

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091918\
 Data File : VF060284.D
 Acq On : 19 Sep 2018 17:12
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICSVF091918

Manual Integrations
 APPROVED

apatel
 9/20/2018 3:40:46 PM

Quant Time: Sep 20 09:43:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 19 16:11:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	280188	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	465399	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	428862	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	219635	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	172163	45.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.26%	
35) Dibromofluoromethane	4.28	113	192547	46.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.82%	
50) Toluene-d8	7.70	98	538159	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
62) 4-Bromofluorobenzene	11.51	95	227411	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	203056	48.12	ug/l	96
3) Chloromethane	1.13	50	161640	42.82	ug/l	98
4) Vinyl Chloride	1.18	62	168455	43.29	ug/l	97
5) Bromomethane	1.36	94	118150	54.45	ug/l	98
6) Chloroethane	1.42	64	85577	46.18	ug/l	98
7) Trichlorofluoromethane	1.53	101	336458	46.41	ug/l	93
8) Diethyl Ether	1.70	74	57434	47.62	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	1.89	101	176735	45.84	ug/l	96
10) Methyl Iodide	1.96	142	282387	45.42	ug/l	95
11) Tert butyl alcohol	2.67	59	50282	238.00	ug/l	93
12) 1,1-Dichloroethene	1.86	96	145430	45.61	ug/l	98
13) Acrolein	2.08	56	16406	236.69	ug/l	94
14) Allyl chloride	2.19	41	255228	45.87	ug/l	95
15) Acrylonitrile	3.07	53	117665	220.82	ug/l	94
16) Acetone	2.33	43	266737	251.04	ug/l	98
17) Carbon Disulfide	1.89	76	407086	50.90	ug/l	99
18) Methyl Acetate	2.45	43	90585	51.18	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	376601	47.38	ug/l	99
20) Methylene Chloride	2.28	84	149572m	52.05	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	152999	46.46	ug/l	98
22) Diisopropyl ether	2.92	45	498595	47.49	ug/l	98
23) Vinyl Acetate	3.32	43	1016840	246.62	ug/l	98
24) 1,1-Dichloroethane	3.00	63	321499	47.22	ug/l	98
25) 2-Butanone	4.50	43	343721	240.34	ug/l	100
26) 2,2-Dichloropropane	3.75	77	172939	44.52	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	205800	47.57	ug/l	90
28) Bromochloromethane	3.89	49	123562	46.61	ug/l	95
29) Tetrahydrofuran	4.24	42	115284	220.13	ug/l	97
30) Chloroform	4.02	83	375211	45.67	ug/l	99
31) Cyclohexane	3.87	56	244134	42.45	ug/l	98
32) 1,1,1-Trichloroethane	4.26	97	297194	45.85	ug/l	96
36) 1,1-Dichloropropene	4.45	75	253176	43.61	ug/l	96
37) Ethyl Acetate	4.28	43	106819	43.49	ug/l #	95
38) Carbon Tetrachloride	4.16	117	296520m	44.76	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	275769	43.83	ug/l	96
40) Benzene	4.80	78	604600	45.93	ug/l	99
41) Methacrylonitrile	4.91	41	61399	46.07	ug/l	92
42) 1,2-Dichloroethane	5.11	62	239720	49.48	ug/l	99
43) Isopropyl Acetate	7.10	43	151295	51.16	ug/l	92
44) Trichloroethene	5.67	130	182185	46.51	ug/l	97
45) 1,2-Dichloropropane	6.39	63	166190	48.78	ug/l	99
46) Dibromomethane	6.24	93	114325	46.95	ug/l	96
47) Bromodichloromethane	6.54	83	284303	48.58	ug/l	97
48) Methyl methacrylate	6.86	41	94252	45.41	ug/l	95
49) 1,4-Dioxane	6.85	88	17757	957.50	ug/l	89
51) 4-Methyl-2-Pentanone	8.40	43	684311	300.25	ug/l	99
52) Toluene	7.77	92	411282	49.39	ug/l	99
53) t-1,3-Dichloropropene	8.42	75	241551	51.17	ug/l	96
54) cis-1,3-Dichloropropene	7.44	75	272556	45.83	ug/l	98
55) 1,1,2-Trichloroethane	8.63	97	124664	49.32	ug/l	94
56) Ethyl methacrylate	8.76	69	162976	53.39	ug/l	95
57) 1,3-Dichloropropane	8.99	76	213273	50.96	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.77	63	63565	235.56	ug/l	100
59) 2-Hexanone	9.62	43	528324	325.57	ug/l	97
60) Dibromochloromethane	8.85	129	186241	49.44	ug/l	93
61) 1,2-Dibromoethane	9.13	107	141617	50.32	ug/l	96
64) Tetrachloroethene	8.30	164	179613	46.20	ug/l	95
65) Chlorobenzene	9.93	112	442406	45.52	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	189848	47.07	ug/l	94
67) Ethyl Benzene	10.04	91	838993	46.68	ug/l	99
68) m/p-Xylenes	10.26	106	576573	92.86	ug/l	91
69) o-Xylene	10.83	106	325535	46.74	ug/l	97
70) Styrene	10.89	104	460334	46.87	ug/l	95
71) Bromoform	10.89	173	105249	47.51	ug/l	96
73) Isopropylbenzene	11.22	105	918888	46.60	ug/l	97
74) N-amyl acetate	11.46	43	249812	59.41	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	166282	47.59	ug/l	89
76) 1,2,3-Trichloropropane	11.88	75	119666	47.83	ug/l	90
77) Bromobenzene	11.59	156	201283	47.37	ug/l	93
78) n-propylbenzene	11.68	91	1101509	58.03	ug/l	98
79) 2-Chlorotoluene	11.81	91	598535	45.00	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	750189	47.27	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	57417m	34.68	ug/l	
82) 4-Chlorotoluene	11.99	91	640487	47.91	ug/l	98
83) tert-Butylbenzene	12.22	119	760126	47.24	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	747155	46.36	ug/l	96
85) sec-Butylbenzene	12.38	105	1037651	56.47	ug/l	100
86) p-Isopropyltoluene	12.53	119	835831	56.94	ug/l	95
87) 1,3-Dichlorobenzene	12.55	146	375760	47.32	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	377776	48.13	ug/l	97
89) n-Butylbenzene	12.92	91	876095	52.84	ug/l	98
90) Hexachloroethane	12.99	117	218831	48.61	ug/l	84
91) 1,2-Dichlorobenzene	13.01	146	371573	49.05	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	29773	45.38	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	259688	47.17	ug/l	98
94) Hexachlorobutadiene	14.26	225	182730	49.10	ug/l	98
95) Naphthalene	14.52	128	518534	53.72	ug/l	97
96) 1,2,3-Trichlorobenzene	14.67	180	250096	49.16	ug/l	99

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

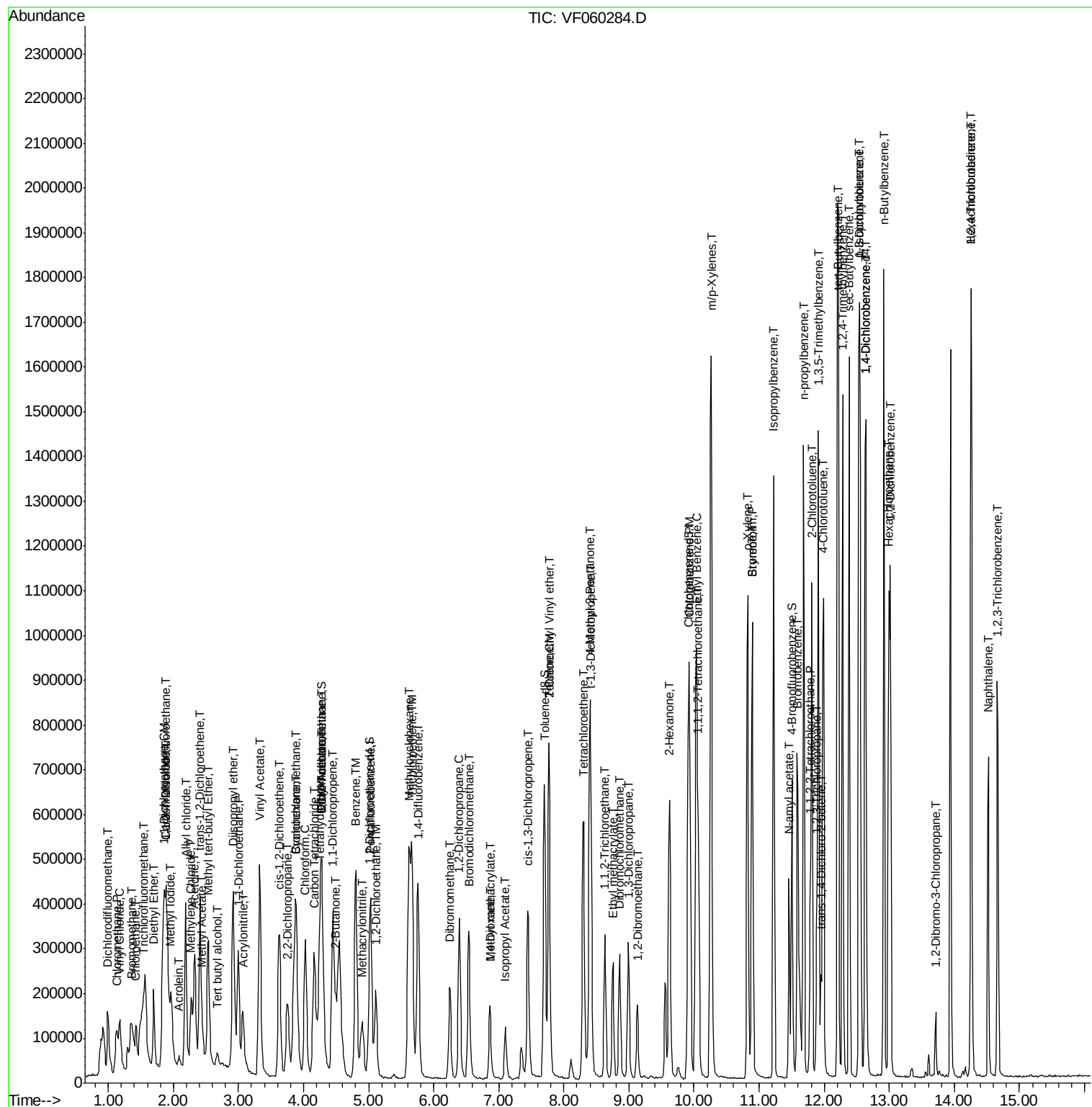
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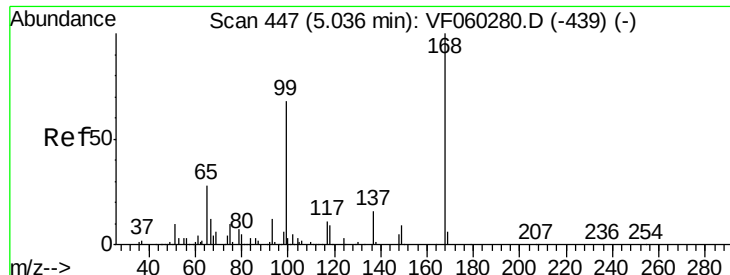
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 446

Delta R.T. -0.01 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

Instrument :

MSVOA_F

ClientSampleId :

ICVVF091918

Tot Ion:168 Resp: 280188

Ion Ratio Lower Upper

168 100

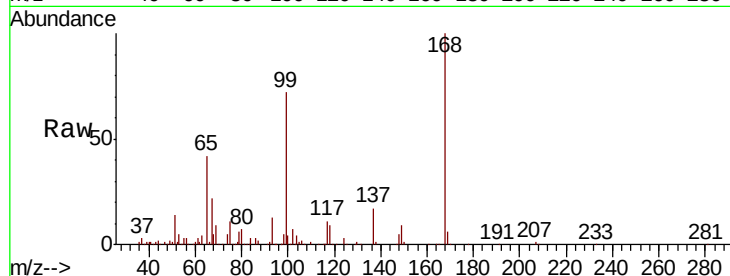
99 72.1 54.8 82.2

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

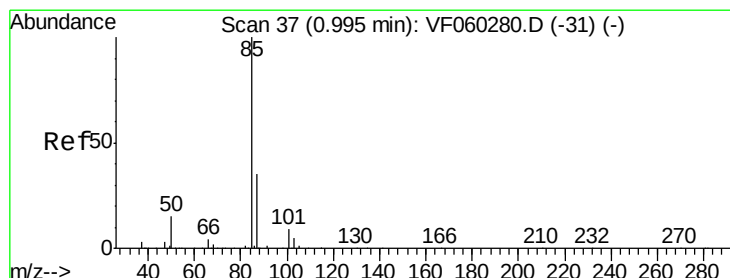
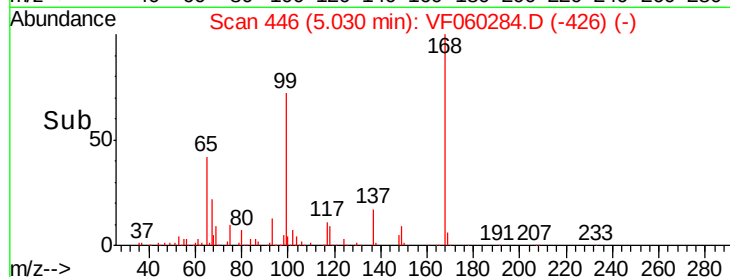
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.12 ug/l

RT: 0.99 min Scan# 36

Delta R.T. -0.01 min

Lab File: VF060284.D

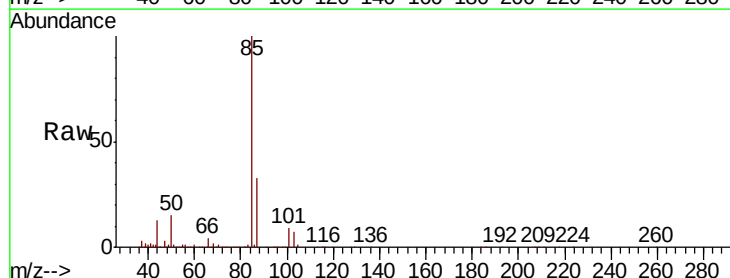
Acq: 19 Sep 2018 17:12

Tgt Ion: 85 Resp: 203056

Ion Ratio Lower Upper

85 100

87 32.5 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

80000

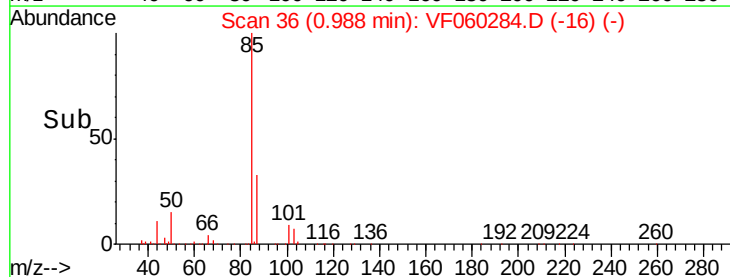
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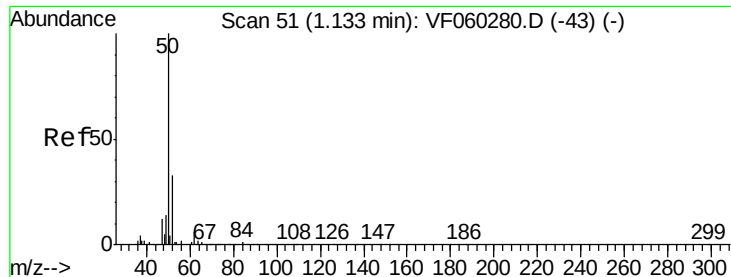
40000

20000

0

Time-->





#3

Chloromethane

Concen: 42.82 ug/l

RT: 1.13 min Scan# 50

Delta R.T. -0.01 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

Instrument :

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ClientSampleId :

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Tot Ion: 50 Resp: 161640

Ion Ratio Lower Upper

50 100

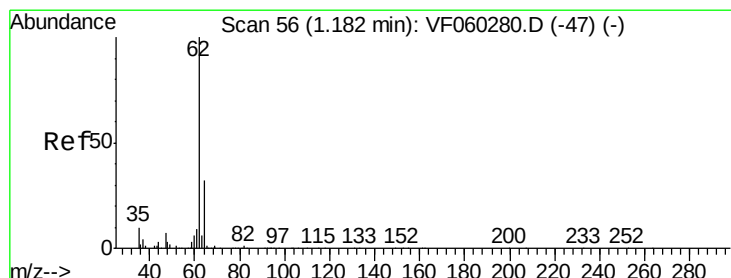
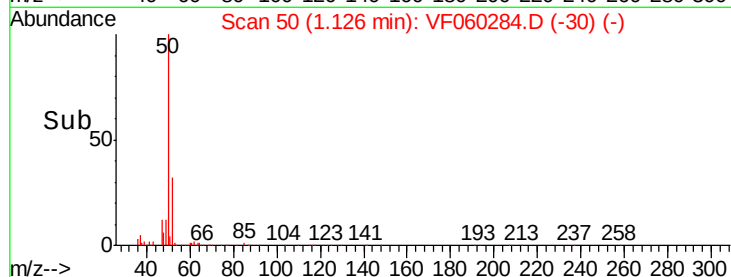
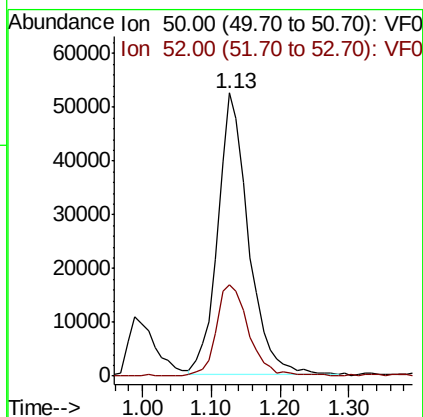
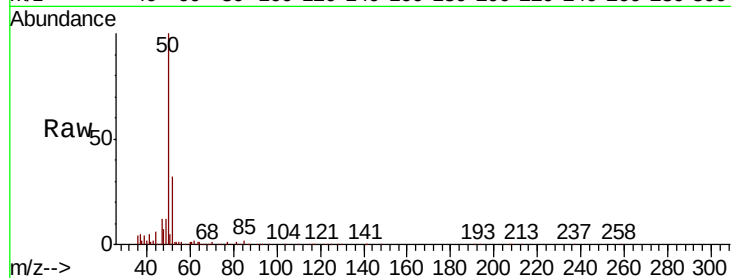
52 32.1 26.5 39.7

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#4

Vinyl Chloride

Concen: 43.29 ug/l

RT: 1.18 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060284.D

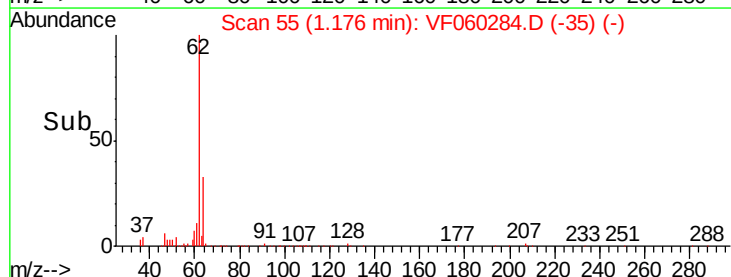
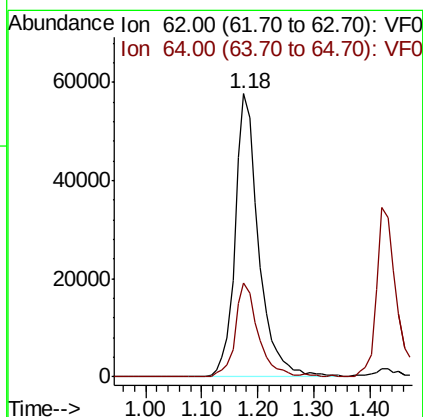
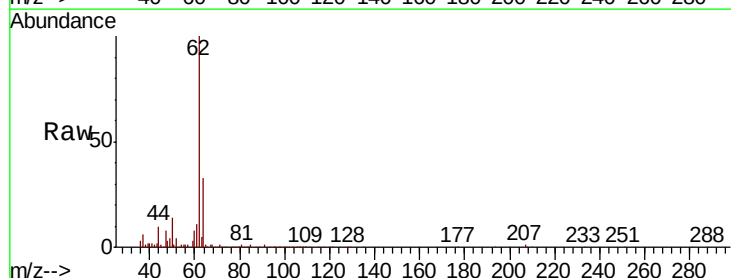
Acq: 19 Sep 2018 17:12

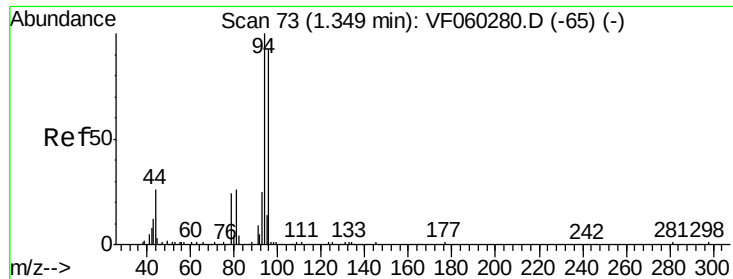
Tgt Ion: 62 Resp: 168455

Ion Ratio Lower Upper

62 100

64 33.0 25.2 37.8





#5

Bromomethane

Concen: 54.45 ug/l

RT: 1.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VF060284.D

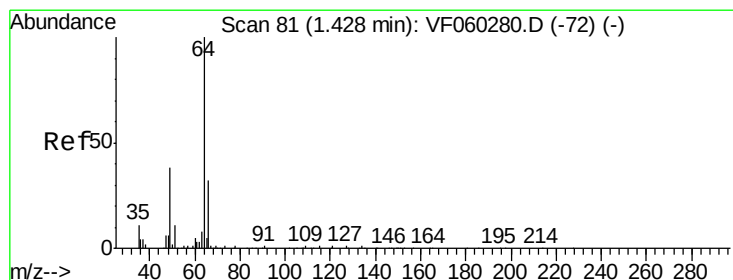
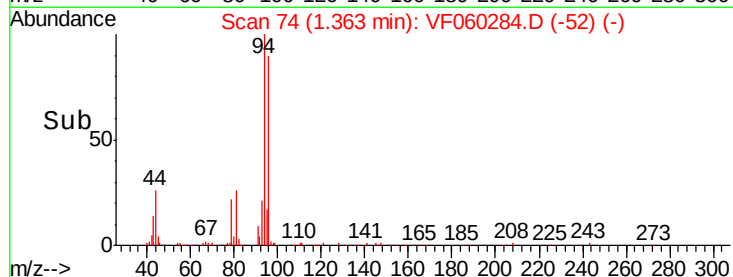
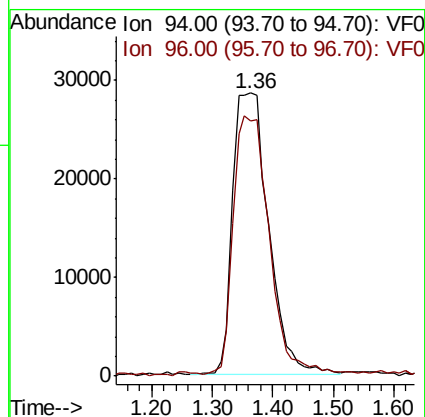
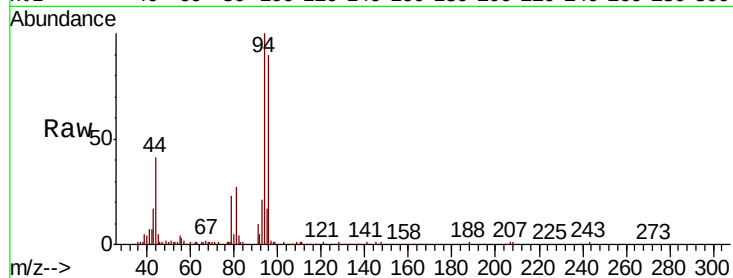
Acq: 19 Sep 2018 17:12

Tot Ion	94	Resp	118150
Ion Ratio	100	Lower	Upper
94	100		
96	90.2	73.9	110.9

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#6

Chloroethane

Concen: 46.18 ug/l

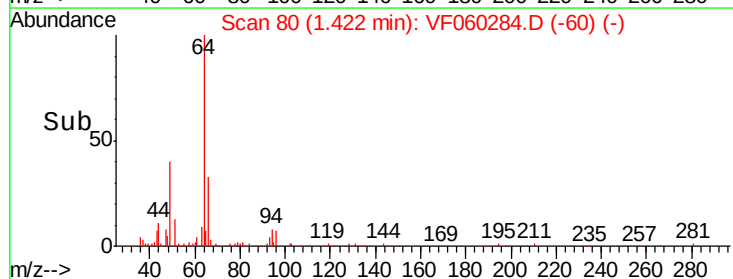
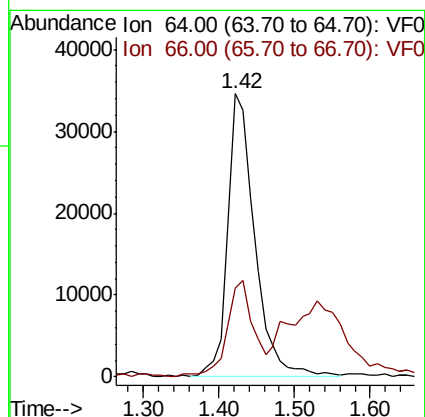
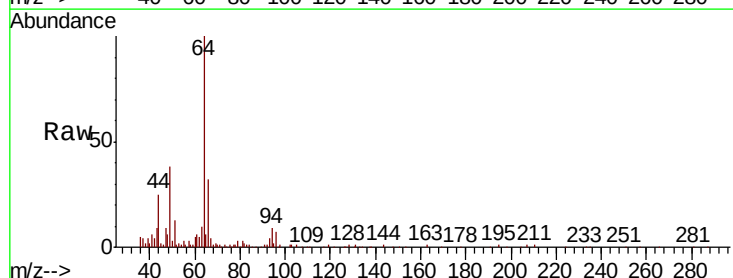
RT: 1.42 min Scan# 80

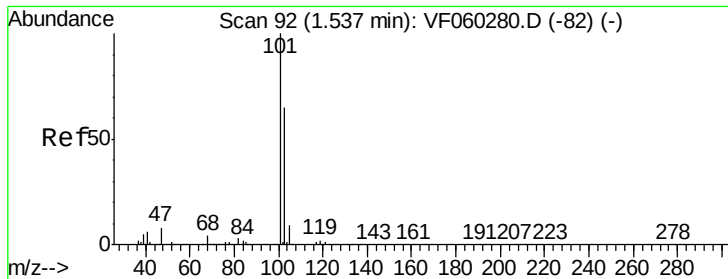
Delta R.T. -0.01 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

Tgt Ion	64	Resp	85577
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
64	100		
66	31.6	26.2	39.2





#7

Trichlorofluoromethane

Concen: 46.41 ug/l

RT: 1.53 min Scan# 91

Delta R.T. -0.01 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

Instrument :

MSVOA_F

ClientSampleId :

ICVVF091918

Tot Ion:101 Resp: 336458

Ion Ratio Lower Upper

101 100

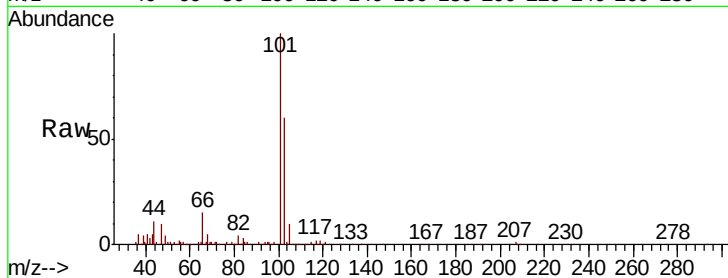
103 59.7 52.0 78.0

Manual Integrations

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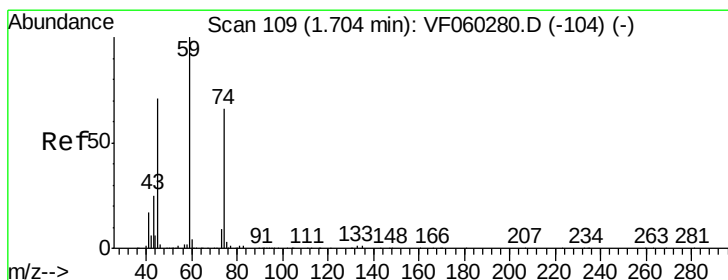
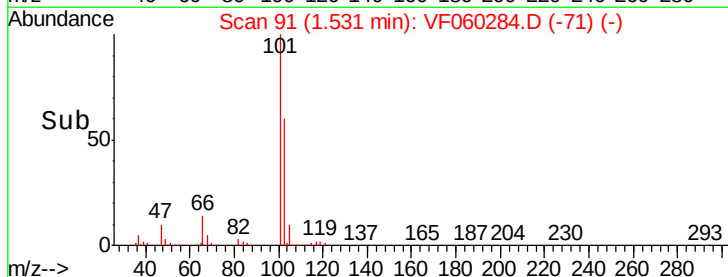
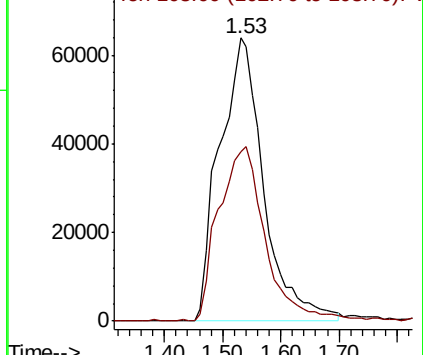
apatel

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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: 47.62 ug/l

RT: 1.70 min Scan# 108

Delta R.T. -0.01 min

Lab File: VF060284.D

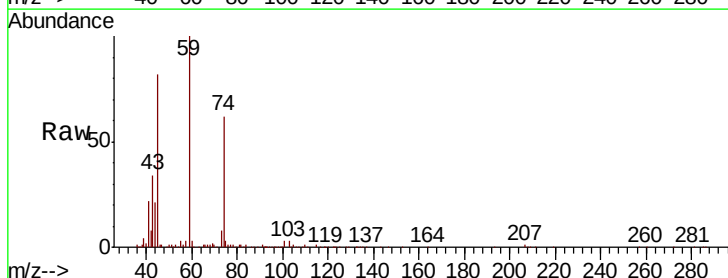
Acq: 19 Sep 2018 17:12

Tgt Ion: 74 Resp: 57434

Ion Ratio Lower Upper

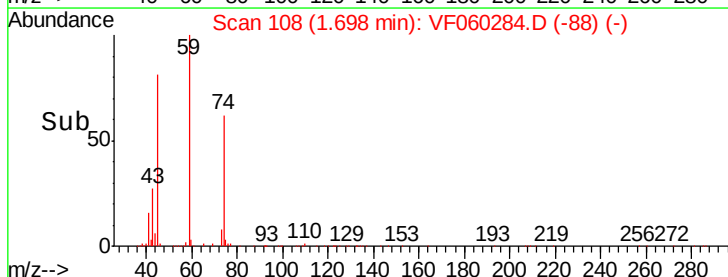
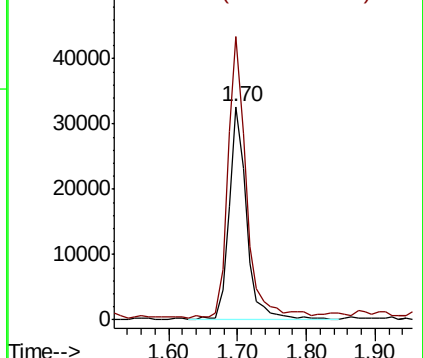
74 100

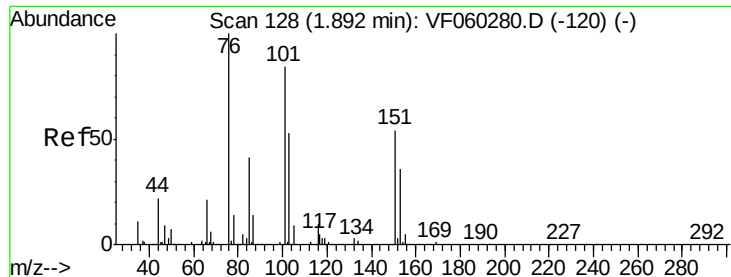
45 132.6 53.9 161.7



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: 45.84 ug/l

RT: 1.89 min Scan# 127

Delta R.T. -0.01 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

Instrument :

MSVOA_F

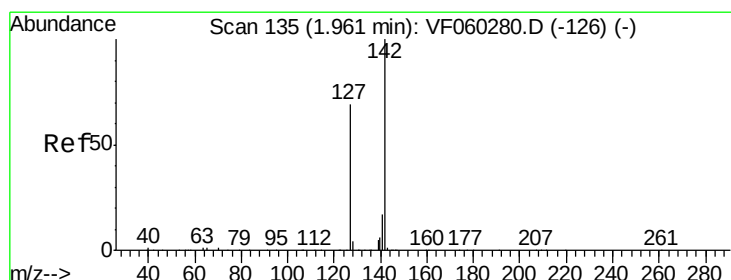
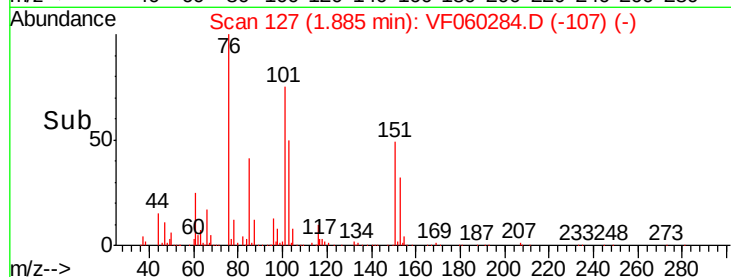
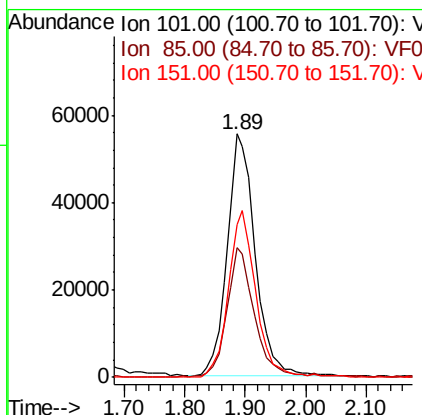
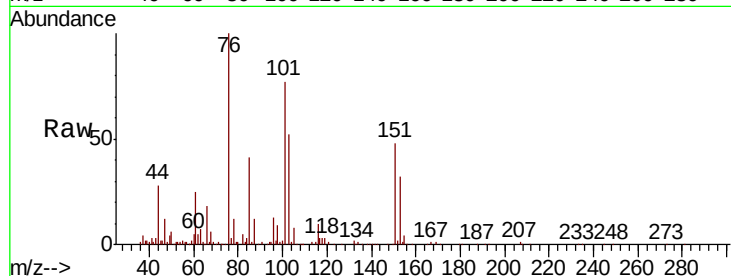
ClientSampleId :

