

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092618\
 Data File : VF060350.D
 Acq On : 26 Sep 2018 14:29
 Operator : VA/AP
 Sample : VF0926SBSD01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0926SBSD01

Manual Integrations
 APPROVED

apatel
 9/27/2018 9:56:19 AM

Quant Time: Sep 26 17:24:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	247235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	403369	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	354819	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	192470	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	165410	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
35) Dibromofluoromethane	4.29	113	192824	53.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.26%	
50) Toluene-d8	7.71	98	448421	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
62) 4-Bromofluorobenzene	11.50	95	199408	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	110262	26.902	ug/l	98
3) Chloromethane	1.13	50	81027	24.050	ug/l	100
4) Vinyl Chloride	1.17	62	81465	23.726	ug/l	96
5) Bromomethane	1.35	94	55695	25.292	ug/l	99
6) Chloroethane	1.44	64	41249	25.225	ug/l	93
7) Trichlorofluoromethane	1.54	101	166070	25.961	ug/l	99
8) Diethyl Ether	1.70	74	25031	23.519	ug/l	67
9) 1,1,2-Trichlorotrifluoroet	1.90	101	87351	25.676	ug/l	99
10) Methyl Iodide	1.97	142	135741	24.743	ug/l	96
11) Tert butyl alcohol	2.69	59	29448	151.941	ug/l #	90
12) 1,1-Dichloroethene	1.86	96	75805	26.943	ug/l	90
13) Acrolein	2.09	56	9026	109.642	ug/l	82
14) Allyl chloride	2.19	41	112484	22.911	ug/l	96
15) Acrylonitrile	3.07	53	49947	106.229	ug/l	87
16) Acetone	2.33	43	110291	117.638	ug/l	96
17) Carbon Disulfide	1.89	76	213497	27.032	ug/l	94
18) Methyl Acetate	2.45	43	35598	22.792	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	168070	23.962	ug/l	96
20) Methylene Chloride	2.28	84	80105m	28.427	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	76364	26.279	ug/l	98
22) Diisopropyl ether	2.92	45	204326	22.058	ug/l	95
23) Vinyl Acetate	3.33	43	440465	121.067	ug/l	98
24) 1,1-Dichloroethane	3.00	63	134226	22.343	ug/l	100
25) 2-Butanone	4.50	43	140156	111.065	ug/l	96
26) 2,2-Dichloropropane	3.75	77	80536	23.495	ug/l	98
27) cis-1,2-Dichloroethene	3.63	96	91515	23.972	ug/l	85
28) Bromochloromethane	3.88	49	52504	22.448	ug/l	98
29) Tetrahydrofuran	4.25	42	54097	117.062	ug/l	100
30) Chloroform	4.03	83	172757	23.832	ug/l	93
31) Cyclohexane	3.85	56	116640	22.986	ug/l	95
32) 1,1,1-Trichloroethane	4.27	97	140232	24.517	ug/l	91
36) 1,1-Dichloropropene	4.45	75	122999	24.446	ug/l	97
37) Ethyl Acetate	4.28	43	47512	22.317	ug/l	95
38) Carbon Tetrachloride	4.16	117	126575m	23.421	ug/l	

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 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	133537	24.488	ug/l	94
40) Benzene	4.81	78	277146	24.292	ug/l	100
41) Methacrylonitrile	4.92	41	22870	19.797	ug/l	94
42) 1,2-Dichloroethane	5.10	62	98370	23.425	ug/l	100
43) Isopropyl Acetate	7.11	43	59608	23.257	ug/l #	88
44) Trichloroethene	5.67	130	81364	23.963	ug/l	91
45) 1,2-Dichloropropane	6.40	63	63737	21.586	ug/l	98
46) Dibromomethane	6.25	93	48182	22.829	ug/l	97
47) Bromodichloromethane	6.54	83	117843	23.234	ug/l #	92
48) Methyl methacrylate	6.87	41	37681	20.944	ug/l	98
49) 1,4-Dioxane	6.86	88	6570	408.752	ug/l #	81
51) 4-Methyl-2-Pentanone	8.40	43	211623	107.130	ug/l	98
52) Toluene	7.78	92	165883	22.983	ug/l	95
53) t-1,3-Dichloropropene	8.42	75	93810	22.930	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	116711	22.645	ug/l	96
55) 1,1,2-Trichloroethane	8.63	97	48929	22.336	ug/l	91
56) Ethyl methacrylate	8.75	69	61301	23.171	ug/l	90
57) 1,3-Dichloropropane	9.00	76	86896	23.957	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.77	63	26128	111.715	ug/l	100
59) 2-Hexanone	9.63	43	160056	113.798	ug/l	99
60) Dibromochloromethane	8.86	129	75902	23.248	ug/l	86
61) 1,2-Dibromoethane	9.13	107	55448	22.731	ug/l	98
64) Tetrachloroethene	8.30	164	68106	21.174	ug/l	99
65) Chlorobenzene	9.93	112	183893	22.867	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	80694	24.179	ug/l	96
67) Ethyl Benzene	10.03	91	355394	23.902	ug/l	97
68) m/p-Xylenes	10.26	106	252321	49.118	ug/l	99
69) o-Xylene	10.82	106	135573	23.530	ug/l	90
70) Styrene	10.90	104	190874	23.490	ug/l	95
71) Bromoform	10.88	173	41223	22.491	ug/l	94
73) Isopropylbenzene	11.23	105	401758	23.252	ug/l	100
74) N-amyl acetate	11.46	43	95237	25.848	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	68027	22.215	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	48670	22.198	ug/l	89
77) Bromobenzene	11.59	156	84581	22.714	ug/l	96
78) n-propylbenzene	11.68	91	460361	22.433	ug/l	96
79) 2-Chlorotoluene	11.81	91	262516	22.523	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	328542	23.621	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.96	75	23854m	20.587	ug/l	
82) 4-Chlorotoluene	11.99	91	267072	22.798	ug/l	99
83) tert-Butylbenzene	12.21	119	326845	23.182	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	325456	23.044	ug/l	96
85) sec-Butylbenzene	12.39	105	431452	21.519	ug/l	99
86) p-Isopropyltoluene	12.54	119	369464	24.054	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	159188	22.877	ug/l	99
88) 1,4-Dichlorobenzene	12.65	146	150283	21.851	ug/l	99
89) n-Butylbenzene	12.92	91	379453	22.414	ug/l	94
90) Hexachloroethane	12.99	117	90011	22.814	ug/l	97
91) 1,2-Dichlorobenzene	13.02	146	152132	22.919	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	11742	20.424	ug/l	98

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ALS Vial : 34 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VF0926SBSD01

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QLast Update : Thu Sep 20 02:58:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	110852	22.976	ug/l	96
94) Hexachlorobutadiene	14.25	225	72874	22.344	ug/l	96
95) Naphthalene	14.52	128	209558	24.774	ug/l	97
96) 1,2,3-Trichlorobenzene	14.67	180	104596	23.462	ug/l	98

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

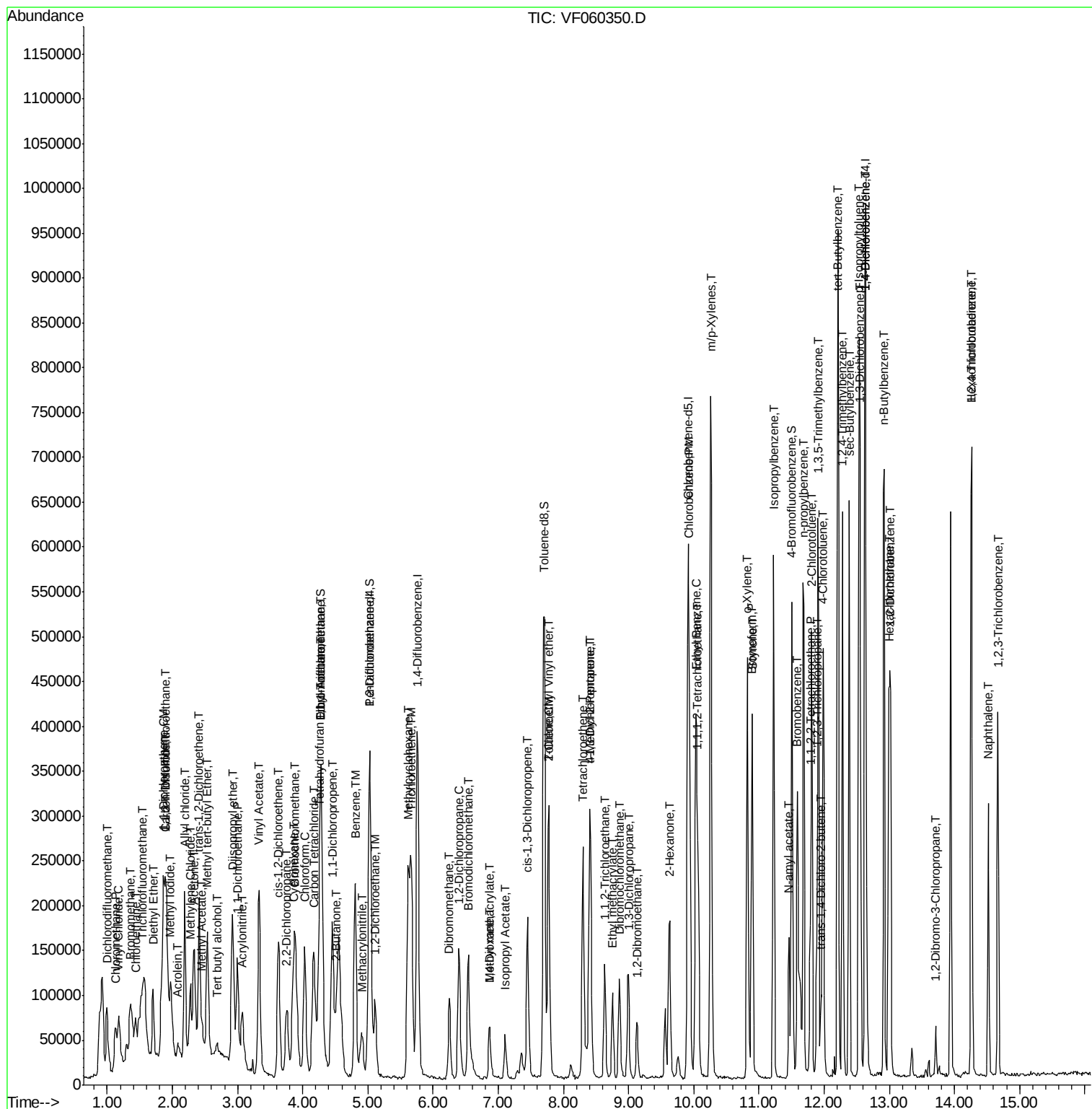
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF092618\
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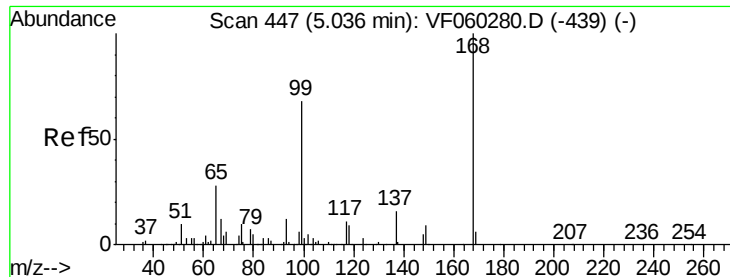
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0926SBSD01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 447

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBSD01

Tot Ion:168 Resp: 247235

Ion Ratio Lower Upper

168 100

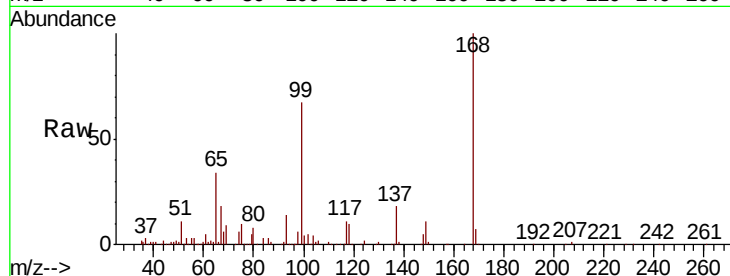
99 67.2 54.8 82.2

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

80000

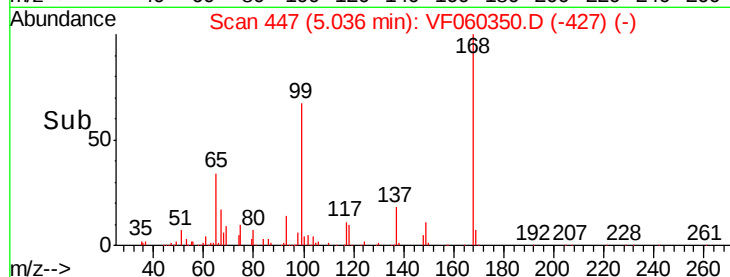
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40000

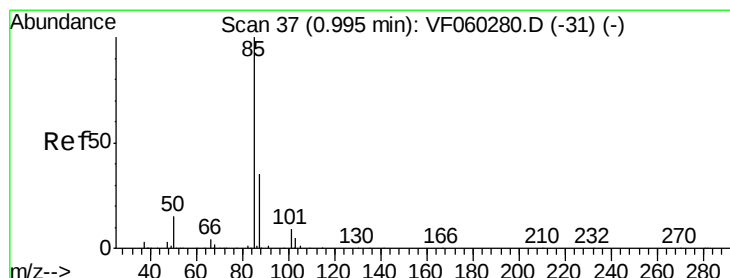
20000

0

Time-->



Time-->



#2

Dichlorodifluoromethane

Concen: 26.902 ug/l

RT: 0.99 min Scan# 37

Delta R.T. 0.00 min

Lab File: VF060350.D

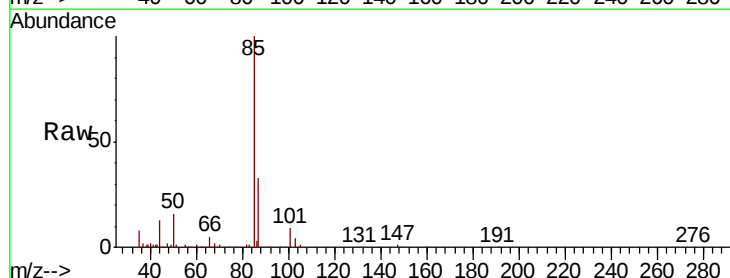
Acq: 26 Sep 2018 14:29

Tgt Ion: 85 Resp: 110262

Ion Ratio Lower Upper

85 100

87 33.5 17.3 52.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

40000

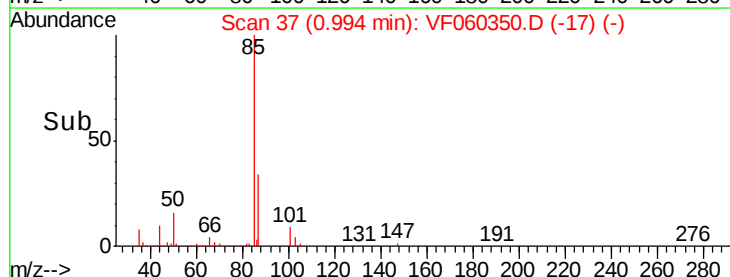
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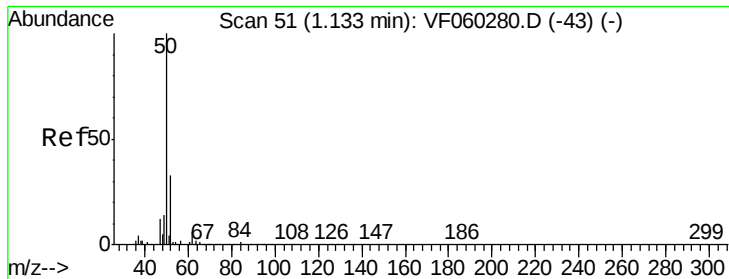
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10000

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Time-->





#3

Chloromethane

Concen: 24.050 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBSD01

Tot Ion: 50 Resp: 81027

Ion Ratio Lower Upper

50 100

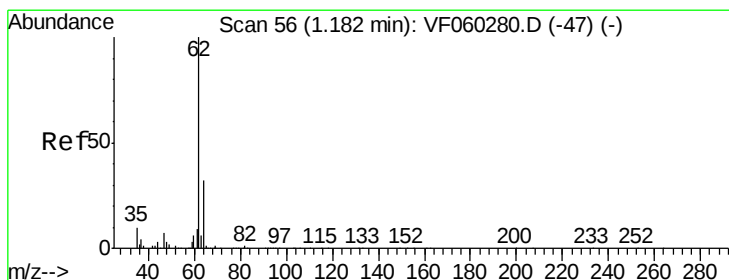
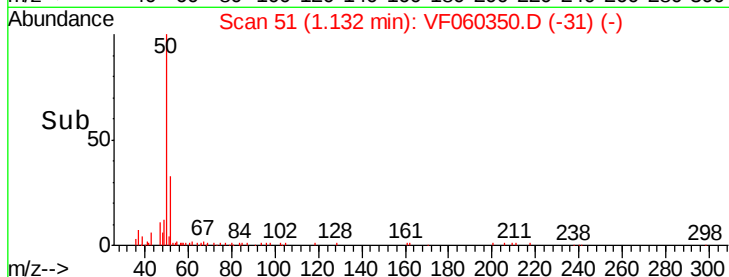
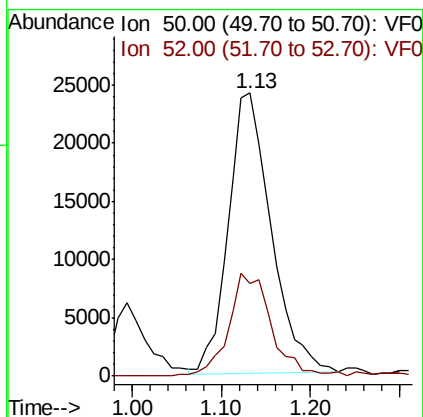
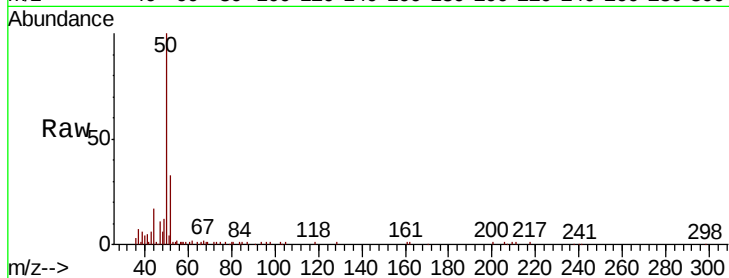
52 33.0 26.5 39.7

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#4

Vinyl Chloride

Concen: 23.726 ug/l

RT: 1.17 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060350.D

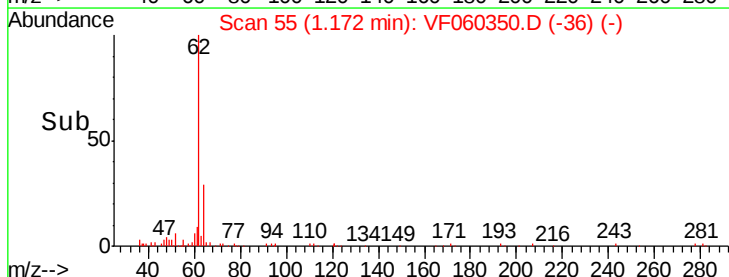
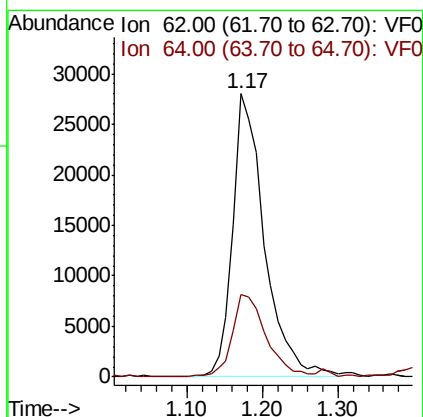
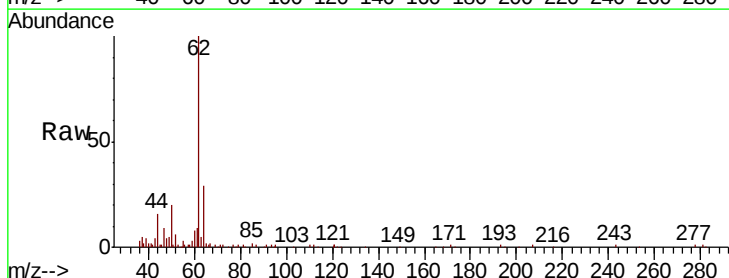
Acq: 26 Sep 2018 14:29

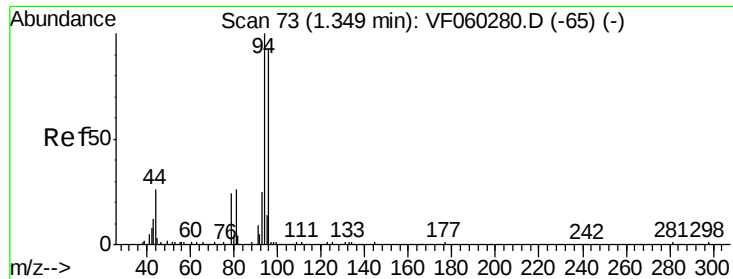
Tgt Ion: 62 Resp: 81465

Ion Ratio Lower Upper

62 100

64 29.2 25.2 37.8





#5

Bromomethane

Concen: 25.292 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

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Tot Ion: 94 Resp: 55695

Ion Ratio Lower Upper

94 100

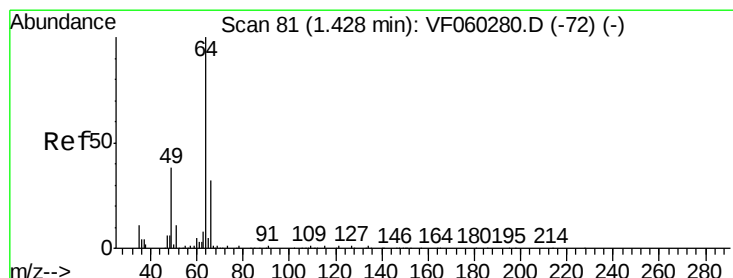
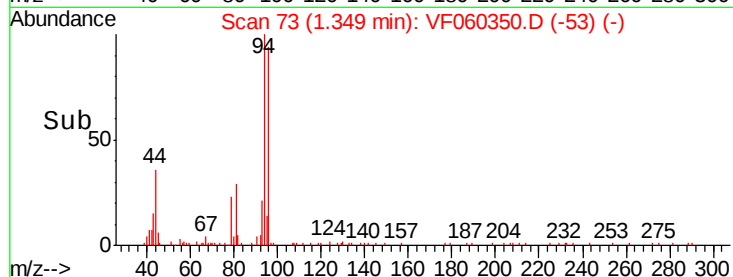
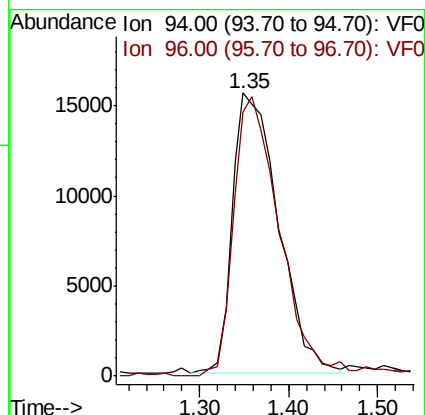
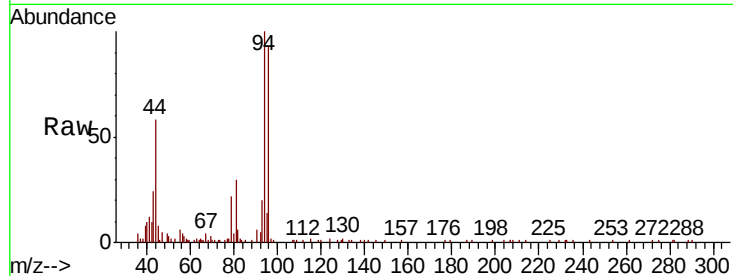
96 93.4 73.9 110.9

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#6

Chloroethane

Concen: 25.225 ug/l

RT: 1.44 min Scan# 82

Delta R.T. 0.01 min

Lab File: VF060350.D

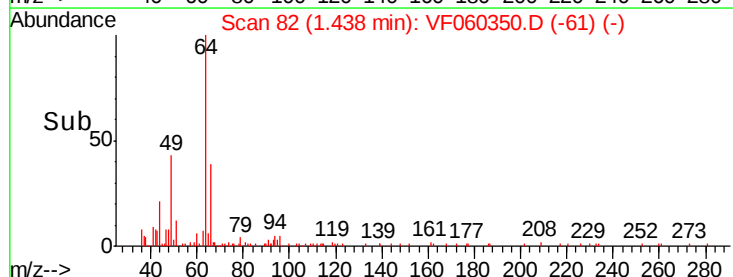
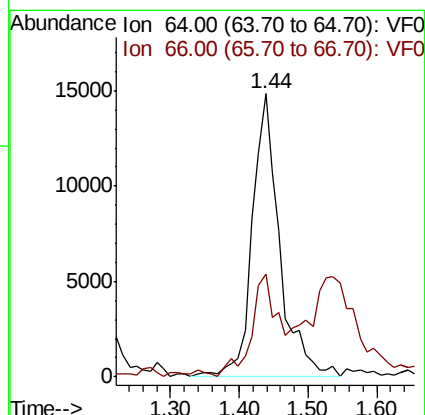
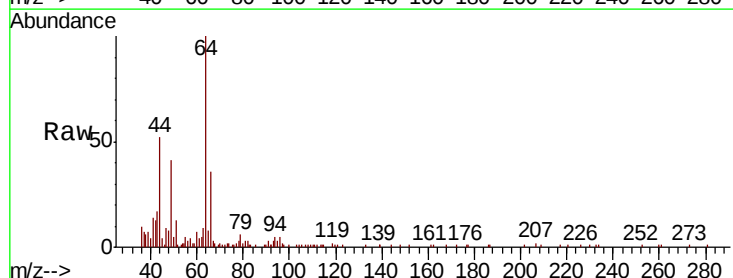
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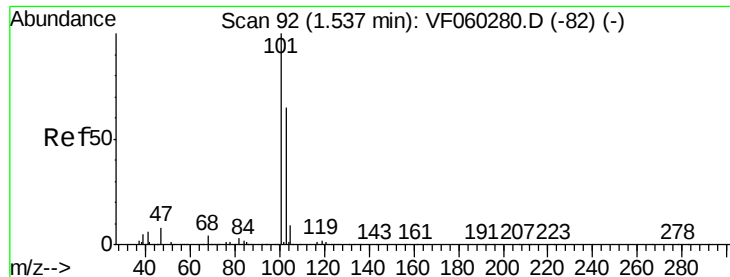
Tgt Ion: 64 Resp: 41249

Ion Ratio Lower Upper

64 100

66 36.4 26.2 39.2





#7

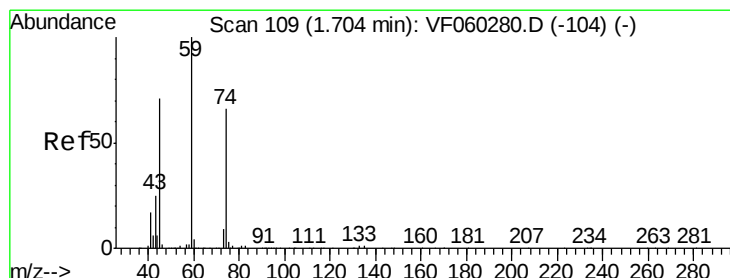
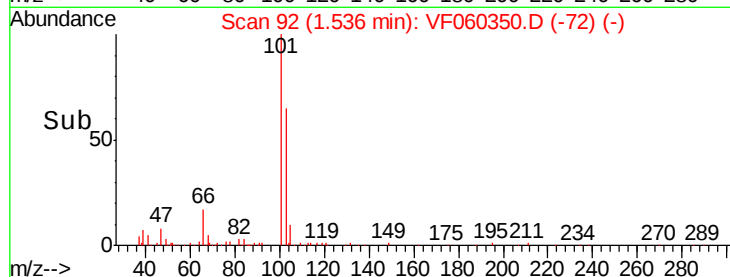
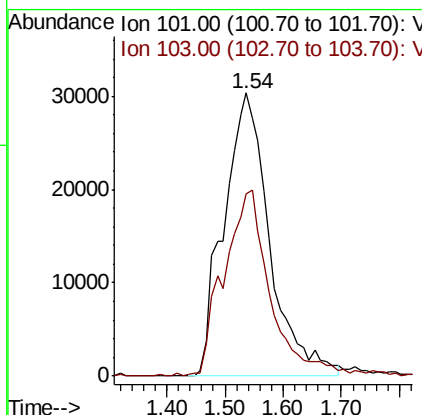
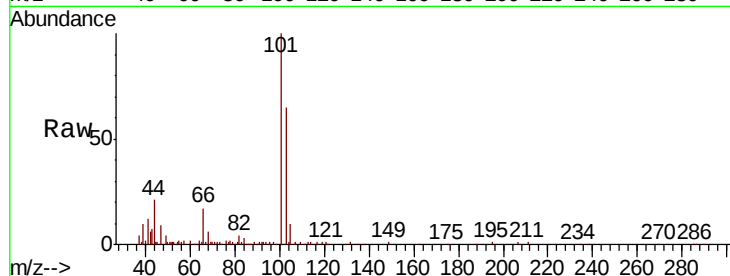
Trichlorofluoromethane
Concen: 25.961 ug/l
RT: 1.54 min Scan# 92
Delta R.T. -0.00 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Instrument :
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ClientSampleId :
VF0926SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	52.0	78.0

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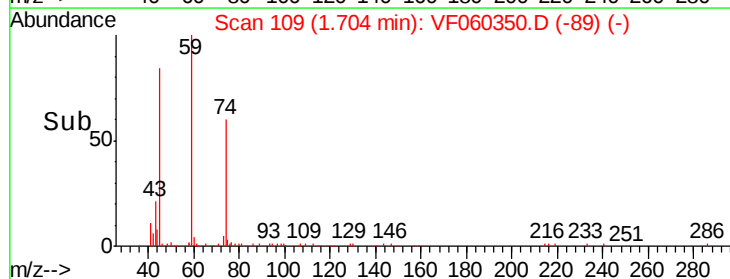
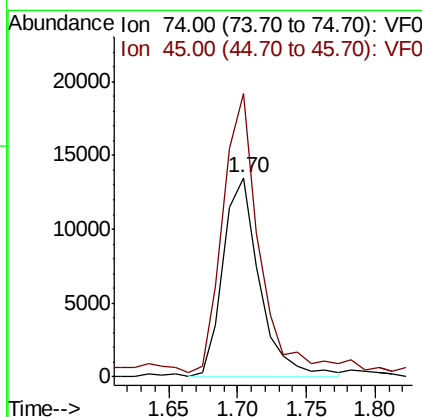
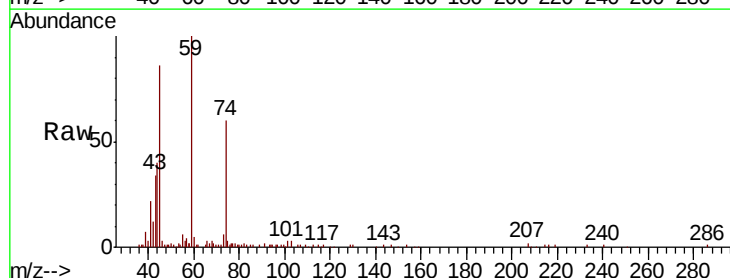
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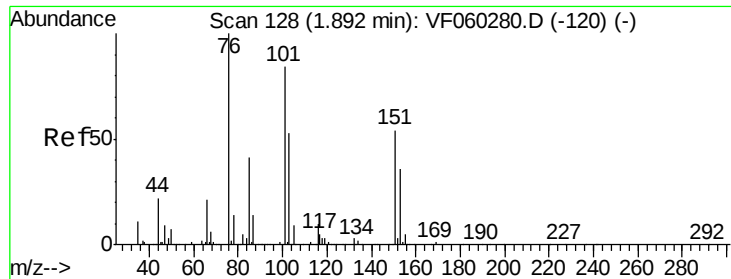


#8

Diethyl Ether
Concen: 23.519 ug/l
RT: 1.70 min Scan# 109
Delta R.T. -0.00 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	142.1	53.9	161.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 25.676 ug/l

RT: 1.90 min Scan# 129

Delta R.T. 0.01 min

Lab File: VF060350.D

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Instrument :

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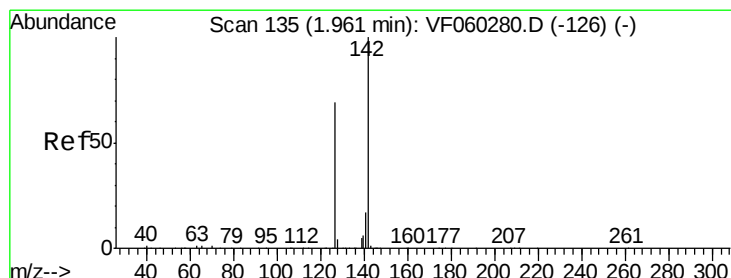
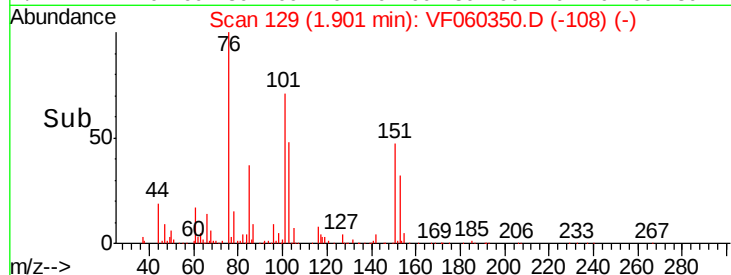
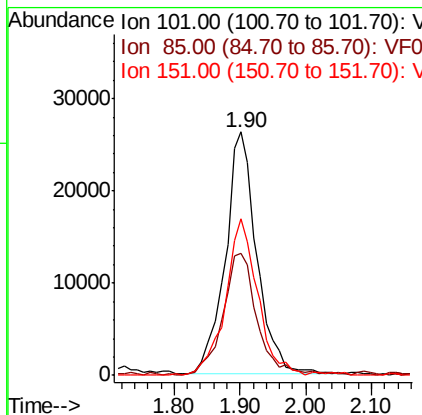
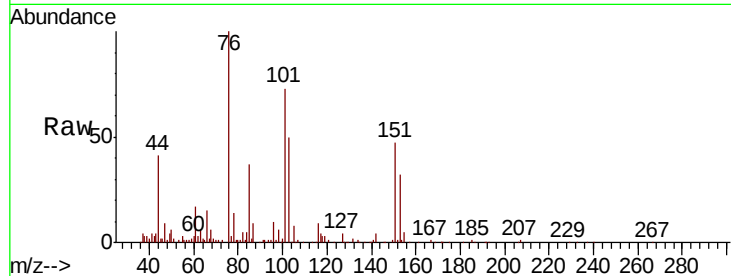
ClientSampleId :

