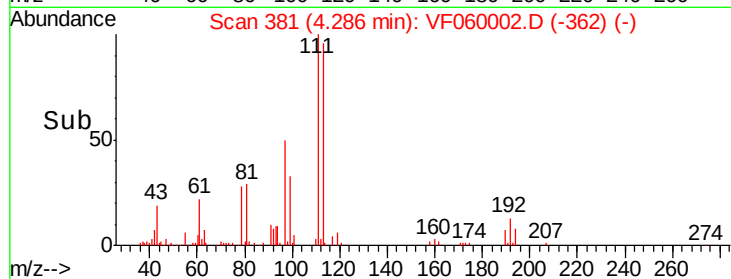
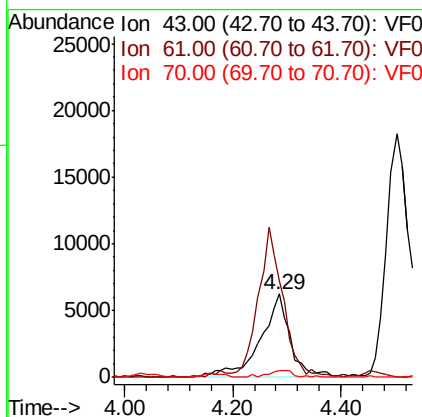
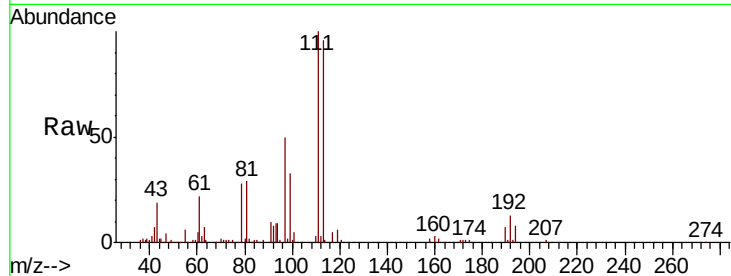
#37
Ethyl Acetate
Concen: 22.58 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	114.8	104.5	156.7
70	8.1	5.9	8.9

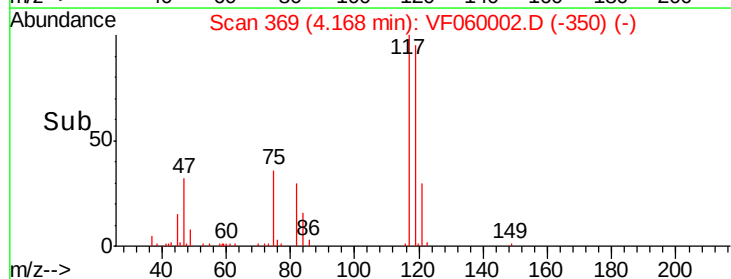
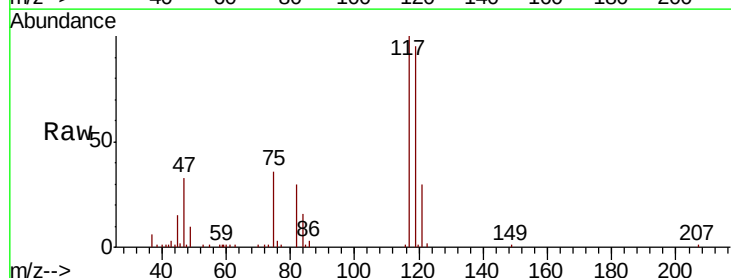
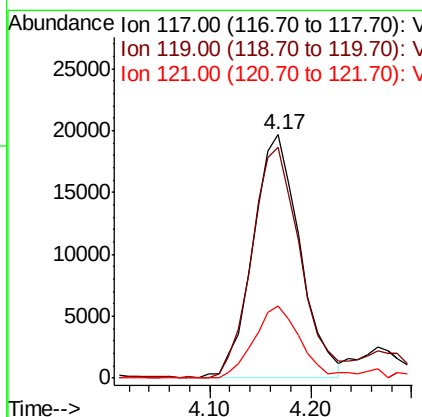
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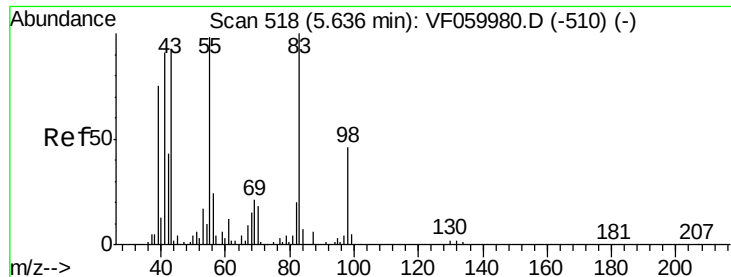
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#38
Carbon Tetrachloride
Concen: 22.92 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.01 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	77.8	116.6
121	29.7	26.0	39.0





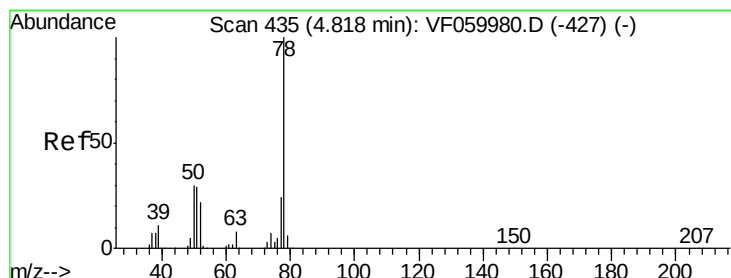
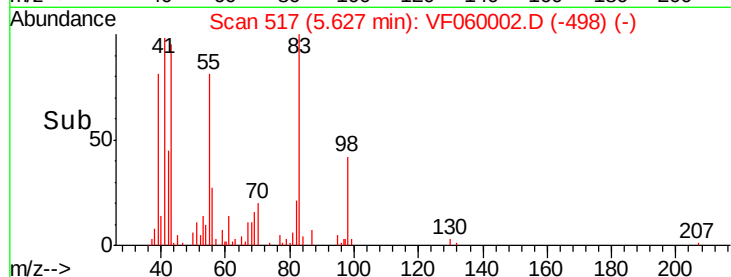
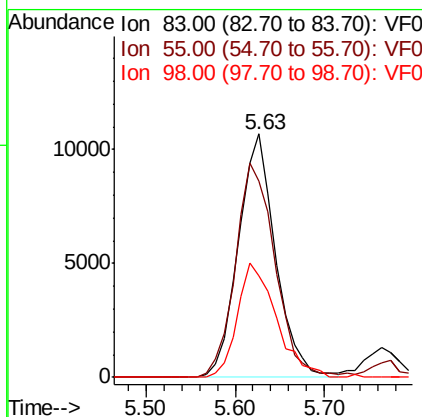
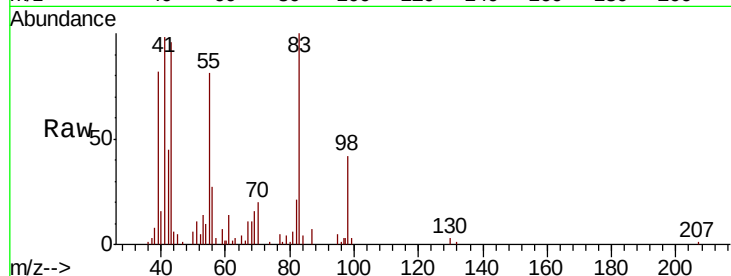
#39
Methylvlcyclohexane
Concen: 21.37 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.01 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.7	78.8	118.2
98	41.8	36.8	55.2

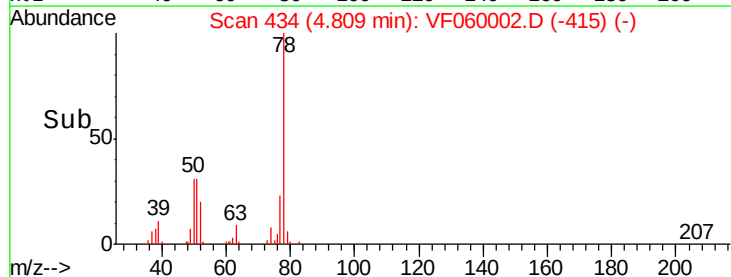
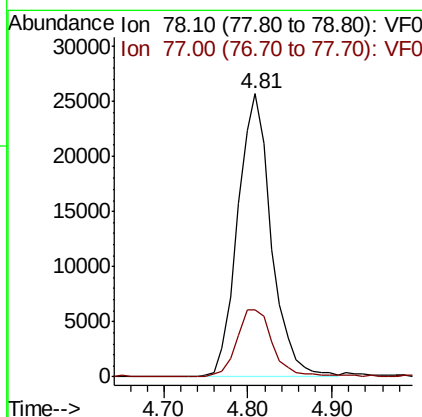
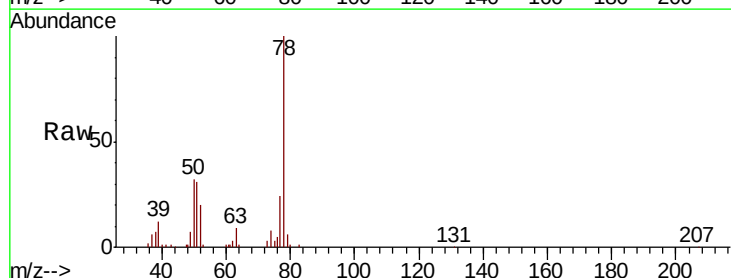
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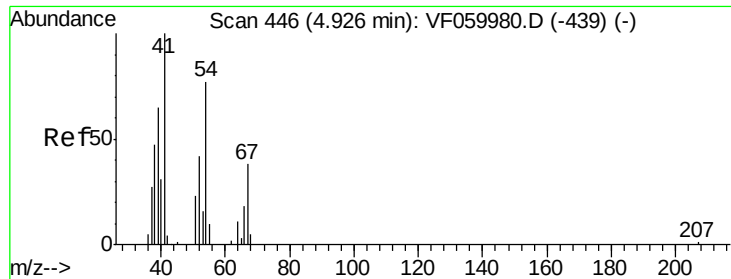
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#40
Benzene
Concen: 21.82 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.1	28.7





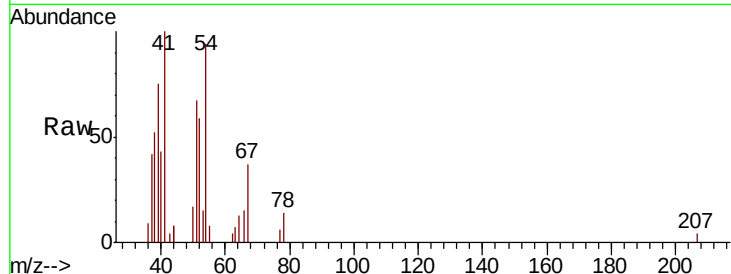
#41
Methacrylonitrile
Concen: 19.71 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.01 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

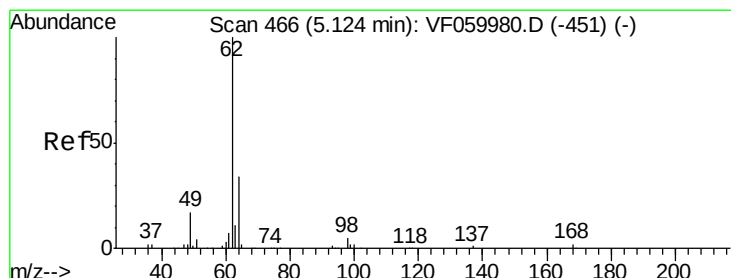
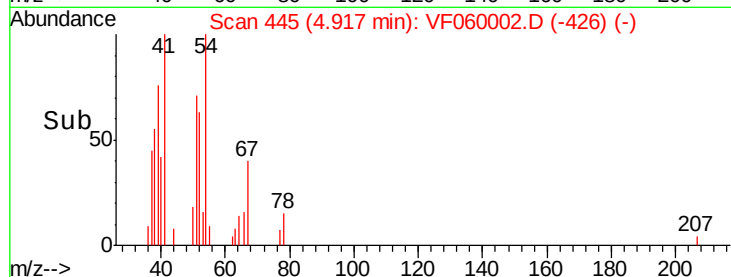
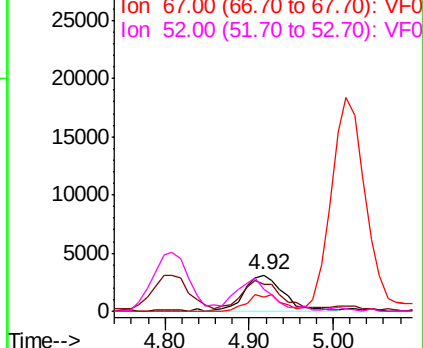
Tot Ion	Ratio	Lower	Upper
41	100		
39	75.5	62.9	94.3
67	37.4	30.4	45.6
52	59.2	47.8	71.8

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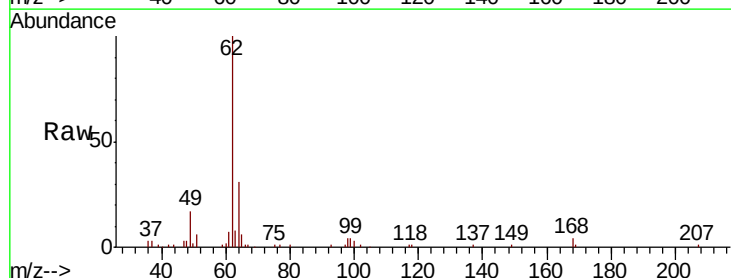


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

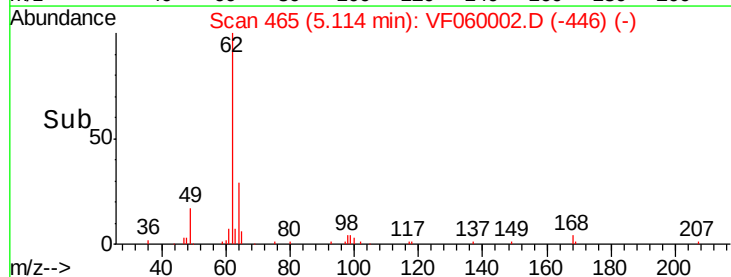
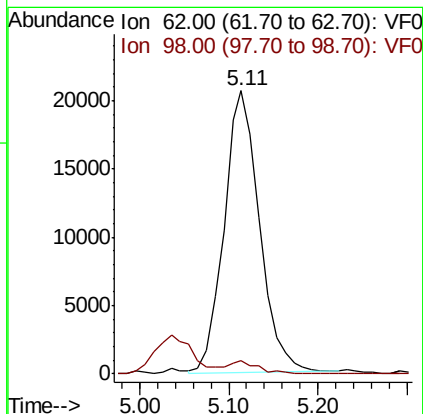


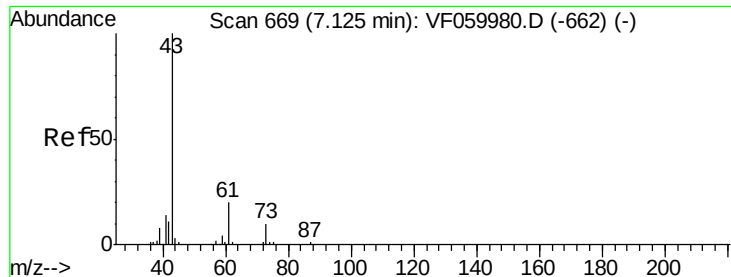
#42
1,2-Dichloroethane
Concen: 20.59 ug/l
RT: 5.11 min Scan# 465
Delta R.T. -0.01 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.5	0.0	9.0



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





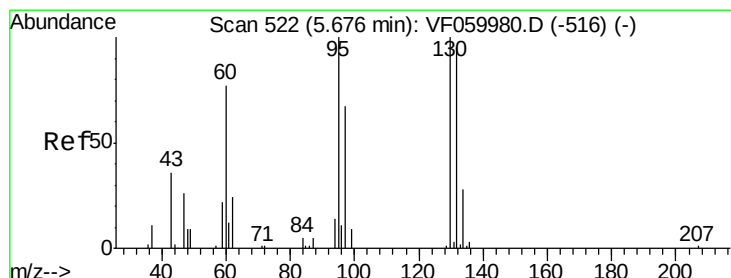
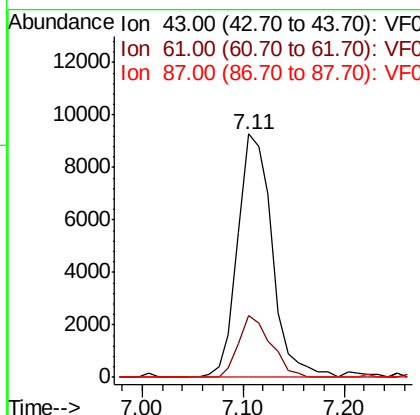
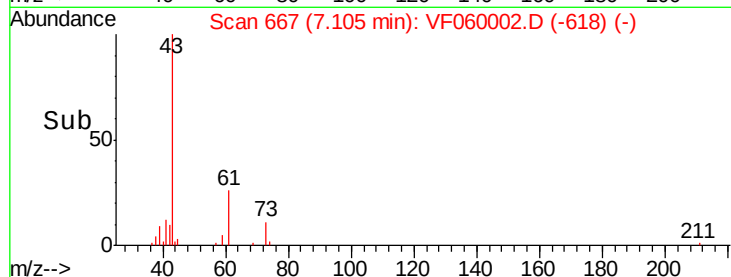
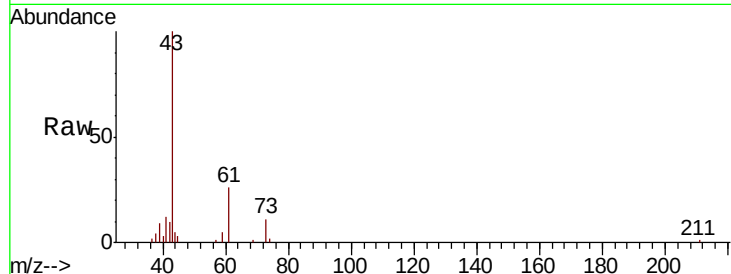
#43
Isopropyl Acetate
Concen: 18.84 ug/l
RT: 7.11 min Scan# 667
Delta R.T. -0.02 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.5	15.8	23.8#
87	0.0	0.6	0.8#

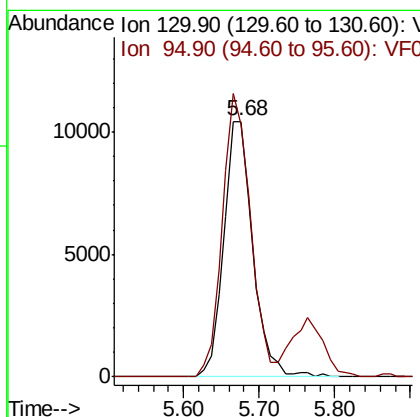
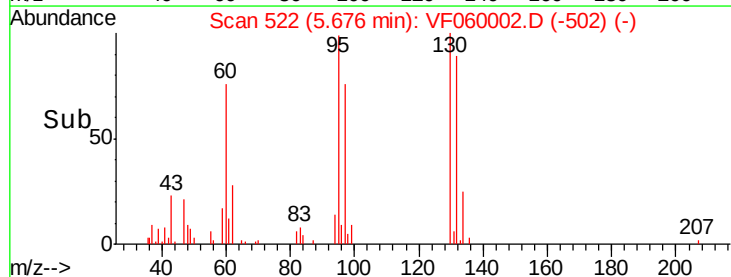
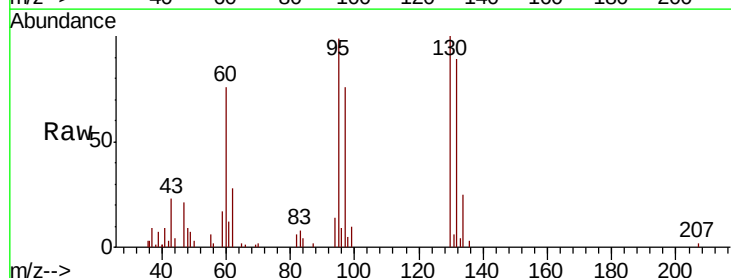
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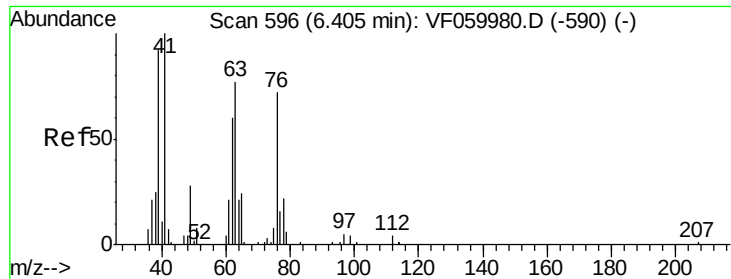
apatel
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#44
Trichloroethene
Concen: 21.62 ug/l
RT: 5.68 min Scan# 522
Delta R.T. 0.00 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.7	0.0	201.8





