

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071018\
 Data File : VF059482.D
 Acq On : 10 Jul 2018 14:15
 Operator : VA/AP
 Sample : VF0710SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0710SBS01

Manual Integrations
 APPROVED

apatel
 7/11/2018 11:33:38 AM

Quant Time: Jul 10 15:56:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 06:35:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	287105	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.74	114	419879	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	406014	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	246759	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	226691	45.40	ug/l	0.01
Spiked Amount	50.000		Recovery	=	90.80%	
35) Dibromofluoromethane	4.27	113	190158	47.20	ug/l	0.01
Spiked Amount	50.000		Recovery	=	94.40%	
50) Toluene-d8	7.69	98	463570	48.91	ug/l	0.01
Spiked Amount	50.000		Recovery	=	97.82%	
62) 4-Bromofluorobenzene	11.49	95	253956	48.04	ug/l	0.01
Spiked Amount	50.000		Recovery	=	96.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	71319	17.64	ug/l	86
3) Chloromethane	1.08	50	39942	20.03	ug/l	95
4) Vinyl Chloride	1.13	62	42156	20.24	ug/l	99
5) Bromomethane	1.33	94	25763	16.12	ug/l	95
6) Chloroethane	1.42	64	19346	17.61	ug/l	96
7) Trichlorofluoromethane	1.48	101	87932m	19.88	ug/l	
8) Diethyl Ether	1.69	74	18710	20.18	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.88	101	48194	20.11	ug/l	92
10) Methyl Iodide	1.95	142	80987	18.15	ug/l	98
11) Tert butyl alcohol	2.67	59	22043	96.90	ug/l	97
12) 1,1-Dichloroethene	1.84	96	43510	20.05	ug/l	81
13) Acrolein	2.07	56	15565	88.30	ug/l	97
14) Allyl chloride	2.17	41	75590	20.06	ug/l	79
15) Acrylonitrile	3.06	53	41912	100.90	ug/l	92
16) Acetone	2.33	43	91630	122.68	ug/l	99
17) Carbon Disulfide	1.85	76	114394	20.04	ug/l	98
18) Methyl Acetate	2.44	43	32923	18.98	ug/l	95
19) Methyl tert-butyl Ether	2.52	73	136444	19.30	ug/l	99
20) Methylene Chloride	2.31	84	50272m	21.14	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	45459	19.69	ug/l	95
22) Diisopropyl ether	2.91	45	160532	20.57	ug/l	98
23) Vinyl Acetate	3.31	43	507413	111.98	ug/l	99
24) 1,1-Dichloroethane	2.98	63	102442	19.63	ug/l	99
25) 2-Butanone	4.50	43	111370	109.43	ug/l	93
26) 2,2-Dichloropropane	3.74	77	71955	23.92	ug/l	98
27) cis-1,2-Dichloroethene	3.61	96	57721	20.34	ug/l	92
28) Bromochloromethane	3.86	49	46658	21.54	ug/l	94
29) Tetrahydrofuran	4.24	42	51532	108.02	ug/l	99
30) Chloroform	4.01	83	138386	18.74	ug/l	97
31) Cyclohexane	3.84	56	67455	22.29	ug/l	96
32) 1,1,1-Trichloroethane	4.24	97	107096	18.86	ug/l	98
36) 1,1-Dichloropropene	4.44	75	96469	21.75	ug/l	94
37) Ethyl Acetate	4.27	43	55266	21.24	ug/l #	89
38) Carbon Tetrachloride	4.14	117	127363	20.10	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	82065	22.03	ug/l	96
40) Benzene	4.78	78	181421	20.88	ug/l	97
41) Methacrylonitrile	4.90	41	25621	21.43	ug/l	95
42) 1,2-Dichloroethane	5.10	62	112218	17.82	ug/l	92
43) Isopropyl Acetate	7.10	43	60556	20.33	ug/l	97
44) Trichloroethene	5.65	130	69429	21.66	ug/l	94
45) 1,2-Dichloropropane	6.38	63	52014	20.84	ug/l	98
46) Dibromomethane	6.23	93	45590	19.93	ug/l	92
47) Bromodichloromethane	6.53	83	114349	19.65	ug/l #	92
48) Methyl methacrylate	6.85	41	42052	19.78	ug/l	93
49) 1,4-Dioxane	6.85	88	4634	480.26	ug/l #	90
51) 4-Methyl-2-Pentanone	8.39	43	225492	101.58	ug/l	99
52) Toluene	7.76	92	138542	21.35	ug/l	99
53) t-1,3-Dichloropropene	8.41	75	102818	20.40	ug/l	92
54) cis-1,3-Dichloropropene	7.43	75	106513	21.17	ug/l	96
55) 1,1,2-Trichloroethane	8.63	97	47469	18.75	ug/l	96
56) Ethyl methacrylate	8.74	69	59111	20.63	ug/l	99
57) 1,3-Dichloropropane	8.98	76	84251	19.48	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.76	63	27226	99.24	ug/l	100
59) 2-Hexanone	9.61	43	178872	108.41	ug/l	96
60) Dibromochloromethane	8.84	129	82249	19.49	ug/l	99
61) 1,2-Dibromoethane	9.12	107	61721	19.84	ug/l	100
64) Tetrachloroethene	8.28	164	67521	19.86	ug/l	96
65) Chlorobenzene	9.93	112	169467	21.42	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	77587	21.28	ug/l	95
67) Ethyl Benzene	10.03	91	308401	22.42	ug/l	100
68) m/p-Xylenes	10.25	106	220739	45.53	ug/l	99
69) o-Xylene	10.81	106	114892	22.02	ug/l	99
70) Styrene	10.88	104	177017	21.77	ug/l	97
71) Bromoform	10.87	173	51642	20.57	ug/l	98
73) Isopropylbenzene	11.22	105	359666	23.98	ug/l	98
74) N-amyl acetate	11.46	43	110003	24.02	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.77	83	75817	22.24	ug/l	95
76) 1,2,3-Trichloropropane	11.87	75	60543	21.81	ug/l	99
77) Bromobenzene	11.58	156	92475	22.28	ug/l	94
78) n-propylbenzene	11.67	91	429616	23.85	ug/l	98
79) 2-Chlorotoluene	11.80	91	259025	23.24	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	308357	23.20	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	34748	24.13	ug/l #	83
82) 4-Chlorotoluene	11.98	91	274528	23.24	ug/l	98
83) tert-Butylbenzene	12.20	119	321267	24.85	ug/l	96
84) 1,2,4-Trimethylbenzene	12.27	105	327816	23.45	ug/l	97
85) sec-Butylbenzene	12.38	105	417963	23.96	ug/l	100
86) p-Isopropyltoluene	12.53	119	358083	24.00	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	168776	21.47	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	165762	21.65	ug/l	96
89) n-Butylbenzene	12.90	91	358584	24.67	ug/l	95
90) Hexachloroethane	12.98	117	83978	21.66	ug/l	83
91) 1,2-Dichlorobenzene	13.01	146	172345	22.11	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	16089	18.85	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	136904	23.64	ug/l	96
94) Hexachlorobutadiene	14.24	225	82728	23.58	ug/l	99
95) Naphthalene	14.51	128	249402	21.67	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	124681	22.19	ug/l	96

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

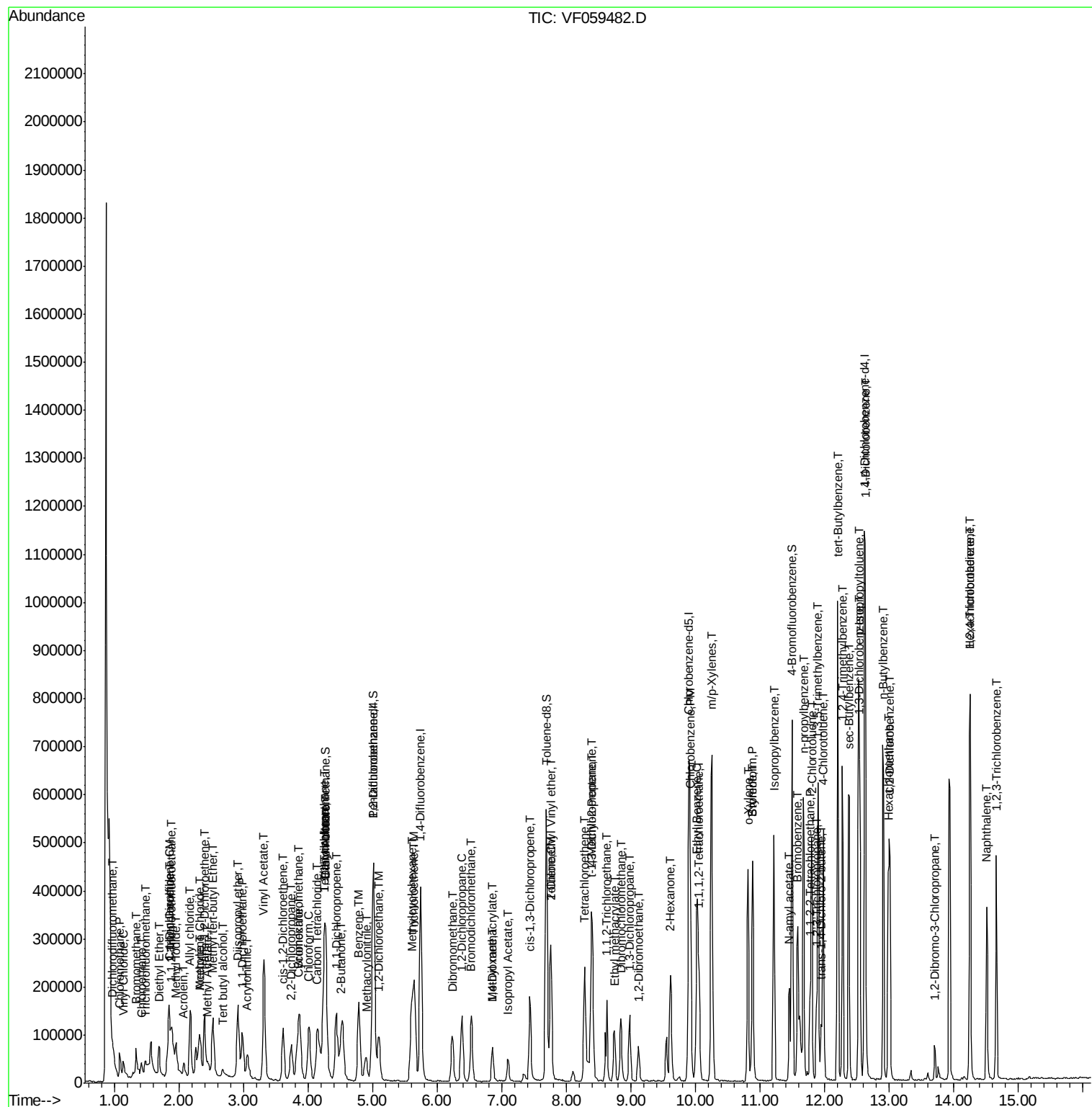
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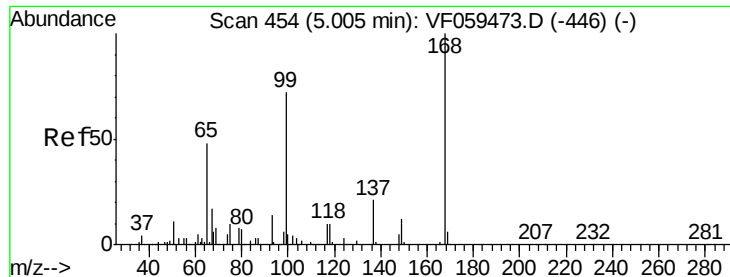
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0710SBSD01

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.02 min Scan# 455

Delta R.T. 0.01 min

Lab File: VF059482.D

Acq: 10 Jul 2018 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0710SBSD01

Tot Ion:168 Resp: 287105

Ion Ratio Lower Upper

168 100

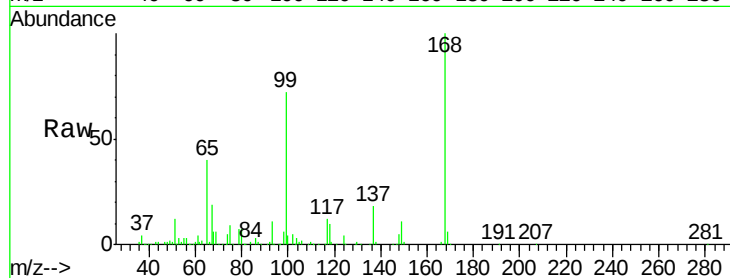
99 71.6 57.7 86.5

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

100000

80000

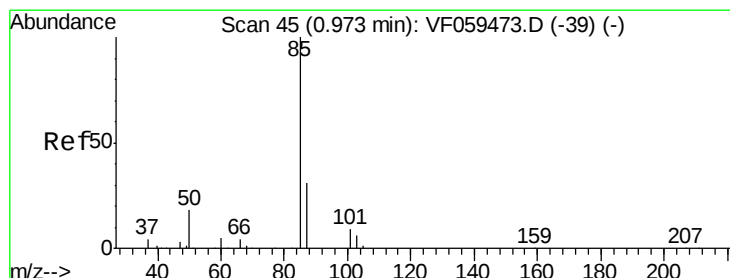
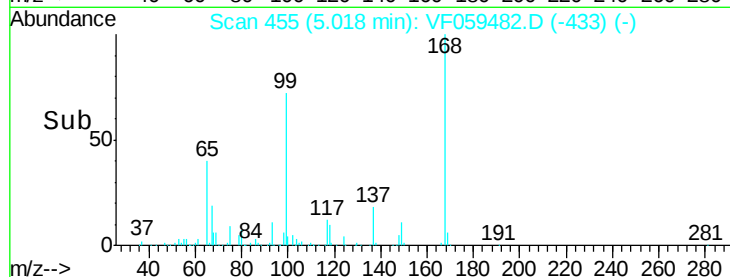
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.64 ug/l

RT: 0.98 min Scan# 45

Delta R.T. 0.00 min

Lab File: VF059482.D

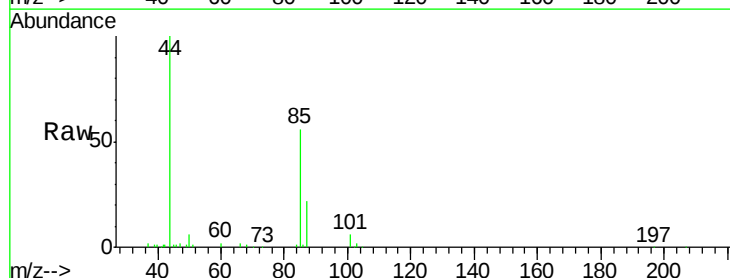
Acq: 10 Jul 2018 14:15

Tgt Ion: 85 Resp: 71319

Ion Ratio Lower Upper

85 100

87 38.8 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

20000

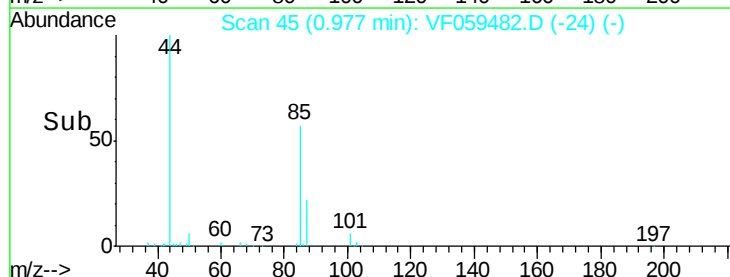
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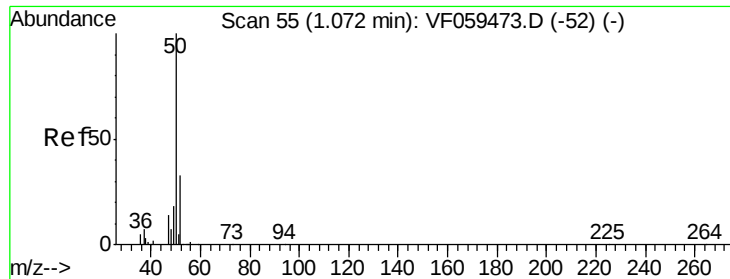
10000

5000

0

Time-->





#3

Chloromethane

Concen: 20.03 ug/l

RT: 1.08 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF059482.D

Acq: 10 Jul 2018 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0710SBS01

Tot Ion: 50 Resp: 39942

Ion Ratio Lower Upper

50 100

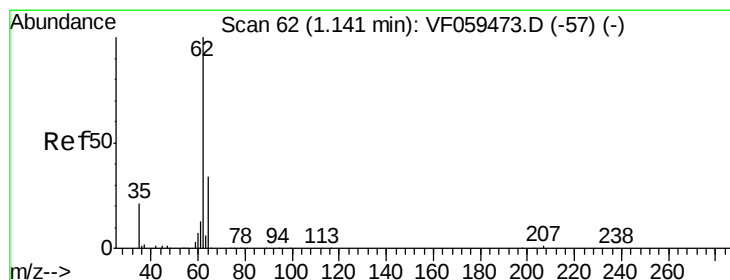
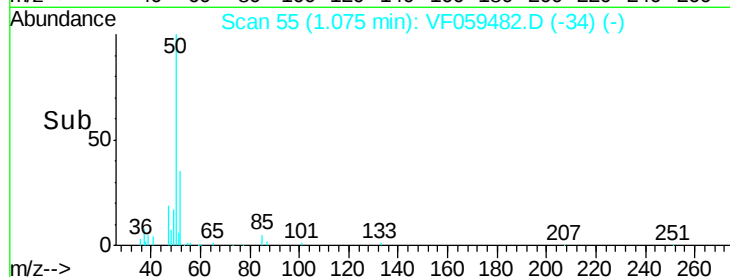
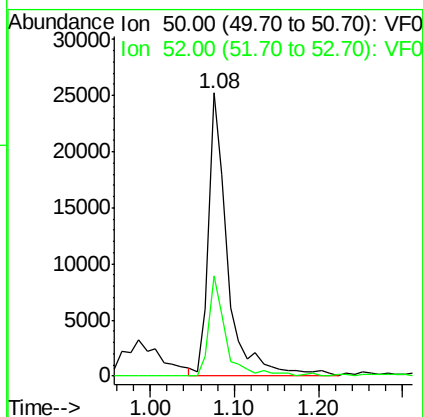
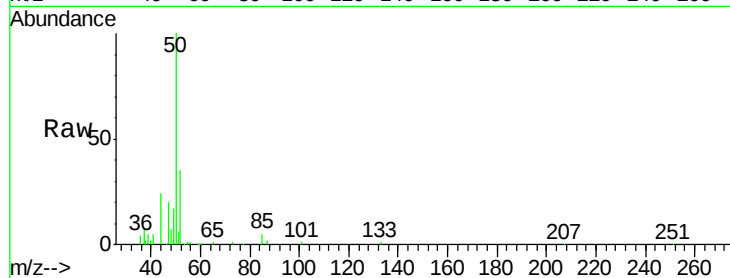
52 35.4 25.9 38.9

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#4

Vinyl Chloride

Concen: 20.24 ug/l

RT: 1.13 min Scan# 61

Delta R.T. -0.01 min

Lab File: VF059482.D

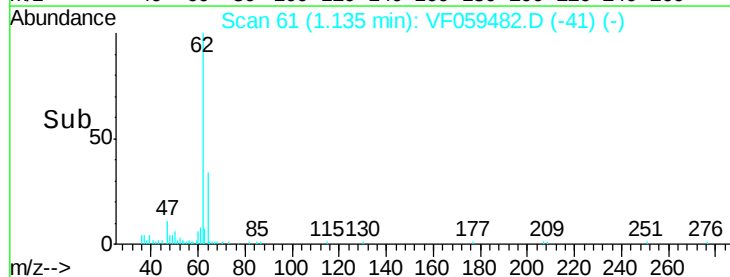
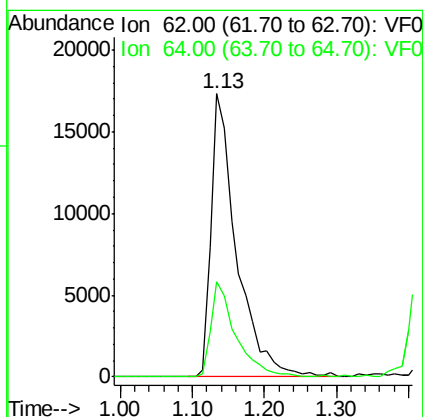
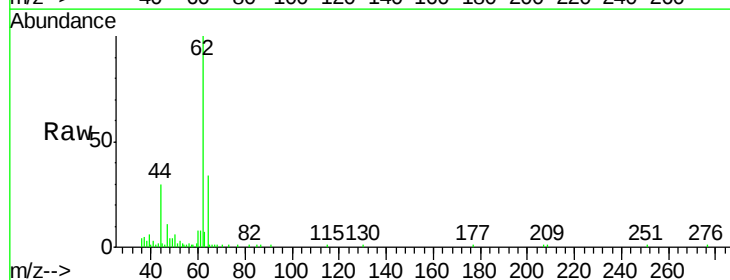
Acq: 10 Jul 2018 14:15

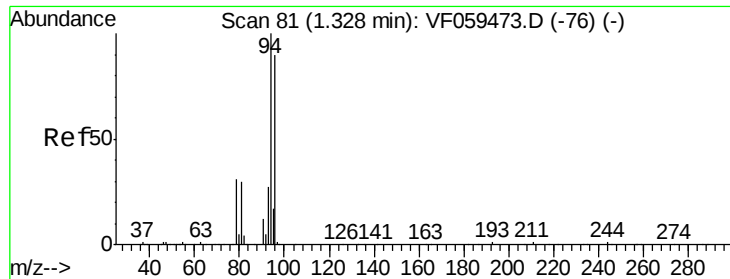
Tgt Ion: 62 Resp: 42156

Ion Ratio Lower Upper

62 100

64 33.6 27.3 40.9





#5

Bromomethane

Concen: 16.12 ug/l

RT: 1.33 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF059482.D

Acq: 10 Jul 2018 14:15

Instrument :

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ClientSampleId :

VF0710SBSD01

Tot Ion: 94 Resp: 25763

Ion Ratio Lower Upper

94 100

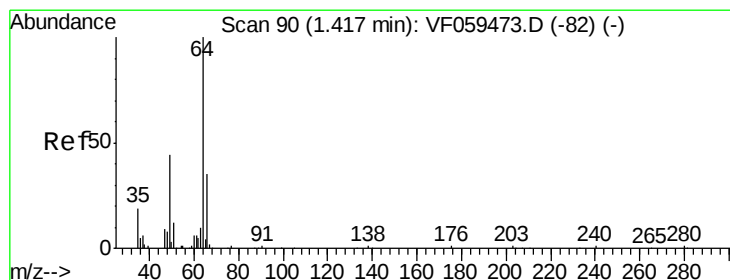
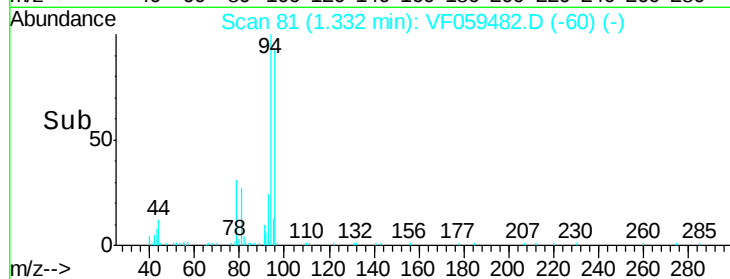
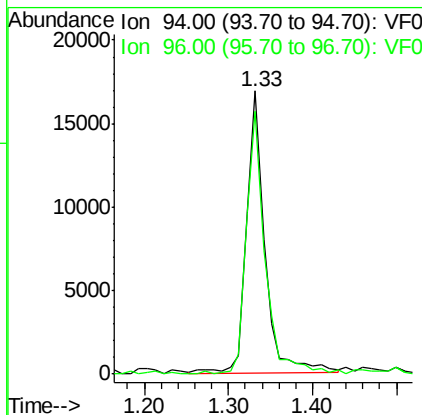
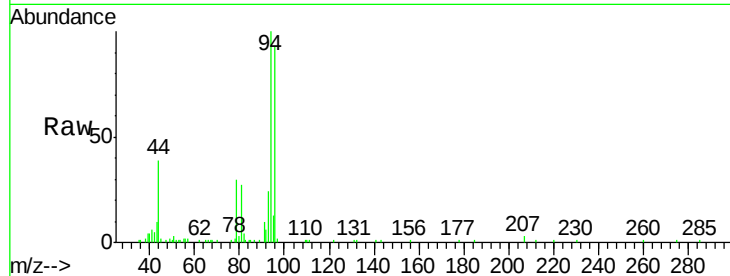
96 94.8 72.0 108.0

Manual Integrations

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#6

Chloroethane

Concen: 17.61 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059482.D

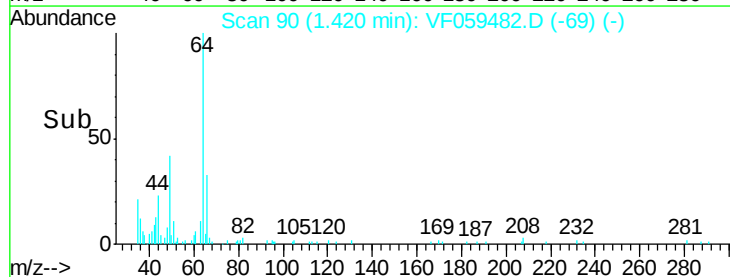
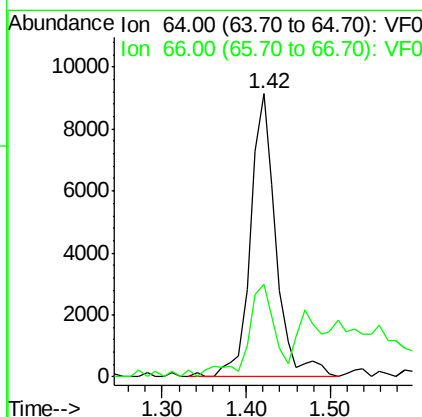
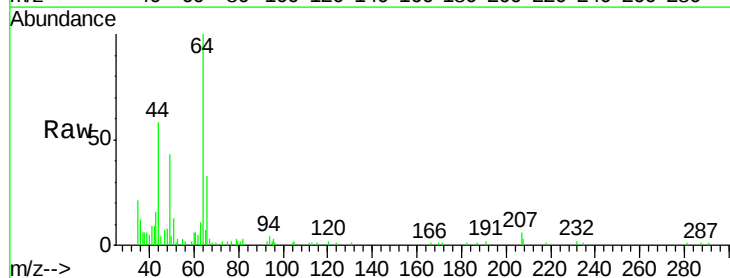
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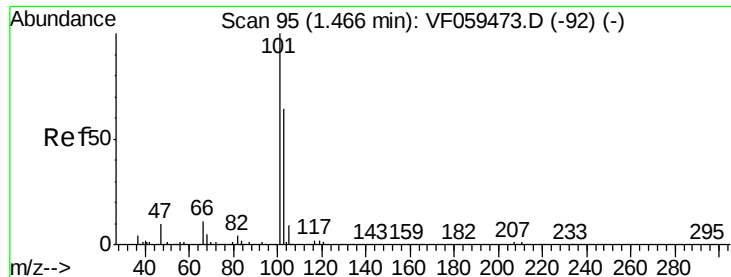
Tgt Ion: 64 Resp: 19346

Ion Ratio Lower Upper

64 100

66 32.6 28.1 42.1





#7

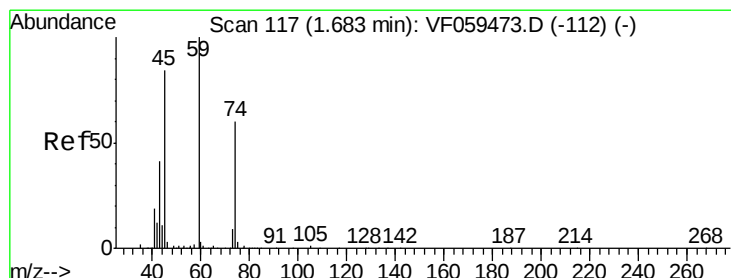
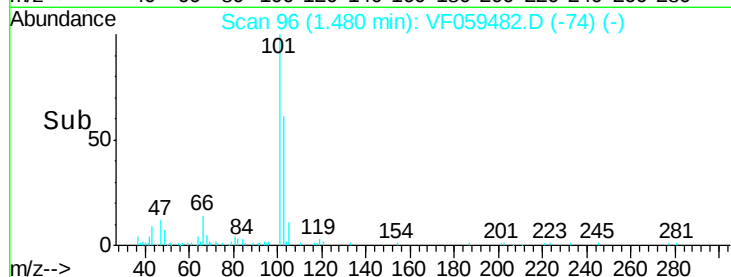
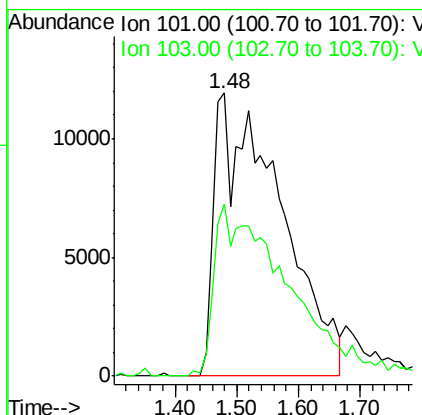
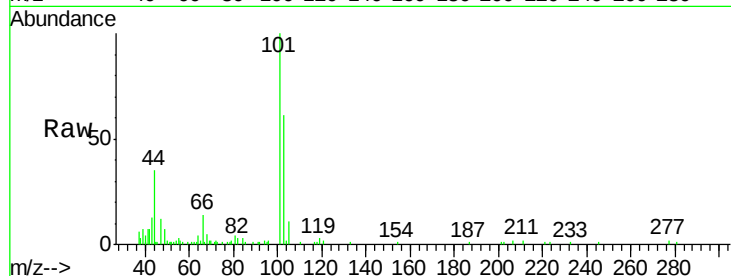
Trichlorofluoromethane
Concen: 19.88 ug/l m
RT: 1.48 min Scan# 96
Delta R.T. 0.01 min
Lab File: VF059482.D
Acq: 10 Jul 2018 14:15

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.8	51.2	76.8

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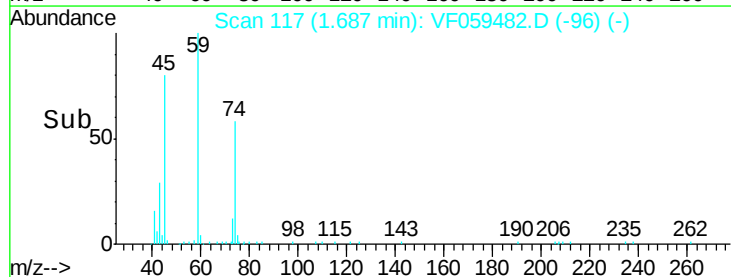
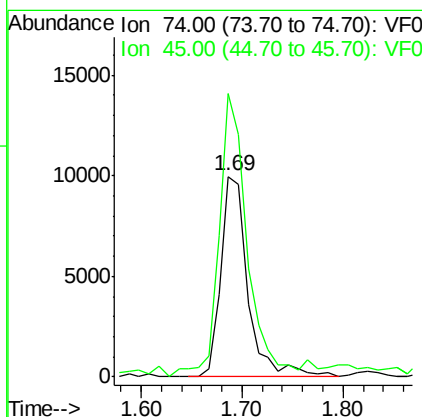
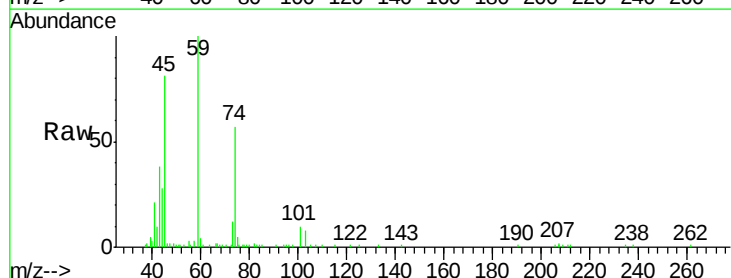
apatel
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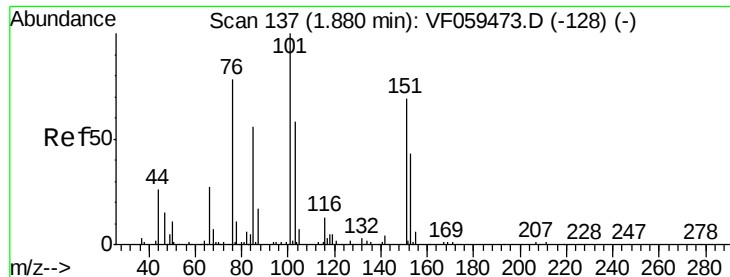


#8

Diethyl Ether
Concen: 20.18 ug/l
RT: 1.69 min Scan# 117
Delta R.T. 0.00 min
Lab File: VF059482.D
Acq: 10 Jul 2018 14:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	141.1	71.1	213.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.11 ug/l

RT: 1.88 min Scan# 137

Delta R.T. 0.00 min

Lab File: VF059482.D

Acq: 10 Jul 2018 14:15

Instrument :

MSVOA_F

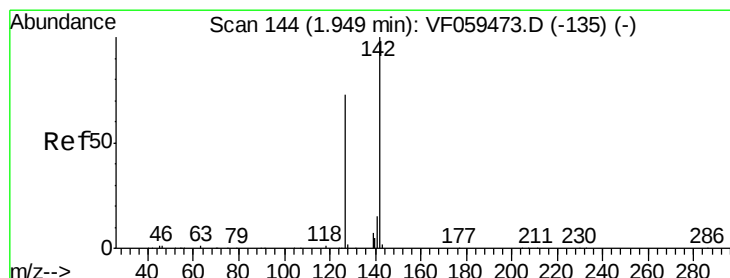
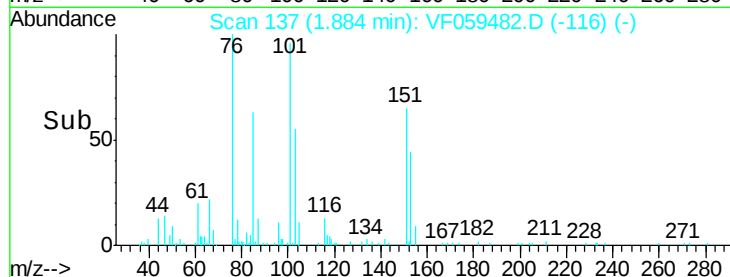
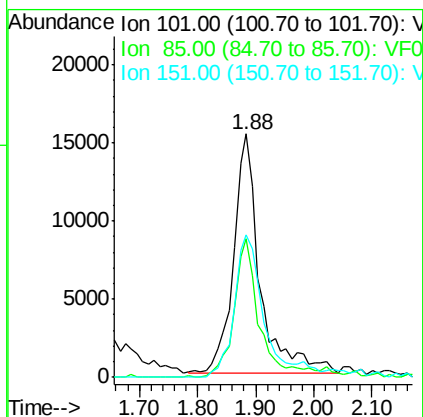
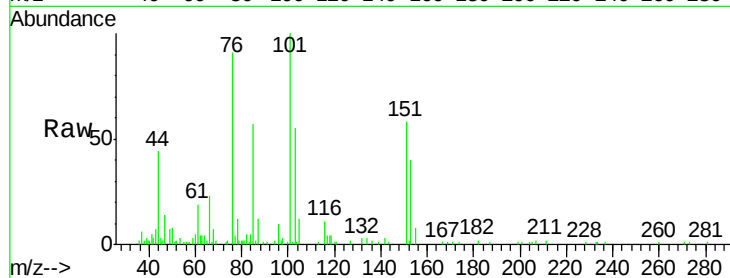
ClientSampleId :