VF0926SBSD01

Tot Ion:	101	Resp:	87351
Ion Ratio	Lower	Upper	
101	100		
85	49.9	38.7	58.1
151	64.2	50.8	76.2

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#10

Methyl Iodide

Concen: 24.743 ug/l

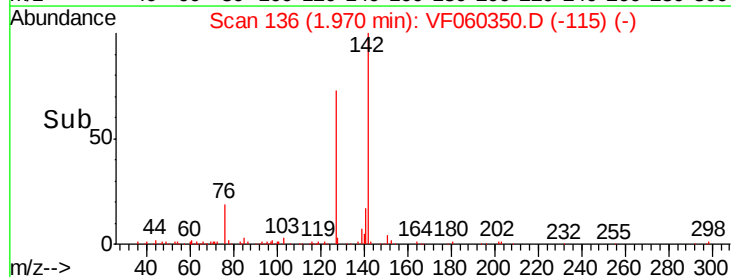
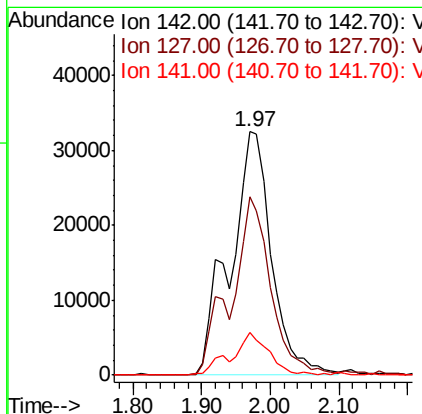
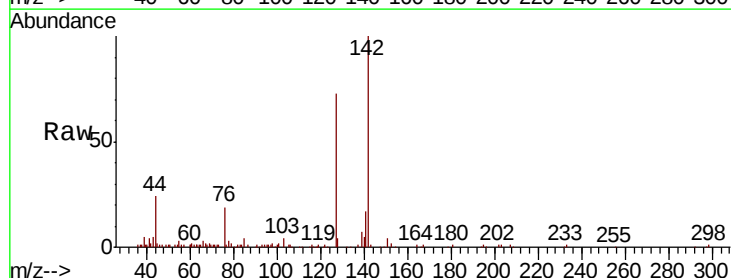
RT: 1.97 min Scan# 136

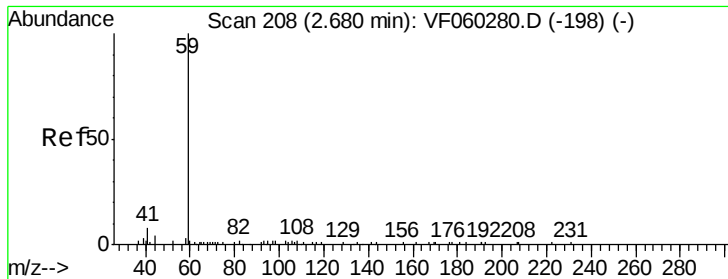
Delta R.T. 0.01 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Tgt Ion:	142	Resp:	135741
Ion Ratio	Lower	Upper	
142	100		
127	73.0	55.4	83.0
141	17.3	13.3	19.9





#11

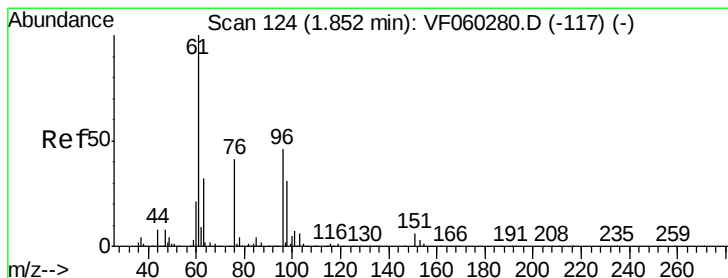
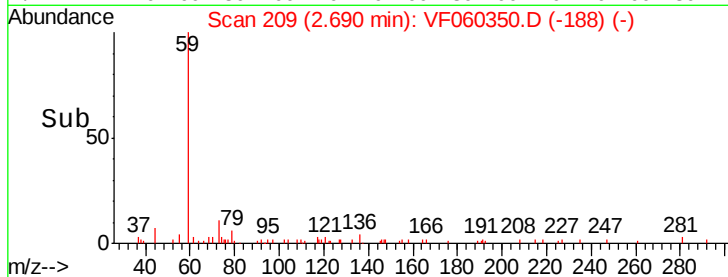
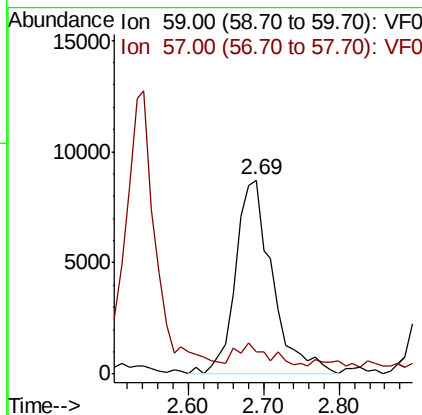
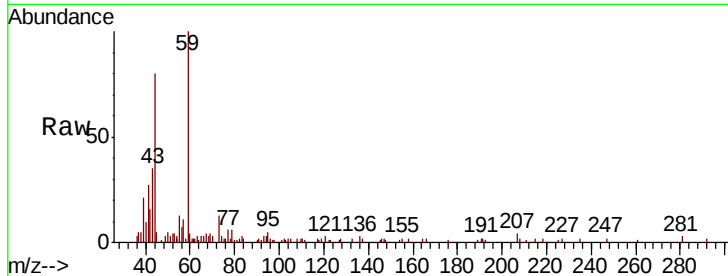
Tert butyl alcohol
Concen: 151.941 ug/l
RT: 2.69 min Scan# 209
Delta R.T. 0.01 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Instrument :
MSVOA_F
ClientSampleId :
VF0926SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.4	12.4	18.6#

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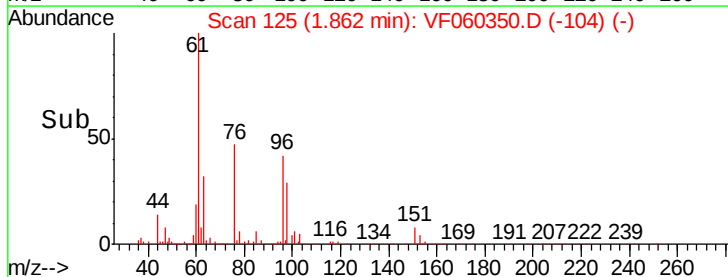
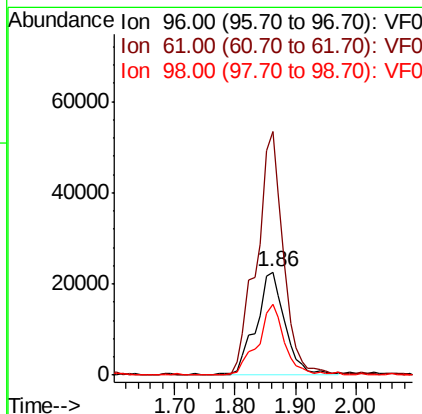
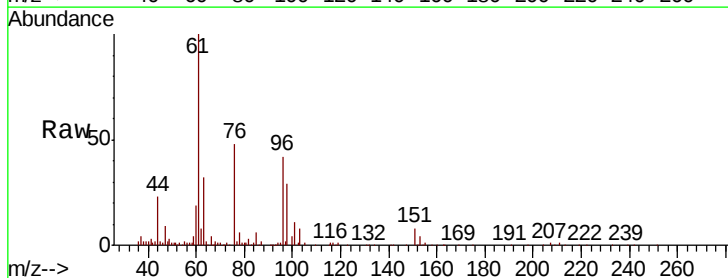
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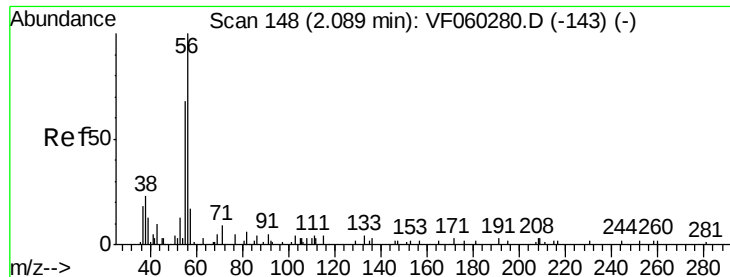


#12

1,1-Dichloroethene
Concen: 26.943 ug/l
RT: 1.86 min Scan# 125
Delta R.T. 0.01 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	235.6	172.2	258.2
98	68.6	54.1	81.1





#13

Acrolein

Concen: 109.642 ug/l

RT: 2.09 min Scan# 148

Delta R.T. 0.00 min

Lab File: VF060350.D

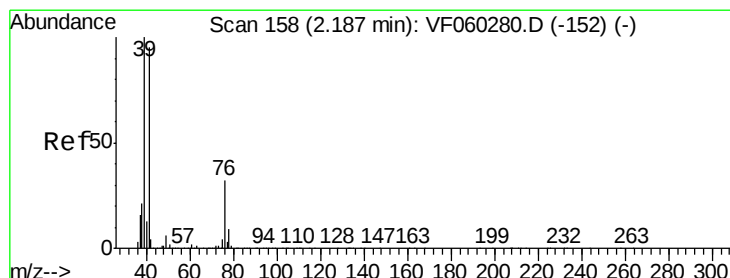
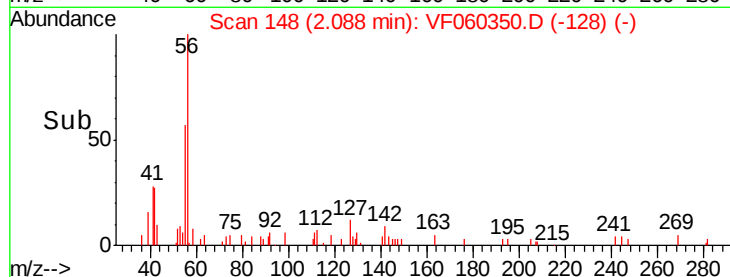
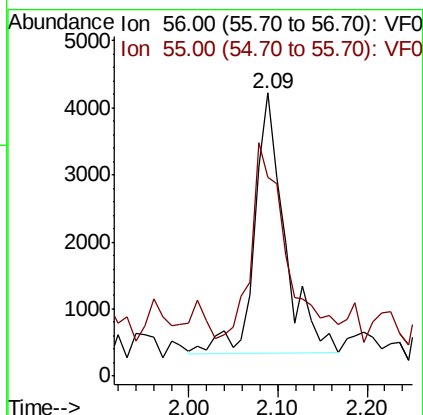
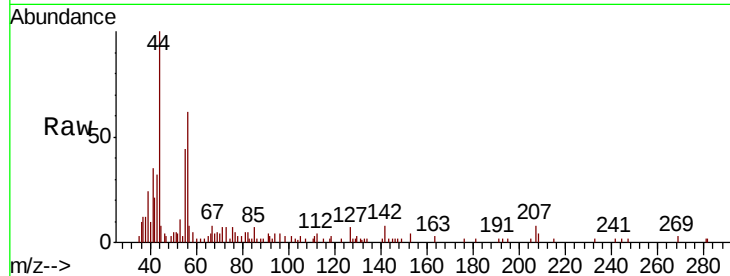
Acq: 26 Sep 2018 14:29

Tot Ion:	56	Resp:	9026
Ion Ratio	Lower	Upper	
56	100		
55	70.5	69.9	104.9

Instrument :
MSVOA_F
ClientSampleId :
VF0926SBSD01

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#14

Allyl chloride

Concen: 22.911 ug/l

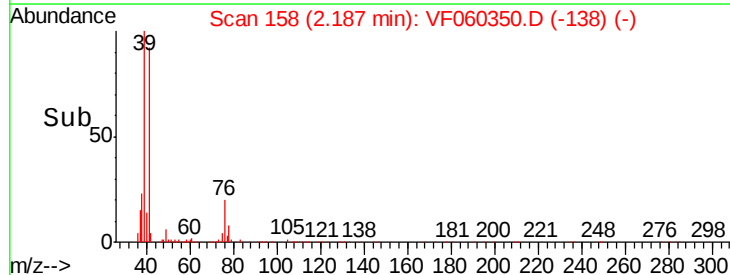
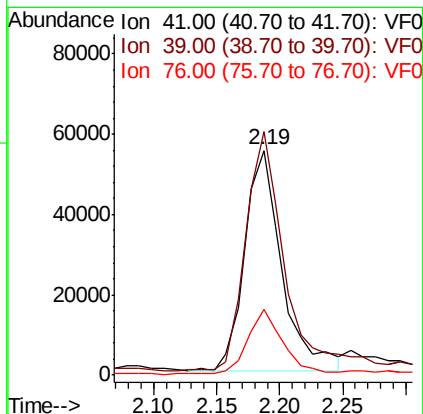
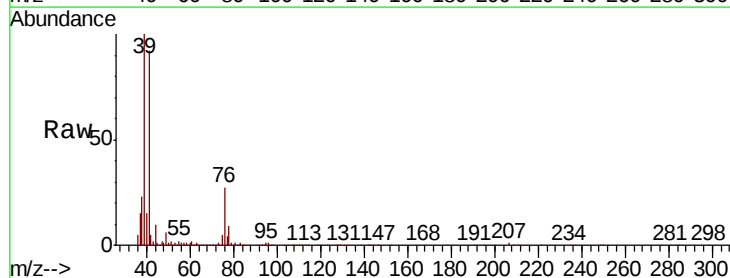
RT: 2.19 min Scan# 158

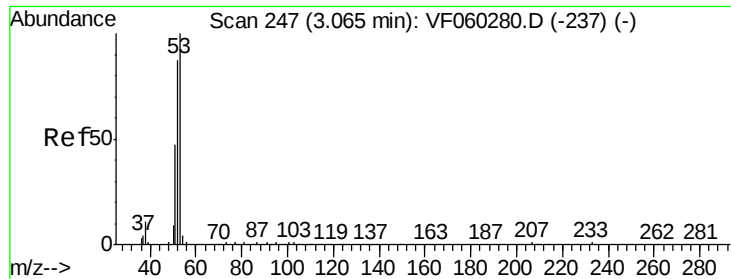
Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Tgt Ion:	41	Resp:	112484
Ion Ratio	Lower	Upper	
41	100		
39	108.2	84.8	127.2
76	29.0	27.4	41.2





#15

Acrylonitrile

Concen: 106.229 ug/l

RT: 3.07 min Scan# 248

Delta R.T. 0.01 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

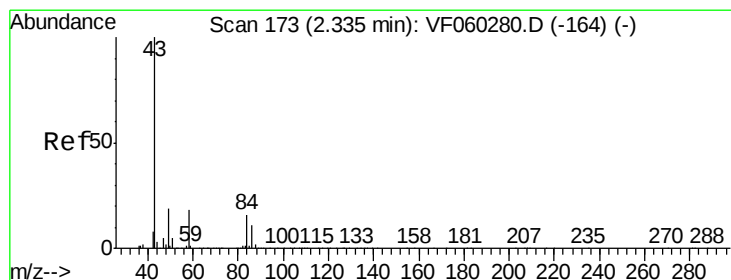
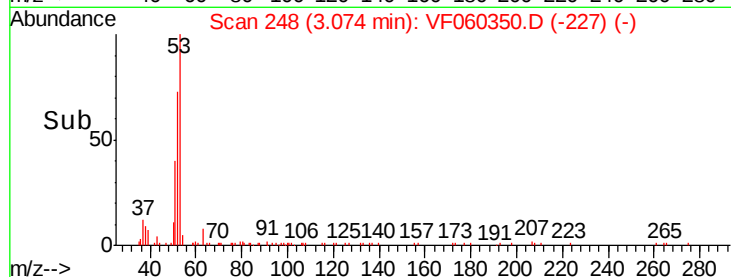
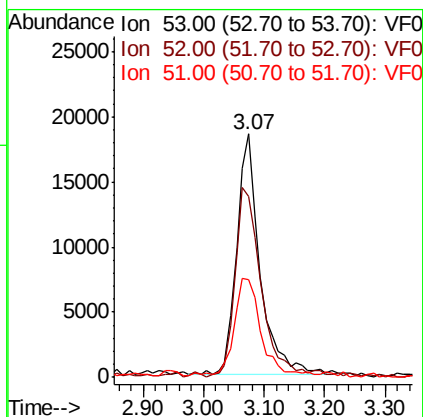
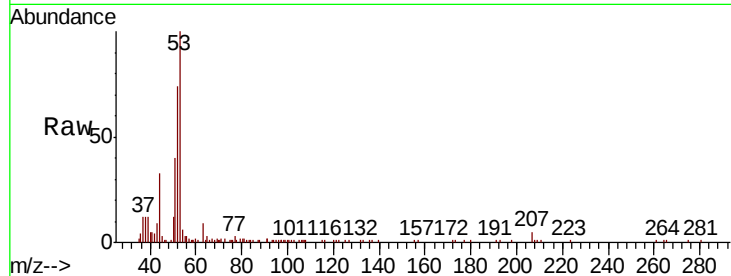
ClientSampleId :

VF0926SBS01

Tot Ion:	53	Resp:	49947
Ion	Ratio	Lower	Upper
53	100		
52	74.1	69.5	104.3
51	39.9	38.1	57.1

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#16

Acetone

Concen: 117.638 ug/l

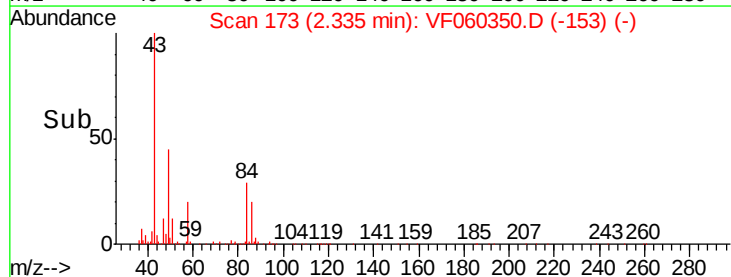
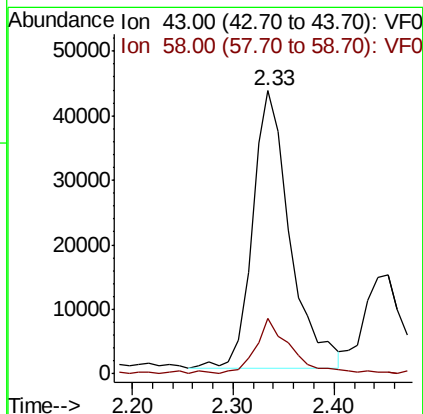
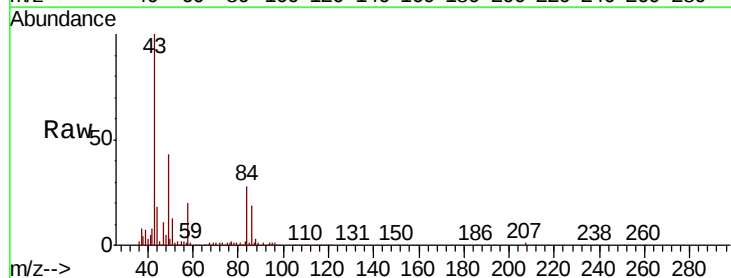
RT: 2.33 min Scan# 173

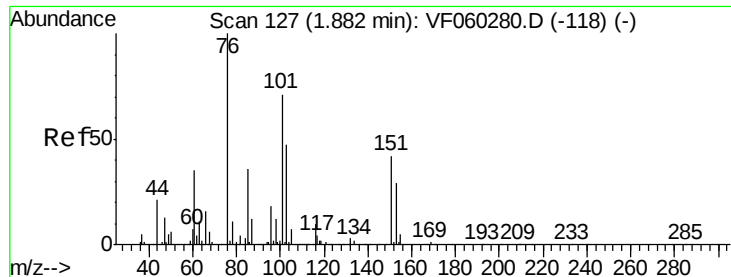
Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Tgt Ion:	43	Resp:	110291
Ion	Ratio	Lower	Upper
43	100		
58	19.7	14.5	21.7





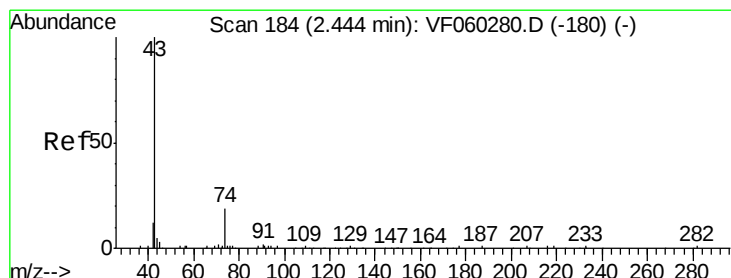
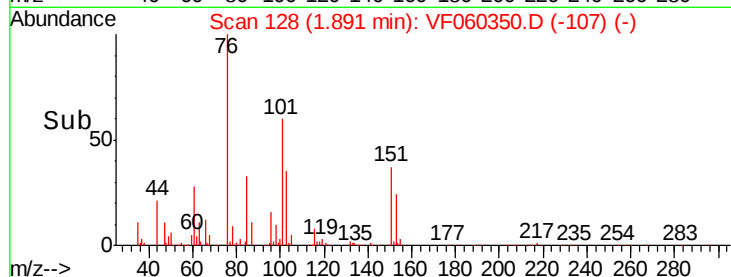
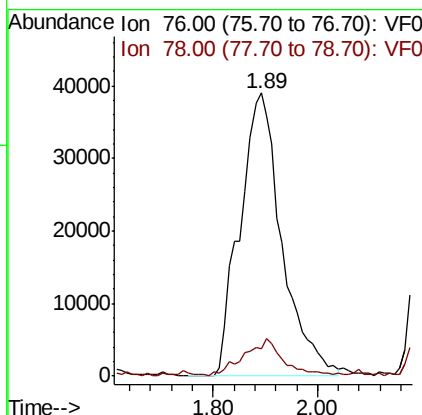
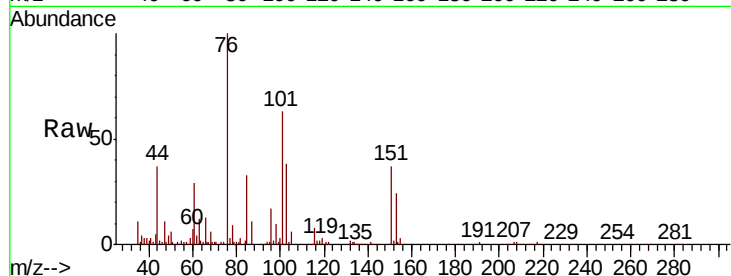
#17
Carbon Disulfide
Concen: 27.032 ug/l
RT: 1.89 min Scan# 128
Delta R.T. 0.01 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Instrument :
MSVOA_F
ClientSampleId :
VF0926SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	9.4	14.0

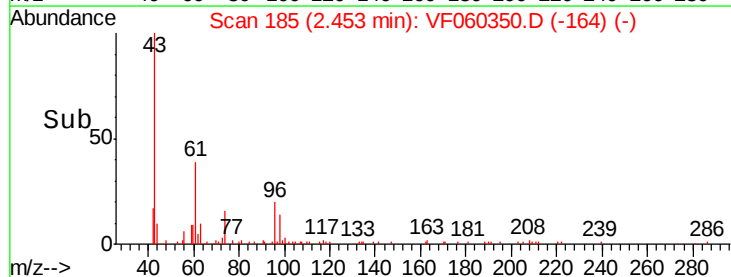
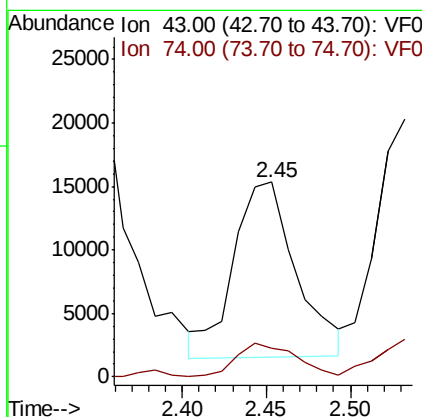
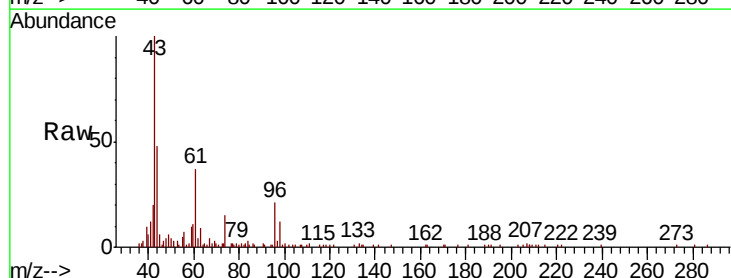
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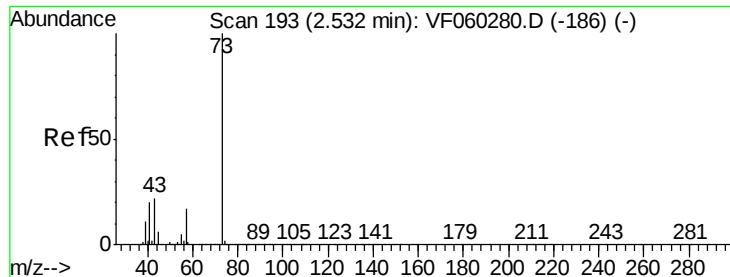
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#18
Methyl Acetate
Concen: 22.792 ug/l
RT: 2.45 min Scan# 185
Delta R.T. 0.01 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.0	12.7	19.1





#19

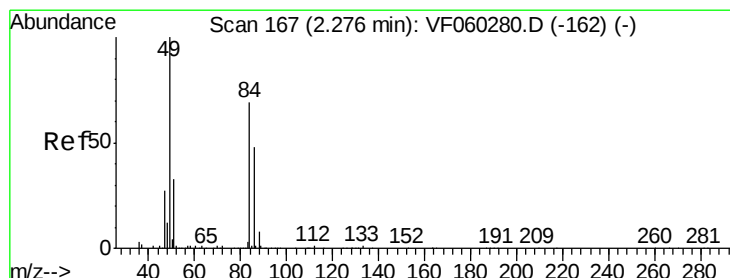
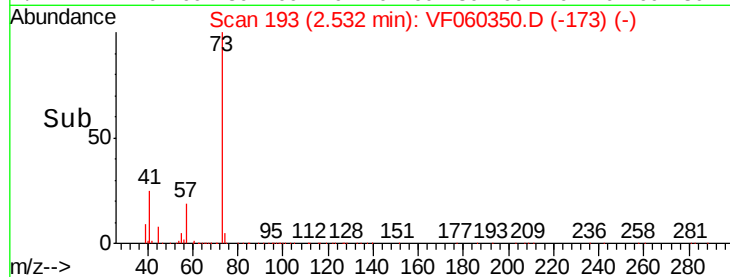
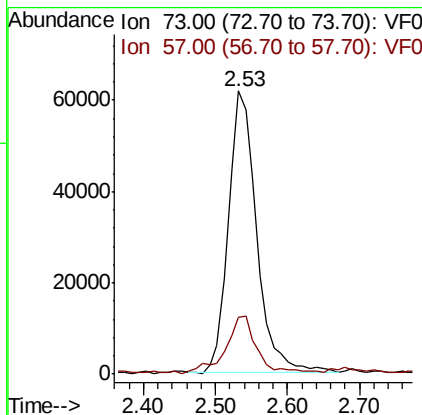
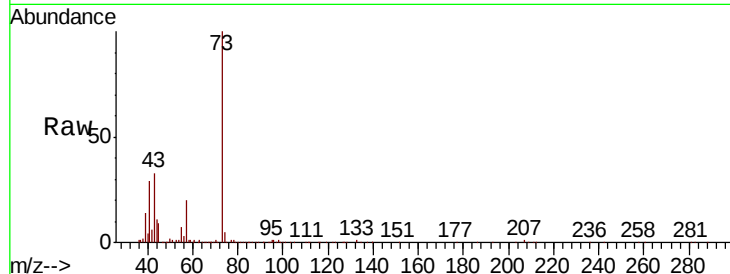
Methyl tert-butyl Ether
 Concen: 23.962 ug/l
 RT: 2.53 min Scan# 193
 Delta R.T. -0.00 min
 Lab File: VF060350.D
 Acq: 26 Sep 2018 14:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0926SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.0	14.5	21.7

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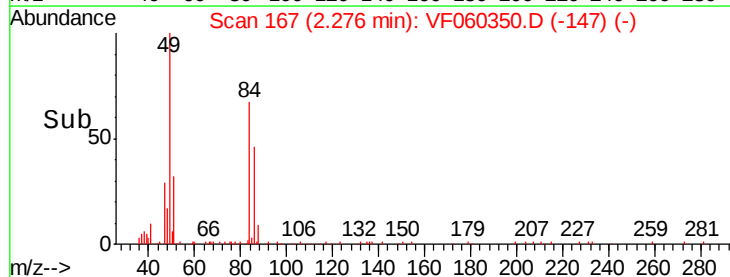
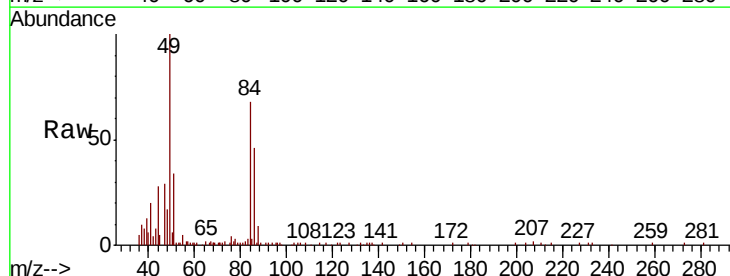
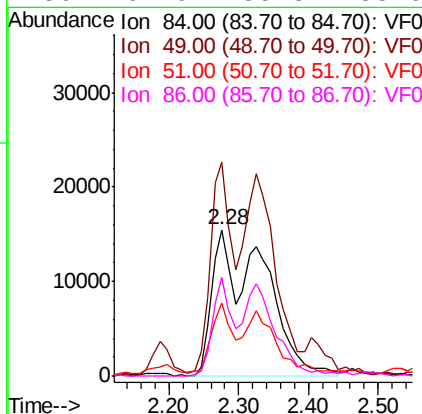
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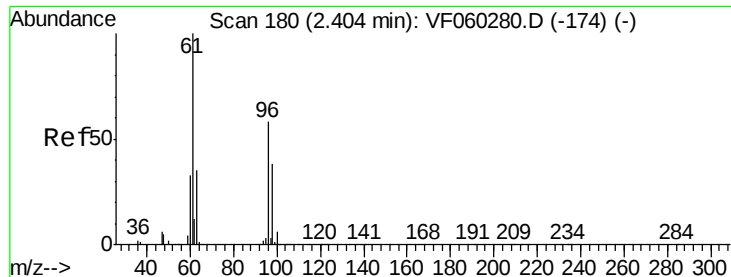


#20

Methylene Chloride
 Concen: 28.427 ug/l m
 RT: 2.28 min Scan# 167
 Delta R.T. -0.00 min
 Lab File: VF060350.D
 Acq: 26 Sep 2018 14:29

Tgt Ion	Ratio	Lower	Upper
84	100		
49	146.1	118.3	177.5
51	49.7	38.7	58.1
86	67.9	55.8	83.6





#21

trans-1,2-Dichloroethene

Concen: 26.279 ug/l

RT: 2.40 min Scan# 180

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

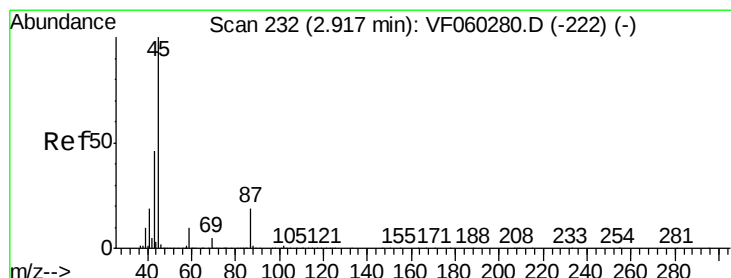
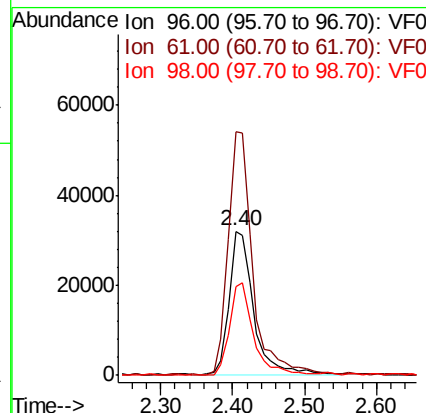
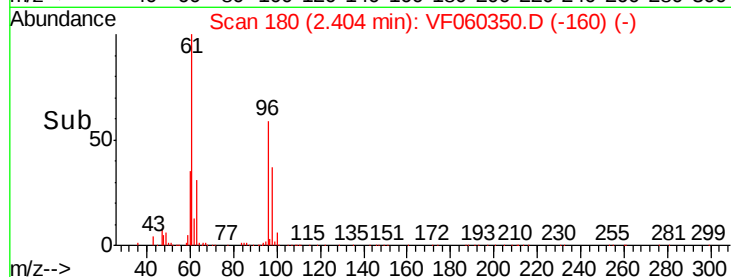
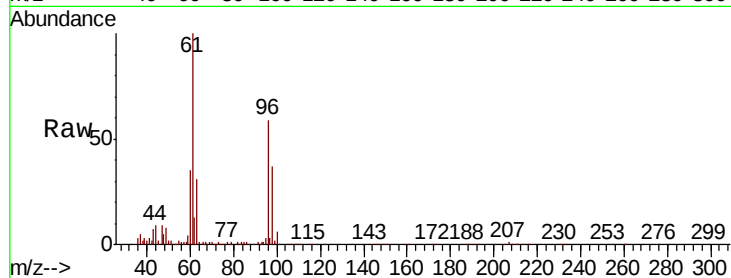
ClientSampleId :