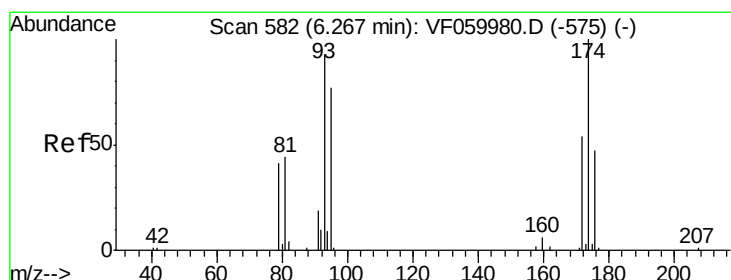
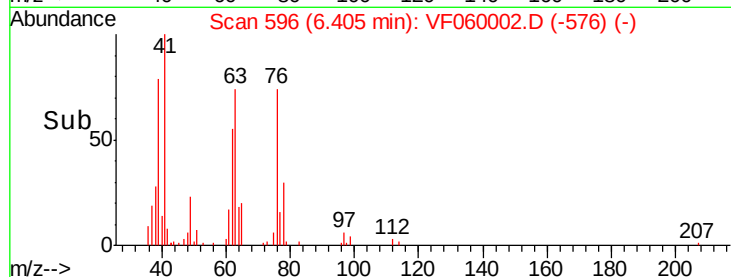
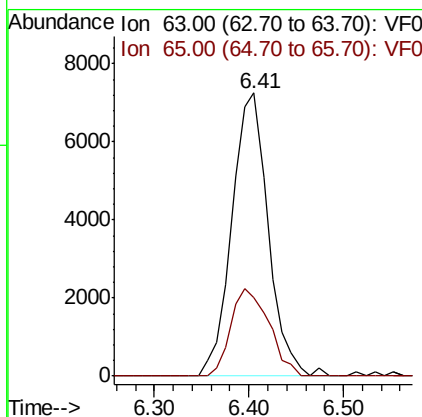
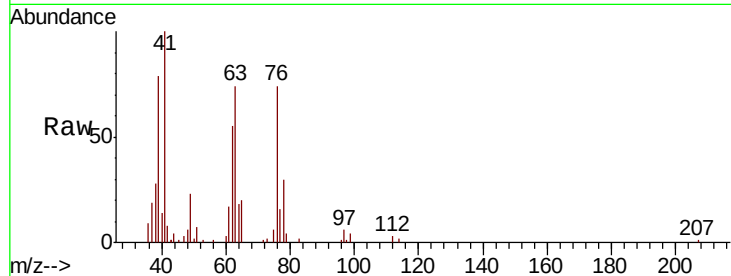
#45
 1,2-Dichloropropane
 Concen: 20.56 ug/l
 RT: 6.41 min Scan# 596
 Delta R.T. 0.00 min
 Lab File: VF060002.D
 Acq: 20 Aug 2018 15:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0820SBS01

Tot Ion: 63 Resp: 19265
 Ion Ratio Lower Upper
 63 100
 65 27.7 25.0 37.6

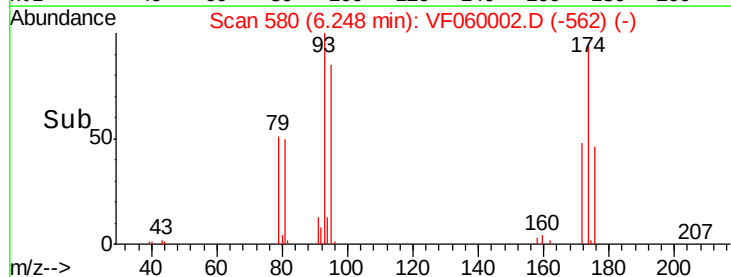
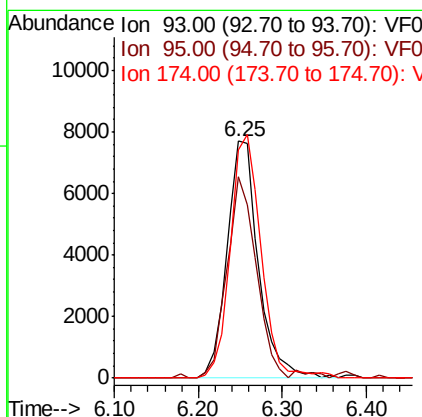
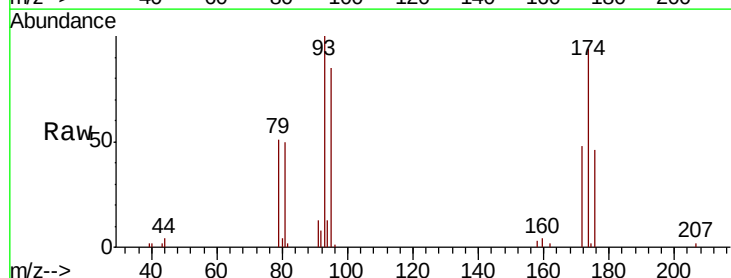
Manual Integrations
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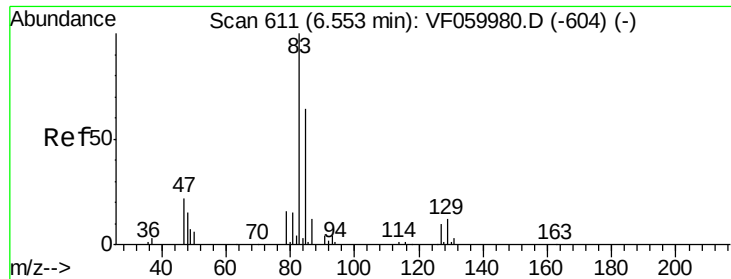
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#46
 Dibromomethane
 Concen: 21.65 ug/l
 RT: 6.25 min Scan# 580
 Delta R.T. -0.02 min
 Lab File: VF060002.D
 Acq: 20 Aug 2018 15:13

Tgt Ion: 93 Resp: 20007
 Ion Ratio Lower Upper
 93 100
 95 85.0 67.0 100.4
 174 96.5 85.7 128.5





#47

Bromodichloromethane

Concen: 22.98 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

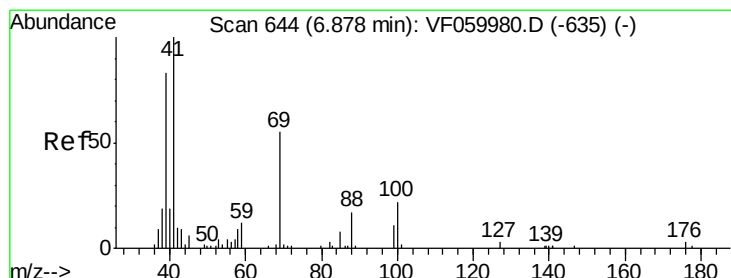
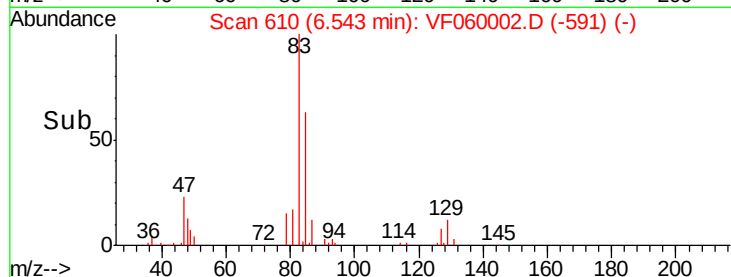
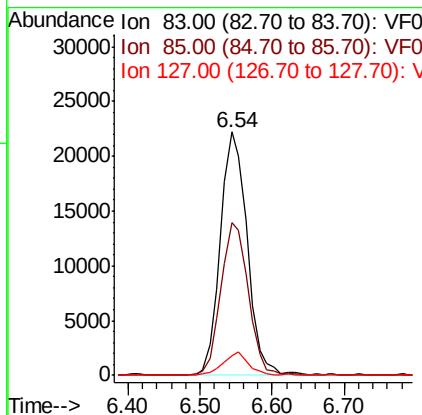
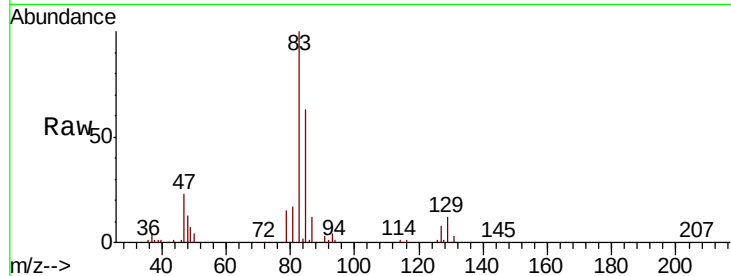
ClientSampleId :

VF0820SBS01

Tot Ion:	83	Resp:	57320
Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.4	77.0
127	8.5	8.2	12.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.55 ug/l

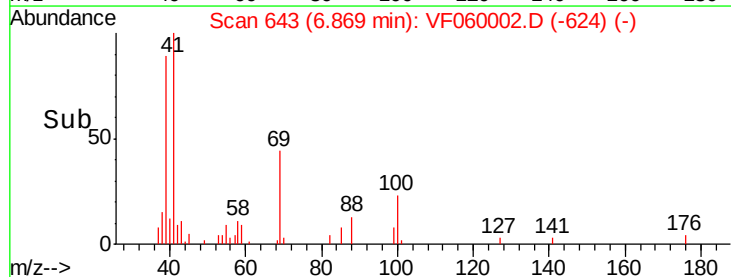
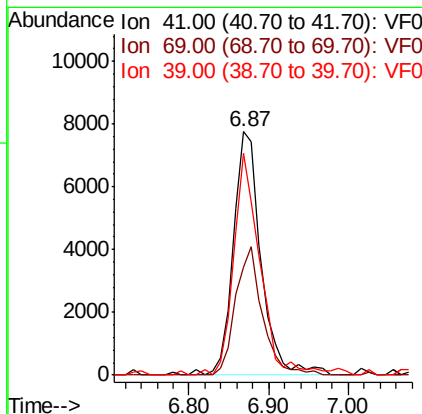
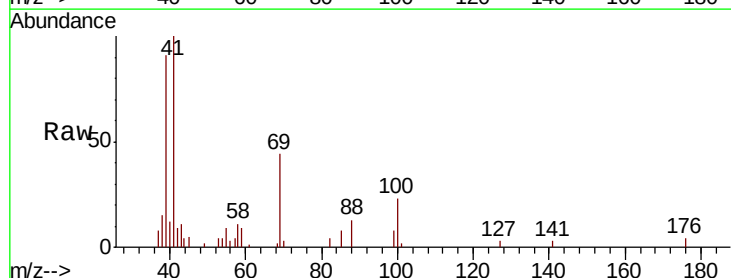
RT: 6.87 min Scan# 643

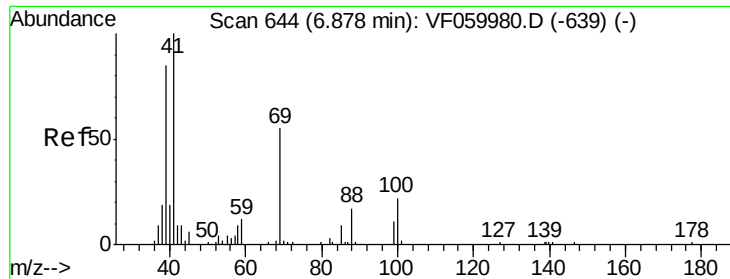
Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Tgt Ion:	41	Resp:	18880
Ion	Ratio	Lower	Upper
41	100		
69	44.3	44.4	66.6#
39	91.1	67.8	101.6





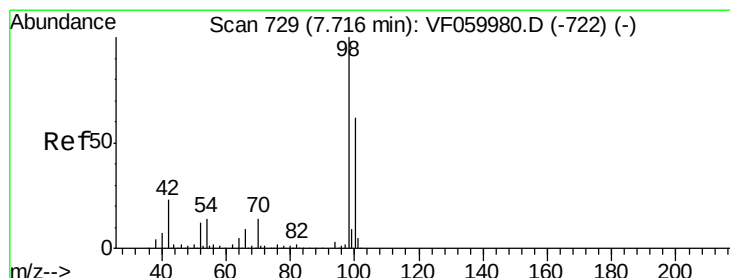
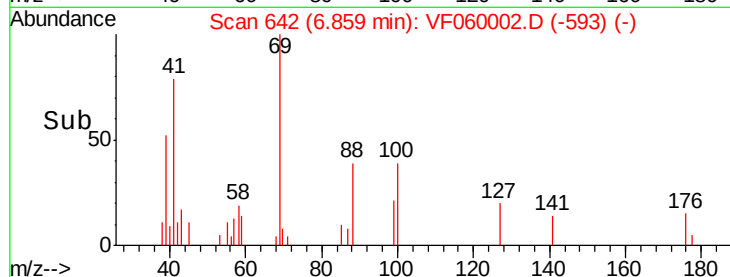
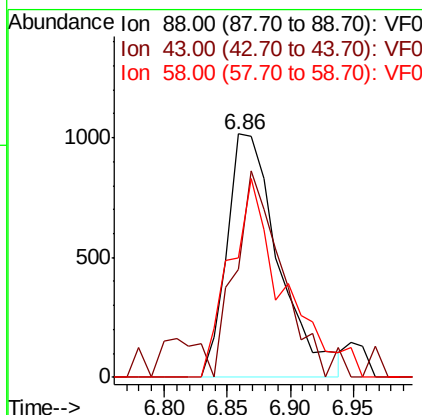
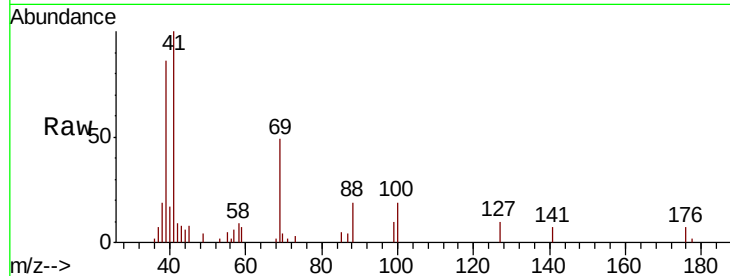
#49
 1,4-Dioxane
 Concen: 412.86 ug/l
 RT: 6.86 min Scan# 642
 Delta R.T. -0.02 min
 Lab File: VF060002.D
 Acq: 20 Aug 2018 15:13

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0820SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	2900		
43	44.4		43.2	64.8
58	49.3		42.0	63.0

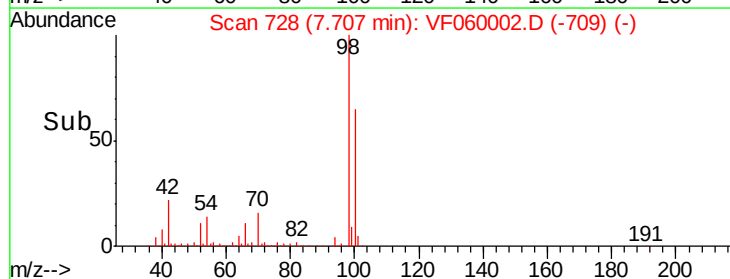
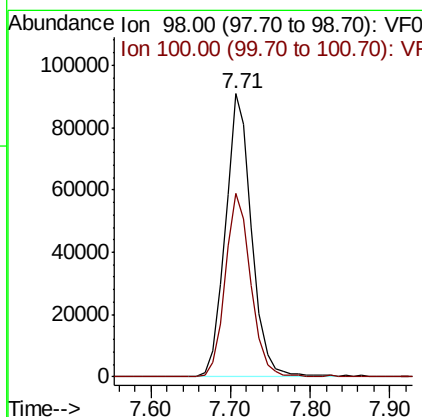
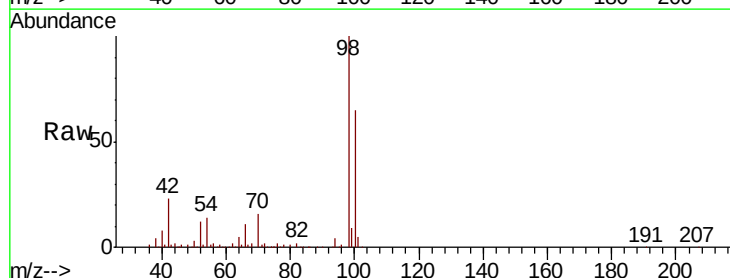
Manual Integrations
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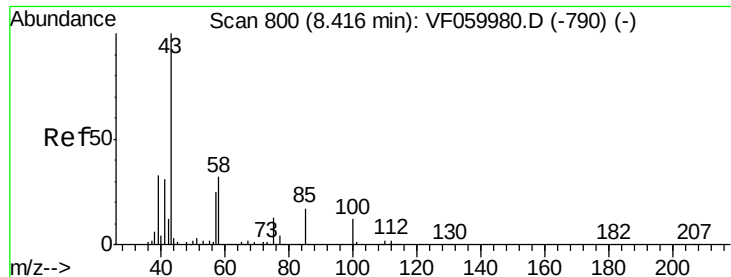
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#50
 Toluene-d8
 Concen: 54.28 ug/l
 RT: 7.71 min Scan# 728
 Delta R.T. -0.01 min
 Lab File: VF060002.D
 Acq: 20 Aug 2018 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	209585		
100	64.6		49.8	74.8





#51

4-Methyl-2-Pentanone

Concen: 106.19 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

Tot Ion: 43 Resp: 116769

Ion Ratio Lower Upper

43 100

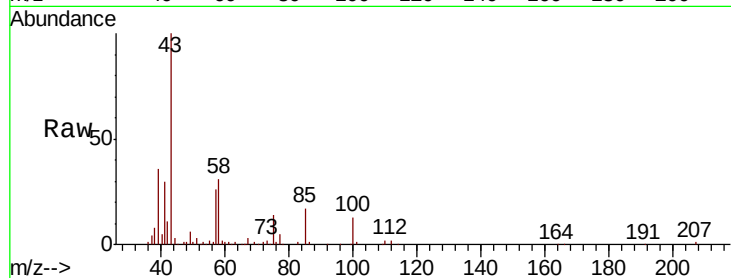
58 31.3 25.6 38.4

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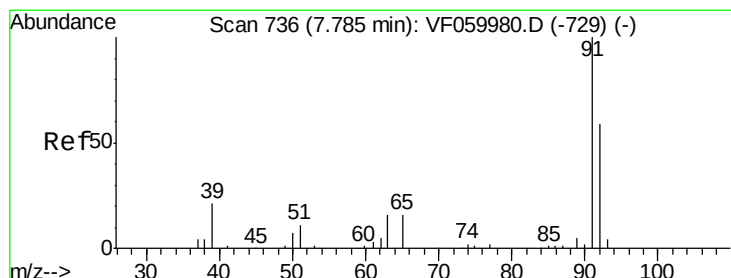
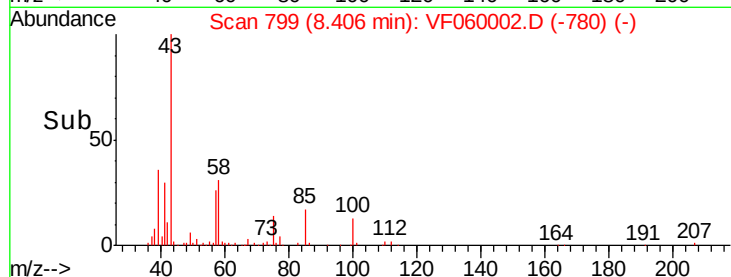
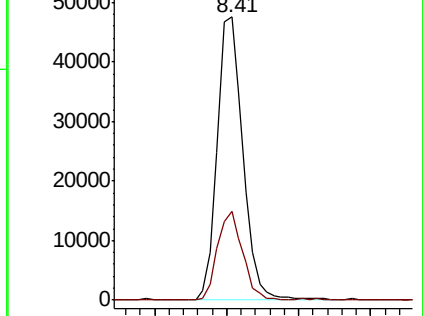
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 22.58 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060002.D

