

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071918\
 Data File : VF059545.D
 Acq On : 19 Jul 2018 7:46
 Operator : VA/AP
 Sample : VF0719SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0719SBS01

Manual Integrations
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 7/19/2018 3:17:16 PM

Quant Time: Jul 19 08:47:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	225695	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	340559	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	345304	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.63	152	223978	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	191682	54.61	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	109.22%	
35) Dibromofluoromethane	4.28	113	149857	50.81	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	101.62%	
50) Toluene-d8	7.70	98	344269	46.34	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	92.68%	
62) 4-Bromofluorobenzene	11.50	95	211942	54.38	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	108.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	60741	21.97	ug/l	99
3) Chloromethane	1.08	50	29879	19.64	ug/l	90
4) Vinyl Chloride	1.14	62	32793	21.36	ug/l	94
5) Bromomethane	1.33	94	27804	26.13	ug/l	93
6) Chloroethane	1.42	64	20254	26.16	ug/l	97
7) Trichlorofluoromethane	1.48	101	72832m	19.38	ug/l	
8) Diethyl Ether	1.70	74	14818	20.49	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.89	101	45863	28.90	ug/l #	92
10) Methyl Iodide	1.95	142	80370	28.93	ug/l	87
11) Tert butyl alcohol	2.68	59	18476	117.50	ug/l #	83
12) 1,1-Dichloroethene	1.85	96	36761	21.79	ug/l	87
13) Acrolein	2.09	56	7623	88.01	ug/l	91
14) Allyl chloride	2.18	41	59765	28.38	ug/l	81
15) Acrylonitrile	3.07	53	30683	104.19	ug/l	90
16) Acetone	2.34	43	67175	113.03	ug/l	94
17) Carbon Disulfide	1.83	76	93401	21.60	ug/l	95
18) Methyl Acetate	2.44	43	21734m	18.36	ug/l	
19) Methyl tert-butyl Ether	2.53	73	105883	20.00	ug/l	96
20) Methylene Chloride	2.27	84	42344	24.39	ug/l #	85
21) trans-1,2-Dichloroethene	2.41	96	35640	22.84	ug/l #	76
22) Diisopropyl ether	2.92	45	126748	21.42	ug/l	93
23) Vinyl Acetate	3.32	43	346462	100.18	ug/l	97
24) 1,1-Dichloroethane	3.00	63	91627	25.07	ug/l	98
25) 2-Butanone	4.50	43	76911	94.38	ug/l	98
26) 2,2-Dichloropropane	3.76	77	59412	24.57	ug/l	96
27) cis-1,2-Dichloroethene	3.62	96	45753	25.20	ug/l	95
28) Bromochloromethane	3.88	49	34968	21.74	ug/l #	92
29) Tetrahydrofuran	4.25	42	36898	98.28	ug/l	93
30) Chloroform	4.02	83	117933	22.34	ug/l	98
31) Cyclohexane	3.85	56	49694	26.25	ug/l	100
32) 1,1,1-Trichloroethane	4.26	97	96870	28.23	ug/l	96
36) 1,1-Dichloropropene	4.45	75	74952	21.99	ug/l	98
37) Ethyl Acetate	4.27	43	42162	19.46	ug/l #	1
38) Carbon Tetrachloride	4.16	117	107781m	27.59	ug/l	

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	62806	24.28	ug/l	95
40) Benzene	4.80	78	141296	21.37	ug/l	100
41) Methacrylonitrile	4.91	41	16681	17.06	ug/l #	83
42) 1,2-Dichloroethane	5.11	62	96076	22.12	ug/l	97
43) Isopropyl Acetate	7.11	43	44969	18.36	ug/l #	97
44) Trichloroethene	5.67	130	53534	21.87	ug/l	98
45) 1,2-Dichloropropane	6.40	63	40155	21.88	ug/l	99
46) Dibromomethane	6.24	93	37317	22.32	ug/l	90
47) Bromodichloromethane	6.54	83	98288	22.84	ug/l	97
48) Methyl methacrylate	6.86	41	29179	16.68	ug/l	92
49) 1,4-Dioxane	6.86	88	3467	400.05	ug/l #	60
51) 4-Methyl-2-Pentanone	8.40	43	167096	96.24	ug/l	94
52) Toluene	7.77	92	103687	21.62	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	79481	20.08	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	80565	20.44	ug/l	91
55) 1,1,2-Trichloroethane	8.63	97	43178	23.24	ug/l #	93
56) Ethyl methacrylate	8.75	69	44971	19.51	ug/l	95
57) 1,3-Dichloropropane	8.99	76	71080	21.63	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.77	63	23417	115.09	ug/l	100
59) 2-Hexanone	9.62	43	129971	99.05	ug/l	93
60) Dibromochloromethane	8.85	129	66431	21.21	ug/l	91
61) 1,2-Dibromoethane	9.13	107	50436	21.87	ug/l	98
64) Tetrachloroethene	8.30	164	58310	22.68	ug/l	95
65) Chlorobenzene	9.94	112	145069	22.40	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	65495	22.20	ug/l	92
67) Ethyl Benzene	10.03	91	264308	22.93	ug/l	94
68) m/p-Xylenes	10.26	106	189118	46.48	ug/l	98
69) o-Xylene	10.82	106	100689	23.24	ug/l	100
70) Styrene	10.89	104	147968	22.22	ug/l	99
71) Bromoform	10.88	173	43144	21.06	ug/l	99
73) Isopropylbenzene	11.22	105	294556	20.84	ug/l	100
74) N-amyl acetate	11.45	43	76113	16.82	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	62190	20.17	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	51954	20.64	ug/l	94
77) Bromobenzene	11.59	156	85388	21.55	ug/l	97
78) n-propylbenzene	11.68	91	361220	22.28	ug/l	97
79) 2-Chlorotoluene	11.81	91	213786	21.41	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	261542	22.08	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.96	75	16887m	14.69	ug/l	
82) 4-Chlorotoluene	11.99	91	239925	21.44	ug/l	94
83) tert-Butylbenzene	12.21	119	258350	22.73	ug/l	94
84) 1,2,4-Trimethylbenzene	12.28	105	281526	23.11	ug/l	96
85) sec-Butylbenzene	12.38	105	342959	23.73	ug/l	96
86) p-Isopropyltoluene	12.54	119	292909	23.29	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	149642	22.02	ug/l	95
88) 1,4-Dichlorobenzene	12.64	146	150460	22.47	ug/l	96
89) n-Butylbenzene	12.91	91	285261	24.24	ug/l	97
90) Hexachloroethane	12.99	117	72400	25.34	ug/l	90
91) 1,2-Dichlorobenzene	13.01	146	148560	22.86	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	14148	20.26	ug/l	89

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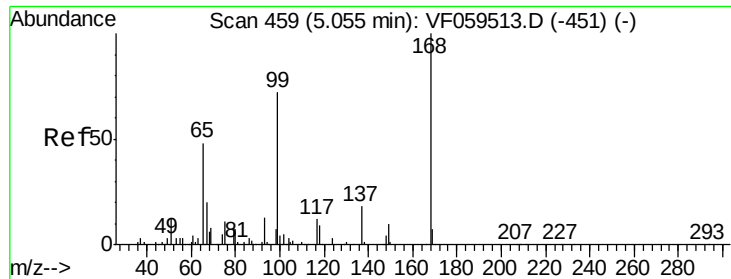
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	101353	25.66	ug/l	96
94) Hexachlorobutadiene	14.25	225	64879	32.07	ug/l	95
95) Naphthalene	14.52	128	191018	23.28	ug/l	97
96) 1,2,3-Trichlorobenzene	14.67	180	99502	27.88	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

Tot Ion:168 Resp: 225695

Ion Ratio Lower Upper

168 100

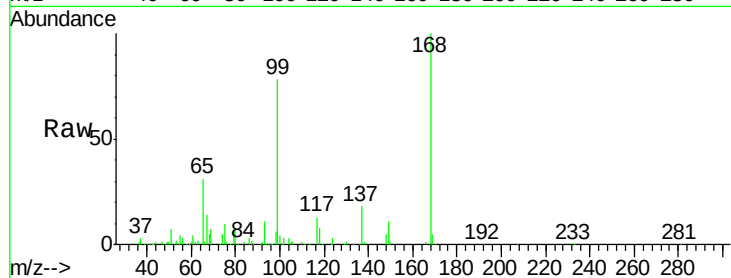
99 77.8 57.6 86.4

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

80000

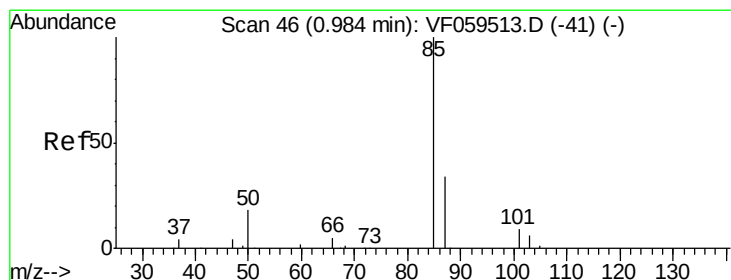
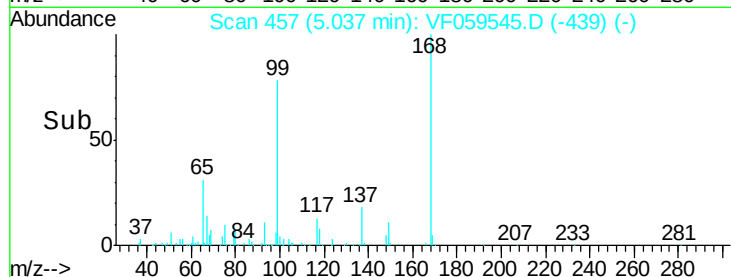
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.97 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059545.D

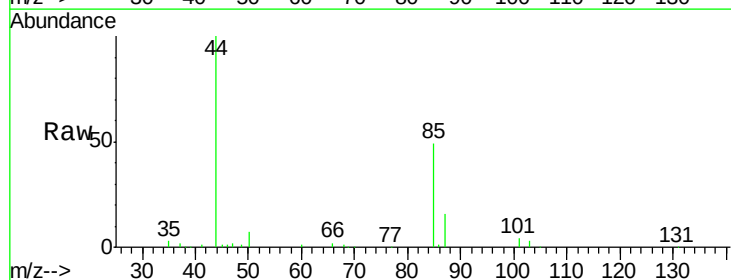
Acq: 19 Jul 2018 7:46

Tgt Ion: 85 Resp: 60741

Ion Ratio Lower Upper

85 100

87 32.9 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

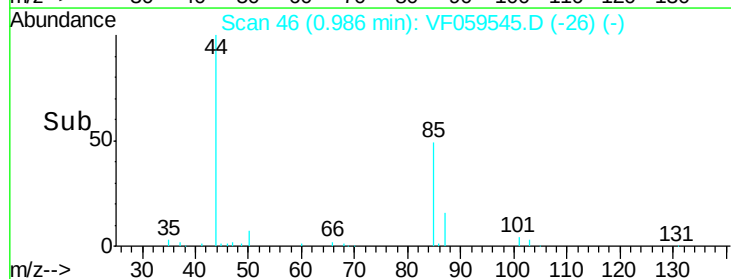
15000

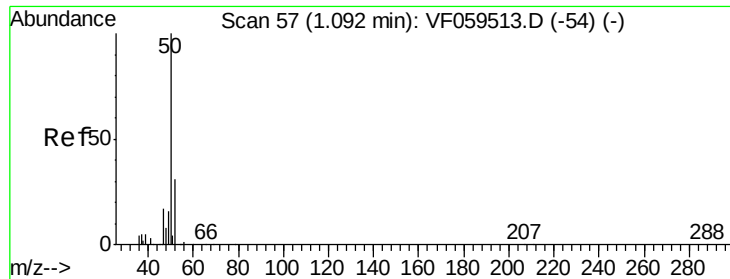
10000

5000

0

Time-->





#3

Chloromethane

Concen: 19.64 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

Tot Ion: 50 Resp: 29879

Ion Ratio Lower Upper

50 100

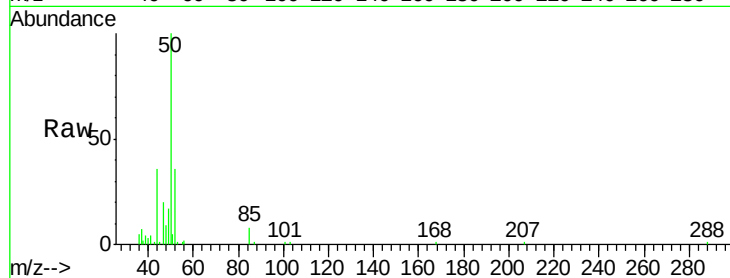
52 36.3 24.6 37.0

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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.08

15000

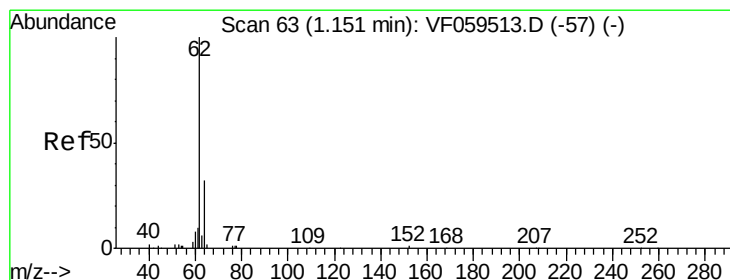
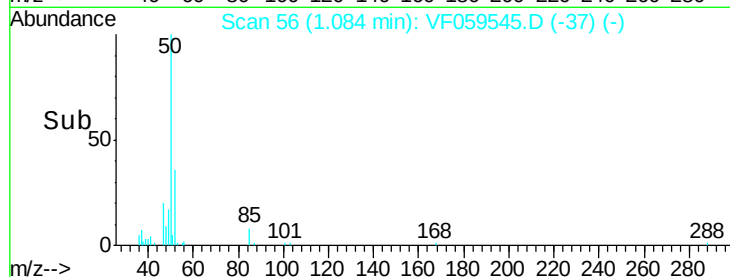
10000

5000

0

Time-->

1.00 1.10 1.20



#4

Vinyl Chloride

Concen: 21.36 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059545.D

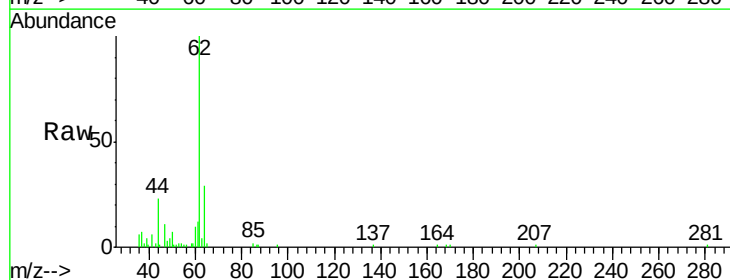
Acq: 19 Jul 2018 7:46

Tgt Ion: 62 Resp: 32793

Ion Ratio Lower Upper

62 100

64 28.8 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

1.14

15000

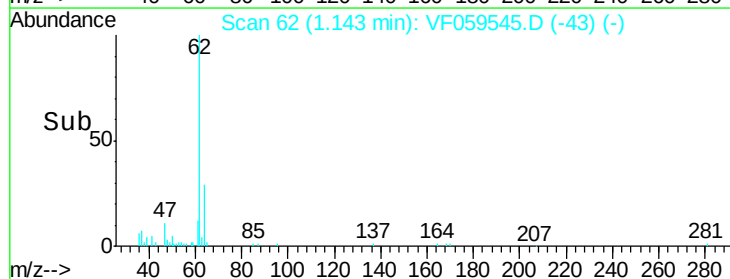
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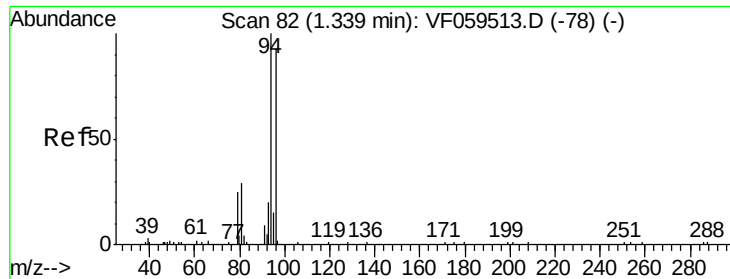
5000

0

Time-->

1.00 1.10 1.20 1.30





#5

Bromomethane

Concen: 26.13 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

Tot Ion: 94 Resp: 27804

Ion Ratio Lower Upper

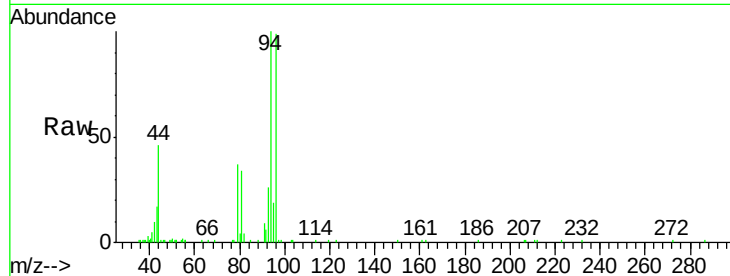
94 100

96 99.3 74.2 111.2

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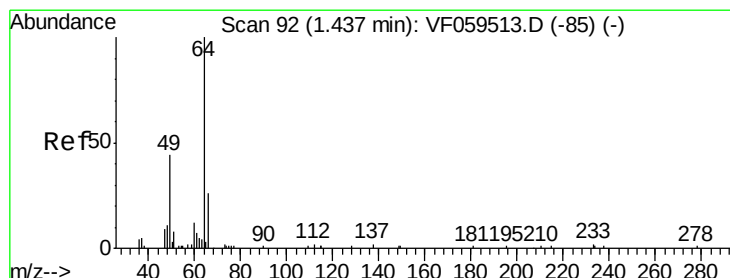
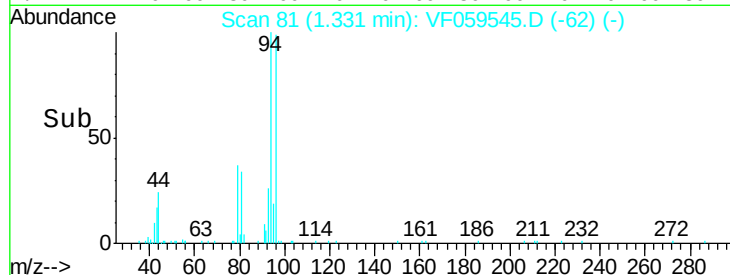
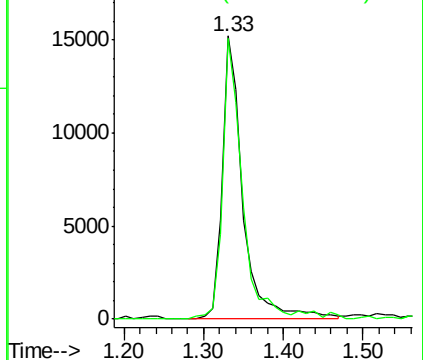
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 26.16 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.02 min

Lab File: VF059545.D

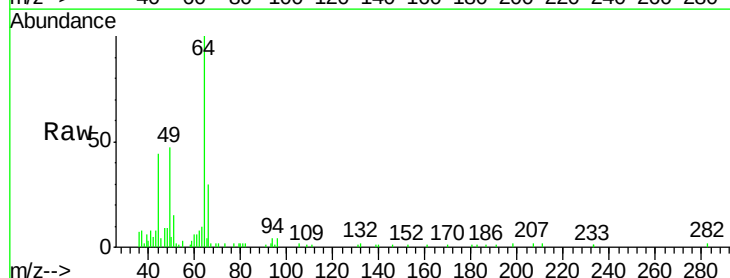
Acq: 19 Jul 2018 7:46

Tgt Ion: 64 Resp: 20254

Ion Ratio Lower Upper

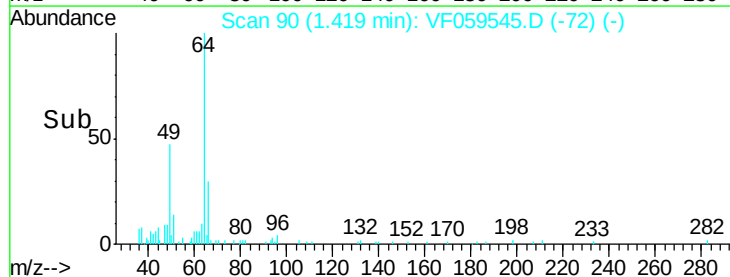
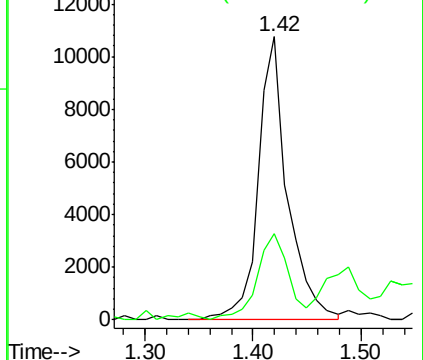
64 100

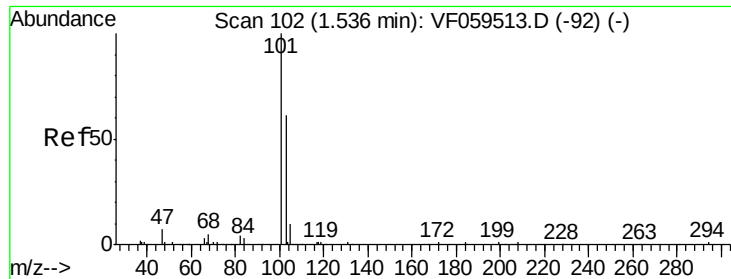
66 30.3 22.9 34.3



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

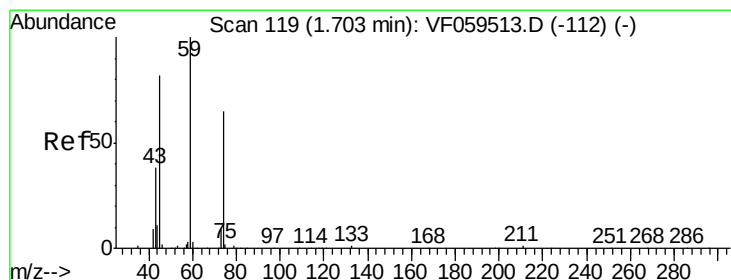
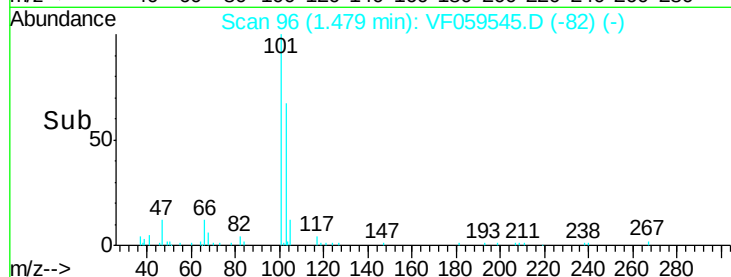
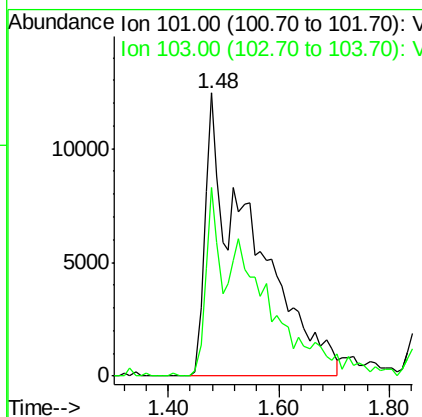
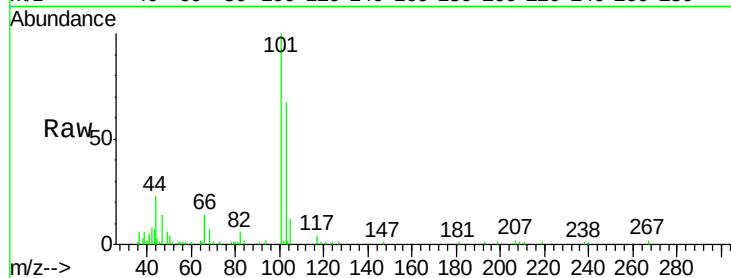
Trichlorofluoromethane
Concen: 19.38 ug/l m
RT: 1.48 min Scan# 96
Delta R.T. -0.06 min
Lab File: VF059545.D
Acq: 19 Jul 2018 7:46

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.5	48.6	72.8

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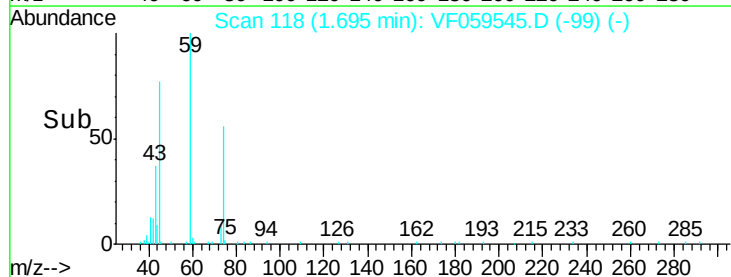
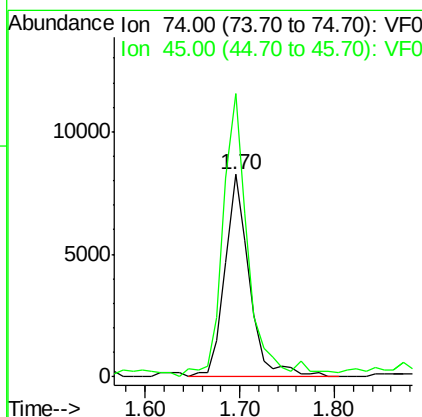
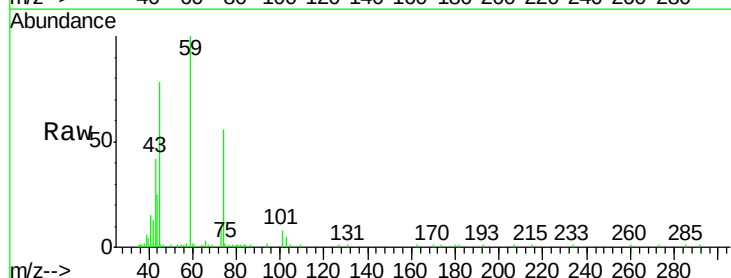
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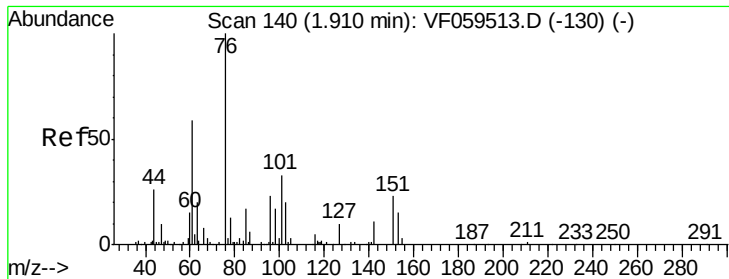


#8

Diethyl Ether
Concen: 20.49 ug/l
RT: 1.70 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF059545.D
Acq: 19 Jul 2018 7:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	139.9	63.6	190.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 28.90 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF059545.D

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MSVOA_F

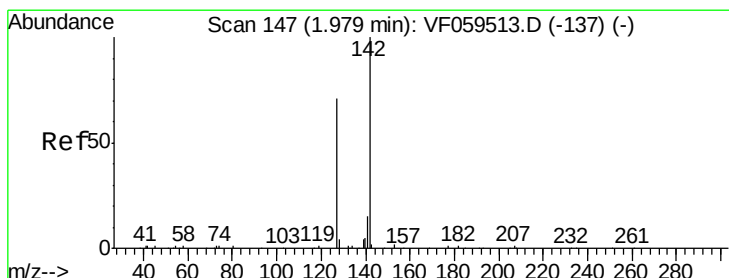
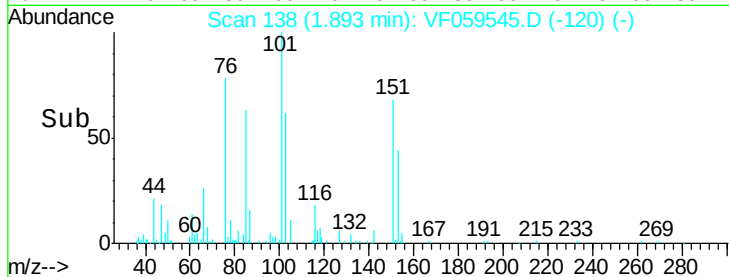
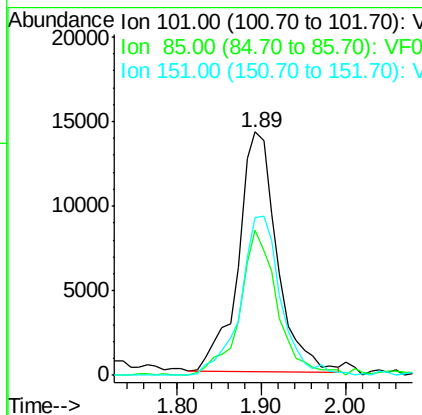
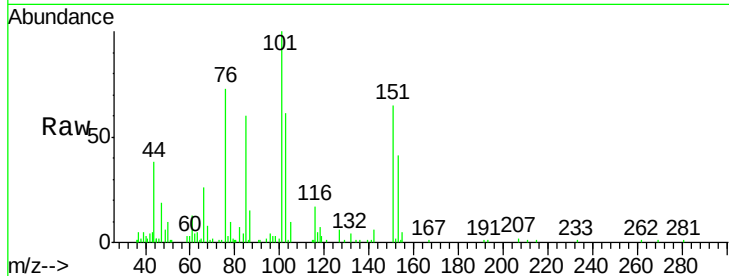
ClientSampleId :

VF0719SBS01

Tot Ion:	101	Resp:	45863
Ion Ratio	Lower	Upper	
101	100		
85	59.7	39.8	59.6#
151	64.6	54.2	81.2

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#10

Methyl Iodide

Concen: 28.93 ug/l

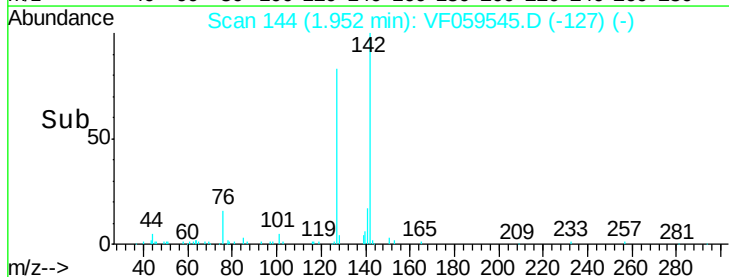
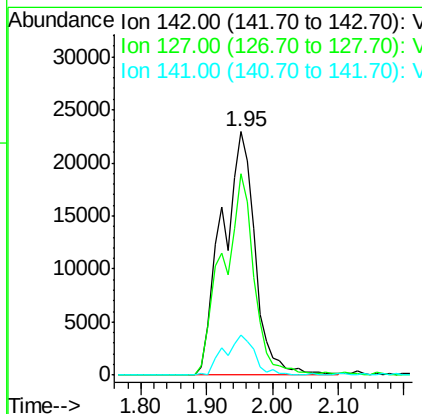
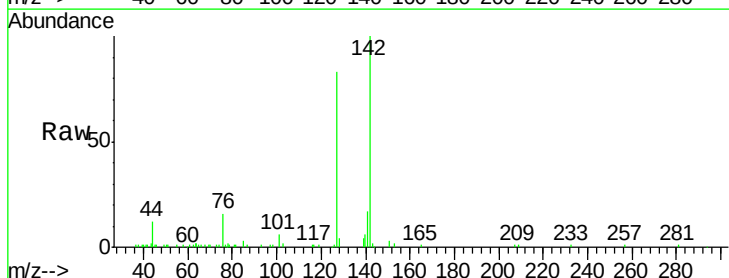
RT: 1.95 min Scan# 144

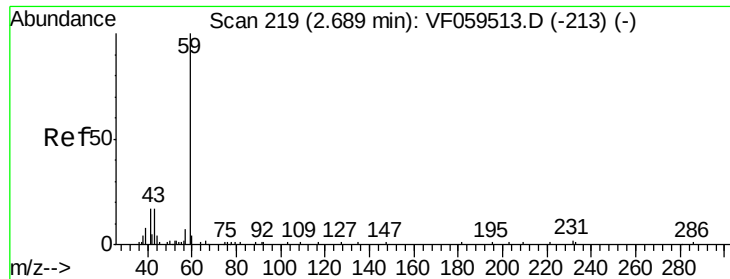
Delta R.T. -0.03 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Tgt Ion:	142	Resp:	80370
Ion Ratio	Lower	Upper	
142	100		
127	82.7	56.4	84.6
141	16.5	12.0	18.0





