

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091918\
 Data File : VF060287.D
 Acq On : 19 Sep 2018 19:03
 Operator : VA/AP
 Sample : VF0919SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0919SBS01

Manual Integrations
 APPROVED

apatel
 9/20/2018 11:55:09 AM

Quant Time: Sep 20 04:29:43 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	5.03	168	282524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	457128	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	397822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	213259	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	190014	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
35) Dibromofluoromethane	4.28	113	197966	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
50) Toluene-d8	7.70	98	498056	46.93	ug/l	0.00
Spiked Amount			Recovery	=	93.86%	
62) 4-Bromofluorobenzene	11.51	95	213345	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	100749	20.10	ug/l	95
3) Chloromethane	1.13	50	79609	20.68	ug/l	95
4) Vinyl Chloride	1.18	62	76097	19.39	ug/l	89
5) Bromomethane	1.35	94	49288	17.75	ug/l	97
6) Chloroethane	1.42	64	36896	19.74	ug/l	98
7) Trichlorofluoromethane	1.53	101	152320	20.84	ug/l	96
8) Diethyl Ether	1.70	74	26818	22.05	ug/l	63
9) 1,1,2-Trichlorotrifluoroet	1.89	101	85910	22.10	ug/l	95
10) Methyl Iodide	1.96	142	135465	21.61	ug/l	94
11) Tert butyl alcohol	2.67	59	27336	120.07	ug/l #	84
12) 1,1-Dichloroethene	1.85	96	64216	19.97	ug/l	95
13) Acrolein	2.08	56	12180	150.43	ug/l	98
14) Allyl chloride	2.18	41	114270	20.37	ug/l	92
15) Acrylonitrile	3.07	53	53126	98.88	ug/l	94
16) Acetone	2.33	43	93879	87.63	ug/l	96
17) Carbon Disulfide	1.89	76	210311	22.21	ug/l	99
18) Methyl Acetate	2.45	43	35811	20.06	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	162649	20.29	ug/l	98
20) Methylene Chloride	2.27	84	74109m	21.35	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	71764	21.61	ug/l	99
22) Diisopropyl ether	2.92	45	217498	20.55	ug/l	99
23) Vinyl Acetate	3.33	43	450934	108.46	ug/l	97
24) 1,1-Dichloroethane	2.99	63	137270	20.00	ug/l	97
25) 2-Butanone	4.50	43	141247	97.95	ug/l	97
26) 2,2-Dichloropropane	3.75	77	79461	20.29	ug/l	99
27) cis-1,2-Dichloroethene	3.62	96	88639	20.32	ug/l	93
28) Bromochloromethane	3.88	49	52921	19.80	ug/l	83
29) Tetrahydrofuran	4.24	42	55370	104.85	ug/l	96
30) Chloroform	4.03	83	168428	20.33	ug/l	92
31) Cyclohexane	3.85	56	124373	21.45	ug/l	98
32) 1,1,1-Trichloroethane	4.26	97	140290	21.46	ug/l	98
36) 1,1-Dichloropropene	4.45	75	119699	20.99	ug/l	97
37) Ethyl Acetate	4.28	43	55157	22.86	ug/l	91
38) Carbon Tetrachloride	4.16	117	129004	21.06	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	132422	21.43	ug/l	96
40) Benzene	4.79	78	269023	20.81	ug/l	99
41) Methacrylonitrile	4.90	41	27805	21.24	ug/l #	92
42) 1,2-Dichloroethane	5.11	62	100089	21.03	ug/l	99
43) Isopropyl Acetate	7.10	43	62687	21.58	ug/l #	85
44) Trichloroethene	5.66	130	85635	22.26	ug/l	93
45) 1,2-Dichloropropane	6.39	63	74162	22.16	ug/l #	87
46) Dibromomethane	6.24	93	49949	20.88	ug/l	95
47) Bromodichloromethane	6.54	83	123354	21.46	ug/l	100
48) Methyl methacrylate	6.86	41	45016	22.08	ug/l	98
49) 1,4-Dioxane	6.85	88	7948	436.33	ug/l	94
51) 4-Methyl-2-Pentanone	8.39	43	235843	105.35	ug/l	95
52) Toluene	7.77	92	166503	20.36	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	98328	21.21	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	119681	20.49	ug/l	94
55) 1,1,2-Trichloroethane	8.63	97	54166	21.82	ug/l	92
56) Ethyl methacrylate	8.76	69	63440	21.16	ug/l	93
57) 1,3-Dichloropropane	8.99	76	82069	19.97	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.76	63	27670	104.39	ug/l	100
59) 2-Hexanone	9.62	43	173673	108.96	ug/l	97
60) Dibromochloromethane	8.86	129	77202	20.86	ug/l	97
61) 1,2-Dibromoethane	9.13	107	59181	21.41	ug/l	93
64) Tetrachloroethene	8.29	164	77272	21.43	ug/l	95
65) Chlorobenzene	9.93	112	184569	20.47	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	79203	21.17	ug/l	92
67) Ethyl Benzene	10.03	91	362317	21.73	ug/l	98
68) m/p-Xylenes	10.25	106	241095	41.86	ug/l	95
69) o-Xylene	10.82	106	138238	21.40	ug/l	100
70) Styrene	10.90	104	195727	21.48	ug/l	98
71) Bromoform	10.89	173	42873	20.86	ug/l	92
73) Isopropylbenzene	11.22	105	405569	21.18	ug/l	100
74) N-amyl acetate	11.46	43	98260	24.07	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	72140	21.26	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	50956	20.98	ug/l	90
77) Bromobenzene	11.59	156	82861	20.08	ug/l	87
78) n-propylbenzene	11.68	91	482419	20.67	ug/l	98
79) 2-Chlorotoluene	11.80	91	272143	21.07	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	329721	21.40	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	24852m	19.36	ug/l	
82) 4-Chlorotoluene	11.98	91	271108	20.89	ug/l	97
83) tert-Butylbenzene	12.21	119	333774	21.37	ug/l	95
84) 1,2,4-Trimethylbenzene	12.29	105	329725	21.07	ug/l	99
85) sec-Butylbenzene	12.38	105	450915	19.73	ug/l	96
86) p-Isopropyltoluene	12.53	119	370210	20.85	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	162969	21.14	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	155811	20.45	ug/l	97
89) n-Butylbenzene	12.92	91	399745	21.03	ug/l	96
90) Hexachloroethane	13.00	117	90740	20.76	ug/l	83
91) 1,2-Dichlorobenzene	13.01	146	154502	21.01	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	12251	19.23	ug/l	81

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ALS Vial : 42 Sample Multiplier: 1

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ClientSampleId :
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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)
93) 1,2,4-Trichlorobenzene	14.27	180	116463	21.79	ug/l	92
94) Hexachlorobutadiene	14.26	225	78262	21.66	ug/l	95
95) Naphthalene	14.52	128	217543	23.21	ug/l	97
96) 1,2,3-Trichlorobenzene	14.66	180	101938	20.64	ug/l	94

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

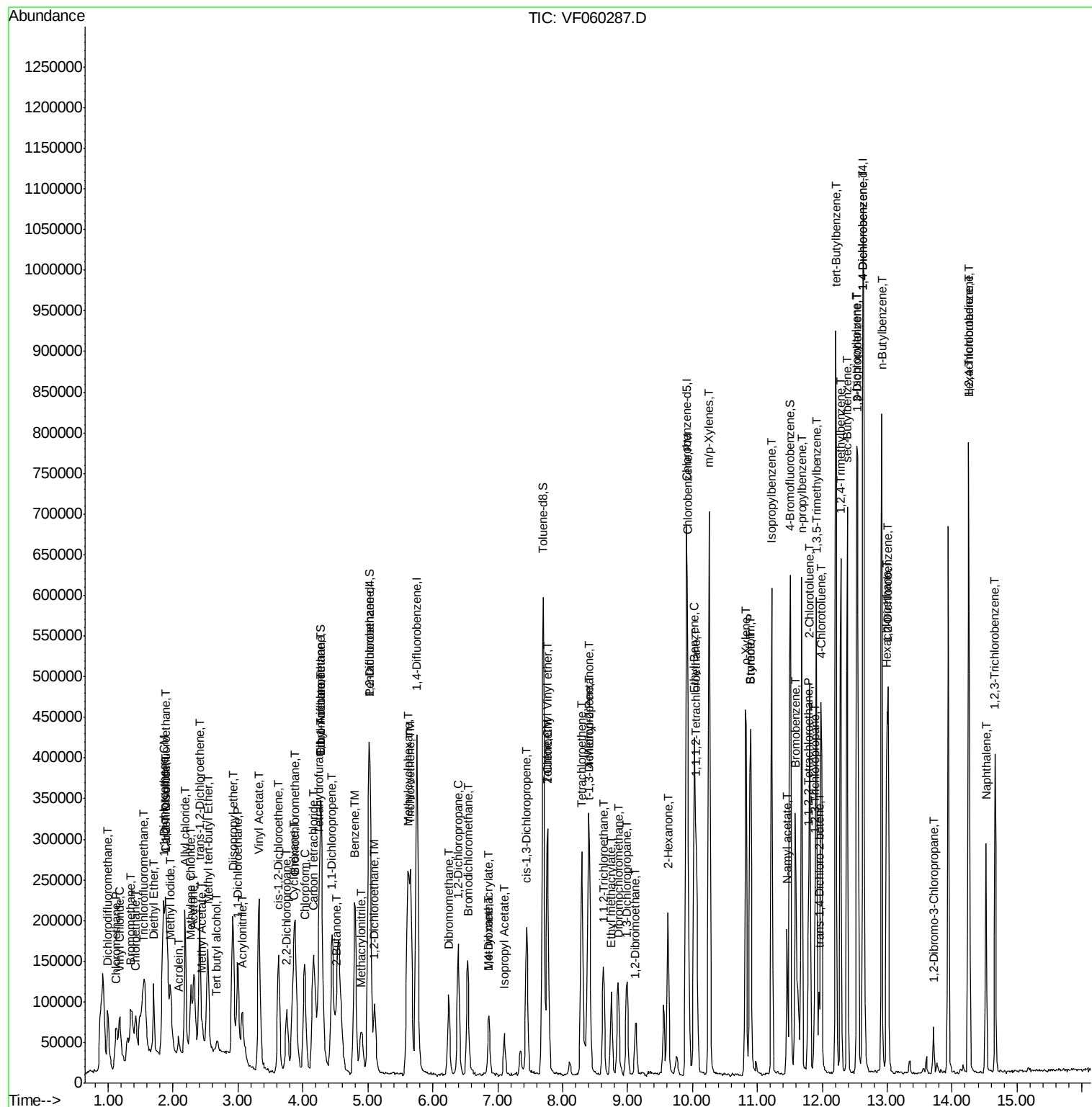
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF091918\
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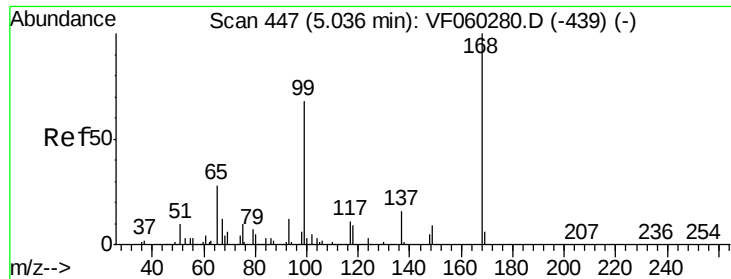
Instrument :
MSVOA_F
Client Sample Id :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 446

Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBSD01

Tot Ion:168 Resp: 282524

Ion Ratio Lower Upper

168 100

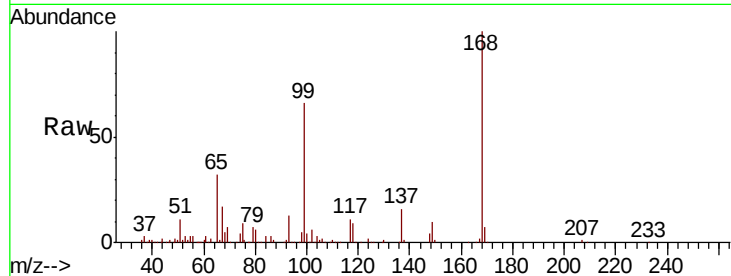
99 65.7 54.8 82.2

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

5.03

100000

80000

60000

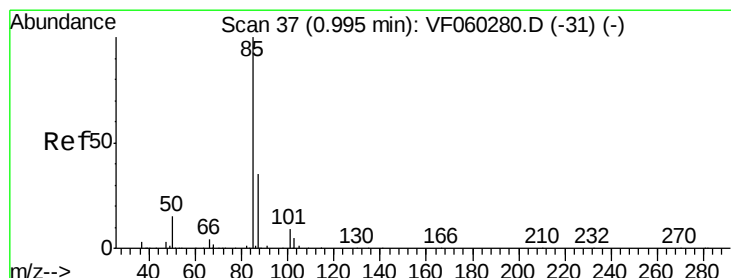
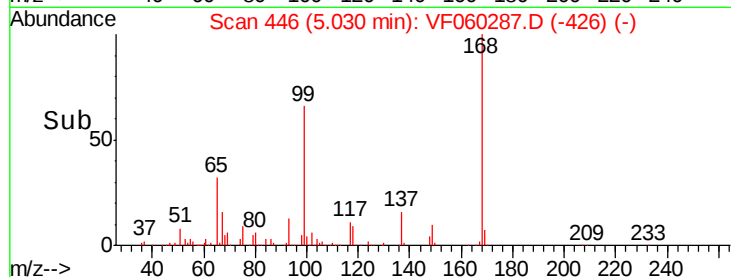
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 20.10 ug/l

RT: 0.99 min Scan# 36

Delta R.T. -0.01 min

Lab File: VF060287.D

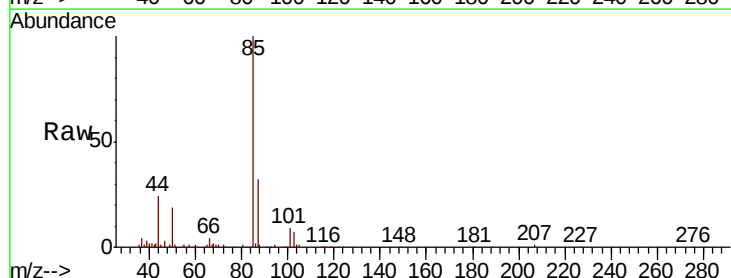
Acq: 19 Sep 2018 19:03

Tgt Ion: 85 Resp: 100749

Ion Ratio Lower Upper

85 100

87 32.0 17.3 52.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

40000

30000

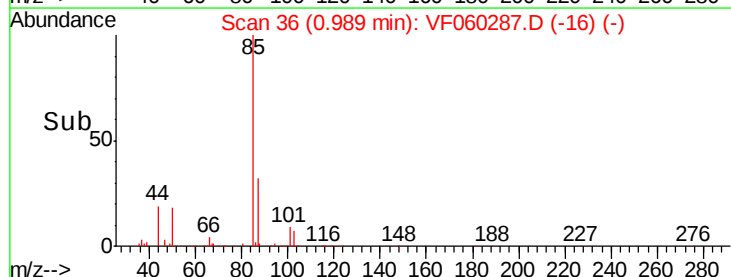
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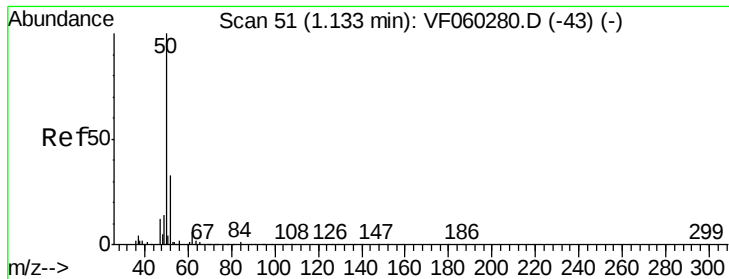
10000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 20.68 ug/l

RT: 1.13 min Scan# 50

Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

Tot Ion: 50 Resp: 79609

Ion Ratio Lower Upper

50 100

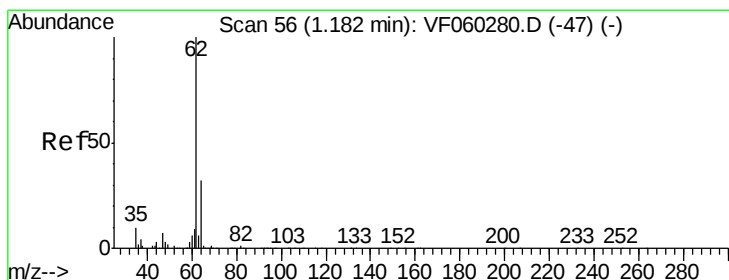
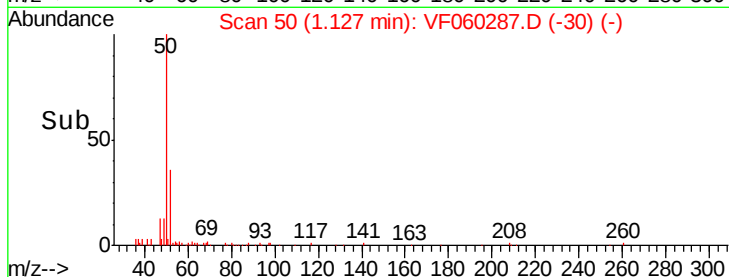
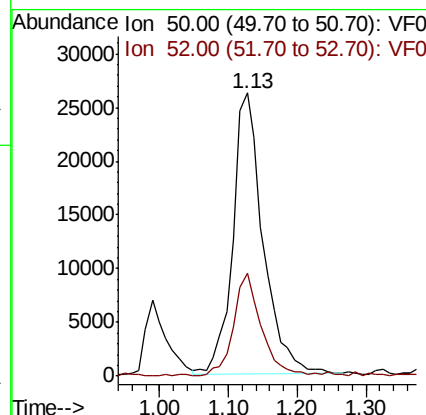
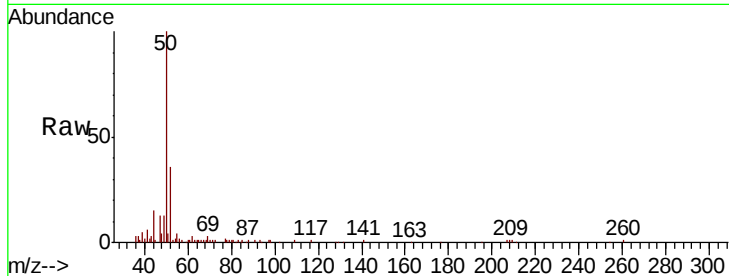
52 36.2 26.5 39.7

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#4

Vinyl Chloride

Concen: 19.39 ug/l

RT: 1.18 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060287.D

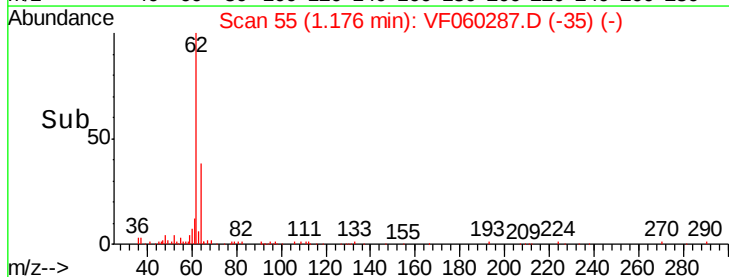
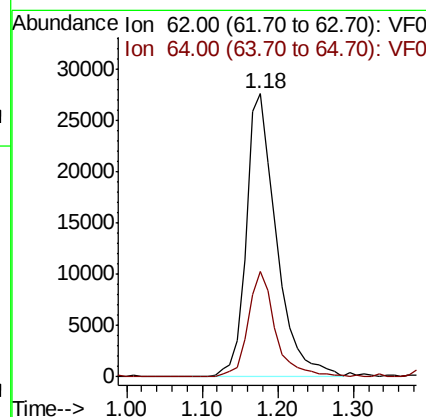
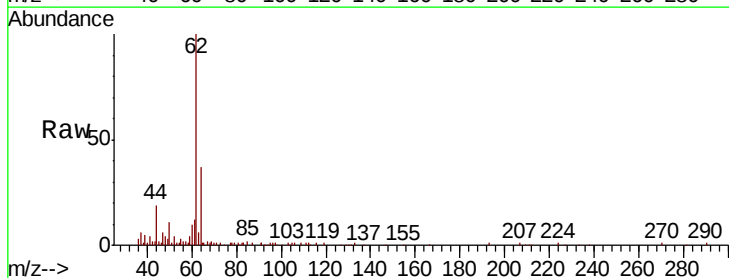
Acq: 19 Sep 2018 19:03

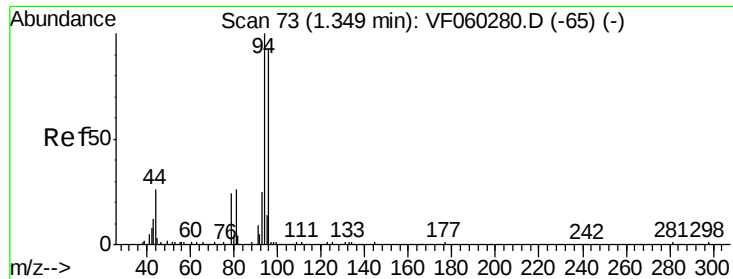
Tgt Ion: 62 Resp: 76097

Ion Ratio Lower Upper

62 100

64 37.4 25.2 37.8





#5

Bromomethane

Concen: 17.75 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

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Tot Ion: 94 Resp: 49288

Ion Ratio Lower Upper

94 100

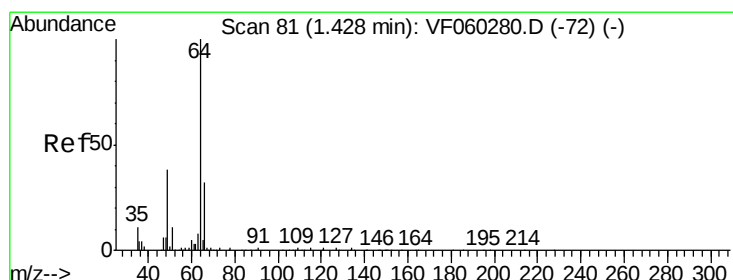
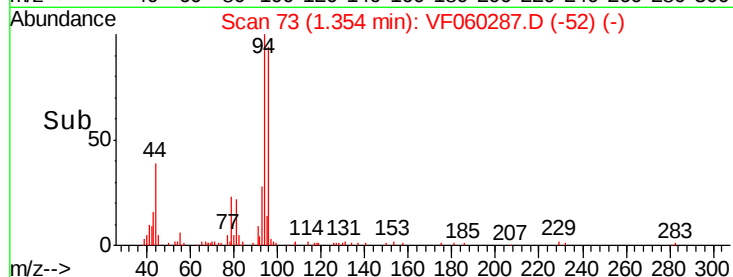
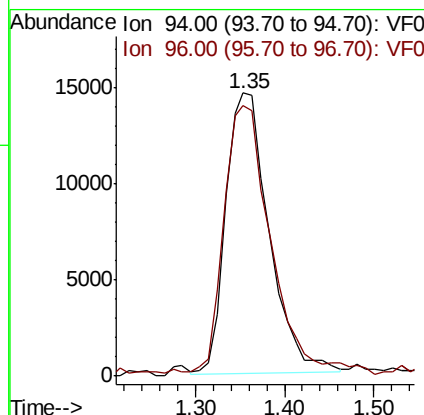
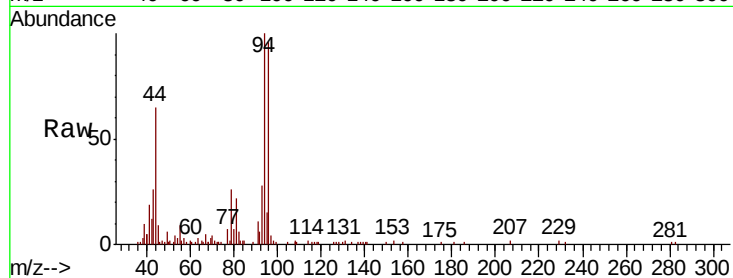
96 95.5 73.9 110.9

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#6

Chloroethane

Concen: 19.74 ug/l

RT: 1.42 min Scan# 80

Delta R.T. -0.01 min

Lab File: VF060287.D

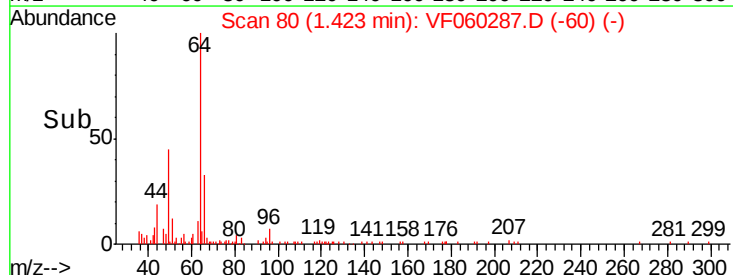
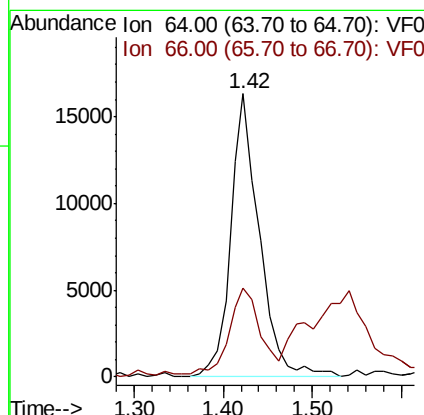
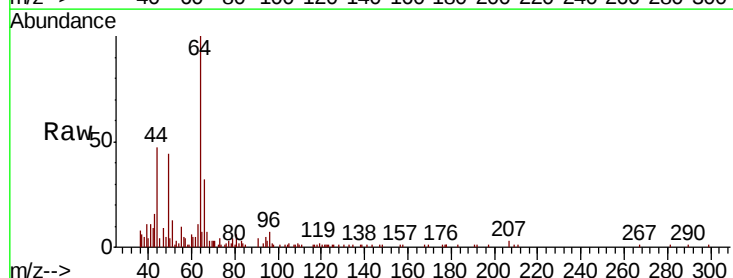
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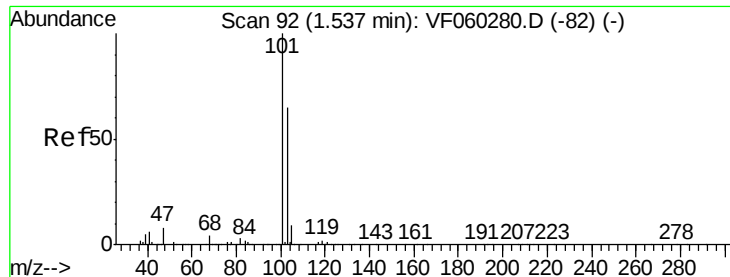
Tgt Ion: 64 Resp: 36896

Ion Ratio Lower Upper

64 100

66 31.5 26.2 39.2





#7

Trichlorofluoromethane

Concen: 20.84 ug/l

RT: 1.53 min Scan# 91

Delta R.T. -0.01 min

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Tot Ion:101 Resp: 152320

Ion Ratio Lower Upper

101 100

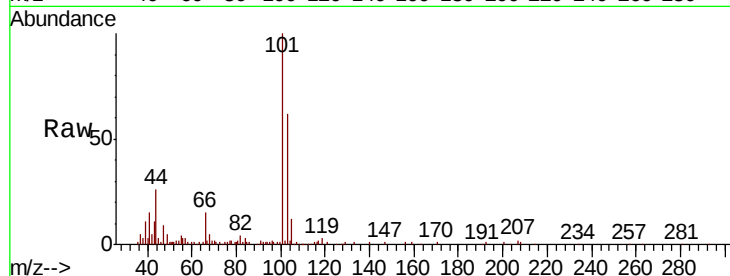
103 61.9 52.0 78.0

Manual Integrations

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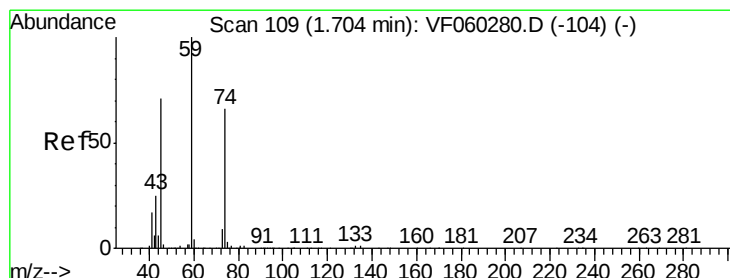
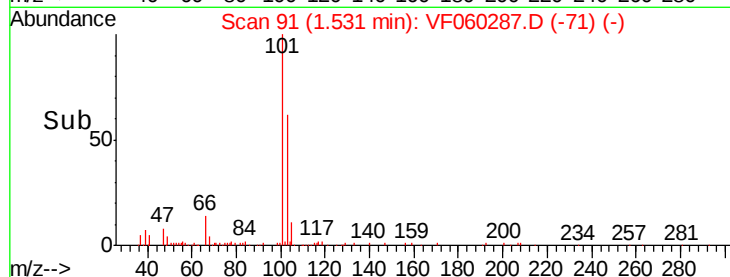
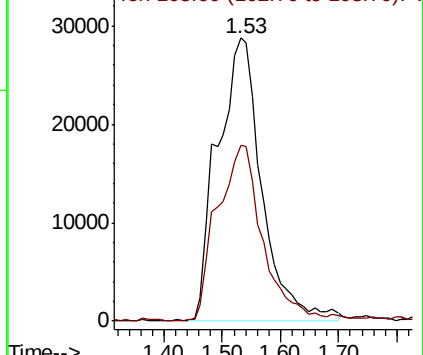
apatel

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 22.05 ug/l

RT: 1.70 min Scan# 108

Delta R.T. -0.01 min

Lab File: VF060287.D

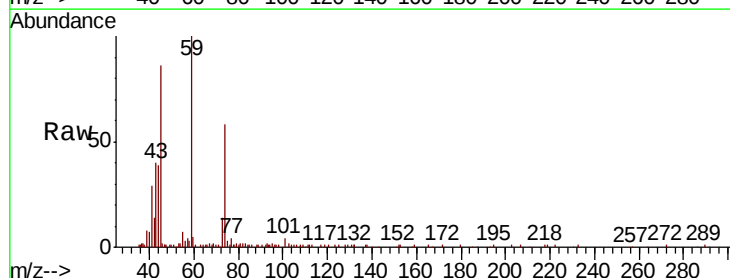
Acq: 19 Sep 2018 19:03

Tgt Ion: 74 Resp: 26818

Ion Ratio Lower Upper

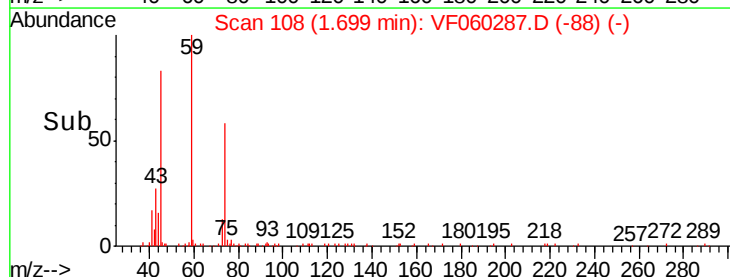
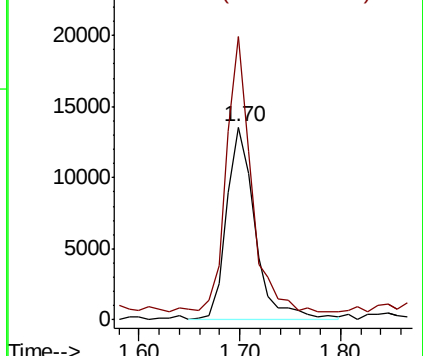
74 100

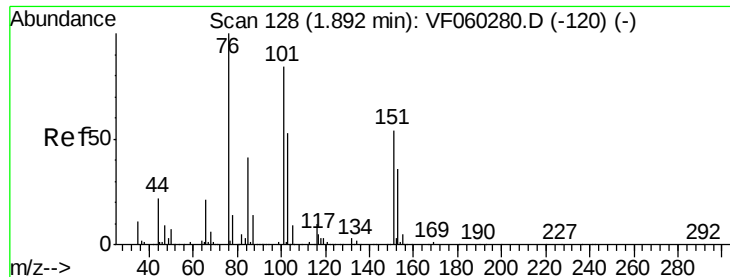
45 146.7 53.9 161.7



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.10 ug/l

RT: 1.89 min Scan# 127

Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

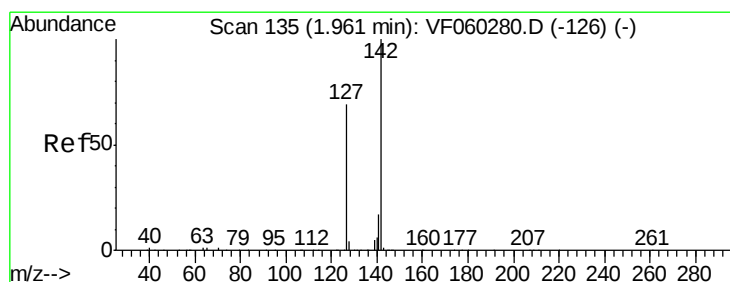
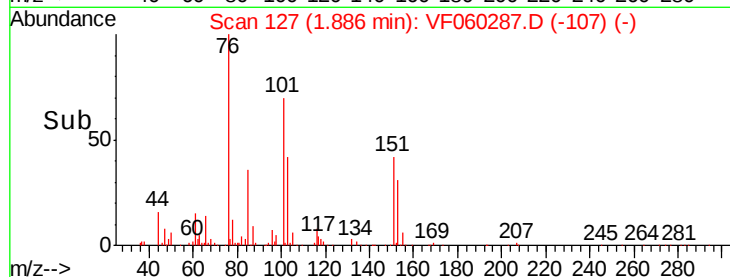
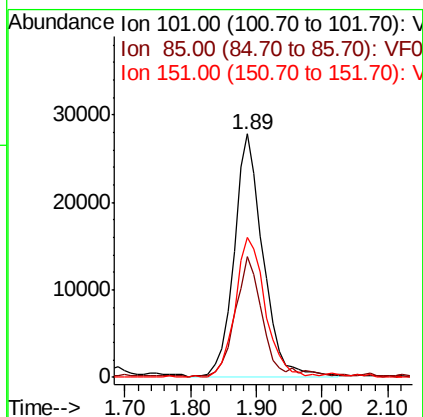
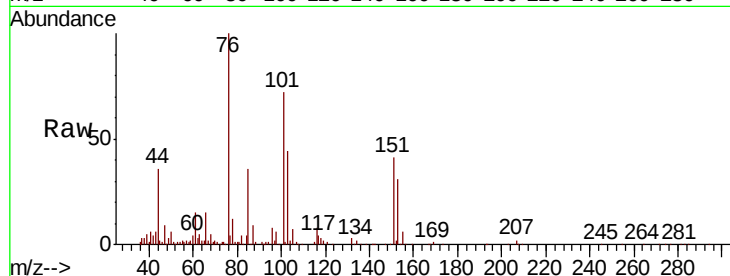
ClientSampleId :

