

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011519\
 Data File : VF061406.D
 Acq On : 15 Jan 2019 14:59
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
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 1/16/2019 4:05:35 PM

Quant Time: Jan 16 03:52:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:16:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	190888	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	332153	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	299345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	164161	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	46402	19.93	ug/l	0.00
Spiked Amount 50.000			Recovery =	39.86%		
35) Dibromofluoromethane	4.10	113	52629	19.60	ug/l	0.00
Spiked Amount 50.000			Recovery =	39.20%		
50) Toluene-d8	7.54	98	141640	19.52	ug/l	0.00
Spiked Amount 50.000			Recovery =	39.04%		
62) 4-Bromofluorobenzene	11.41	95	65064	18.56	ug/l	0.00
Spiked Amount 50.000			Recovery =	37.12%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	69917	18.482	ug/l	89
3) Chloromethane	1.10	50	51240	17.867	ug/l	100
4) Vinyl Chloride	1.13	62	46567	18.434	ug/l	98
5) Bromomethane	1.32	94	29544	17.080	ug/l	82
6) Chloroethane	1.39	64	20081	17.596	ug/l	93
7) Trichlorofluoromethane	1.47	101	89327m	17.760	ug/l	
8) Diethyl Ether	1.62	74	11252	17.842	ug/l	75
9) 1,1,2-Trichlorotrifluoroet	1.83	101	43306	18.427	ug/l	93
10) Methyl Iodide	1.90	142	62114m	17.058	ug/l	
11) Tert butyl alcohol	2.57	59	10156	100.282	ug/l #	91
12) 1,1-Dichloroethene	1.79	96	31787	18.206	ug/l	97
13) Acrolein	2.00	56	5347	56.760	ug/l	86
14) Allyl chloride	2.10	41	56851	18.102	ug/l	99
15) Acrylonitrile	2.93	53	25784	97.667	ug/l	95
16) Acetone	2.23	43	48015	95.495	ug/l	97
17) Carbon Disulfide	1.80	76	94954	17.435	ug/l	96
18) Methyl Acetate	2.34	43	18429m	15.534	ug/l	
19) Methyl tert-butyl Ether	2.43	73	70203	18.041	ug/l	96
20) Methylene Chloride	2.18	84	32072m	16.219	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	36825	18.985	ug/l	95
22) Diisopropyl ether	2.80	45	116564	19.083	ug/l	98
23) Vinyl Acetate	3.18	43	237642	102.258	ug/l	99
24) 1,1-Dichloroethane	2.87	63	74907	19.258	ug/l	98
25) 2-Butanone	4.33	43	85574	106.854	ug/l	94
26) 2,2-Dichloropropane	3.60	77	46621	18.606	ug/l	99
27) cis-1,2-Dichloroethene	3.47	96	54734	19.533	ug/l	95
28) Bromochloromethane	3.71	49	35336	19.515	ug/l #	99
29) Tetrahydrofuran	4.07	42	34395	97.617	ug/l	99
30) Chloroform	3.85	83	103932	19.799	ug/l	97
31) Cyclohexane	3.67	56	73969	18.636	ug/l	88
32) 1,1,1-Trichloroethane	4.09	97	79400	19.891	ug/l	98
36) 1,1-Dichloropropene	4.28	75	78834	20.014	ug/l	97
37) Ethyl Acetate	4.11	43	32514	20.330	ug/l #	80
38) Carbon Tetrachloride	3.98	117	65114	15.259	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:16:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	85373	19.632	ug/l	98
40) Benzene	4.62	78	166024	18.587	ug/l	98
41) Methacrylonitrile	4.74	41	16347	19.405	ug/l #	90
42) 1,2-Dichloroethane	4.94	62	62577	20.213	ug/l	99
43) Isopropyl Acetate	6.95	43	38376	20.068	ug/l #	94
44) Trichloroethene	5.49	130	52374	19.086	ug/l	89
45) 1,2-Dichloropropane	6.23	63	46056	20.114	ug/l	95
46) Dibromomethane	6.07	93	28851	19.219	ug/l #	86
47) Bromodichloromethane	6.38	83	73496	20.009	ug/l	98
48) Methyl methacrylate	6.70	41	25340	19.627	ug/l	97
49) 1,4-Dioxane	6.69	88	4239	439.589	ug/l #	71
51) 4-Methyl-2-Pentanone	8.25	43	146721	97.968	ug/l	96
52) Toluene	7.62	92	115428	19.460	ug/l	98
53) t-1,3-Dichloropropene	8.27	75	59755	20.165	ug/l	99
54) cis-1,3-Dichloropropene	7.29	75	76034	20.400	ug/l	99
55) 1,1,2-Trichloroethane	8.48	97	34082	21.142	ug/l	98
56) Ethyl methacrylate	8.61	69	36237	19.615	ug/l	97
57) 1,3-Dichloropropane	8.84	76	59599	19.930	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.28	63	10470	83.773	ug/l	97
59) 2-Hexanone	9.48	43	106267	101.938	ug/l	93
60) Dibromochloromethane	8.71	129	48845	21.318	ug/l	92
61) 1,2-Dibromoethane	8.98	107	36218	19.636	ug/l	89
64) Tetrachloroethene	8.14	164	45166	19.807	ug/l	98
65) Chlorobenzene	9.79	112	128062	20.187	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.92	131	51356	20.681	ug/l	97
67) Ethyl Benzene	9.89	91	235724	20.069	ug/l	99
68) m/p-Xylenes	10.13	106	162950	38.454	ug/l	95
69) o-Xylene	10.71	106	89248	19.718	ug/l	100
70) Styrene	10.78	104	131412	20.918	ug/l	98
71) Bromoform	10.76	173	18103	16.916	ug/l #	95
73) Isopropylbenzene	11.12	105	284115	19.816	ug/l	97
74) N-amyl acetate	11.37	43	69719	21.172	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.68	83	50492	20.249	ug/l	91
76) 1,2,3-Trichloropropane	11.78	75	34843	19.439	ug/l	99
77) Bromobenzene	11.49	156	57014	19.482	ug/l	86
78) n-propylbenzene	11.59	91	335005	19.180	ug/l	98
79) 2-Chlorotoluene	11.71	91	186635	18.802	ug/l	93
80) 1,3,5-Trimethylbenzene	11.82	105	227478	19.876	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.86	75	14719m	15.564	ug/l	
82) 4-Chlorotoluene	11.89	91	189504	19.275	ug/l	99
83) tert-Butylbenzene	12.13	119	246082	20.678	ug/l	94
84) 1,2,4-Trimethylbenzene	12.20	105	229665	19.399	ug/l	95
85) sec-Butylbenzene	12.30	105	317670	19.627	ug/l	97
86) p-Isopropyltoluene	12.45	119	263912	19.586	ug/l	97
87) 1,3-Dichlorobenzene	12.46	146	113675	18.895	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	107161	19.444	ug/l	96
89) n-Butylbenzene	12.84	91	283169	20.333	ug/l	98
90) Hexachloroethane	12.91	117	61401	20.644	ug/l	89
91) 1,2-Dichlorobenzene	12.94	146	110528	19.715	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	9049	21.408	ug/l	95

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Instrument :
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ClientSampleId :
VSTDICC020

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Quant Title : SW846 8260
QLast Update : Wed Jan 16 03:16:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	79887	20.418	ug/l	95
94) Hexachlorobutadiene	14.18	225	48466	20.457	ug/l	95
95) Naphthalene	14.45	128	146480	21.033	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	74132	21.094	ug/l	98

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

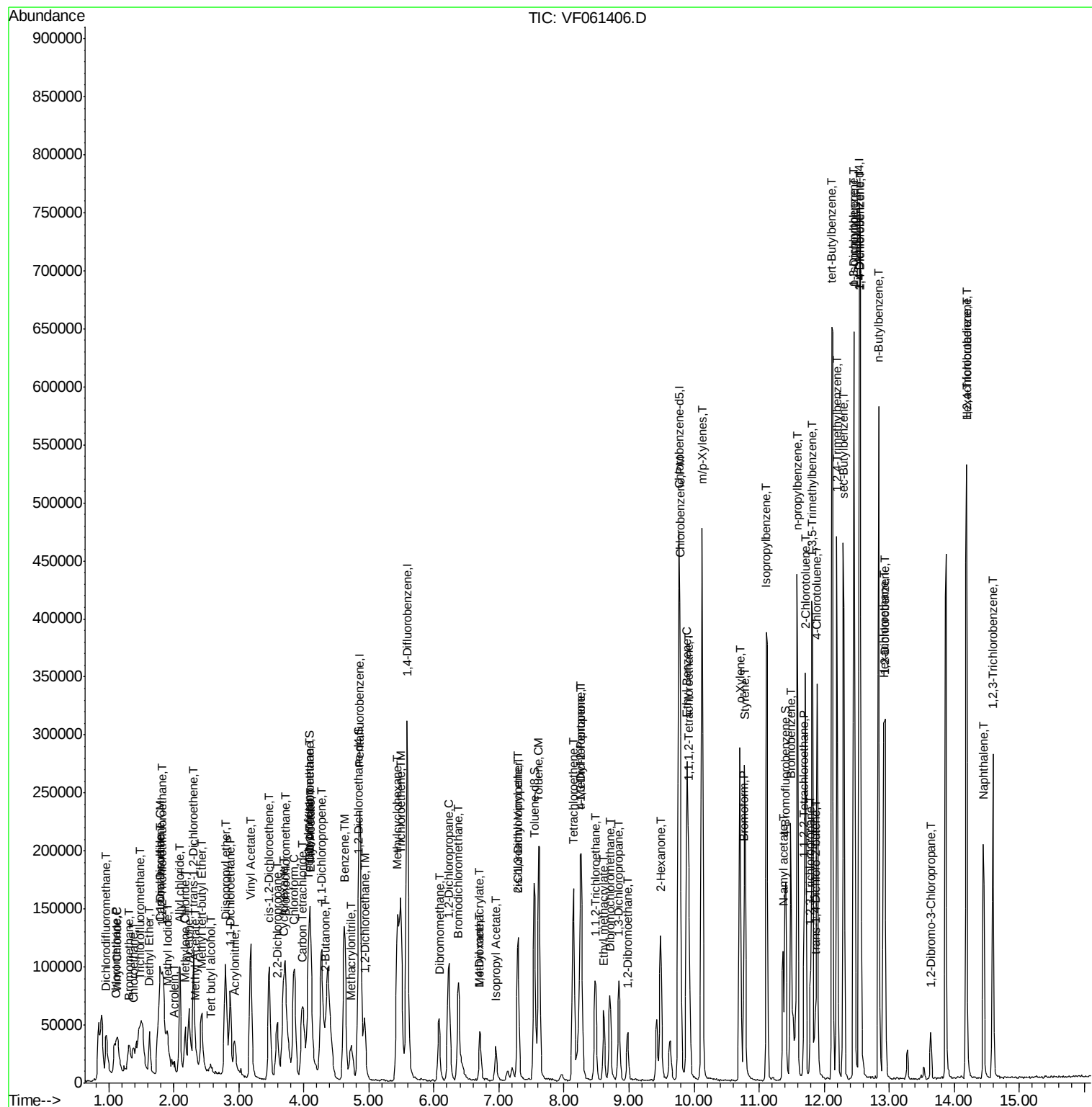
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 Data File : VF061406.D
 Acq On : 15 Jan 2019 14:59
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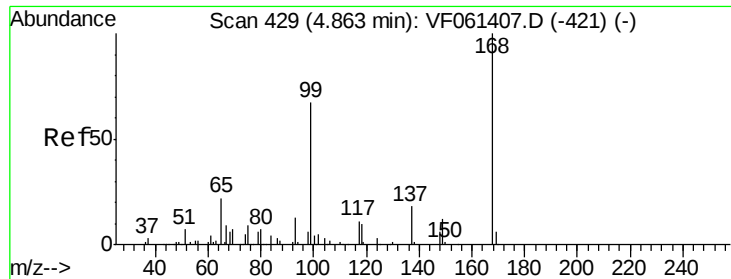
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC020

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 190888

Ion Ratio Lower Upper

168 100

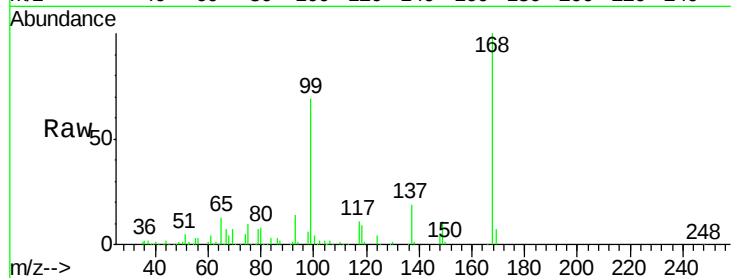
99 69.4 53.5 80.3

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

4.86

60000

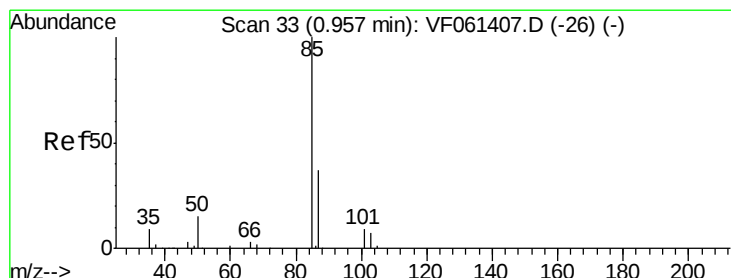
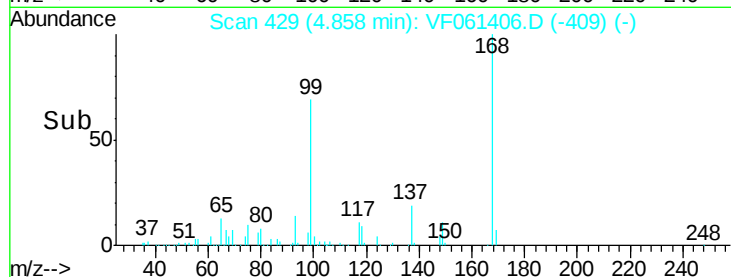
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 18.482 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF061406.D

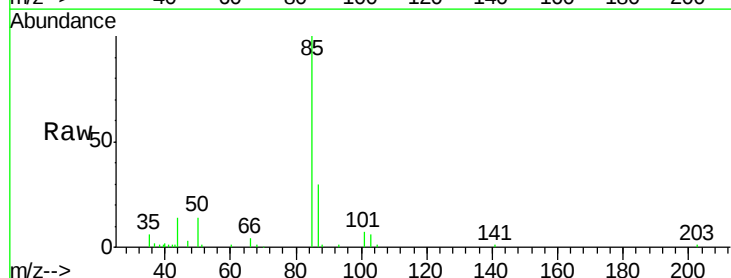
Acq: 15 Jan 2019 14:59

Tgt Ion: 85 Resp: 69917

Ion Ratio Lower Upper

85 100

87 30.0 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

25000

20000

15000

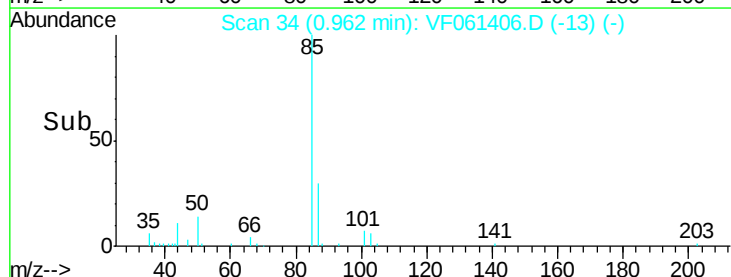
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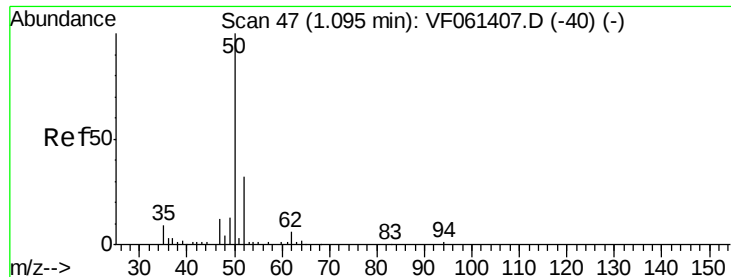
5000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 17.867 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampled :

VSTDIC020

Tot Ion: 50 Resp: 51240

Ion Ratio Lower Upper

50 100

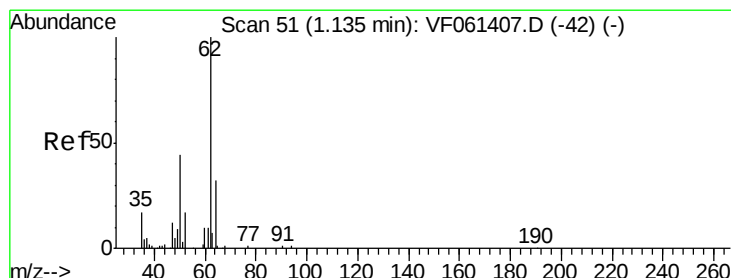
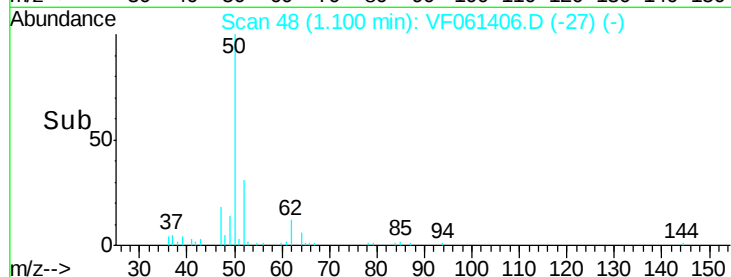
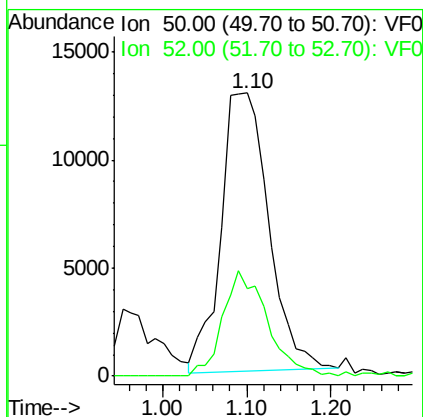
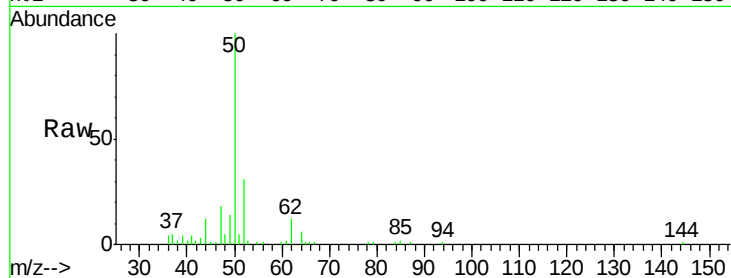
52 30.9 24.6 36.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.434 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF061406.D

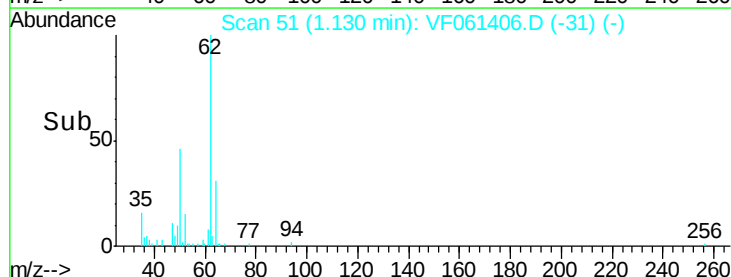
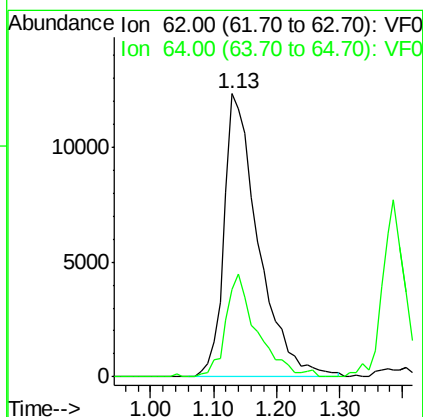
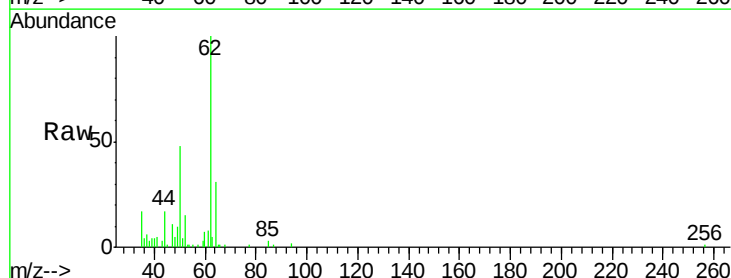
Acq: 15 Jan 2019 14:59

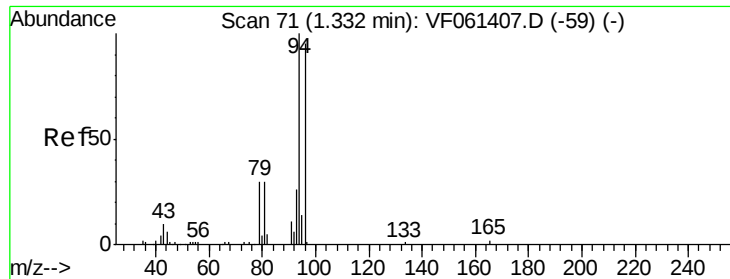
Tgt Ion: 62 Resp: 46567

Ion Ratio Lower Upper

62 100

64 30.7 25.6 38.4





#5

Bromomethane

Concen: 17.080 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 29544

Ion Ratio Lower Upper

94 100

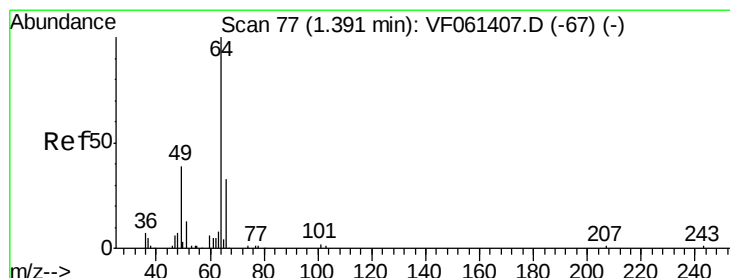
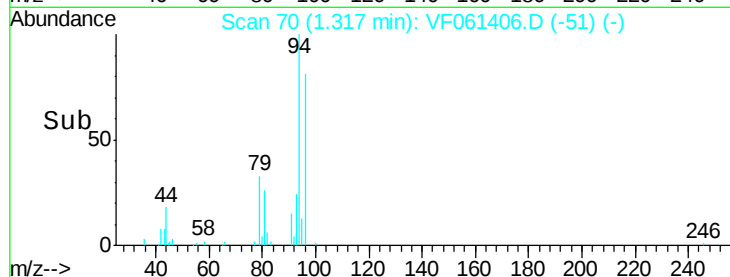
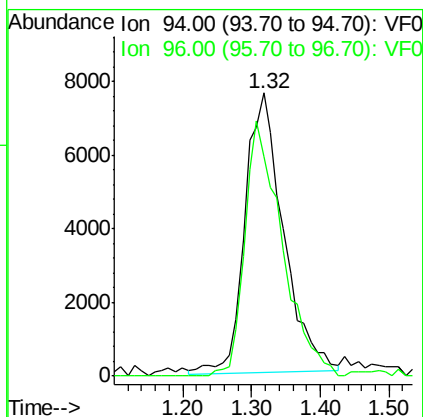
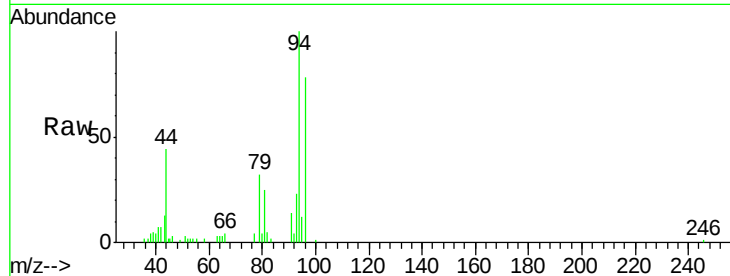
96 77.7 76.0 114.0

Manual Integrations

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#6

Chloroethane

Concen: 17.596 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.01 min

Lab File: VF061406.D

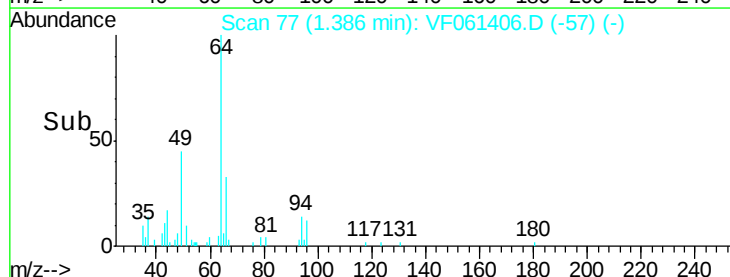
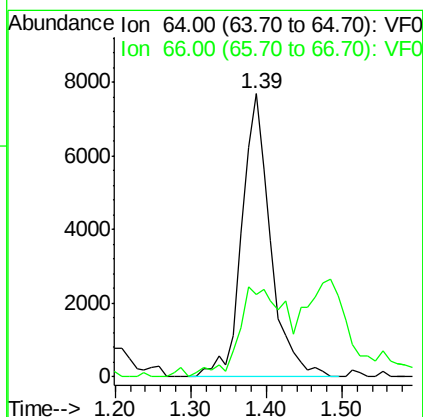
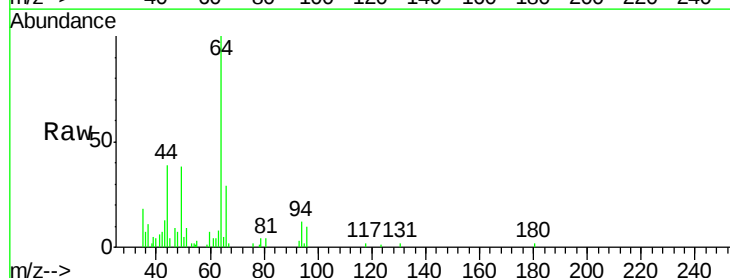
Acq: 15 Jan 2019 14:59