VF0710SBSD01

Tot Ion:	101	Resp:	48194
Ion Ratio	Lower	Upper	
101	100		
85	56.7	43.8	65.8
151	58.3	54.2	81.4

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#10

Methyl Iodide

Concen: 18.15 ug/l

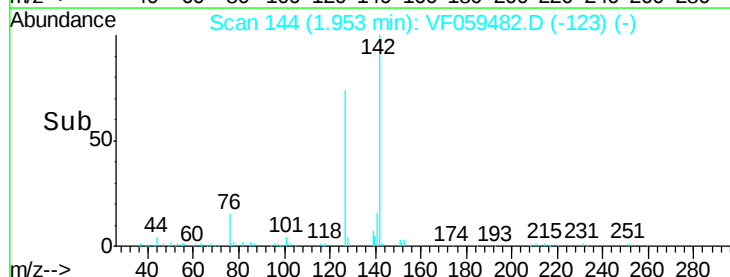
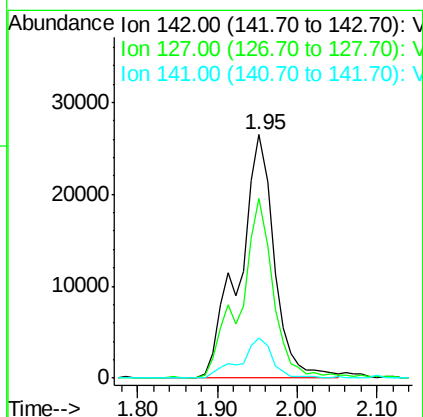
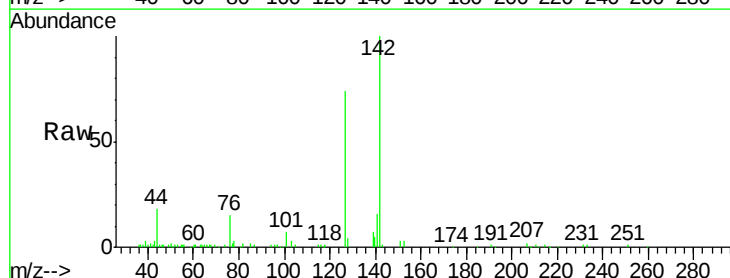
RT: 1.95 min Scan# 144

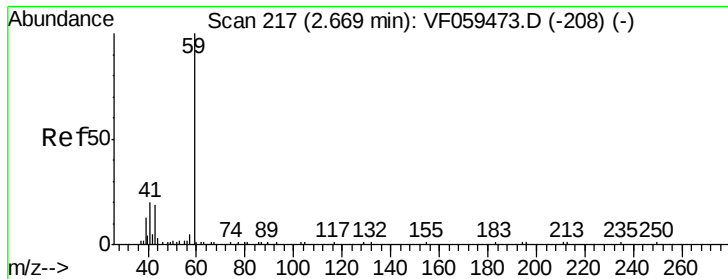
Delta R.T. 0.00 min

Lab File: VF059482.D

Acq: 10 Jul 2018 14:15

Tgt Ion:	142	Resp:	80987
Ion Ratio	Lower	Upper	
142	100		
127	73.8	58.2	87.2
141	16.2	11.7	17.5





#11

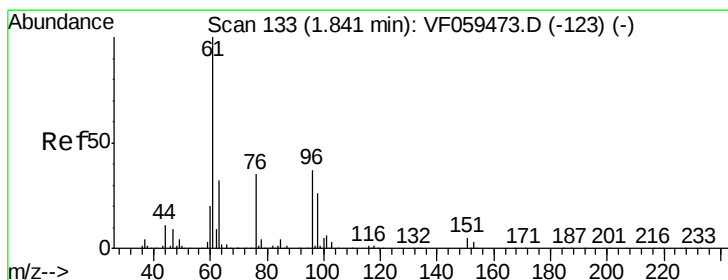
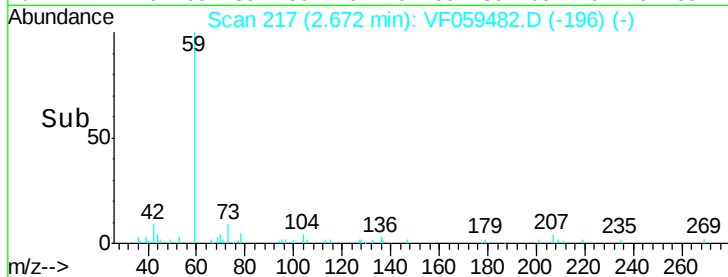
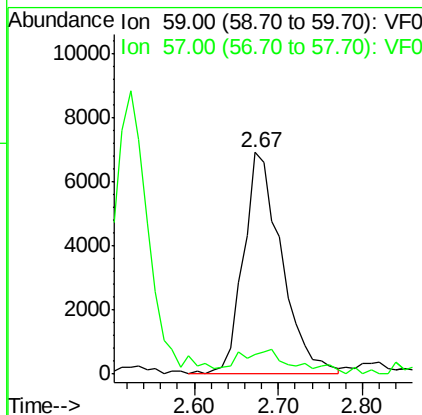
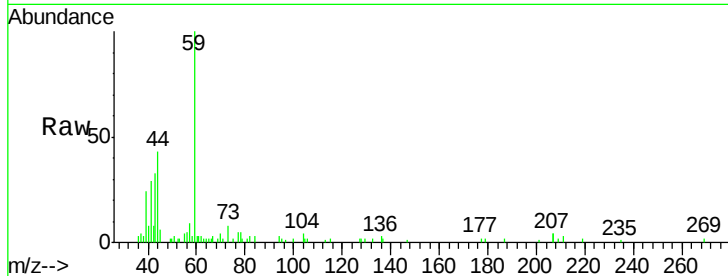
Tert butyl alcohol
Concen: 96.90 ug/l
RT: 2.67 min Scan# 217
Delta R.T. 0.00 min
Lab File: VF059482.D
Acq: 10 Jul 2018 14:15

Instrument :
MSVOA_F
ClientSampleId :
VF0710SBSD01

Tot Ion	59	Resp	22043
Ion Ratio	100	Lower	Upper
57	8.7	7.8	11.8

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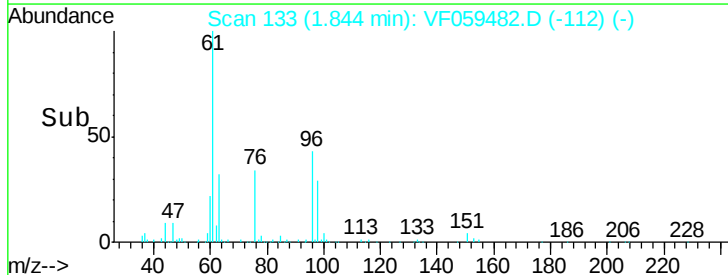
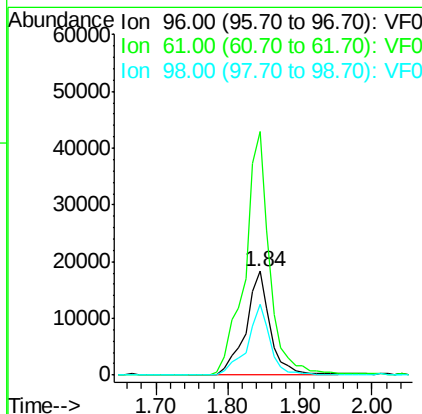
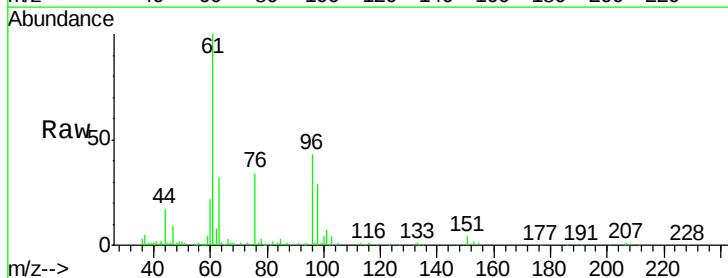
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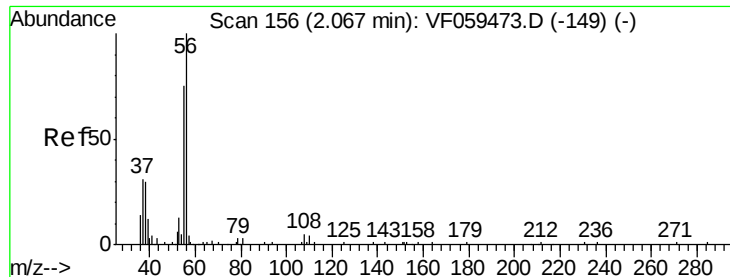


#12

1,1-Dichloroethene
Concen: 20.05 ug/l
RT: 1.84 min Scan# 133
Delta R.T. 0.00 min
Lab File: VF059482.D
Acq: 10 Jul 2018 14:15

Tgt Ion	96	Resp	43510
Ion Ratio	100	Lower	Upper
61	227.1	214.4	321.6
98	66.2	55.6	83.4





#13

Acrolein

Concen: 88.30 ug/l

RT: 2.07 min Scan# 156

Delta R.T. 0.00 min

Lab File: VF059482.D

Acq: 10 Jul 2018 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0710SBSD01

Tot Ion: 56 Resp: 15565

Ion Ratio Lower Upper

56 100

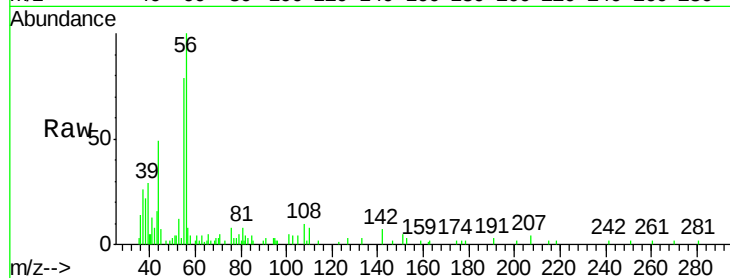
55 79.1 61.2 91.8

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

8000

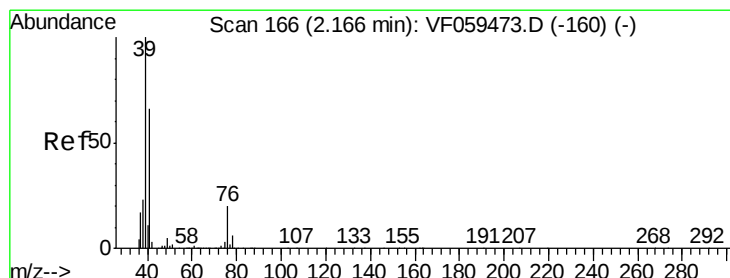
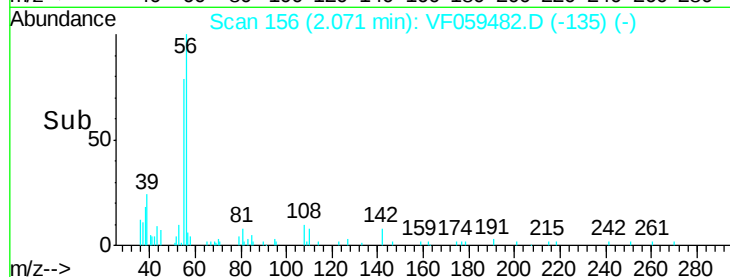
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 20.06 ug/l

RT: 2.17 min Scan# 166

Delta R.T. 0.00 min

Lab File: VF059482.D

Acq: 10 Jul 2018 14:15

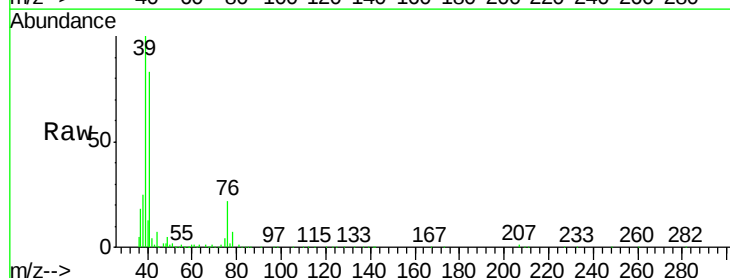
Tgt Ion: 41 Resp: 75590

Ion Ratio Lower Upper

41 100

39 121.2 120.7 181.1

76 26.3 24.0 36.0



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

60000

50000

40000

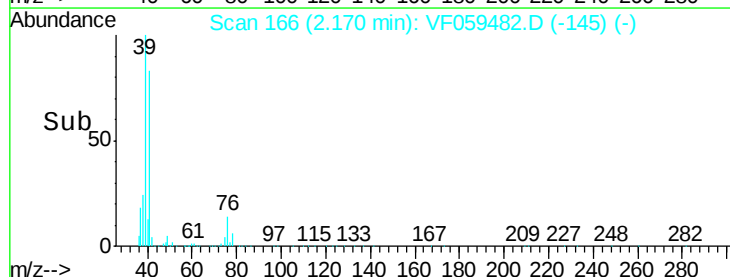
30000

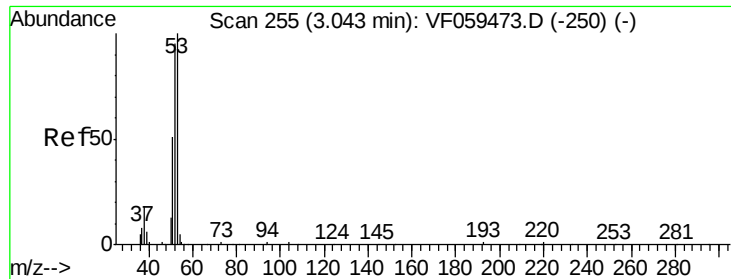
20000

10000

0

Time-->





#15

Acrylonitrile

Concen: 100.90 ug/l

RT: 3.06 min Scan# 256

Delta R.T. 0.01 min

Lab File: VF059482.D

Acq: 10 Jul 2018 14:15

Instrument :

MSVOA_F

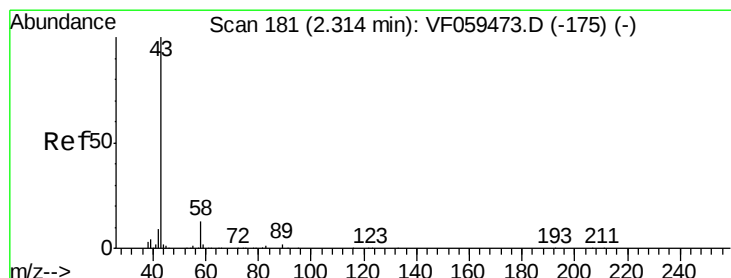
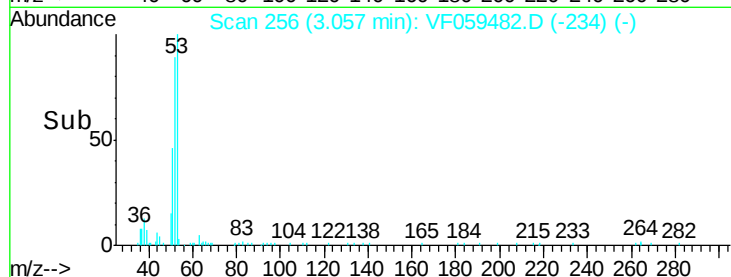
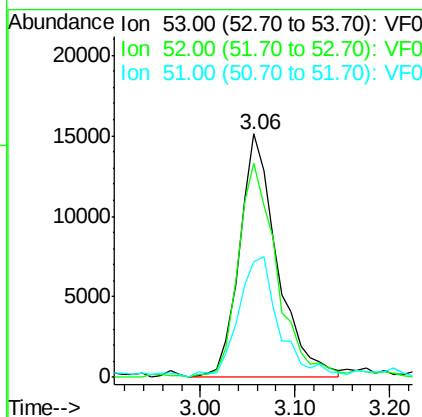
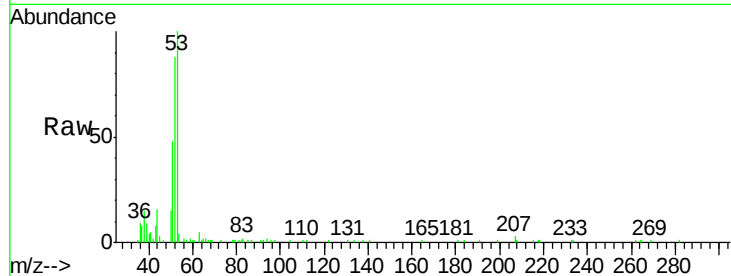
ClientSampleId :

VF0710SBS01

Tot Ion:	53	Resp:	41912
Ion	Ratio	Lower	Upper
53	100		
52	87.7	76.8	115.2
51	47.7	41.8	62.8

Manual Integrations
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#16

Acetone

Concen: 122.68 ug/l

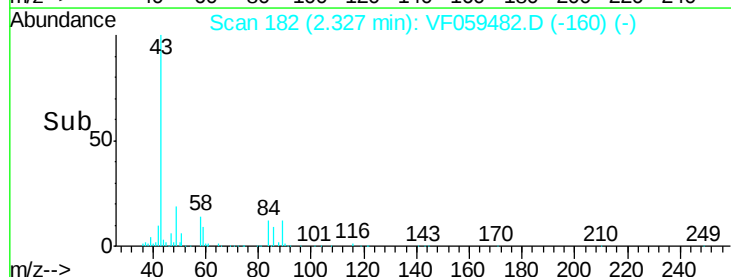
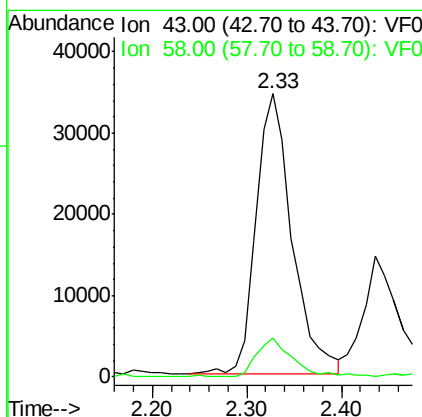
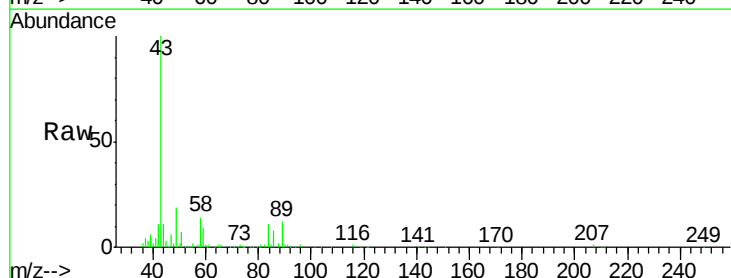
RT: 2.33 min Scan# 182

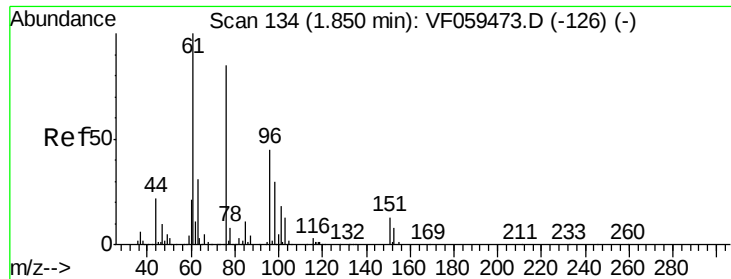
Delta R.T. 0.01 min

Lab File: VF059482.D

Acq: 10 Jul 2018 14:15

Tgt Ion:	43	Resp:	91630
Ion	Ratio	Lower	Upper
43	100		
58	13.7	10.5	15.7





#17

Carbon Disulfide

Concen: 20.04 ug/l

RT: 1.85 min Scan# 134

Delta R.T. 0.00 min

Lab File: VF059482.D

Acq: 10 Jul 2018 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0710SBSD01

Tot Ion: 76 Resp: 114394

Ion Ratio Lower Upper

76 100

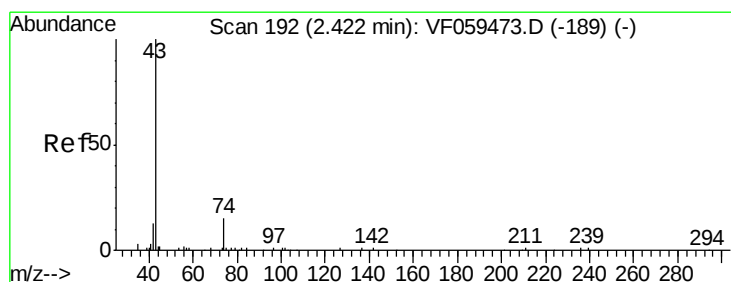
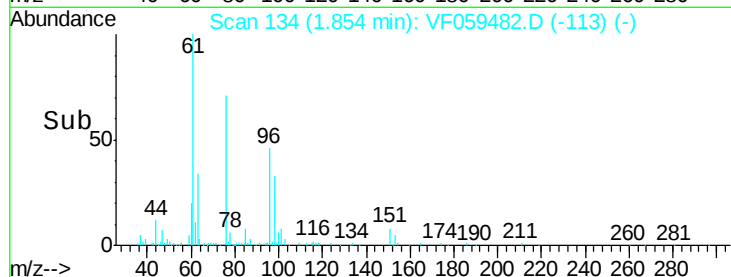
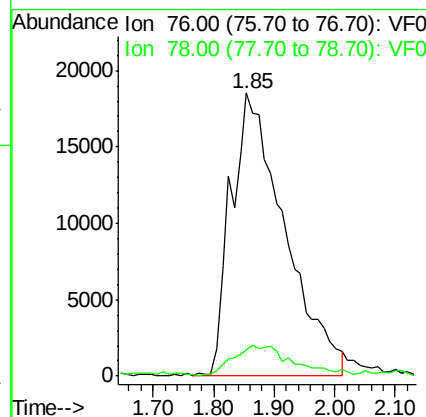
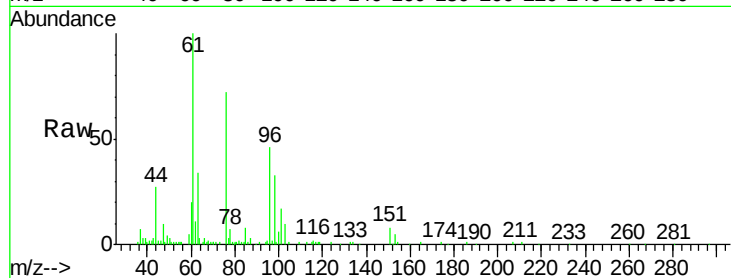
78 9.2 8.0 12.0

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#18

Methyl Acetate

Concen: 18.98 ug/l

RT: 2.44 min Scan# 193

Delta R.T. 0.01 min

Lab File: VF059482.D

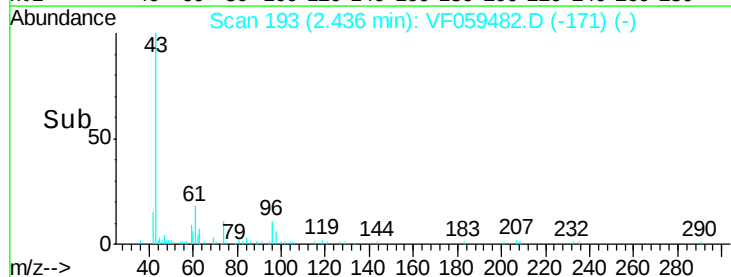
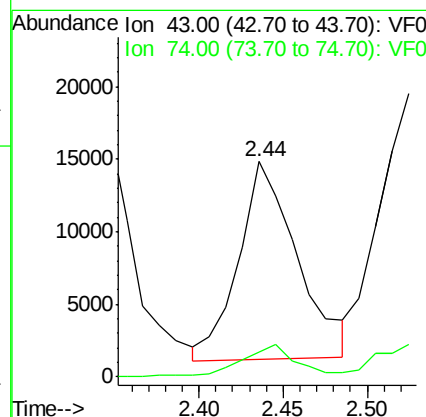
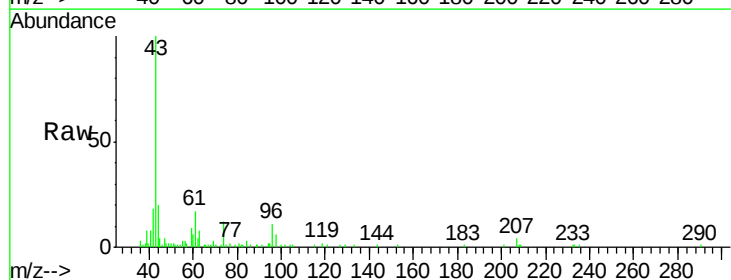
Acq: 10 Jul 2018 14:15

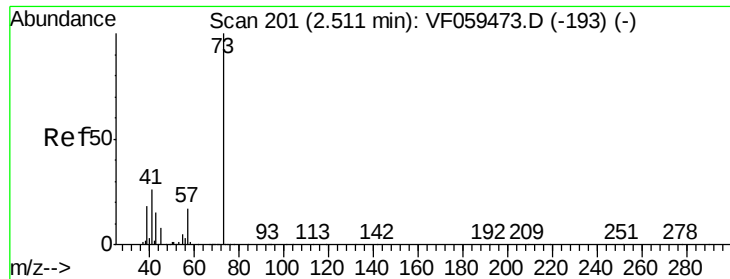
Tgt Ion: 43 Resp: 32923

Ion Ratio Lower Upper

43 100

74 11.6 10.8 16.2





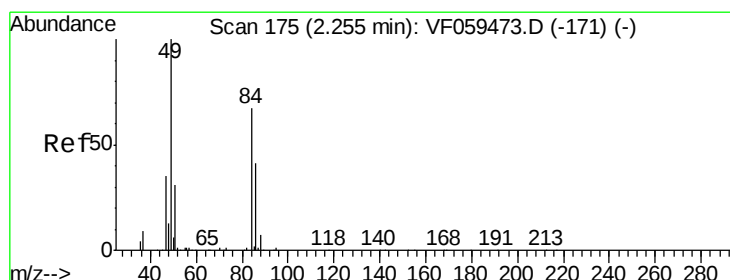
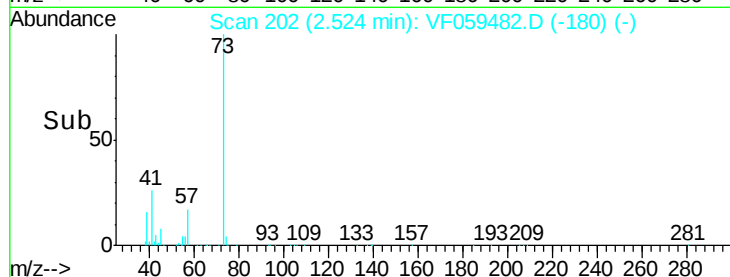
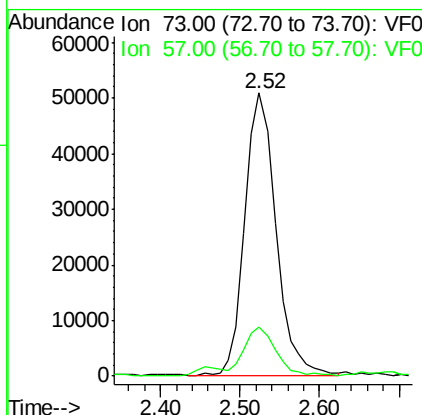
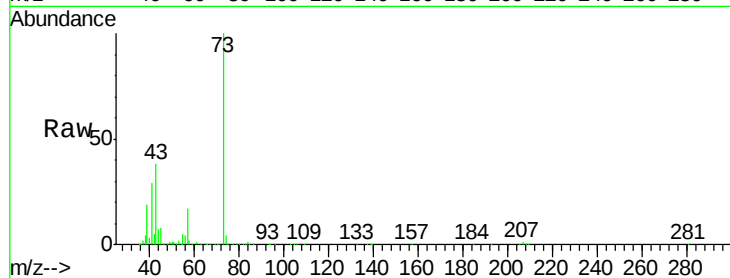
#19
Methyl tert-butyl Ether
Concen: 19.30 ug/l
RT: 2.52 min Scan# 202
Delta R.T. 0.01 min
Lab File: VF059482.D
Acq: 10 Jul 2018 14:15

Instrument :
MSVOA_F
ClientSampleId :
VF0710SBS01

Tot Ion: 73 Resp: 136444
Ion Ratio Lower Upper
73 100
57 17.4 13.7 20.5

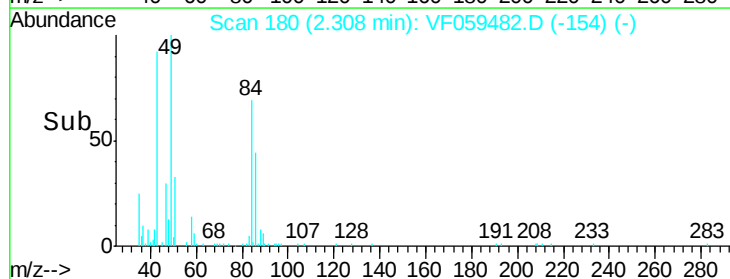
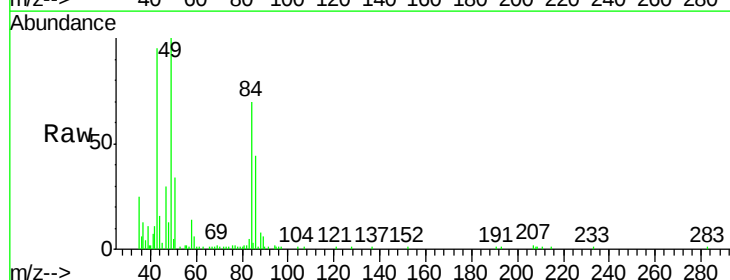
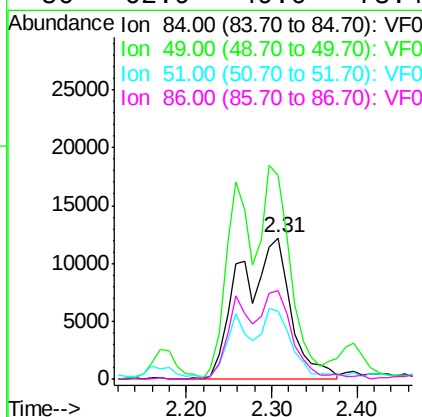
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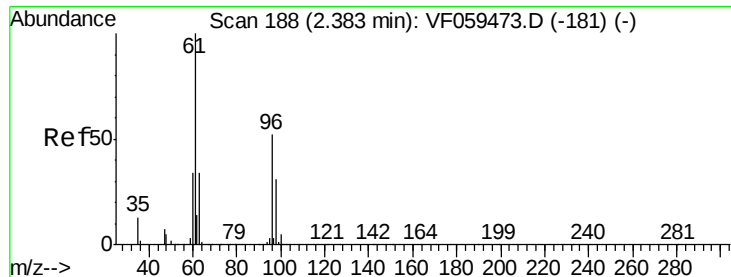
apatel
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#20
Methylene Chloride
Concen: 21.14 ug/l m
RT: 2.31 min Scan# 180
Delta R.T. 0.05 min
Lab File: VF059482.D
Acq: 10 Jul 2018 14:15

Tgt Ion: 84 Resp: 50272
Ion Ratio Lower Upper
84 100
49 143.8 120.4 180.6
51 48.3 38.1 57.1
86 62.9 49.0 73.4





#21

trans-1,2-Dichloroethene

Concen: 19.69 ug/l

RT: 2.40 min Scan# 189

Delta R.T. 0.01 min

Lab File: VF059482.D

Acq: 10 Jul 2018 14:15

Instrument :

MSVOA_F

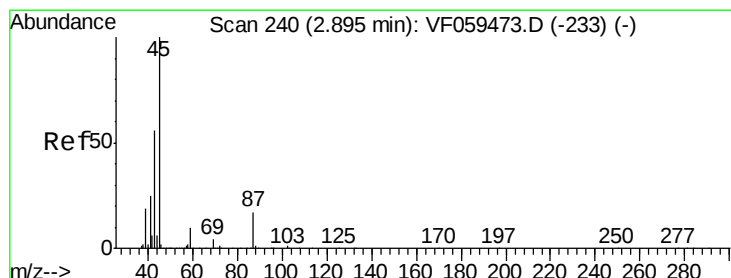
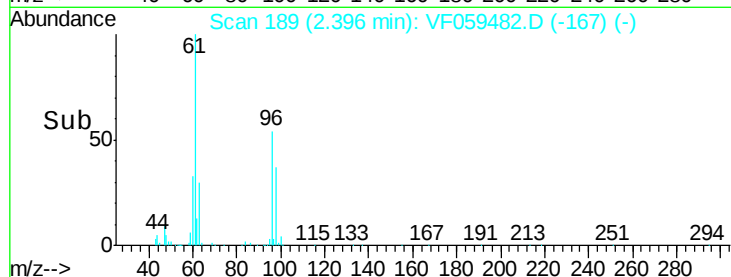
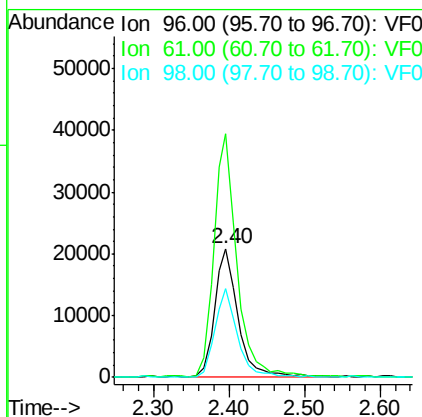
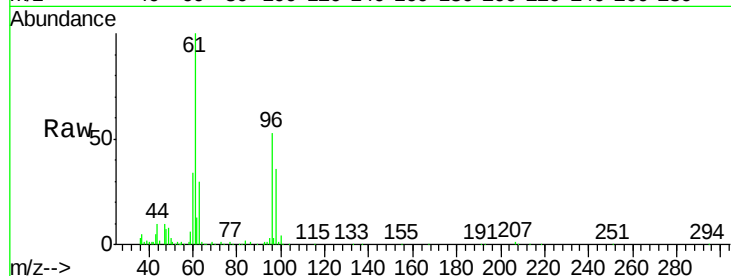
ClientSampleId :

VF0710SBSD01

Tot Ion:	96	Resp:	45459
Ion	Ratio	Lower	Upper
96	100		
61	189.1	154.3	231.5
98	68.8	48.2	72.4