VF0919SBS01

Tot Ion:	101	Resp:	85910
Ion Ratio	Lower	Upper	
101	100		
85	49.8	38.7	58.1
151	57.6	50.8	76.2

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#10

Methyl Iodide

Concen: 21.61 ug/l

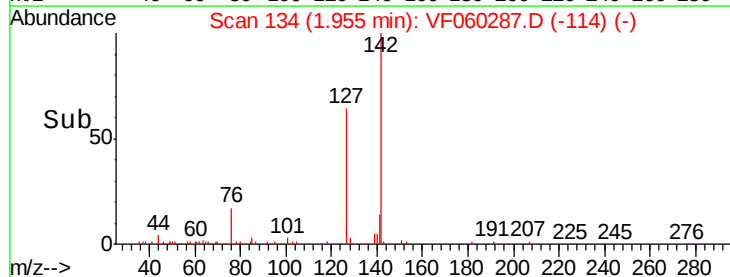
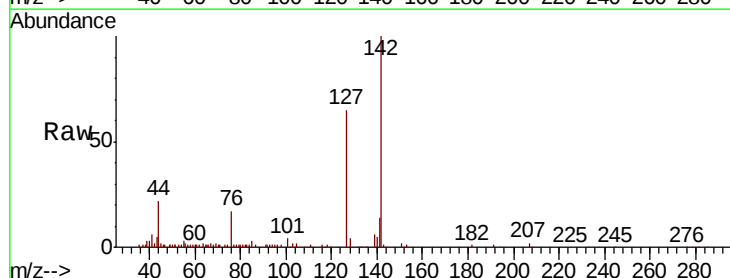
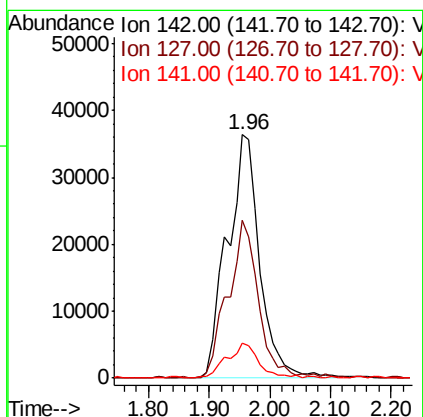
RT: 1.96 min Scan# 134

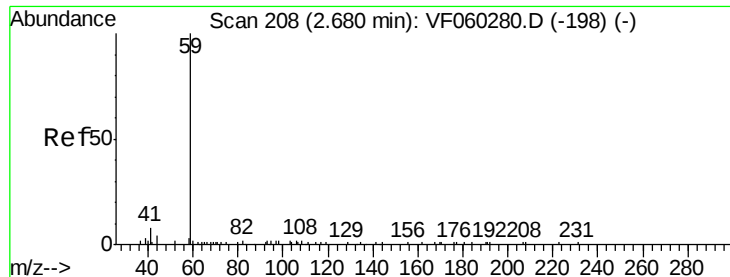
Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Tgt Ion:	142	Resp:	135465
Ion Ratio	Lower	Upper	
142	100		
127	64.6	55.4	83.0
141	14.4	13.3	19.9





#11

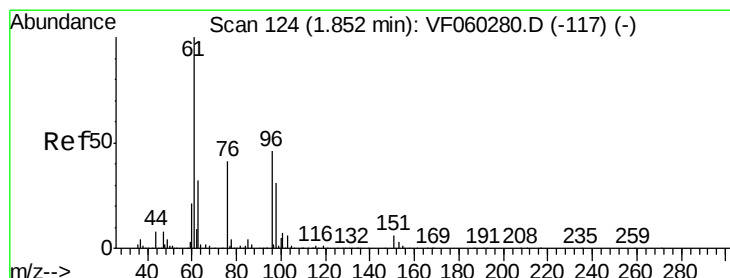
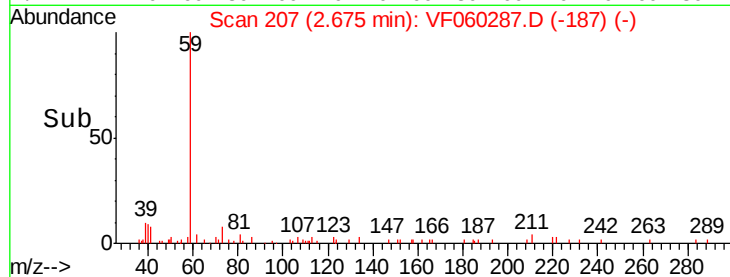
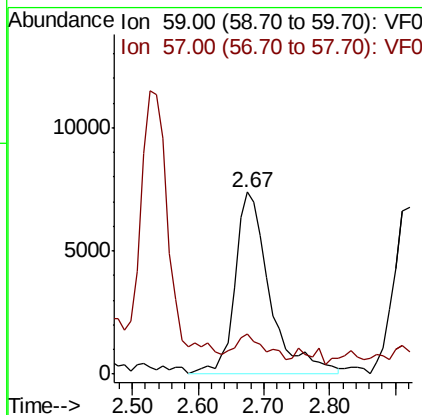
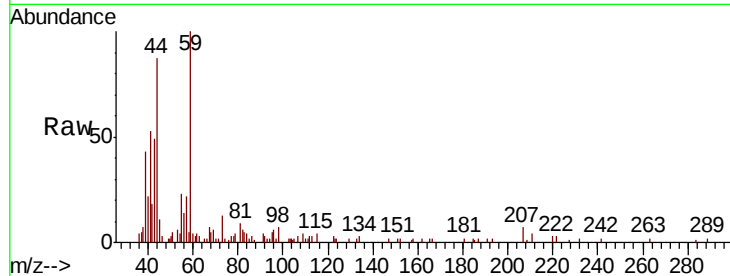
Tert butyl alcohol
Concen: 120.07 ug/l
RT: 2.67 min Scan# 207
Delta R.T. -0.01 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	22.3	12.4	18.6#

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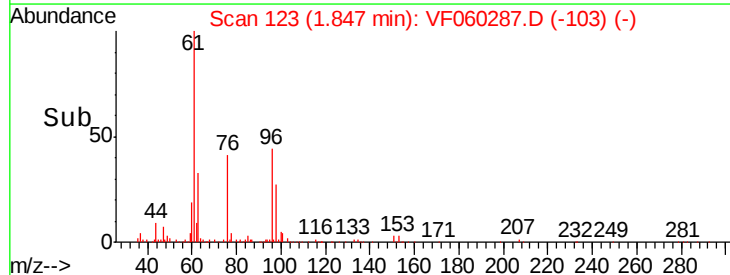
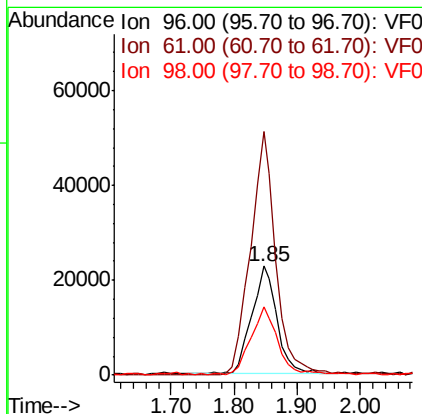
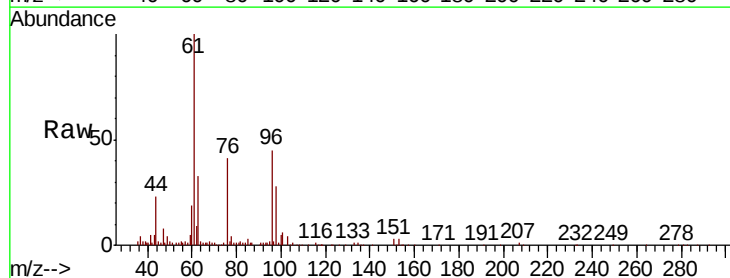
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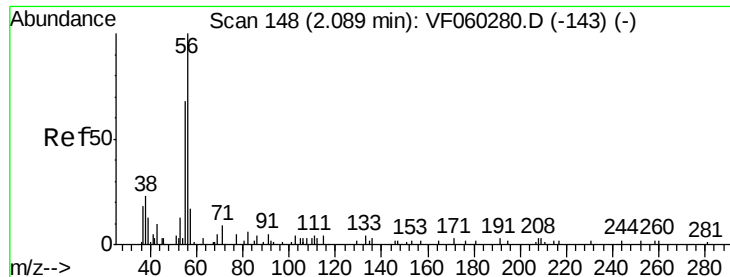


#12

1,1-Dichloroethene
Concen: 19.97 ug/l
RT: 1.85 min Scan# 123
Delta R.T. -0.01 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	224.1	172.2	258.2
98	65.4	54.1	81.1





#13

Acrolein

Concen: 150.43 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.00 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Tot Ion: 56 Resp: 12180

Ion Ratio Lower Upper

56 100

55 89.1 69.9 104.9

Instrument :

MSVOA_F

ClientSampleId :

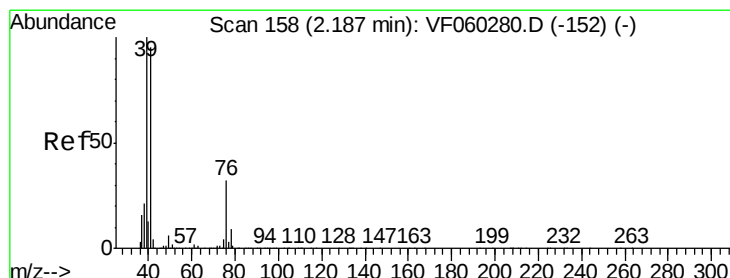
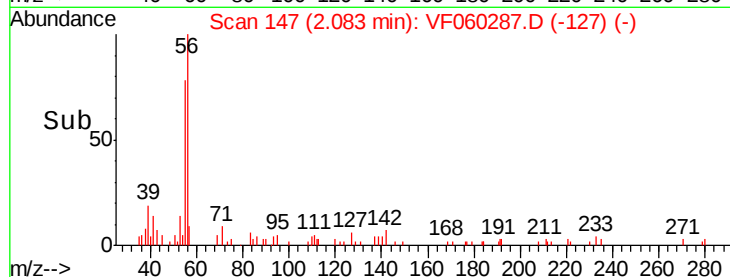
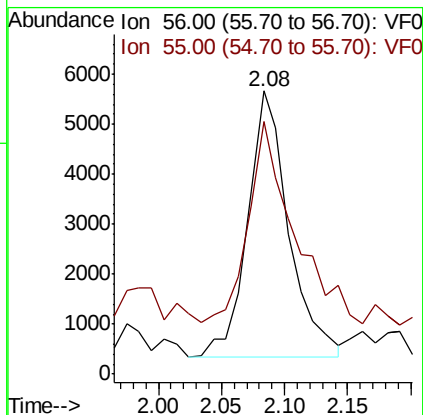
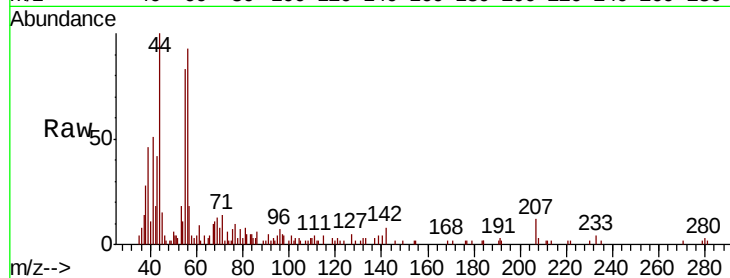
VF0919SBS01

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#14

Allyl chloride

Concen: 20.37 ug/l

RT: 2.18 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

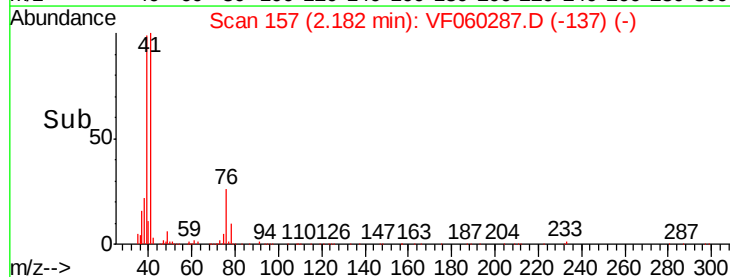
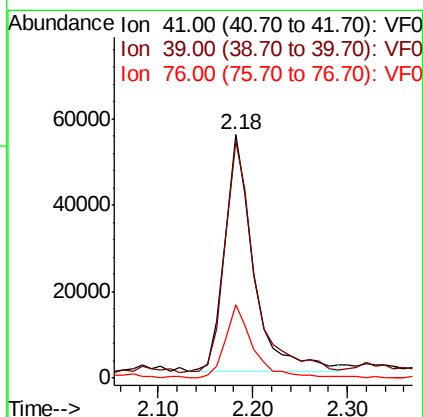
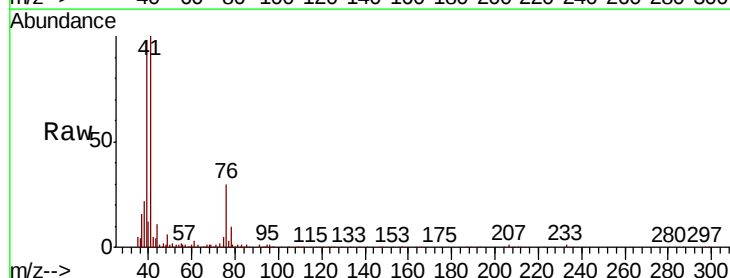
Tgt Ion: 41 Resp: 114270

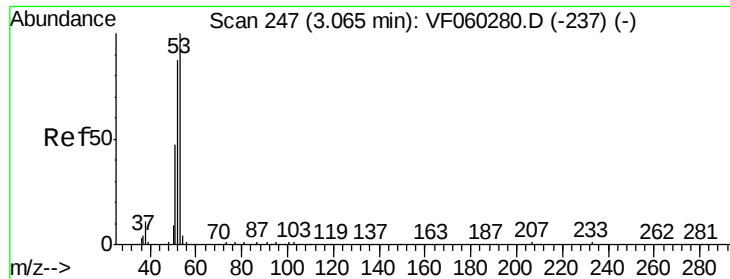
Ion Ratio Lower Upper

41 100

39 97.7 84.8 127.2

76 30.1 27.4 41.2





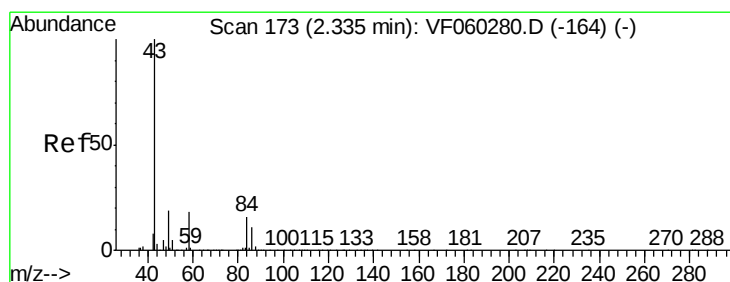
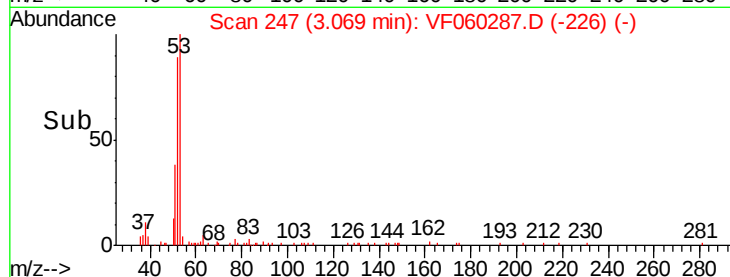
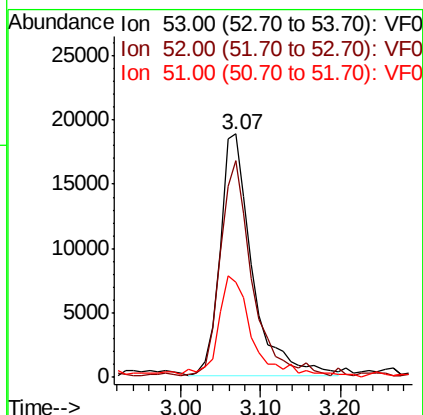
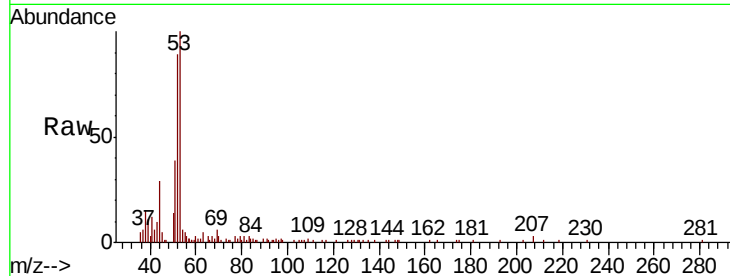
#15
 Acrylonitrile
 Concen: 98.88 ug/l
 RT: 3.07 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VF060287.D
 Acq: 19 Sep 2018 19:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0919SBS01

Tot Ion:	53	Resp:	53126
Ion	Ratio	Lower	Upper
53	100		
52	89.1	69.5	104.3
51	39.1	38.1	57.1

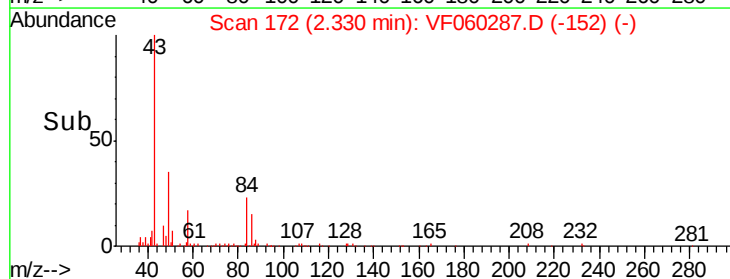
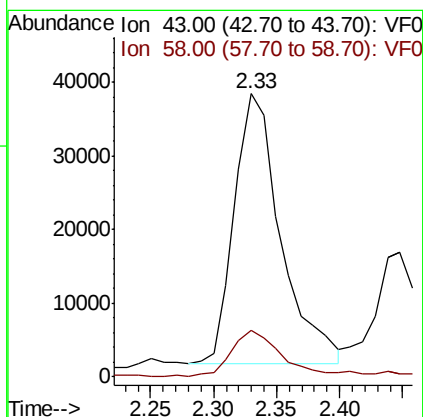
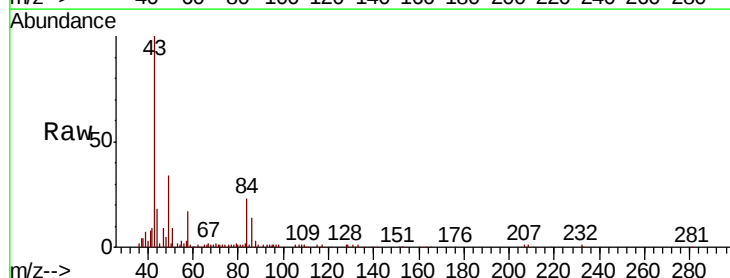
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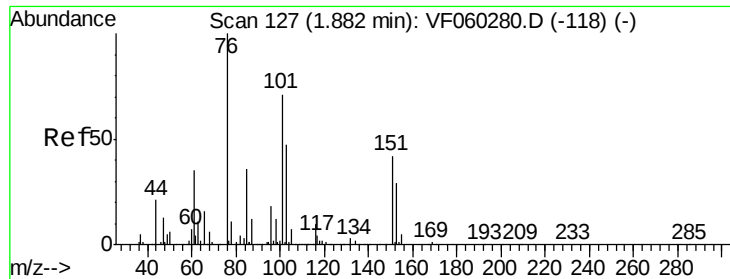
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#16
 Acetone
 Concen: 87.63 ug/l
 RT: 2.33 min Scan# 172
 Delta R.T. -0.01 min
 Lab File: VF060287.D
 Acq: 19 Sep 2018 19:03

Tgt Ion:	43	Resp:	93879
Ion	Ratio	Lower	Upper
43	100		
58	16.5	14.5	21.7





#17

Carbon Disulfide

Concen: 22.21 ug/l

RT: 1.89 min Scan# 127

Delta R.T. 0.00 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

Tot Ion: 76 Resp: 210311

Ion Ratio Lower Upper

76 100

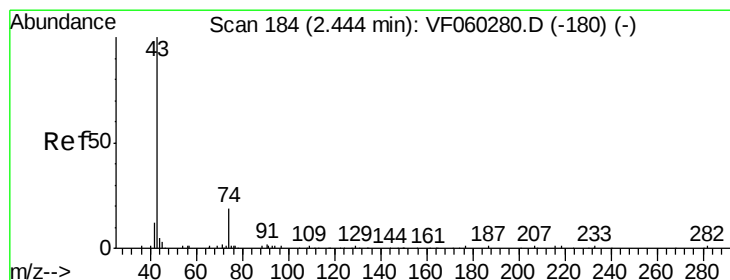
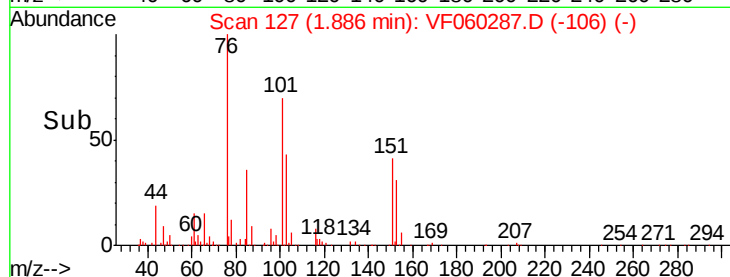
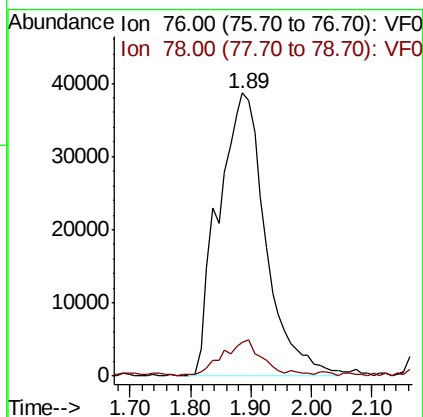
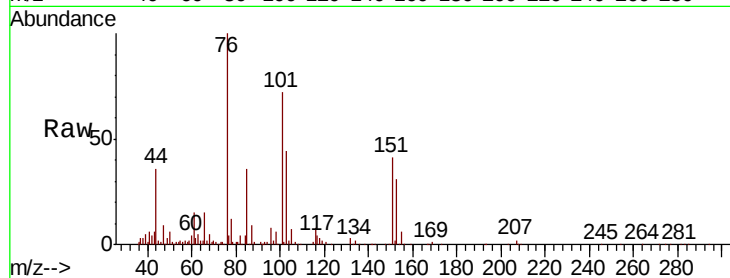
78 12.0 9.4 14.0

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#18

Methyl Acetate

Concen: 20.06 ug/l

RT: 2.45 min Scan# 184

Delta R.T. 0.00 min

Lab File: VF060287.D

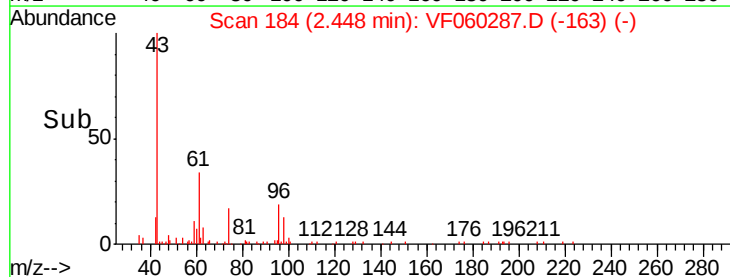
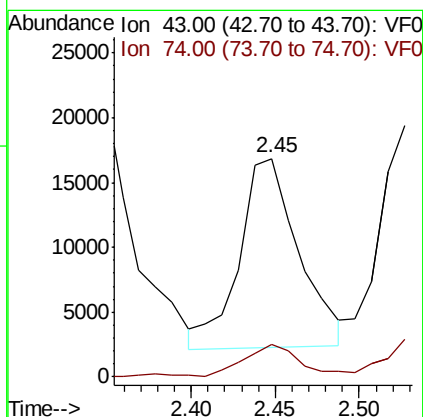
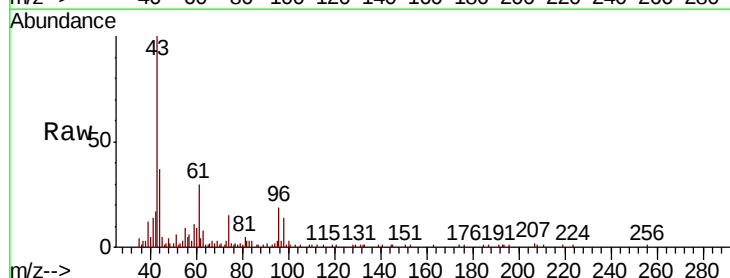
Acq: 19 Sep 2018 19:03

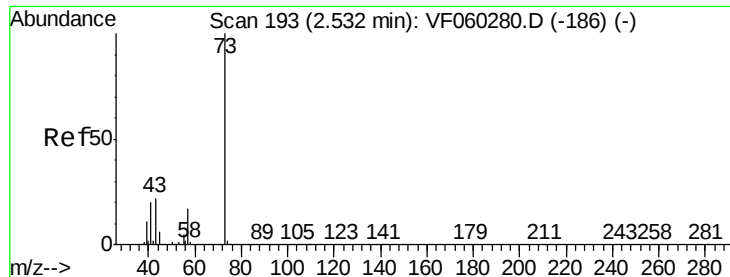
Tgt Ion: 43 Resp: 35811

Ion Ratio Lower Upper

43 100

74 14.9 12.7 19.1





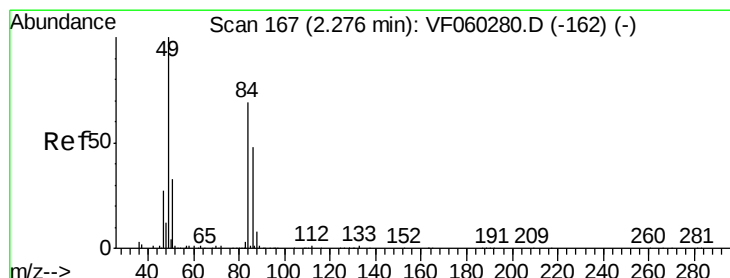
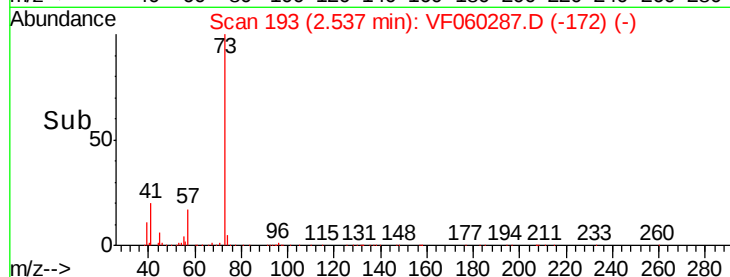
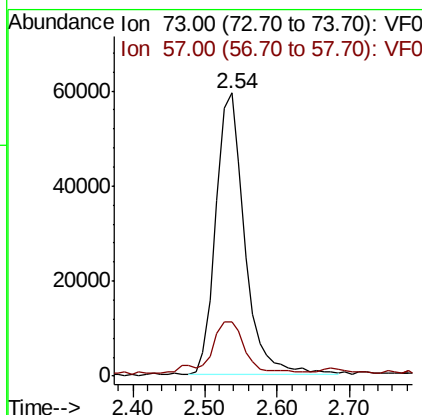
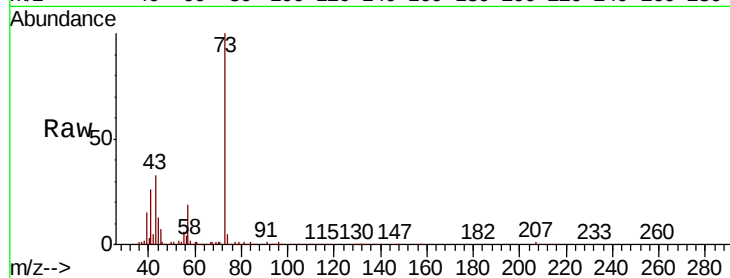
#19
Methyl tert-butyl Ether
Concen: 20.29 ug/l
RT: 2.54 min Scan# 193
Delta R.T. 0.00 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.0	14.5	21.7

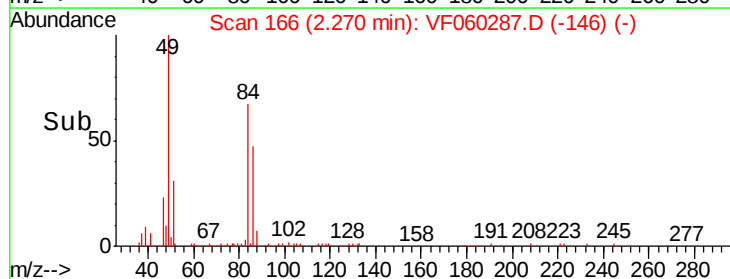
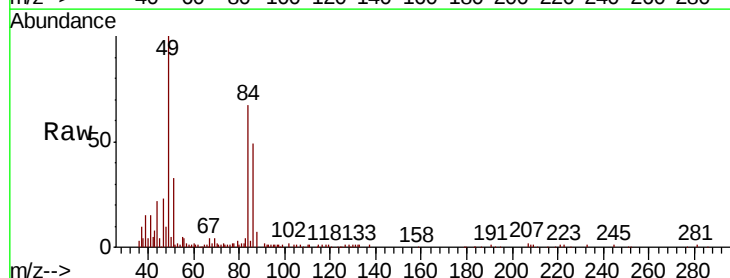
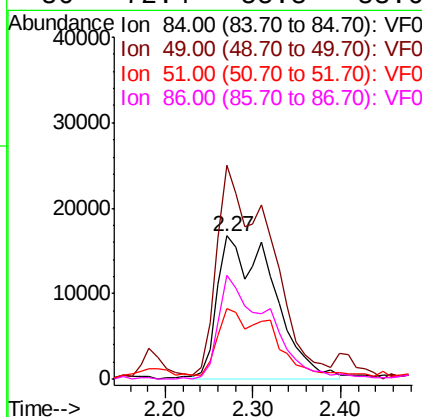
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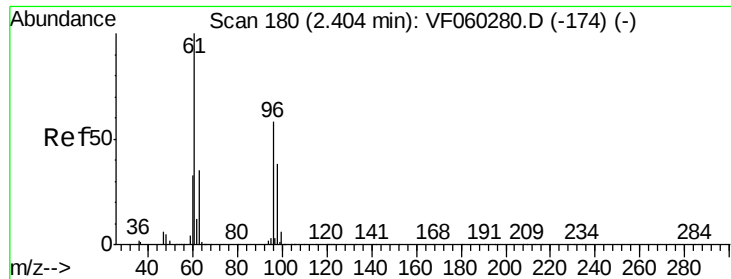
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#20
Methylene Chloride
Concen: 21.35 ug/l m
RT: 2.27 min Scan# 166
Delta R.T. -0.01 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	149.2	118.3	177.5
51	48.8	38.7	58.1
86	72.4	55.8	83.6





#21

trans-1,2-Dichloroethene

Concen: 21.61 ug/l

RT: 2.41 min Scan# 180

Delta R.T. 0.00 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

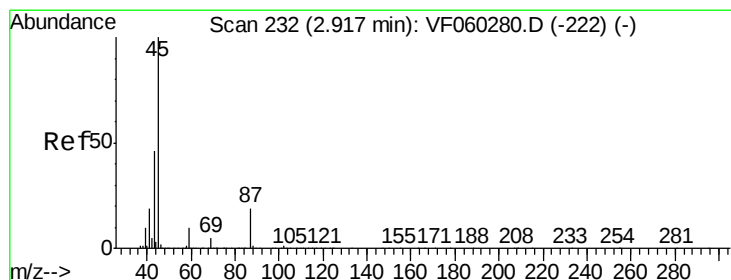
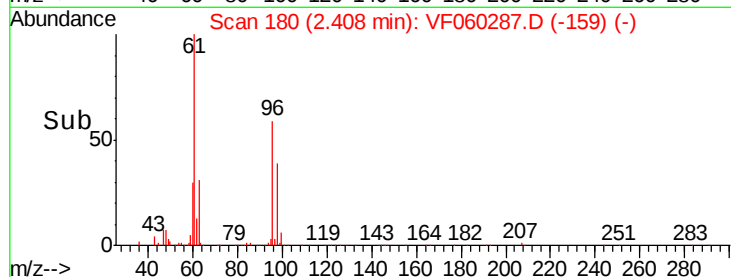
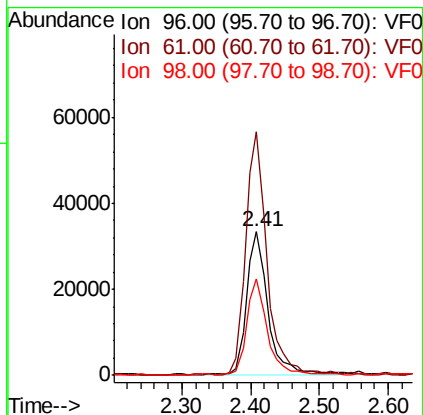
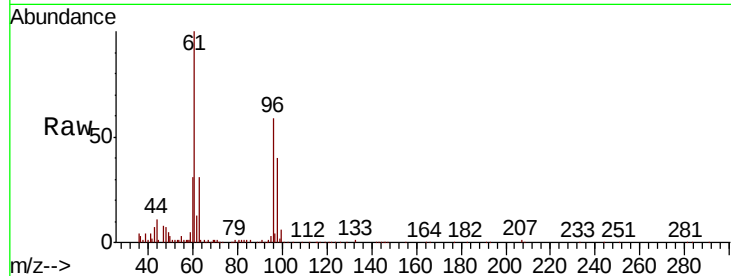
ClientSampleId :