ICVVF091918

Tot Ion:	101	Resp:	176735
Ion Ratio	Lower	Upper	
101	100		
85	53.1	38.7	58.1
151	62.7	50.8	76.2

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#10

Methyl Iodide

Concen: 45.42 ug/l

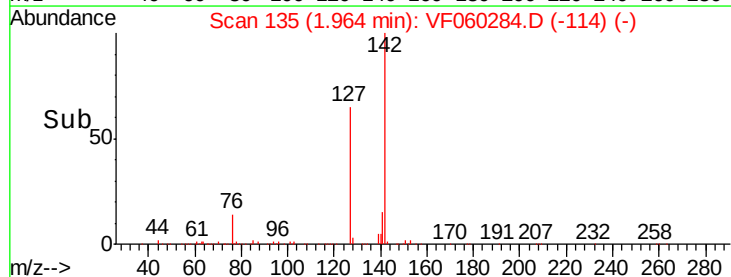
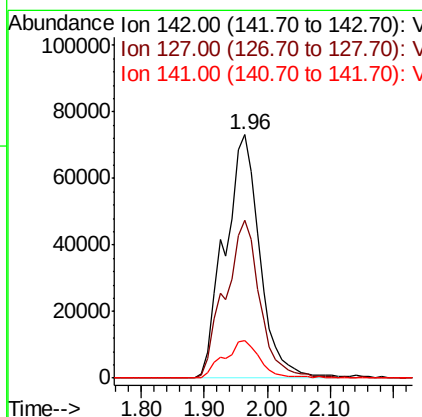
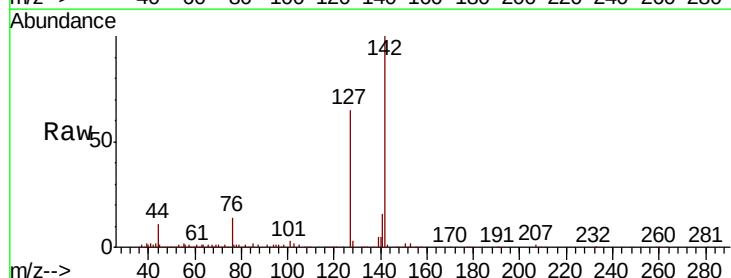
RT: 1.96 min Scan# 135

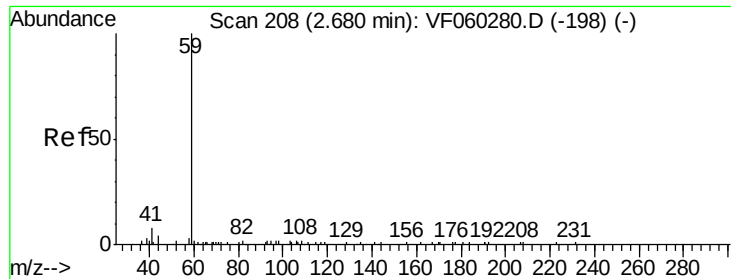
Delta R.T. 0.00 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

Tgt Ion:	142	Resp:	282387
Ion Ratio	Lower	Upper	
142	100		
127	64.9	55.4	83.0
141	15.7	13.3	19.9





#11

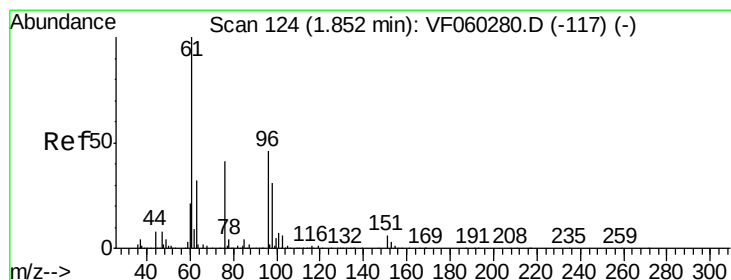
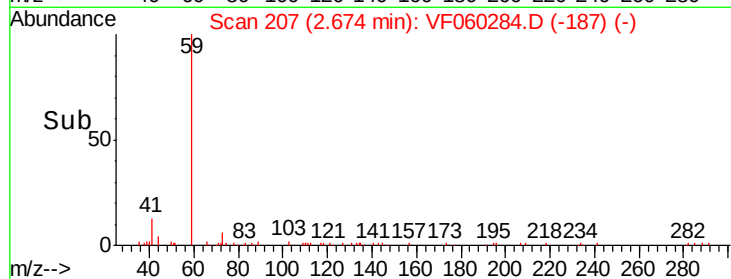
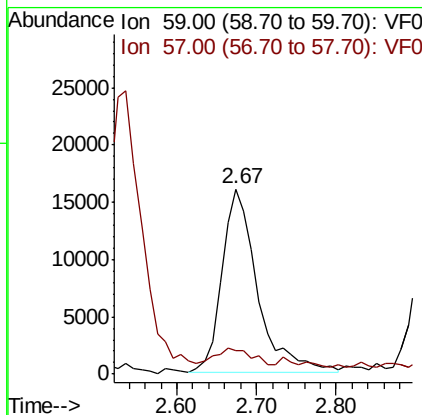
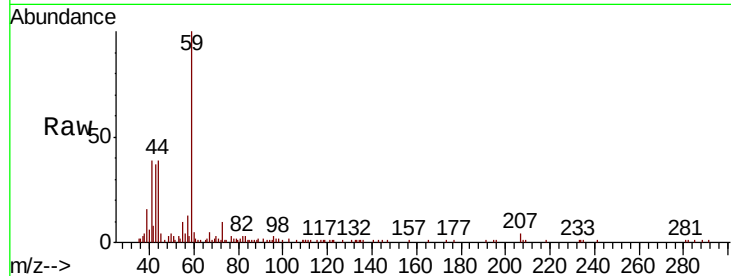
Tert butyl alcohol
Concen: 238.00 ug/l
RT: 2.67 min Scan# 207
Delta R.T. -0.01 min
Lab File: VF060284.D
Acq: 19 Sep 2018 17:12

Instrument :
MSVOA_F
ClientSampleId :
ICVVF091918

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.7	12.4	18.6

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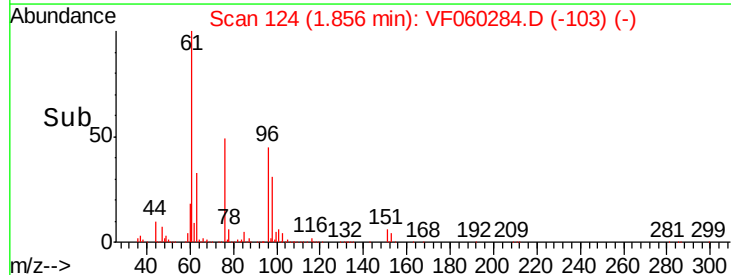
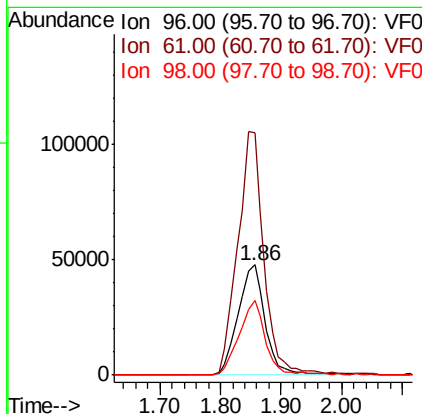
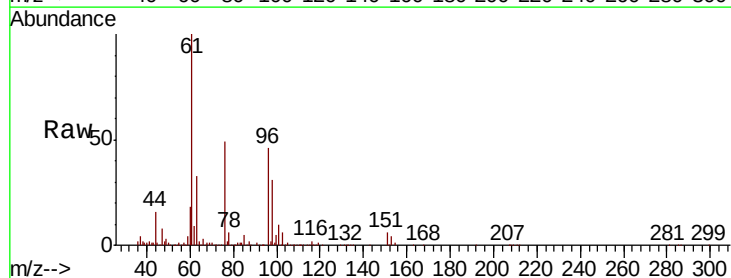
apatel
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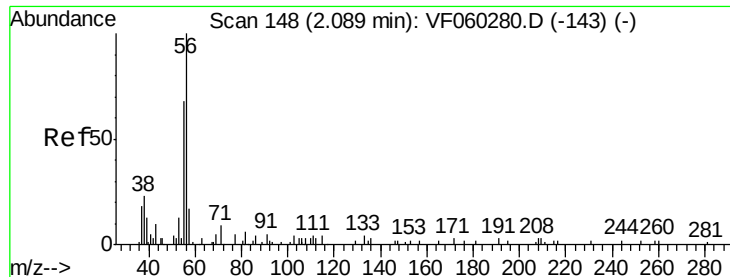


#12

1,1-Dichloroethene
Concen: 45.61 ug/l
RT: 1.86 min Scan# 124
Delta R.T. 0.00 min
Lab File: VF060284.D
Acq: 19 Sep 2018 17:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	219.5	172.2	258.2
98	67.7	54.1	81.1





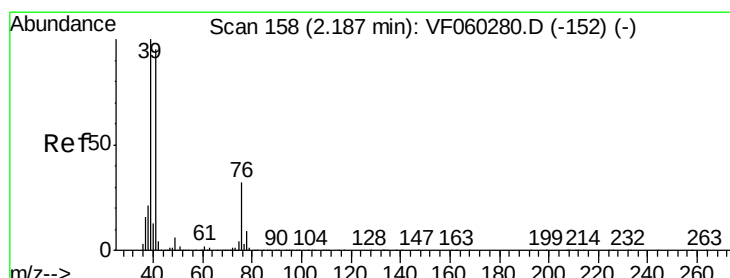
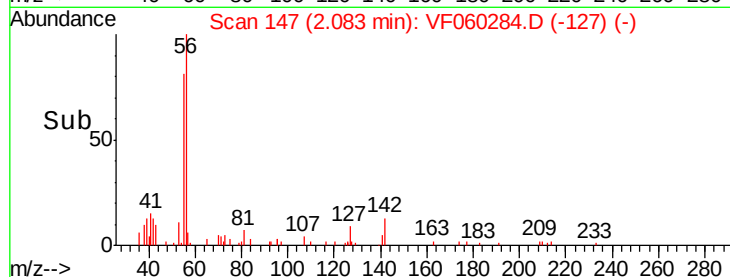
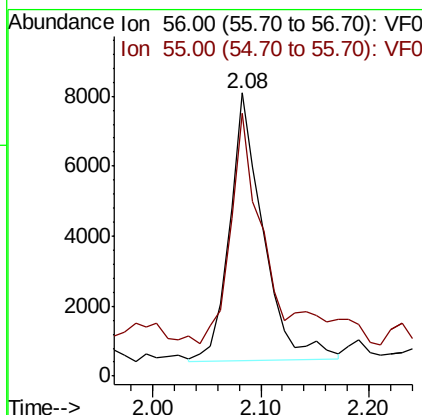
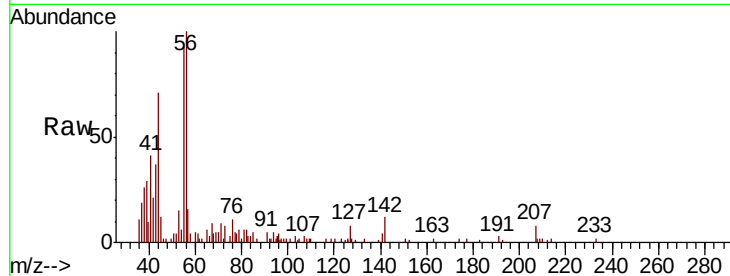
#13
Acrolein
Concen: 236.69 ug/l
RT: 2.08 min Scan# 147
Delta R.T. -0.01 min
Lab File: VF060284.D
Acq: 19 Sep 2018 17:12

Instrument :
MSVOA_F
ClientSampleId :
ICVVF091918

Tot Ion	Ratio	Lower	Upper
56	100		
55	92.8	69.9	104.9

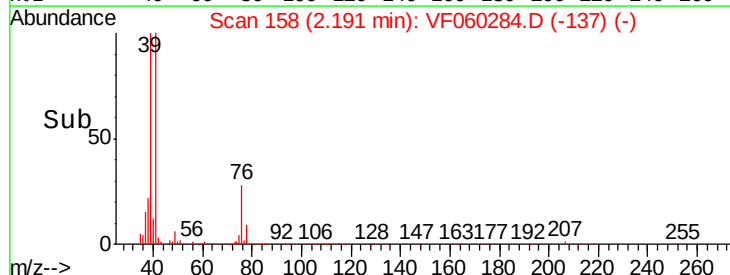
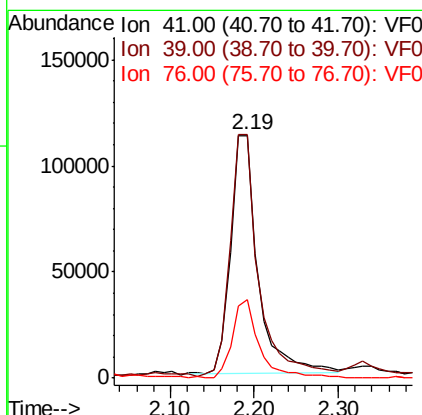
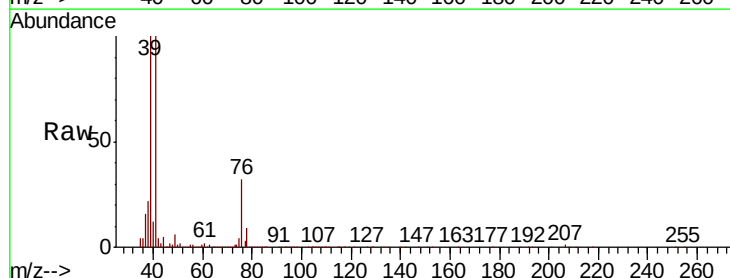
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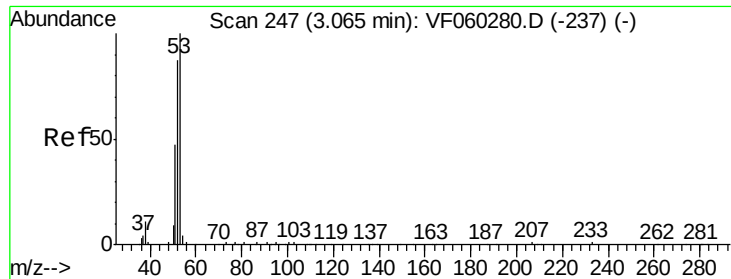
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#14
Allyl chloride
Concen: 45.87 ug/l
RT: 2.19 min Scan# 158
Delta R.T. 0.00 min
Lab File: VF060284.D
Acq: 19 Sep 2018 17:12

Tgt Ion	Ratio	Lower	Upper
41	100		
39	100.2	84.8	127.2
76	32.3	27.4	41.2





#15

Acrylonitrile

Concen: 220.82 ug/l

RT: 3.07 min Scan# 247

Delta R.T. 0.00 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

Instrument :

MSVOA_F

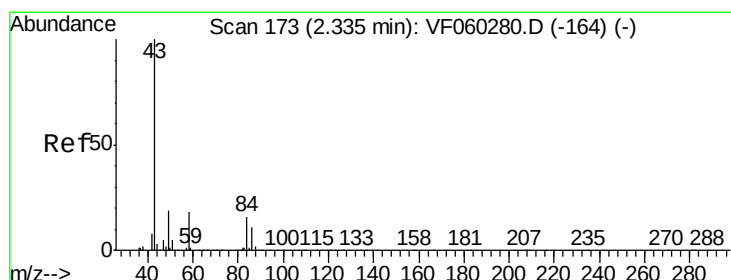
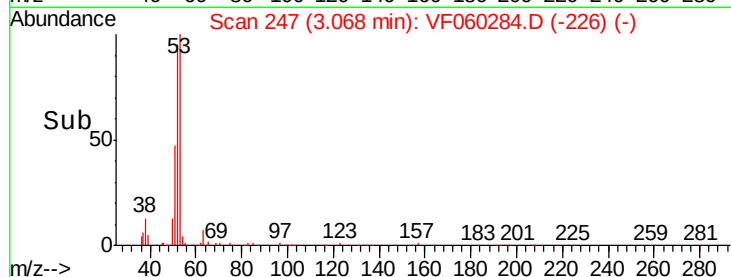
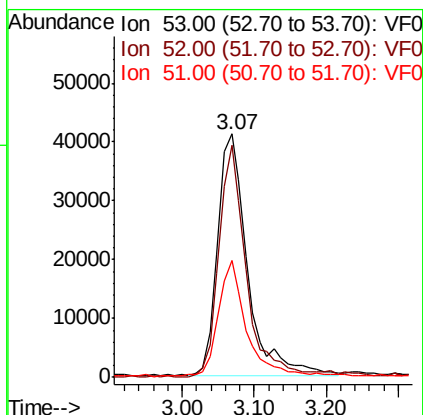
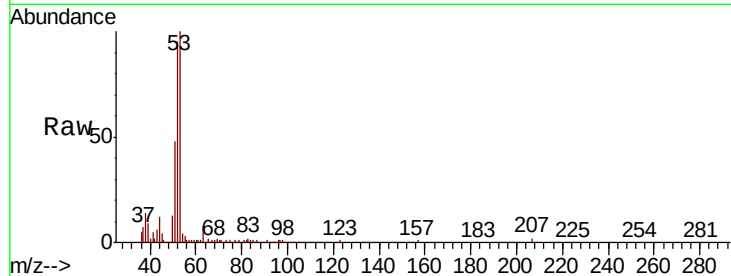
ClientSampleId :

ICVVF091918

Tot Ion:	53	Resp:	117665
Ion	Ratio	Lower	Upper
53	100		
52	95.1	69.5	104.3
51	48.2	38.1	57.1

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#16

Acetone

Concen: 251.04 ug/l

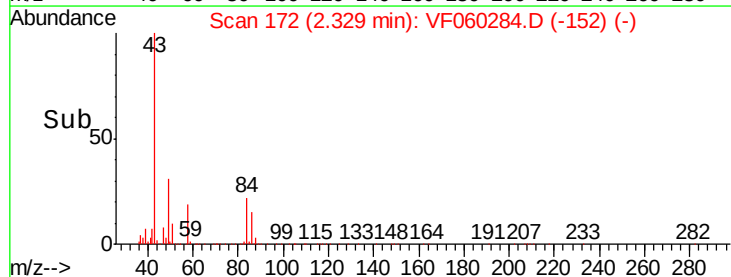
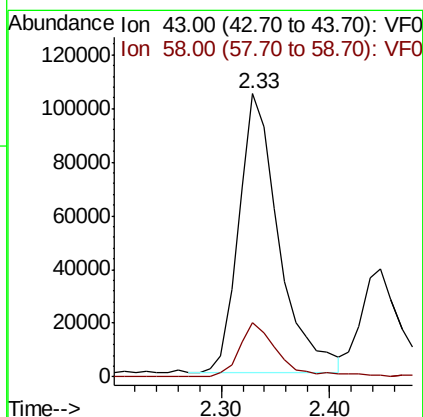
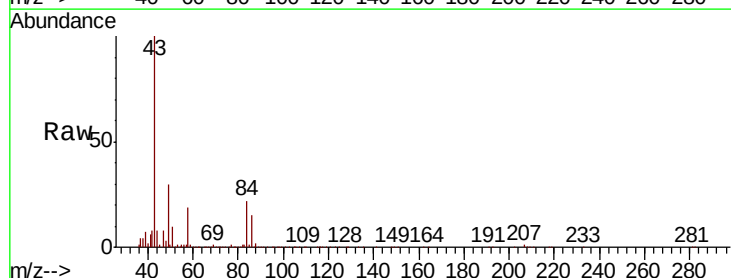
RT: 2.33 min Scan# 172

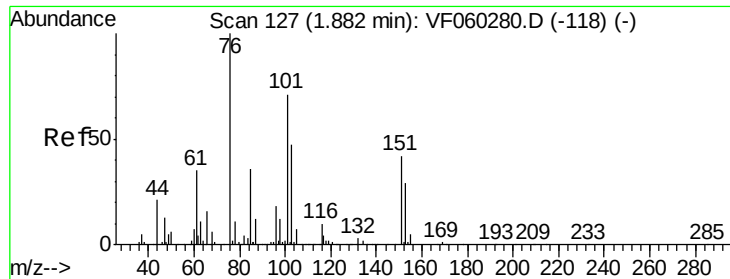
Delta R.T. -0.01 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

Tgt Ion:	43	Resp:	266737
Ion	Ratio	Lower	Upper
43	100		
58	19.1	14.5	21.7





#17

Carbon Disulfide

Concen: 50.90 ug/l

RT: 1.89 min Scan# 127

Delta R.T. 0.00 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

Instrument :

MSVOA_F

ClientSampleId :

ICVVF091918

Tot Ion: 76 Resp: 407086

Ion Ratio Lower Upper

76 100

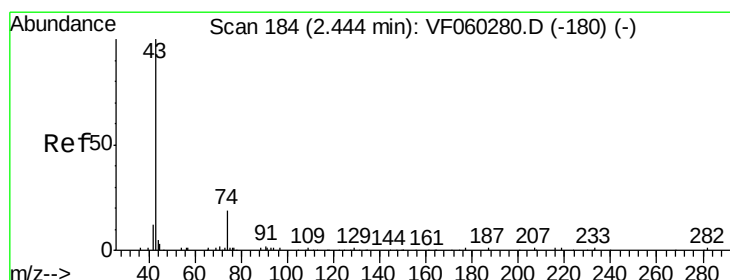
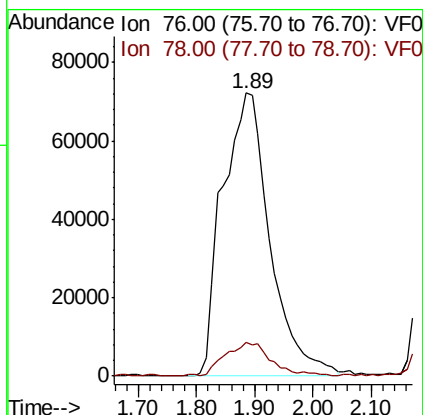
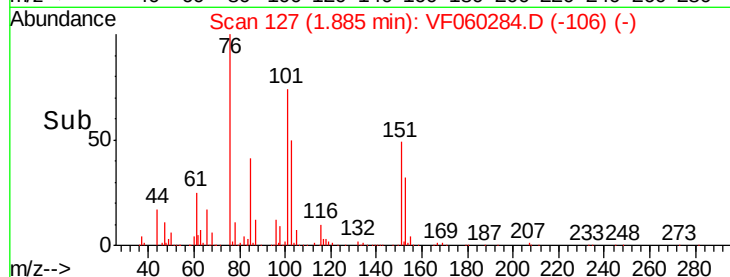
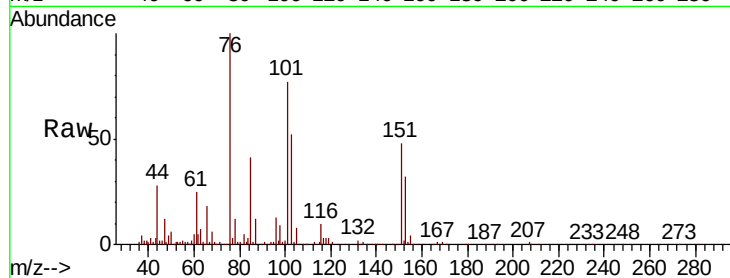
78 12.0 9.4 14.0

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#18

Methyl Acetate

Concen: 51.18 ug/l

RT: 2.45 min Scan# 184

Delta R.T. 0.00 min

Lab File: VF060284.D

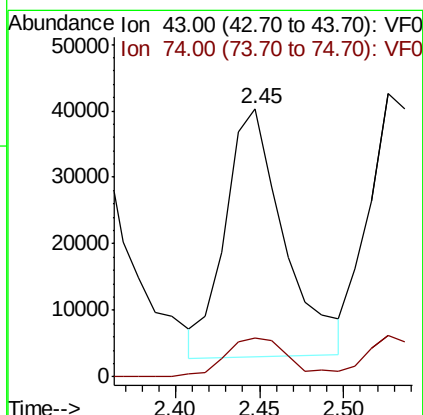
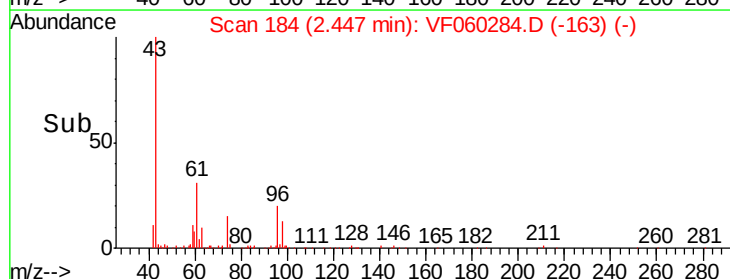
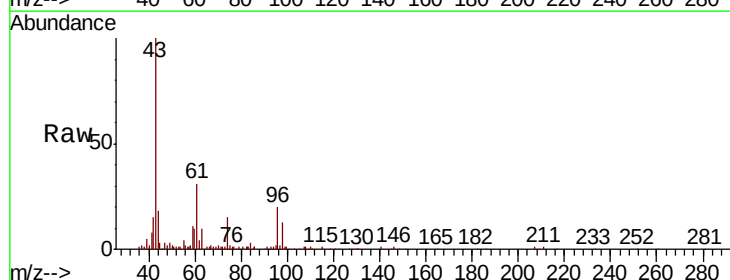
Acq: 19 Sep 2018 17:12

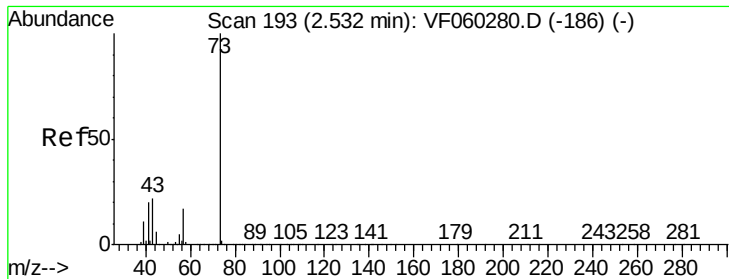
Tgt Ion: 43 Resp: 90585

Ion Ratio Lower Upper

43 100

74 14.6 12.7 19.1





#19

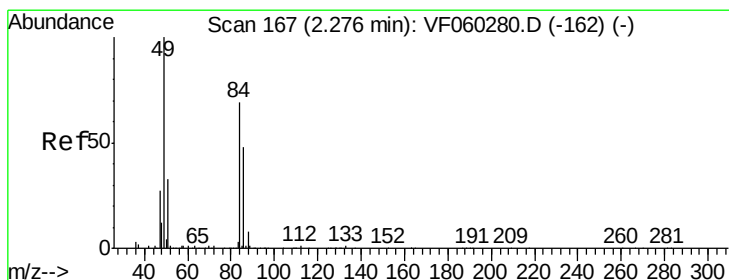
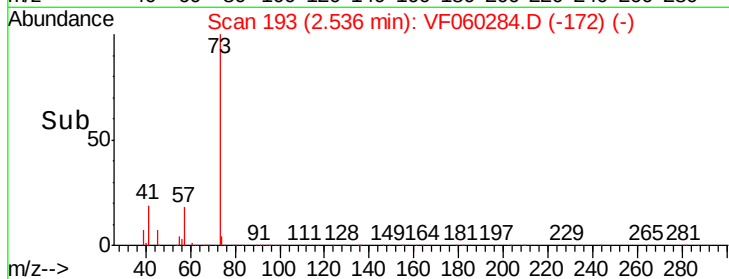
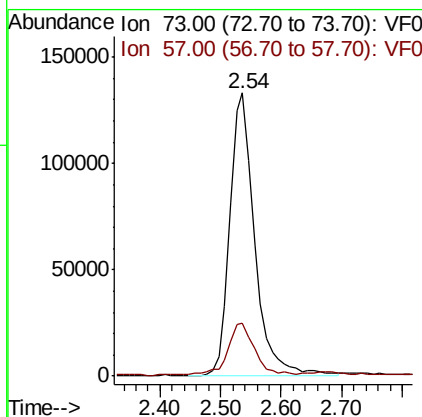
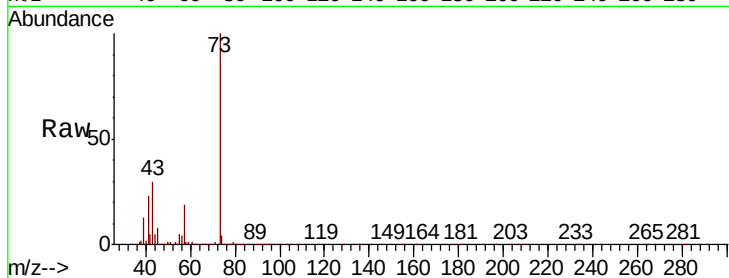
Methyl tert-butyl Ether
 Concen: 47.38 ug/l
 RT: 2.54 min Scan# 193
 Delta R.T. 0.00 min
 Lab File: VF060284.D
 Acq: 19 Sep 2018 17:12

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVVF091918

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.6	14.5	21.7

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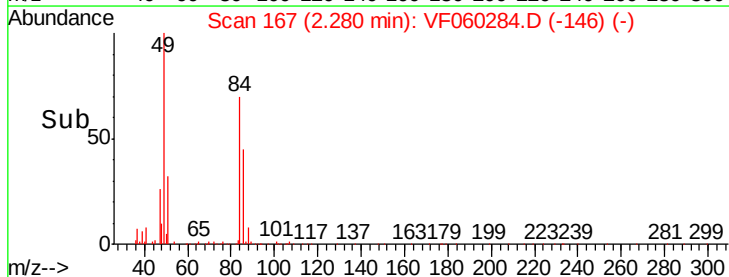
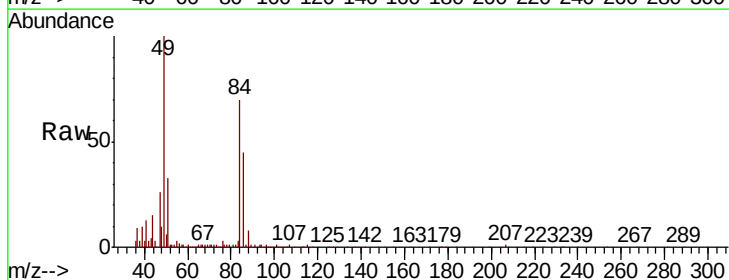
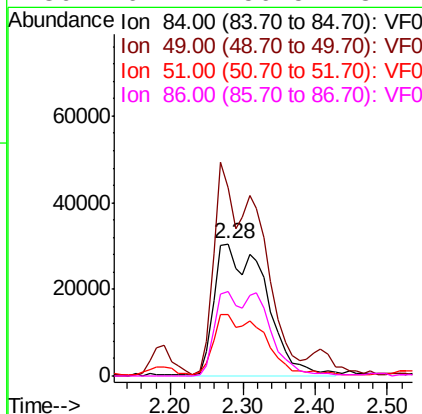
apatel
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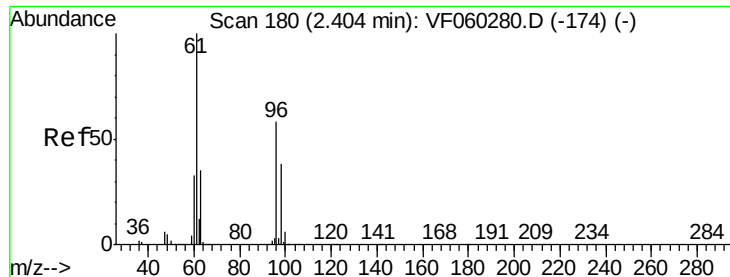


#20

Methylene Chloride
 Concen: 52.05 ug/l m
 RT: 2.28 min Scan# 167
 Delta R.T. 0.00 min
 Lab File: VF060284.D
 Acq: 19 Sep 2018 17:12

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.3	118.3	177.5
51	46.9	38.7	58.1
86	64.2	56.5	84.7





#21

trans-1,2-Dichloroethene

Concen: 46.46 ug/l

RT: 2.41 min Scan# 180

Delta R.T. 0.00 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

Instrument :

MSVOA_F

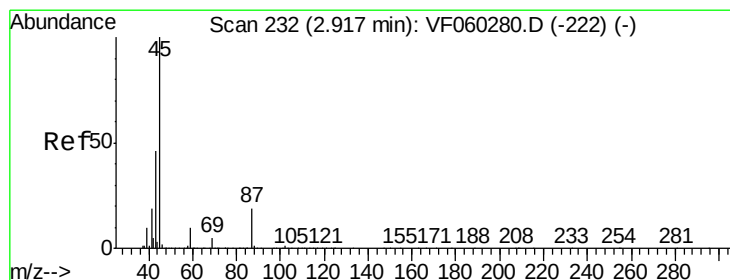
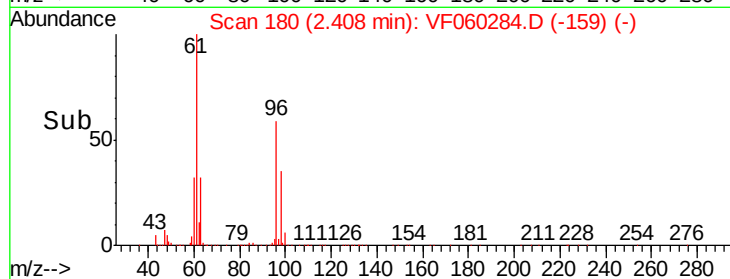
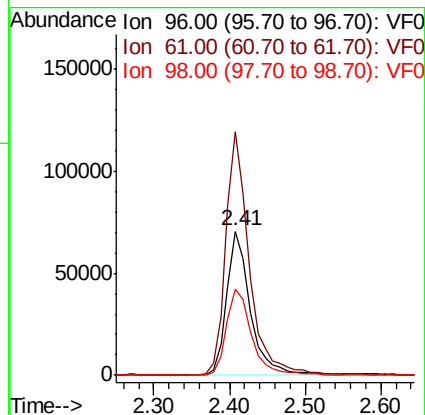
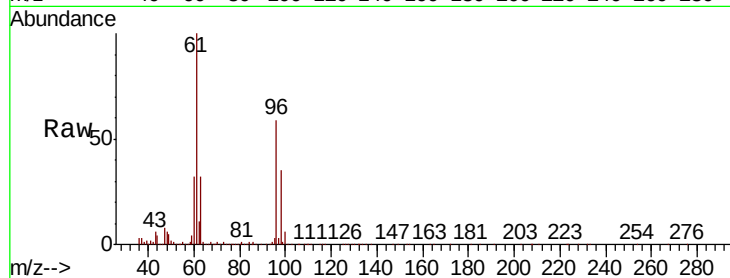
ClientSampleId :