#11

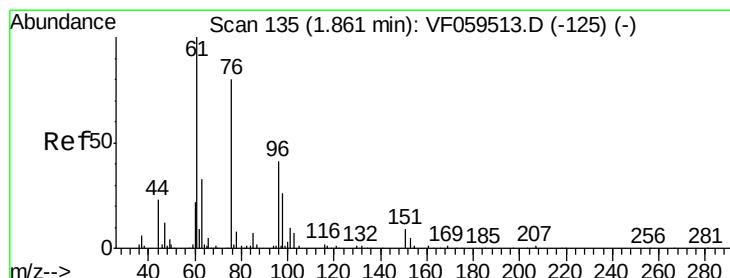
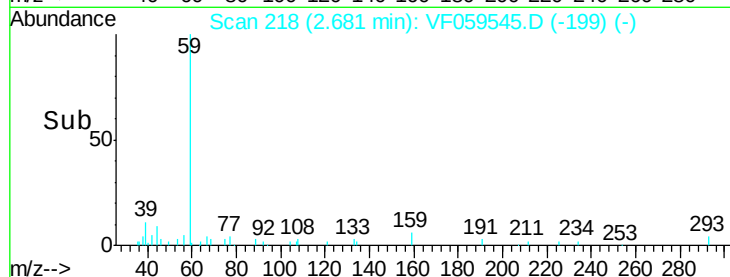
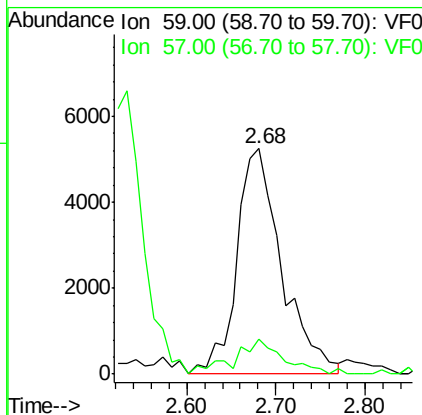
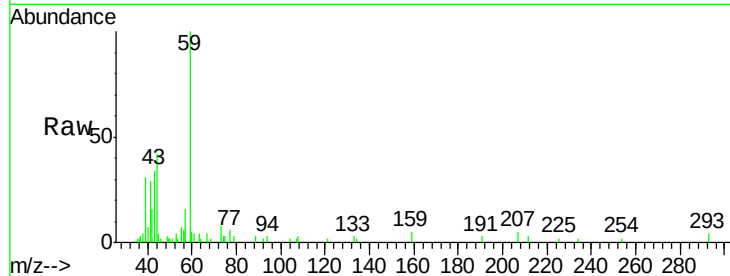
Tert butyl alcohol
Concen: 117.50 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.01 min
Lab File: VF059545.D
Acq: 19 Jul 2018 7:46

Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	15.8	7.7	11.5#

Manual Integrations
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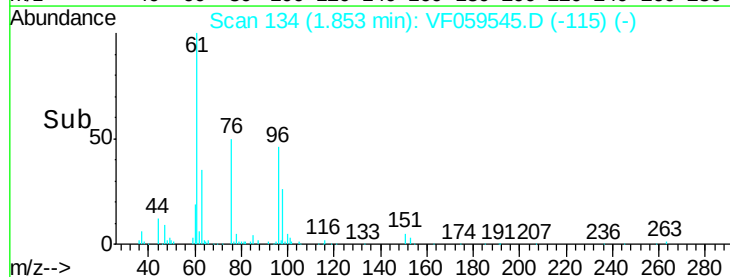
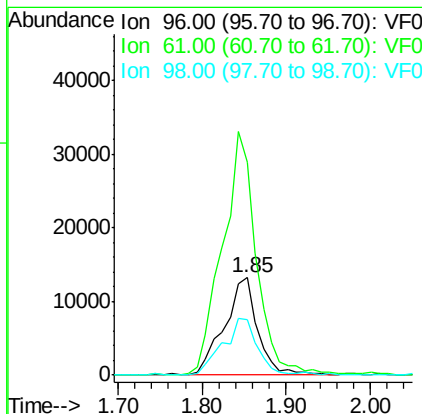
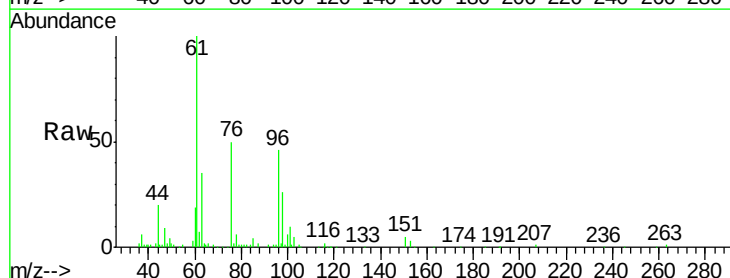
apatel
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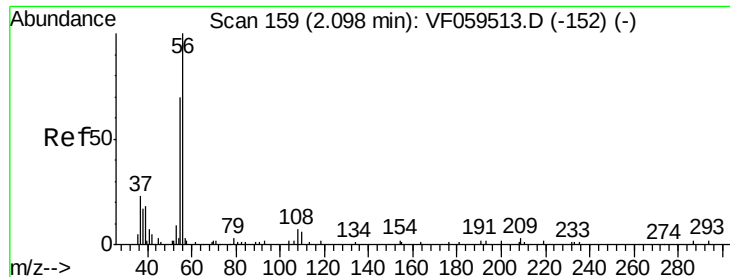


#12

1,1-Dichloroethene
Concen: 21.79 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.01 min
Lab File: VF059545.D
Acq: 19 Jul 2018 7:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	218.5	194.3	291.5
98	56.3	50.3	75.5





#13

Acrolein

Concen: 88.01 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.01 min

Lab File: VF059545.D

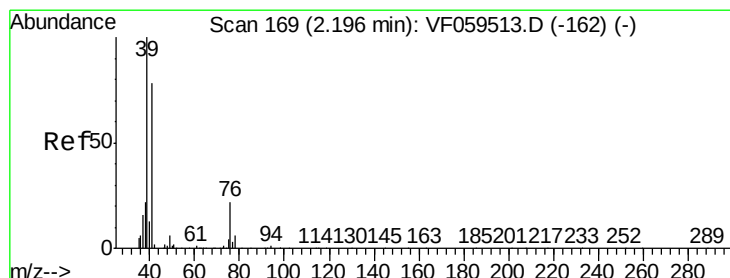
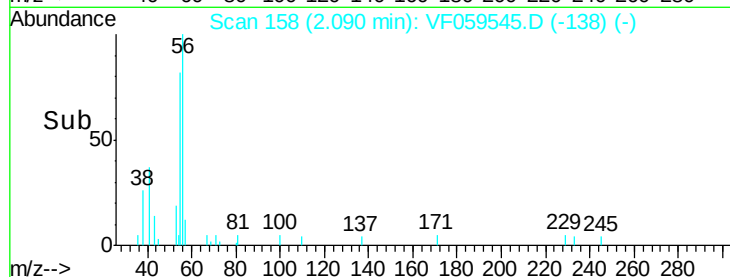
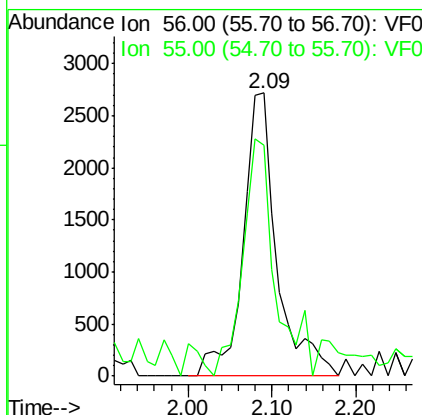
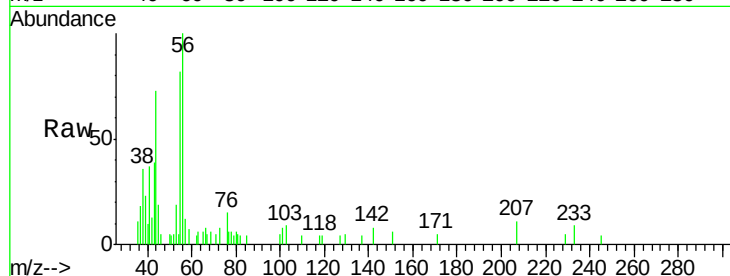
Acq: 19 Jul 2018 7:46

Tot Ion	56	Resp	7623
Ion Ratio	100	Lower	Upper
55	81.8	59.4	89.2

Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS01

Manual Integrations
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#14

Allyl chloride

Concen: 28.38 ug/l

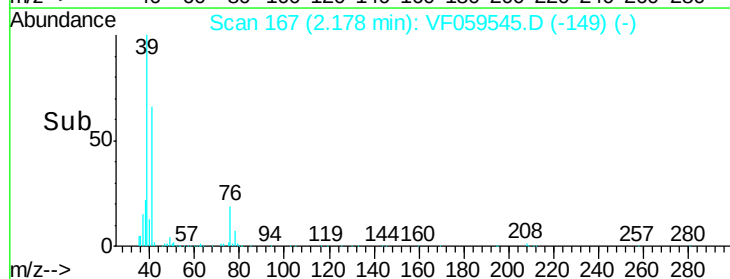
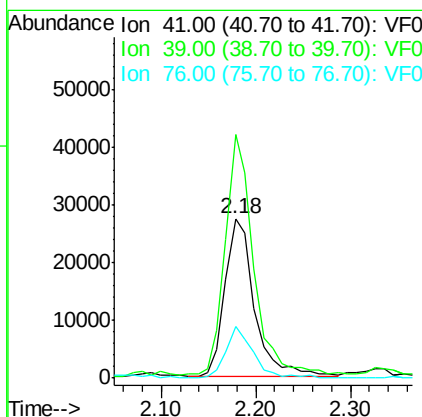
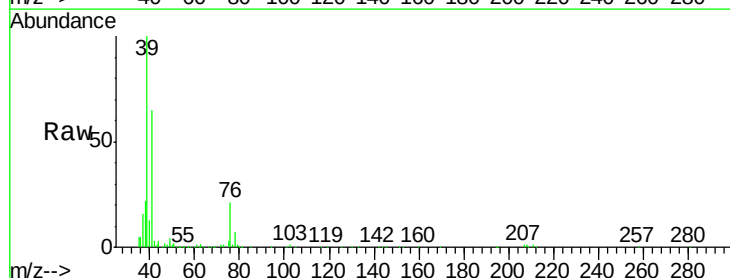
RT: 2.18 min Scan# 167

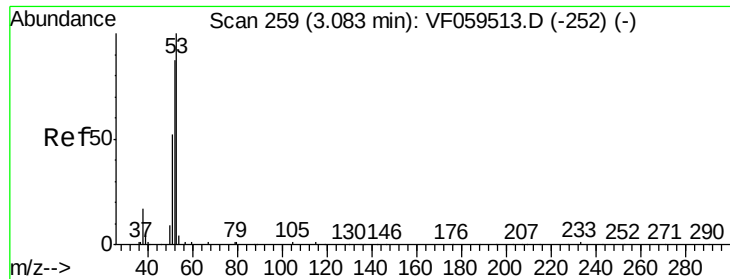
Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Tgt Ion	41	Resp	59765
Ion Ratio	100	Lower	Upper
39	153.0	103.0	154.4
76	32.3	22.6	34.0





#15

Acrylonitrile

Concen: 104.19 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.02 min

Lab File: VF059545.D

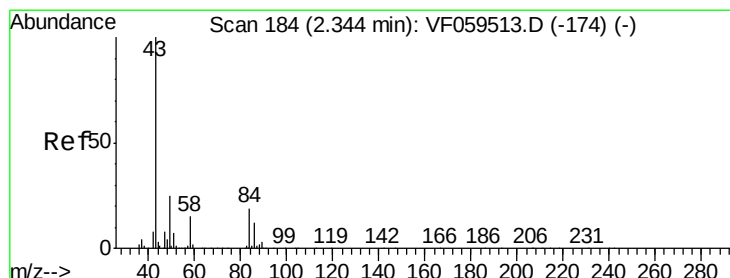
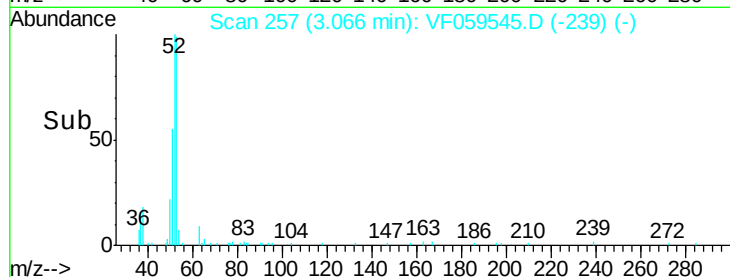
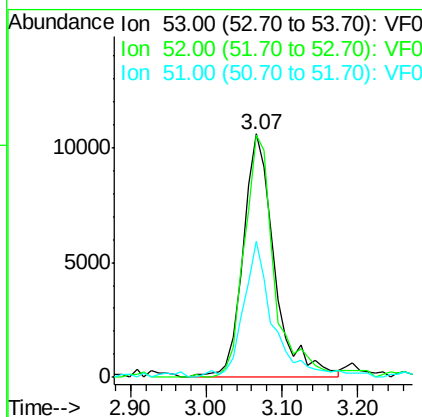
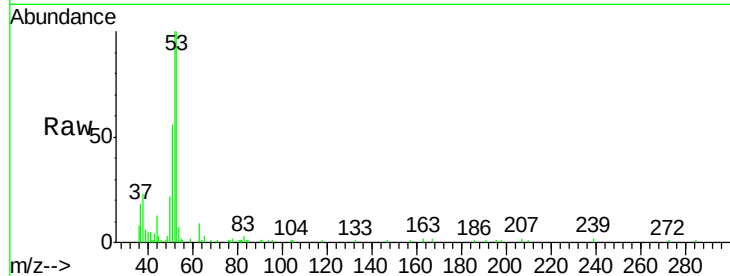
Acq: 19 Jul 2018 7:46

Tot Ion:	53	Resp:	30683
Ion Ratio	Lower	Upper	
53	100		
52	99.8	70.1	105.1
51	56.1	42.5	63.7

Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS01

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#16

Acetone

Concen: 113.03 ug/l

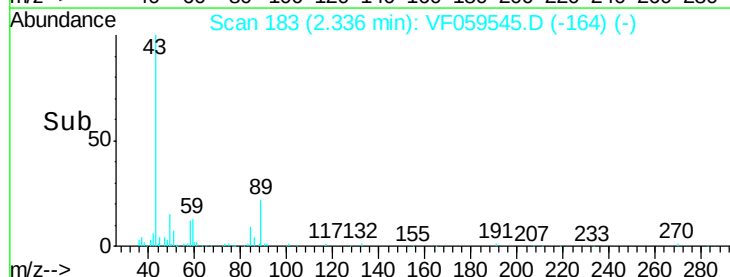
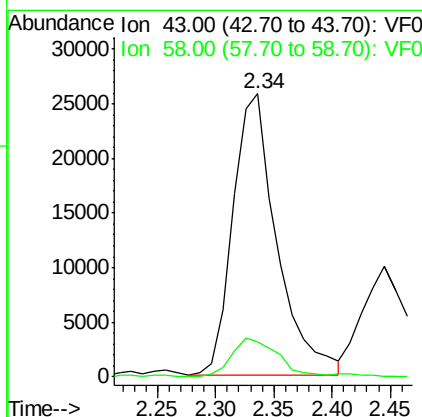
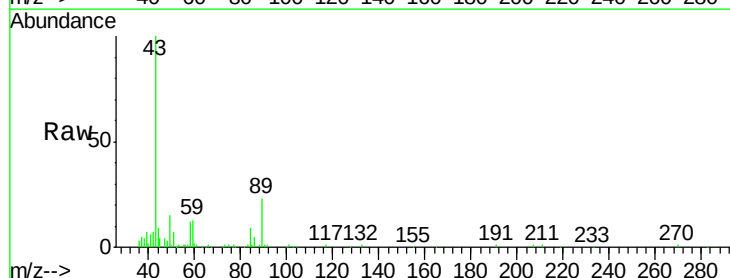
RT: 2.34 min Scan# 183

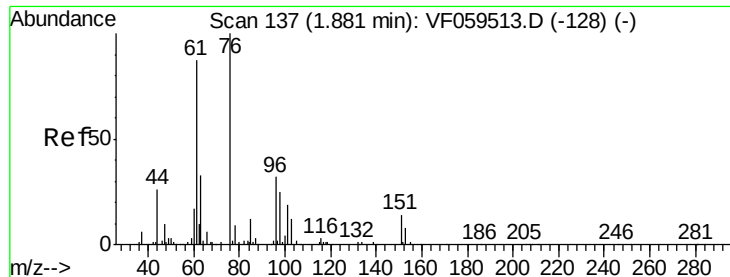
Delta R.T. -0.01 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Tgt Ion:	43	Resp:	67175
Ion Ratio	Lower	Upper	
43	100		
58	12.2	11.8	17.6





#17

Carbon Disulfide

Concen: 21.60 ug/l

RT: 1.83 min Scan# 132

Delta R.T. -0.05 min

Lab File: VF059545.D

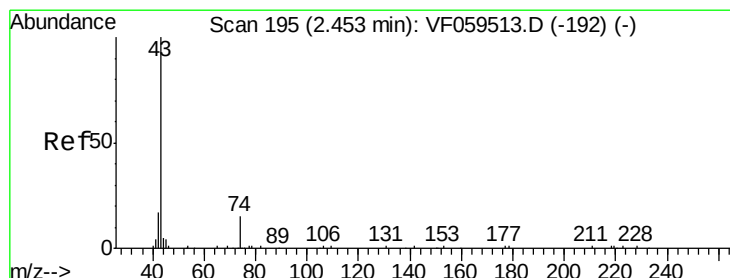
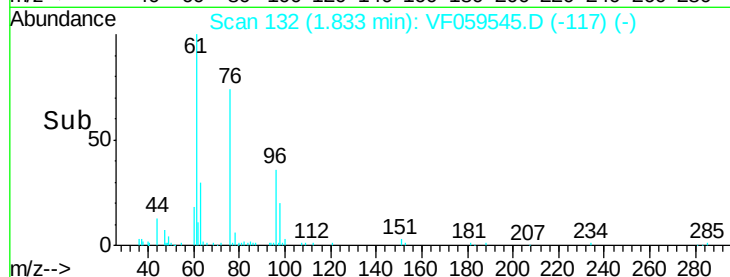
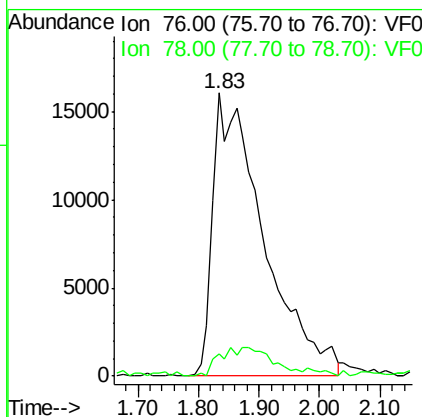
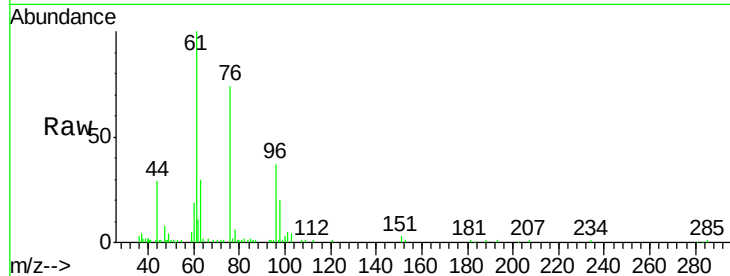
Acq: 19 Jul 2018 7:46

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.0	7.8	11.6

Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS01

Manual Integrations
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#18

Methyl Acetate

Concen: 18.36 ug/l m

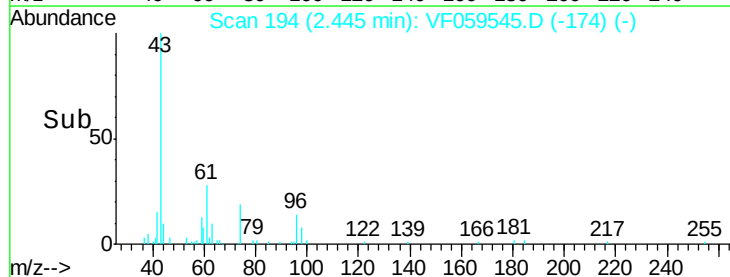
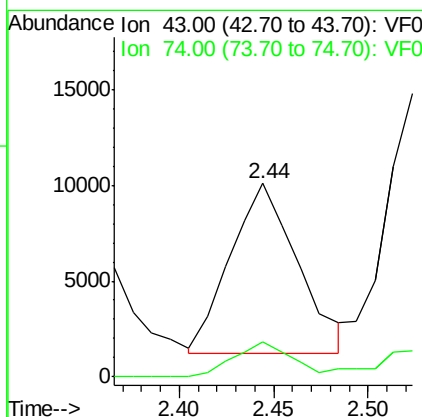
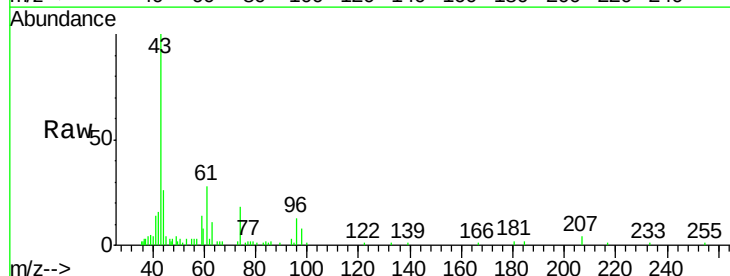
RT: 2.44 min Scan# 194

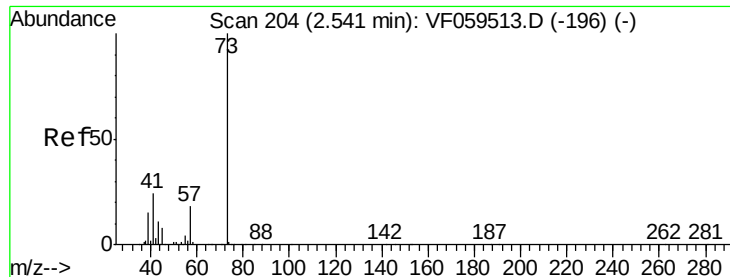
Delta R.T. -0.01 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.2	10.6	15.8#





#19

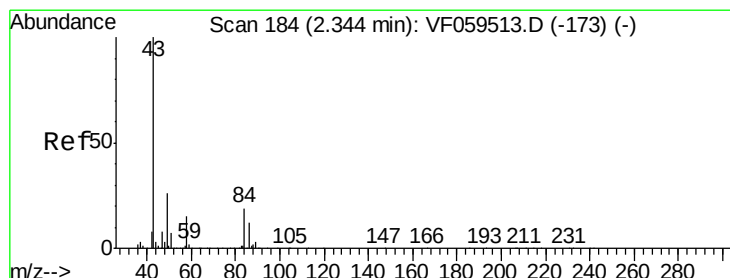
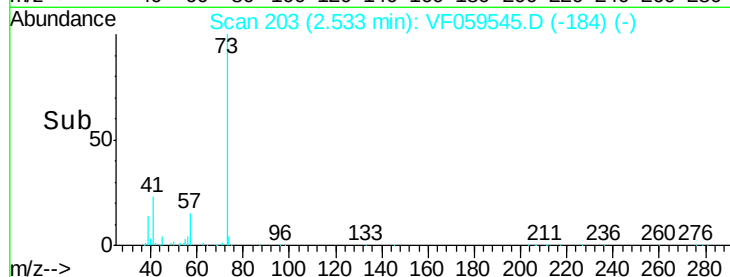
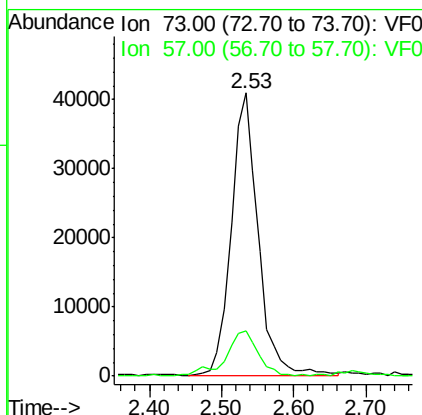
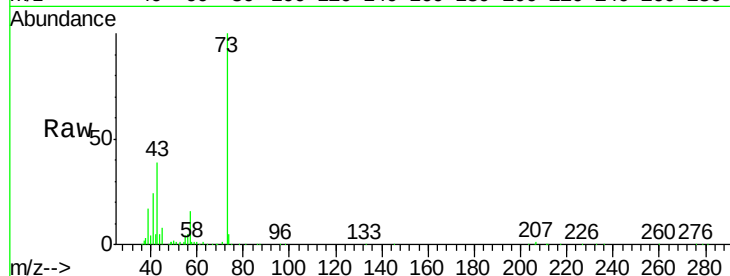
Methyl tert-butyl Ether
 Concen: 20.00 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. -0.01 min
 Lab File: VF059545.D
 Acq: 19 Jul 2018 7:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0719SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.1	14.3	21.5

Manual Integrations
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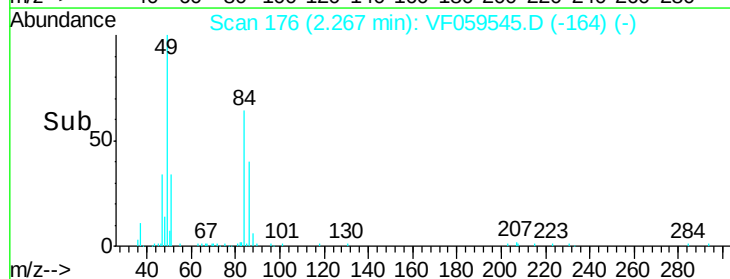
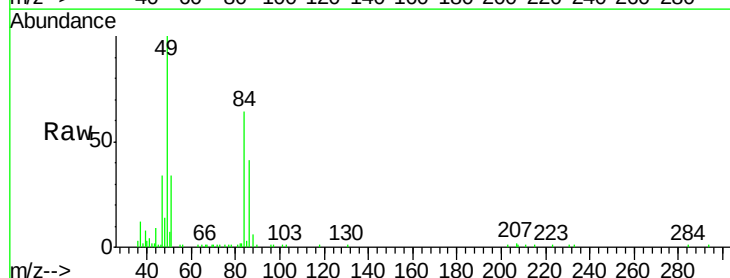
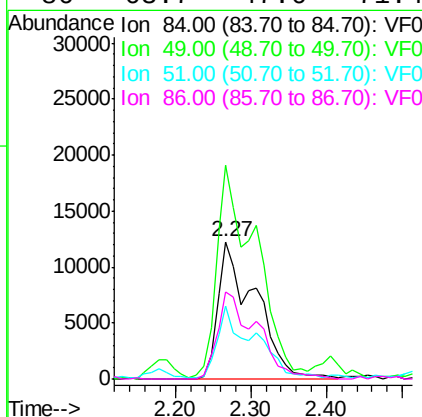
apatel
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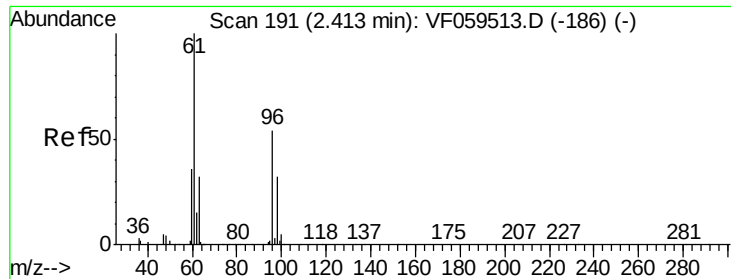


#20

Methylene Chloride
 Concen: 24.39 ug/l
 RT: 2.27 min Scan# 176
 Delta R.T. -0.08 min
 Lab File: VF059545.D
 Acq: 19 Jul 2018 7:46

Tgt Ion	Ratio	Lower	Upper
84	100		
49	155.7	109.4	164.2
51	53.6	30.5	45.7
86	63.7	47.6	71.4





#21

trans-1,2-Dichloroethene

Concen: 22.84 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

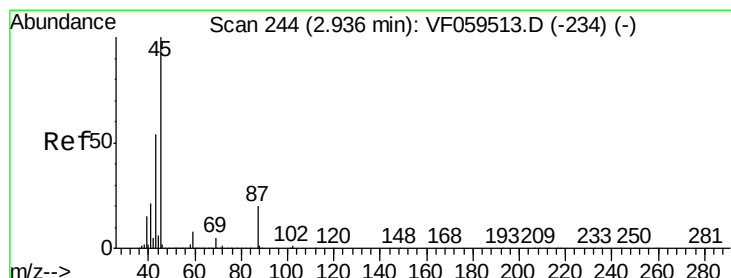
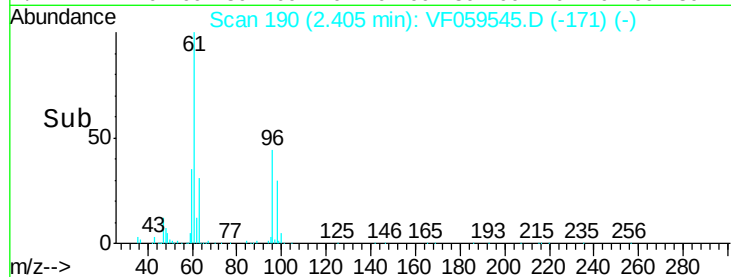
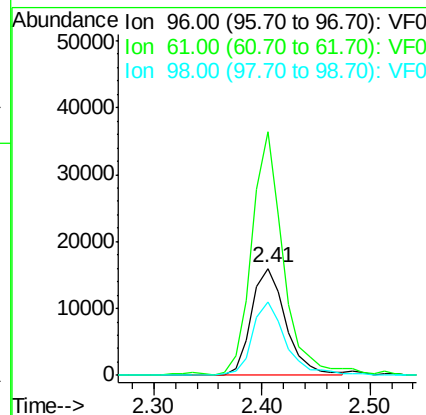
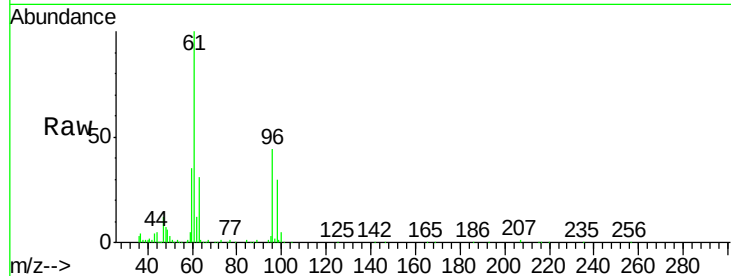
ClientSampleId :

VF0719SBS01

Tot Ion:	96	Resp:	35640
Ion	Ratio	Lower	Upper
96	100		
61	227.5	149.8	224.8#
98	68.8	47.8	71.8

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#22

Diisopropyl ether

Concen: 21.42 ug/l

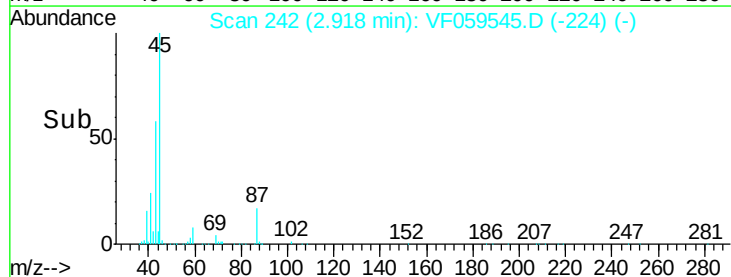
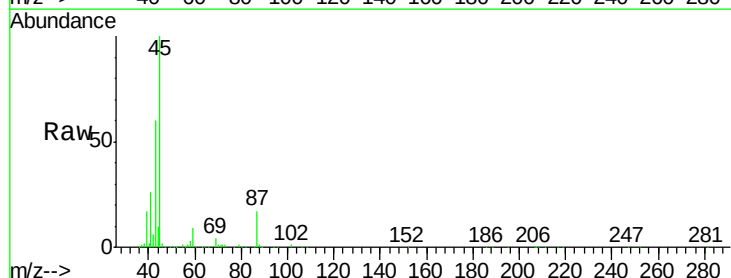
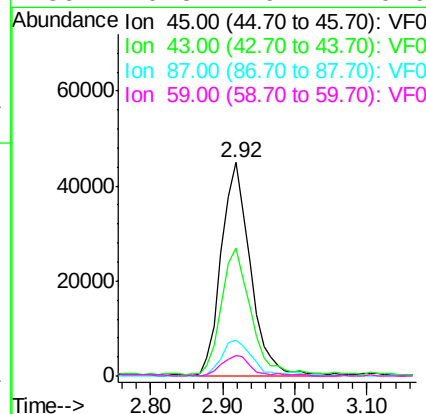
RT: 2.92 min Scan# 242

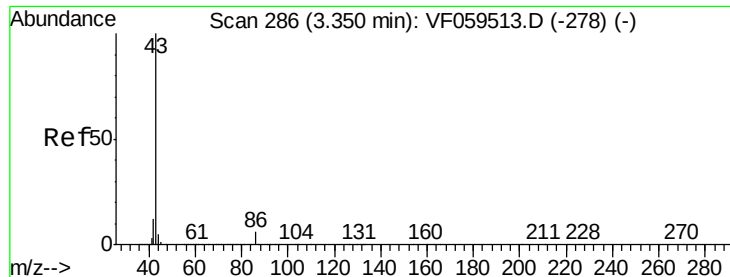
Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Tgt Ion:	45	Resp:	126748
Ion	Ratio	Lower	Upper
45	100		
43	59.7	43.6	65.4
87	16.5	15.6	23.4
59	9.3	6.4	9.6





#23

Vinyl Acetate

Concen: 100.18 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.03 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