VF0919SBS01

Tot Ion:	96	Resp:	71764
Ion	Ratio	Lower	Upper
96	100		
61	169.5	136.4	204.6
98	67.0	51.8	77.6

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#22

Diisopropyl ether

Concen: 20.55 ug/l

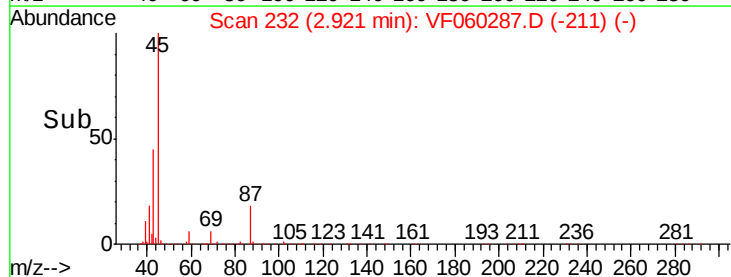
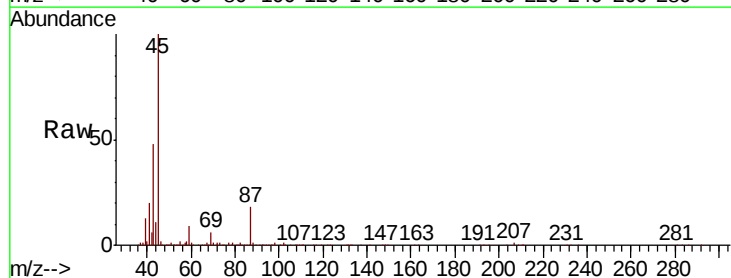
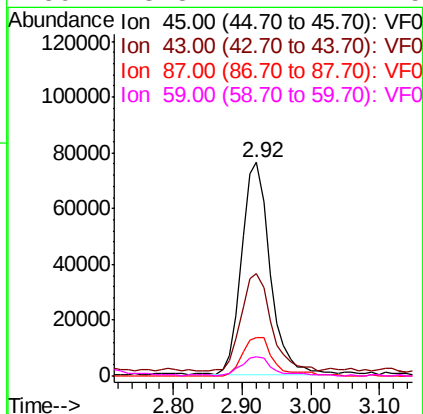
RT: 2.92 min Scan# 232

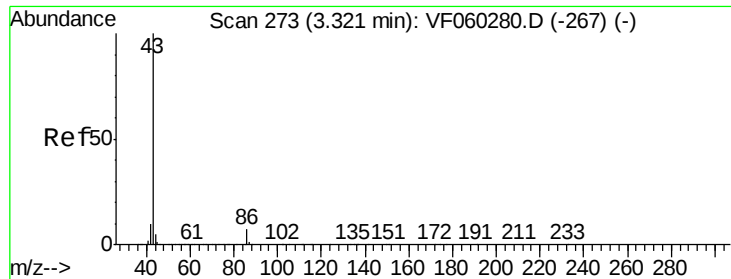
Delta R.T. 0.00 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Tgt Ion:	45	Resp:	217498
Ion	Ratio	Lower	Upper
45	100		
43	48.0	38.2	57.2
87	17.8	15.5	23.3
59	8.8	7.7	11.5





#23

Vinyl Acetate

Concen: 108.46 ug/l

RT: 3.33 min Scan# 273

Delta R.T. 0.00 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

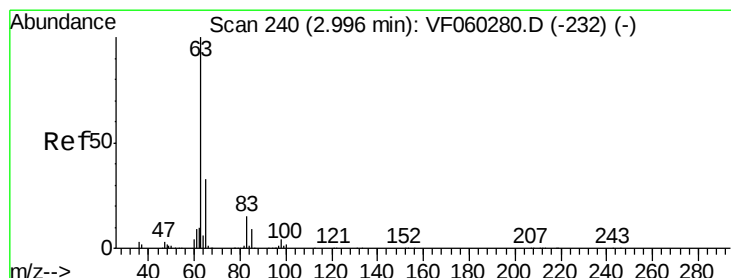
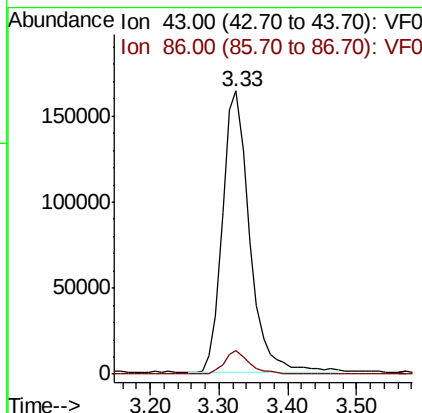
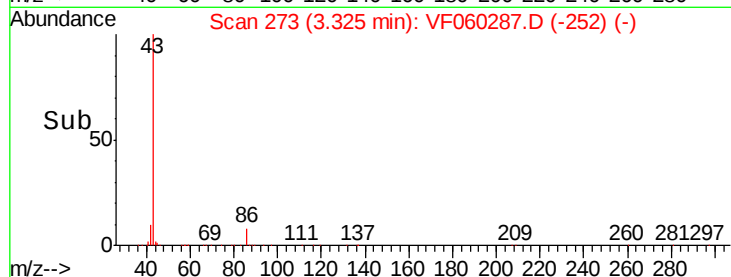
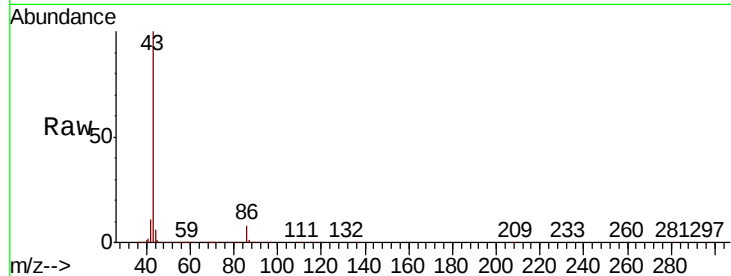
ClientSampleId :

VF0919SBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	450934		
86	8.3	5.9	8.9	

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#24

1,1-Dichloroethane

Concen: 20.00 ug/l

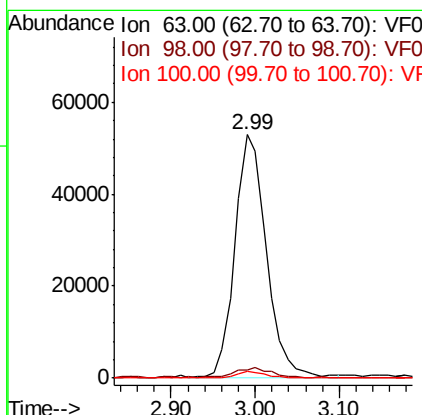
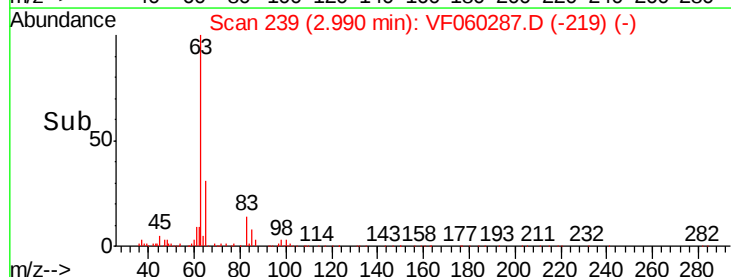
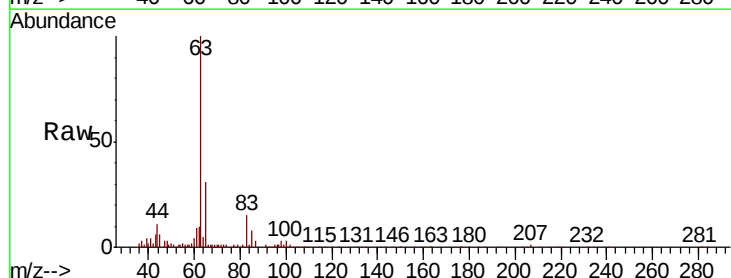
RT: 2.99 min Scan# 239

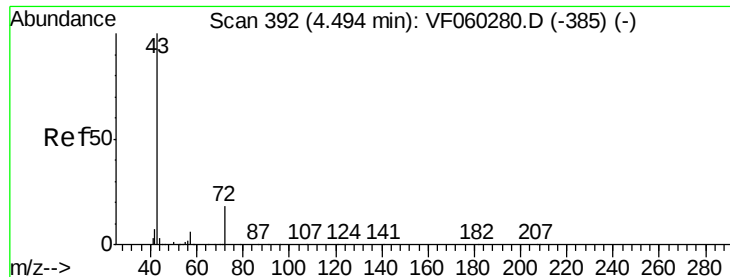
Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	137270		
98	3.2	2.1	6.5	
100	3.0	1.1	3.3	





#25

2-Butanone

Concen: 97.95 ug/l

RT: 4.50 min Scan# 392

Delta R.T. 0.00 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

Tot Ion: 43 Resp: 141247

Ion Ratio Lower Upper

43 100

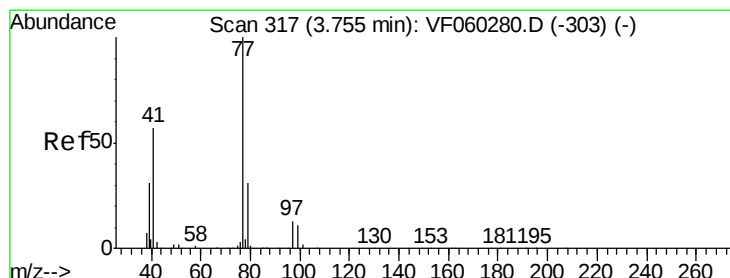
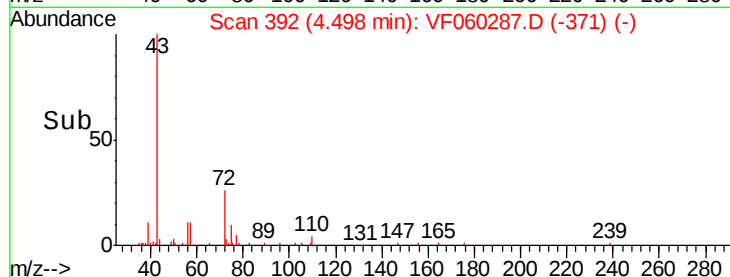
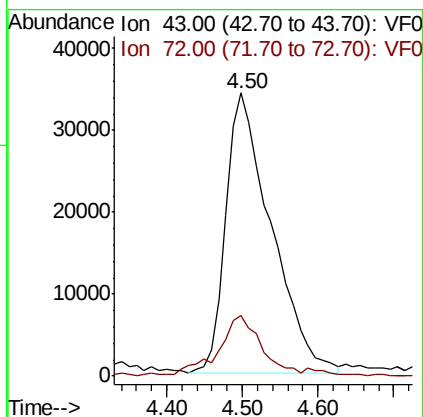
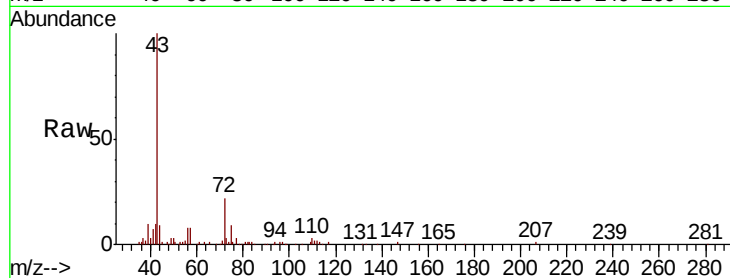
72 21.6 16.2 24.2

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#26

2,2-Dichloropropane

Concen: 20.29 ug/l

RT: 3.75 min Scan# 316

Delta R.T. -0.01 min

Lab File: VF060287.D

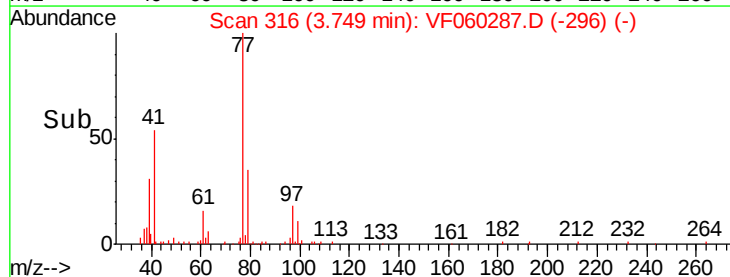
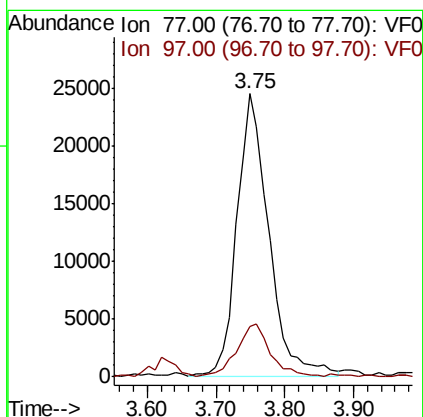
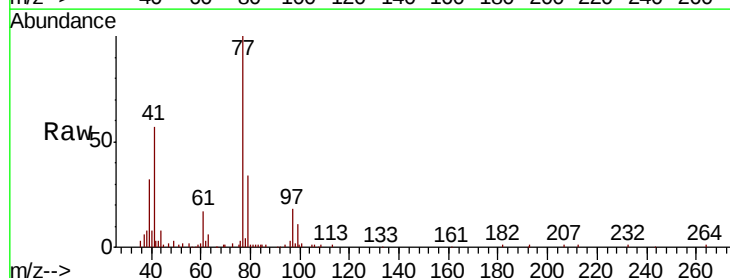
Acq: 19 Sep 2018 19:03

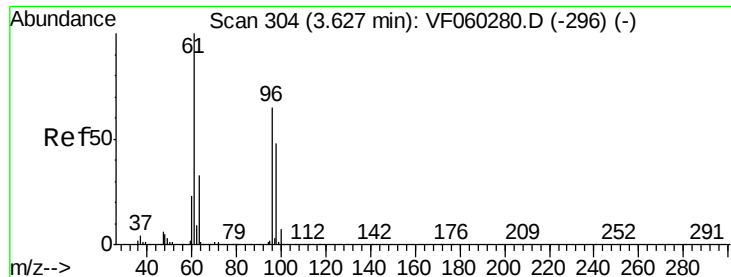
Tgt Ion: 77 Resp: 79461

Ion Ratio Lower Upper

77 100

97 17.9 9.3 27.9





#27

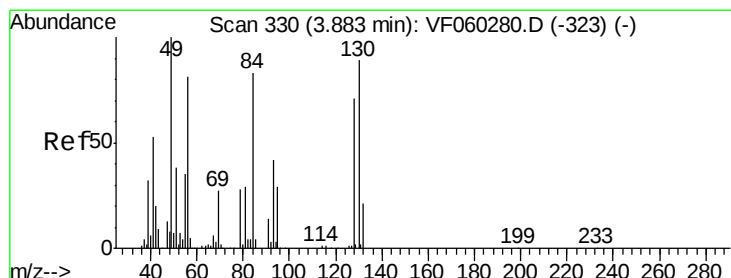
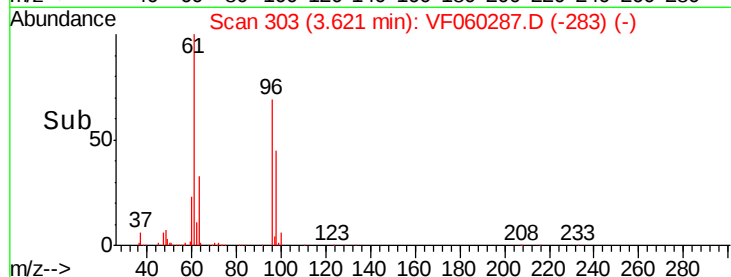
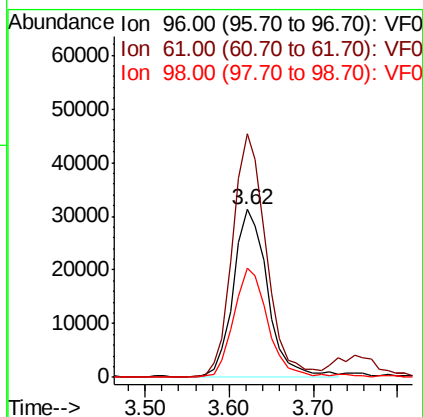
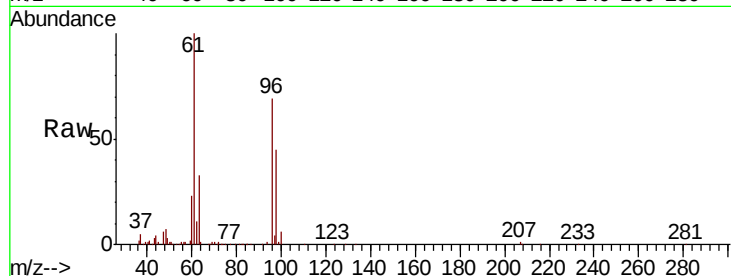
cis-1,2-Dichloroethene
 Concen: 20.32 ug/l
 RT: 3.62 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VF060287.D
 Acq: 19 Sep 2018 19:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0919SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	88639		
61	145.3		0.0	304.8
98	65.4		0.0	146.4

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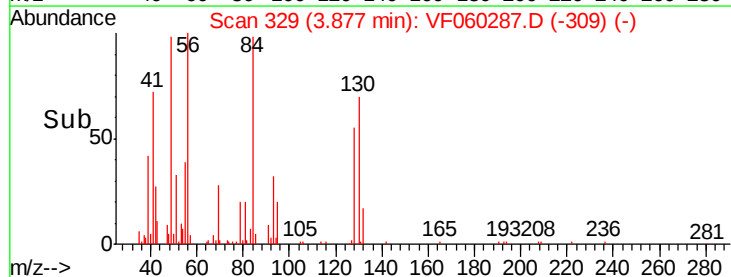
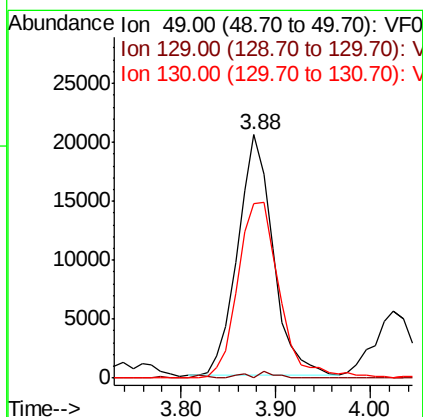
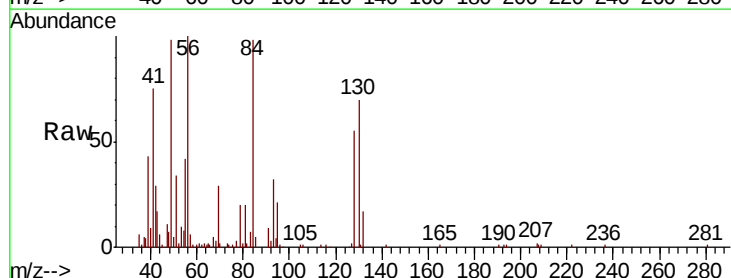
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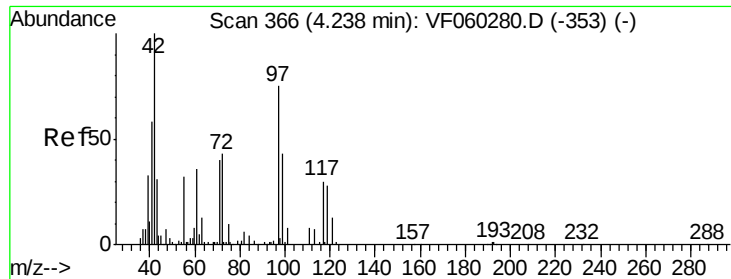


#28

Bromochloromethane
 Concen: 19.80 ug/l
 RT: 3.88 min Scan# 329
 Delta R.T. -0.01 min
 Lab File: VF060287.D
 Acq: 19 Sep 2018 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	52921		
129	0.0		0.0	4.2
130	71.8		70.3	105.5





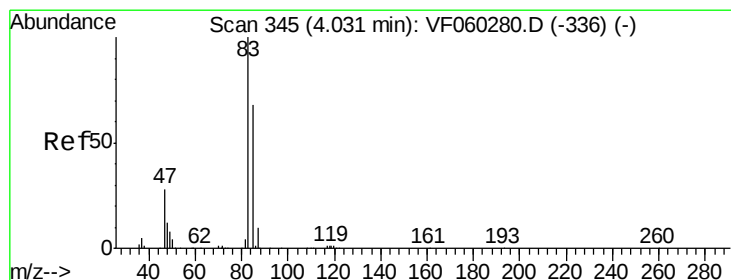
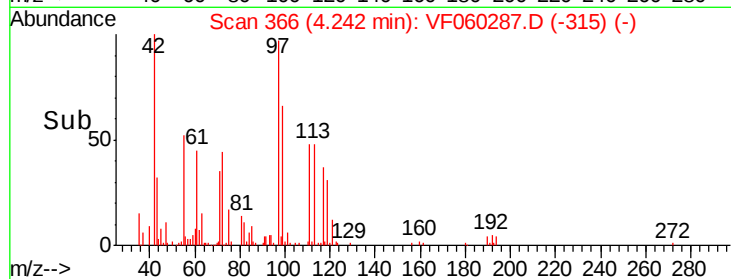
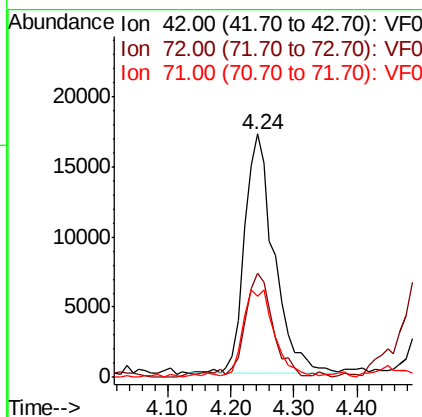
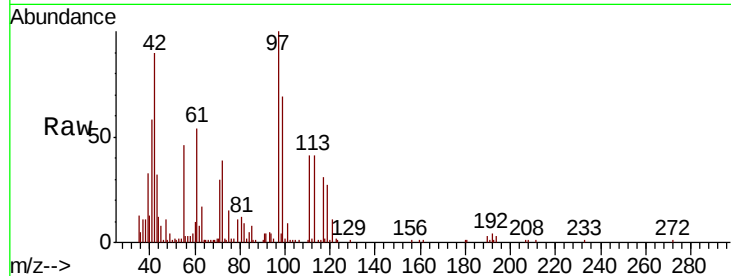
#29
Tetrahydrofuran
Concen: 104.85 ug/l
RT: 4.24 min Scan# 366
Delta R.T. 0.00 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.3	32.6	49.0
71	38.1	32.7	49.1

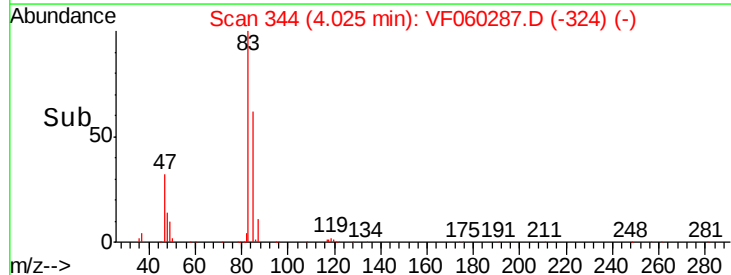
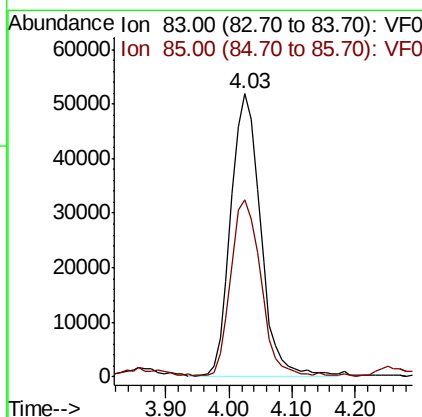
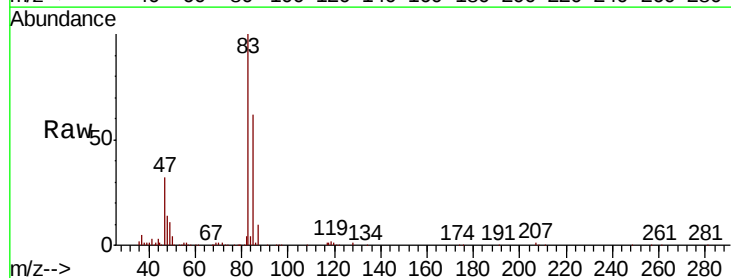
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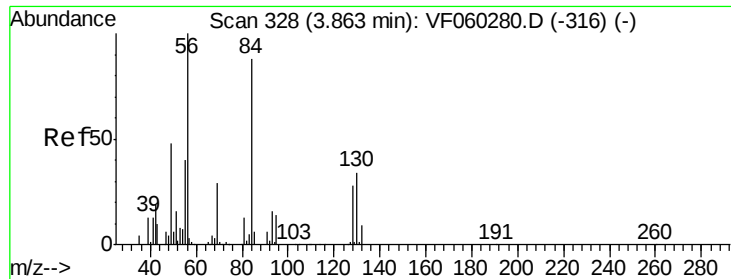
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#30
Chloroform
Concen: 20.33 ug/l
RT: 4.03 min Scan# 344
Delta R.T. -0.01 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	54.9	82.3





#31

Cyclohexane

Concen: 21.45 ug/l

RT: 3.85 min Scan# 326

Delta R.T. -0.02 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

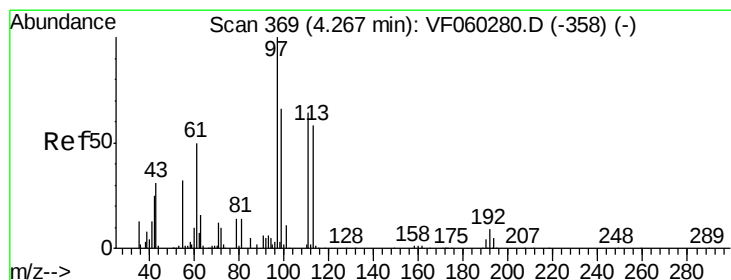
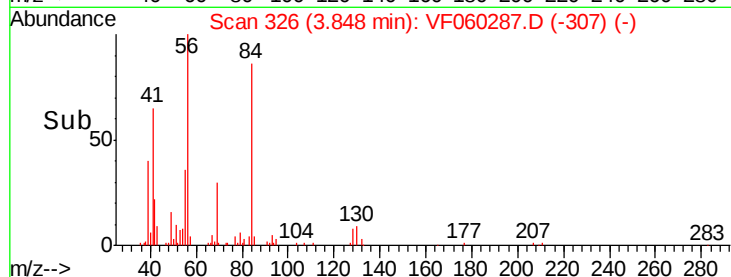
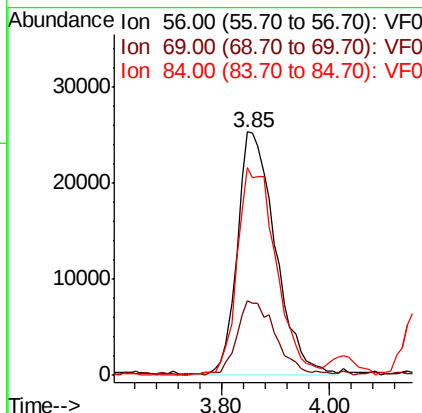
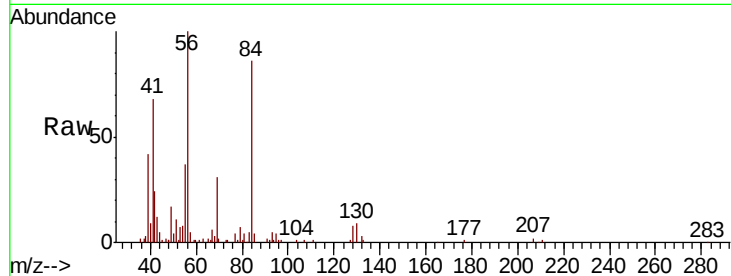
ClientSampleId :

VF0919SBS01

Tot Ion:	56	Resp:	124373
Ion Ratio	Lower	Upper	
56	100		
69	30.9	23.8	35.6
84	85.6	70.2	105.4

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#32

1,1,1-Trichloroethane

Concen: 21.46 ug/l

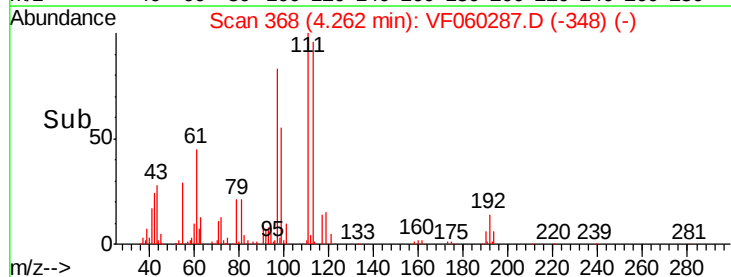
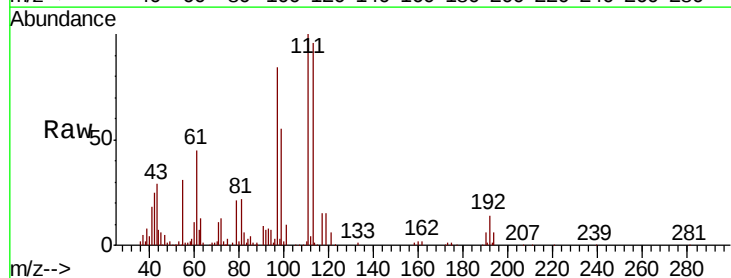
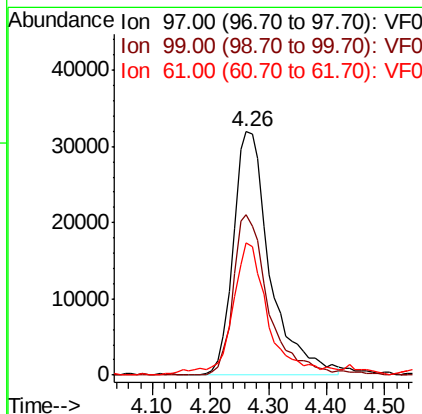
RT: 4.26 min Scan# 368

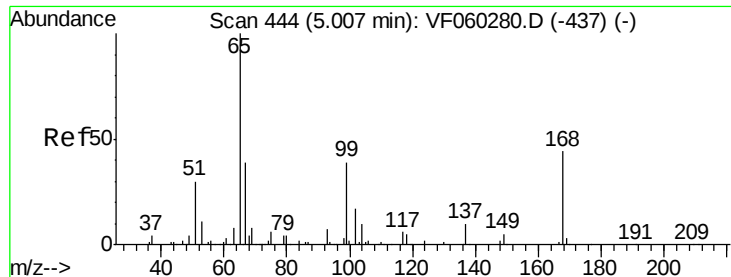
Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Tgt Ion:	97	Resp:	140290
Ion Ratio	Lower	Upper	
97	100		
99	66.1	53.0	79.4
61	54.3	40.6	61.0





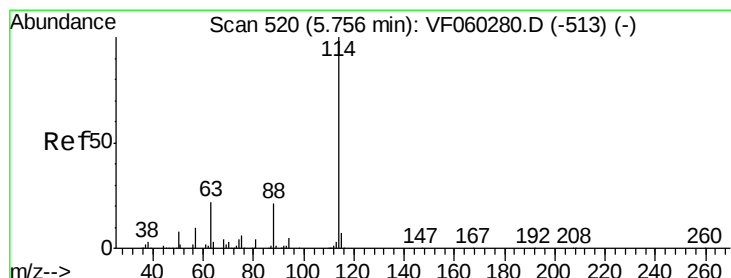
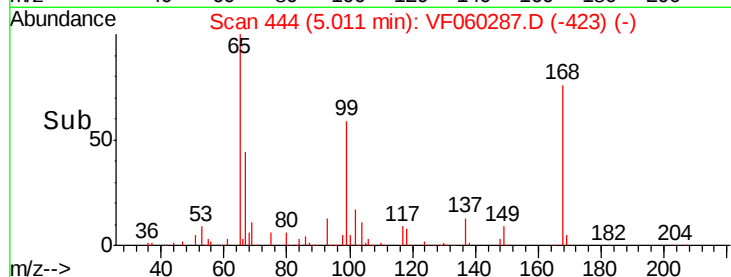
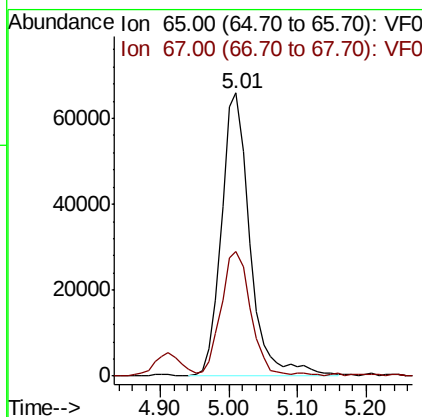
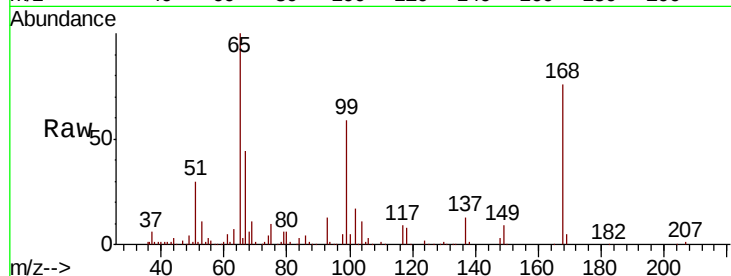
#33
 1,2-Dichloroethane-d4
 Concen: 49.95 ug/l
 RT: 5.01 min Scan# 444
 Delta R.T. 0.00 min
 Lab File: VF060287.D
 Acq: 19 Sep 2018 19:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0919SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	190014		
67	44.2	0.0	94.4	