ICVVF091918

Tot Ion:	96	Resp:	152999
Ion	Ratio	Lower	Upper
96	100		
61	169.3	136.4	204.6
98	59.5	51.8	77.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 47.49 ug/l

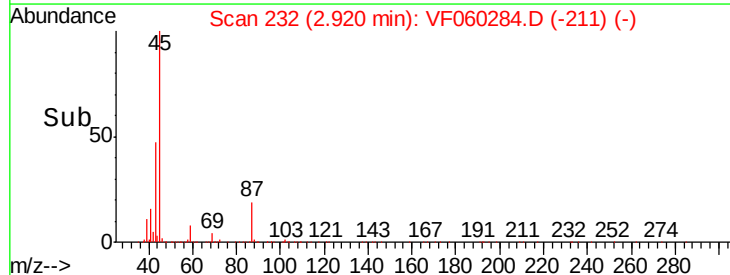
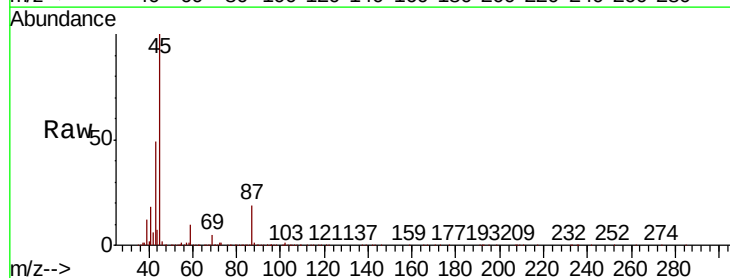
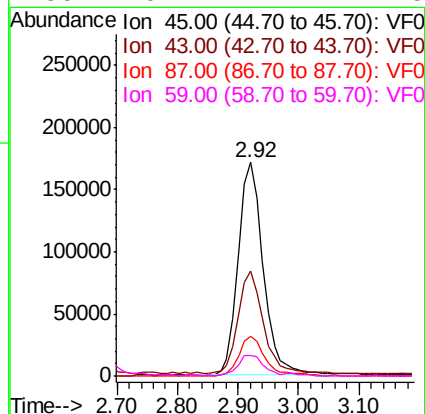
RT: 2.92 min Scan# 232

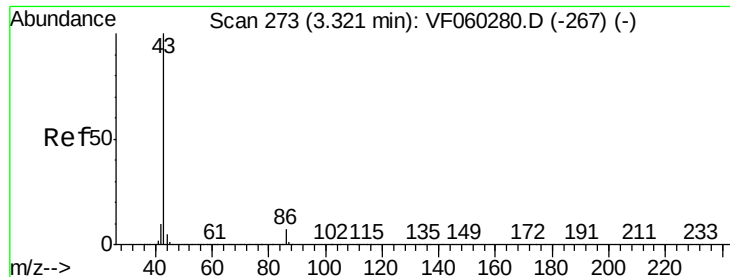
Delta R.T. 0.00 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

Tgt Ion:	45	Resp:	498595
Ion	Ratio	Lower	Upper
45	100		
43	49.0	38.2	57.2
87	18.8	15.5	23.3
59	9.7	7.7	11.5





#23

Vinyl Acetate

Concen: 246.62 ug/l

RT: 3.32 min Scan# 273

Delta R.T. 0.00 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

Instrument :

MSVOA_F

ClientSampleId :

ICVVF091918

Tot Ion: 43 Resp: 1016840

Ion Ratio Lower Upper

43 100

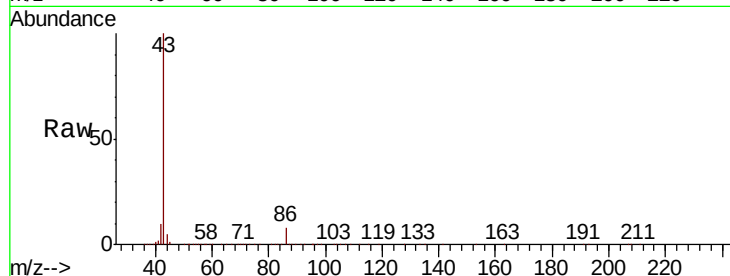
86 8.0 5.9 8.9

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.32

400000

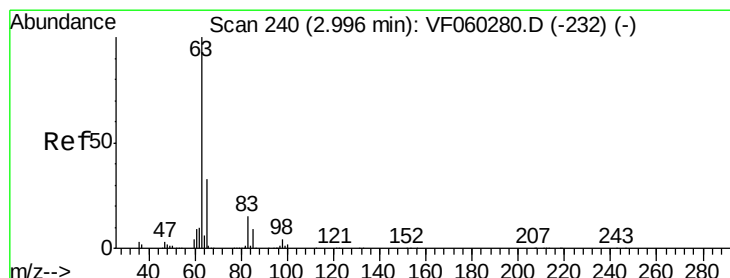
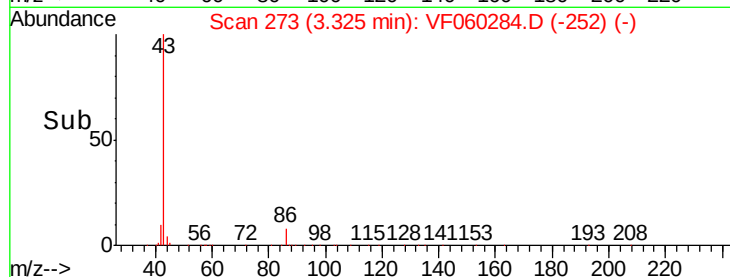
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 47.22 ug/l

RT: 3.00 min Scan# 240

Delta R.T. 0.00 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

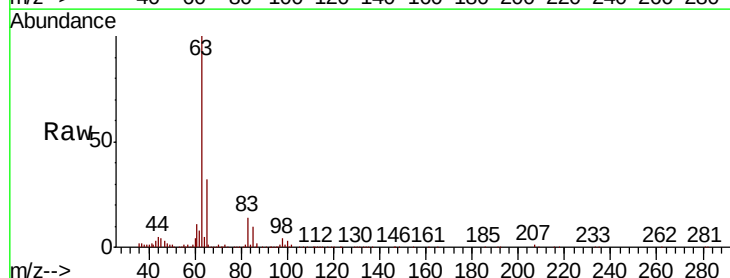
Tgt Ion: 63 Resp: 321499

Ion Ratio Lower Upper

63 100

98 3.8 2.1 6.5

100 3.1 1.1 3.3



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

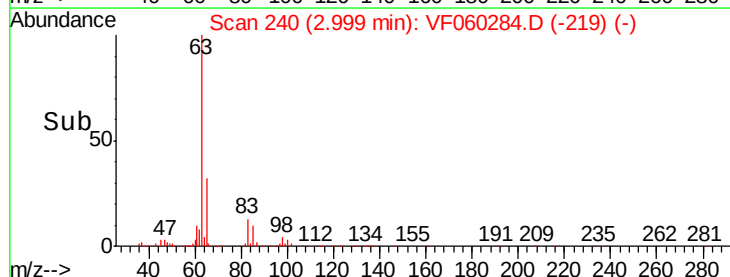
150000

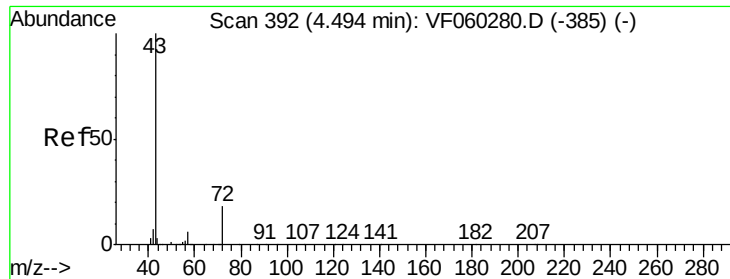
100000

50000

0

Time-->





#25

2-Butanone

Concen: 240.34 ug/l

RT: 4.50 min Scan# 392

Delta R.T. 0.00 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

Tot Ion: 43 Resp: 343721

Ion Ratio Lower Upper

43 100

72 20.3 16.2 24.2

Instrument :

MSVOA_F

ClientSampleId :

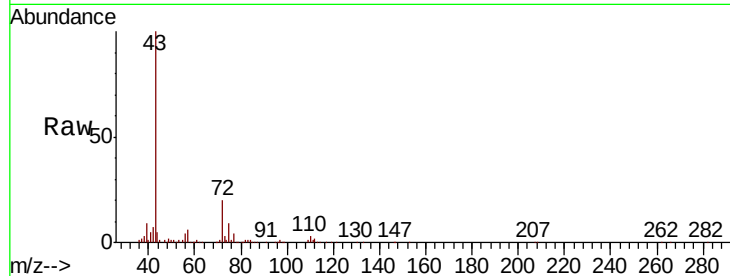
ICVVF091918

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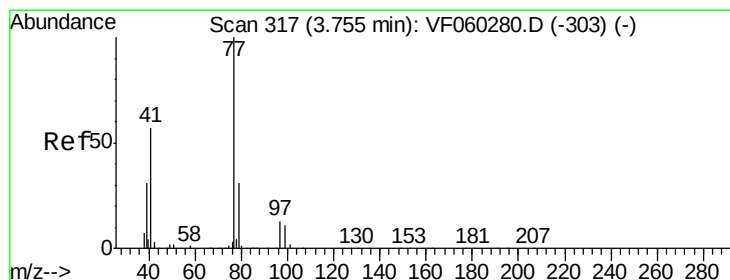
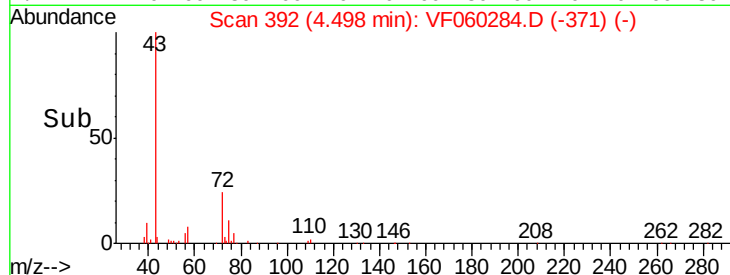
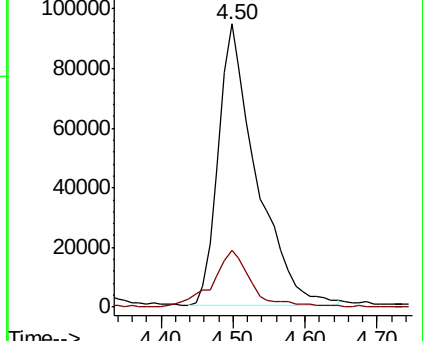
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 44.52 ug/l

RT: 3.75 min Scan# 316

Delta R.T. -0.01 min

Lab File: VF060284.D

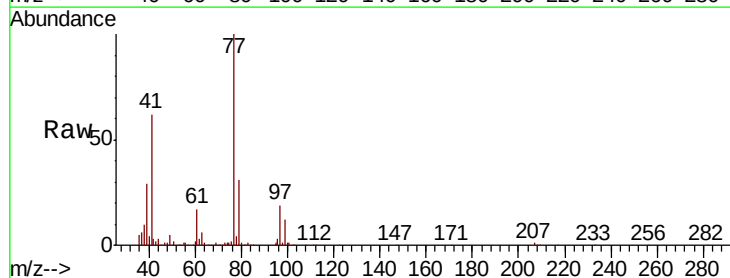
Acq: 19 Sep 2018 17:12

Tgt Ion: 77 Resp: 172939

Ion Ratio Lower Upper

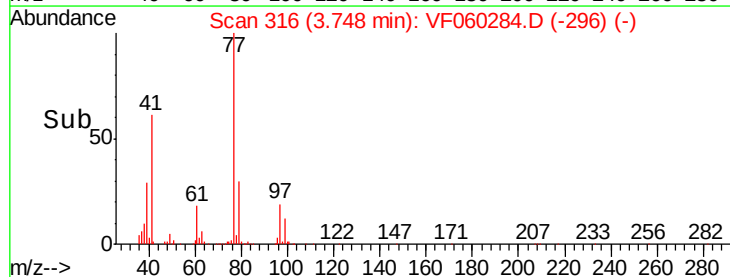
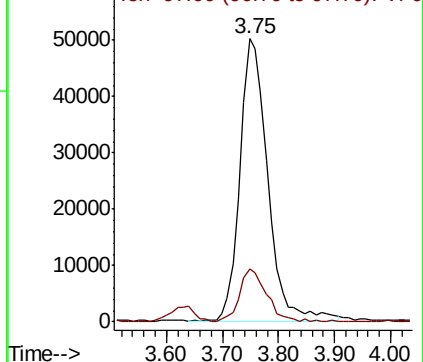
77 100

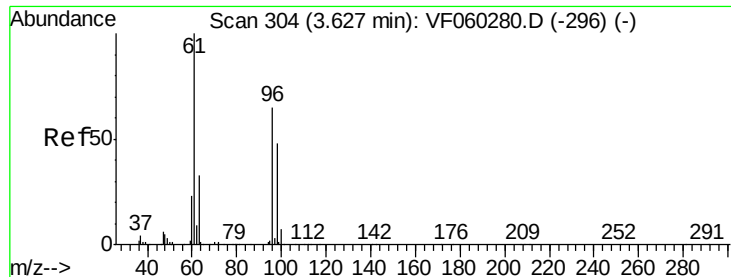
97 18.8 9.3 27.9



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

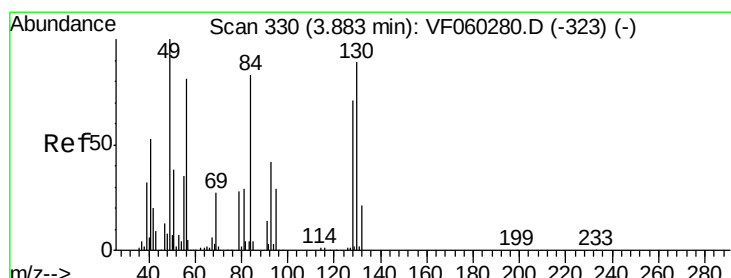
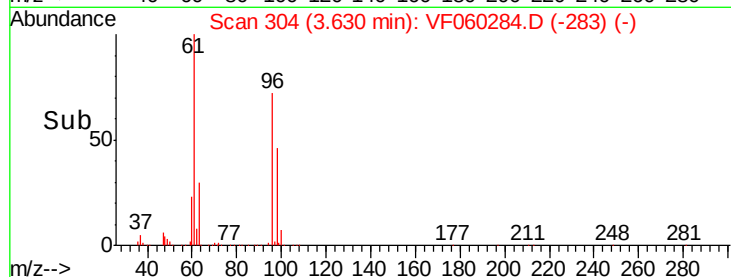
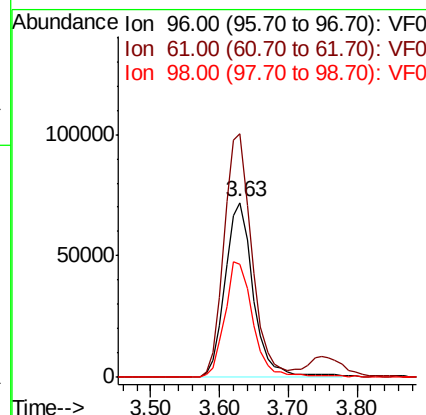
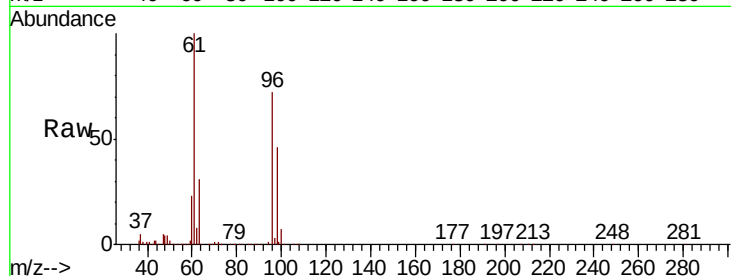
cis-1,2-Dichloroethene
Concen: 47.57 ug/l
RT: 3.63 min Scan# 304
Delta R.T. 0.00 min
Lab File: VF060284.D
Acq: 19 Sep 2018 17:12

Instrument :
MSVOA_F
ClientSampleId :
ICVVF091918

Tot Ion	Ratio	Resp	Lower	Upper
96	100	205800		
61	139.4	0.0	304.8	
98	64.5	0.0	146.4	

Manual Integrations
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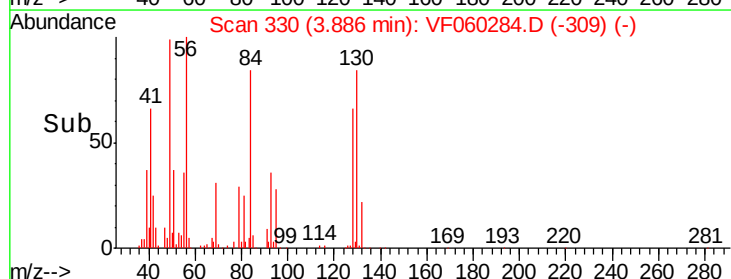
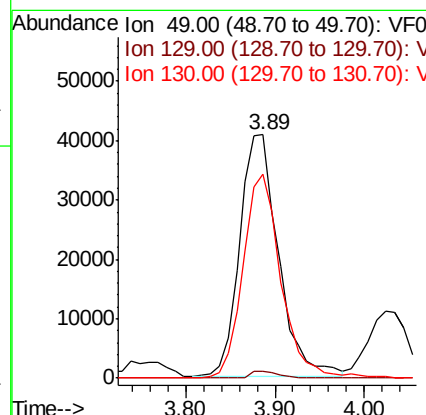
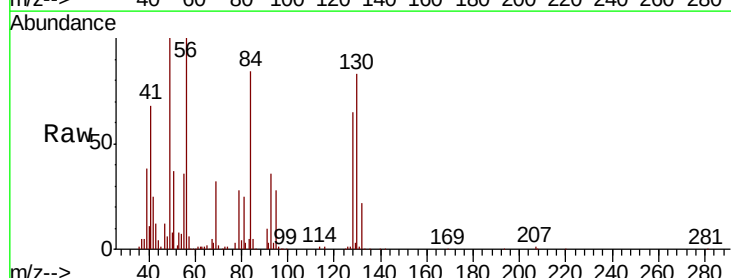
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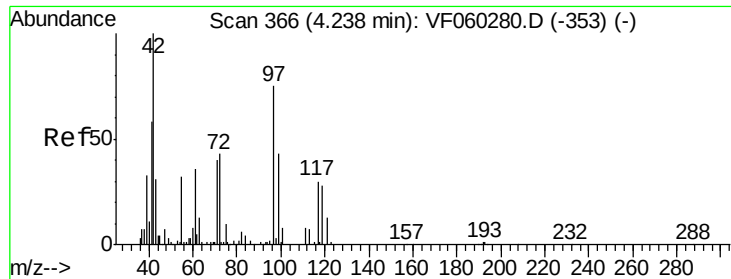


#28

Bromochloromethane
Concen: 46.61 ug/l
RT: 3.89 min Scan# 330
Delta R.T. 0.00 min
Lab File: VF060284.D
Acq: 19 Sep 2018 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	123562		
129	3.0	0.0	4.2	
130	83.5	70.3	105.5	





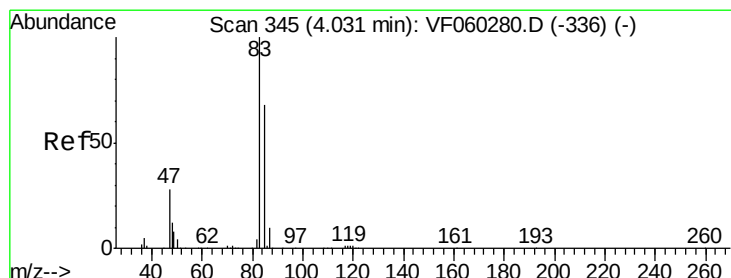
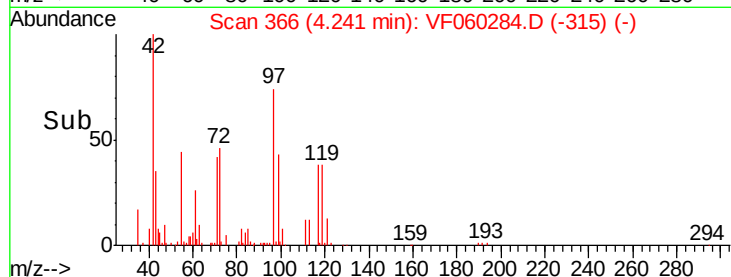
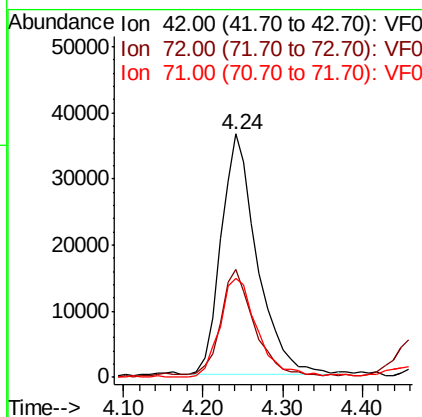
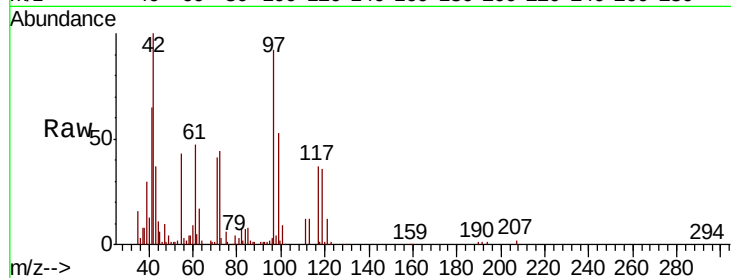
#29
Tetrahydrofuran
Concen: 220.13 ug/l
RT: 4.24 min Scan# 366
Delta R.T. 0.00 min
Lab File: VF060284.D
Acq: 19 Sep 2018 17:12

Instrument :
MSVOA_F
ClientSampleId :
ICVVF091918

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	32.8	49.2
71	42.9	32.7	49.1

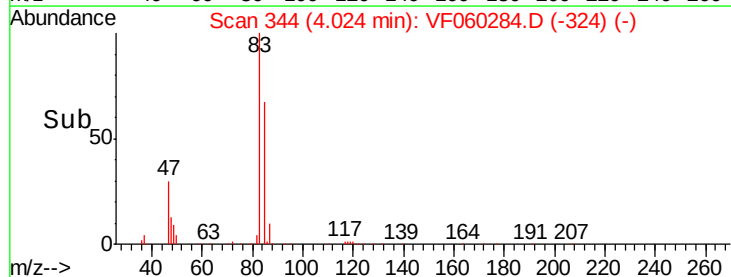
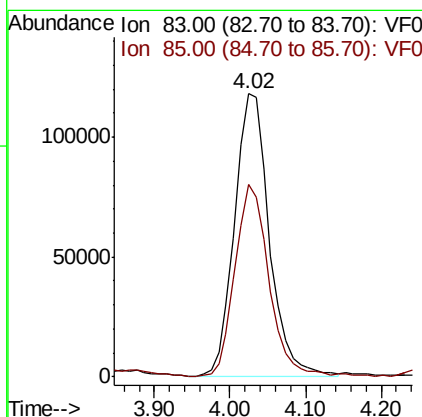
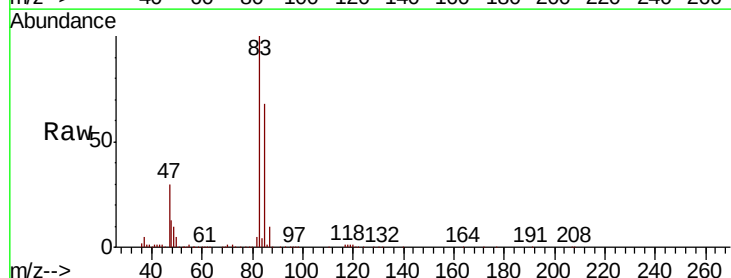
Manual Integrations
APPROVED

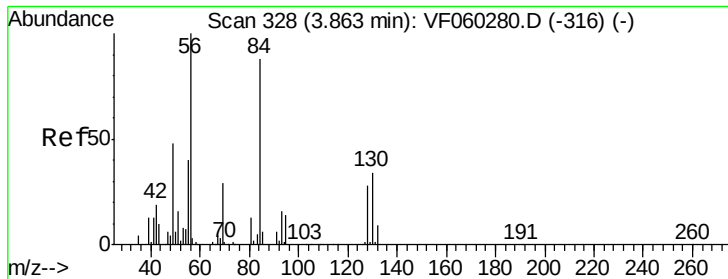
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#30
Chloroform
Concen: 45.67 ug/l
RT: 4.02 min Scan# 344
Delta R.T. -0.01 min
Lab File: VF060284.D
Acq: 19 Sep 2018 17:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.0	54.9	82.3





#31

Cyclohexane

Concen: 42.45 ug/l

RT: 3.87 min Scan# 328

Delta R.T. 0.00 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

Instrument :

MSVOA_F

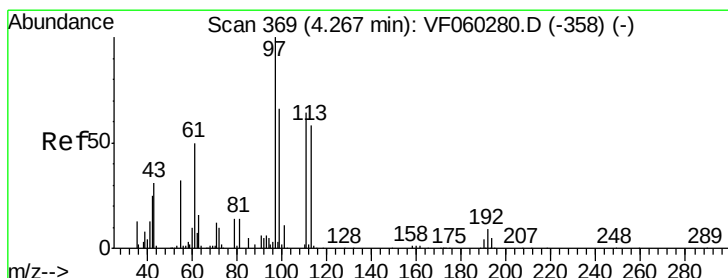
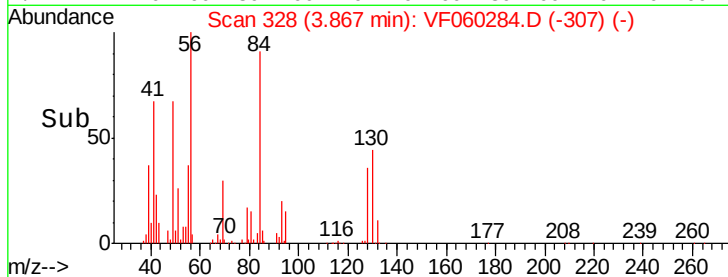
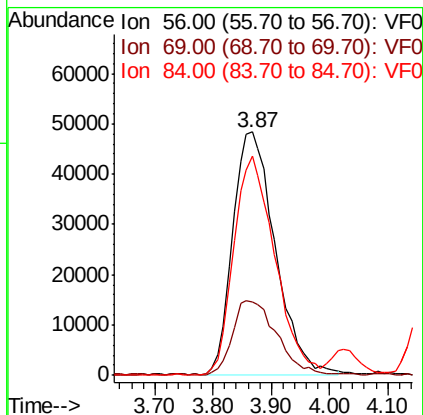
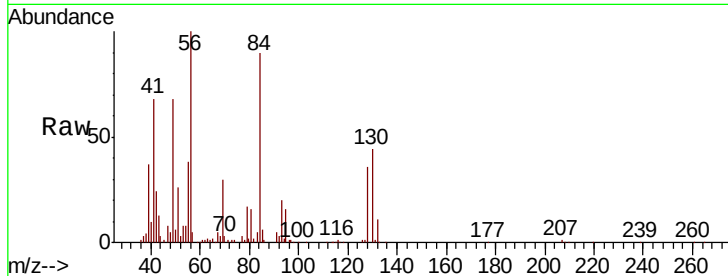
ClientSampleId :

ICVVF091918

Tot Ion:	56	Resp:	244134
Ion	Ratio	Lower	Upper
56	100		
69	30.2	23.8	35.6
84	90.3	70.2	105.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 45.85 ug/l

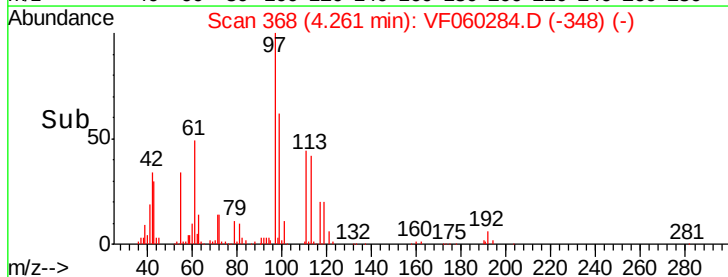
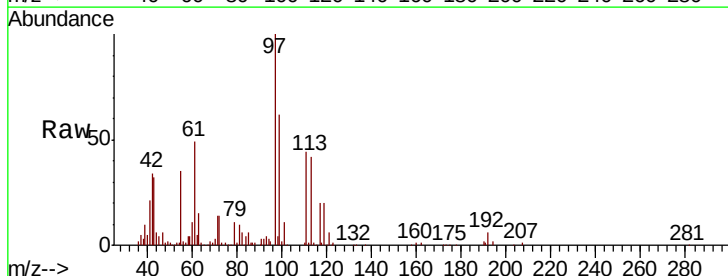
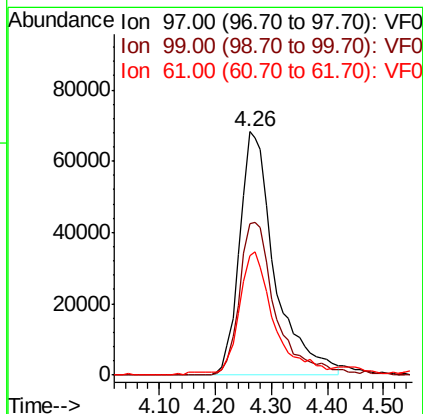
RT: 4.26 min Scan# 368

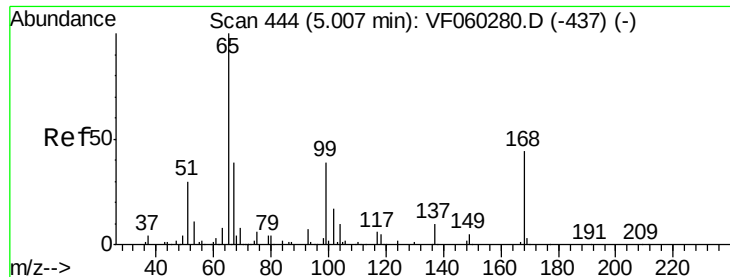
Delta R.T. -0.01 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

Tgt Ion:	97	Resp:	297194
Ion	Ratio	Lower	Upper
97	100		
99	62.2	53.0	79.4
61	49.1	40.6	61.0





#33

1,2-Dichloroethane-d4

Concen: 45.63 ug/l

RT: 5.01 min Scan# 444

Delta R.T. 0.00 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

Tot Ion: 65 Resp: 172163

Ion Ratio Lower Upper

65 100

67 46.8 0.0 94.4

Instrument :

MSVOA_F

ClientSampleId :

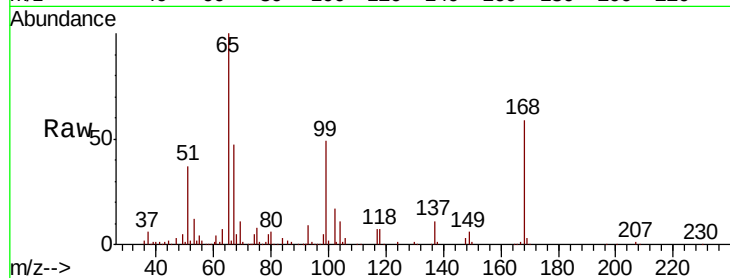
ICVVF091918

Manual Integrations

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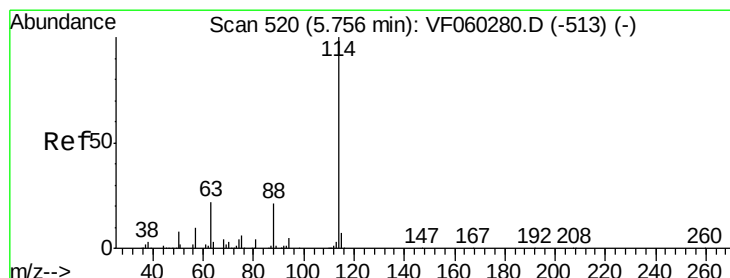
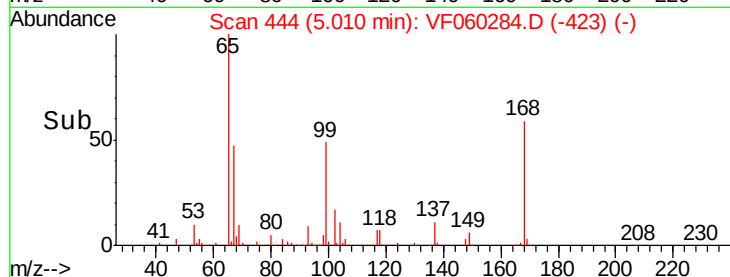
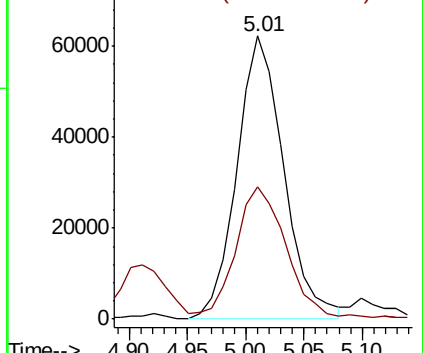
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 520

Delta R.T. 0.00 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

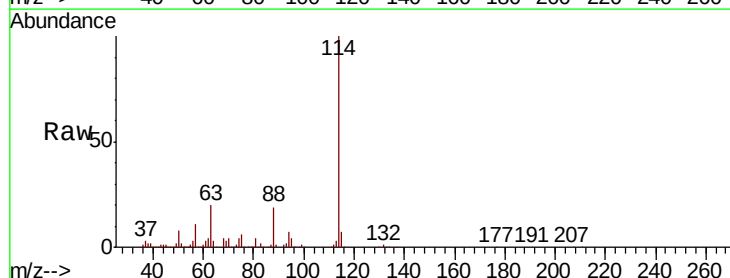
Tgt Ion:114 Resp: 465399

Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.8

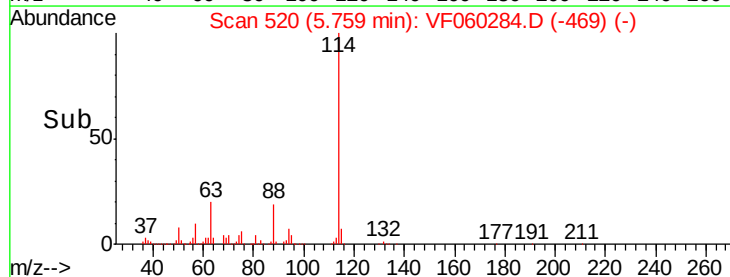
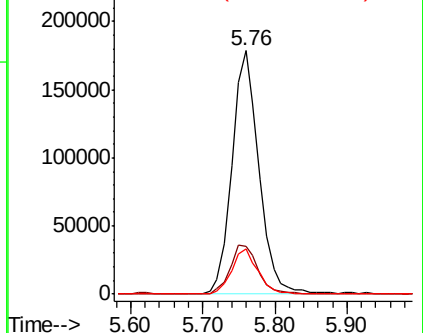
88 18.7 0.0 41.2