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#22

Diisopropyl ether

Concen: 20.57 ug/l

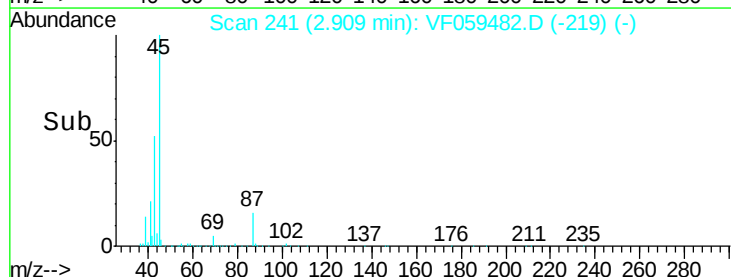
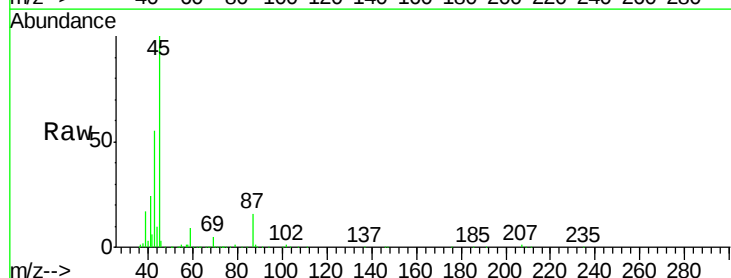
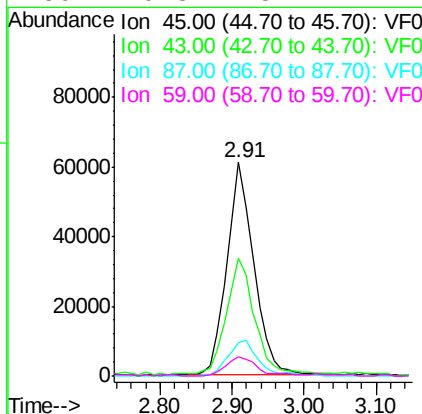
RT: 2.91 min Scan# 241

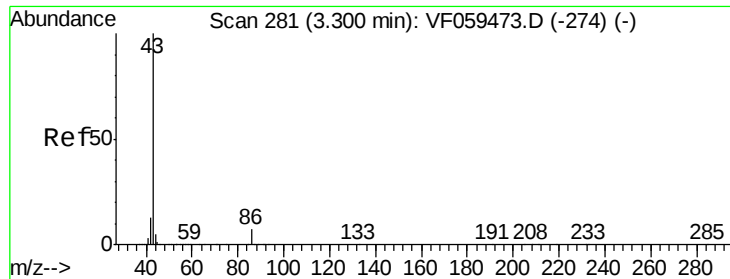
Delta R.T. 0.01 min

Lab File: VF059482.D

Acq: 10 Jul 2018 14:15

Tgt Ion:	45	Resp:	160532
Ion	Ratio	Lower	Upper
45	100		
43	55.2	45.4	68.2
87	15.7	13.5	20.3
59	9.3	8.2	12.4





#23

Vinyl Acetate

Concen: 111.98 ug/l

RT: 3.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VF059482.D

Acq: 10 Jul 2018 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0710SBS01

Tot Ion: 43 Resp: 507413

Ion Ratio Lower Upper

43 100

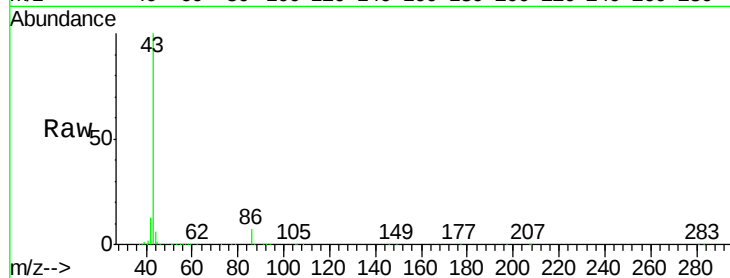
86 6.8 5.3 7.9

Manual Integrations

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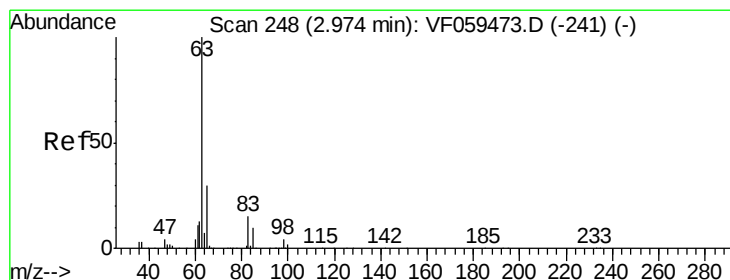
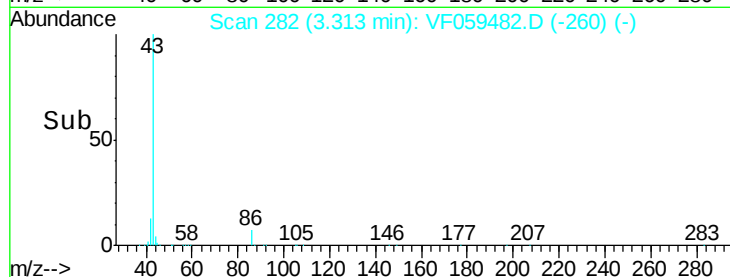
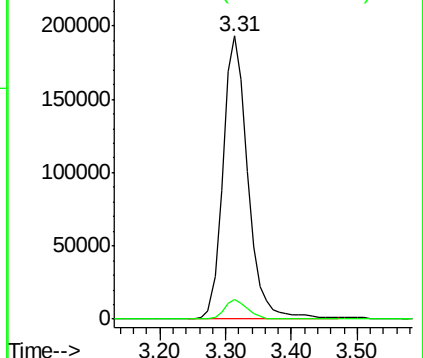
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 19.63 ug/l

RT: 2.98 min Scan# 248

Delta R.T. 0.00 min

Lab File: VF059482.D

Acq: 10 Jul 2018 14:15

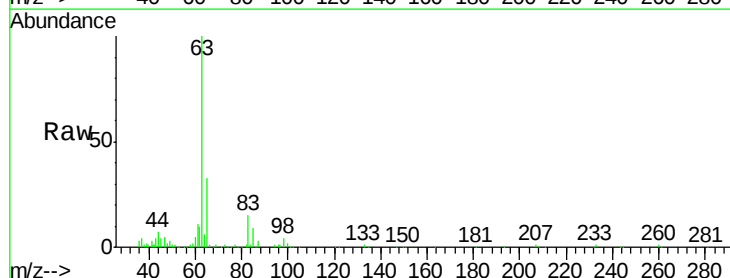
Tgt Ion: 63 Resp: 102442

Ion Ratio Lower Upper

63 100

98 3.9 1.8 5.5

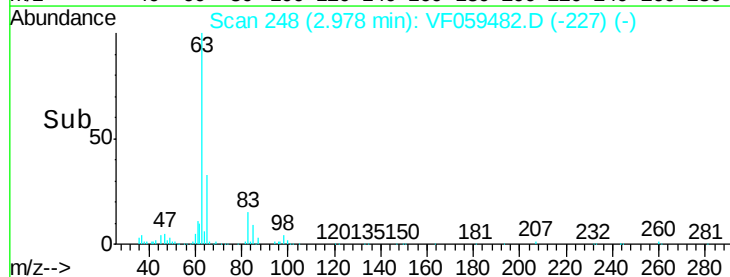
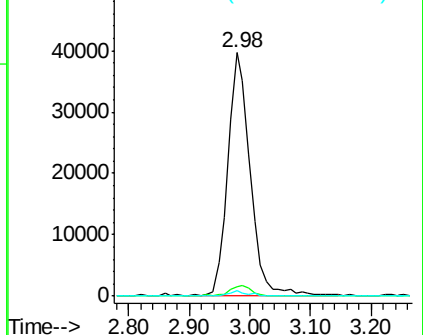
100 2.4 1.1 3.3

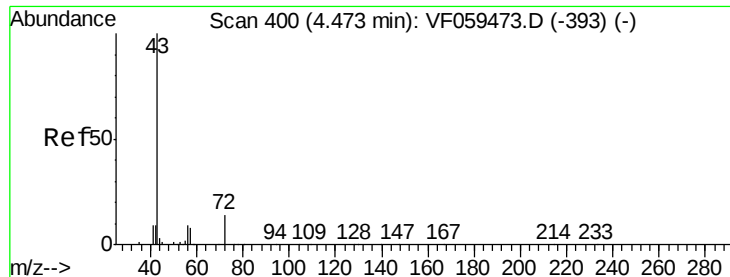


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 109.43 ug/l

RT: 4.50 min Scan# 402

Delta R.T. 0.02 min

Lab File: VF059482.D

Acq: 10 Jul 2018 14:15

Tot Ion: 43 Resp: 111370

Ion Ratio Lower Upper

43 100

72 20.4 13.8 20.8

Instrument :

MSVOA_F

ClientSampleId :

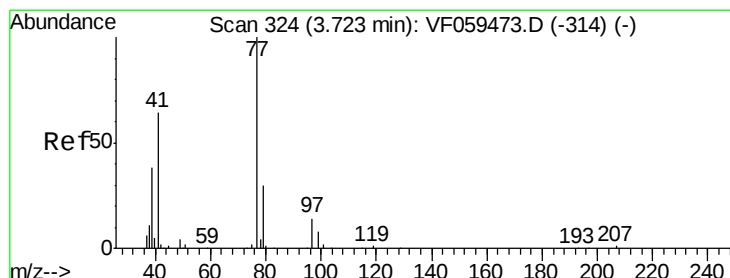
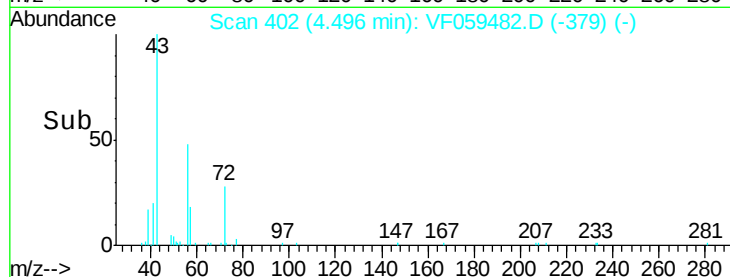
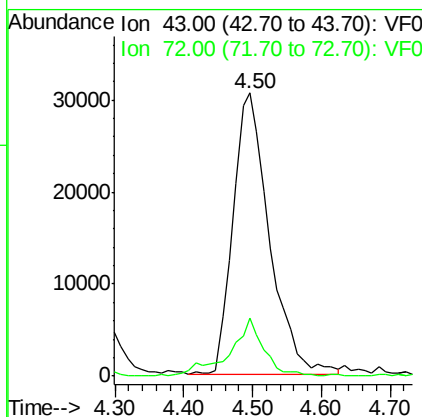
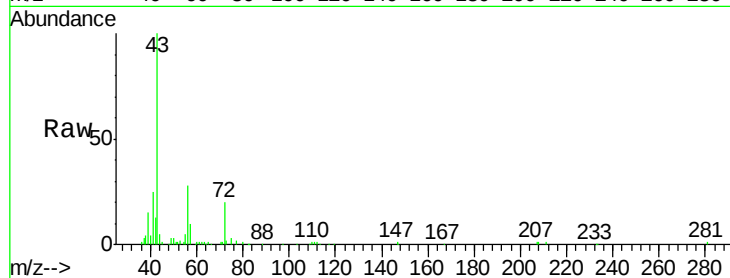
VF0710SBS01

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#26

2,2-Dichloropropane

Concen: 23.92 ug/l

RT: 3.74 min Scan# 325

Delta R.T. 0.01 min

Lab File: VF059482.D

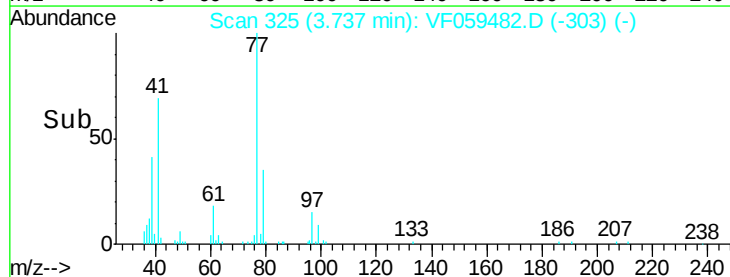
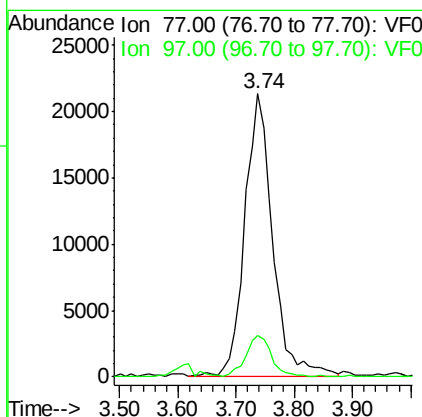
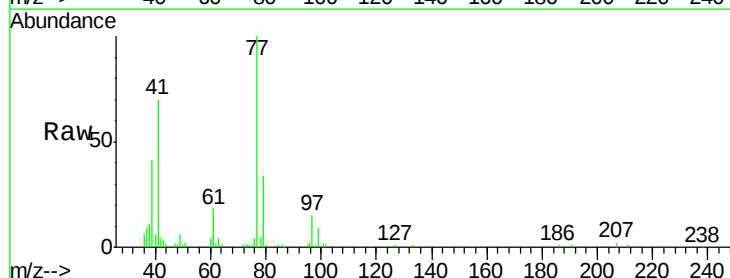
Acq: 10 Jul 2018 14:15

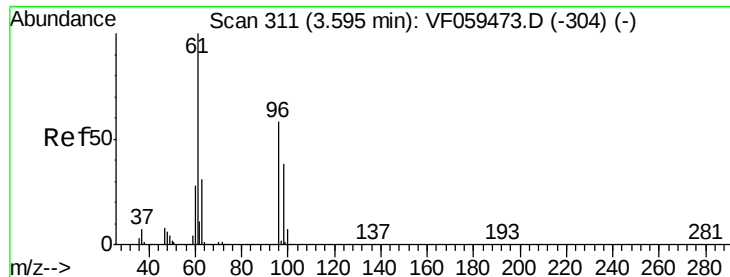
Tgt Ion: 77 Resp: 71955

Ion Ratio Lower Upper

77 100

97 14.7 7.7 23.1





#27

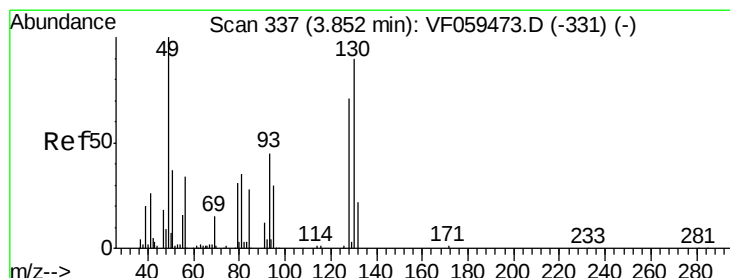
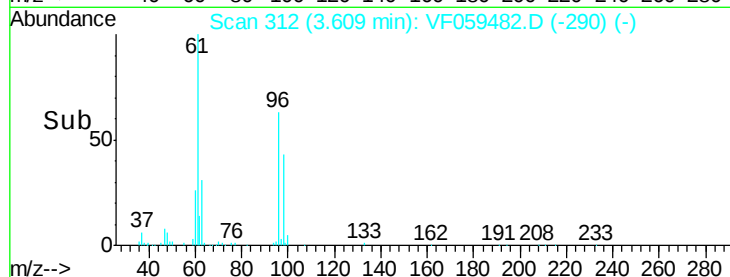
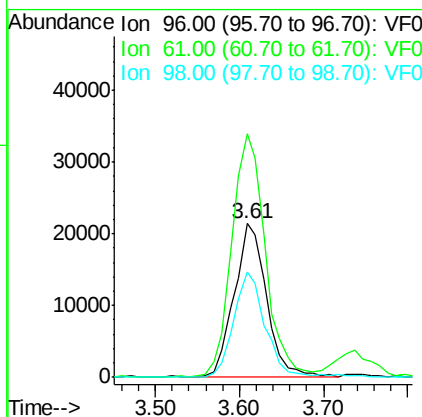
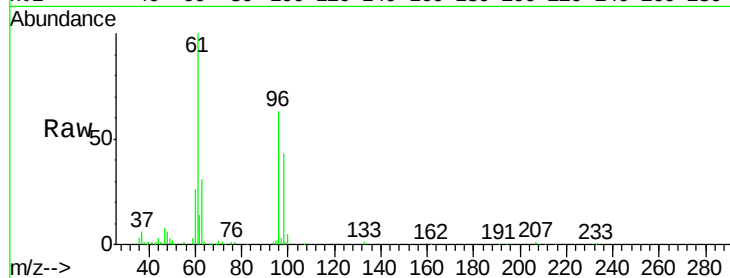
cis-1,2-Dichloroethene
Concen: 20.34 ug/l
RT: 3.61 min Scan# 312
Delta R.T. 0.01 min
Lab File: VF059482.D
Acq: 10 Jul 2018 14:15

Instrument :
MSVOA_F
ClientSampleId :
VF0710SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.6	0.0	342.0
98	68.6	0.0	130.0

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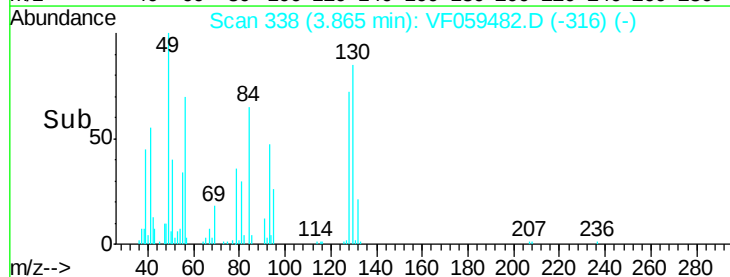
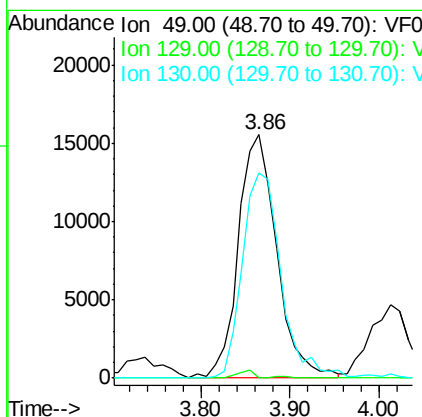
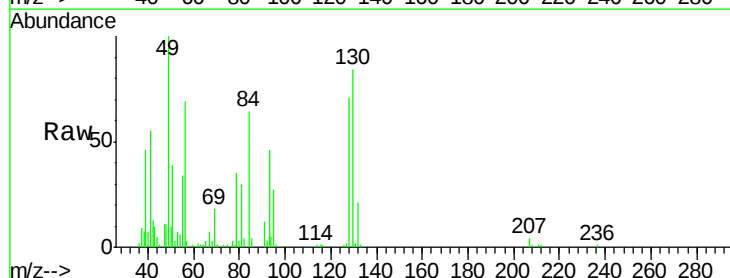
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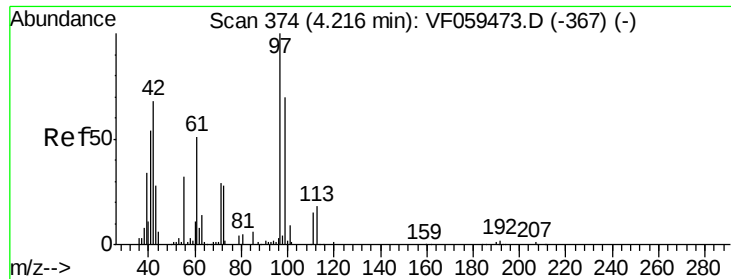


#28

Bromochloromethane
Concen: 21.54 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.01 min
Lab File: VF059482.D
Acq: 10 Jul 2018 14:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	6.2
130	84.1	71.4	107.0





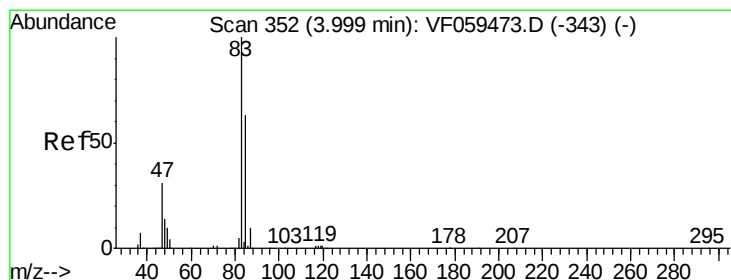
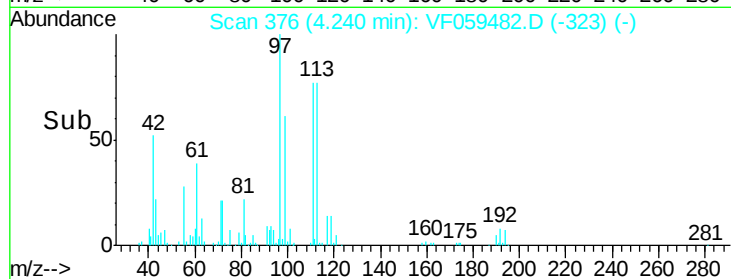
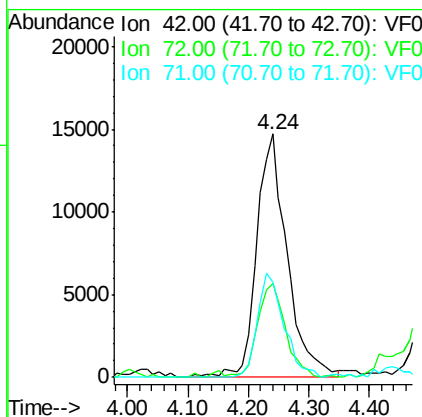
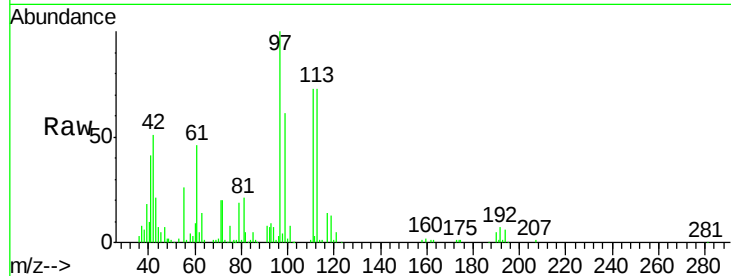
#29
Tetrahydrofuran
Concen: 108.02 ug/l
RT: 4.24 min Scan# 376
Delta R.T. 0.02 min
Lab File: VF059482.D
Acq: 10 Jul 2018 14:15

Instrument :
MSVOA_F
ClientSampleId :
VF0710SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.9	29.2	43.8
71	37.4	30.1	45.1

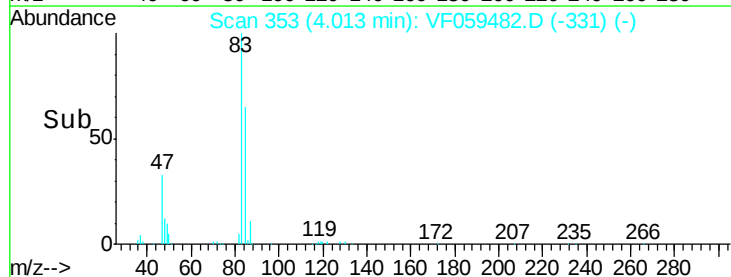
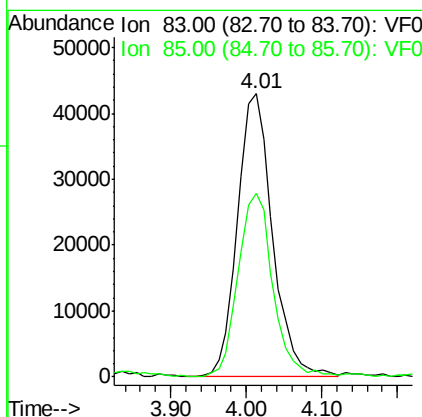
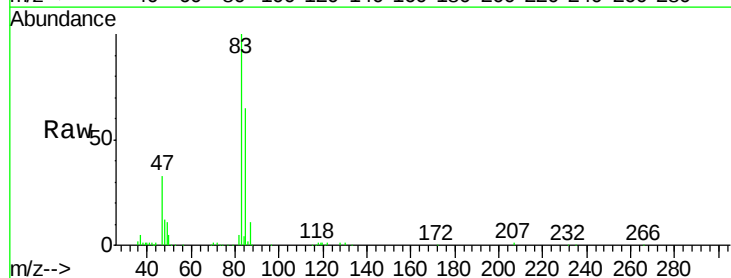
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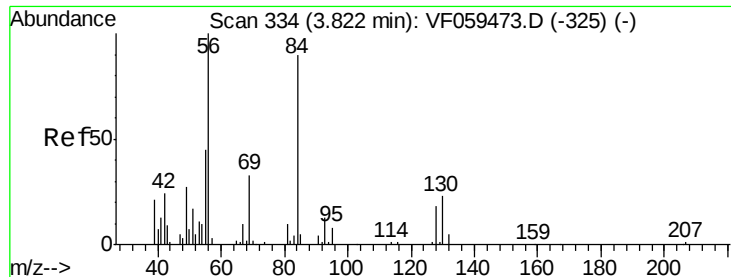
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#30
Chloroform
Concen: 18.74 ug/l
RT: 4.01 min Scan# 353
Delta R.T. 0.01 min
Lab File: VF059482.D
Acq: 10 Jul 2018 14:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.3	75.5





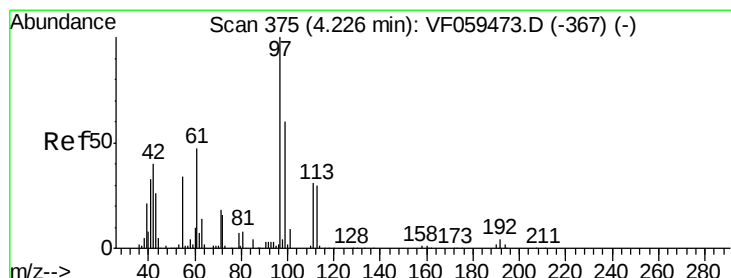
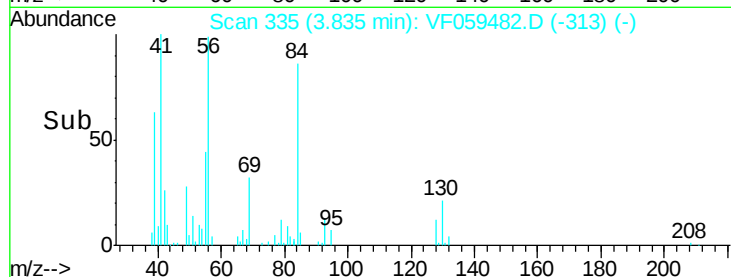
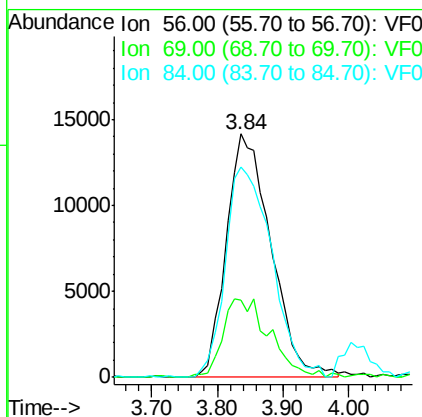
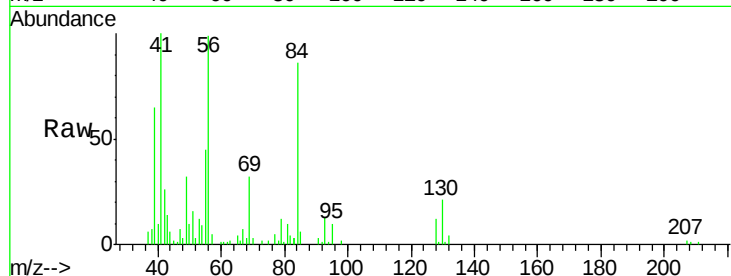
#31
Cyclohexane
Concen: 22.29 ug/l
RT: 3.84 min Scan# 335
Delta R.T. 0.01 min
Lab File: VF059482.D
Acq: 10 Jul 2018 14:15

Instrument :
MSVOA_F
ClientSampleId :
VF0710SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.0	26.2	39.2
84	86.2	72.3	108.5

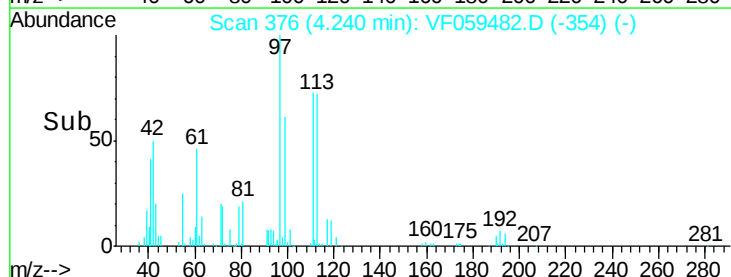
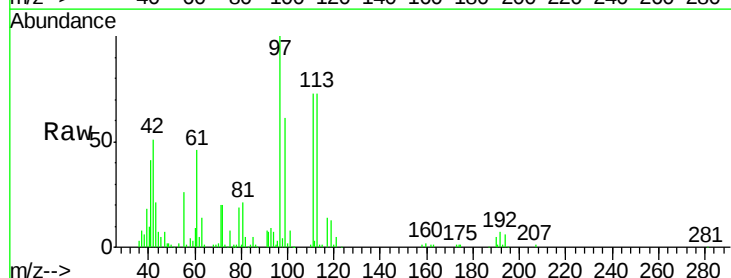
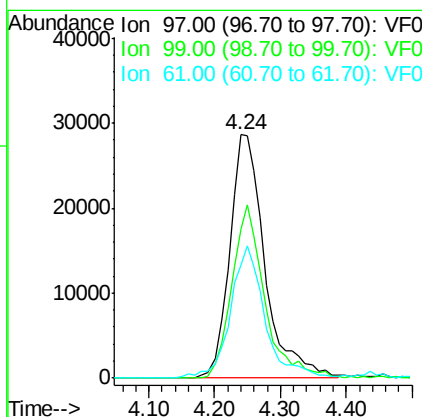
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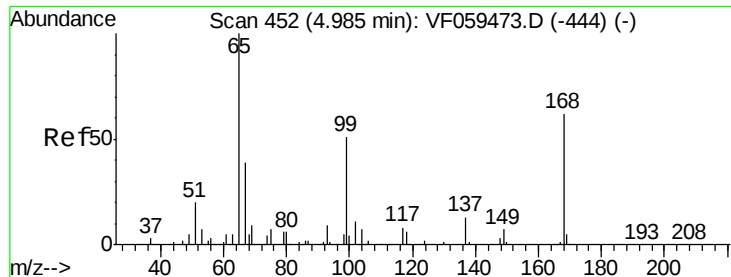
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#32
1,1,1-Trichloroethane
Concen: 18.86 ug/l
RT: 4.24 min Scan# 376
Delta R.T. 0.01 min
Lab File: VF059482.D
Acq: 10 Jul 2018 14:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.4	47.8	71.6
61	46.4	37.9	56.9





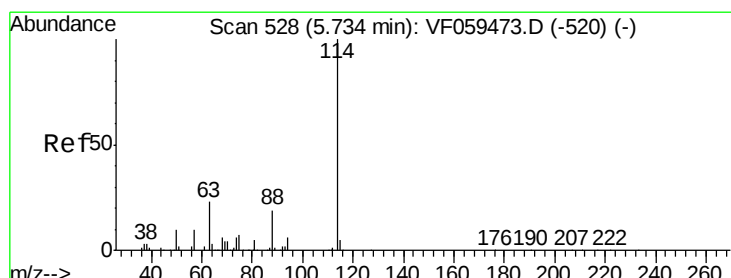
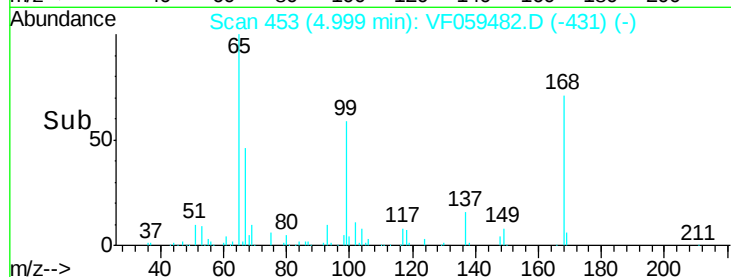
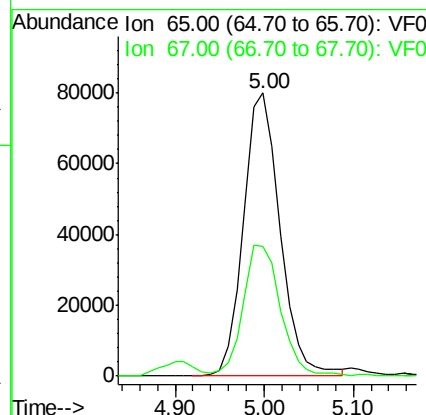
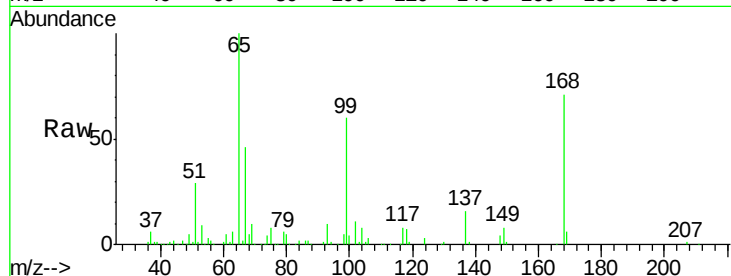
#33
 1,2-Dichloroethane-d4
 Concen: 45.40 ug/l
 RT: 5.00 min Scan# 453
 Delta R.T. 0.01 min
 Lab File: VF059482.D
 Acq: 10 Jul 2018 14:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0710SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	226691		
67	46.0	0.0	88.6	