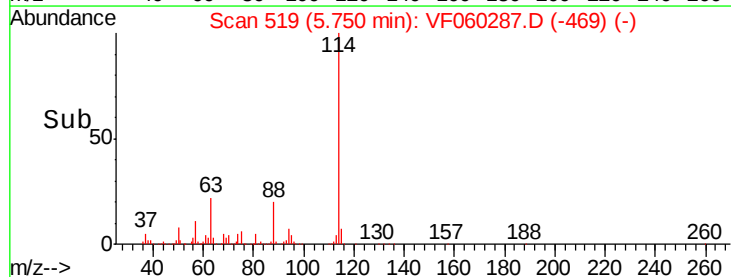
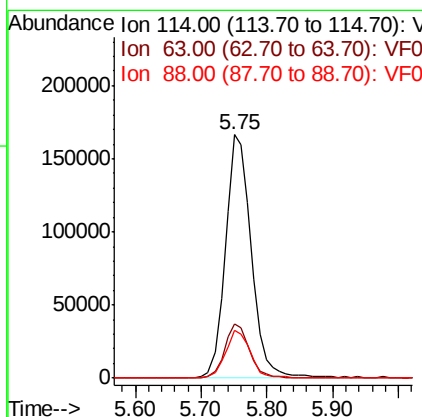
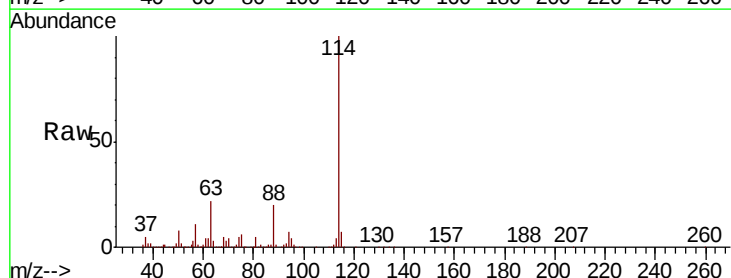
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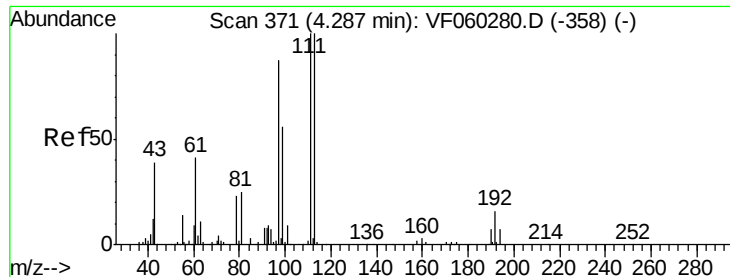
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.75 min Scan# 519
 Delta R.T. -0.01 min
 Lab File: VF060287.D
 Acq: 19 Sep 2018 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	457128		
63	22.1	0.0	43.8	
88	19.7	0.0	41.2	





#35

Dibromofluoromethane

Concen: 48.58 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

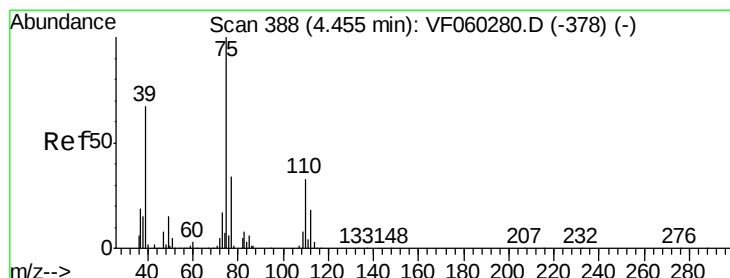
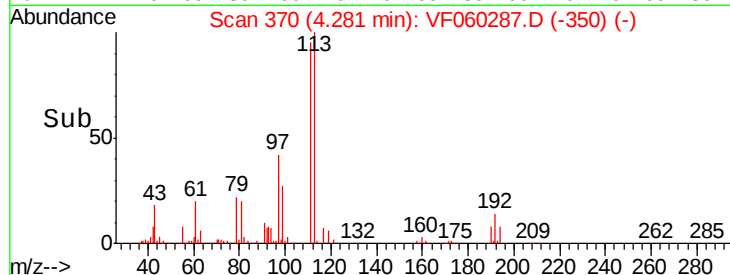
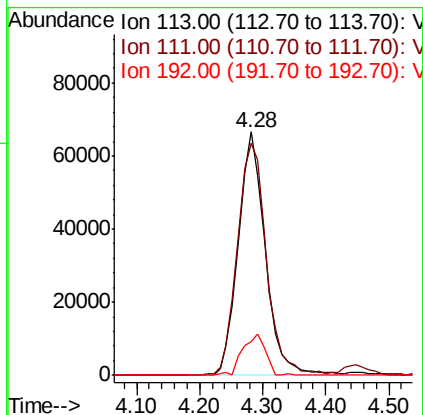
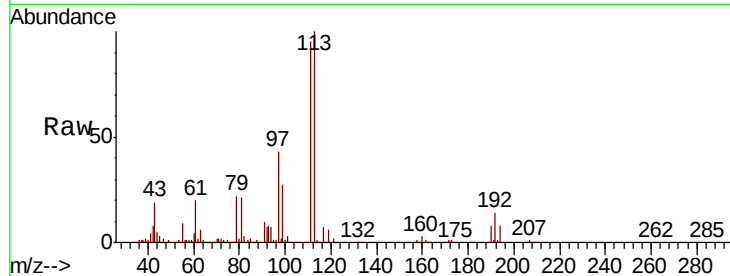
ClientSampleId :

VF0919SBS01

Tot Ion:	113	Resp:	197966
Ion Ratio	Lower	Upper	
113	100		
111	95.4	79.6	119.4
192	13.8	13.0	19.6

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#36

1,1-Dichloropropene

Concen: 20.99 ug/l

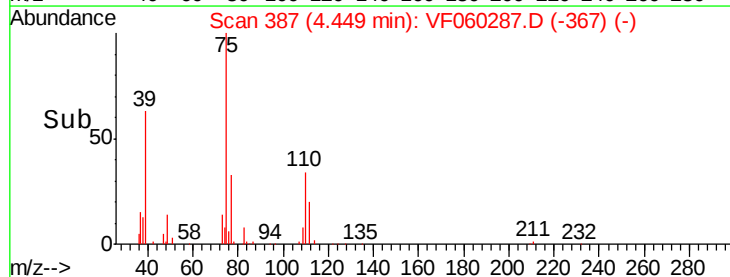
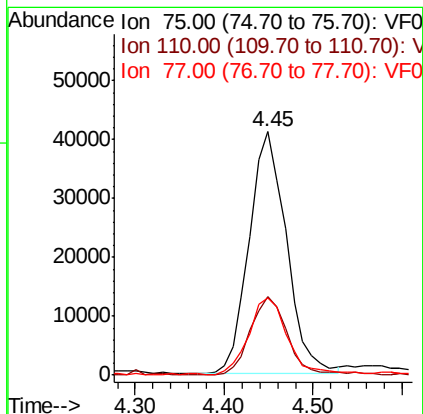
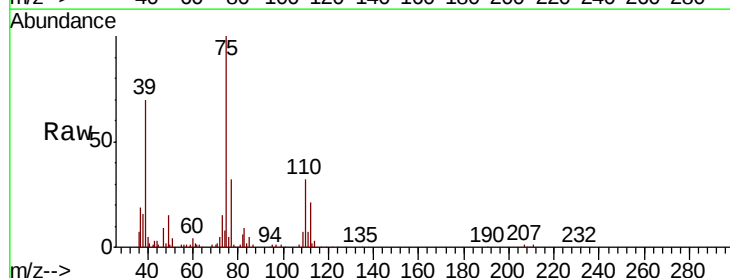
RT: 4.45 min Scan# 387

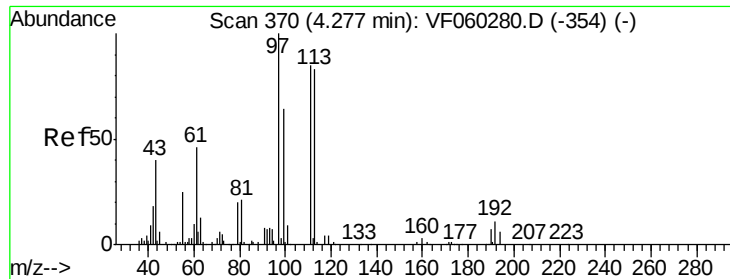
Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Tgt Ion:	75	Resp:	119699
Ion Ratio	Lower	Upper	
75	100		
110	32.0	16.4	49.2
77	31.9	27.3	40.9





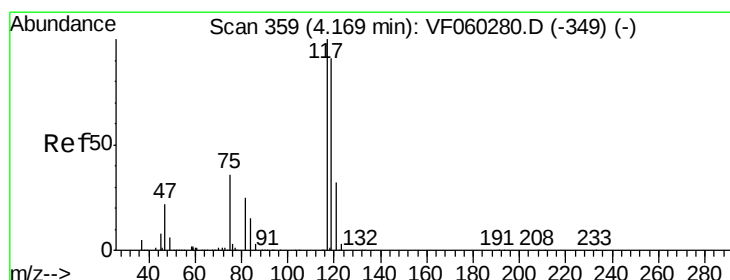
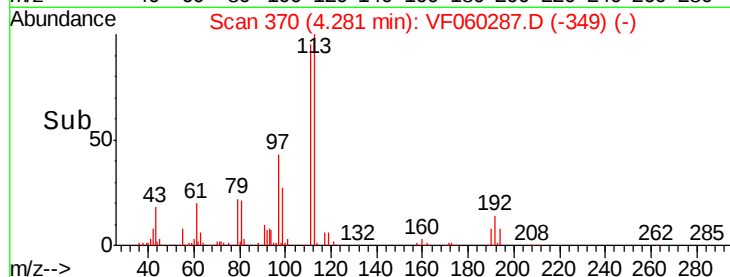
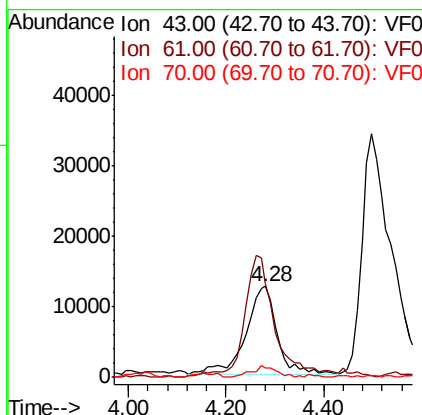
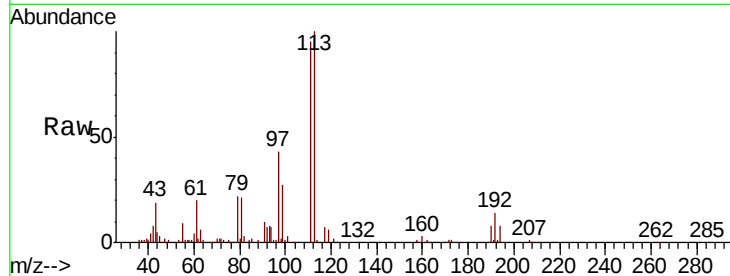
#37
Ethyl Acetate
Concen: 22.86 ug/l
RT: 4.28 min Scan# 370
Delta R.T. 0.00 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

Tot Ion	43	61	70	Ratio	Lower	Upper	Resp
43	100						55157
61	103.7	91.1	136.7				
70	9.7	6.9	10.3				

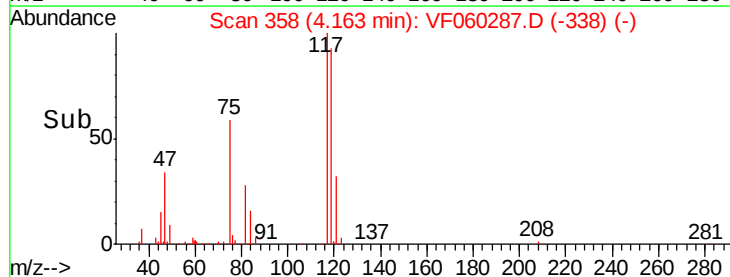
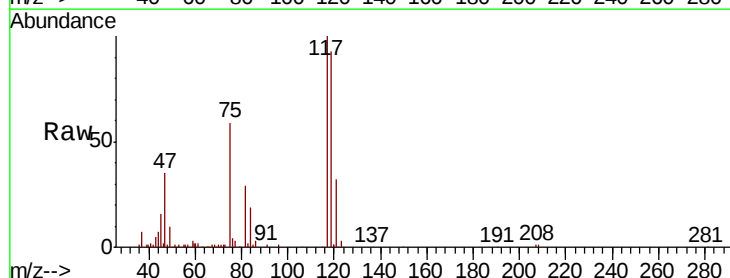
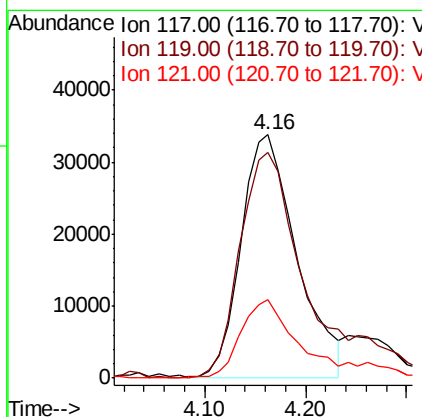
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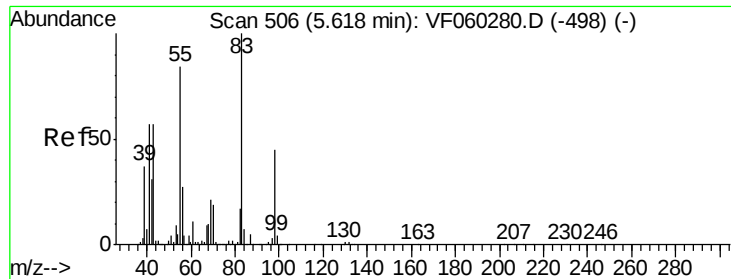
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#38
Carbon Tetrachloride
Concen: 21.06 ug/l
RT: 4.16 min Scan# 358
Delta R.T. -0.01 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

Tgt Ion	117	119	121	Ratio	Lower	Upper	Resp
117	100						129004
119	92.6	73.0	109.6				
121	32.1	25.4	38.2				





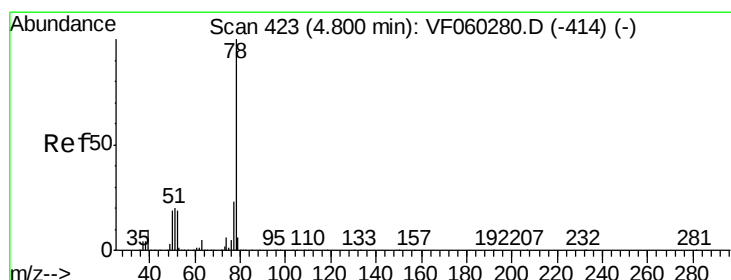
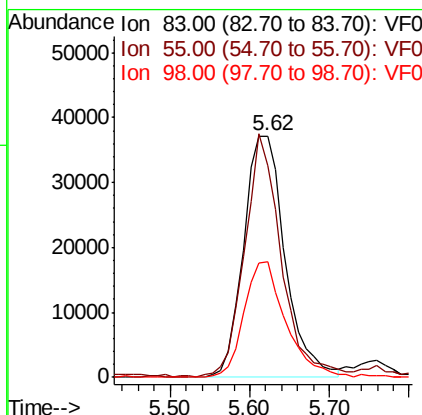
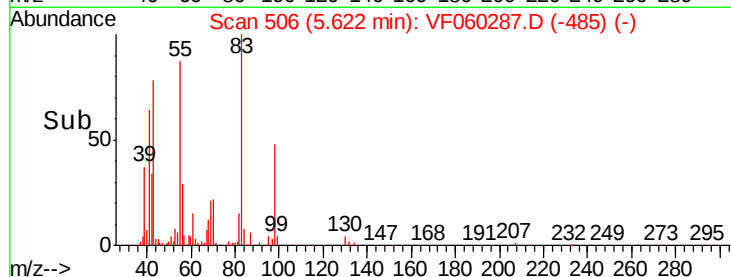
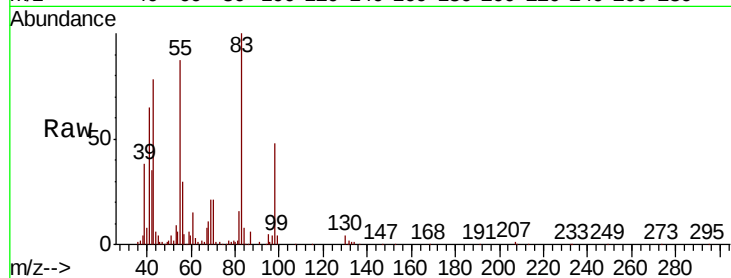
#39
Methvlcvclohexane
Concen: 21.43 ug/l
RT: 5.62 min Scan# 506
Delta R.T. 0.00 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.4	67.3	100.9
98	47.8	36.1	54.1

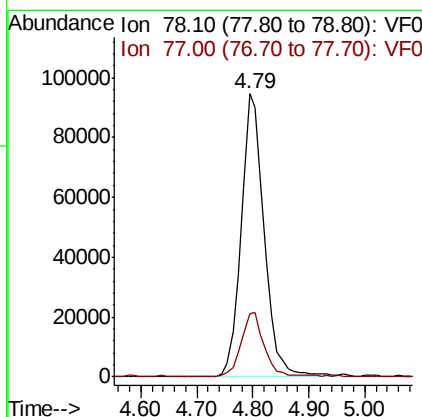
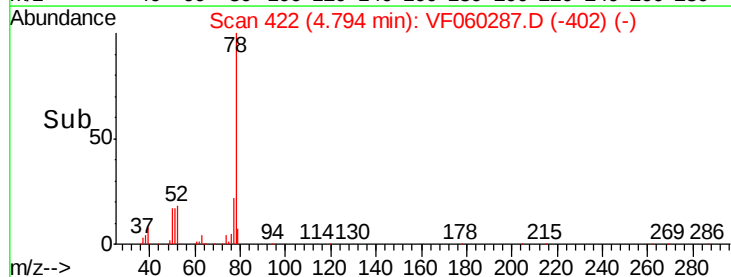
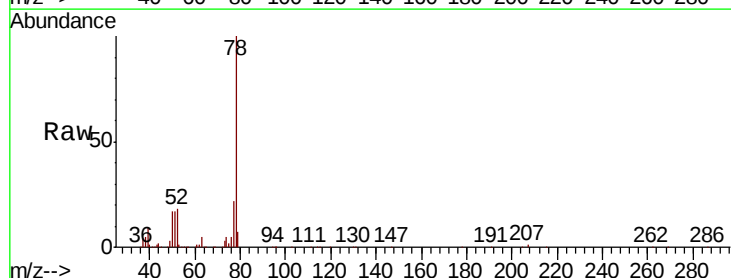
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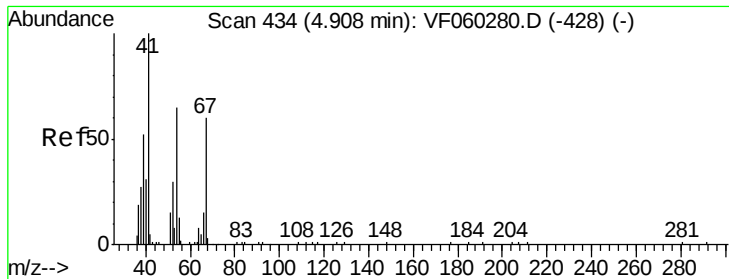
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#40
Benzene
Concen: 20.81 ug/l
RT: 4.79 min Scan# 422
Delta R.T. -0.01 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	18.4	27.6





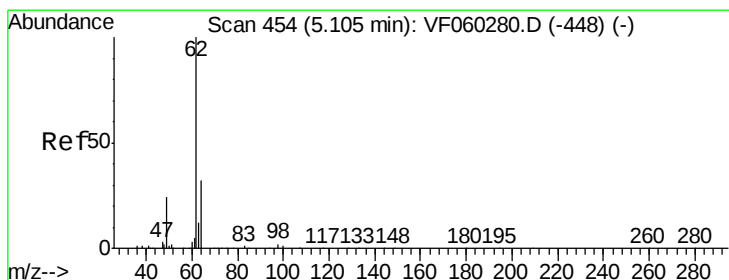
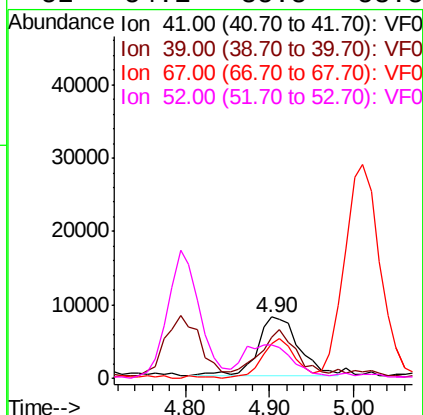
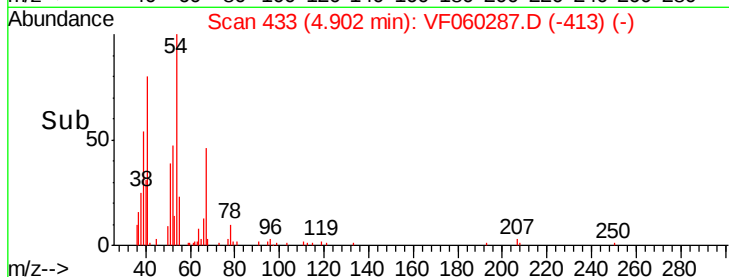
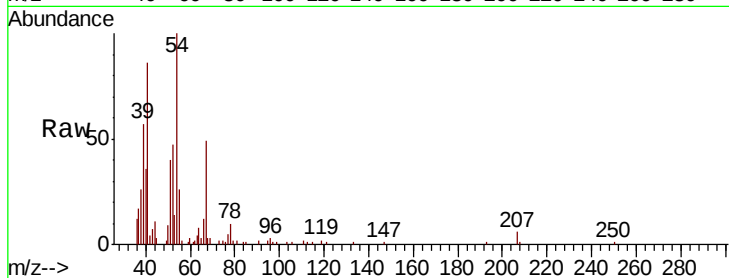
#41
Methacrylonitrile
Concen: 21.24 ug/l
RT: 4.90 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	66.5	49.1	73.7	
67	56.4	48.2	72.4	
52	54.1	35.8	53.8	

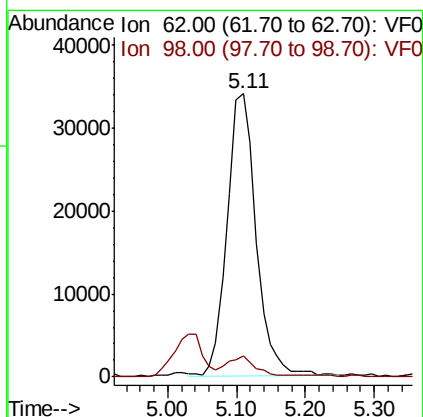
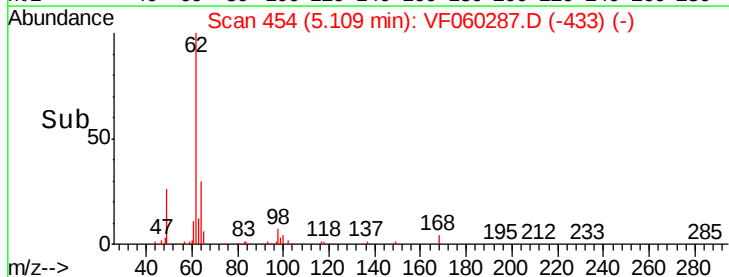
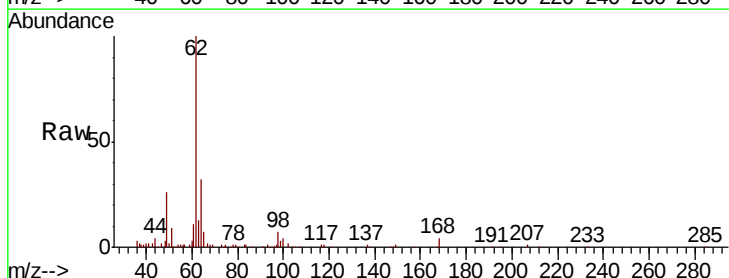
Manual Integrations
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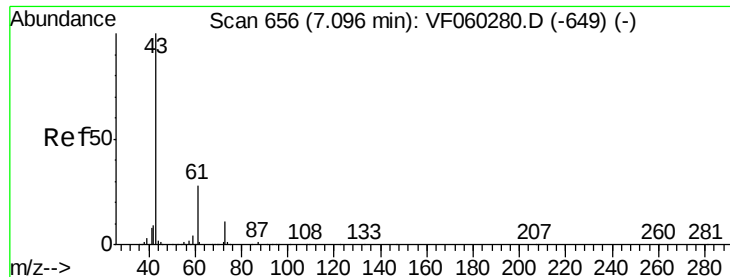
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9/20/2018 11:55:09 AM



#42
1,2-Dichloroethane
Concen: 21.03 ug/l
RT: 5.11 min Scan# 454
Delta R.T. 0.00 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.4	0.0	14.4	





#43

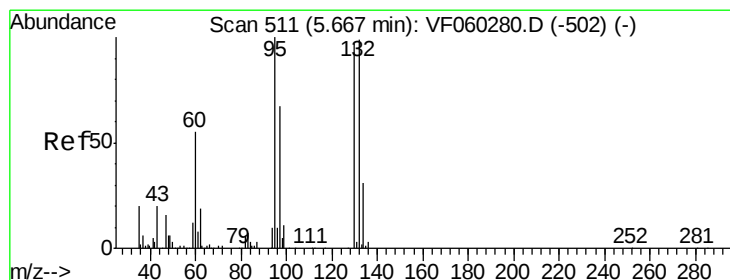
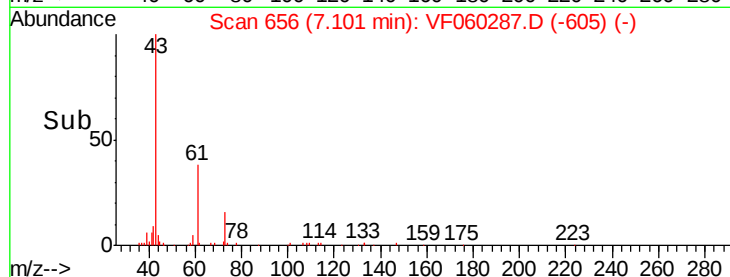
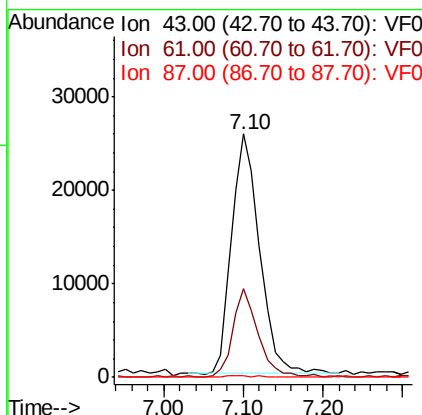
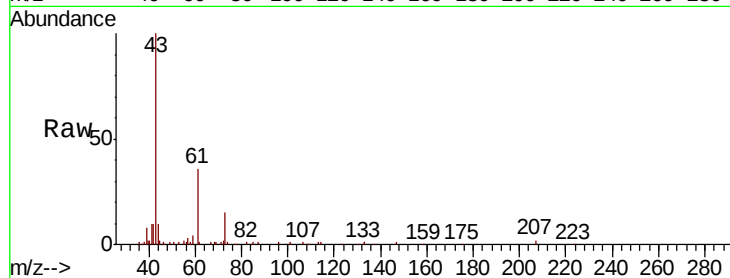
Isopropyl Acetate
 Concen: 21.58 ug/l
 RT: 7.10 min Scan# 656
 Delta R.T. 0.00 min
 Lab File: VF060287.D
 Acq: 19 Sep 2018 19:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0919SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	36.2	22.4	33.6#
87	0.8	0.6	0.8

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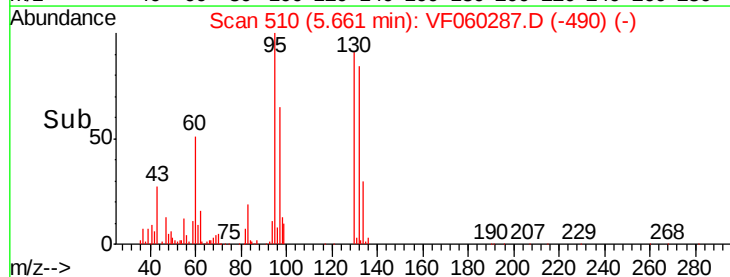
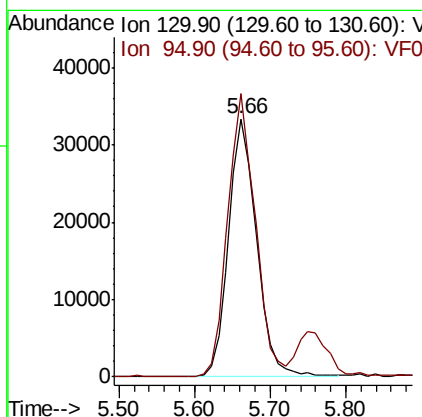
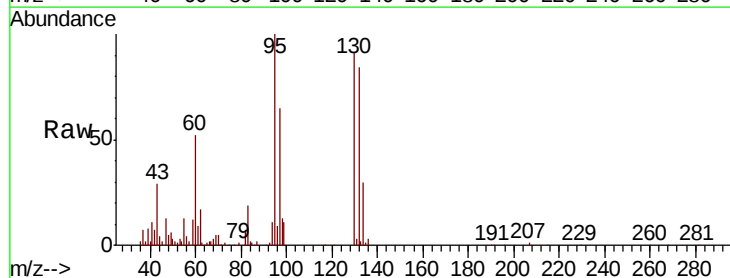
apatel
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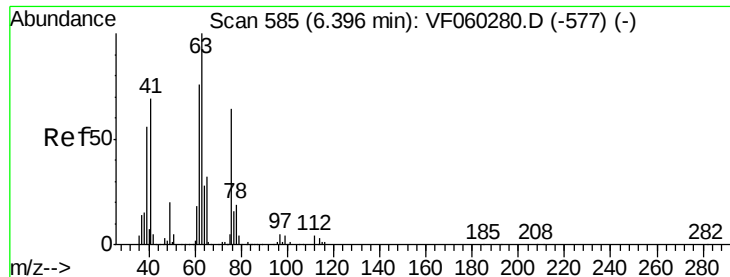


#44

Trichloroethene
 Concen: 22.26 ug/l
 RT: 5.66 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: VF060287.D
 Acq: 19 Sep 2018 19:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	109.7	0.0	205.6





#45

1,2-Dichloropropane

Concen: 22.16 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

Tot Ion: 63 Resp: 74162

Ion Ratio Lower Upper

63 100

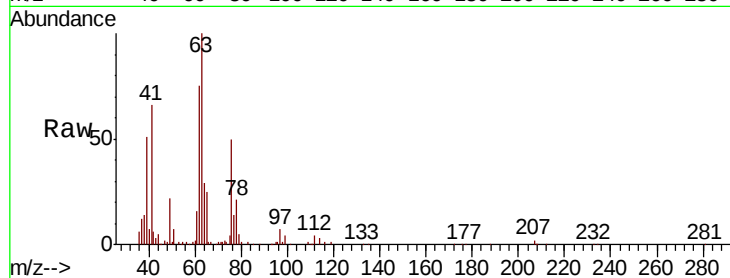
65 25.2 26.2 39.4#

Manual Integrations

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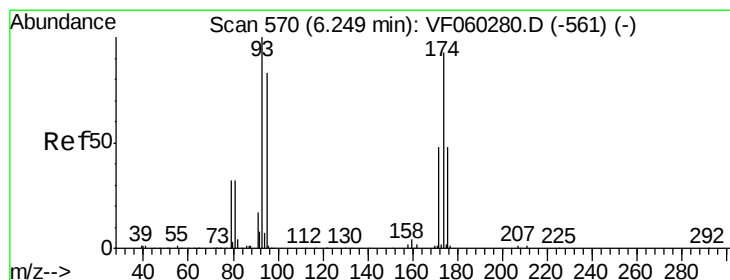
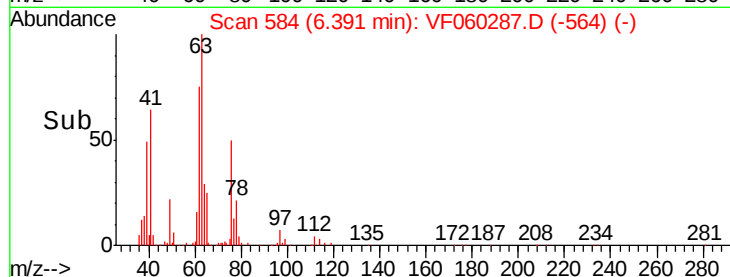
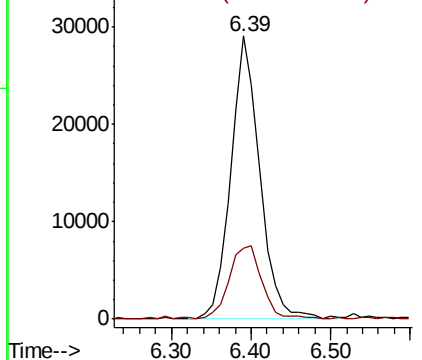
apatel

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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: 20.88 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

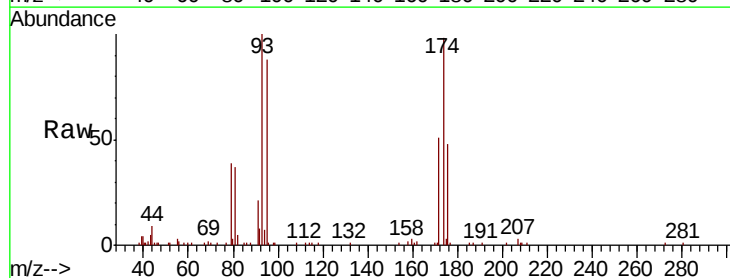
Tgt Ion: 93 Resp: 49949

Ion Ratio Lower Upper

93 100

95 88.0 67.0 100.6

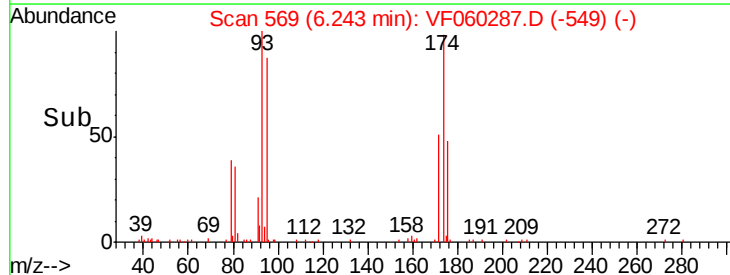
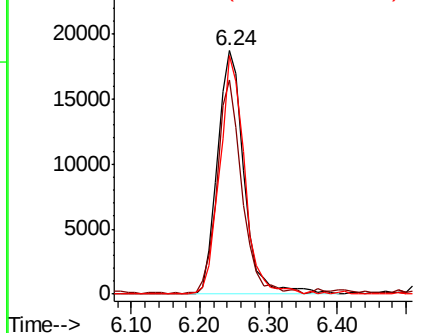
174 98.0 74.8 112.2