Tot Ion: 43 Resp: 346462

Ion Ratio Lower Upper

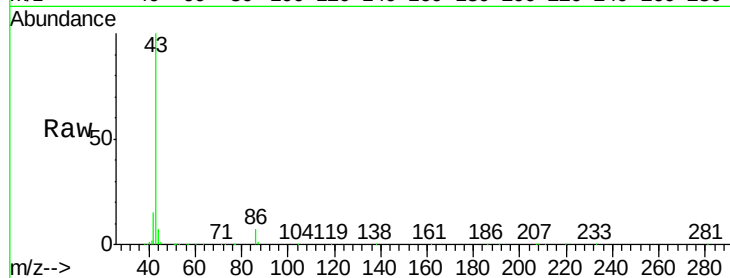
43 100

86 6.6 4.4 6.6

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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

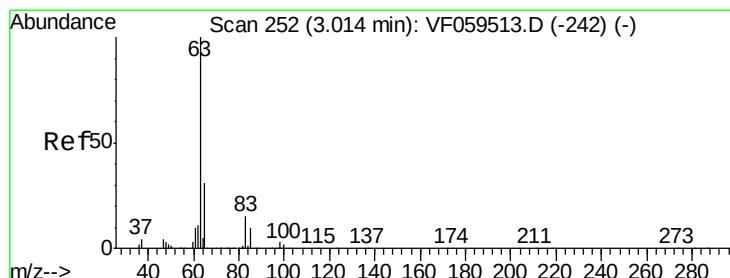
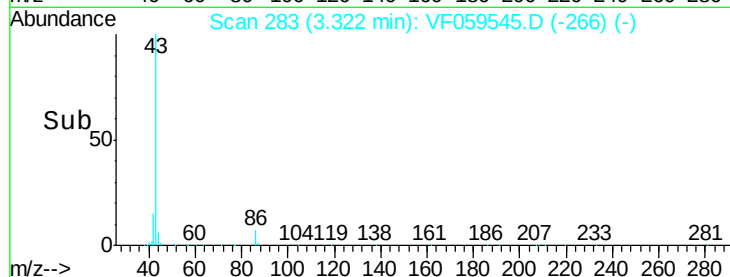
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 25.07 ug/l

RT: 3.00 min Scan# 250

Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

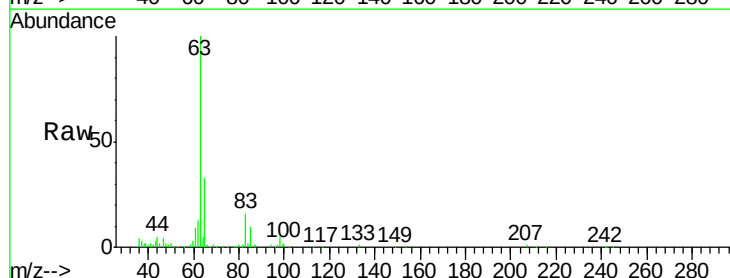
Tgt Ion: 63 Resp: 91627

Ion Ratio Lower Upper

63 100

98 4.6 1.8 5.4

100 2.2 1.3 3.8



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

3.00

40000

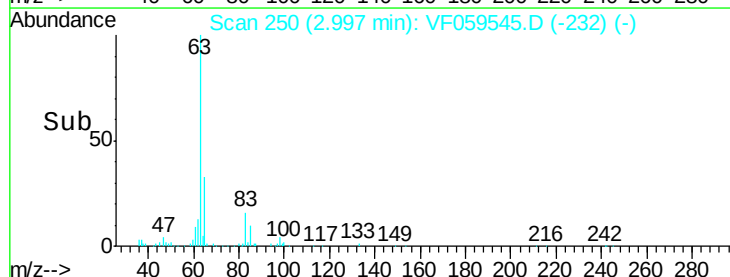
30000

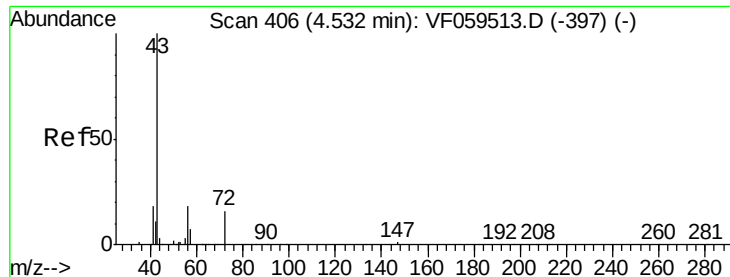
20000

10000

0

Time-->





#25

2-Butanone

Concen: 94.38 ug/l

RT: 4.50 min Scan# 403

Delta R.T. -0.03 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

Tot Ion: 43 Resp: 76911

Ion Ratio Lower Upper

43 100

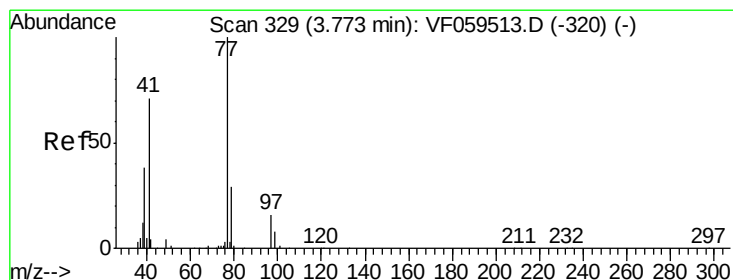
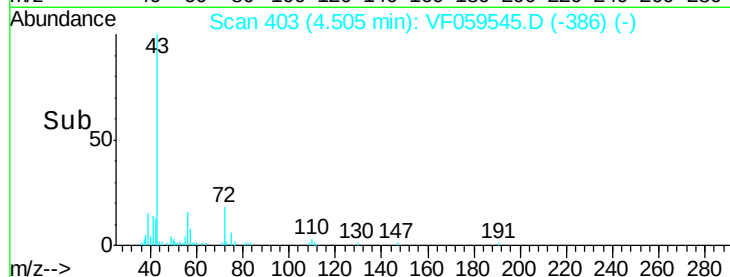
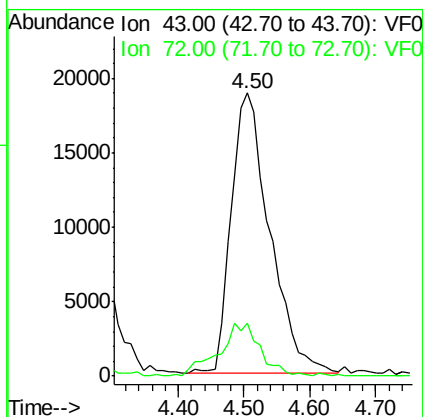
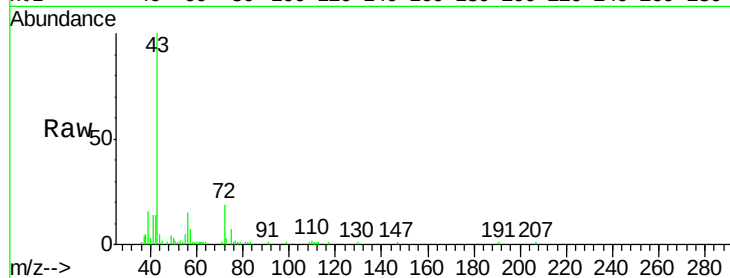
72 18.7 14.2 21.4

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#26

2,2-Dichloropropane

Concen: 24.57 ug/l

RT: 3.76 min Scan# 327

Delta R.T. -0.02 min

Lab File: VF059545.D

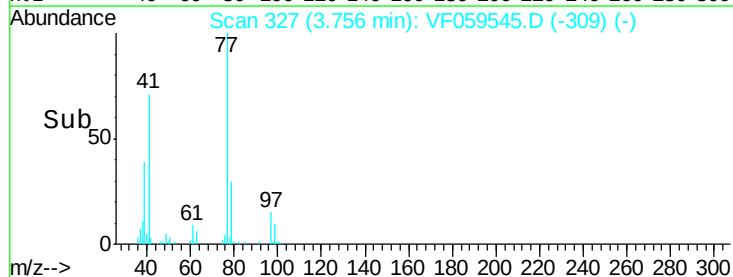
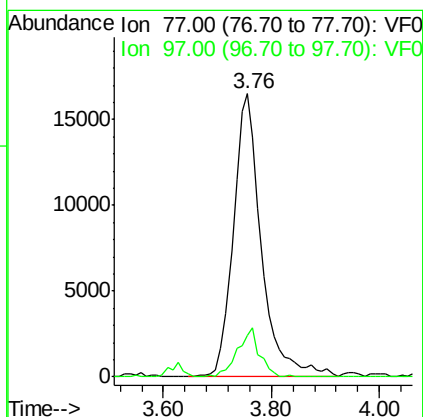
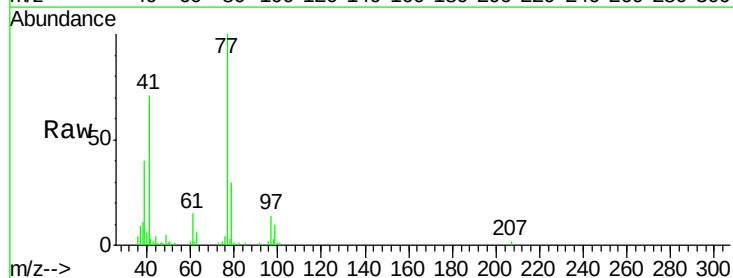
Acq: 19 Jul 2018 7:46

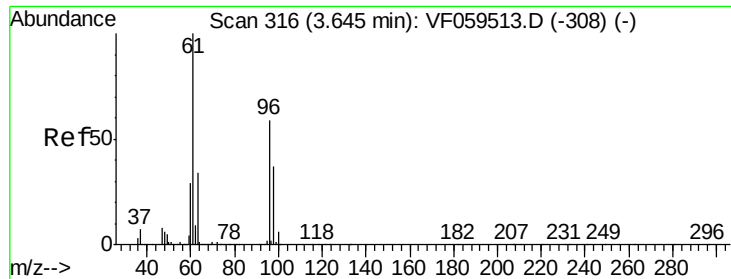
Tgt Ion: 77 Resp: 59412

Ion Ratio Lower Upper

77 100

97 14.4 8.1 24.3





#27

cis-1,2-Dichloroethene

Concen: 25.20 ug/l

RT: 3.62 min Scan# 313

Delta R.T. -0.03 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

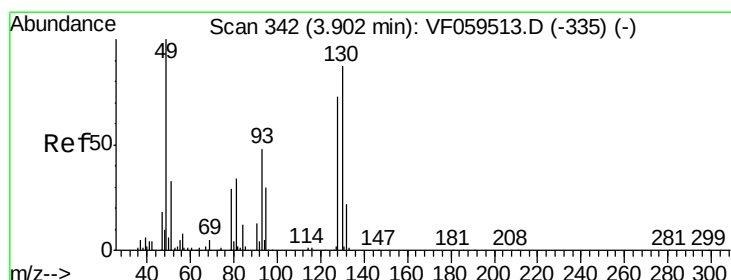
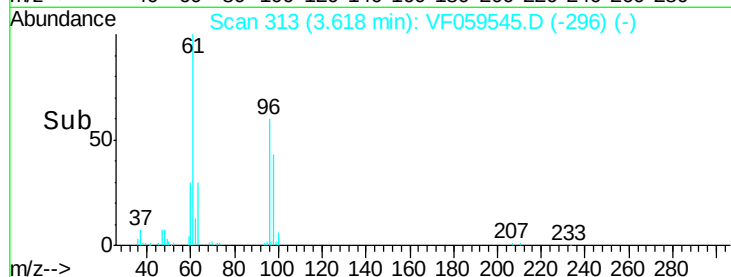
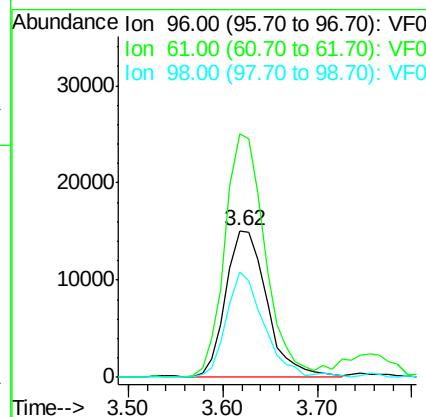
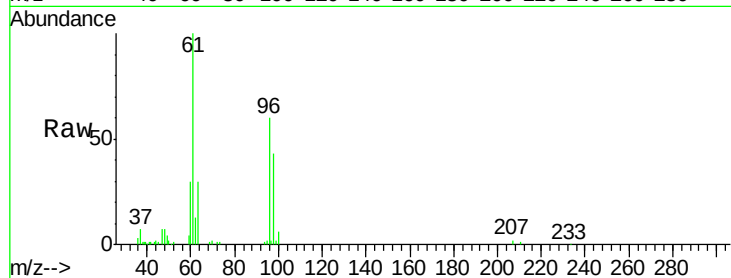
ClientSampleId :

VF0719SBS01

Tot Ion:	96	Resp:	45753
Ion Ratio	Lower	Upper	
96	100		
61	166.1	0.0	339.0
98	71.8	0.0	125.4

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#28

Bromochloromethane

Concen: 21.74 ug/l

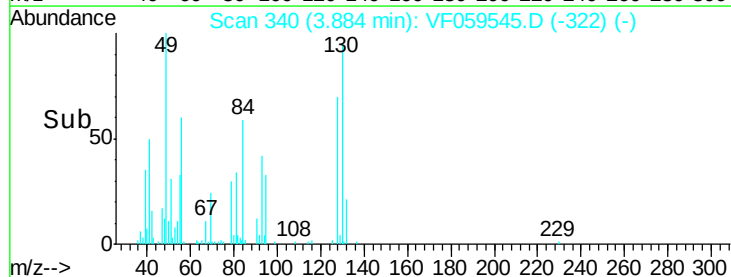
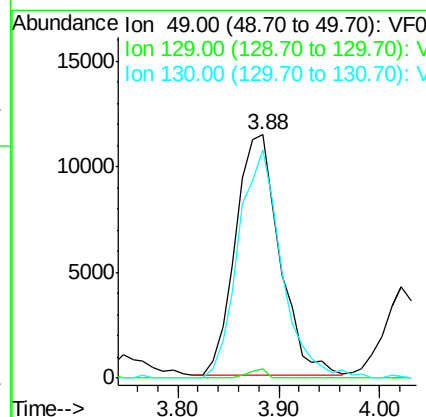
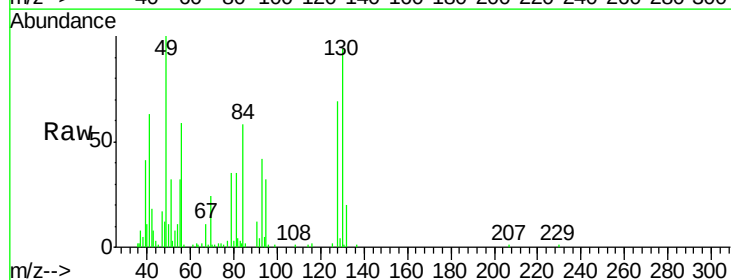
RT: 3.88 min Scan# 340

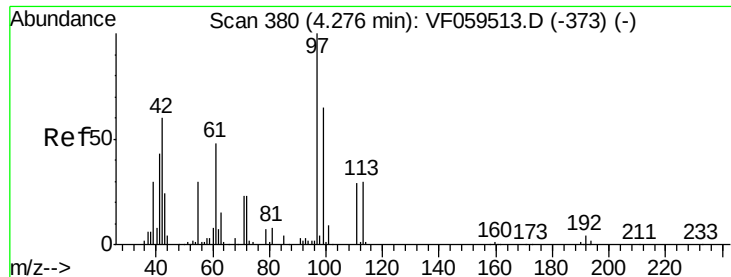
Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Tgt Ion:	49	Resp:	34968
Ion Ratio	Lower	Upper	
49	100		
129	3.6	0.0	0.0#
130	94.9	69.8	104.6





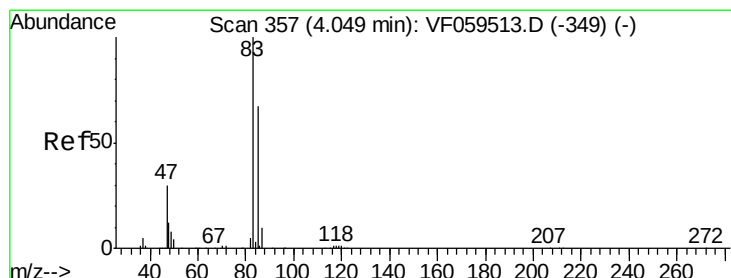
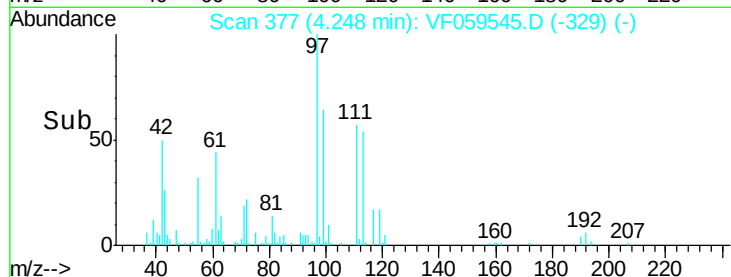
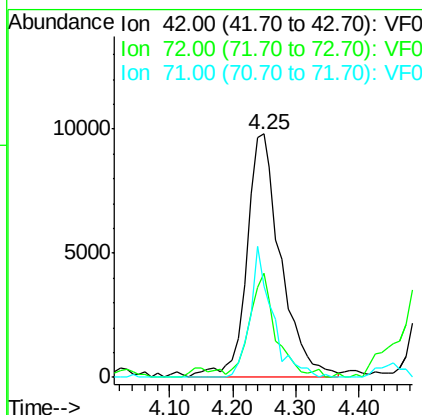
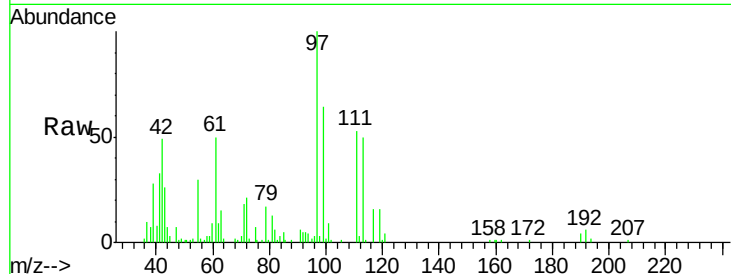
#29
Tetrahydrofuran
Concen: 98.28 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.03 min
Lab File: VF059545.D
Acq: 19 Jul 2018 7:46

Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	30.1	28.7	43.1
71	35.3	30.8	46.2

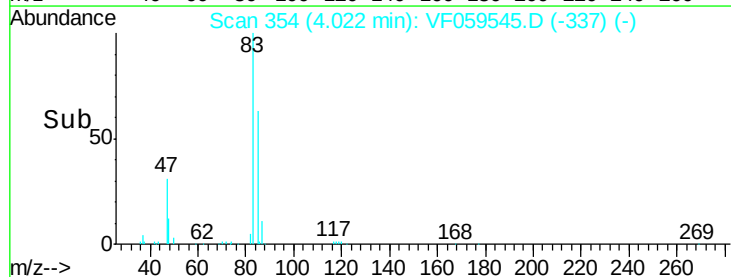
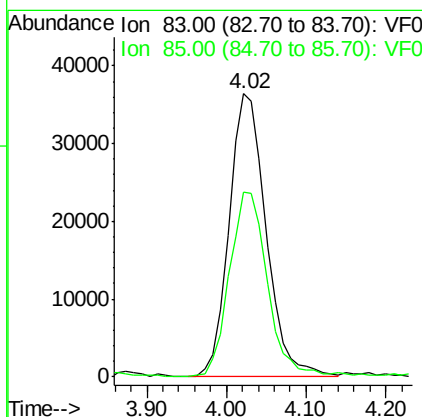
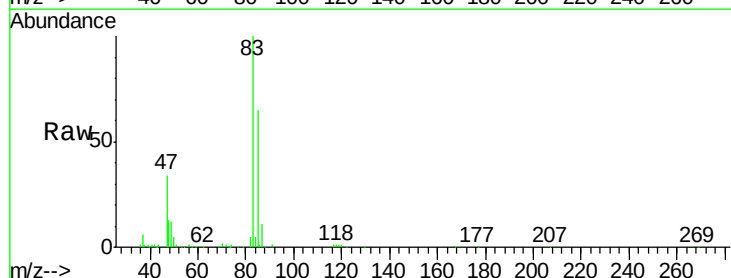
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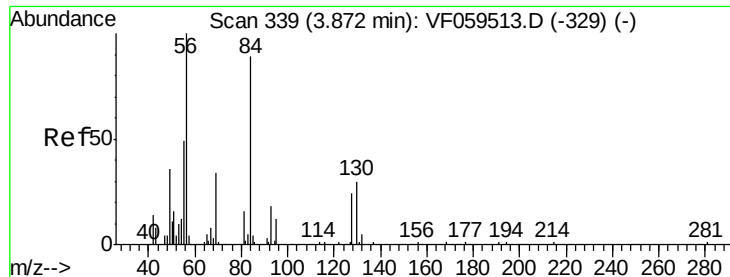
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#30
Chloroform
Concen: 22.34 ug/l
RT: 4.02 min Scan# 354
Delta R.T. -0.03 min
Lab File: VF059545.D
Acq: 19 Jul 2018 7:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	53.2	79.8





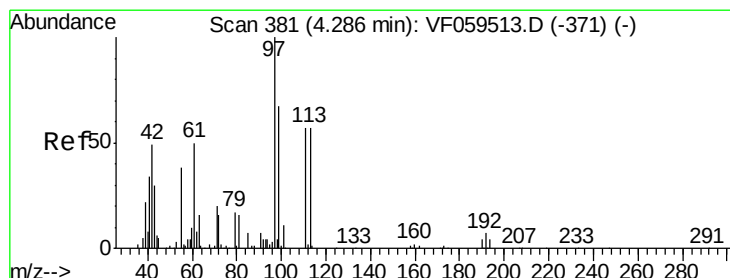
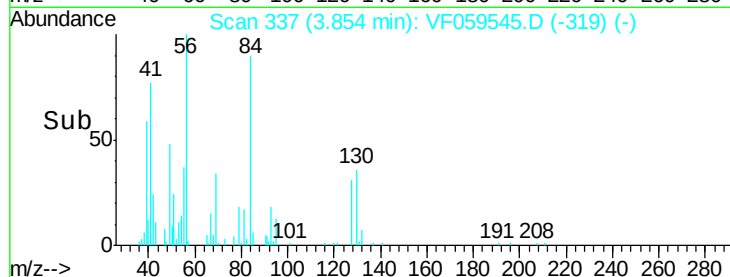
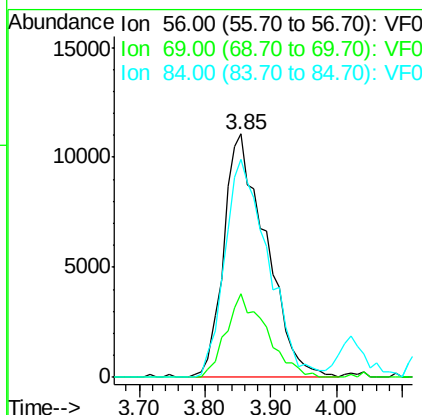
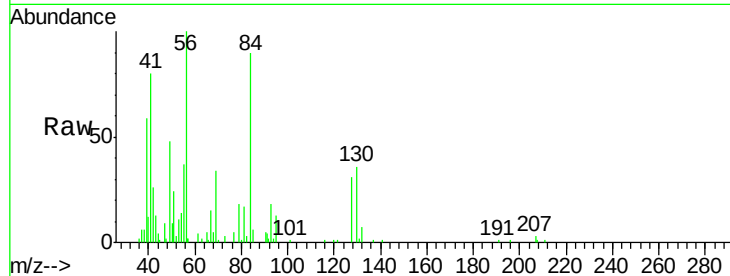
#31
Cyclohexane
Concen: 26.25 ug/l
RT: 3.85 min Scan# 337
Delta R.T. -0.02 min
Lab File: VF059545.D
Acq: 19 Jul 2018 7:46

Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.2	27.6	41.4
84	89.7	71.4	107.2

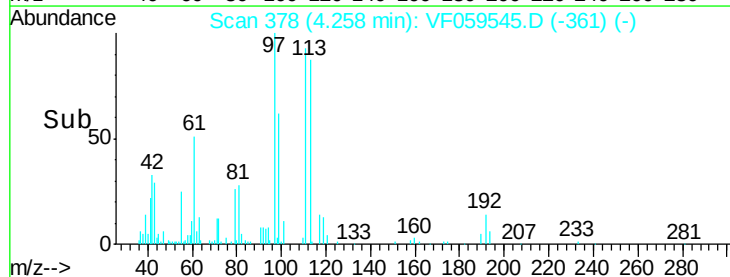
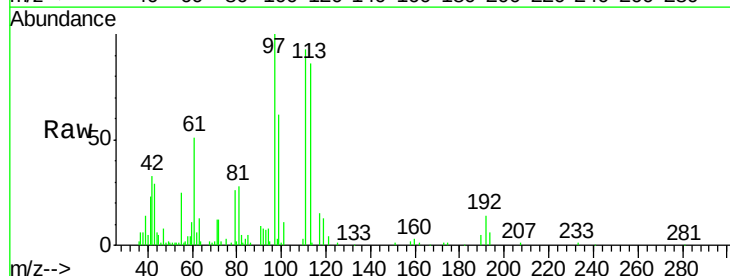
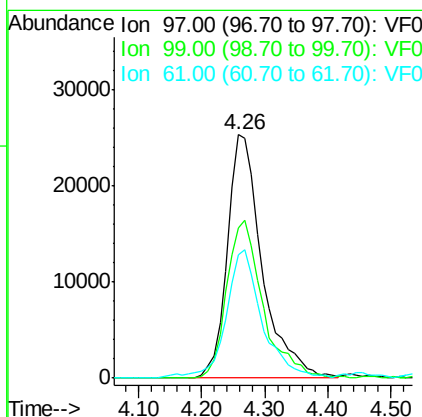
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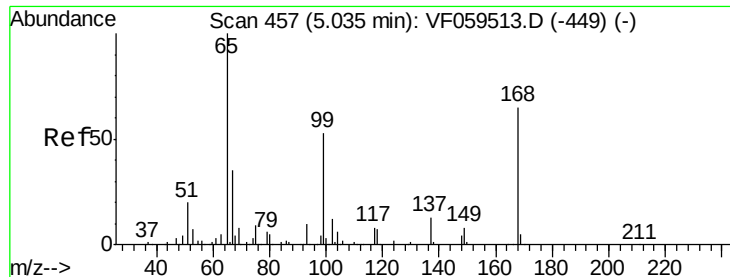
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#32
1,1,1-Trichloroethane
Concen: 28.23 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.03 min
Lab File: VF059545.D
Acq: 19 Jul 2018 7:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.6	53.5	80.3
61	50.6	39.7	59.5





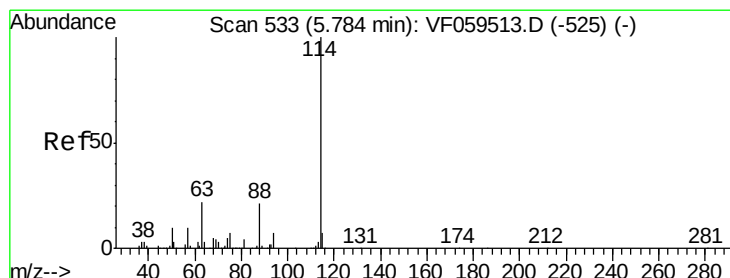
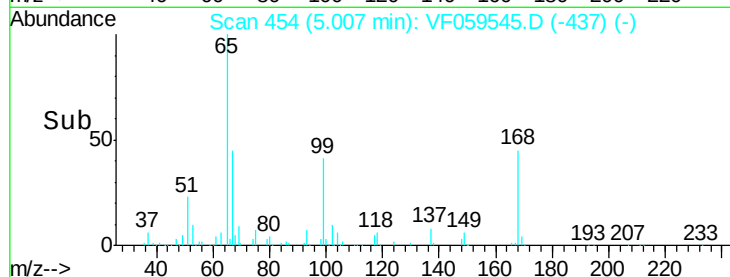
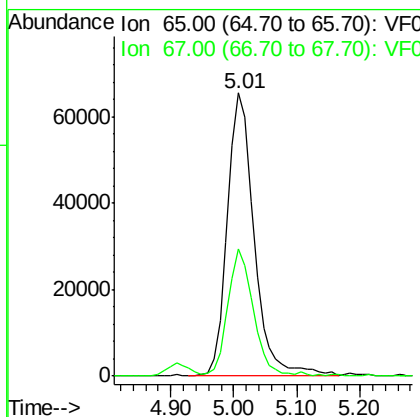
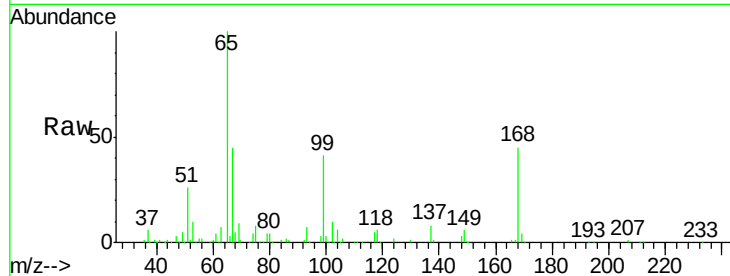
#33
 1,2-Dichloroethane-d4
 Concen: 54.61 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.03 min
 Lab File: VF059545.D
 Acq: 19 Jul 2018 7:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0719SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	191682		
67	44.9	0.0	91.2	

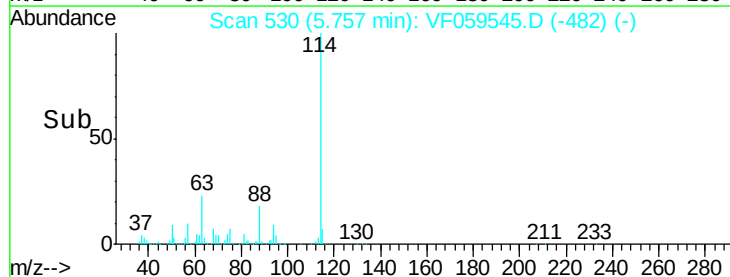
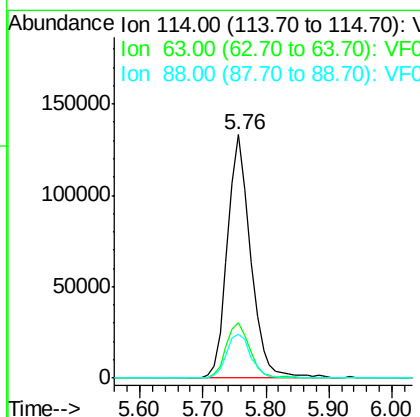
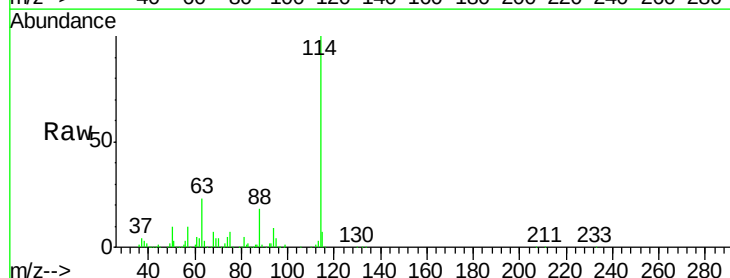
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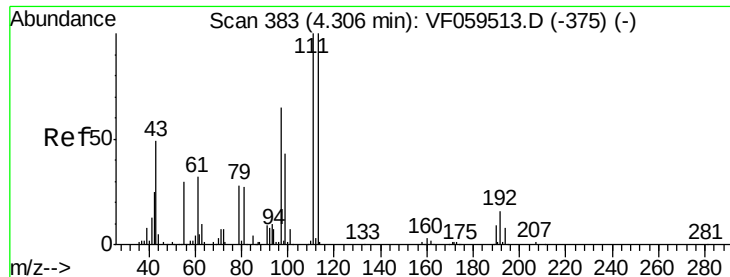
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.03 min
 Lab File: VF059545.D
 Acq: 19 Jul 2018 7:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	340559		
63	22.7	0.0	44.8	
88	18.1	0.0	42.6	





#35

Dibromofluoromethane

Concen: 50.81 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.03 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

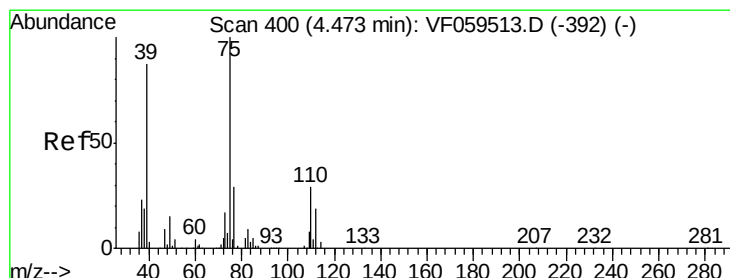
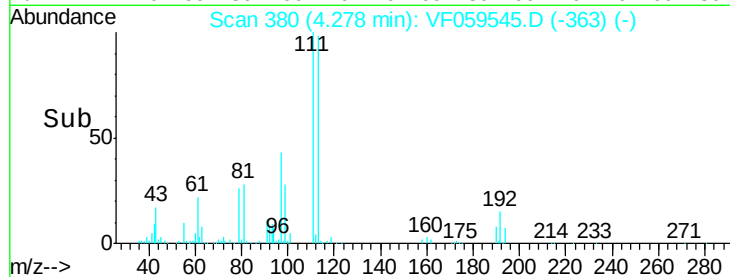
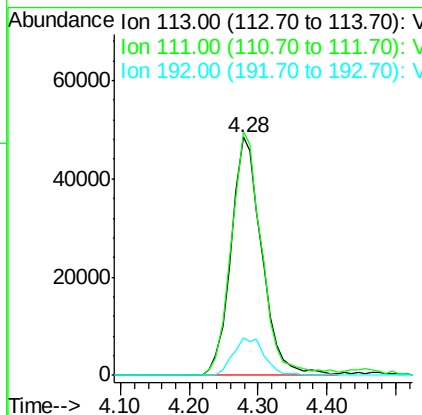
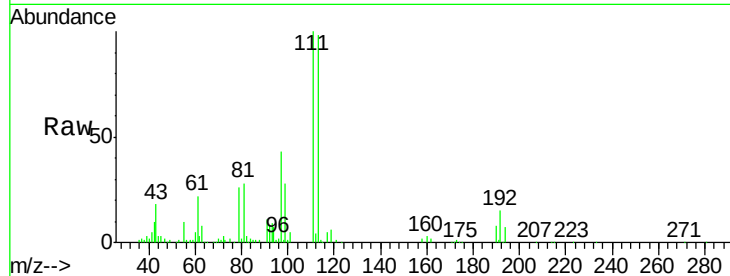
ClientSampleId :