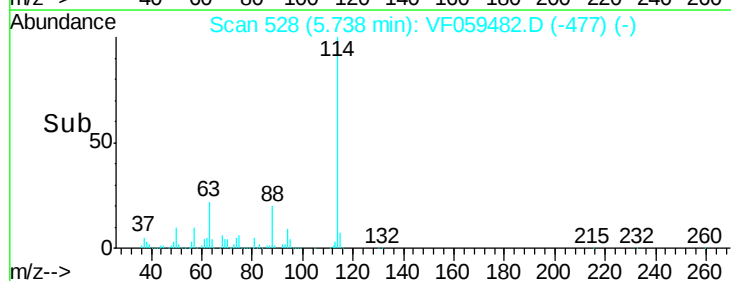
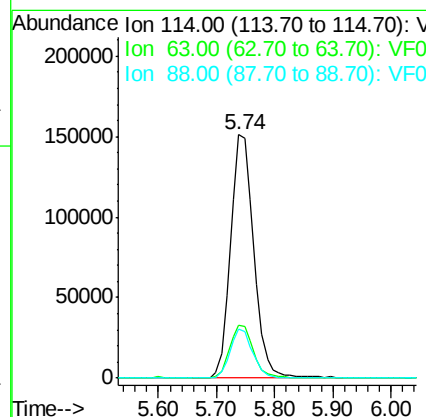
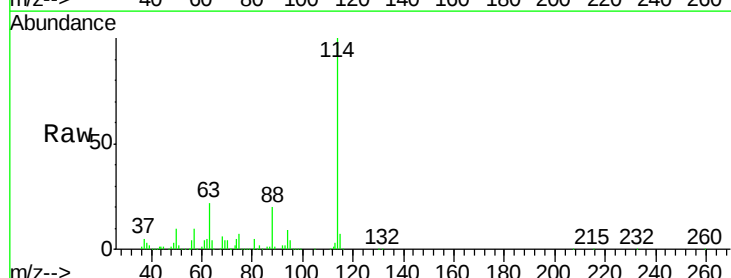
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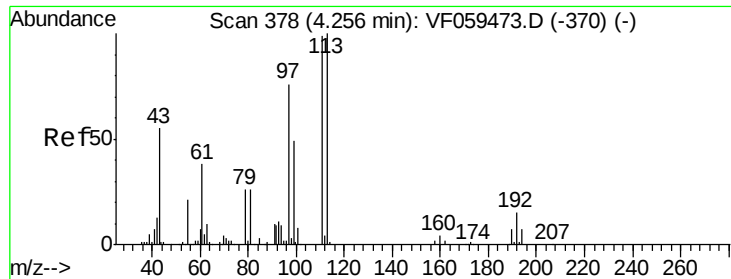
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.74 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VF059482.D
 Acq: 10 Jul 2018 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	419879		
63	21.5	0.0	47.2	
88	20.2	0.0	38.0	





#35

Dibromofluoromethane

Concen: 47.20 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.01 min

Lab File: VF059482.D

Acq: 10 Jul 2018 14:15

Instrument :

MSVOA_F

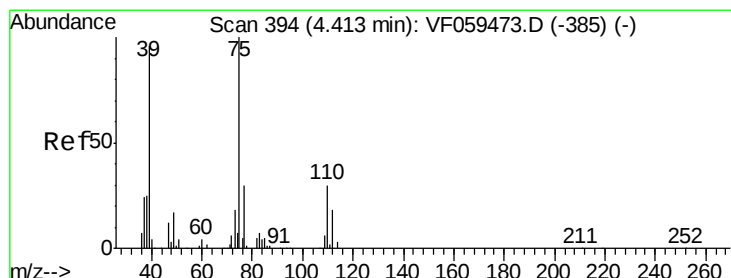
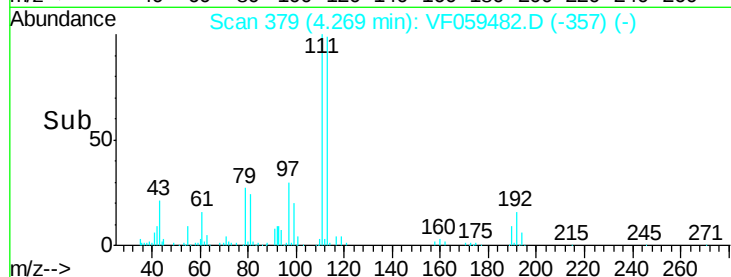
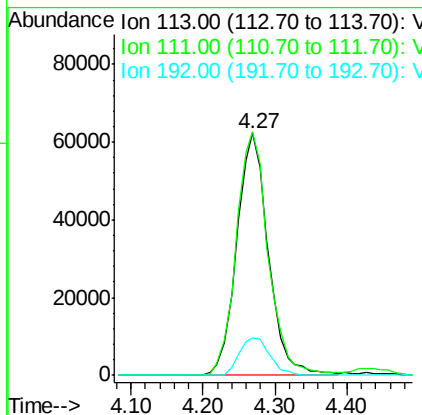
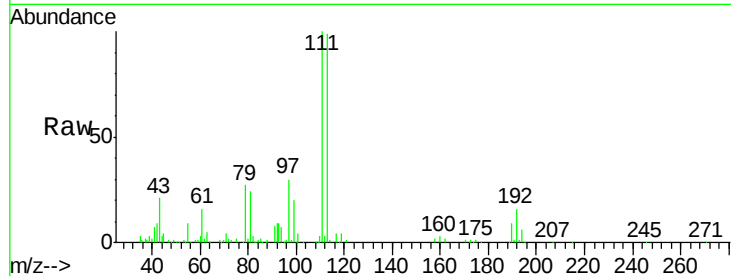
ClientSampleId :

VF0710SBS01

Tot Ion:	113	Resp:	190158
Ion Ratio	Lower	Upper	
113	100		
111	100.6	79.3	118.9
192	15.6	12.0	18.0

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#36

1,1-Dichloropropene

Concen: 21.75 ug/l

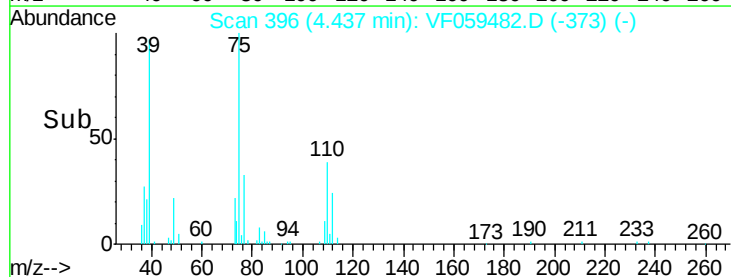
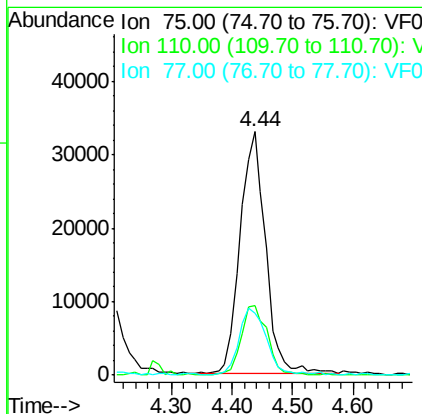
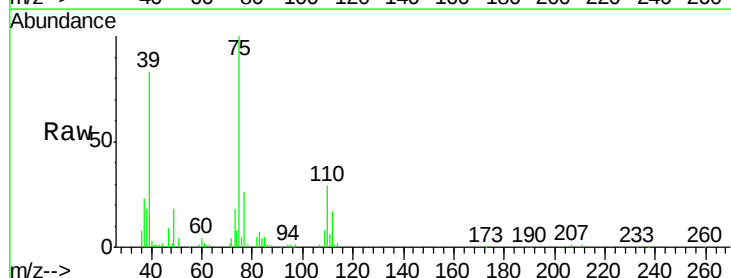
RT: 4.44 min Scan# 396

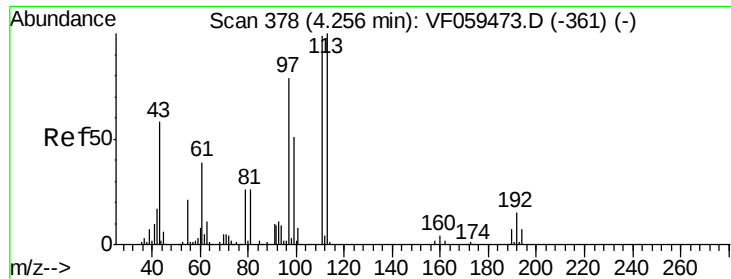
Delta R.T. 0.02 min

Lab File: VF059482.D

Acq: 10 Jul 2018 14:15

Tgt Ion:	75	Resp:	96469
Ion Ratio	Lower	Upper	
75	100		
110	28.5	15.2	45.5
77	25.5	24.2	36.2





#37

Ethyl Acetate

Concen: 21.24 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.01 min

Lab File: VF059482.D

Acq: 10 Jul 2018 14:15

Instrument :

MSVOA_F

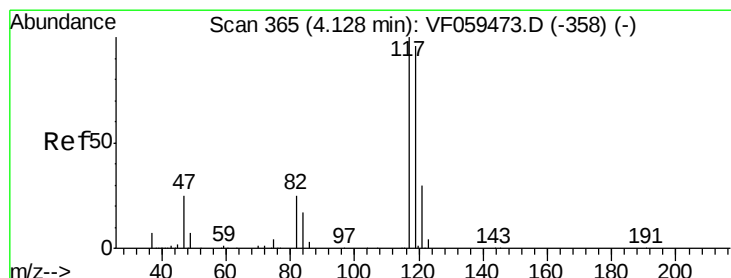
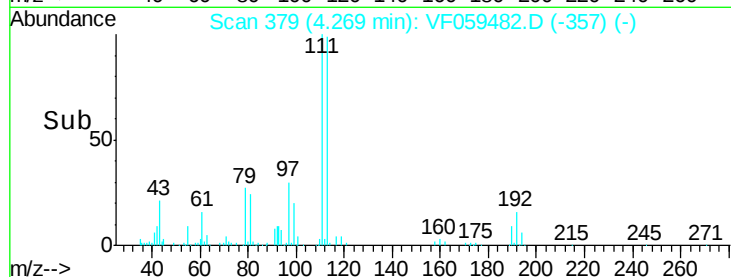
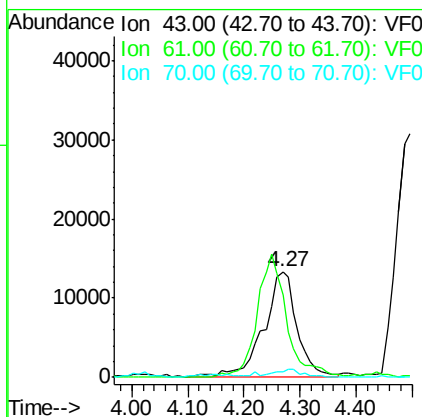
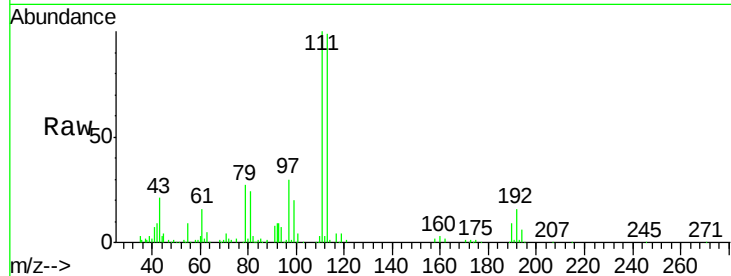
ClientSampleId :

VF0710SBSD01

Tot Ion:	43	Resp:	55266
Ion Ratio	Lower	Upper	
43	100		
61	77.3	54.2	81.4
70	5.6	7.0	10.6#

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#38

Carbon Tetrachloride

Concen: 20.10 ug/l

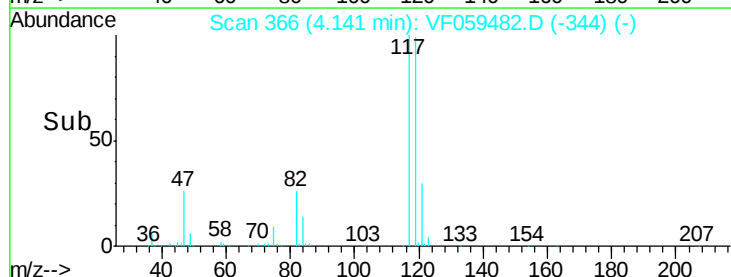
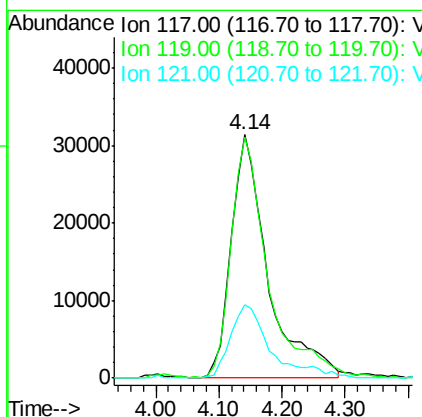
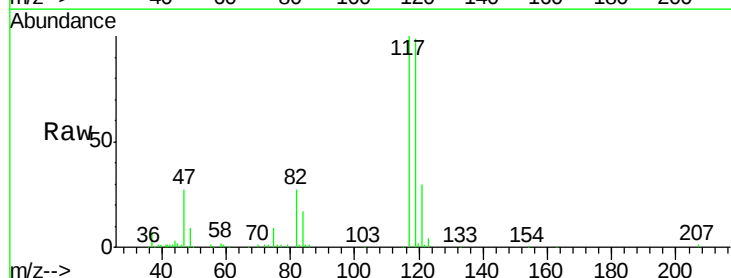
RT: 4.14 min Scan# 366

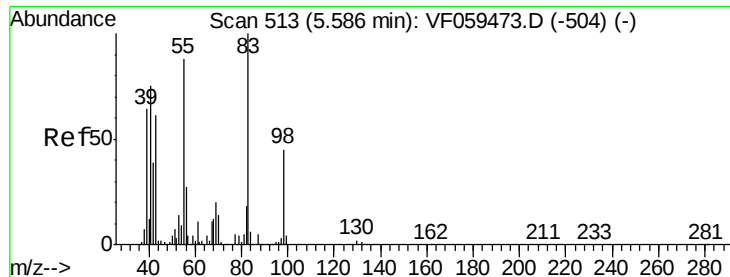
Delta R.T. 0.01 min

Lab File: VF059482.D

Acq: 10 Jul 2018 14:15

Tgt Ion:	117	Resp:	127363
Ion Ratio	Lower	Upper	
117	100		
119	98.9	76.5	114.7
121	30.4	23.6	35.4





#39

Methvlcvclohexane

Concen: 22.03 ug/l

RT: 5.60 min Scan# 514

Delta R.T. 0.01 min

Lab File: VF059482.D

Acq: 10 Jul 2018 14:15

Instrument :

MSVOA_F

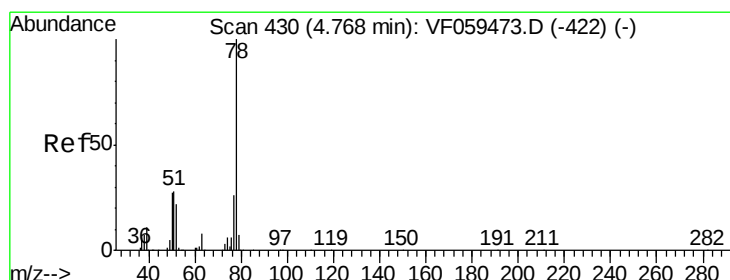
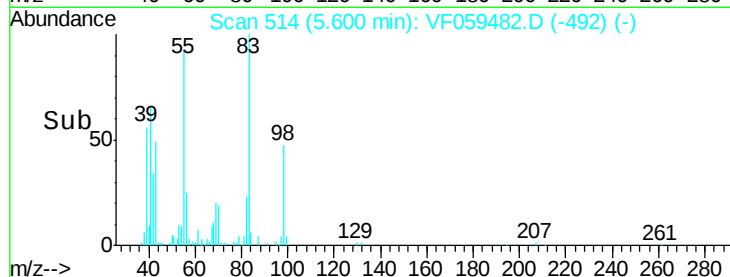
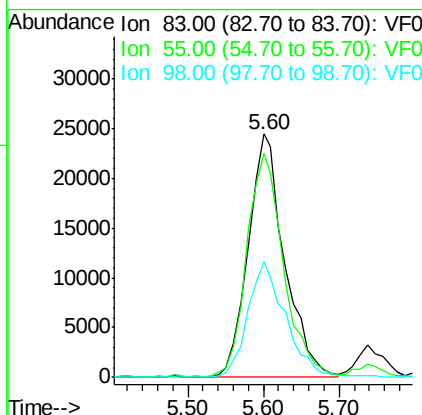
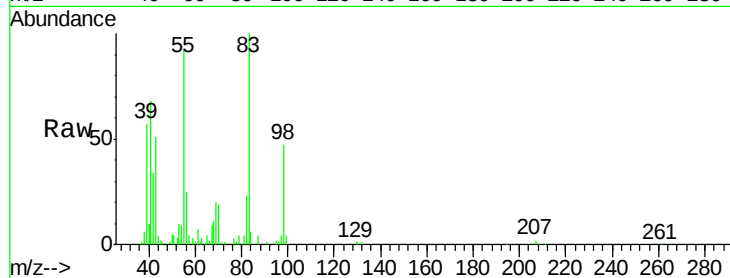
ClientSampleId :

VF0710SBSD01

Tot Ion:	83	Resp:	82065
Ion	Ratio	Lower	Upper
83	100		
55	92.2	70.6	105.8
98	47.3	36.3	54.5

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#40

Benzene

Concen: 20.88 ug/l

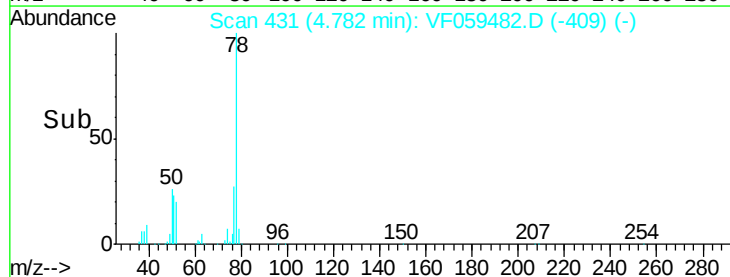
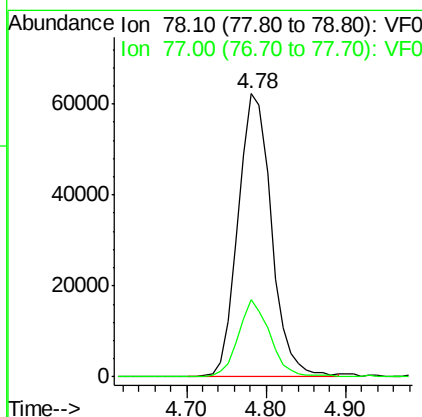
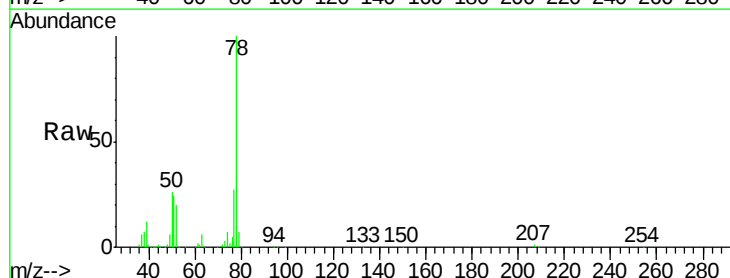
RT: 4.78 min Scan# 431

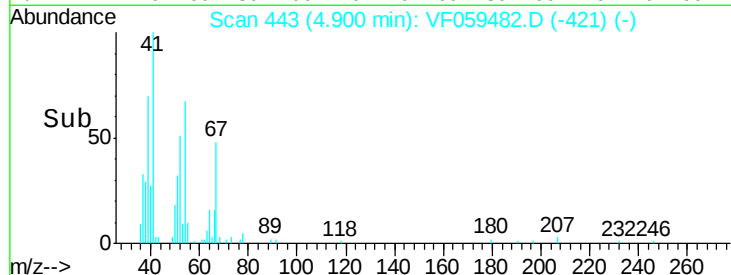
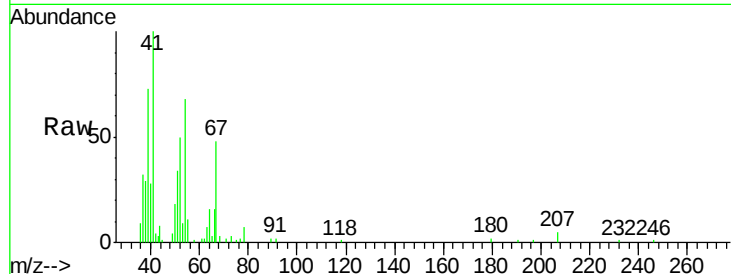
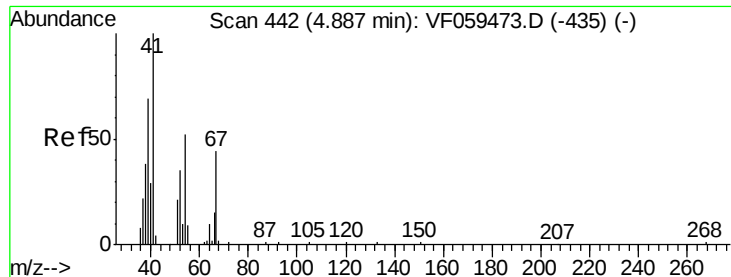
Delta R.T. 0.01 min

Lab File: VF059482.D

Acq: 10 Jul 2018 14:15

Tgt Ion:	78	Resp:	181421
Ion	Ratio	Lower	Upper
78	100		
77	27.4	20.8	31.2





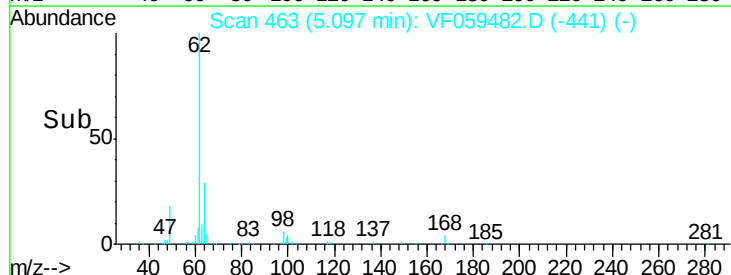
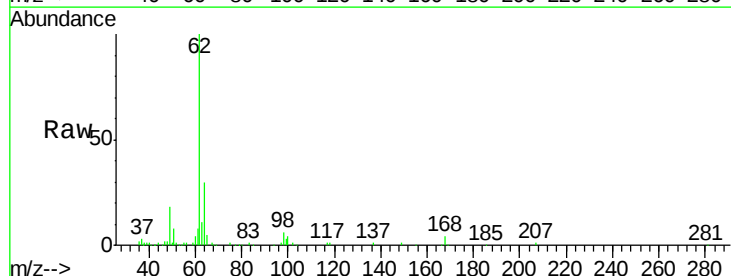
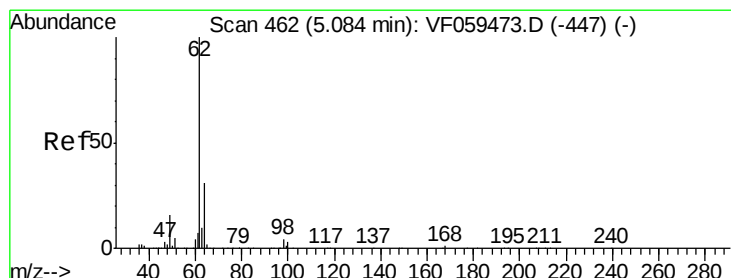
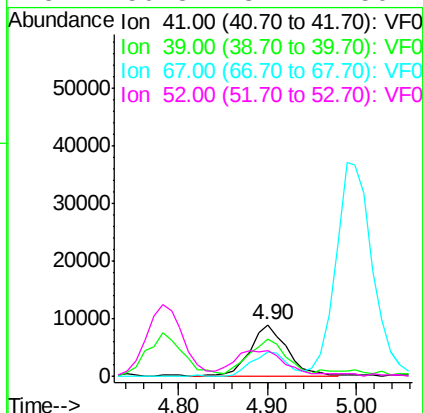
#41
Methacrylonitrile
Concen: 21.43 ug/l
RT: 4.90 min Scan# 443
Delta R.T. 0.01 min
Lab File: VF059482.D
Acq: 10 Jul 2018 14:15

Tot Ion	Ratio	Lower	Upper
41	100		
39	72.6	61.7	92.5
67	47.8	35.4	53.2
52	50.3	37.4	56.2

Instrument :
MSVOA_F
ClientSampleId :
VF0710SBS01

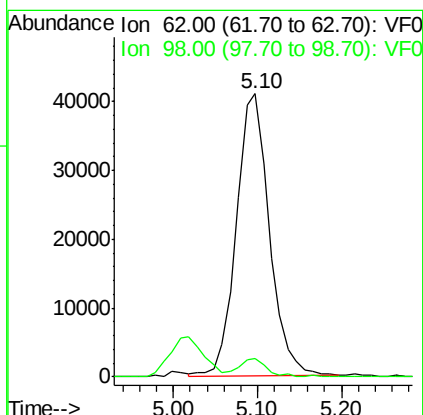
Manual Integrations
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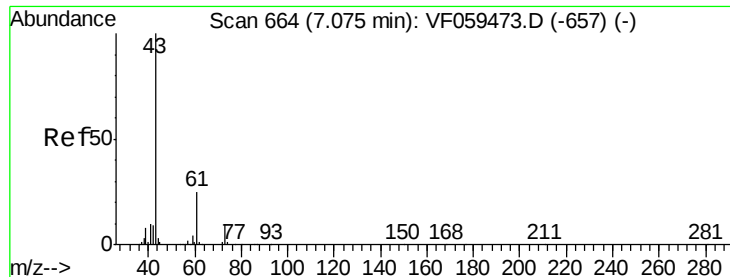
apatel
7/11/2018 11:33:38 AM



#42
1,2-Dichloroethane
Concen: 17.82 ug/l
RT: 5.10 min Scan# 463
Delta R.T. 0.01 min
Lab File: VF059482.D
Acq: 10 Jul 2018 14:15

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.4	0.0	7.6





#43

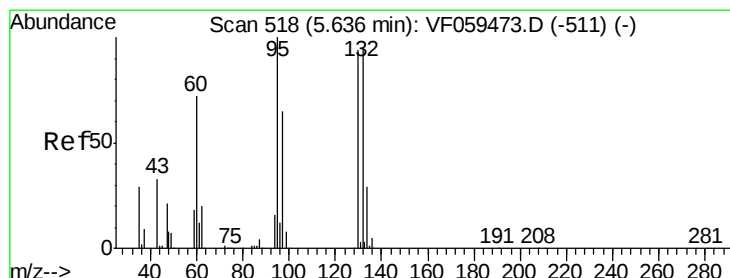
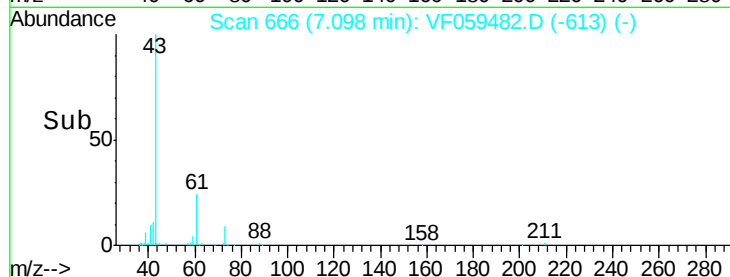
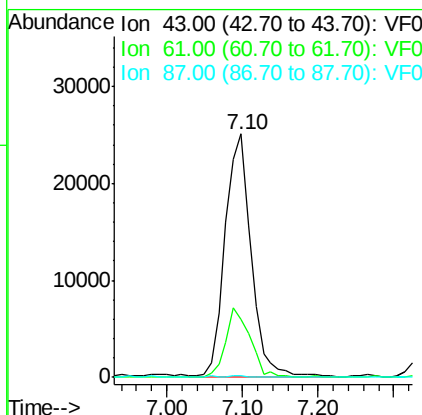
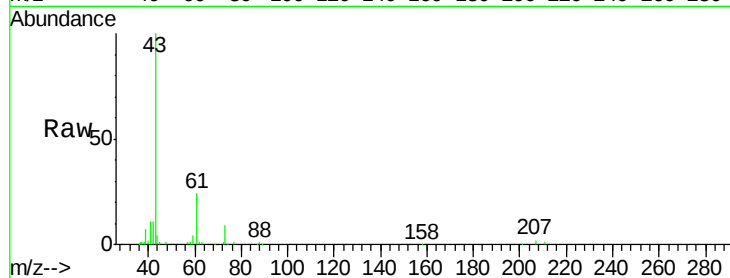
Isopropyl Acetate
 Concen: 20.33 ug/l
 RT: 7.10 min Scan# 666
 Delta R.T. 0.02 min
 Lab File: VF059482.D
 Acq: 10 Jul 2018 14:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0710SBS01

Tot Ion:	43	Resp:	60556
Ion	Ratio	Lower	Upper
43	100		
61	24.1	20.3	30.5
87	0.5	0.3	0.5

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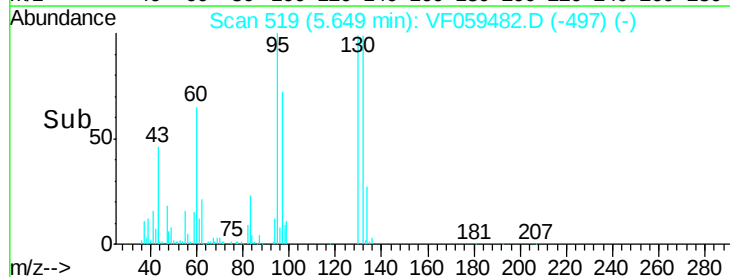
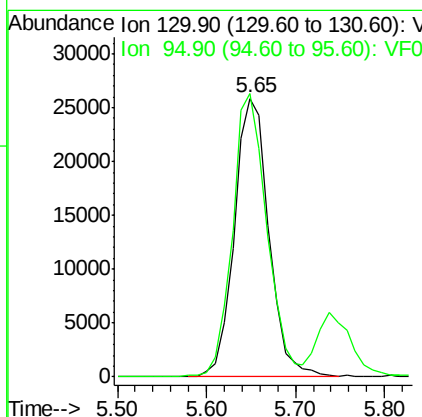
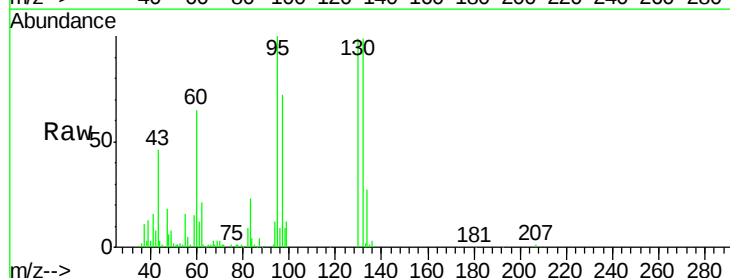
apatel
 7/11/2018 11:33:38 AM

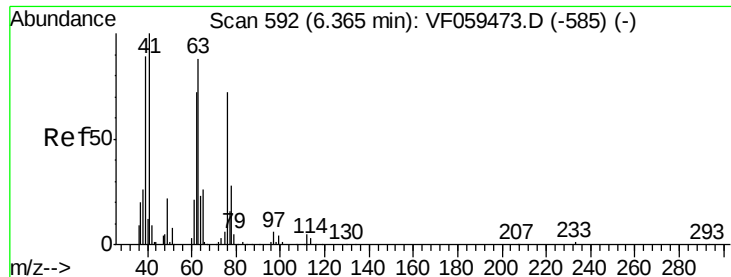


#44

Trichloroethene
 Concen: 21.66 ug/l
 RT: 5.65 min Scan# 519
 Delta R.T. 0.01 min
 Lab File: VF059482.D
 Acq: 10 Jul 2018 14:15

Tgt Ion:	130	Resp:	69429
Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	214.6





#45

1,2-Dichloropropane

Concen: 20.84 ug/l

RT: 6.38 min Scan# 593

Delta R.T. 0.01 min

Lab File: VF059482.D

Acq: 10 Jul 2018 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0710SBSD01

Tot Ion: 63 Resp: 52014

Ion Ratio Lower Upper

63 100

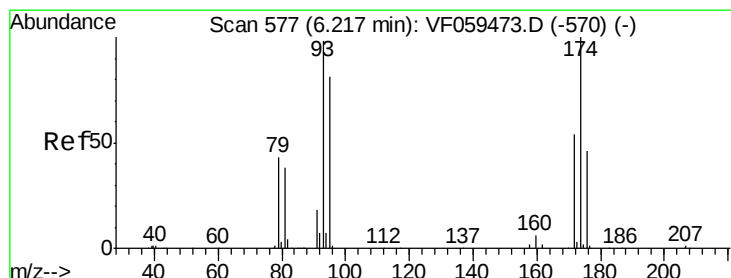
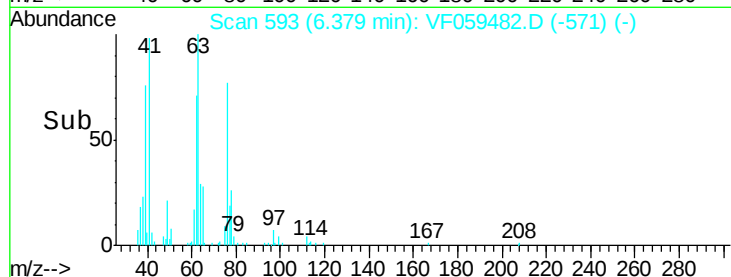
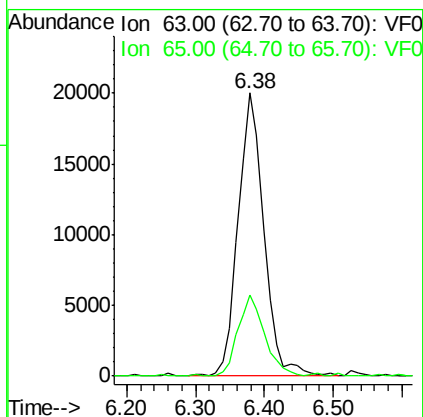
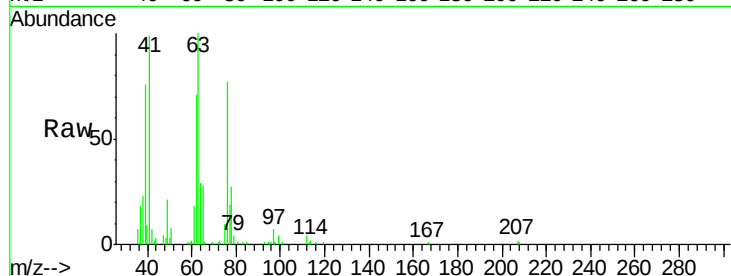
65 28.5 23.5 35.3

Manual Integrations

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#46

Dibromomethane

Concen: 19.93 ug/l

RT: 6.23 min Scan# 578

Delta R.T. 0.01 min

Lab File: VF059482.D

Acq: 10 Jul 2018 14:15

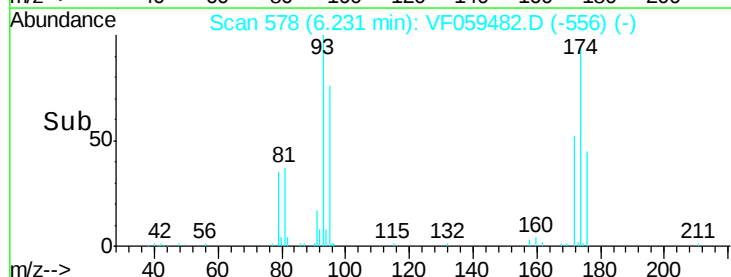
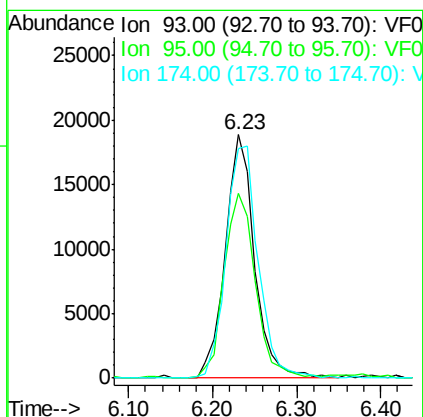
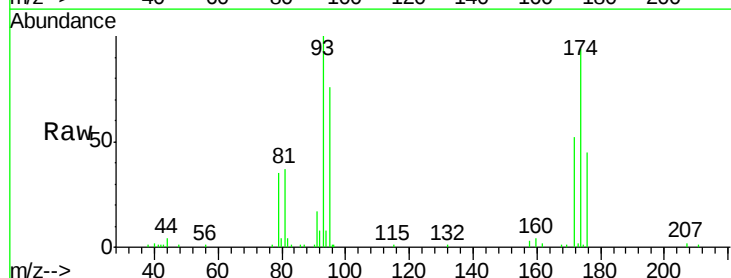
Tgt Ion: 93 Resp: 45590