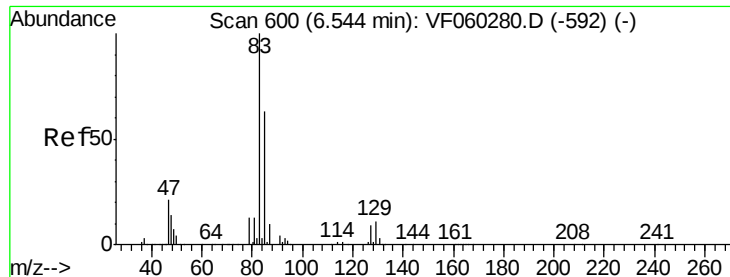


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 21.46 ug/l

RT: 6.54 min Scan# 599

Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

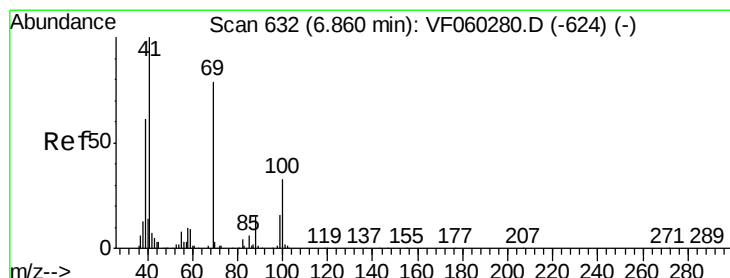
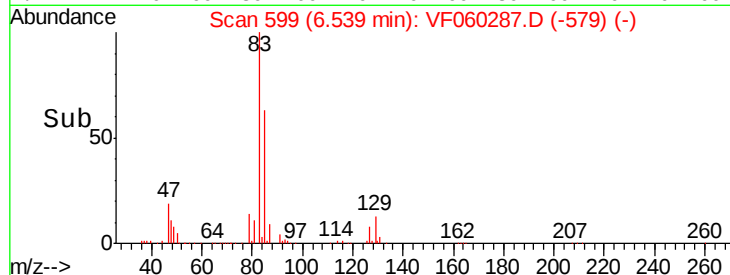
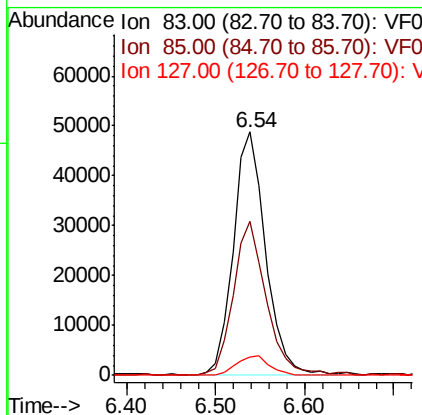
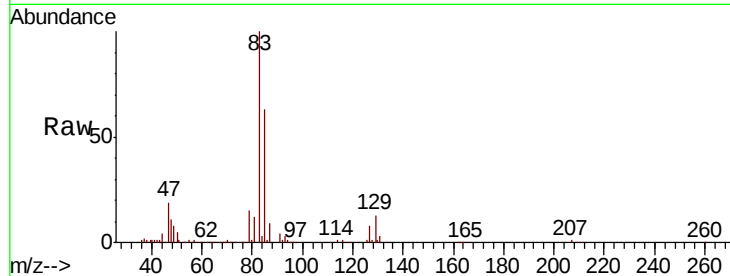
ClientSampleId :

VF0919SBSD01

Tot Ion:	83	Resp:	123354
Ion Ratio	Lower	Upper	
83	100		
85	63.3	50.6	76.0
127	7.7	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.08 ug/l

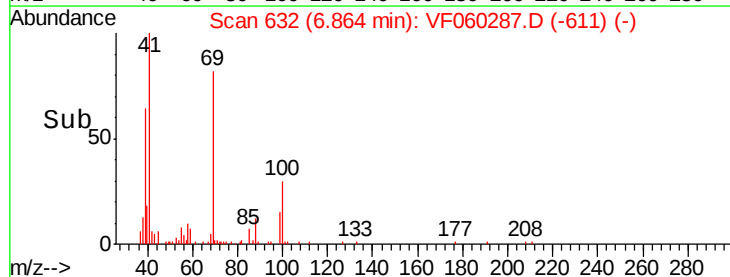
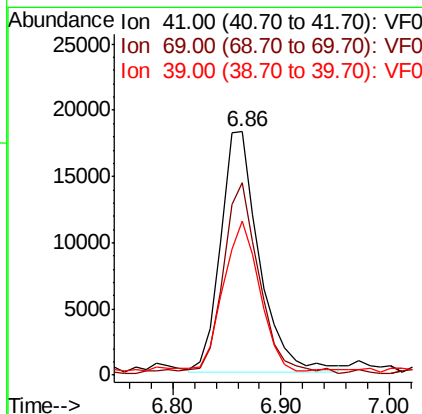
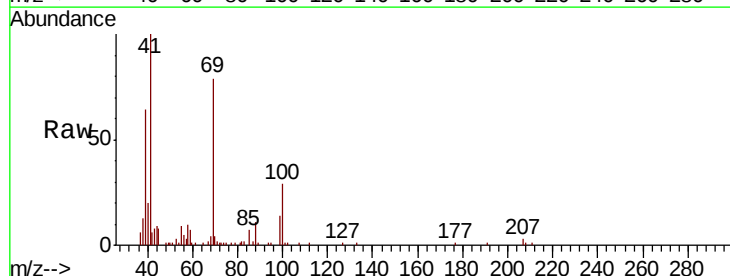
RT: 6.86 min Scan# 632

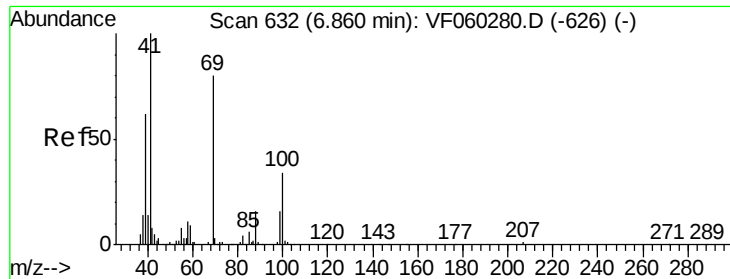
Delta R.T. 0.00 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Tgt Ion:	41	Resp:	45016
Ion Ratio	Lower	Upper	
41	100		
69	79.1	62.6	94.0
39	63.5	49.1	73.7





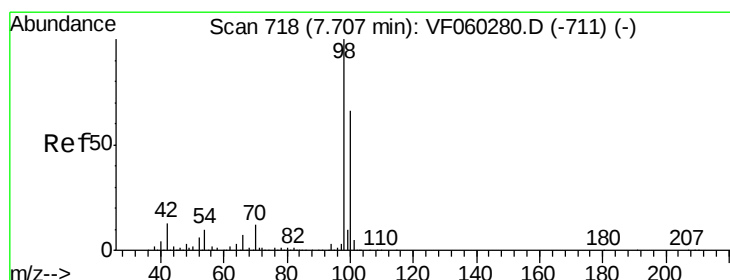
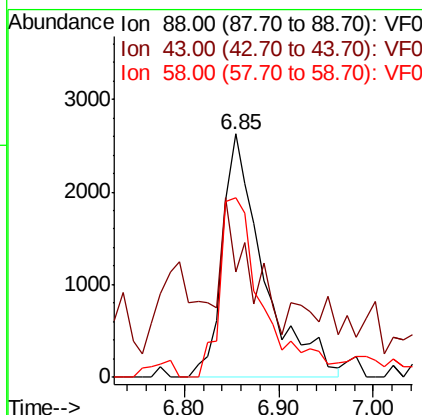
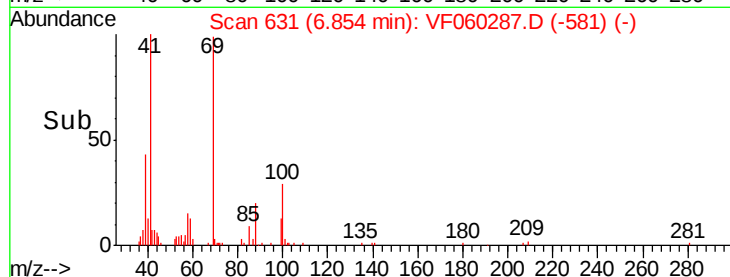
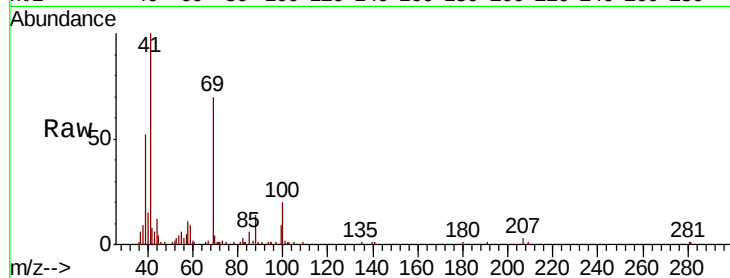
#49
1,4-Dioxane
Concen: 436.33 ug/l
RT: 6.85 min Scan# 631
Delta R.T. -0.01 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.3	40.2	60.4
58	73.6	56.7	85.1

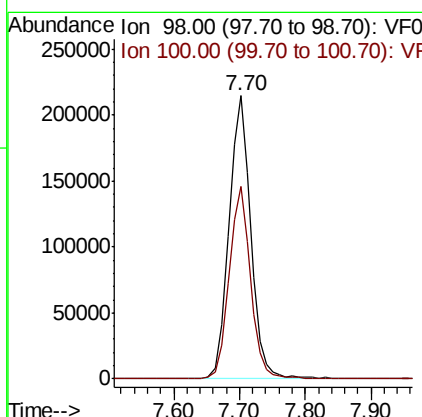
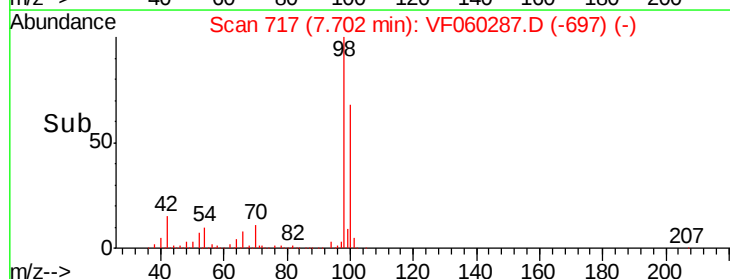
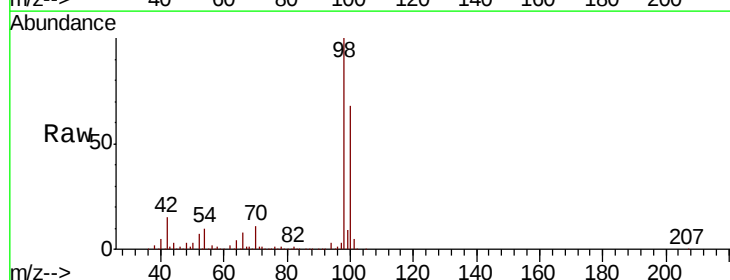
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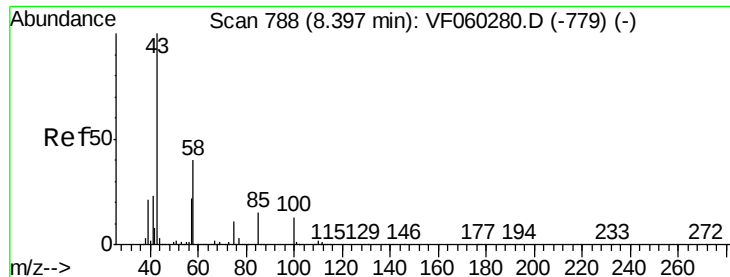
apatel
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#50
Toluene-d8
Concen: 46.93 ug/l
RT: 7.70 min Scan# 717
Delta R.T. -0.01 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.8	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 105.35 ug/l

RT: 8.39 min Scan# 787

Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

Tot Ion: 43 Resp: 235843

Ion Ratio Lower Upper

43 100

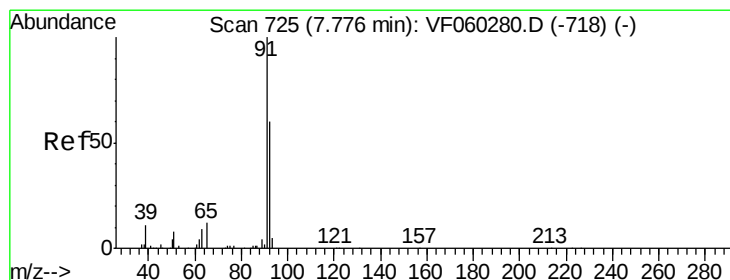
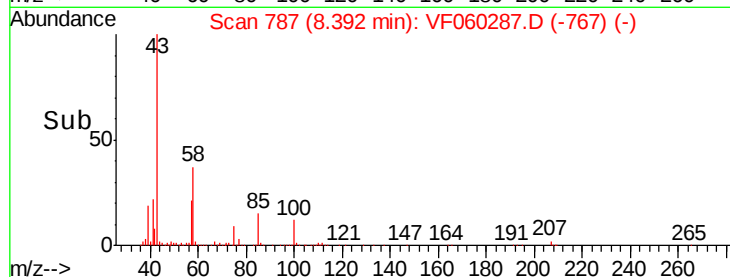
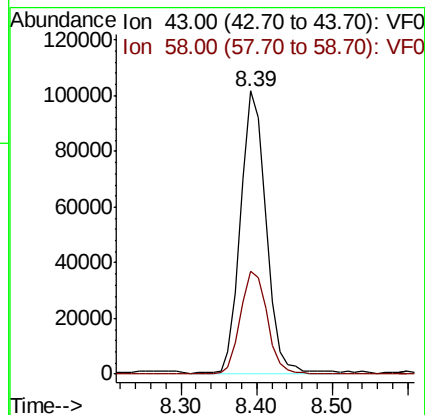
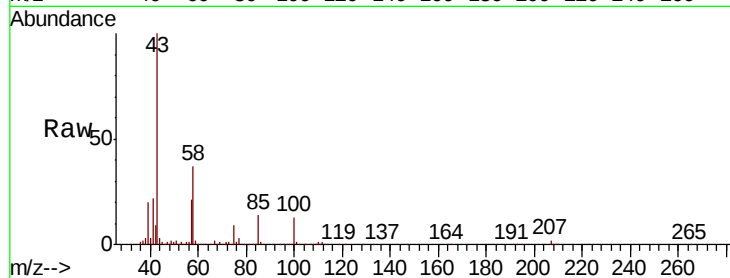
58 36.5 31.8 47.8

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#52

Toluene

Concen: 20.36 ug/l

RT: 7.77 min Scan# 724

Delta R.T. -0.01 min

Lab File: VF060287.D

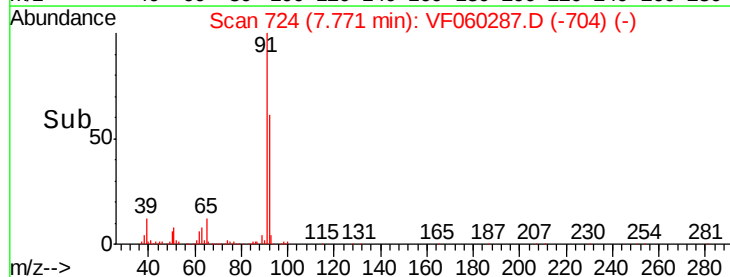
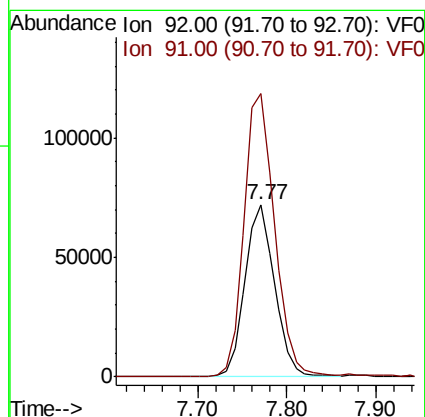
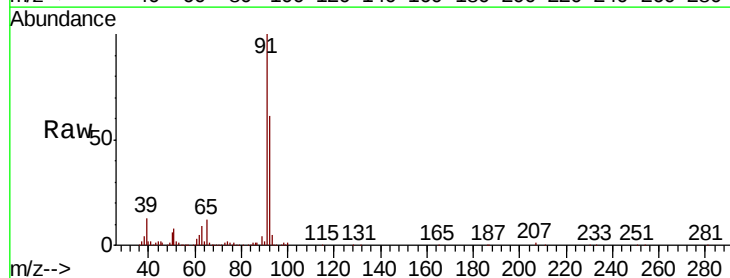
Acq: 19 Sep 2018 19:03

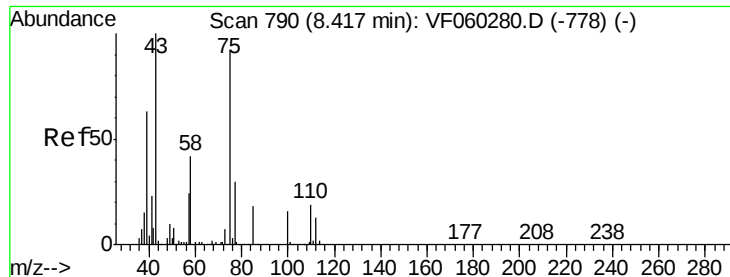
Tgt Ion: 92 Resp: 166503

Ion Ratio Lower Upper

92 100

91 164.6 133.3 199.9





#53

t-1,3-Dichloropropene

Concen: 21.21 ug/l

RT: 8.42 min Scan# 790

Delta R.T. 0.00 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Tot Ion	75	Resp	98328
Ion Ratio	Lower	Upper	
75	100		
77	30.5	25.9	38.9

Instrument :

MSVOA_F

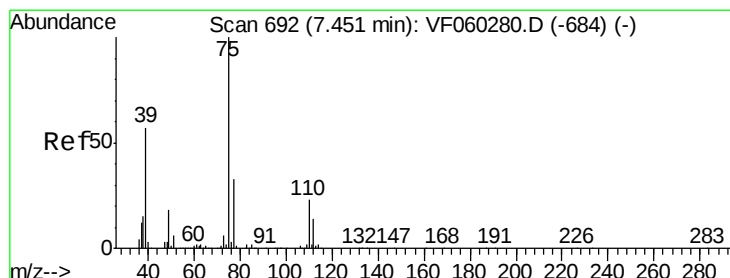
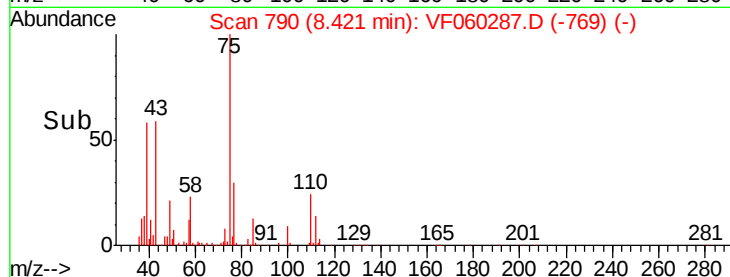
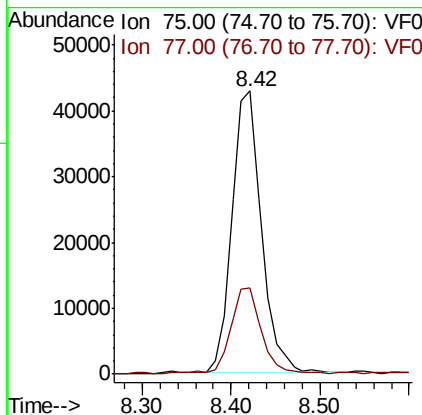
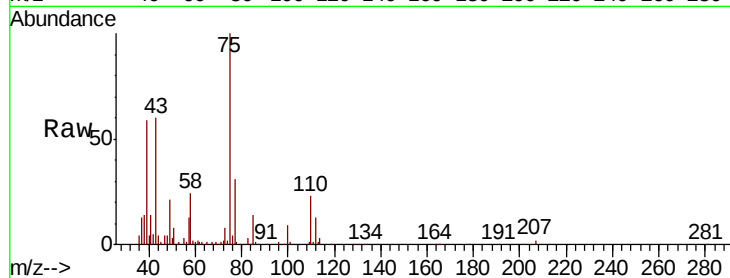
ClientSampleId :

VF0919SBS01

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#54

cis-1,3-Dichloropropene

Concen: 20.49 ug/l

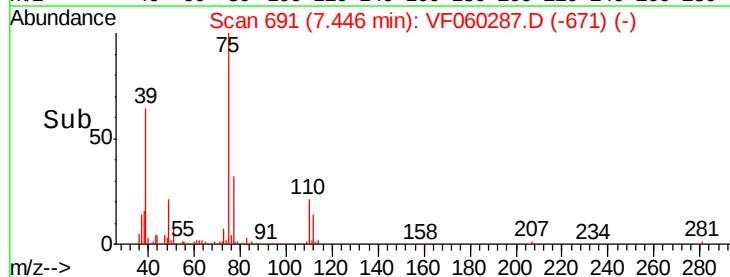
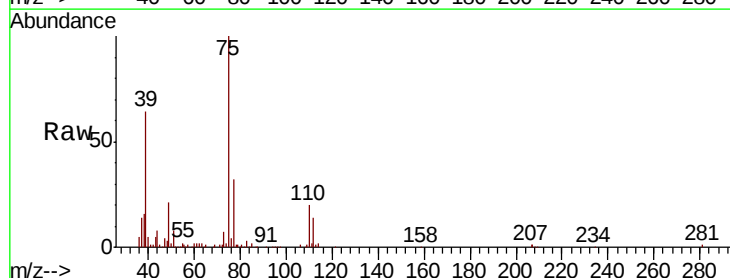
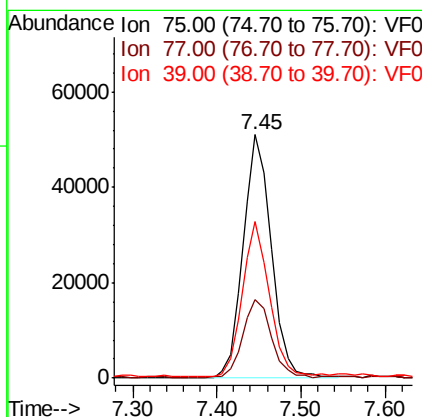
RT: 7.45 min Scan# 691

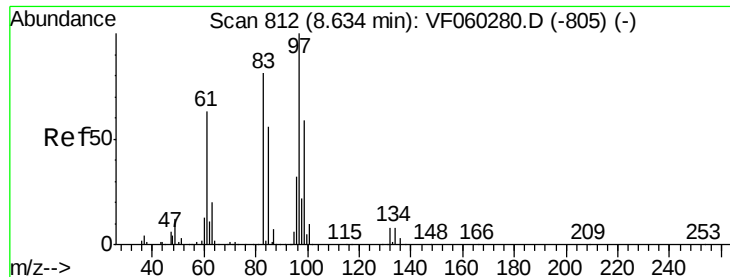
Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Tgt Ion	75	Resp	119681
Ion Ratio	Lower	Upper	
75	100		
77	32.4	26.3	39.5
39	64.5	46.1	69.1





#55

1,1,2-Trichloroethane

Concen: 21.82 ug/l

RT: 8.63 min Scan# 811

Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

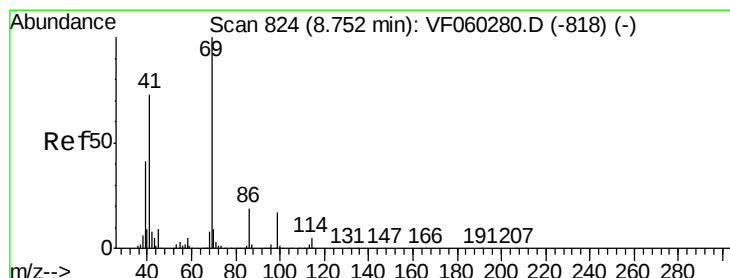
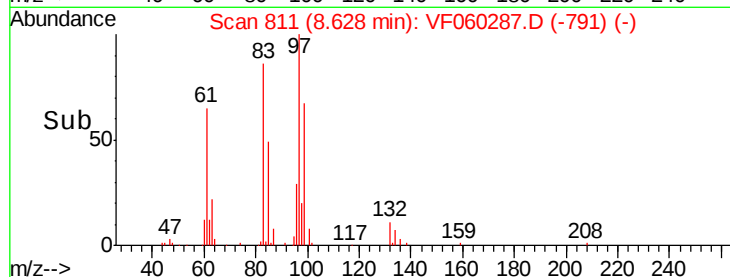
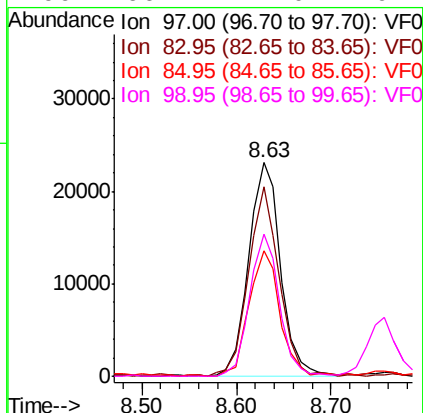
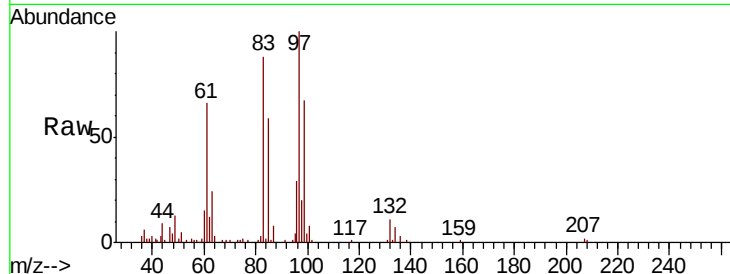
ClientSampleId :

VF0919SBS01

Tot Ion:	97	Resp:	54166
Ion Ratio	Lower	Upper	
97	100		
83	88.4	65.3	97.9
85	58.9	44.7	67.1
99	66.7	47.0	70.4

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#56

Ethyl methacrylate

Concen: 21.16 ug/l

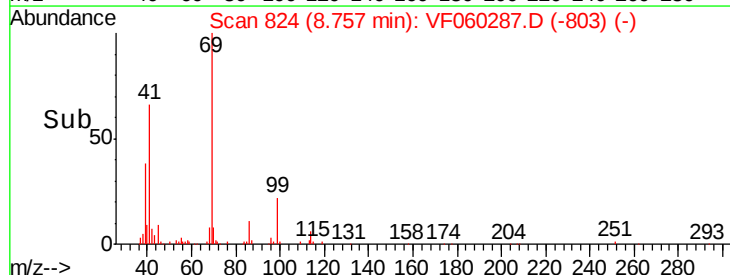
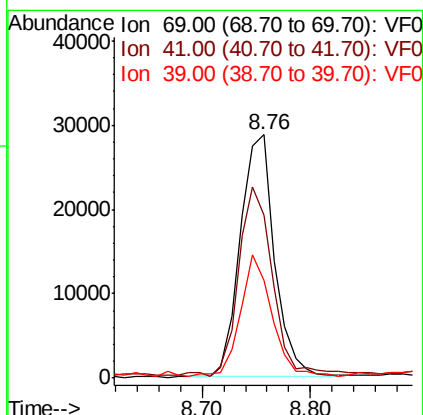
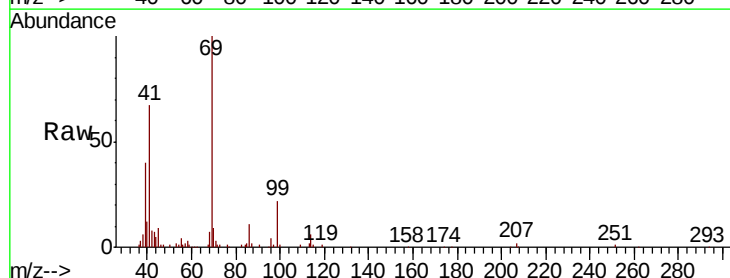
RT: 8.76 min Scan# 824

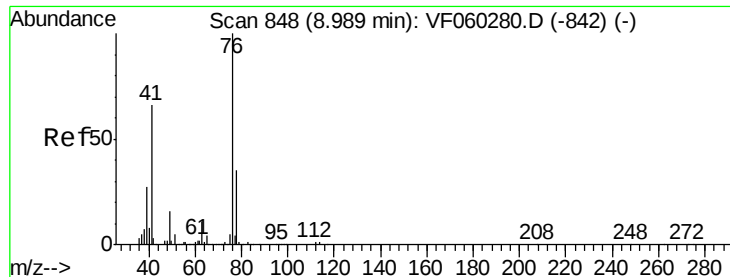
Delta R.T. 0.00 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Tgt Ion:	69	Resp:	63440
Ion Ratio	Lower	Upper	
69	100		
41	67.0	59.4	89.2
39	40.1	33.5	50.3





#57

1,3-Dichloropropane

Concen: 19.97 ug/l

RT: 8.99 min Scan# 848

Delta R.T. 0.00 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

Tot Ion: 76 Resp: 82069

Ion Ratio Lower Upper

76 100

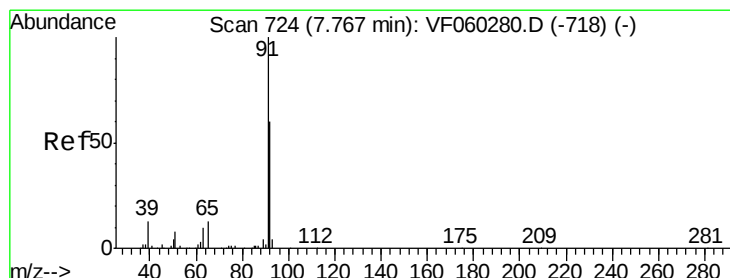
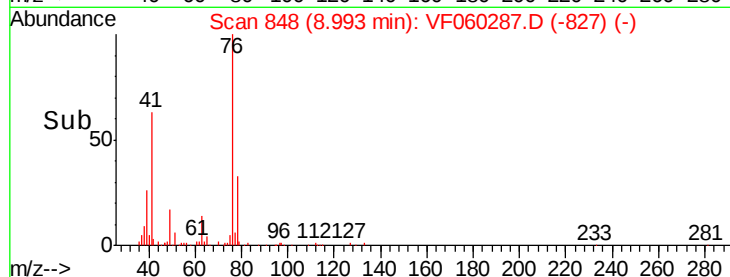
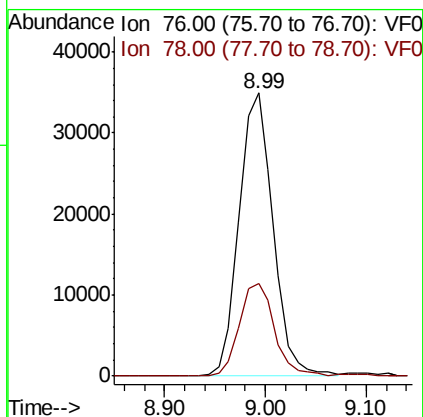
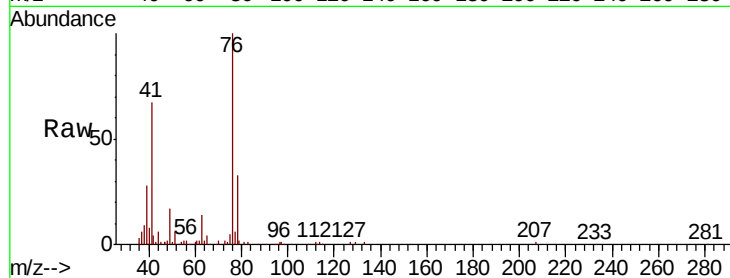
78 32.6 28.2 42.2

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#58

2-Chloroethyl Vinyl ether

Concen: 104.39 ug/l

RT: 7.76 min Scan# 723

Delta R.T. -0.01 min

Lab File: VF060287.D

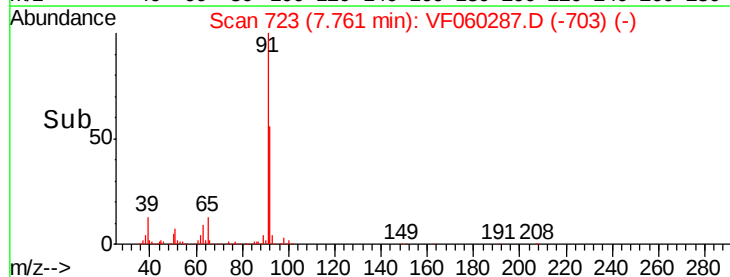
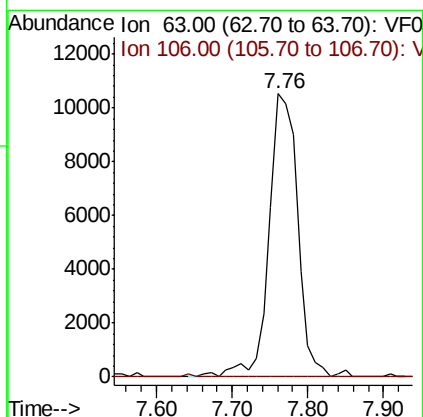
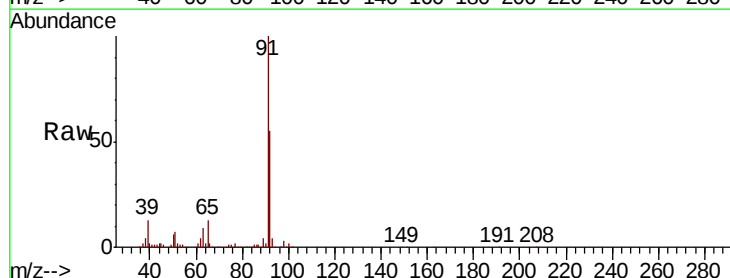
Acq: 19 Sep 2018 19:03