VF0926SBSD01

Tot Ion:	96	Resp:	76364
Ion	Ratio	Lower	Upper
96	100		
61	169.1	136.4	204.6
98	61.9	51.8	77.6

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#22

Diisopropyl ether

Concen: 22.058 ug/l

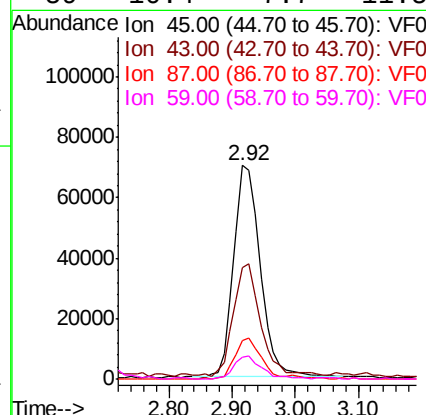
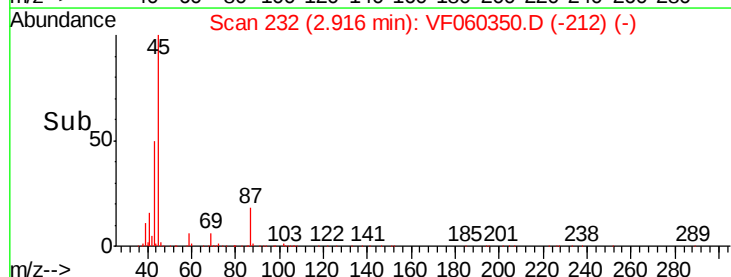
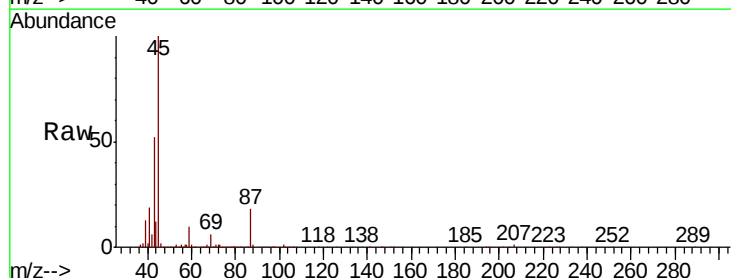
RT: 2.92 min Scan# 232

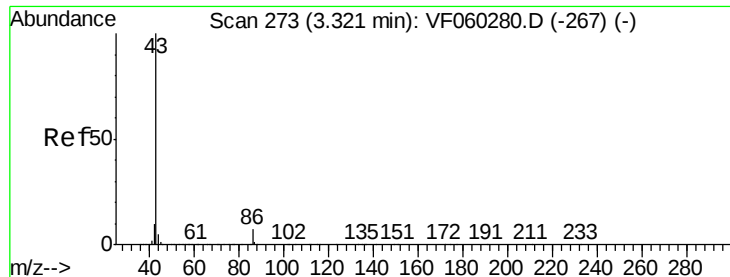
Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Tgt Ion:	45	Resp:	204326
Ion	Ratio	Lower	Upper
45	100		
43	52.2	38.2	57.2
87	18.3	15.5	23.3
59	10.4	7.7	11.5





#23

Vinyl Acetate

Concen: 121.067 ug/l

RT: 3.33 min Scan# 274

Delta R.T. 0.01 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

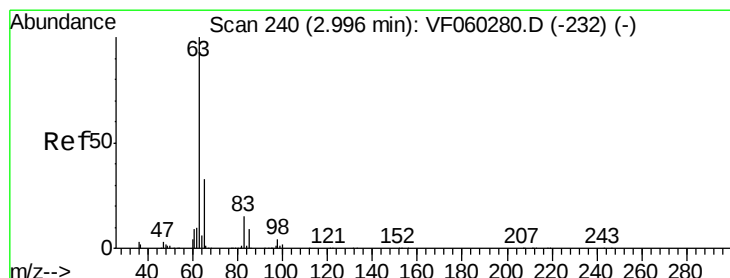
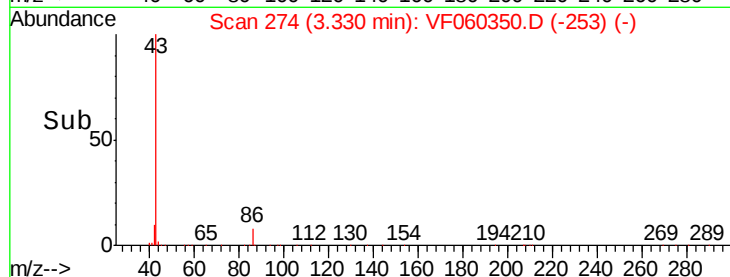
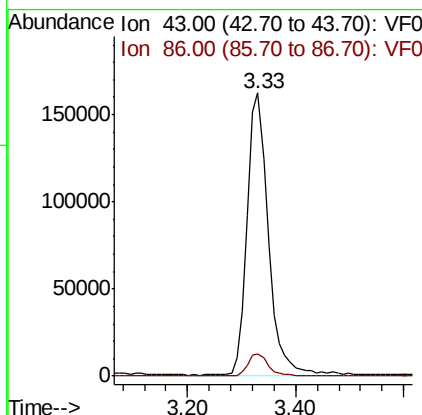
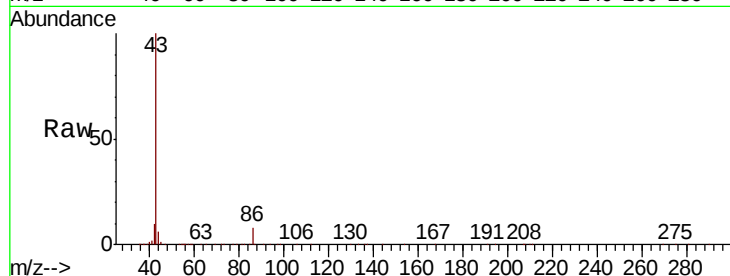
ClientSampleId :

VF0926SBSD01

Tot Ion:	43	Resp:	440465
Ion Ratio		Lower	Upper
43	100		
86	8.1	5.9	8.9

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#24

1,1-Dichloroethane

Concen: 22.343 ug/l

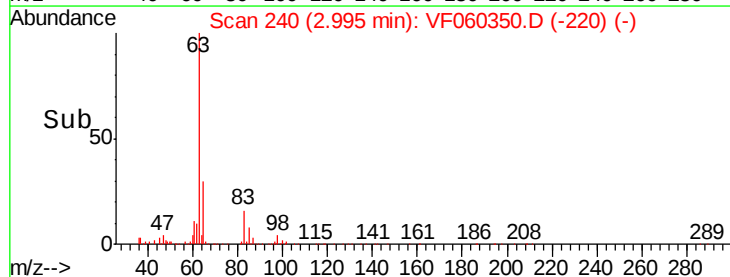
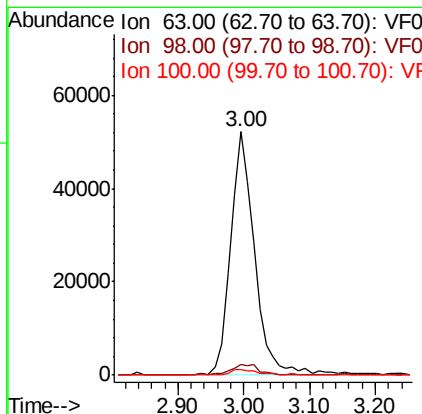
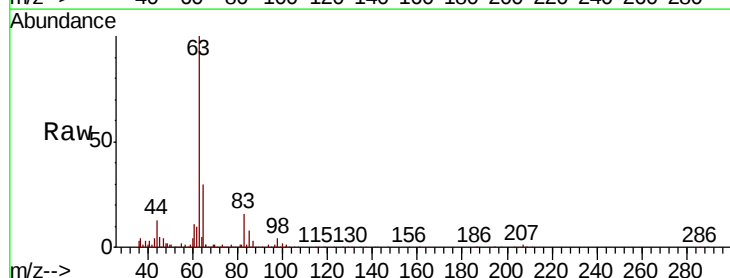
RT: 3.00 min Scan# 240

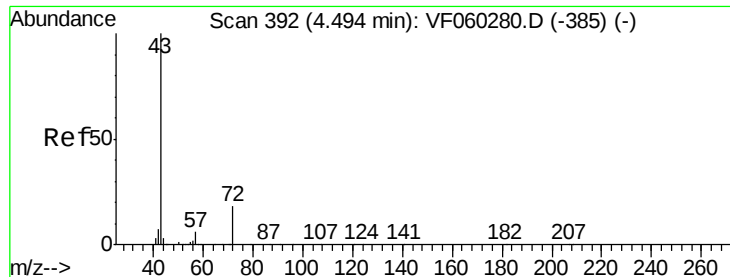
Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Tgt Ion:	63	Resp:	134226
Ion Ratio		Lower	Upper
63	100		
98	4.4	2.1	6.5
100	2.3	1.1	3.3





#25

2-Butanone

Concen: 111.065 ug/l

RT: 4.50 min Scan# 393

Delta R.T. 0.01 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

Tot Ion: 43 Resp: 140156

Ion Ratio Lower Upper

43 100

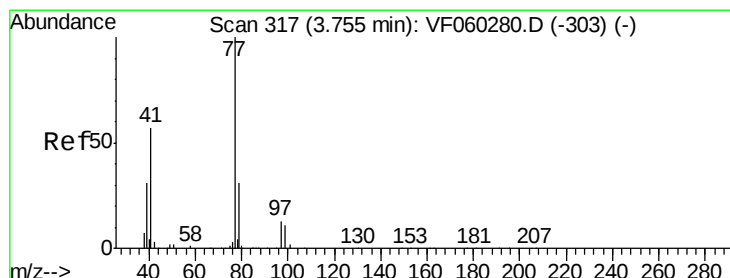
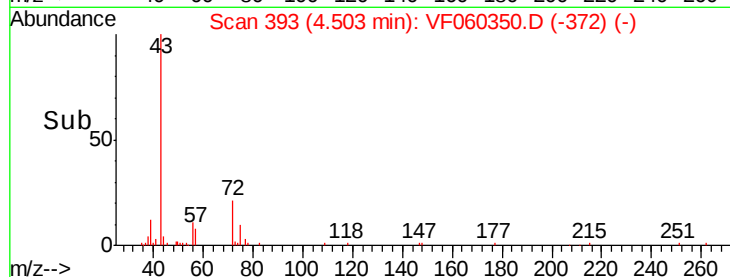
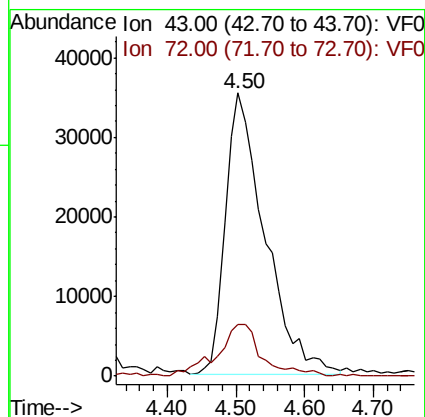
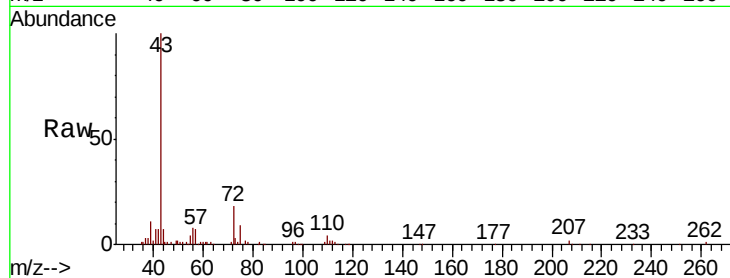
72 18.4 16.2 24.2

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#26

2,2-Dichloropropane

Concen: 23.495 ug/l

RT: 3.75 min Scan# 317

Delta R.T. -0.00 min

Lab File: VF060350.D

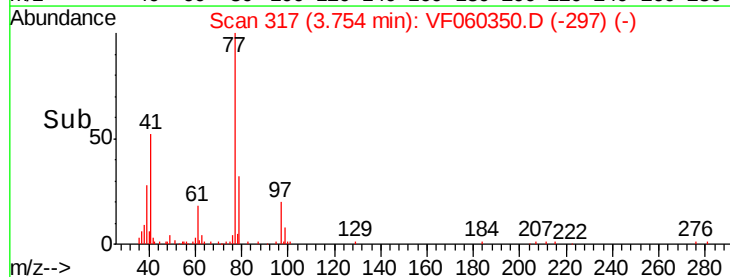
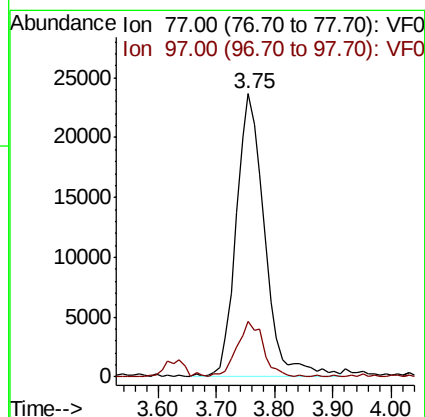
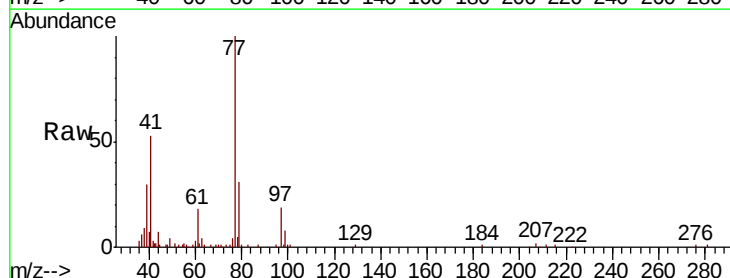
Acq: 26 Sep 2018 14:29

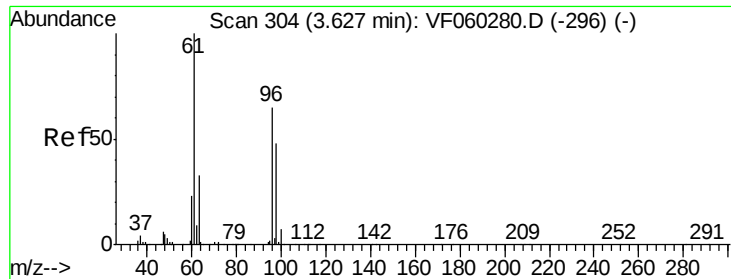
Tgt Ion: 77 Resp: 80536

Ion Ratio Lower Upper

77 100

97 19.4 9.3 27.9





#27

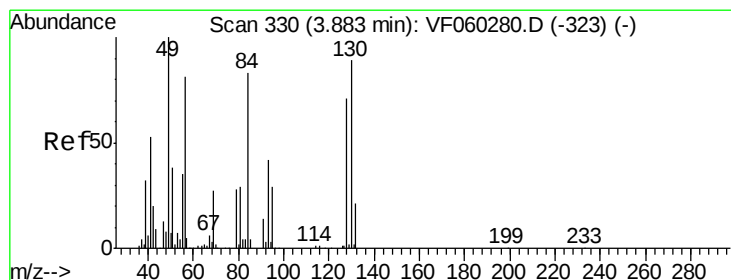
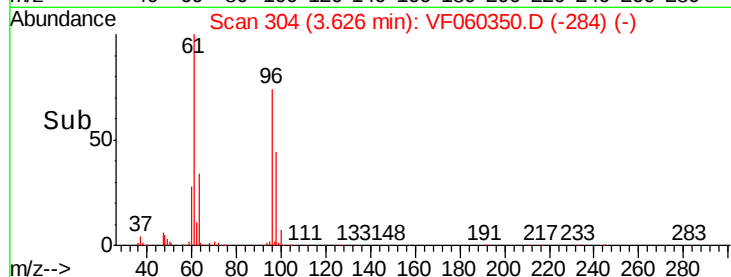
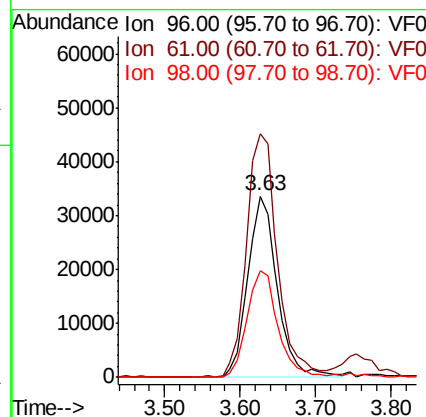
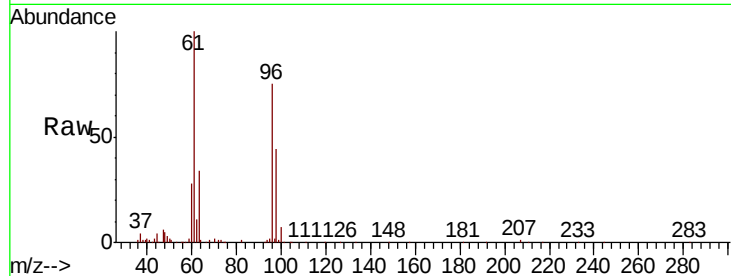
cis-1,2-Dichloroethene
 Concen: 23.972 ug/l
 RT: 3.63 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VF060350.D
 Acq: 26 Sep 2018 14:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0926SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	134.1	0.0	304.8	
98	59.9	0.0	146.4	

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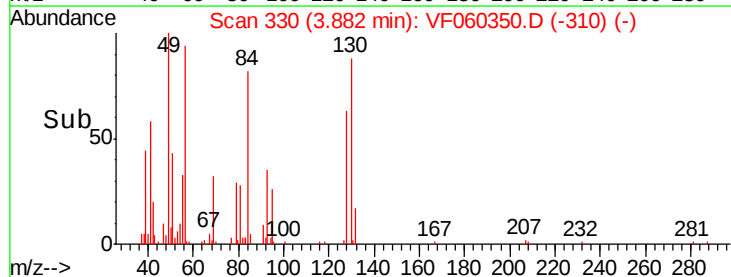
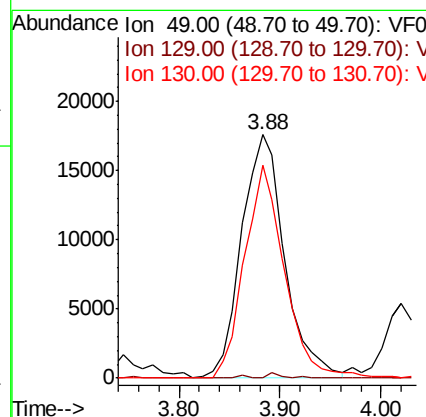
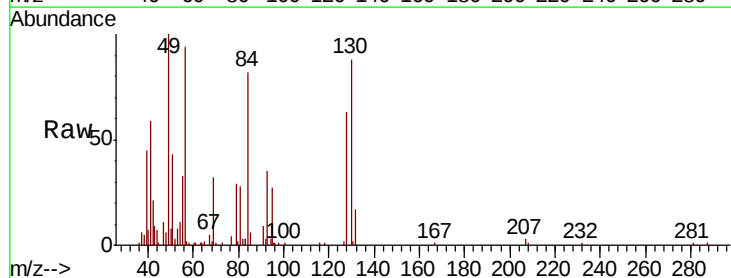
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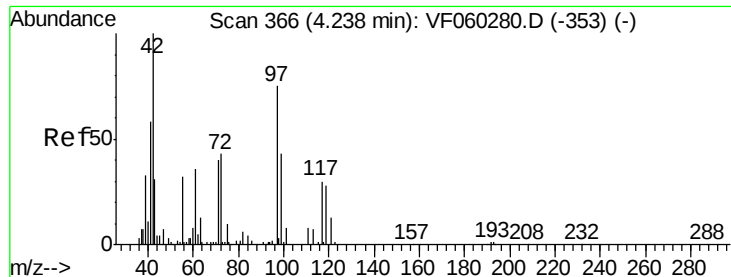


#28

Bromochloromethane
 Concen: 22.448 ug/l
 RT: 3.88 min Scan# 330
 Delta R.T. -0.00 min
 Lab File: VF060350.D
 Acq: 26 Sep 2018 14:29

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.0	0.0	4.2	
130	89.3	70.3	105.5	





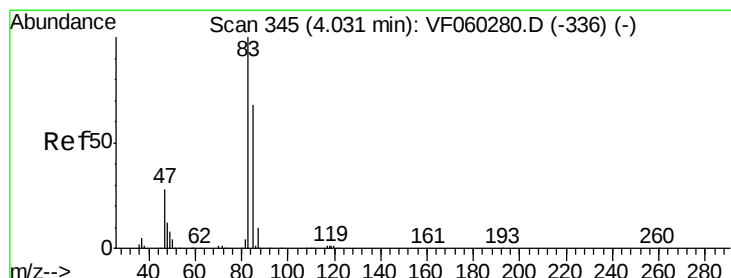
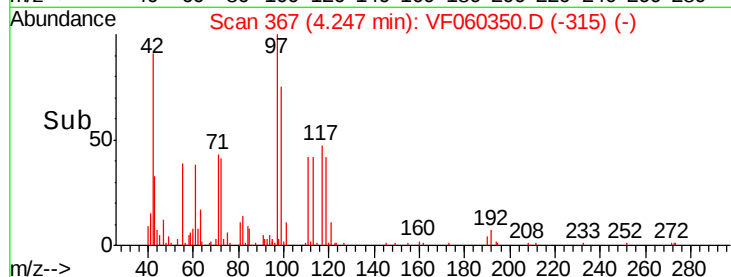
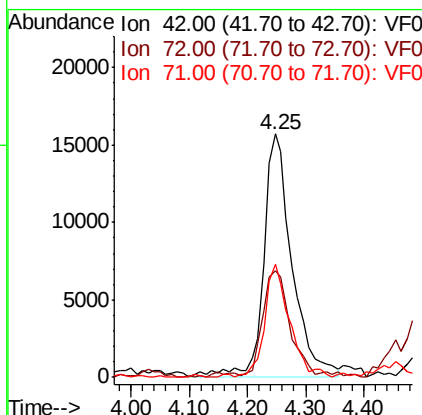
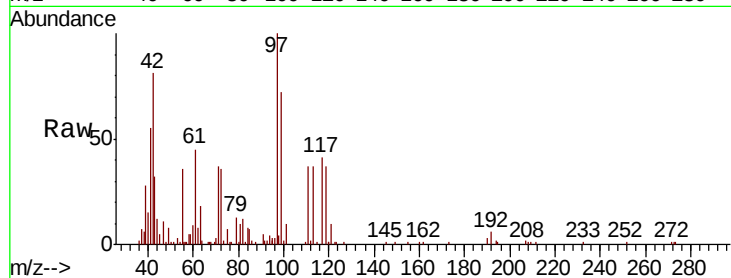
#29
Tetrahydrofuran
Concen: 117.062 ug/l
RT: 4.25 min Scan# 367
Delta R.T. 0.01 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Instrument :
MSVOA_F
ClientSampleId :
VF0926SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	32.6	49.0
71	40.6	32.7	49.1

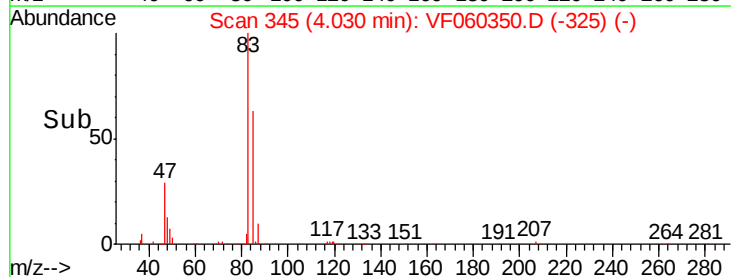
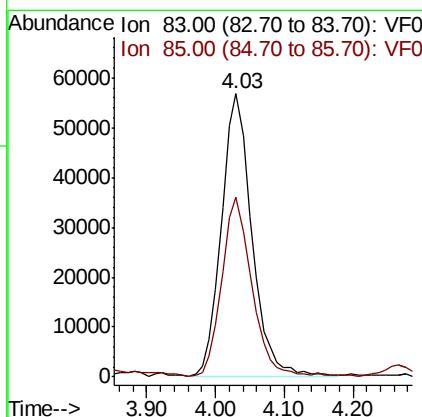
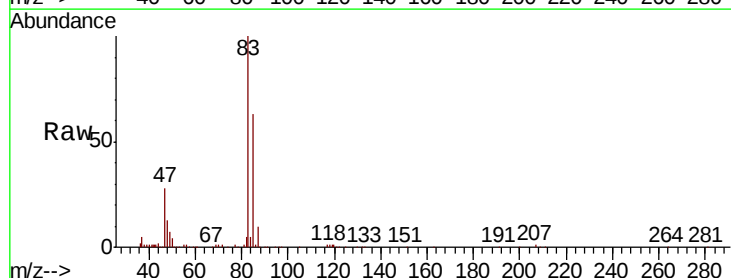
Manual Integrations
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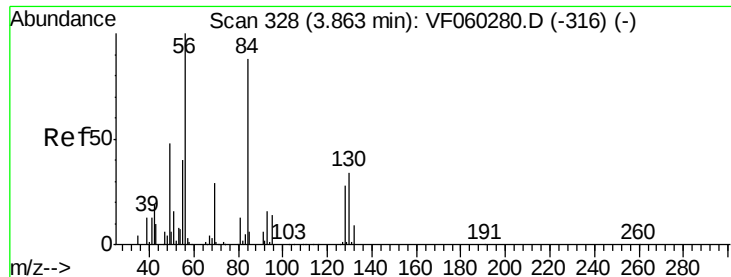
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#30
Chloroform
Concen: 23.832 ug/l
RT: 4.03 min Scan# 345
Delta R.T. -0.00 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	54.9	82.3





#31

Cyclohexane

Concen: 22.986 ug/l

RT: 3.85 min Scan# 327

Delta R.T. -0.01 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

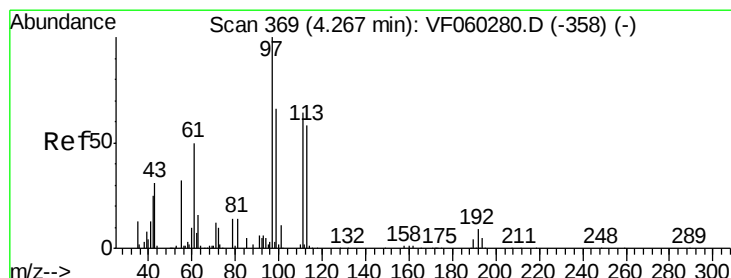
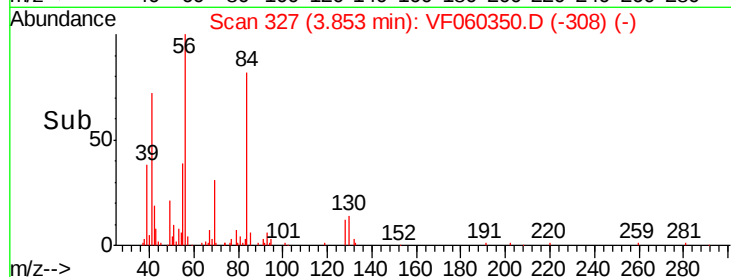
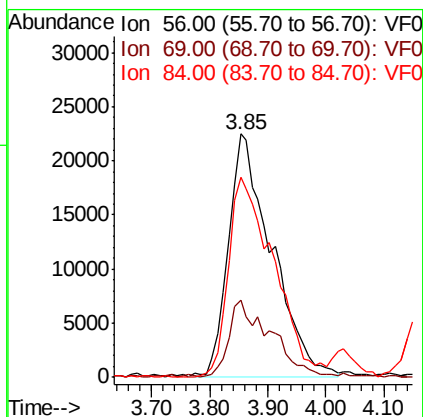
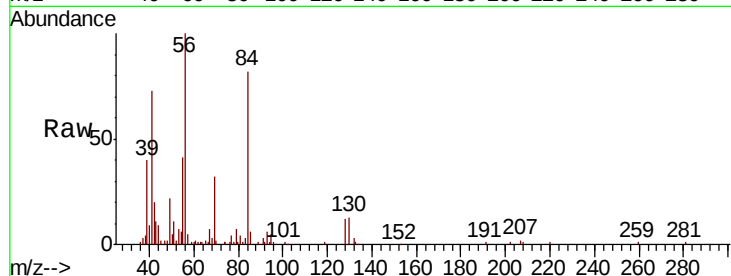
ClientSampleId :

VF0926SBS01

Tot Ion:	56	Resp:	116640
Ion Ratio	Lower	Upper	
56	100		
69	31.6	23.8	35.6
84	82.3	70.2	105.4

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#32

1,1,1-Trichloroethane

Concen: 24.517 ug/l

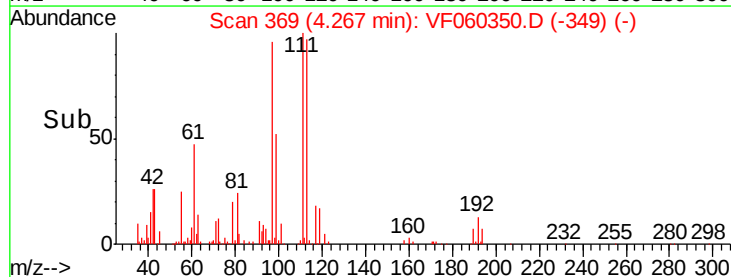
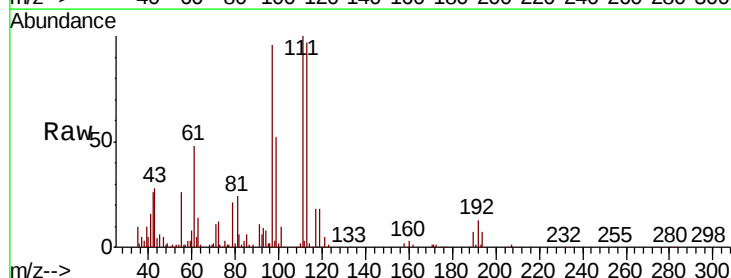
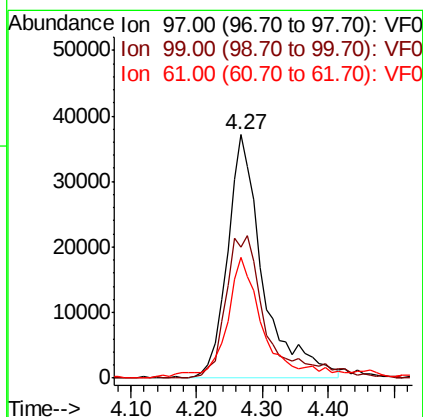
RT: 4.27 min Scan# 369

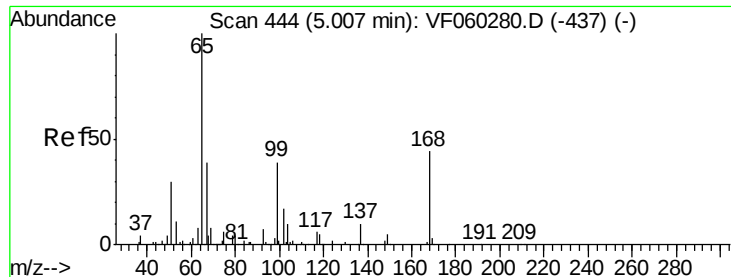
Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Tgt Ion:	97	Resp:	140232
Ion Ratio	Lower	Upper	
97	100		
99	53.9	53.0	79.4
61	49.7	40.6	61.0





#33

1,2-Dichloroethane-d4

Concen: 49.686 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.01 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Tot Ion: 65 Resp: 165410

Ion Ratio Lower Upper

65 100

67 46.8 0.0 94.4

Instrument :

MSVOA_F

ClientSampleId :

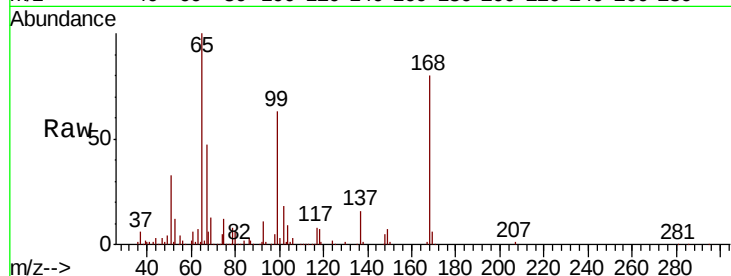
VF0926SBSD01

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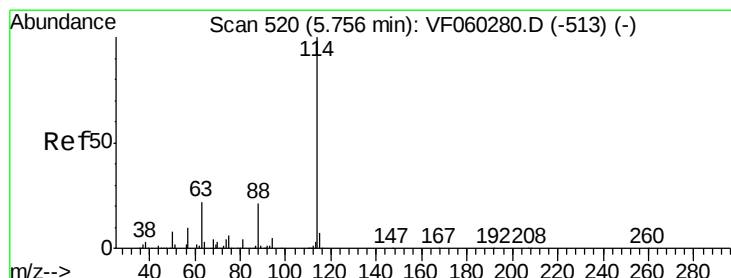
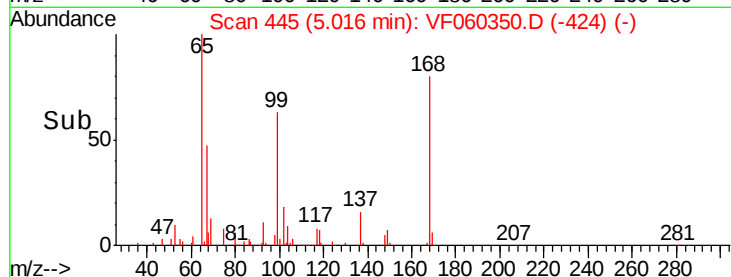
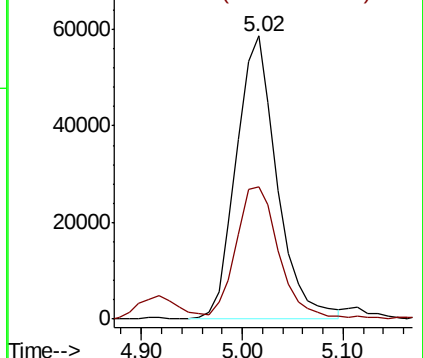
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 520