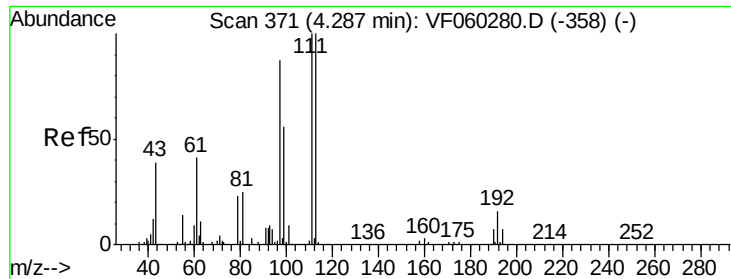


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 46.41 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.01 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

Instrument :

MSVOA_F

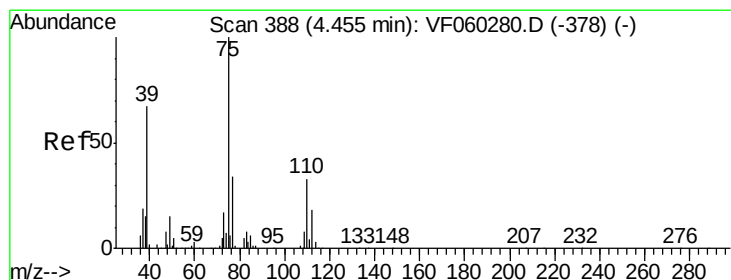
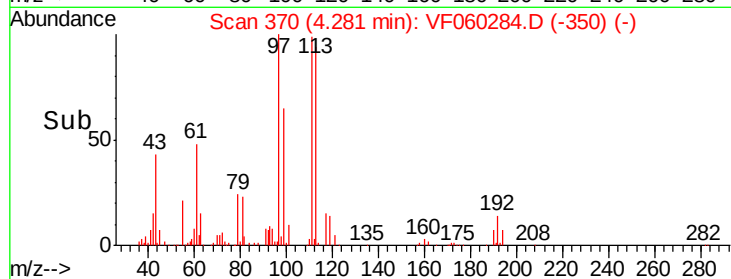
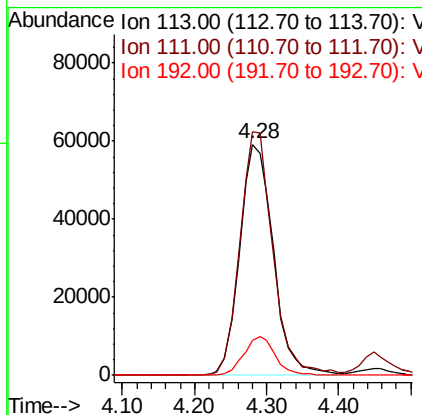
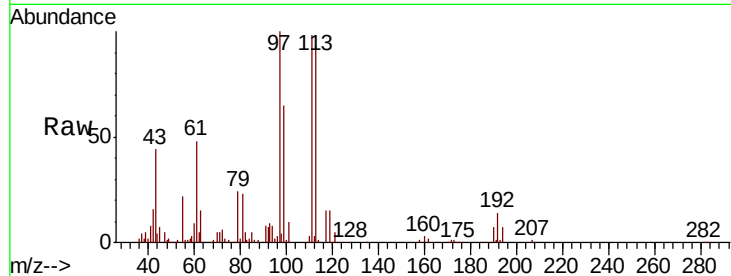
ClientSampleId :

ICVVF091918

Tot Ion:	113	Resp:	192547
Ion Ratio	Lower	Upper	
113	100		
111	105.3	79.6	119.4
192	15.3	13.0	19.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 43.61 ug/l

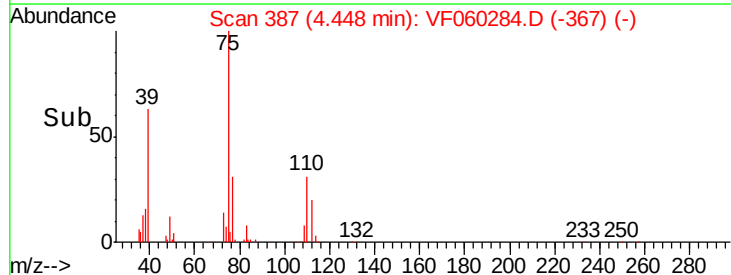
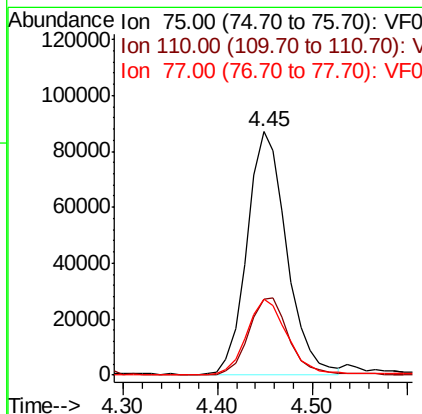
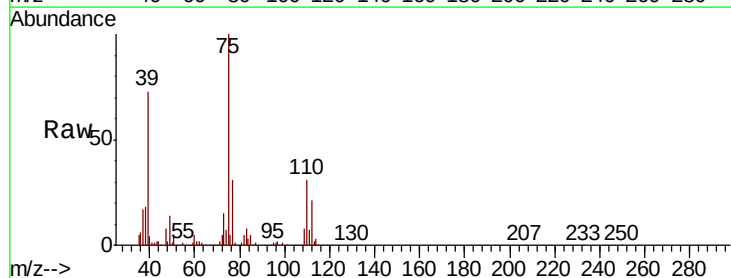
RT: 4.45 min Scan# 387

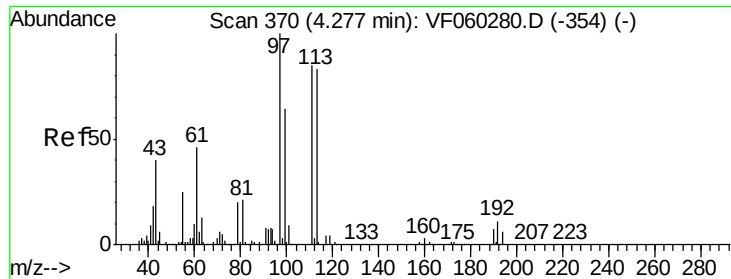
Delta R.T. -0.01 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

Tgt Ion:	75	Resp:	253176
Ion Ratio	Lower	Upper	
75	100		
110	31.1	16.4	49.2
77	31.1	27.3	40.9





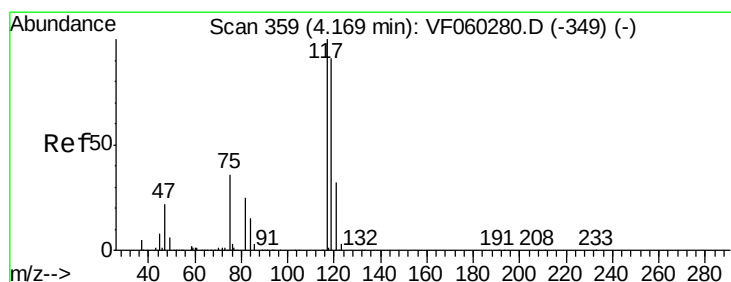
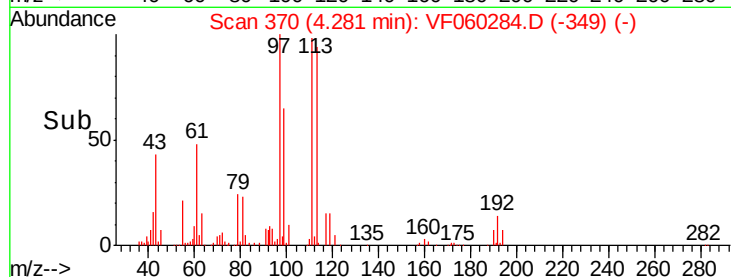
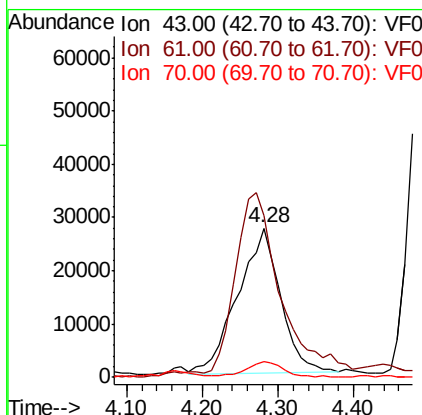
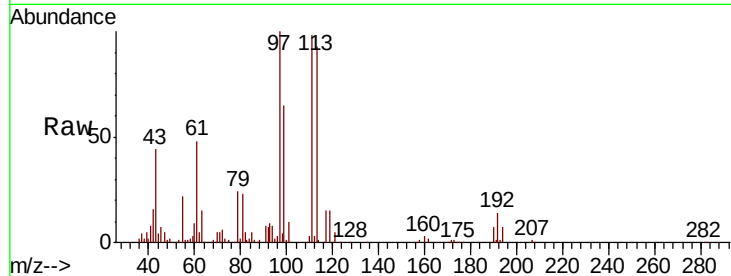
#37
Ethyl Acetate
Concen: 43.49 ug/l
RT: 4.28 min Scan# 370
Delta R.T. 0.00 min
Lab File: VF060284.D
Acq: 19 Sep 2018 17:12

Instrument :
MSVOA_F
ClientSampleId :
ICVVF091918

Tot Ion	Ratio	Lower	Upper
43	100		
61	108.1	91.1	136.7
70	10.3	6.9	10.3#

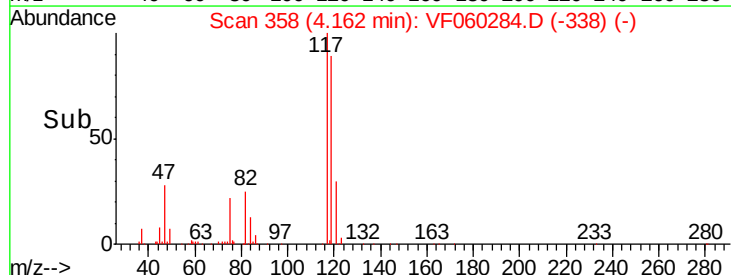
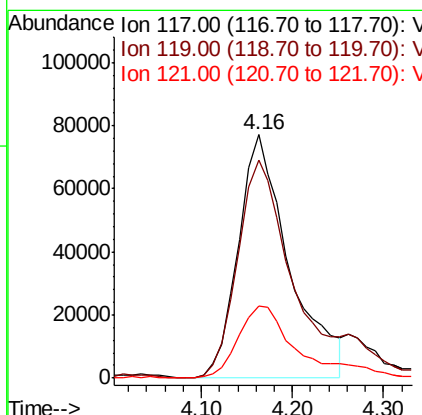
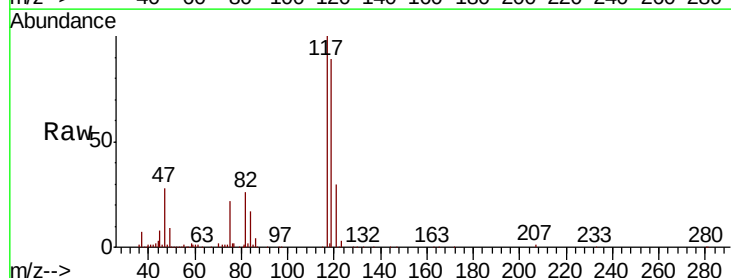
Manual Integrations
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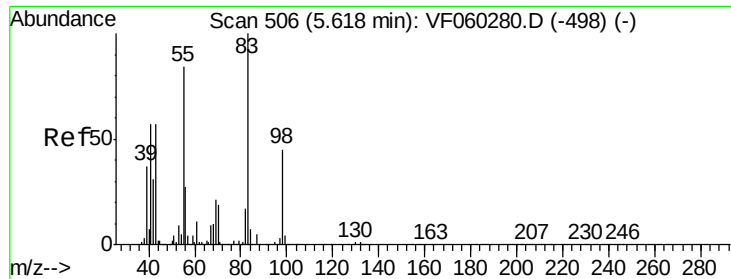
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#38
Carbon Tetrachloride
Concen: 44.76 ug/l m
RT: 4.16 min Scan# 358
Delta R.T. -0.01 min
Lab File: VF060284.D
Acq: 19 Sep 2018 17:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.5	73.0	109.6
121	29.8	25.4	38.2





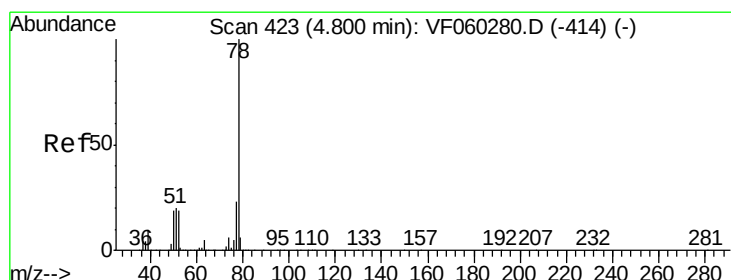
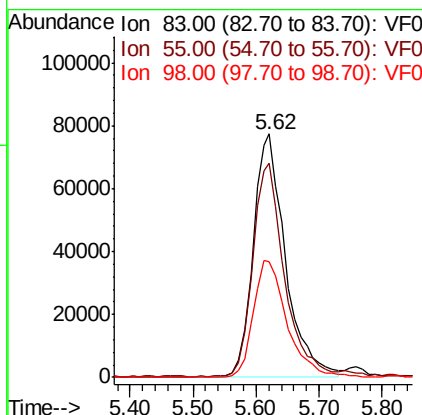
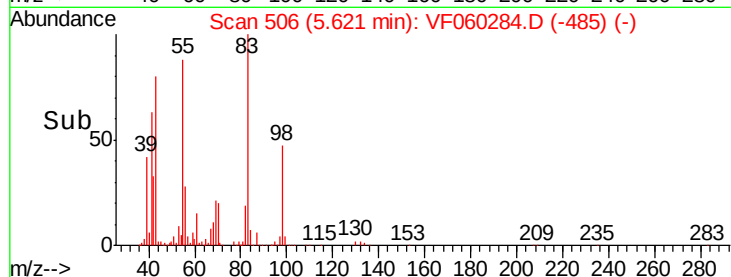
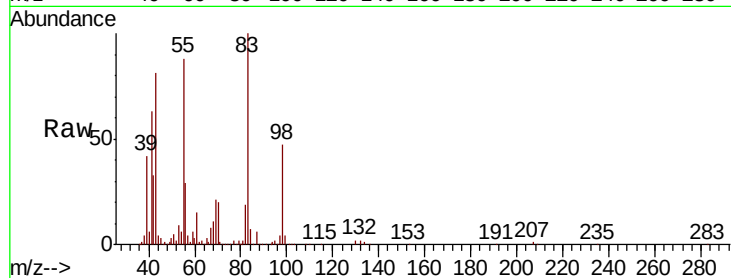
#39
Methylcyclohexane
Concen: 43.83 ug/l
RT: 5.62 min Scan# 506
Delta R.T. 0.00 min
Lab File: VF060284.D
Acq: 19 Sep 2018 17:12

Instrument :
MSVOA_F
ClientSampled :
ICVVF091918

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.9	67.3	100.9
98	47.4	36.1	54.1

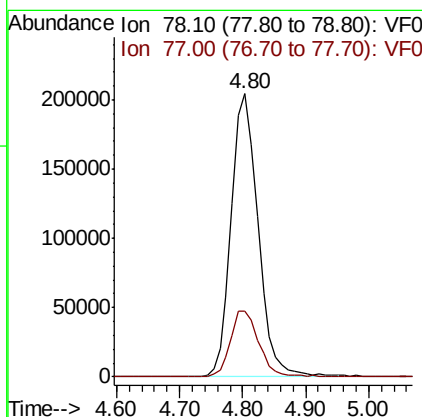
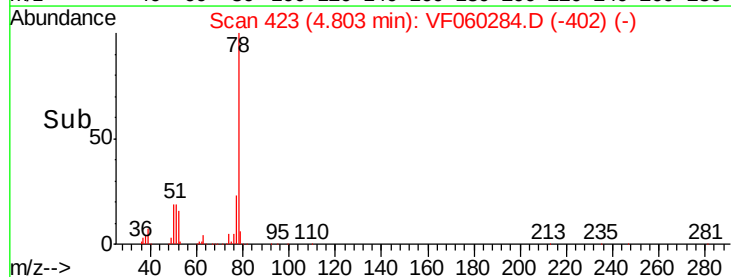
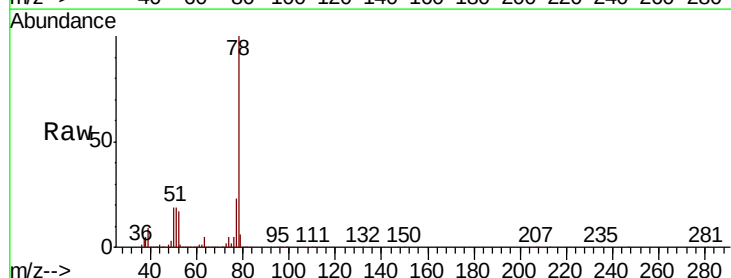
Manual Integrations
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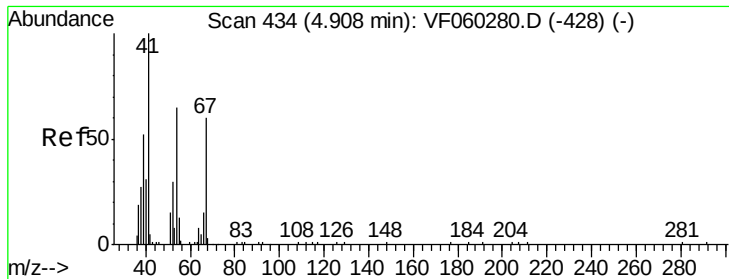
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#40
Benzene
Concen: 45.93 ug/l
RT: 4.80 min Scan# 423
Delta R.T. 0.00 min
Lab File: VF060284.D
Acq: 19 Sep 2018 17:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.4	27.6





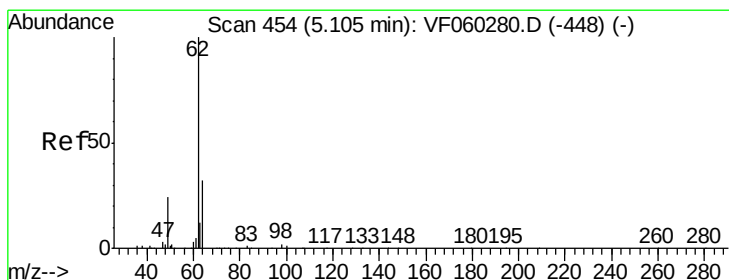
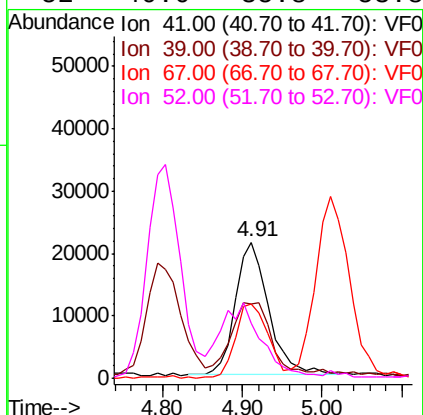
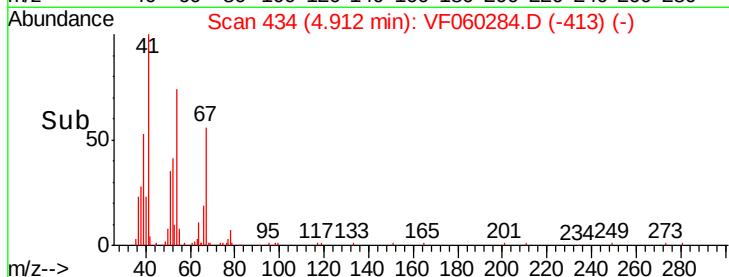
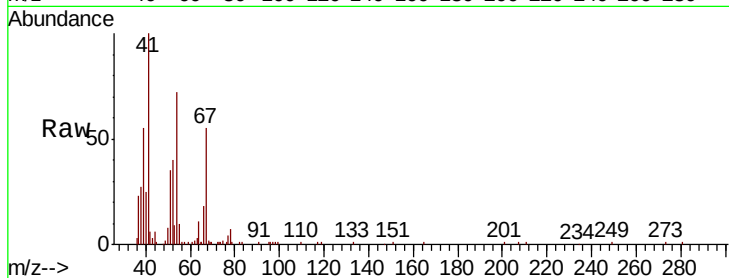
#41
Methacrylonitrile
Concen: 46.07 ug/l
RT: 4.91 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF060284.D
Acq: 19 Sep 2018 17:12

Instrument :
MSVOA_F
ClientSampleId :
ICVVF091918

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.0	49.1	73.7
67	54.7	48.2	72.4
52	40.0	35.8	53.8

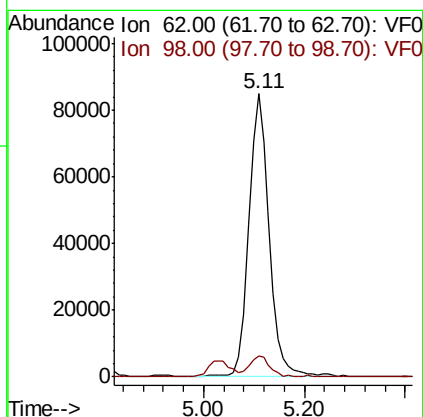
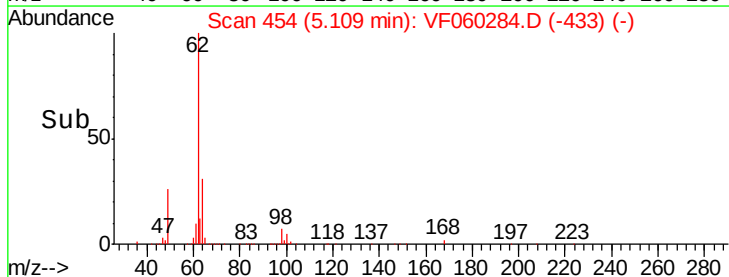
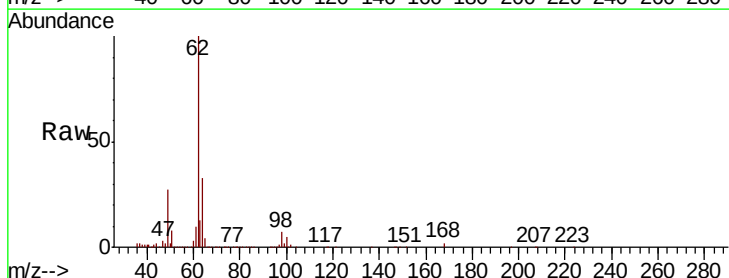
Manual Integrations
APPROVED

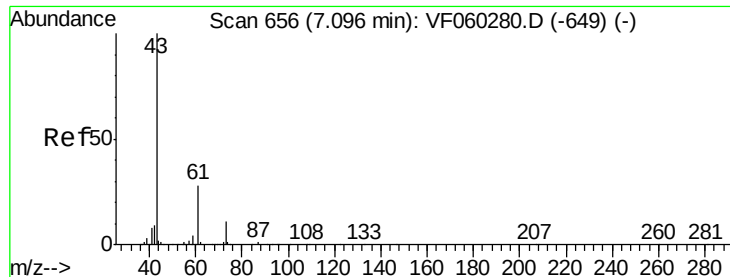
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#42
1,2-Dichloroethane
Concen: 49.48 ug/l
RT: 5.11 min Scan# 454
Delta R.T. 0.00 min
Lab File: VF060284.D
Acq: 19 Sep 2018 17:12

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.5	0.0	14.4





#43

Isopropyl Acetate

Concen: 51.16 ug/l

RT: 7.10 min Scan# 656

Delta R.T. 0.00 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

Instrument :

MSVOA_F

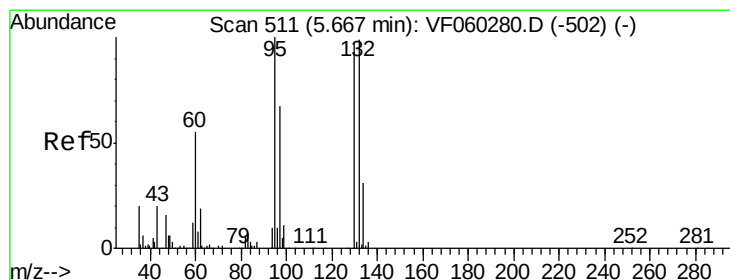
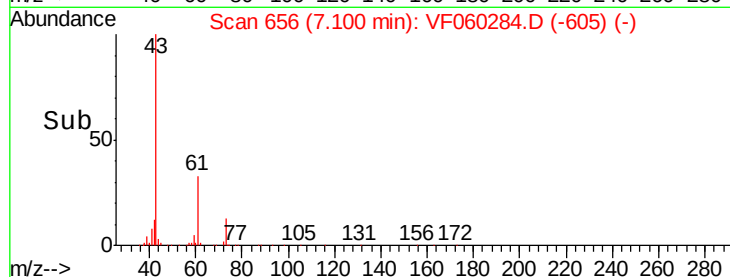
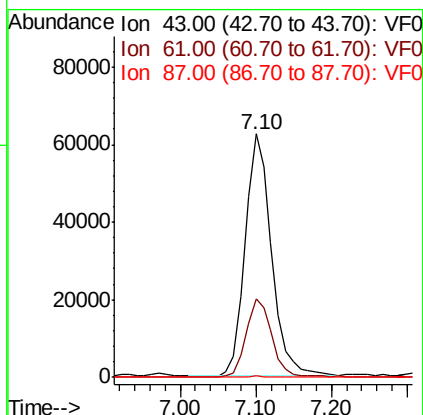
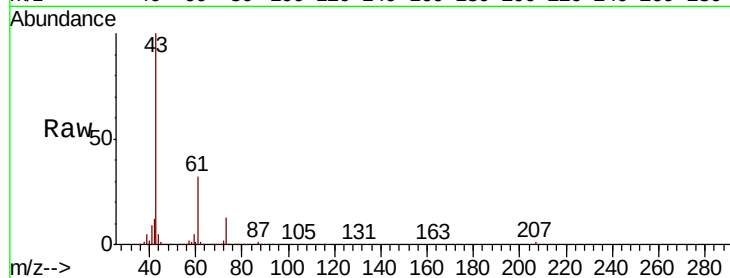
ClientSampleId :

ICVVF091918

Tot Ion:	43	Resp:	151295
Ion	Ratio	Lower	Upper
43	100		
61	32.2	22.4	33.6
87	0.6	0.6	0.8

Manual Integrations
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#44

Trichloroethene

Concen: 46.51 ug/l

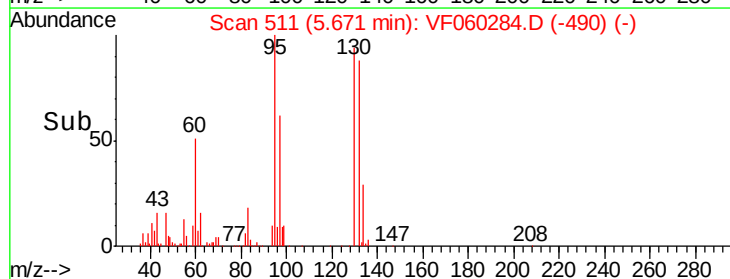
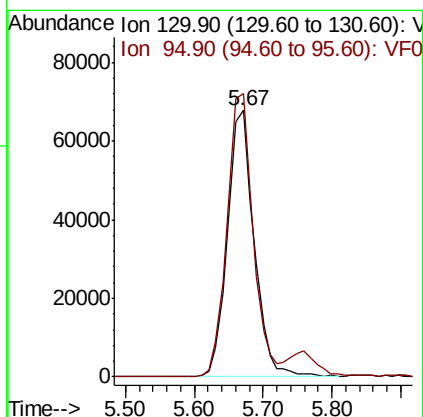
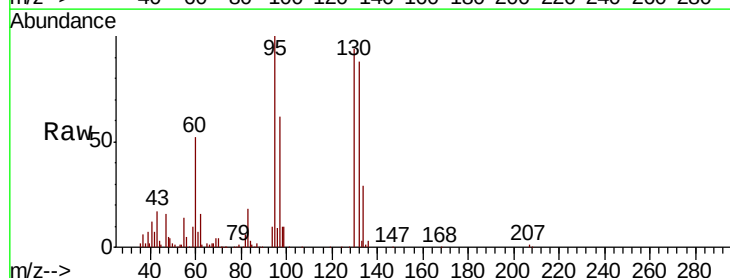
RT: 5.67 min Scan# 511

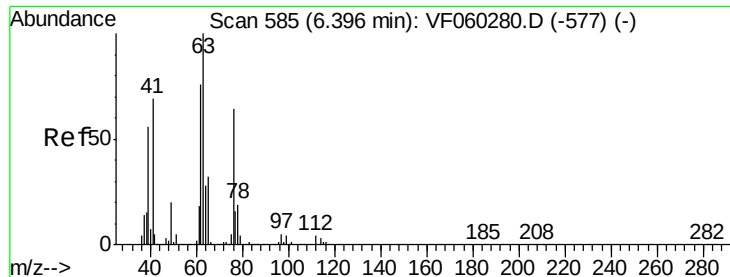
Delta R.T. 0.00 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

Tgt Ion:	130	Resp:	182185
Ion	Ratio	Lower	Upper
130	100		
95	106.1	0.0	205.6





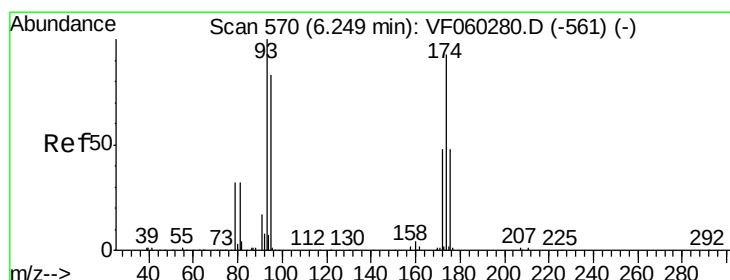
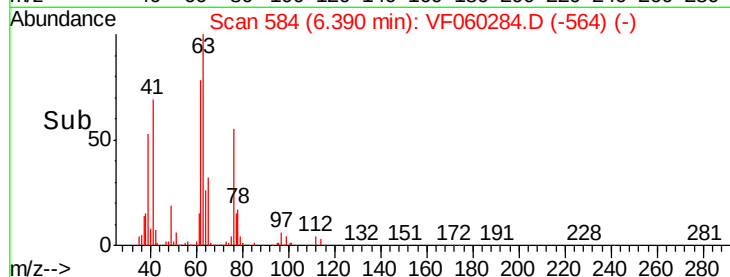
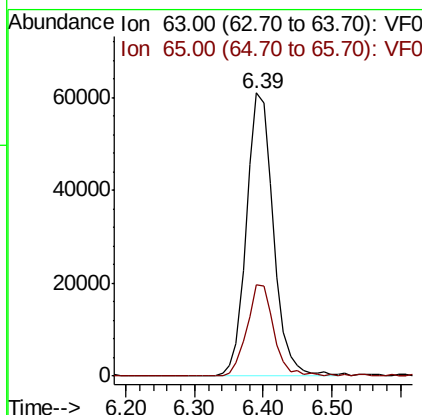
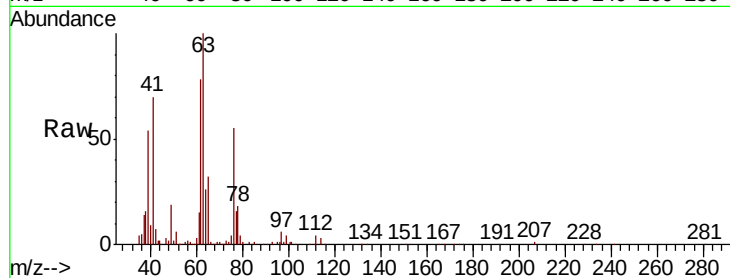
#45
 1,2-Dichloropropane
 Concen: 48.78 ug/l
 RT: 6.39 min Scan# 584
 Delta R.T. -0.01 min
 Lab File: VF060284.D
 Acq: 19 Sep 2018 17:12

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF091918

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.5	26.2	39.4

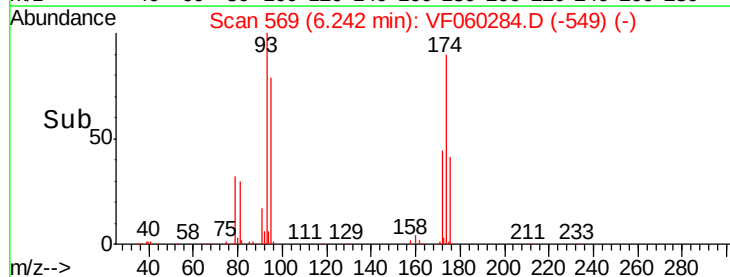
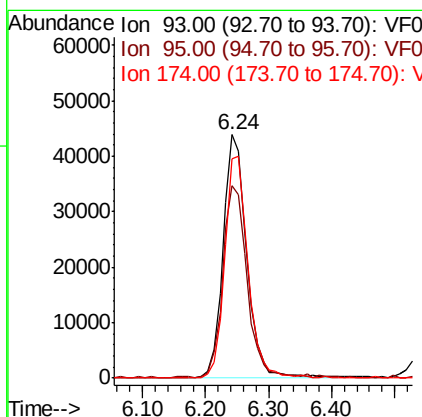
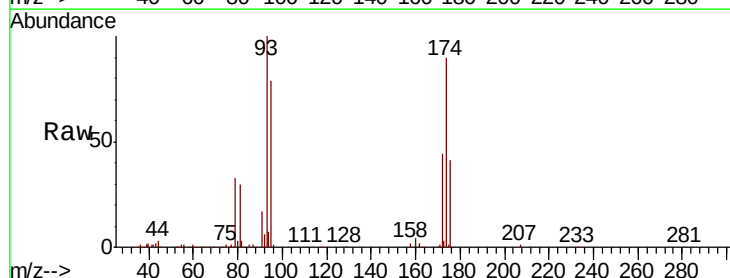
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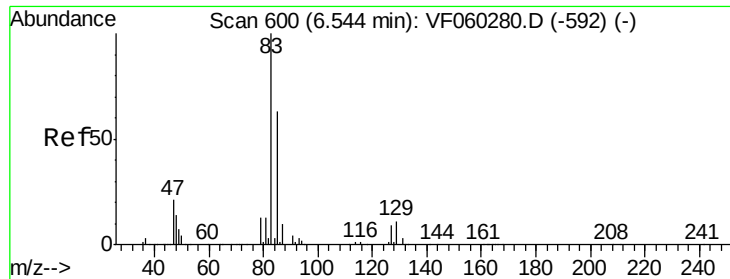
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#46
 Dibromomethane
 Concen: 46.95 ug/l
 RT: 6.24 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: VF060284.D
 Acq: 19 Sep 2018 17:12