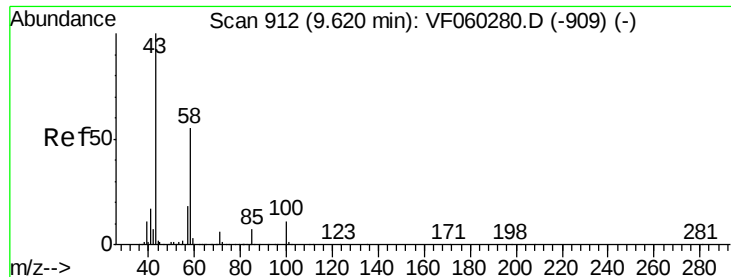
Tgt Ion: 63 Resp: 27670

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





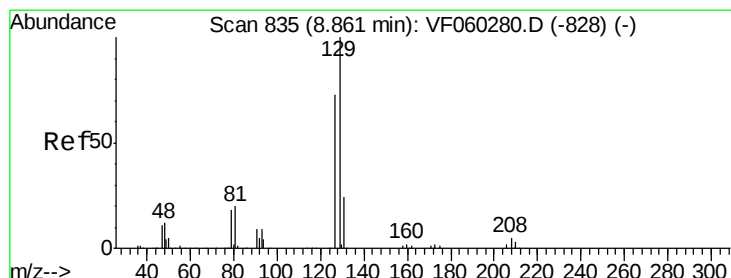
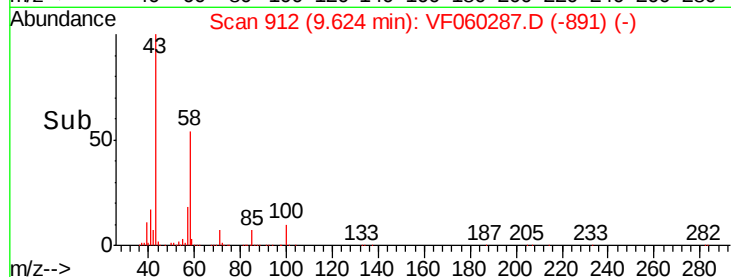
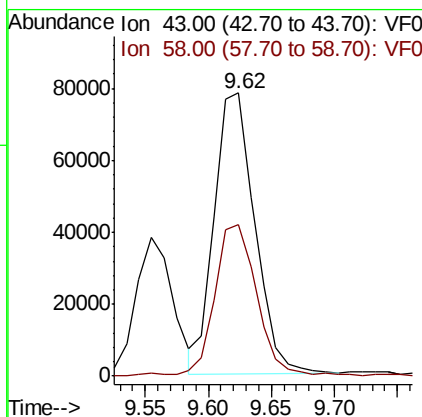
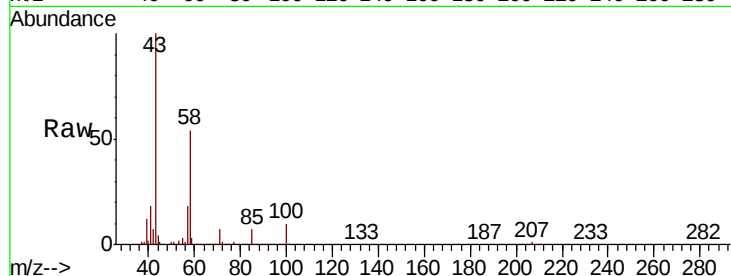
#59
2-Hexanone
Concen: 108.96 ug/l
RT: 9.62 min Scan# 912
Delta R.T. 0.00 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

Tot Ion: 43 Resp: 173673
Ion Ratio Lower Upper
43 100
58 53.7 25.9 77.6

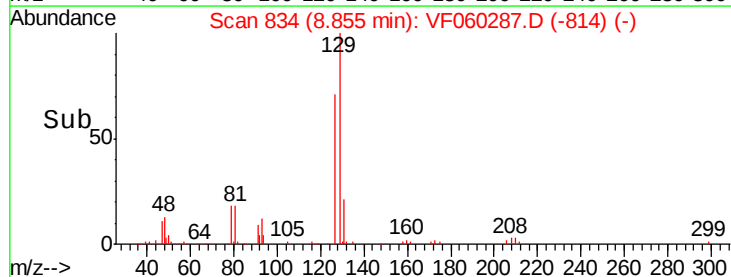
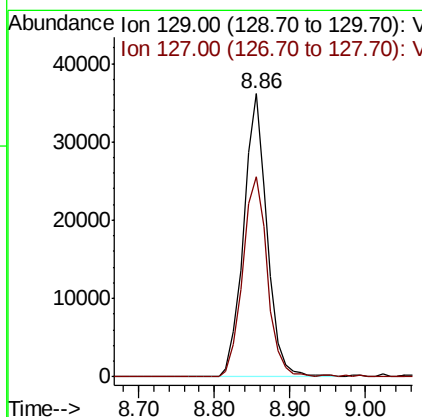
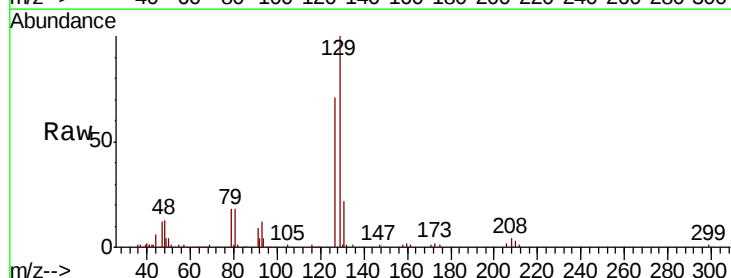
Manual Integrations
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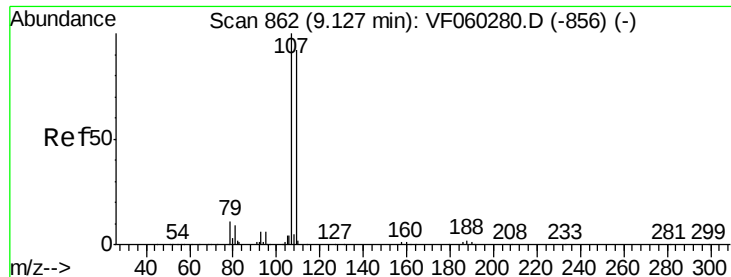
apatel
9/20/2018 11:55:09 AM



#60
Dibromochloromethane
Concen: 20.86 ug/l
RT: 8.86 min Scan# 834
Delta R.T. -0.01 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

Tgt Ion: 129 Resp: 77202
Ion Ratio Lower Upper
129 100
127 70.7 36.6 109.8





#61

1,2-Dibromoethane

Concen: 21.41 ug/l

RT: 9.13 min Scan# 862

Delta R.T. 0.00 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

Tot Ion:107 Resp: 59181

Ion Ratio Lower Upper

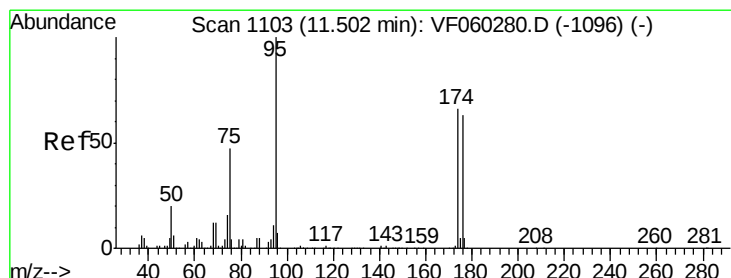
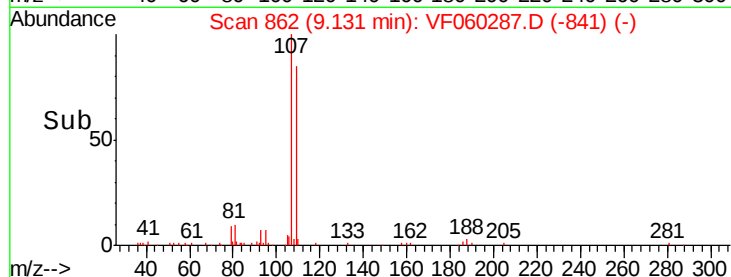
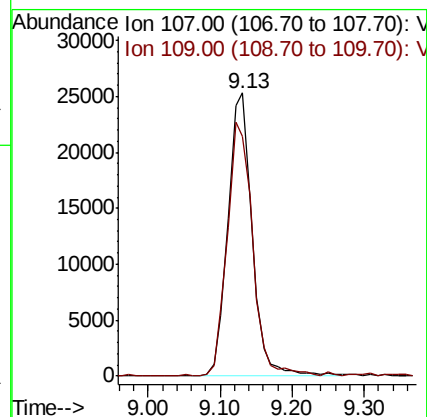
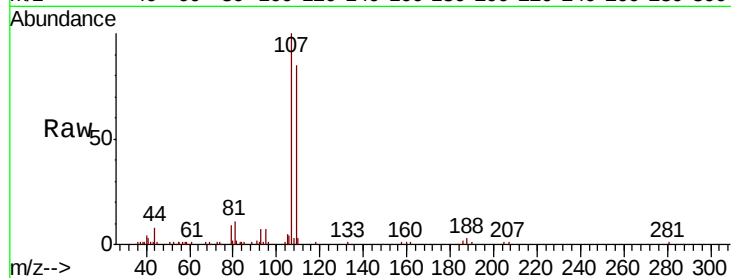
107 100

109 84.9 73.2 109.8

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 46.51 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

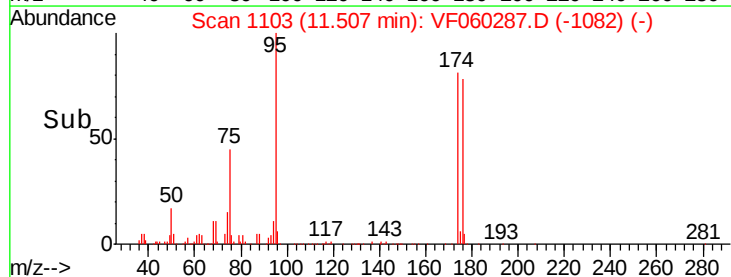
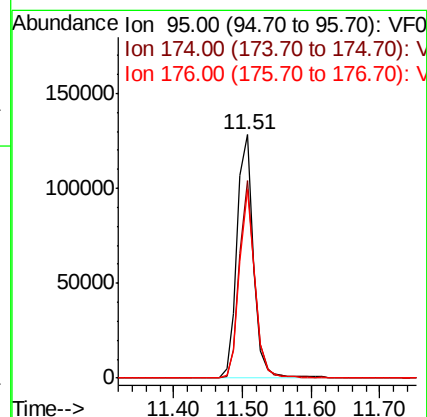
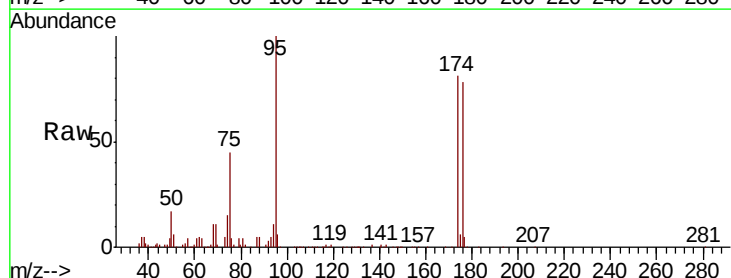
Tgt Ion: 95 Resp: 213345

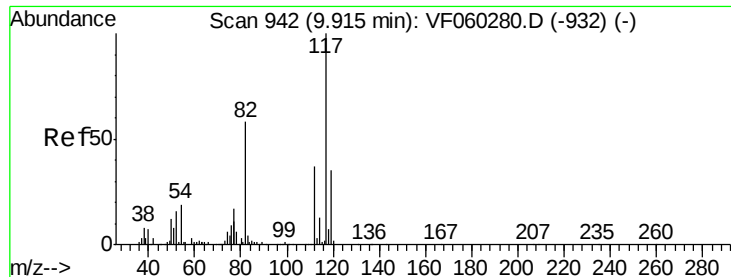
Ion Ratio Lower Upper

95 100

174 81.1 0.0 131.2

176 77.6 0.0 126.6





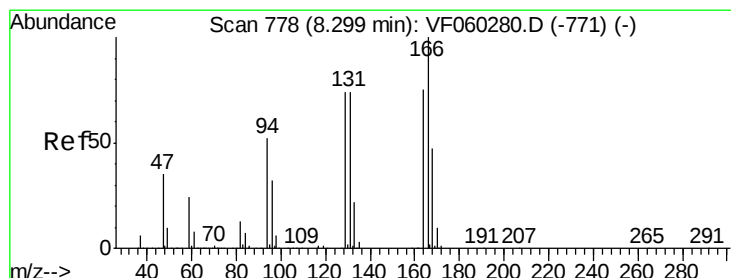
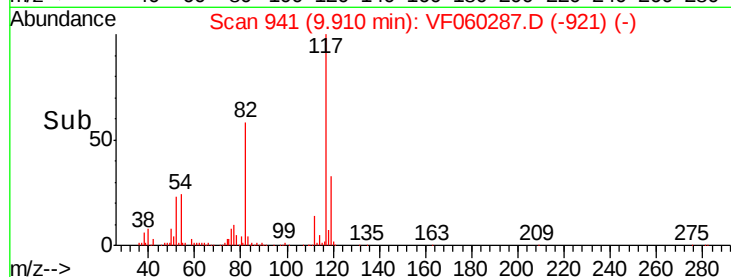
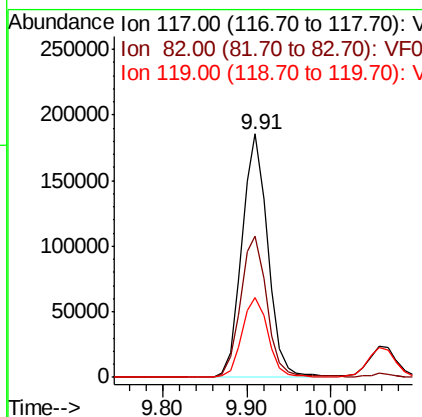
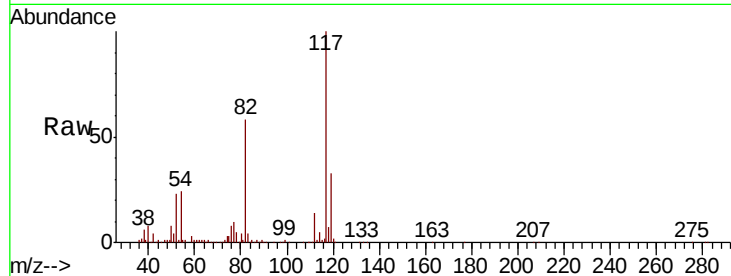
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

Tot Ion:	117	Resp:	397822
Ion Ratio	Lower	Upper	
117	100		
82	58.0	46.2	69.2
119	32.7	27.8	41.6

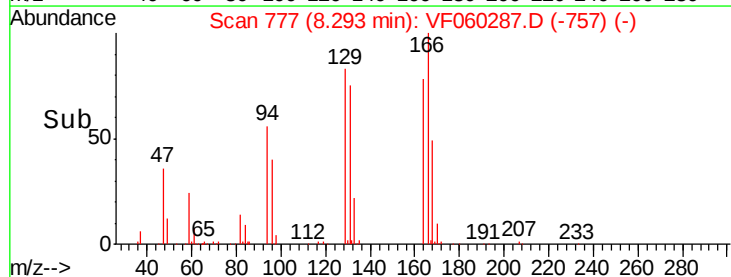
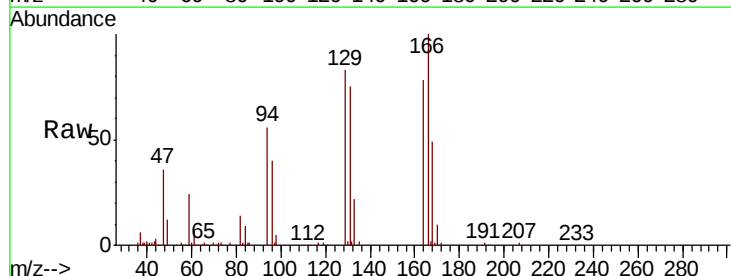
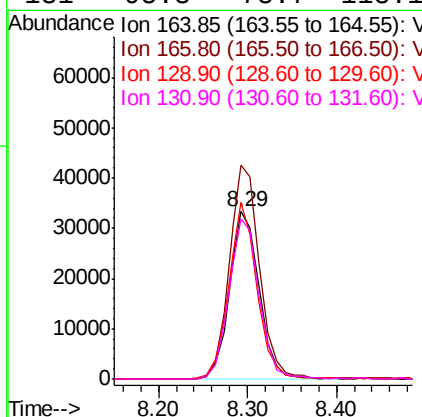
Manual Integrations
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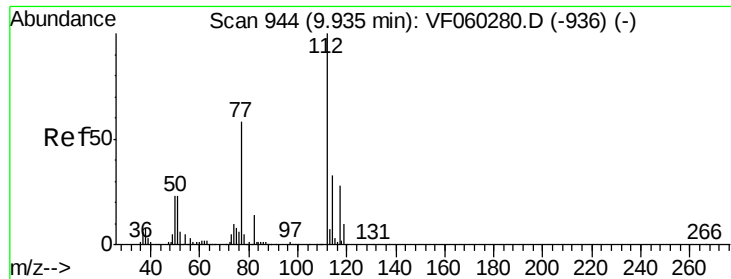
apatel
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#64
Tetrachloroethene
Concen: 21.43 ug/l
RT: 8.29 min Scan# 777
Delta R.T. -0.01 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

Tgt Ion:	164	Resp:	77272
Ion Ratio	Lower	Upper	
164	100		
166	127.5	106.8	160.2
129	105.4	78.8	118.2
131	95.3	78.7	118.1





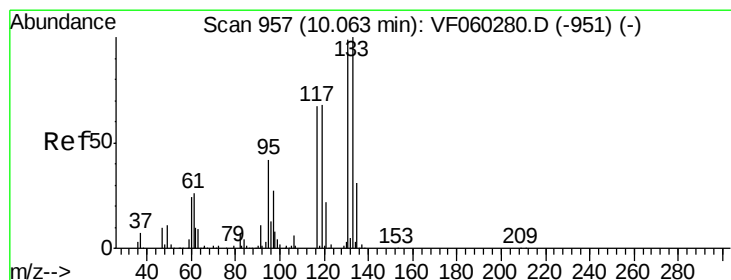
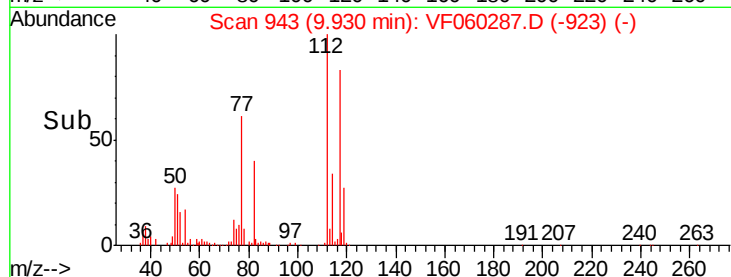
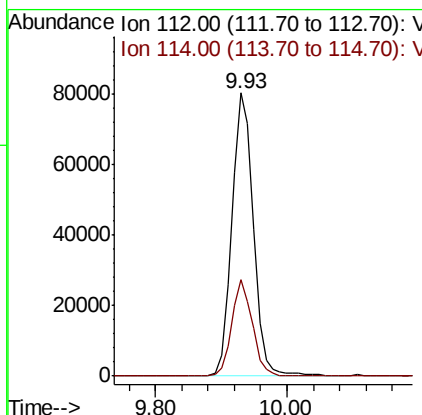
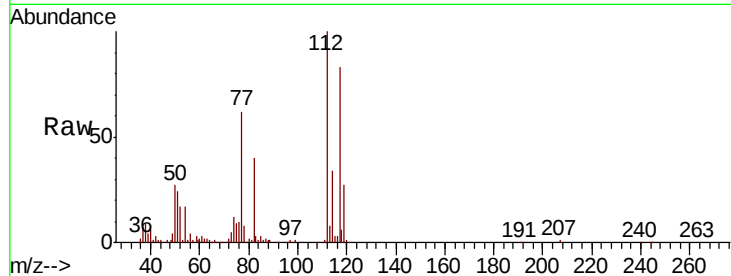
#65
Chlorobenzene
Concen: 20.47 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.01 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.9	26.6	40.0

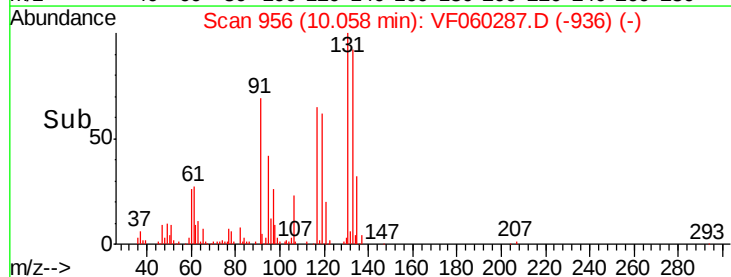
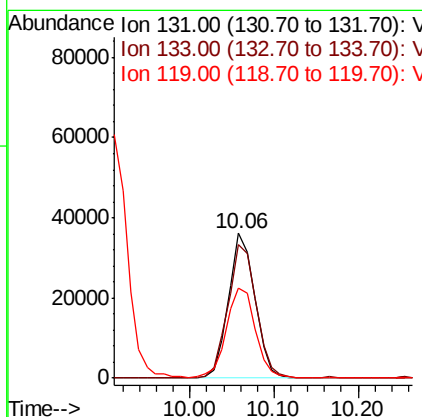
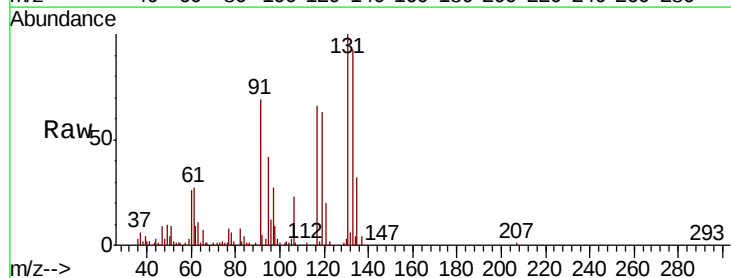
Manual Integrations
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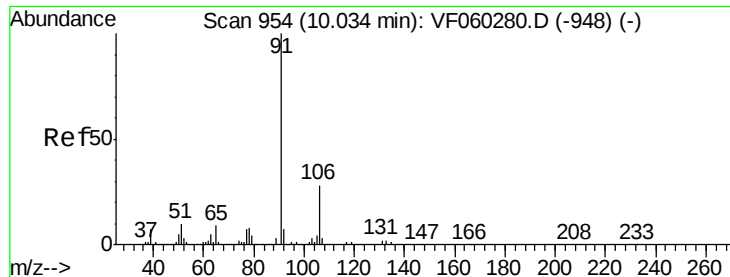
apatel
9/20/2018 11:55:09 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.17 ug/l
RT: 10.06 min Scan# 956
Delta R.T. -0.01 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.6	50.4	151.2
119	62.6	34.8	104.3





#67

Ethyl Benzene

Concen: 21.73 ug/l

RT: 10.03 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

Tot Ion: 91 Resp: 362317

Ion Ratio Lower Upper

91 100

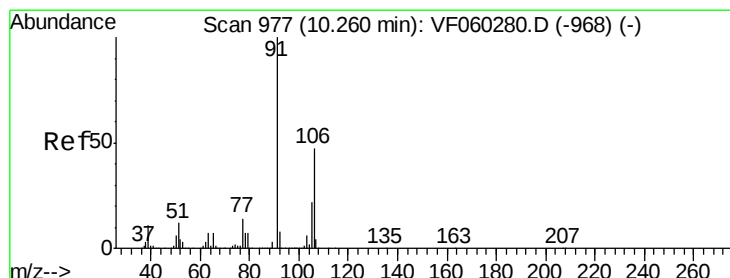
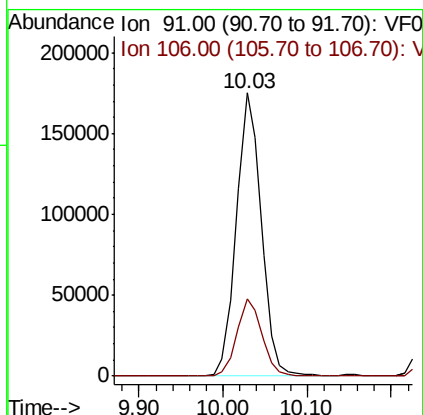
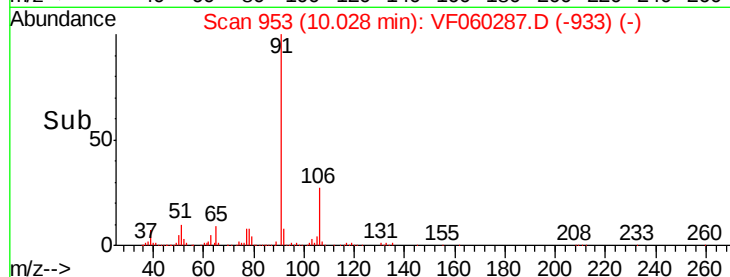
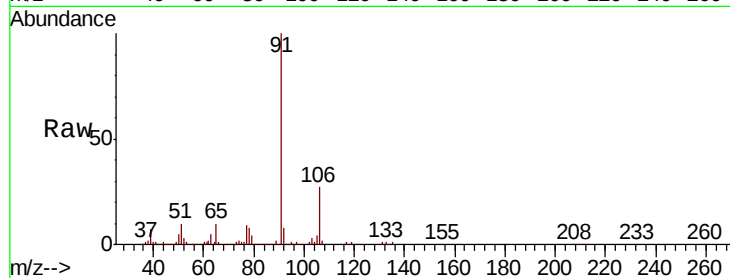
106 27.2 22.7 34.1

Manual Integrations

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#68

m/p-Xylenes

Concen: 41.86 ug/l

RT: 10.25 min Scan# 976

Delta R.T. -0.01 min

Lab File: VF060287.D

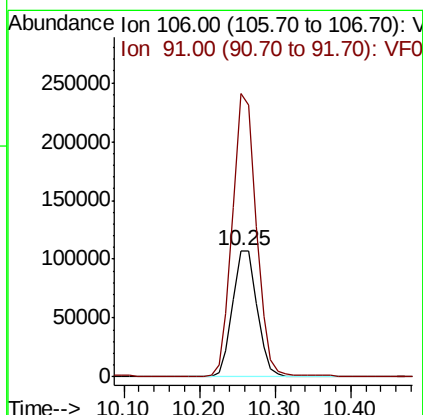
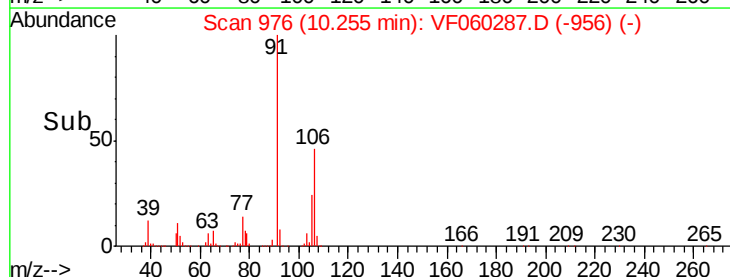
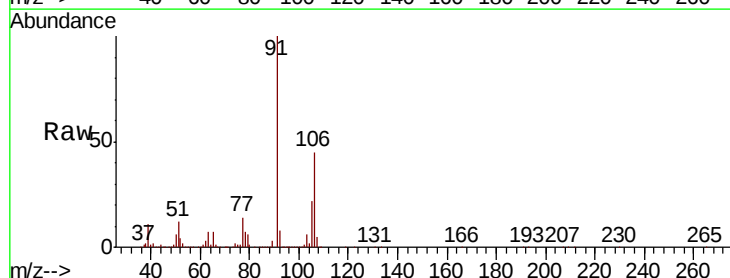
Acq: 19 Sep 2018 19:03

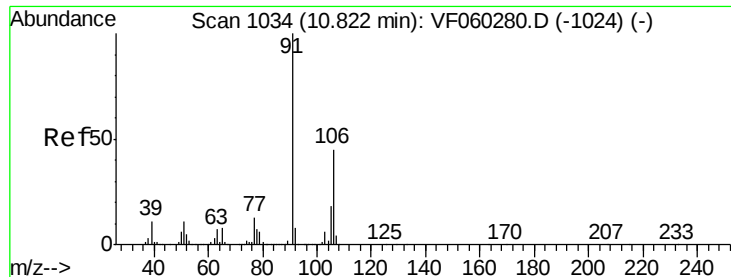
Tgt Ion: 106 Resp: 241095

Ion Ratio Lower Upper

106 100

91 223.8 172.3 258.5





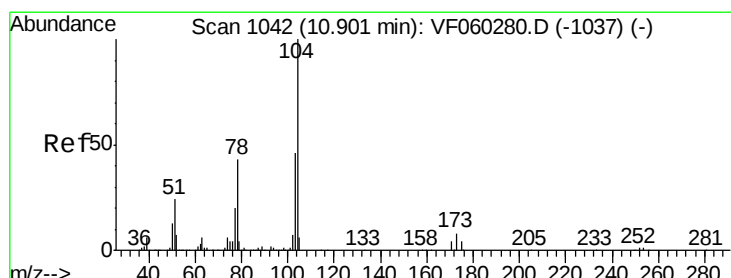
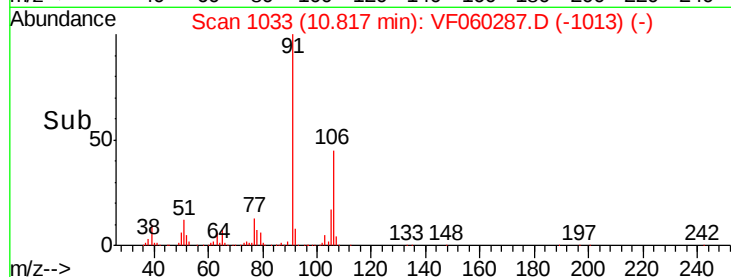
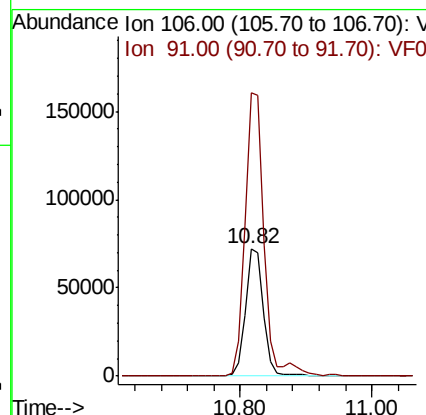
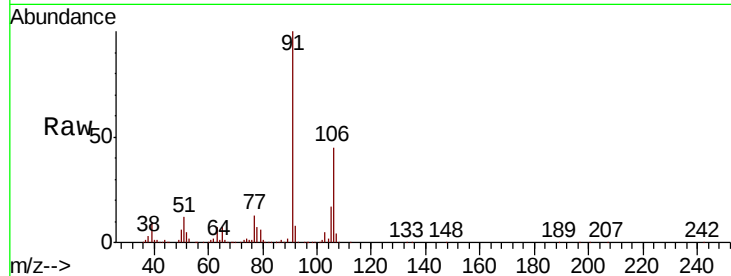
#69
o-Xylene
Concen: 21.40 ug/l
RT: 10.82 min Scan# 1033
Delta R.T. -0.01 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	138238		
91	91	222.4	110.9	332.6	

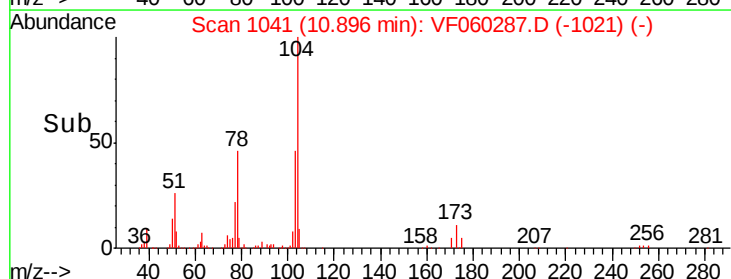
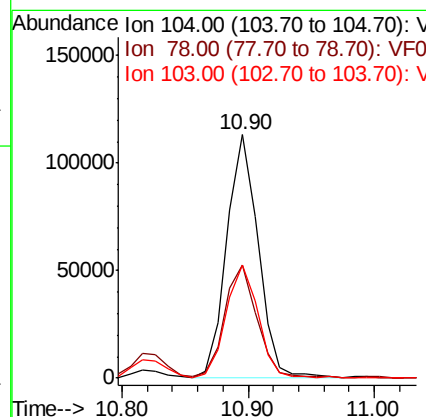
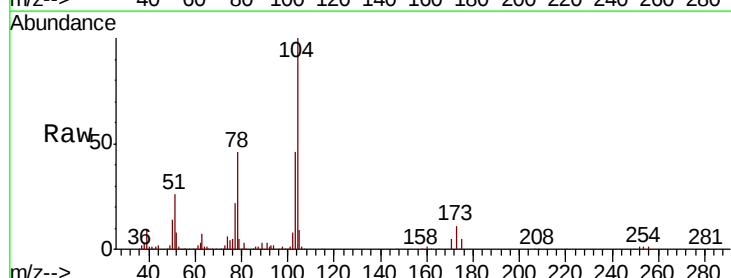
Manual Integrations
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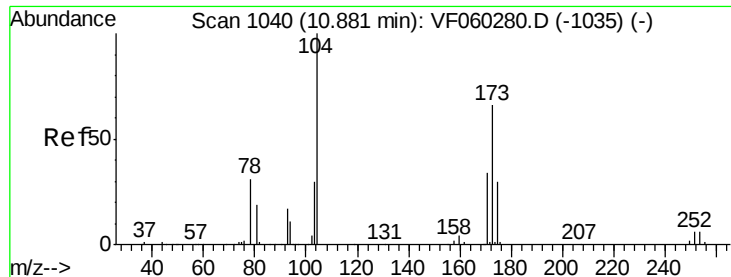
apatel
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#70
Styrene
Concen: 21.48 ug/l
RT: 10.90 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	195727		
78	78	46.5	35.0	52.6	
103	103	46.3	37.4	56.0	