VF0719SBS01

Tot Ion:	113	Resp:	149857
Ion Ratio	Lower	Upper	
113	100		
111	102.1	80.3	120.5
192	15.5	13.1	19.7

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#36

1,1-Dichloropropene

Concen: 21.99 ug/l

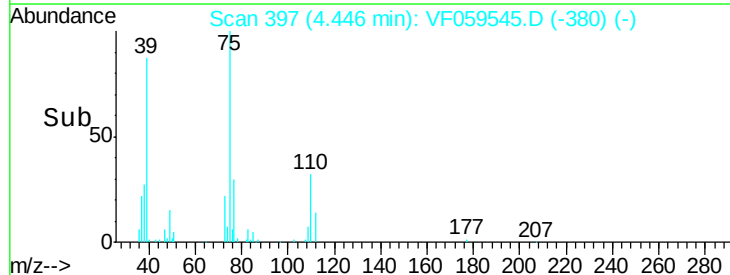
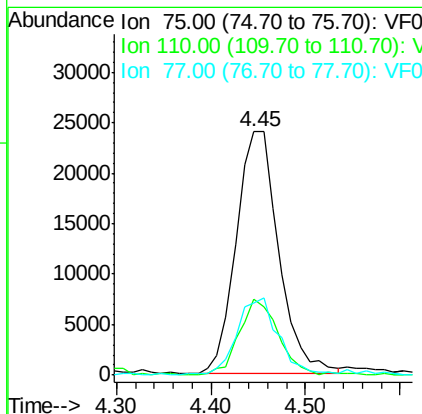
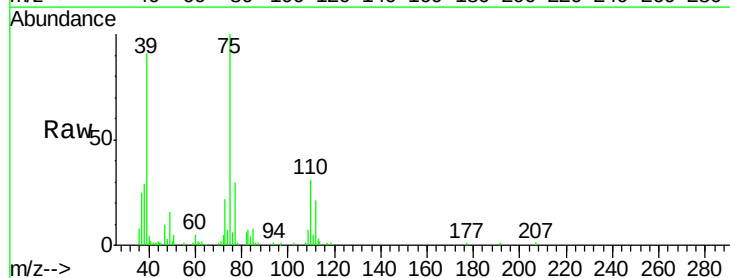
RT: 4.45 min Scan# 397

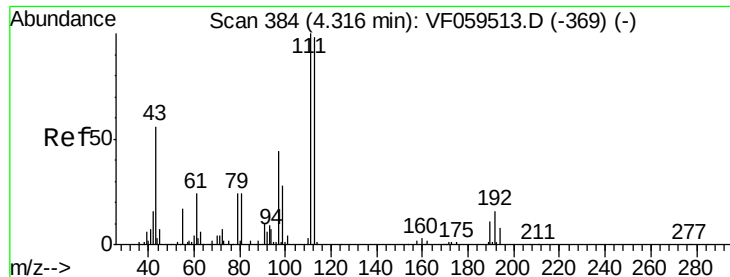
Delta R.T. -0.03 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Tgt Ion:	75	Resp:	74952
Ion Ratio	Lower	Upper	
75	100		
110	31.3	14.6	43.8
77	29.5	23.7	35.5





#37

Ethyl Acetate

Concen: 19.46 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.05 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

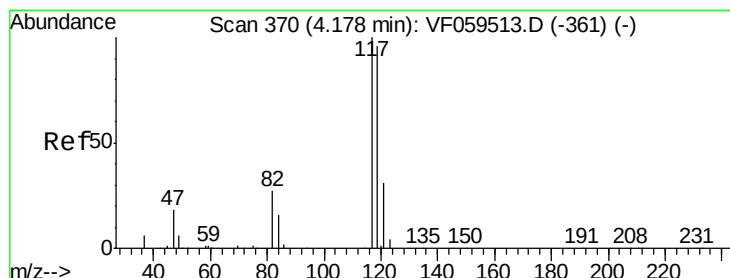
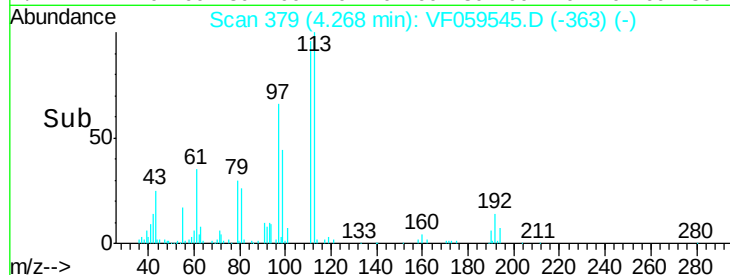
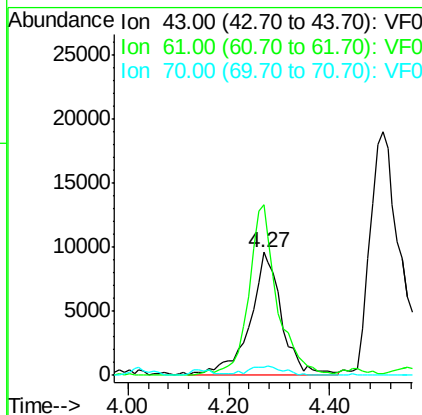
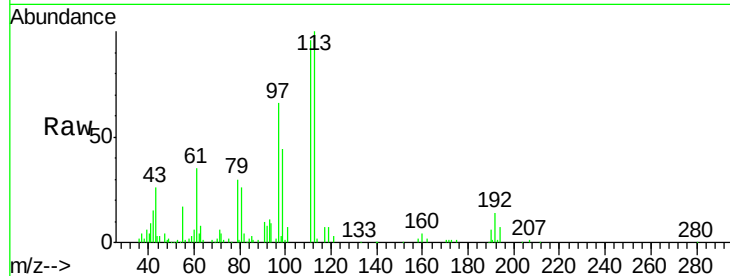
ClientSampleId :

VF0719SBS01

Tot Ion:	43	Resp:	42162
Ion	Ratio	Lower	Upper
43	100		
61	138.8	33.7	50.5#
70	6.2	7.4	11.0#

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#38

Carbon Tetrachloride

Concen: 27.59 ug/l m

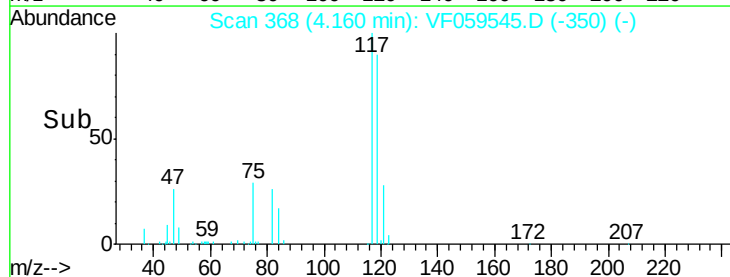
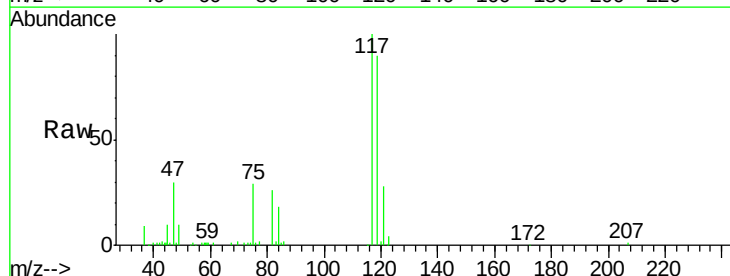
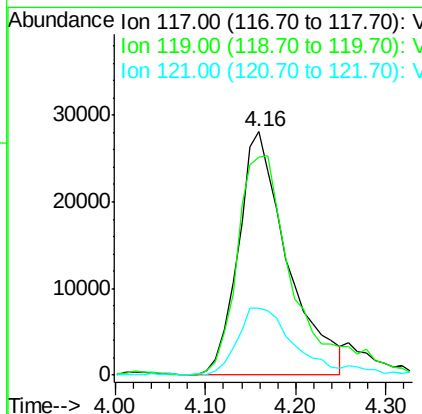
RT: 4.16 min Scan# 368

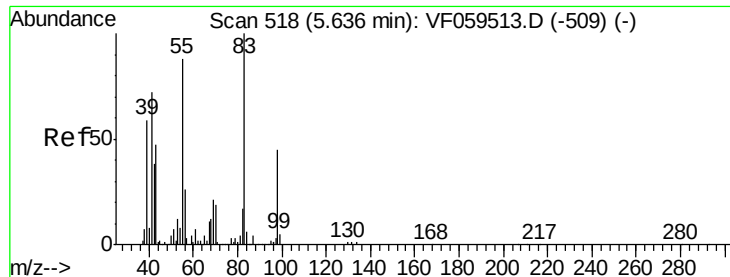
Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Tgt Ion:	117	Resp:	107781
Ion	Ratio	Lower	Upper
117	100		
119	89.6	77.6	116.4
121	27.6	24.9	37.3





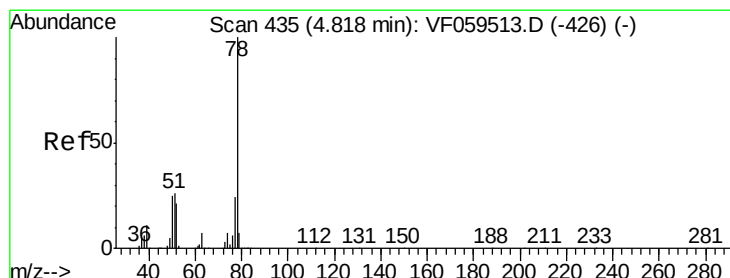
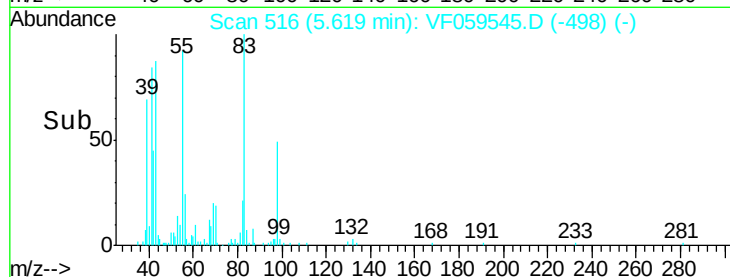
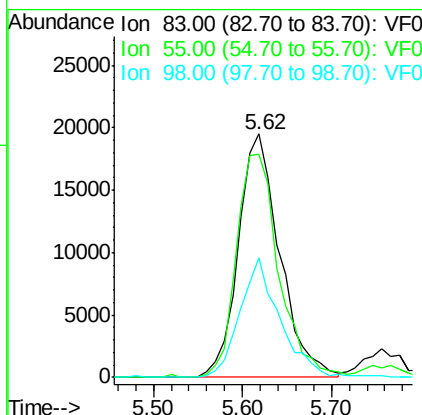
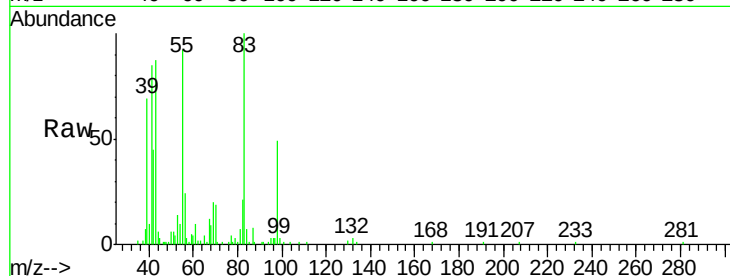
#39
Methylvlcyclohexane
Concen: 24.28 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF059545.D
Acq: 19 Jul 2018 7:46

Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.6	70.2	105.4
98	49.2	36.2	54.2

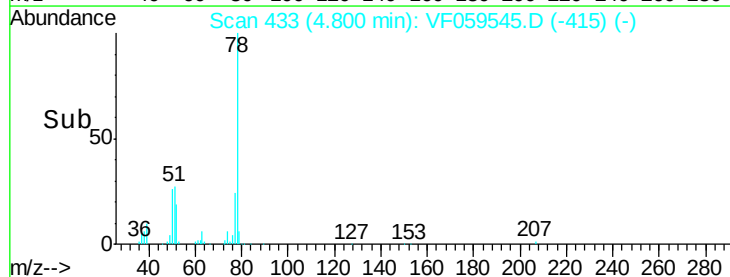
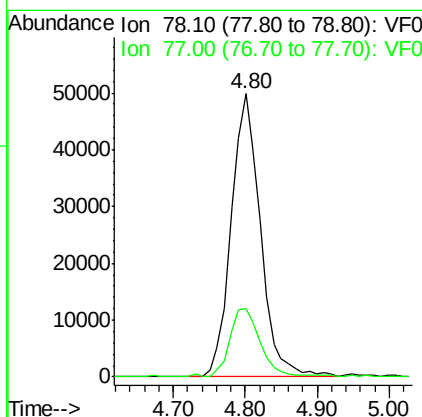
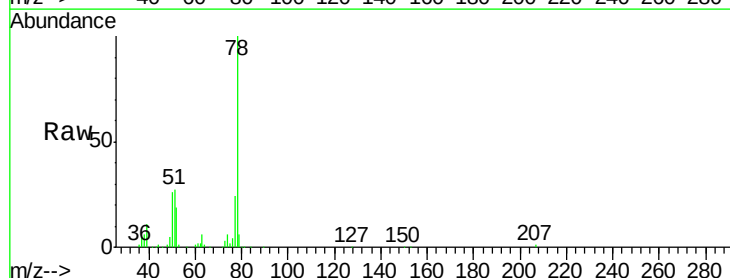
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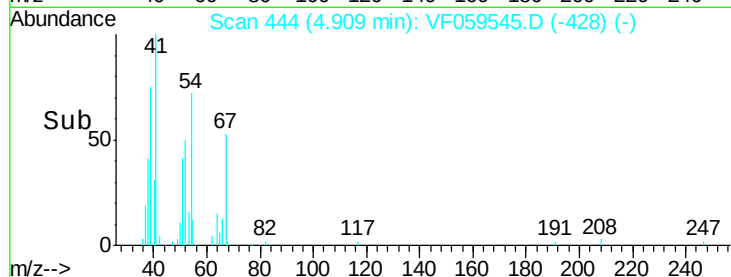
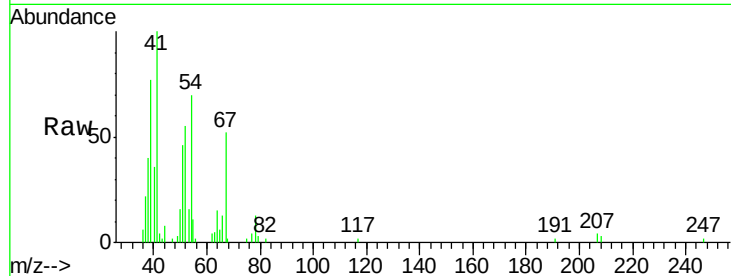
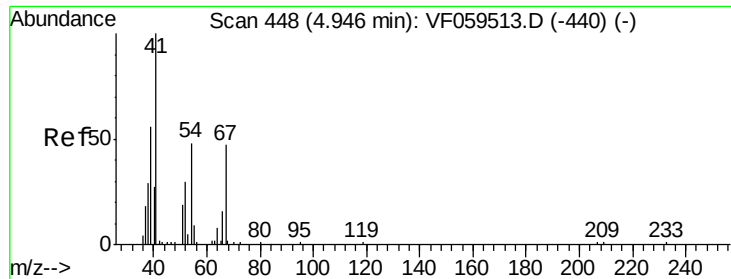
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#40
Benzene
Concen: 21.37 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.02 min
Lab File: VF059545.D
Acq: 19 Jul 2018 7:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.4	29.0





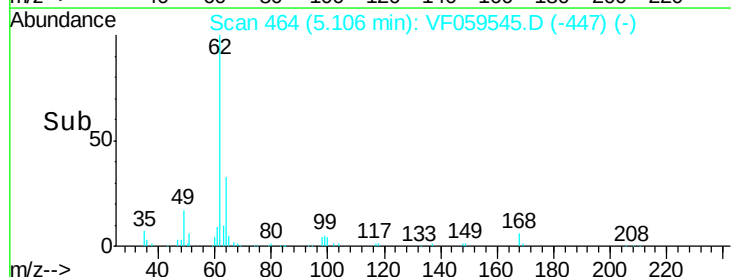
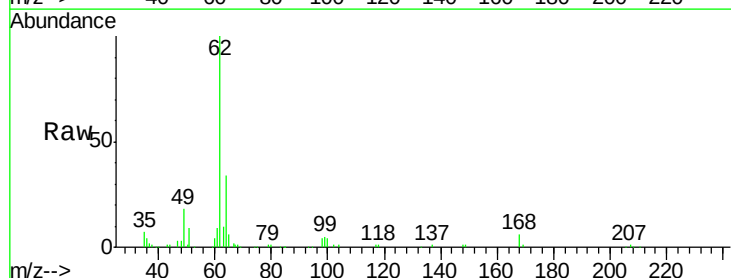
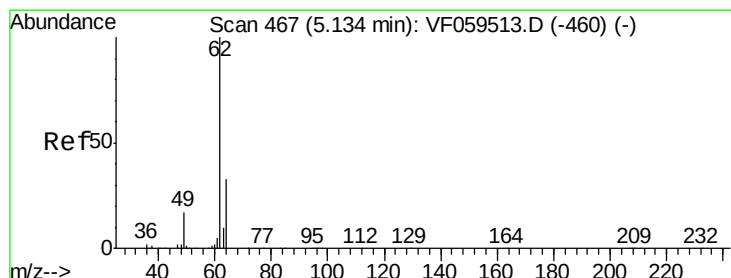
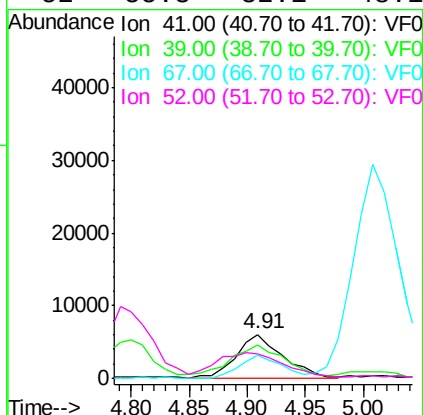
#41
Methacrylonitrile
Concen: 17.06 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.04 min
Lab File: VF059545.D
Acq: 19 Jul 2018 7:46

Tot Ion	Ratio	Lower	Upper
41	100		
39	77.1	49.4	74.0#
67	52.1	37.4	56.2
52	55.3	32.1	48.1#

Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS01

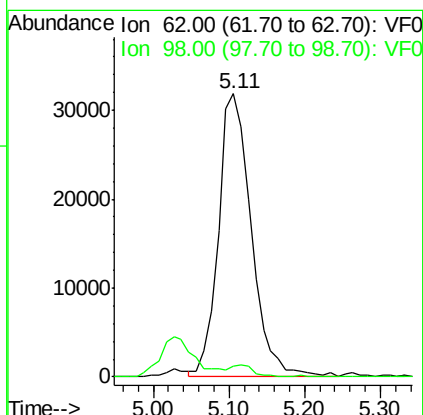
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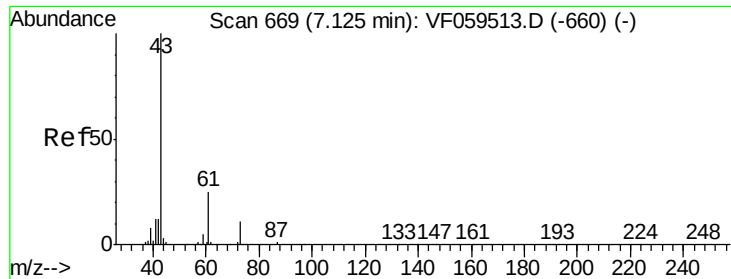
apatel
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#42
1,2-Dichloroethane
Concen: 22.12 ug/l
RT: 5.11 min Scan# 464
Delta R.T. -0.03 min
Lab File: VF059545.D
Acq: 19 Jul 2018 7:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	3.8	0.0	9.6





#43

Isopropyl Acetate

Concen: 18.36 ug/l

RT: 7.11 min Scan# 667

Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

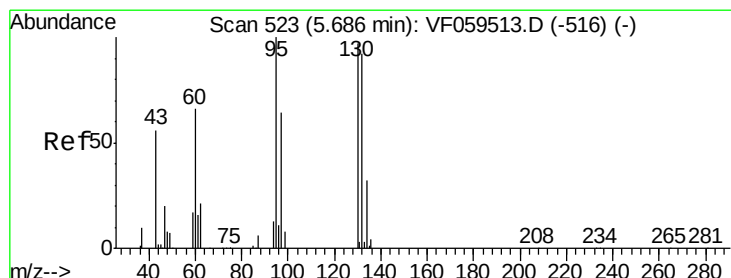
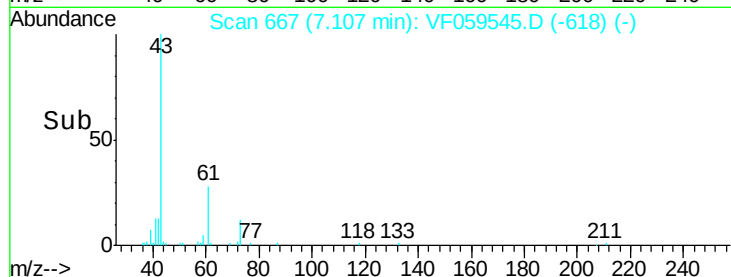
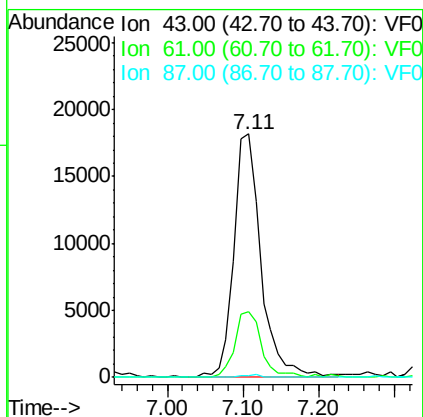
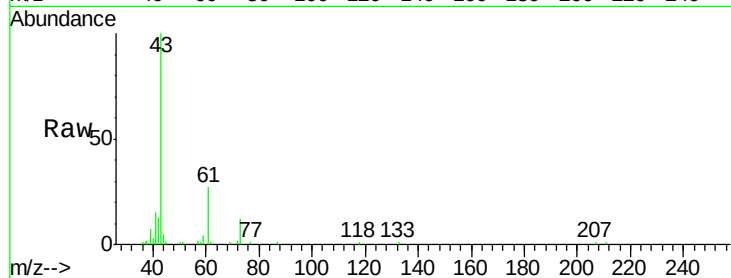
ClientSampleId :

VF0719SBS01

Tot Ion:	43	Resp:	44969
Ion Ratio	Lower	Upper	
43	100		
61	27.0	20.3	30.5
87	0.9	0.4	0.6

Manual Integrations
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#44

Trichloroethene

Concen: 21.87 ug/l

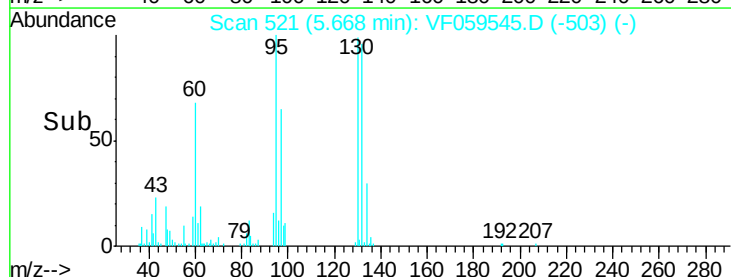
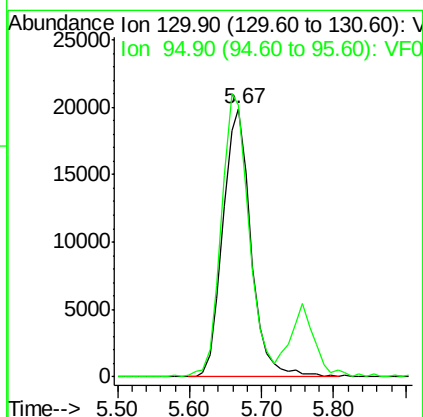
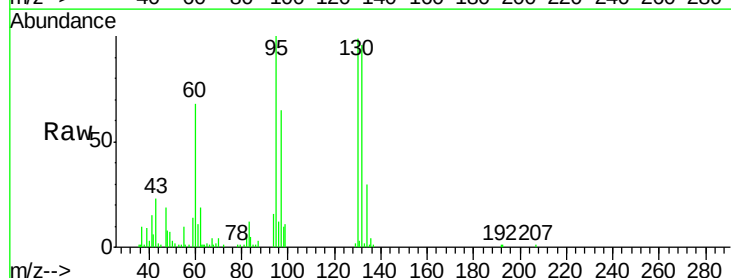
RT: 5.67 min Scan# 521

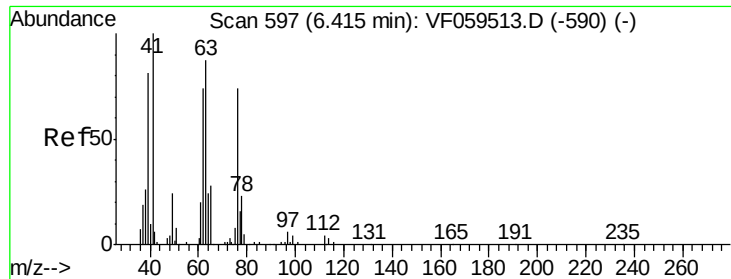
Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Tgt Ion:	130	Resp:	53534
Ion Ratio	Lower	Upper	
130	100		
95	101.5	0.0	206.6





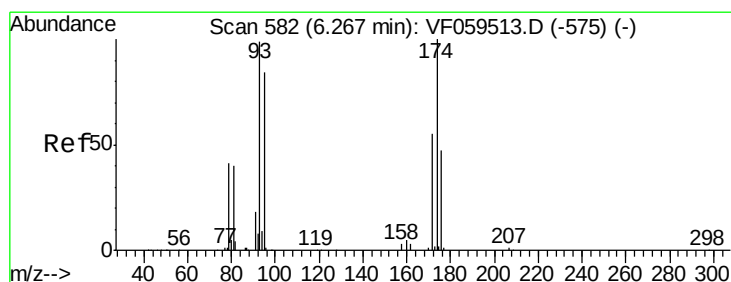
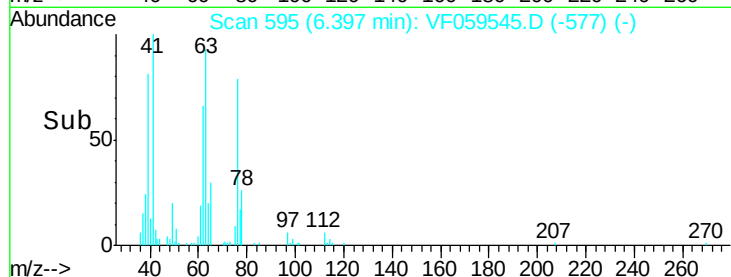
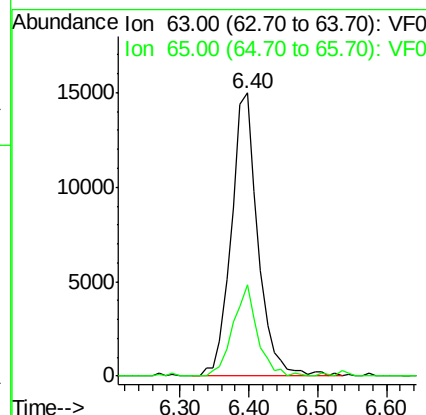
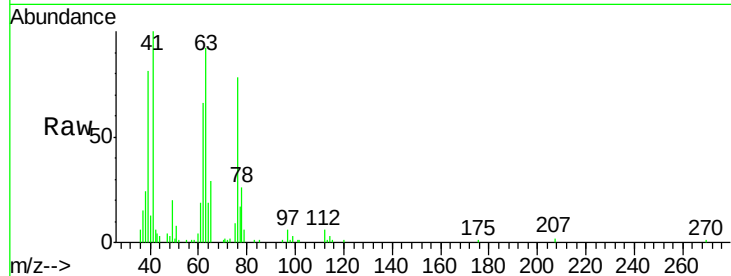
#45
 1,2-Dichloropropane
 Concen: 21.88 ug/l
 RT: 6.40 min Scan# 595
 Delta R.T. -0.02 min
 Lab File: VF059545.D
 Acq: 19 Jul 2018 7:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0719SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	26.1	39.1

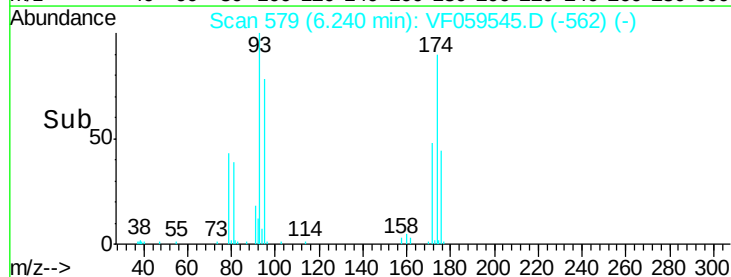
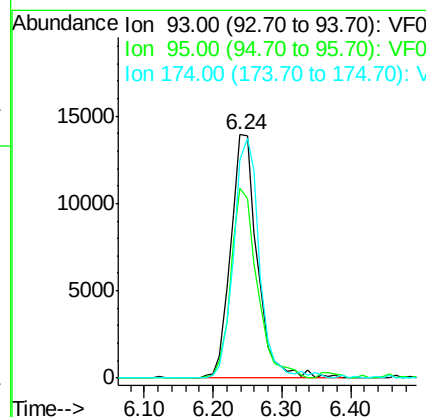
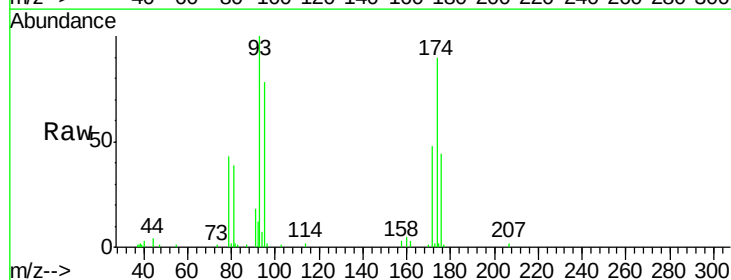
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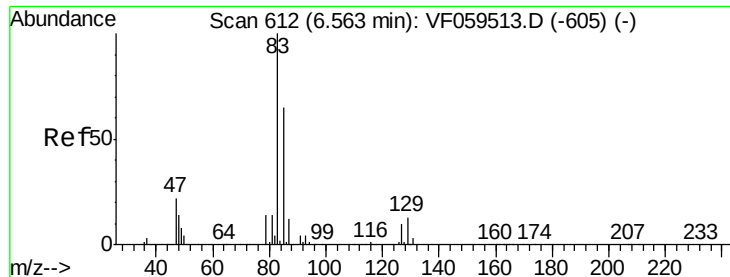
apatel
 7/19/2018 3:17:16 PM



#46
 Dibromomethane
 Concen: 22.32 ug/l
 RT: 6.24 min Scan# 579
 Delta R.T. -0.03 min
 Lab File: VF059545.D
 Acq: 19 Jul 2018 7:46

Tgt Ion	Ratio	Lower	Upper
93	100		
95	77.7	68.3	102.5
174	89.5	81.2	121.8





#47

Bromodichloromethane

Concen: 22.84 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.03 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