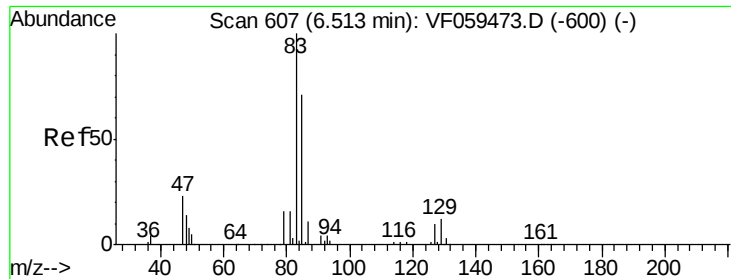
Ion Ratio Lower Upper

93 100

95 76.4 65.9 98.9

174 95.3 83.2 124.8





#47

Bromodichloromethane

Concen: 19.65 ug/l

RT: 6.53 min Scan# 608

Delta R.T. 0.01 min

Lab File: VF059482.D

Acq: 10 Jul 2018 14:15

Instrument :

MSVOA_F

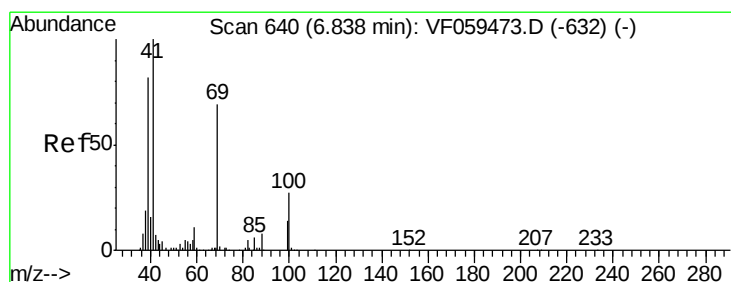
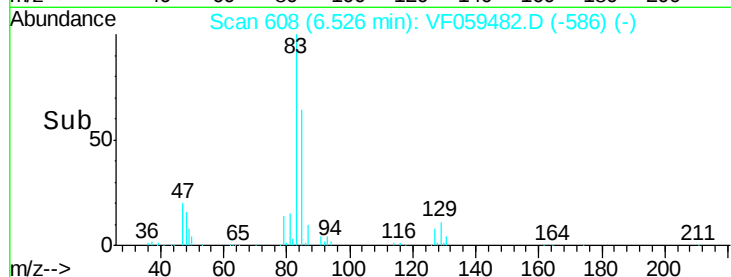
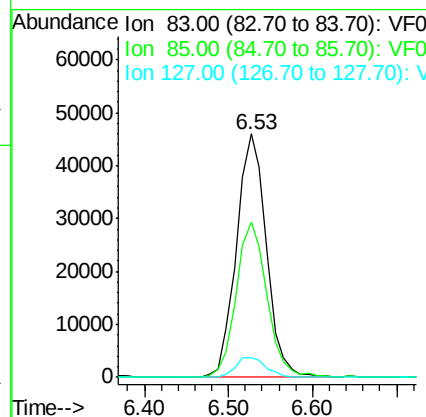
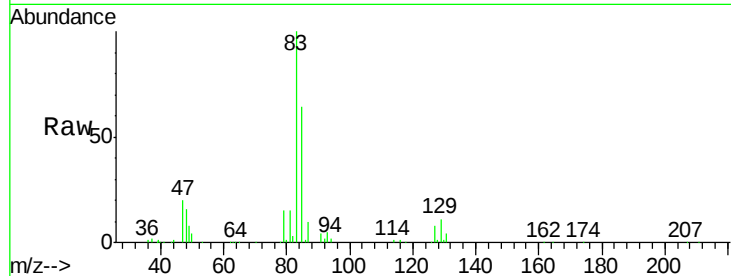
ClientSampleId :

VF0710SBS01

Tot Ion:	83	Resp:	114349
Ion Ratio	Lower	Upper	
83	100		
85	63.7	56.6	84.8
127	8.0	8.1	12.1#

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.78 ug/l

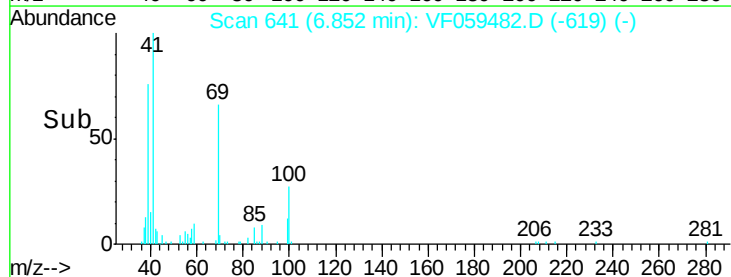
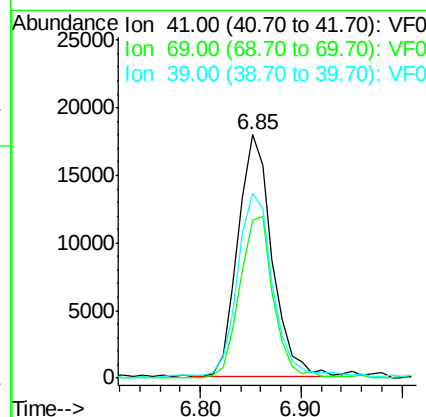
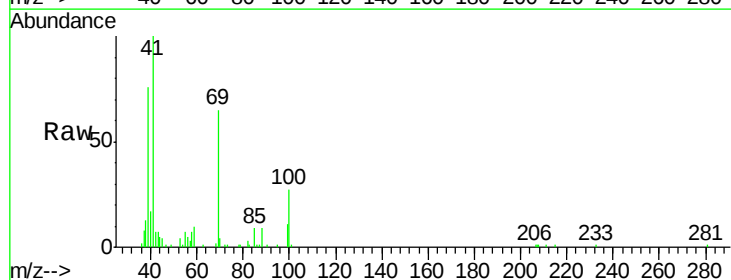
RT: 6.85 min Scan# 641

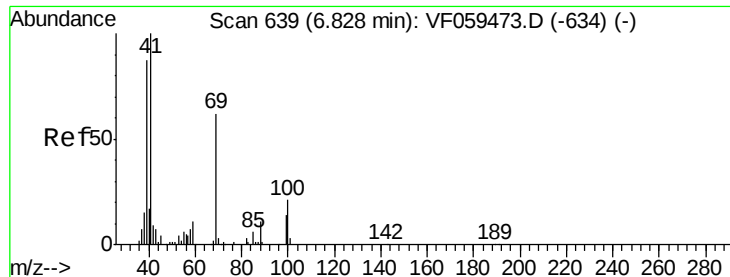
Delta R.T. 0.01 min

Lab File: VF059482.D

Acq: 10 Jul 2018 14:15

Tgt Ion:	41	Resp:	42052
Ion Ratio	Lower	Upper	
41	100		
69	65.1	55.6	83.4
39	75.8	66.0	99.0





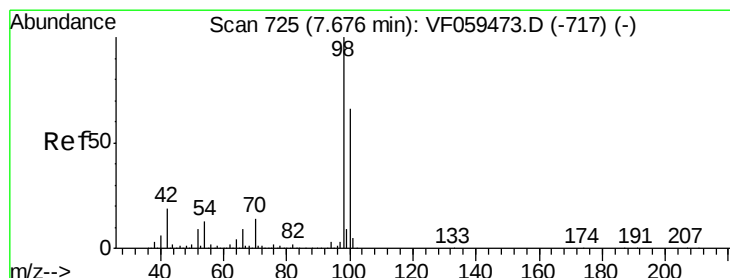
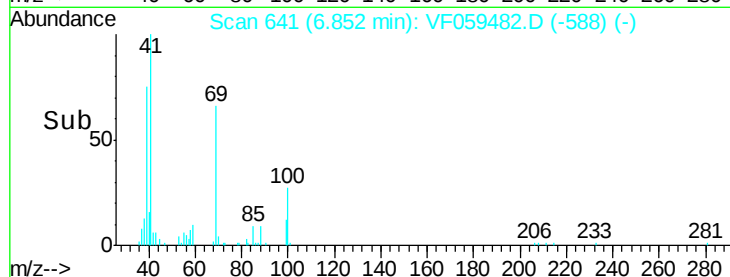
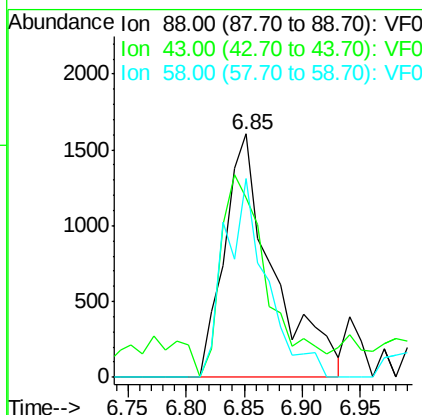
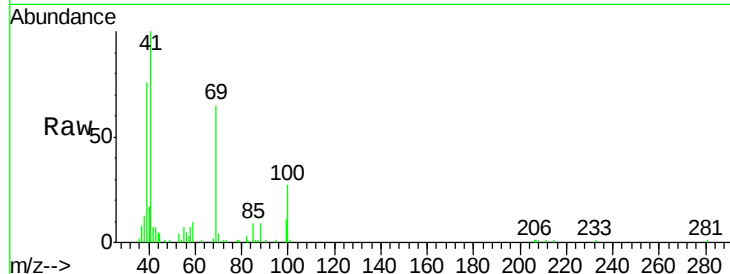
#49
1,4-Dioxane
Concen: 480.26 ug/l
RT: 6.85 min Scan# 641
Delta R.T. 0.02 min
Lab File: VF059482.D
Acq: 10 Jul 2018 14:15

Instrument :
MSVOA_F
ClientSampleId :
VF0710SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	74.0	57.3	85.9
58	81.9	54.6	81.8#

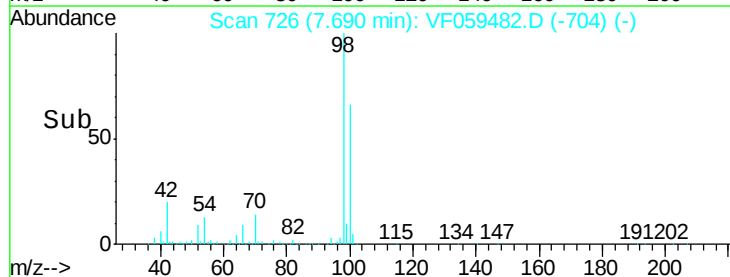
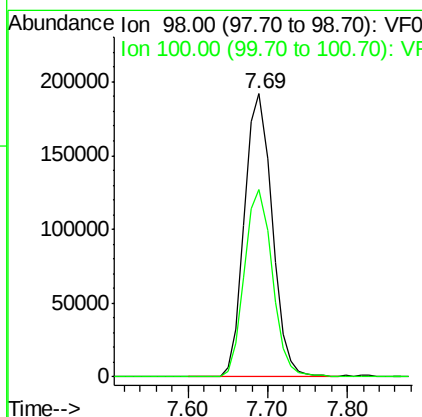
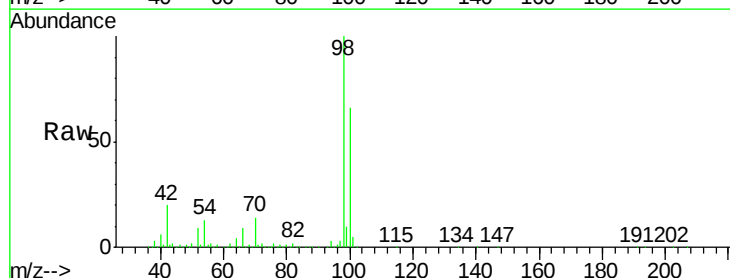
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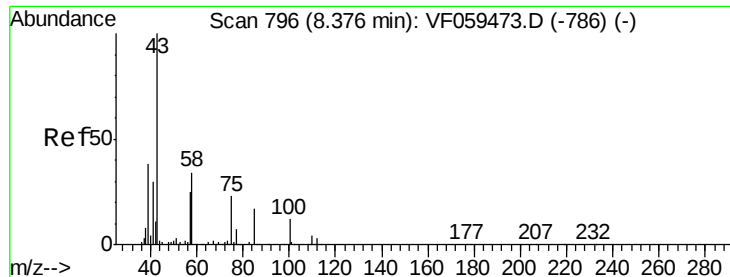
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#50
Toluene-d8
Concen: 48.91 ug/l
RT: 7.69 min Scan# 726
Delta R.T. 0.01 min
Lab File: VF059482.D
Acq: 10 Jul 2018 14:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 101.58 ug/l

RT: 8.39 min Scan# 797

Delta R.T. 0.01 min

Lab File: VF059482.D

Acq: 10 Jul 2018 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0710SBSD01

Tot Ion: 43 Resp: 225492

Ion Ratio Lower Upper

43 100

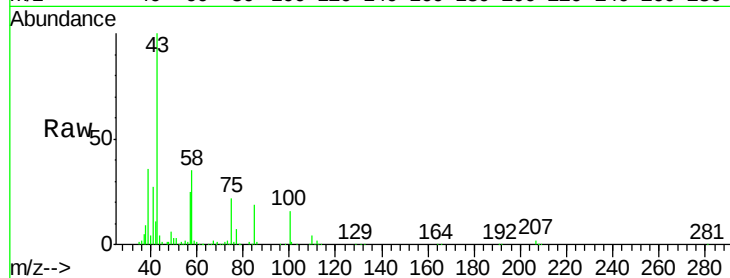
58 34.7 27.4 41.2

Manual Integrations

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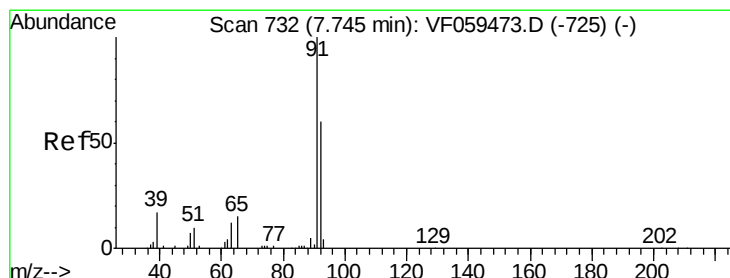
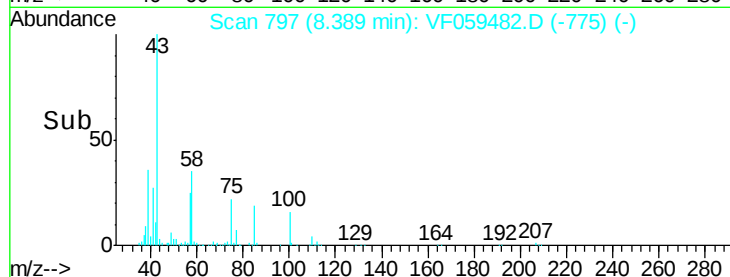
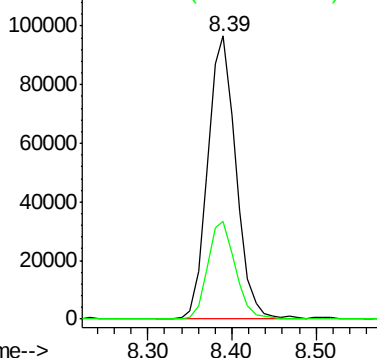
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.35 ug/l

RT: 7.76 min Scan# 733

Delta R.T. 0.01 min

Lab File: VF059482.D

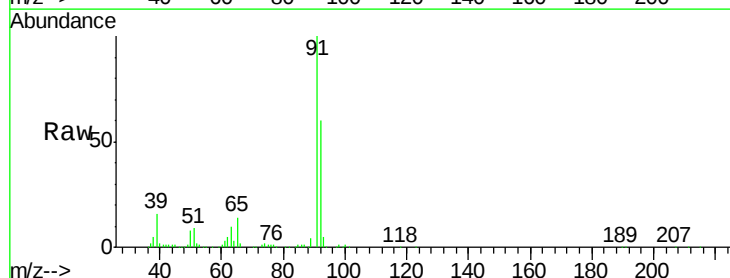
Acq: 10 Jul 2018 14:15

Tgt Ion: 92 Resp: 138542

Ion Ratio Lower Upper

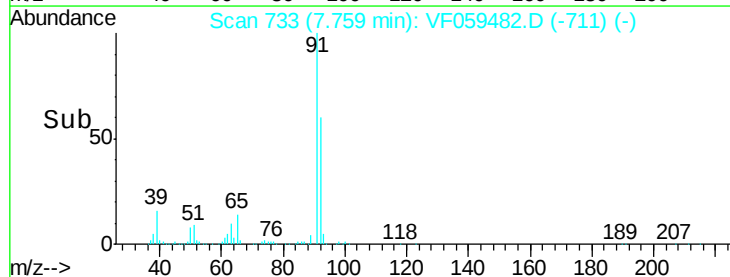
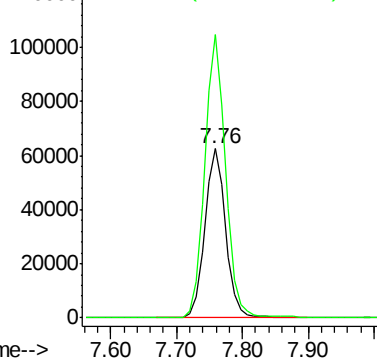
92 100

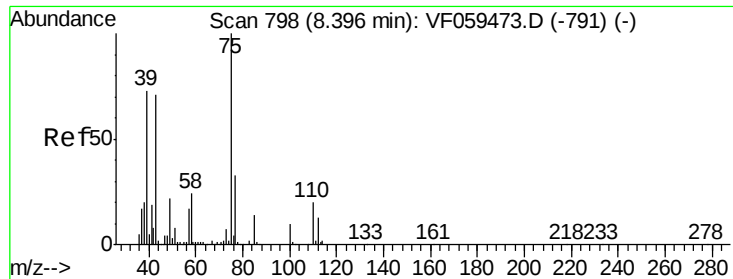
91 167.2 134.3 201.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





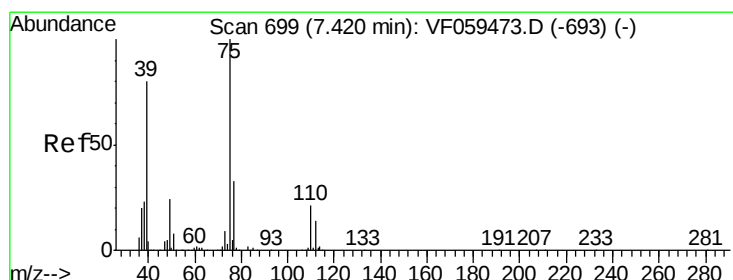
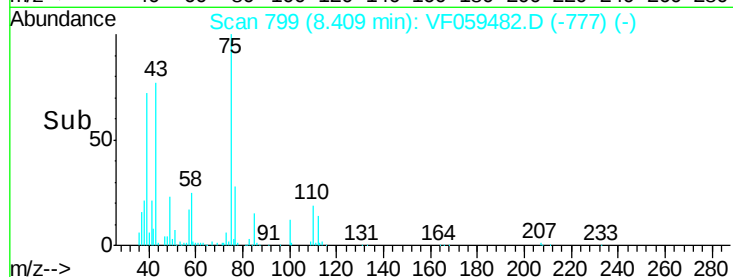
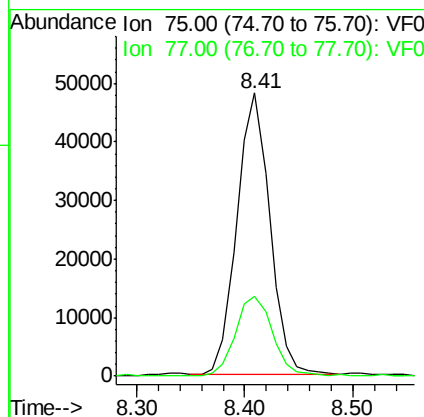
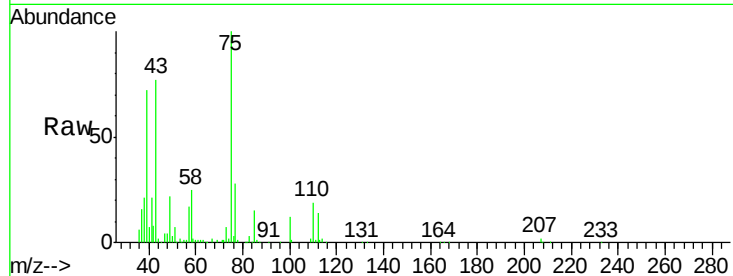
#53
t-1,3-Dichloropropene
Concen: 20.40 ug/l
RT: 8.41 min Scan# 799
Delta R.T. 0.01 min
Lab File: VF059482.D
Acq: 10 Jul 2018 14:15

Instrument :
MSVOA_F
ClientSampleId :
VF0710SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	28.2	26.4	39.6

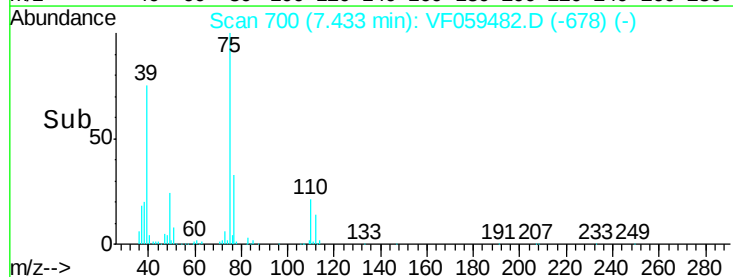
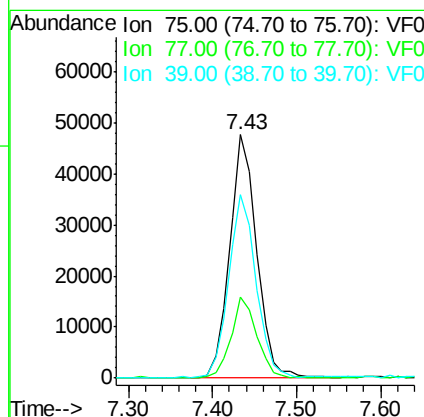
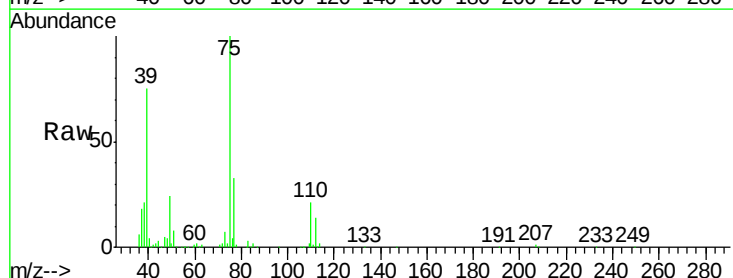
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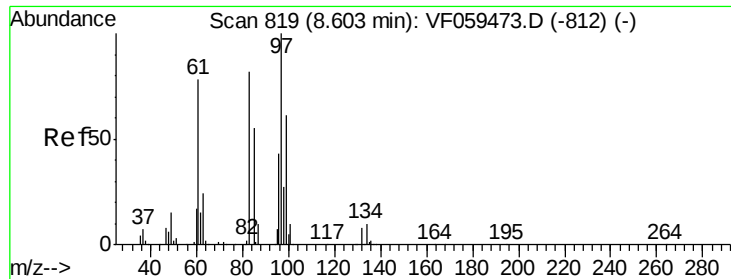
apatel
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#54
cis-1,3-Dichloropropene
Concen: 21.17 ug/l
RT: 7.43 min Scan# 700
Delta R.T. 0.01 min
Lab File: VF059482.D
Acq: 10 Jul 2018 14:15

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.2	26.2	39.4
39	75.3	64.5	96.7





#55

1,1,2-Trichloroethane

Concen: 18.75 ug/l

RT: 8.63 min Scan# 821

Delta R.T. 0.02 min

Lab File: VF059482.D

Acq: 10 Jul 2018 14:15

Instrument :

MSVOA_F

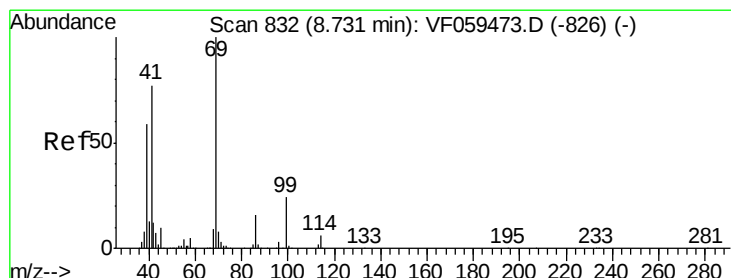
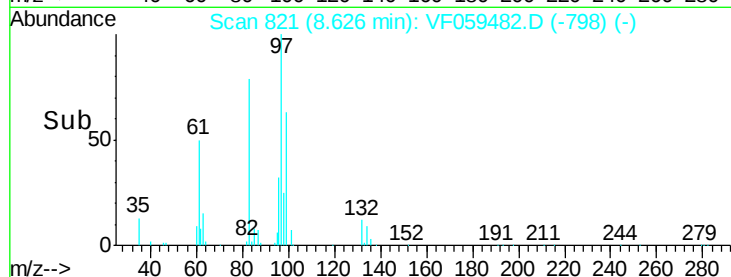
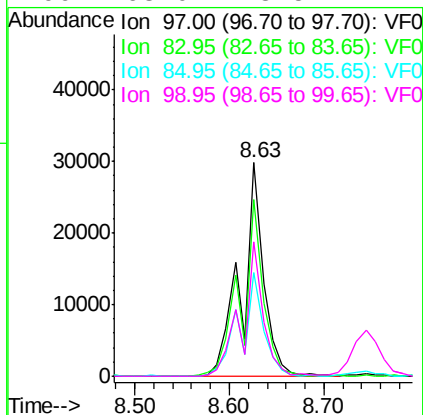
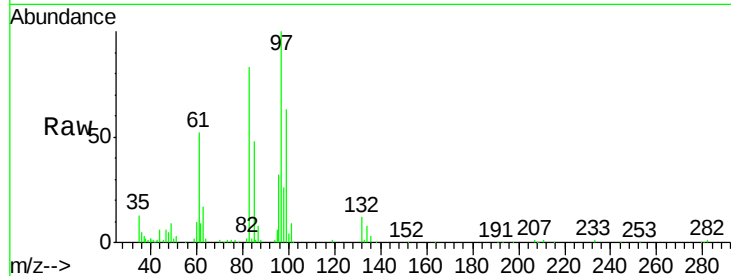
ClientSampleId :

VF0710SBS01

Tot Ion:	97	Resp:	47469
Ion	Ratio	Lower	Upper
97	100		
83	83.0	65.7	98.5
85	48.3	43.8	65.6
99	63.0	48.5	72.7

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#56

Ethyl methacrylate

Concen: 20.63 ug/l

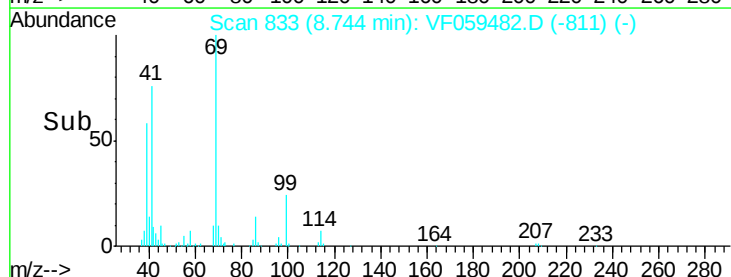
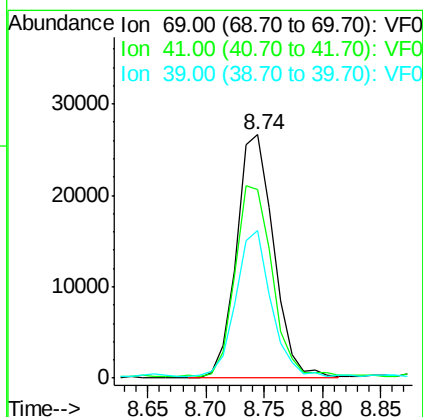
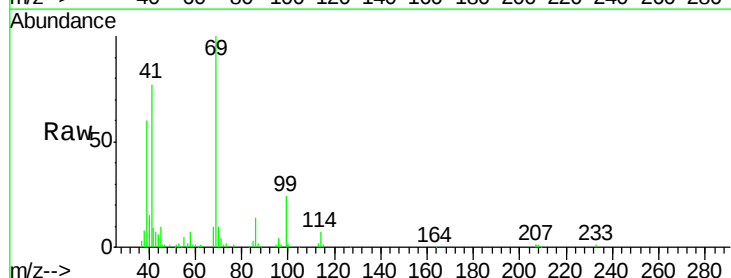
RT: 8.74 min Scan# 833

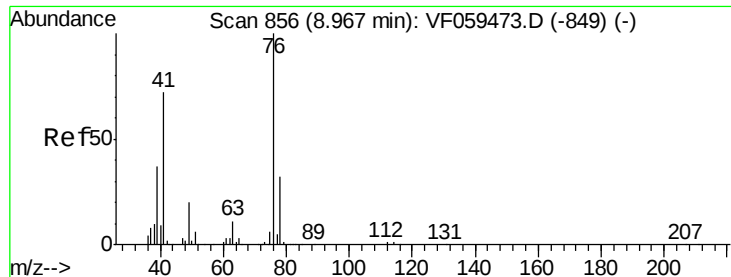
Delta R.T. 0.01 min

Lab File: VF059482.D

Acq: 10 Jul 2018 14:15

Tgt Ion:	69	Resp:	59111
Ion	Ratio	Lower	Upper
69	100		
41	77.5	62.2	93.4
39	60.4	47.7	71.5





#57

1,3-Dichloropropane

Concen: 19.48 ug/l

RT: 8.98 min Scan# 857

Delta R.T. 0.01 min

Lab File: VF059482.D

Acq: 10 Jul 2018 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0710SBSD01

Tot Ion: 76 Resp: 84251

Ion Ratio Lower Upper

76 100

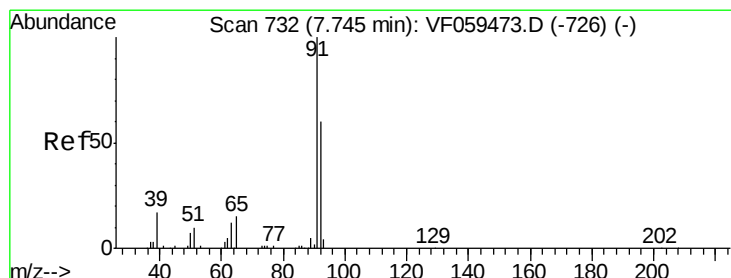
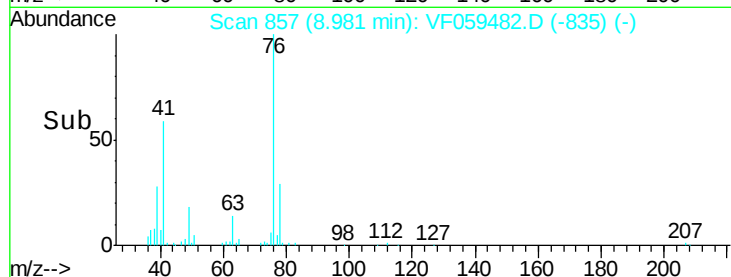
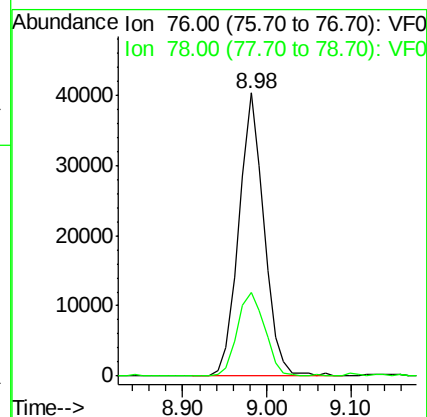
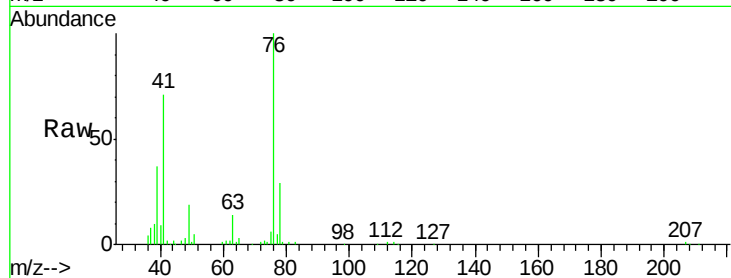
78 29.4 25.2 37.8

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#58

2-Chloroethyl Vinyl ether

Concen: 99.24 ug/l

RT: 7.76 min Scan# 733

Delta R.T. 0.01 min

Lab File: VF059482.D

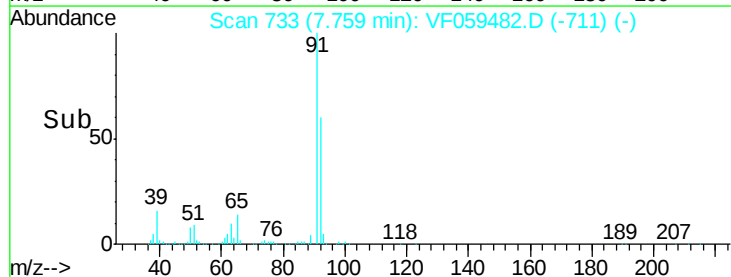
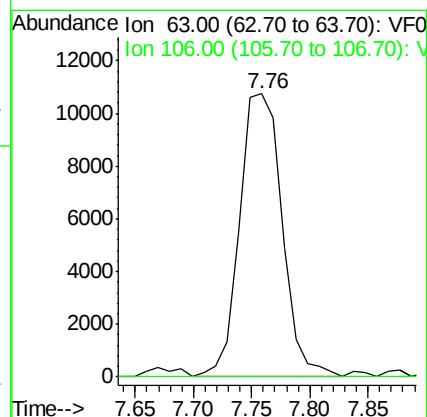
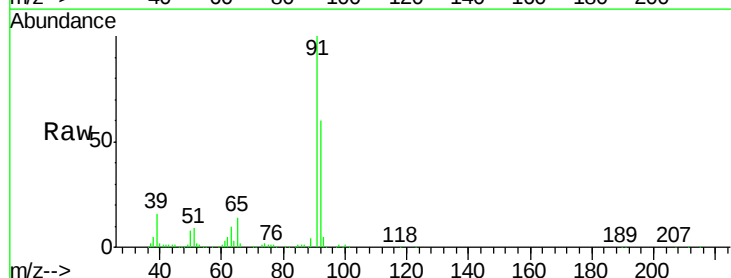
Acq: 10 Jul 2018 14:15