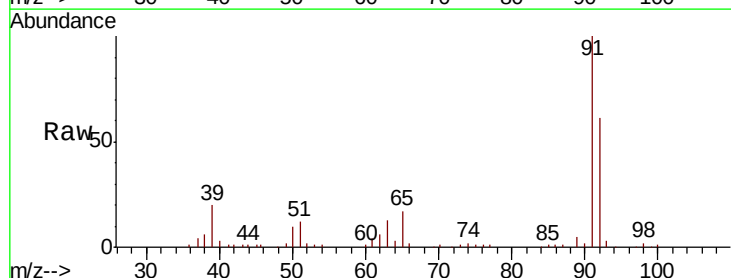
Acq: 20 Aug 2018 15:13

Tgt Ion: 92 Resp: 55359

Ion Ratio Lower Upper

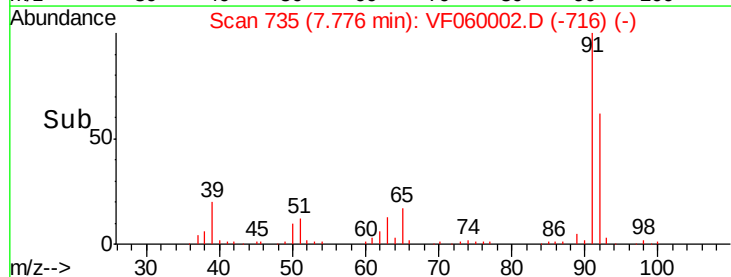
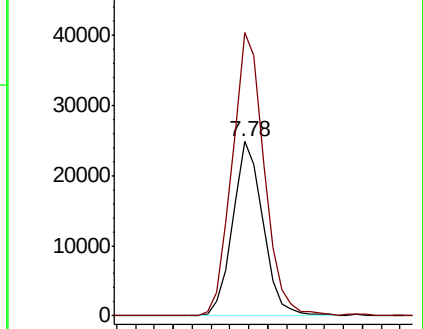
92 100

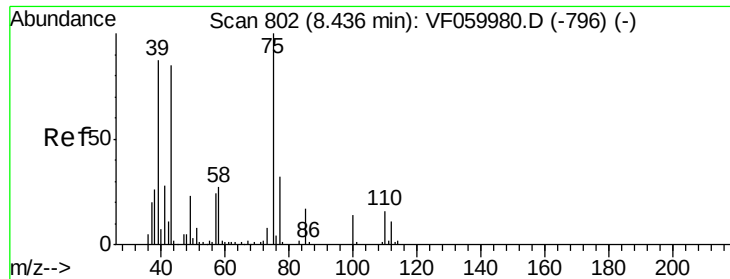
91 162.7 136.5 204.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 22.26 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Tot Ion: 75 Resp: 46832

Ion Ratio Lower Upper

75 100

77 27.5 25.8 38.6

Instrument :

MSVOA_F

ClientSampleId :

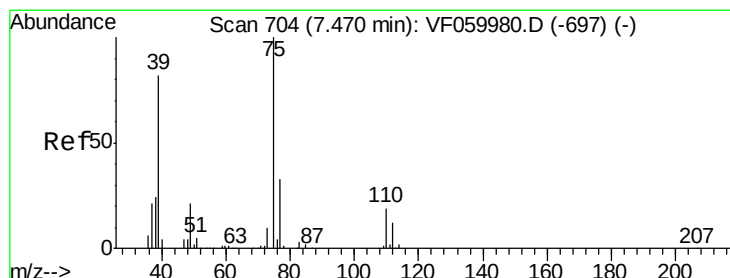
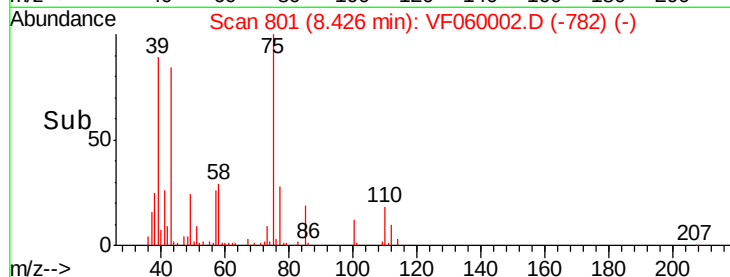
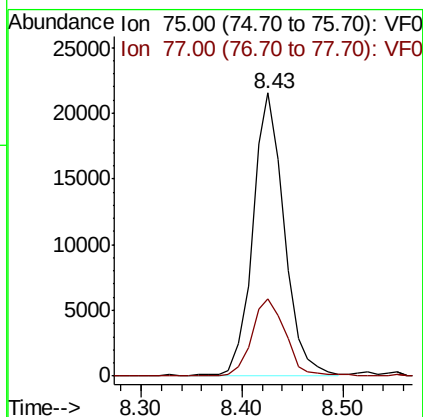
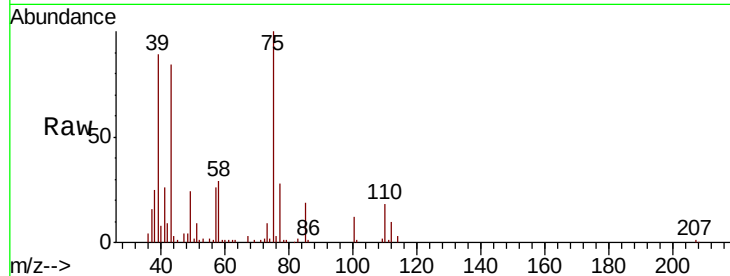
VF0820SBS01

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#54

cis-1,3-Dichloropropene

Concen: 22.50 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.02 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

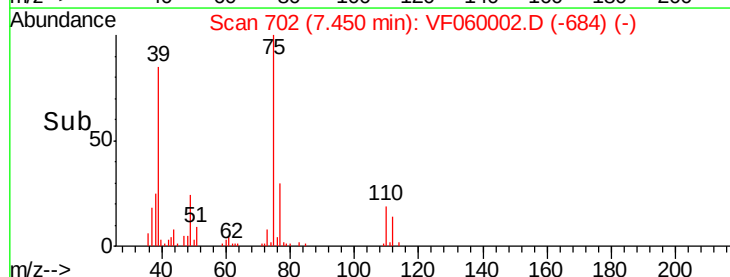
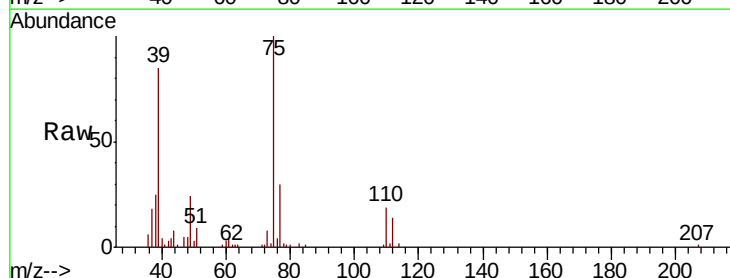
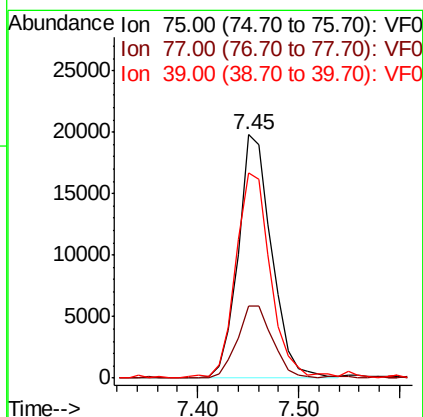
Tgt Ion: 75 Resp: 45713

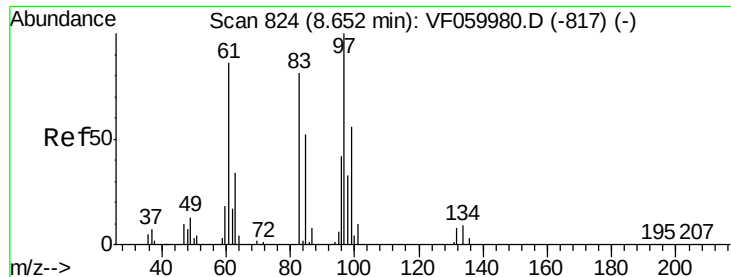
Ion Ratio Lower Upper

75 100

77 29.7 26.0 39.0

39 84.5 65.3 97.9





#55

1,1,2-Trichloroethane

Concen: 21.02 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.02 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

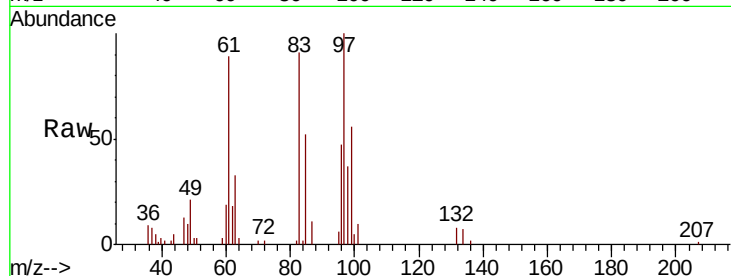
ClientSampleId :

VF0820SBS01

Tot Ion:	97	Resp:	20670
Ion	Ratio	Lower	Upper
97	100		
83	90.9	64.9	97.3
85	52.3	41.8	62.6
99	55.9	45.2	67.8

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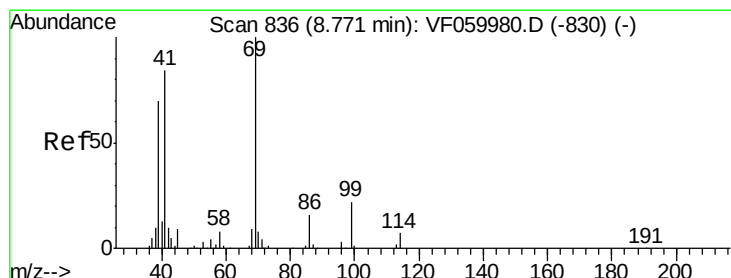
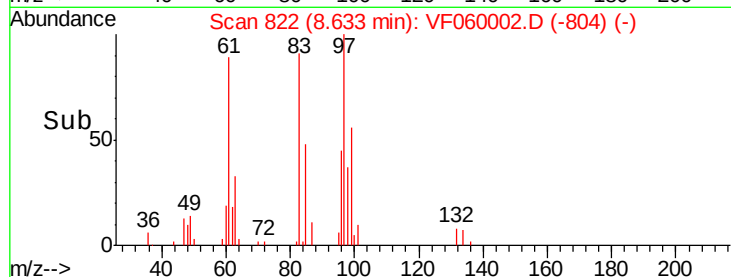
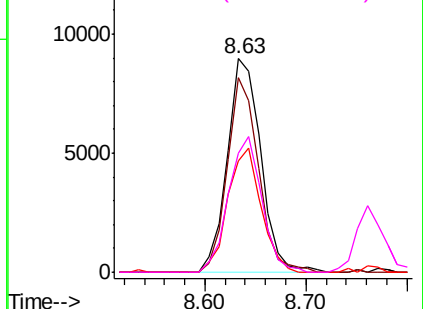


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 20.33 ug/l

RT: 8.76 min Scan# 835

Delta R.T. -0.01 min

Lab File: VF060002.D

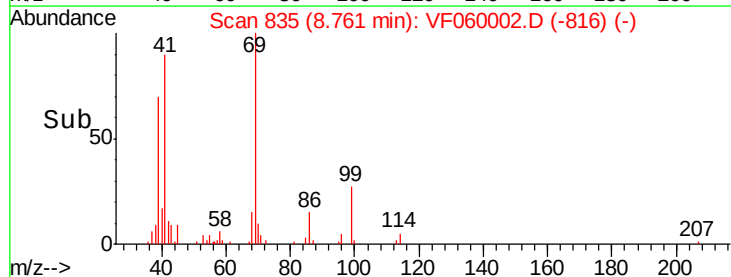
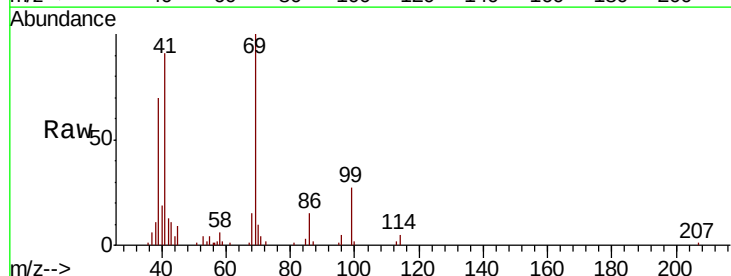
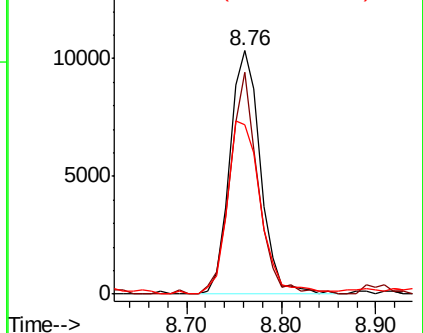
Acq: 20 Aug 2018 15:13

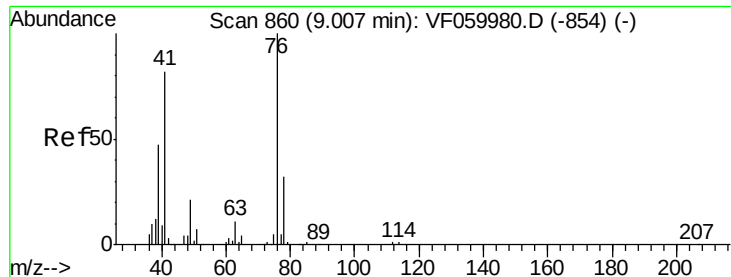
Tgt Ion:	69	Resp:	23160
Ion	Ratio	Lower	Upper
69	100		
41	91.0	67.8	101.6
39	69.8	55.8	83.6

Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





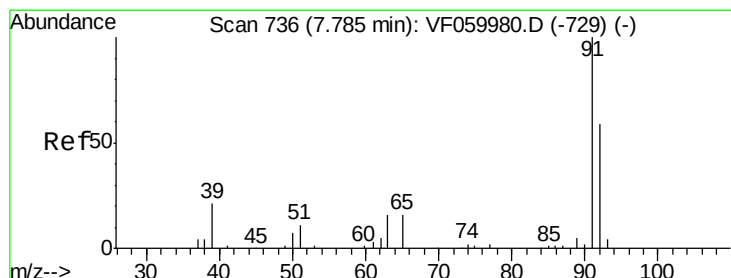
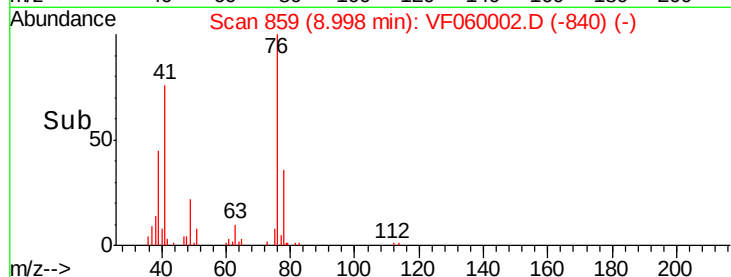
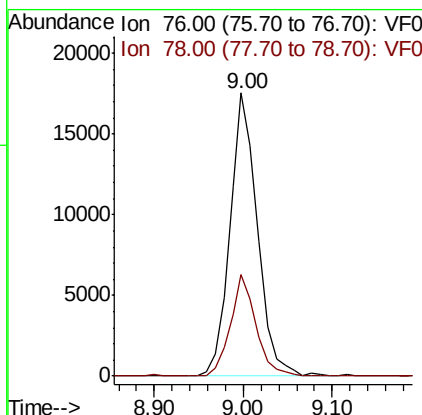
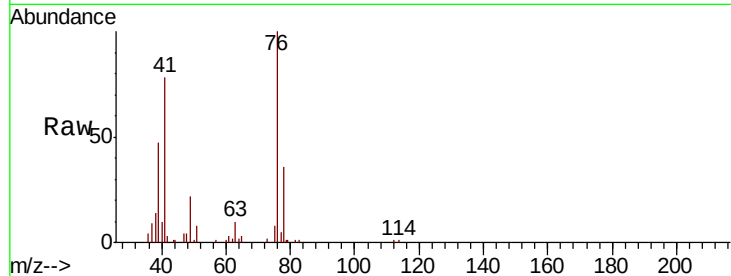
#57
 1,3-Dichloropropane
 Concen: 21.57 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. -0.01 min
 Lab File: VF060002.D
 Acq: 20 Aug 2018 15:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0820SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	35.8	25.3	37.9

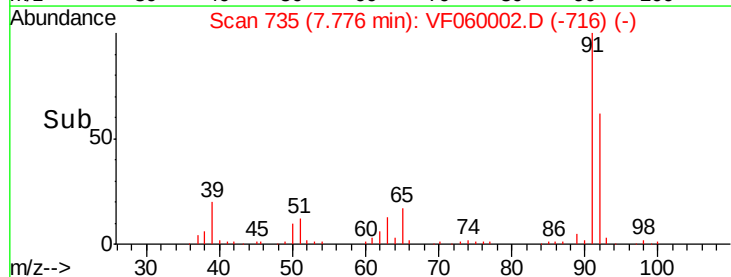
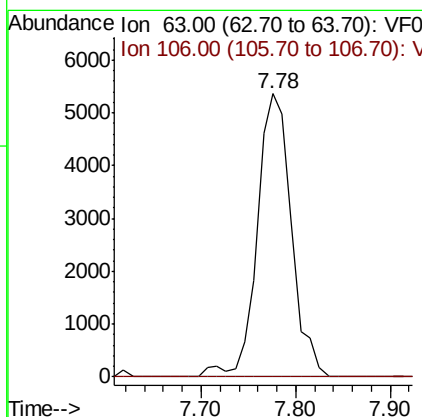
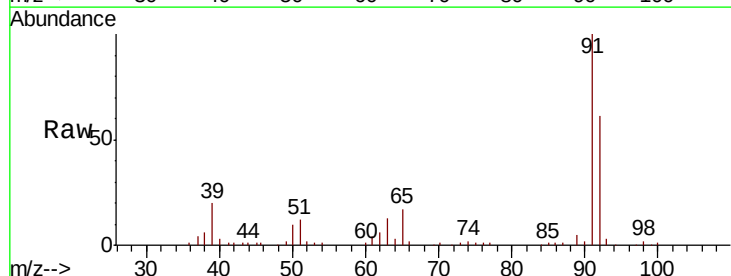
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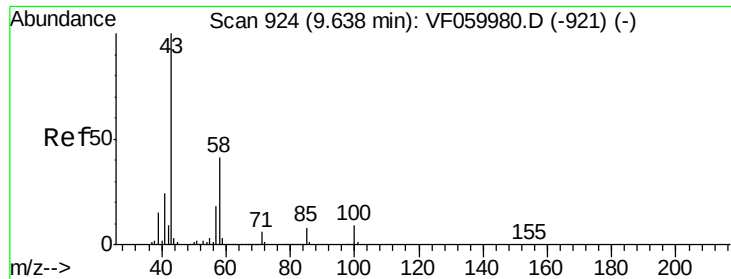
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#58
 2-Chloroethyl Vinyl ether
 Concen: 141.23 ug/l
 RT: 7.78 min Scan# 735
 Delta R.T. -0.01 min
 Lab File: VF060002.D
 Acq: 20 Aug 2018 15:13