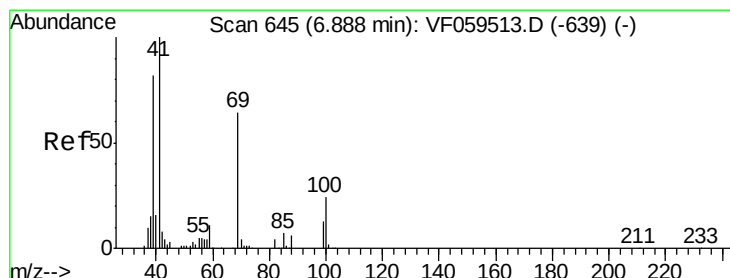
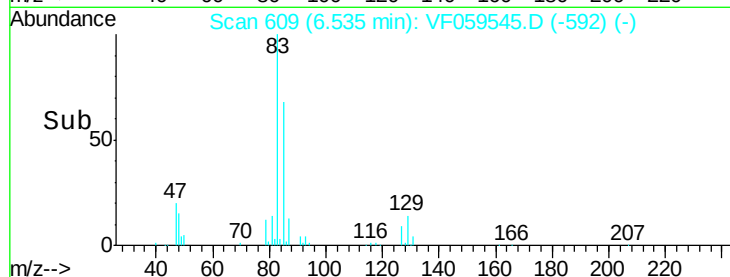
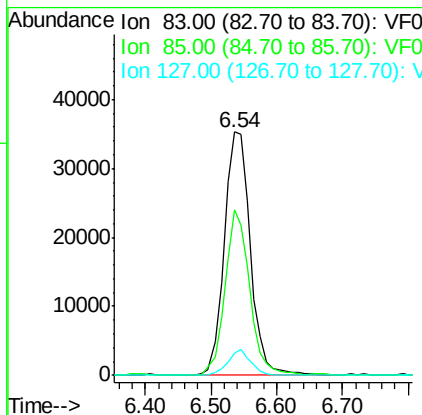
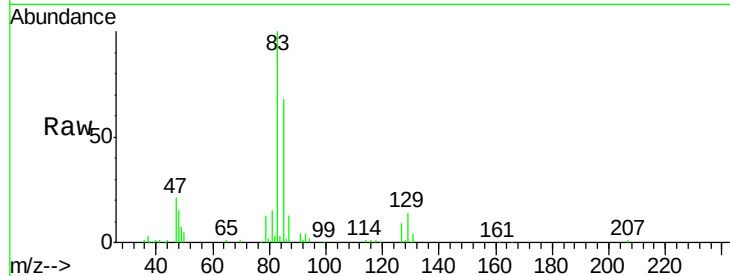
ClientSampleId :

VF0719SBS01

Tot Ion:	83	Resp:	98288
Ion Ratio	Lower	Upper	
83	100		
85	67.9	52.4	78.6
127	9.1	8.2	12.4

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#48

Methyl methacrylate

Concen: 16.68 ug/l

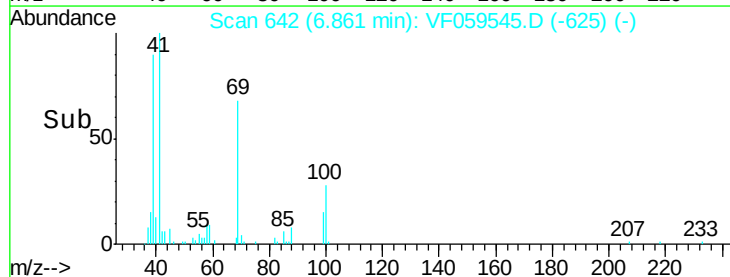
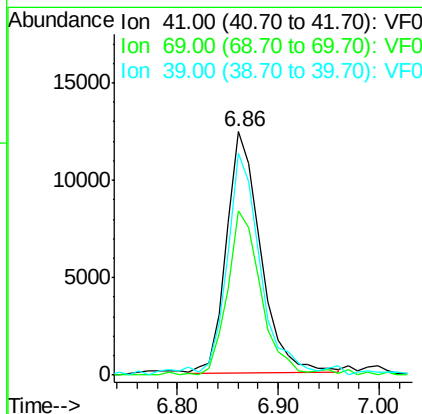
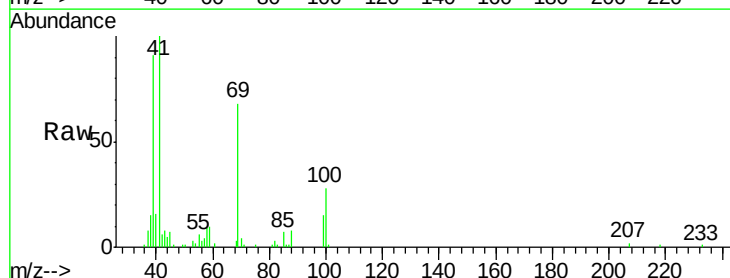
RT: 6.86 min Scan# 642

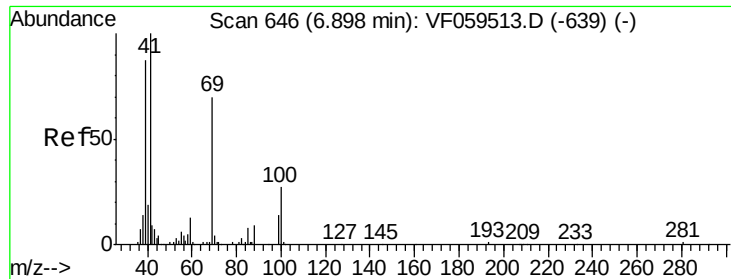
Delta R.T. -0.03 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Tgt Ion:	41	Resp:	29179
Ion Ratio	Lower	Upper	
41	100		
69	67.7	51.3	76.9
39	91.1	65.3	97.9





#49

1,4-Dioxane

Concen: 400.05 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.04 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

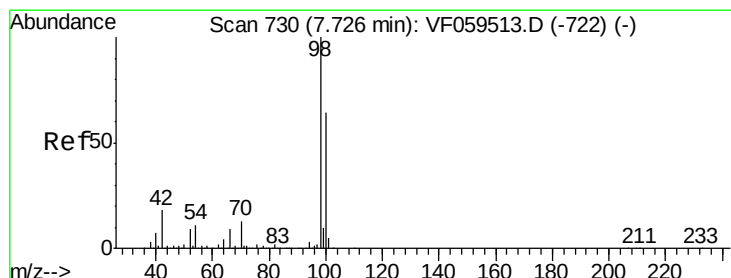
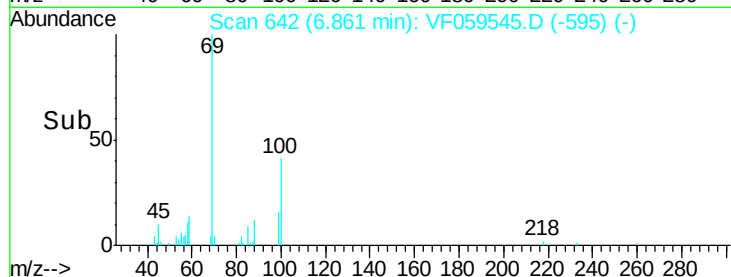
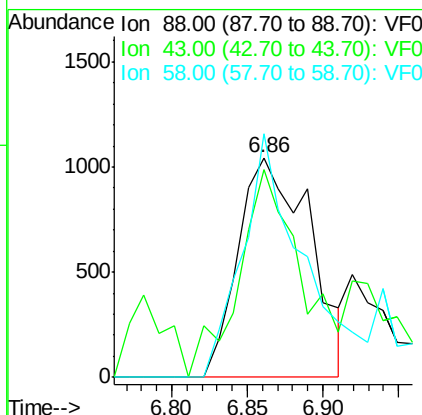
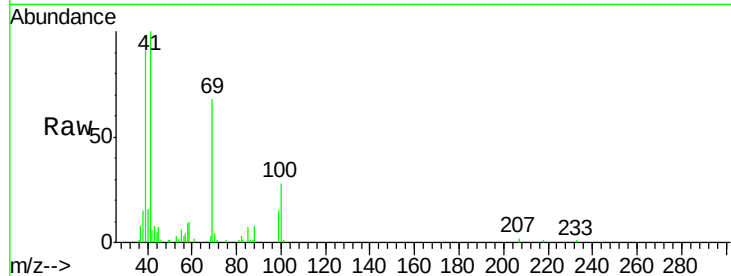
ClientSampleId :

VF0719SBS01

Tot Ion:	88	Resp:	3467
Ion	Ratio	Lower	Upper
88	100		
43	94.7	64.8	97.2
58	110.9	44.1	66.1#

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#50

Toluene-d8

Concen: 46.34 ug/l

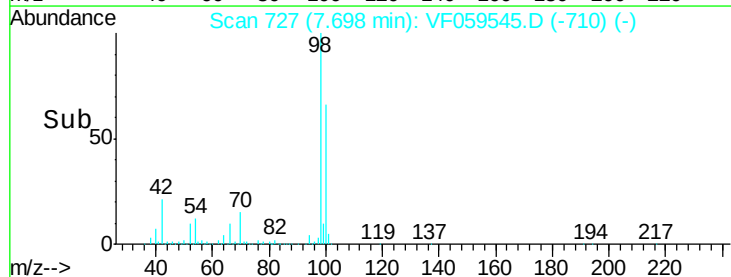
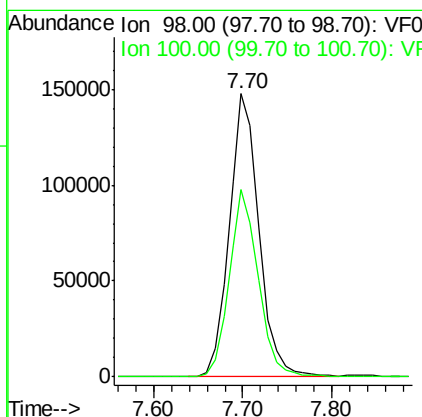
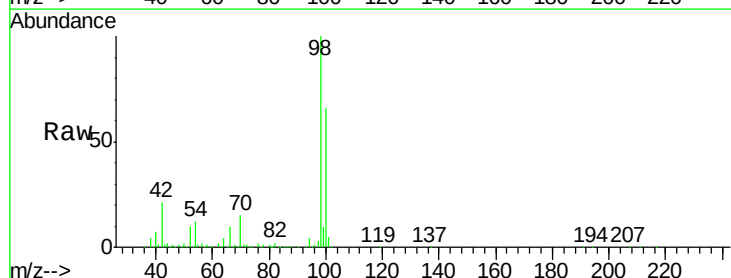
RT: 7.70 min Scan# 727

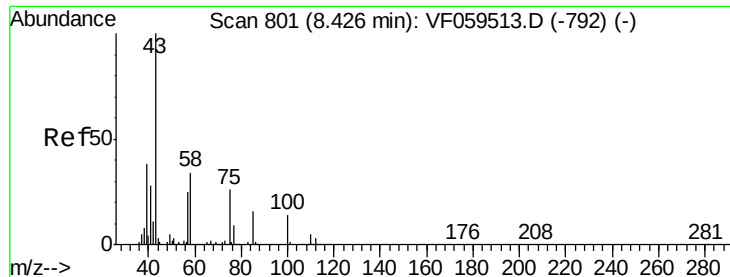
Delta R.T. -0.03 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Tgt Ion:	98	Resp:	344269
Ion	Ratio	Lower	Upper
98	100		
100	66.0	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 96.24 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.03 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

Tot Ion: 43 Resp: 167096

Ion Ratio Lower Upper

43 100

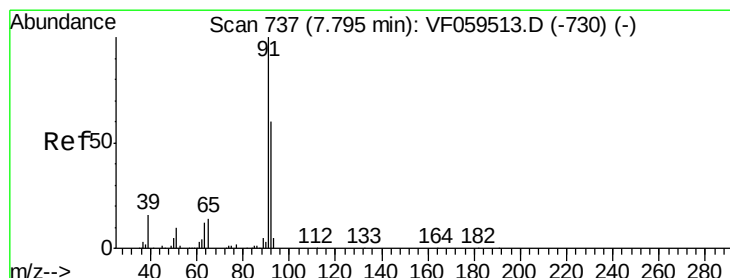
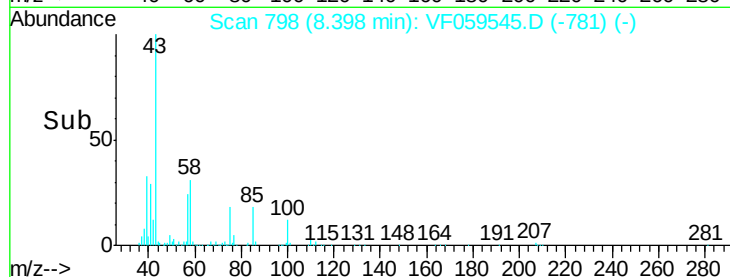
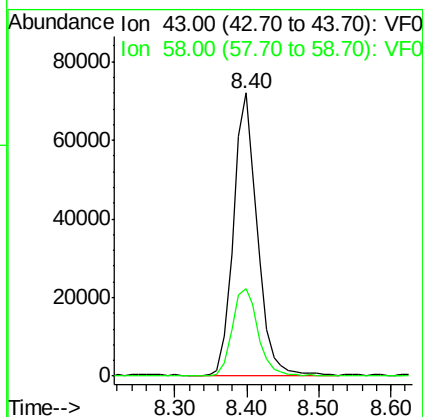
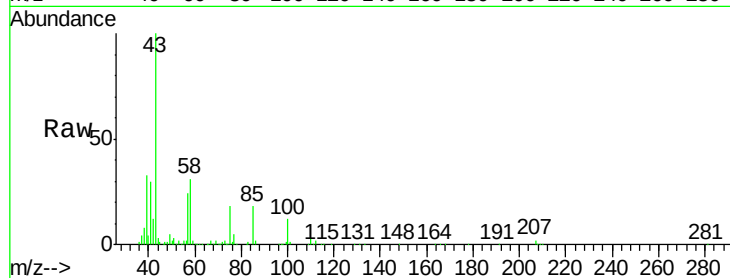
58 30.9 27.4 41.2

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#52

Toluene

Concen: 21.62 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.03 min

Lab File: VF059545.D

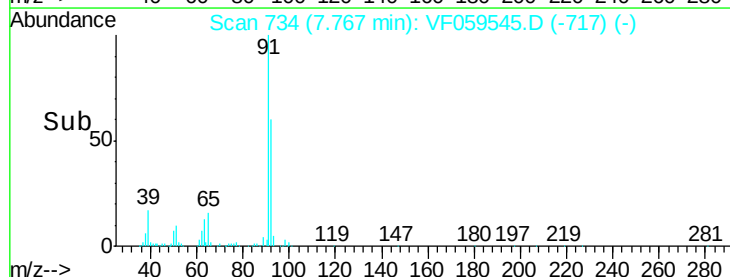
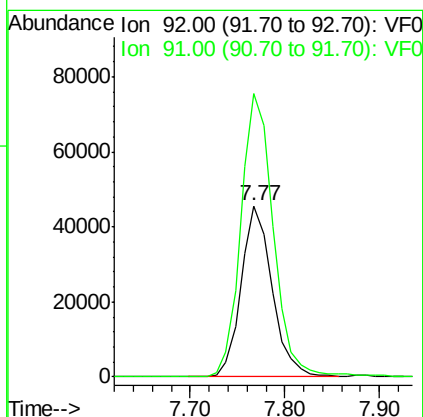
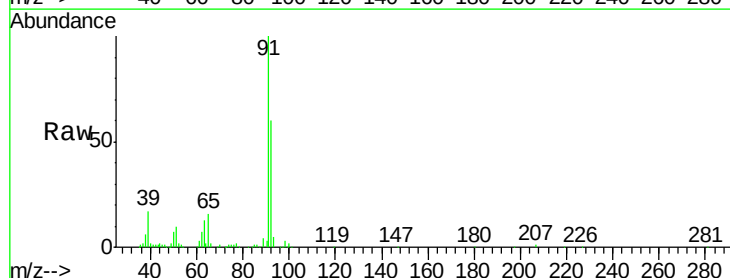
Acq: 19 Jul 2018 7:46

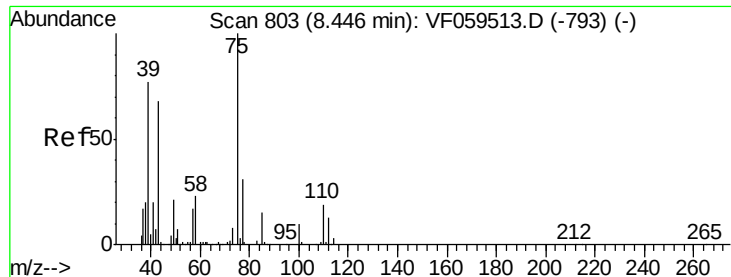
Tgt Ion: 92 Resp: 103687

Ion Ratio Lower Upper

92 100

91 165.5 134.2 201.4





#53

t-1,3-Dichloropropene

Concen: 20.08 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.03 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

Tot Ion: 75 Resp: 79481

Ion Ratio Lower Upper

75 100

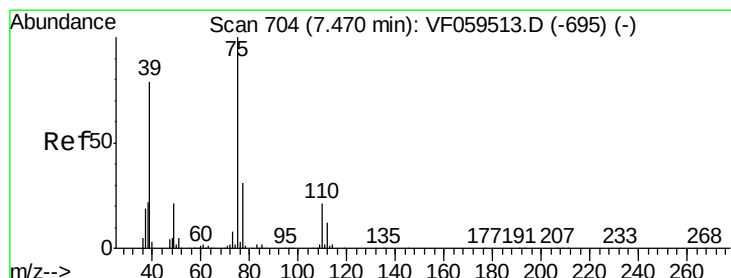
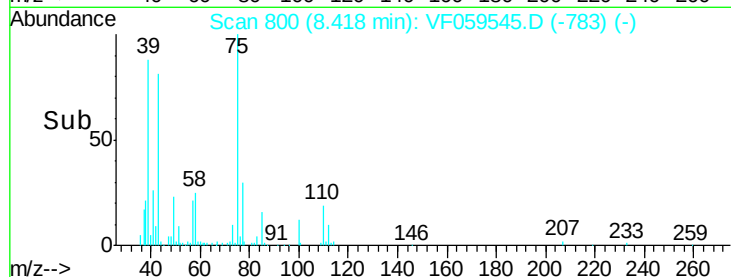
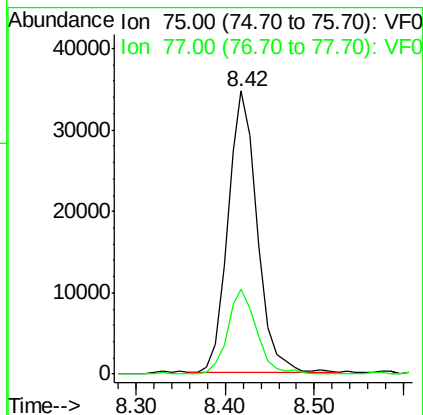
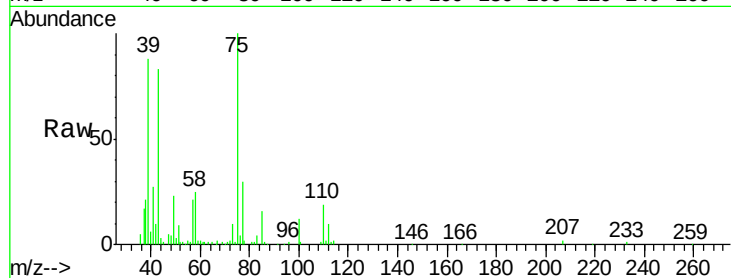
77 30.1 25.3 37.9

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#54

cis-1,3-Dichloropropene

Concen: 20.44 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

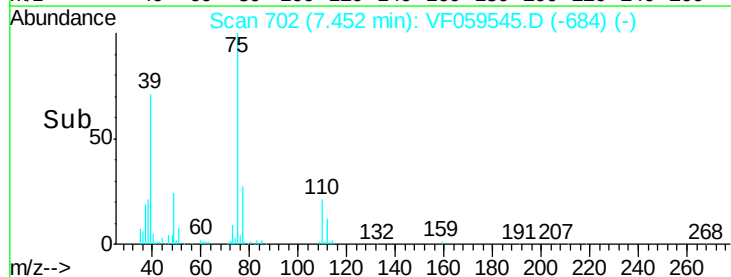
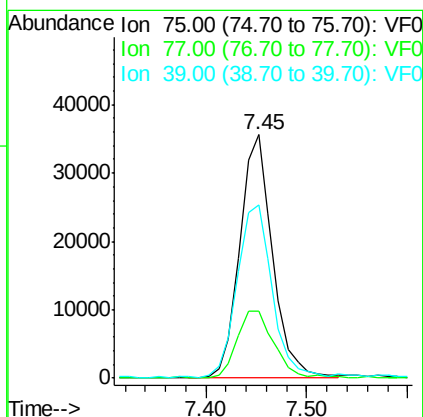
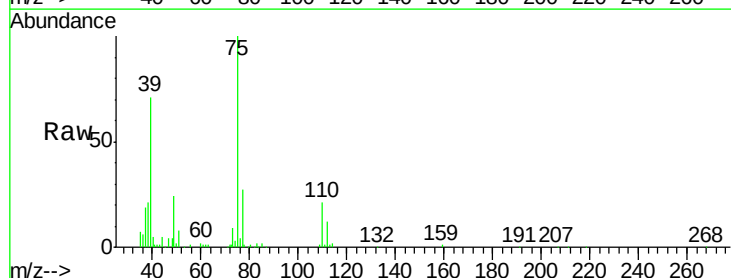
Tgt Ion: 75 Resp: 80565

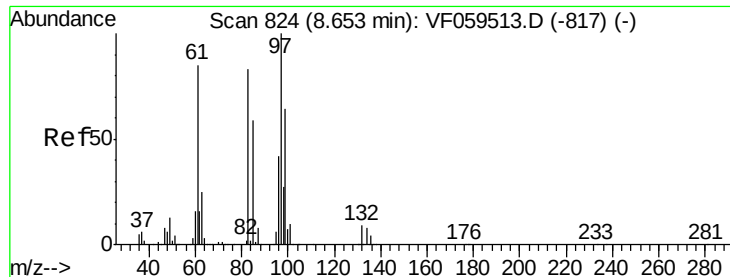
Ion Ratio Lower Upper

75 100

77 27.5 25.0 37.6

39 71.1 63.8 95.6





#55

1,1,2-Trichloroethane

Concen: 23.24 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

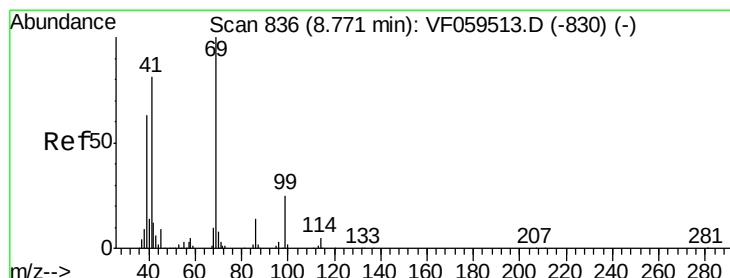
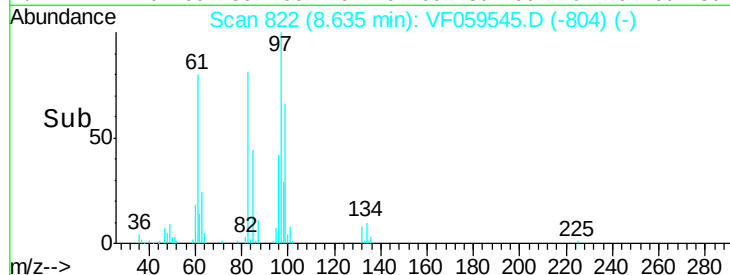
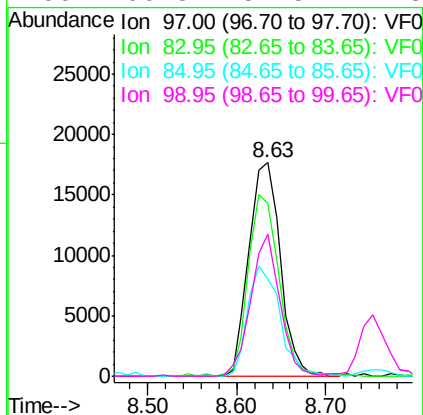
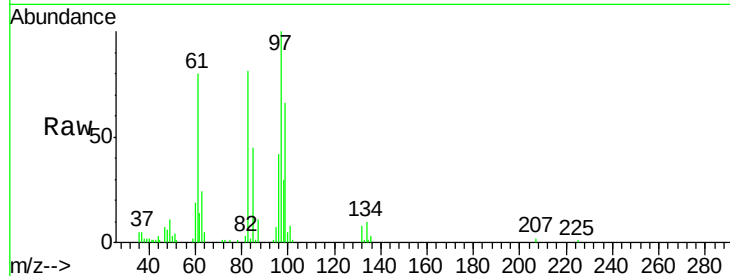
ClientSampleId :

VF0719SBS01

Tot Ion:	97	Resp:	43178
Ion	Ratio	Lower	Upper
97	100		
83	80.8	66.9	100.3
85	45.5	46.9	70.3
99	66.3	51.5	77.3

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#56

Ethyl methacrylate

Concen: 19.51 ug/l

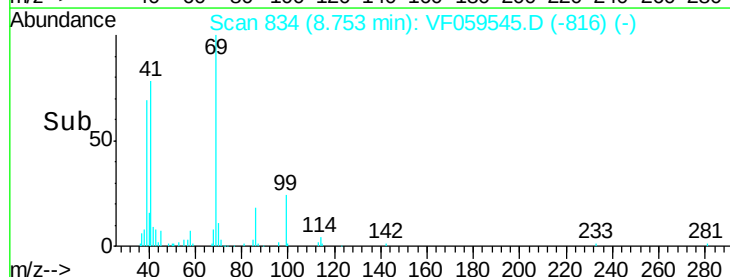
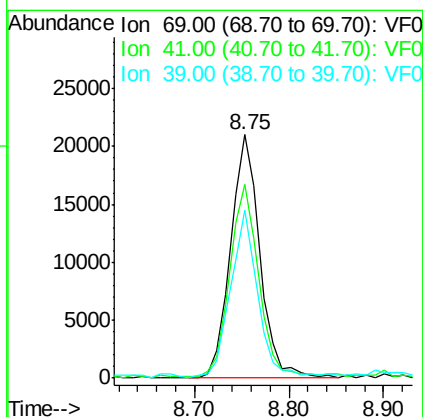
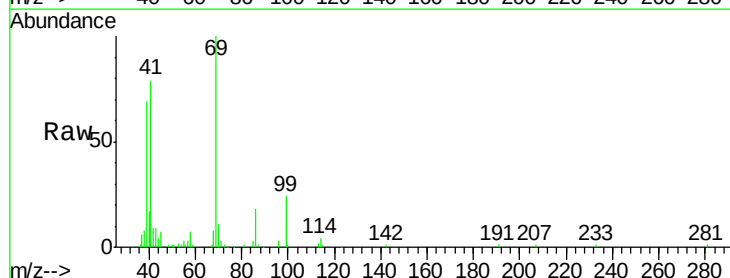
RT: 8.75 min Scan# 834

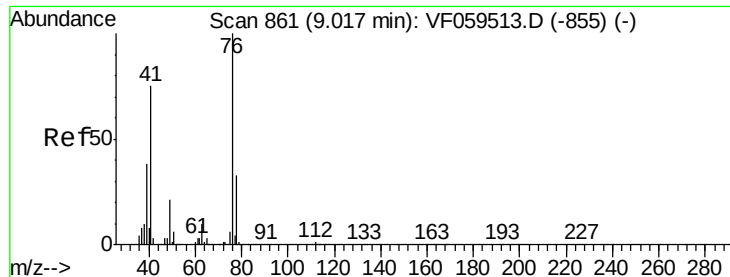
Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Tgt Ion:	69	Resp:	44971
Ion	Ratio	Lower	Upper
69	100		
41	79.3	65.4	98.2
39	69.3	51.0	76.4





#57

1,3-Dichloropropane

Concen: 21.63 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.03 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

Tot Ion: 76 Resp: 71080

Ion Ratio Lower Upper

76 100

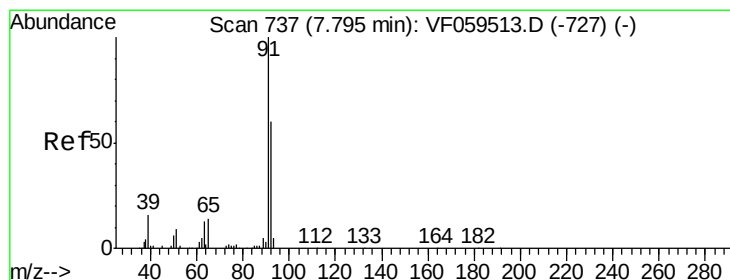
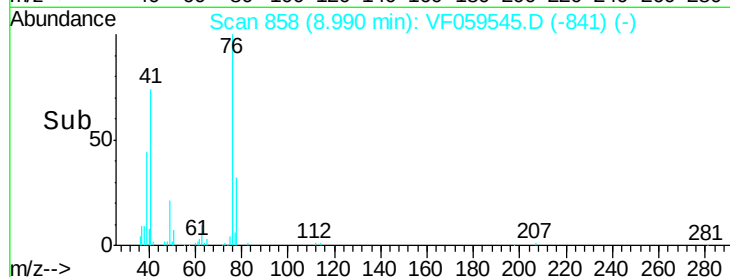
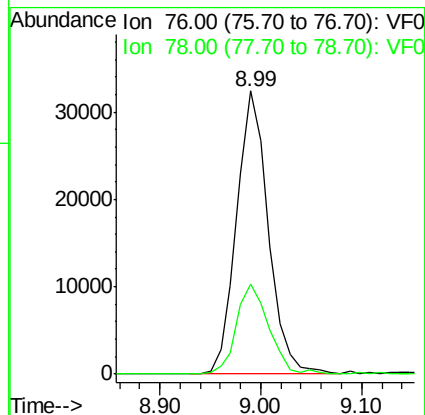
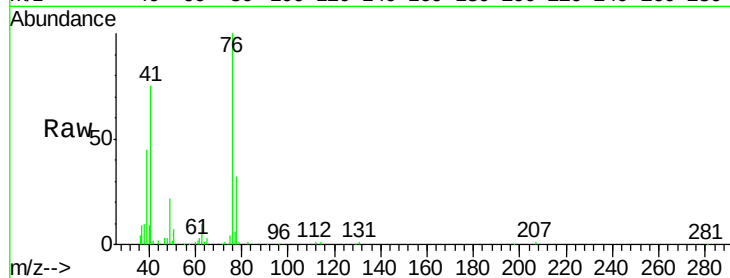
78 31.9 26.4 39.6

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#58

2-Chloroethyl Vinyl ether

Concen: 115.09 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.03 min

Lab File: VF059545.D

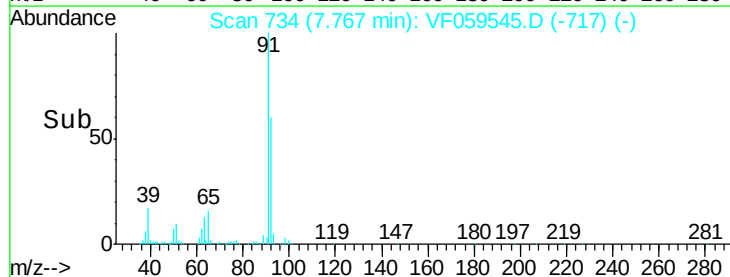
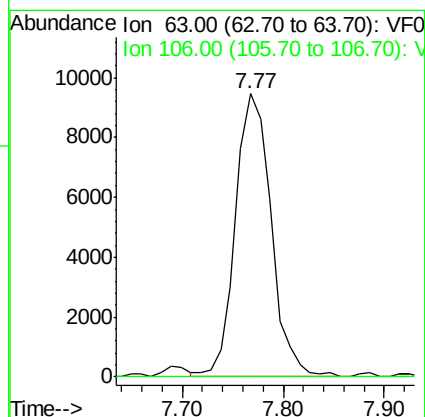
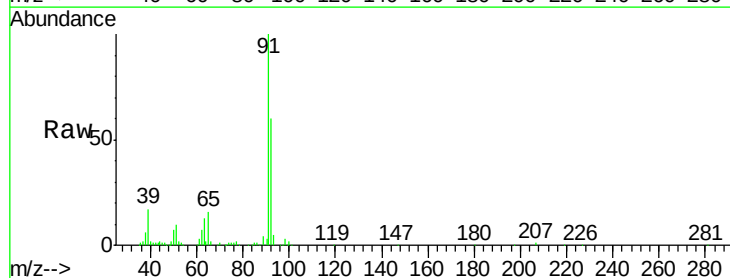
Acq: 19 Jul 2018 7:46