#71

Bromoform

Concen: 20.86 ug/l

RT: 10.89 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBSD01

Tot Ion:173 Resp: 42873

Ion Ratio Lower Upper

173 100

175 50.0 22.3 66.9

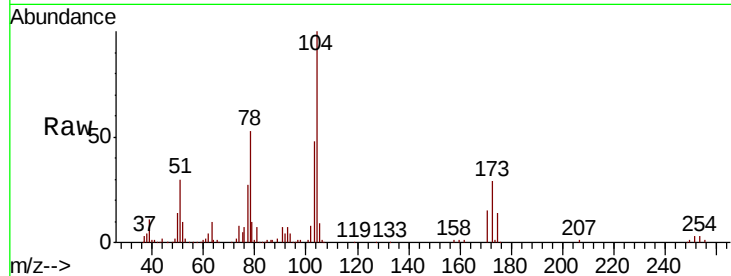
254 0.0 0.0 0.0

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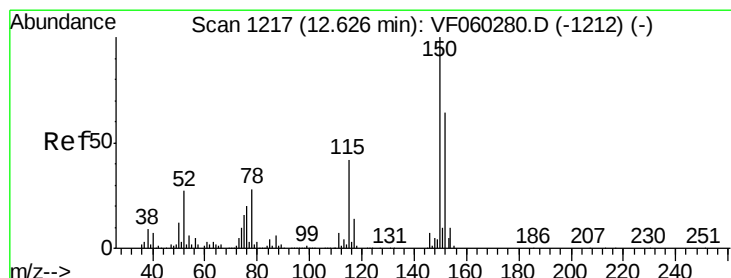
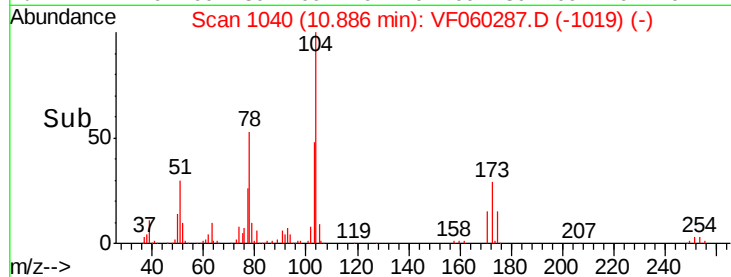
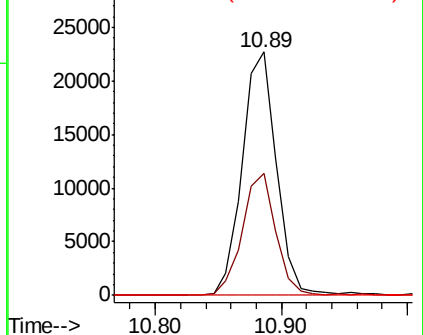


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

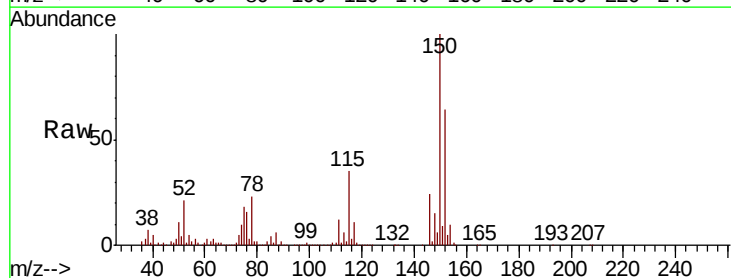
Tgt Ion:152 Resp: 213259

Ion Ratio Lower Upper

152 100

115 54.6 32.6 97.8

150 155.3 0.0 314.2

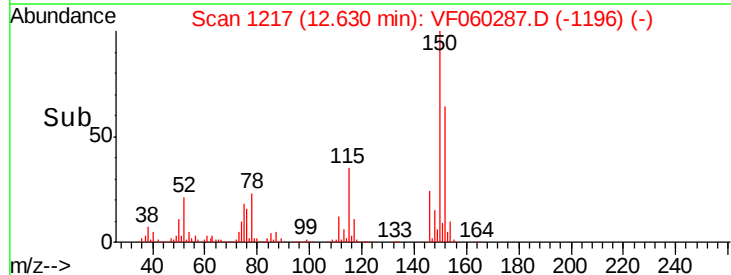
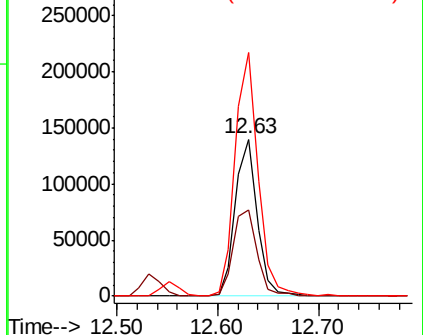


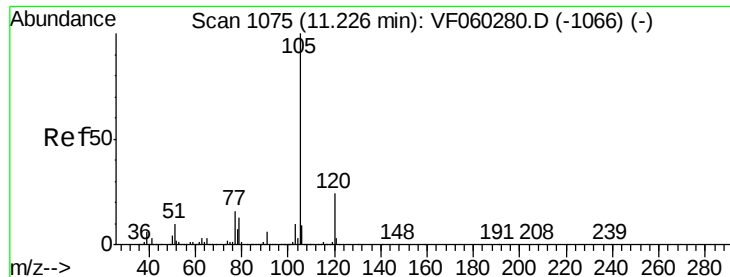
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.18 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

Tot Ion: 105 Resp: 405569

Ion Ratio Lower Upper

105 100

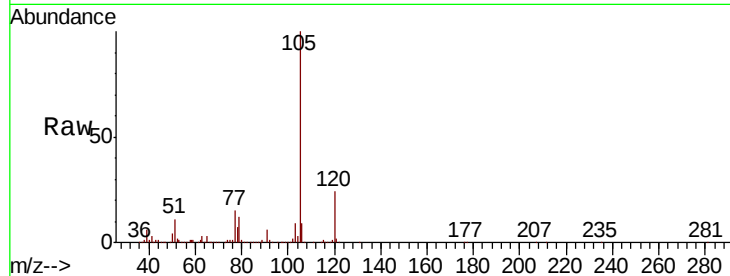
120 24.4 12.2 36.6

Manual Integrations

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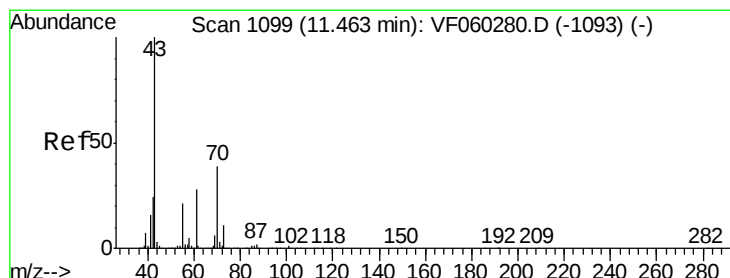
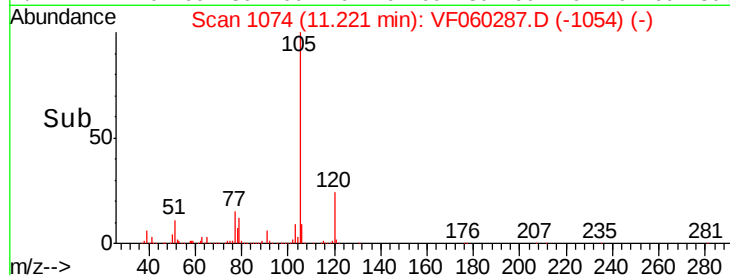
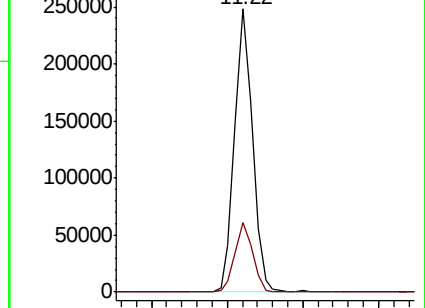
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 24.07 ug/l

RT: 11.46 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Tgt Ion: 43 Resp: 98260

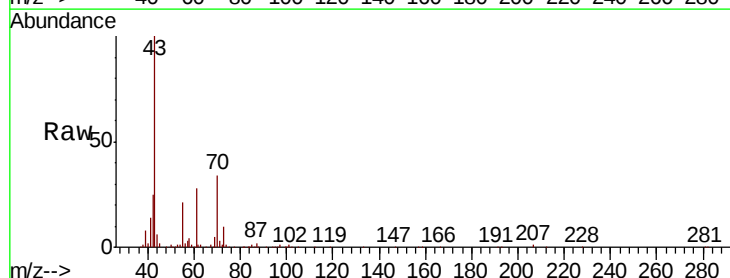
Ion Ratio Lower Upper

43 100

70 34.2 31.4 47.2

55 20.9 16.8 25.2

61 28.2 22.6 34.0

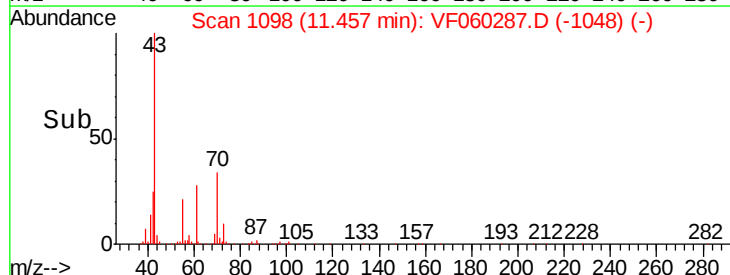
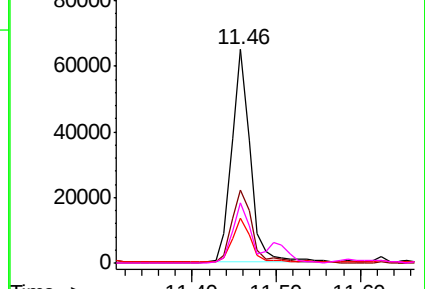


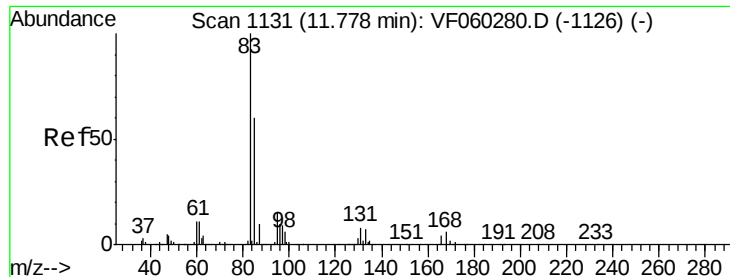
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 21.26 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

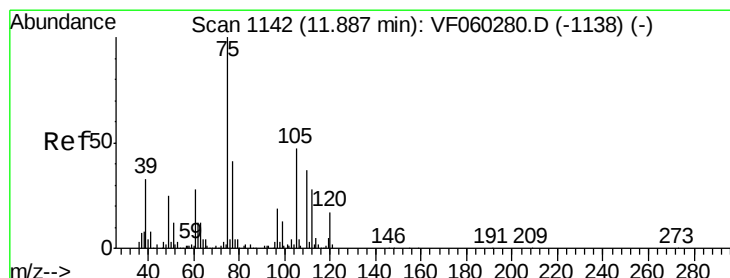
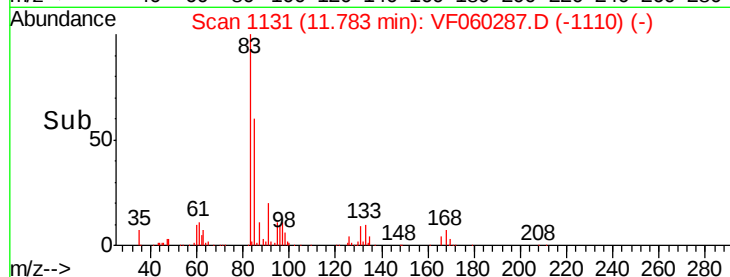
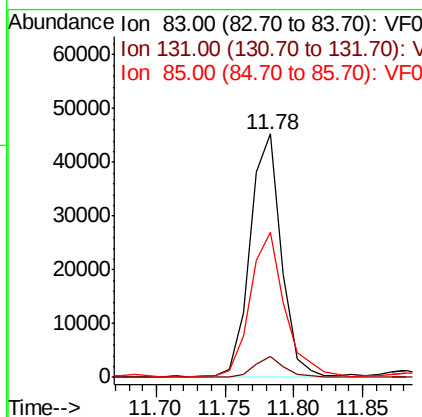
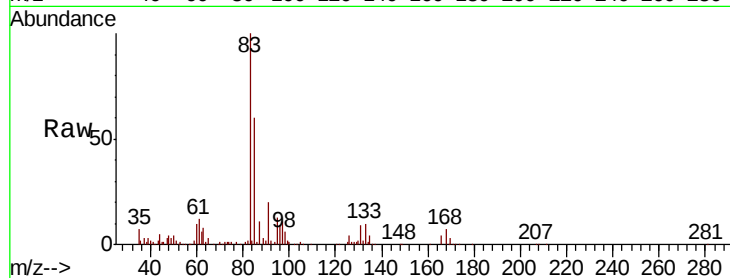
ClientSampleId :

VF0919SBS01

Tot Ion:	83	Resp:	72140
Ion Ratio	Lower	Upper	
83	100		
131	8.6	4.2	12.4
85	59.8	30.1	90.5

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#76

1,2,3-Trichloropropane

Concen: 20.98 ug/l

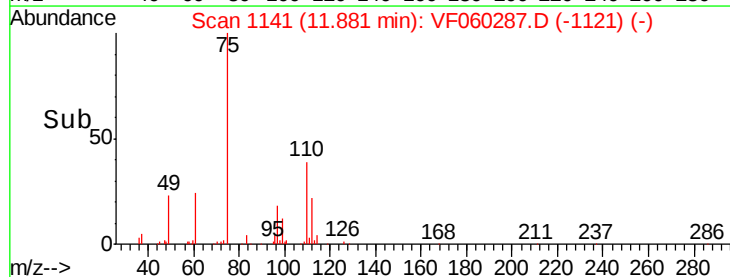
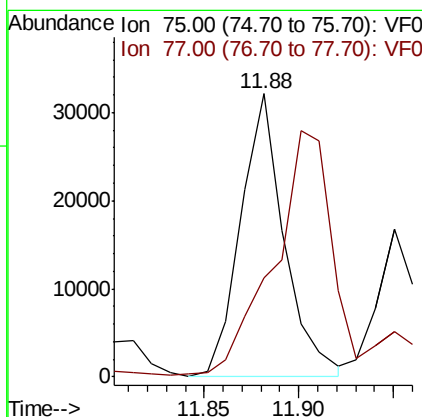
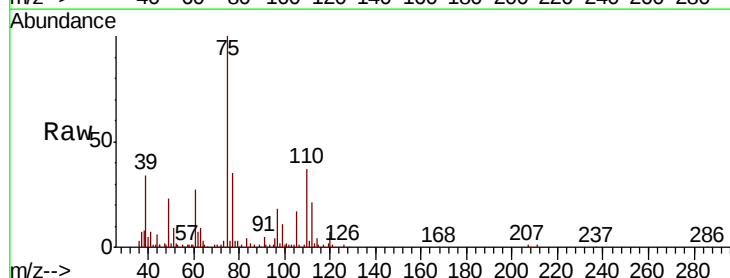
RT: 11.88 min Scan# 1141

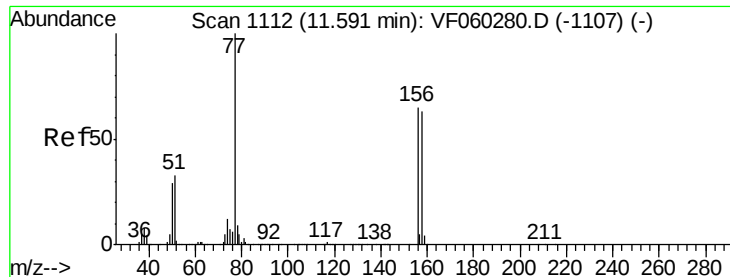
Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Tgt Ion:	75	Resp:	50956
Ion Ratio	Lower	Upper	
75	100		
77	34.9	20.5	61.5





#77

Bromobenzene

Concen: 20.08 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

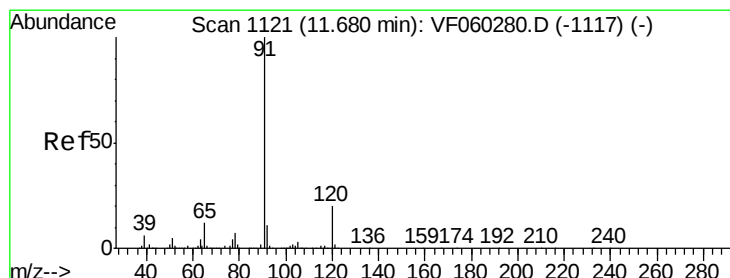
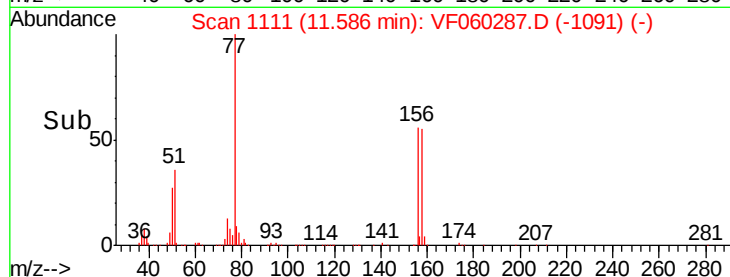
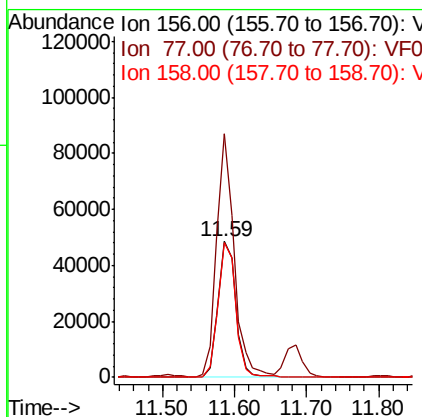
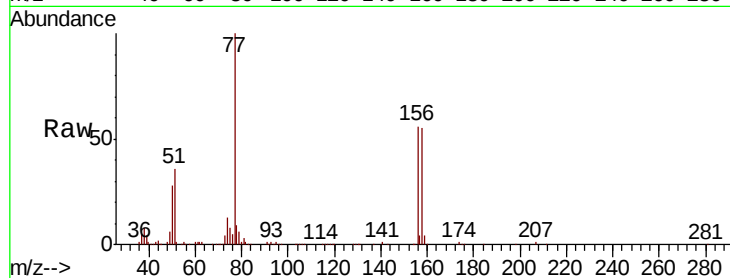
ClientSampleId :

VF0919SBSD01

Tot Ion:	156	Resp:	82861
Ion Ratio	Lower	Upper	
156	100		
77	179.7	77.3	232.1
158	99.4	48.4	145.2

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#78

n-propylbenzene

Concen: 20.67 ug/l

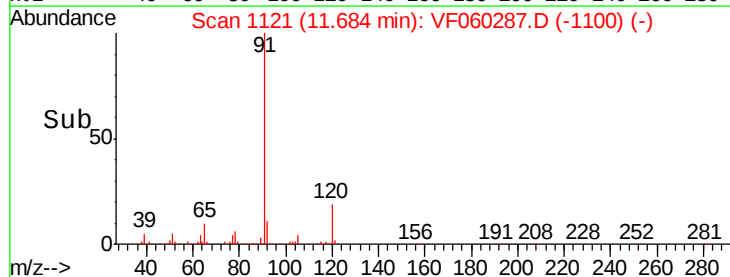
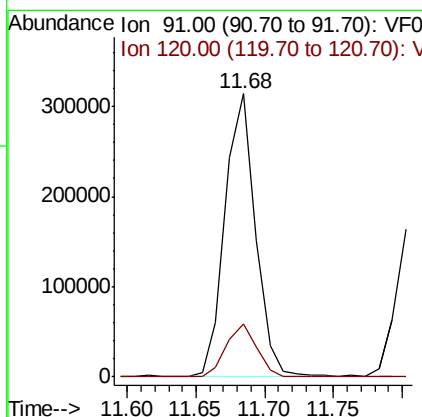
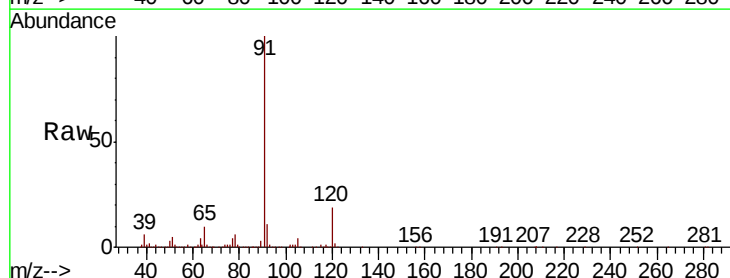
RT: 11.68 min Scan# 1121

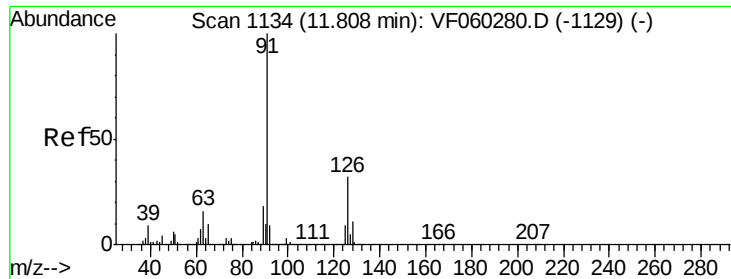
Delta R.T. 0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Tgt Ion:	91	Resp:	482419
Ion Ratio	Lower	Upper	
91	100		
120	18.9	10.0	29.8





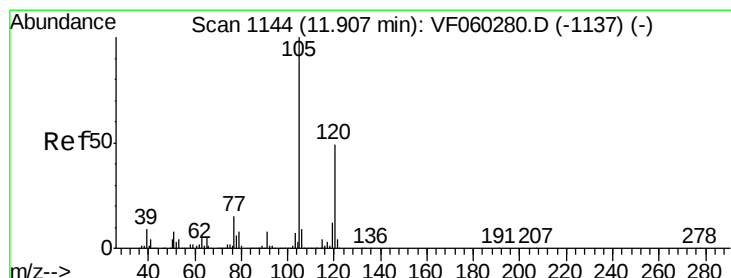
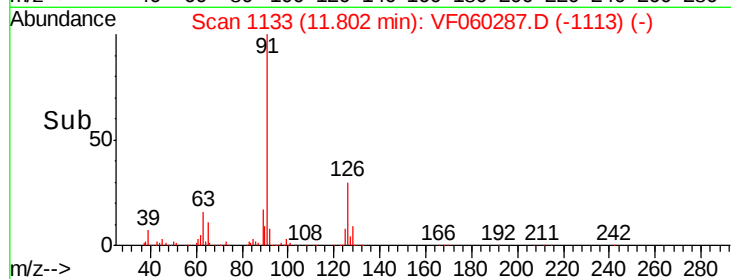
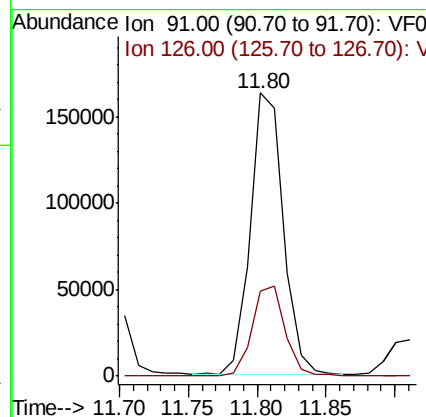
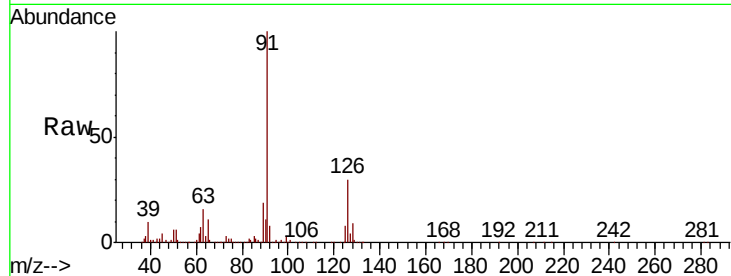
#79
 2-Chlorotoluene
 Concen: 21.07 ug/l
 RT: 11.80 min Scan# 1133
 Delta R.T. -0.01 min
 Lab File: VF060287.D
 Acq: 19 Sep 2018 19:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0919SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	30.2	16.1	48.3

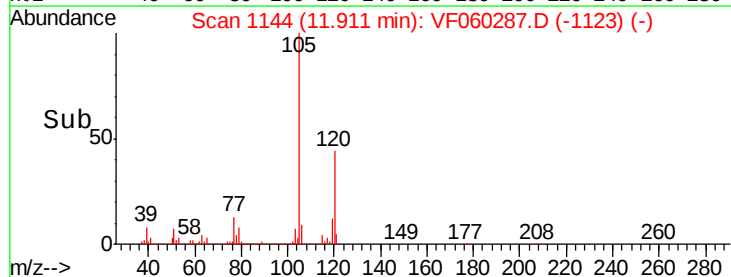
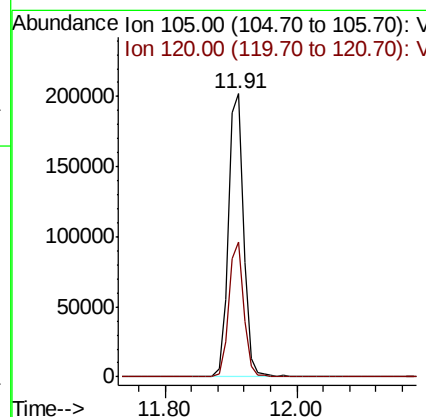
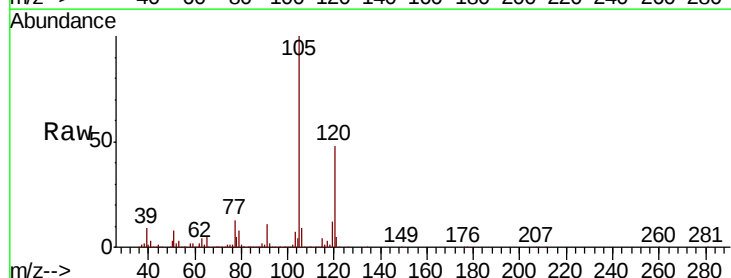
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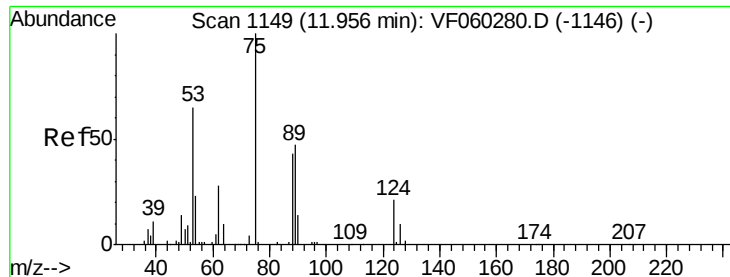
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.40 ug/l
 RT: 11.91 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VF060287.D
 Acq: 19 Sep 2018 19:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.5	24.4	73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.36 ug/l m

RT: 11.95 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

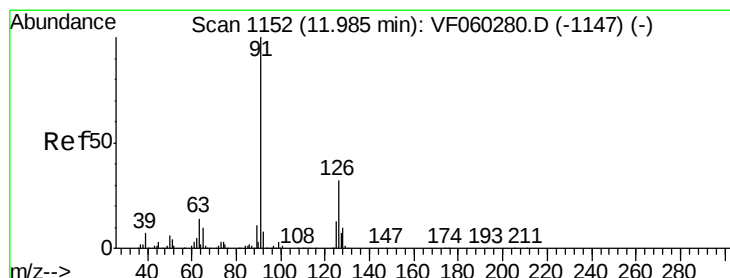
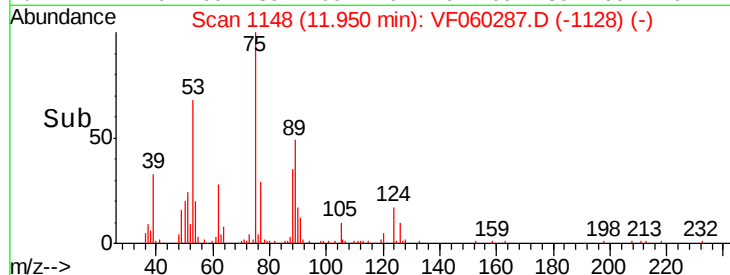
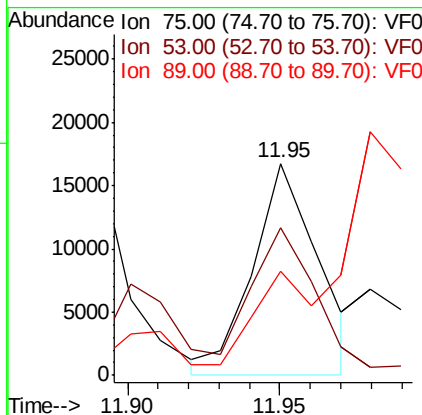
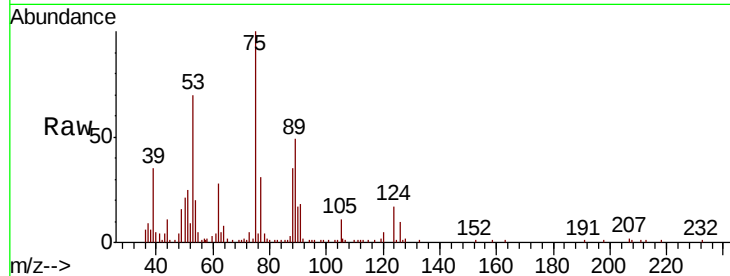
ClientSampleId :

VF0919SBS01

Tot Ion:	75	Resp:	24852
Ion	Ratio	Lower	Upper
75	100		
53	69.8	56.5	84.7
89	49.2	40.6	60.8

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#82

4-Chlorotoluene

Concen: 20.89 ug/l

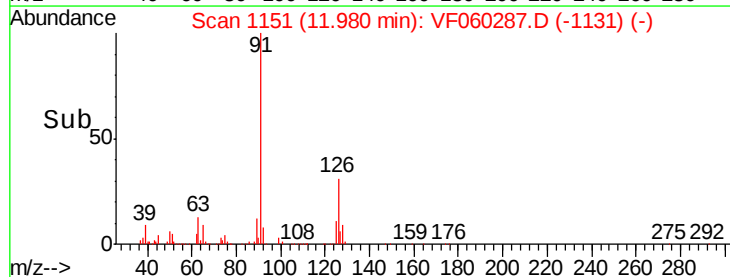
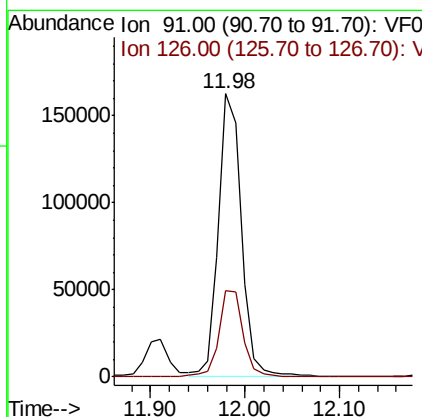
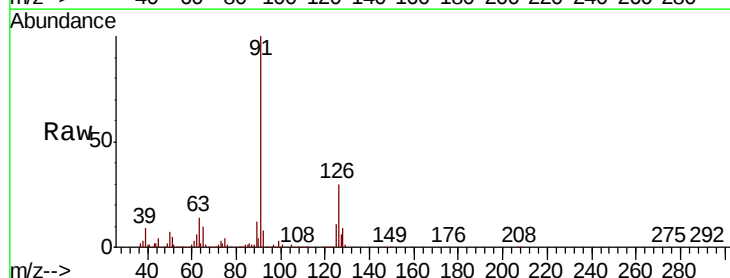
RT: 11.98 min Scan# 1151

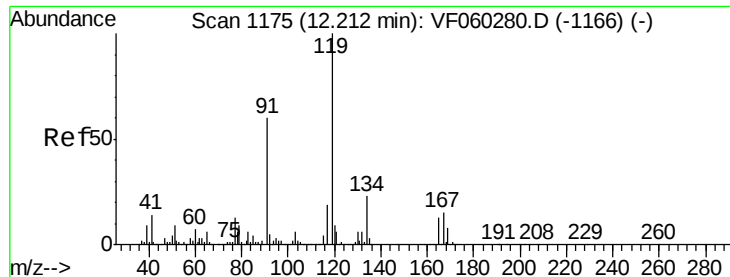
Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Tgt Ion:	91	Resp:	271108
Ion	Ratio	Lower	Upper
91	100		
126	30.3	16.1	48.2





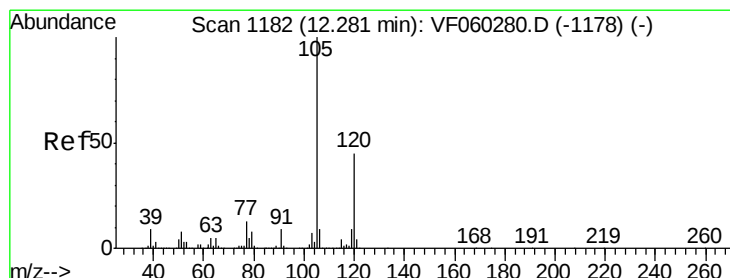
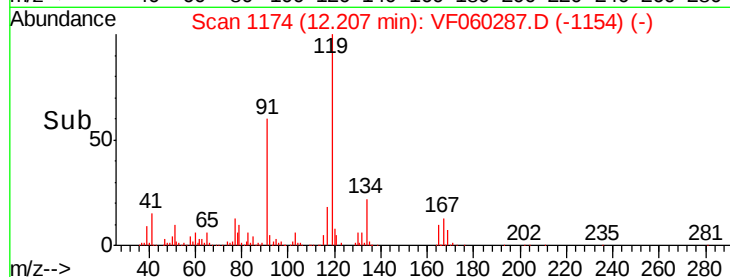
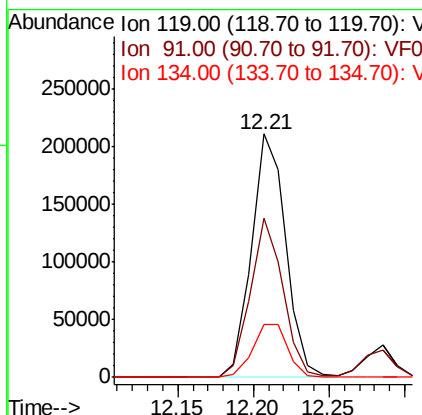
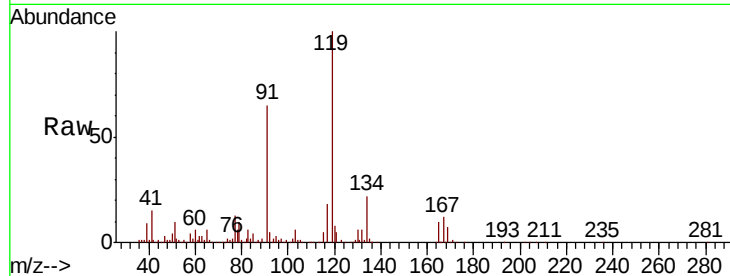
#83
tert-Butylbenzene
Concen: 21.37 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. -0.01 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.4	30.3	91.0
134	21.7	11.6	34.8