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





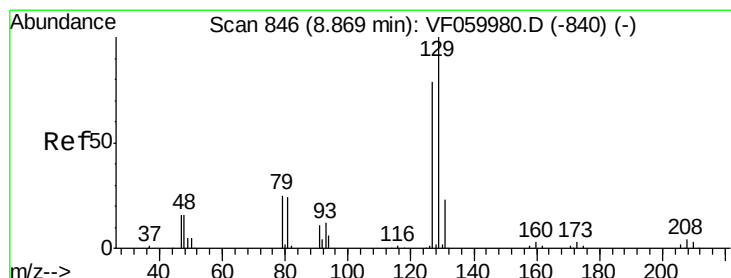
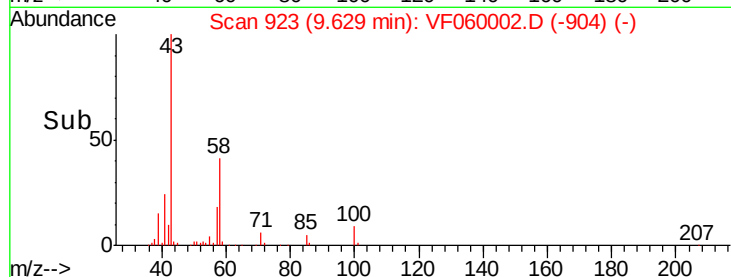
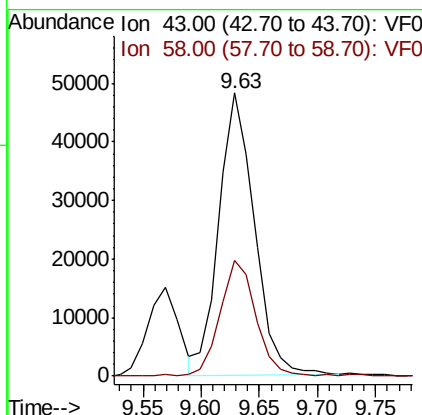
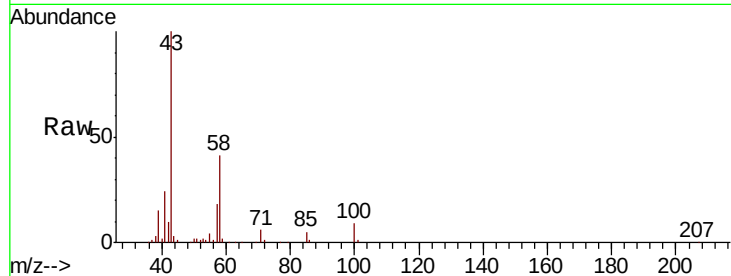
#59
2-Hexanone
Concen: 112.47 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.01 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.7	20.1	60.3

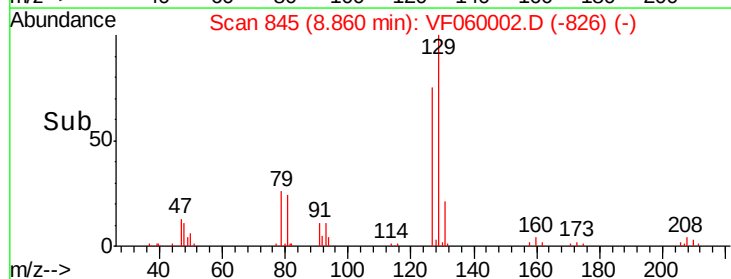
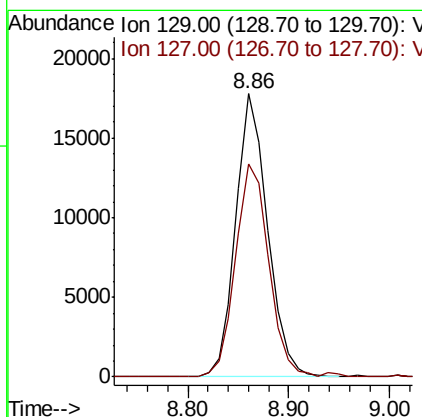
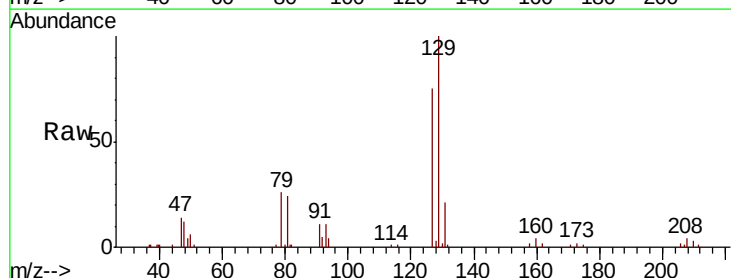
Manual Integrations
APPROVED

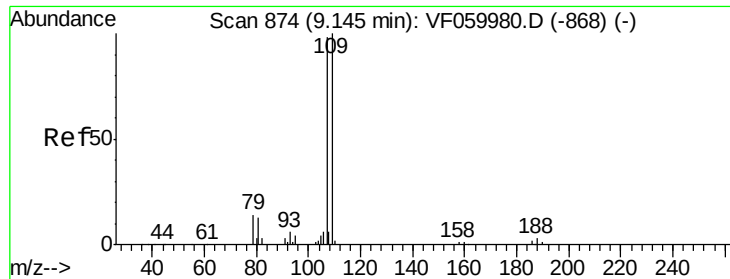
apatel
8/21/2018 10:01:36 AM



#60
Dibromochloromethane
Concen: 21.73 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.01 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.2	39.5	118.5





#61

1,2-Dibromoethane

Concen: 21.27 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

Tot Ion:107 Resp: 26094

Ion Ratio Lower Upper

107 100

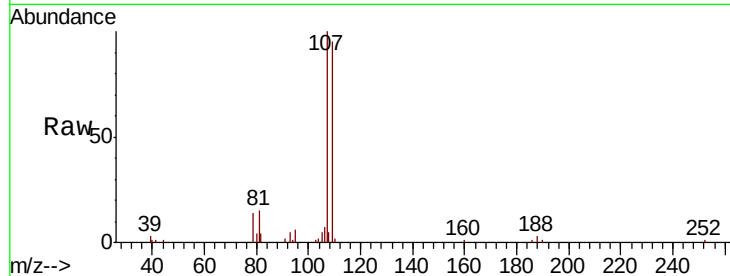
109 94.6 81.7 122.5

Manual Integrations

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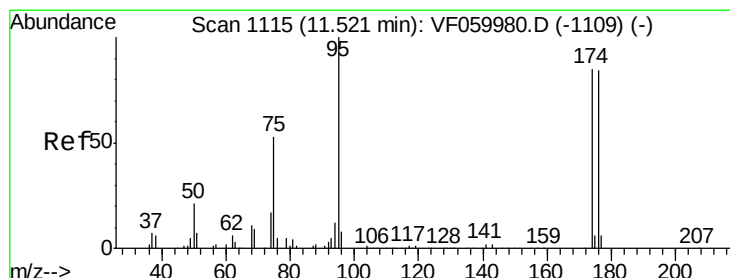
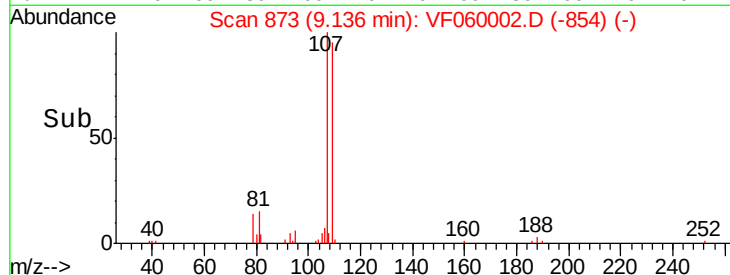
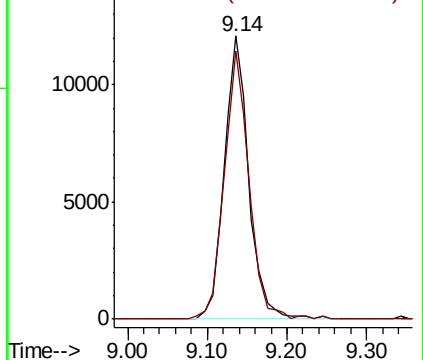
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 55.41 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

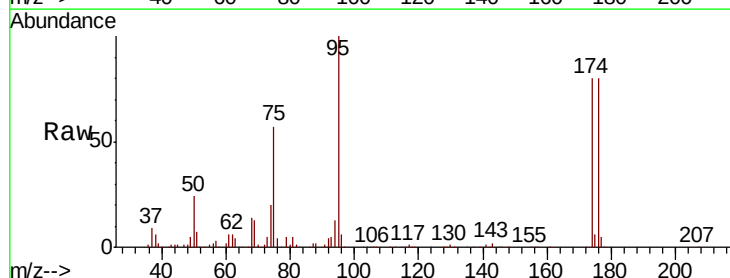
Tgt Ion: 95 Resp: 131300

Ion Ratio Lower Upper

95 100

174 79.8 0.0 169.8

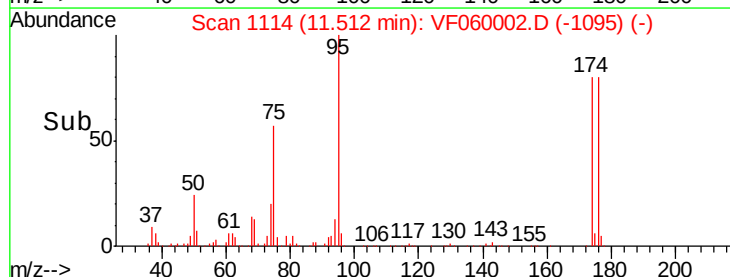
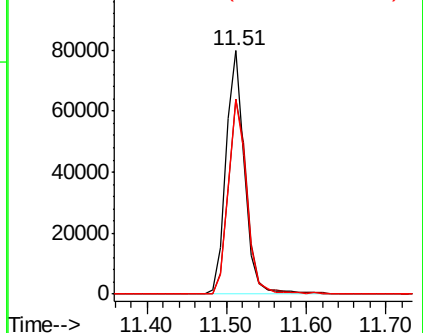
176 80.3 0.0 167.8

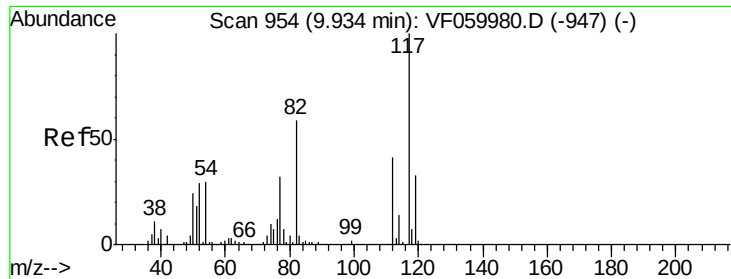


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





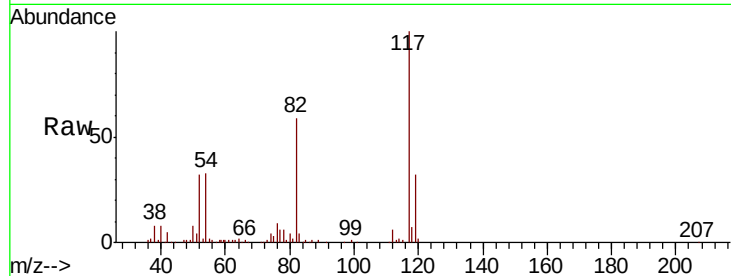
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	186844		
82	58.9	47.2	70.8	
119	32.5	26.1	39.1	

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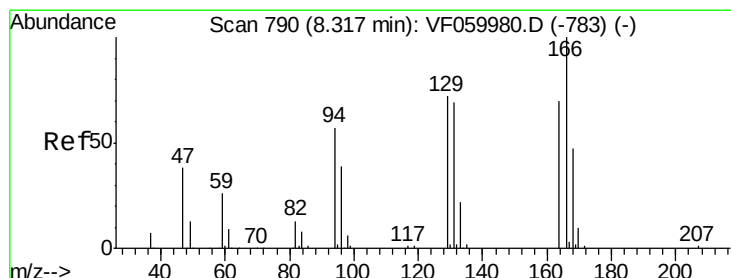
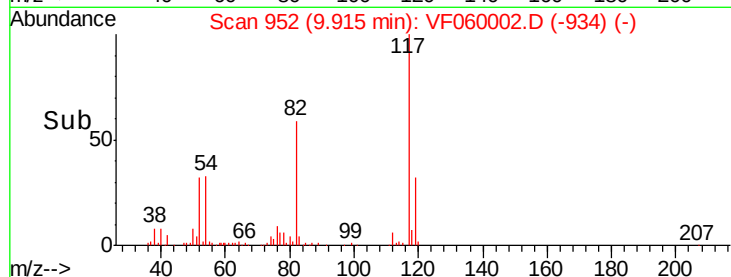
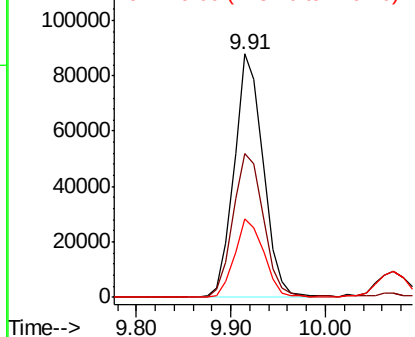


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 20.38 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.01 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	29009		
166	127.0	114.5	171.7	
129	93.8	82.3	123.5	
131	85.3	78.6	118.0	

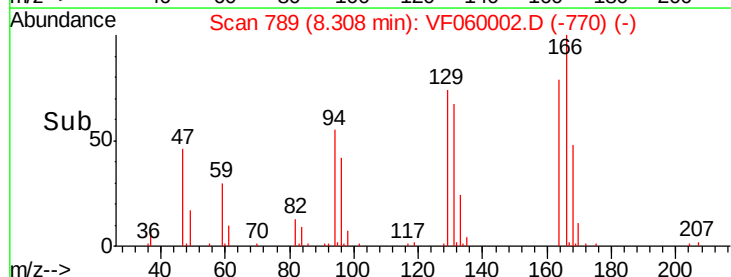
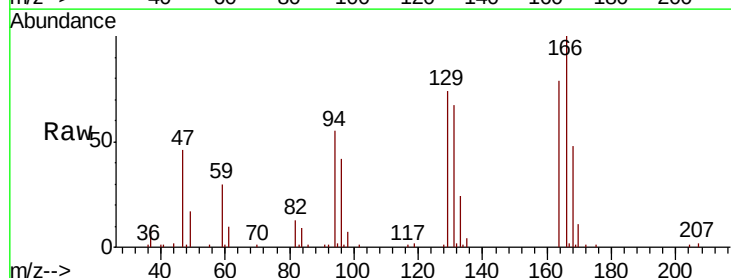
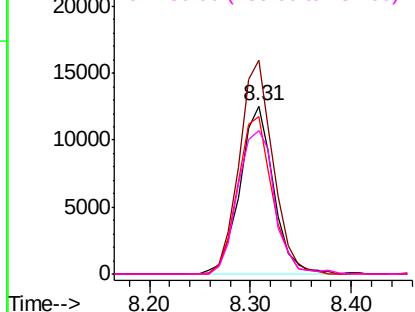
Abundance

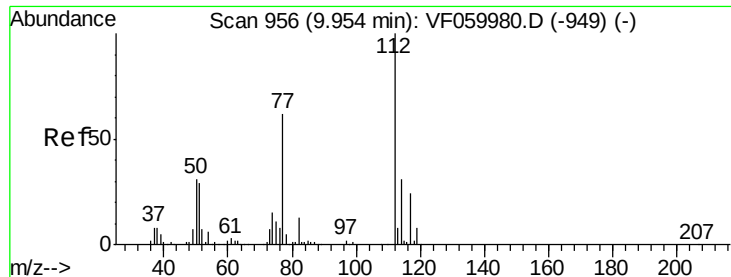
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





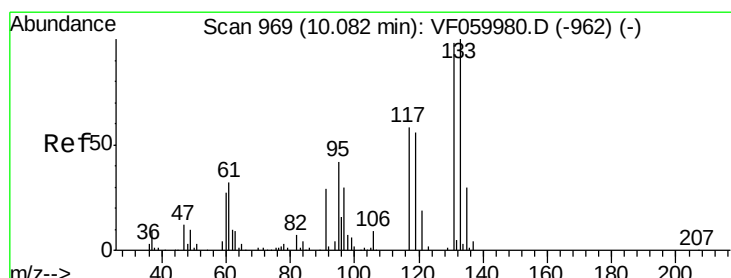
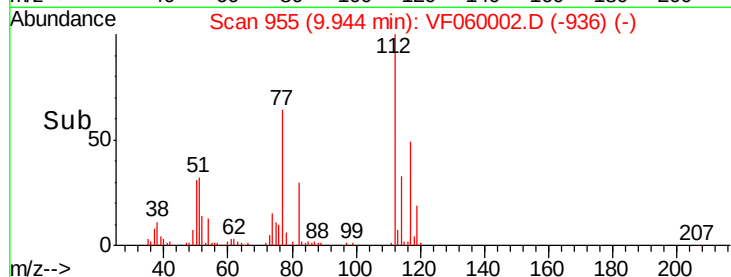
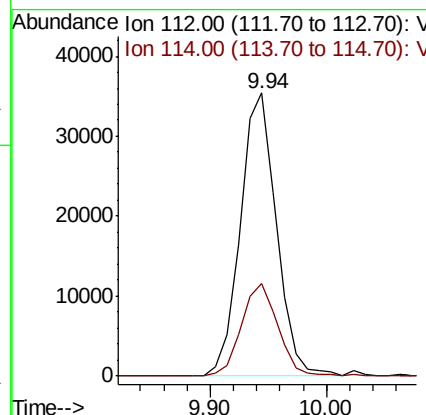
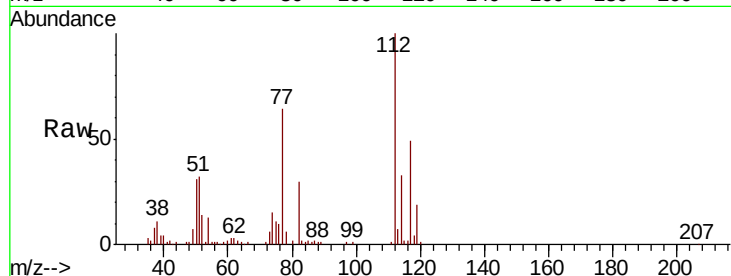
#65
Chlorobenzene
Concen: 20.56 ug/l
RT: 9.94 min Scan# 955
Delta R.T. -0.01 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	25.0	37.4

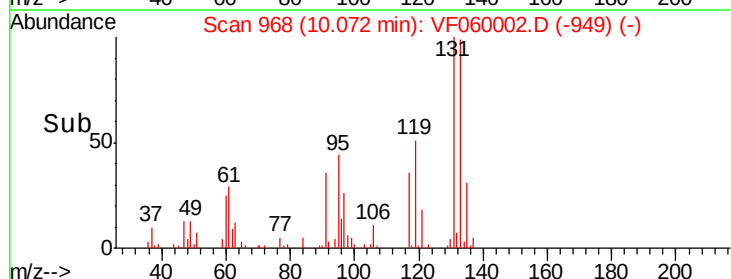
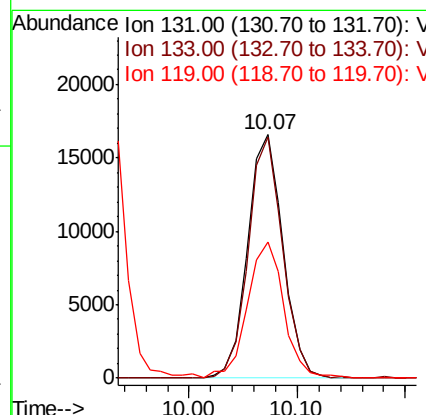
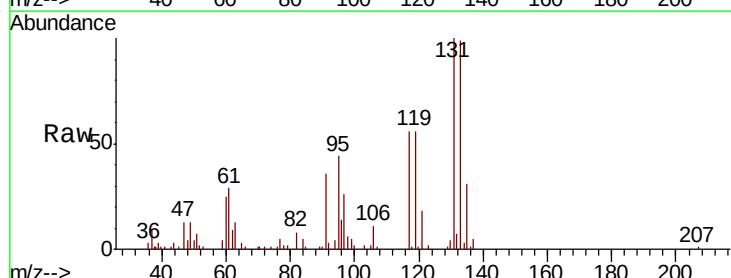
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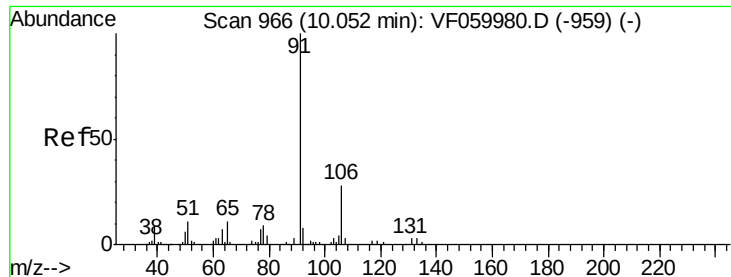
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.09 ug/l
RT: 10.07 min Scan# 968
Delta R.T. -0.01 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Tgt Ion	Ratio	Lower	Upper
131	100		
133	99.2	51.1	153.3
119	55.9	29.0	87.1