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

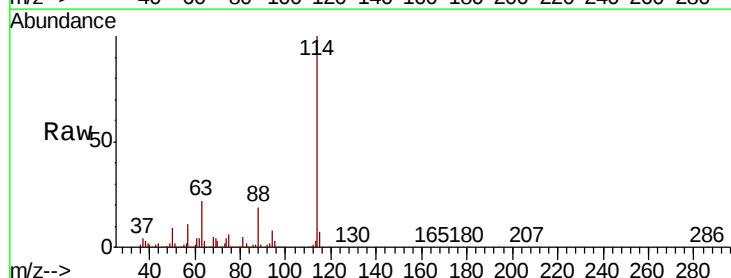
Tgt Ion: 114 Resp: 403369

Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.8

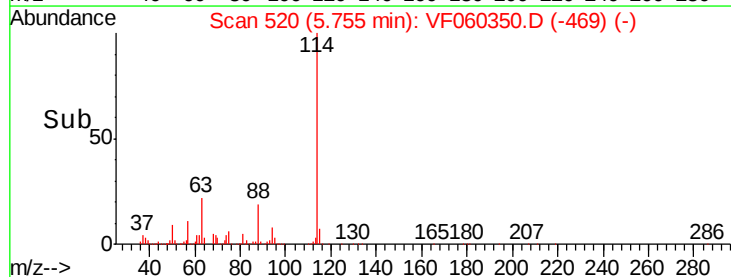
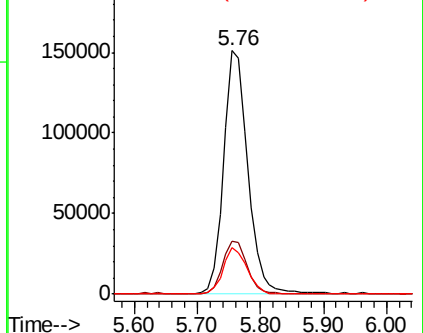
88 19.3 0.0 41.2

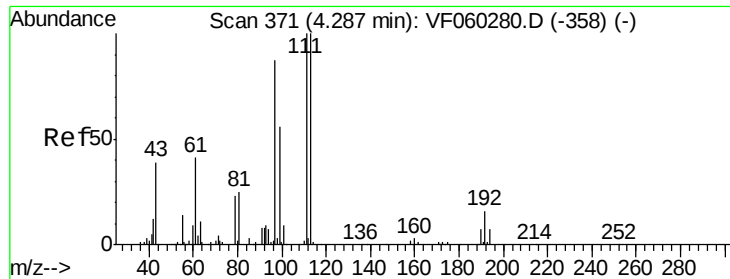


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 53.626 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

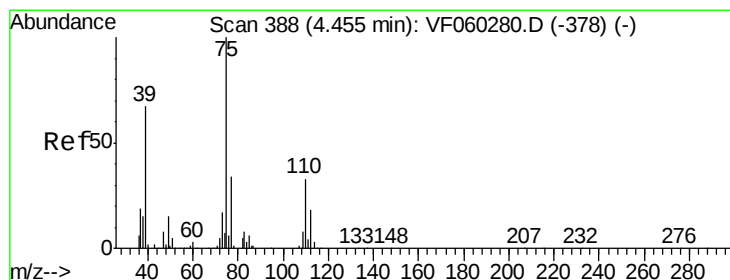
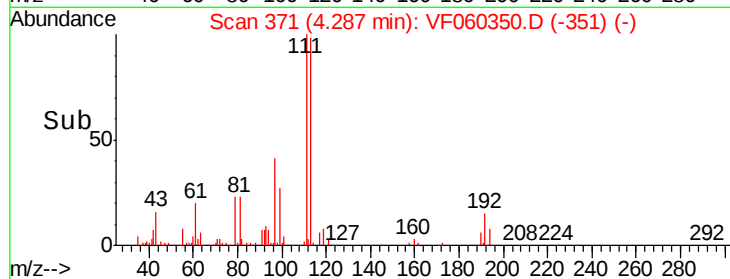
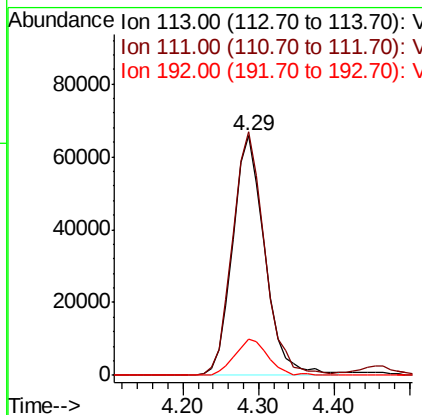
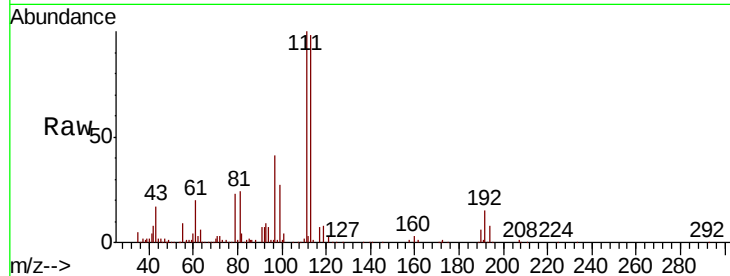
ClientSampleId :

VF0926SBSD01

Tot Ion:	113	Resp:	192824
Ion Ratio	Lower	Upper	
113	100		
111	101.7	79.6	119.4
192	15.2	13.0	19.6

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#36

1,1-Dichloropropene

Concen: 24.446 ug/l

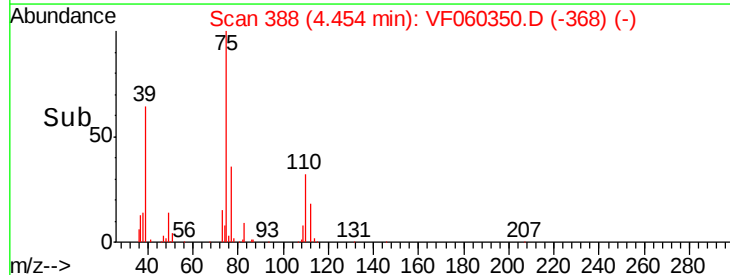
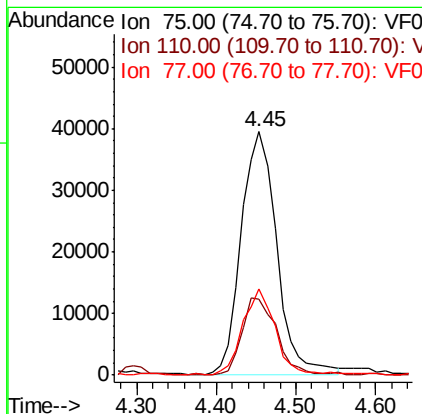
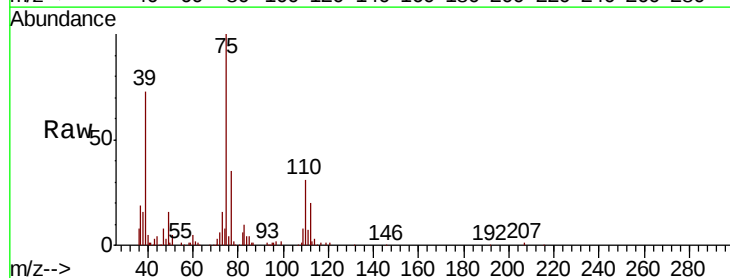
RT: 4.45 min Scan# 388

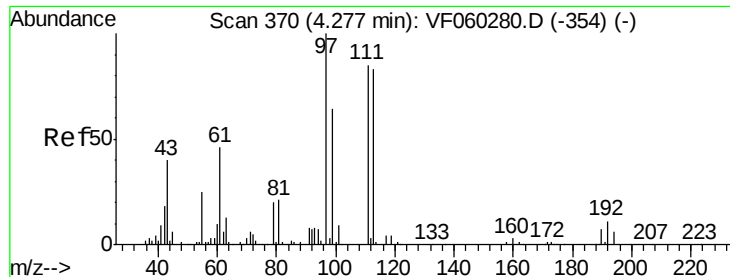
Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Tgt Ion:	75	Resp:	122999
Ion Ratio	Lower	Upper	
75	100		
110	31.2	16.4	49.2
77	35.5	27.3	40.9





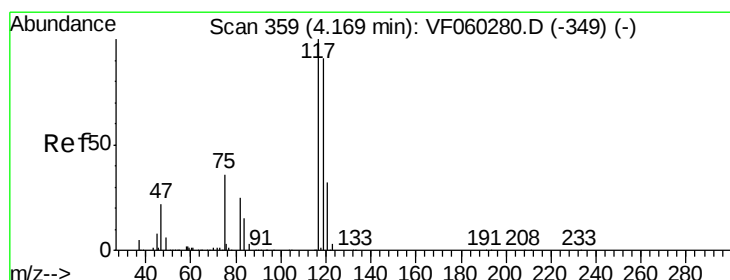
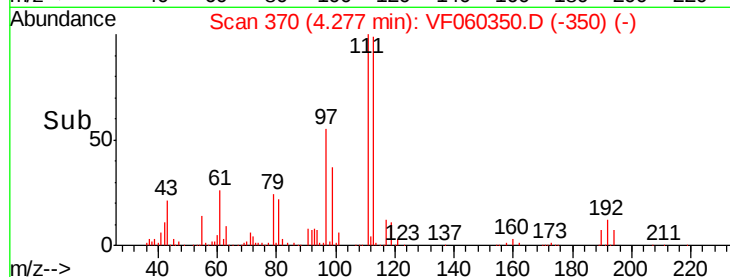
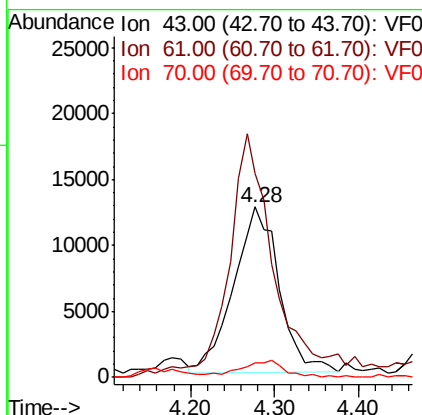
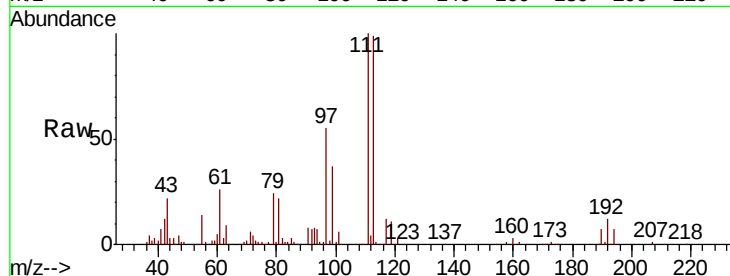
#37
Ethyl Acetate
Concen: 22.317 ug/l
RT: 4.28 min Scan# 370
Delta R.T. -0.00 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Instrument :
MSVOA_F
ClientSampleId :
VF0926SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	120.0	91.1	136.7
70	8.7	6.9	10.3

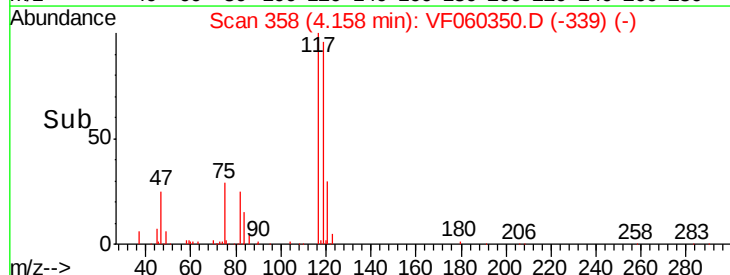
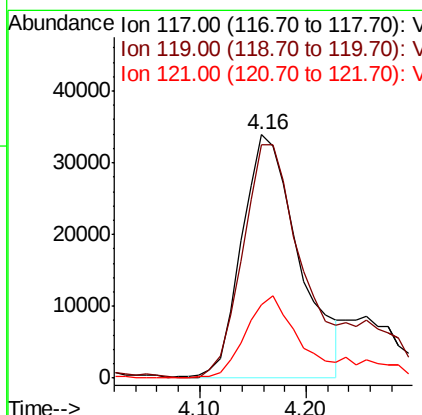
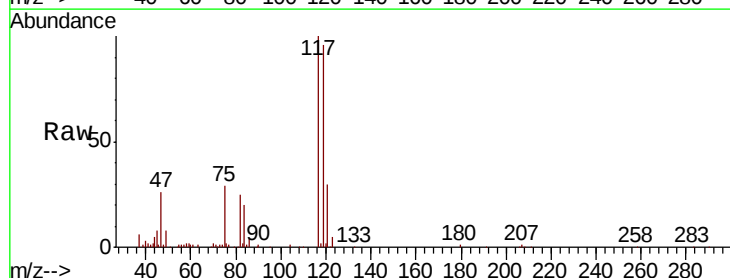
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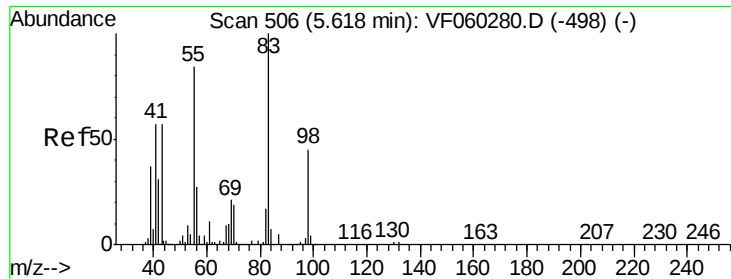
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#38
Carbon Tetrachloride
Concen: 23.421 ug/l m
RT: 4.16 min Scan# 358
Delta R.T. -0.01 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	73.0	109.6
121	30.0	25.4	38.2





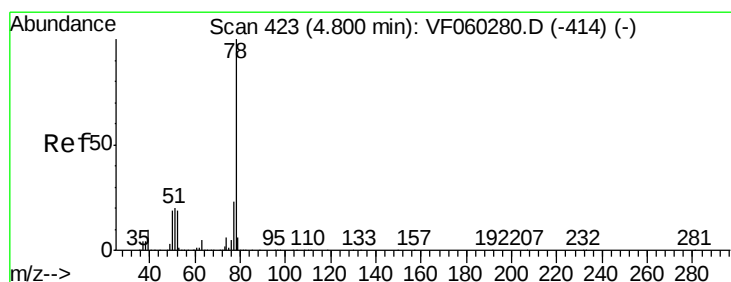
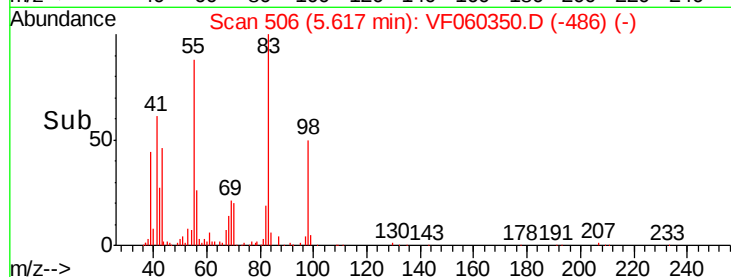
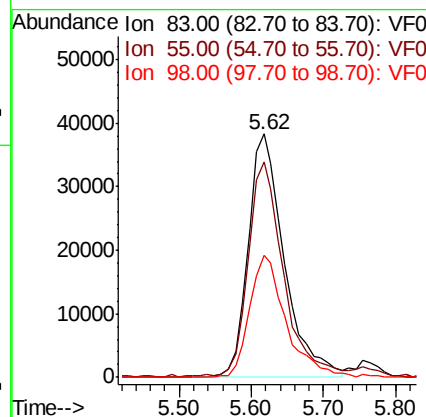
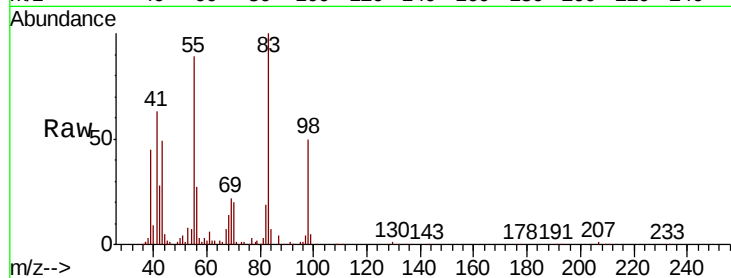
#39
Methvlcvclohexane
Concen: 24.488 ug/l
RT: 5.62 min Scan# 506
Delta R.T. -0.00 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Instrument :
MSVOA_F
ClientSampleId :
VF0926SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.6	67.3	100.9
98	50.3	36.1	54.1

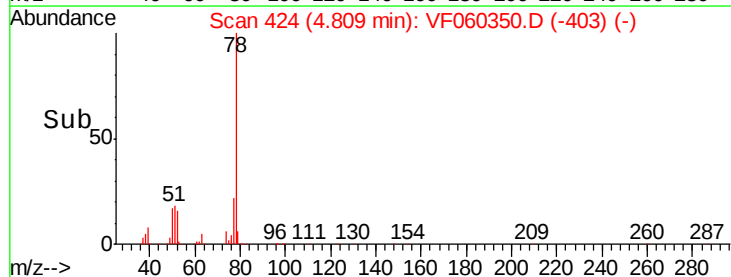
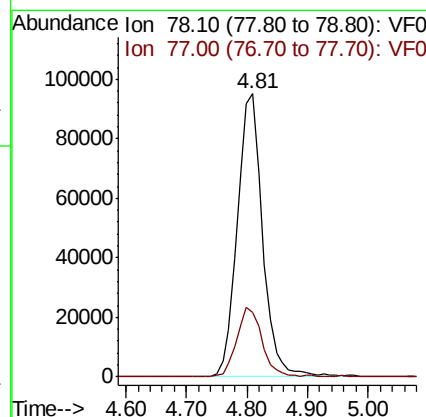
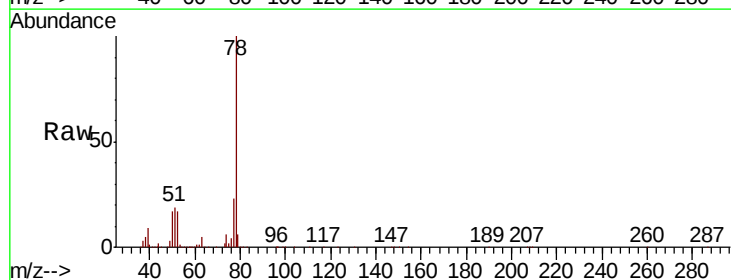
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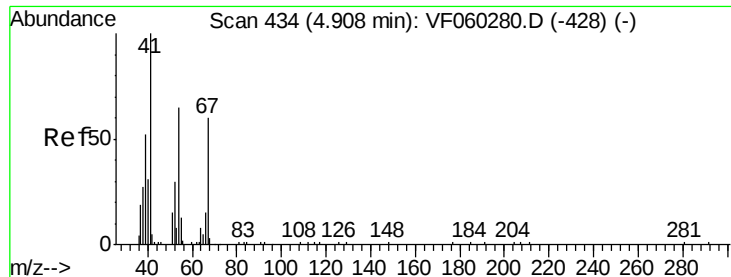
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#40
Benzene
Concen: 24.292 ug/l
RT: 4.81 min Scan# 424
Delta R.T. 0.01 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.4	27.6





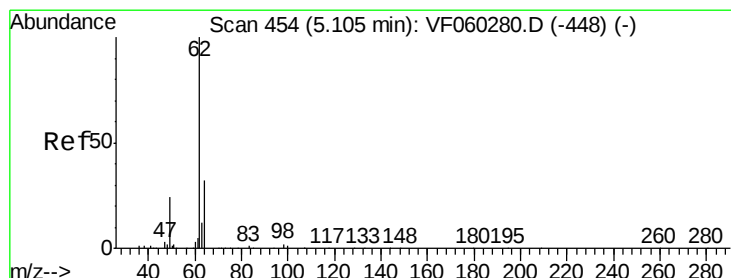
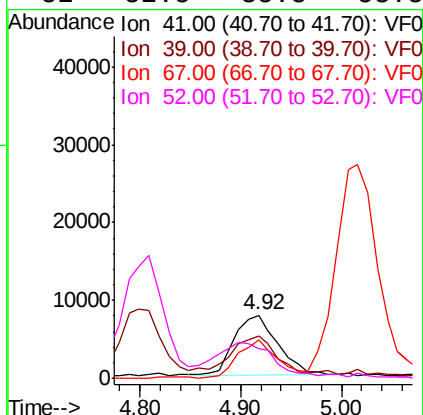
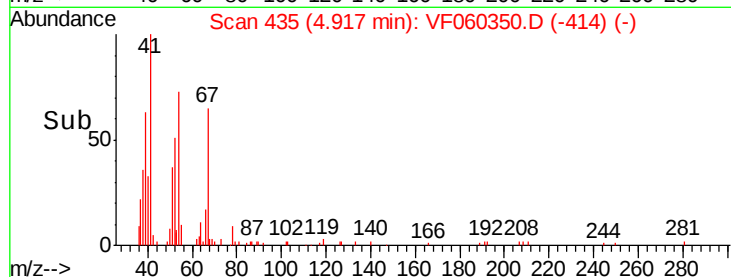
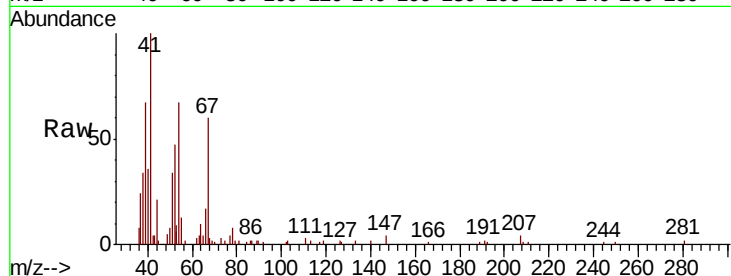
#41
Methacrylonitrile
Concen: 19.797 ug/l
RT: 4.92 min Scan# 435
Delta R.T. 0.01 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Instrument :
MSVOA_F
ClientSampleId :
VF0926SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	67.5	49.1	73.7	
67	59.9	48.2	72.4	
52	52.5	35.8	53.8	

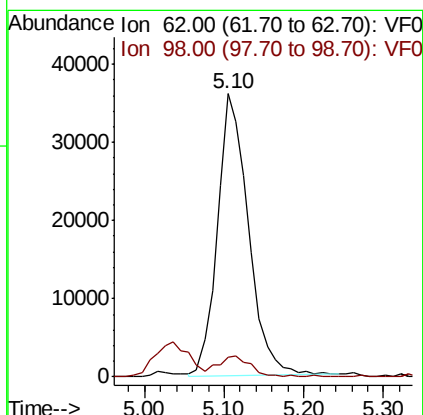
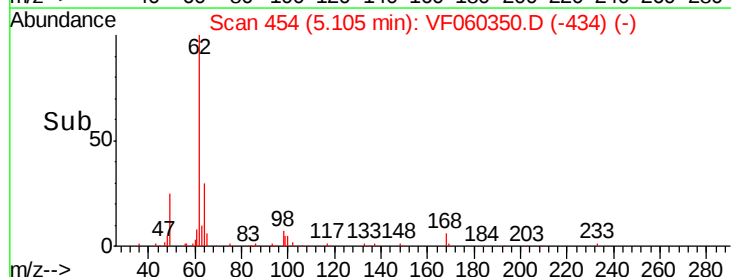
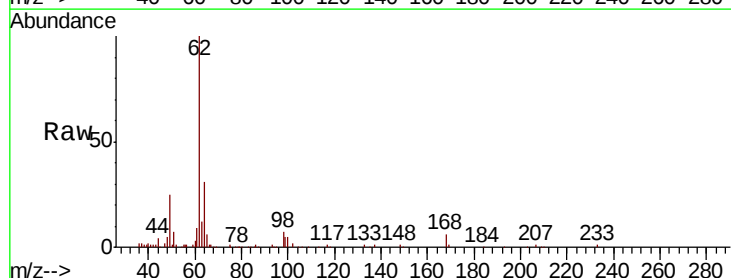
Manual Integrations
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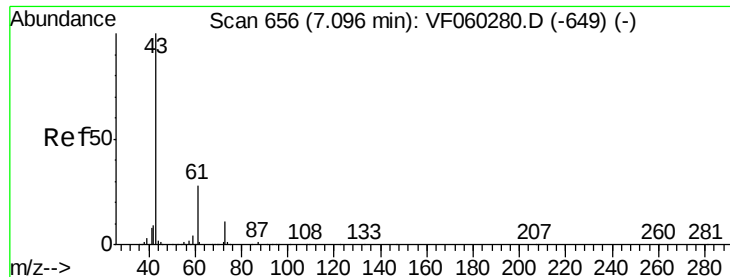
apatel
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#42
1,2-Dichloroethane
Concen: 23.425 ug/l
RT: 5.10 min Scan# 454
Delta R.T. -0.00 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.0	0.0	14.4	





#43

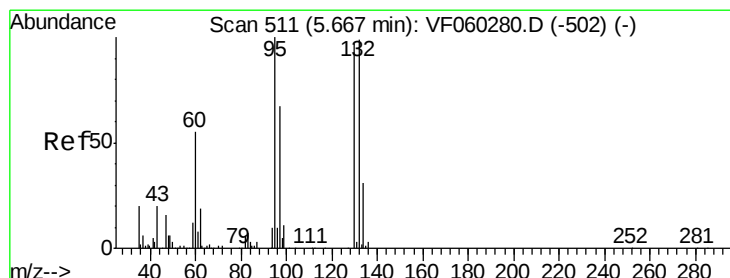
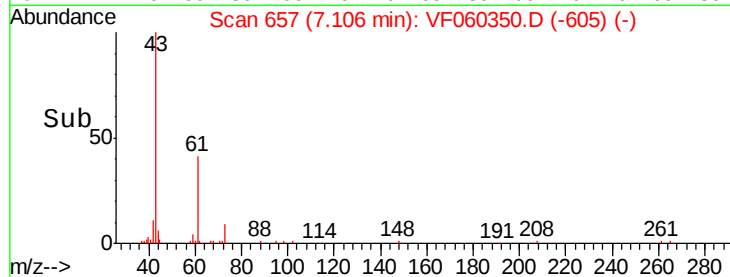
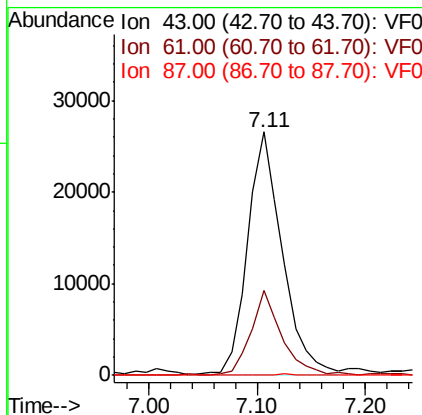
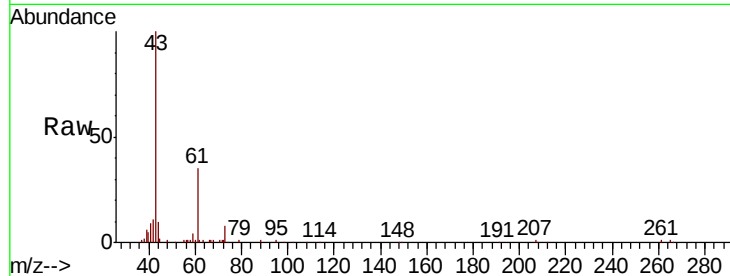
Isopropyl Acetate
 Concen: 23.257 ug/l
 RT: 7.11 min Scan# 657
 Delta R.T. 0.01 min
 Lab File: VF060350.D
 Acq: 26 Sep 2018 14:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0926SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	34.7	22.4	33.6#
87	0.0	0.6	0.8#

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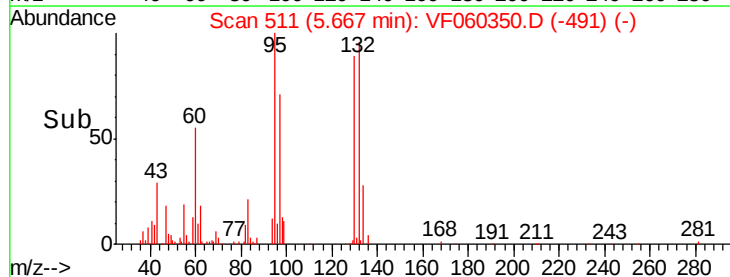
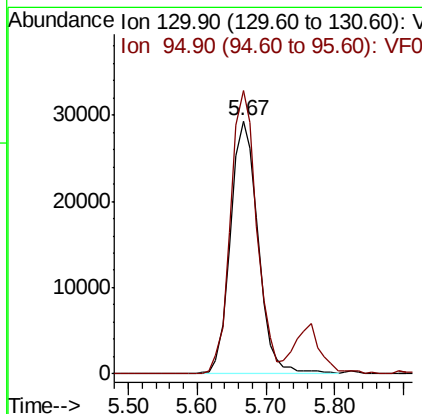
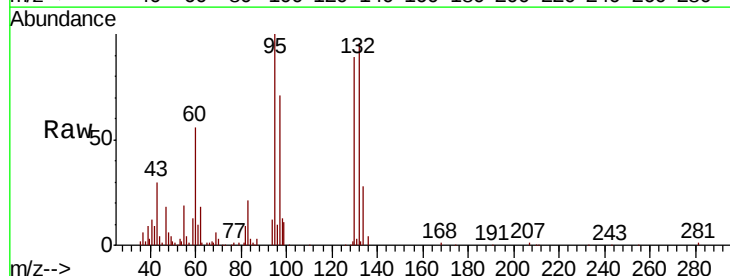
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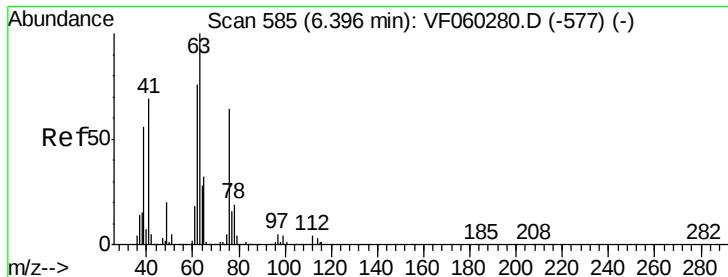


#44

Trichloroethene
 Concen: 23.963 ug/l
 RT: 5.67 min Scan# 511
 Delta R.T. -0.00 min
 Lab File: VF060350.D
 Acq: 26 Sep 2018 14:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	112.0	0.0	205.6





#45

1,2-Dichloropropane

Concen: 21.586 ug/l

RT: 6.40 min Scan# 585

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBSD01

Tot Ion: 63 Resp: 63737

Ion Ratio Lower Upper

63 100

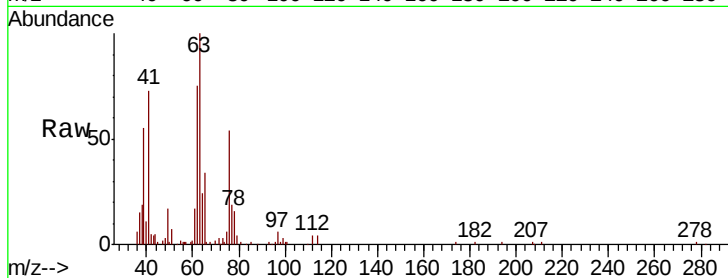
65 34.1 26.2 39.4

Manual Integrations

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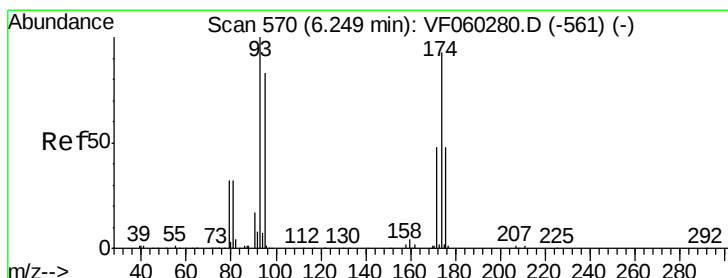
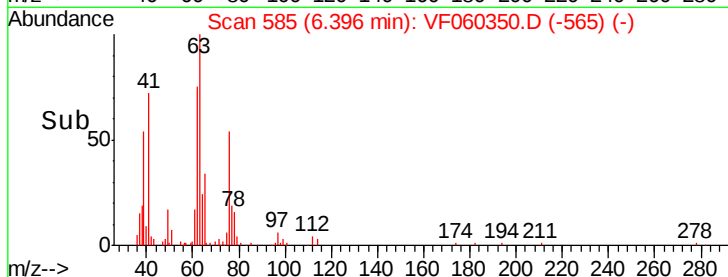
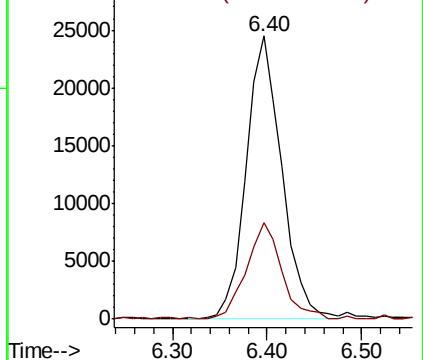
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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 22.829 ug/l