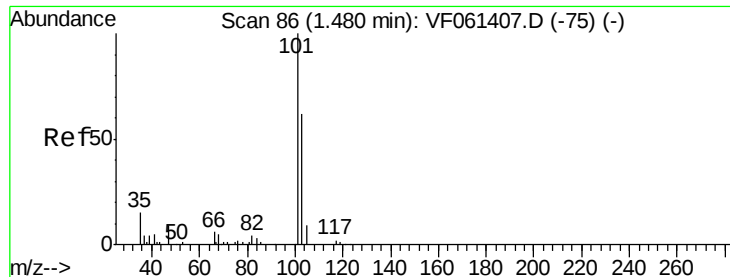
Tgt Ion: 64 Resp: 20081

Ion Ratio Lower Upper

64 100

66 29.3 26.6 40.0





#7

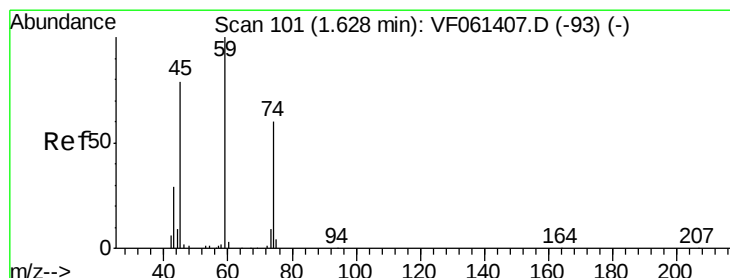
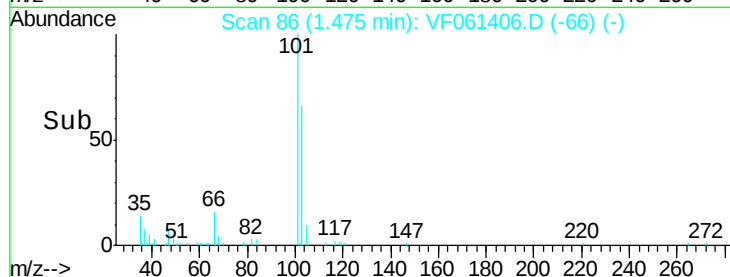
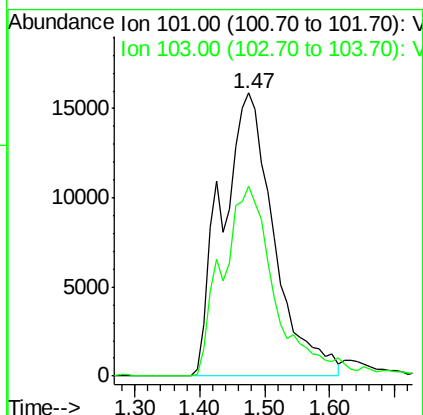
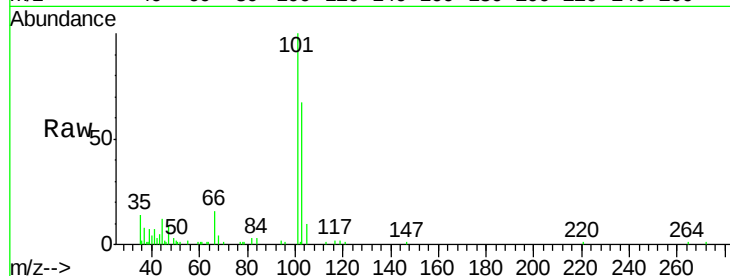
Trichlorofluoromethane
Concen: 17.760 ug/l
RT: 1.47 min Scan# 86
Delta R.T. -0.01 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.2	49.7	74.5

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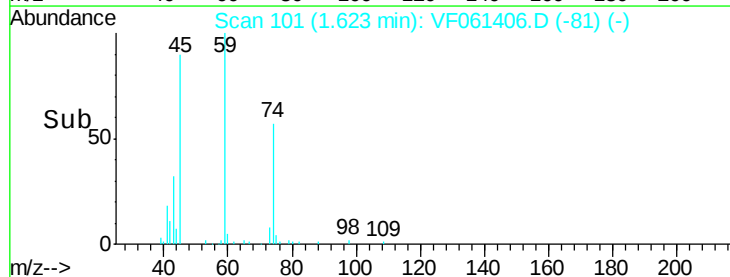
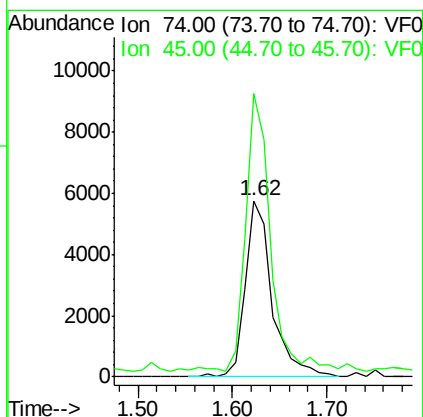
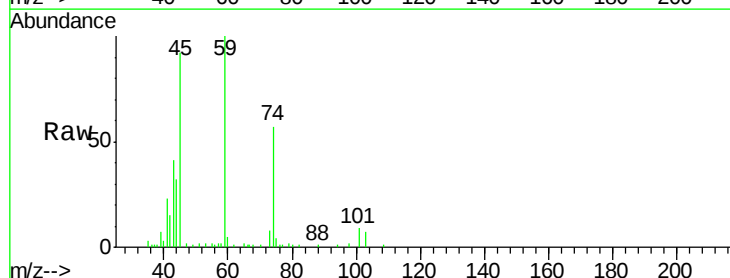
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#8

Diethyl Ether
Concen: 17.842 ug/l
RT: 1.62 min Scan# 101
Delta R.T. -0.01 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	160.7	65.8	197.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.427 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

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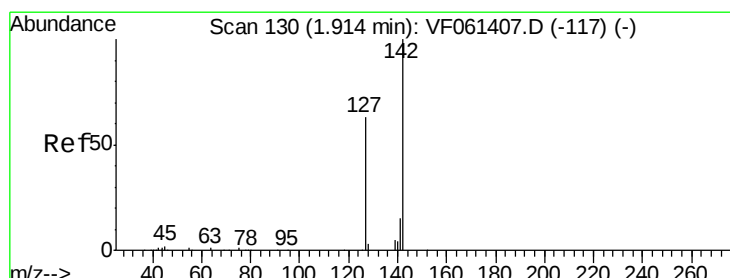
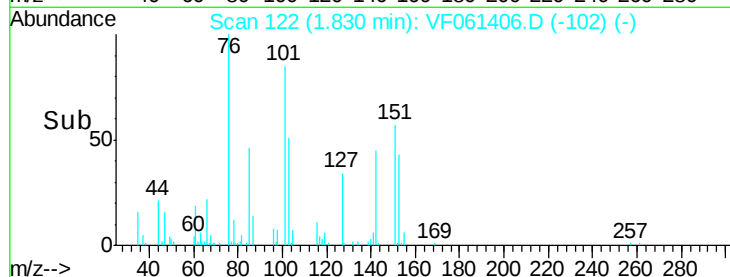
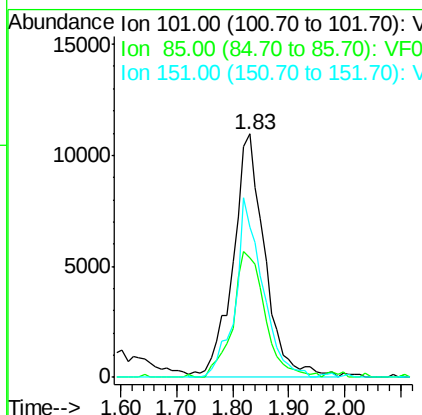
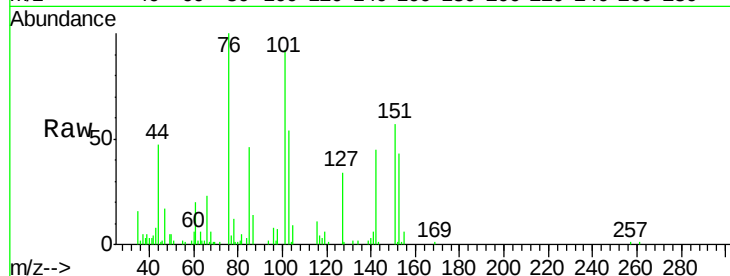
ClientSampled :

VSTDIC020

Tot Ion:	101	Resp:	43306
Ion Ratio	Lower	Upper	
101	100		
85	49.3	41.9	62.9
151	61.7	55.1	82.7

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#10

Methyl Iodide

Concen: 17.058 ug/l m

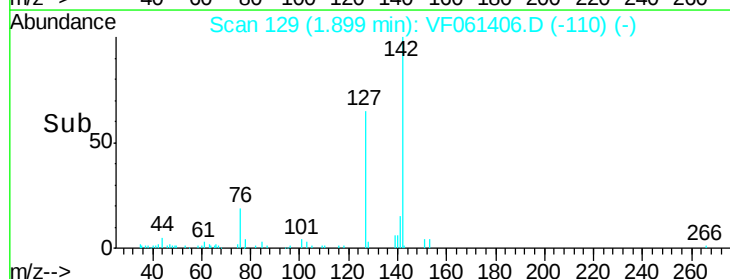
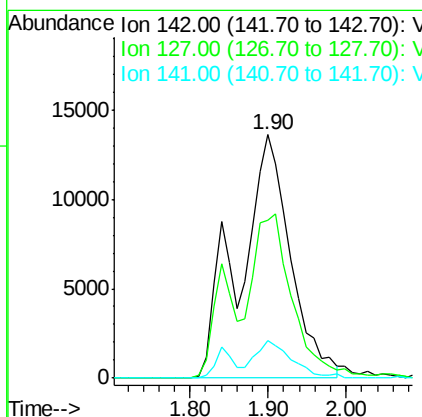
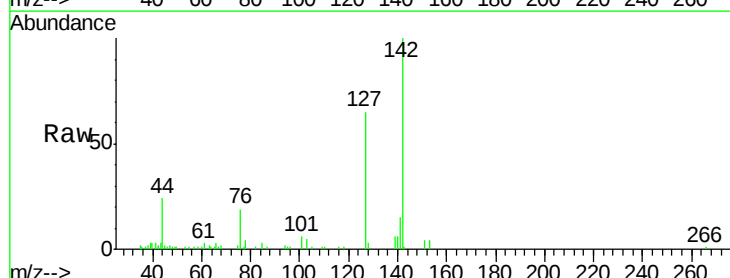
RT: 1.90 min Scan# 129

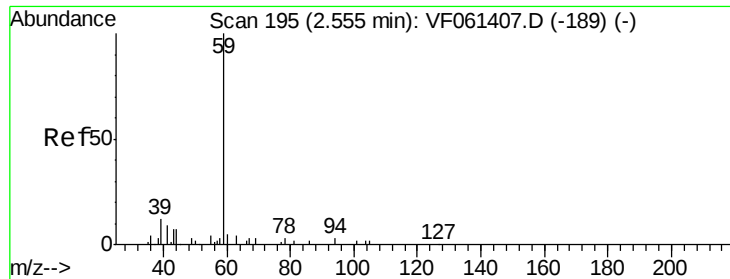
Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Tgt Ion:	142	Resp:	62114
Ion Ratio	Lower	Upper	
142	100		
127	65.0	50.7	76.1
141	15.3	11.8	17.6





#11

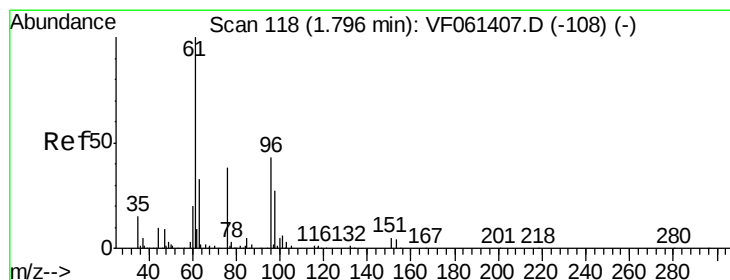
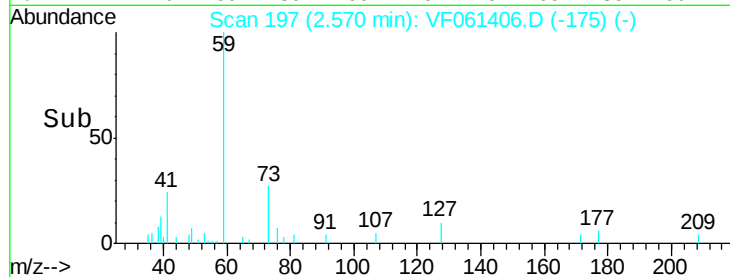
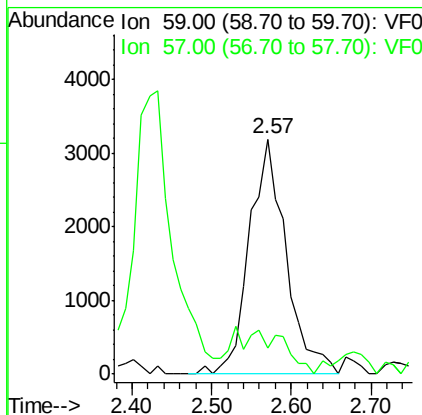
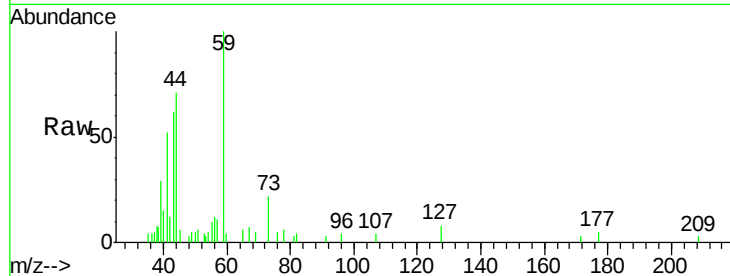
Tert butyl alcohol
 Concen: 100.282 ug/l
 RT: 2.57 min Scan# 197
 Delta R.T. 0.01 min
 Lab File: VF061406.D
 Acq: 15 Jan 2019 14:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	11.9	17.9#

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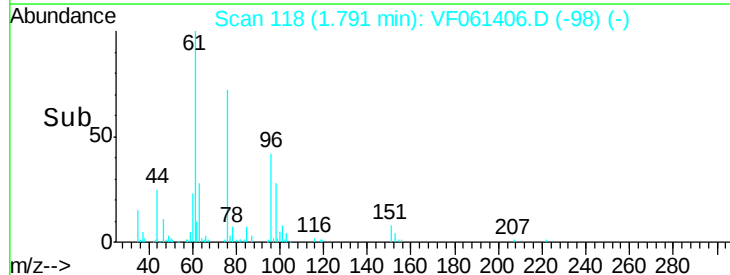
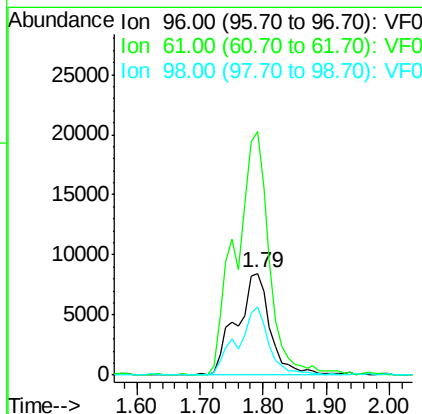
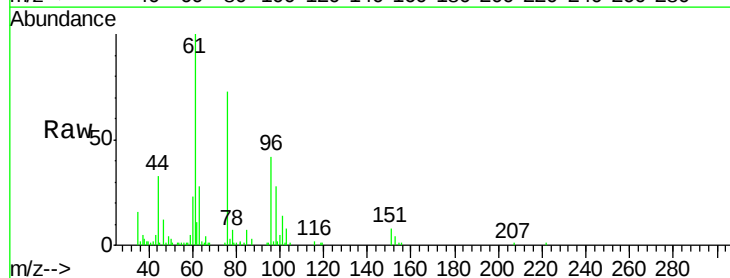
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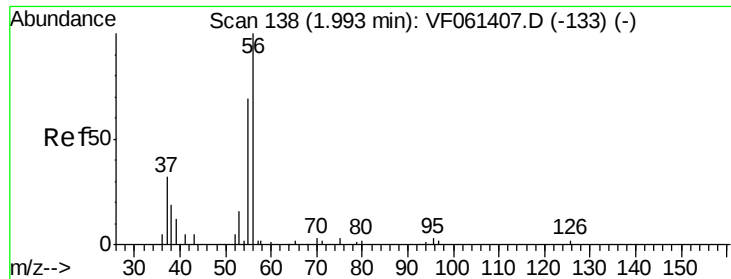


#12

1,1-Dichloroethene
 Concen: 18.206 ug/l
 RT: 1.79 min Scan# 118
 Delta R.T. -0.01 min
 Lab File: VF061406.D
 Acq: 15 Jan 2019 14:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	239.3	186.9	280.3
98	67.6	53.0	79.4





#13

Acrolein

Concen: 56.760 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 5347

Ion Ratio Lower Upper

56 100

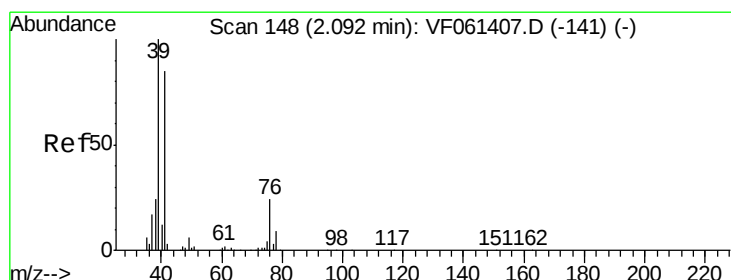
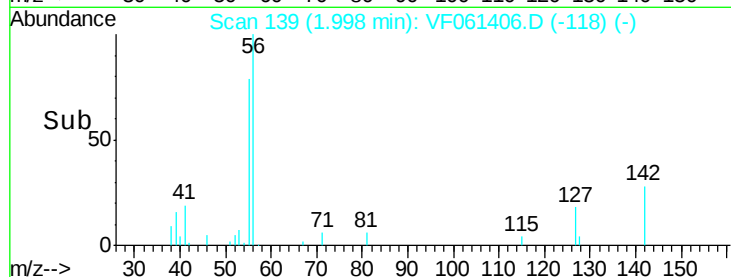
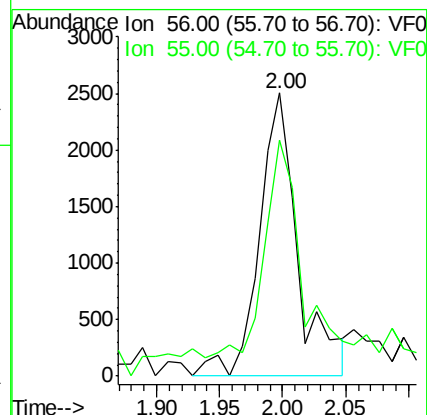
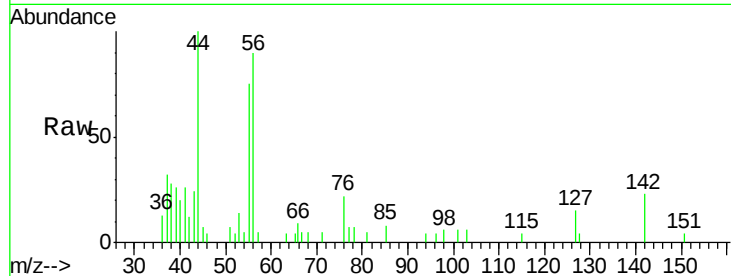
55 83.4 57.5 86.3

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#14

Allyl chloride

Concen: 18.102 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

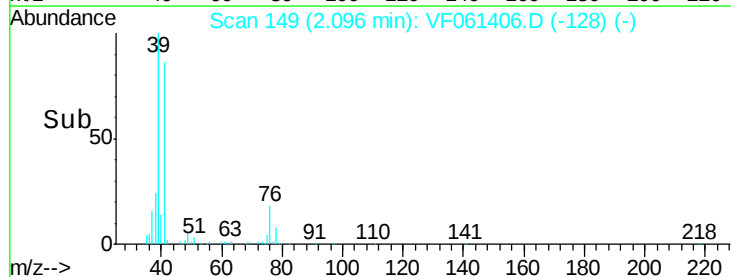
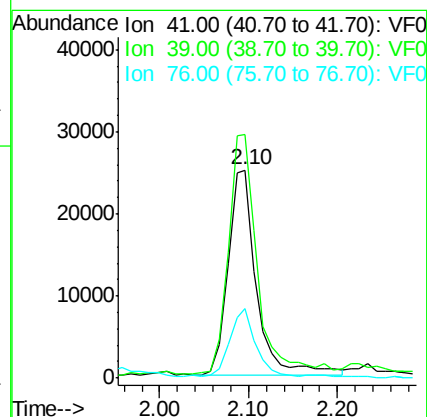
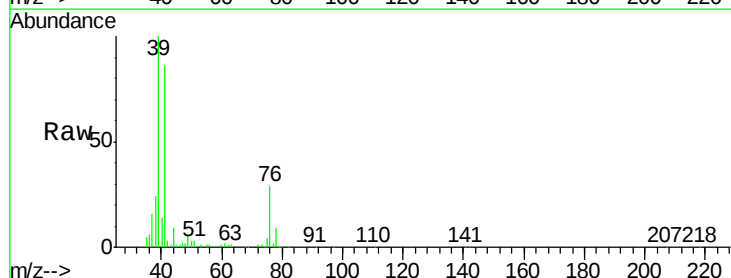
Tgt Ion: 41 Resp: 56851

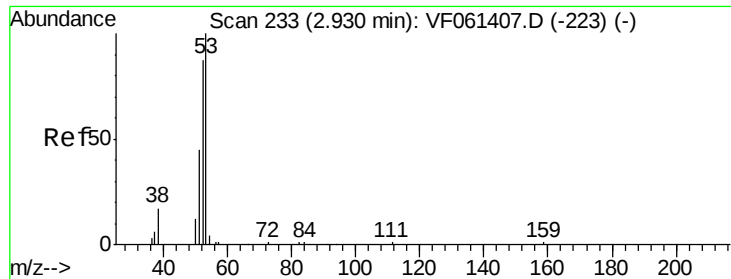
Ion Ratio Lower Upper

41 100

39 116.9 94.6 141.8

76 33.4 25.9 38.9





#15

Acrylonitrile

Concen: 97.667 ug/l

RT: 2.93 min Scan# 234

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

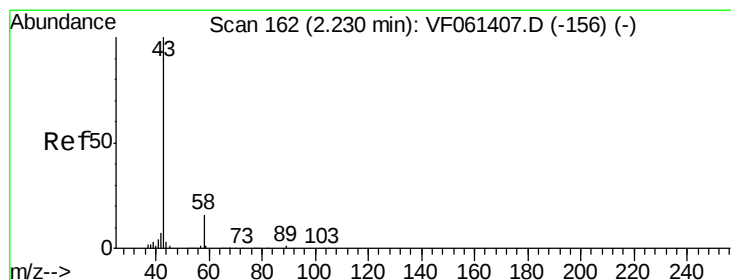
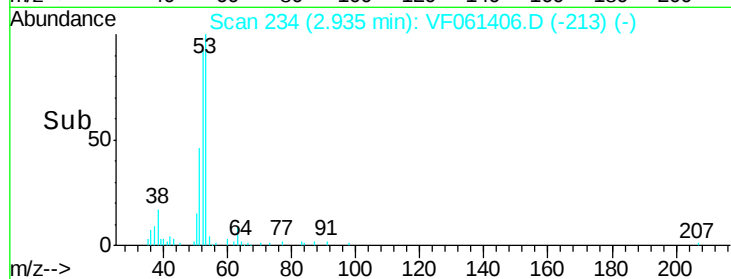
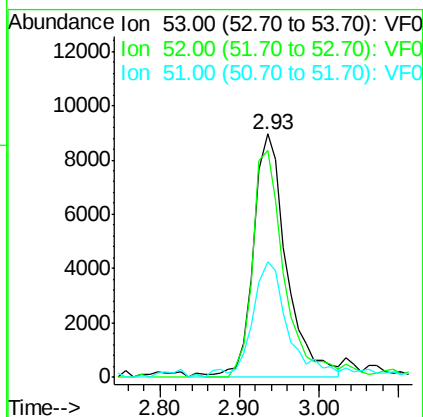
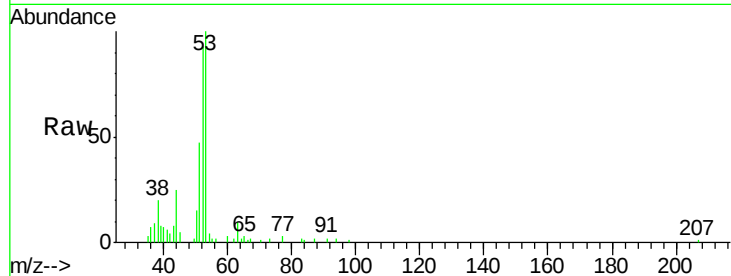
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	25784
Ion	Ratio	Lower	Upper
53	100		
52	93.2	69.6	104.4
51	47.4	36.8	55.2

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#16

Acetone

Concen: 95.495 ug/l

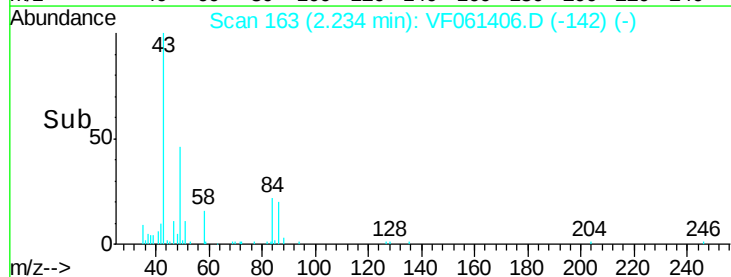
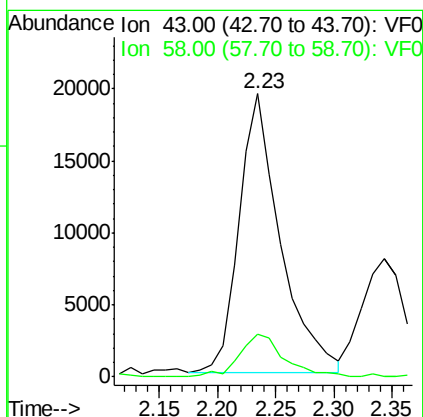
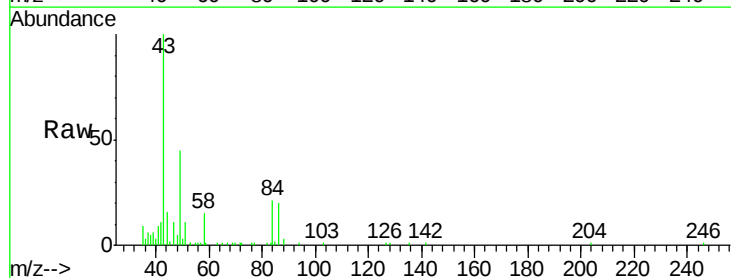
RT: 2.23 min Scan# 163

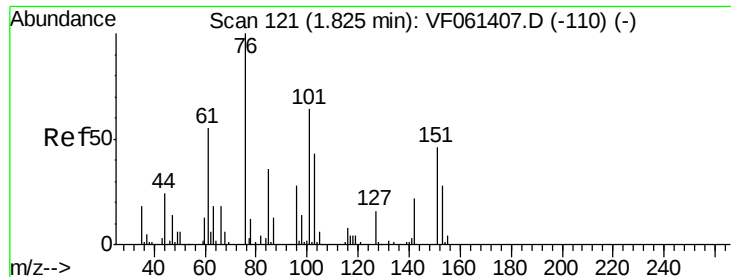
Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Tgt Ion:	43	Resp:	48015
Ion	Ratio	Lower	Upper
43	100		
58	15.2	13.3	19.9