Tgt Ion	Ratio	Lower	Upper
93	100		
95	79.0	67.0	100.6
174	91.2	74.8	112.2





#47

Bromodichloromethane

Concen: 48.58 ug/l

RT: 6.54 min Scan# 599

Delta R.T. -0.01 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

Instrument :

MSVOA_F

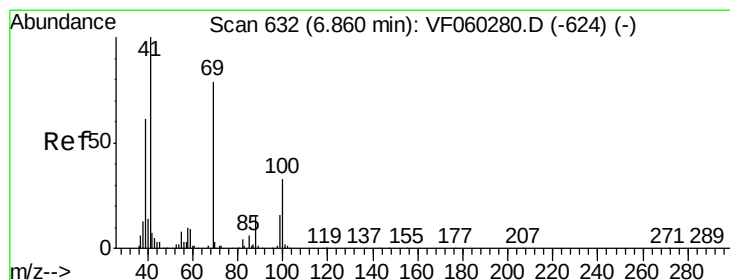
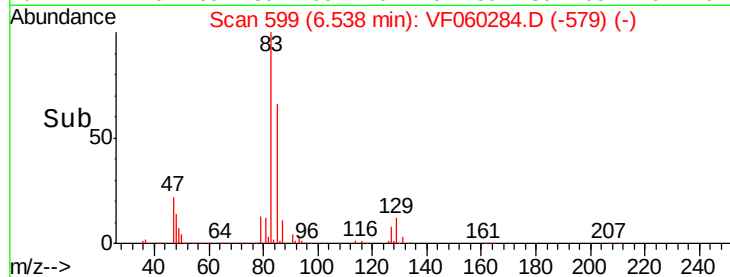
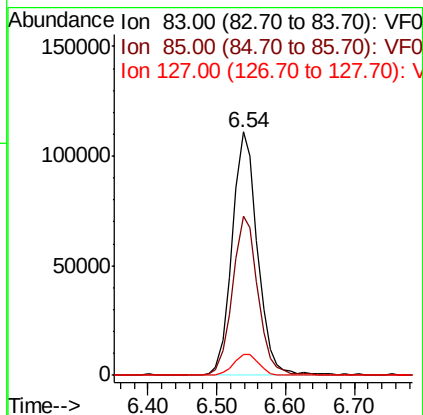
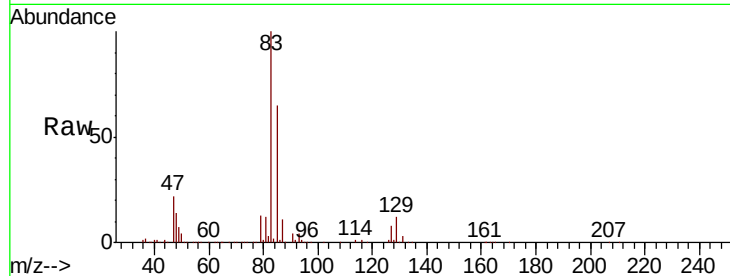
ClientSampleId :

ICVVF091918

Tot Ion:	83	Resp:	284303
Ion Ratio	Lower	Upper	
83	100		
85	65.4	50.6	76.0
127	8.5	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 45.41 ug/l

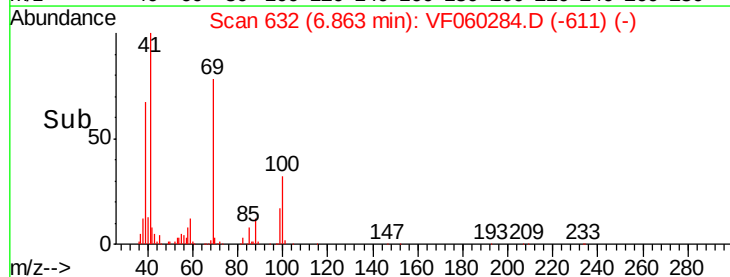
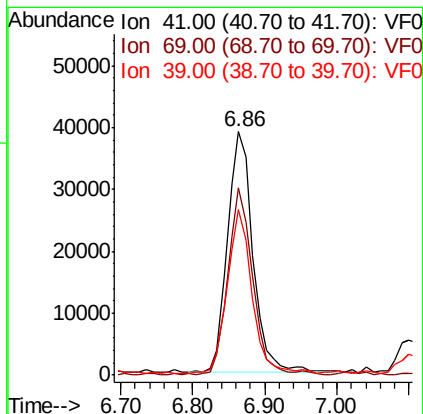
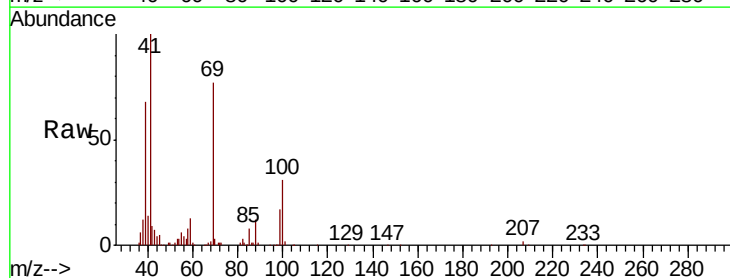
RT: 6.86 min Scan# 632

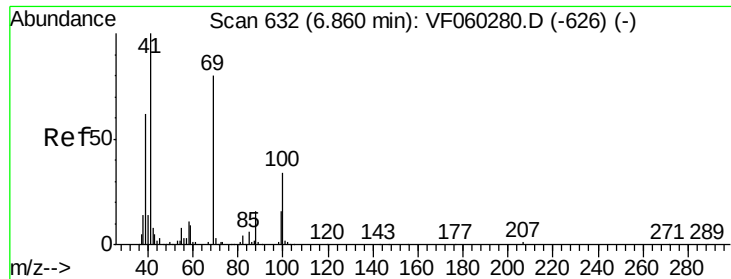
Delta R.T. 0.00 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

Tgt Ion:	41	Resp:	94252
Ion Ratio	Lower	Upper	
41	100		
69	77.0	62.6	94.0
39	68.1	49.1	73.7





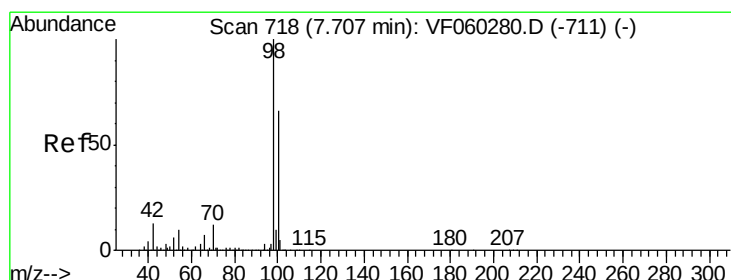
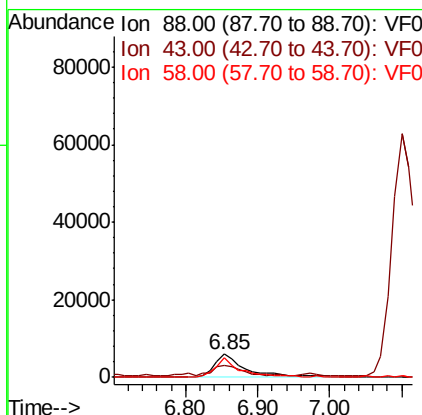
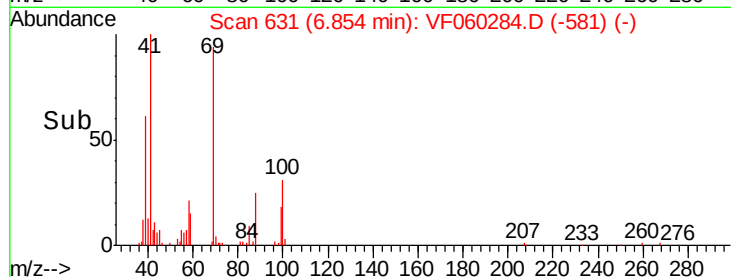
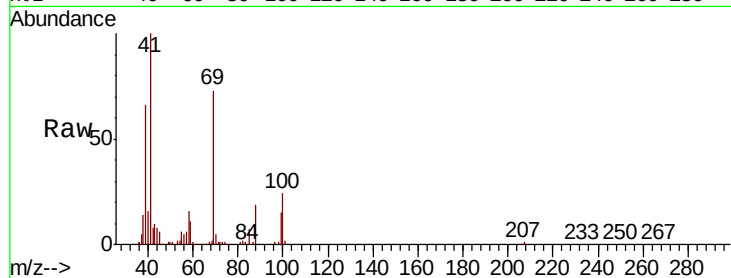
#49
1,4-Dioxane
Concen: 957.50 ug/l
RT: 6.85 min Scan# 631
Delta R.T. -0.01 min
Lab File: VF060284.D
Acq: 19 Sep 2018 17:12

Instrument :
MSVOA_F
ClientSampleId :
ICVVF091918

Tot Ion	Ratio	Lower	Upper
88	100		
43	51.9	40.2	60.4
58	85.1	56.7	85.1

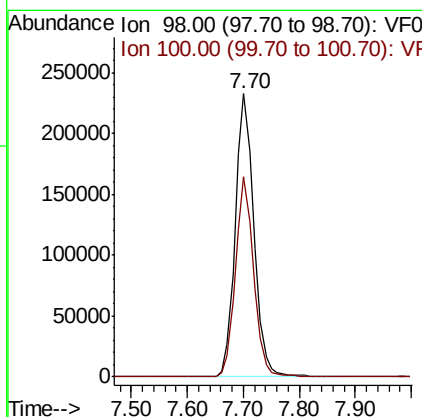
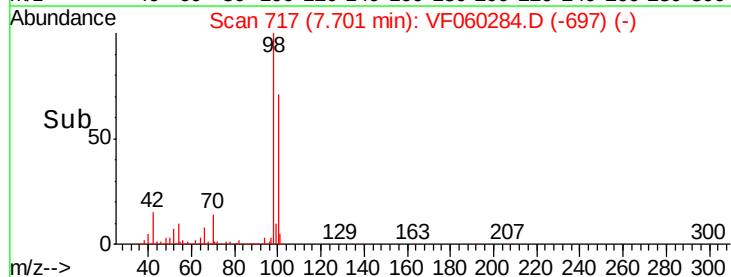
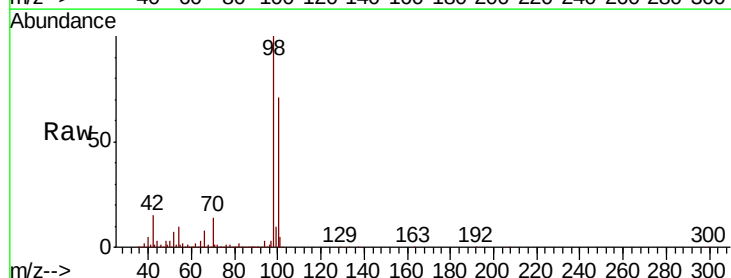
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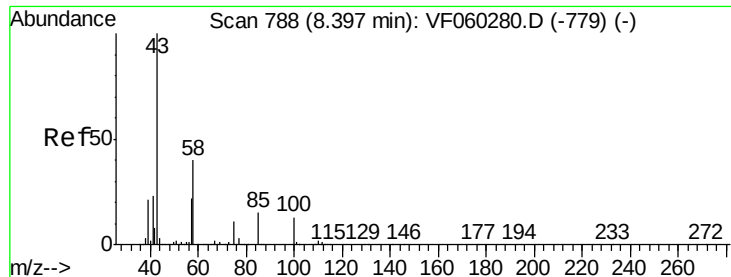
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#50
Toluene-d8
Concen: 49.81 ug/l
RT: 7.70 min Scan# 717
Delta R.T. -0.01 min
Lab File: VF060284.D
Acq: 19 Sep 2018 17:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.7	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 300.25 ug/l

RT: 8.40 min Scan# 788

Delta R.T. 0.00 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

Instrument :

MSVOA_F

ClientSampleId :

ICVVF091918

Tot Ion: 43 Resp: 684311

Ion Ratio Lower Upper

43 100

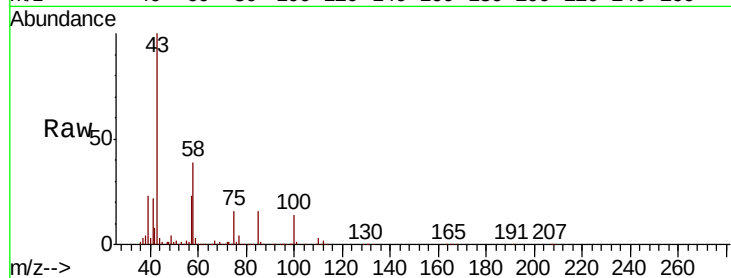
58 39.3 31.8 47.8

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.40

250000

200000

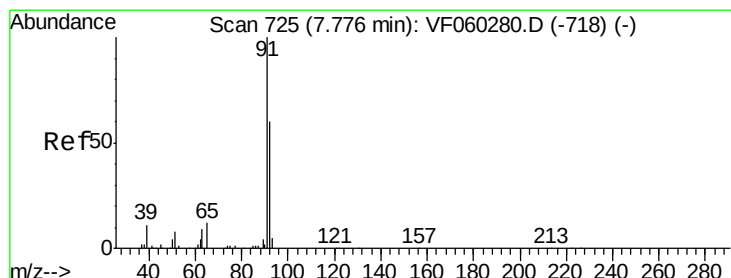
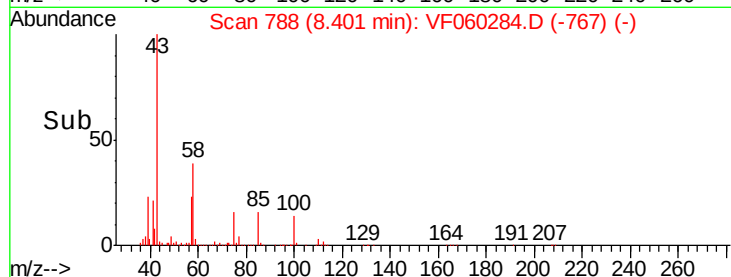
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 49.39 ug/l

RT: 7.77 min Scan# 724

Delta R.T. -0.01 min

Lab File: VF060284.D

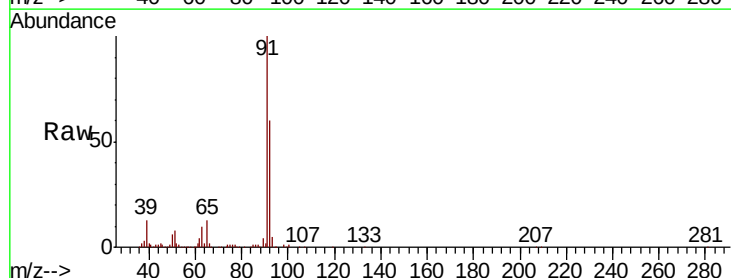
Acq: 19 Sep 2018 17:12

Tgt Ion: 92 Resp: 411282

Ion Ratio Lower Upper

92 100

91 165.7 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.77

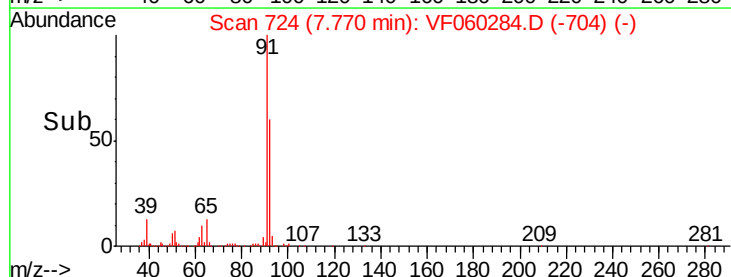
300000

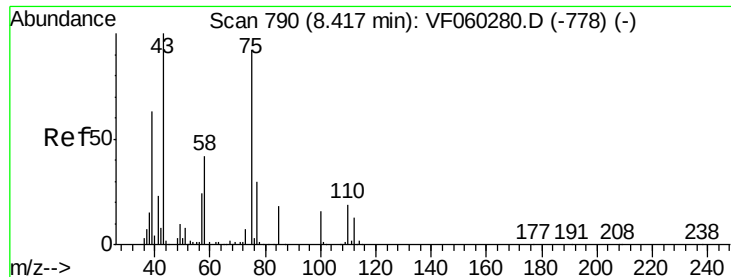
200000

100000

0

Time-->





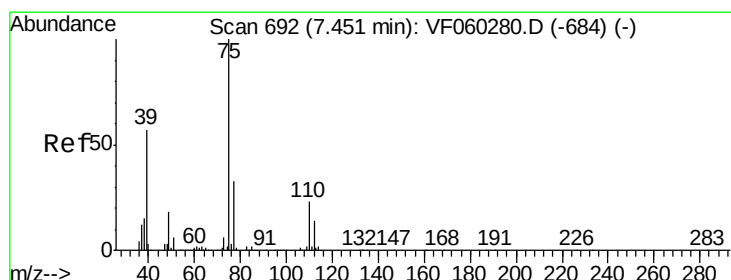
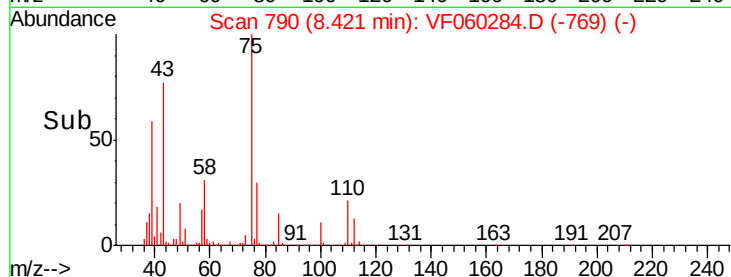
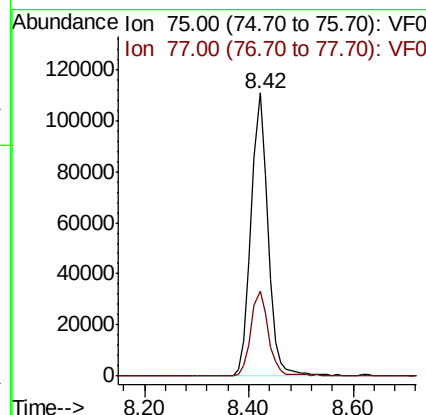
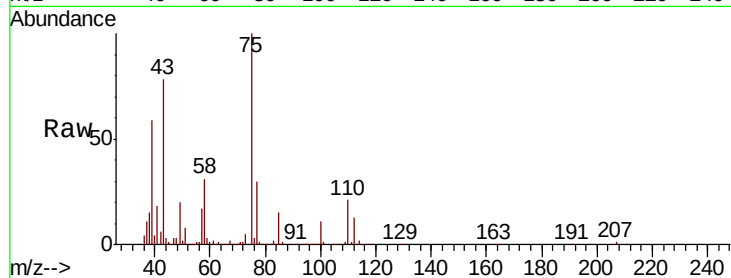
#53
t-1,3-Dichloropropene
Concen: 51.17 ug/l
RT: 8.42 min Scan# 790
Delta R.T. 0.00 min
Lab File: VF060284.D
Acq: 19 Sep 2018 17:12

Instrument :
MSVOA_F
ClientSampleId :
ICVVF091918

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.0	25.9	38.9

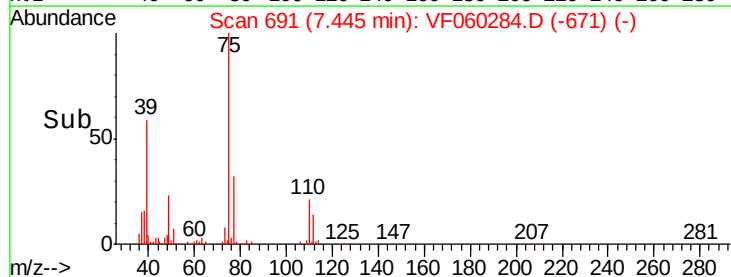
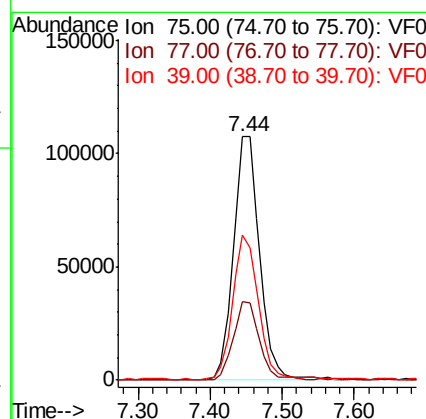
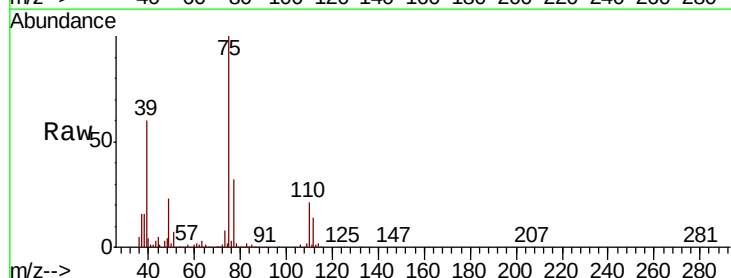
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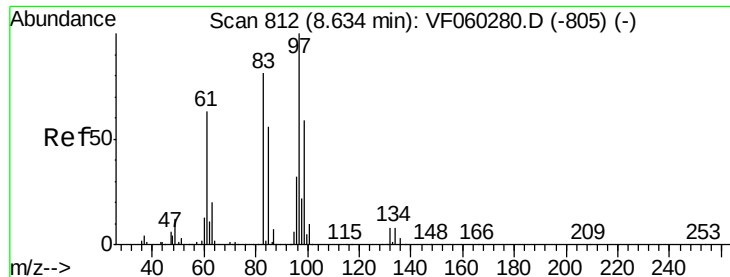
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#54
cis-1,3-Dichloropropene
Concen: 45.83 ug/l
RT: 7.44 min Scan# 691
Delta R.T. -0.01 min
Lab File: VF060284.D
Acq: 19 Sep 2018 17:12

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	26.3	39.5
39	59.7	46.1	69.1





#55

1,1,2-Trichloroethane

Concen: 49.32 ug/l

RT: 8.63 min Scan# 811

Delta R.T. -0.01 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

Instrument :

MSVOA_F

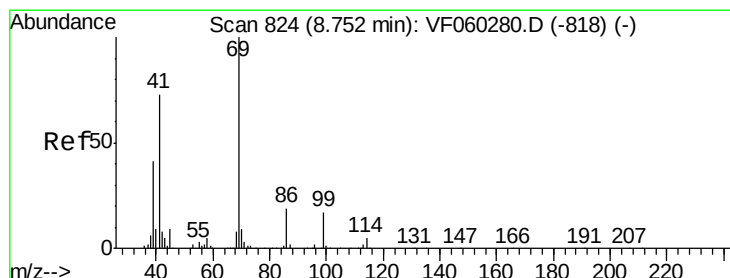
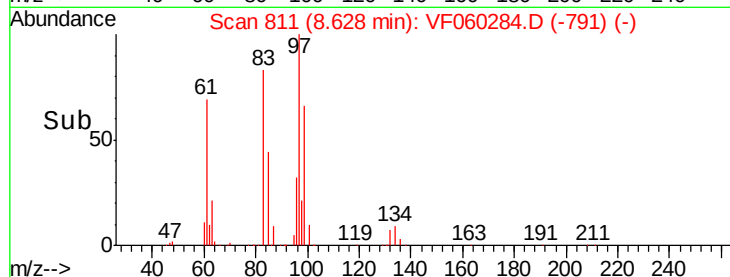
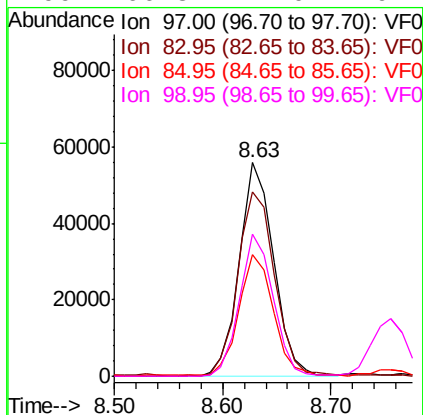
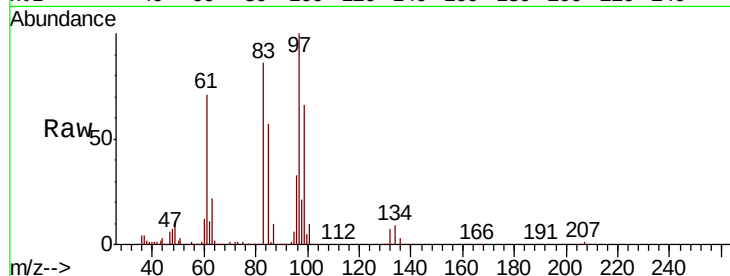
ClientSampleId :

ICVVF091918

Tot Ion:	97	Resp:	124664
Ion	Ratio	Lower	Upper
97	100		
83	86.3	65.3	97.9
85	56.8	44.7	67.1
99	66.3	47.0	70.4

Manual Integrations
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#56

Ethyl methacrylate

Concen: 53.39 ug/l

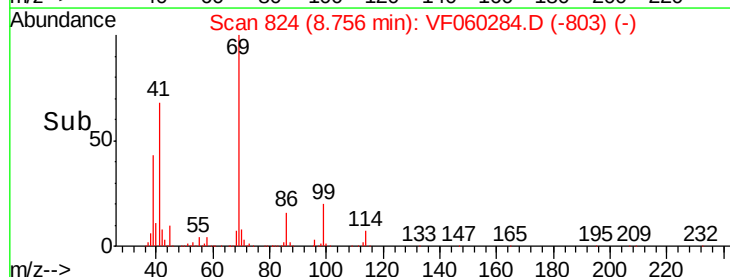
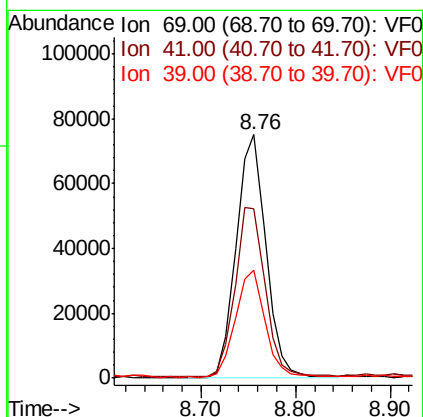
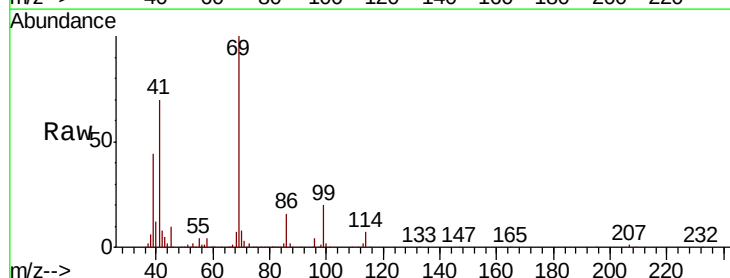
RT: 8.76 min Scan# 824

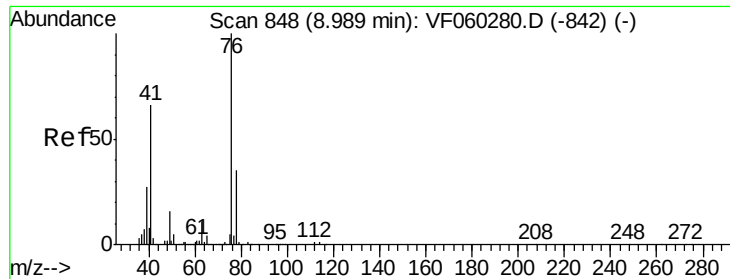
Delta R.T. 0.00 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

Tgt Ion:	69	Resp:	162976
Ion	Ratio	Lower	Upper
69	100		
41	69.6	59.4	89.2
39	44.2	33.5	50.3





#57

1,3-Dichloropropane

Concen: 50.96 ug/l

RT: 8.99 min Scan# 848

Delta R.T. 0.00 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

Instrument :

MSVOA_F

ClientSampleId :

ICVVF091918

Tot Ion: 76 Resp: 213273

Ion Ratio Lower Upper

76 100

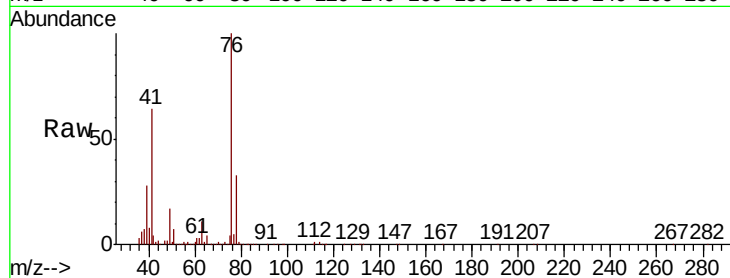
78 32.8 28.2 42.2

Manual Integrations

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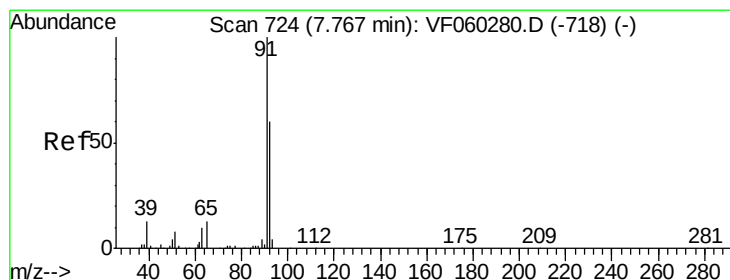
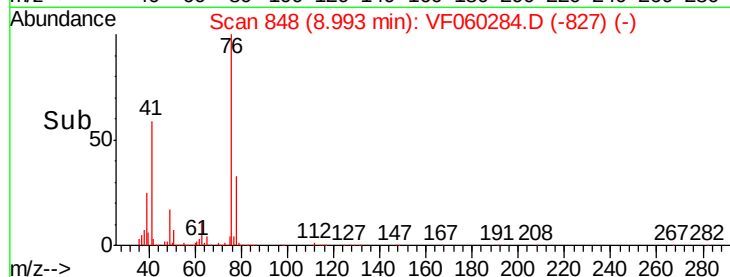
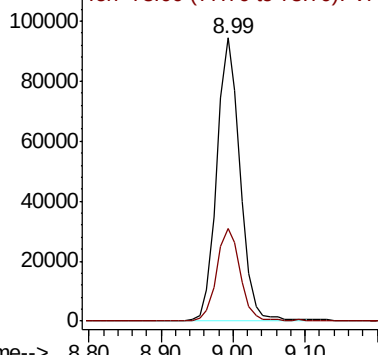
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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 235.56 ug/l

RT: 7.77 min Scan# 724

Delta R.T. 0.00 min

Lab File: VF060284.D

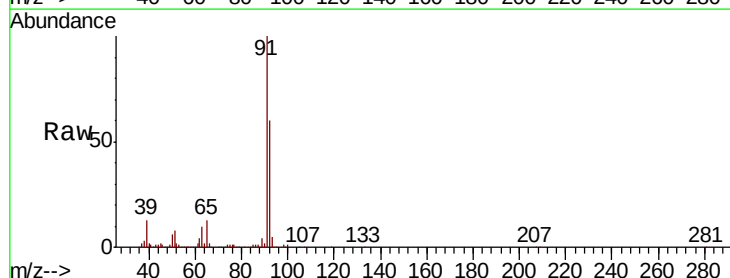
Acq: 19 Sep 2018 17:12

Tgt Ion: 63 Resp: 63565

Ion Ratio Lower Upper

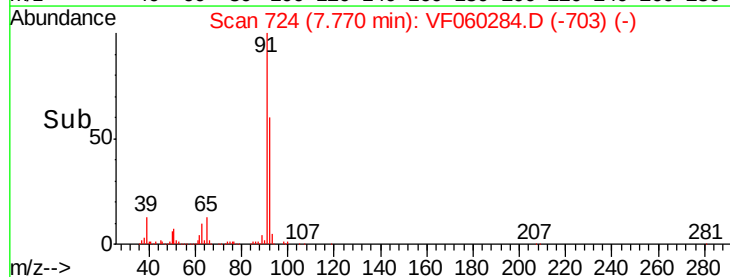
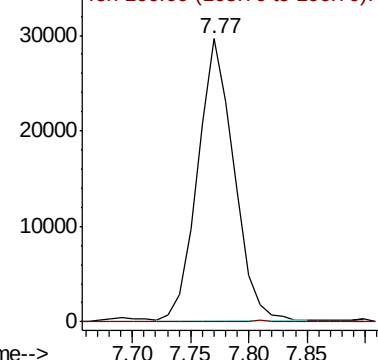
63 100

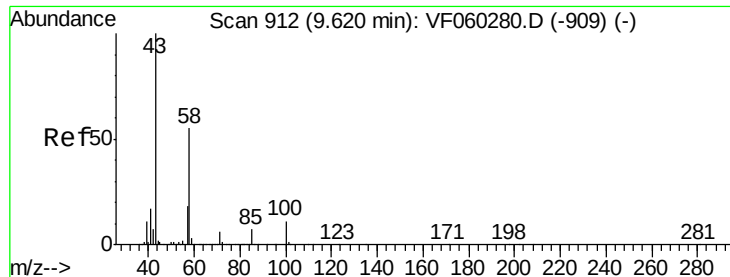
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