RT: 6.25 min Scan# 570

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

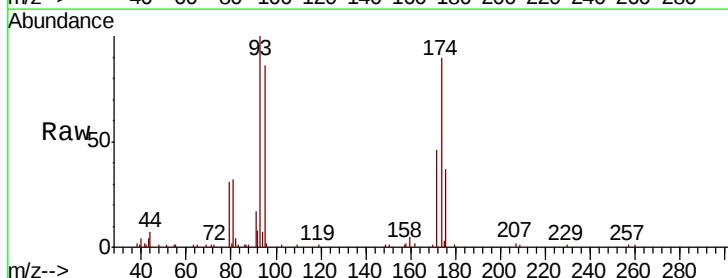
Tgt Ion: 93 Resp: 48182

Ion Ratio Lower Upper

93 100

95 85.7 67.0 100.6

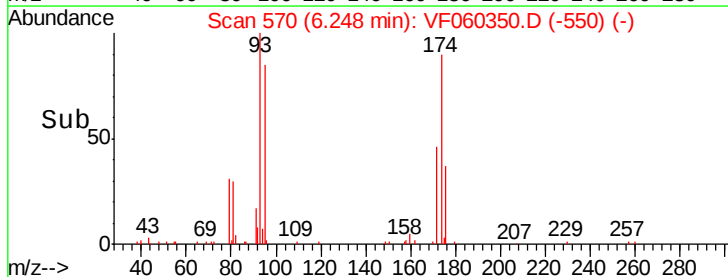
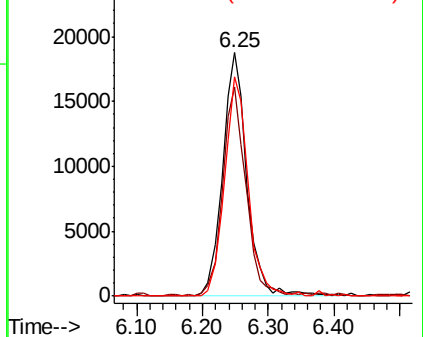
174 90.2 74.8 112.2

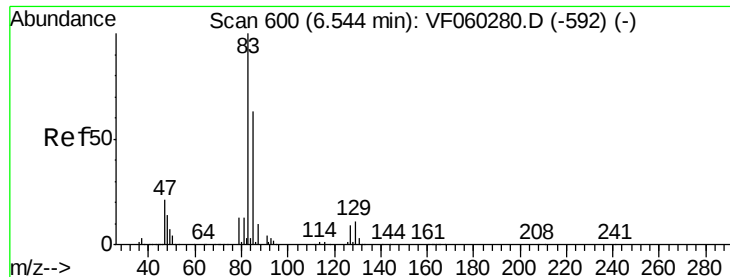


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 23.234 ug/l

RT: 6.54 min Scan# 600

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

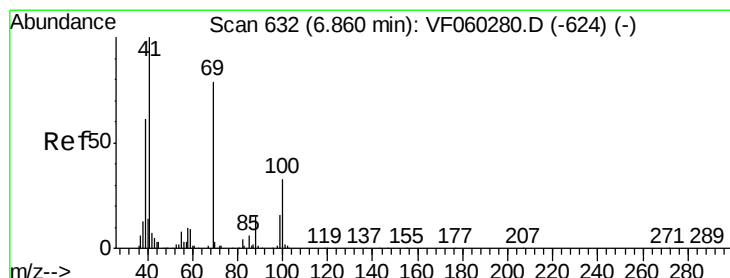
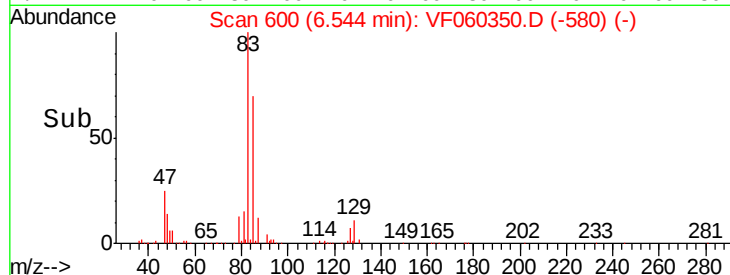
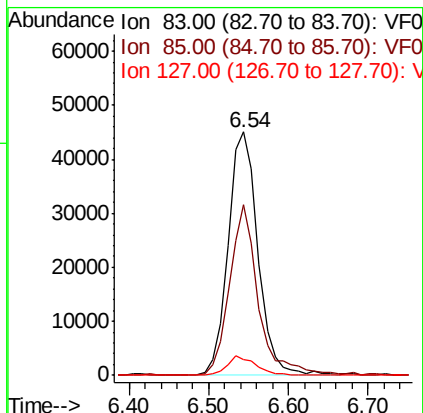
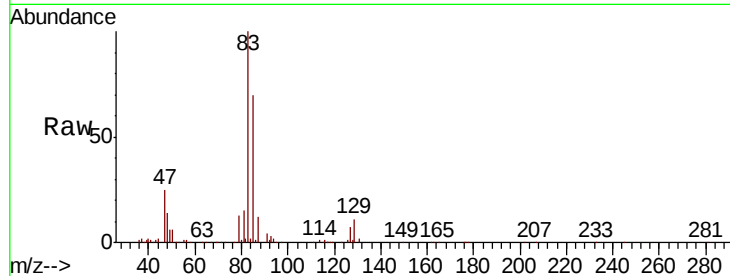
ClientSampleId :

VF0926SBSD01

Tot Ion:	83	Resp:	117843
Ion Ratio	Lower	Upper	
83	100		
85	70.1	50.6	76.0
127	6.7	7.1	10.7#

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.944 ug/l

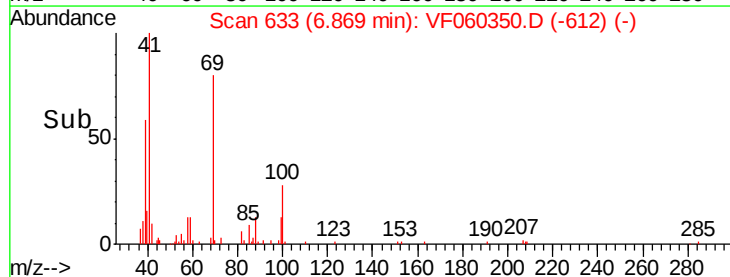
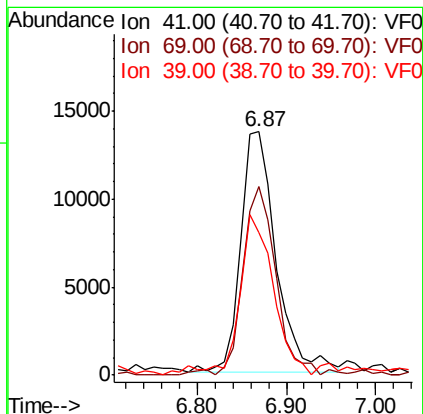
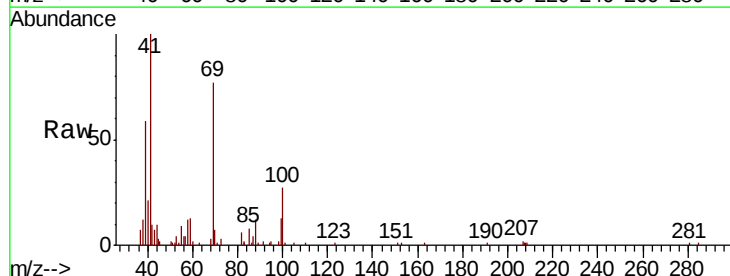
RT: 6.87 min Scan# 633

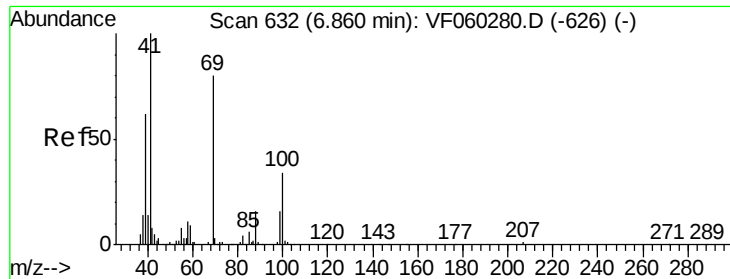
Delta R.T. 0.01 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Tgt Ion:	41	Resp:	37681
Ion Ratio	Lower	Upper	
41	100		
69	77.4	62.6	94.0
39	58.8	49.1	73.7





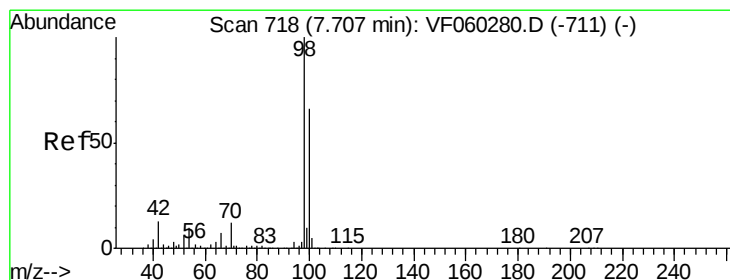
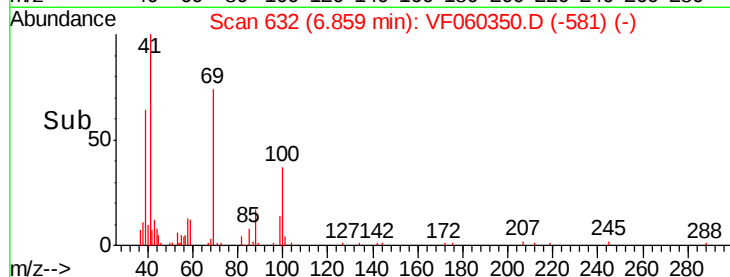
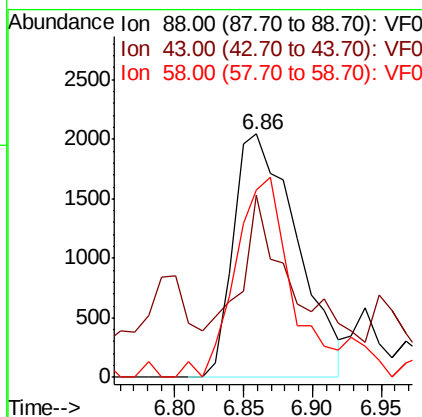
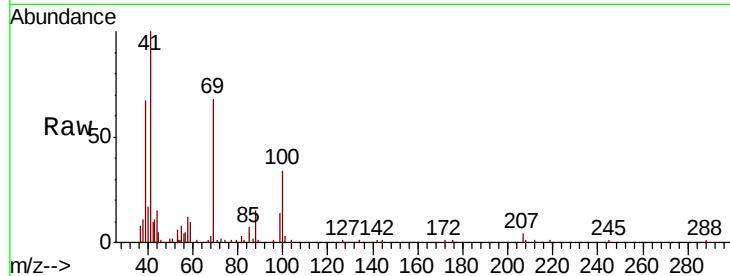
#49
1,4-Dioxane
Concen: 408.752 ug/l
RT: 6.86 min Scan# 632
Delta R.T. -0.00 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Instrument :
MSVOA_F
ClientSampleId :
VF0926SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	74.6	40.2	60.4
58	77.2	56.7	85.1

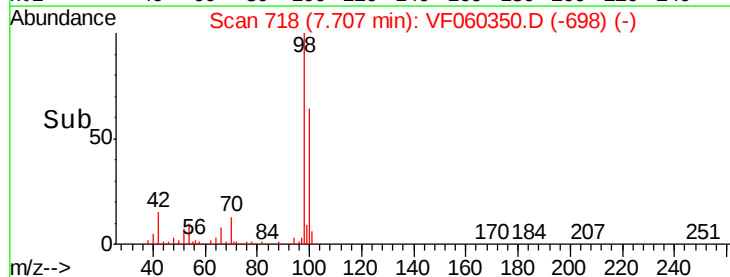
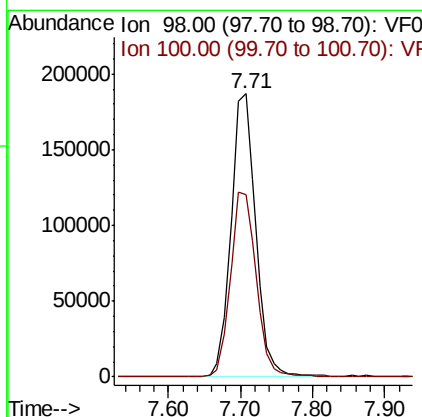
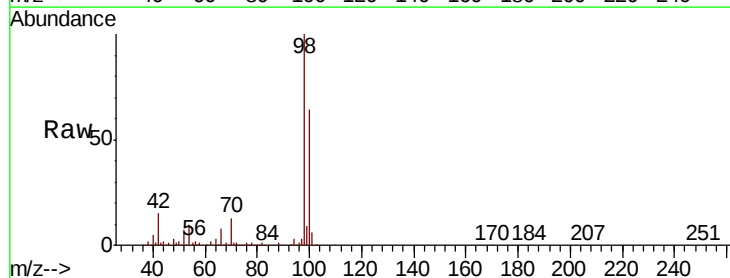
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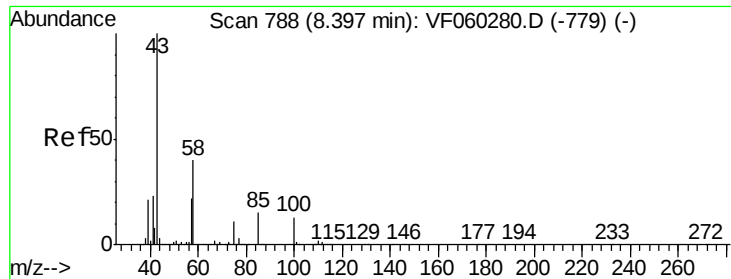
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#50
Toluene-d8
Concen: 47.887 ug/l
RT: 7.71 min Scan# 718
Delta R.T. -0.00 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 107.130 ug/l

RT: 8.40 min Scan# 788

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBSD01

Tot Ion: 43 Resp: 211623

Ion Ratio Lower Upper

43 100

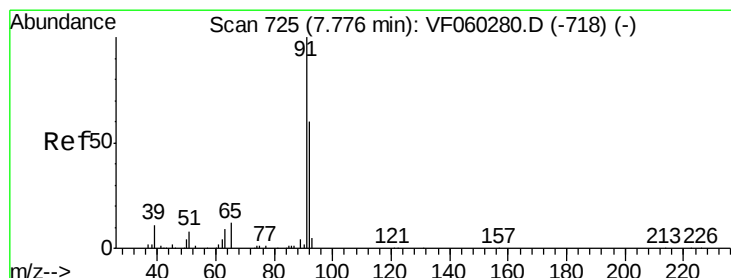
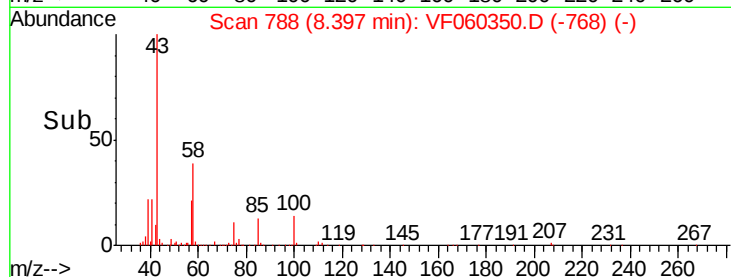
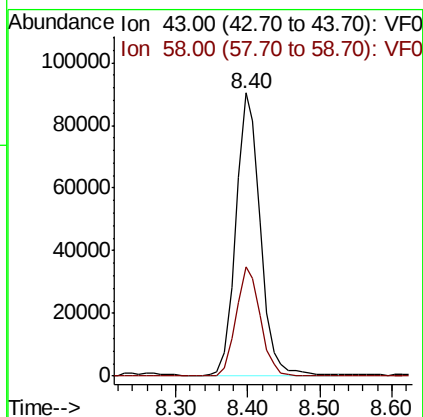
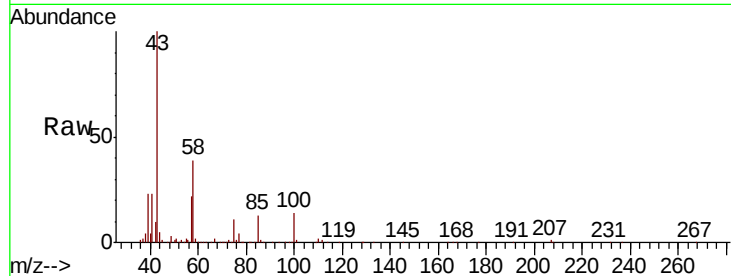
58 38.6 31.8 47.8

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#52

Toluene

Concen: 22.983 ug/l

RT: 7.78 min Scan# 725

Delta R.T. -0.00 min

Lab File: VF060350.D

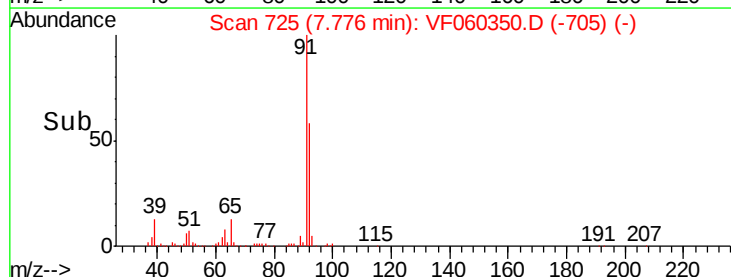
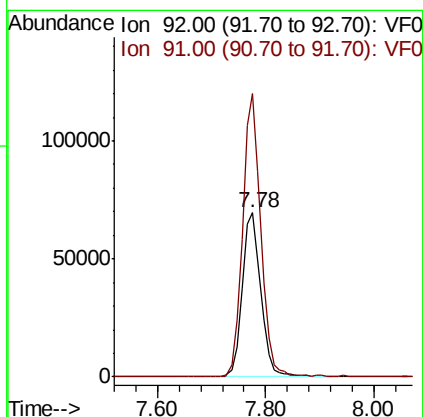
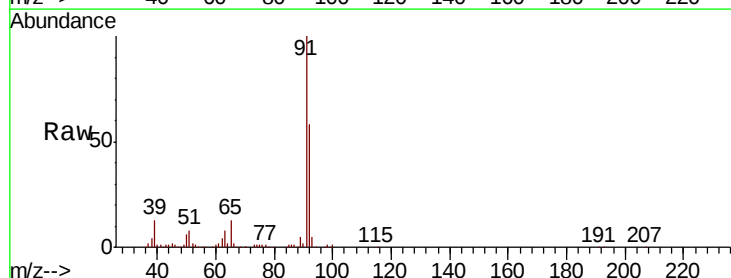
Acq: 26 Sep 2018 14:29

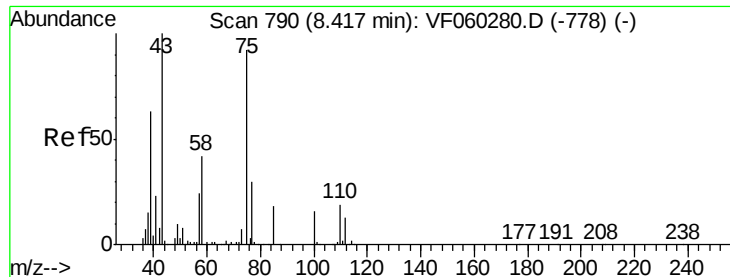
Tgt Ion: 92 Resp: 165883

Ion Ratio Lower Upper

92 100

91 172.7 133.3 199.9





#53

t-1,3-Dichloropropene

Concen: 22.930 ug/l

RT: 8.42 min Scan# 790

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBSD01

Tot Ion: 75 Resp: 93810

Ion Ratio Lower Upper

75 100

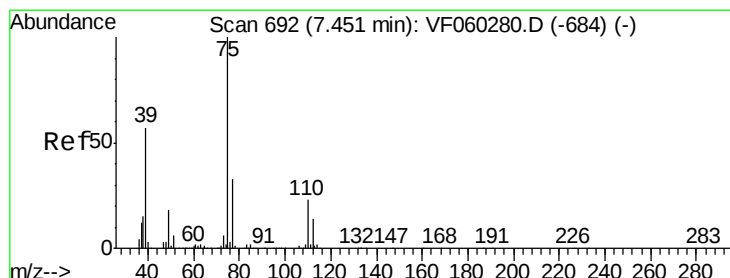
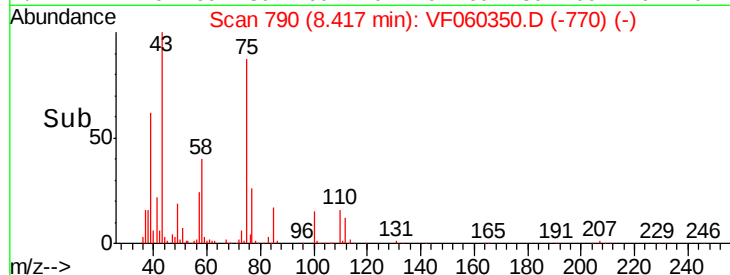
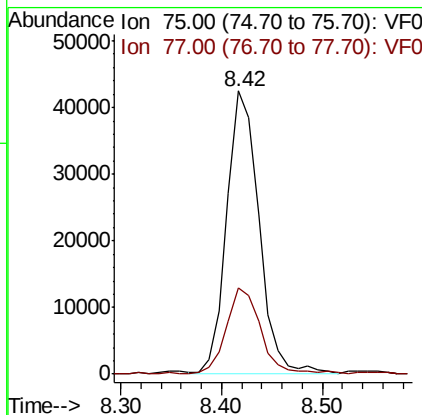
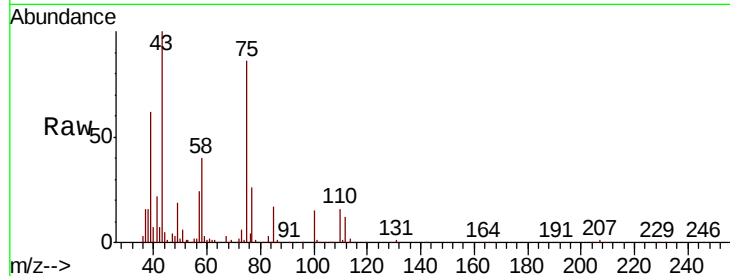
77 30.5 25.9 38.9

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#54

cis-1,3-Dichloropropene

Concen: 22.645 ug/l

RT: 7.45 min Scan# 692

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

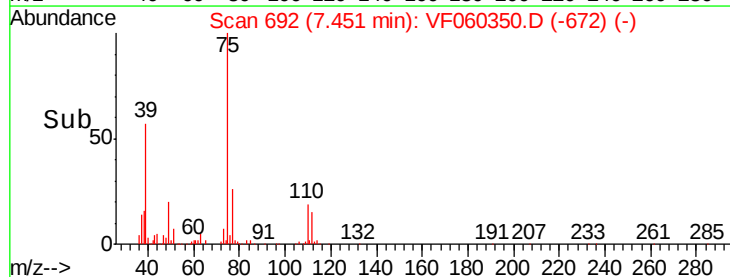
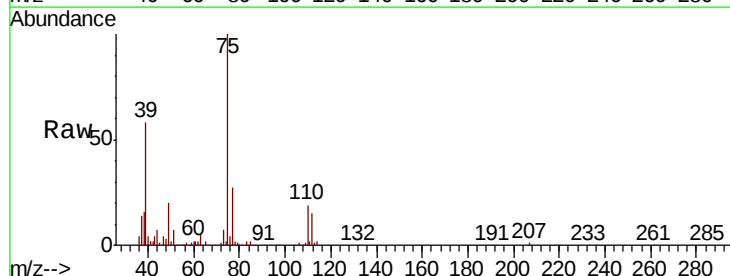
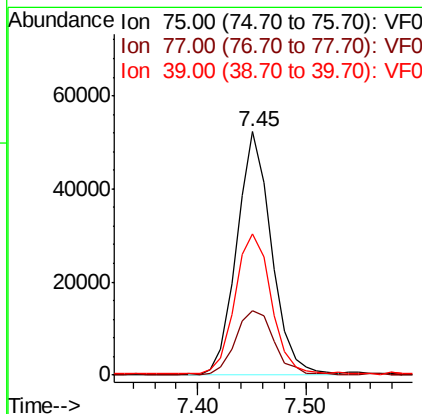
Tgt Ion: 75 Resp: 116711

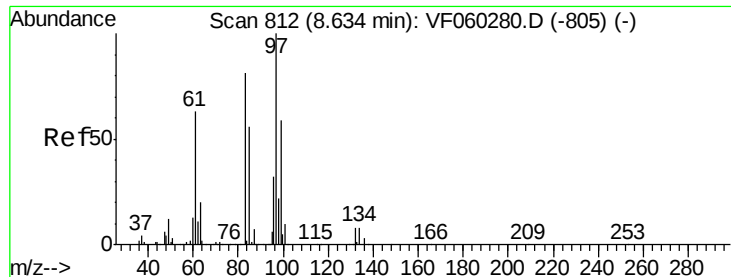
Ion Ratio Lower Upper

75 100

77 26.6 26.3 39.5

39 58.1 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 22.336 ug/l

RT: 8.63 min Scan# 812

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

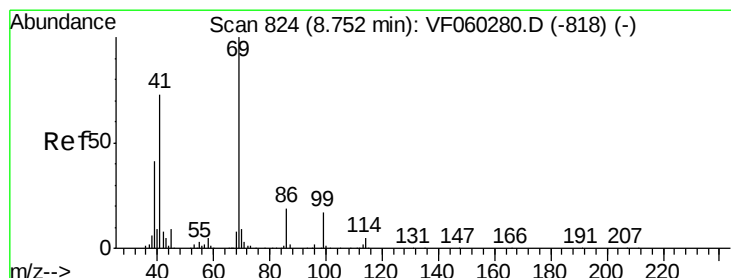
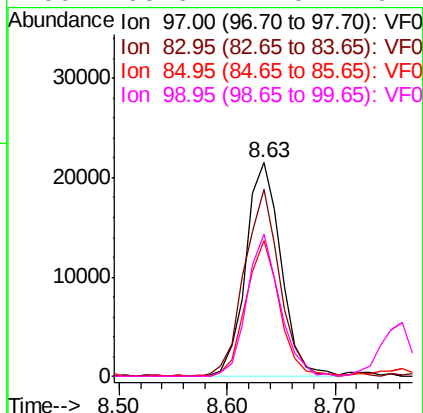
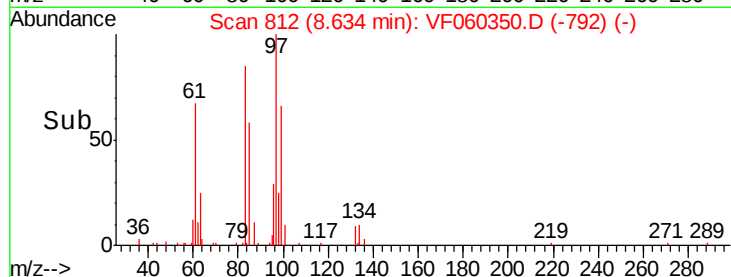
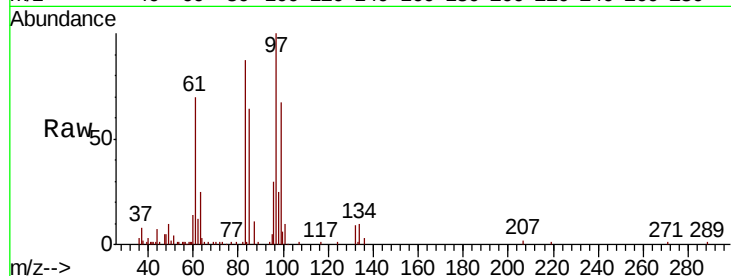
ClientSampleId :

VF0926SBSD01

Tot Ion:	97	Resp:	48929
Ion	Ratio	Lower	Upper
97	100		
83	87.3	65.3	97.9
85	63.6	44.7	67.1
99	66.6	47.0	70.4

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#56

Ethyl methacrylate

Concen: 23.171 ug/l

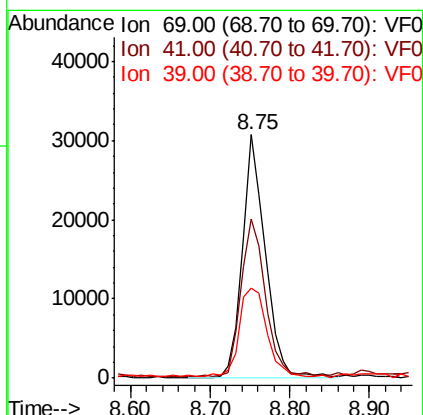
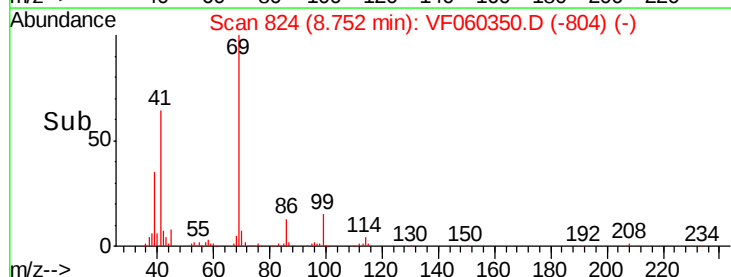
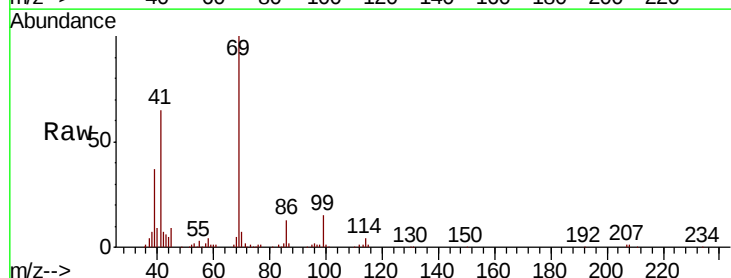
RT: 8.75 min Scan# 824

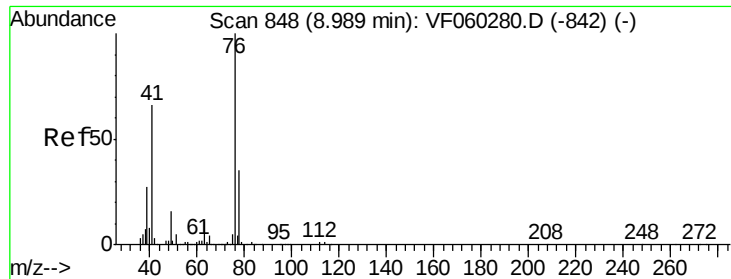
Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Tgt Ion:	69	Resp:	61301
Ion	Ratio	Lower	Upper
69	100		
41	65.1	59.4	89.2
39	37.0	33.5	50.3





#57

1,3-Dichloropropane

Concen: 23.957 ug/l

RT: 9.00 min Scan# 849

Delta R.T. 0.01 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBSD01

Tot Ion: 76 Resp: 86896

Ion Ratio Lower Upper

76 100

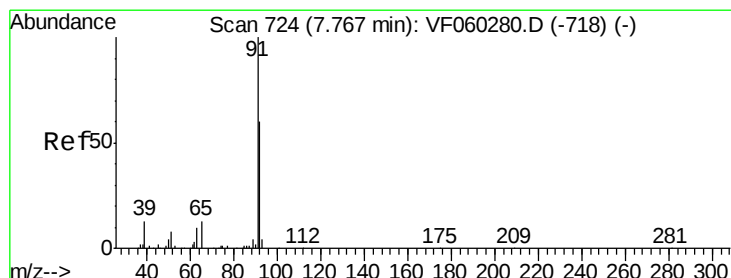
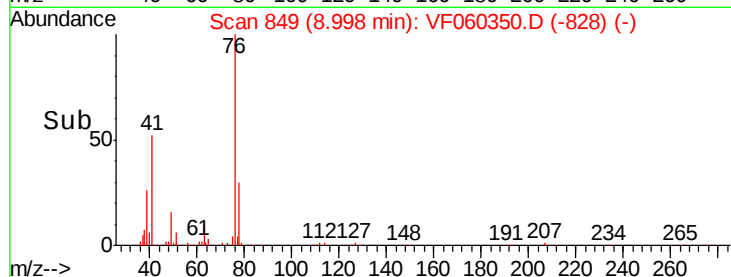
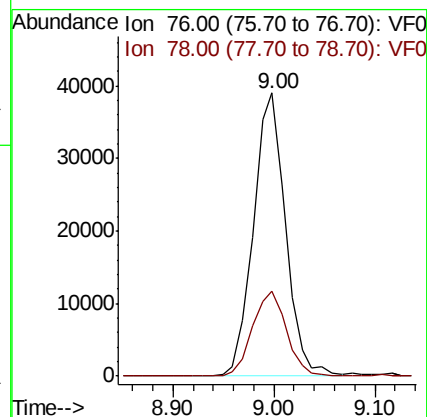
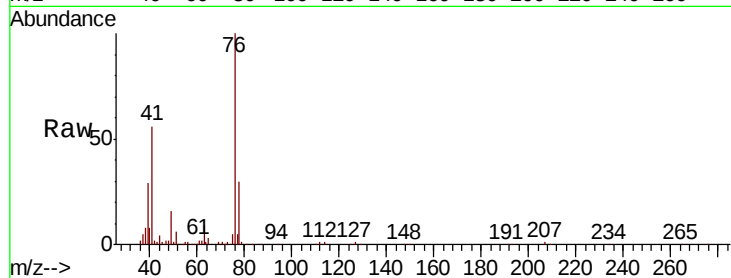
78 30.2 28.2 42.2

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#58

2-Chloroethyl Vinyl ether

Concen: 111.715 ug/l

RT: 7.77 min Scan# 724

Delta R.T. -0.00 min

Lab File: VF060350.D

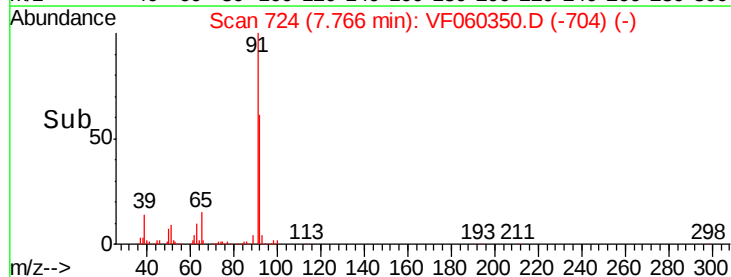
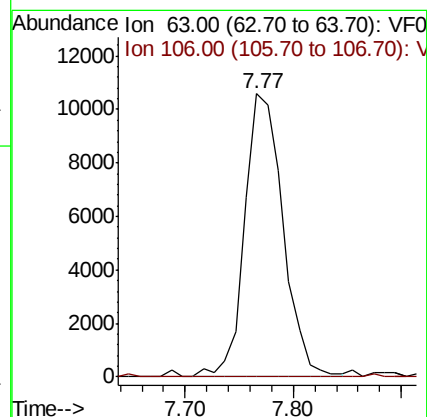
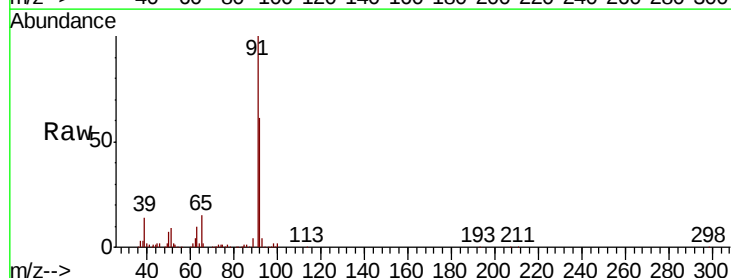
Acq: 26 Sep 2018 14:29