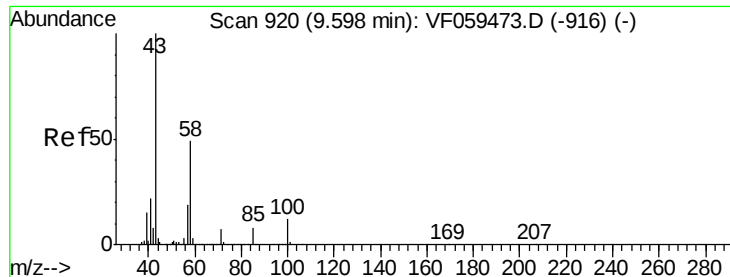
Tgt Ion: 63 Resp: 27226

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





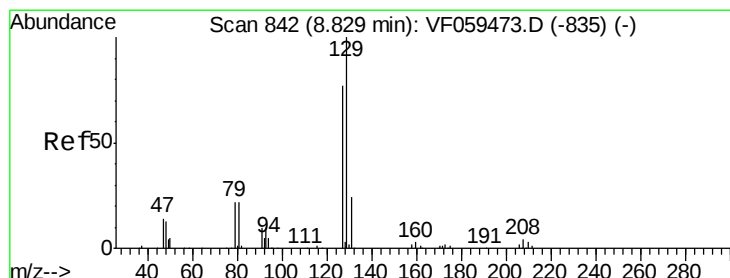
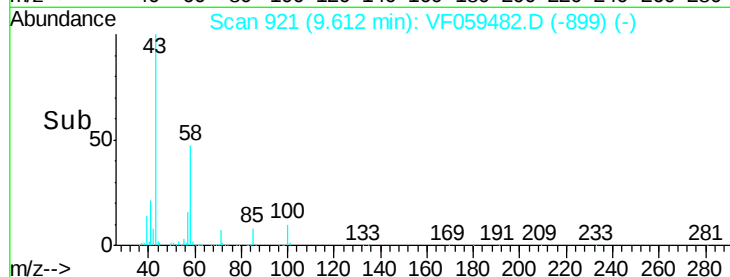
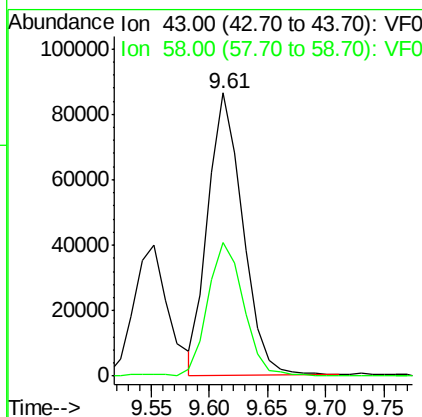
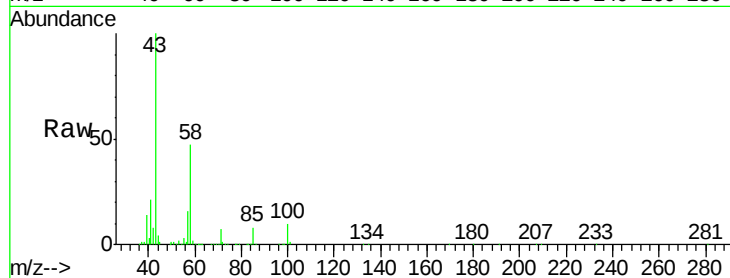
#59
2-Hexanone
Concen: 108.41 ug/l
RT: 9.61 min Scan# 921
Delta R.T. 0.01 min
Lab File: VF059482.D
Acq: 10 Jul 2018 14:15

Instrument :
MSVOA_F
ClientSampleId :
VF0710SBSD01

Tot Ion: 43 Resp: 178872
Ion Ratio Lower Upper
43 100
58 47.1 22.4 67.2

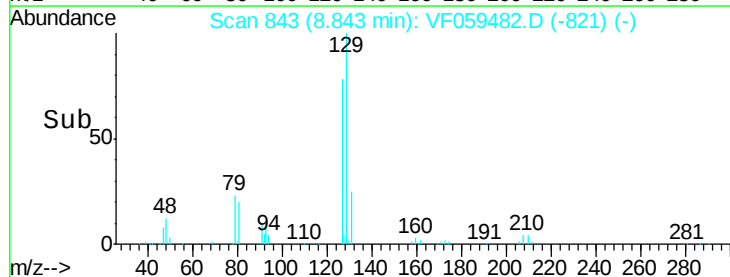
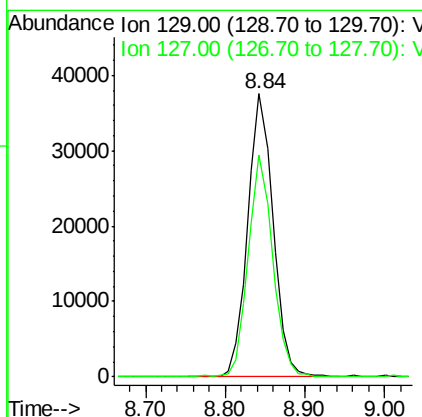
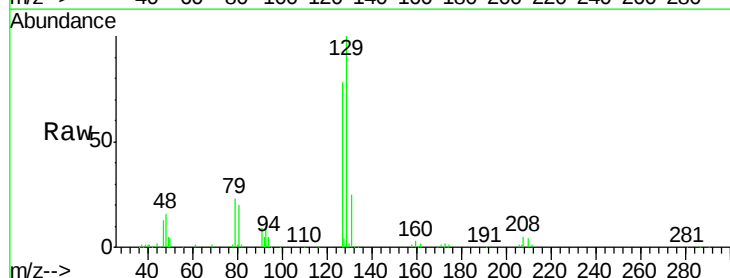
Manual Integrations
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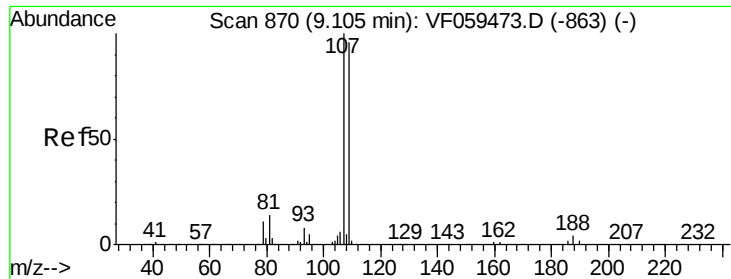
apatel
7/11/2018 11:33:38 AM



#60
Dibromochloromethane
Concen: 19.49 ug/l
RT: 8.84 min Scan# 843
Delta R.T. 0.01 min
Lab File: VF059482.D
Acq: 10 Jul 2018 14:15

Tgt Ion: 129 Resp: 82249
Ion Ratio Lower Upper
129 100
127 78.5 38.8 116.3





#61

1,2-Dibromoethane

Concen: 19.84 ug/l

RT: 9.12 min Scan# 871

Delta R.T. 0.01 min

Lab File: VF059482.D

Acq: 10 Jul 2018 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0710SBS01

Tot Ion:107 Resp: 61721

Ion Ratio Lower Upper

107 100

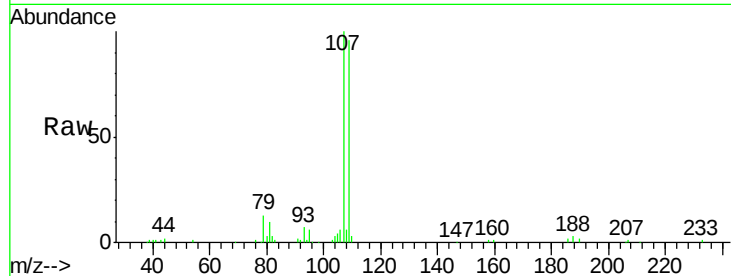
109 95.9 76.7 115.1

Manual Integrations

APPROVED

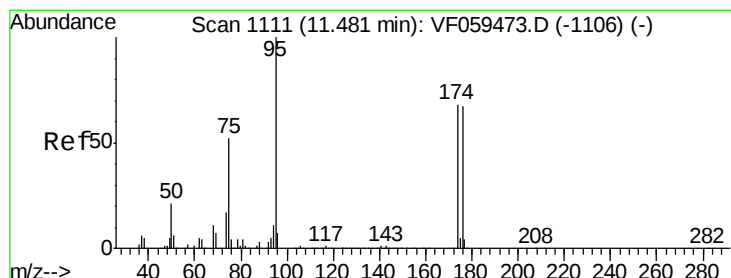
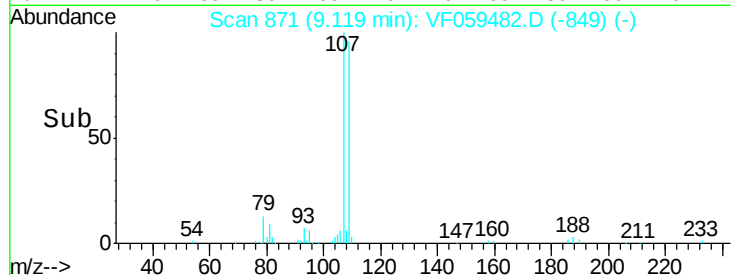
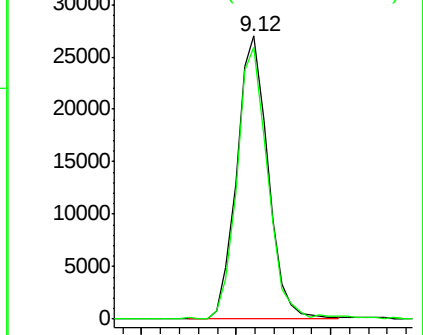
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 48.04 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VF059482.D

Acq: 10 Jul 2018 14:15

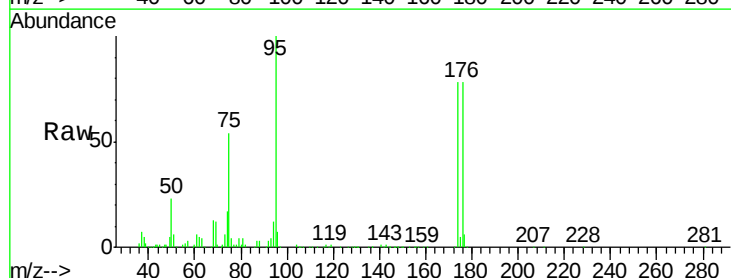
Tgt Ion: 95 Resp: 253956

Ion Ratio Lower Upper

95 100

174 77.5 0.0 137.0

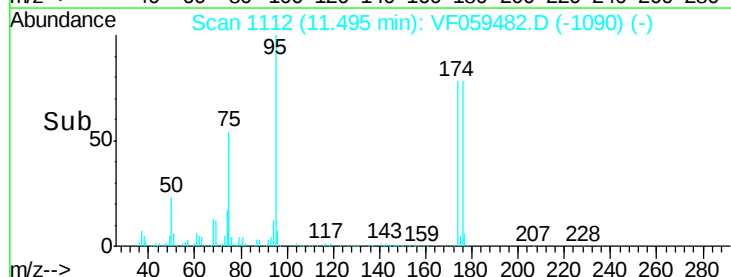
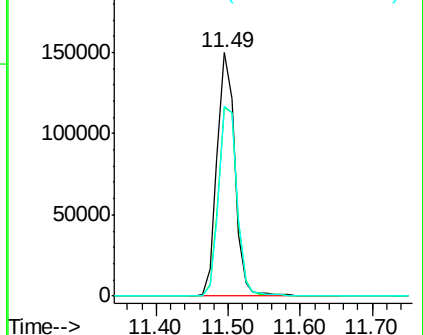
176 77.8 0.0 133.8

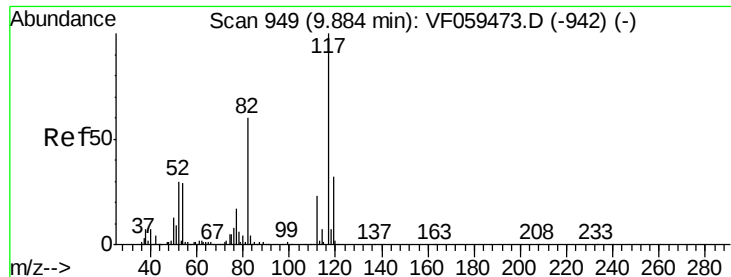


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





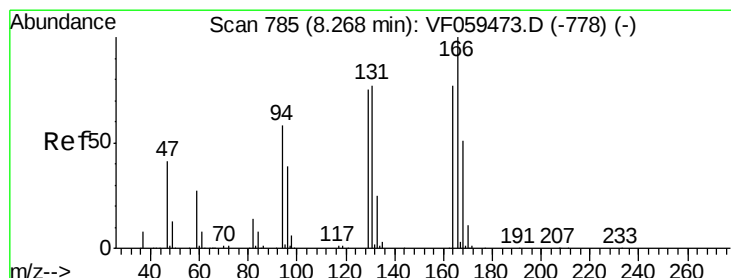
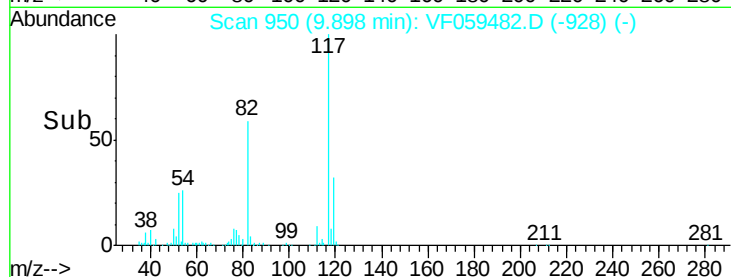
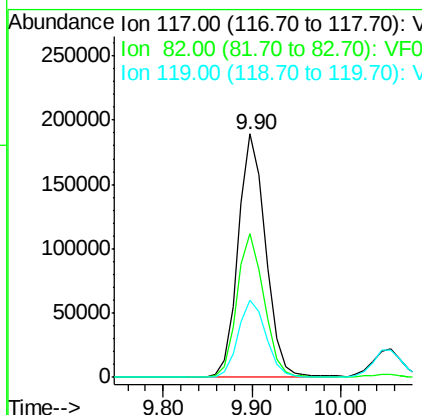
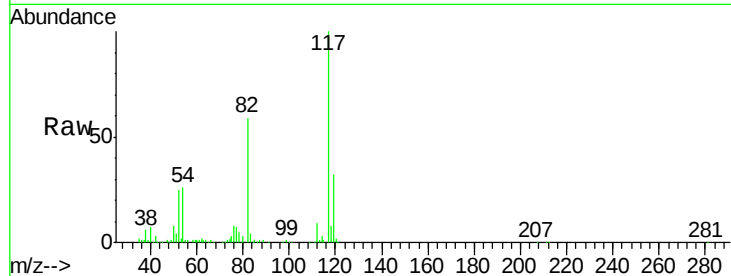
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.90 min Scan# 950
Delta R.T. 0.01 min
Lab File: VF059482.D
Acq: 10 Jul 2018 14:15

Instrument :
MSVOA_F
ClientSampleId :
VF0710SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.0	48.2	72.4
119	31.5	25.7	38.5

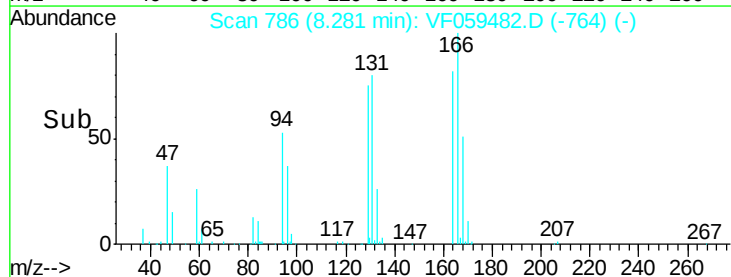
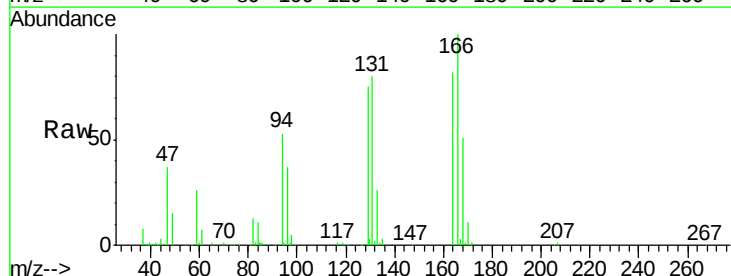
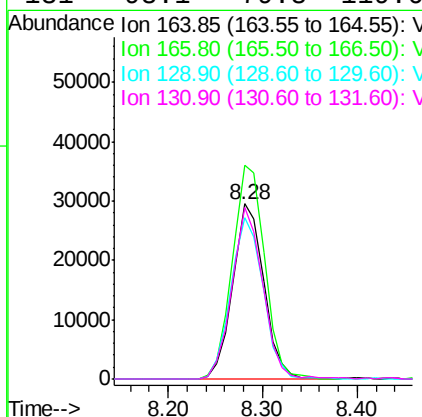
Manual Integrations
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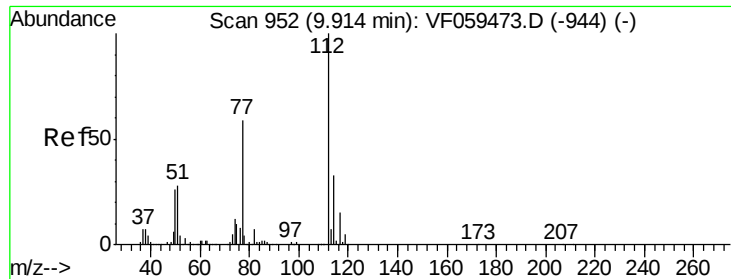
apatel
7/11/2018 11:33:38 AM



#64
Tetrachloroethene
Concen: 19.86 ug/l
RT: 8.28 min Scan# 786
Delta R.T. 0.01 min
Lab File: VF059482.D
Acq: 10 Jul 2018 14:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.1	103.5	155.3
129	92.1	77.6	116.4
131	98.1	79.8	119.6





#65

Chlorobenzene

Concen: 21.42 ug/l

RT: 9.93 min Scan# 953

Delta R.T. 0.01 min

Lab File: VF059482.D

Acq: 10 Jul 2018 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0710SBS01

Tot Ion:112 Resp: 169467

Ion Ratio Lower Upper

112 100

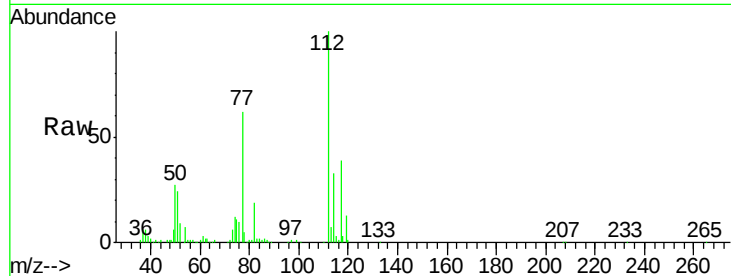
114 32.9 26.2 39.2

Manual Integrations

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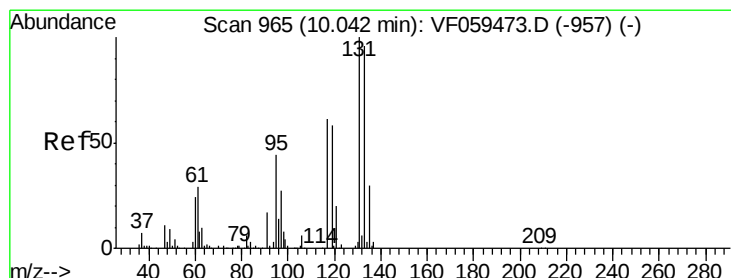
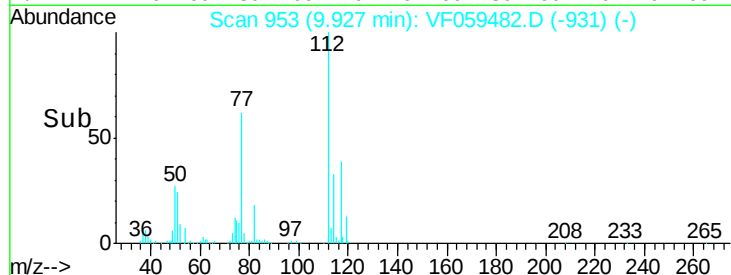
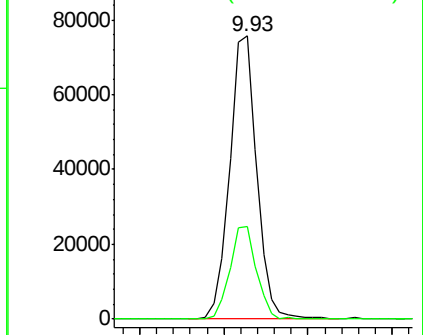
apatel

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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: 21.28 ug/l

RT: 10.06 min Scan# 966

Delta R.T. 0.01 min

Lab File: VF059482.D

Acq: 10 Jul 2018 14:15

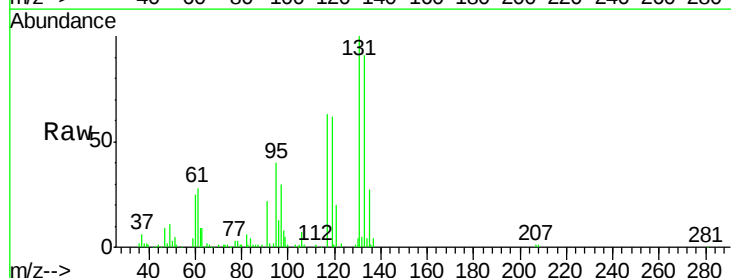
Tgt Ion:131 Resp: 77587

Ion Ratio Lower Upper

131 100

133 90.7 48.1 144.3

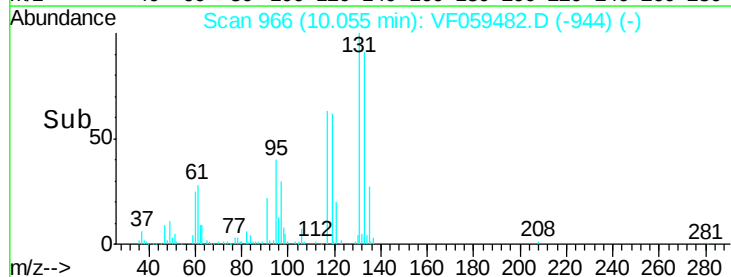
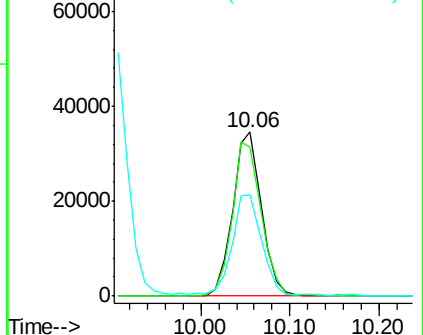
119 62.1 29.3 87.8

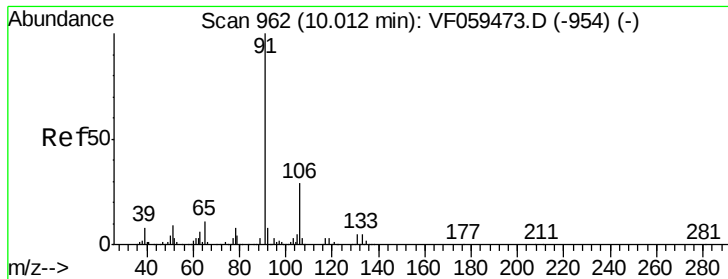


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 22.42 ug/l

RT: 10.03 min Scan# 963

Delta R.T. 0.01 min

Lab File: VF059482.D

Acq: 10 Jul 2018 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0710SBSD01

Tot Ion: 91 Resp: 308401

Ion Ratio Lower Upper

91 100

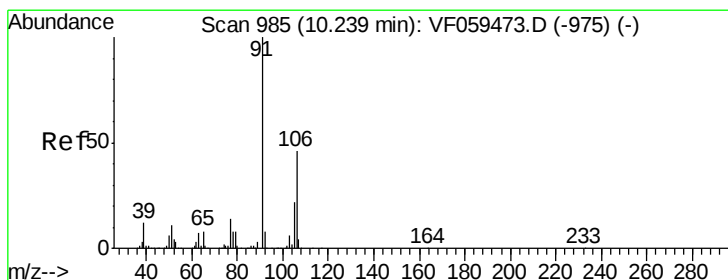
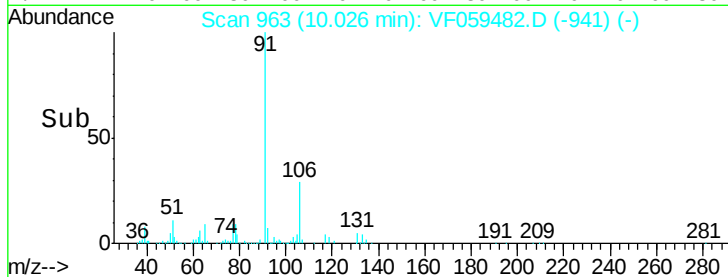
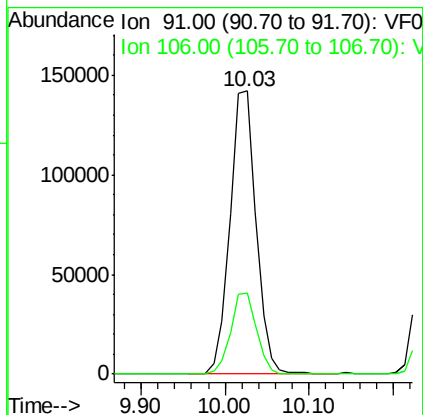
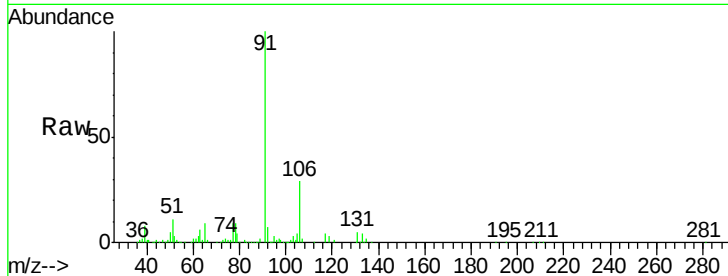
106 28.5 23.0 34.6

Manual Integrations

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#68

m/p-Xylenes

Concen: 45.53 ug/l

RT: 10.25 min Scan# 986

Delta R.T. 0.01 min

Lab File: VF059482.D

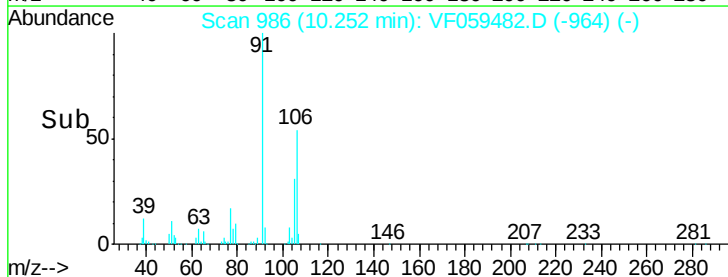
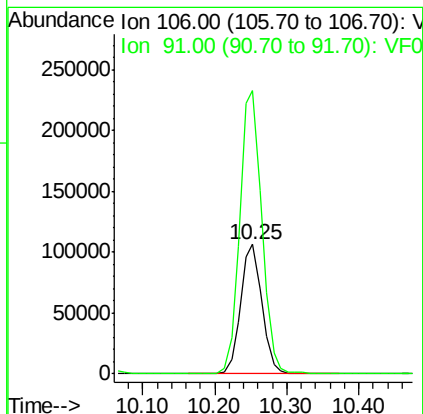
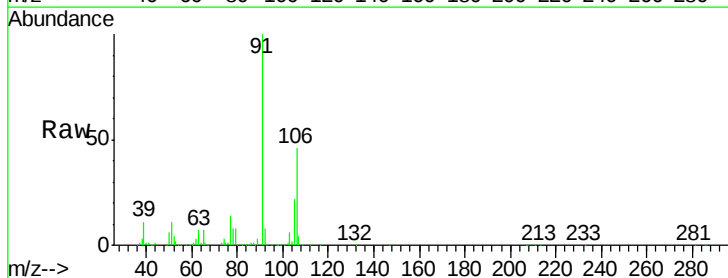
Acq: 10 Jul 2018 14:15

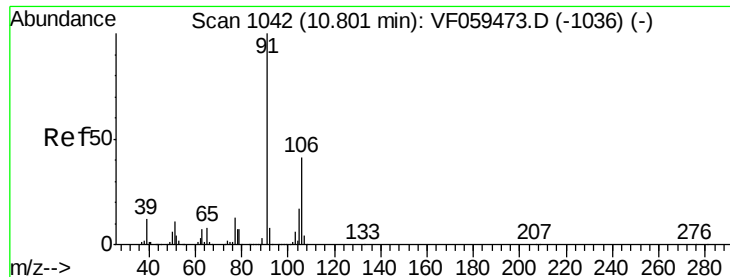
Tgt Ion: 106 Resp: 220739

Ion Ratio Lower Upper

106 100

91 219.0 173.5 260.3





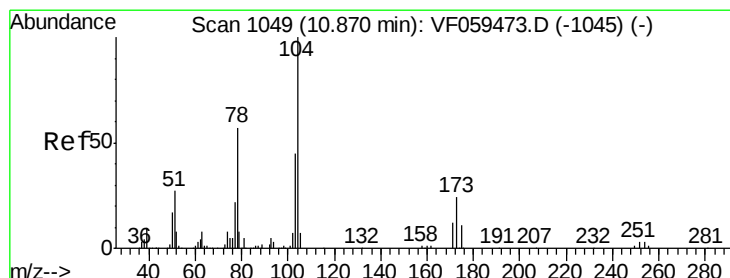
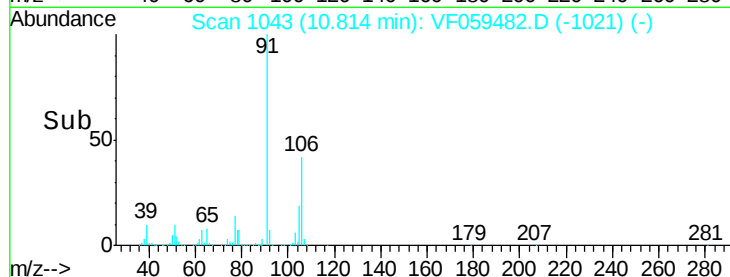
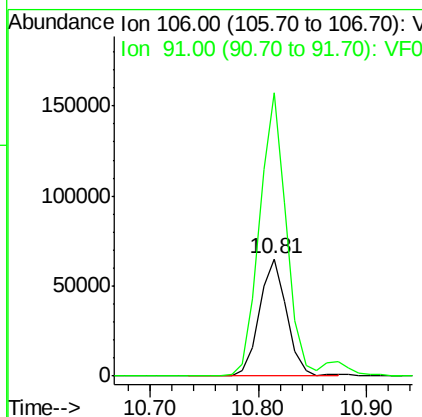
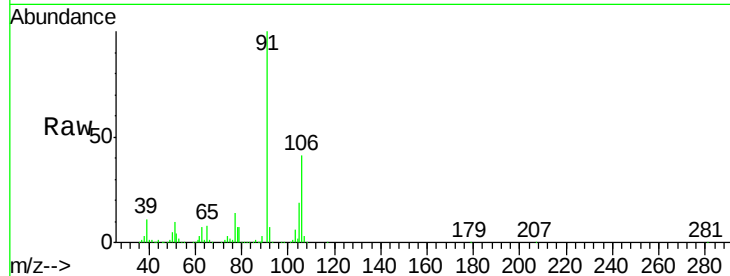
#69
o-Xylene
Concen: 22.02 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VF059482.D
Acq: 10 Jul 2018 14:15

Instrument :
MSVOA_F
ClientSampleId :
VF0710SBSD01

Tot Ion:106 Resp: 114892
Ion Ratio Lower Upper
106 100
91 241.3 121.8 365.3

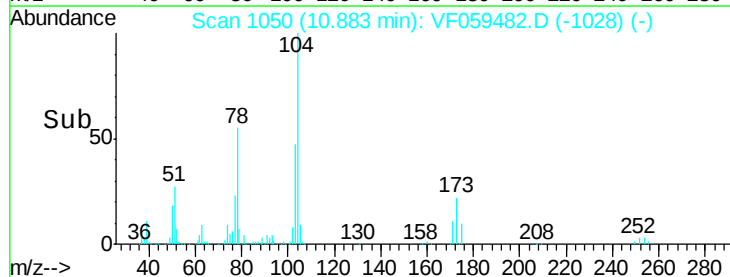
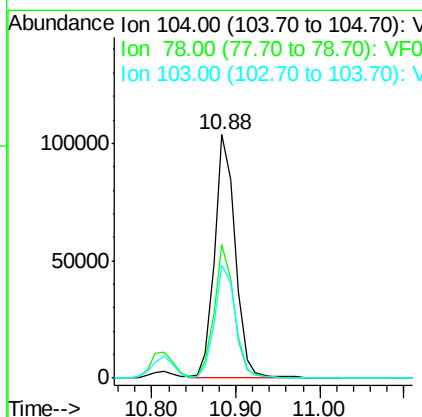
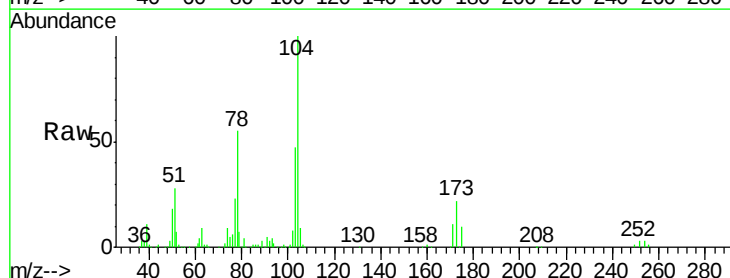
Manual Integrations
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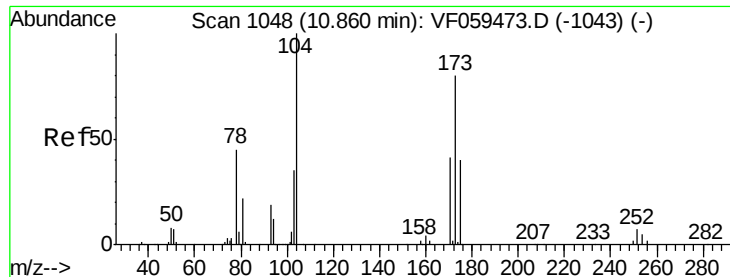
apatel
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#70
Styrene
Concen: 21.77 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VF059482.D
Acq: 10 Jul 2018 14:15