#17

Carbon Disulfide

Concen: 17.435 ug/l

RT: 1.80 min Scan# 119

Delta R.T. -0.02 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 94954

Ion Ratio Lower Upper

76 100

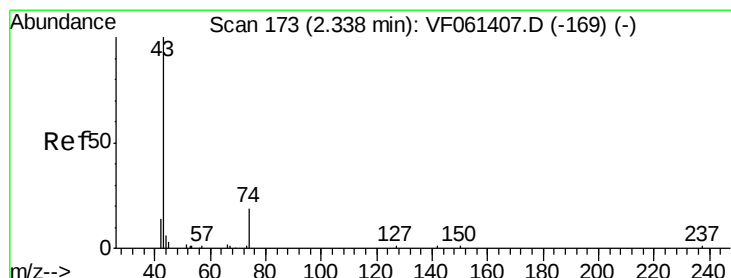
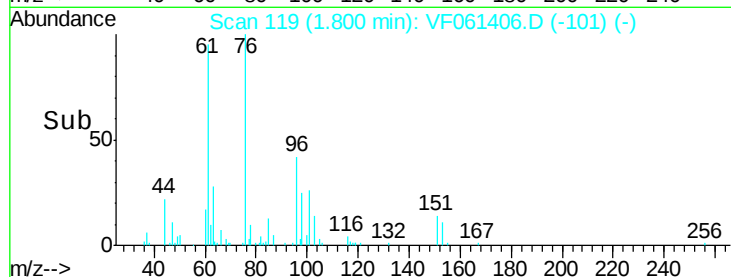
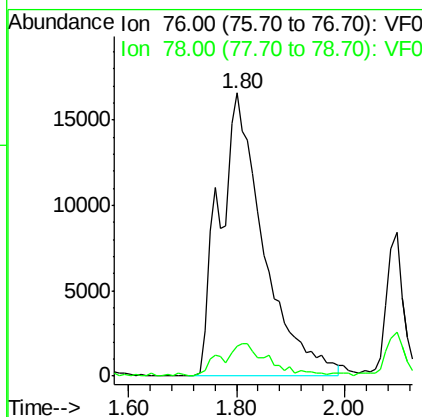
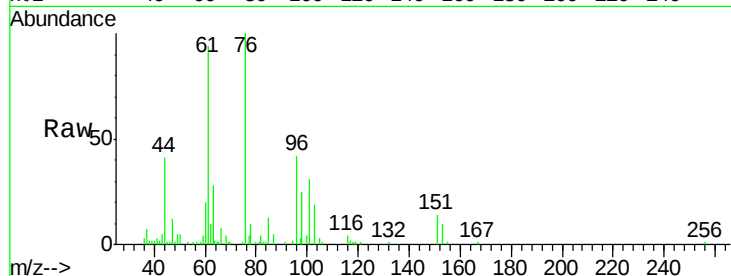
78 10.4 9.6 14.4

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#18

Methyl Acetate

Concen: 15.534 ug/l m

RT: 2.34 min Scan# 174

Delta R.T. 0.00 min

Lab File: VF061406.D

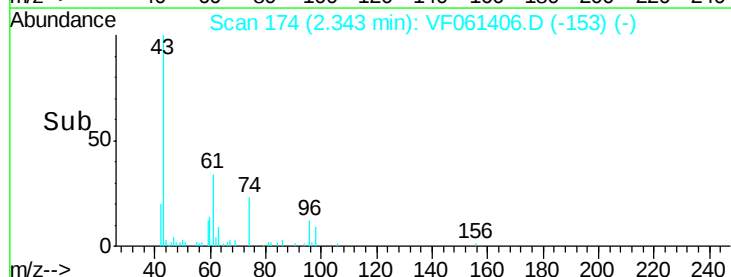
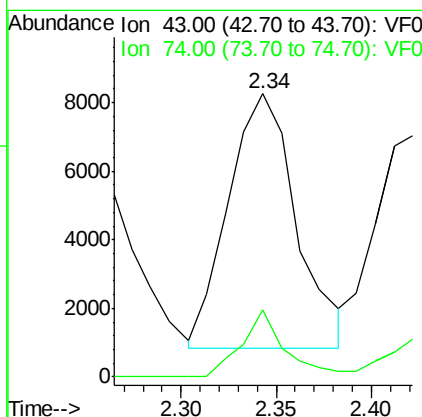
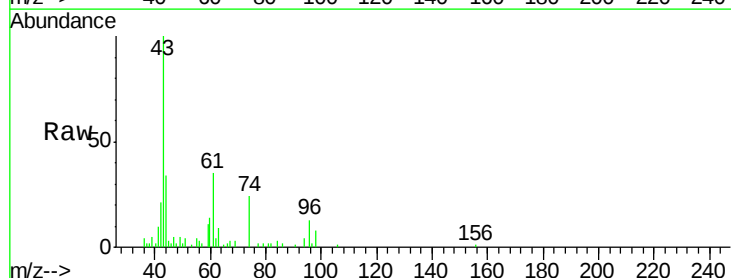
Acq: 15 Jan 2019 14:59

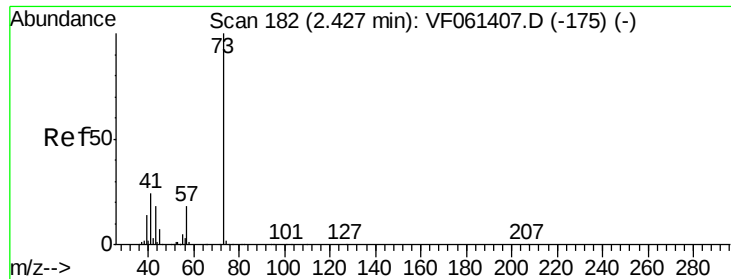
Tgt Ion: 43 Resp: 18429

Ion Ratio Lower Upper

43 100

74 23.7 13.4 20.0#





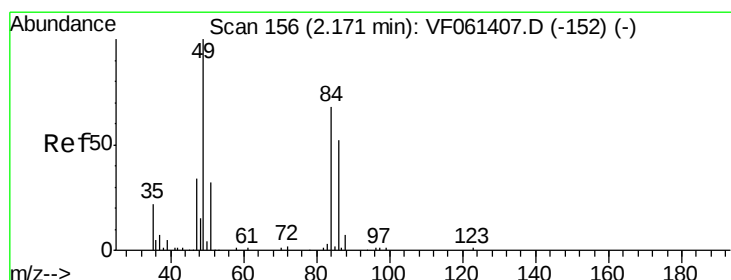
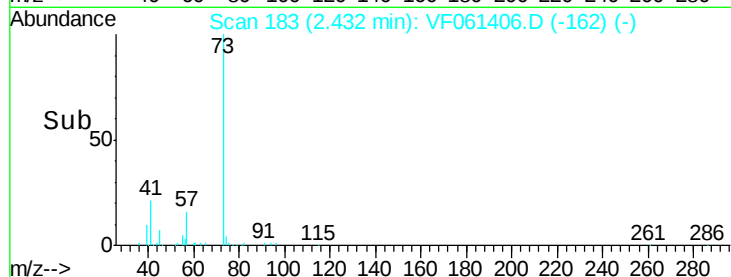
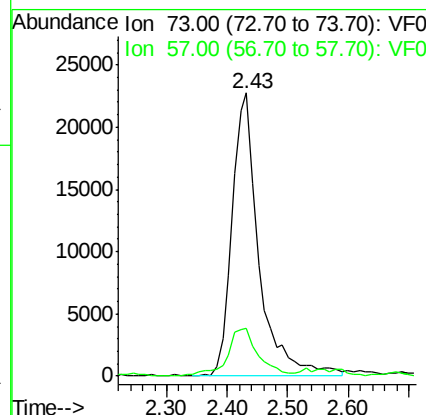
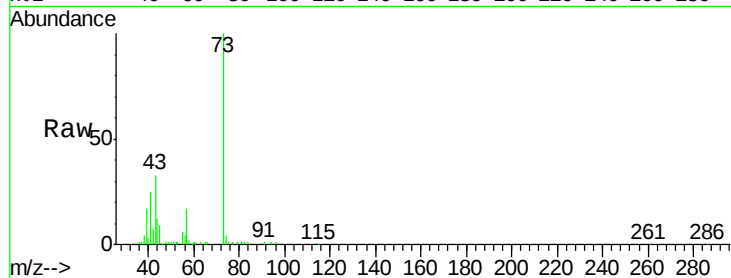
#19
Methyl tert-butyl Ether
Concen: 18.041 ug/l
RT: 2.43 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.9	14.8	22.2

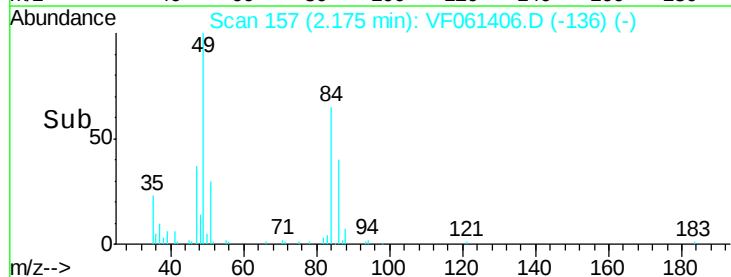
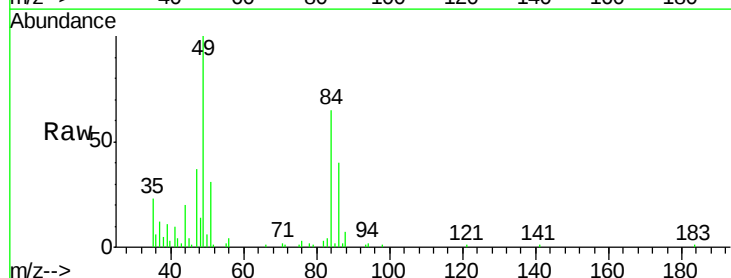
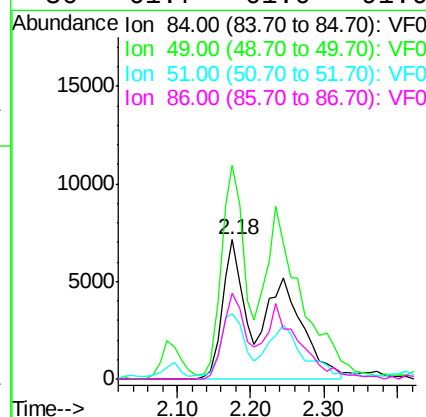
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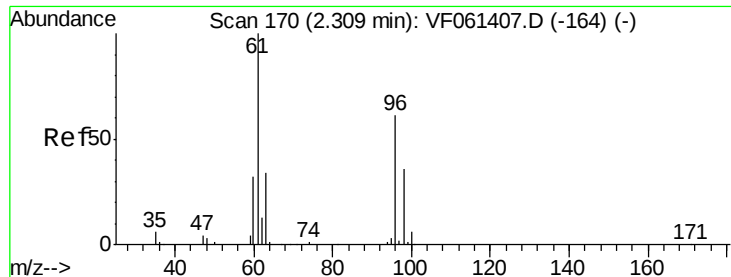
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#20
Methylene Chloride
Concen: 16.219 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. 0.00 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	153.5	120.0	180.0
51	47.1	38.6	58.0
86	61.7	61.0	91.6





#21

trans-1,2-Dichloroethene

Concen: 18.985 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

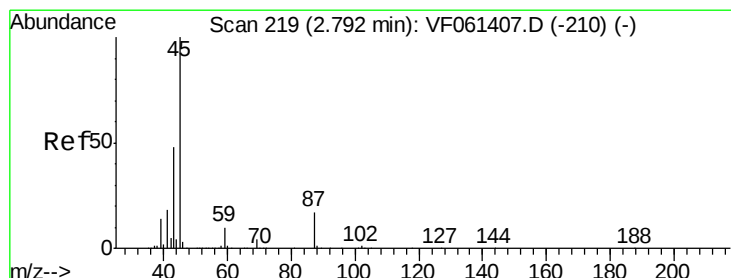
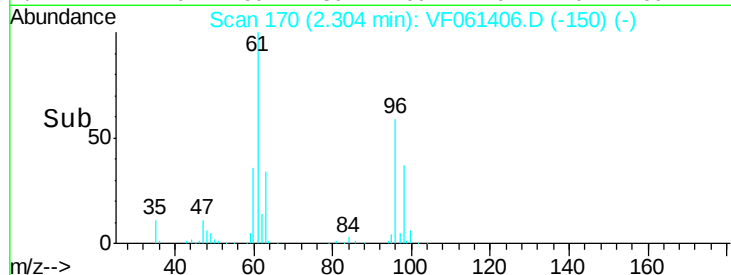
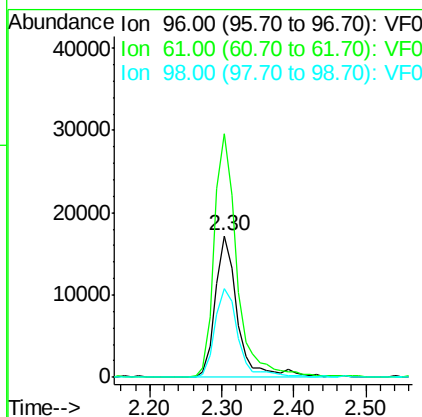
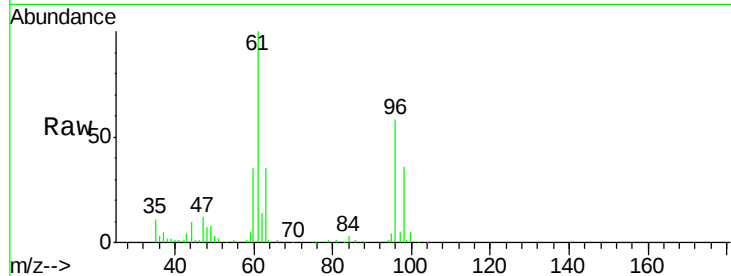
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	36825
Ion	Ratio	Lower	Upper
96	100		
61	172.1	131.8	197.8
98	62.8	47.4	71.0

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#22

Diisopropyl ether

Concen: 19.083 ug/l

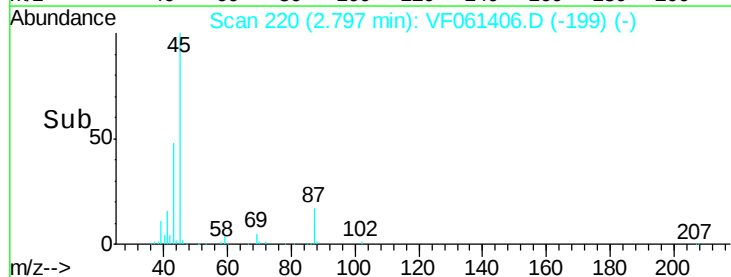
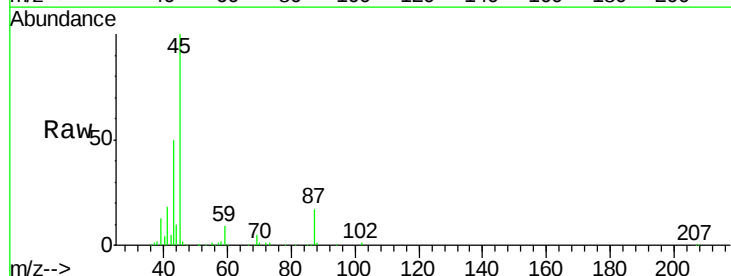
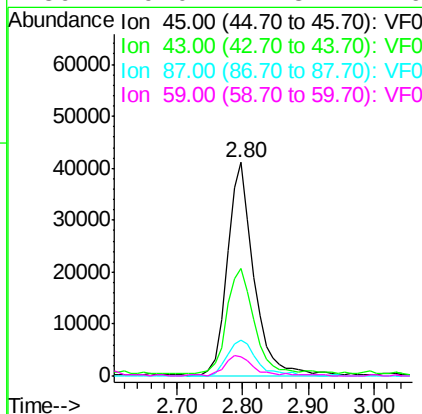
RT: 2.80 min Scan# 220

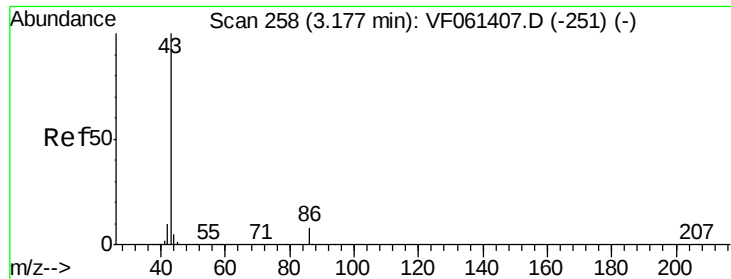
Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Tgt Ion:	45	Resp:	116564
Ion	Ratio	Lower	Upper
45	100		
43	50.4	39.0	58.6
87	17.1	13.9	20.9
59	9.0	7.8	11.6





#23

Vinyl Acetate

Concen: 102.258 ug/l

RT: 3.18 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 237642

Ion Ratio Lower Upper

43 100

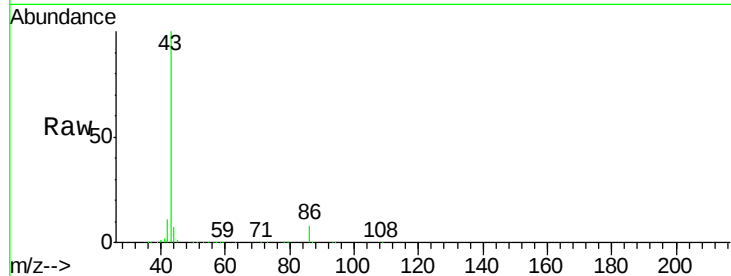
86 7.5 6.2 9.4

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.18

100000

80000

60000

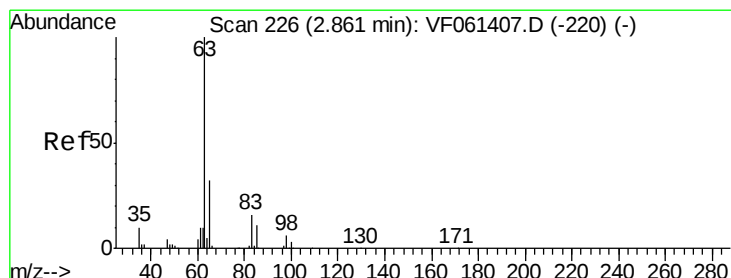
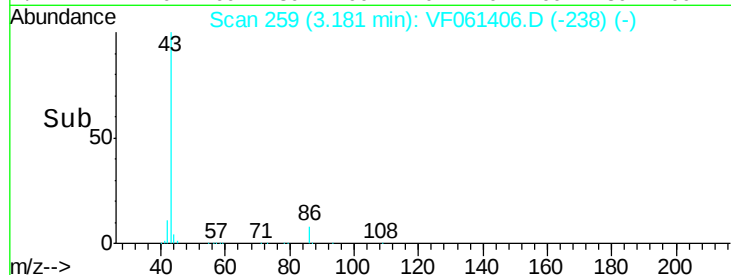
40000

20000

0

3.10 3.20 3.30

Time-->



#24

1,1-Dichloroethane

Concen: 19.258 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

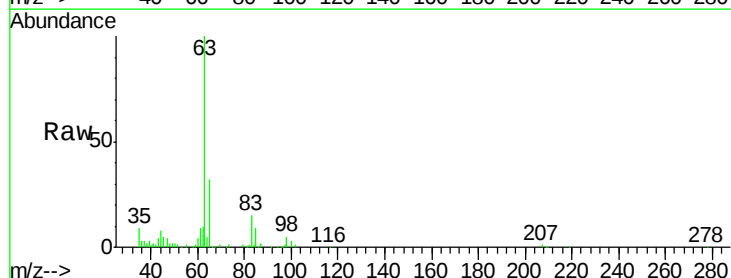
Tgt Ion: 63 Resp: 74907

Ion Ratio Lower Upper

63 100

98 5.0 2.9 8.8

100 3.2 1.6 4.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.87

40000

30000

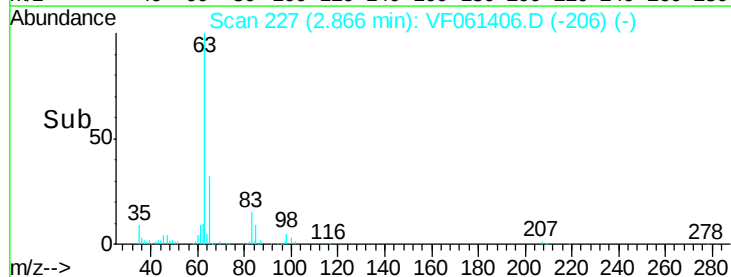
20000

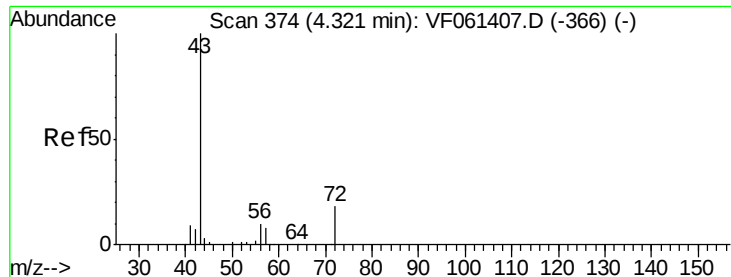
10000

0

2.80 2.90 3.00

Time-->





#25

2-Butanone

Concen: 106.854 ug/l

RT: 4.33 min Scan# 375

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 85574

Ion Ratio Lower Upper

43 100

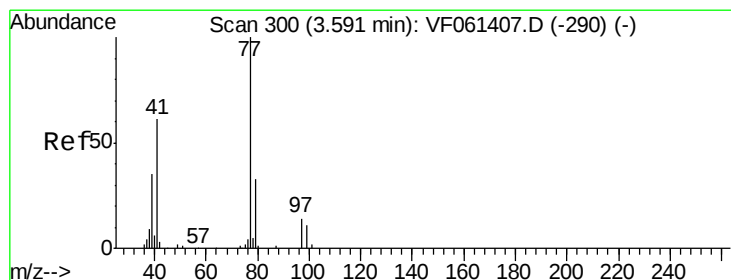
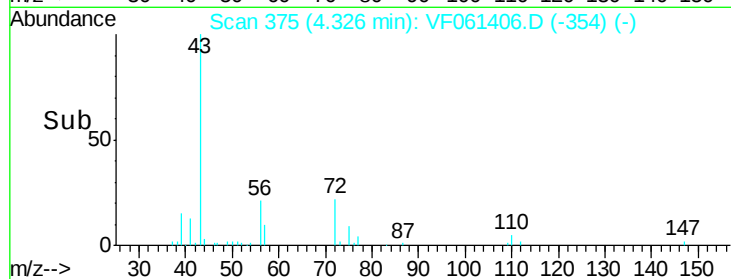
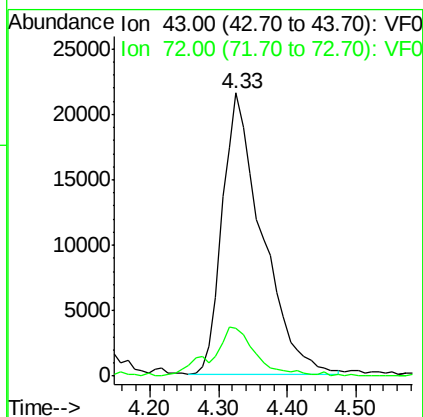
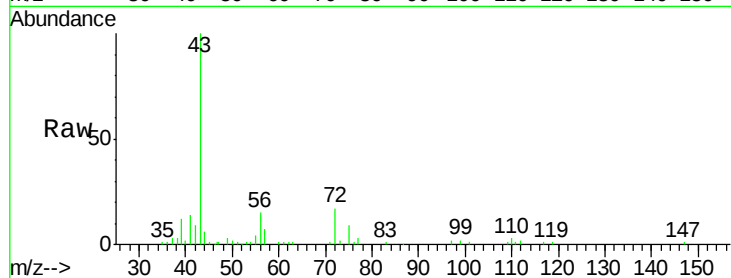
72 16.8 15.8 23.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.606 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.00 min

Lab File: VF061406.D

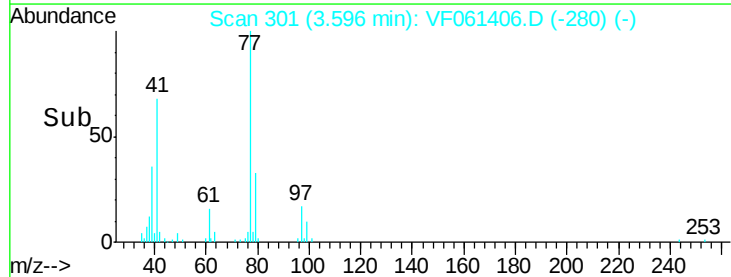
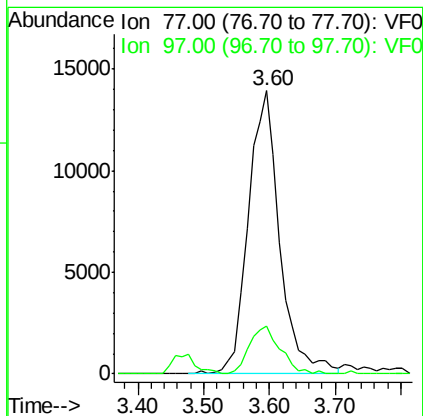
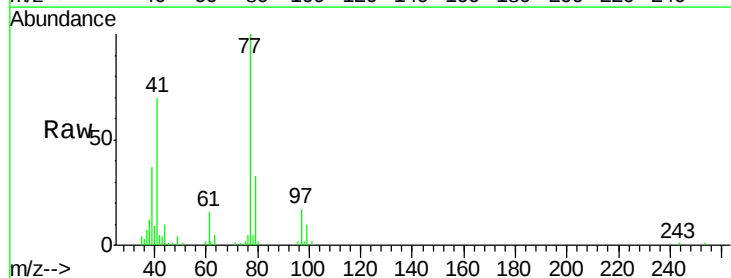
Acq: 15 Jan 2019 14:59

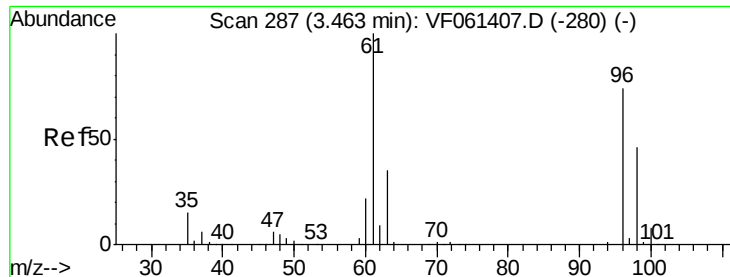
Tgt Ion: 77 Resp: 46621

Ion Ratio Lower Upper

77 100

97 16.7 8.5 25.5





#27

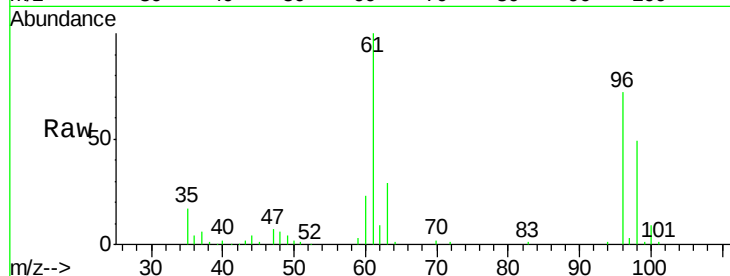
cis-1,2-Dichloroethene
Concen: 19.533 ug/l
RT: 3.47 min Scan# 288
Delta R.T. 0.00 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