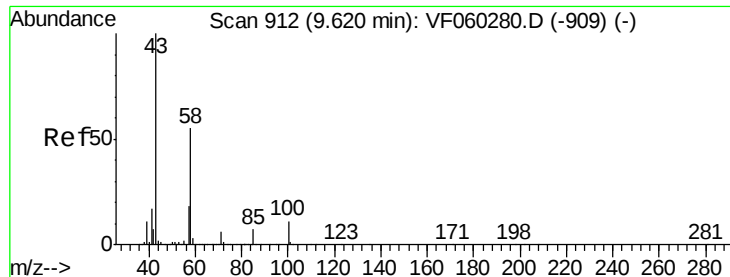
Tgt Ion: 63 Resp: 26128

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





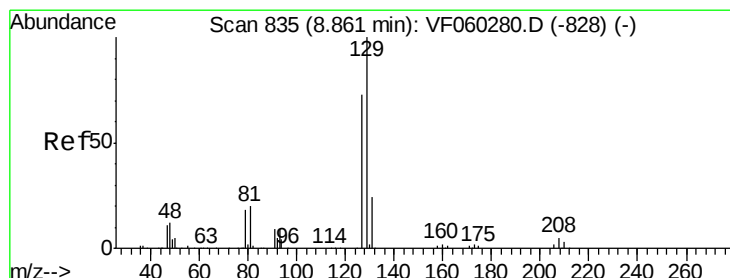
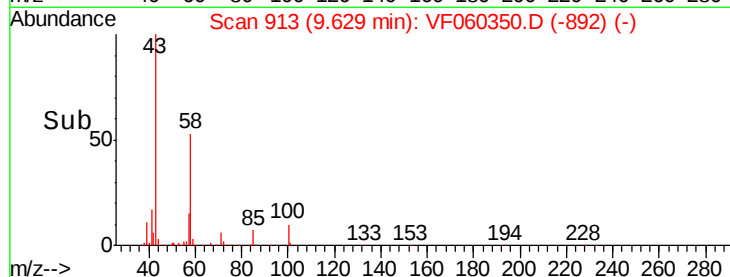
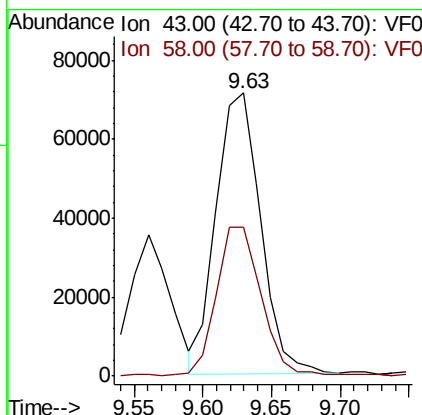
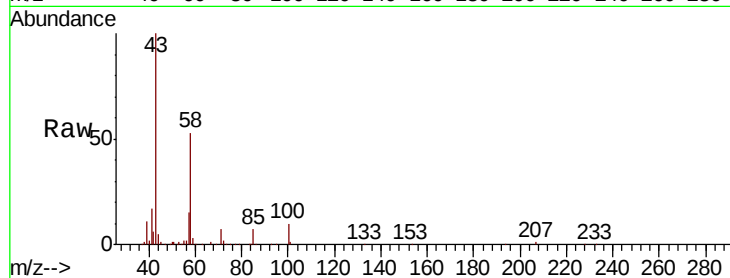
#59
2-Hexanone
Concen: 113.798 ug/l
RT: 9.63 min Scan# 913
Delta R.T. 0.01 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Instrument :
MSVOA_F
ClientSampleId :
VF0926SBS01

Tot Ion: 43 Resp: 160056
Ion Ratio Lower Upper
43 100
58 52.6 25.9 77.6

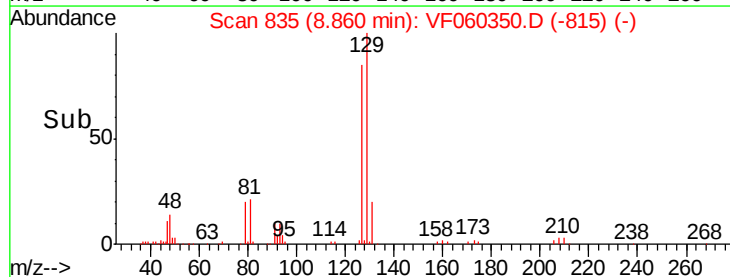
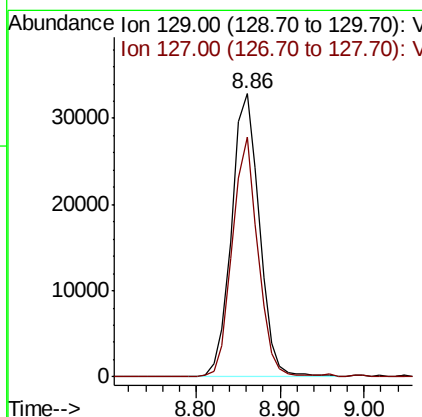
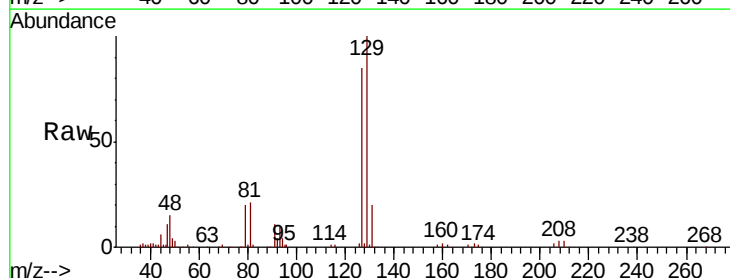
Manual Integrations
APPROVED

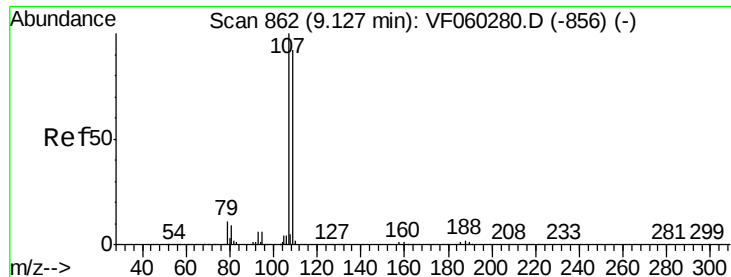
apatel
9/27/2018 9:56:19 AM



#60
Dibromochloromethane
Concen: 23.248 ug/l
RT: 8.86 min Scan# 835
Delta R.T. -0.00 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Tgt Ion: 129 Resp: 75902
Ion Ratio Lower Upper
129 100
127 84.9 36.6 109.8





#61

1,2-Dibromoethane

Concen: 22.731 ug/l

RT: 9.13 min Scan# 862

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBSD01

Tot Ion: 107 Resp: 55448

Ion Ratio Lower Upper

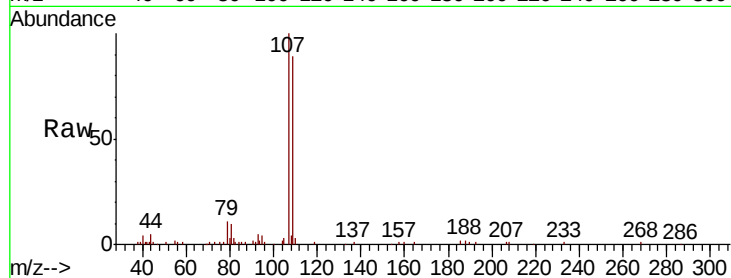
107 100

109 89.3 73.2 109.8

Manual Integrations
APPROVED

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.13

25000

20000

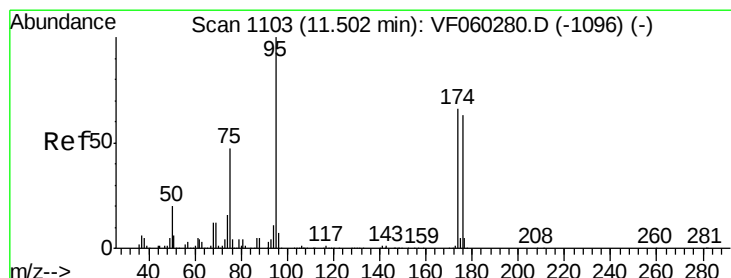
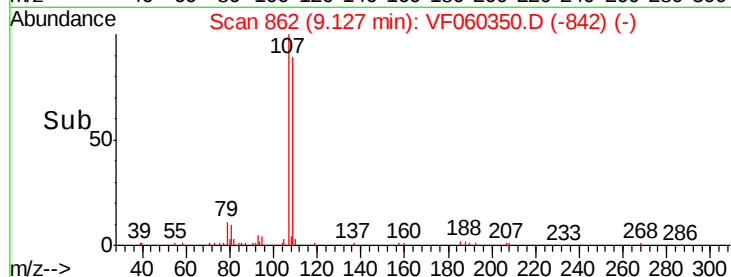
15000

10000

5000

0

Time--> 9.00 9.10 9.20



#62

4-Bromofluorobenzene

Concen: 49.263 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

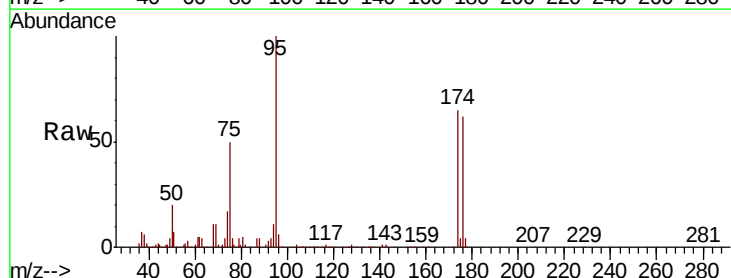
Tgt Ion: 95 Resp: 199408

Ion Ratio Lower Upper

95 100

174 65.1 0.0 131.2

176 62.3 0.0 126.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

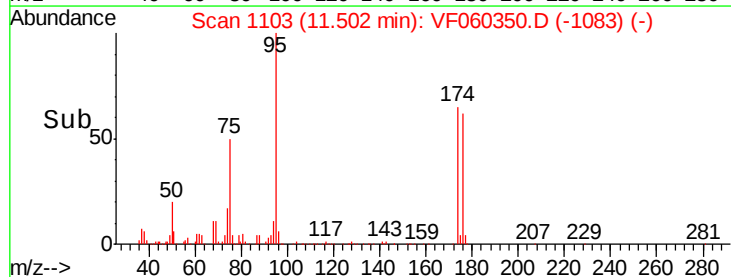
150000

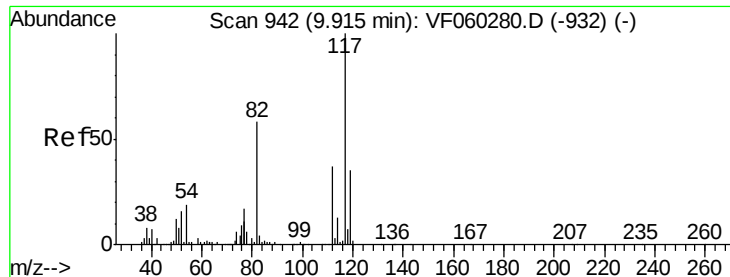
100000

50000

0

Time--> 11.40 11.50 11.60 11.70





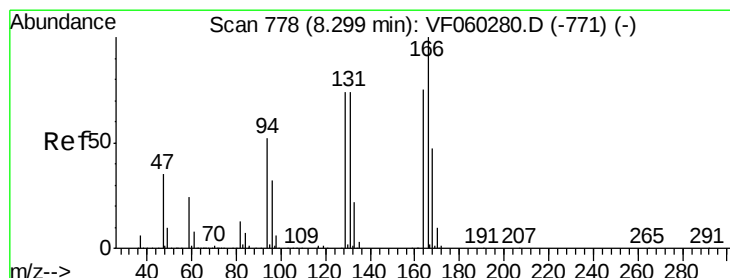
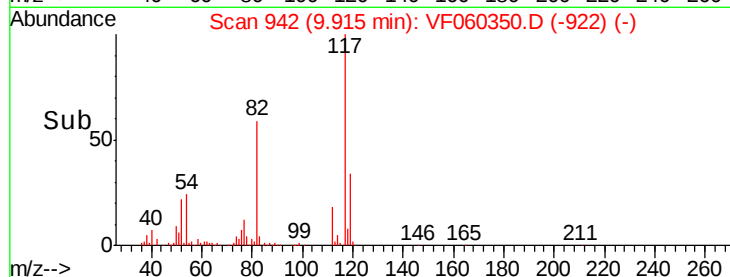
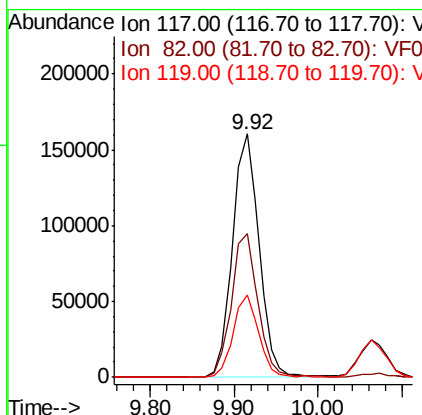
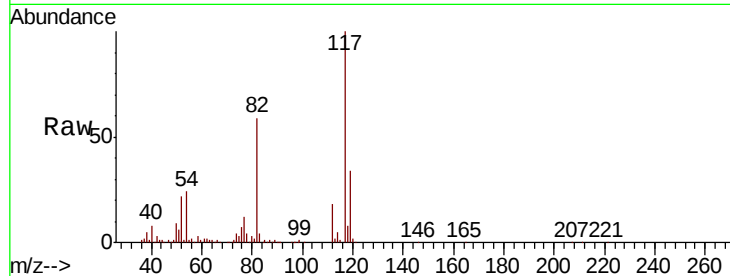
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.00 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Instrument :
MSVOA_F
ClientSampleId :
VF0926SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.0	46.2	69.2
119	33.6	27.8	41.6

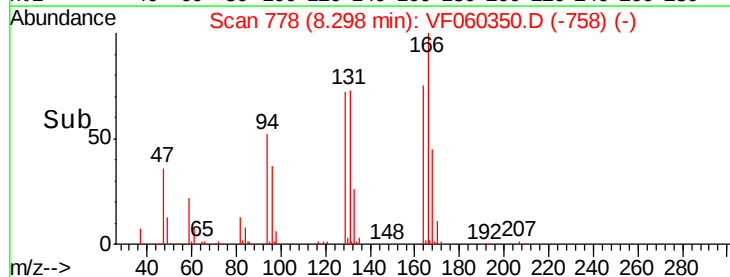
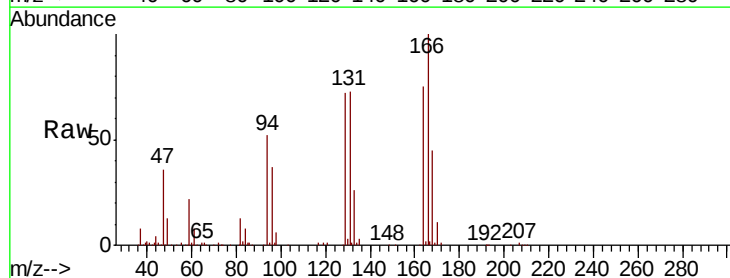
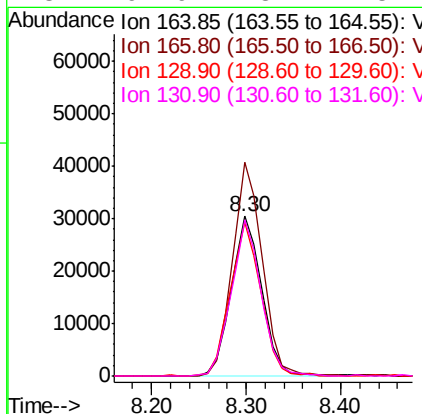
Manual Integrations
APPROVED

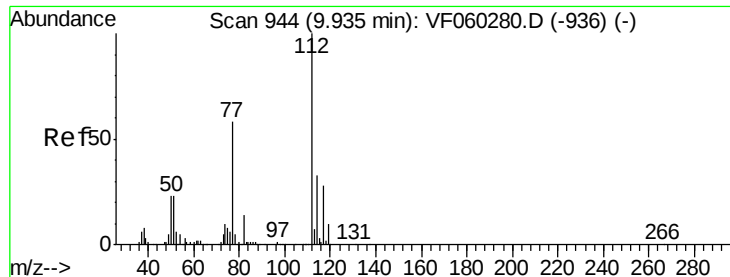
apatel
9/27/2018 9:56:19 AM



#64
Tetrachloroethene
Concen: 21.174 ug/l
RT: 8.30 min Scan# 778
Delta R.T. -0.00 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.9	106.8	160.2
129	96.5	78.8	118.2
131	97.9	78.7	118.1





#65

Chlorobenzene

Concen: 22.867 ug/l

RT: 9.93 min Scan# 944

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

Tot Ion:112 Resp: 183893

Ion Ratio Lower Upper

112 100

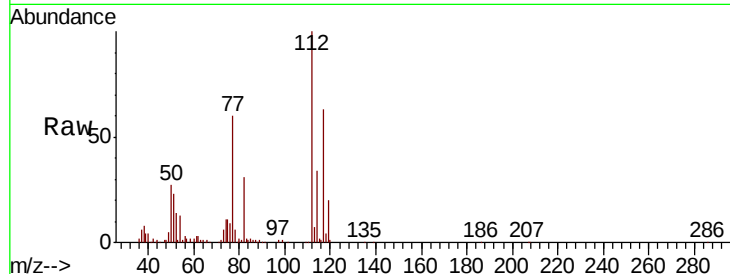
114 33.5 26.6 40.0

Manual Integrations

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

100000

80000

60000

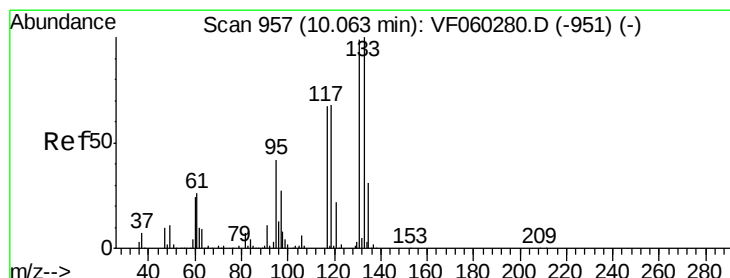
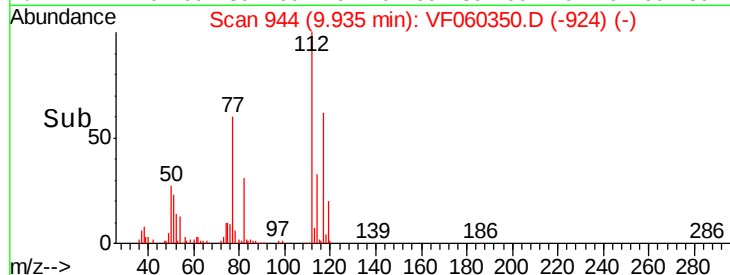
40000

20000

0

9.80 9.90 10.00

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 24.179 ug/l

RT: 10.06 min Scan# 957

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

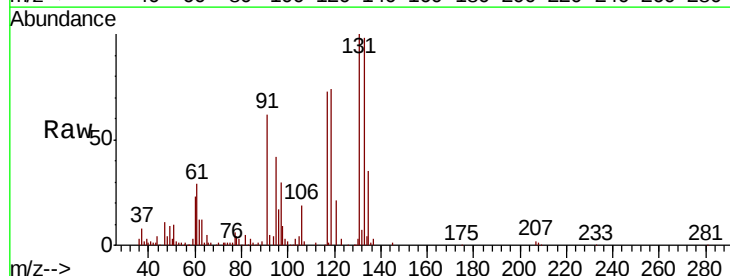
Tgt Ion:131 Resp: 80694

Ion Ratio Lower Upper

131 100

133 97.9 50.4 151.2

119 74.4 34.8 104.3



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

60000

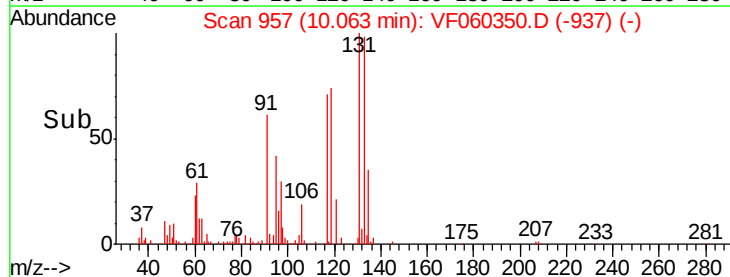
40000

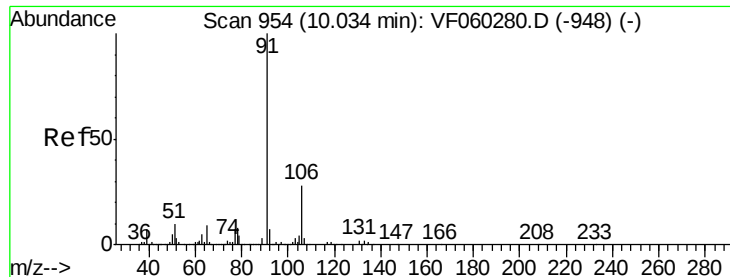
20000

0

10.00 10.10

Time-->





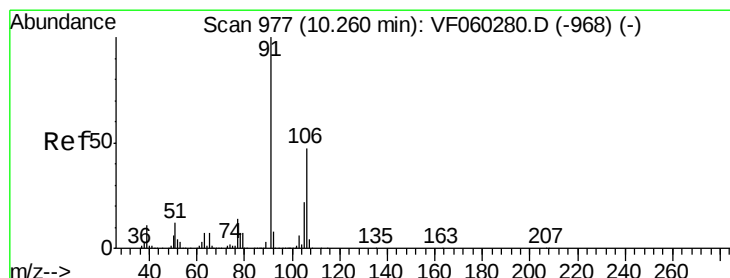
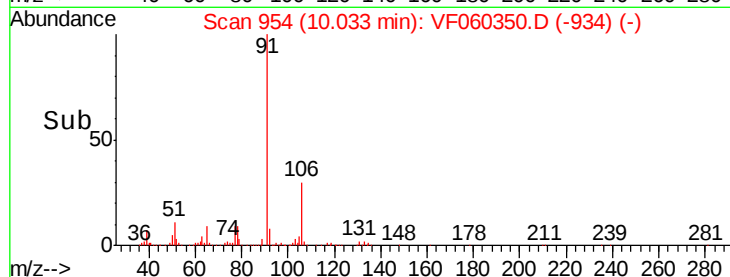
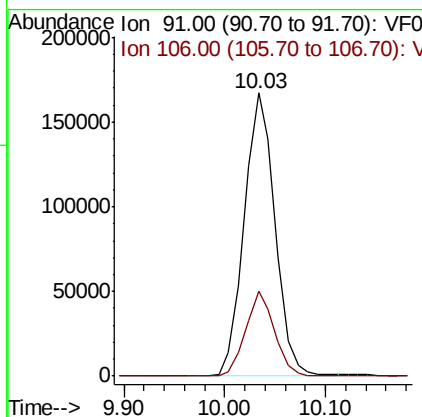
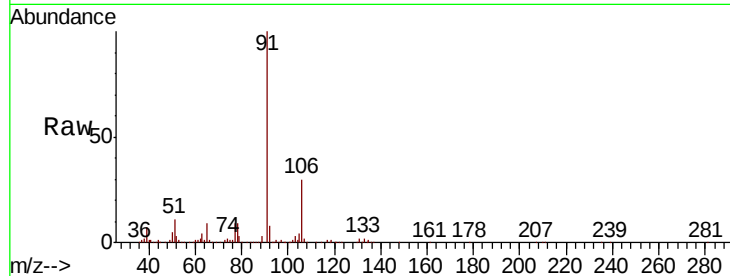
#67
Ethyl Benzene
Concen: 23.902 ug/l
RT: 10.03 min Scan# 954
Delta R.T. -0.00 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Instrument :
MSVOA_F
ClientSampleId :
VF0926SBS01

Tot Ion: 91 Resp: 355394
Ion Ratio Lower Upper
91 100
106 30.1 22.7 34.1

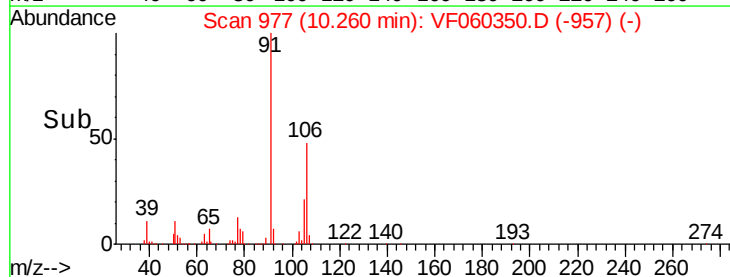
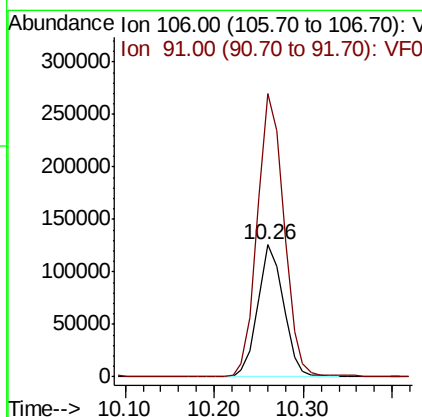
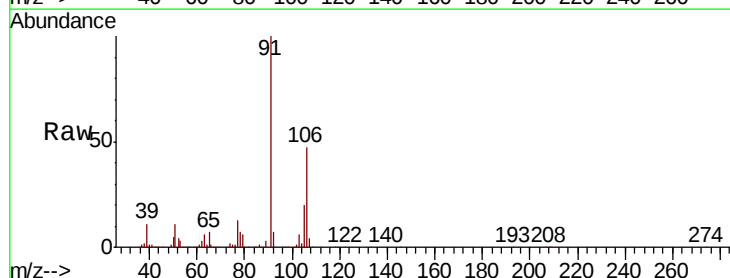
Manual Integrations
APPROVED

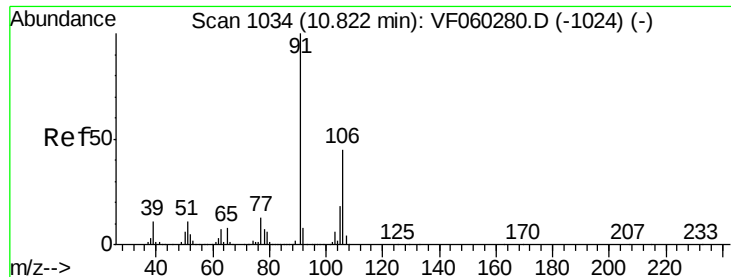
apatel
9/27/2018 9:56:19 AM



#68
m/p-Xylenes
Concen: 49.118 ug/l
RT: 10.26 min Scan# 977
Delta R.T. -0.00 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Tgt Ion: 106 Resp: 252321
Ion Ratio Lower Upper
106 100
91 214.5 172.3 258.5





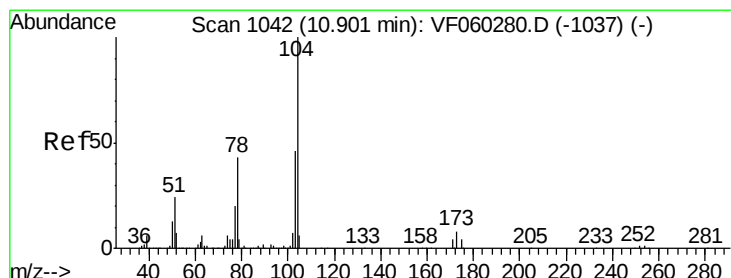
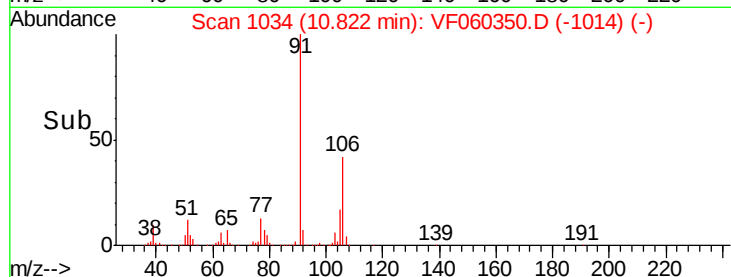
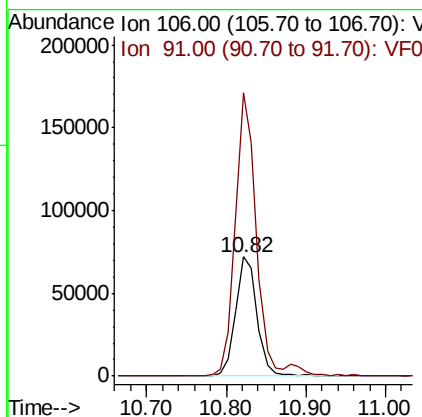
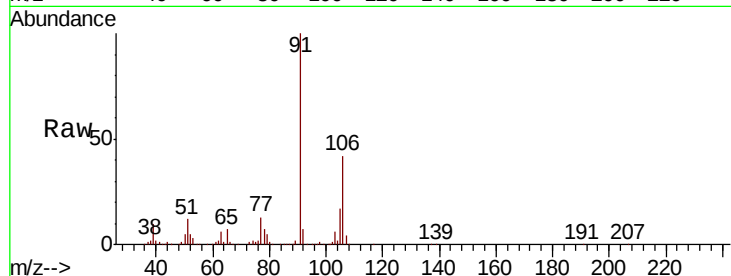
#69
o-Xylene
Concen: 23.530 ug/l
RT: 10.82 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Instrument :
MSVOA_F
ClientSampleId :
VF0926SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	237.8	110.9	332.6	

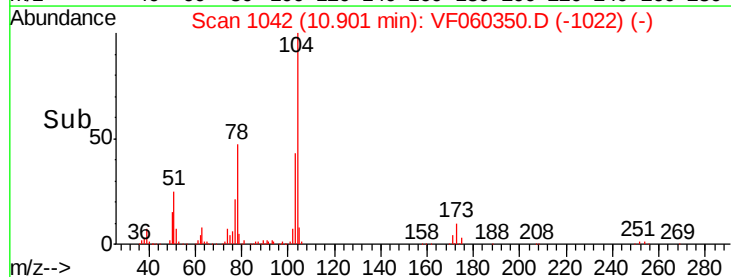
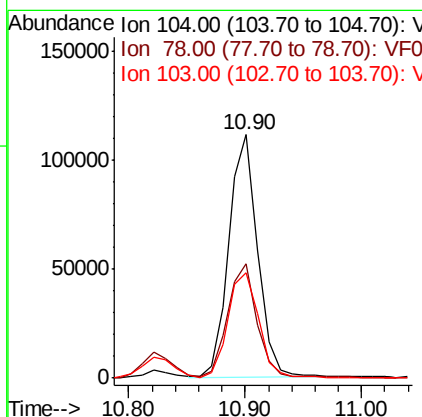
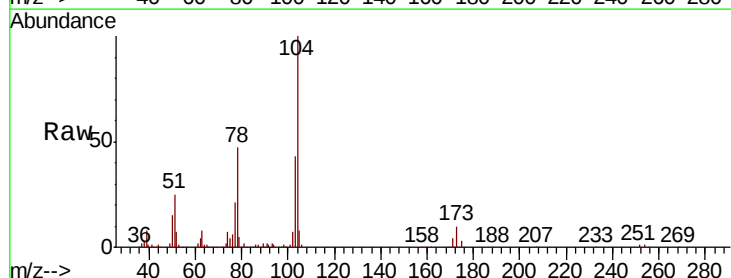
Manual Integrations
APPROVED

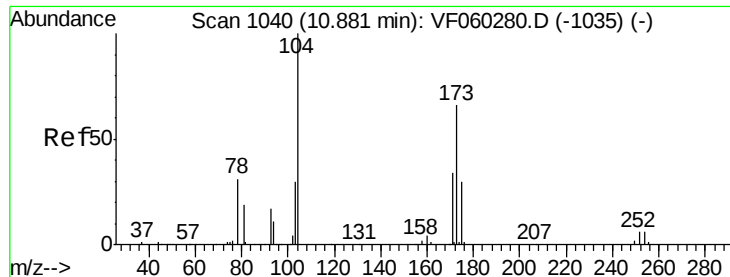
apatel
9/27/2018 9:56:19 AM



#70
Styrene
Concen: 23.490 ug/l
RT: 10.90 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	46.9	35.0	52.6	
103	43.0	37.4	56.0	