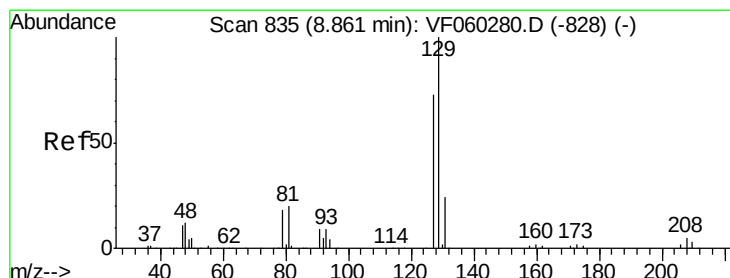
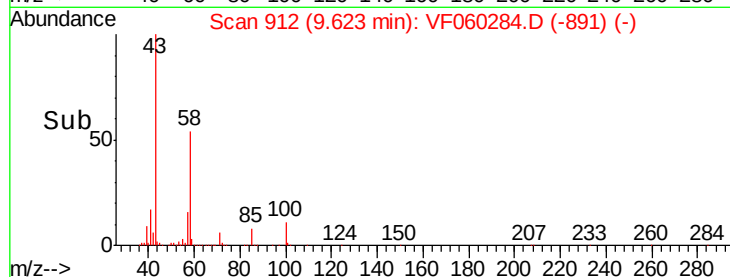
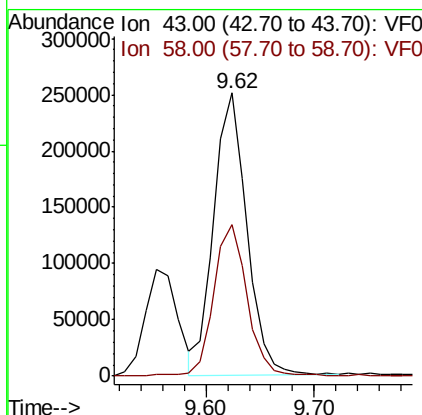
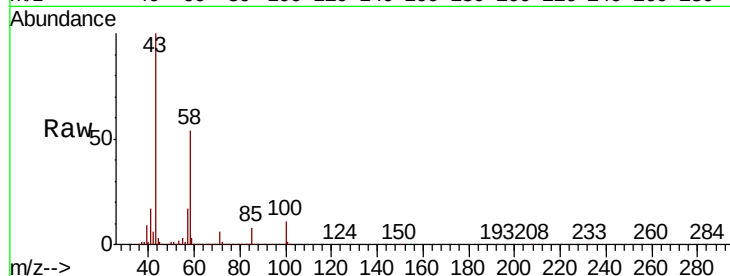
#59
2-Hexanone
Concen: 325.57 ug/l
RT: 9.62 min Scan# 912
Delta R.T. 0.00 min
Lab File: VF060284.D
Acq: 19 Sep 2018 17:12

Instrument :
MSVOA_F
ClientSampleId :
ICVVF091918

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.6	25.9	77.6

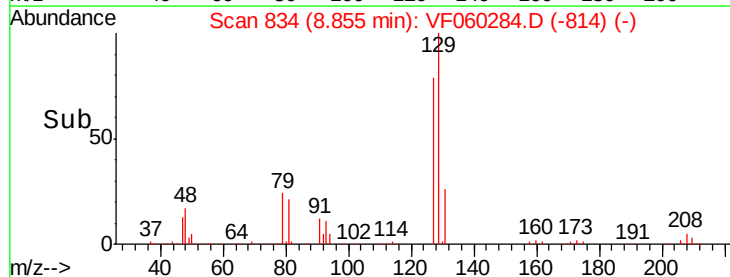
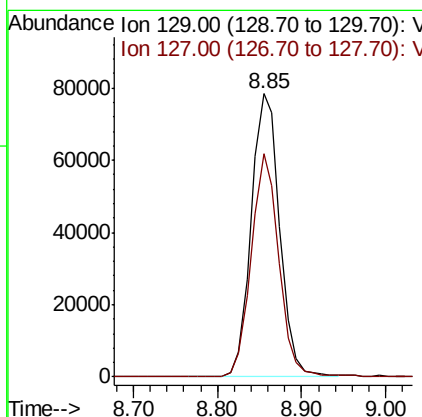
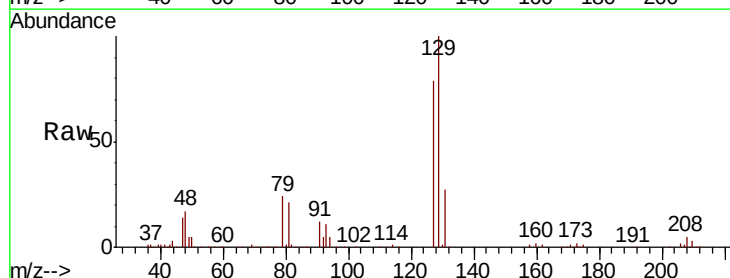
Manual Integrations
APPROVED

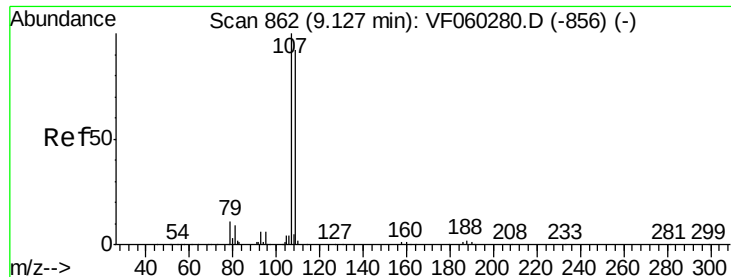
apatel
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#60
Dibromochloromethane
Concen: 49.44 ug/l
RT: 8.85 min Scan# 834
Delta R.T. -0.01 min
Lab File: VF060284.D
Acq: 19 Sep 2018 17:12

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.9	36.6	109.8





#61

1,2-Dibromoethane

Concen: 50.32 ug/l

RT: 9.13 min Scan# 862

Delta R.T. 0.00 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

Instrument :

MSVOA_F

ClientSampleId :

ICVVF091918

Tot Ion: 107 Resp: 141617

Ion Ratio Lower Upper

107 100

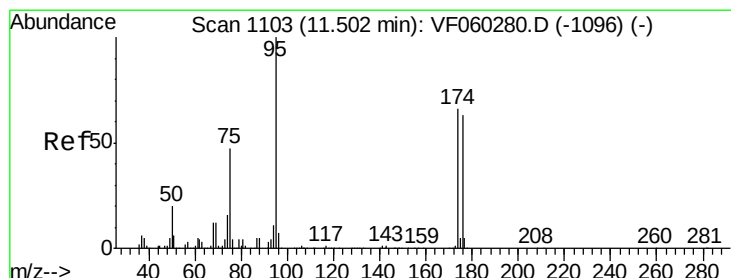
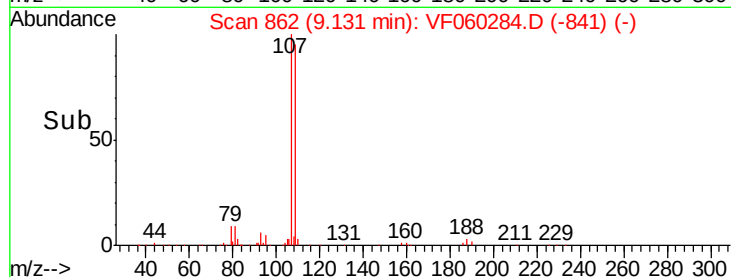
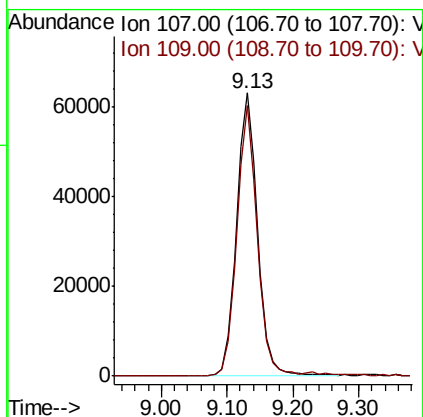
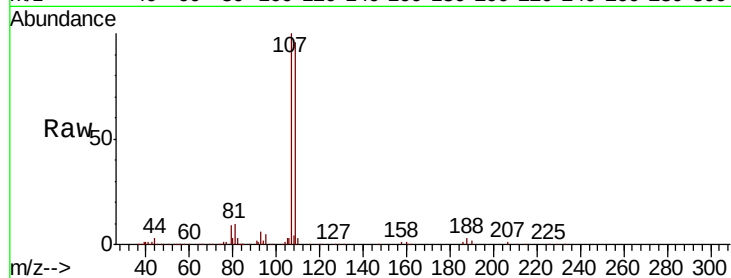
109 95.5 73.2 109.8

Manual Integrations

APPROVED

apatel

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#62

4-Bromofluorobenzene

Concen: 48.69 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

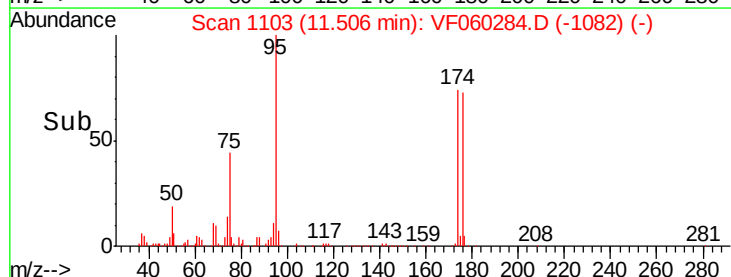
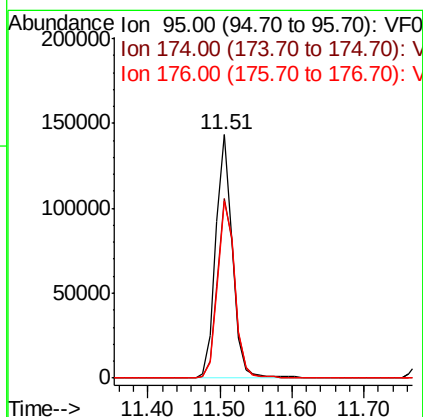
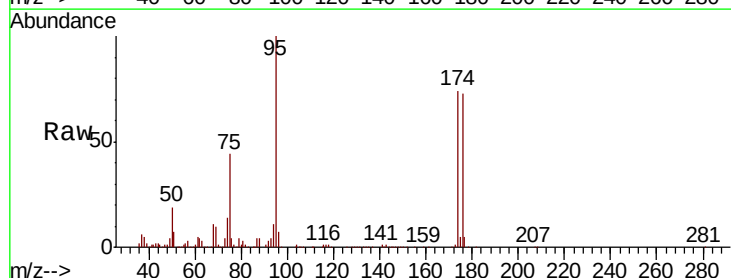
Tgt Ion: 95 Resp: 227411

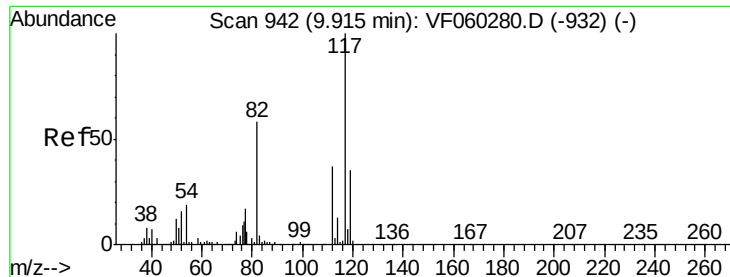
Ion Ratio Lower Upper

95 100

174 73.5 0.0 131.2

176 72.6 0.0 126.6





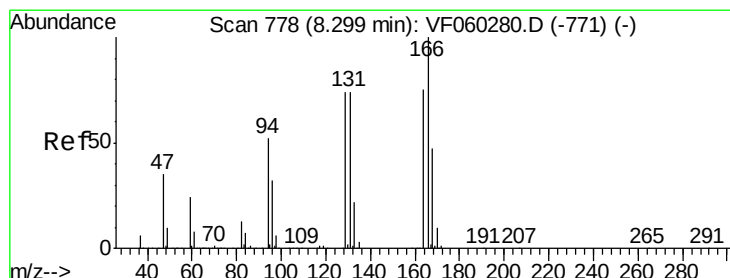
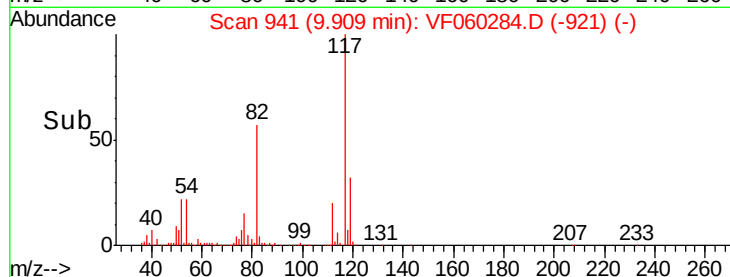
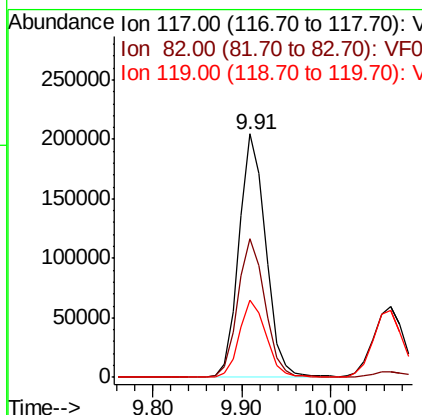
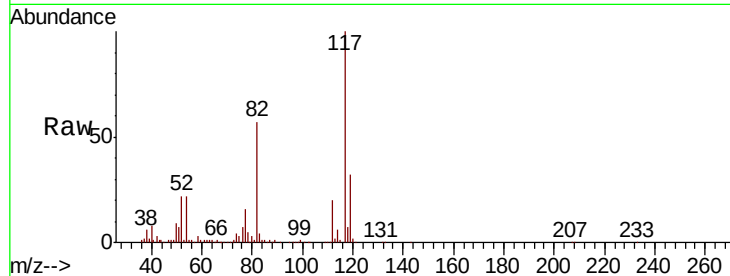
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF060284.D
Acq: 19 Sep 2018 17:12

Instrument :
MSVOA_F
ClientSampleId :
ICVVF091918

Tot Ion	Ratio	Resp	Lower	Upper
117	100	428862		
82	57.0		46.2	69.2
119	31.5		27.8	41.6

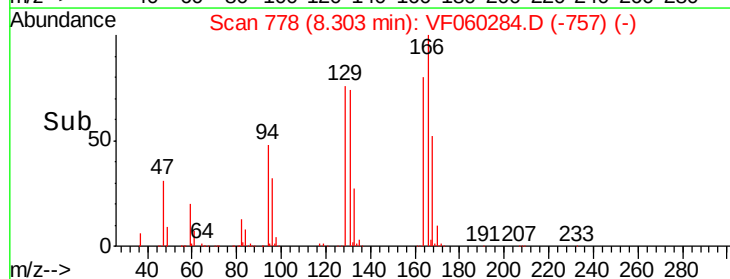
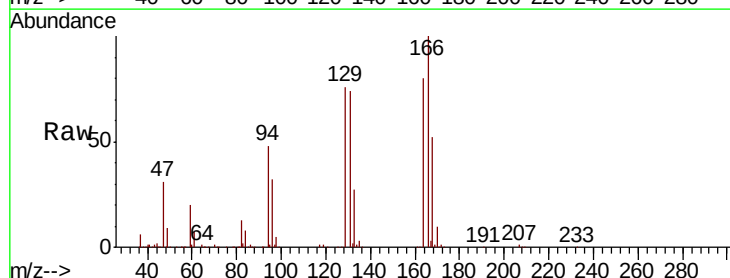
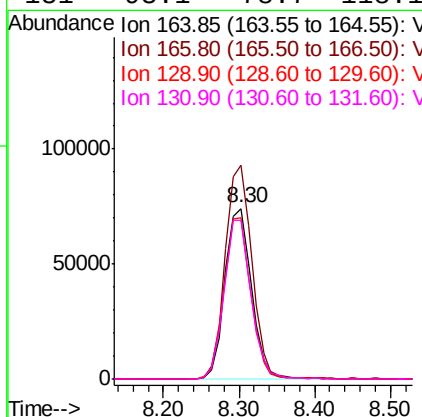
Manual Integrations
APPROVED

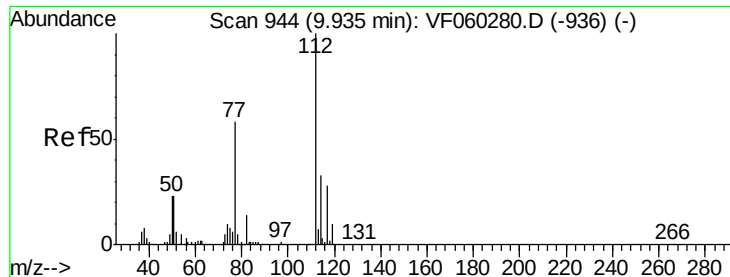
apatel
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#64
Tetrachloroethene
Concen: 46.20 ug/l
RT: 8.30 min Scan# 778
Delta R.T. 0.00 min
Lab File: VF060284.D
Acq: 19 Sep 2018 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	179613		
166	125.4		106.8	160.2
129	94.9		78.8	118.2
131	93.1		78.7	118.1





#65

Chlorobenzene

Concen: 45.52 ug/l

RT: 9.93 min Scan# 943

Delta R.T. -0.01 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

Instrument :

MSVOA_F

ClientSampleId :

ICVVF091918

Tot Ion:112 Resp: 442406

Ion Ratio Lower Upper

112 100

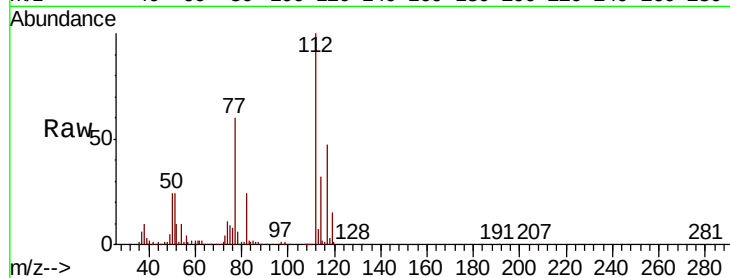
114 32.4 26.6 40.0

Manual Integrations

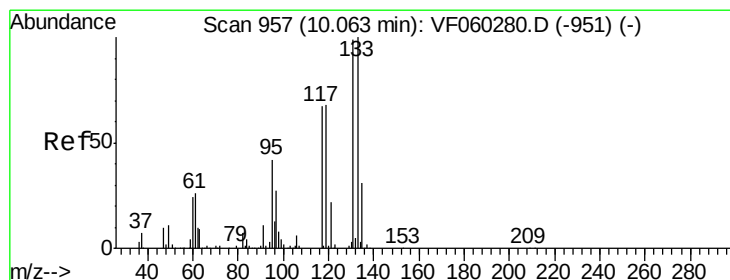
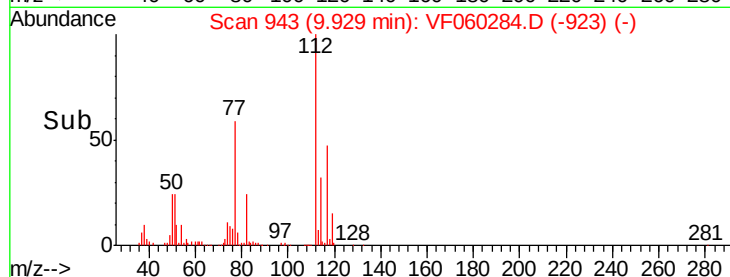
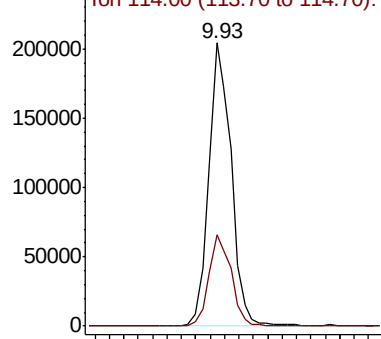
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Abundance Ion 112.00 (111.70 to 112.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 47.07 ug/l

RT: 10.07 min Scan# 957

Delta R.T. 0.00 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

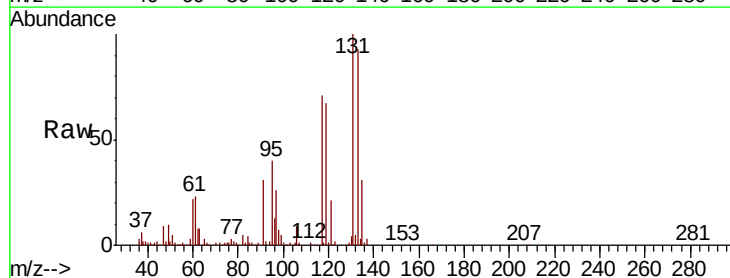
Tgt Ion:131 Resp: 189848

Ion Ratio Lower Upper

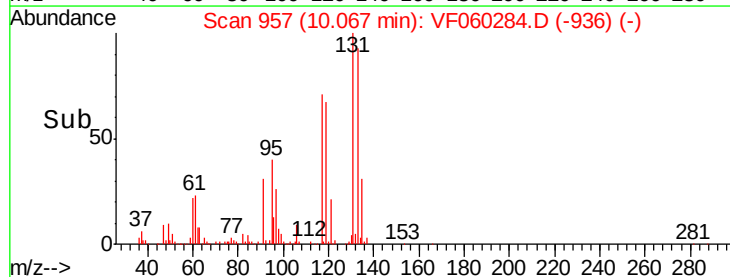
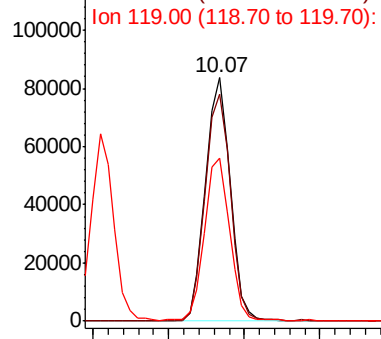
131 100

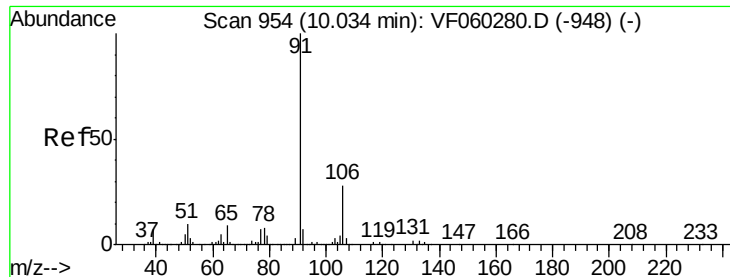
133 93.4 50.4 151.2

119 66.8 34.8 104.3



Abundance Ion 131.00 (130.70 to 131.70): V





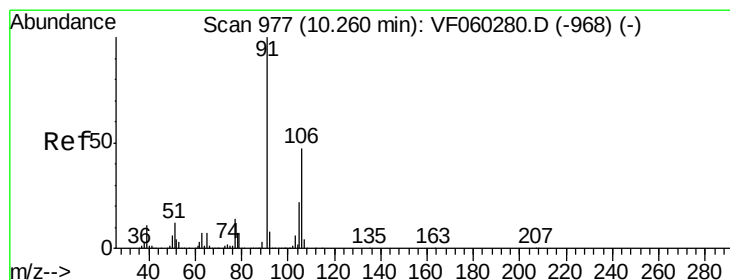
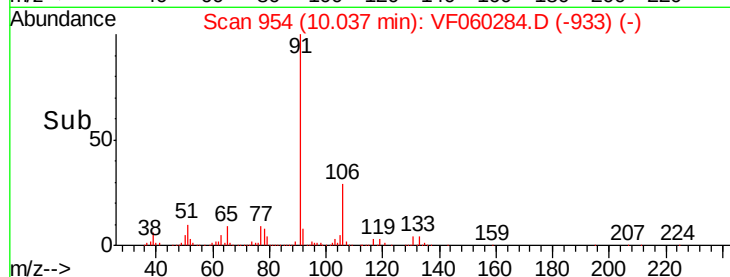
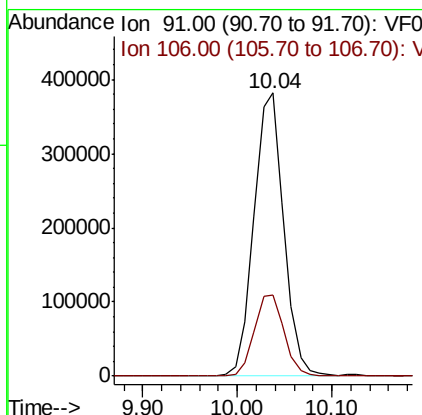
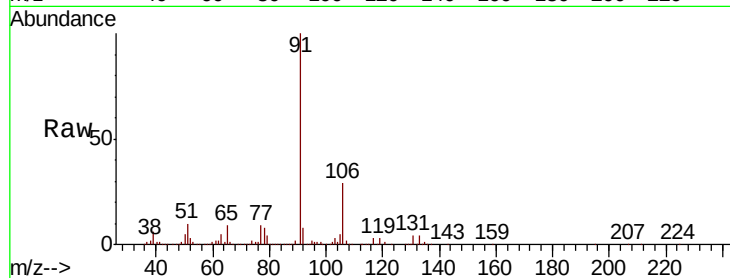
#67
Ethyl Benzene
Concen: 46.68 ug/l
RT: 10.04 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF060284.D
Acq: 19 Sep 2018 17:12

Instrument :
MSVOA_F
ClientSampleId :
ICVVF091918

Tot Ion: 91 Resp: 838993
Ion Ratio Lower Upper
91 100
106 28.8 22.7 34.1

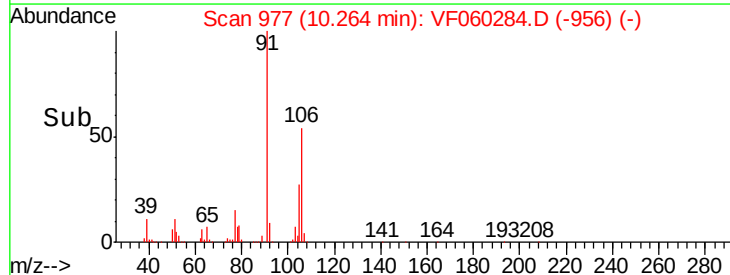
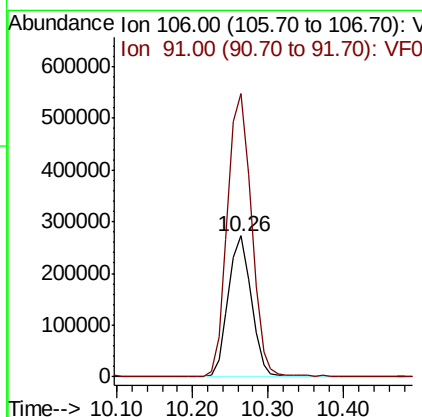
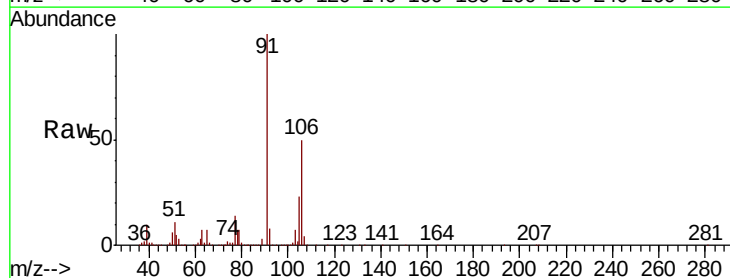
Manual Integrations
APPROVED

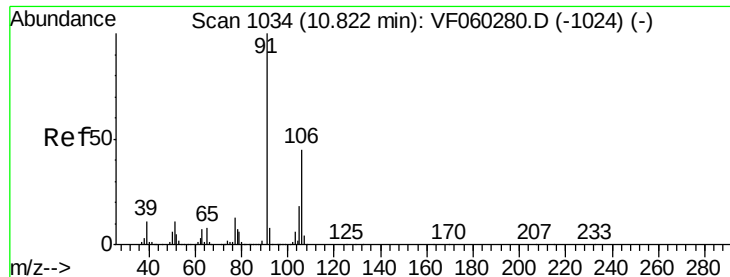
apatel
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#68
m/p-Xylenes
Concen: 92.86 ug/l
RT: 10.26 min Scan# 977
Delta R.T. 0.00 min
Lab File: VF060284.D
Acq: 19 Sep 2018 17:12

Tgt Ion: 106 Resp: 576573
Ion Ratio Lower Upper
106 100
91 200.9 172.3 258.5





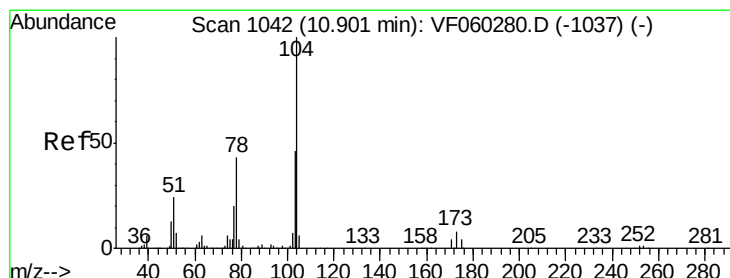
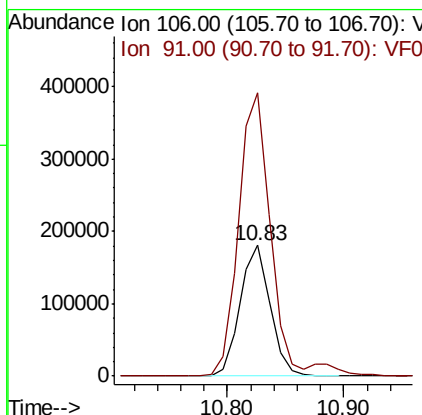
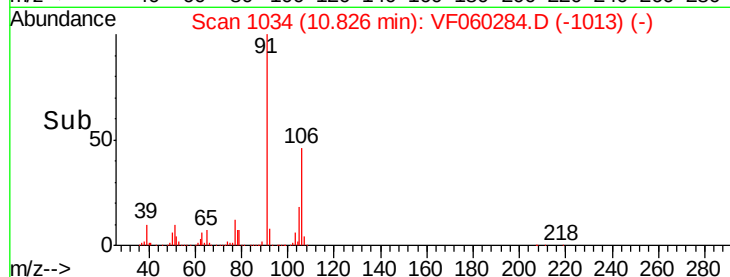
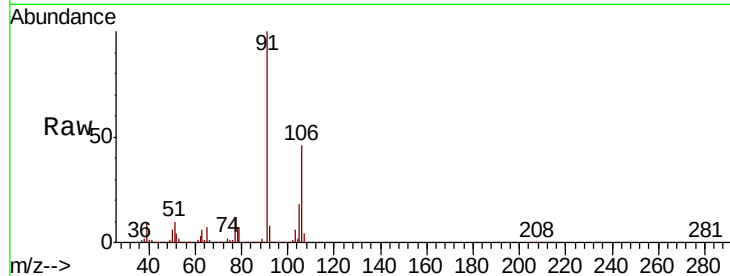
#69
o-Xylene
Concen: 46.74 ug/l
RT: 10.83 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VF060284.D
Acq: 19 Sep 2018 17:12

Instrument :
MSVOA_F
ClientSampleId :
ICVVF091918

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	216.2	110.9	332.6	

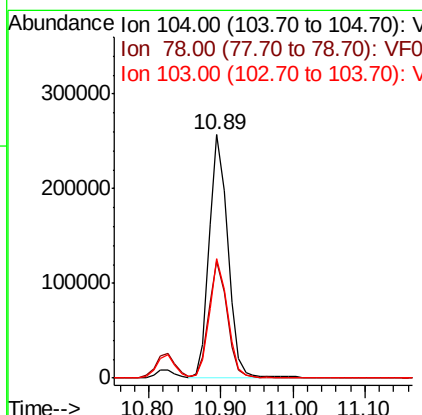
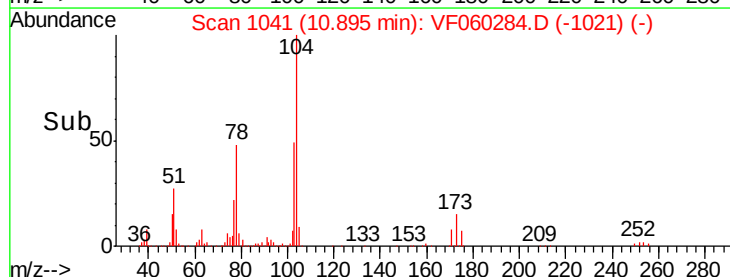
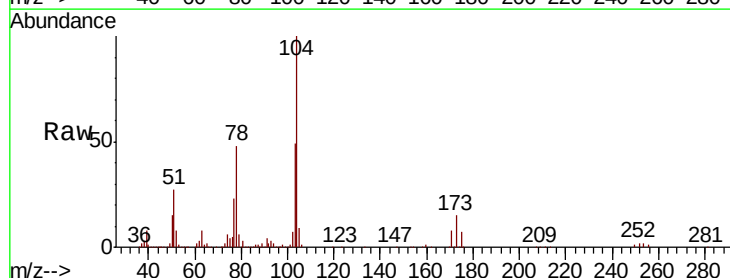
Manual Integrations
APPROVED

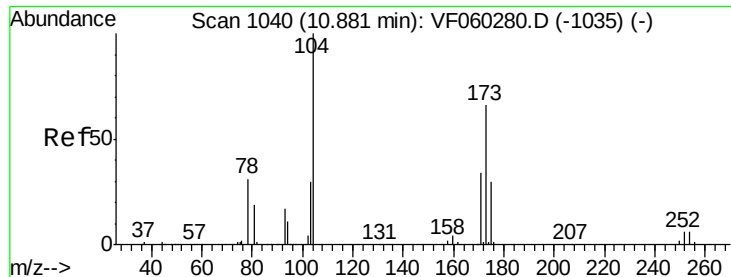
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#70
Styrene
Concen: 46.87 ug/l
RT: 10.89 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VF060284.D
Acq: 19 Sep 2018 17:12

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	47.9	35.0	52.6	
103	49.1	37.4	56.0	





#71

Bromoform

Concen: 47.51 ug/l

RT: 10.89 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

Instrument :

MSVOA_F

ClientSampleId :