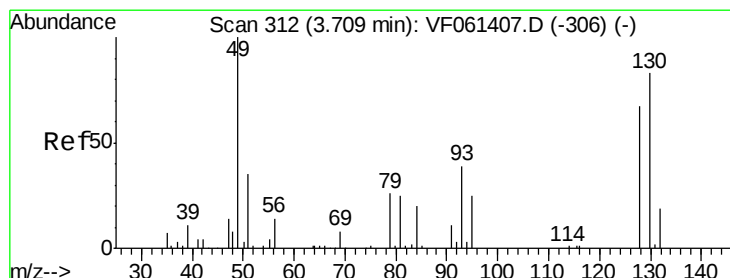
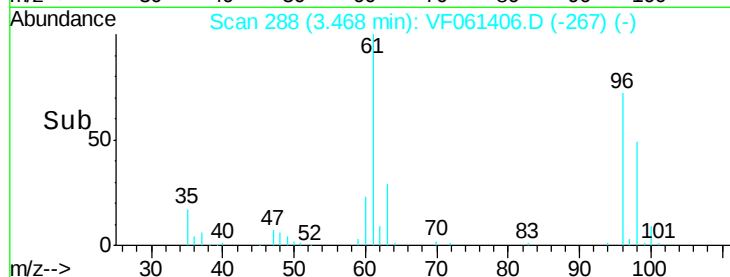
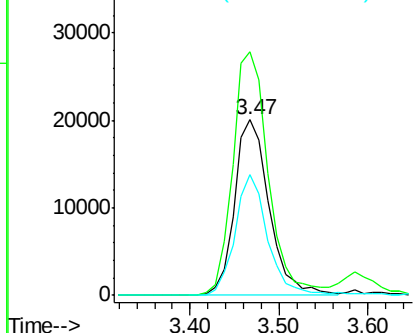
Tot Ion	Ratio	Lower	Upper
96	100		
61	138.6	0.0	270.2
98	68.6	0.0	124.0

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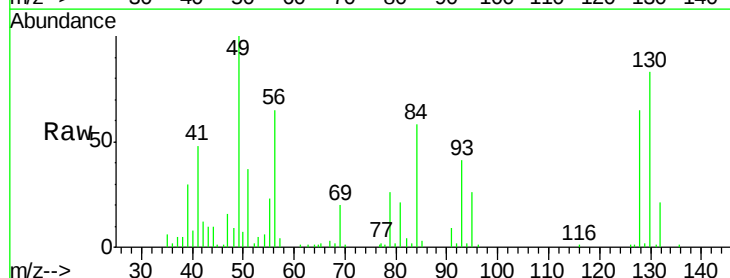
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



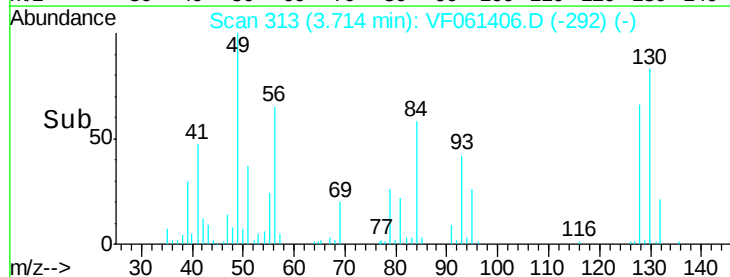
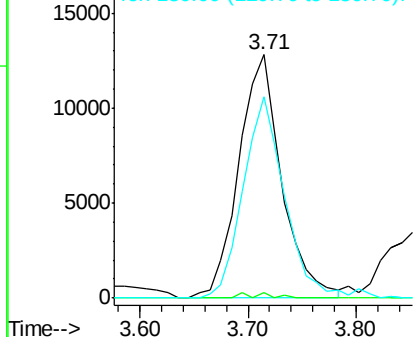
#28

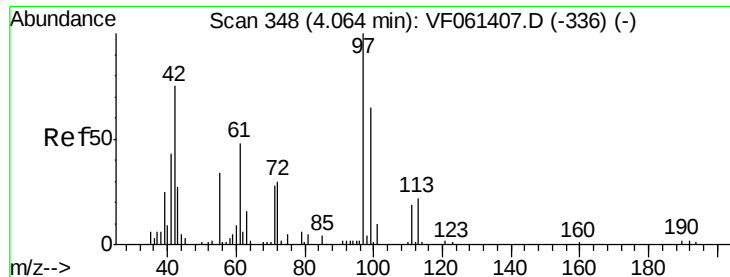
Bromochloromethane
Concen: 19.515 ug/l
RT: 3.71 min Scan# 313
Delta R.T. 0.00 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	0.0#
130	82.6	65.4	98.2



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 97.617 ug/l

RT: 4.07 min Scan# 349

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

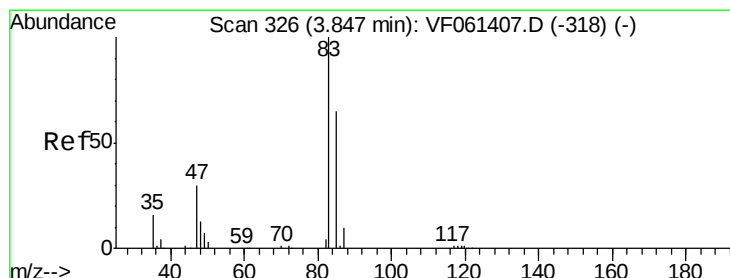
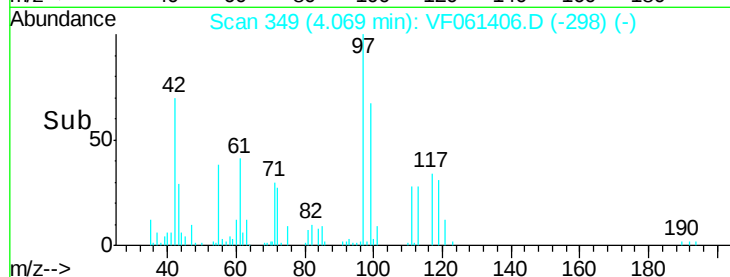
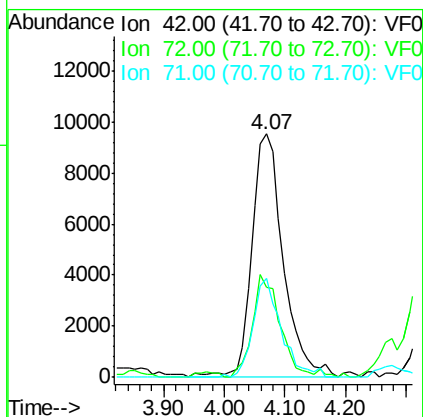
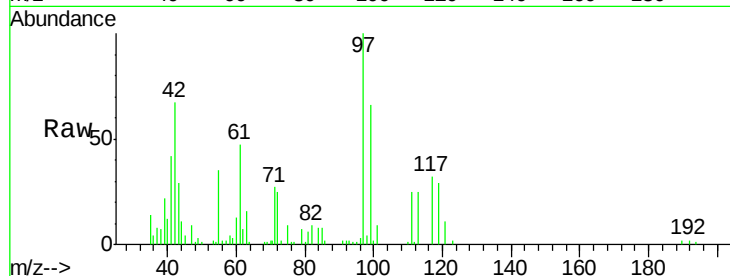
ClientSampleId :

VSTDIC020

Tot Ion:	42	Resp:	34395
Ion	Ratio	Lower	Upper
42	100		
72	36.9	28.9	43.3
71	36.6	29.6	44.4

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#30

Chloroform

Concen: 19.799 ug/l

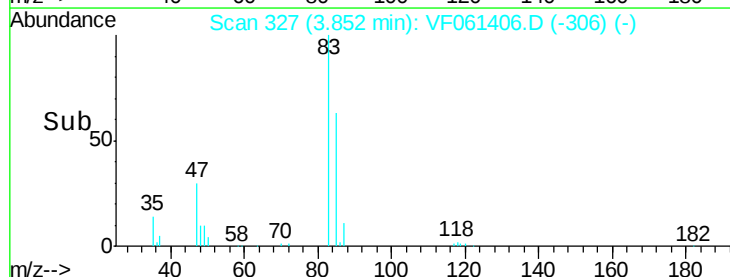
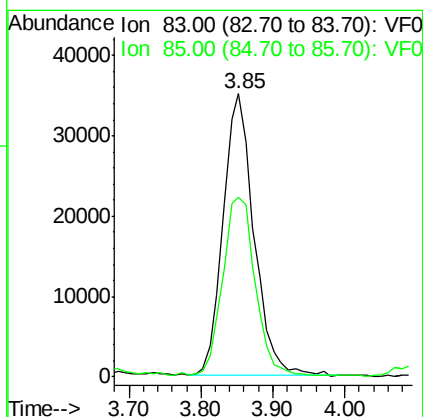
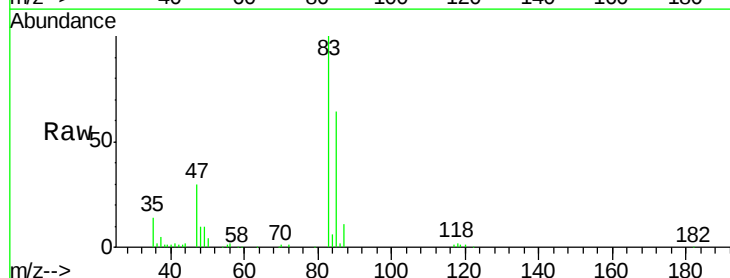
RT: 3.85 min Scan# 327

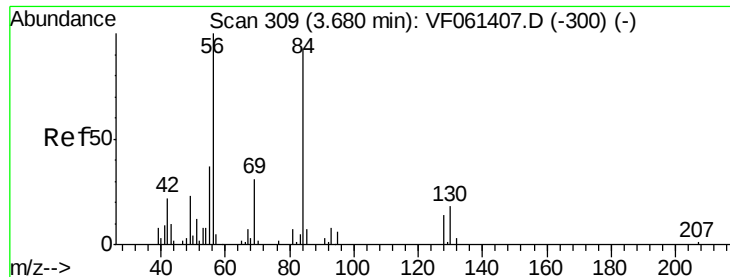
Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Tgt Ion:	83	Resp:	103932
Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.7	79.1





#31

Cyclohexane

Concen: 18.636 ug/l

RT: 3.67 min Scan# 309

Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

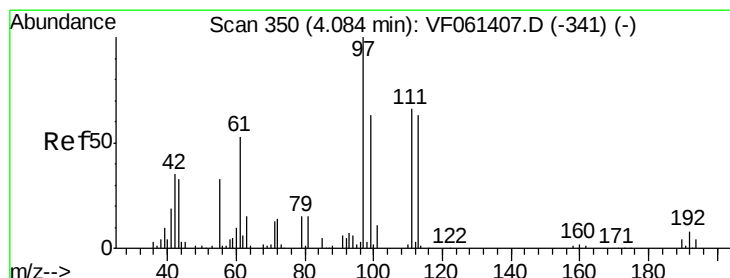
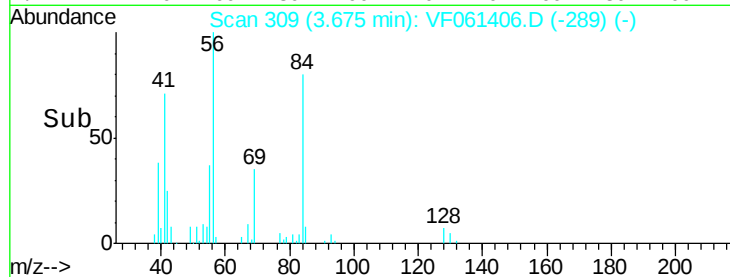
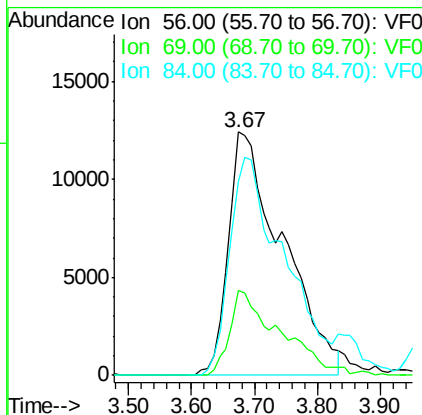
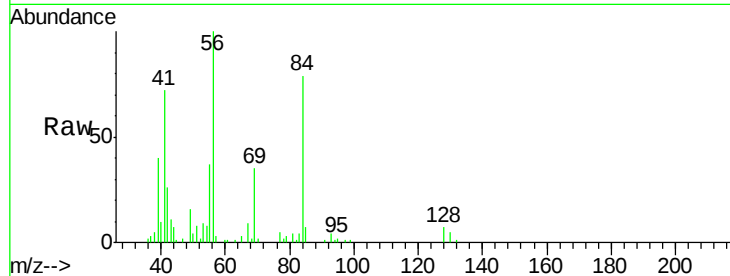
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	73969
Ion	Ratio	Lower	Upper
56	100		
69	34.8	24.6	36.8
84	79.5	74.2	111.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.891 ug/l

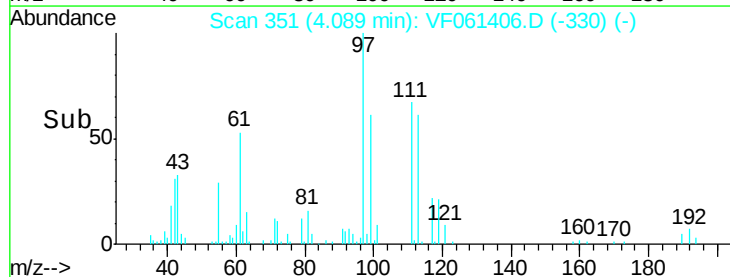
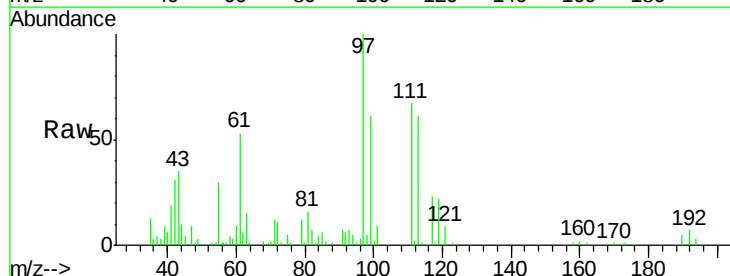
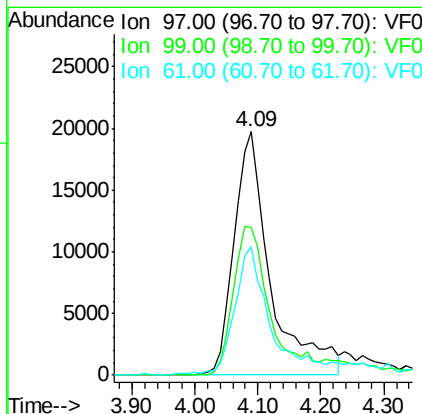
RT: 4.09 min Scan# 351

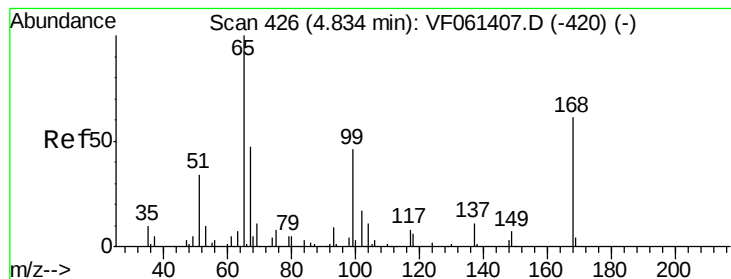
Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Tgt Ion:	97	Resp:	79400
Ion	Ratio	Lower	Upper
97	100		
99	60.8	50.1	75.1
61	52.9	43.1	64.7





#33

1,2-Dichloroethane-d4

Concen: 19.928 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Tot Ion: 65 Resp: 46402

Ion Ratio Lower Upper

65 100

67 48.1 0.0 99.8

Instrument :

MSVOA_F

ClientSampleId :

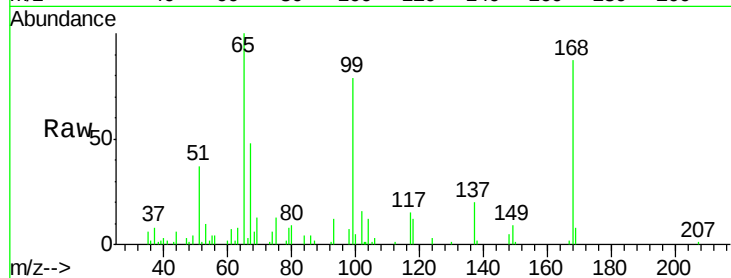
VSTDIC020

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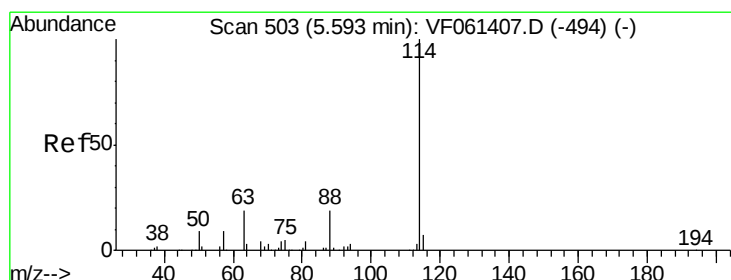
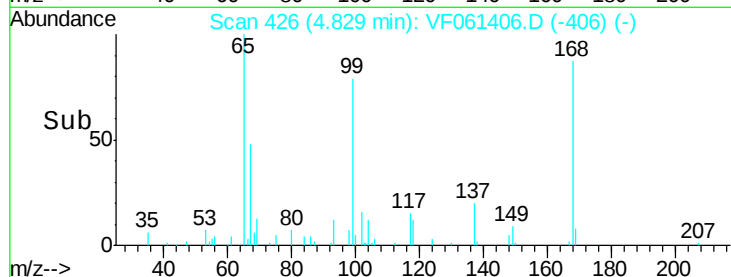
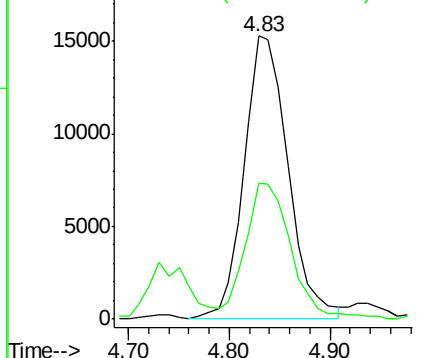
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

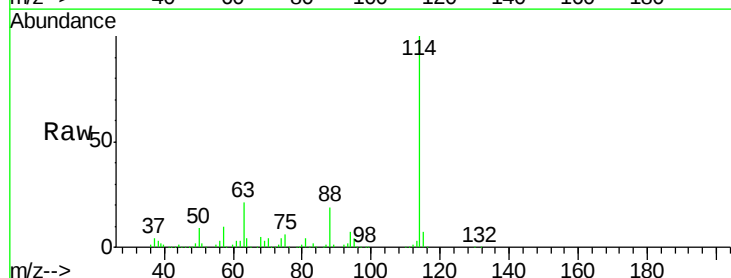
Tgt Ion: 114 Resp: 332153

Ion Ratio Lower Upper

114 100

63 21.2 0.0 39.0

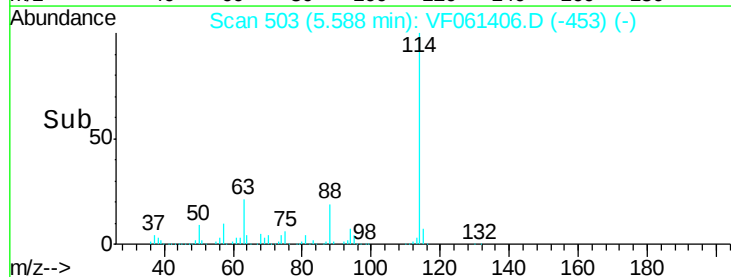
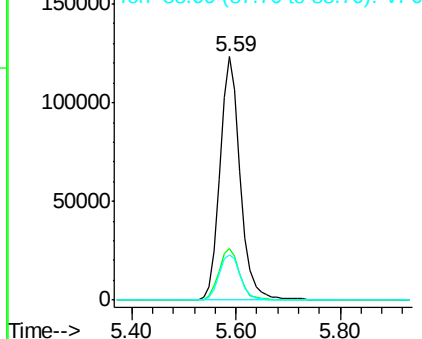
88 18.7 0.0 37.4

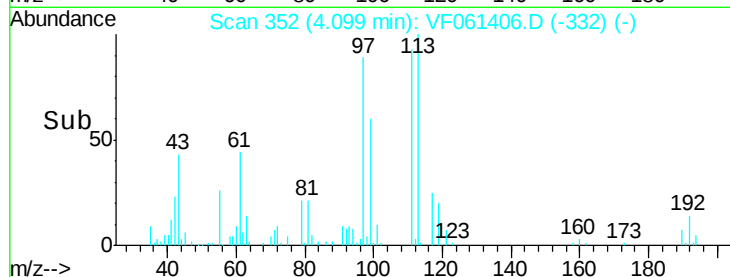
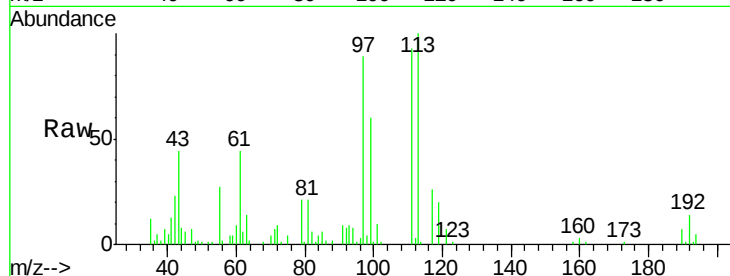
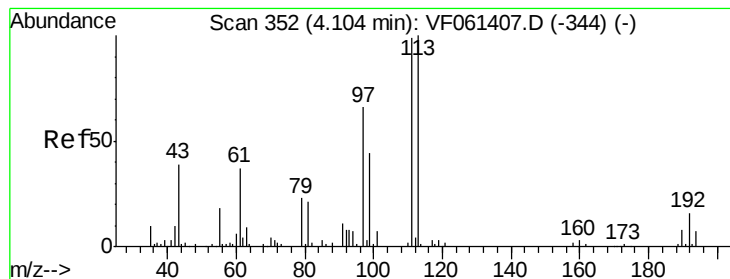


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 19.601 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF061406.D

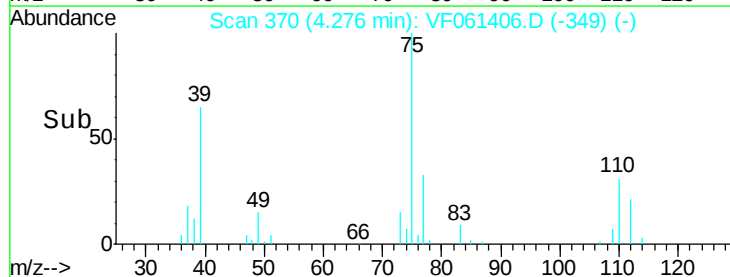
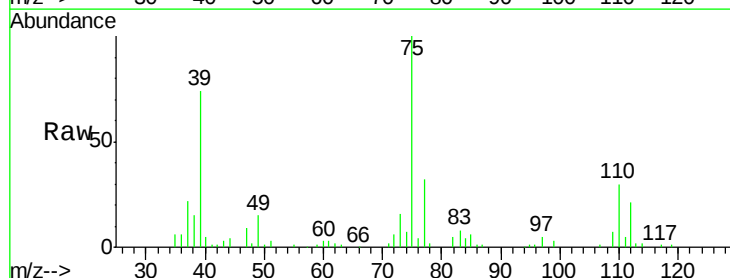
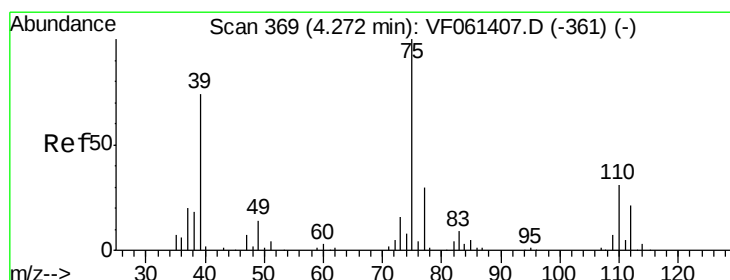
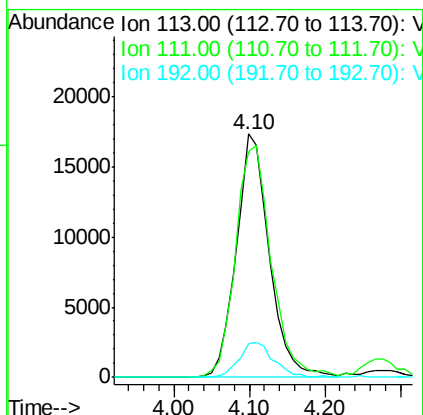
Acq: 15 Jan 2019 14:59

Tot Ion:	113	Resp:	52629
Ion	Ratio	Lower	Upper
113	100		
111	92.8	79.4	119.0
192	14.0	12.4	18.6

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

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#36

1,1-Dichloropropene

Concen: 20.014 ug/l

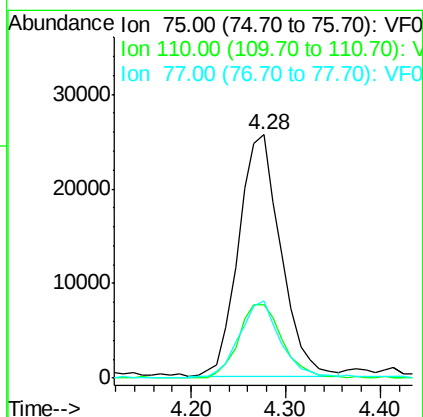
RT: 4.28 min Scan# 370

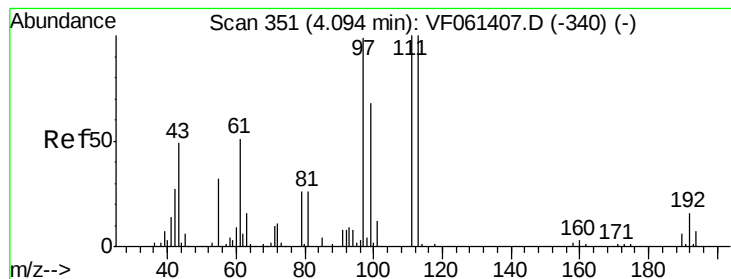
Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Tgt Ion:	75	Resp:	78834
Ion	Ratio	Lower	Upper
75	100		
110	30.1	15.8	47.3
77	31.5	24.0	36.0





#37

Ethyl Acetate

Concen: 20.330 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

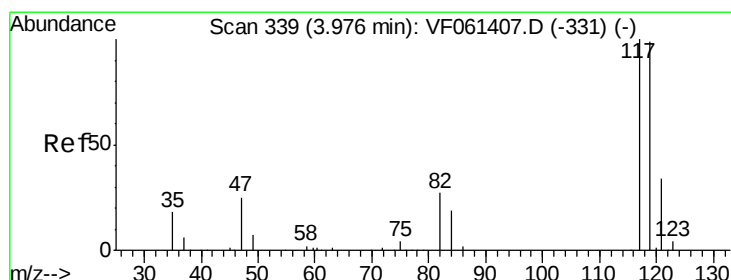
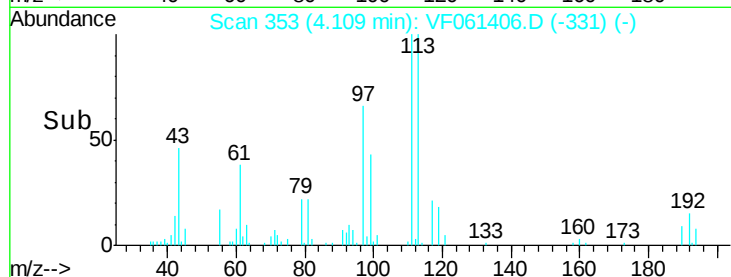
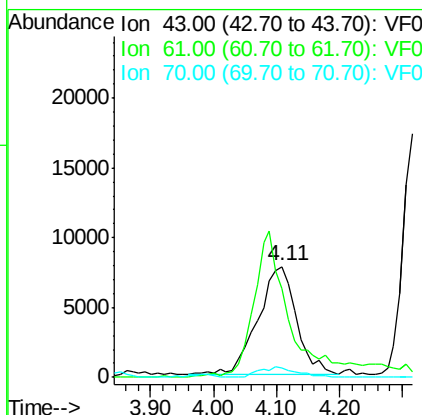
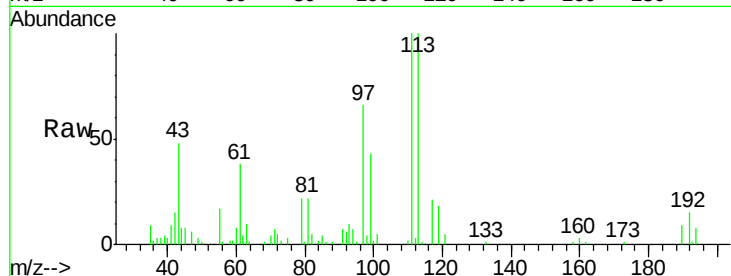
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	32514
Ion	Ratio	Lower	Upper
43	100		
61	79.9	81.7	122.5#
70	8.1	6.2	9.2