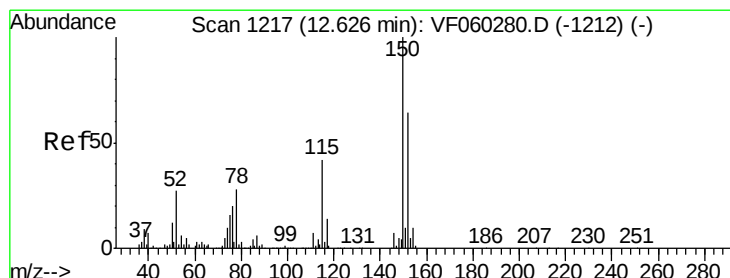
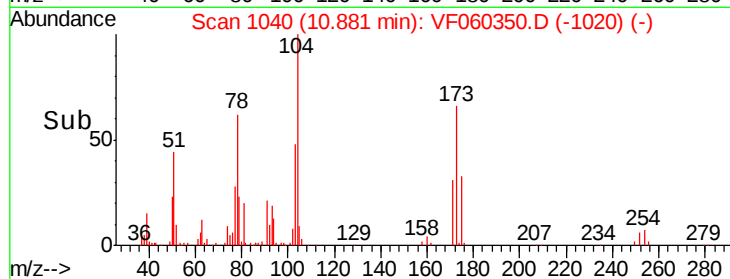
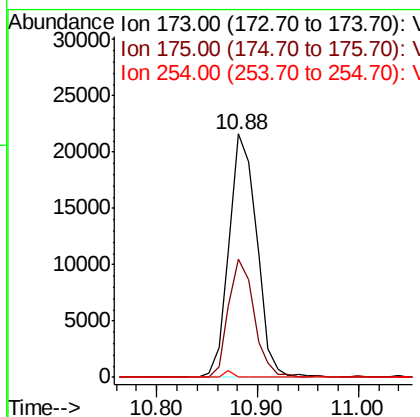
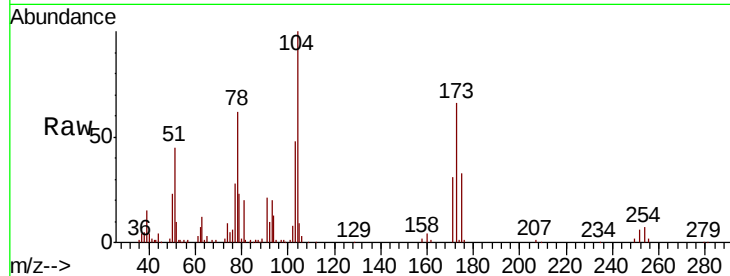
#71
Bromoform
Concen: 22.491 ug/l
RT: 10.88 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Instrument :
MSVOA_F
ClientSampleId :
VF0926SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	22.3	66.9
254	0.0	0.0	0.0

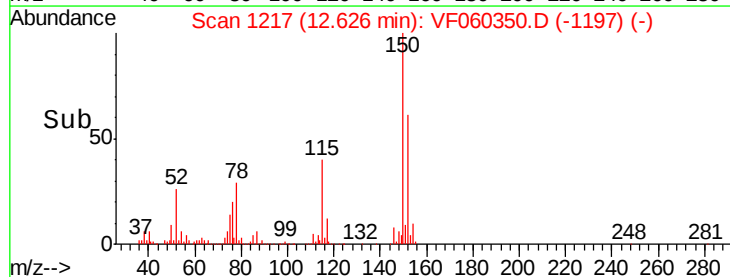
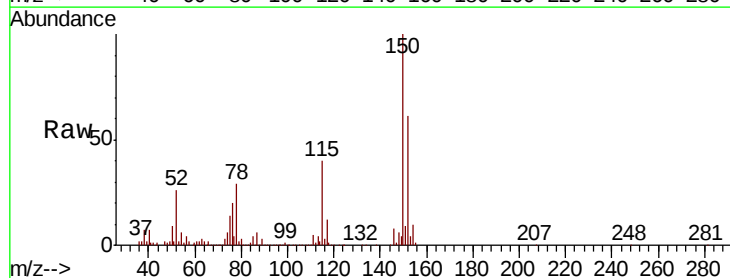
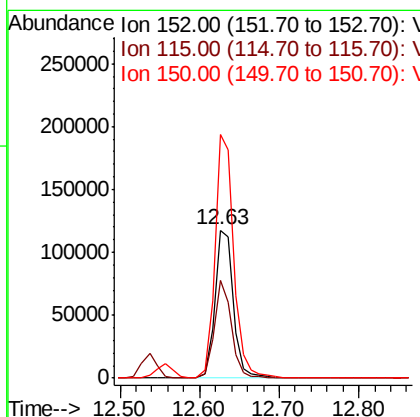
Manual Integrations
APPROVED

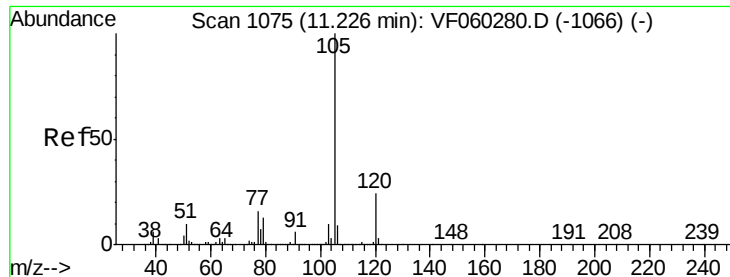
apatel
9/27/2018 9:56:19 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1217
Delta R.T. -0.00 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.2	32.6	97.8
150	164.5	0.0	314.2





#73

Isopropylbenzene

Concen: 23.252 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

Tot Ion: 105 Resp: 401758

Ion Ratio Lower Upper

105 100

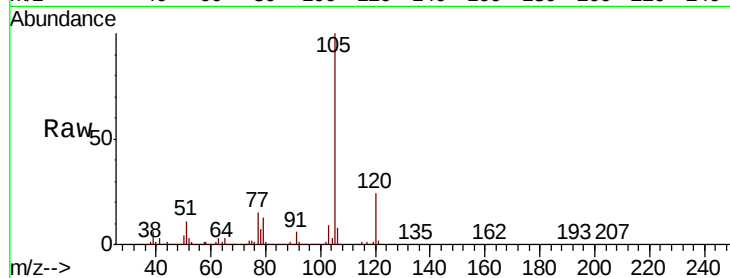
120 24.2 12.2 36.6

Manual Integrations

APPROVED

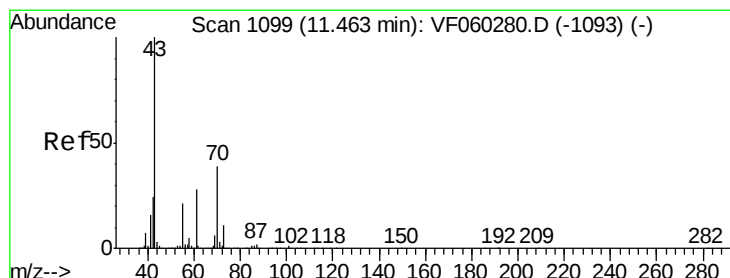
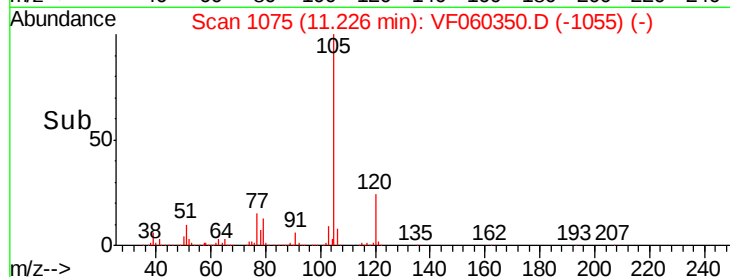
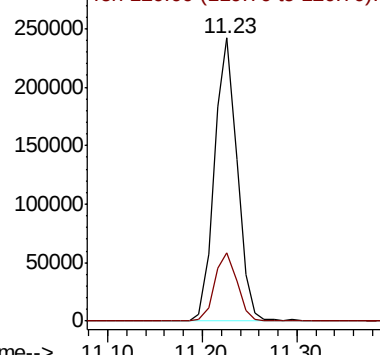
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 25.848 ug/l

RT: 11.46 min Scan# 1099

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Tgt Ion: 43 Resp: 95237

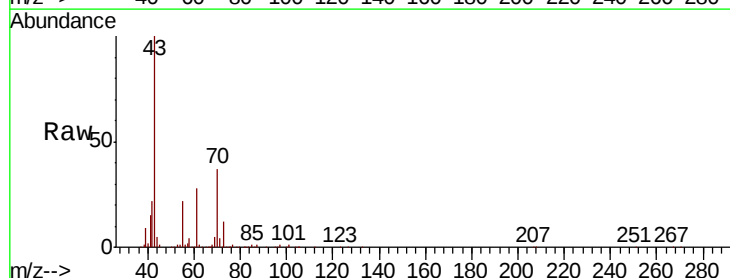
Ion Ratio Lower Upper

43 100

70 36.6 31.4 47.2

55 21.5 16.8 25.2

61 28.0 22.6 34.0

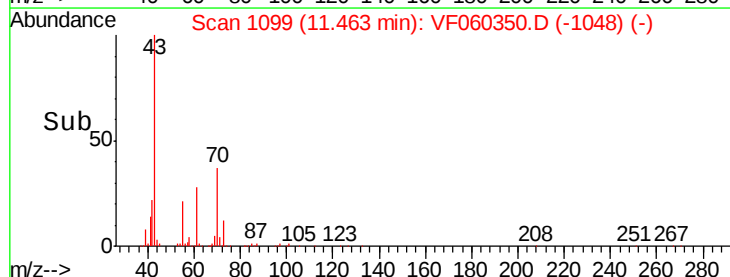
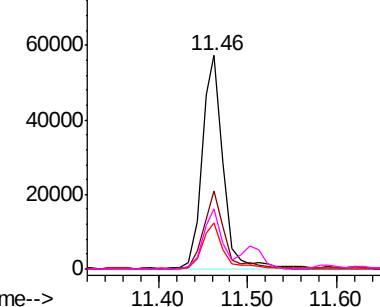


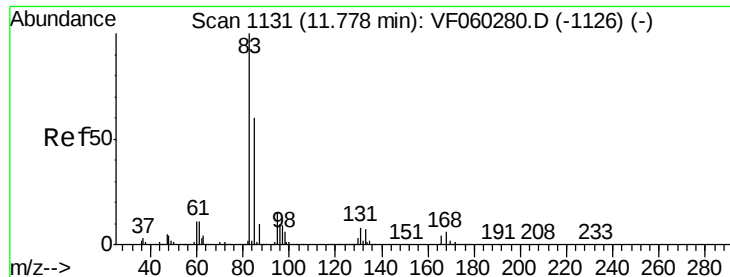
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.215 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

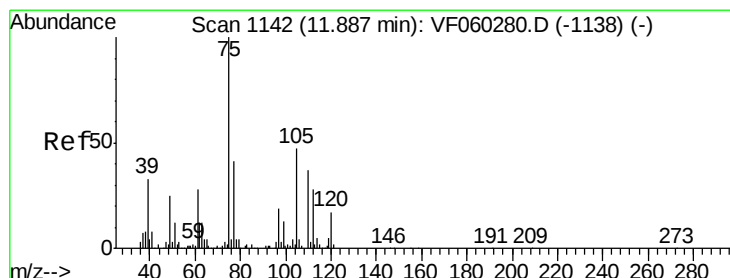
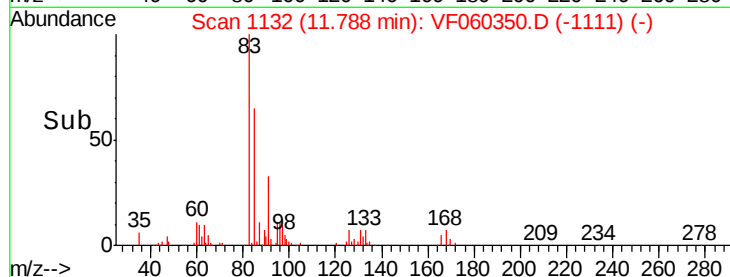
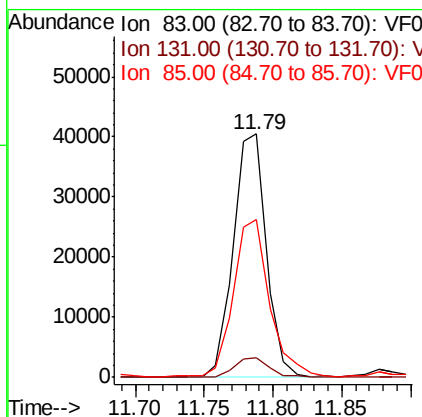
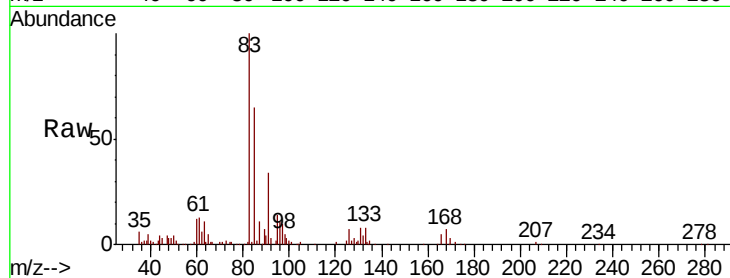
ClientSampleId :

VF0926SBS01

Tot Ion:	83	Resp:	68027
Ion Ratio	Lower	Upper	
83	100		
131	8.1	4.2	12.4
85	64.7	30.1	90.5

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#76

1,2,3-Trichloropropane

Concen: 22.198 ug/l

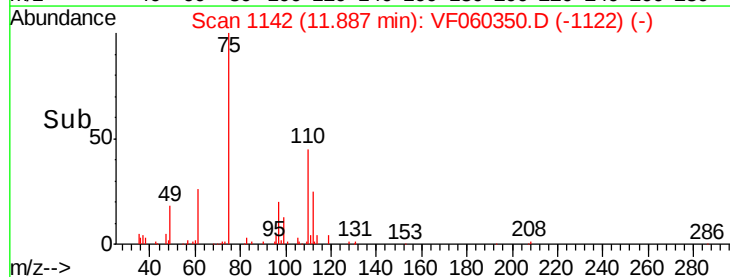
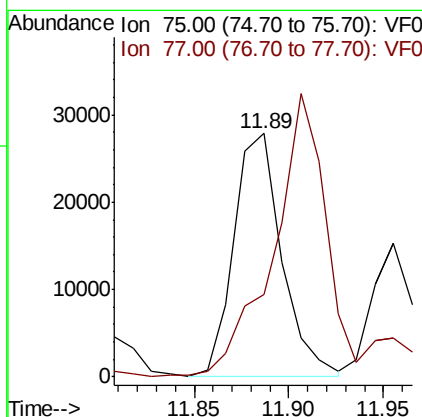
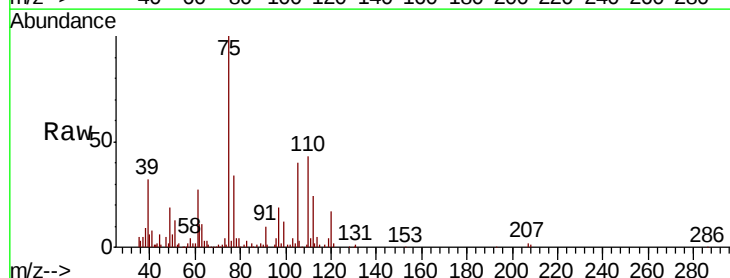
RT: 11.89 min Scan# 1142

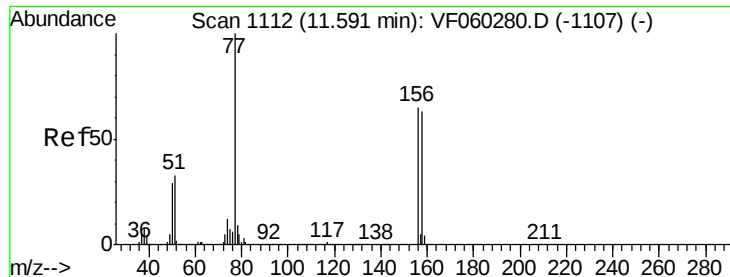
Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Tgt Ion:	75	Resp:	48670
Ion Ratio	Lower	Upper	
75	100		
77	34.1	20.5	61.5





#77

Bromobenzene

Concen: 22.714 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

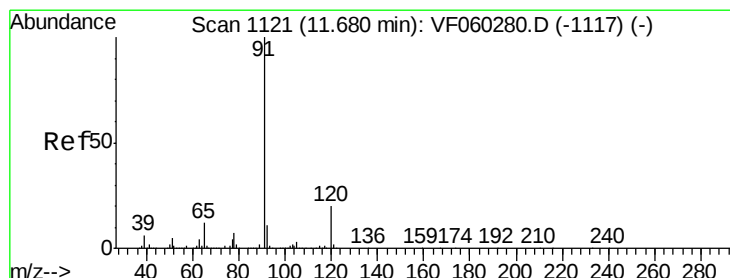
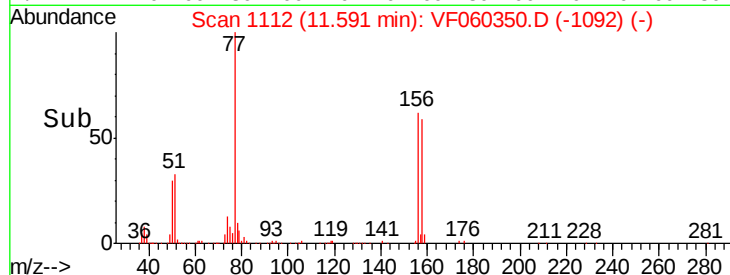
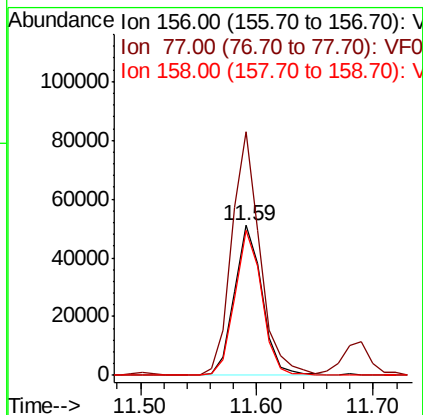
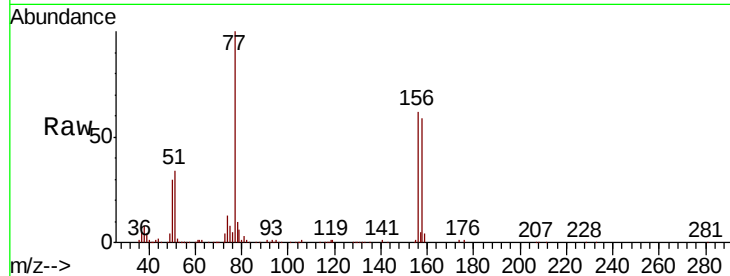
ClientSampleId :

VF0926SBSD01

Tot Ion:	156	Resp:	84581
Ion	Ratio	Lower	Upper
156	100		
77	162.5	77.3	232.1
158	96.6	48.4	145.2

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#78

n-propylbenzene

Concen: 22.433 ug/l

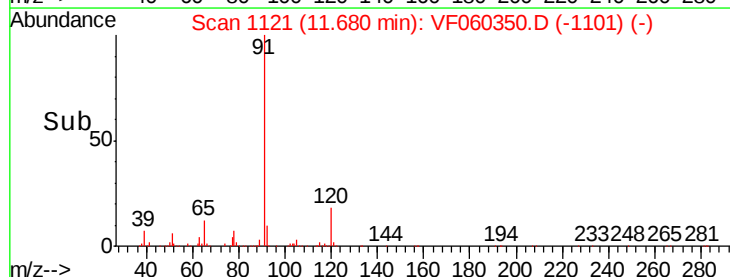
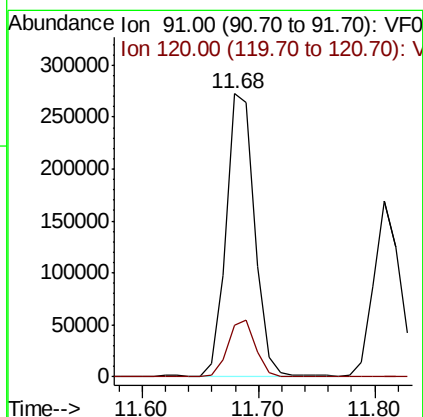
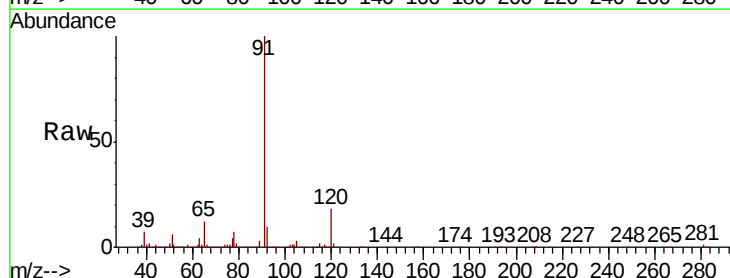
RT: 11.68 min Scan# 1121

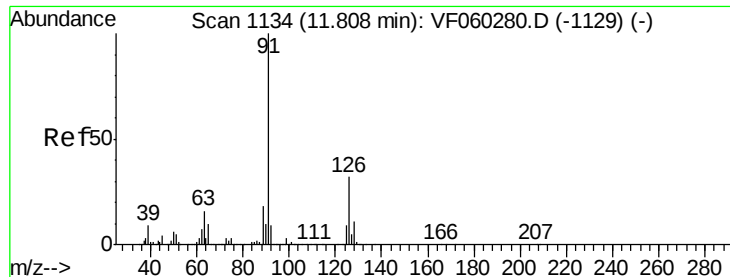
Delta R.T. 0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Tgt Ion:	91	Resp:	460361
Ion	Ratio	Lower	Upper
91	100		
120	18.3	10.0	29.8





#79

2-Chlorotoluene

Concen: 22.523 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBSD01

Tot Ion: 91 Resp: 262516

Ion Ratio Lower Upper

91 100

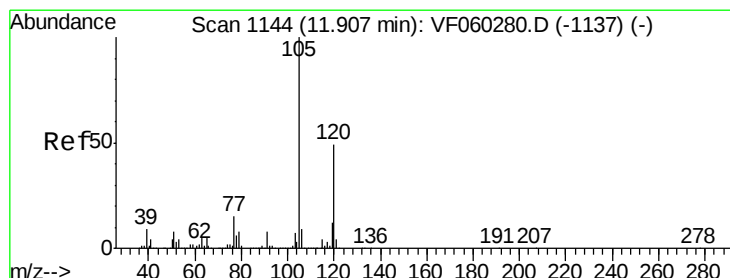
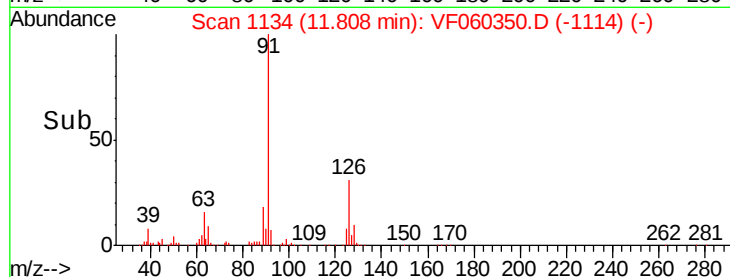
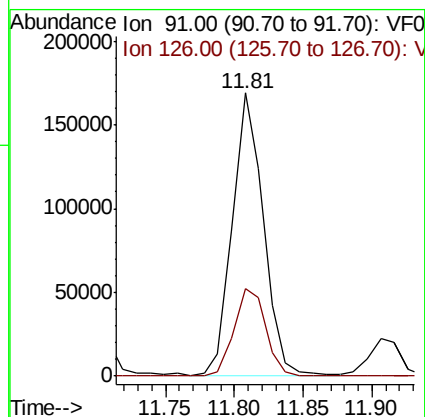
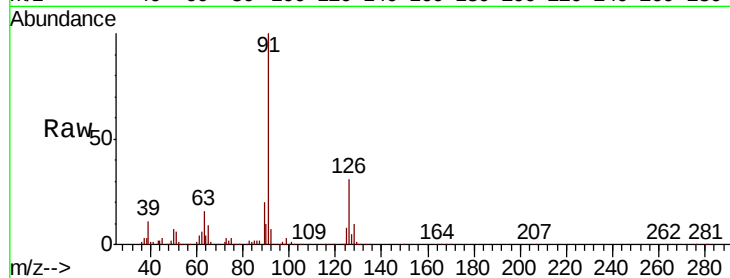
126 30.9 16.1 48.3

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#80

1,3,5-Trimethylbenzene

Concen: 23.621 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VF060350.D

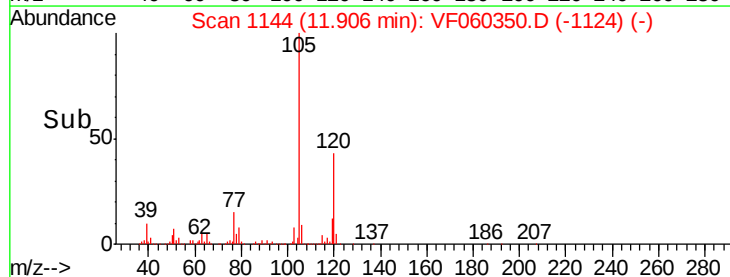
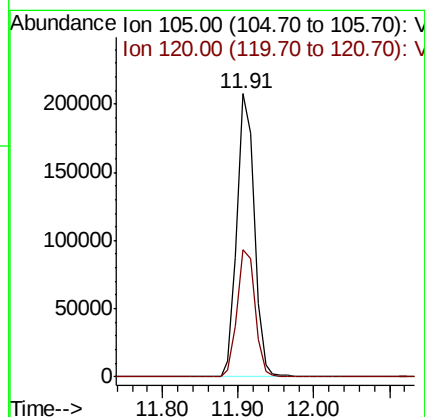
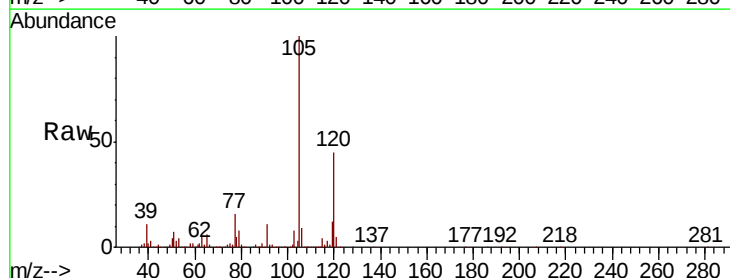
Acq: 26 Sep 2018 14:29

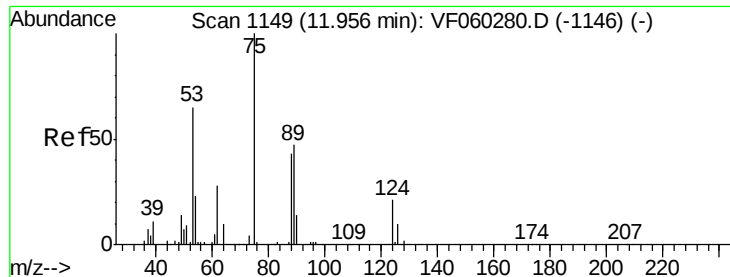
Tgt Ion:105 Resp: 328542

Ion Ratio Lower Upper

105 100

120 45.1 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.587 ug/l m

RT: 11.96 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

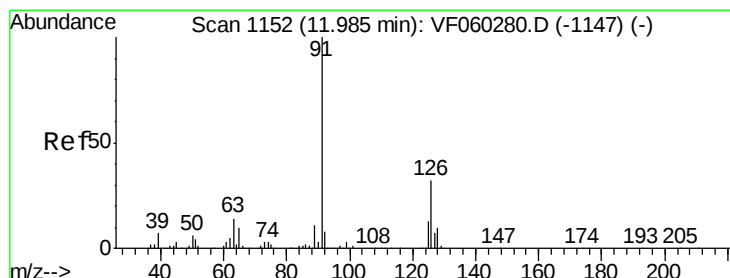
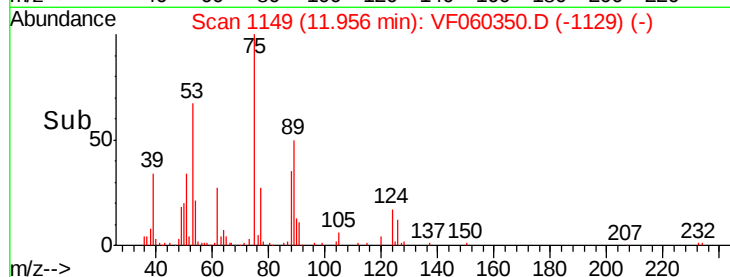
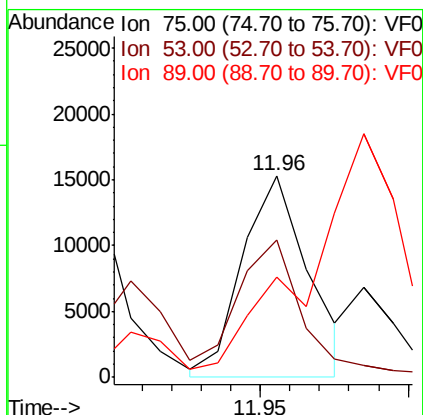
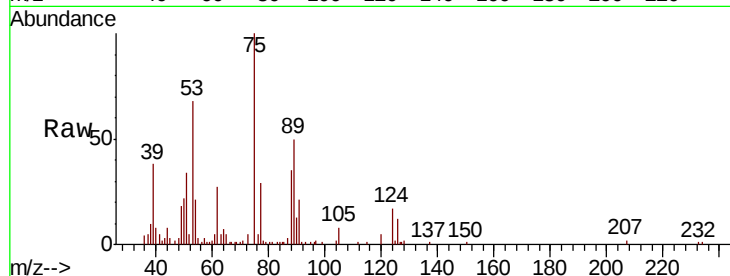
ClientSampleId :

VF0926SBSD01

Tot Ion:	75	Resp:	23854
Ion	Ratio	Lower	Upper
75	100		
53	67.8	56.5	84.7
89	49.7	40.6	60.8

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#82

4-Chlorotoluene

Concen: 22.798 ug/l

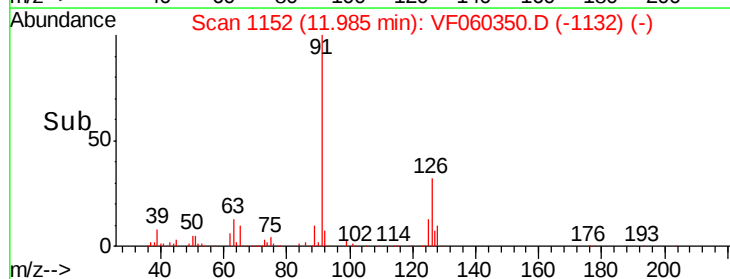
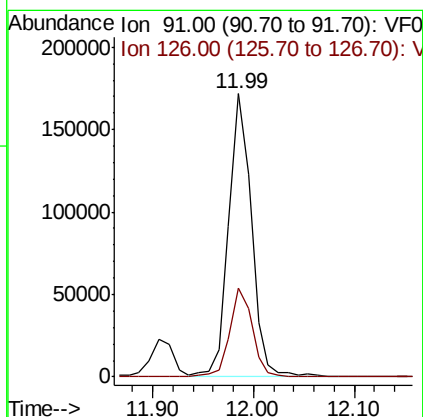
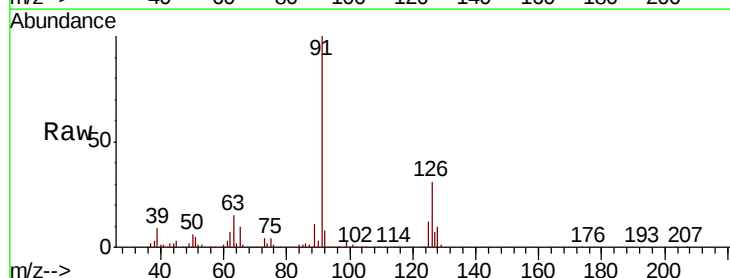
RT: 11.99 min Scan# 1152

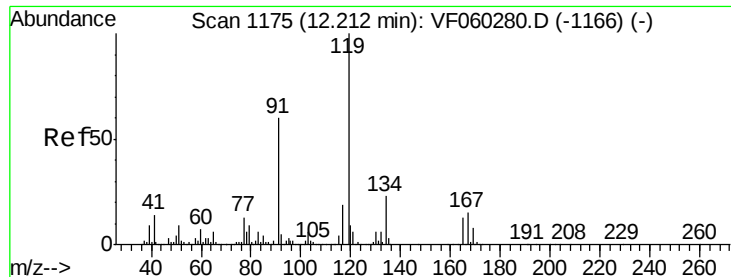
Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Tgt Ion:	91	Resp:	267072
Ion	Ratio	Lower	Upper
91	100		
126	31.3	16.1	48.2





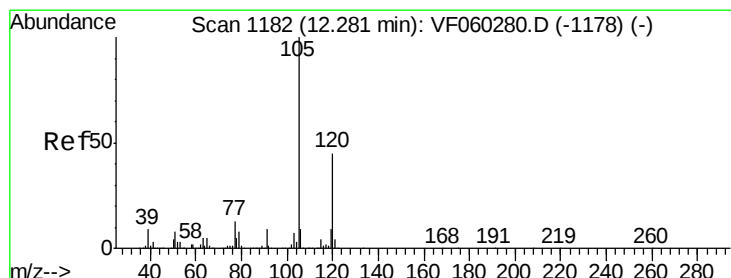
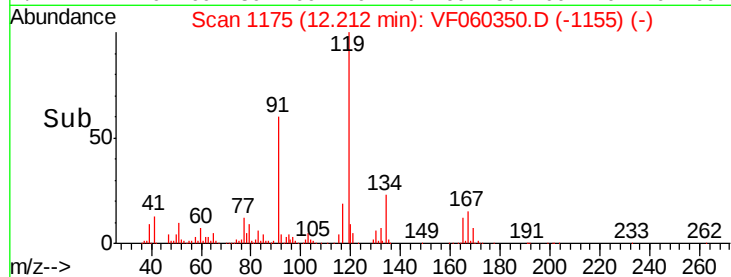
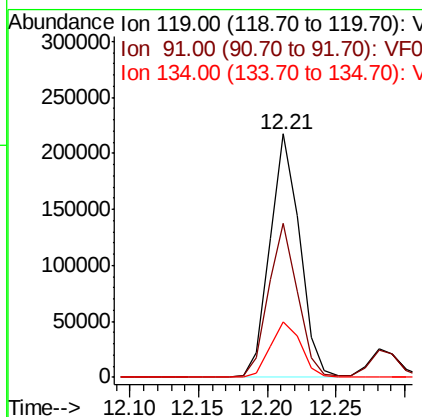
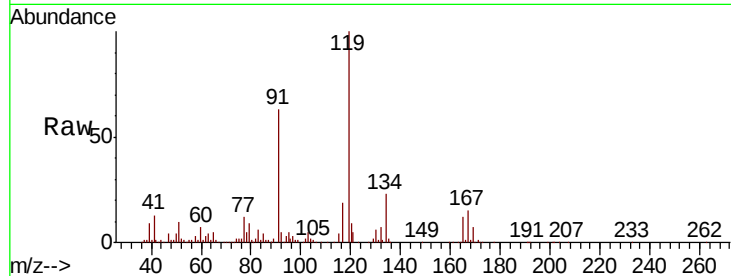
#83
 tert-Butylbenzene
 Concen: 23.182 ug/l
 RT: 12.21 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VF060350.D
 Acq: 26 Sep 2018 14:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0926SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	326845		
91	63.3	30.3	91.0	
134	22.7	11.6	34.8	