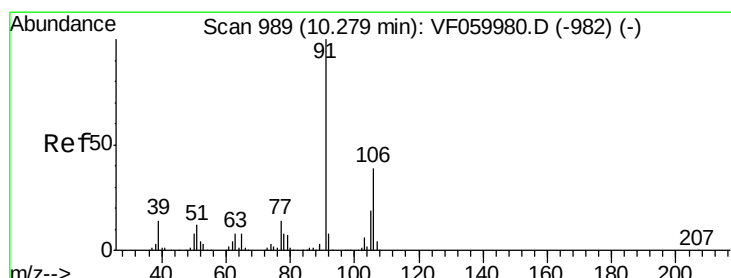
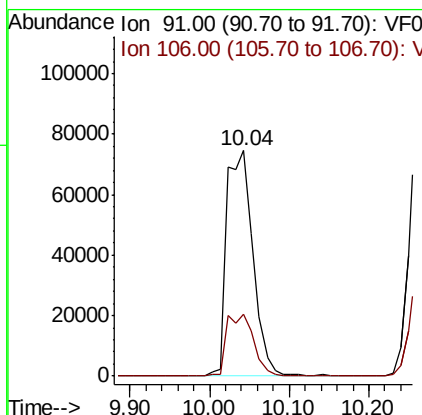
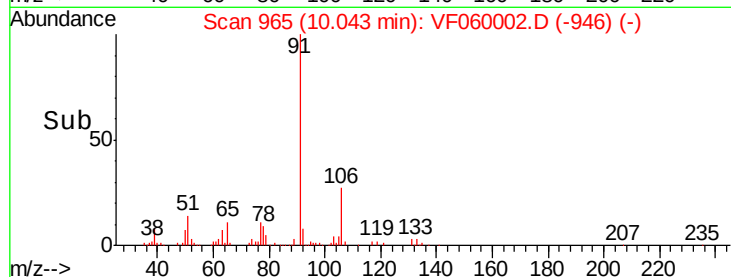
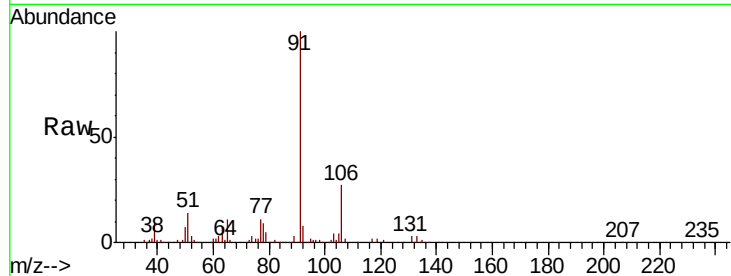
#67
Ethyl Benzene
Concen: 25.93 ug/l
RT: 10.04 min Scan# 965
Delta R.T. -0.01 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

Tot Ion: 91 Resp: 173618
Ion Ratio Lower Upper
91 100
106 27.5 22.0 33.0

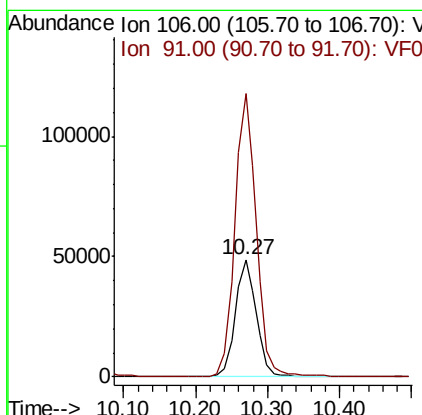
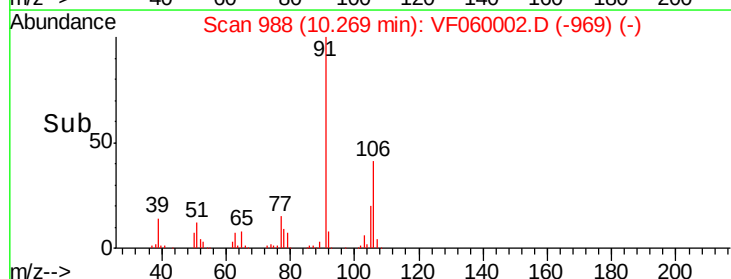
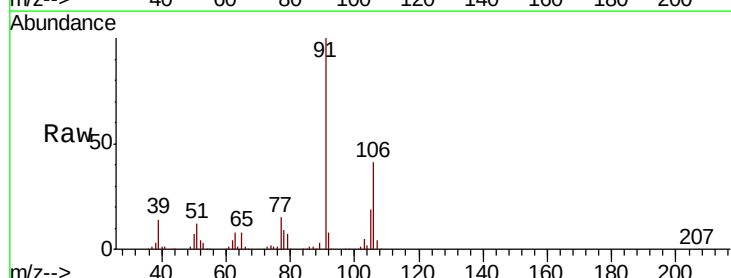
Manual Integrations
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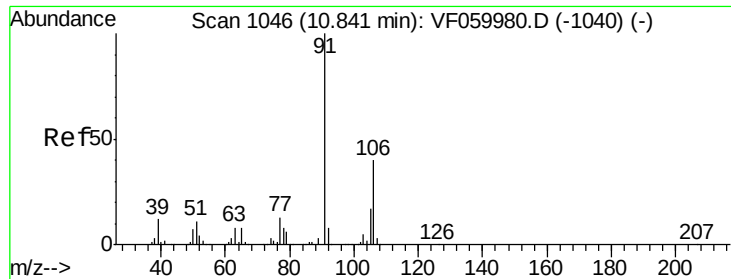
apatel
8/21/2018 10:01:36 AM



#68
m/p-Xylenes
Concen: 42.97 ug/l
RT: 10.27 min Scan# 988
Delta R.T. -0.01 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Tgt Ion: 106 Resp: 99690
Ion Ratio Lower Upper
106 100
91 241.6 203.5 305.3





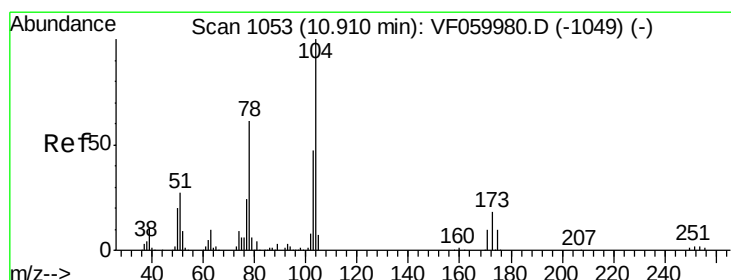
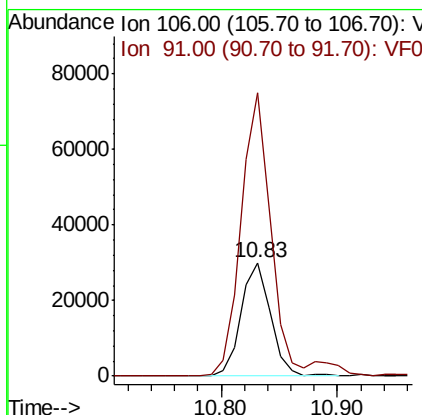
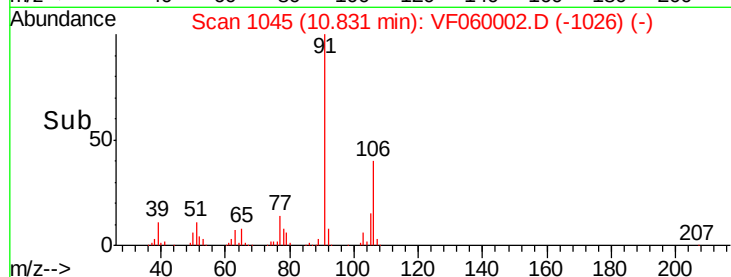
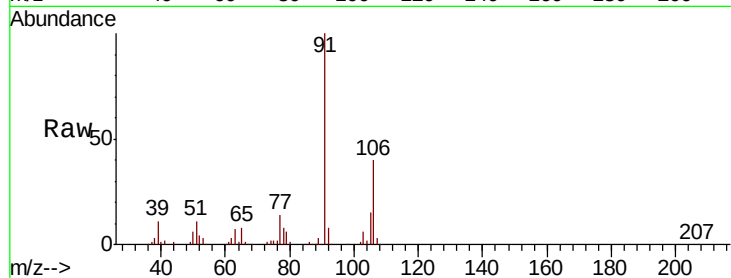
#69
o-Xylene
Concen: 22.20 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Instrument :
MSVOA_F
ClientSampleID :
VF0820SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		52791		
91	249.6	125.4	376.2		

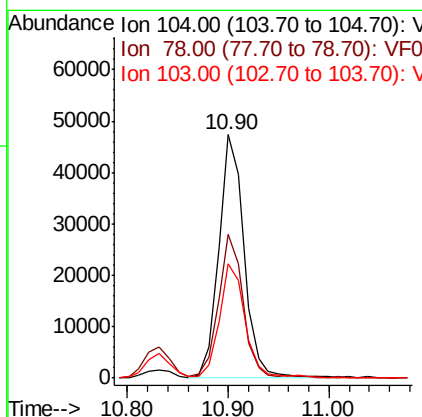
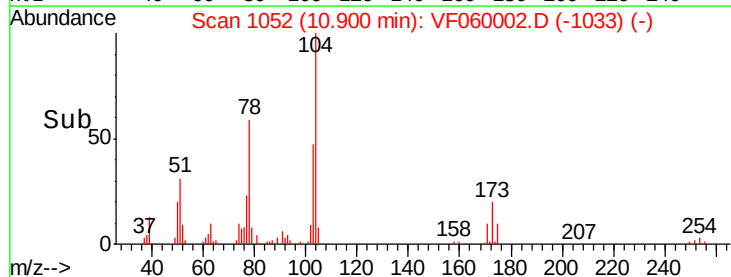
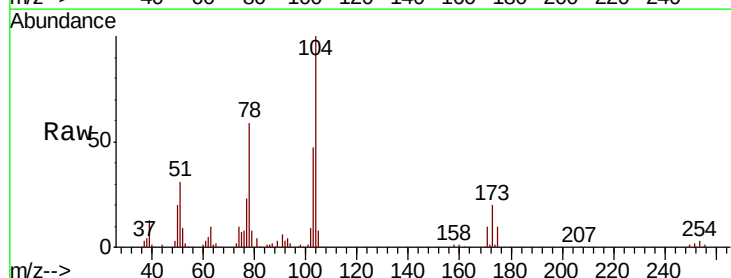
Manual Integrations
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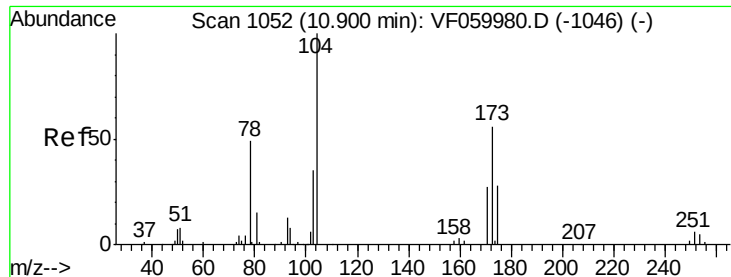
apatel
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#70
Styrene
Concen: 21.59 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		82257		
78	59.1	49.0	73.6		
103	46.7	38.2	57.4		





#71

Bromoform

Concen: 19.99 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

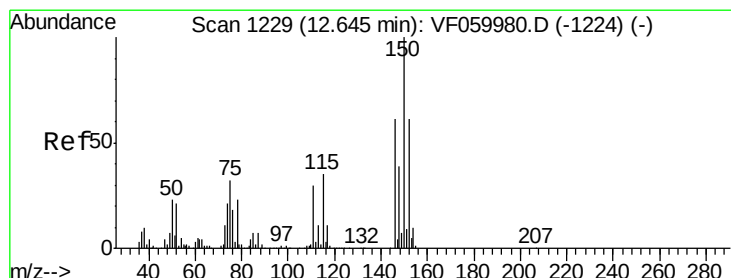
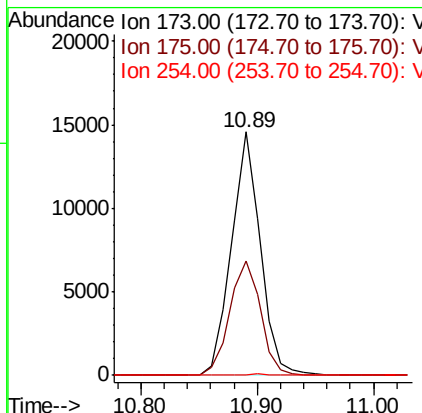
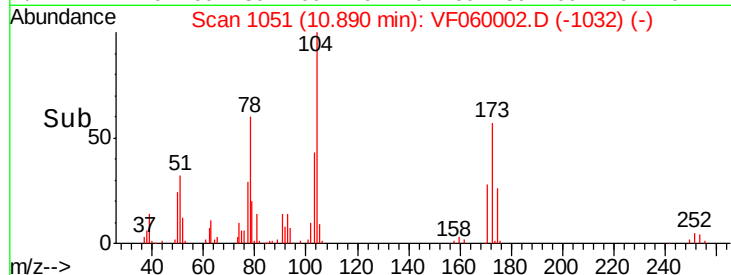
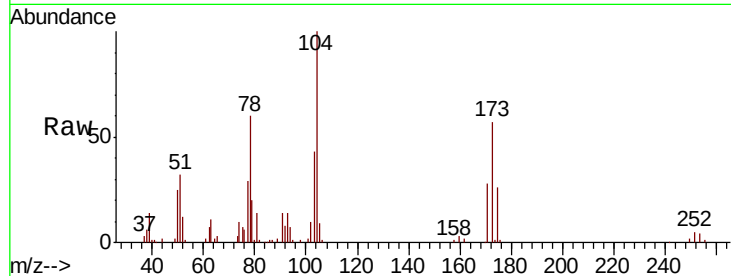
ClientSampleId :

VF0820SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.0	24.8	74.3
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

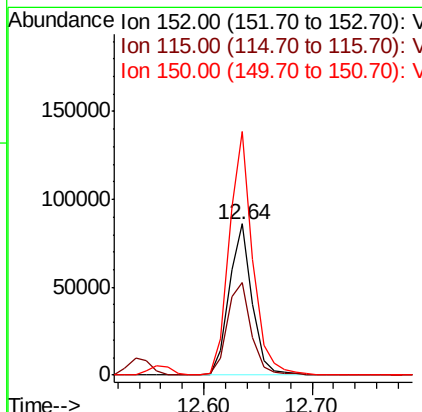
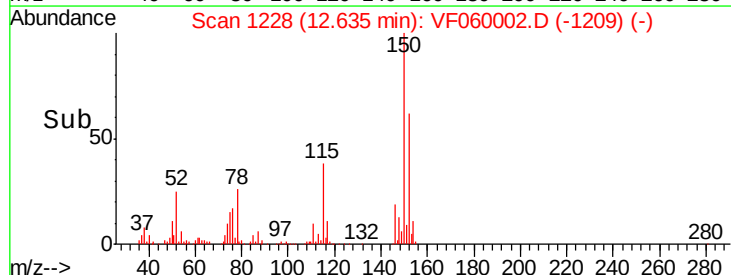
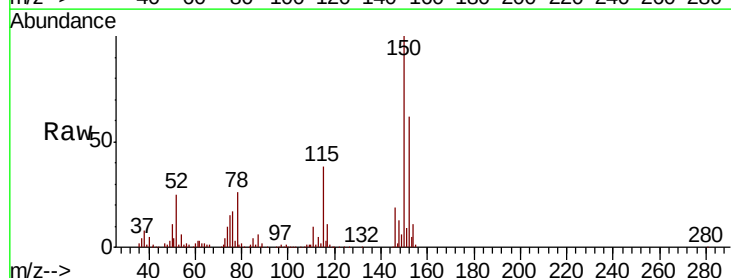
RT: 12.64 min Scan# 1228

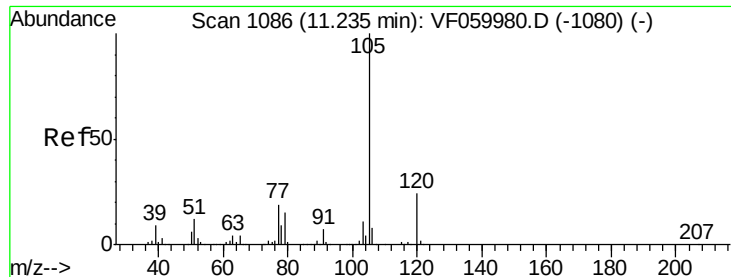
Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	29.1	87.3
150	161.0	0.0	330.2





#73

Isopropylbenzene

Concen: 23.09 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

Tot Ion:105 Resp: 176864

Ion Ratio Lower Upper

105 100

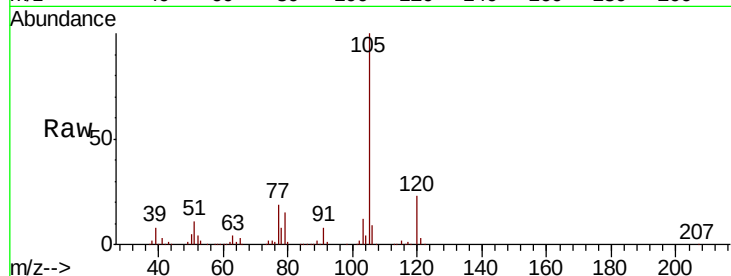
120 23.4 11.9 35.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.23

120000

100000

80000

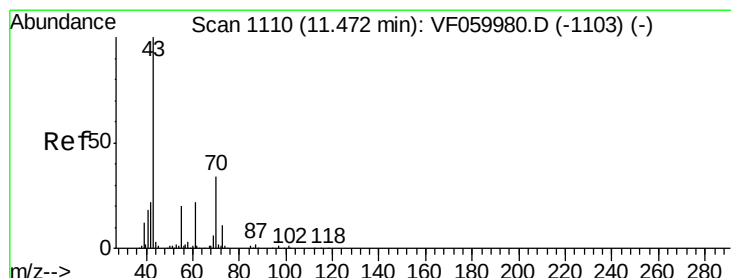
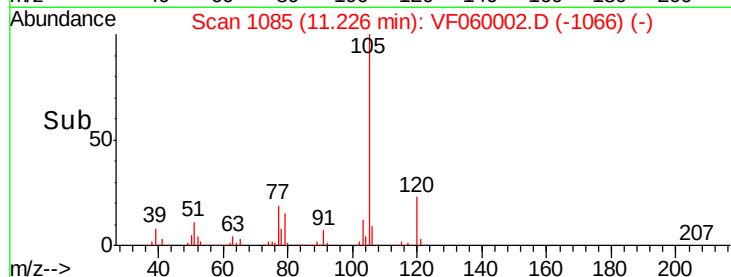
60000

40000

20000

0

Time--> 11.10 11.20 11.30 11.40



#74

N-ethyl acetate

Concen: 19.86 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Tgt Ion: 43 Resp: 43178