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#38

Carbon Tetrachloride

Concen: 15.259 ug/l

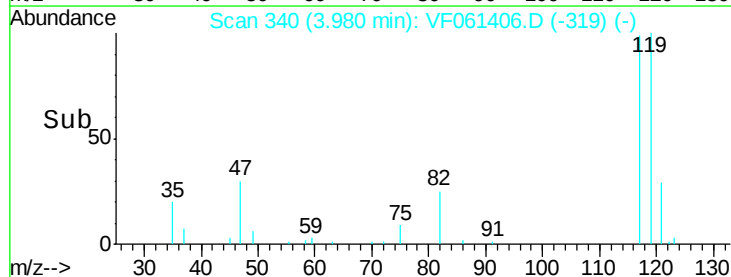
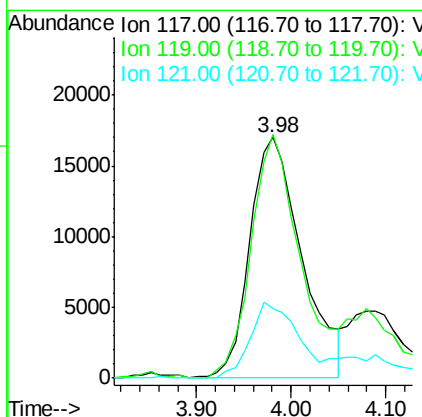
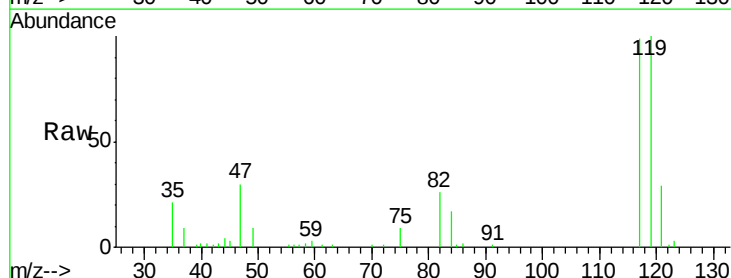
RT: 3.98 min Scan# 340

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Tgt Ion:	117	Resp:	65114
Ion	Ratio	Lower	Upper
117	100		
119	101.2	79.0	118.6
121	29.0	27.0	40.6





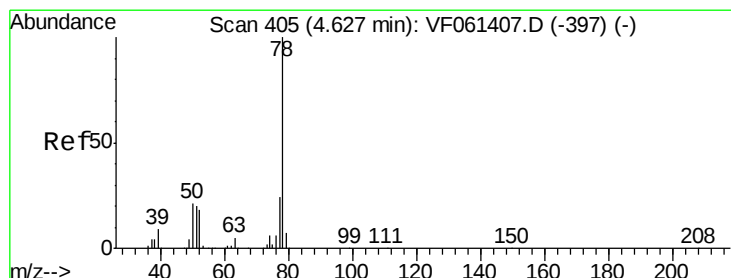
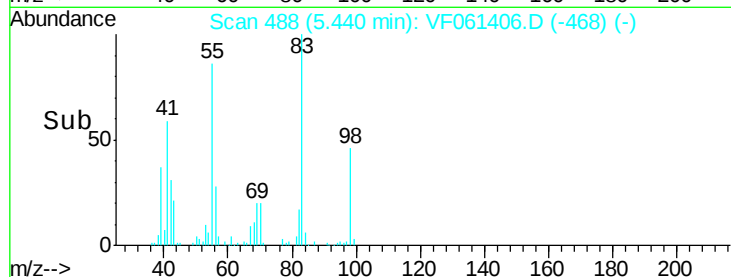
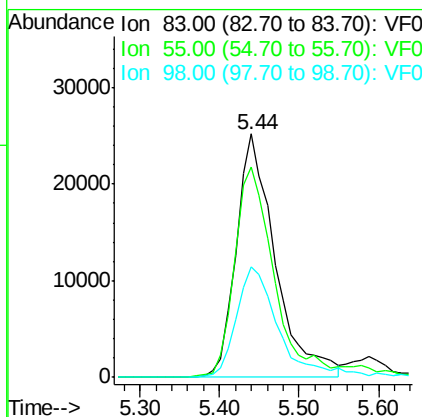
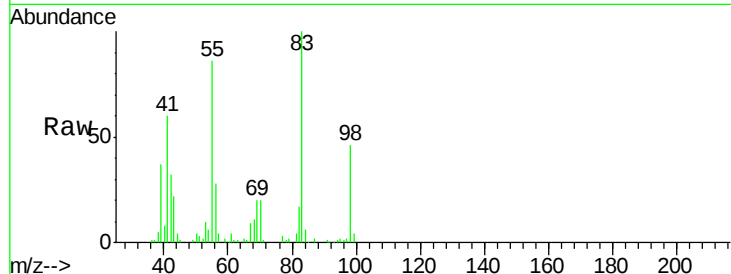
#39
Methvlcvclohexane
Concen: 19.632 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.01 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	85373
Ion Ratio	Lower	Upper	
83	100		
55	86.2	67.4	101.2
98	45.6	36.7	55.1

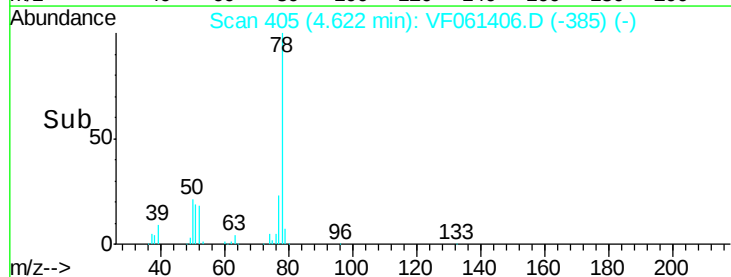
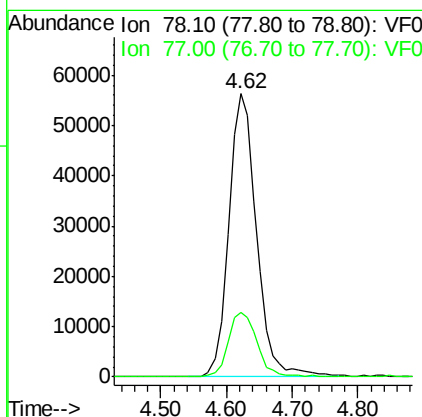
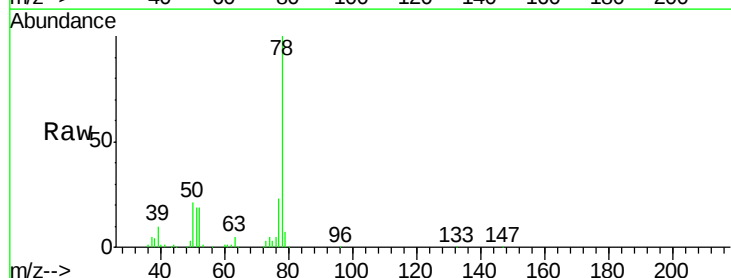
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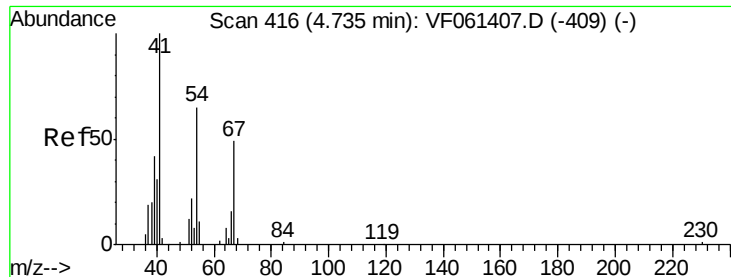
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#40
Benzene
Concen: 18.587 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.01 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

Tgt Ion	78	Resp	166024
Ion Ratio	Lower	Upper	
78	100		
77	23.0	19.0	28.6





#41

Methacrylonitrile

Concen: 19.405 ug/l

RT: 4.74 min Scan# 417

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

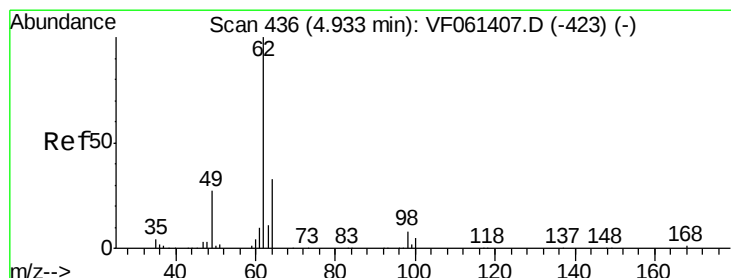
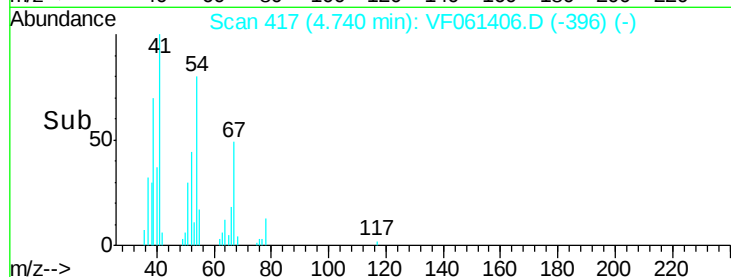
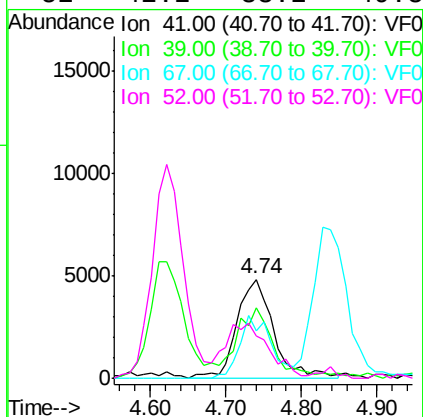
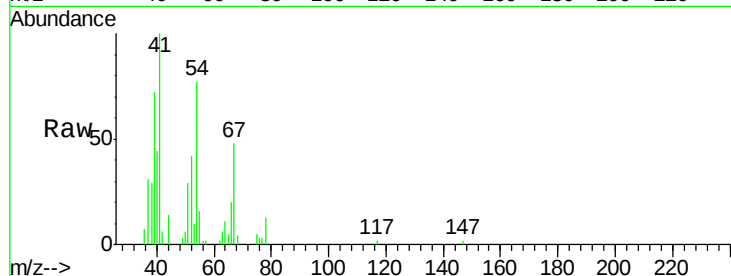
ClientSampleId :

VSTDIC020

Tot Ion:	41	Resp:	16347
Ion Ratio	Lower	Upper	
41	100		
39	71.9	43.1	64.7#
67	47.9	38.8	58.2
52	42.2	33.2	49.8

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#42

1,2-Dichloroethane

Concen: 20.213 ug/l

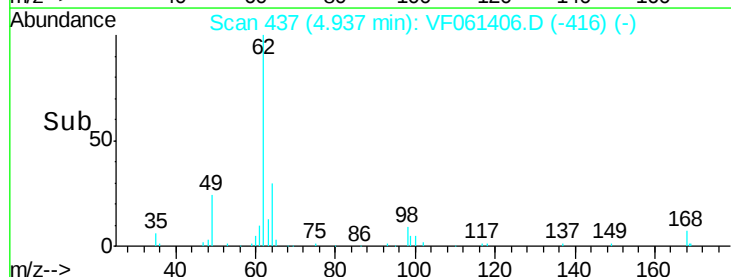
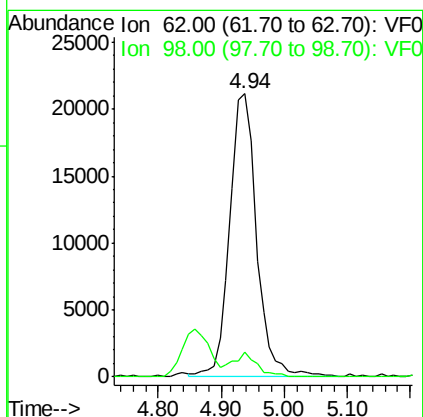
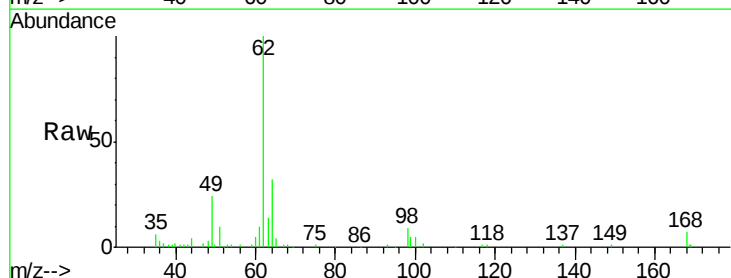
RT: 4.94 min Scan# 437

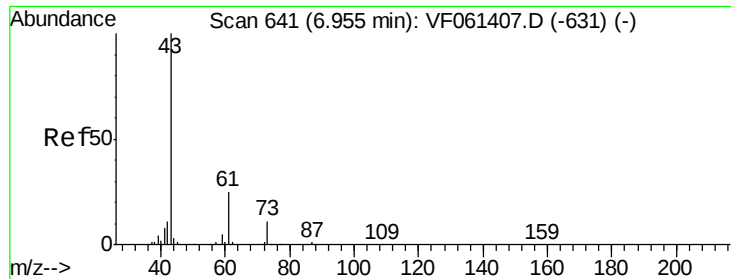
Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Tgt Ion:	62	Resp:	62577
Ion Ratio	Lower	Upper	
62	100		
98	8.9	0.0	17.0





#43

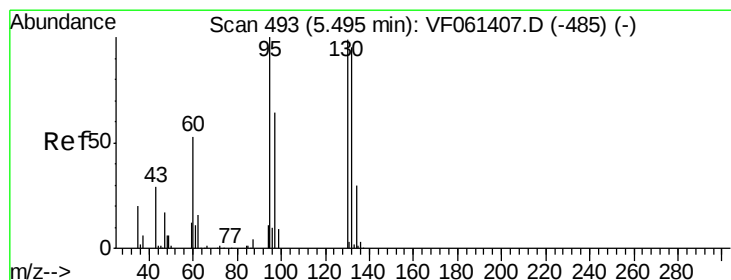
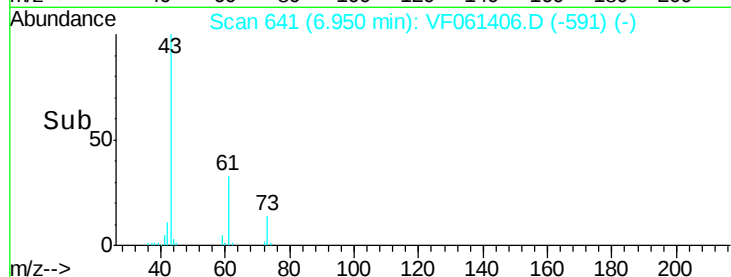
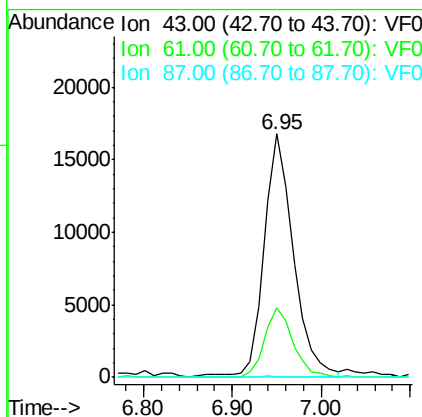
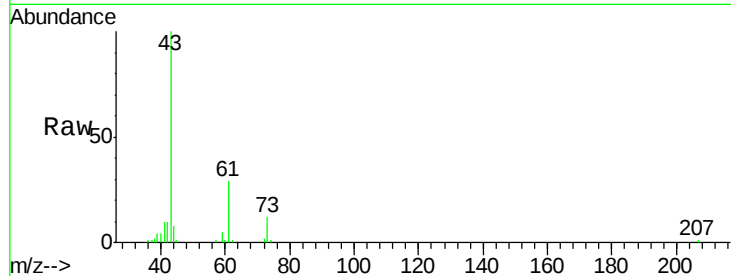
Isopropyl Acetate
 Concen: 20.068 ug/l
 RT: 6.95 min Scan# 641
 Delta R.T. -0.01 min
 Lab File: VF061406.D
 Acq: 15 Jan 2019 14:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.7	20.3	30.5
87	0.0	0.5	0.7#

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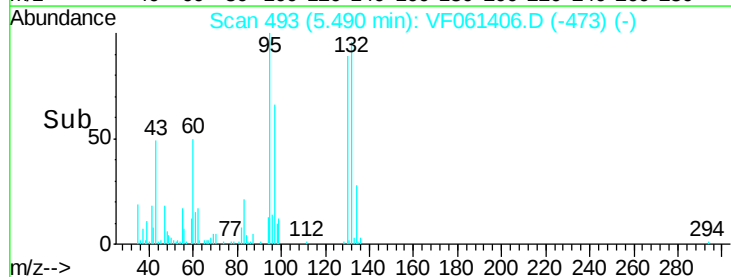
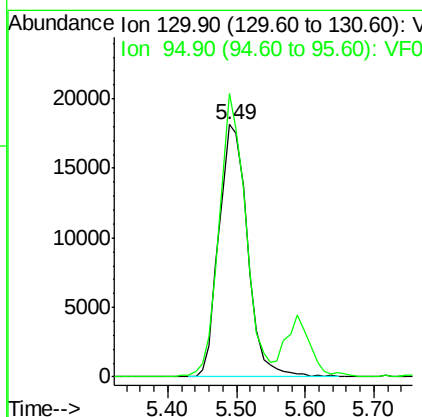
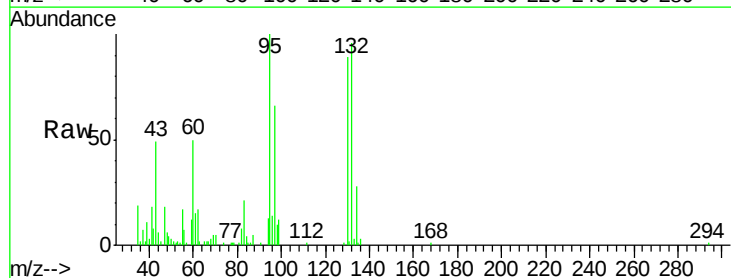
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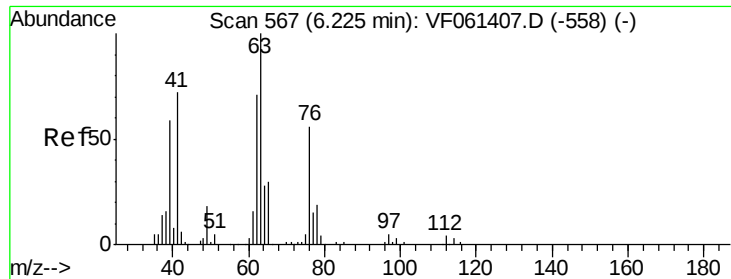


#44

Trichloroethene
 Concen: 19.086 ug/l
 RT: 5.49 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VF061406.D
 Acq: 15 Jan 2019 14:59

Tgt Ion	Ratio	Lower	Upper
130	100		
95	112.1	0.0	202.8





#45

1,2-Dichloropropane

Concen: 20.114 ug/l

RT: 6.23 min Scan# 568

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 46056

Ion Ratio Lower Upper

63 100

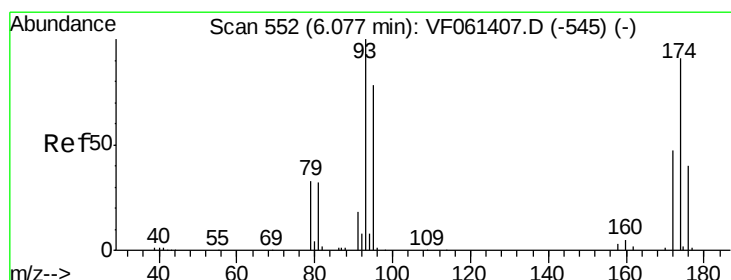
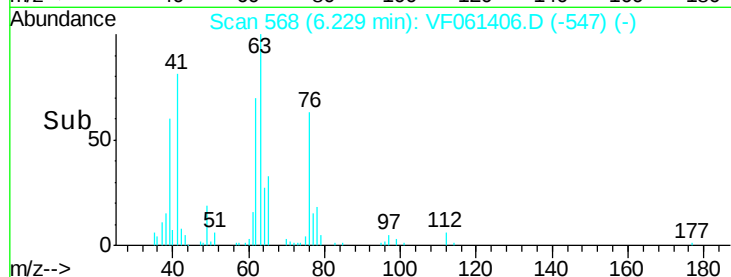
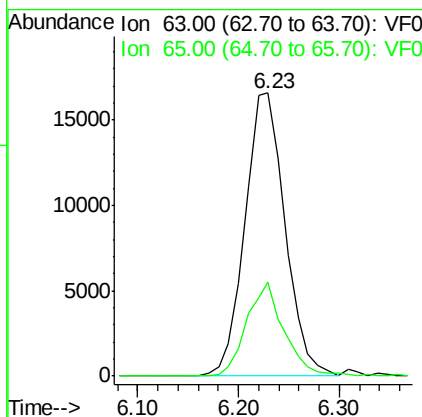
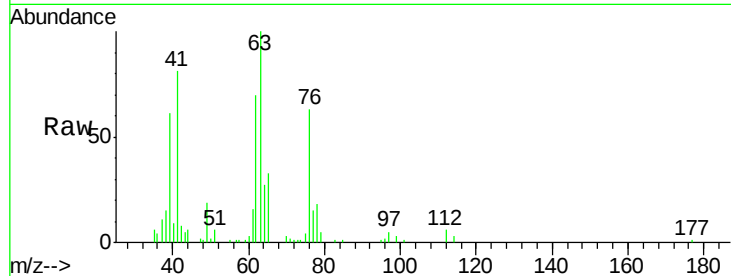
65 33.2 24.4 36.6

Manual Integrations

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#46

Dibromomethane

Concen: 19.219 ug/l

RT: 6.07 min Scan# 552

Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

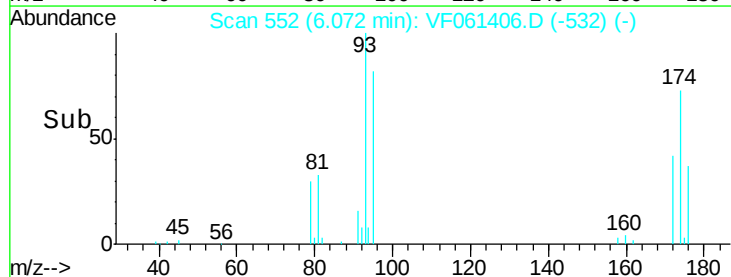
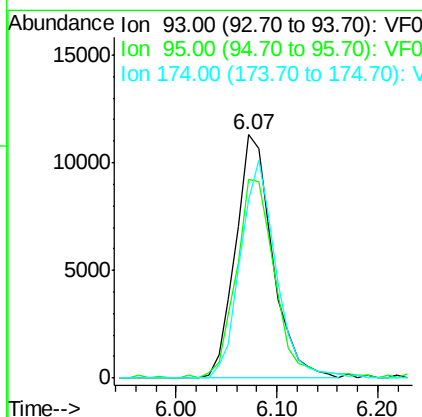
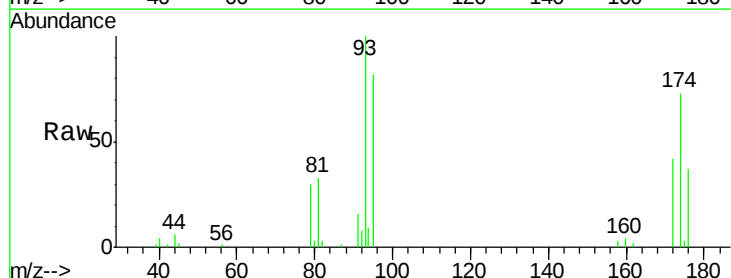
Tgt Ion: 93 Resp: 28851

Ion Ratio Lower Upper

93 100

95 81.9 62.1 93.1

174 73.3 74.6 111.8#





#47

Bromodichloromethane

Concen: 20.009 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

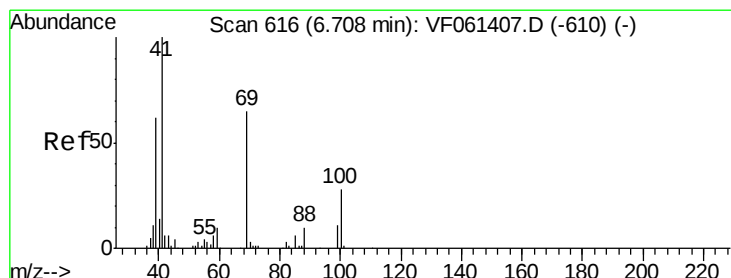
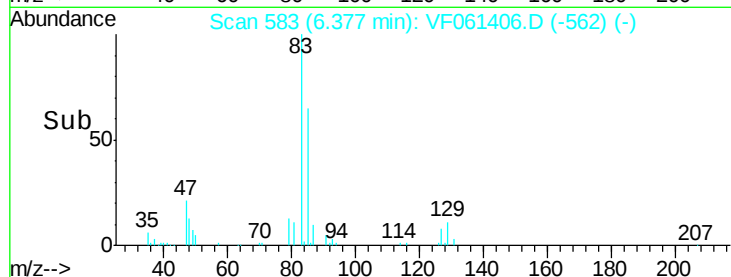
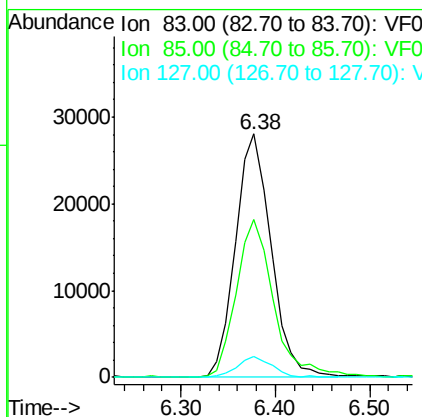
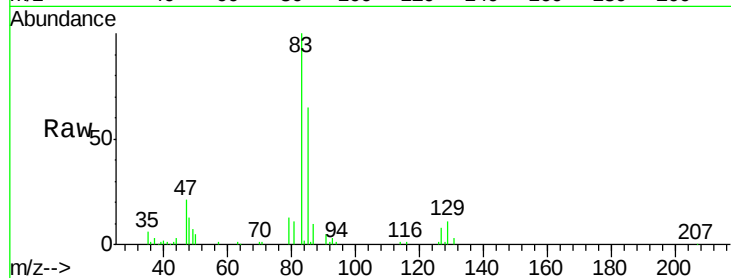
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	73496
Ion	Ratio	Lower	Upper
83	100		
85	64.7	53.0	79.4
127	8.5	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.627 ug/l