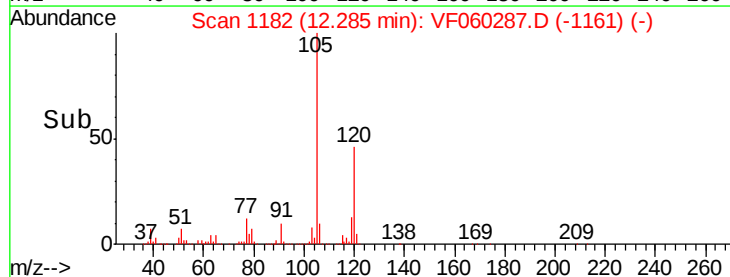
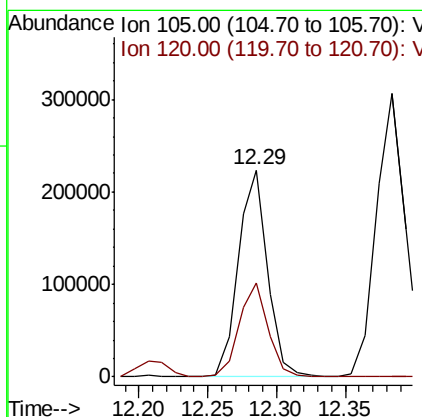
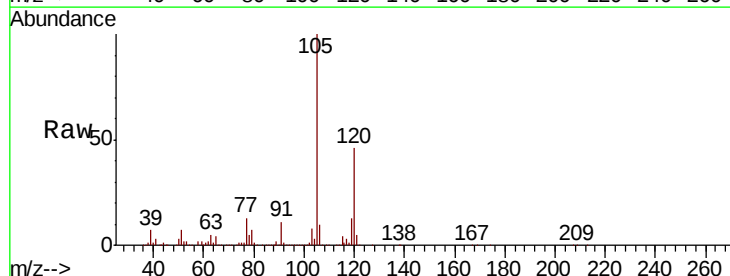
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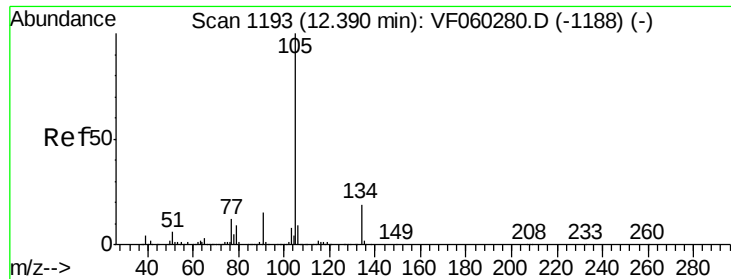
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#84
1,2,4-Trimethylbenzene
Concen: 21.07 ug/l
RT: 12.29 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.4	67.0





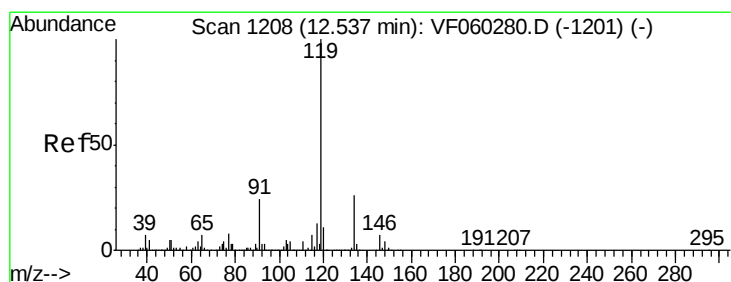
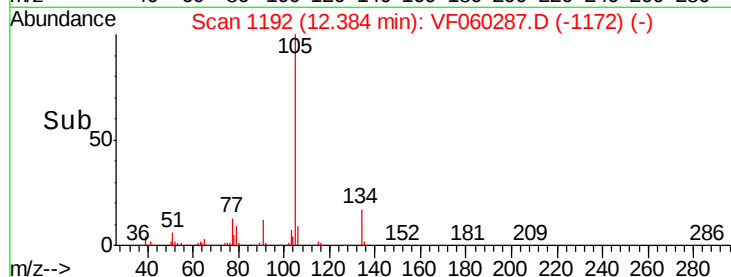
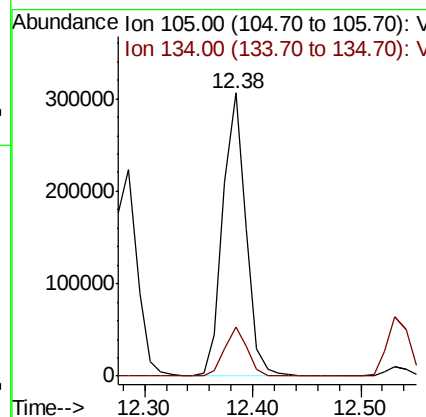
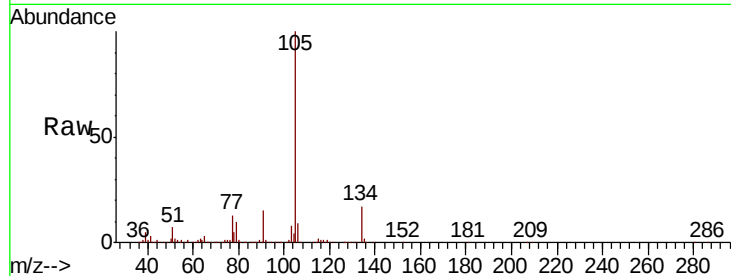
#85
 sec-Butylbenzene
 Concen: 19.73 ug/l
 RT: 12.38 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF060287.D
 Acq: 19 Sep 2018 19:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0919SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	450915		
134	17.4	9.6	28.6	

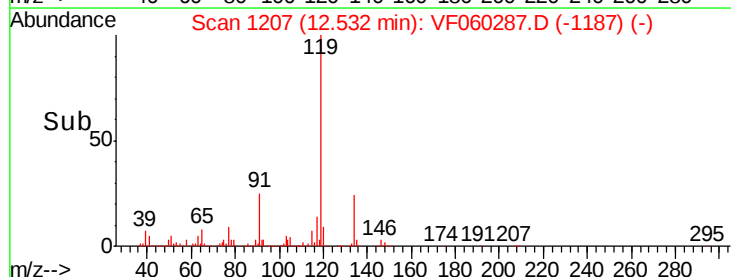
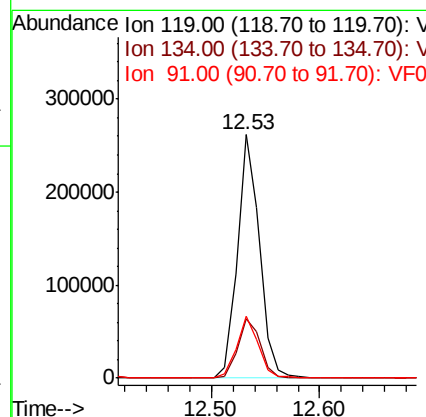
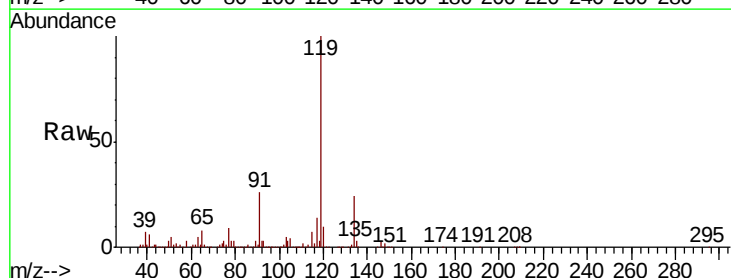
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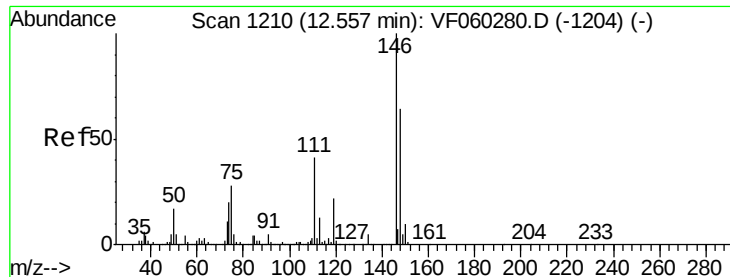
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#86
 p-Isopropyltoluene
 Concen: 20.85 ug/l
 RT: 12.53 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: VF060287.D
 Acq: 19 Sep 2018 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	370210		
134	24.4	12.9	38.7	
91	25.6	11.9	35.7	





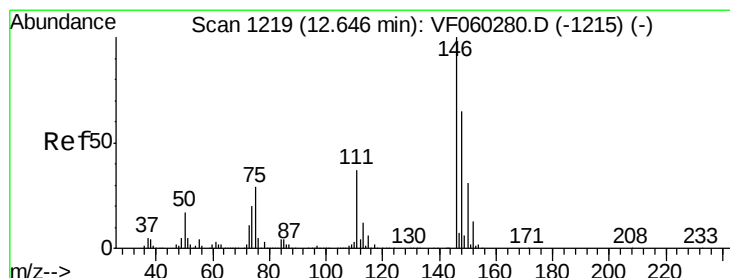
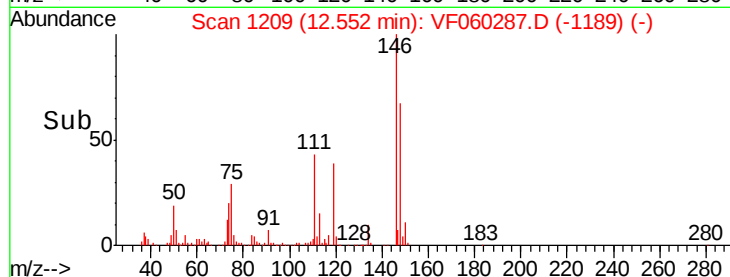
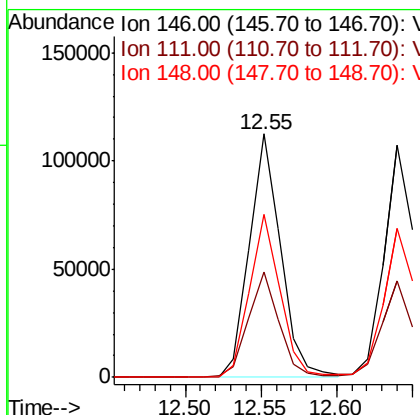
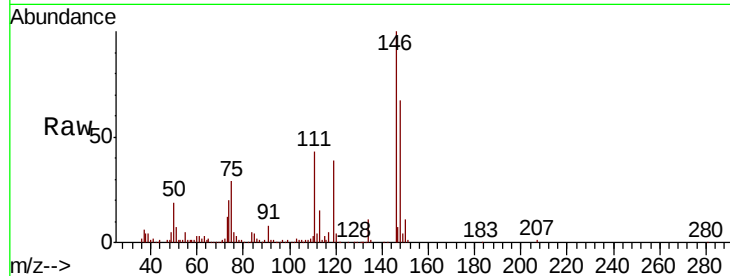
#87
 1,3-Dichlorobenzene
 Concen: 21.14 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF060287.D
 Acq: 19 Sep 2018 19:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0919SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	20.5	61.6
148	67.0	32.2	96.6

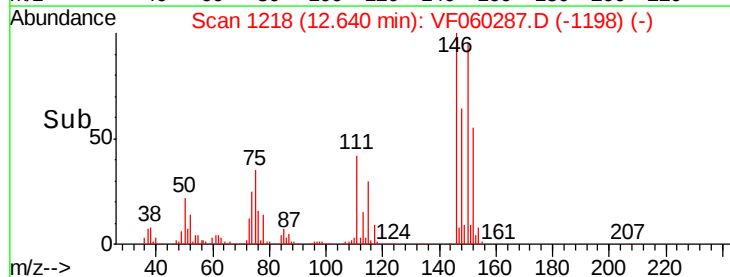
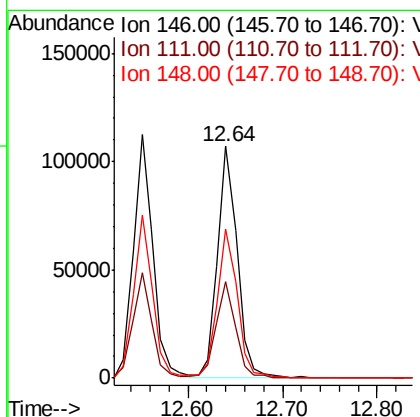
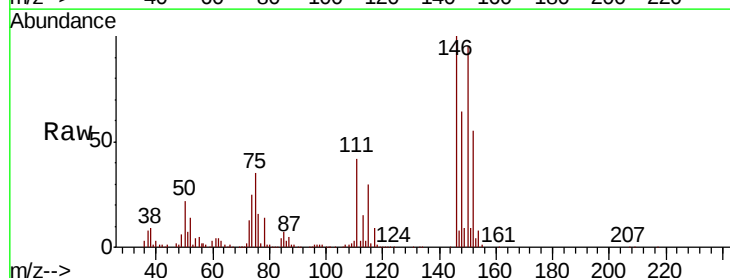
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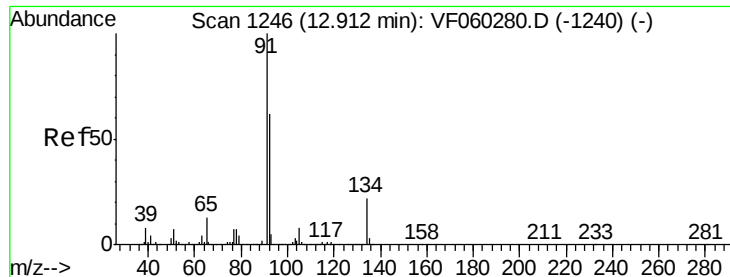
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#88
 1,4-Dichlorobenzene
 Concen: 20.45 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF060287.D
 Acq: 19 Sep 2018 19:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	18.7	56.1
148	64.3	32.4	97.0





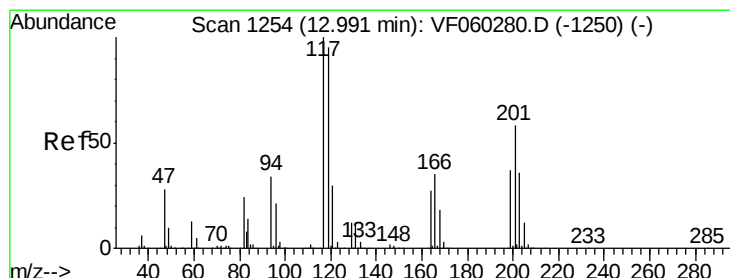
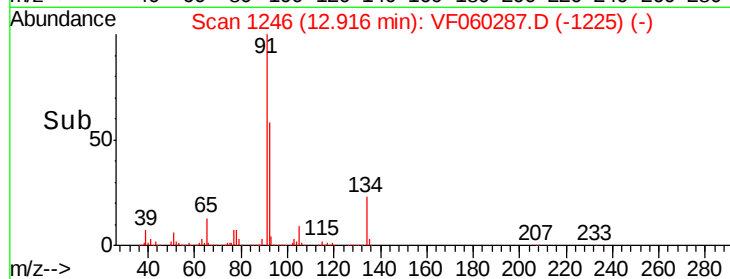
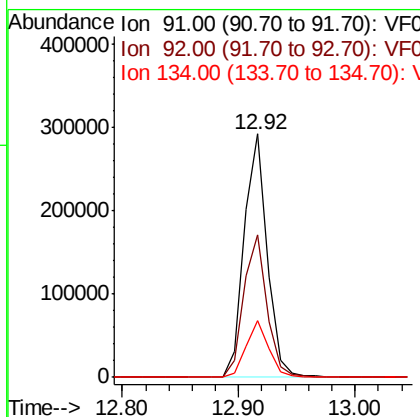
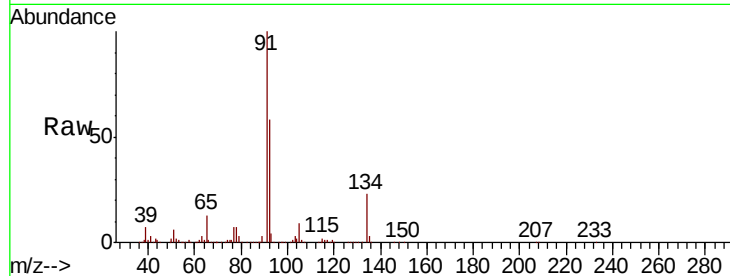
#89
n-Butylbenzene
Concen: 21.03 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.00 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	399745		
92	58.5		31.1	93.5
134	23.2		11.0	33.0

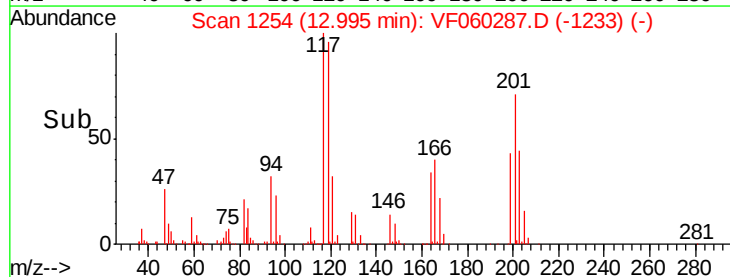
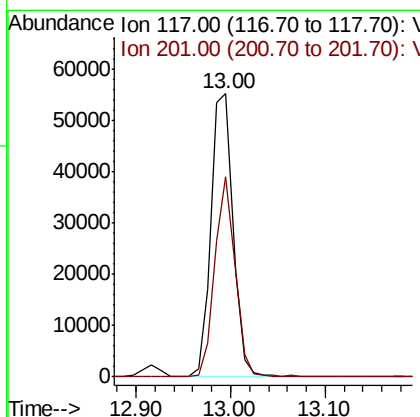
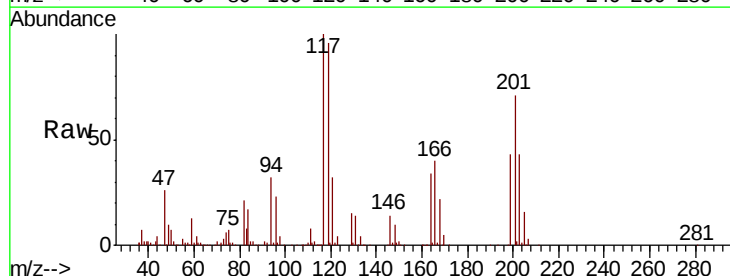
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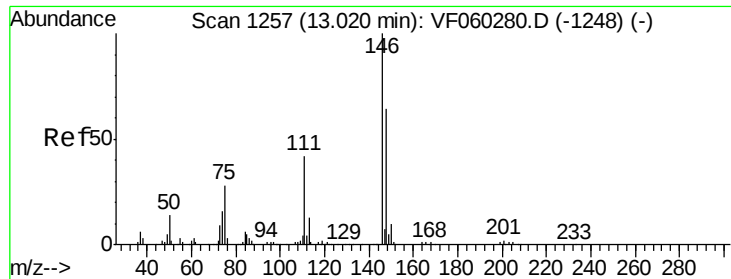
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#90
Hexachloroethane
Concen: 20.76 ug/l
RT: 13.00 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	90740		
201	70.7		29.0	87.0





#91

1,2-Dichlorobenzene

Concen: 21.01 ug/l

RT: 13.01 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

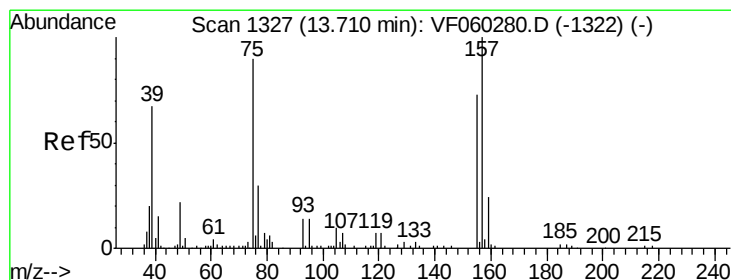
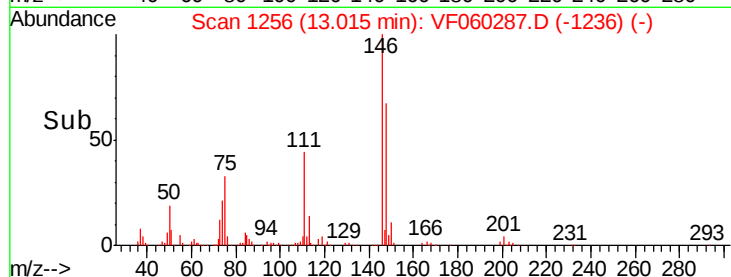
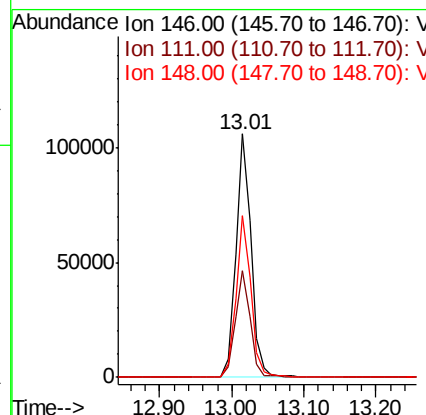
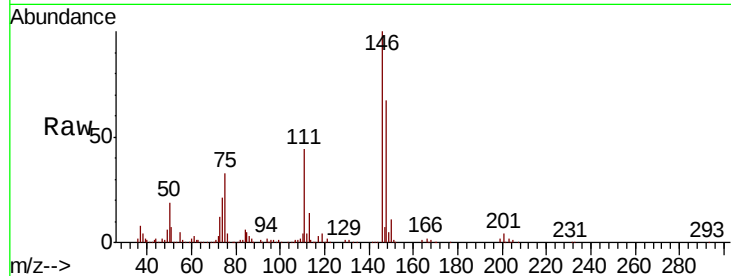
ClientSampleId :

VF0919SBS01

Tot Ion:	146	Resp:	154502
Ion Ratio	Lower	Upper	
146	100		
111	44.0	20.9	62.8
148	66.6	31.9	95.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.23 ug/l

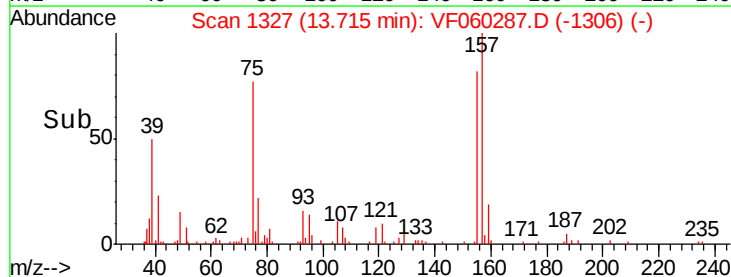
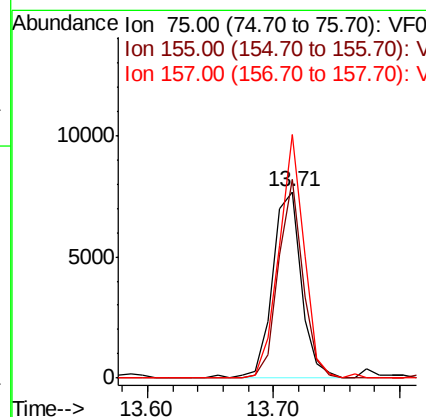
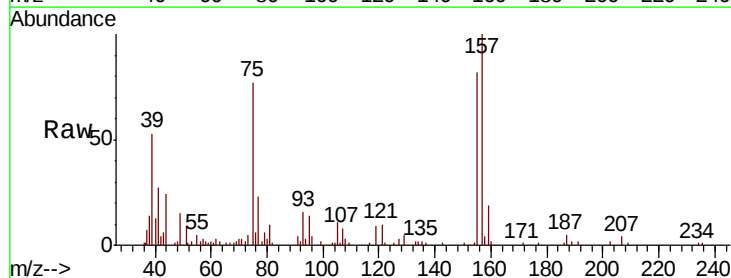
RT: 13.71 min Scan# 1327

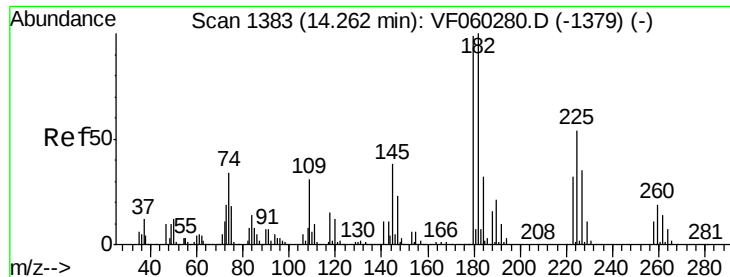
Delta R.T. 0.00 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Tgt Ion:	75	Resp:	12251
Ion Ratio	Lower	Upper	
75	100		
155	106.5	41.9	125.7
157	130.5	57.4	172.0





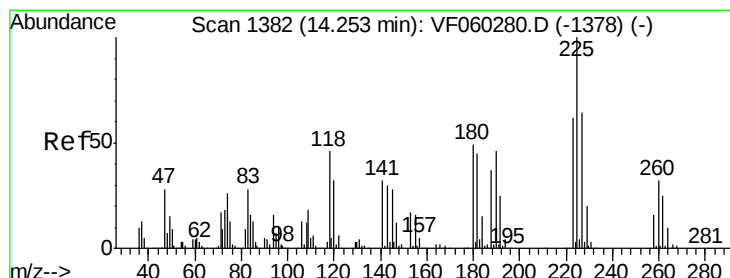
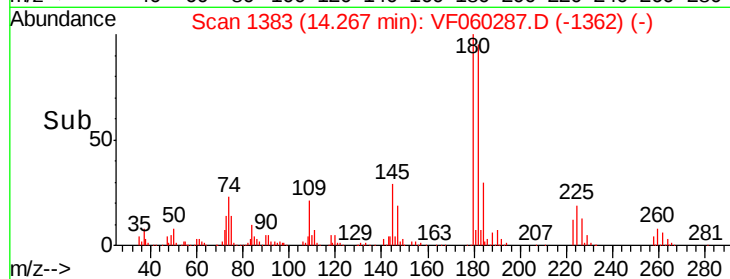
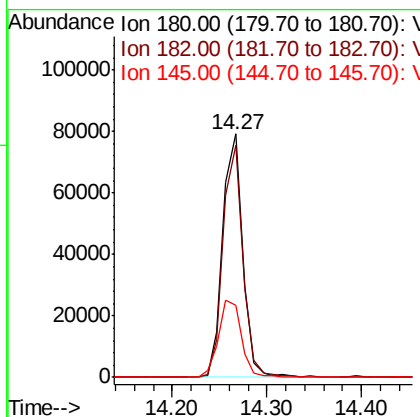
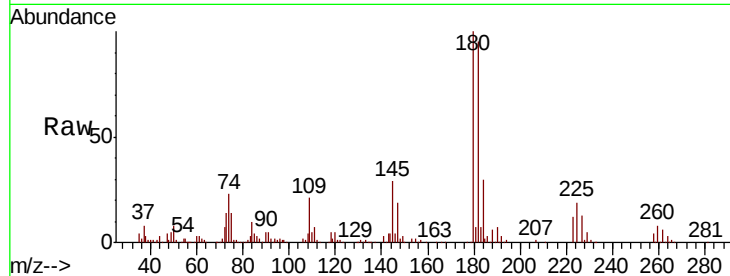
#93
 1,2,4-Trichlorobenzene
 Concen: 21.79 ug/l
 RT: 14.27 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VF060287.D
 Acq: 19 Sep 2018 19:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0919SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.5	50.3	151.0	
145	29.5	18.9	56.9	

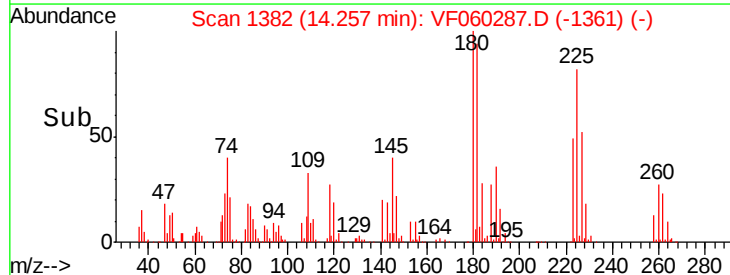
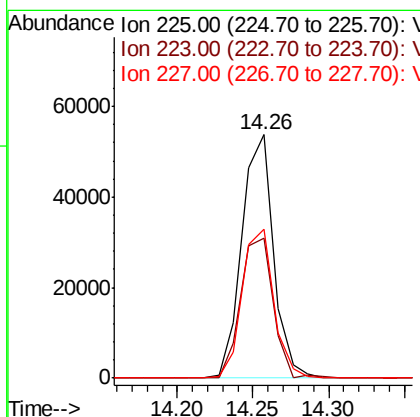
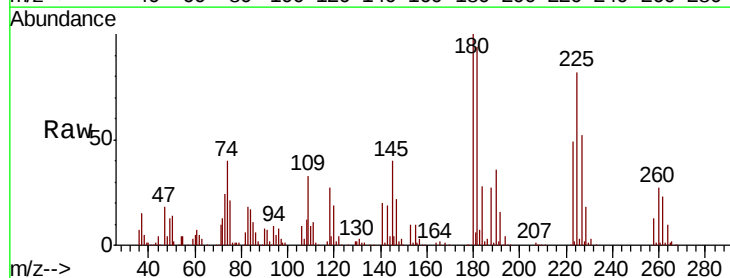
Manual Integrations
 APPROVED

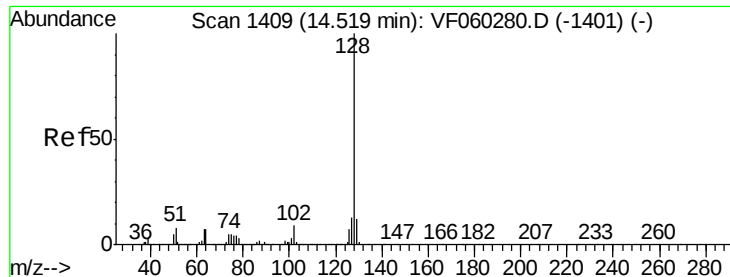
apatel
 9/20/2018 11:55:09 AM



#94
 Hexachlorobutadiene
 Concen: 21.66 ug/l
 RT: 14.26 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VF060287.D
 Acq: 19 Sep 2018 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	57.6	31.2	93.6	
227	61.4	32.2	96.6	





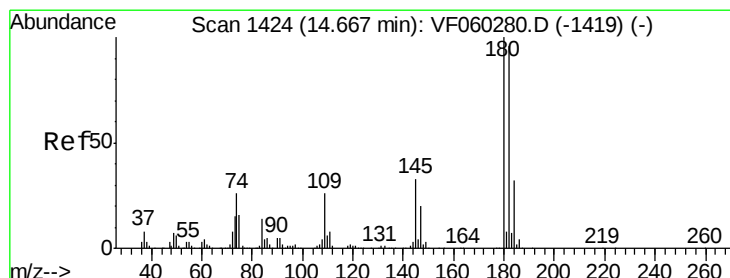
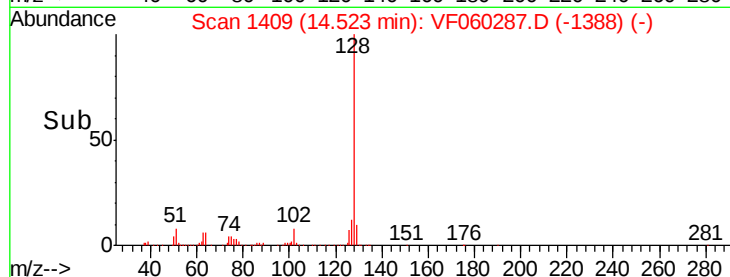
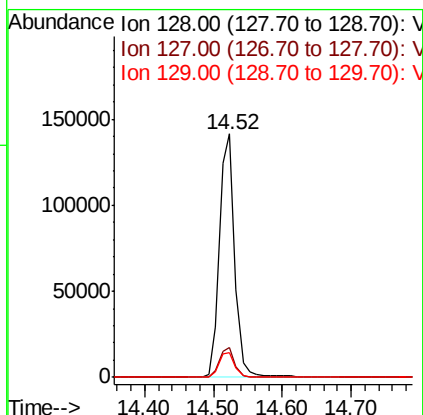
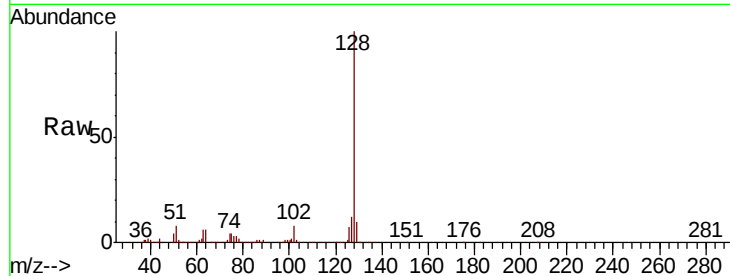
#95
Naphthalene
Concen: 23.21 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. 0.00 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.1	15.1
129	10.3	9.8	14.8

Manual Integrations
APPROVED

apatel
9/20/2018 11:55:09 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.64 ug/l
RT: 14.66 min Scan# 1423
Delta R.T. -0.01 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.8	47.8	143.4
145	36.6	16.4	49.1