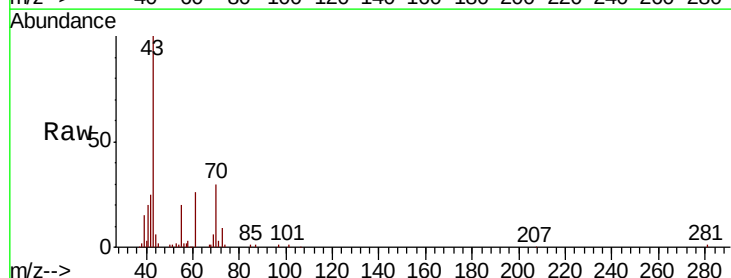
Ion Ratio Lower Upper

43 100

70 29.6 27.2 40.8

55 20.2 16.4 24.6

61 25.7 17.6 26.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

40000

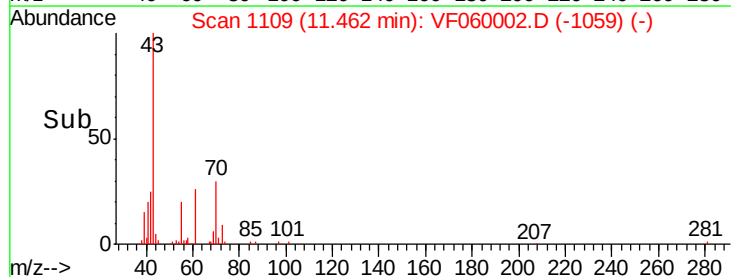
30000

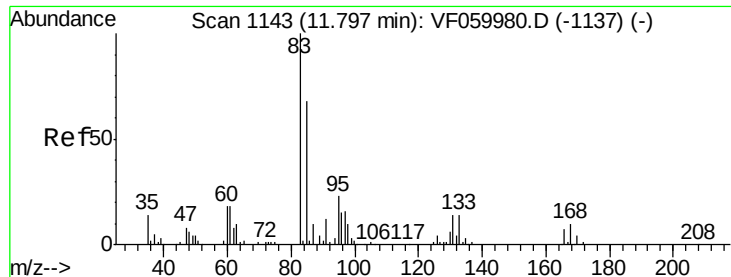
20000

10000

0

Time--> 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 20.85 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

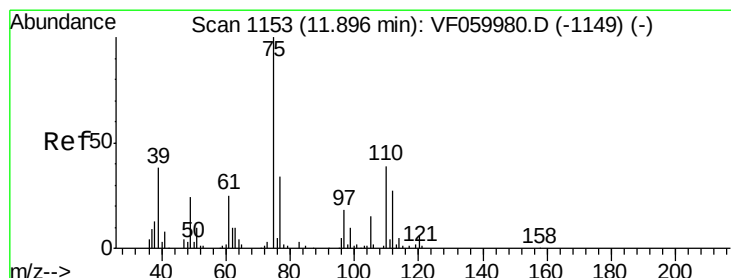
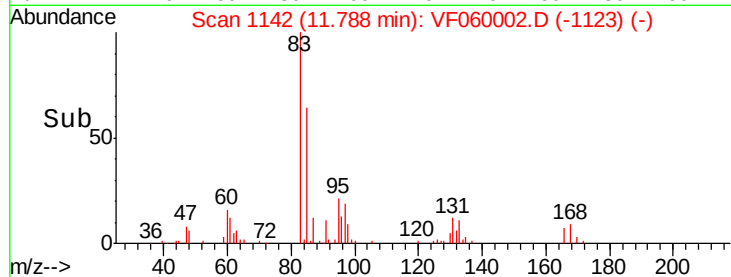
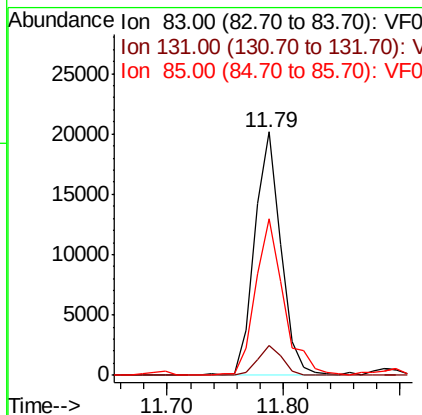
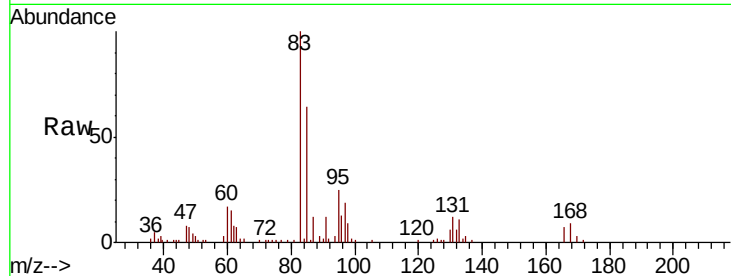
ClientSampleId :

VF0820SBS01

Tot Ion	83	Resp	31360
Ion Ratio	100	Lower	Upper
83	100		
131	12.5	7.2	21.6
85	64.5	34.1	102.2

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#76

1,2,3-Trichloropropane

Concen: 20.79 ug/l

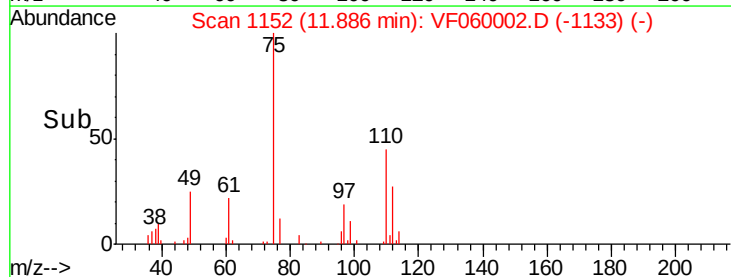
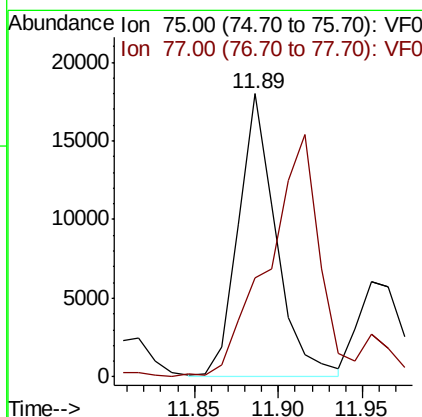
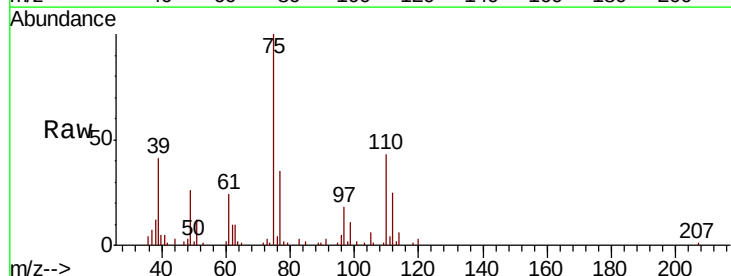
RT: 11.89 min Scan# 1152

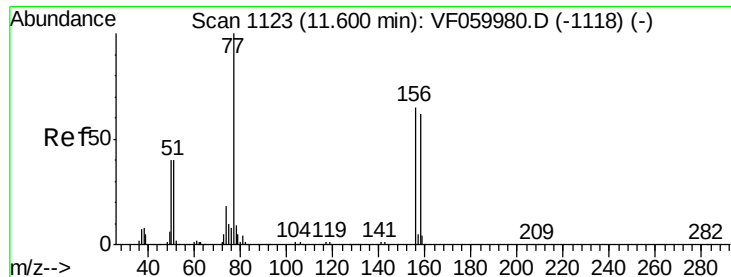
Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Tgt Ion	75	Resp	27690
Ion Ratio	100	Lower	Upper
75	100		
77	35.2	17.1	51.3





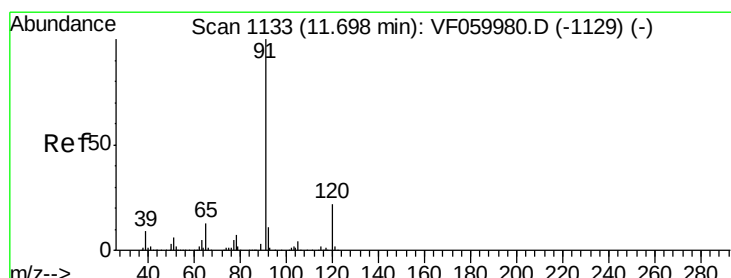
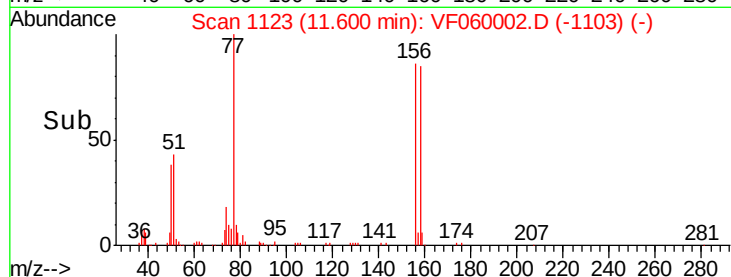
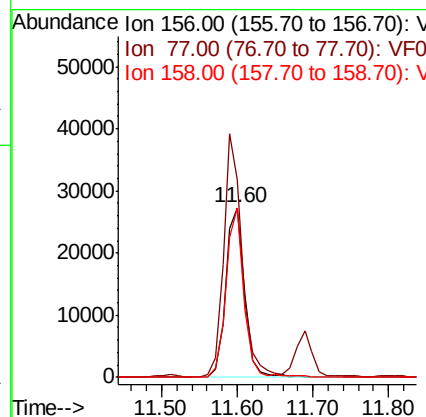
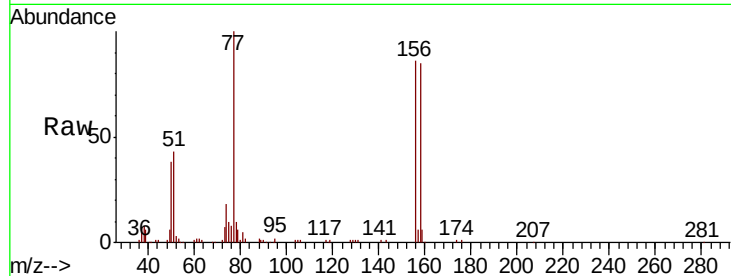
#77
Bromobenzene
Concen: 22.25 ug/l
RT: 11.60 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	116.5	76.9	230.7
158	99.5	47.7	143.1

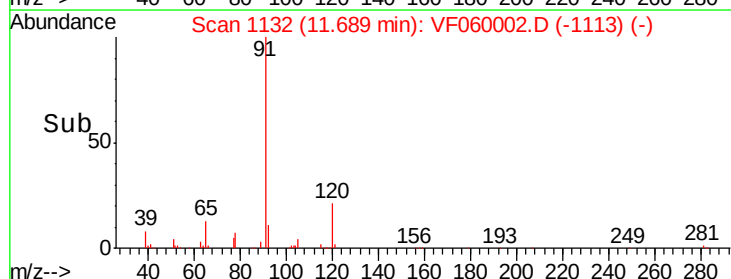
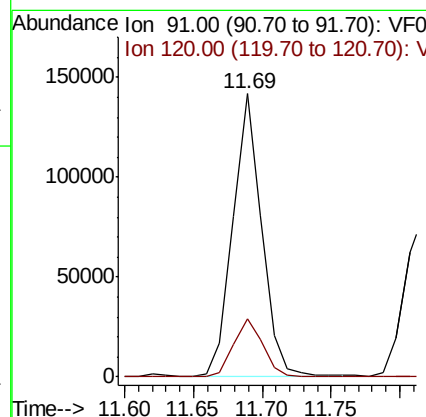
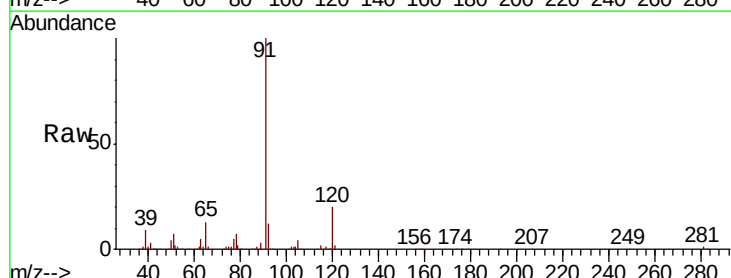
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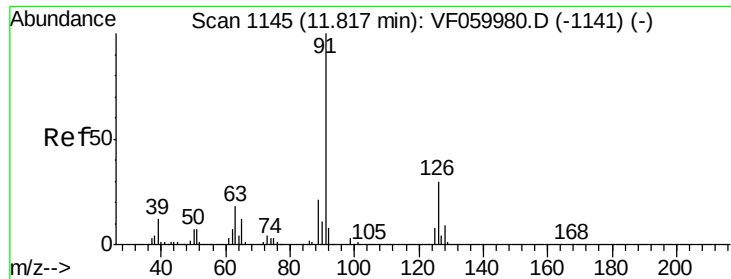
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#78
n-propylbenzene
Concen: 21.78 ug/l
RT: 11.69 min Scan# 1132
Delta R.T. -0.01 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.5	11.0	33.0





#79

2-Chlorotoluene

Concen: 21.11 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

Tot Ion: 91 Resp: 121980

Ion Ratio Lower Upper

91 100

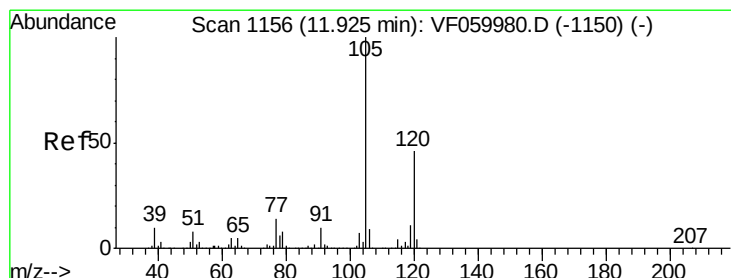
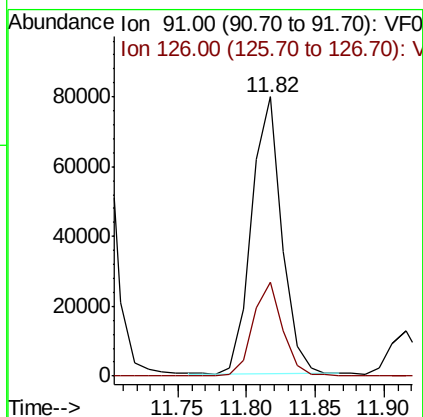
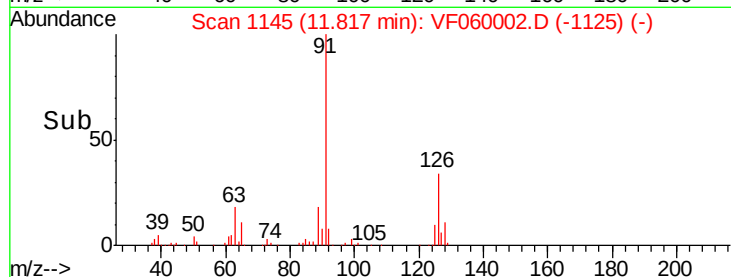
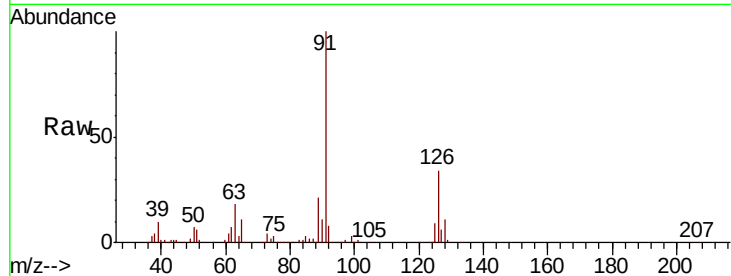
126 33.8 14.7 44.1

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#80

1,3,5-Trimethylbenzene

Concen: 22.40 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VF060002.D

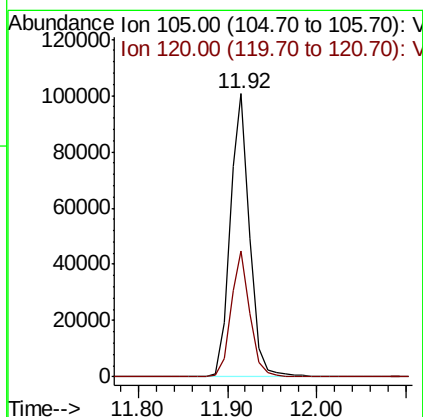
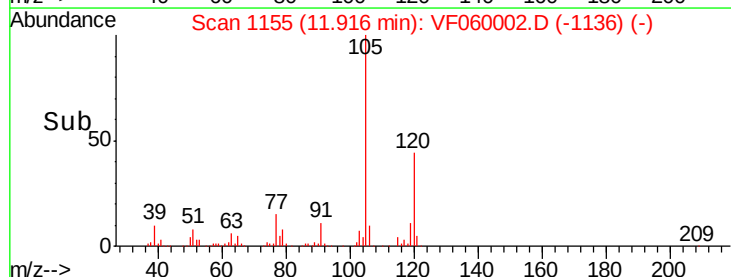
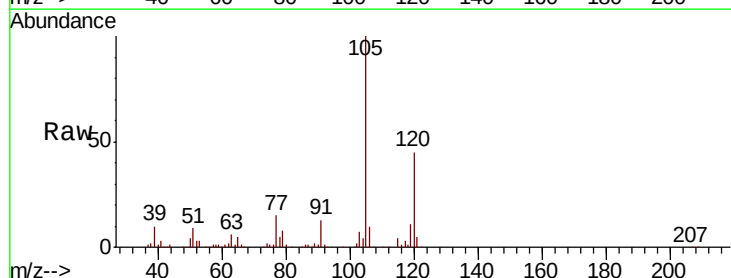
Acq: 20 Aug 2018 15:13

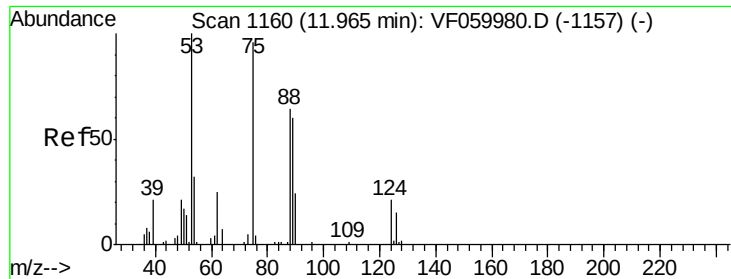
Tgt Ion:105 Resp: 155149

Ion Ratio Lower Upper

105 100

120 44.7 22.9 68.7





#81

trans-1,4-Dichloro-2-butene

Concen: 18.20 ug/l m

RT: 11.96 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

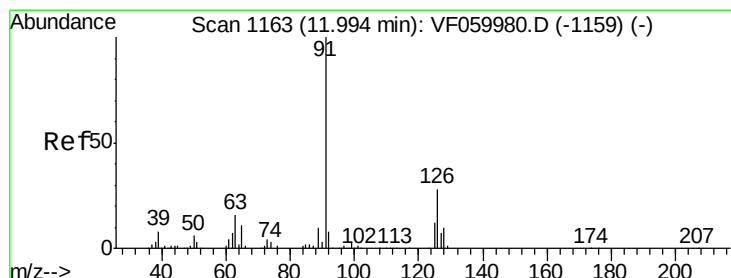
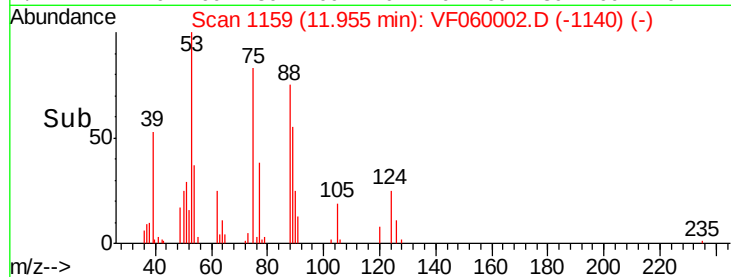
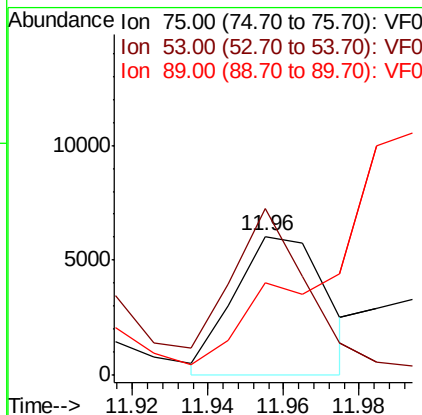
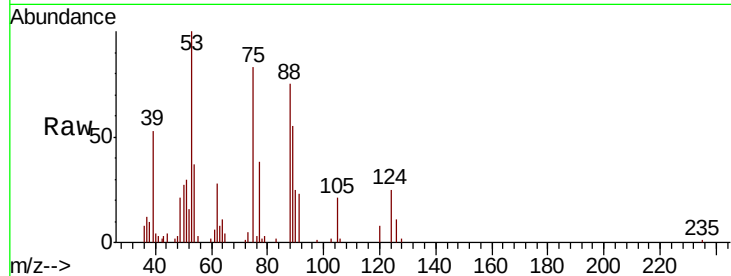
ClientSampleId :