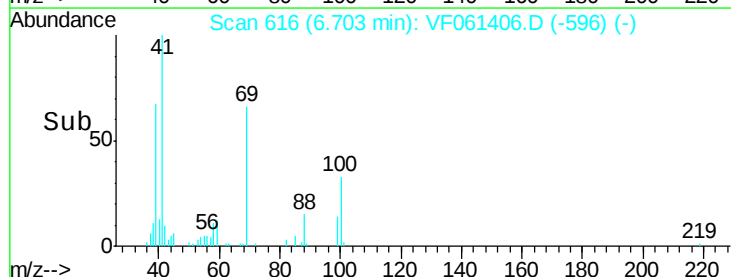
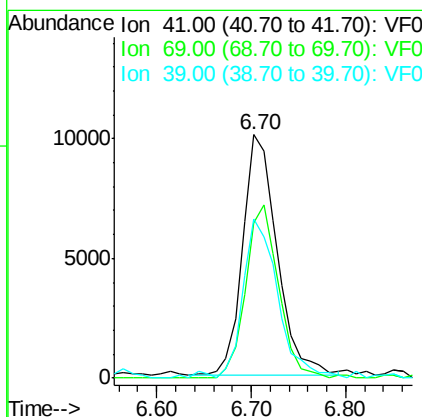
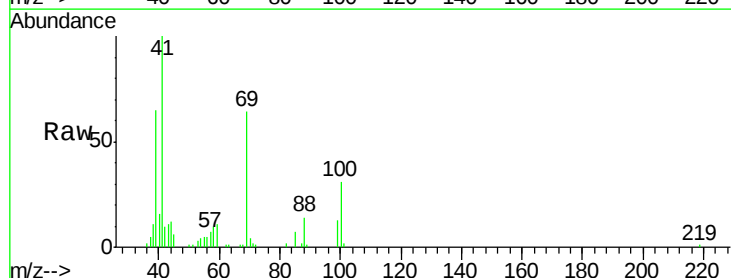
RT: 6.70 min Scan# 616

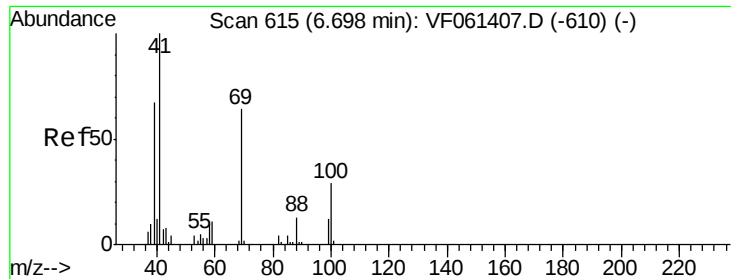
Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Tgt Ion:	41	Resp:	25340
Ion	Ratio	Lower	Upper
41	100		
69	63.6	51.7	77.5
39	65.3	49.2	73.8





#49

1,4-Dioxane

Concen: 439.589 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

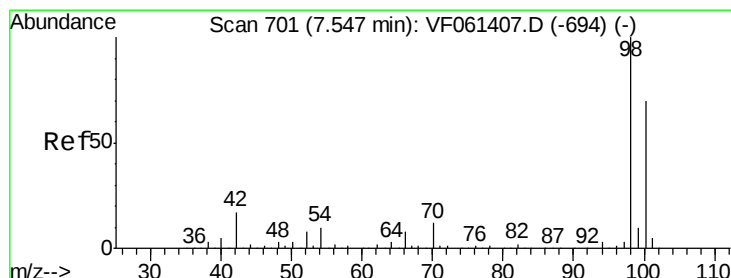
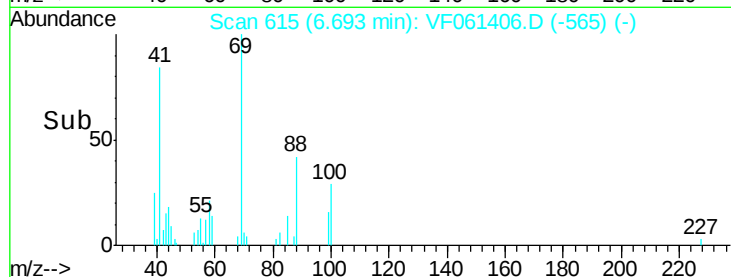
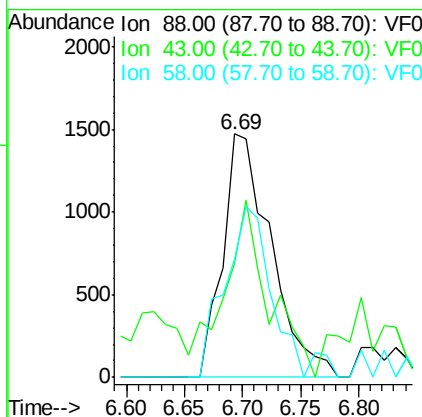
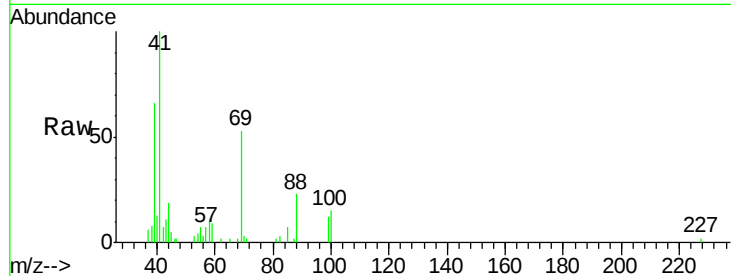
ClientSampleId :

VSTDIC020

Tot Ion:	88	Resp:	4239
Ion	Ratio	Lower	Upper
88	100		
43	46.8	55.5	83.3#
58	48.7	59.9	89.9#

Manual Integrations
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#50

Toluene-d8

Concen: 19.515 ug/l

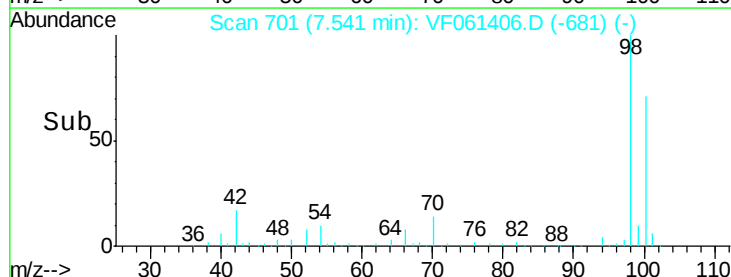
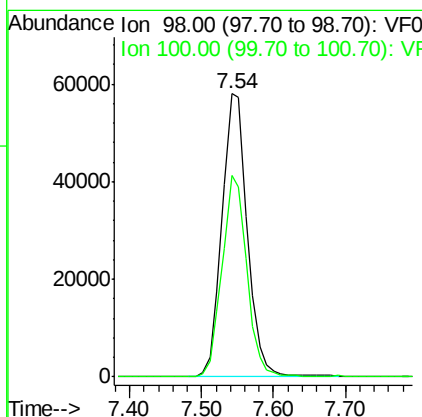
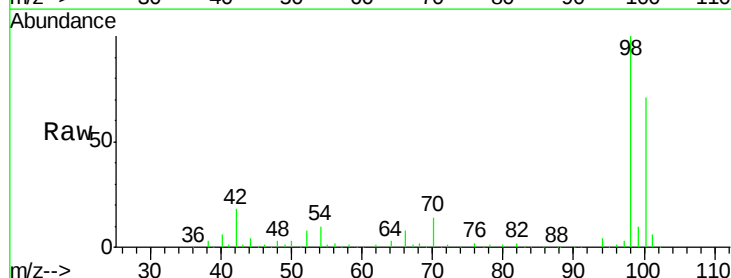
RT: 7.54 min Scan# 701

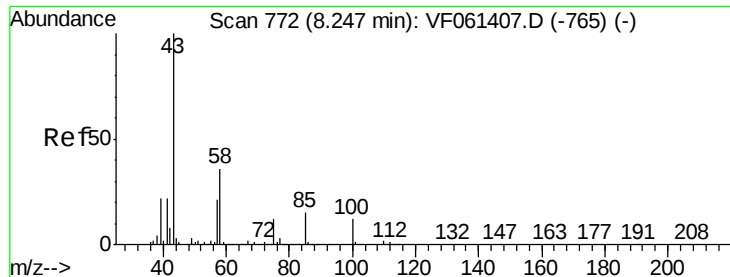
Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Tgt Ion:	98	Resp:	141640
Ion	Ratio	Lower	Upper
98	100		
100	71.0	55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 97.968 ug/l

RT: 8.25 min Scan# 773

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 146721

Ion Ratio Lower Upper

43 100

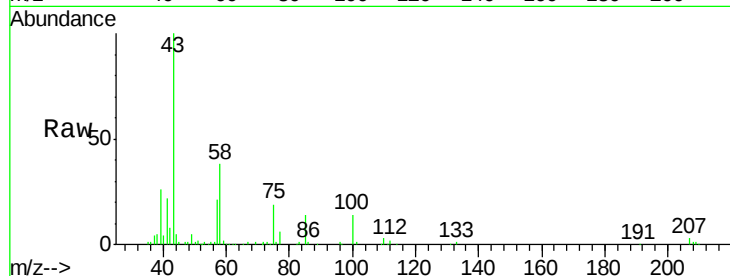
58 38.1 28.8 43.2

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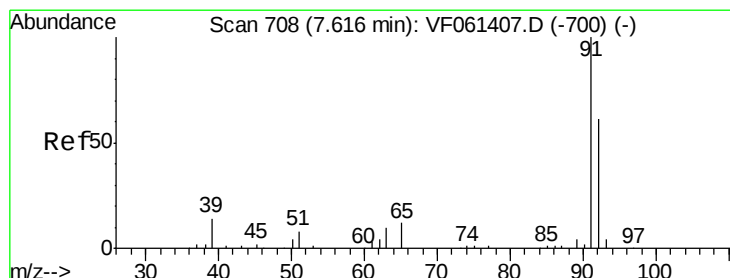
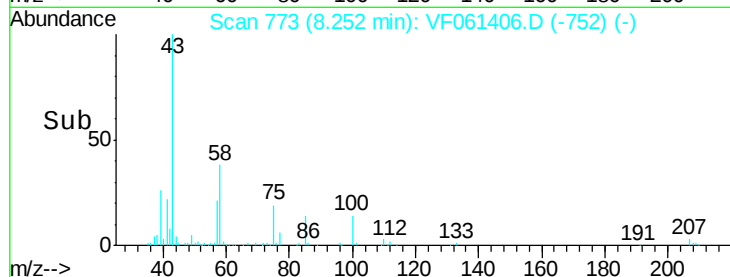
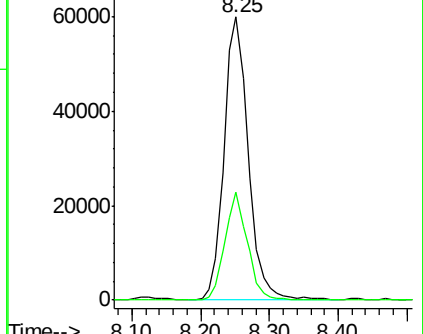
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 19.460 ug/l

RT: 7.62 min Scan# 709

Delta R.T. 0.00 min

Lab File: VF061406.D

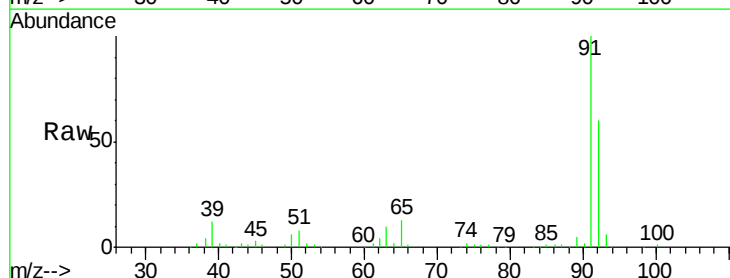
Acq: 15 Jan 2019 14:59

Tgt Ion: 92 Resp: 115428

Ion Ratio Lower Upper

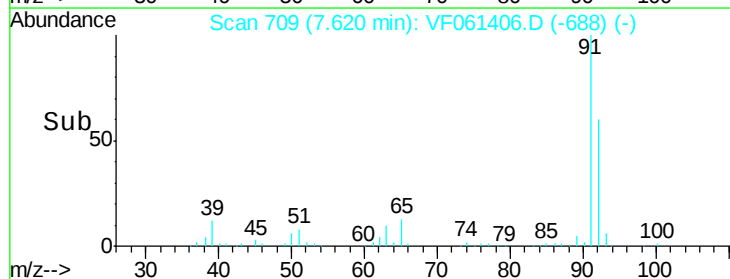
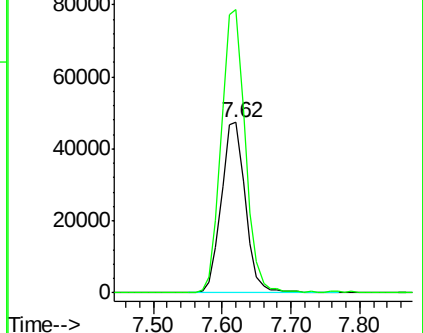
92 100

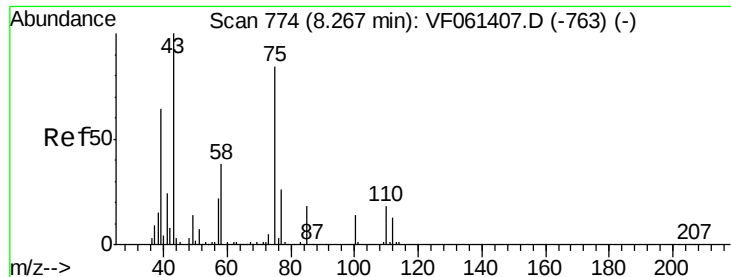
91 166.4 131.2 196.8



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: 20.165 ug/l

RT: 8.27 min Scan# 775

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 59755

Ion Ratio Lower Upper

75 100

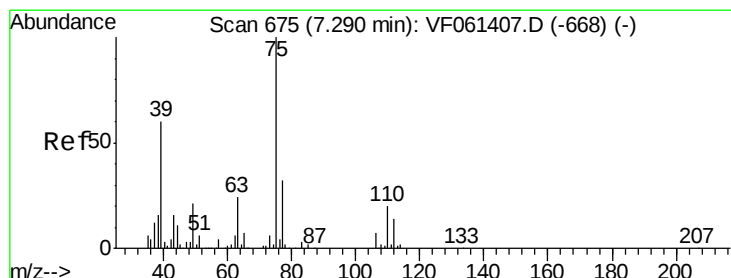
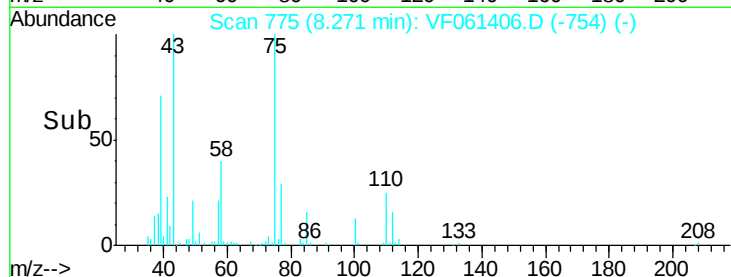
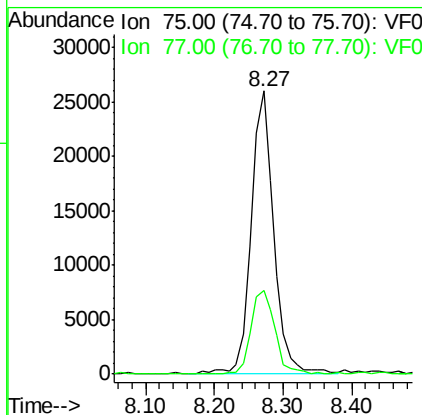
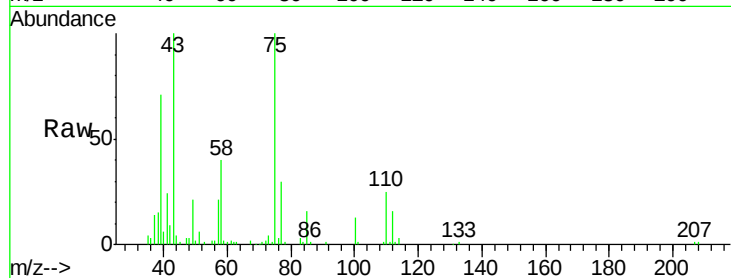
77 29.7 24.4 36.6

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#54

cis-1,3-Dichloropropene

Concen: 20.400 ug/l

RT: 7.29 min Scan# 676

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

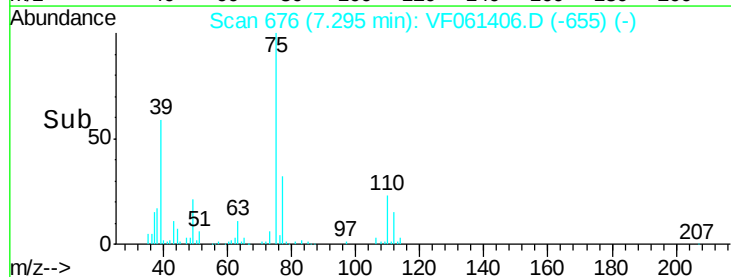
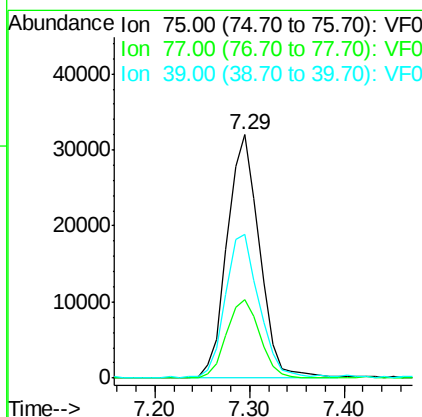
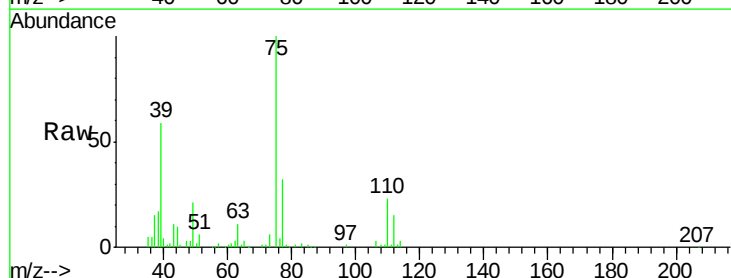
Tgt Ion: 75 Resp: 76034

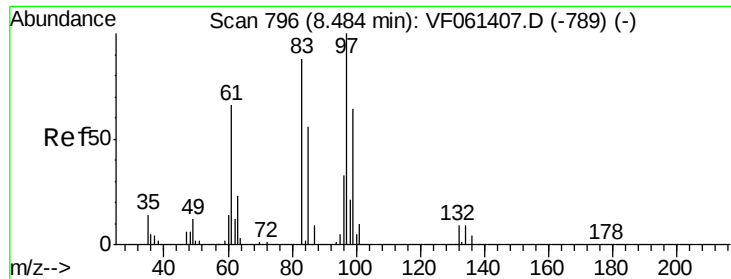
Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.0

39 59.2 47.8 71.8





#55

1,1,2-Trichloroethane

Concen: 21.142 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

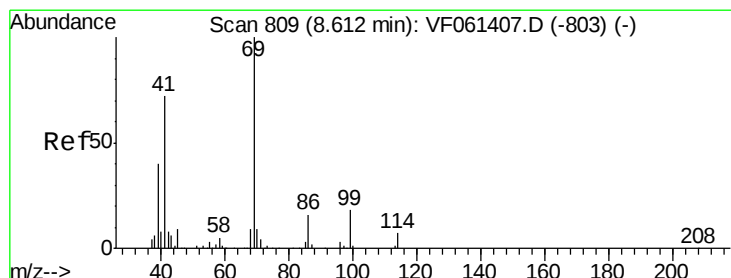
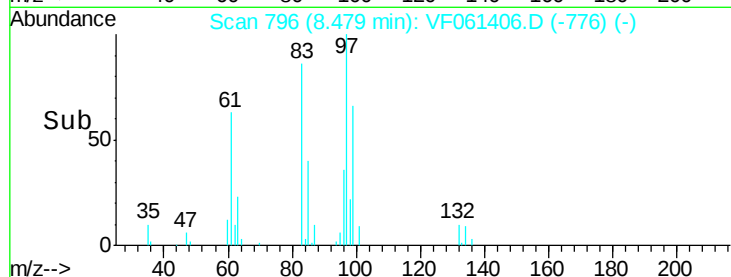
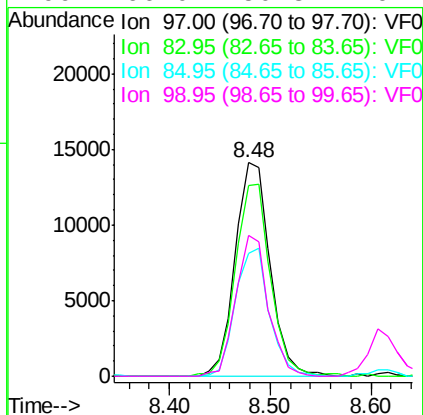
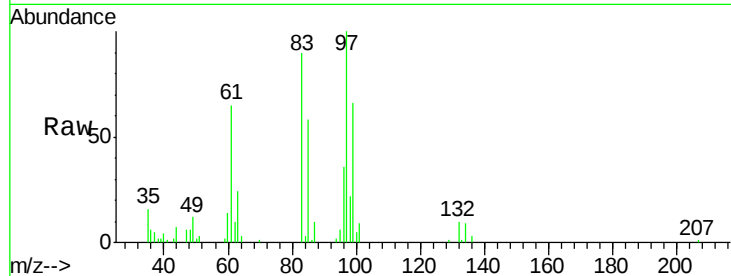
ClientSampleId :

VSTDIC020

Tot Ion:	97	Resp:	34082
Ion	Ratio	Lower	Upper
97	100		
83	89.5	70.4	105.6
85	57.8	44.7	67.1
99	66.0	50.8	76.2

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#56

Ethyl methacrylate

Concen: 19.615 ug/l

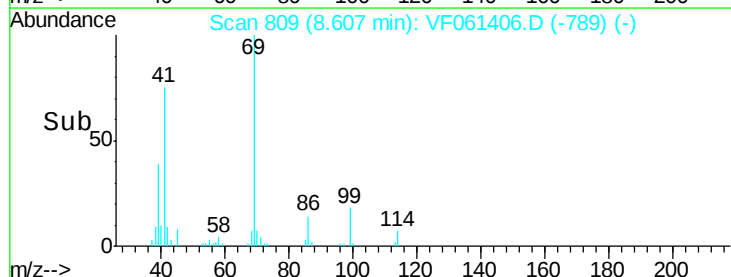
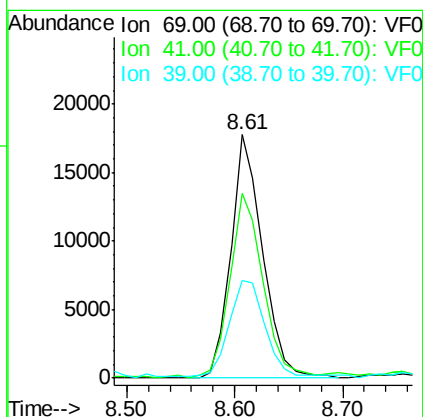
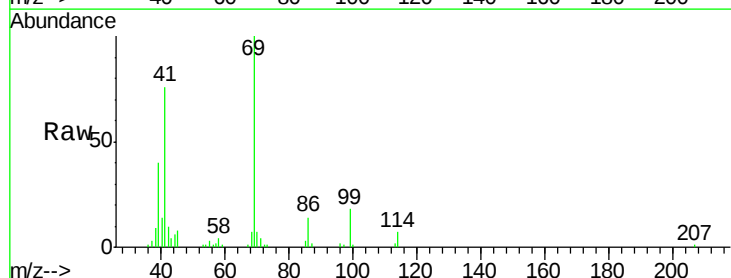
RT: 8.61 min Scan# 809

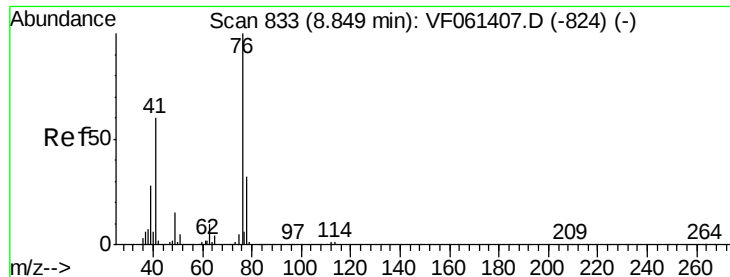
Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Tgt Ion:	69	Resp:	36237
Ion	Ratio	Lower	Upper
69	100		
41	75.7	57.5	86.3
39	40.3	32.0	48.0





#57

1,3-Dichloropropane

Concen: 19.930 ug/l

RT: 8.84 min Scan# 833

Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 59599

Ion Ratio Lower Upper

76 100

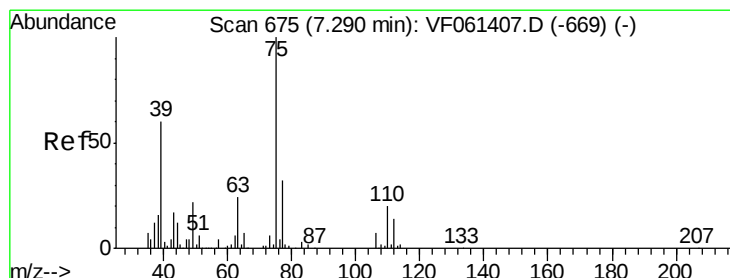
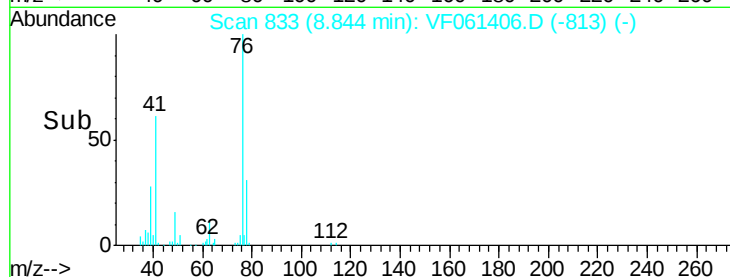
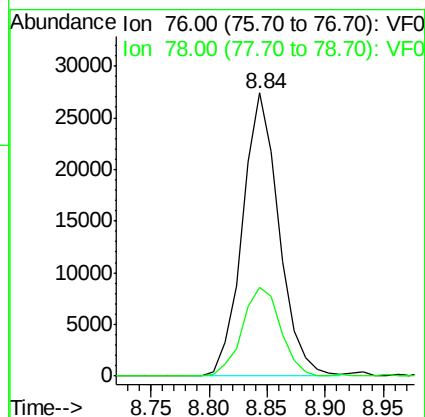
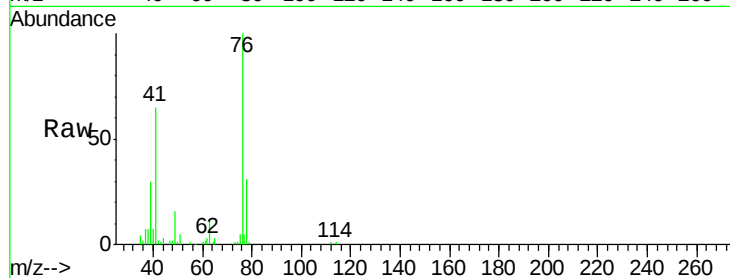
78 31.2 25.3 37.9