Tgt Ion:104 Resp: 177017
Ion Ratio Lower Upper
104 100
78 54.8 46.2 69.2
103 46.5 36.8 55.2





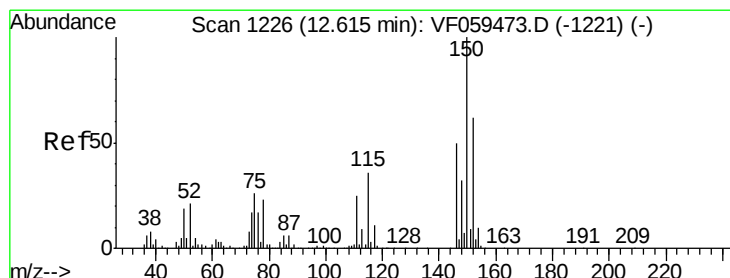
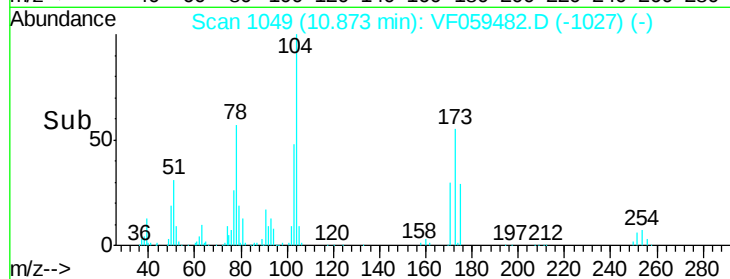
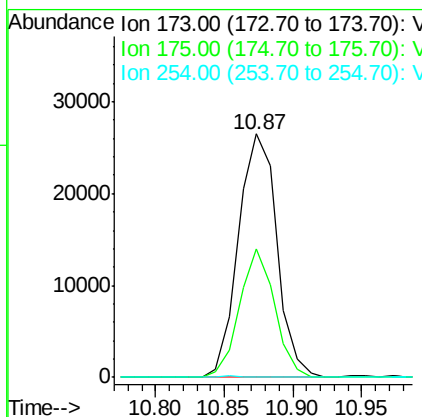
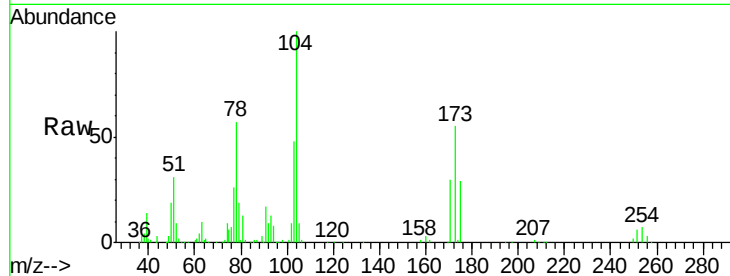
#71
Bromoform
Concen: 20.57 ug/l
RT: 10.87 min Scan# 1049
Delta R.T. 0.01 min
Lab File: VF059482.D
Acq: 10 Jul 2018 14:15

Instrument :
MSVOA_F
ClientSampleId :
VF0710SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.5	24.9	74.8
254	0.0	0.0	0.0

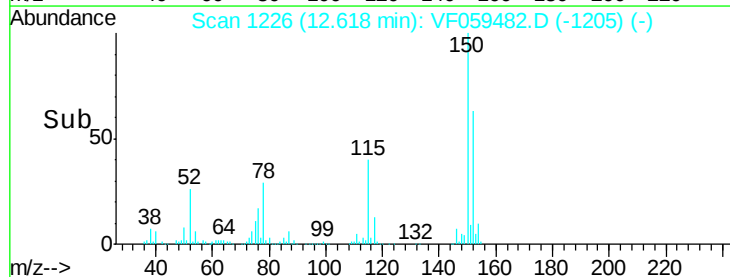
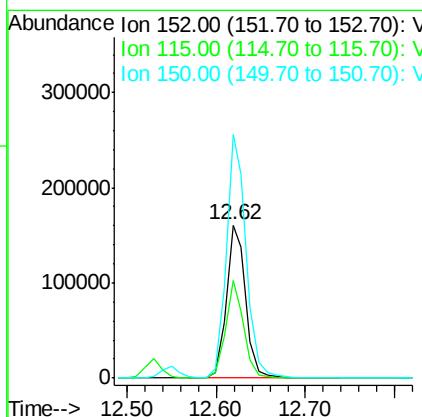
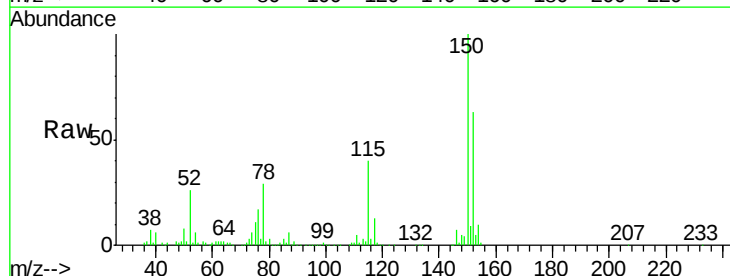
Manual Integrations
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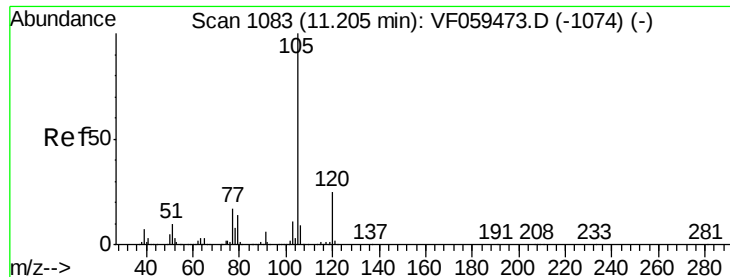
apatel
7/11/2018 11:33:38 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.00 min
Lab File: VF059482.D
Acq: 10 Jul 2018 14:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.5	28.7	86.3
150	159.0	0.0	323.8





#73

Isopropylbenzene

Concen: 23.98 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VF059482.D

Acq: 10 Jul 2018 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0710SBSD01

Tot Ion:105 Resp: 359666

Ion Ratio Lower Upper

105 100

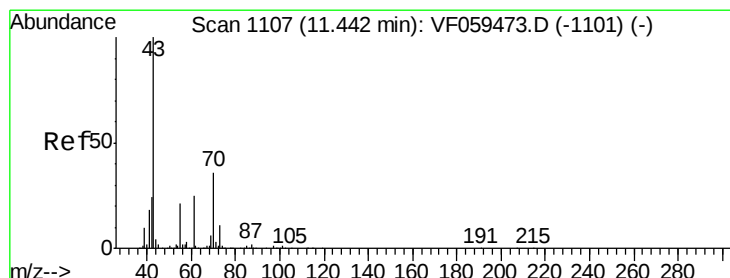
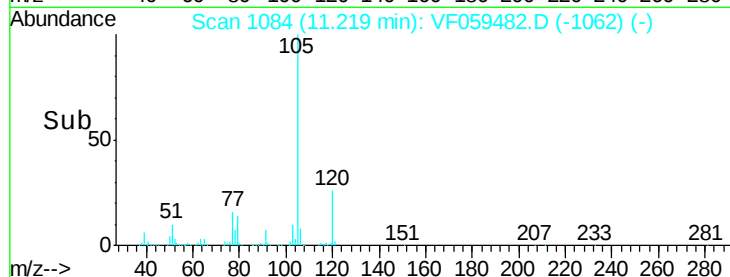
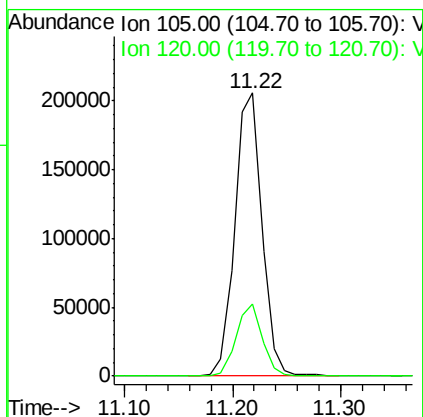
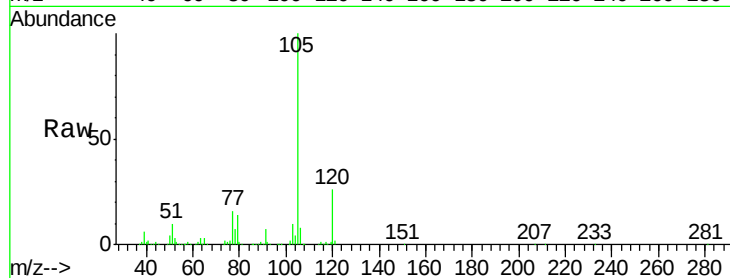
120 25.7 12.4 37.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 24.02 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VF059482.D

Acq: 10 Jul 2018 14:15

Tgt Ion: 43 Resp: 110003

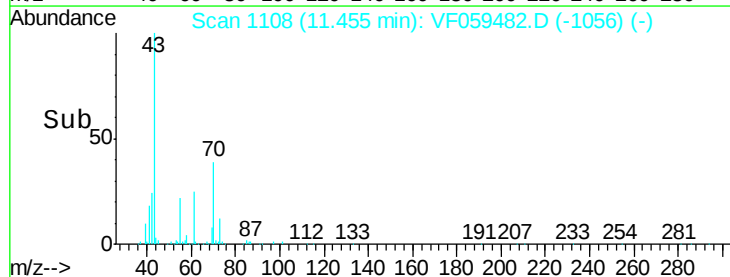
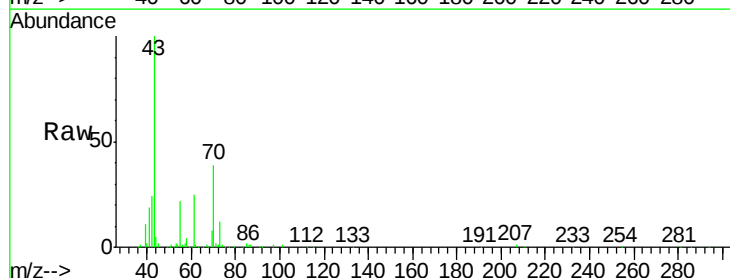
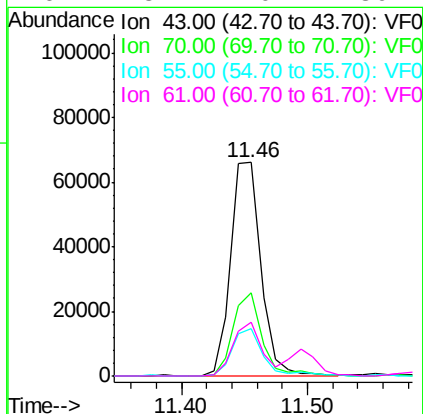
Ion Ratio Lower Upper

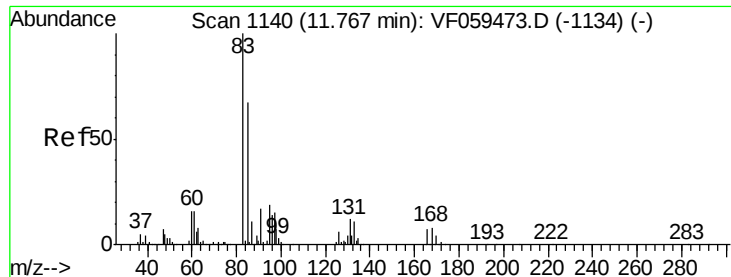
43 100

70 38.9 28.7 43.1

55 22.0 16.6 24.8

61 25.4 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 22.24 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF059482.D

Acq: 10 Jul 2018 14:15

Instrument :

MSVOA_F

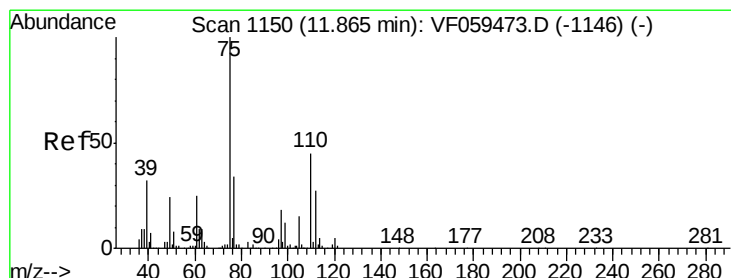
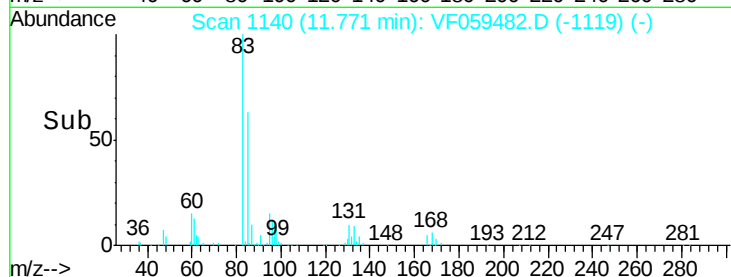
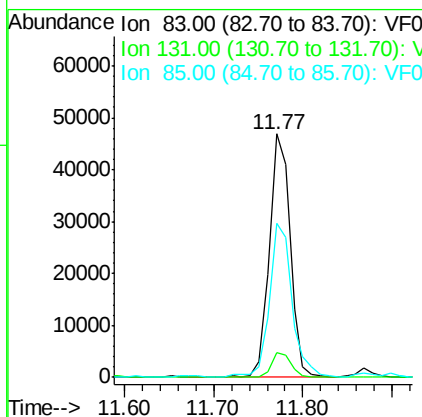
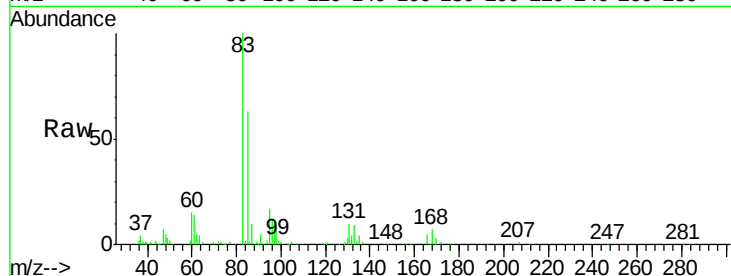
ClientSampleId :

VF0710SBS01

Tot Ion	83	Resp	75817
Ion Ratio	100	Lower	Upper
83	100		
131	10.1	6.0	18.0
85	63.4	33.7	101.1

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#76

1,2,3-Trichloropropane

Concen: 21.81 ug/l

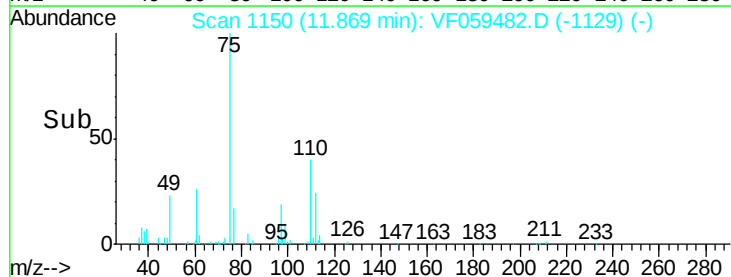
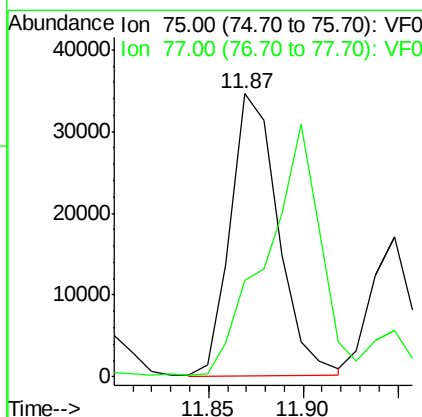
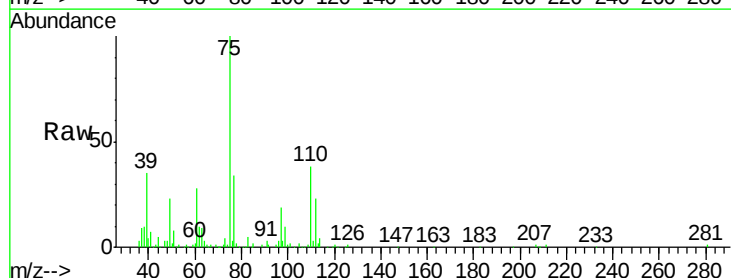
RT: 11.87 min Scan# 1150

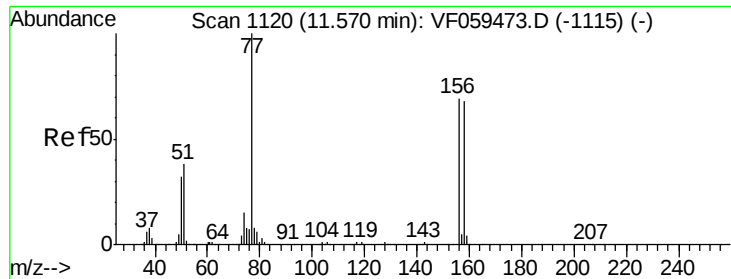
Delta R.T. 0.00 min

Lab File: VF059482.D

Acq: 10 Jul 2018 14:15

Tgt Ion	75	Resp	60543
Ion Ratio	100	Lower	Upper
75	100		
77	34.0	16.9	50.6





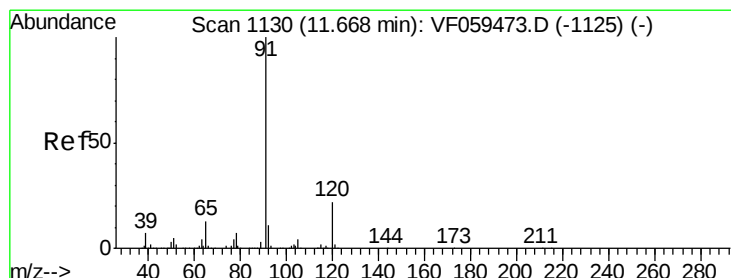
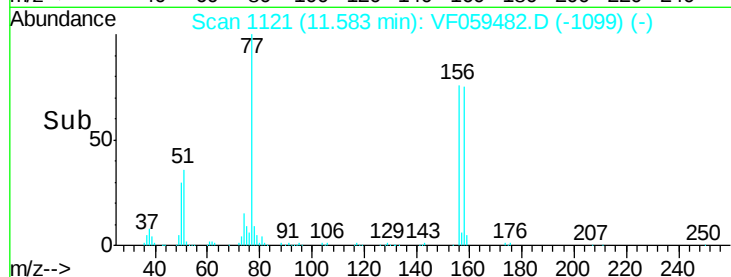
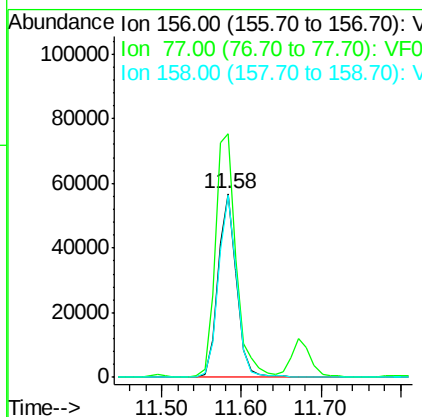
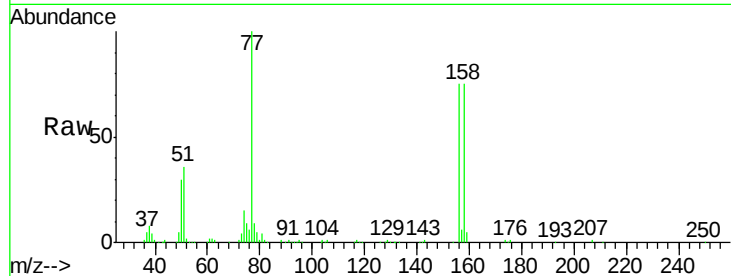
#77
Bromobenzene
Concen: 22.28 ug/l
RT: 11.58 min Scan# 1121
Delta R.T. 0.01 min
Lab File: VF059482.D
Acq: 10 Jul 2018 14:15

Instrument :
MSVOA_F
ClientSampleId :
VF0710SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	132.6	72.4	217.2	
158	99.4	49.5	148.3	

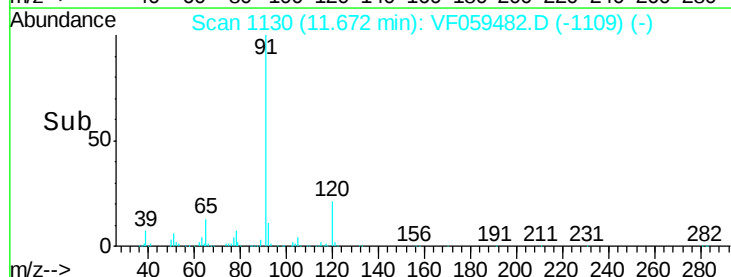
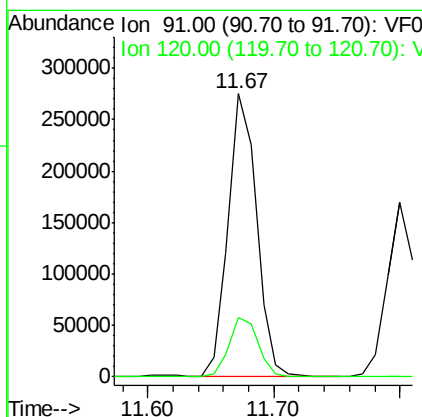
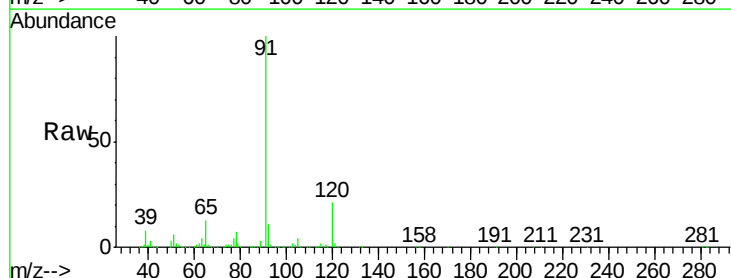
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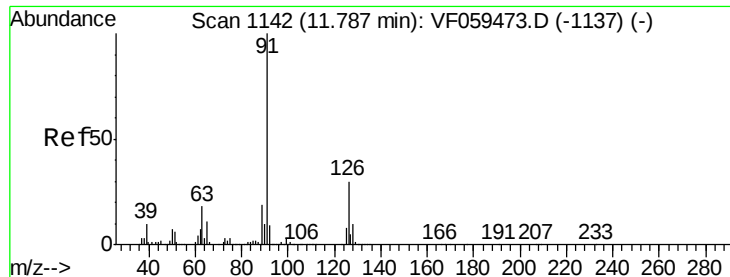
apatel
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#78
n-propylbenzene
Concen: 23.85 ug/l
RT: 11.67 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VF059482.D
Acq: 10 Jul 2018 14:15

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	20.9	11.1	33.1	





#79

2-Chlorotoluene

Concen: 23.24 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF059482.D

Acq: 10 Jul 2018 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0710SBSD01

Tot Ion: 91 Resp: 259025

Ion Ratio Lower Upper

91 100

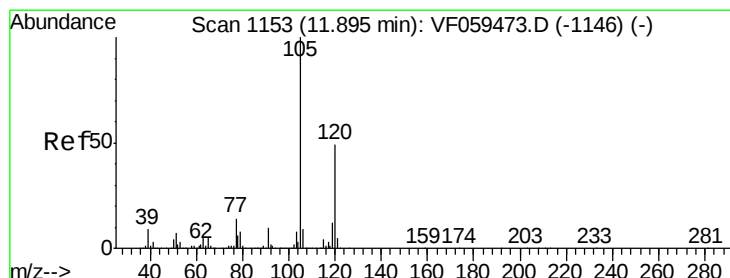
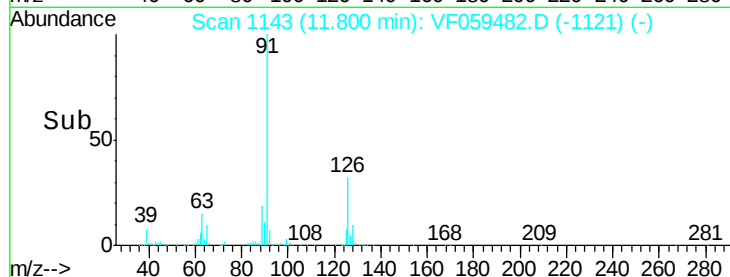
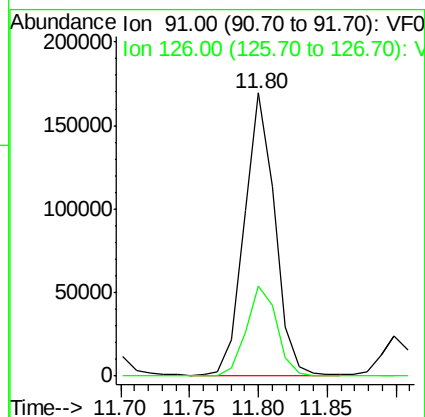
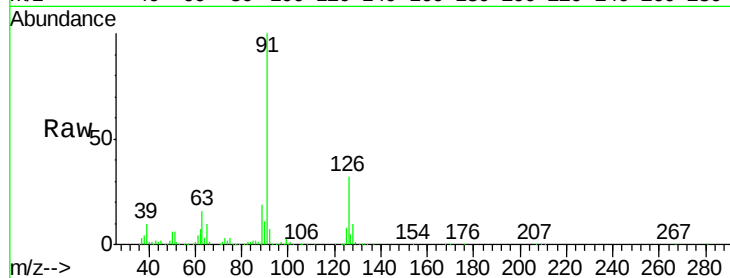
126 31.6 15.2 45.5

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#80

1,3,5-Trimethylbenzene

Concen: 23.20 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF059482.D

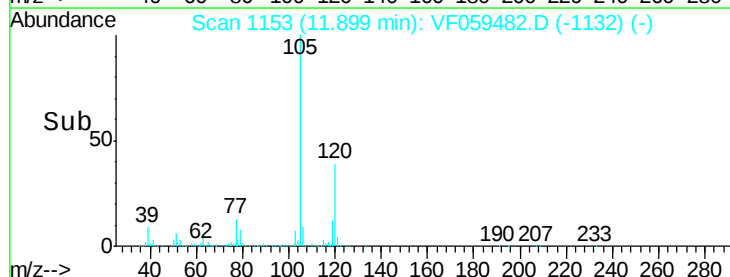
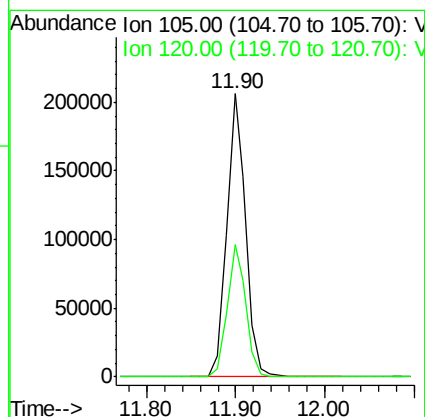
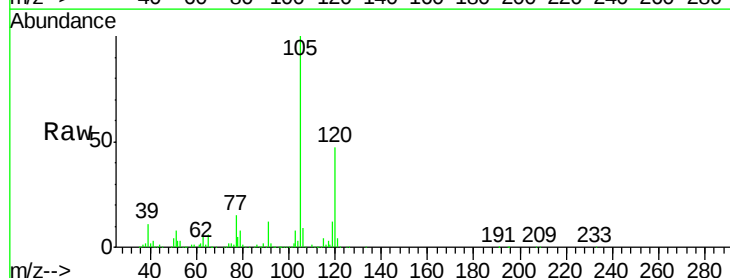
Acq: 10 Jul 2018 14:15

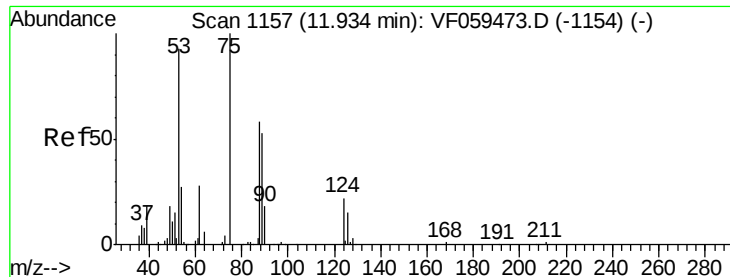
Tgt Ion: 105 Resp: 308357

Ion Ratio Lower Upper

105 100

120 47.0 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 24.13 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. 0.01 min

Lab File: VF059482.D

Acq: 10 Jul 2018 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0710SBS01

Tot Ion: 75 Resp: 34748

Ion Ratio Lower Upper

75 100

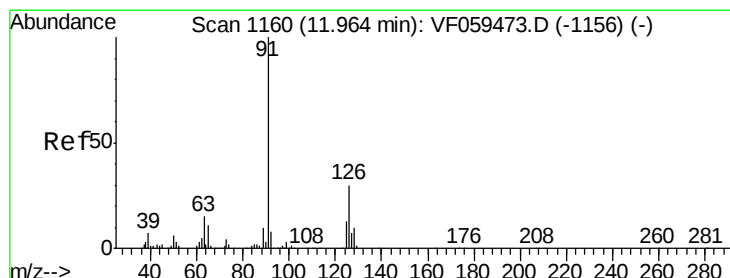
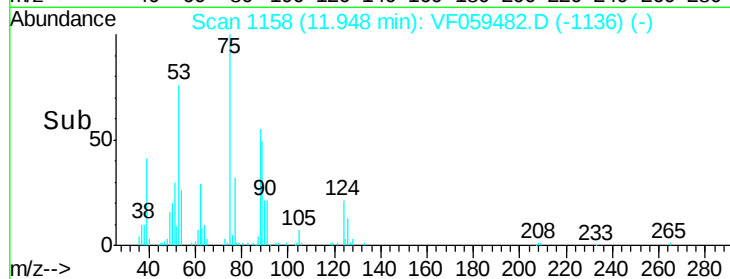
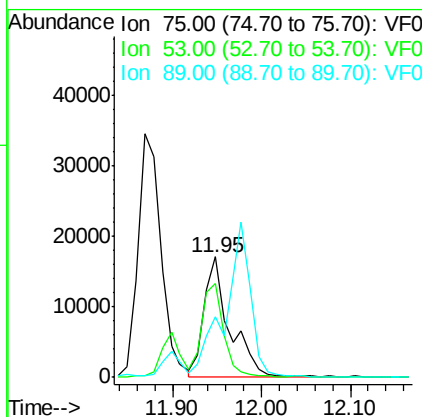
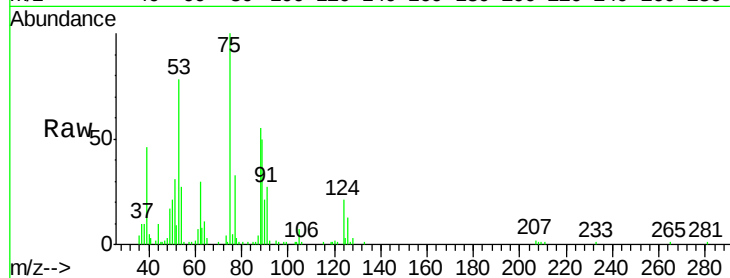
53 77.9 79.0 118.6#

89 50.2 45.9 68.9

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#82

4-Chlorotoluene

Concen: 23.24 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VF059482.D

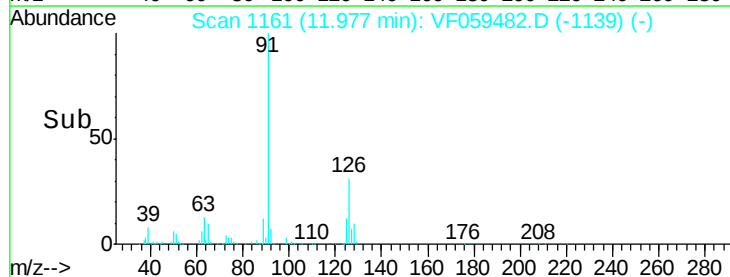
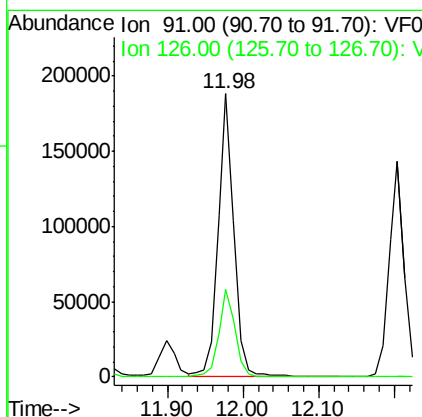
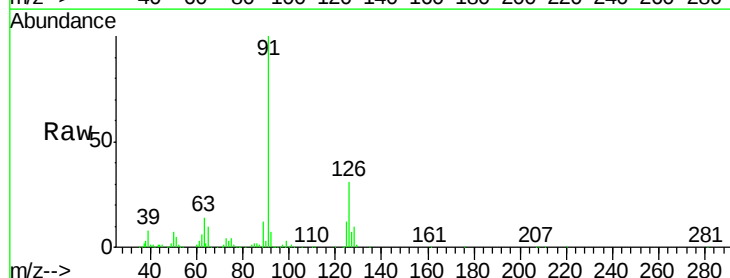
Acq: 10 Jul 2018 14:15

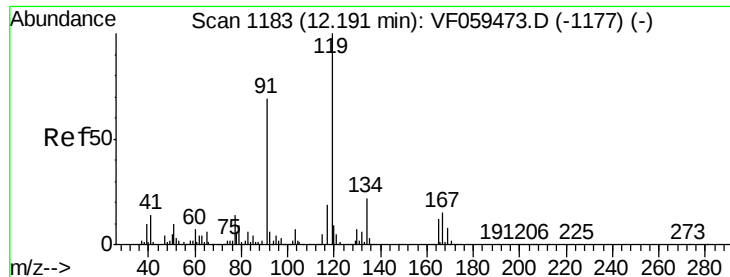
Tgt Ion: 91 Resp: 274528

Ion Ratio Lower Upper

91 100

126 30.9 14.9 44.5





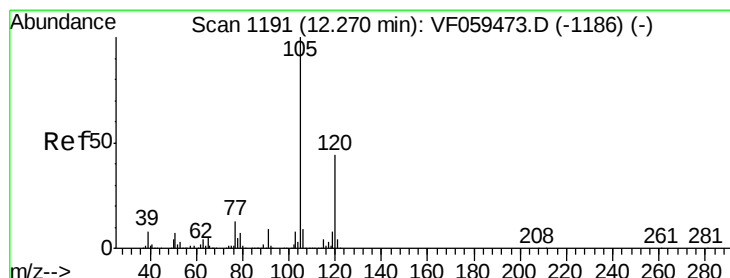
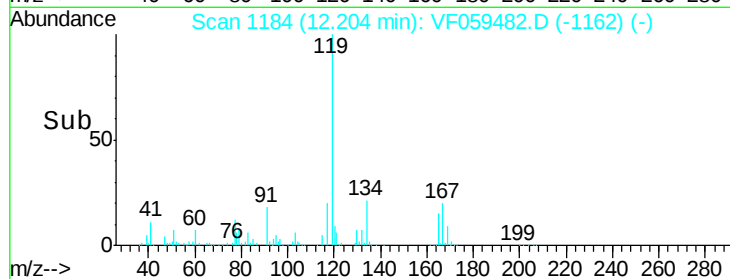
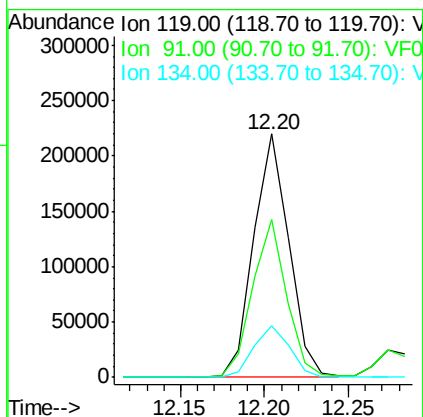
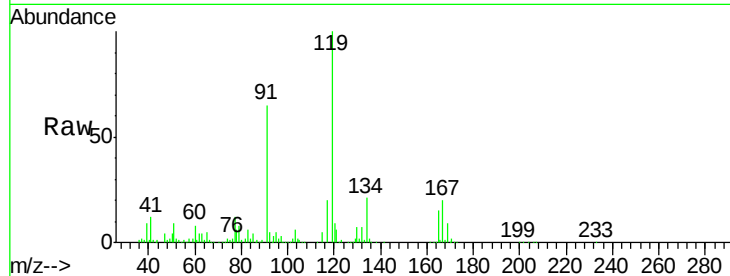
#83
tert-Butylbenzene
Concen: 24.85 ug/l
RT: 12.20 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VF059482.D
Acq: 10 Jul 2018 14:15