VF0820SBS01

Tot Ion:	75	Resp:	10232
Ion	Ratio	Lower	Upper
75	100		
53	120.1	87.4	131.0
89	66.4	52.8	79.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 22.34 ug/l

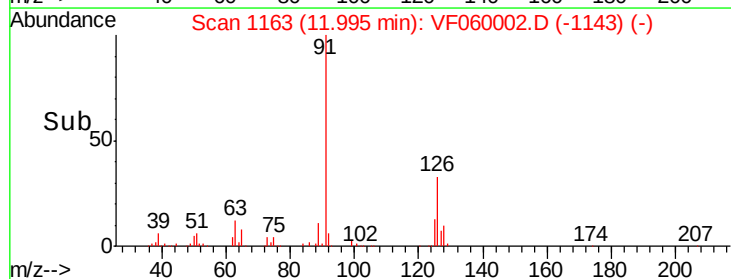
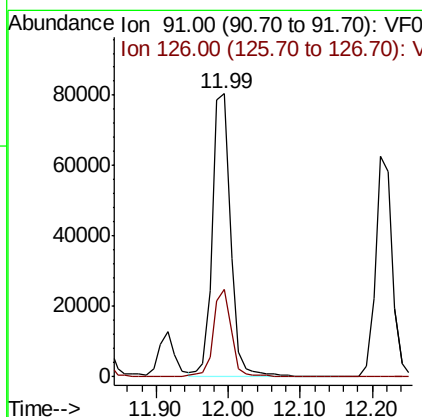
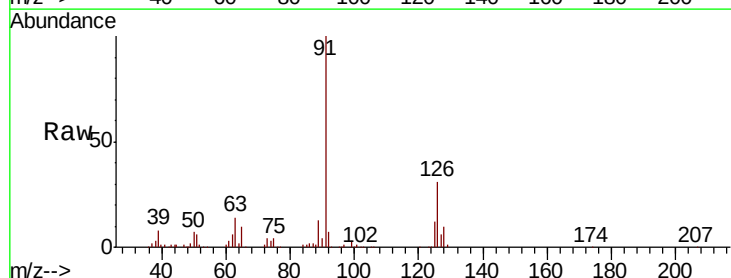
RT: 11.99 min Scan# 1163

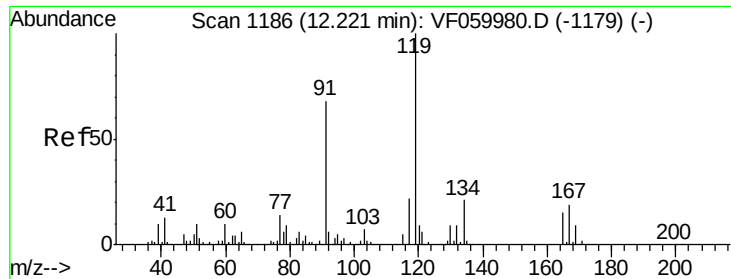
Delta R.T. 0.00 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Tgt Ion:	91	Resp:	141266
Ion	Ratio	Lower	Upper
91	100		
126	30.7	14.1	42.4





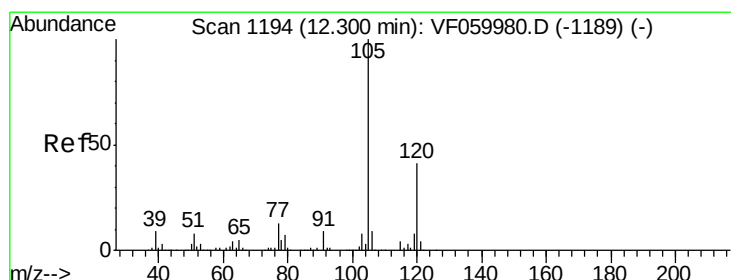
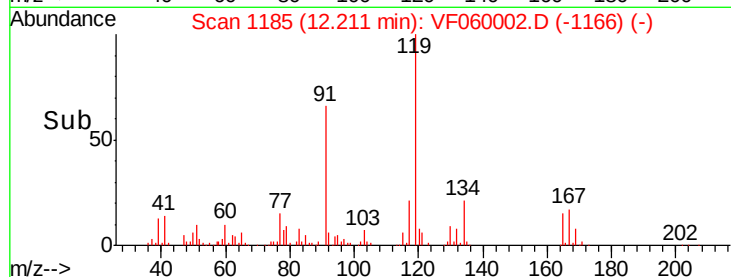
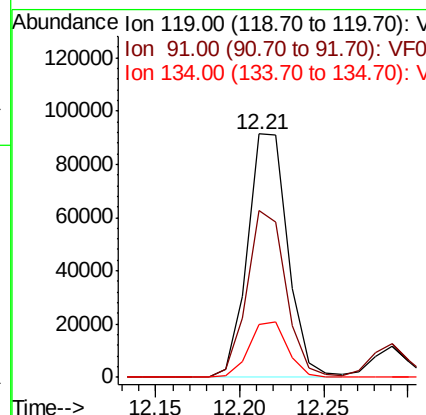
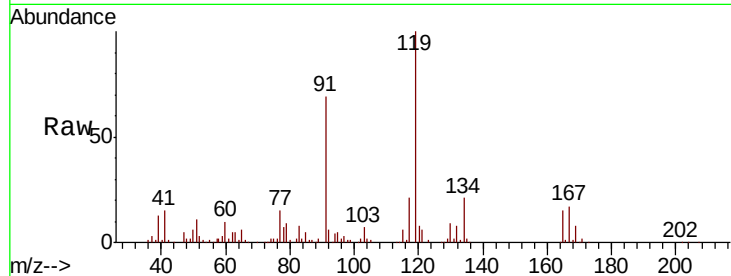
#83
 tert-Butylbenzene
 Concen: 22.40 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: VF060002.D
 Acq: 20 Aug 2018 15:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0820SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	152428		
91	68.8	34.1	102.2	
134	21.5	10.5	31.6	

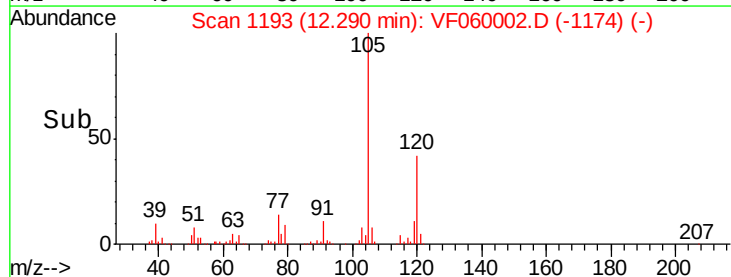
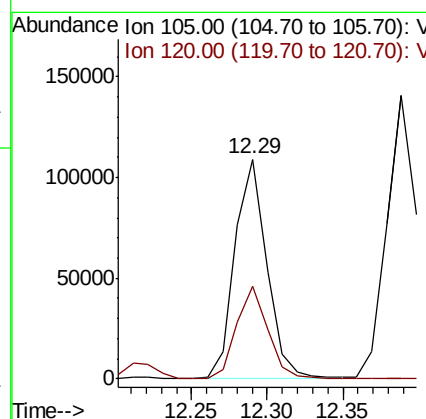
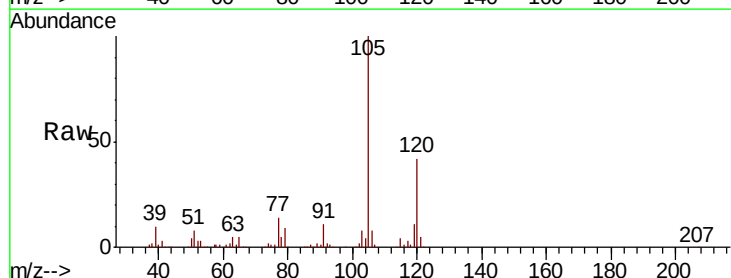
Manual Integrations
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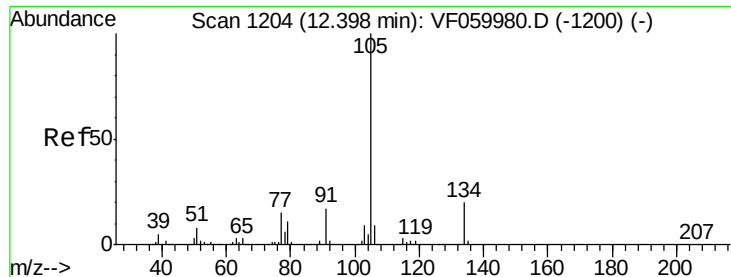
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.10 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: VF060002.D
 Acq: 20 Aug 2018 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	161159		
120	42.0	20.9	62.7	





#85

sec-Butylbenzene

Concen: 22.28 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

Tot Ion:105 Resp: 200374

Ion Ratio Lower Upper

105 100

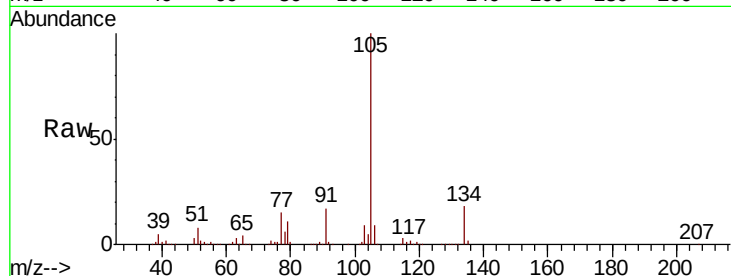
134 18.0 9.8 29.5

Manual Integrations

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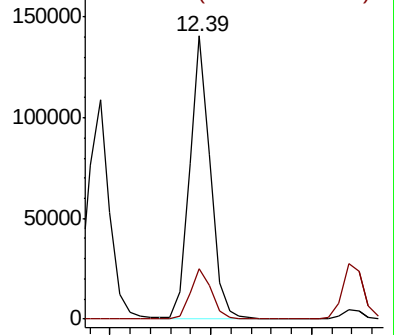
apatel

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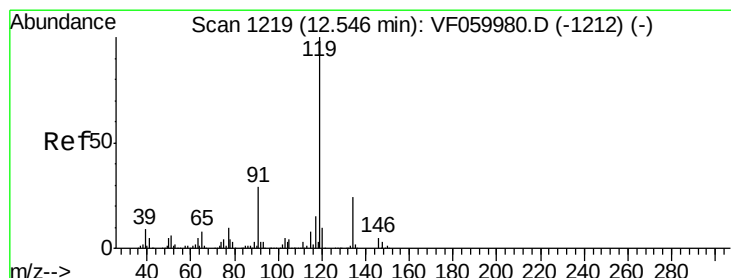
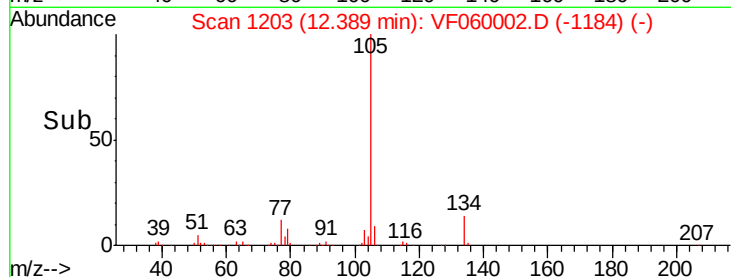


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 22.48 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

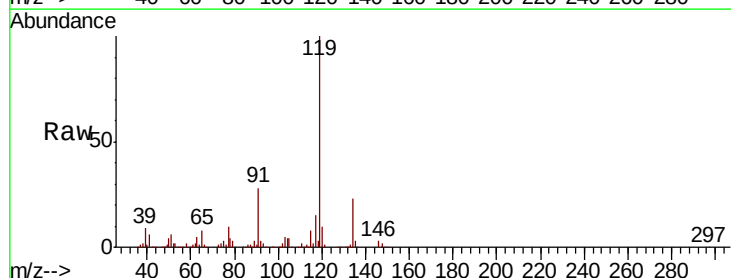
Tgt Ion:119 Resp: 178844

Ion Ratio Lower Upper

119 100

134 23.1 12.1 36.3

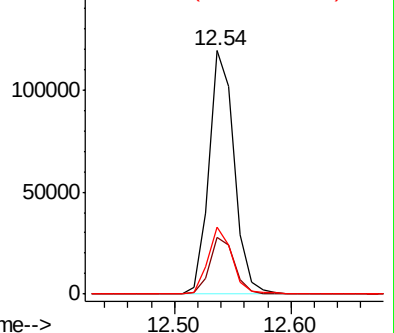
91 27.8 14.4 43.4



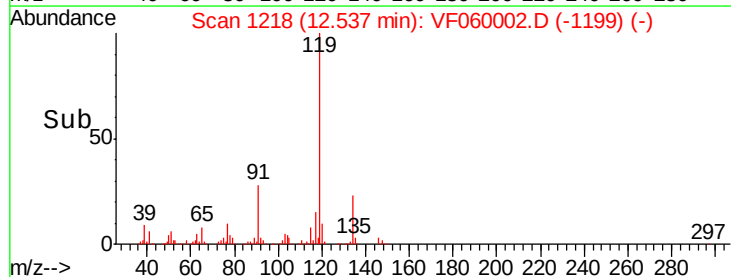
Abundance Ion 119.00 (118.70 to 119.70): V

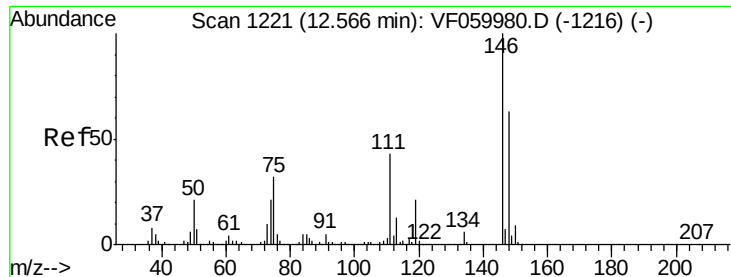
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





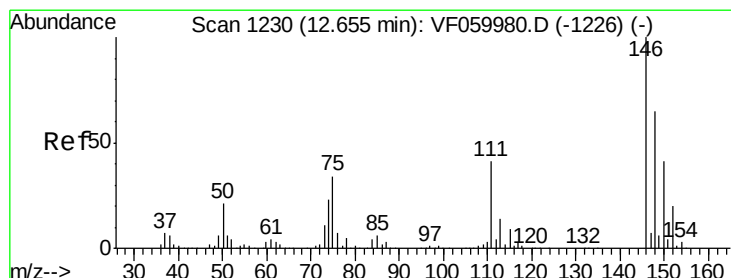
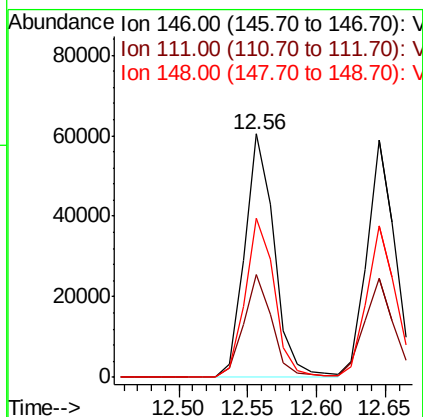
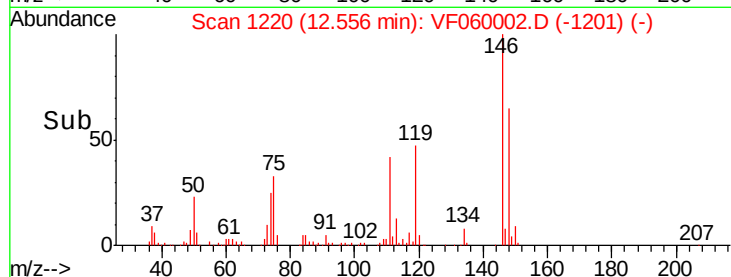
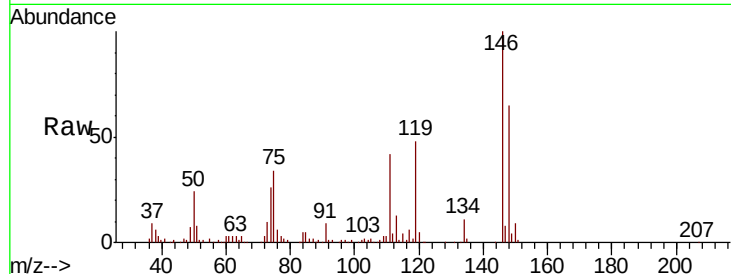
#87
 1,3-Dichlorobenzene
 Concen: 22.35 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.01 min
 Lab File: VF060002.D
 Acq: 20 Aug 2018 15:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0820SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	63.7
148	65.1	31.6	95.0

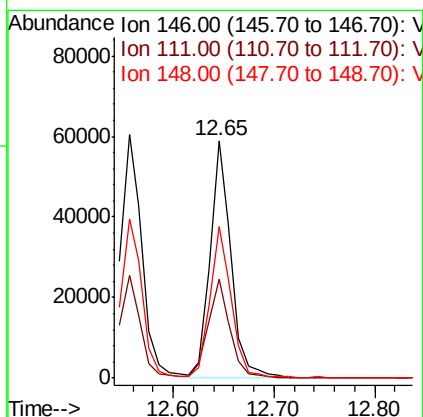
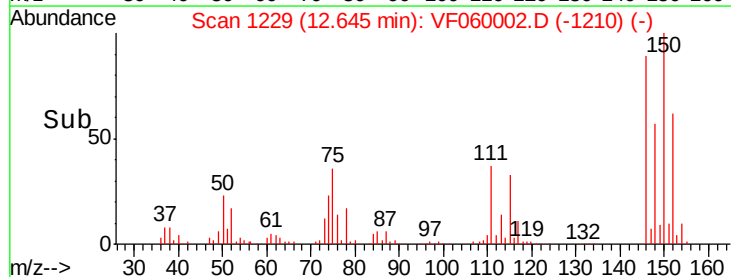
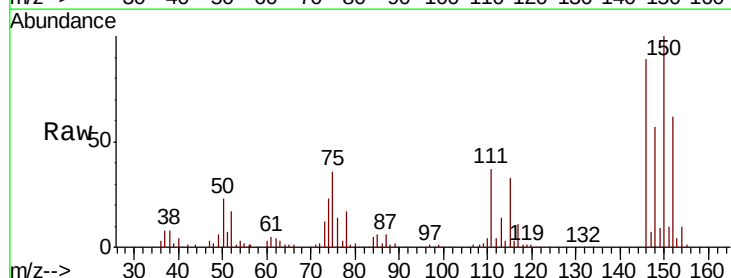
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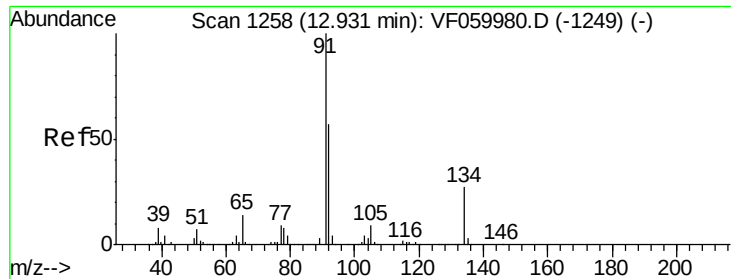
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 21.50 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VF060002.D
 Acq: 20 Aug 2018 15:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.3	61.0
148	63.7	32.6	97.8