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#58

2-Chloroethyl Vinyl ether

Concen: 83.773 ug/l

RT: 7.28 min Scan# 675

Delta R.T. -0.01 min

Lab File: VF061406.D

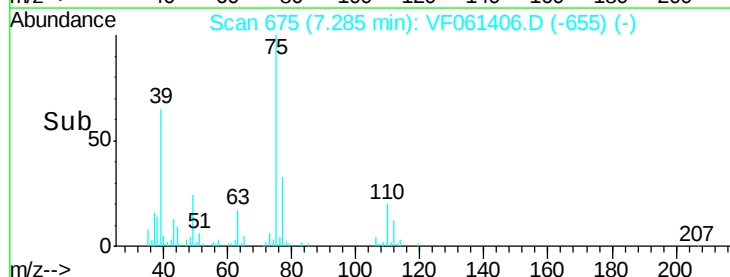
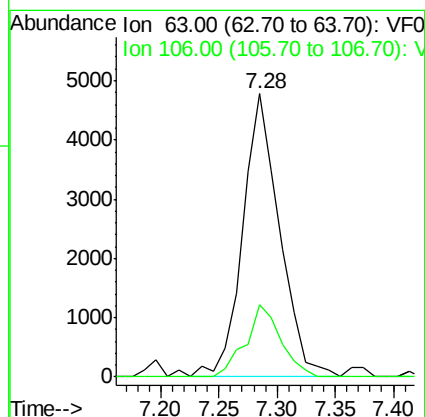
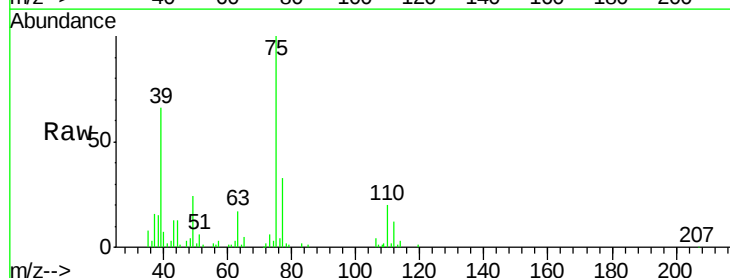
Acq: 15 Jan 2019 14:59

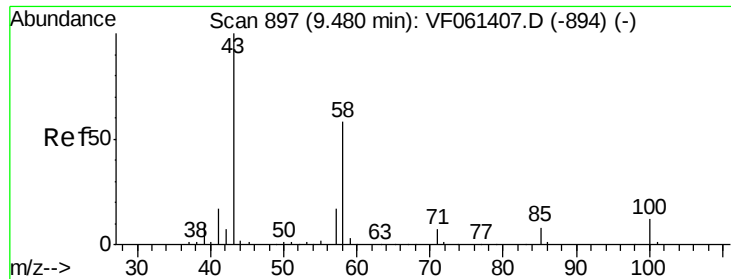
Tgt Ion: 63 Resp: 10470

Ion Ratio Lower Upper

63 100

106 25.7 21.9 32.9





#59

2-Hexanone

Concen: 101.938 ug/l

RT: 9.48 min Scan# 898

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 106267

Ion Ratio Lower Upper

43 100

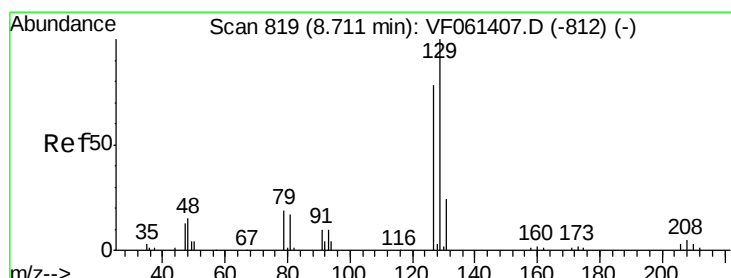
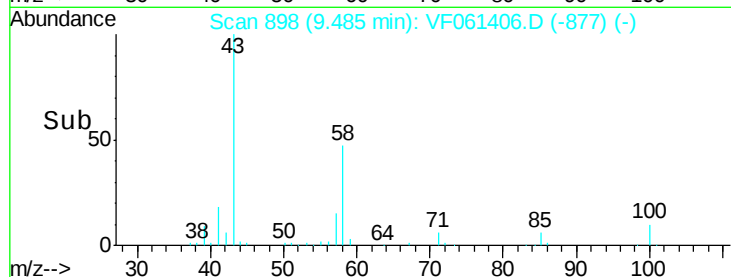
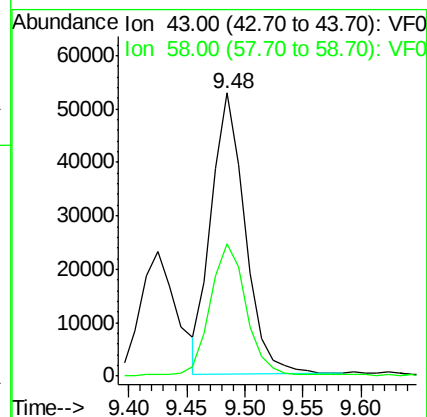
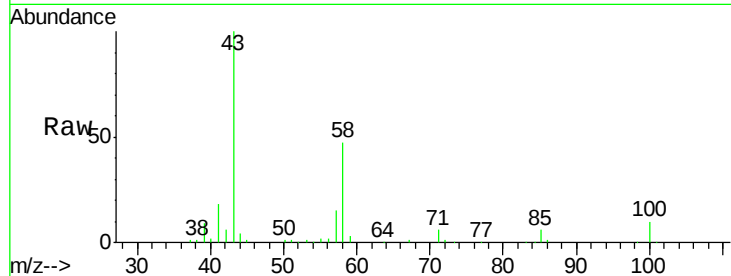
58 46.9 25.9 77.6

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#60

Dibromochloromethane

Concen: 21.318 ug/l

RT: 8.71 min Scan# 819

Delta R.T. -0.01 min

Lab File: VF061406.D

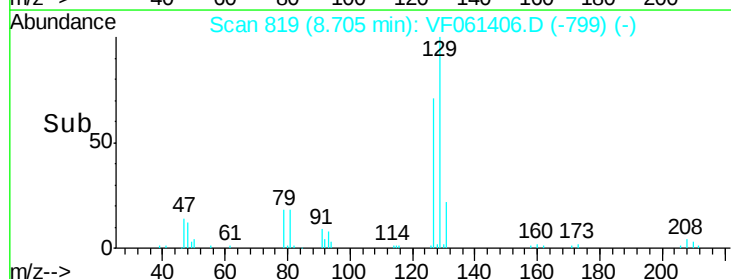
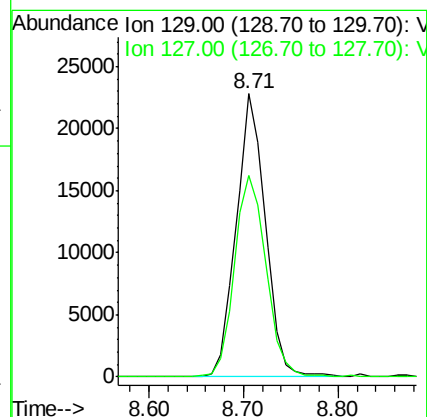
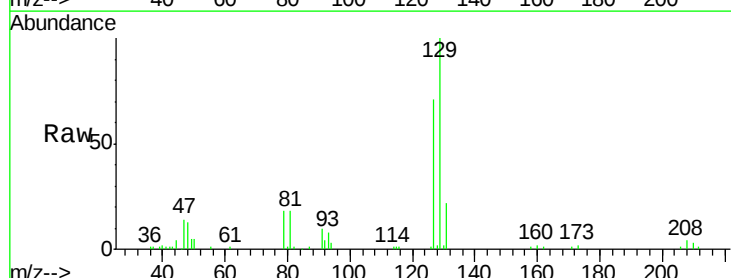
Acq: 15 Jan 2019 14:59

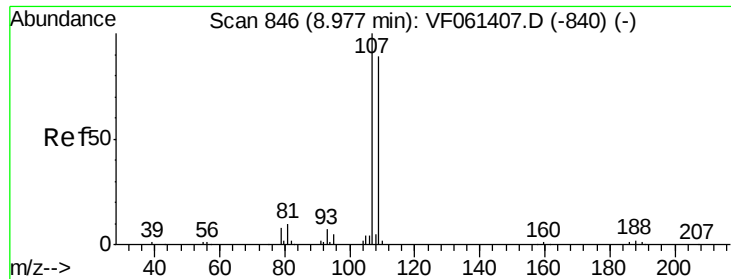
Tgt Ion: 129 Resp: 48845

Ion Ratio Lower Upper

129 100

127 71.3 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.636 ug/l

RT: 8.98 min Scan# 847

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 36218

Ion Ratio Lower Upper

107 100

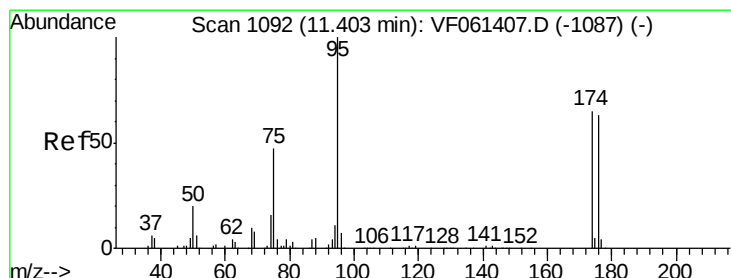
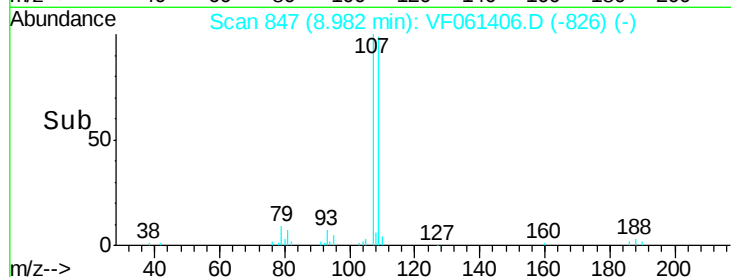
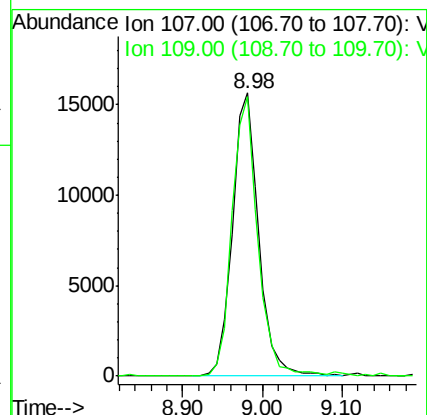
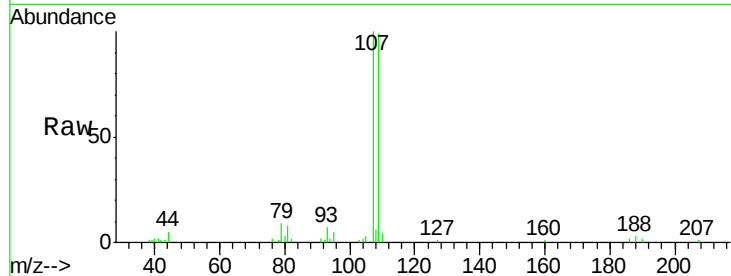
109 98.9 70.8 106.2

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 18.556 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

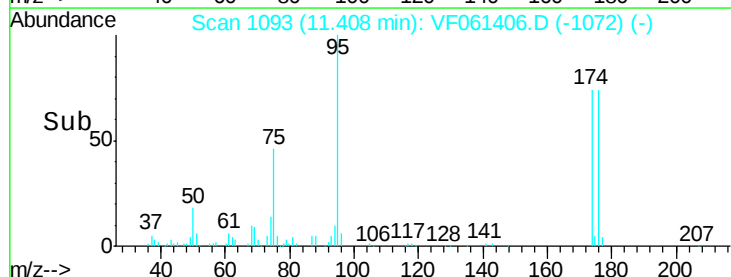
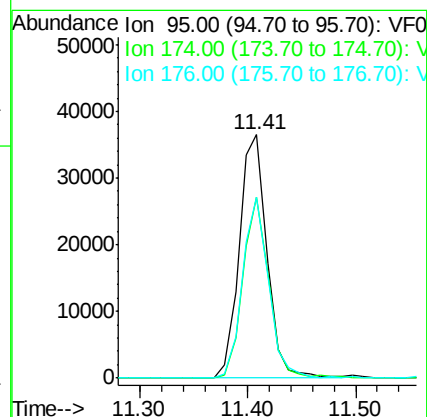
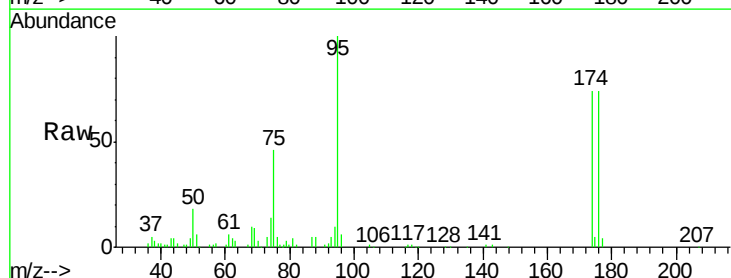
Tgt Ion: 95 Resp: 65064

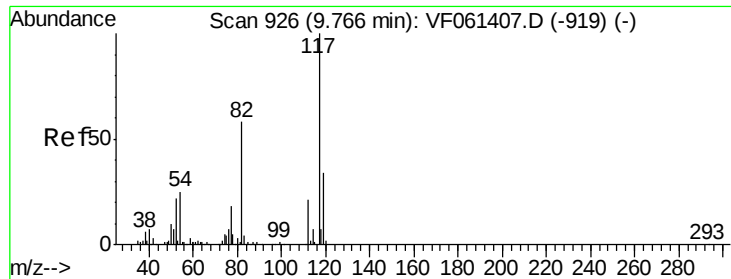
Ion Ratio Lower Upper

95 100

174 74.2 0.0 130.4

176 74.3 0.0 126.2





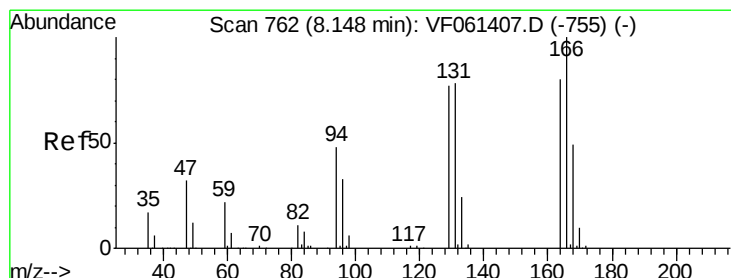
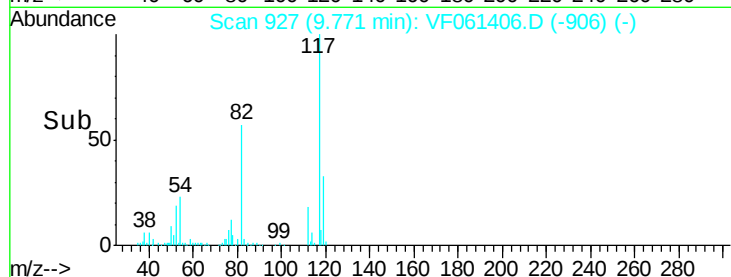
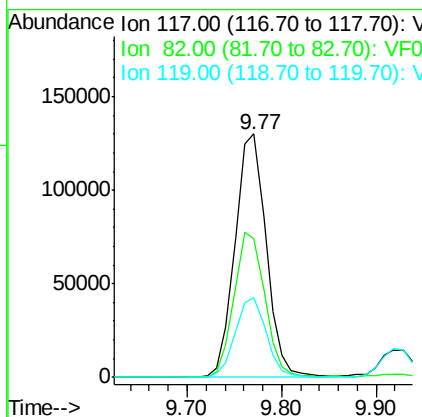
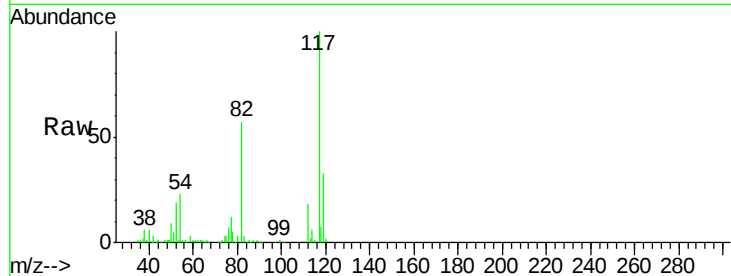
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. 0.00 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	299345		
82	57.0		46.4	69.6
119	32.5		27.2	40.8

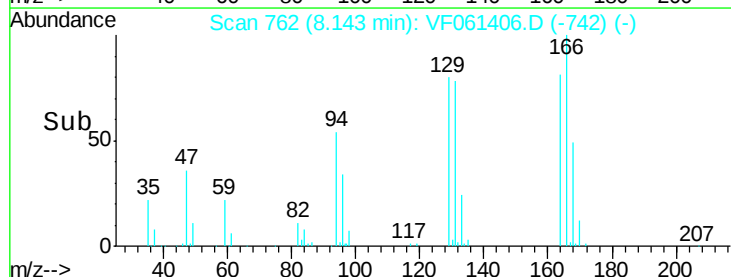
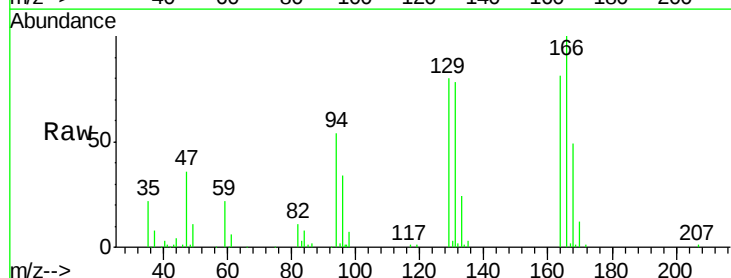
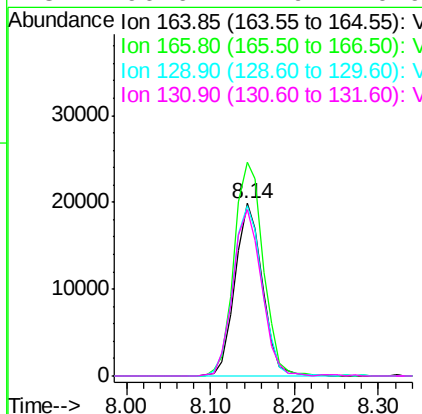
Manual Integrations
APPROVED

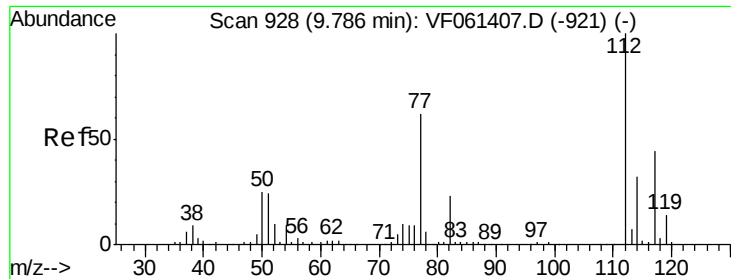
apatel
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#64
Tetrachloroethene
Concen: 19.807 ug/l
RT: 8.14 min Scan# 762
Delta R.T. -0.01 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	45166		
166	123.6		99.6	149.4
129	98.8		76.4	114.6
131	96.6		77.9	116.9





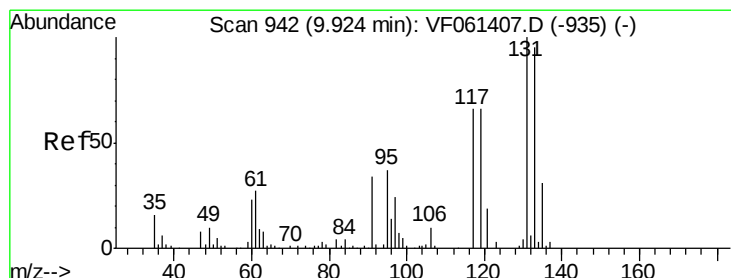
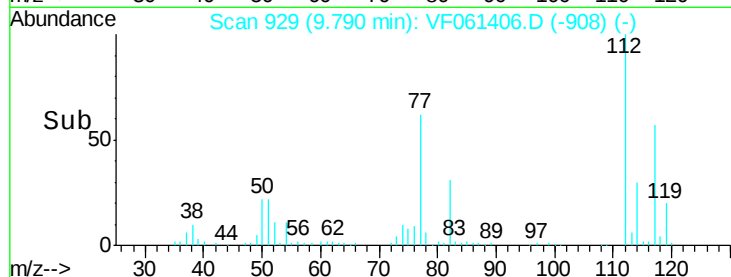
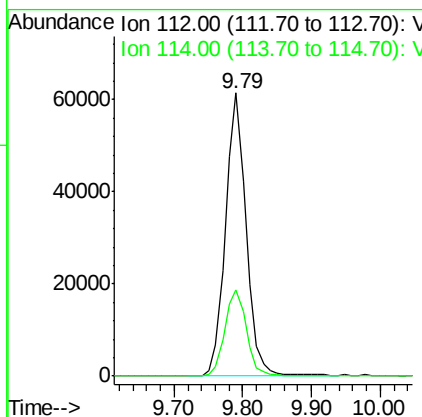
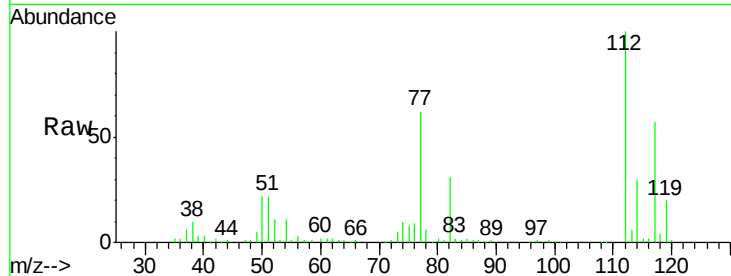
#65
Chlorobenzene
Concen: 20.187 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.00 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 128062
Ion Ratio Lower Upper
112 100
114 30.5 25.4 38.0

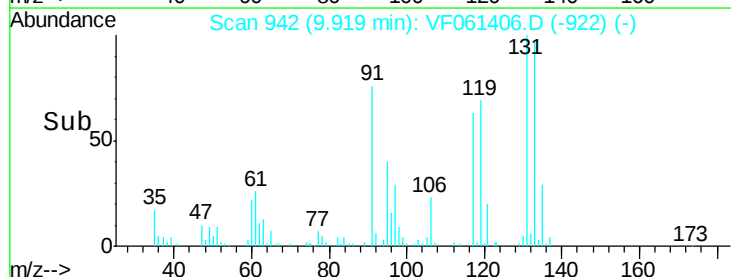
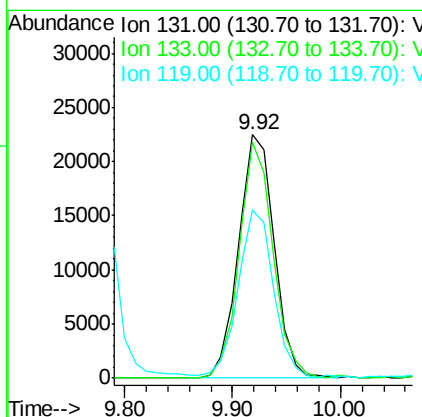
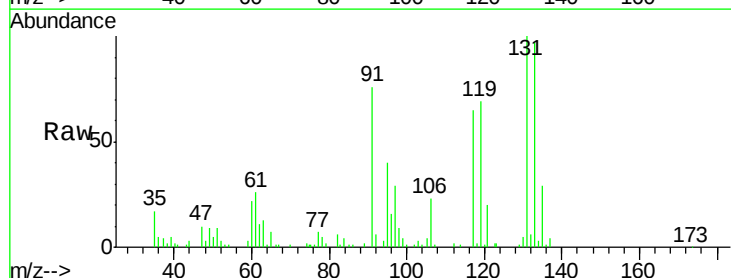
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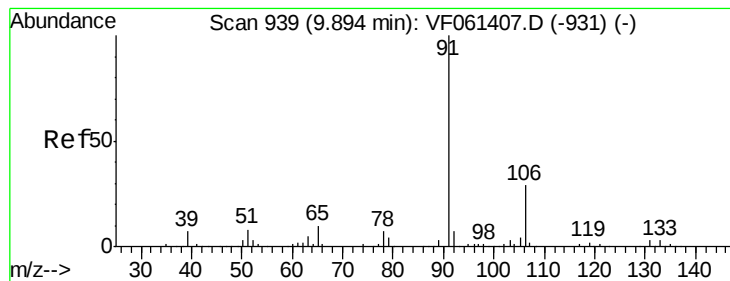
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.681 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.01 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

Tgt Ion:131 Resp: 51356
Ion Ratio Lower Upper
131 100
133 96.7 47.4 142.2
119 69.3 33.1 99.3





#67

Ethyl Benzene

Concen: 20.069 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Tot Ion: 91 Resp: 235724

Ion Ratio Lower Upper

91 100

106 29.5 23.1 34.7

Instrument :

MSVOA_F

ClientSampleId :

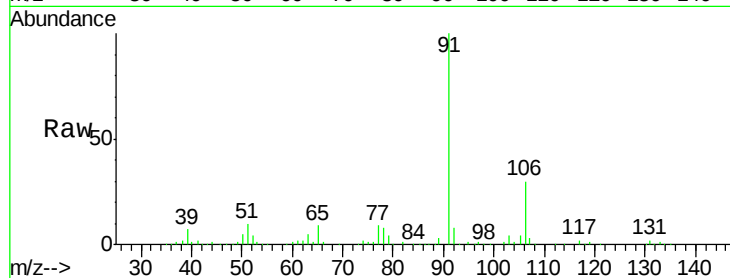
VSTDIC020

Manual Integrations

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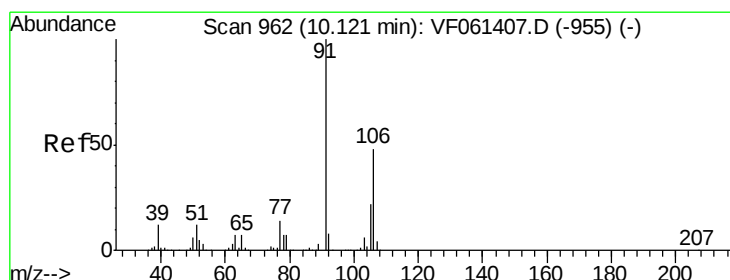
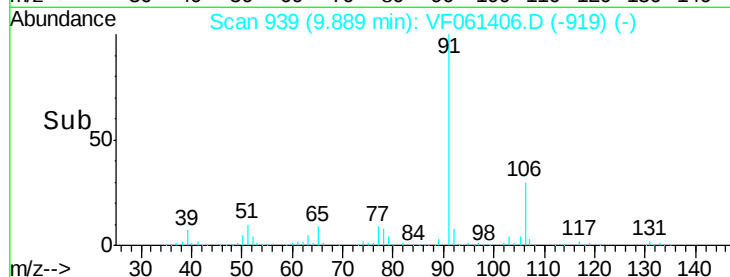
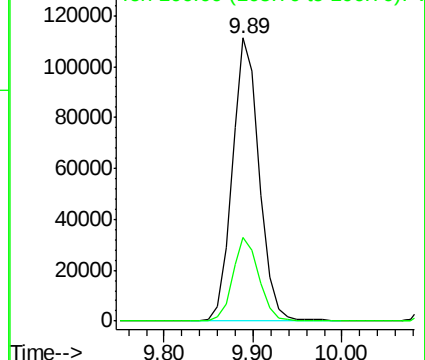
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 38.454 ug/l