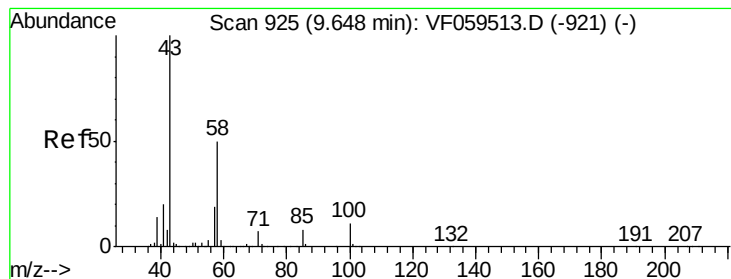
Tgt Ion: 63 Resp: 23417

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





#59

2-Hexanone

Concen: 99.05 ug/l

RT: 9.62 min Scan# 922

Delta R.T. -0.03 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

Tot Ion: 43 Resp: 129971

Ion Ratio Lower Upper

43 100

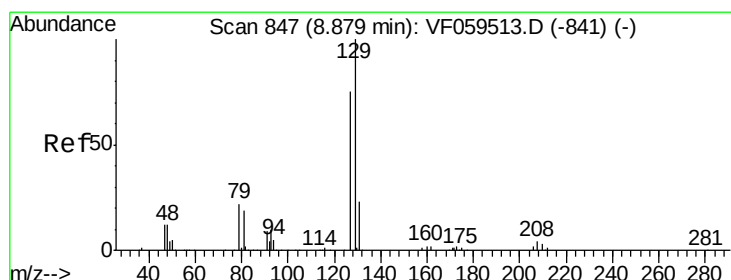
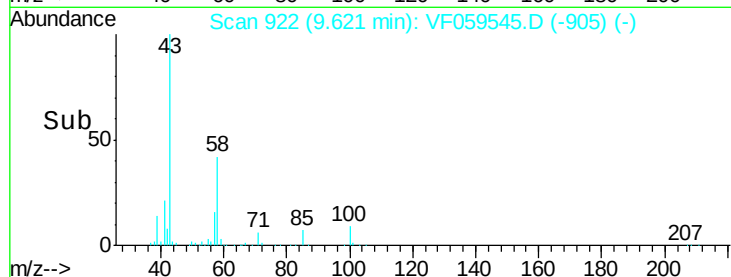
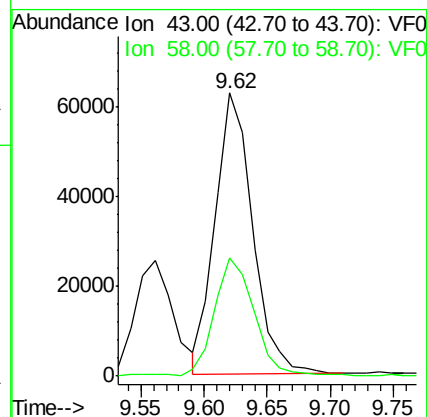
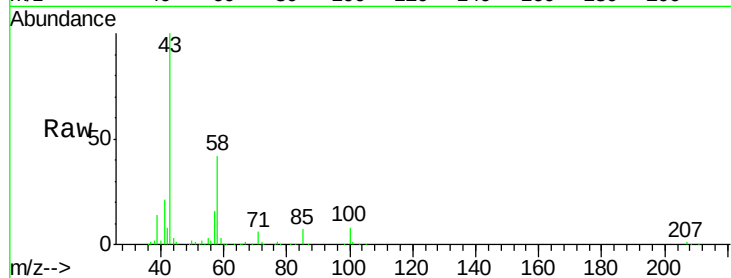
58 41.7 23.3 69.9

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#60

Dibromochloromethane

Concen: 21.21 ug/l

RT: 8.85 min Scan# 844

Delta R.T. -0.03 min

Lab File: VF059545.D

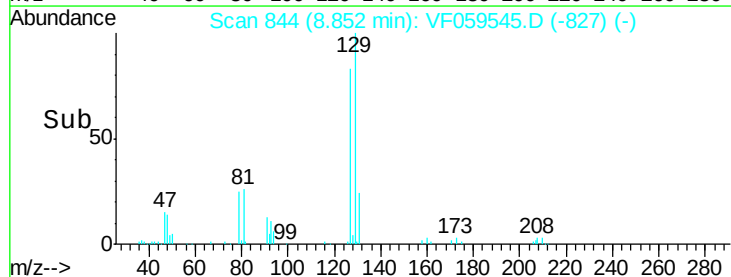
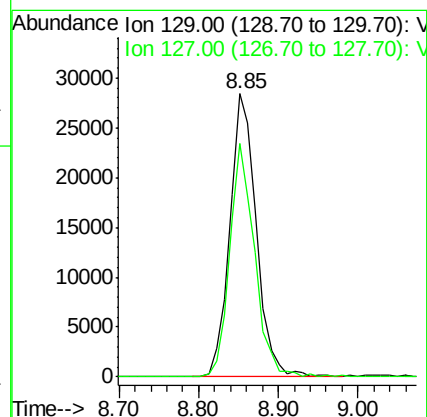
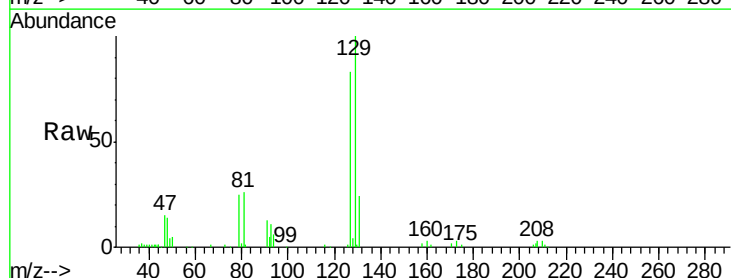
Acq: 19 Jul 2018 7:46

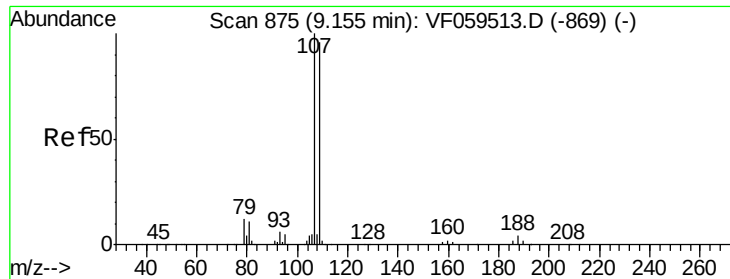
Tgt Ion: 129 Resp: 66431

Ion Ratio Lower Upper

129 100

127 82.5 37.6 112.8





#61

1,2-Dibromoethane

Concen: 21.87 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.03 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

Tot Ion:107 Resp: 50436

Ion Ratio Lower Upper

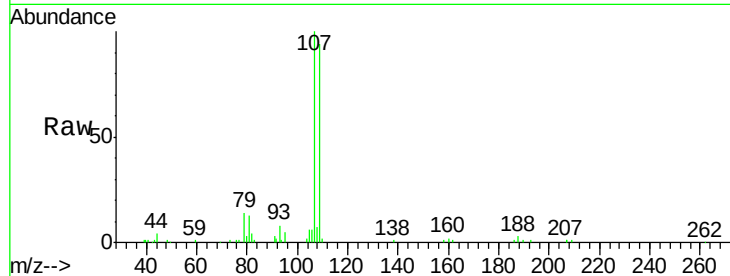
107 100

109 93.7 76.5 114.7

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

25000

20000

15000

10000

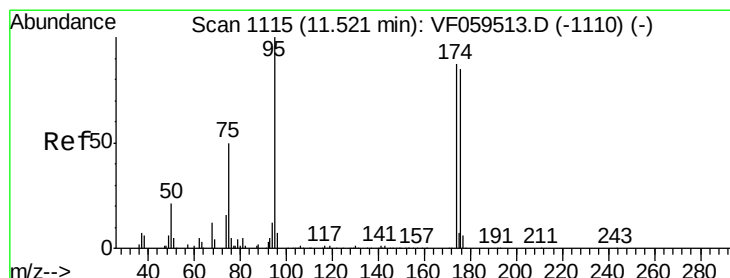
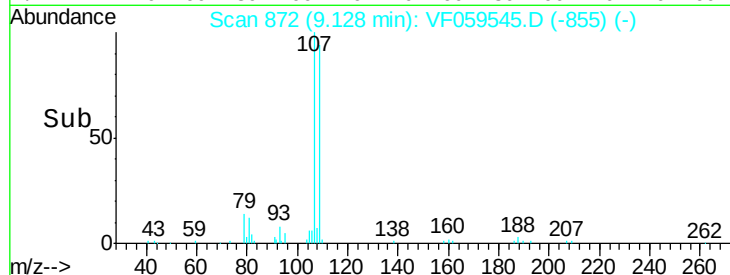
5000

0

9.13

9.10 9.20 9.30

Time-->



#62

4-Bromofluorobenzene

Concen: 54.38 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

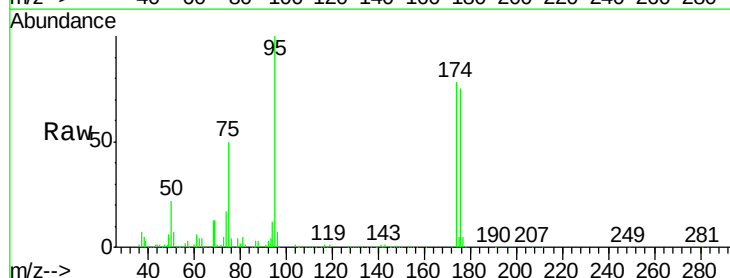
Tgt Ion: 95 Resp: 211942

Ion Ratio Lower Upper

95 100

174 78.4 0.0 174.4

176 75.0 0.0 169.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

150000

100000

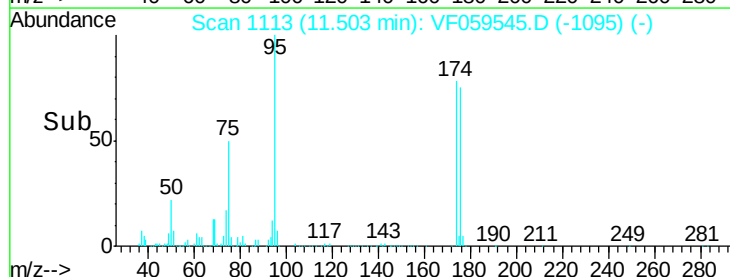
50000

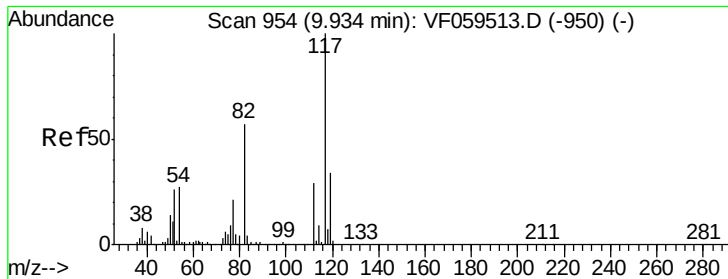
0

11.50

11.40 11.60

Time-->





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.91 min Scan# 951

Delta R.T. -0.03 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

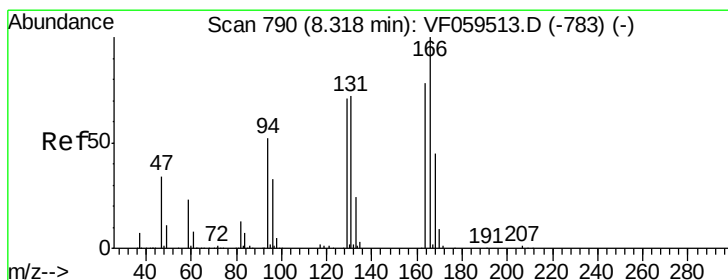
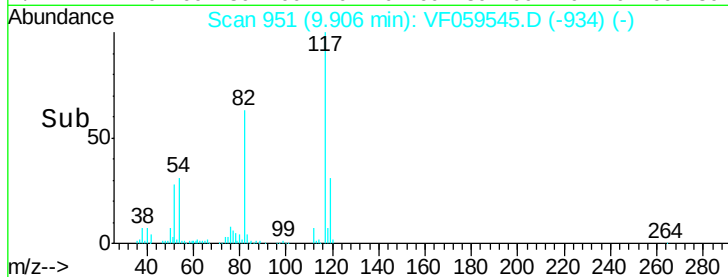
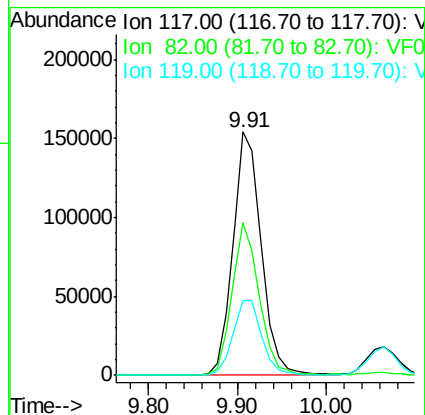
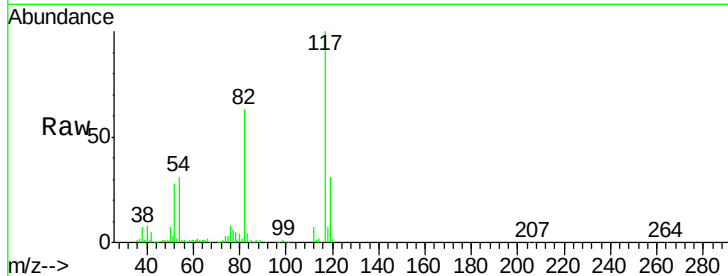
ClientSampleId :

VF0719SBS01

Tot Ion:	117	Resp:	345304
Ion Ratio	Lower	Upper	
117	100		
82	62.6	46.1	69.1
119	30.9	27.2	40.8

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#64

Tetrachloroethene

Concen: 22.68 ug/l

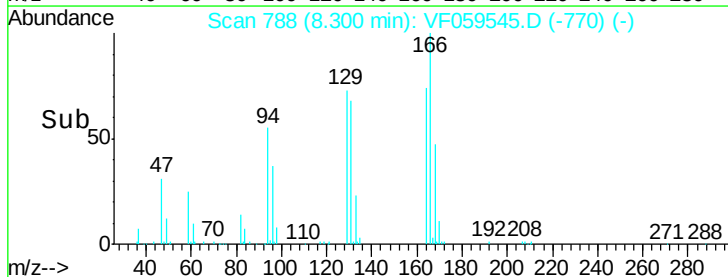
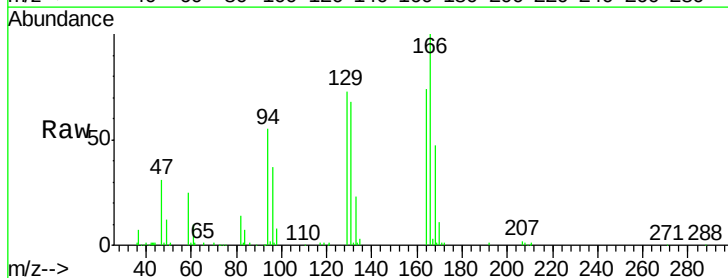
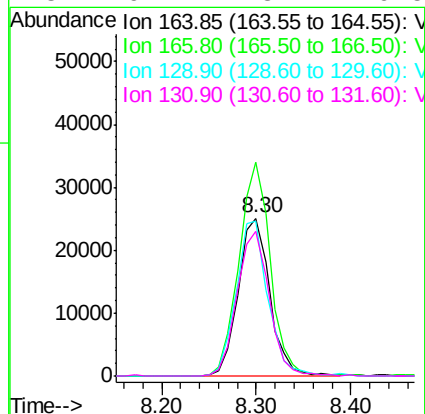
RT: 8.30 min Scan# 788

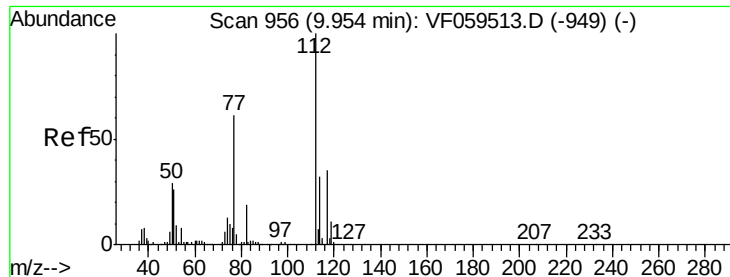
Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Tgt Ion:	164	Resp:	58310
Ion Ratio	Lower	Upper	
164	100		
166	135.4	102.3	153.5
129	98.6	72.4	108.6
131	91.7	73.7	110.5





#65

Chlorobenzene

Concen: 22.40 ug/l

RT: 9.94 min Scan# 954

Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

Tot Ion:112 Resp: 145069

Ion Ratio Lower Upper

112 100

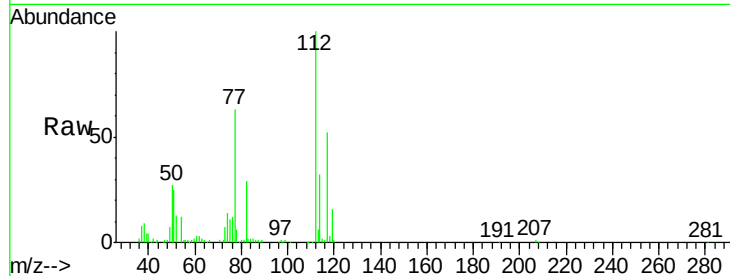
114 32.2 25.4 38.2

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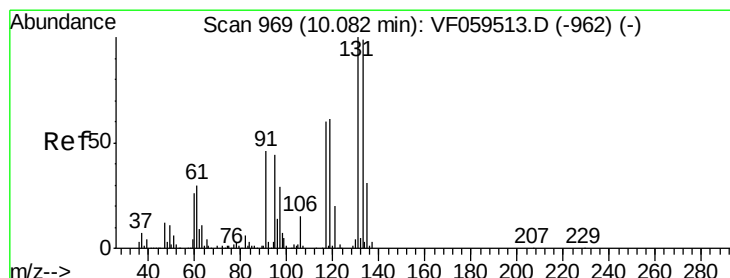
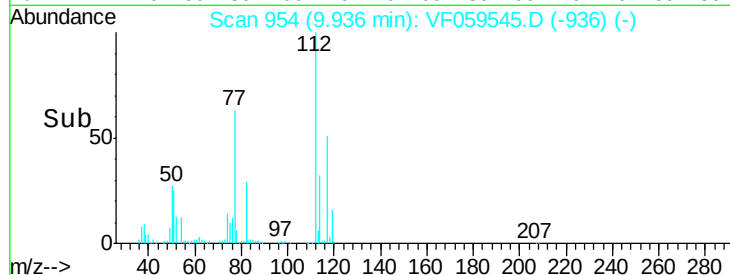
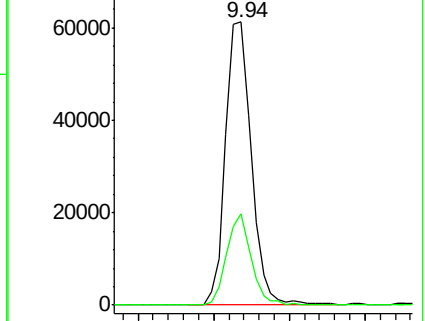
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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.20 ug/l

RT: 10.06 min Scan# 967

Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

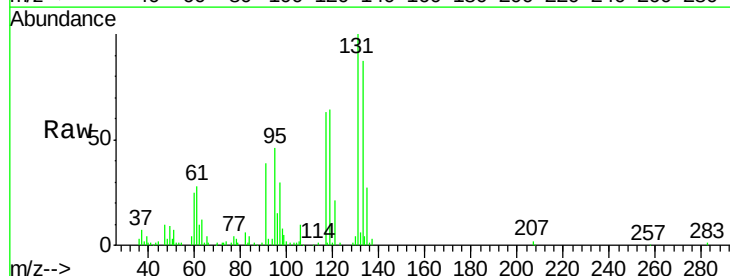
Tgt Ion:131 Resp: 65495

Ion Ratio Lower Upper

131 100

133 86.9 49.6 148.8

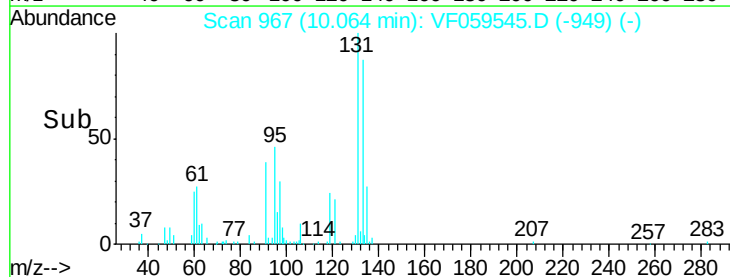
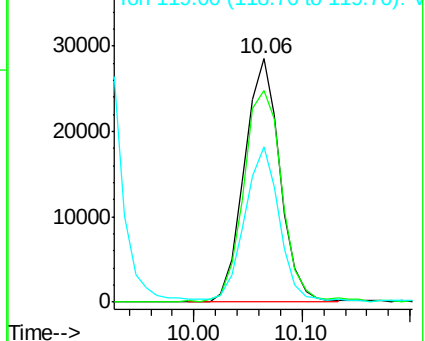
119 63.6 31.4 94.3

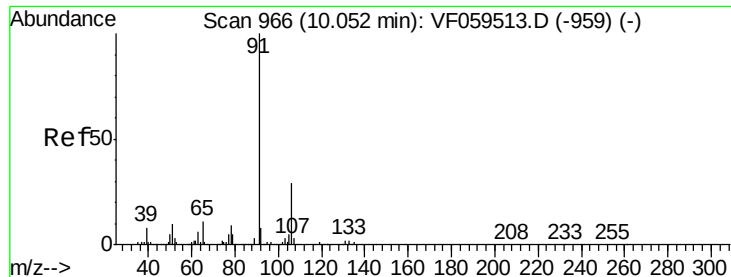


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 22.93 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

Tot Ion: 91 Resp: 264308

Ion Ratio Lower Upper

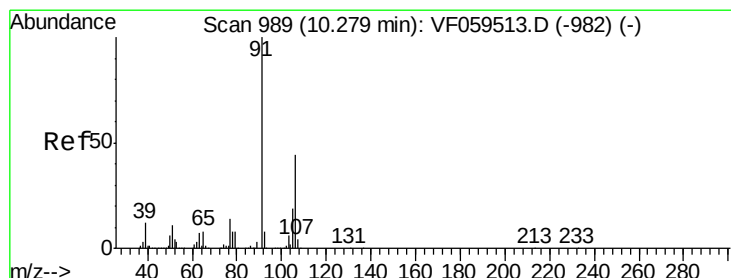
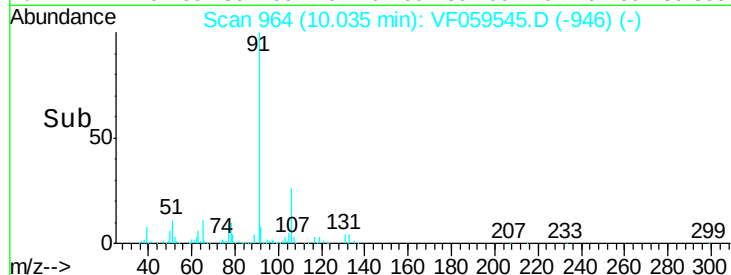
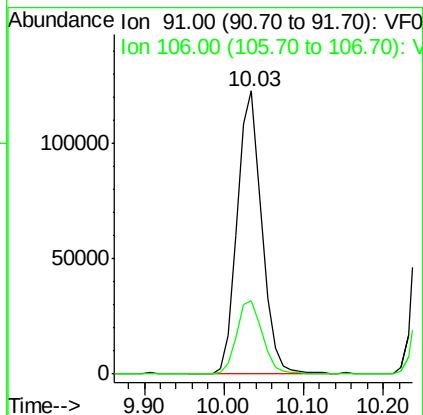
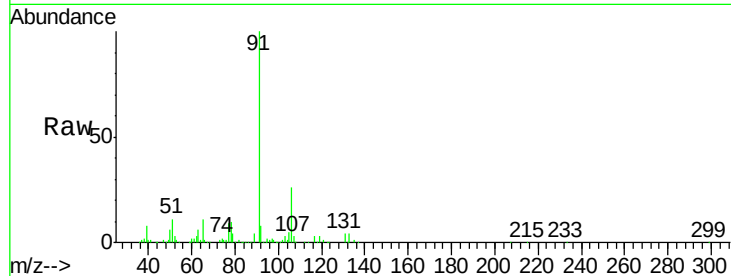
91 100

106 26.0 23.4 35.2

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#68

m/p-Xylenes

Concen: 46.48 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.02 min

Lab File: VF059545.D

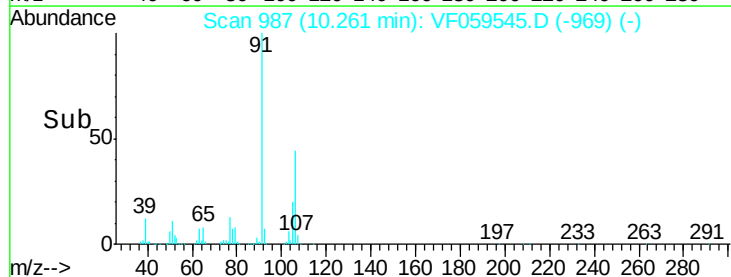
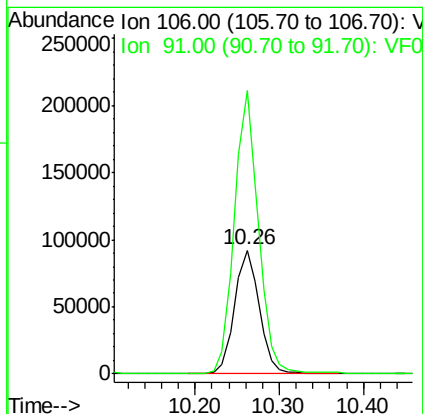
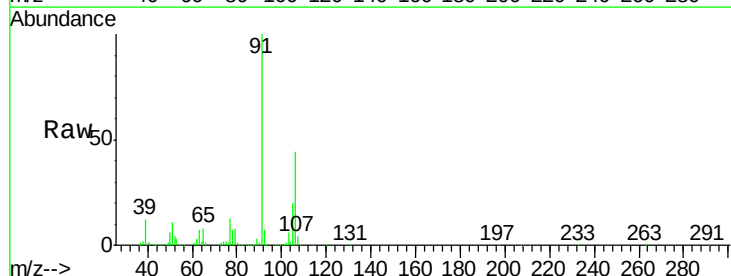
Acq: 19 Jul 2018 7:46

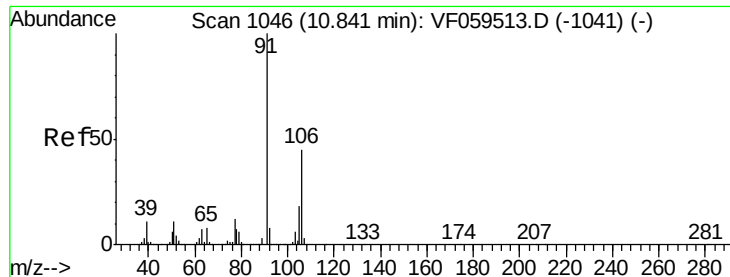
Tgt Ion: 106 Resp: 189118

Ion Ratio Lower Upper

106 100

91 229.3 181.0 271.4





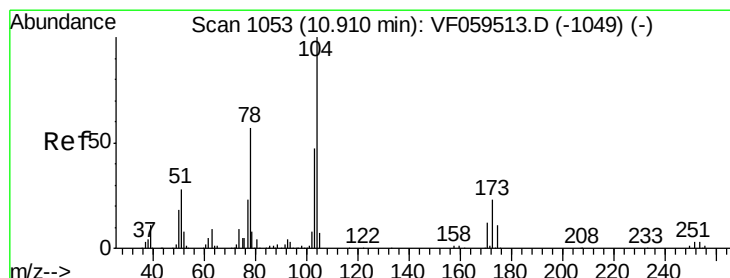
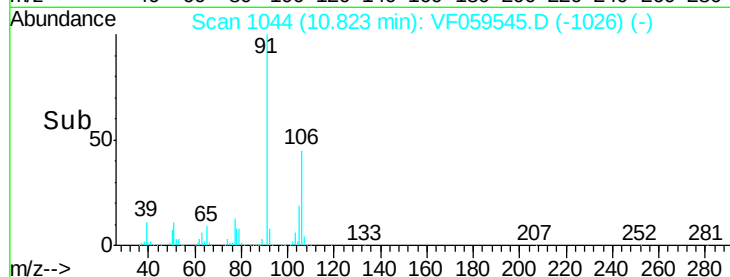
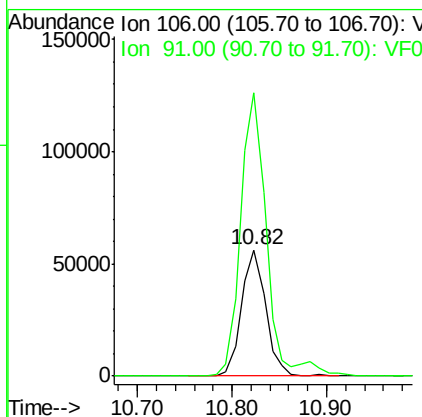
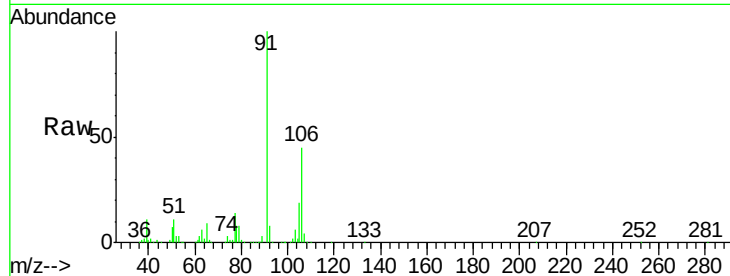
#69
o-Xylene
Concen: 23.24 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.02 min
Lab File: VF059545.D
Acq: 19 Jul 2018 7:46

Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	100689		
91	91	224.1	112.3	336.9	

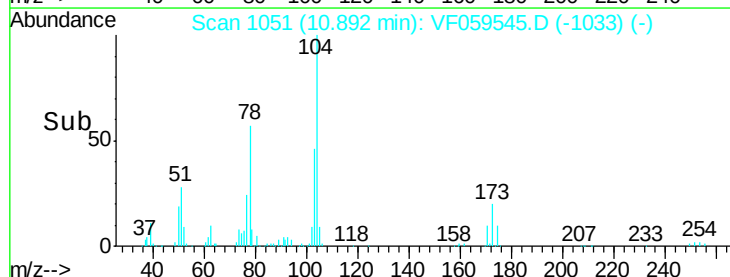
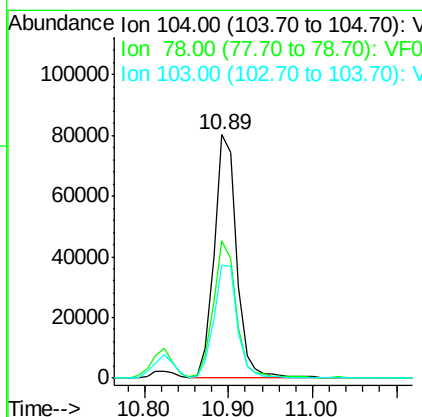
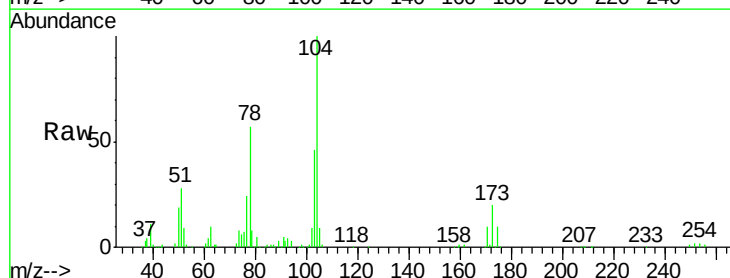
Manual Integrations
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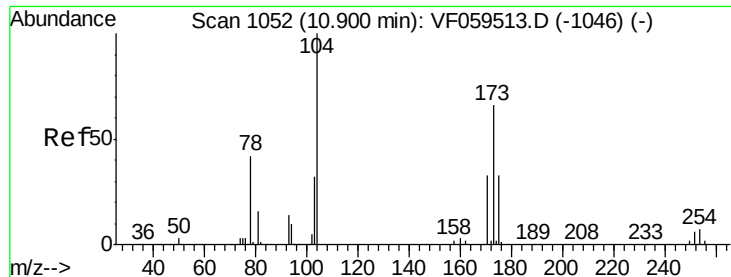
apatel
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#70
Styrene
Concen: 22.22 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.02 min
Lab File: VF059545.D
Acq: 19 Jul 2018 7:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	147968		
78	78	56.6	45.7	68.5	
103	103	46.3	38.1	57.1	





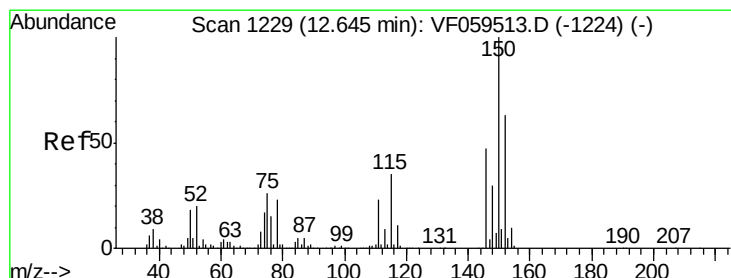
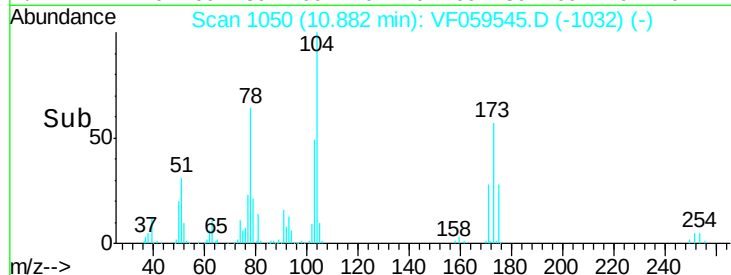
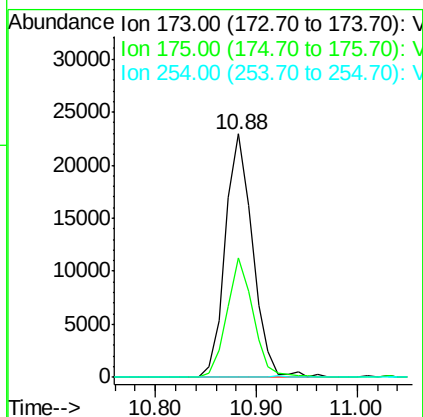
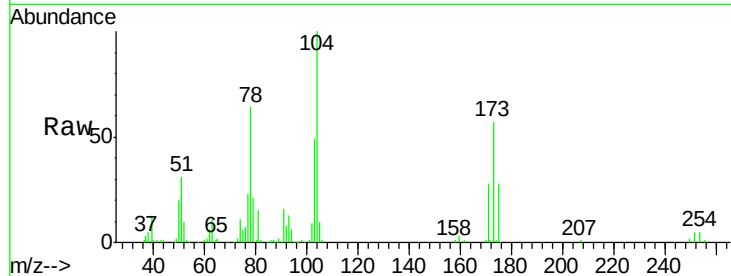
#71
Bromoform
Concen: 21.06 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.02 min
Lab File: VF059545.D
Acq: 19 Jul 2018 7:46

Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	25.3	75.8
254	0.0	0.0	0.0

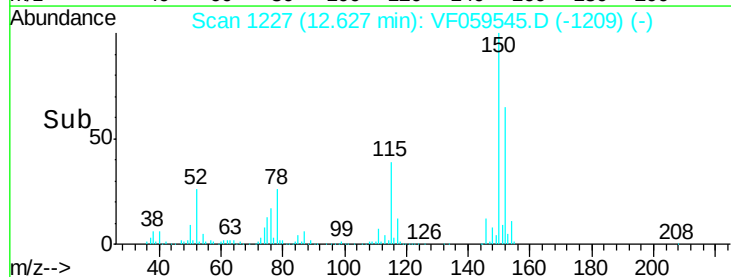
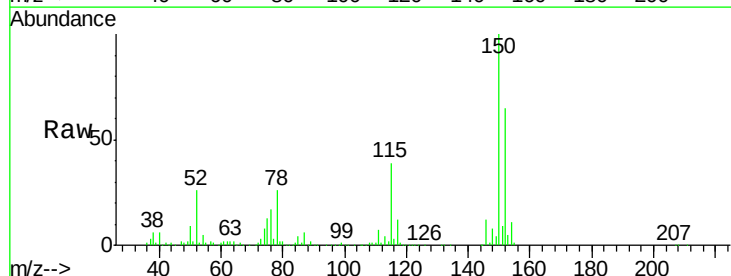
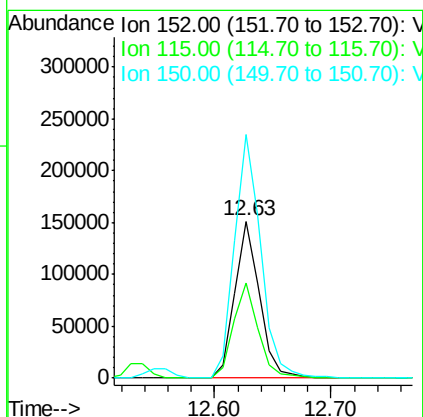
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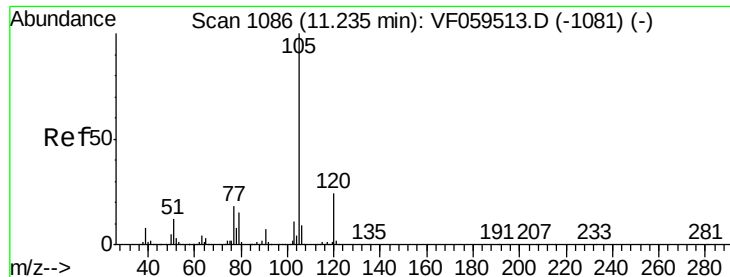
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.02 min
Lab File: VF059545.D
Acq: 19 Jul 2018 7:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	27.8	83.3
150	154.9	0.0	318.4





#73

Isopropylbenzene

Concen: 20.84 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

Tot Ion: 105 Resp: 294556

Ion Ratio Lower Upper

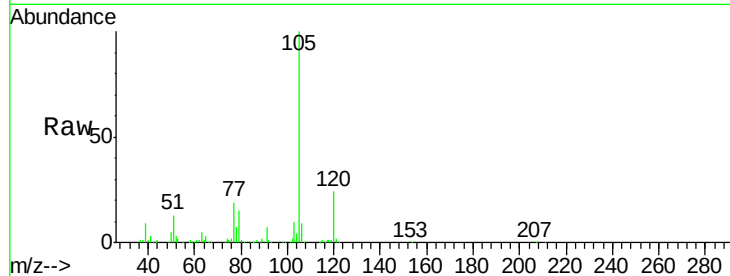
105 100

120 23.9 12.0 36.0

Manual Integrations
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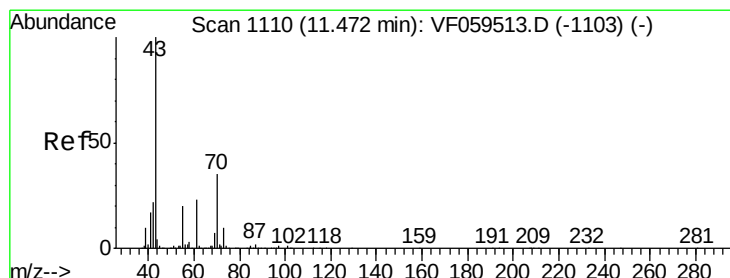
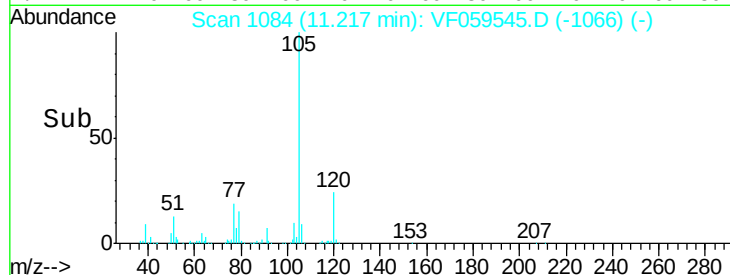
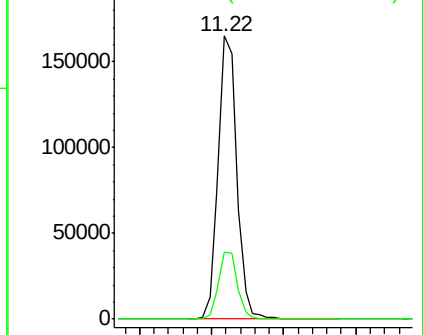
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 16.82 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Tgt Ion: 43 Resp: 76113

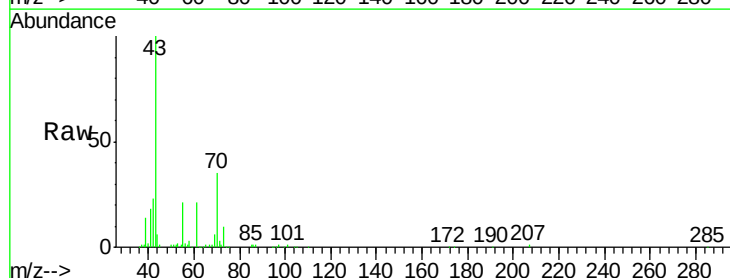
Ion Ratio Lower Upper

43 100

70 35.0 27.9 41.9

55 21.2 16.2 24.2

61 21.2 18.6 27.8

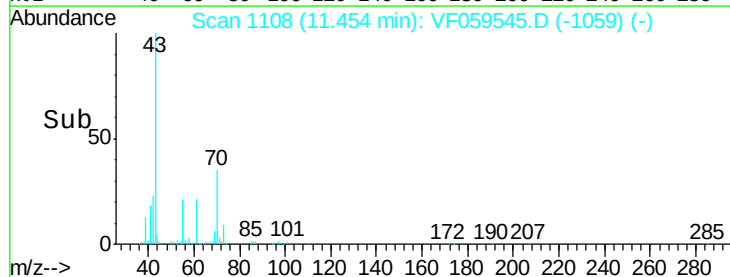
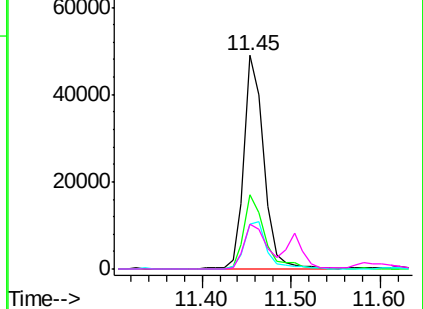


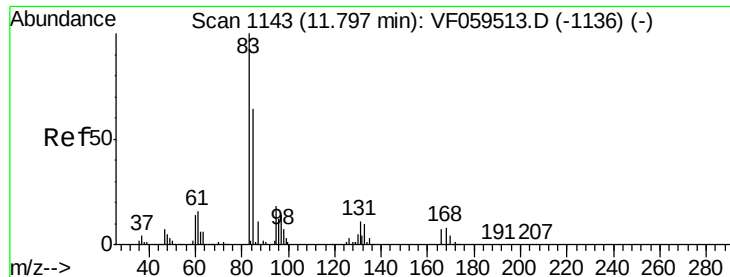
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.17 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

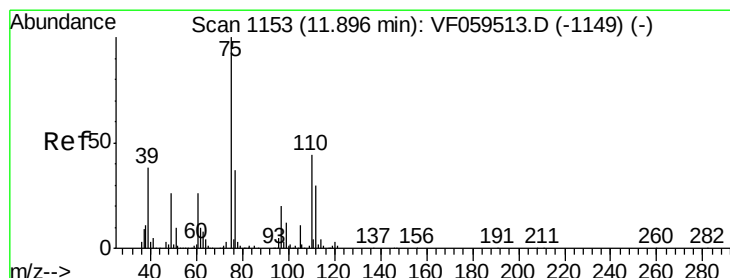
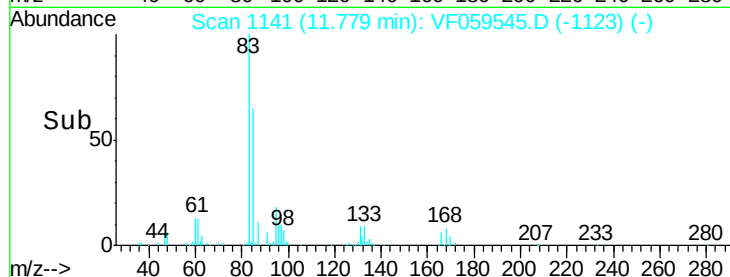
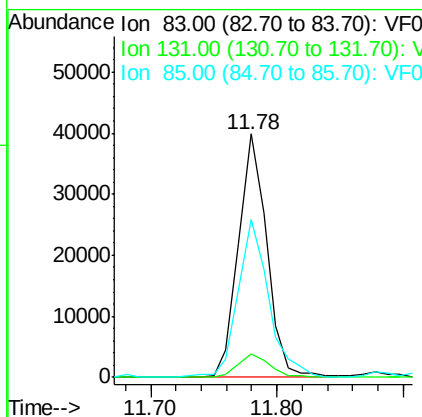
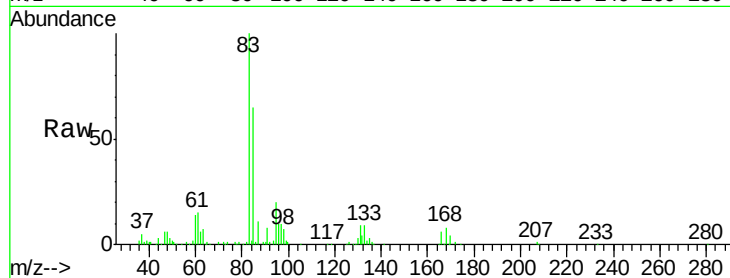
ClientSampleId :

VF0719SBS01

Tot Ion:	83	Resp:	62190
Ion Ratio	Lower	Upper	
83	100		
131	9.4	5.7	17.1
85	65.0	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 20.64 ug/l

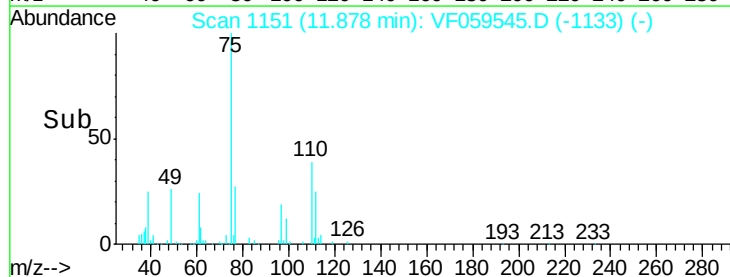
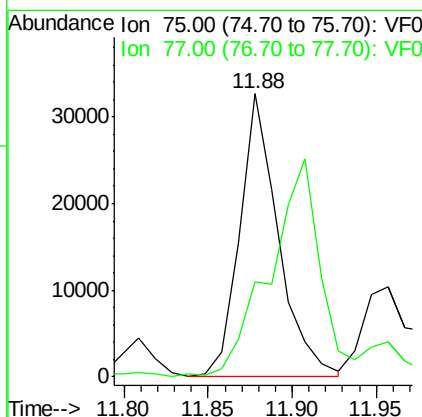
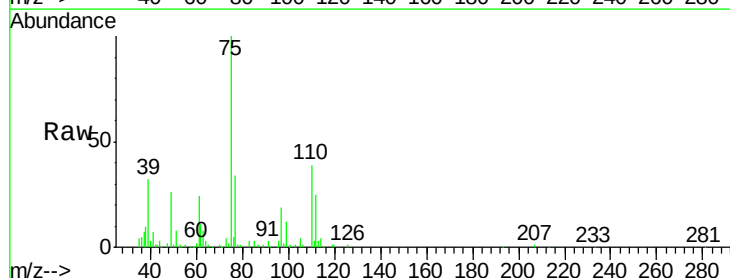
RT: 11.88 min Scan# 1151

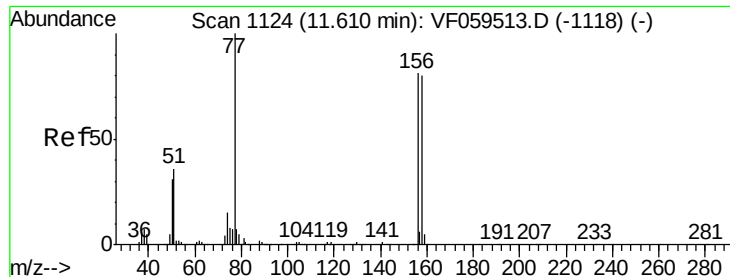
Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Tgt Ion:	75	Resp:	51954
Ion Ratio	Lower	Upper	
75	100		
77	33.8	18.7	56.1





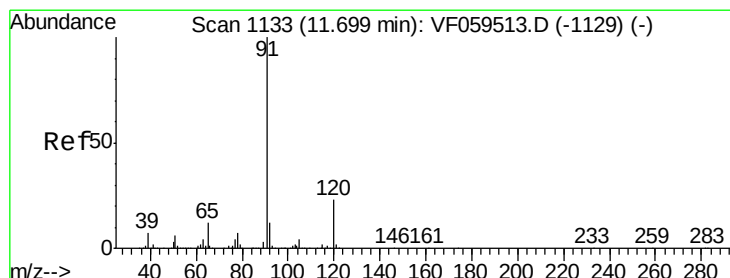
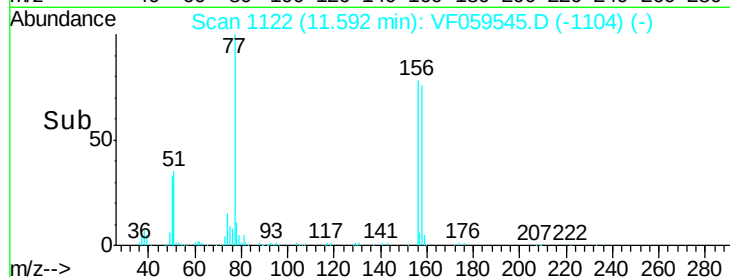
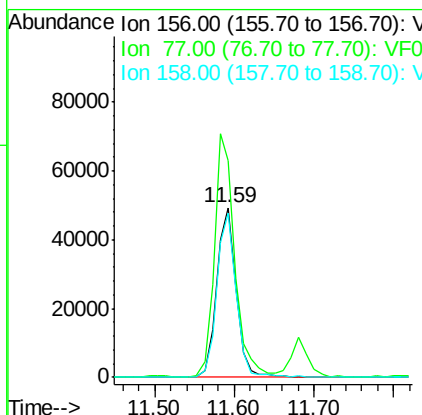
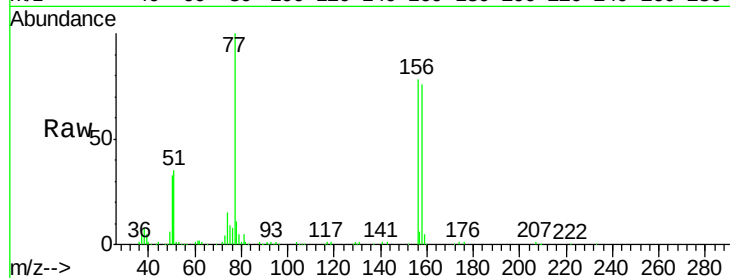
#77
Bromobenzene
Concen: 21.55 ug/l
RT: 11.59 min Scan# 1122
Delta R.T. -0.02 min
Lab File: VF059545.D
Acq: 19 Jul 2018 7:46

Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	127.5	62.0	186.0
158	96.9	49.8	149.3

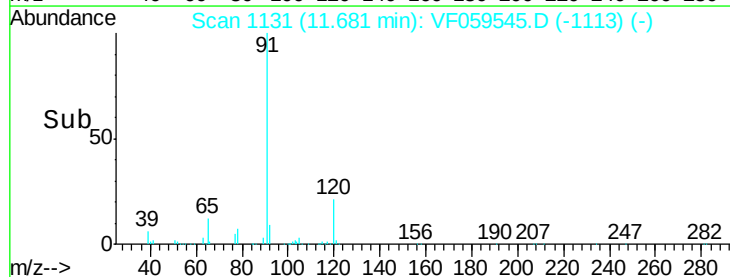
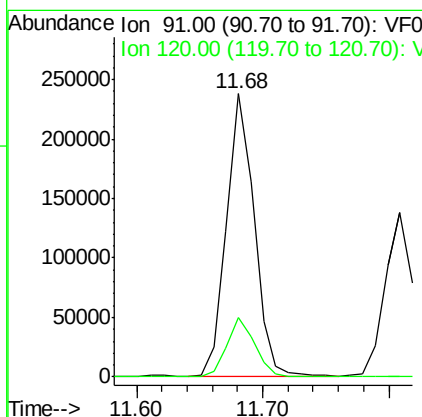
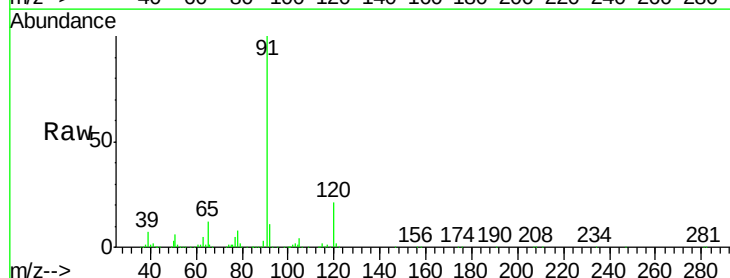
Manual Integrations
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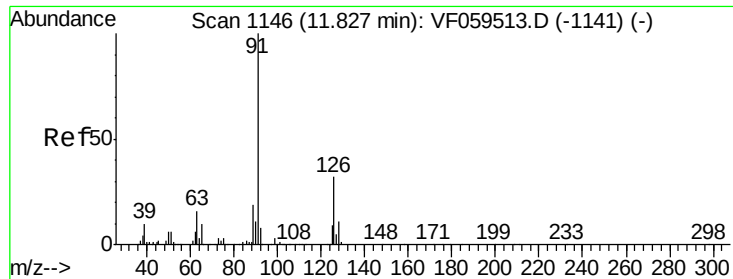
apatel
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#78
n-propylbenzene
Concen: 22.28 ug/l
RT: 11.68 min Scan# 1131
Delta R.T. -0.02 min
Lab File: VF059545.D
Acq: 19 Jul 2018 7:46

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.1	11.3	33.9





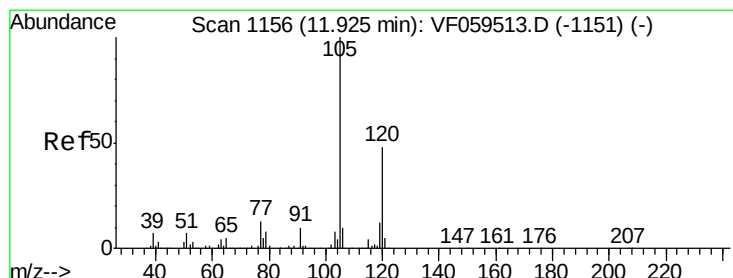
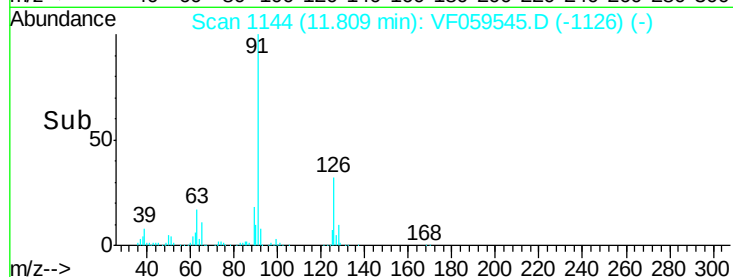
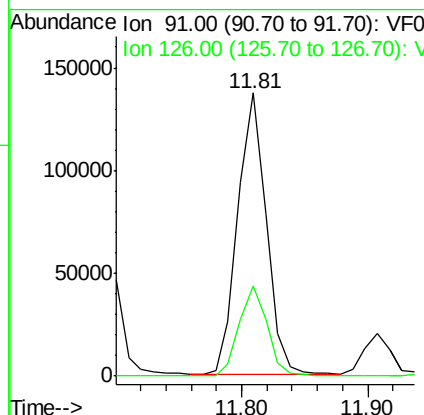
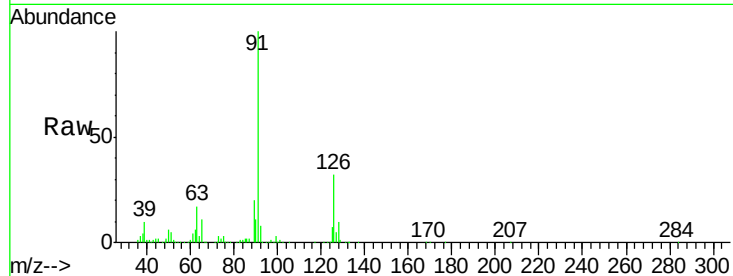
#79
 2-Chlorotoluene
 Concen: 21.41 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. -0.02 min
 Lab File: VF059545.D
 Acq: 19 Jul 2018 7:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0719SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	213786		
126	31.9	15.7	47.1	

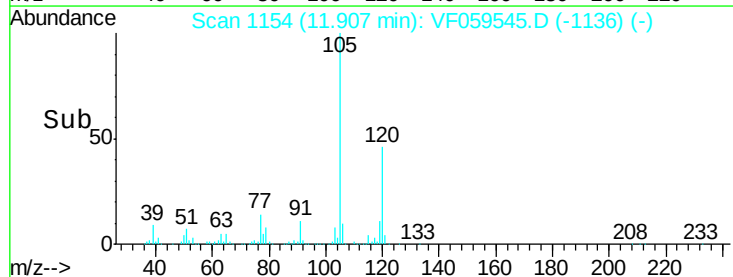
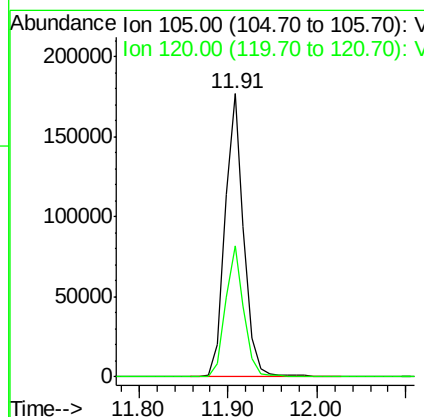
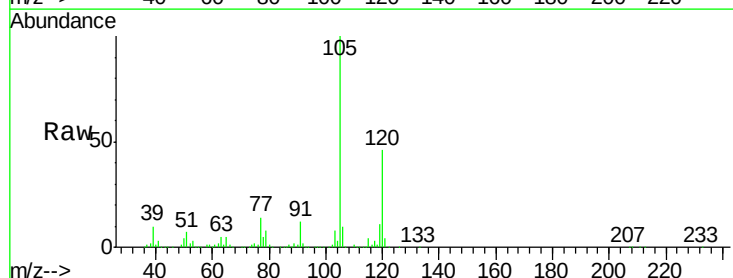
Manual Integrations
 APPROVED

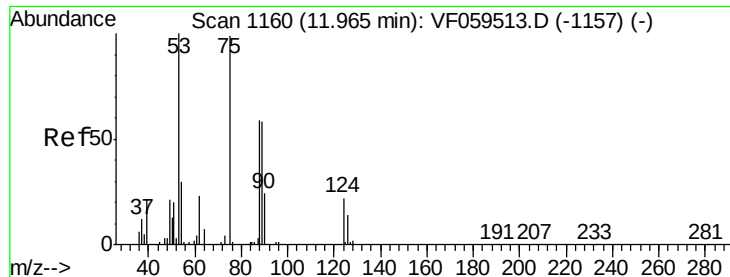
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 22.08 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. -0.02 min
 Lab File: VF059545.D
 Acq: 19 Jul 2018 7:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	261542		
120	46.2	24.1	72.4	





#81

trans-1,4-Dichloro-2-butene

Concen: 14.69 ug/l m

RT: 11.96 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

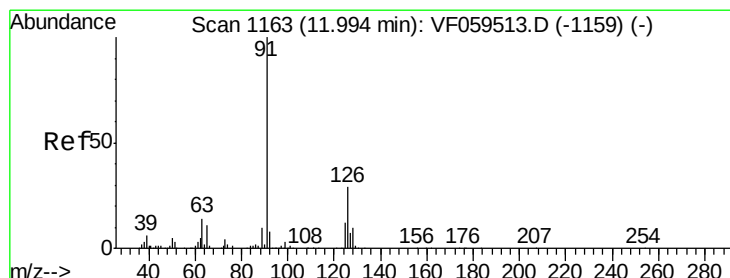
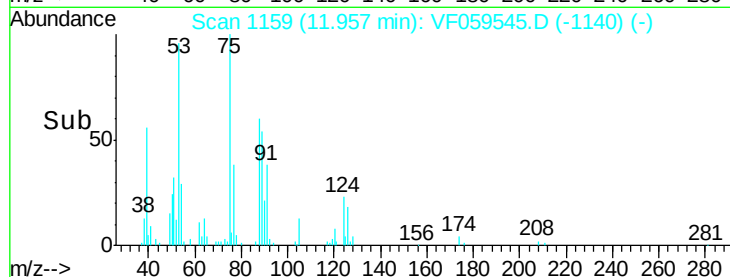
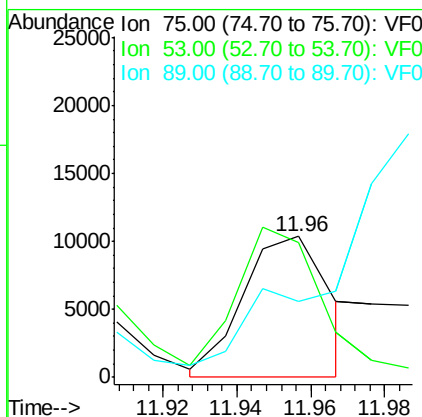
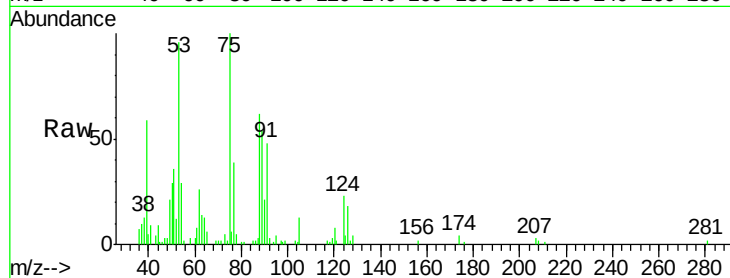
ClientSampleId :

VF0719SBS01

Tot Ion:	75	Resp:	16887
Ion Ratio	Lower	Upper	
75	100		
53	96.0	84.6	127.0
89	54.3	48.2	72.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.44 ug/l

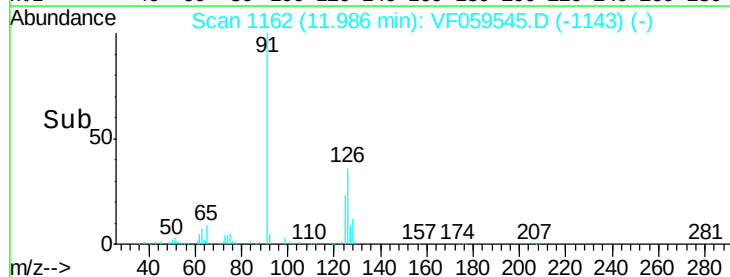
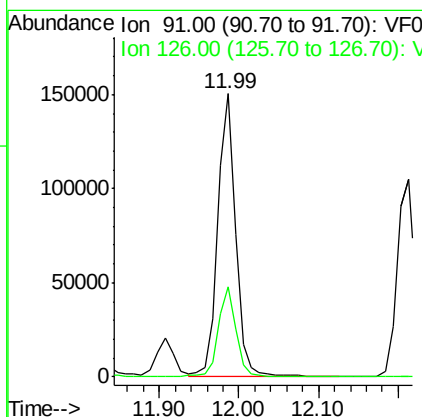
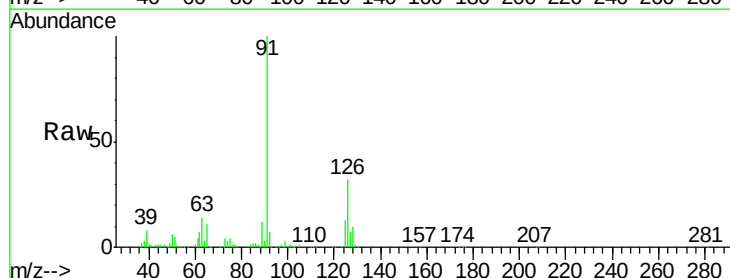
RT: 11.99 min Scan# 1162

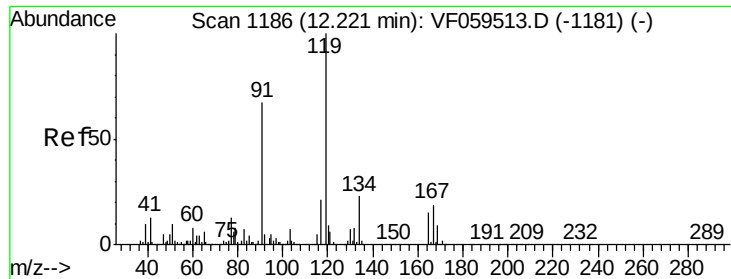
Delta R.T. -0.01 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Tgt Ion:	91	Resp:	239925
Ion Ratio	Lower	Upper	
91	100		
126	32.0	14.4	43.4





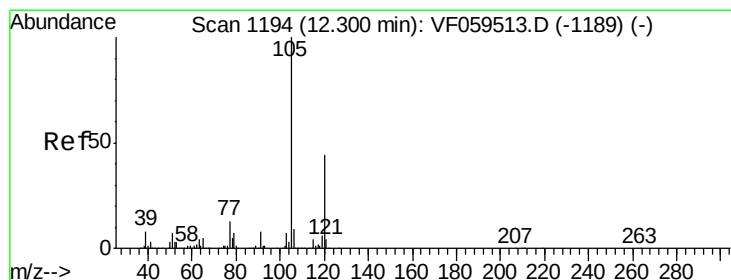
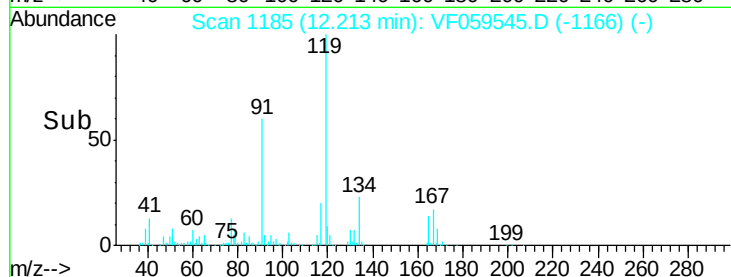
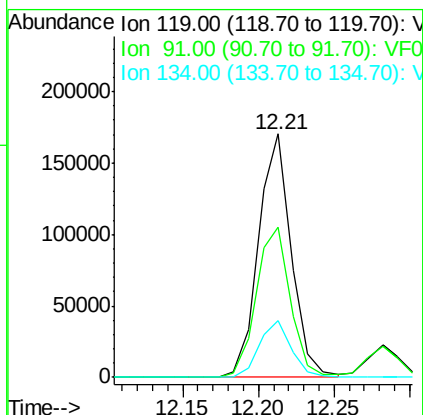
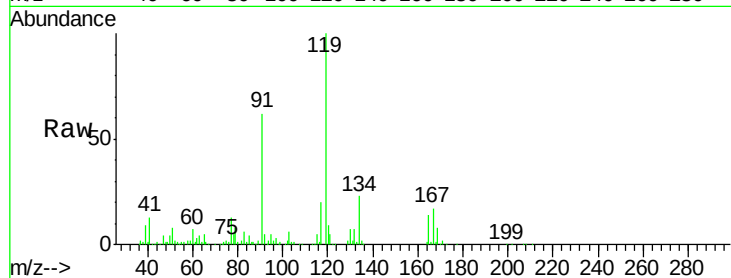
#83
 tert-Butylbenzene
 Concen: 22.73 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: VF059545.D
 Acq: 19 Jul 2018 7:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0719SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.5	33.5	100.5
134	23.4	11.3	33.8