Instrument :
MSVOA_F
ClientSampleId :
VF0710SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	321267		
91	65.1	34.4	103.3	
134	21.3	10.8	32.4	

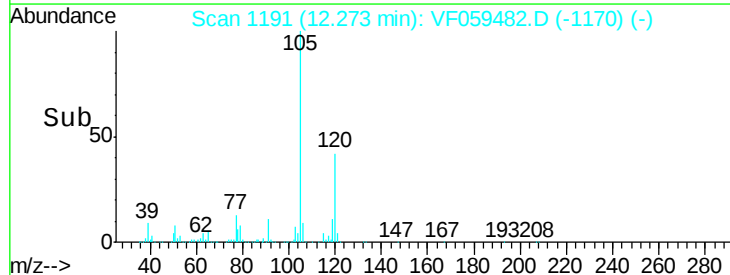
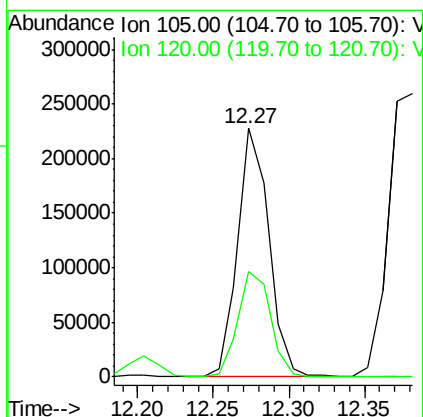
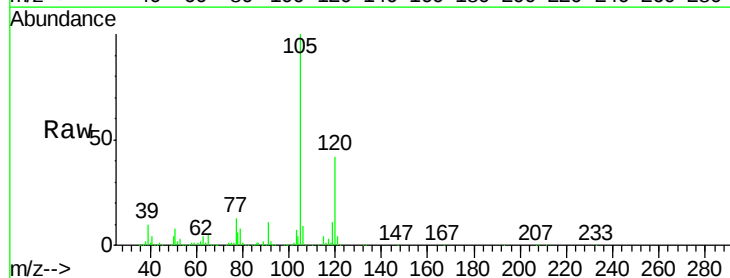
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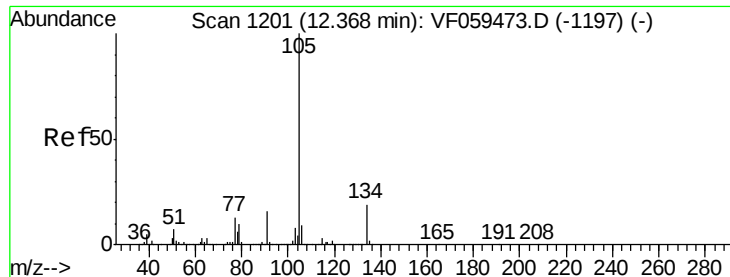
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#84
1,2,4-Trimethylbenzene
Concen: 23.45 ug/l
RT: 12.27 min Scan# 1191
Delta R.T. 0.00 min
Lab File: VF059482.D
Acq: 10 Jul 2018 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	327816		
120	42.4	22.1	66.1	





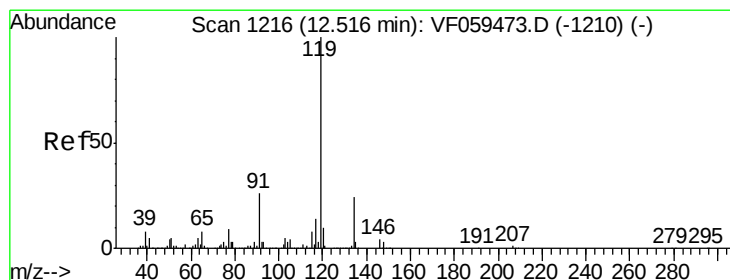
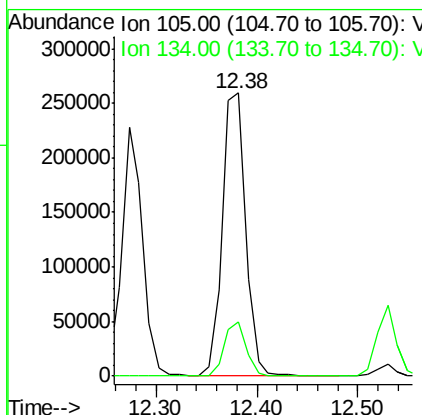
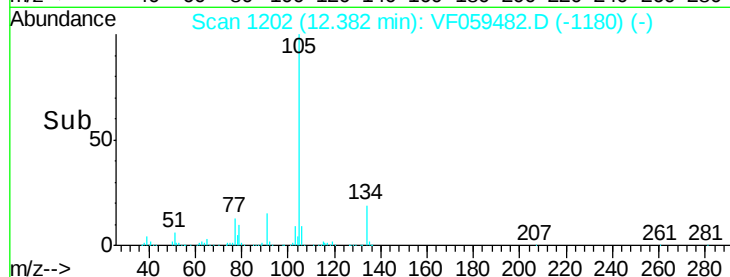
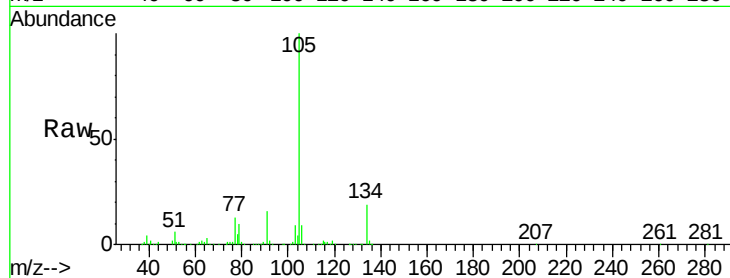
#85
 sec-Butylbenzene
 Concen: 23.96 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VF059482.D
 Acq: 10 Jul 2018 14:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0710SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.6	28.6

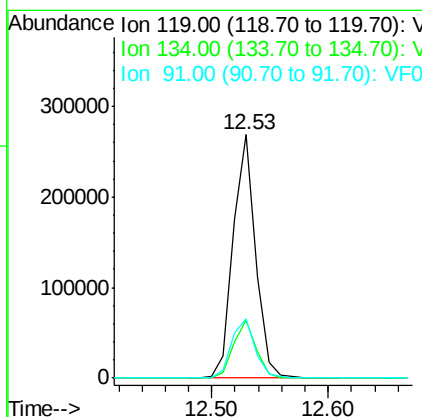
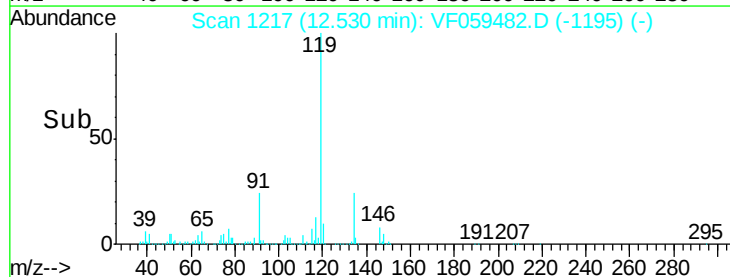
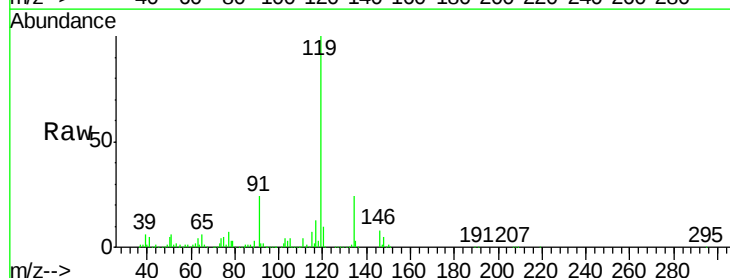
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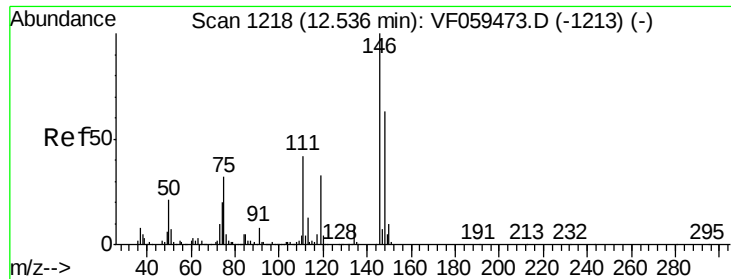
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#86
 p-Isopropyltoluene
 Concen: 24.00 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. 0.01 min
 Lab File: VF059482.D
 Acq: 10 Jul 2018 14:15

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.1	12.2	36.4
91	24.2	13.1	39.3





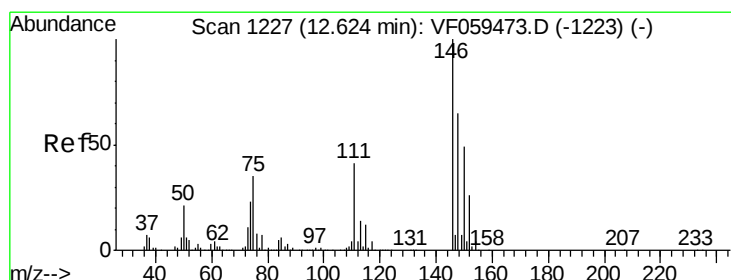
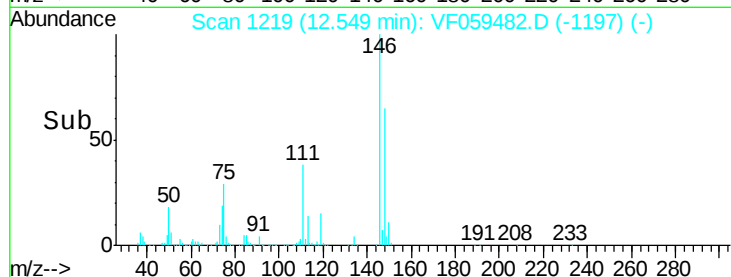
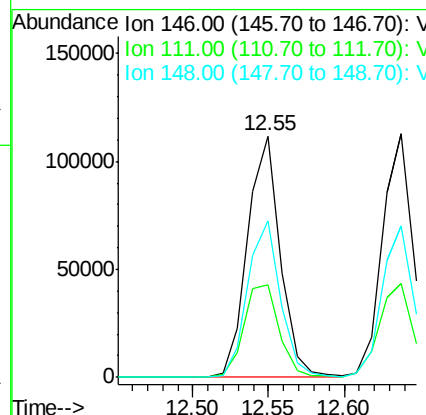
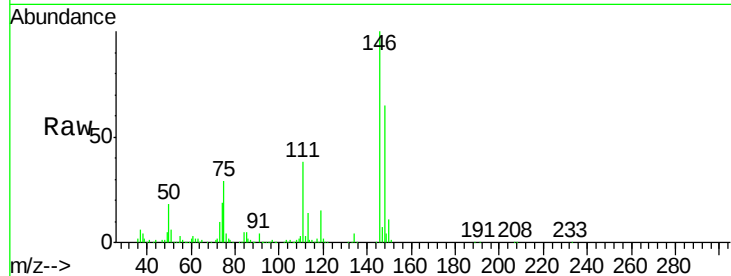
#87
 1,3-Dichlorobenzene
 Concen: 21.47 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VF059482.D
 Acq: 10 Jul 2018 14:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0710SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	21.0	63.0
148	64.8	31.6	94.8

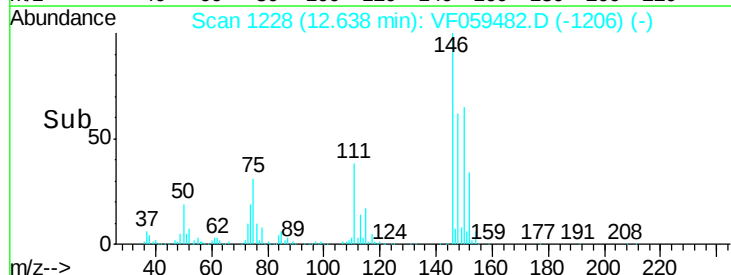
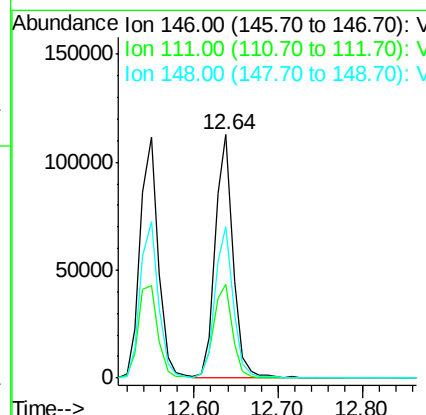
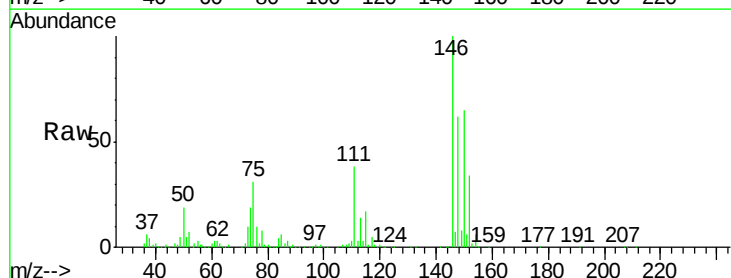
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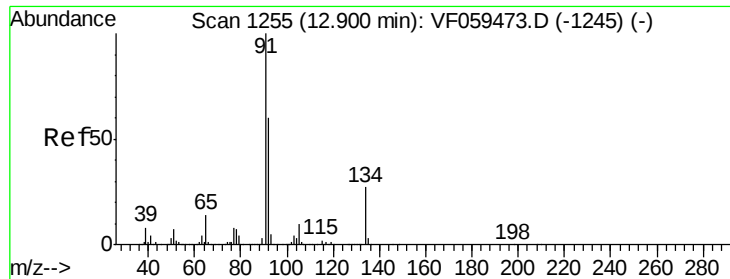
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 21.65 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VF059482.D
 Acq: 10 Jul 2018 14:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	20.8	62.2
148	62.4	32.6	97.8





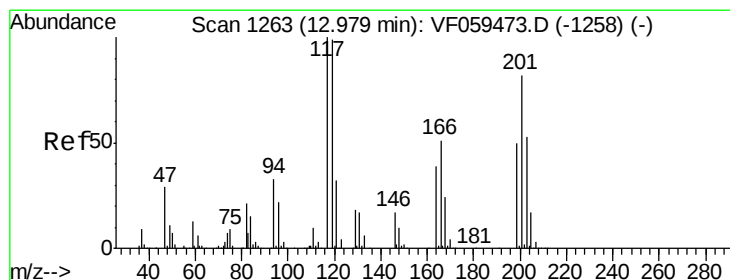
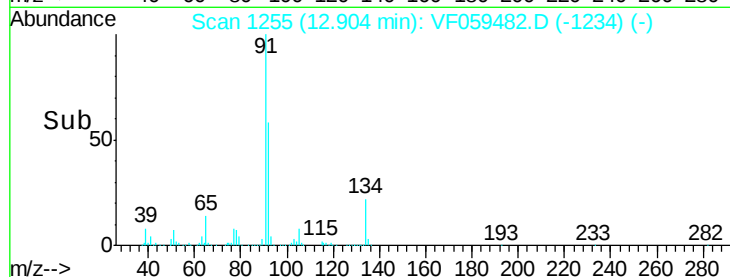
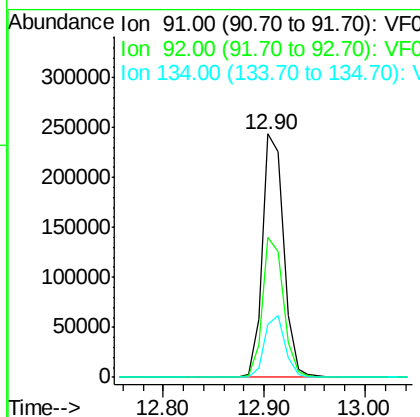
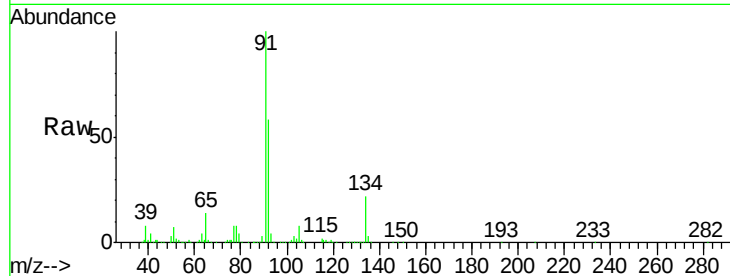
#89
n-Butylbenzene
Concen: 24.67 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VF059482.D
Acq: 10 Jul 2018 14:15

Instrument :
MSVOA_F
ClientSampleId :
VF0710SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.7	30.0	90.1
134	21.6	13.3	39.9

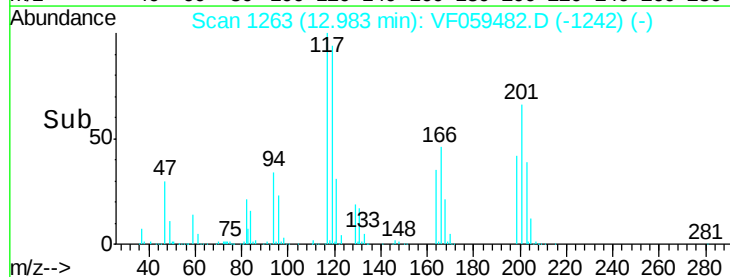
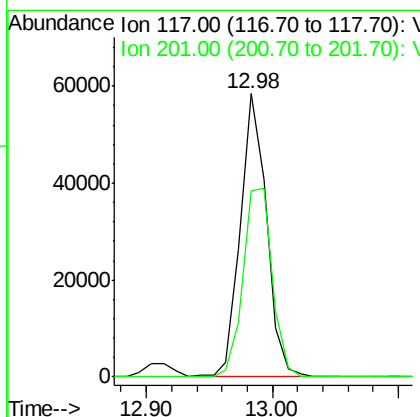
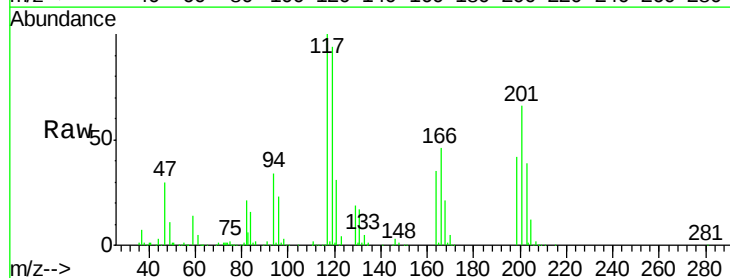
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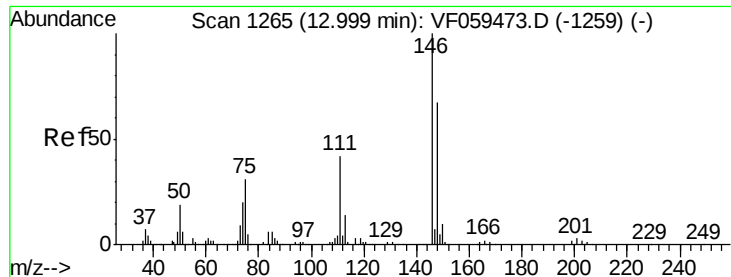
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#90
Hexachloroethane
Concen: 21.66 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VF059482.D
Acq: 10 Jul 2018 14:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.8	40.6	121.8





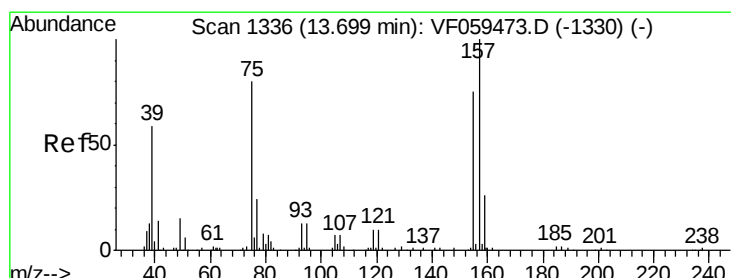
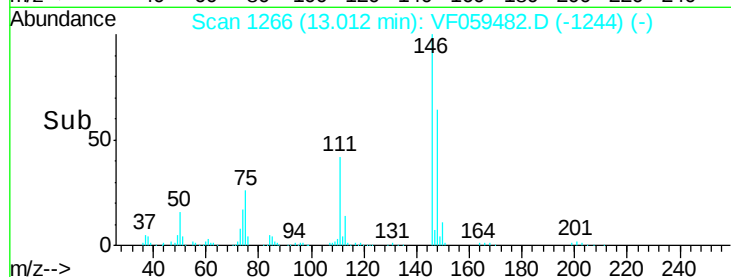
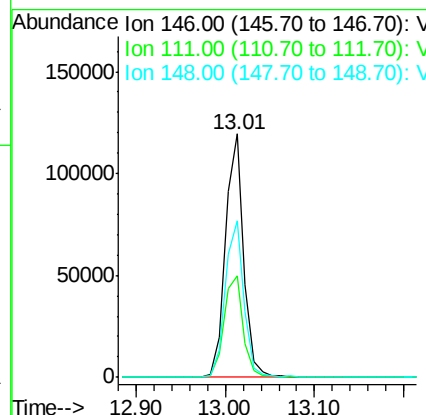
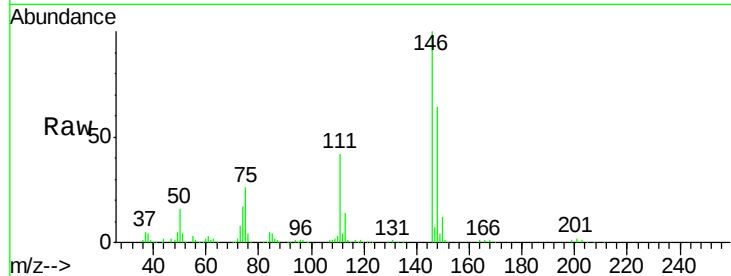
#91
 1,2-Dichlorobenzene
 Concen: 22.11 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. 0.01 min
 Lab File: VF059482.D
 Acq: 10 Jul 2018 14:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0710SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.2	63.6
148	64.1	33.3	99.9

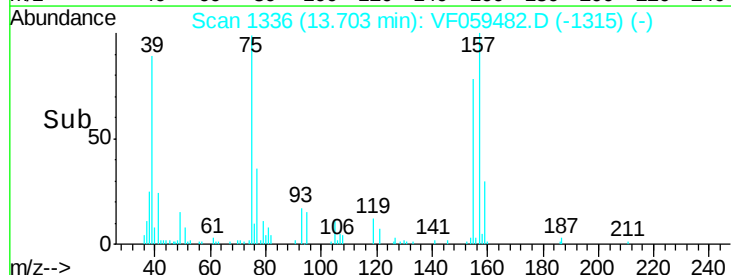
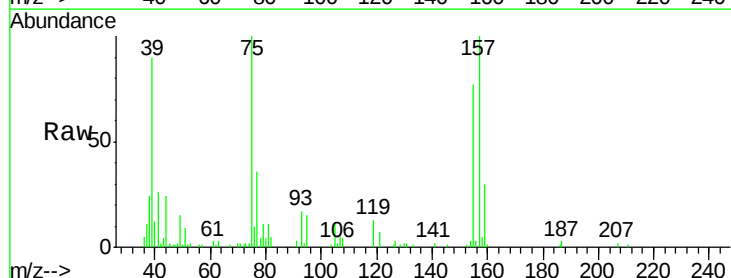
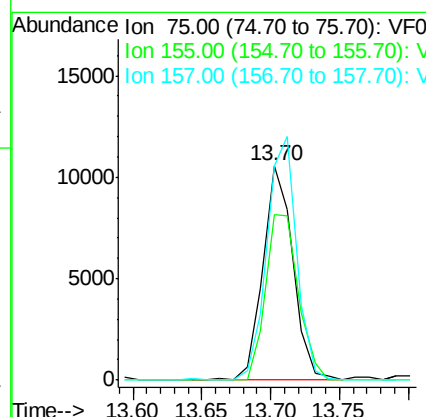
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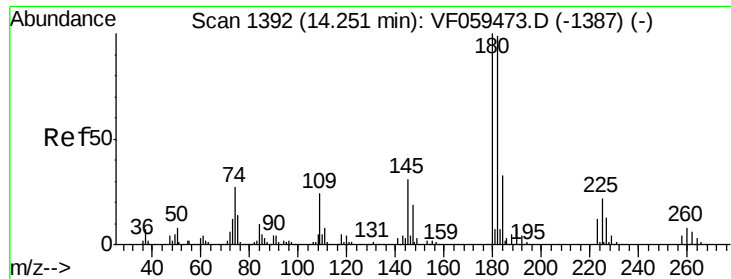
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.85 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VF059482.D
 Acq: 10 Jul 2018 14:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.4	47.3	141.8
157	99.7	62.6	187.8





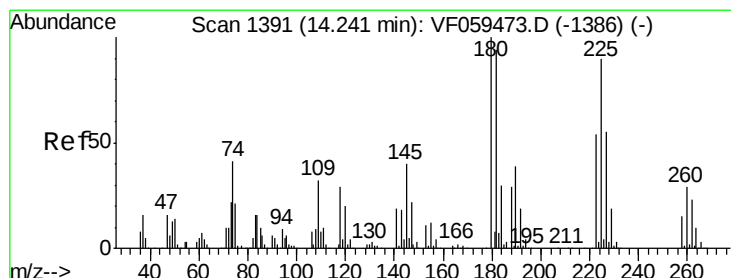
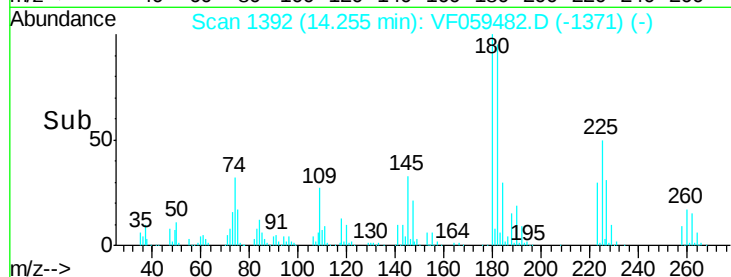
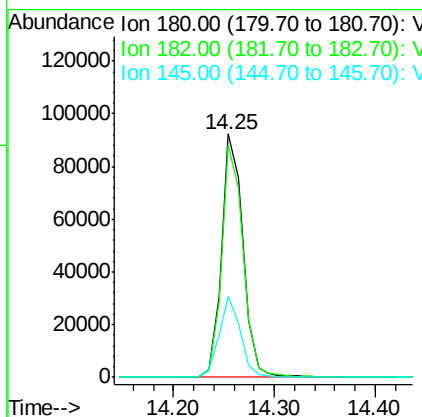
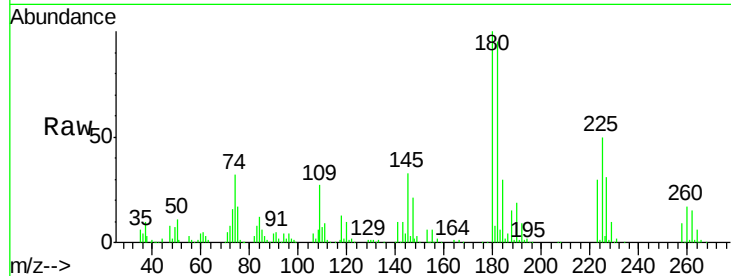
#93
 1,2,4-Trichlorobenzene
 Concen: 23.64 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059482.D
 Acq: 10 Jul 2018 14:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0710SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	136904		
182	95.4	49.5	148.7	
145	33.3	15.4	46.2	

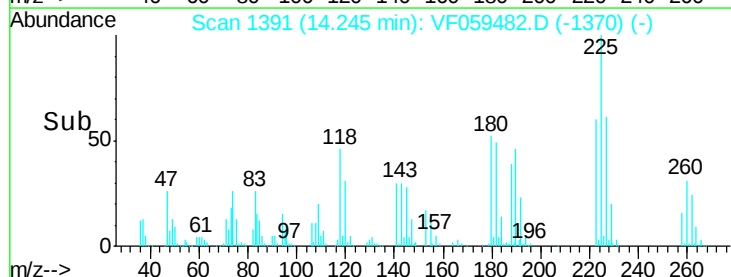
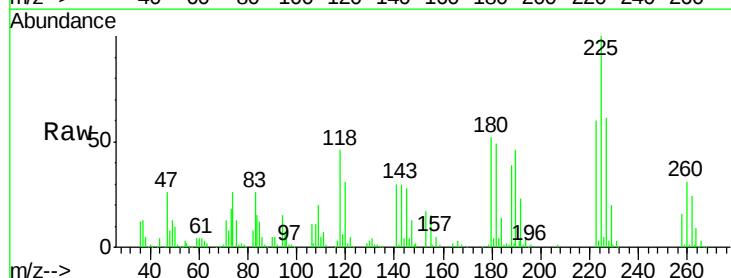
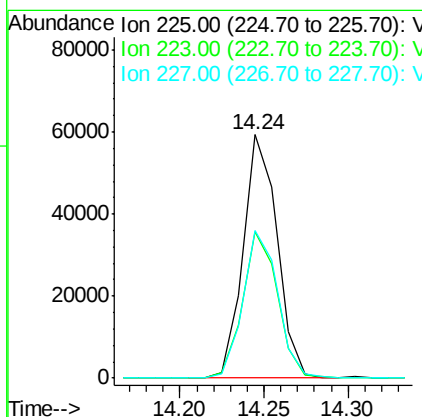
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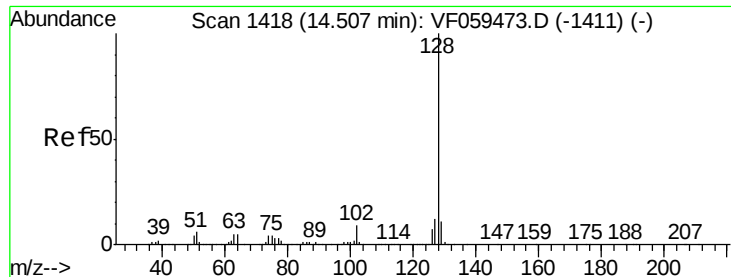
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#94
 Hexachlorobutadiene
 Concen: 23.58 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF059482.D
 Acq: 10 Jul 2018 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	82728		
223	59.9	30.1	90.5	
227	60.5	30.8	92.4	





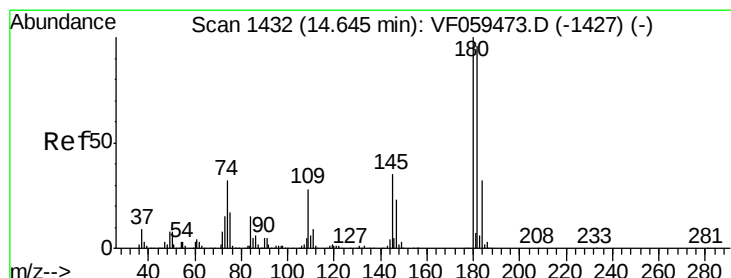
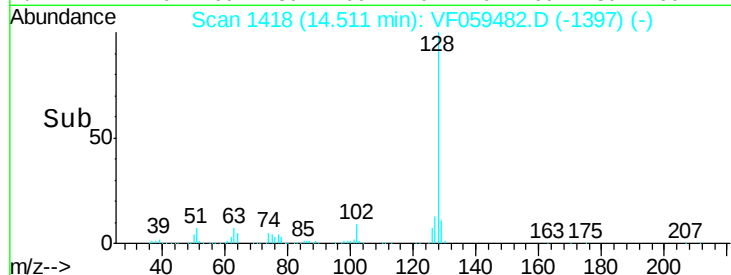
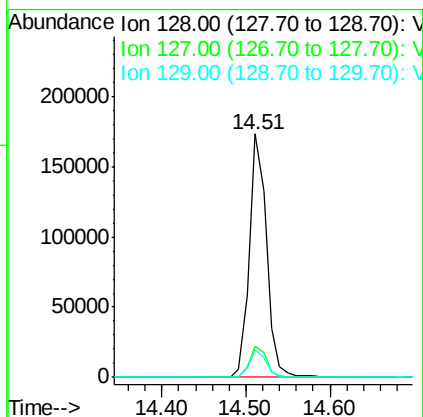
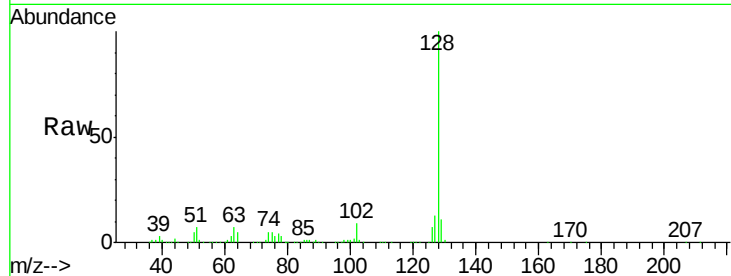
#95
Naphthalene
Concen: 21.67 ug/l
RT: 14.51 min Scan# 1418
Delta R.T. 0.00 min
Lab File: VF059482.D
Acq: 10 Jul 2018 14:15

Instrument :
MSVOA_F
ClientSampleId :
VF0710SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	249402		
127	12.7		9.9	14.9
129	11.1		9.0	13.6

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#96
1,2,3-Trichlorobenzene
Concen: 22.19 ug/l
RT: 14.66 min Scan# 1433
Delta R.T. 0.01 min
Lab File: VF059482.D
Acq: 10 Jul 2018 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	124681		
182	92.1		47.9	143.7
145	32.4		17.5	52.5