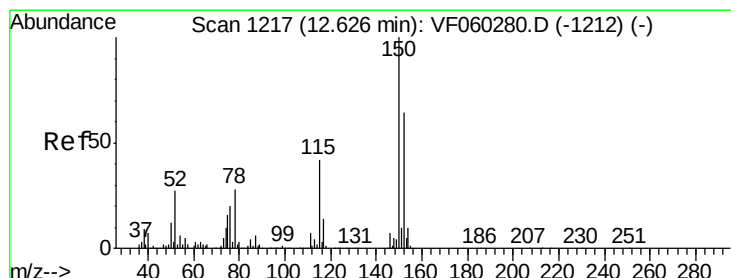
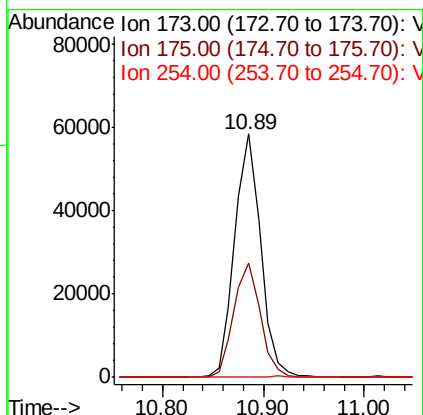
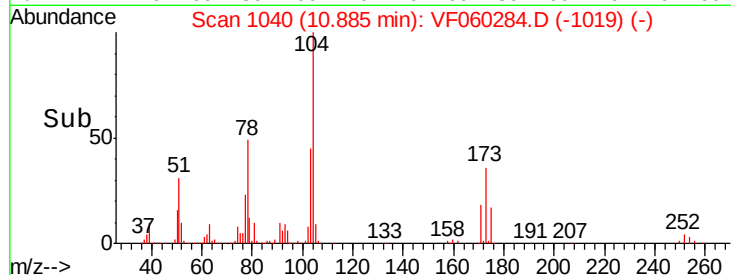
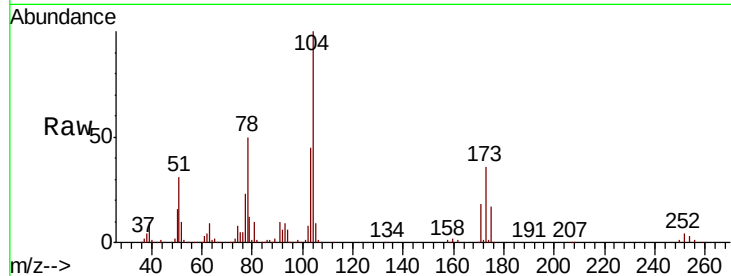
ICVVF091918

Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100				
175	47.2	22.3	66.9		
254	0.0	0.0	0.0		

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

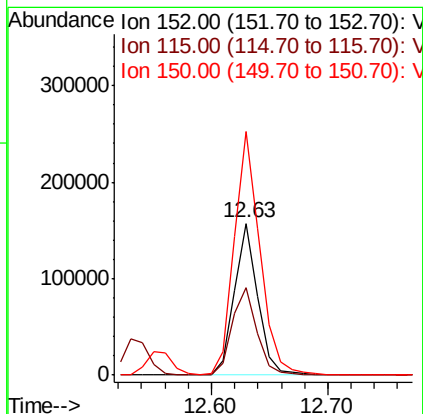
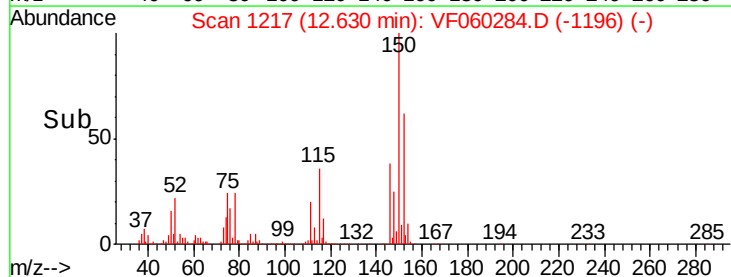
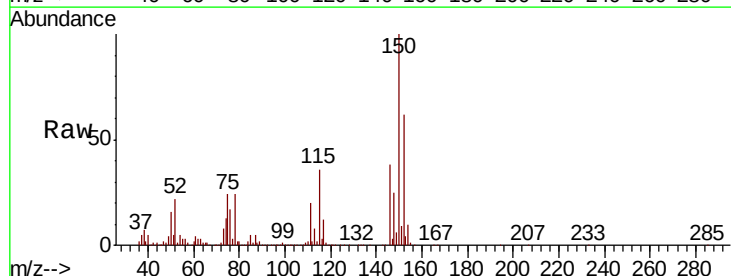
RT: 12.63 min Scan# 1217

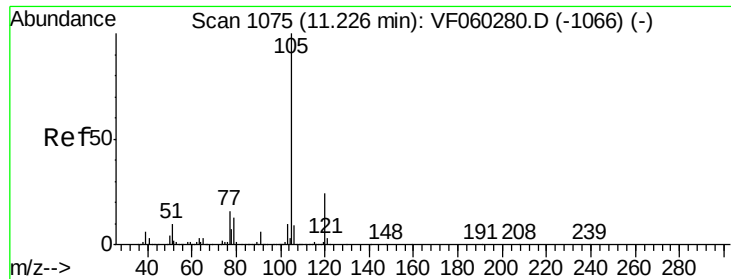
Delta R.T. 0.00 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100				
115	58.0	32.6	97.8		
150	160.7	0.0	314.2		





#73

Isopropylbenzene

Concen: 46.60 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

Instrument :

MSVOA_F

ClientSampleId :

ICVVF091918

Tot Ion:105 Resp: 918888

Ion Ratio Lower Upper

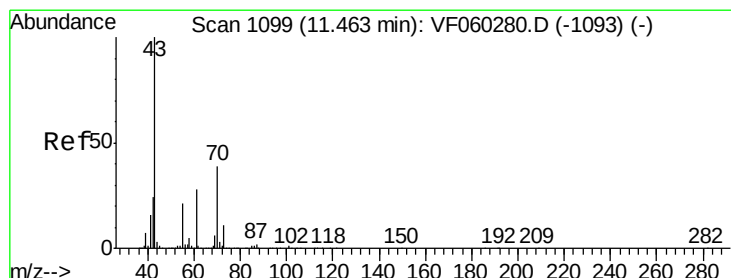
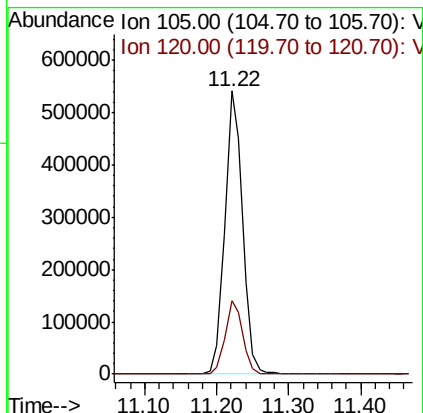
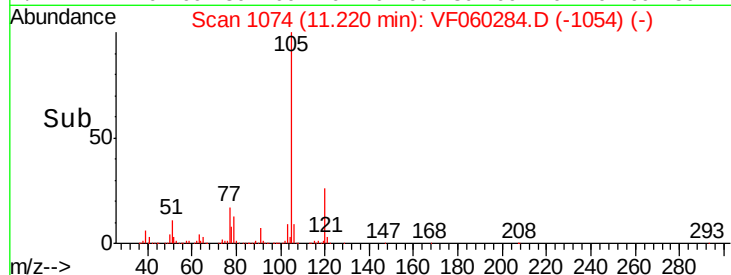
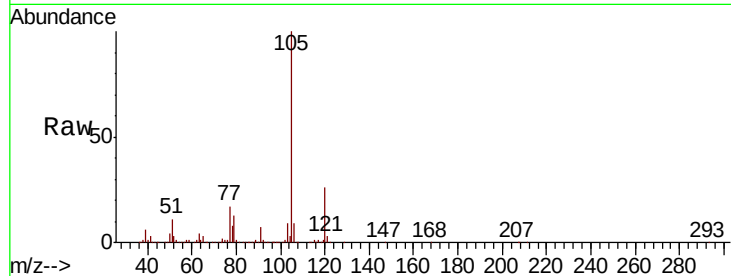
105 100

120 25.7 12.2 36.6

Manual Integrations
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#74

N-ethyl acetate

Concen: 59.41 ug/l

RT: 11.46 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

Tgt Ion: 43 Resp: 249812

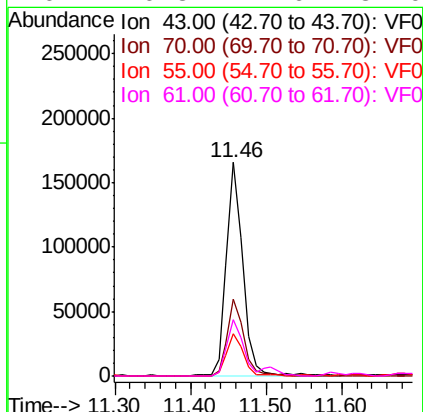
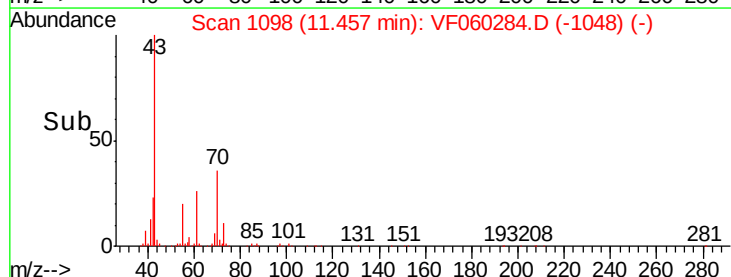
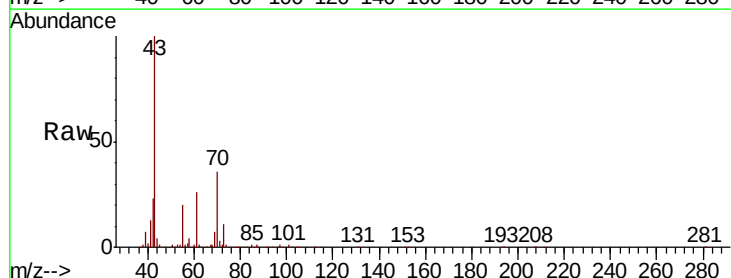
Ion Ratio Lower Upper

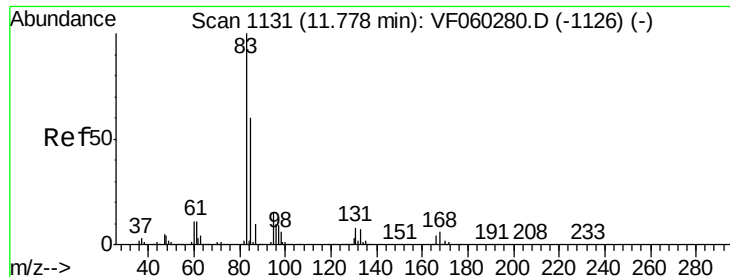
43 100

70 36.1 31.4 47.2

55 20.0 16.8 25.2

61 26.3 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.59 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

Instrument :

MSVOA_F

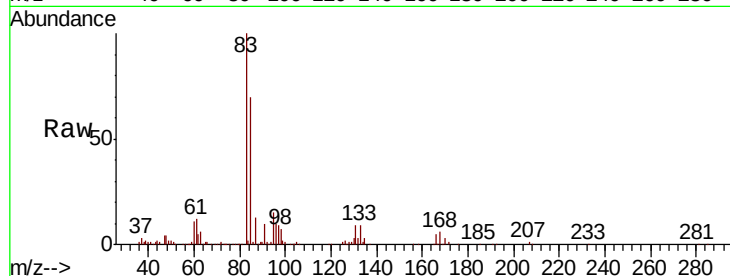
ClientSampleId :

ICVVF091918

Tot Ion:	83	Resp:	166282
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.2	12.4
85	70.0	30.1	90.5

Manual Integrations
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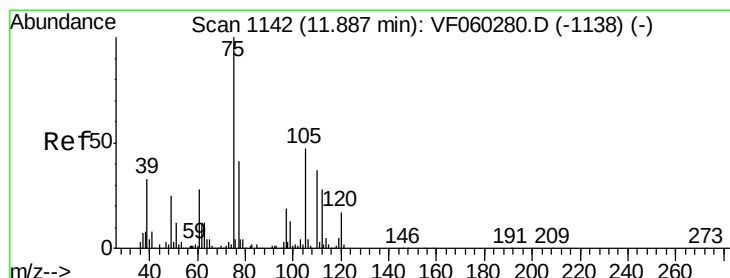
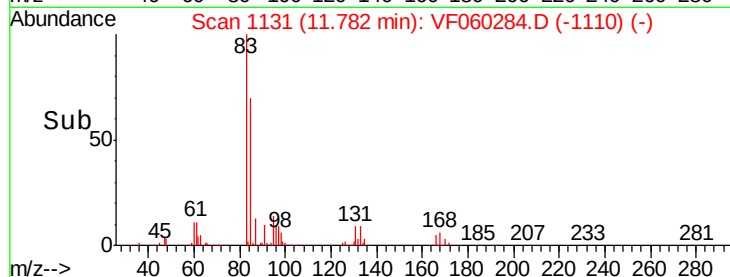
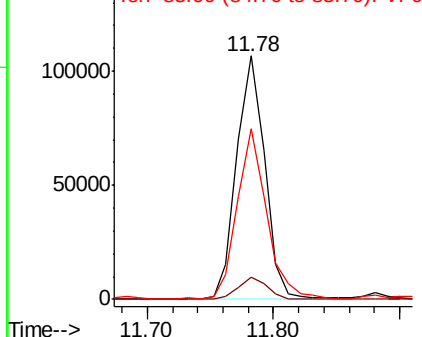
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Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 47.83 ug/l

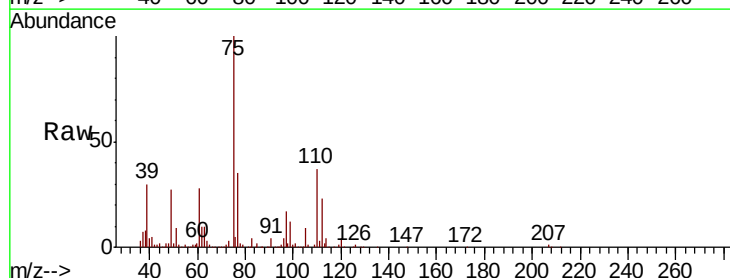
RT: 11.88 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF060284.D

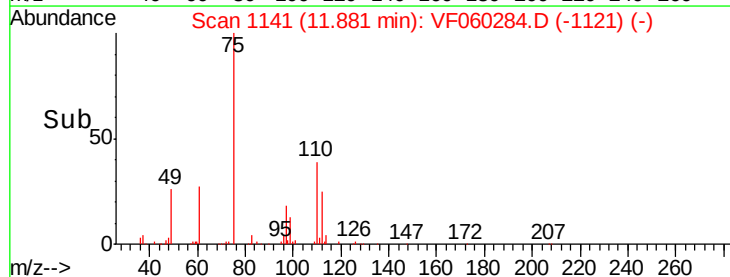
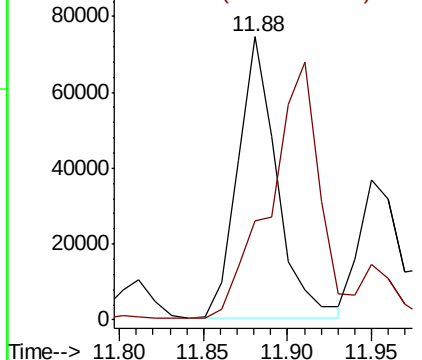
Acq: 19 Sep 2018 17:12

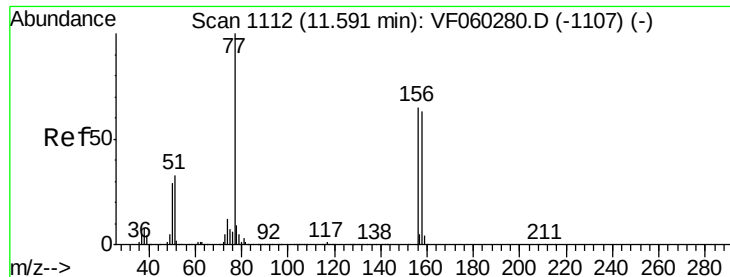
Tgt Ion:	75	Resp:	119666
Ion Ratio	Lower	Upper	
75	100		
77	34.8	20.5	61.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 47.37 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

Instrument :

MSVOA_F

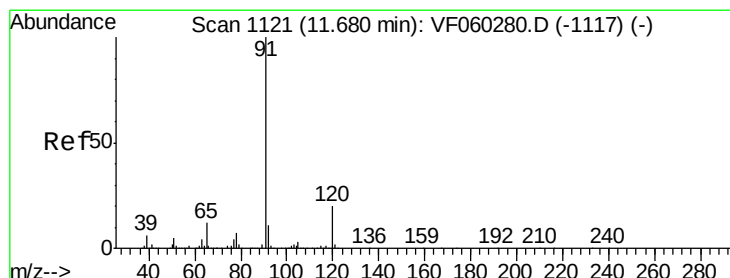
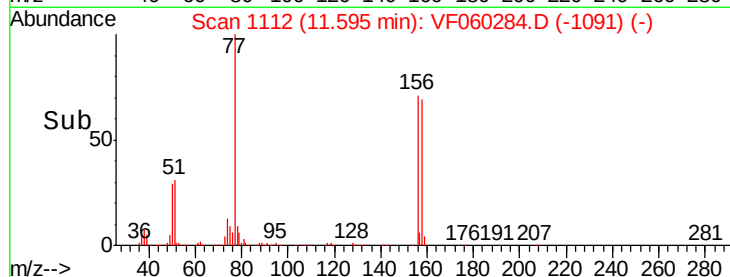
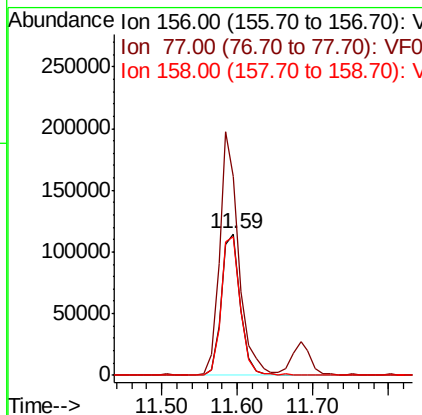
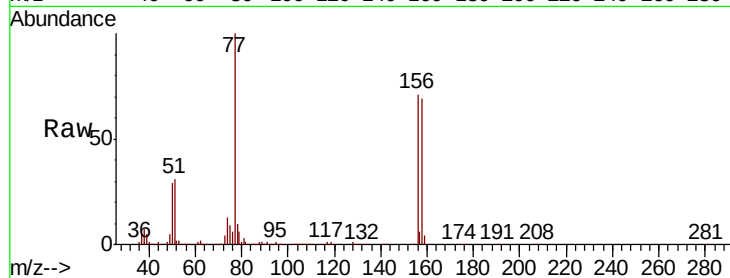
ClientSampleId :

ICVVF091918

Tot Ion:	156	Resp:	201283
Ion Ratio	Lower	Upper	
156	100		
77	140.8	77.3	232.1
158	97.6	48.4	145.2

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#78

n-propylbenzene

Concen: 58.03 ug/l

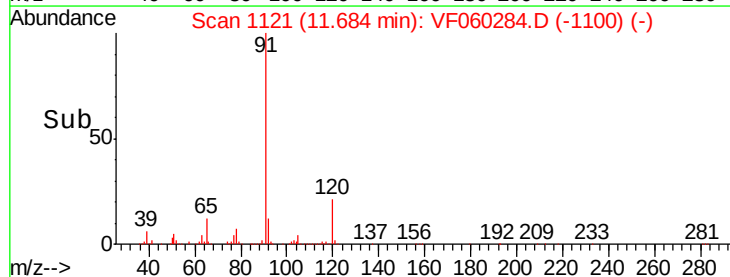
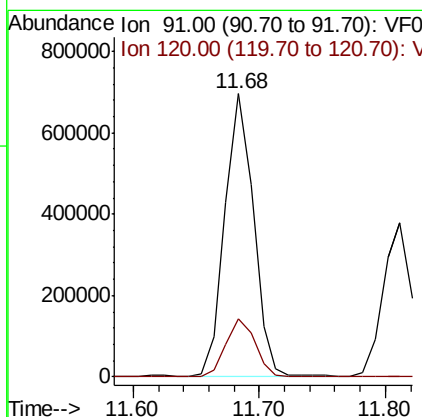
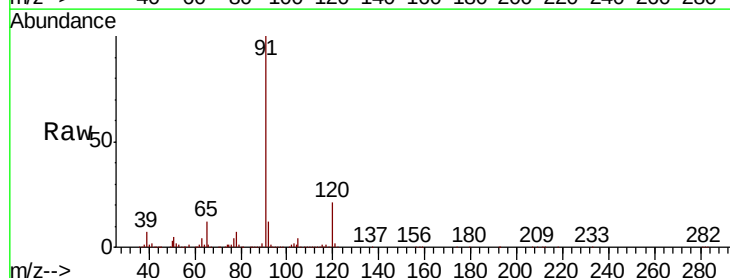
RT: 11.68 min Scan# 1121

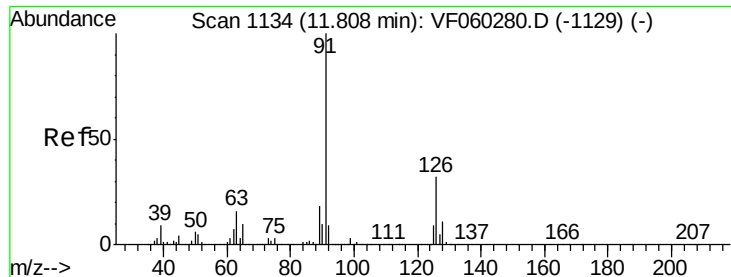
Delta R.T. 0.00 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

Tgt Ion:	91	Resp:	1101509
Ion Ratio	Lower	Upper	
91	100		
120	20.7	10.0	29.8





#79

2-Chlorotoluene

Concen: 45.00 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

Instrument :

MSVOA_F

ClientSampleId :

ICVVF091918

Tot Ion: 91 Resp: 598535

Ion Ratio Lower Upper

91 100

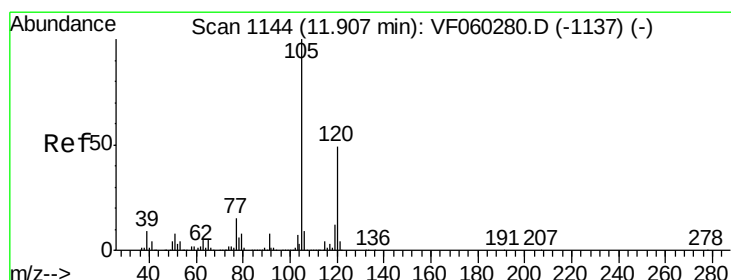
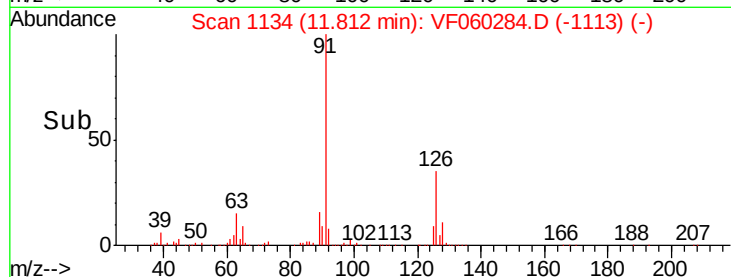
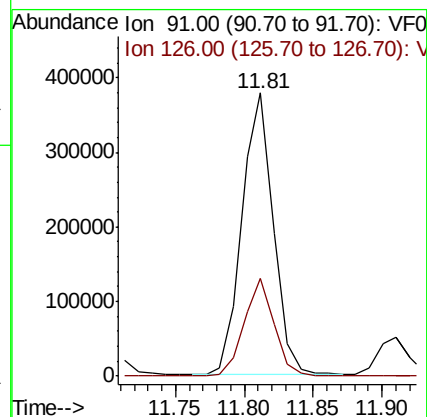
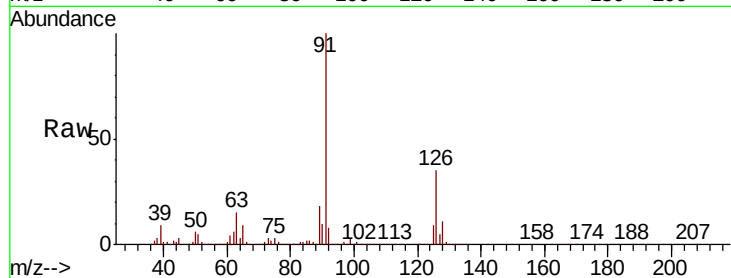
126 34.5 16.1 48.3

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#80

1,3,5-Trimethylbenzene

Concen: 47.27 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF060284.D

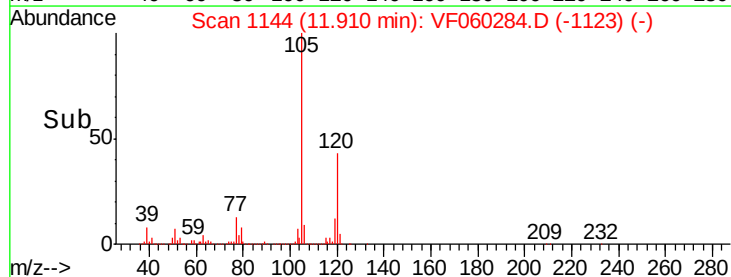
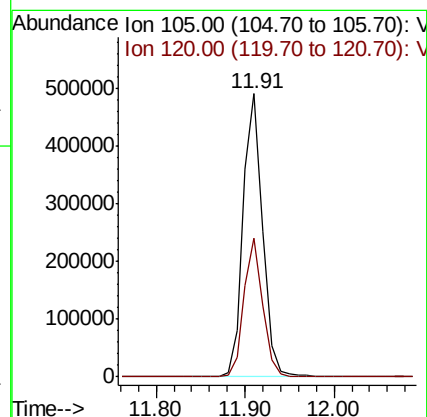
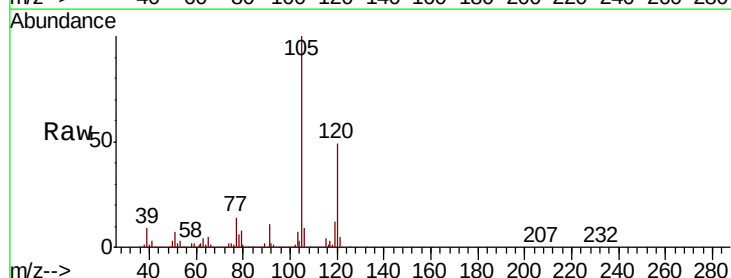
Acq: 19 Sep 2018 17:12

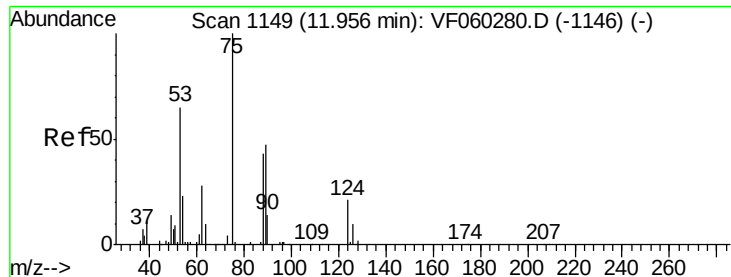
Tgt Ion: 105 Resp: 750189

Ion Ratio Lower Upper

105 100

120 49.0 24.4 73.2





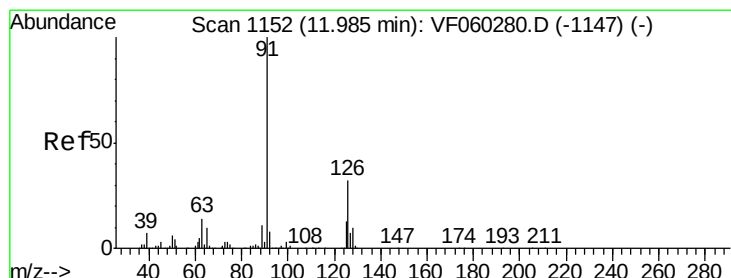
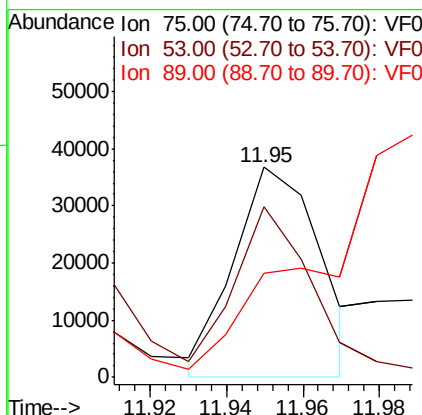
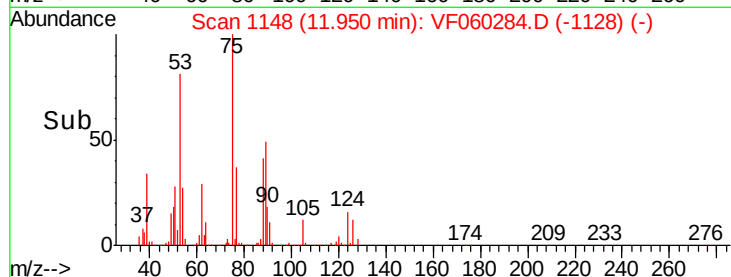
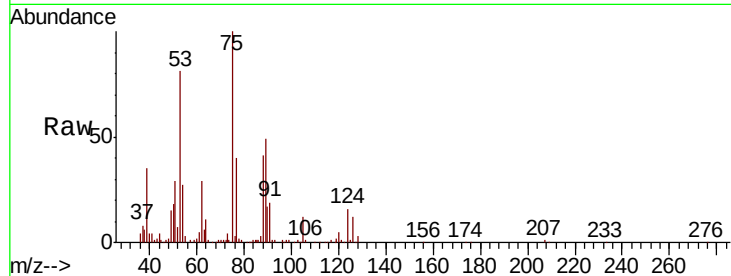
#81
trans-1,4-Dichloro-2-butene
Concen: 34.68 ug/l m
RT: 11.95 min Scan# 1148
Delta R.T. -0.01 min
Lab File: VF060284.D
Acq: 19 Sep 2018 17:12

Instrument :
MSVOA_F
ClientSampleId :
ICVVF091918

Tot Ion	Ratio	Lower	Upper
75	100		
53	81.3	56.5	84.7
89	49.5	40.6	60.8

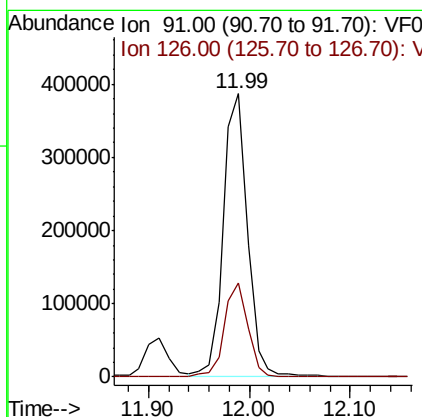
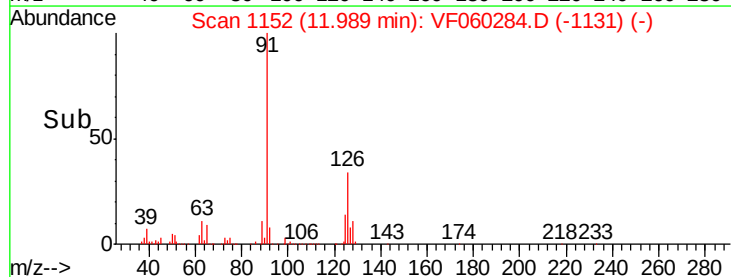
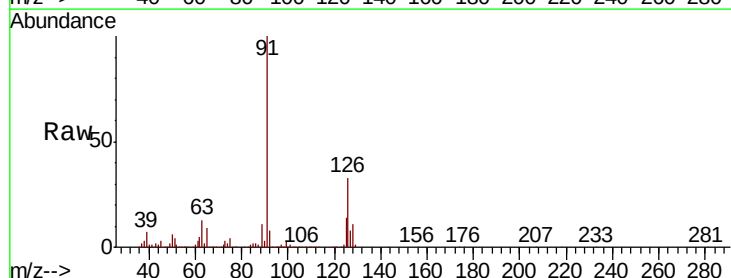
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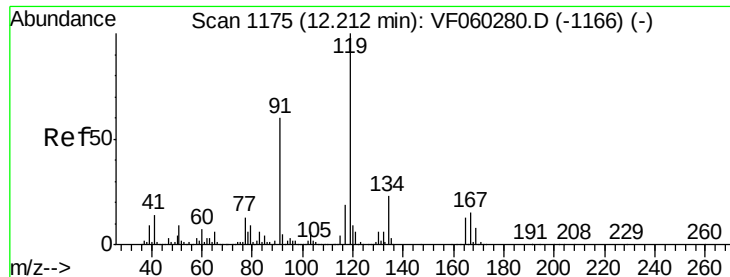
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#82
4-Chlorotoluene
Concen: 47.91 ug/l
RT: 11.99 min Scan# 1152
Delta R.T. 0.00 min
Lab File: VF060284.D
Acq: 19 Sep 2018 17:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.1	48.2





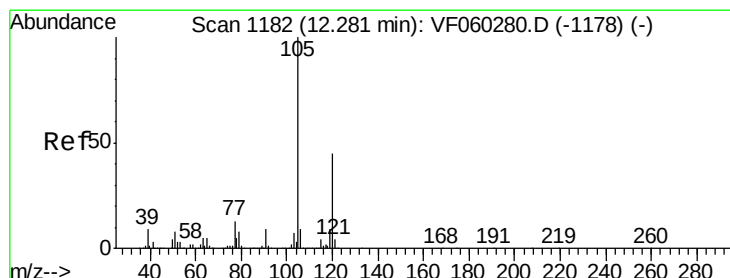
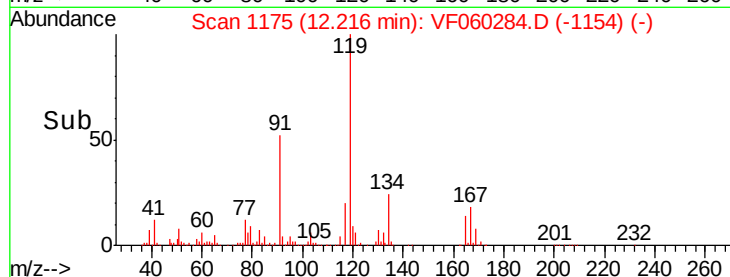
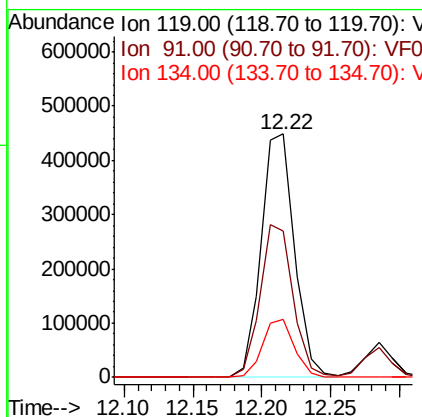
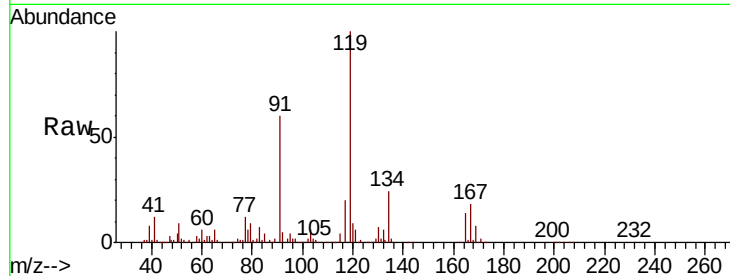
#83
 tert-Butylbenzene
 Concen: 47.24 ug/l
 RT: 12.22 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VF060284.D
 Acq: 19 Sep 2018 17:12