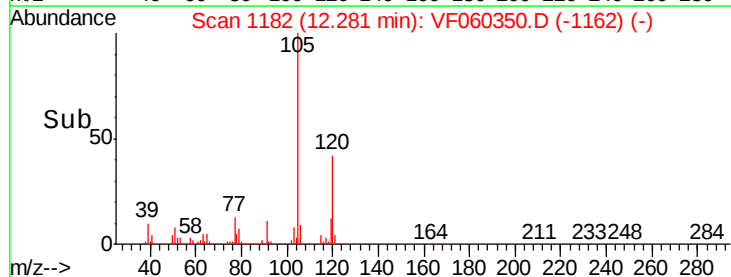
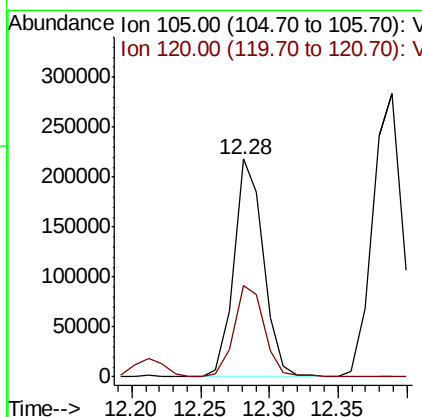
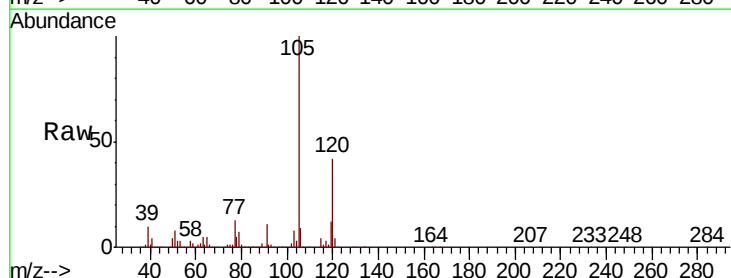
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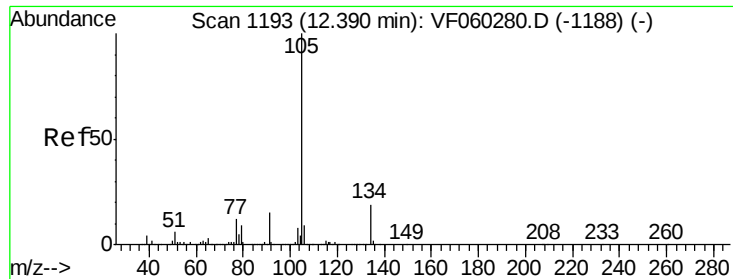
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#84
 1,2,4-Trimethylbenzene
 Concen: 23.044 ug/l
 RT: 12.28 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VF060350.D
 Acq: 26 Sep 2018 14:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	325456		
120	42.0	22.4	67.0	





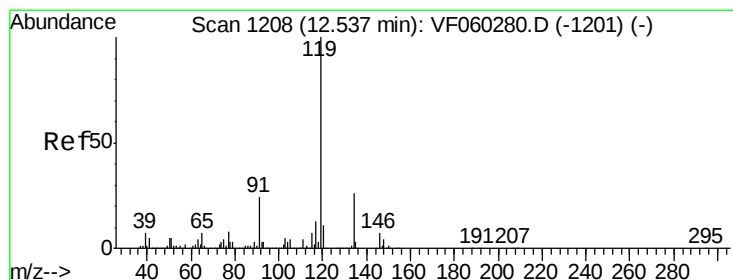
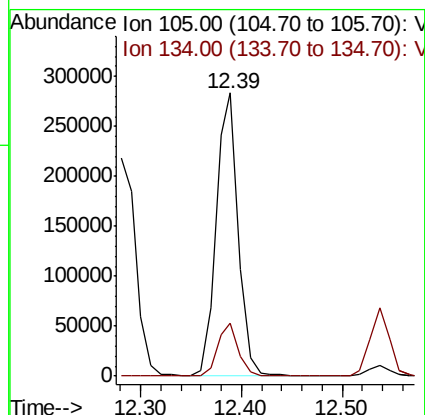
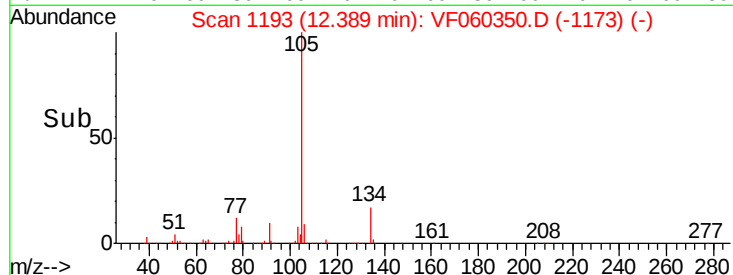
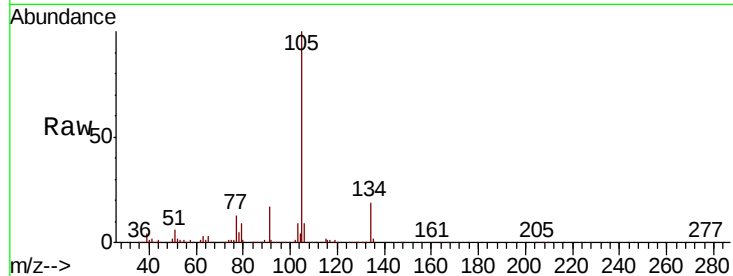
#85
 sec-Butylbenzene
 Concen: 21.519 ug/l
 RT: 12.39 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VF060350.D
 Acq: 26 Sep 2018 14:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0926SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.7	9.6	28.6

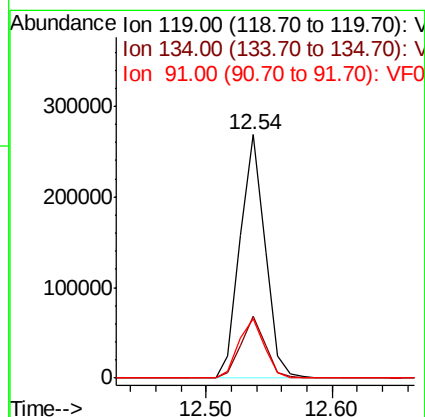
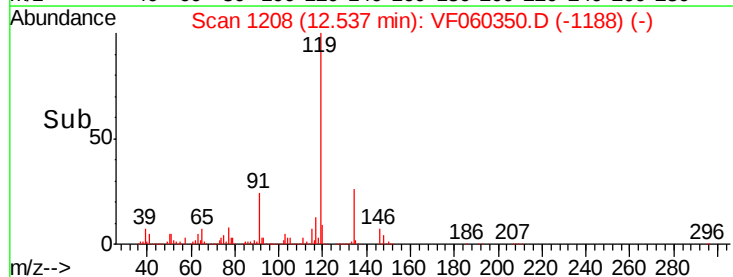
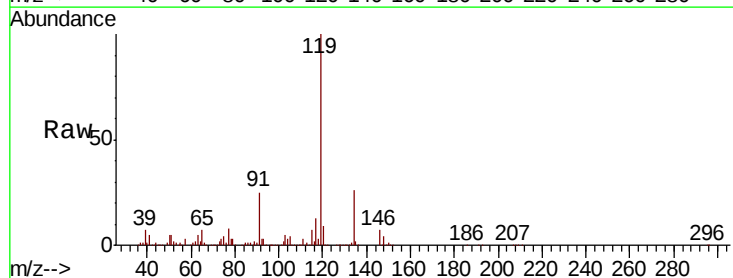
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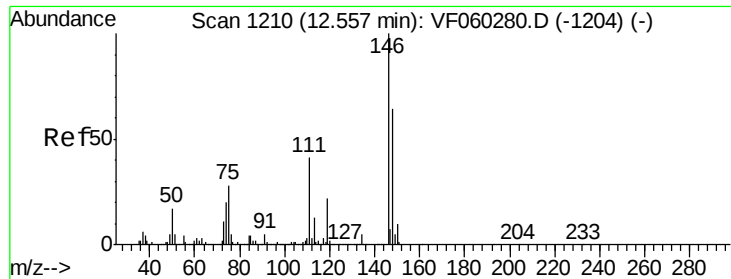
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#86
 p-Isopropyltoluene
 Concen: 24.054 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. 0.00 min
 Lab File: VF060350.D
 Acq: 26 Sep 2018 14:29

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.9	38.7
91	24.6	11.9	35.7





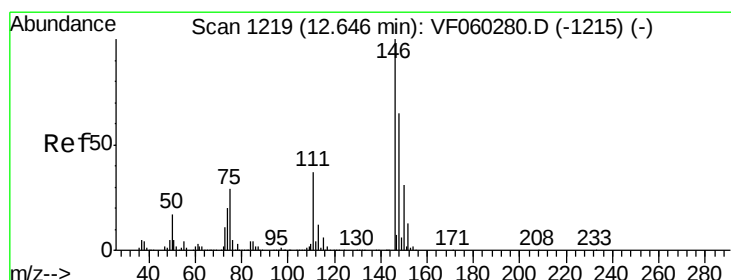
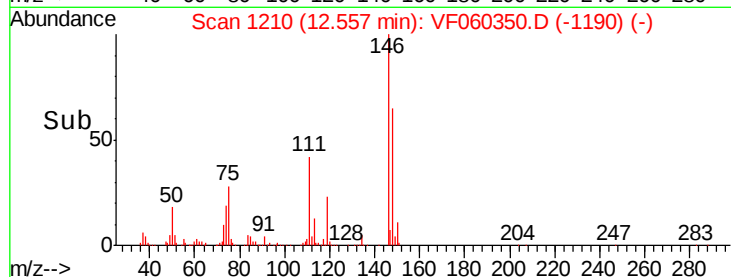
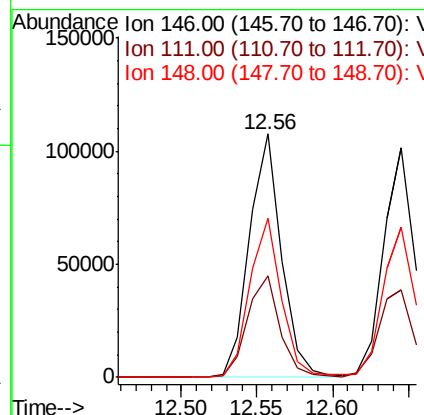
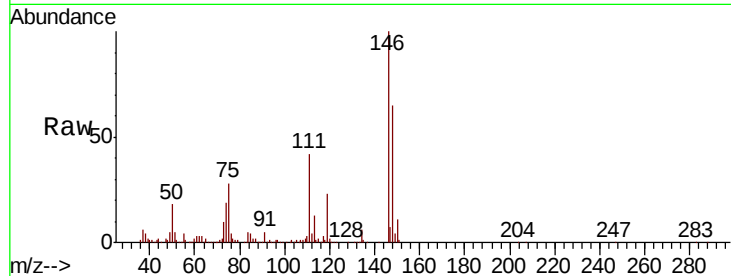
#87
 1,3-Dichlorobenzene
 Concen: 22.877 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF060350.D
 Acq: 26 Sep 2018 14:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0926SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	159188		
111	41.9	20.5	61.6	
148	65.1	32.2	96.6	

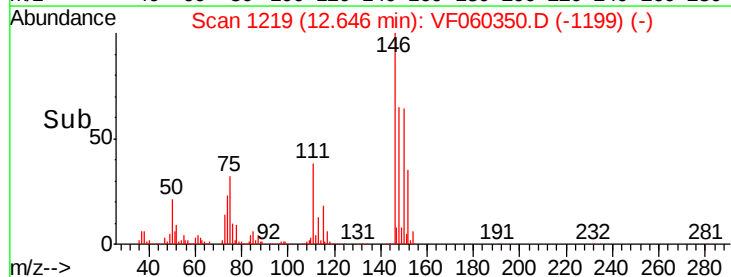
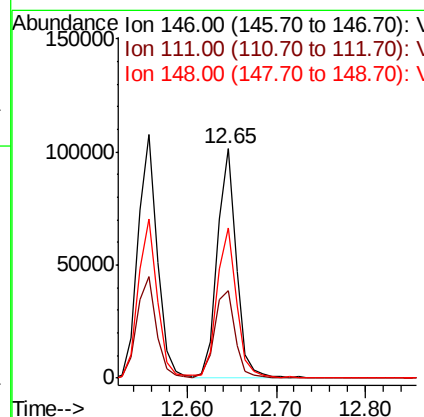
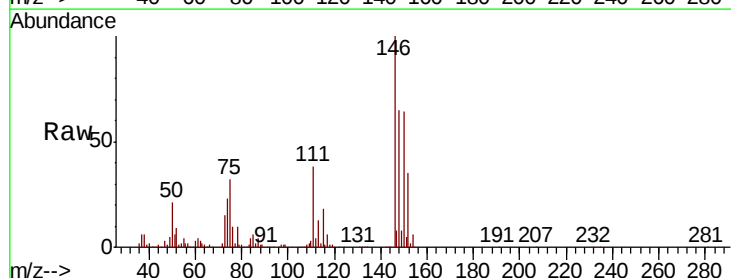
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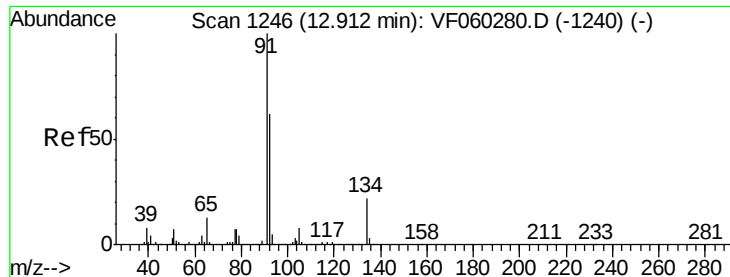
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#88
 1,4-Dichlorobenzene
 Concen: 21.851 ug/l
 RT: 12.65 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF060350.D
 Acq: 26 Sep 2018 14:29

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	150283		
111	38.1	18.7	56.1	
148	65.5	32.4	97.0	





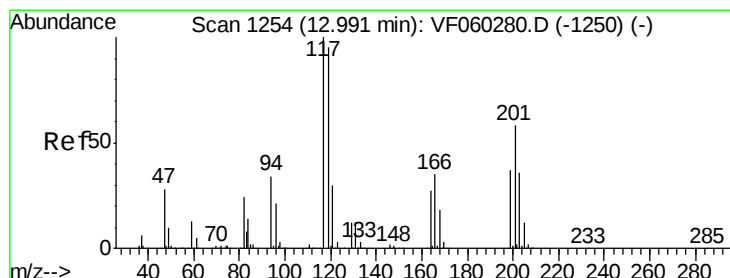
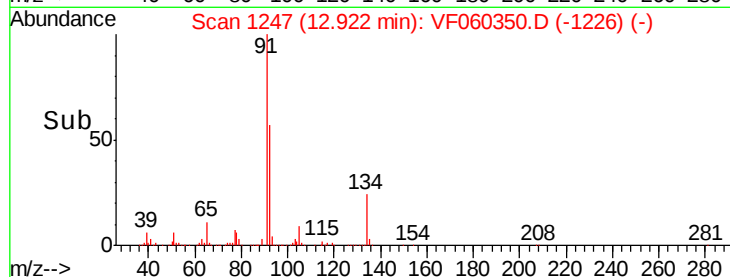
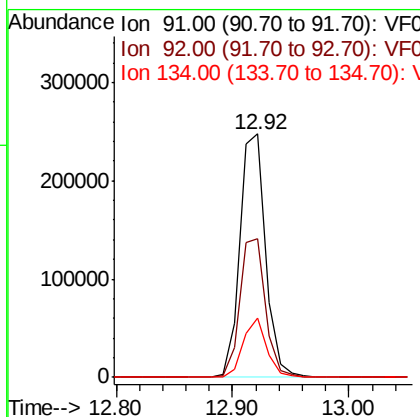
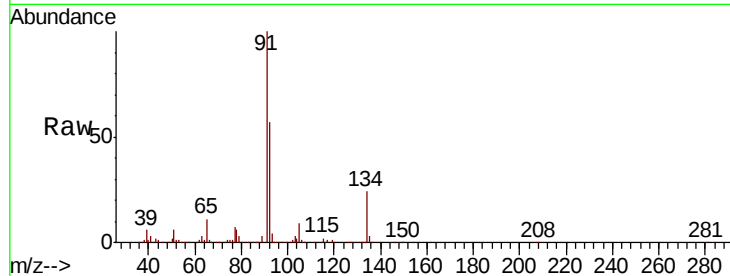
#89
n-Butylbenzene
Concen: 22.414 ug/l
RT: 12.92 min Scan# 1247
Delta R.T. 0.01 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Instrument :
MSVOA_F
ClientSampleId :
VF0926SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	379453		
92	56.8		31.1	93.5
134	24.1		11.0	33.0

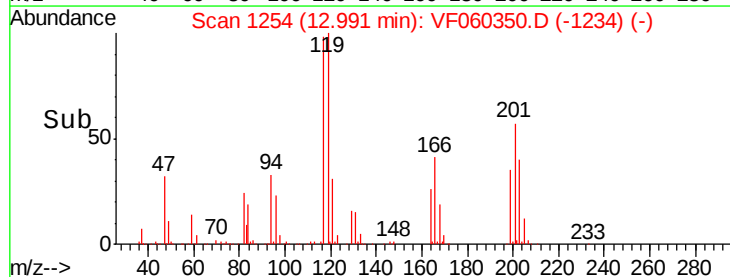
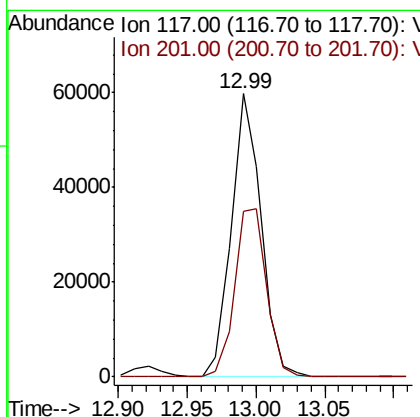
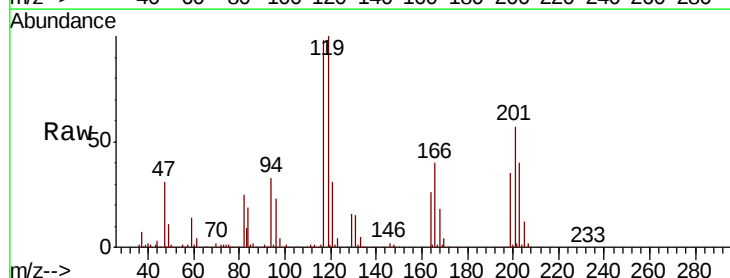
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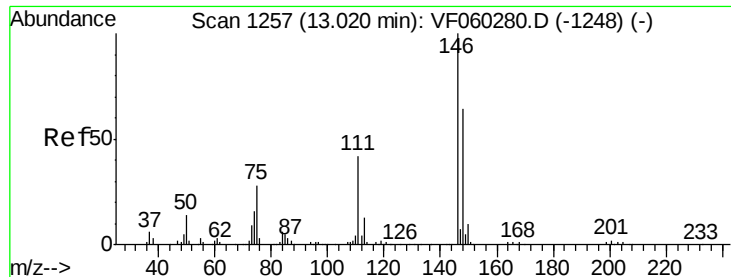
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#90
Hexachloroethane
Concen: 22.814 ug/l
RT: 12.99 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	90011		
201	60.3		29.0	87.0





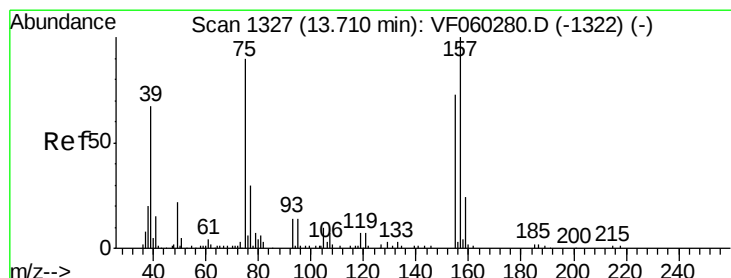
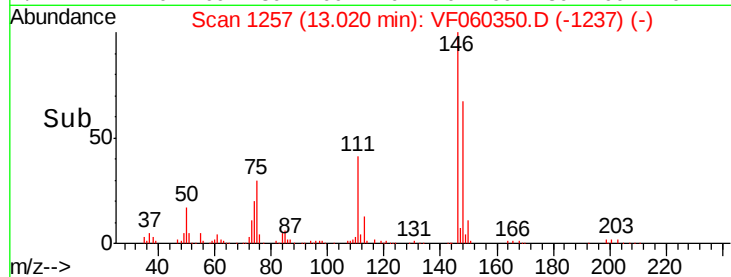
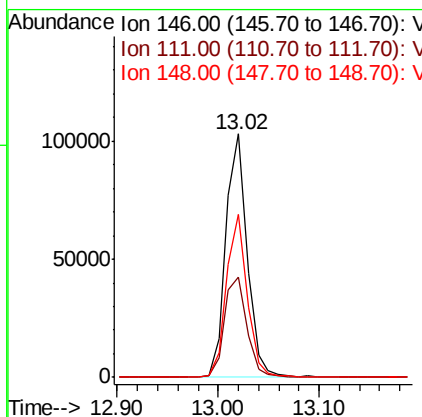
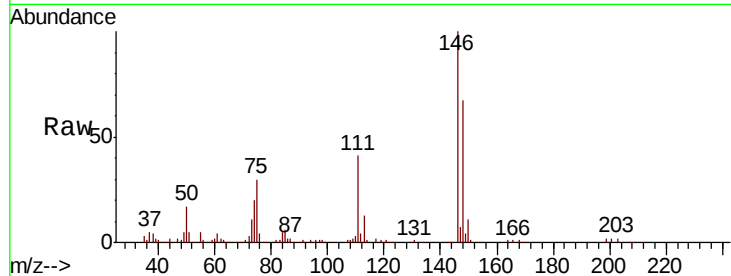
#91
 1,2-Dichlorobenzene
 Concen: 22.919 ug/l
 RT: 13.02 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VF060350.D
 Acq: 26 Sep 2018 14:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0926SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.9	62.8
148	67.0	31.9	95.9

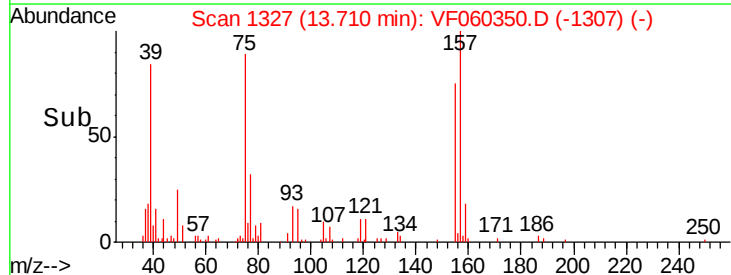
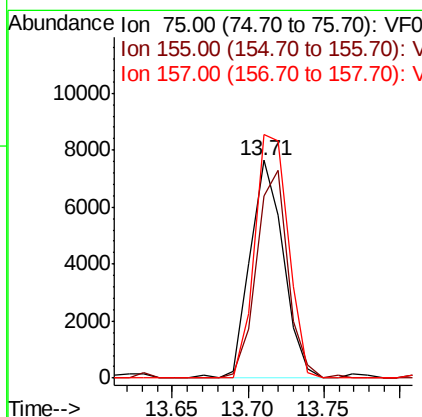
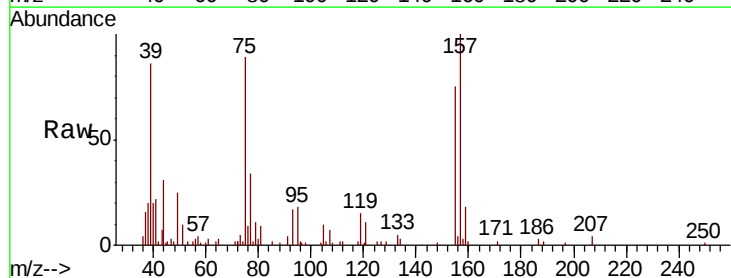
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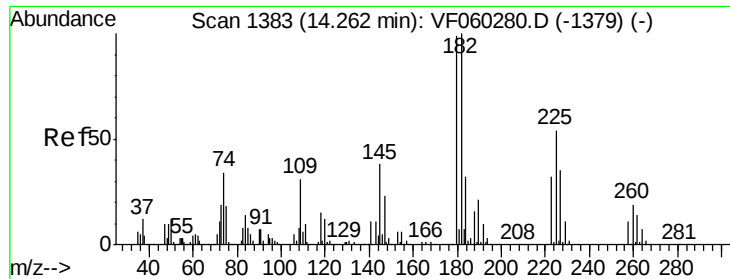
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.424 ug/l
 RT: 13.71 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VF060350.D
 Acq: 26 Sep 2018 14:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.3	41.9	125.7
157	111.8	57.4	172.0





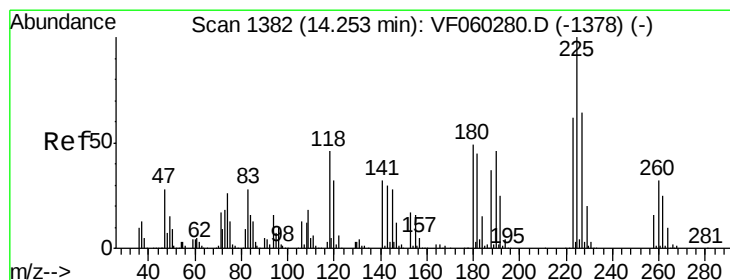
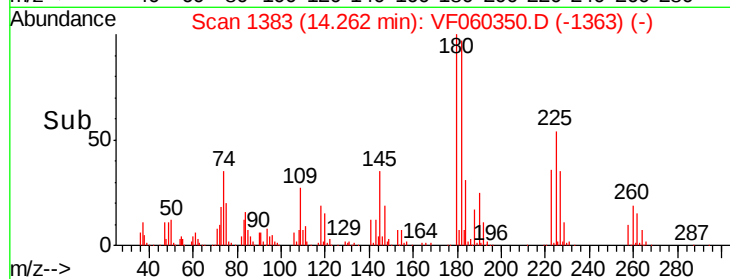
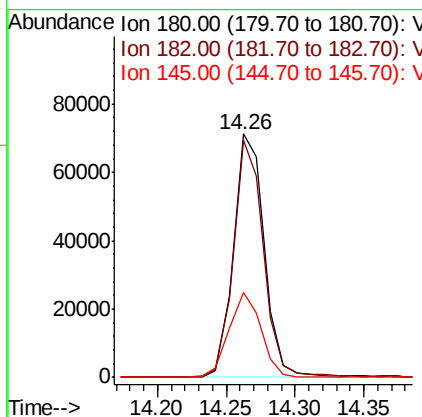
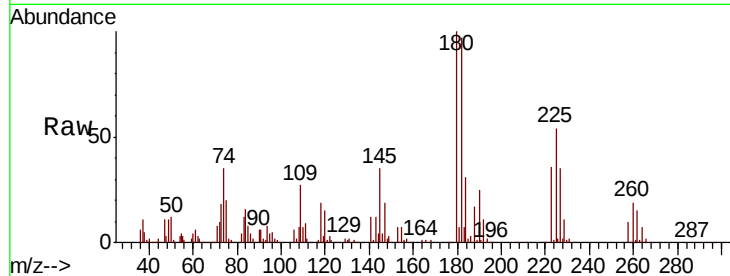
#93
 1,2,4-Trichlorobenzene
 Concen: 22.976 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. -0.00 min
 Lab File: VF060350.D
 Acq: 26 Sep 2018 14:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0926SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	110852		
182	97.3	50.3	151.0	
145	35.1	18.9	56.9	

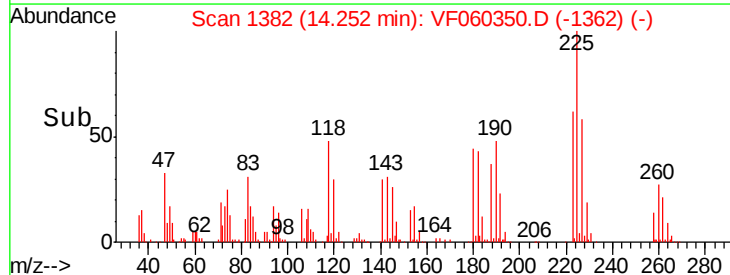
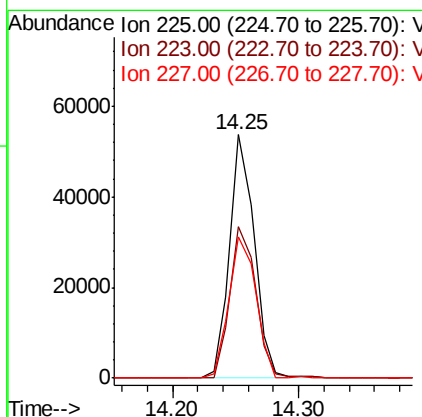
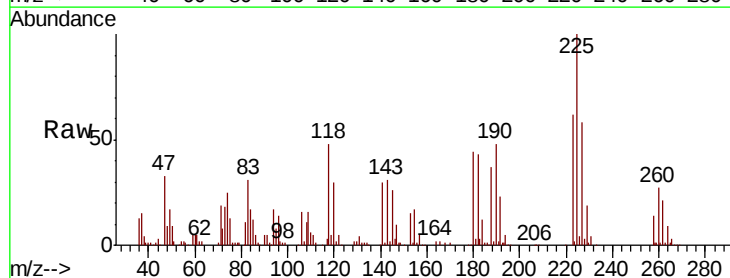
Manual Integrations
 APPROVED

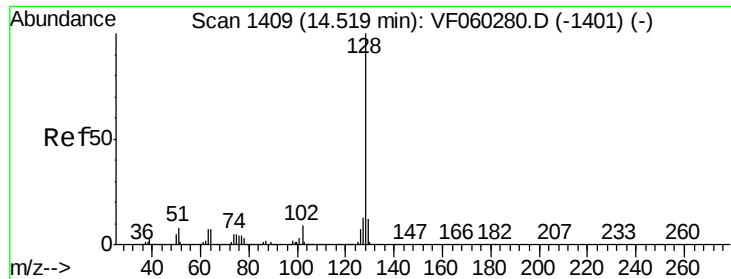
apatel
 9/27/2018 9:56:19 AM



#94
 Hexachlorobutadiene
 Concen: 22.344 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VF060350.D
 Acq: 26 Sep 2018 14:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	72874		
223	62.4	31.2	93.6	
227	58.1	32.2	96.6	





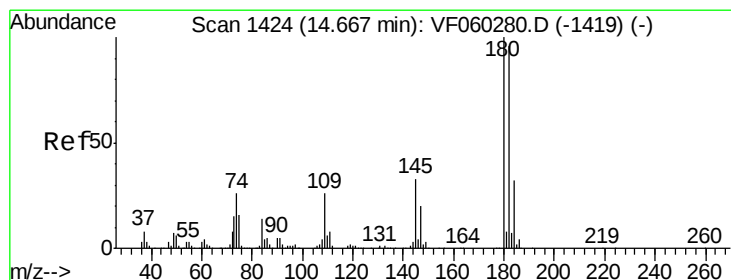
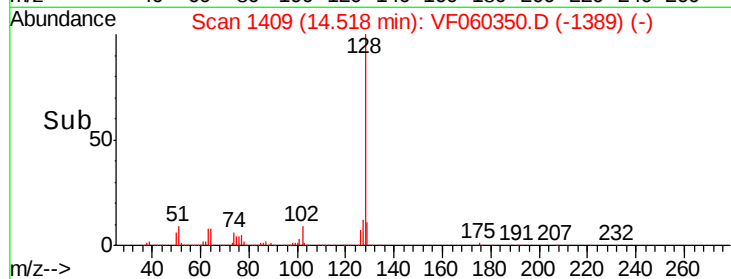
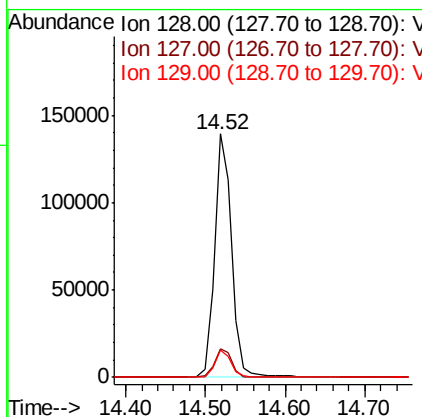
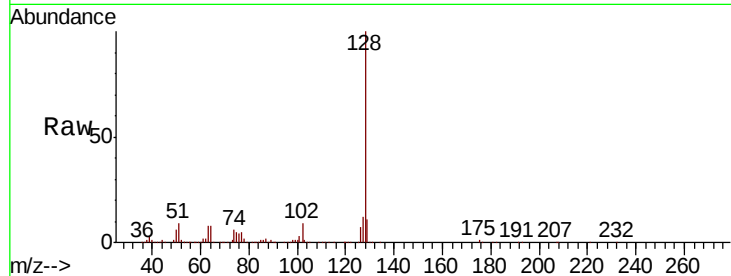
#95
Naphthalene
Concen: 24.774 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Instrument :
MSVOA_F
ClientSampleId :
VF0926SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	209558		
127	11.7		10.1	15.1
129	11.2		9.8	14.8

Manual Integrations
APPROVED

apatel
9/27/2018 9:56:19 AM



#96
1,2,3-Trichlorobenzene
Concen: 23.462 ug/l
RT: 14.67 min Scan# 1424
Delta R.T. -0.00 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	104596		
182	94.2		47.8	143.4
145	35.0		16.4	49.1