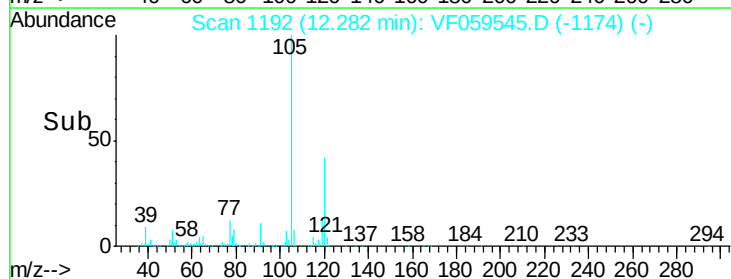
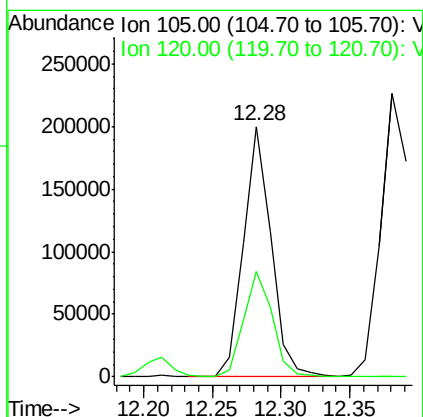
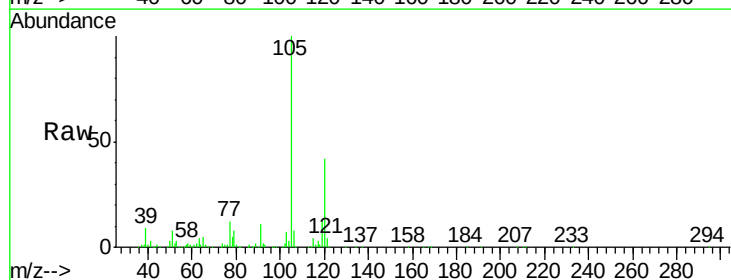
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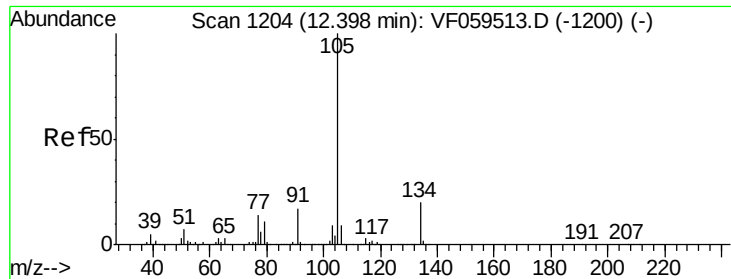
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#84
 1,2,4-Trimethylbenzene
 Concen: 23.11 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.02 min
 Lab File: VF059545.D
 Acq: 19 Jul 2018 7:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.4	22.5	67.5





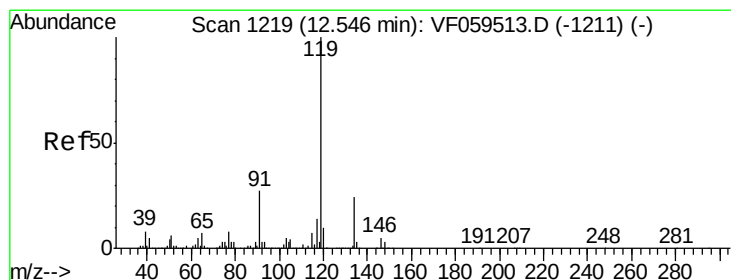
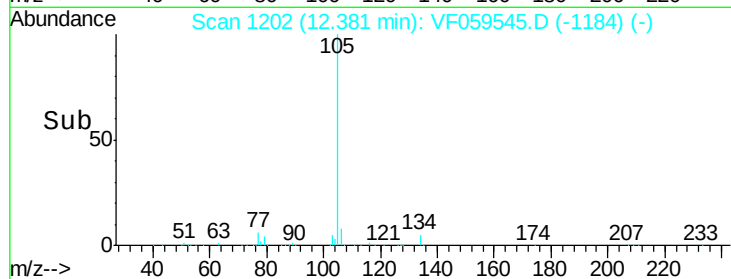
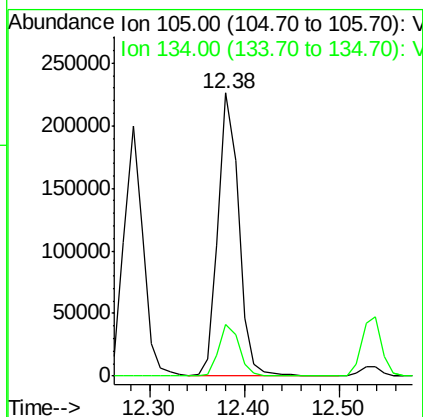
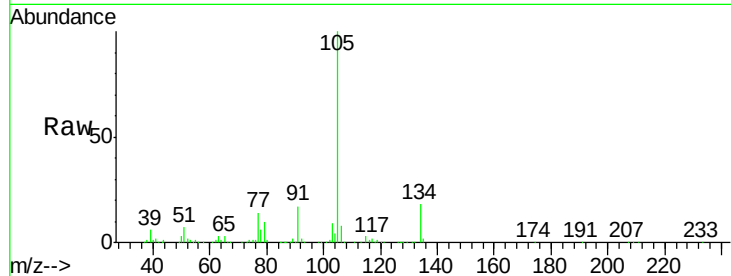
#85
 sec-Butylbenzene
 Concen: 23.73 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.02 min
 Lab File: VF059545.D
 Acq: 19 Jul 2018 7:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0719SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.4	10.1	30.1

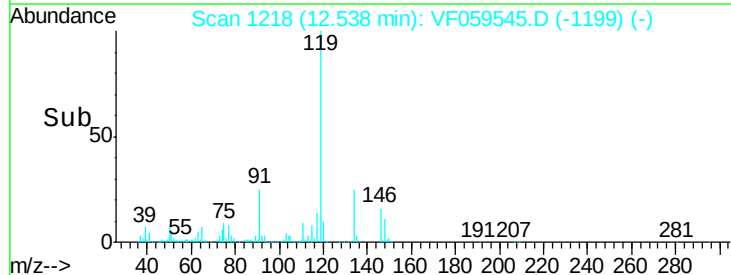
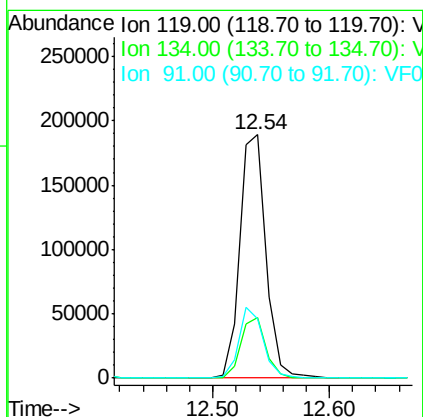
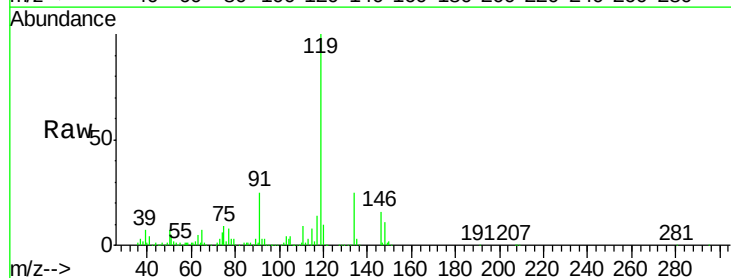
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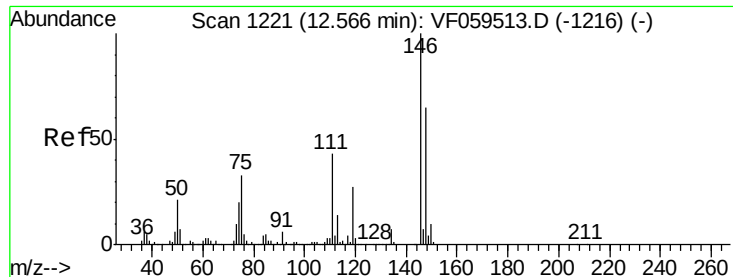
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#86
 p-Isopropyltoluene
 Concen: 23.29 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF059545.D
 Acq: 19 Jul 2018 7:46

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.0	36.0
91	24.6	13.5	40.4





#87

1,3-Dichlorobenzene

Concen: 22.02 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

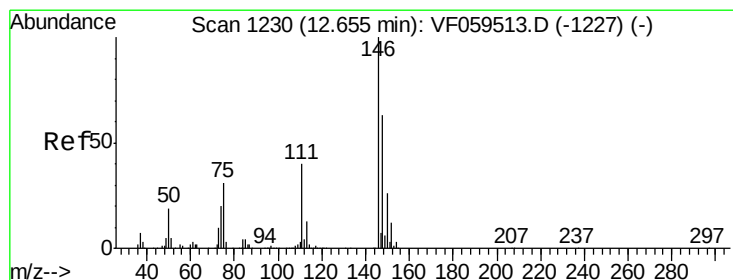
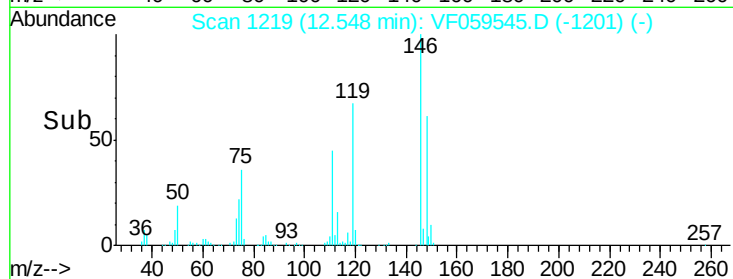
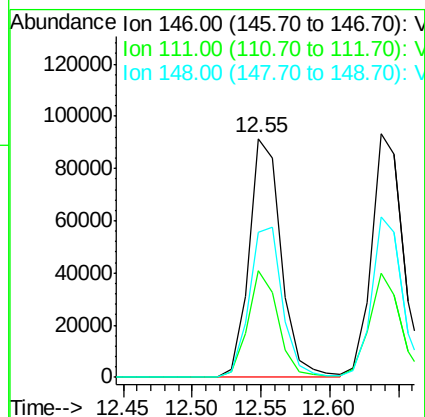
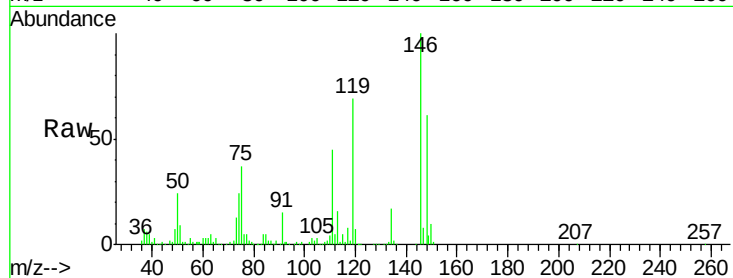
ClientSampleId :

VF0719SBS01

Tot Ion:	146	Resp:	149642
Ion Ratio	Lower	Upper	
146	100		
111	44.8	21.4	64.3
148	60.9	32.7	98.1

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#88

1,4-Dichlorobenzene

Concen: 22.47 ug/l

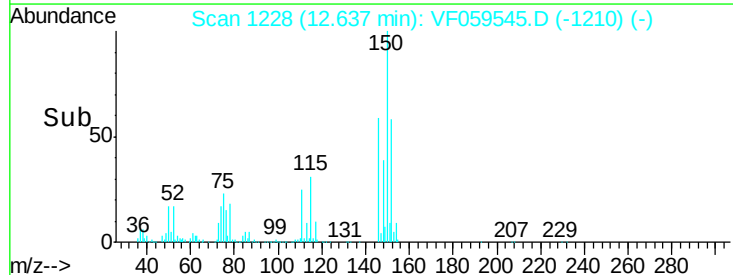
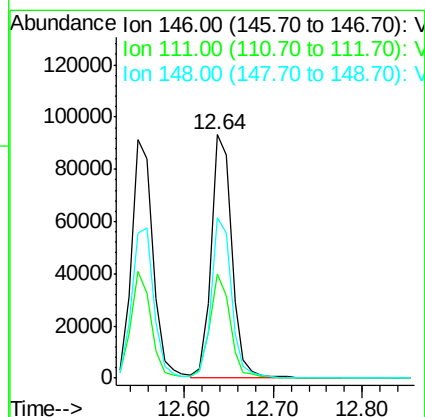
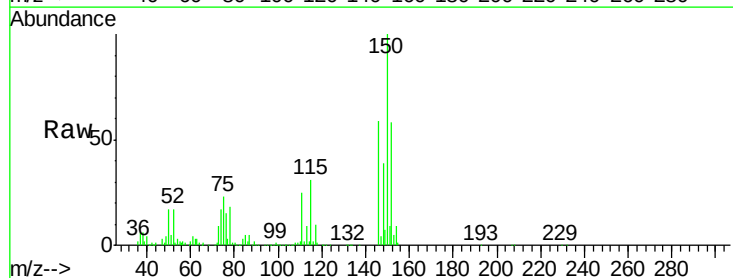
RT: 12.64 min Scan# 1228

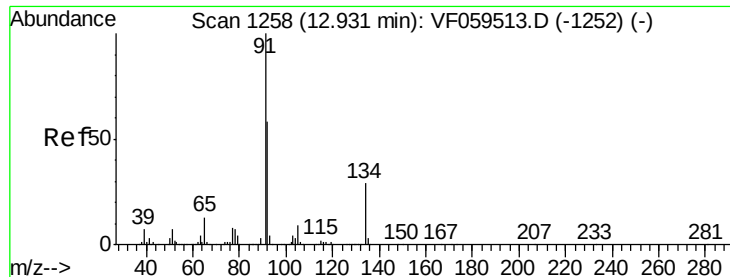
Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Tgt Ion:	146	Resp:	150460
Ion Ratio	Lower	Upper	
146	100		
111	42.5	20.0	59.9
148	65.7	31.5	94.5





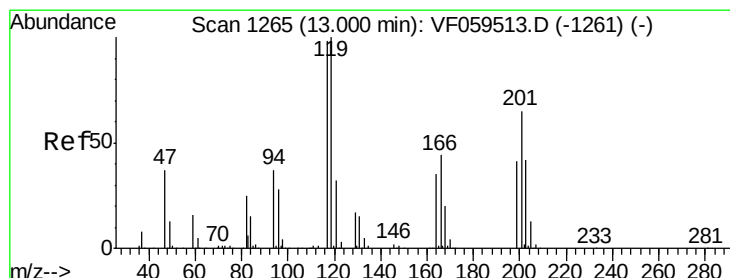
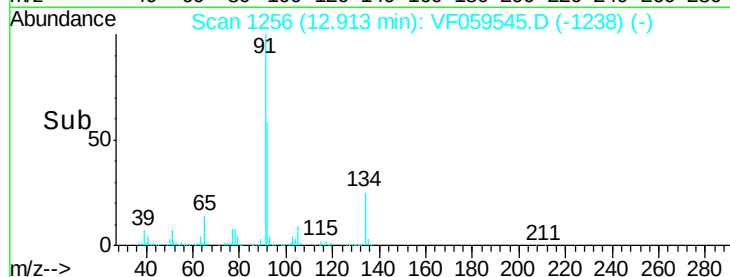
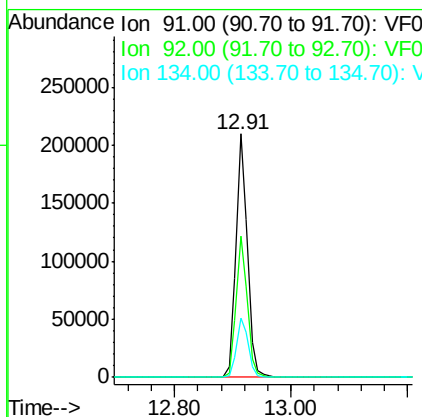
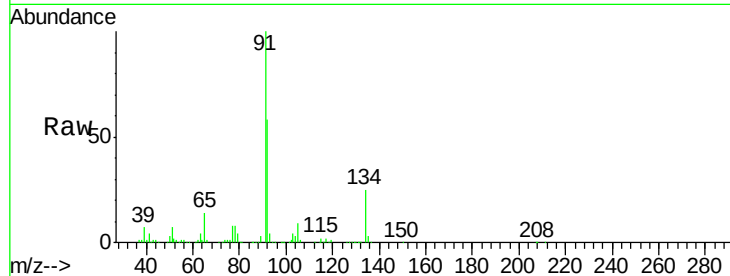
#89
n-Butylbenzene
Concen: 24.24 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.02 min
Lab File: VF059545.D
Acq: 19 Jul 2018 7:46

Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	285261		
92	57.8		29.1	87.3
134	24.5		14.3	42.9

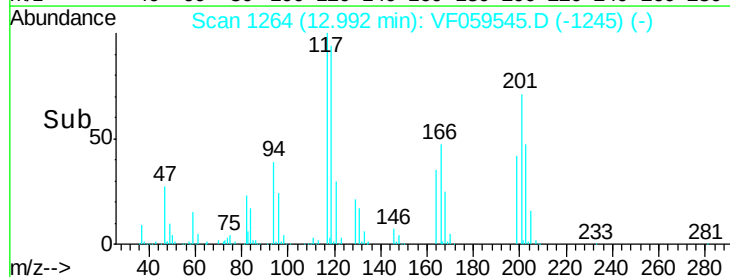
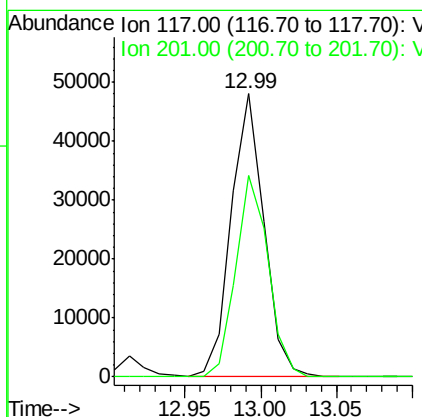
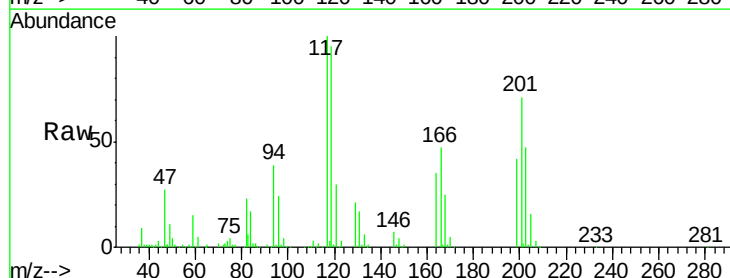
Manual Integrations
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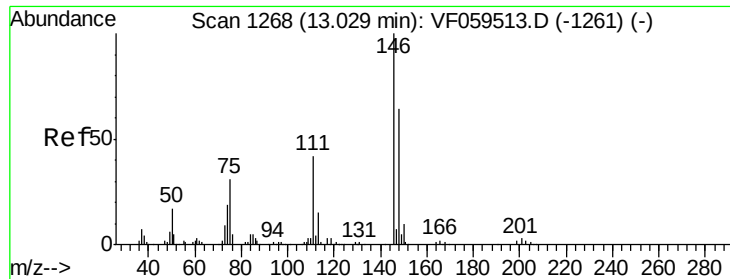
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#90
Hexachloroethane
Concen: 25.34 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VF059545.D
Acq: 19 Jul 2018 7:46

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	72400		
201	72.9		32.6	98.0





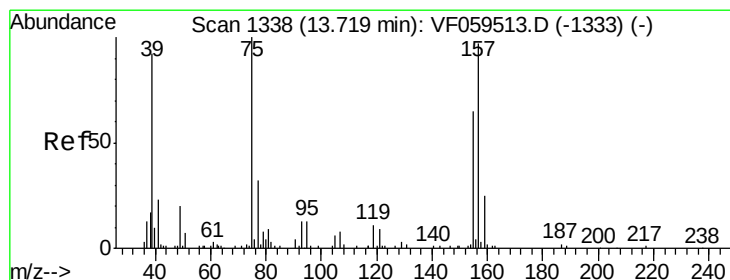
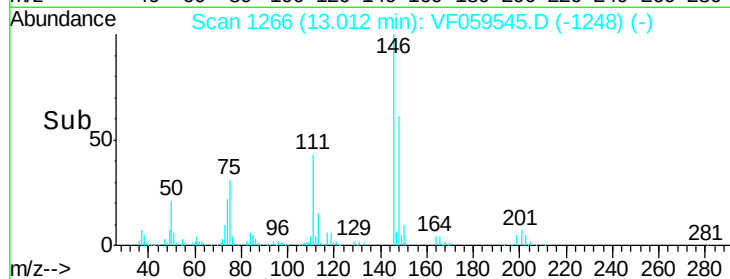
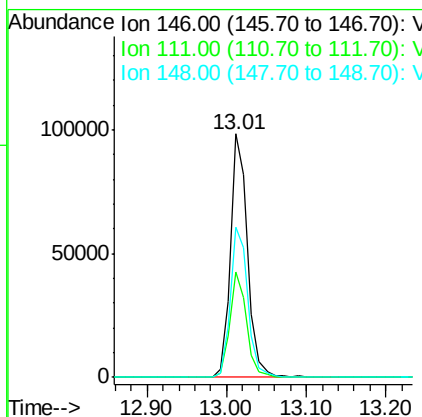
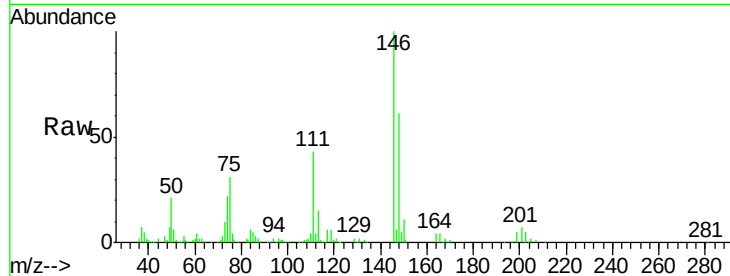
#91
 1,2-Dichlorobenzene
 Concen: 22.86 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. -0.02 min
 Lab File: VF059545.D
 Acq: 19 Jul 2018 7:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0719SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.1	63.1
148	61.4	32.3	96.8

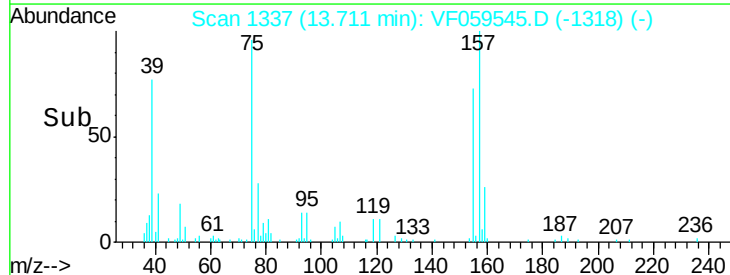
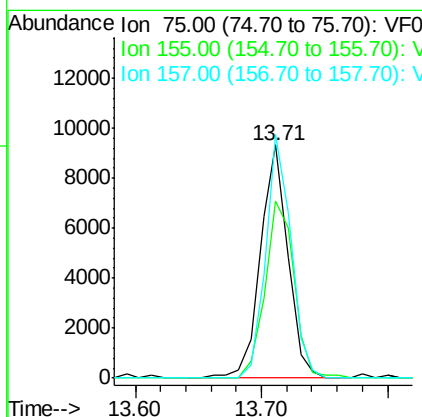
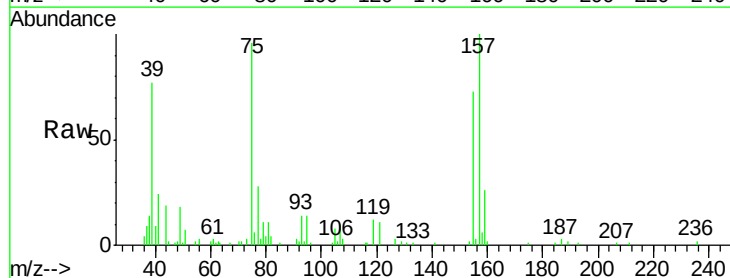
Manual Integrations
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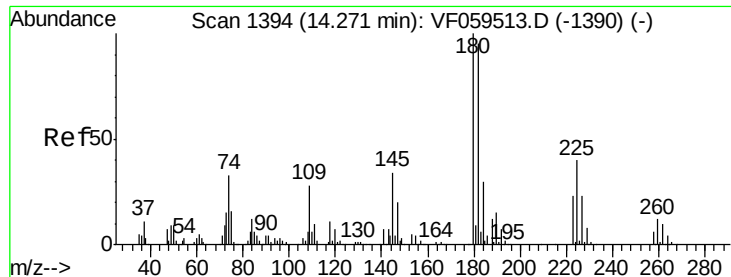
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.26 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VF059545.D
 Acq: 19 Jul 2018 7:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.9	32.8	98.3
157	104.4	48.5	145.5





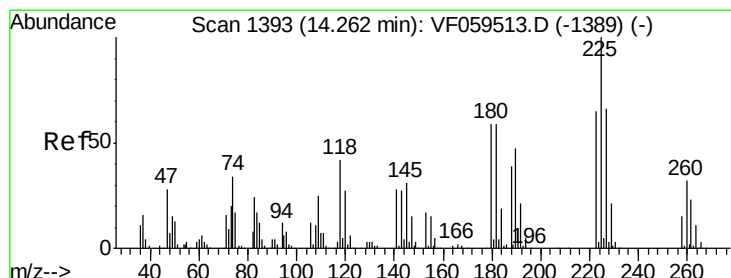
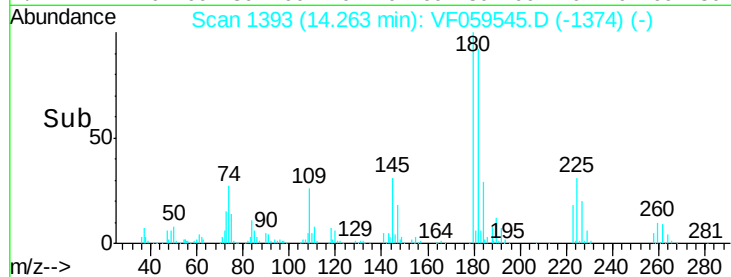
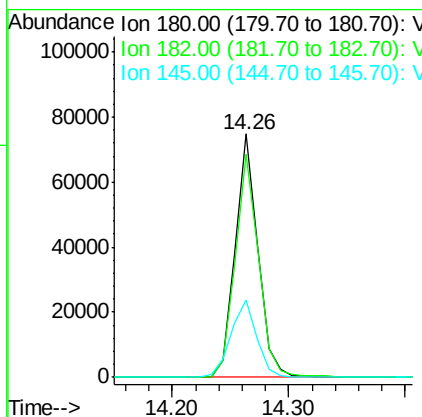
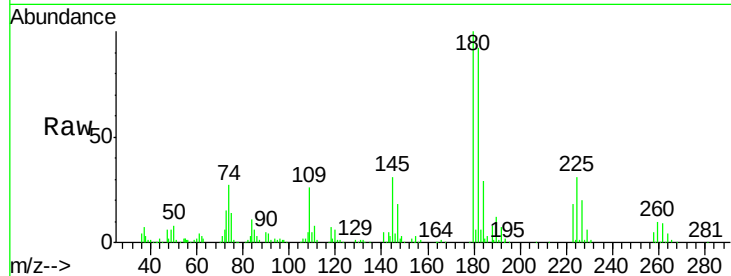
#93
 1,2,4-Trichlorobenzene
 Concen: 25.66 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059545.D
 Acq: 19 Jul 2018 7:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0719SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	91.7	47.5	142.5	
145	31.5	17.3	51.7	

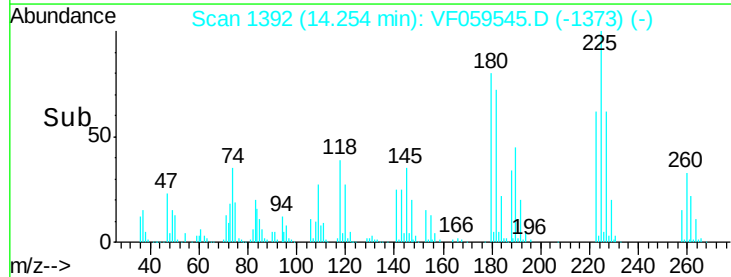
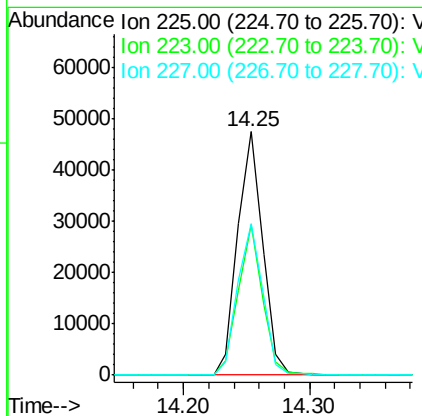
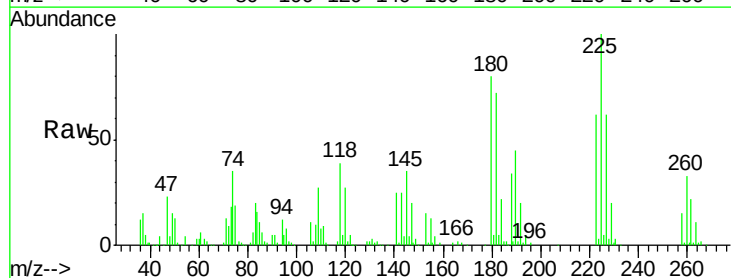
Manual Integrations
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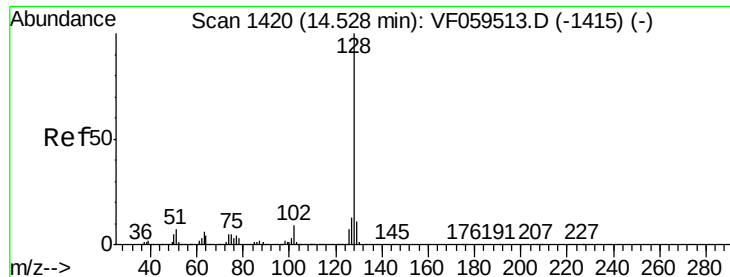
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#94
 Hexachlorobutadiene
 Concen: 32.07 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059545.D
 Acq: 19 Jul 2018 7:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.7	32.3	96.8	
227	62.0	33.2	99.6	





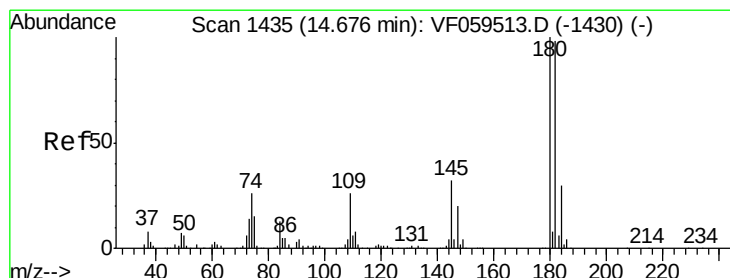
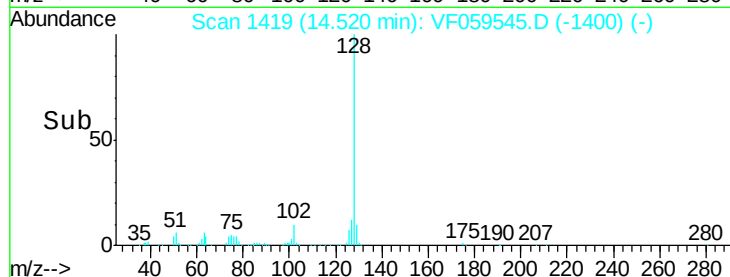
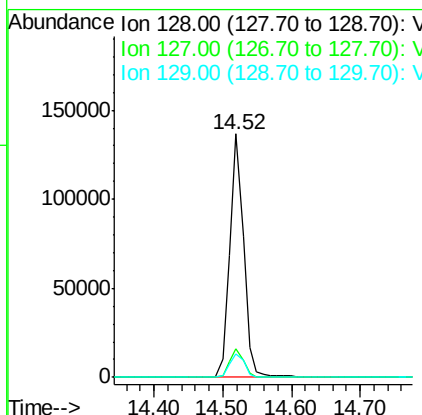
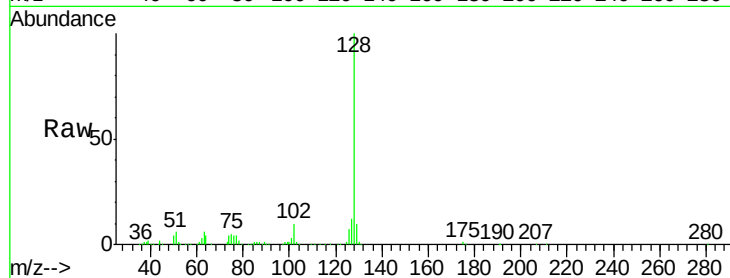
#95
Naphthalene
Concen: 23.28 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF059545.D
Acq: 19 Jul 2018 7:46

Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	191018		
127	11.5	10.2	15.2	
129	9.8	9.0	13.4	

Manual Integrations
APPROVED

apatel
7/19/2018 3:17:16 PM



#96
1,2,3-Trichlorobenzene
Concen: 27.88 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. -0.01 min
Lab File: VF059545.D
Acq: 19 Jul 2018 7:46

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	99502		
182	94.4	48.8	146.4	
145	30.4	16.2	48.6	