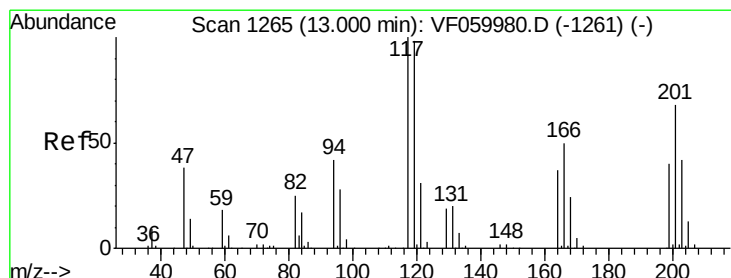
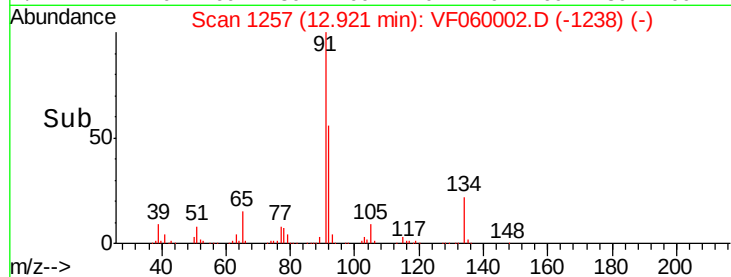
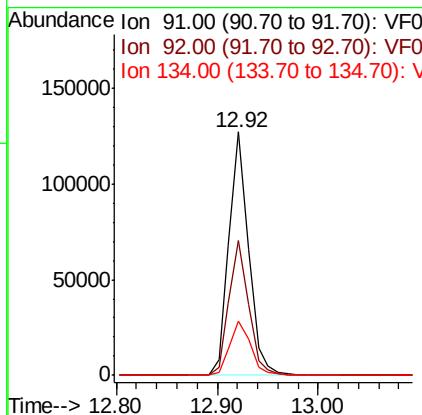
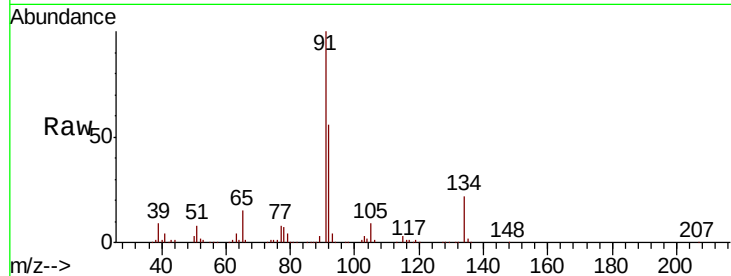
#89
n-Butylbenzene
Concen: 22.52 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. -0.01 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	173145		
92	55.5	28.7	86.3	
134	22.1	13.3	39.9	

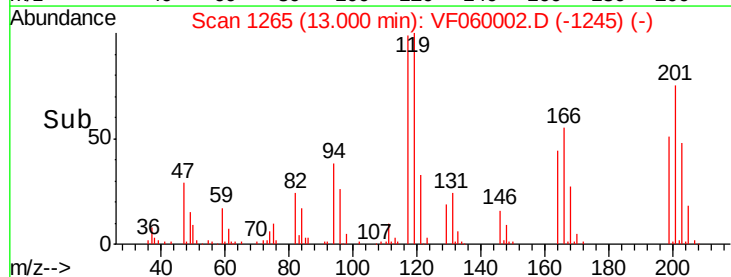
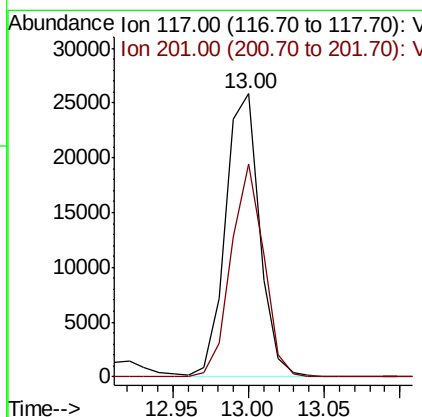
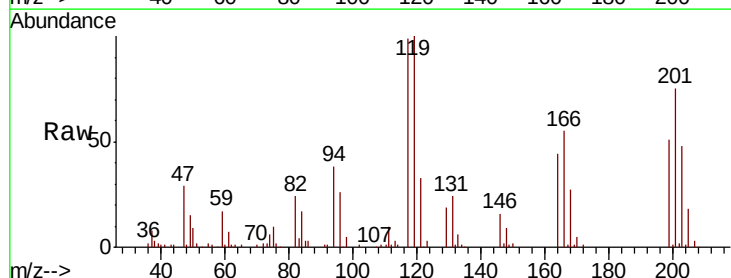
Manual Integrations
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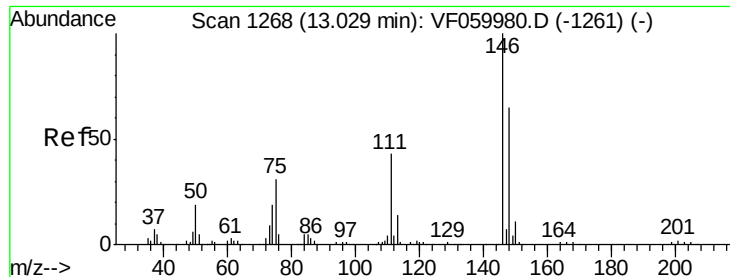
apatel
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#90
Hexachloroethane
Concen: 22.58 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	40458		
201	75.2	34.5	103.5	





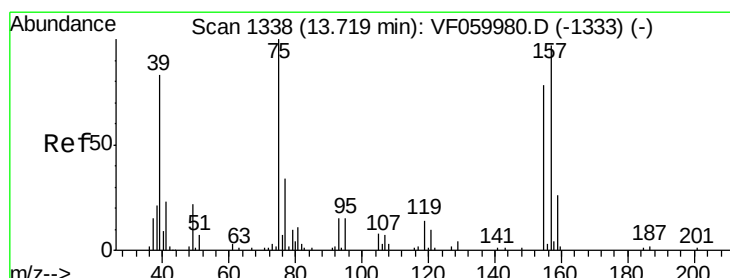
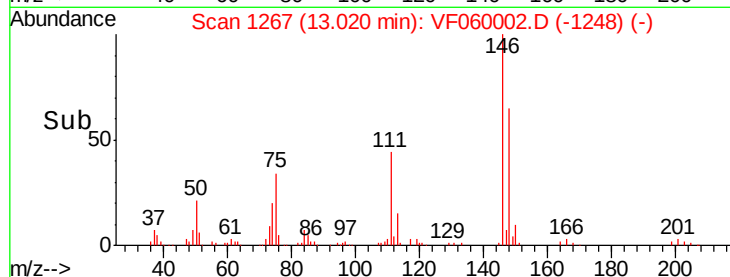
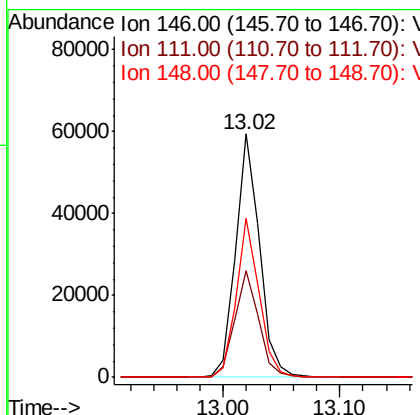
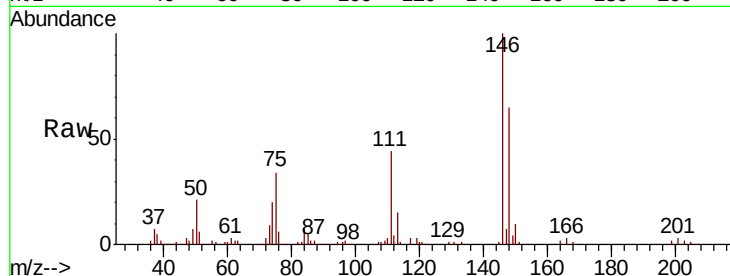
#91
 1,2-Dichlorobenzene
 Concen: 21.71 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VF060002.D
 Acq: 20 Aug 2018 15:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0820SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.4	64.3
148	65.3	32.5	97.4

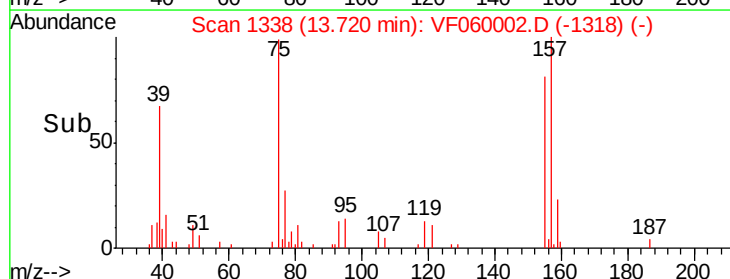
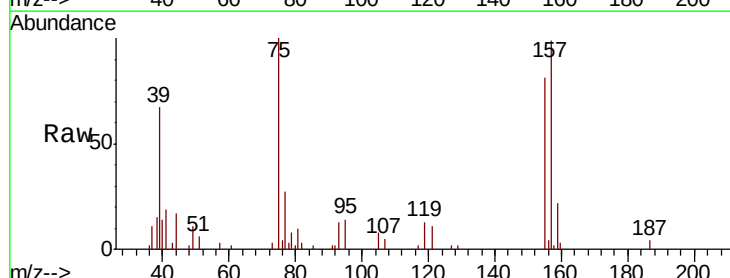
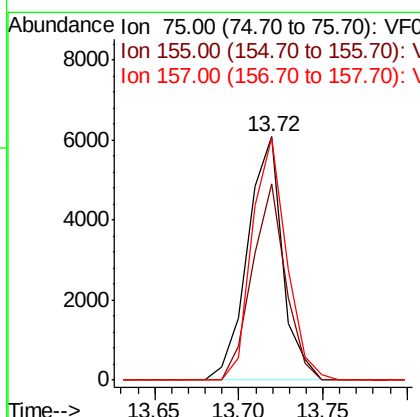
Manual Integrations
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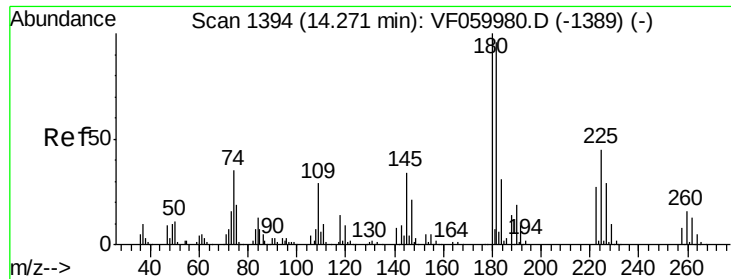
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.96 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.00 min
 Lab File: VF060002.D
 Acq: 20 Aug 2018 15:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.6	38.9	116.7
157	99.4	50.8	152.5





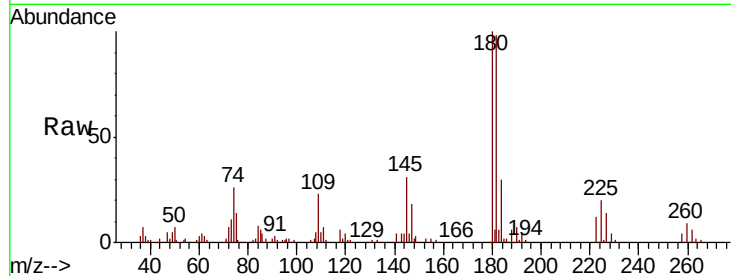
#93
 1,2,4-Trichlorobenzene
 Concen: 21.71 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF060002.D
 Acq: 20 Aug 2018 15:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0820SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	69145		
182	98.3	47.9	143.6	
145	31.3	17.2	51.5	

Manual Integrations
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 8/21/2018 10:01:36 AM

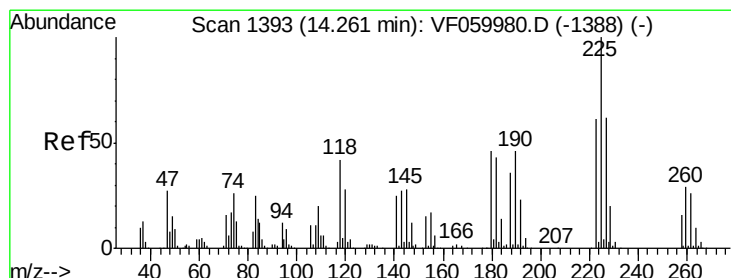
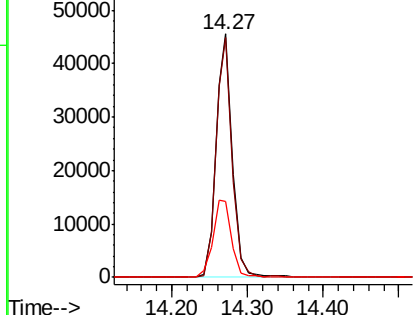
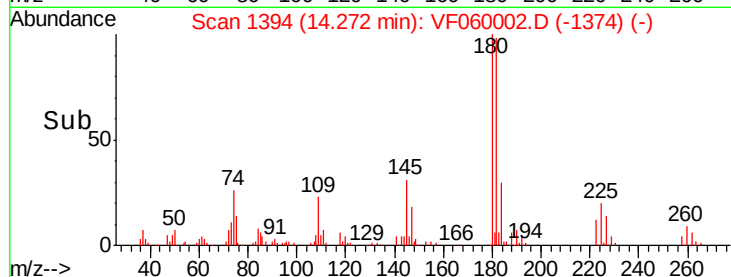


Abundance

Ion 180.00 (179.70 to 180.70): V

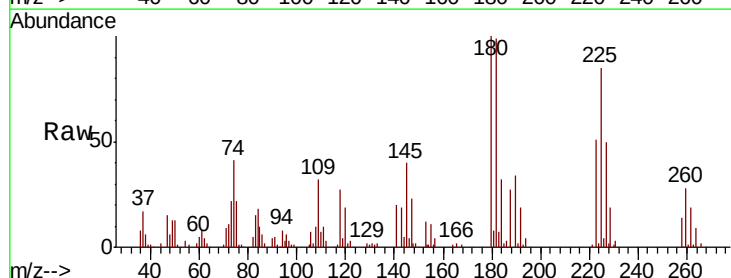
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 21.54 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF060002.D
 Acq: 20 Aug 2018 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	45961		
223	60.3	29.1	87.4	
227	58.5	29.8	89.5	

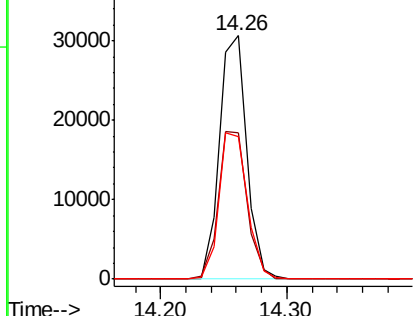
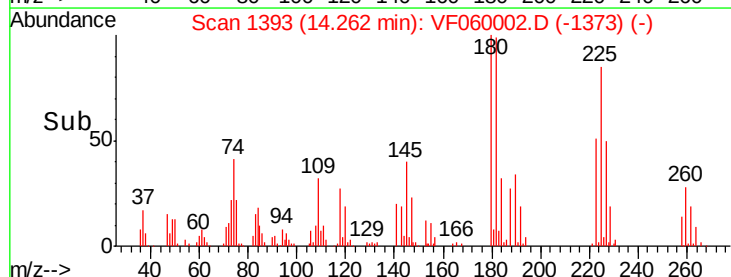


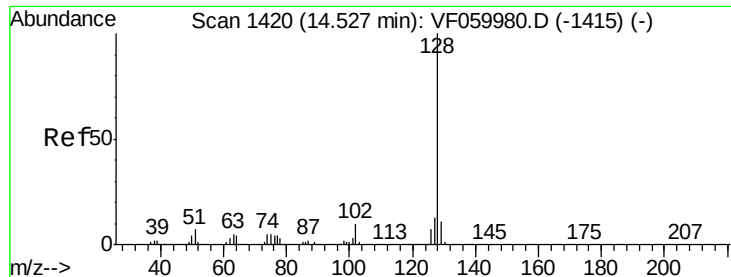
Abundance

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





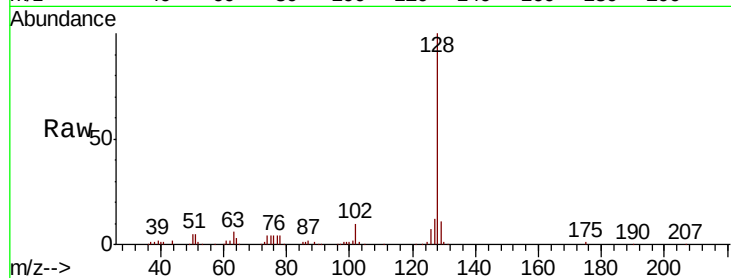
#95
Naphthalene
Concen: 19.13 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.7	10.2	15.2
129	11.5	9.0	13.4

Manual Integrations
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8/21/2018 10:01:36 AM

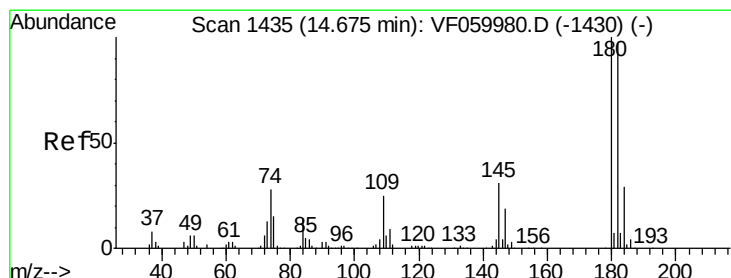
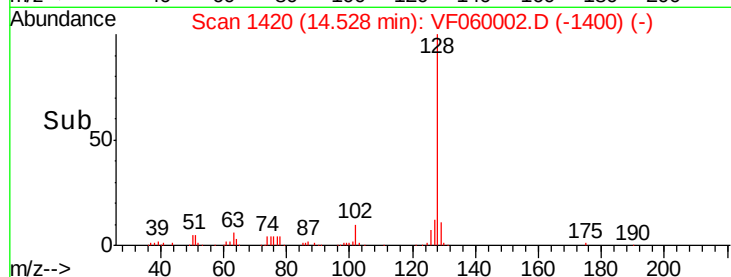
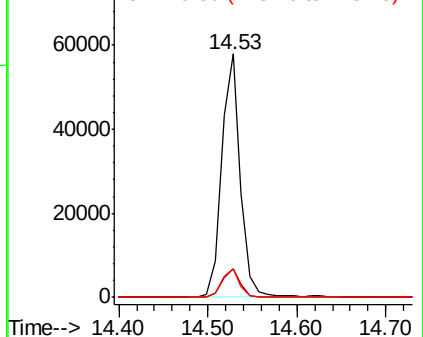


Abundance

Ion 128.00 (127.70 to 128.70): V

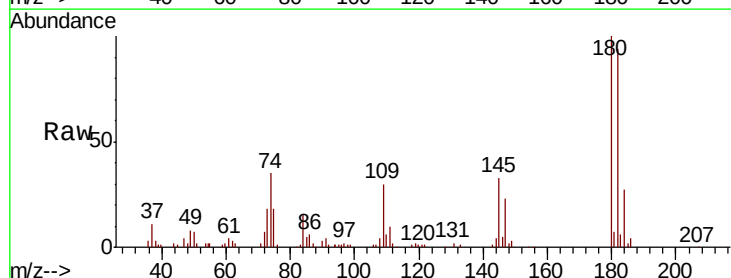
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.51 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. -0.01 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	48.5	145.5
145	32.7	15.7	47.1



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