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF091918

Tot Ion	Ratio	Resp	Lower	Upper
119	100	760126		
91	60.0	30.3	91.0	
134	23.7	11.6	34.8	

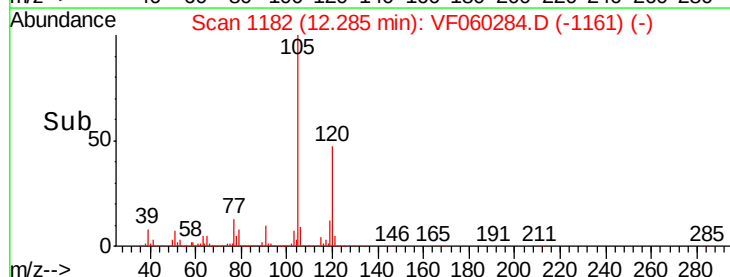
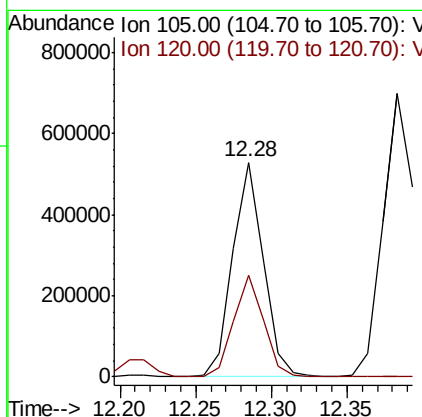
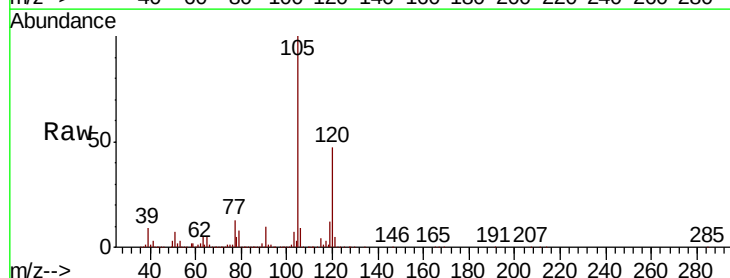
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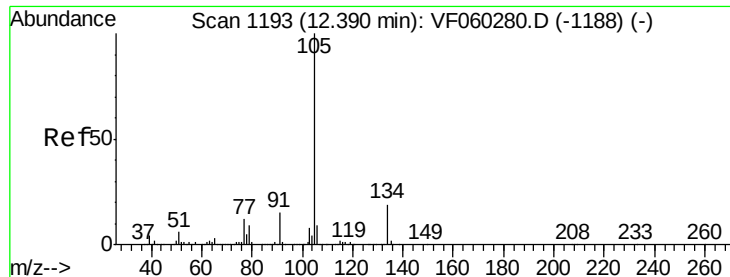
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#84
 1,2,4-Trimethylbenzene
 Concen: 46.36 ug/l
 RT: 12.28 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VF060284.D
 Acq: 19 Sep 2018 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	747155		
120	47.4	22.4	67.0	





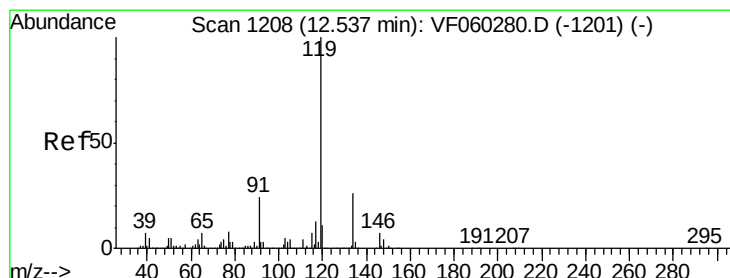
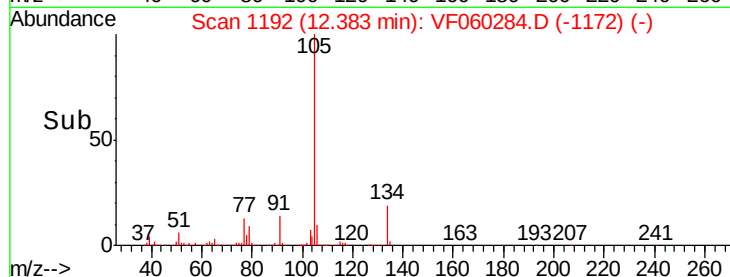
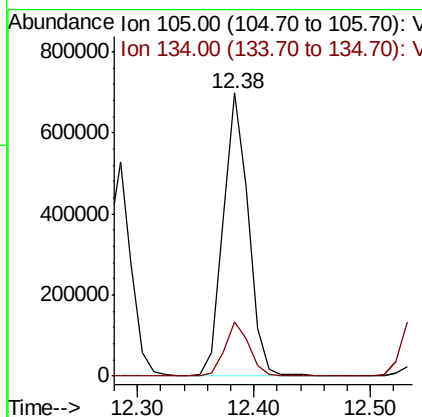
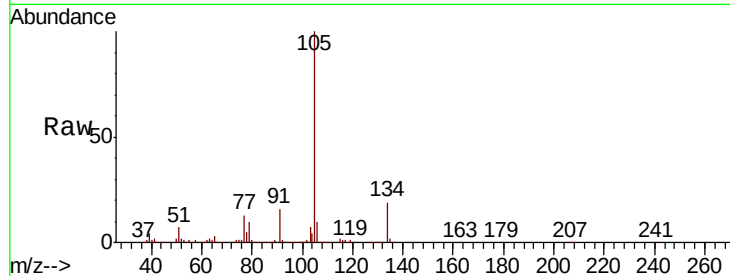
#85
 sec-Butylbenzene
 Concen: 56.47 ug/l
 RT: 12.38 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF060284.D
 Acq: 19 Sep 2018 17:12

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF091918

Tot Ion:105 Resp: 1037651
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.6 28.6

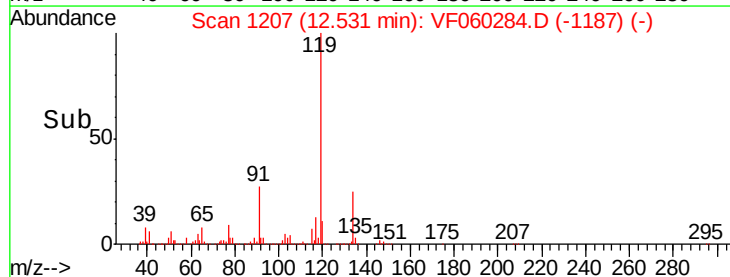
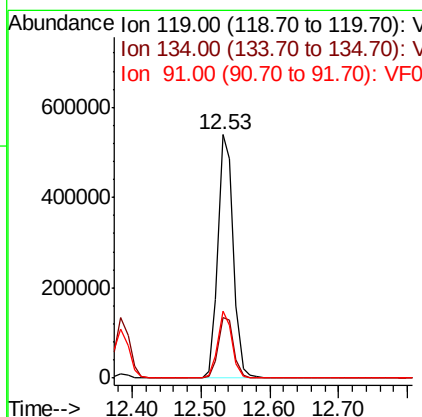
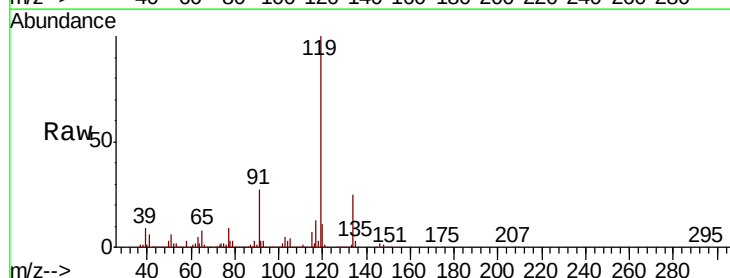
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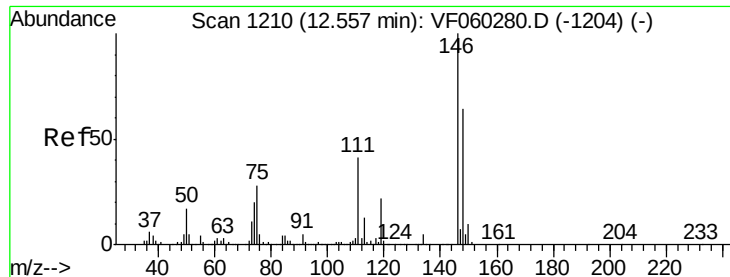
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#86
 p-Isopropyltoluene
 Concen: 56.94 ug/l
 RT: 12.53 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: VF060284.D
 Acq: 19 Sep 2018 17:12

Tgt Ion:119 Resp: 835831
 Ion Ratio Lower Upper
 119 100
 134 24.7 12.9 38.7
 91 27.3 11.9 35.7





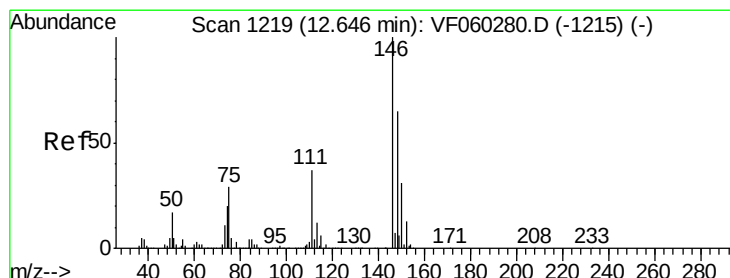
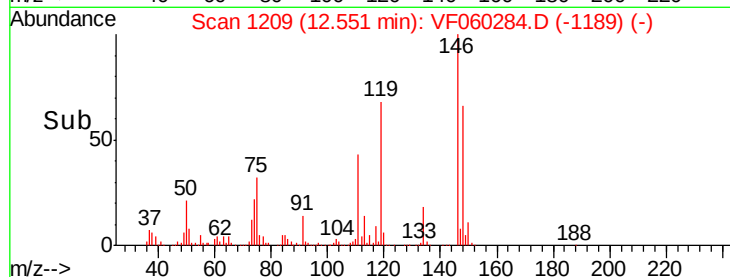
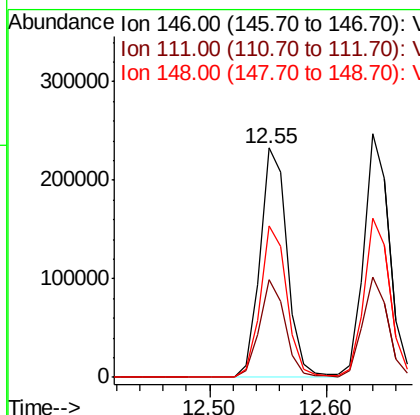
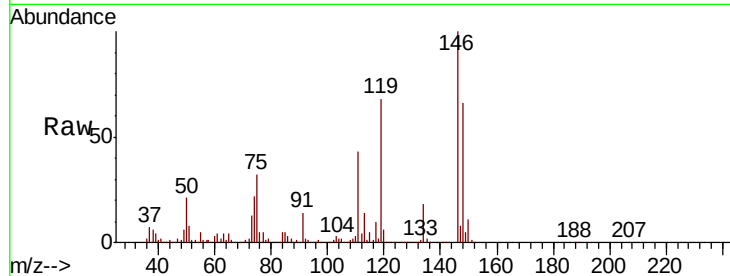
#87
 1,3-Dichlorobenzene
 Concen: 47.32 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF060284.D
 Acq: 19 Sep 2018 17:12

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF091918

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.5	61.6
148	66.2	32.2	96.6

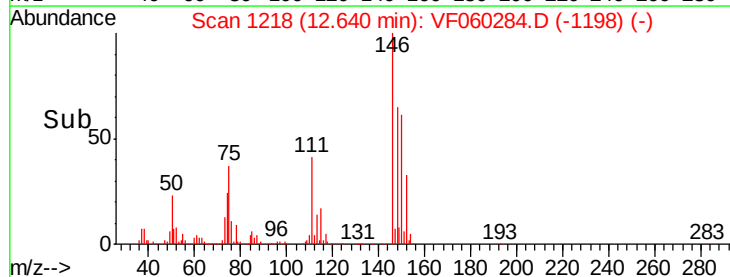
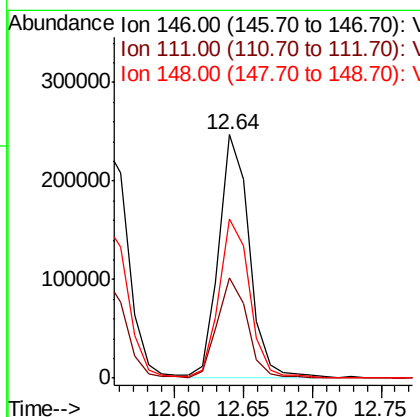
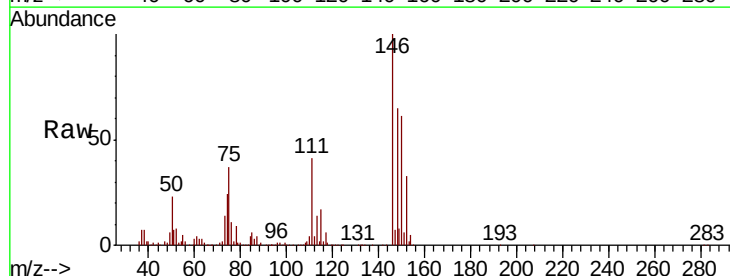
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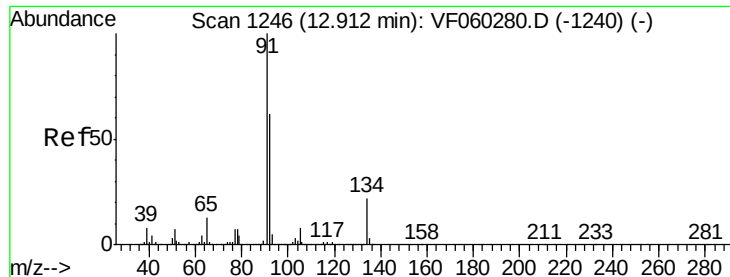
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#88
 1,4-Dichlorobenzene
 Concen: 48.13 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF060284.D
 Acq: 19 Sep 2018 17:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	18.7	56.1
148	65.4	32.4	97.0





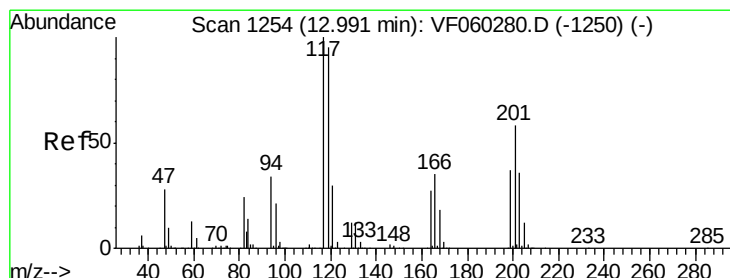
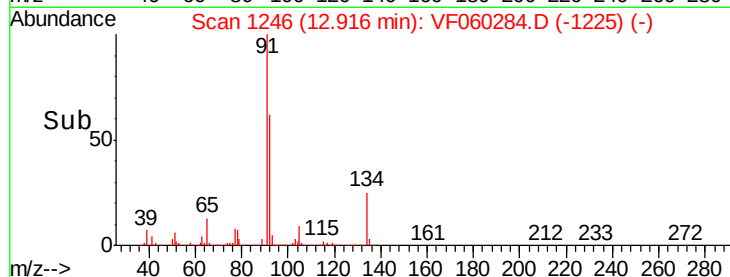
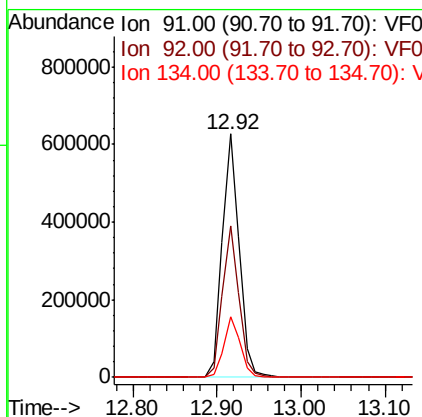
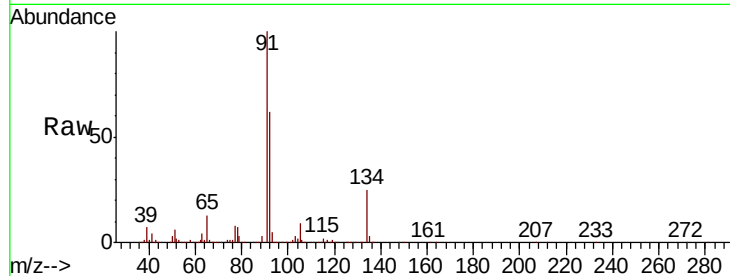
#89
n-Butylbenzene
Concen: 52.84 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.00 min
Lab File: VF060284.D
Acq: 19 Sep 2018 17:12

Instrument :
MSVOA_F
ClientSampleId :
ICVVF091918

Tot Ion	Ratio	Resp	Lower	Upper
91	100	876095		
92	62.4		31.1	93.5
134	24.9		11.0	33.0

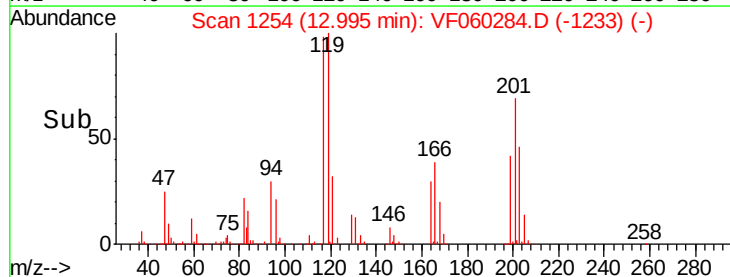
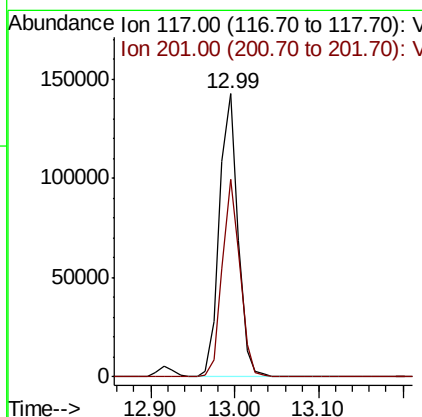
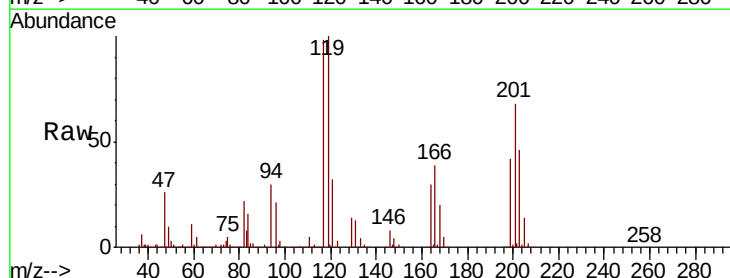
Manual Integrations
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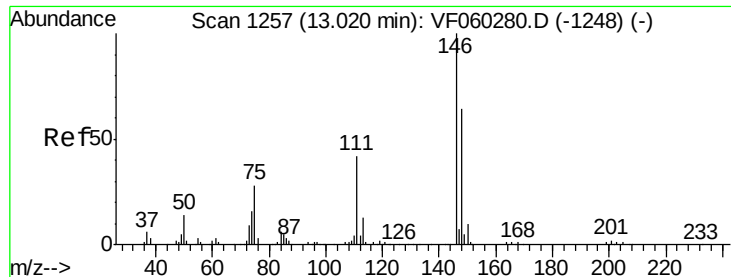
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#90
Hexachloroethane
Concen: 48.61 ug/l
RT: 12.99 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VF060284.D
Acq: 19 Sep 2018 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	218831		
201	70.0		29.0	87.0





#91

1,2-Dichlorobenzene

Concen: 49.05 ug/l

RT: 13.01 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

Instrument :

MSVOA_F

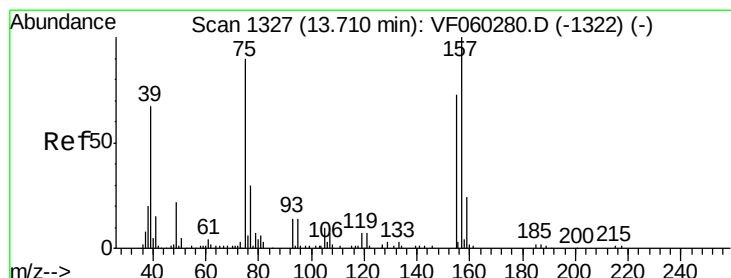
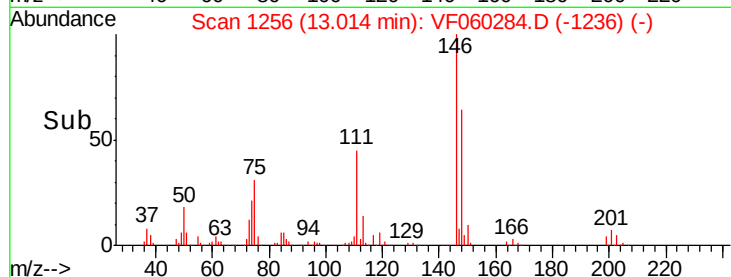
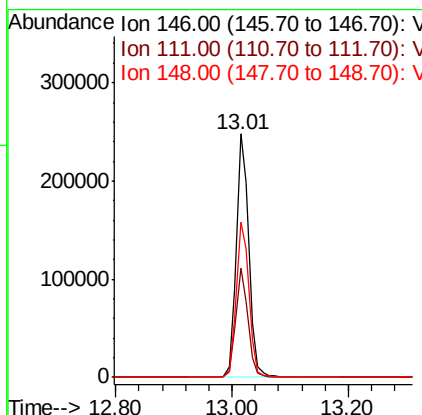
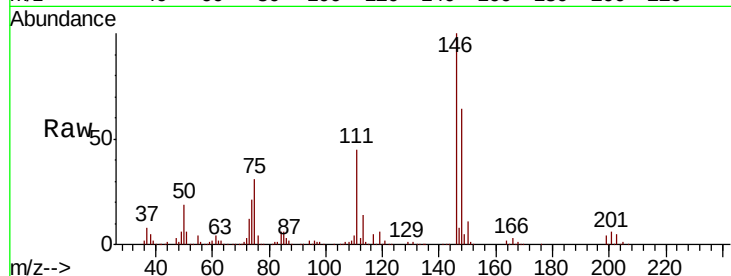
ClientSampleId :

ICVVF091918

Tot Ion:	146	Resp:	371573
Ion Ratio	Lower	Upper	
146	100		
111	44.7	20.9	62.8
148	63.8	31.9	95.9

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#92

1,2-Dibromo-3-Chloropropane

Concen: 45.38 ug/l

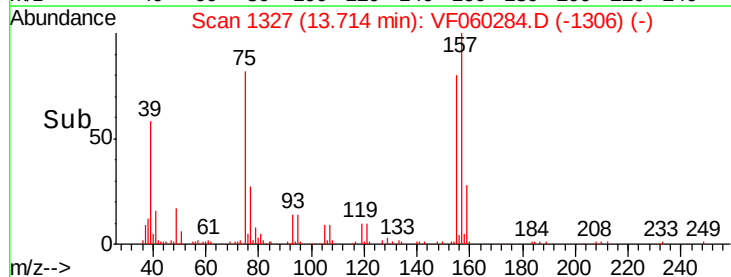
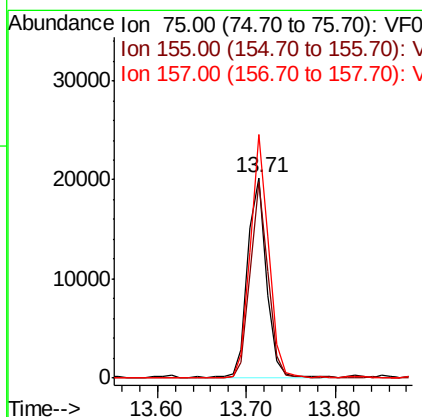
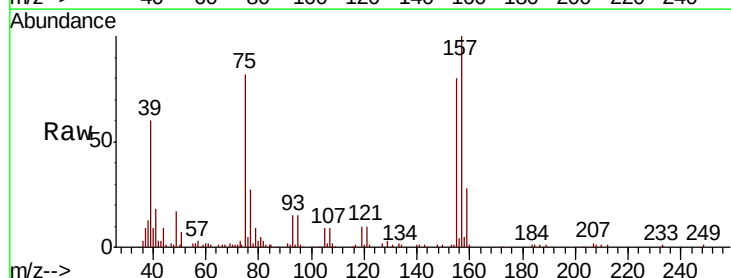
RT: 13.71 min Scan# 1327

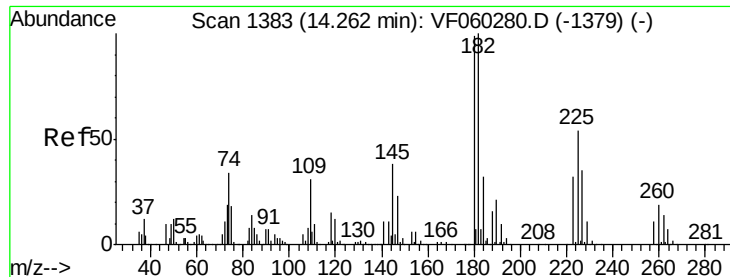
Delta R.T. 0.00 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

Tgt Ion:	75	Resp:	29773
Ion Ratio	Lower	Upper	
75	100		
155	97.7	41.9	125.7
157	121.4	57.4	172.0





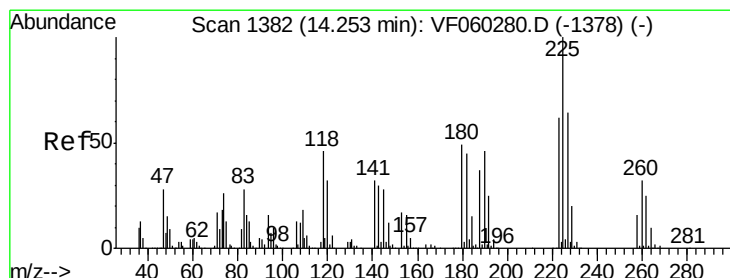
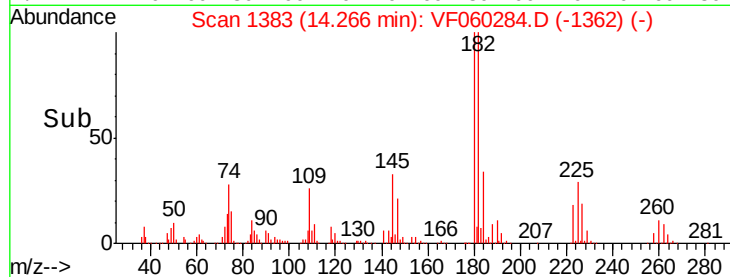
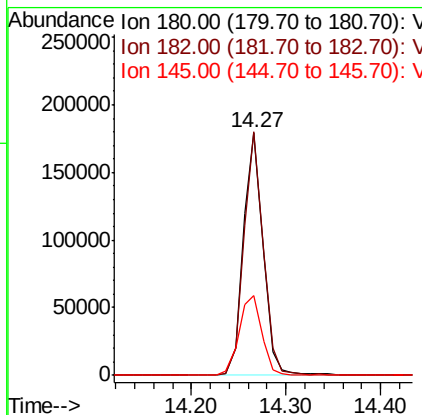
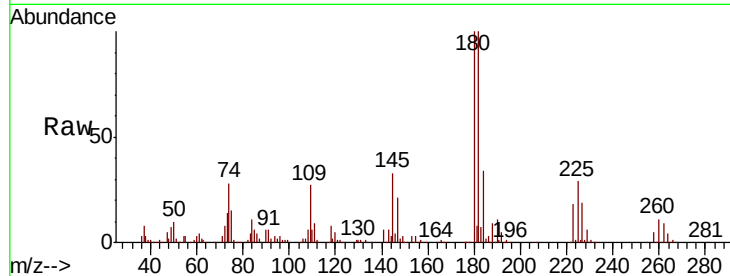
#93
 1,2,4-Trichlorobenzene
 Concen: 47.17 ug/l
 RT: 14.27 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VF060284.D
 Acq: 19 Sep 2018 17:12

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV091918

Tot Ion	Ratio	Resp	Lower	Upper
180	100	259688		
182	100.4	50.3	151.0	
145	32.9	18.9	56.9	

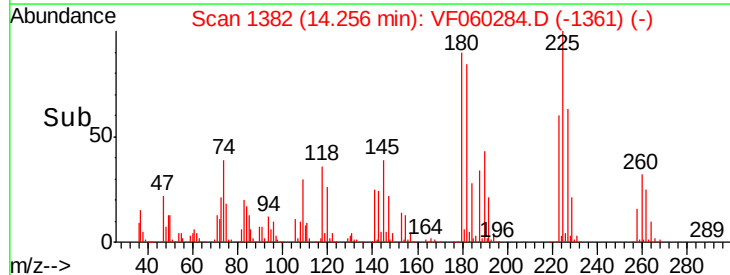
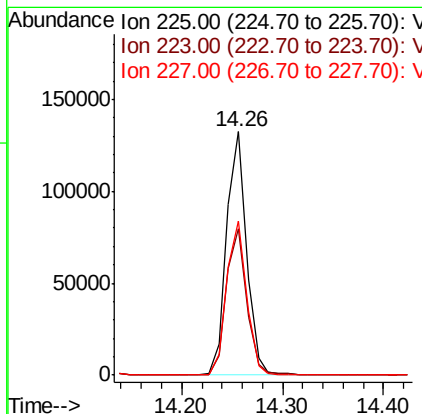
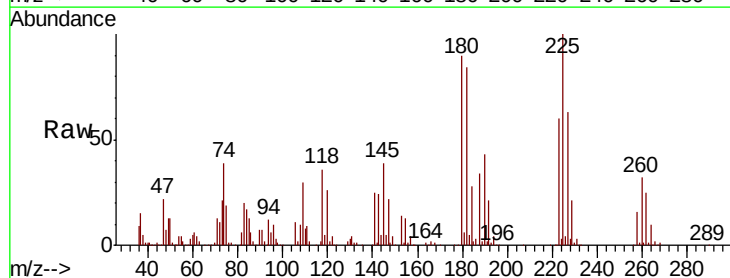
Manual Integrations
 APPROVED

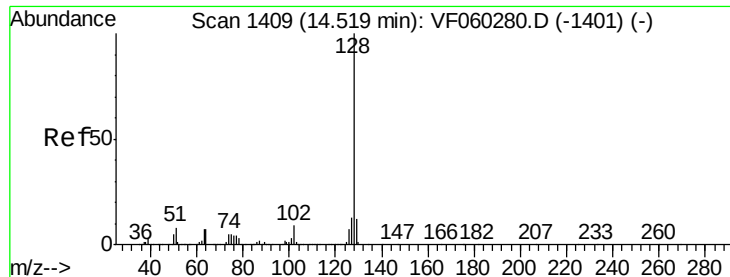
apatel
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#94
 Hexachlorobutadiene
 Concen: 49.10 ug/l
 RT: 14.26 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VF060284.D
 Acq: 19 Sep 2018 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	182730		
223	60.0	31.2	93.6	
227	63.3	32.2	96.6	





#95

Naphthalene

Concen: 53.72 ug/l

RT: 14.52 min Scan# 1409

Delta R.T. 0.00 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

Instrument :

MSVOA_F

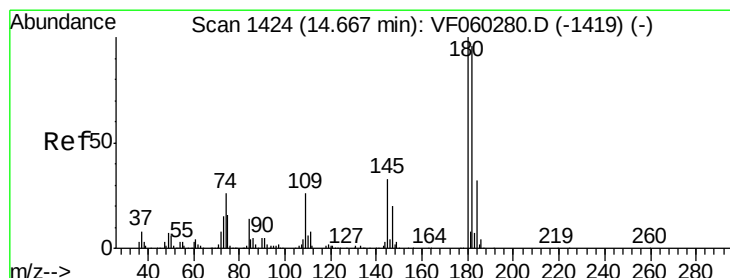
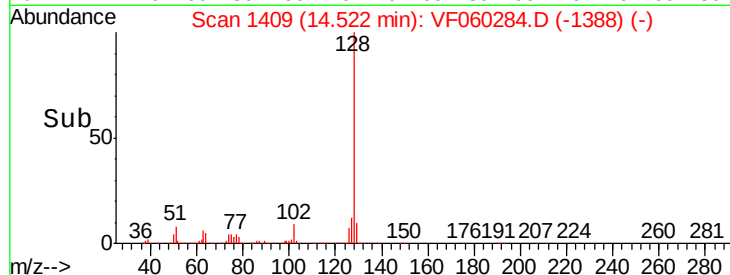
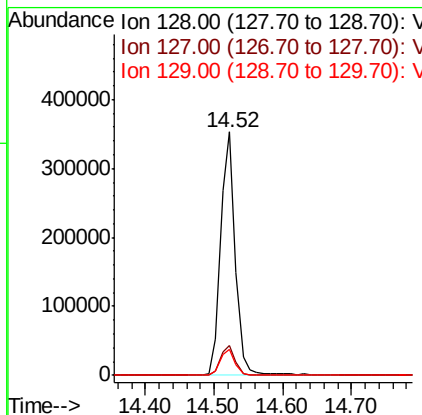
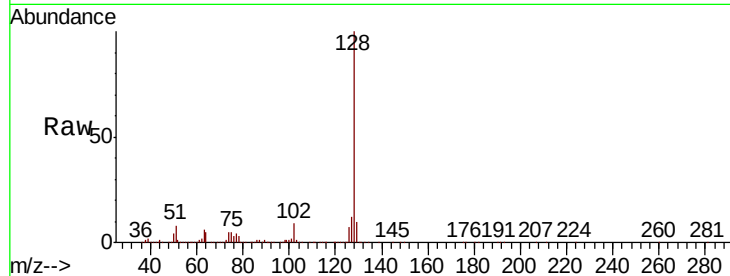
ClientSampleId :

ICVVF091918

Tot Ion:	128	Resp:	518534
Ion Ratio	Lower	Upper	
128	100		
127	12.2	10.1	15.1
129	10.4	9.8	14.8

Manual Integrations
APPROVED

apatel
9/20/2018 3:40:46 PM



#96

1,2,3-Trichlorobenzene

Concen: 49.16 ug/l

RT: 14.67 min Scan# 1424

Delta R.T. 0.00 min

Lab File: VF060284.D

Acq: 19 Sep 2018 17:12

Tgt Ion:	180	Resp:	250096
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.8	143.4
145	31.7	16.4	49.1