RT: 10.13 min Scan# 963

Delta R.T. 0.00 min

Lab File: VF061406.D

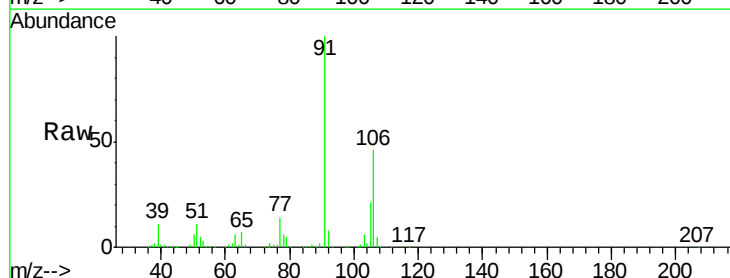
Acq: 15 Jan 2019 14:59

Tgt Ion: 106 Resp: 162950

Ion Ratio Lower Upper

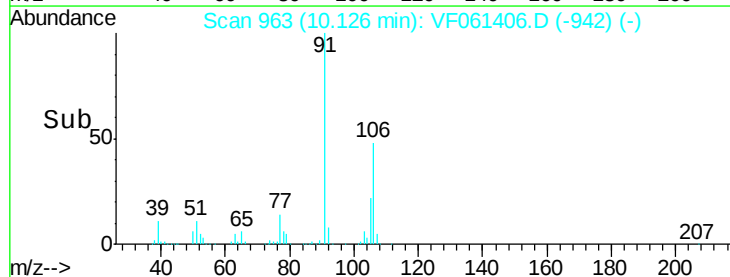
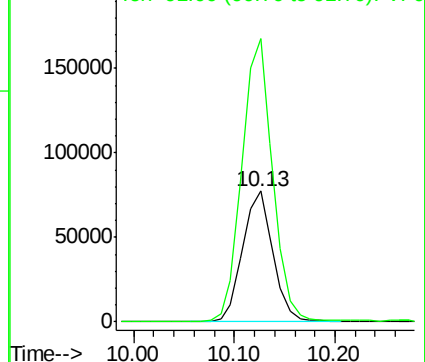
106 100

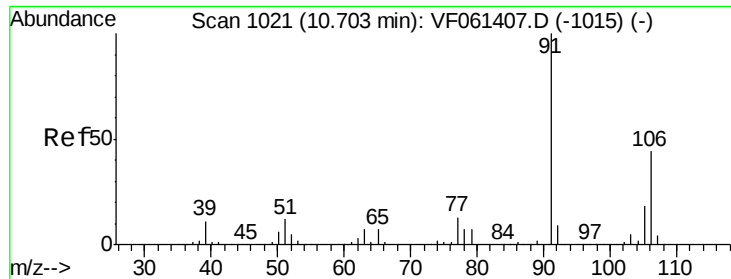
91 216.1 166.2 249.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





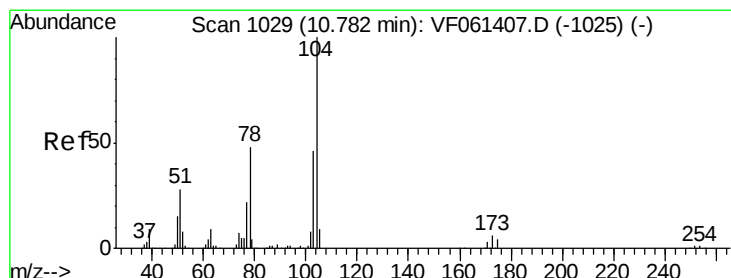
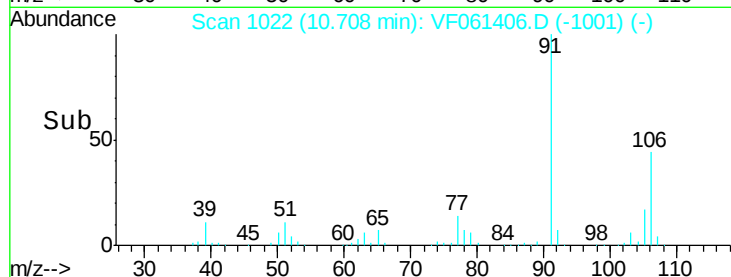
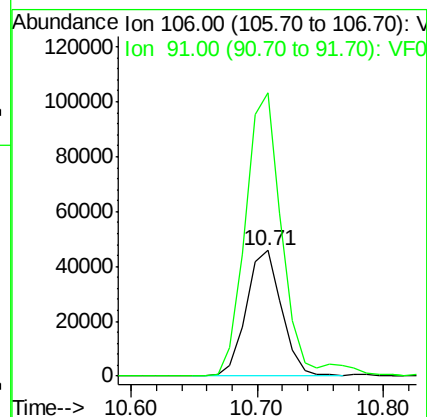
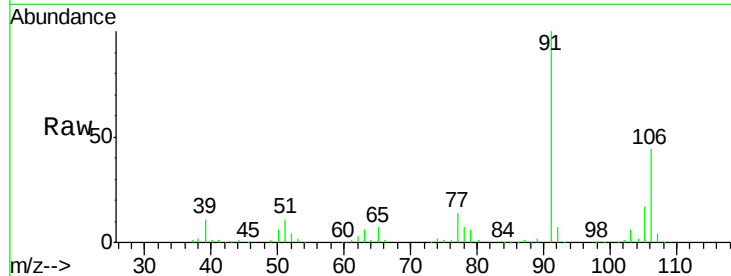
#69
o-Xylene
Concen: 19.718 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. 0.00 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 89248
Ion Ratio Lower Upper
106 100
91 225.8 113.3 339.8

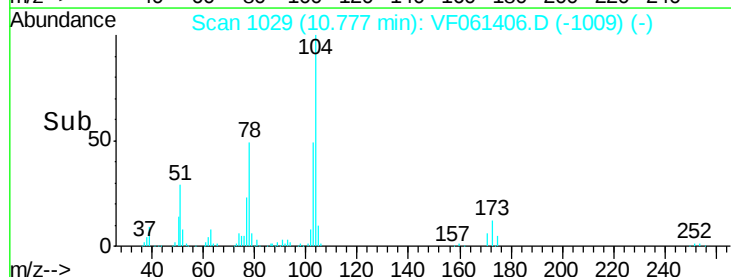
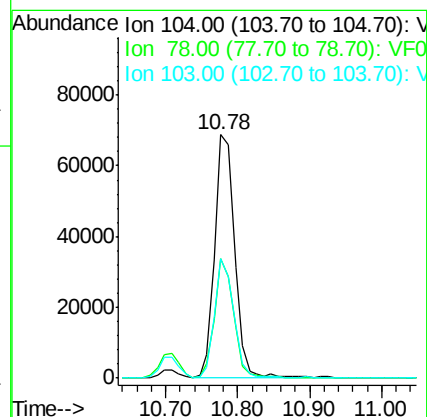
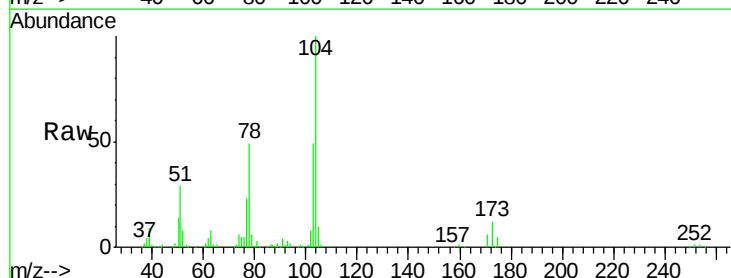
Manual Integrations
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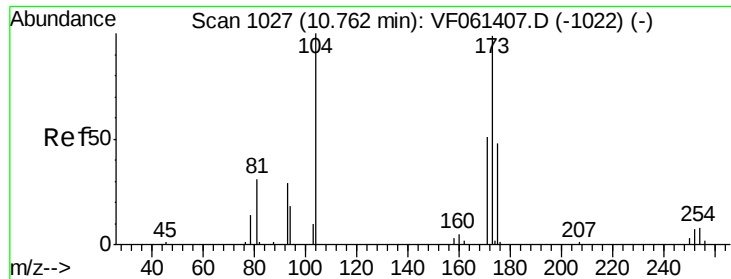
apatel
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#70
Styrene
Concen: 20.918 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

Tgt Ion:104 Resp: 131412
Ion Ratio Lower Upper
104 100
78 49.0 38.8 58.2
103 48.8 37.0 55.6





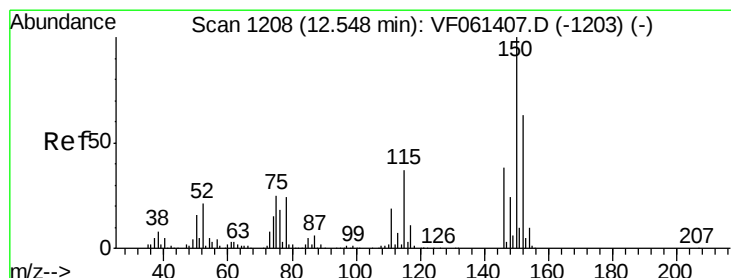
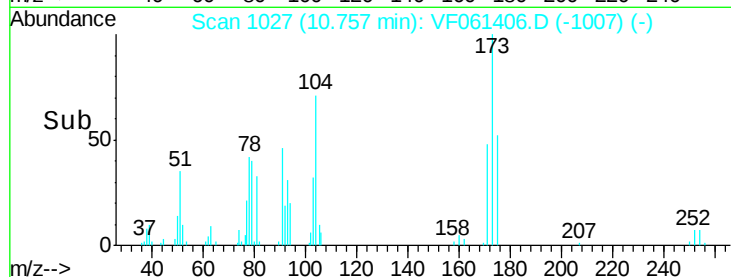
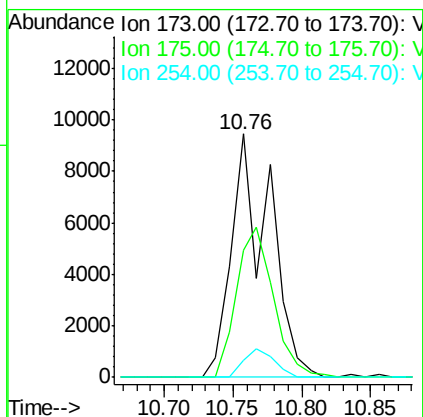
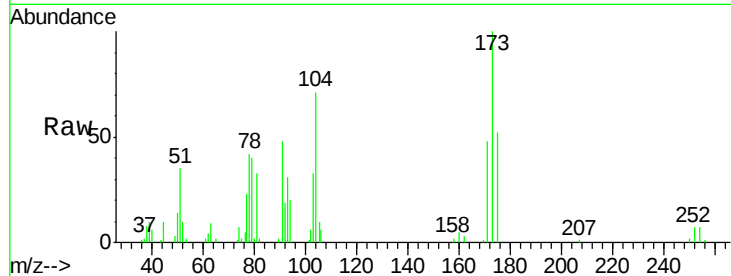
#71
Bromoform
Concen: 16.916 ug/l
RT: 10.76 min Scan# 1027
Delta R.T. -0.01 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	52.0	24.1	72.4
254	6.9	0.0	0.0#

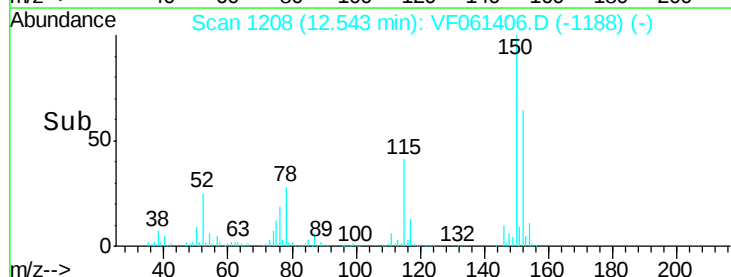
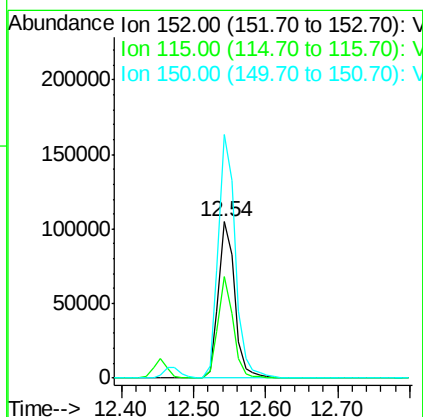
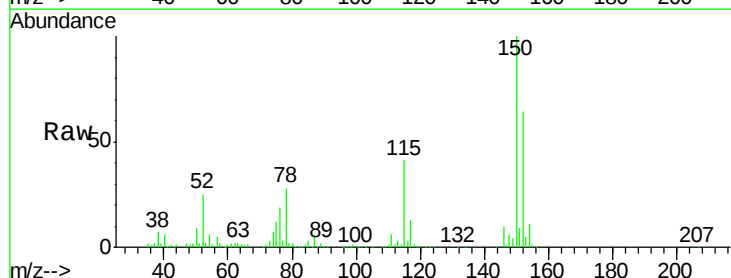
Manual Integrations
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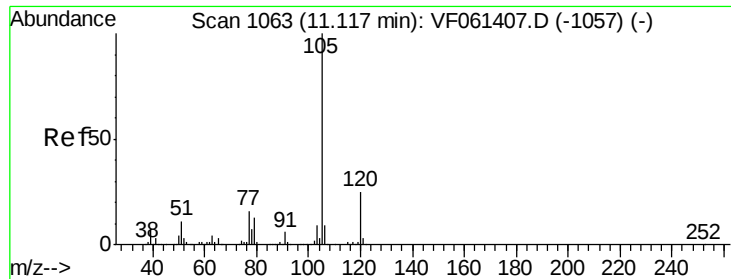
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.6	30.0	90.0
150	155.8	0.0	321.4





#73

Isopropylbenzene

Concen: 19.816 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 284115

Ion Ratio Lower Upper

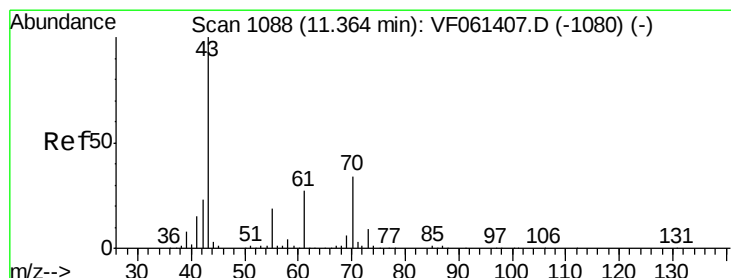
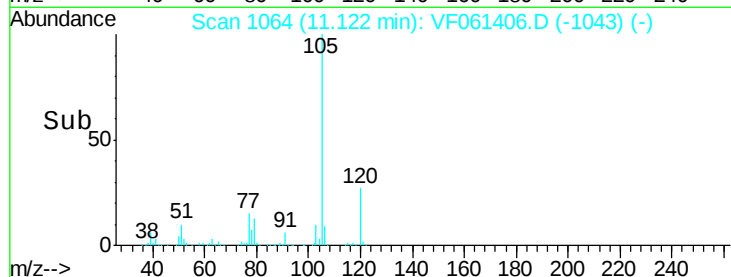
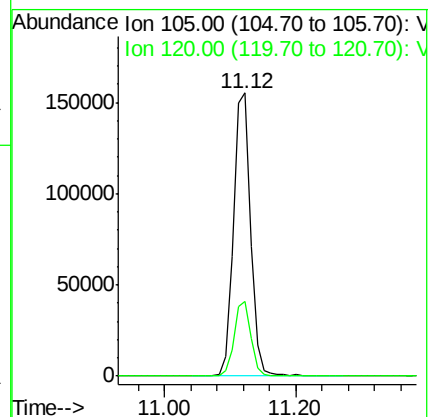
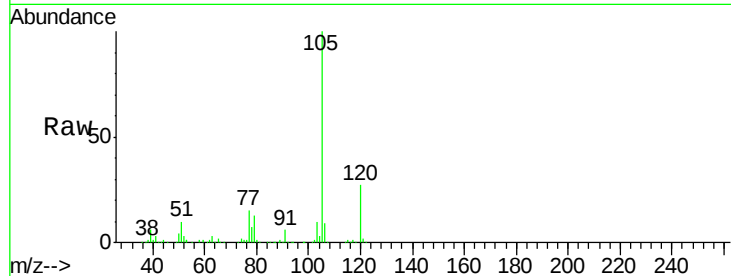
105 100

120 26.6 12.6 37.8

Manual Integrations
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#74

N-ethyl acetate

Concen: 21.172 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Tgt Ion: 43 Resp: 69719

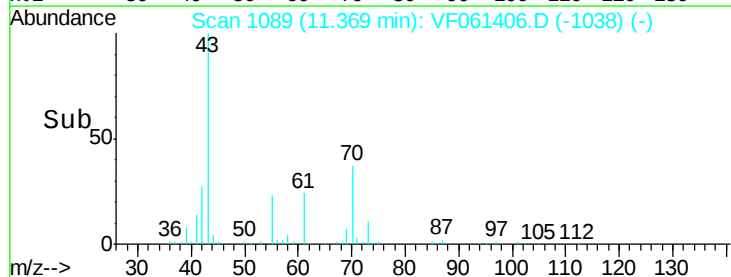
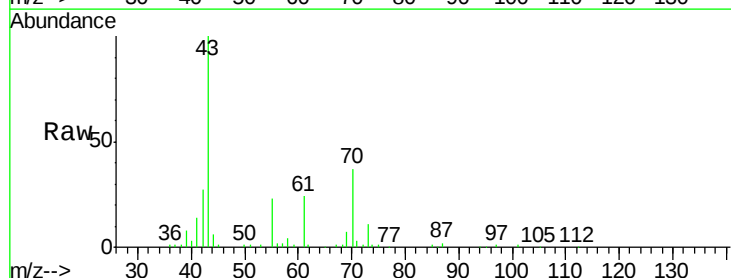
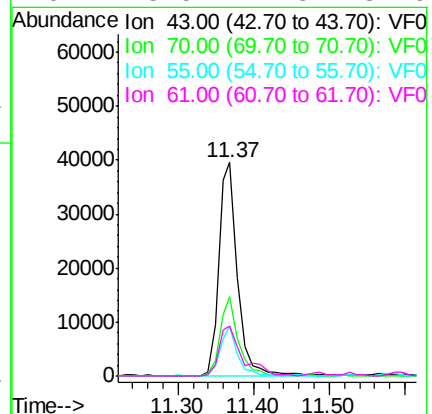
Ion Ratio Lower Upper

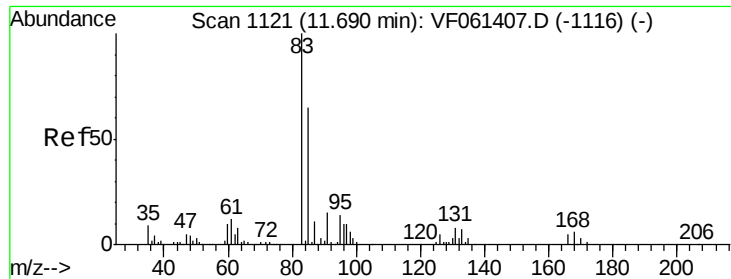
43 100

70 36.9 27.6 41.4

55 23.4 15.4 23.2#

61 23.5 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.249 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

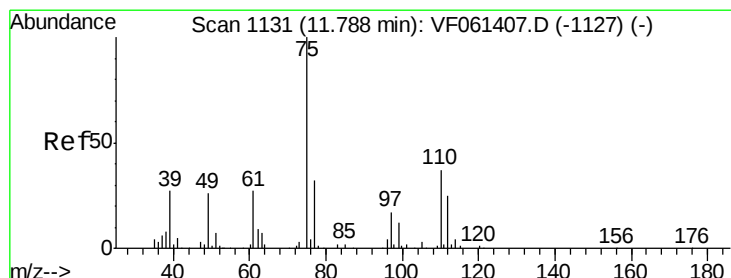
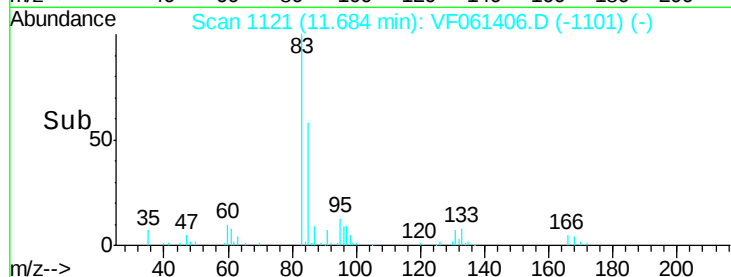
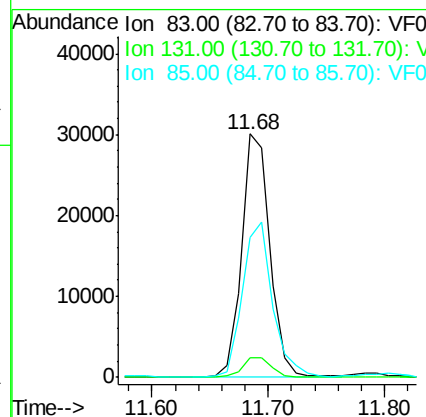
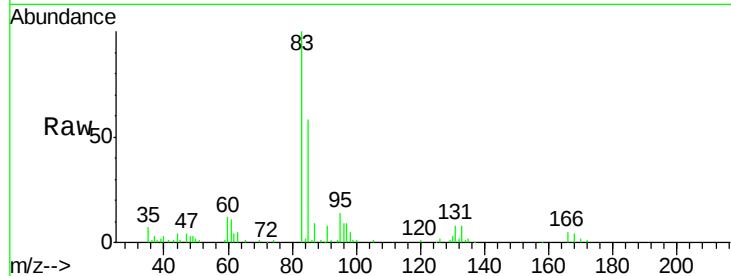
ClientSampleId :

VSTDIC020

Tot Ion	83	Resp	50492
Ion Ratio	100	Lower	Upper
83	100		
131	7.8	4.0	12.2
85	57.5	32.7	98.1

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#76

1,2,3-Trichloropropane

Concen: 19.439 ug/l

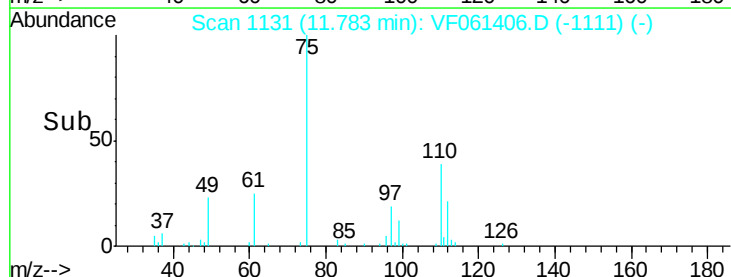
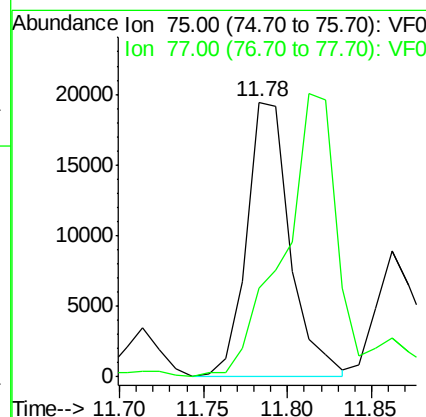
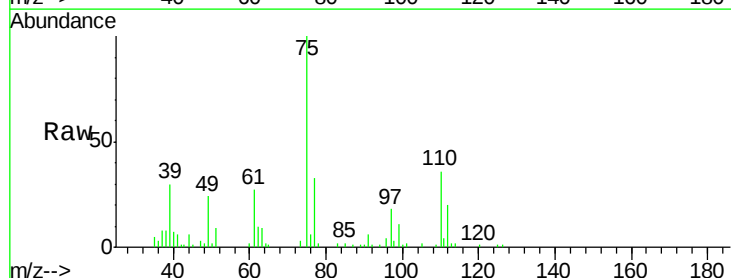
RT: 11.78 min Scan# 1131

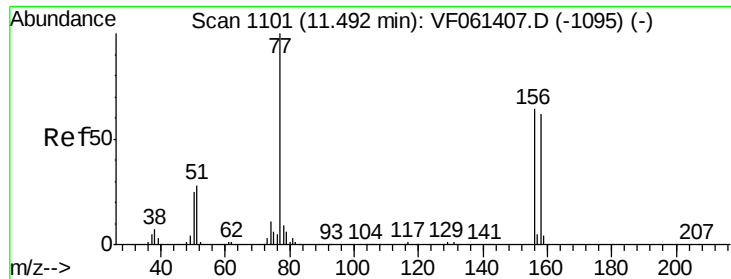
Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Tgt Ion	75	Resp	34843
Ion Ratio	100	Lower	Upper
75	100		
77	32.5	16.1	48.3





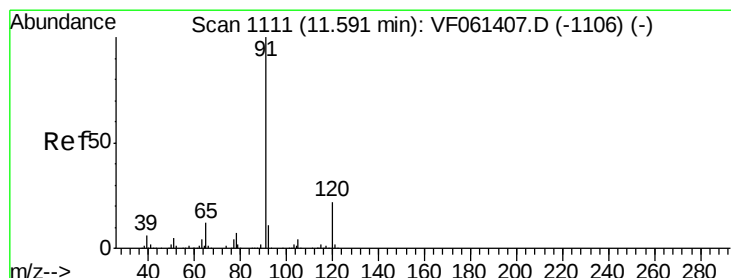
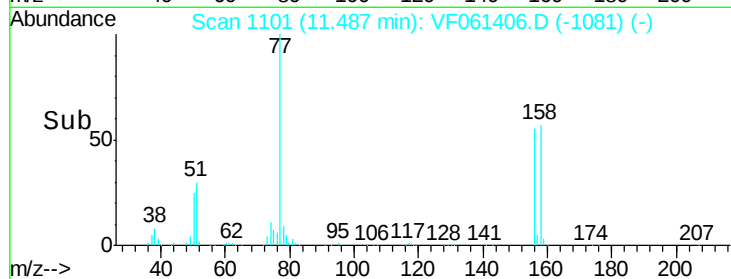
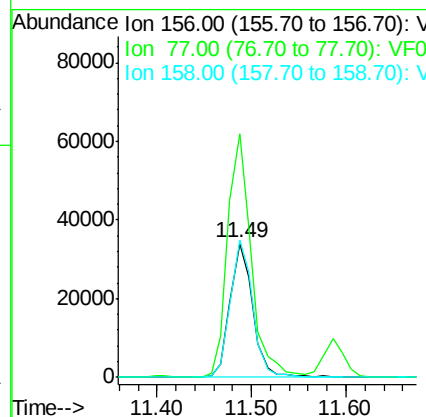
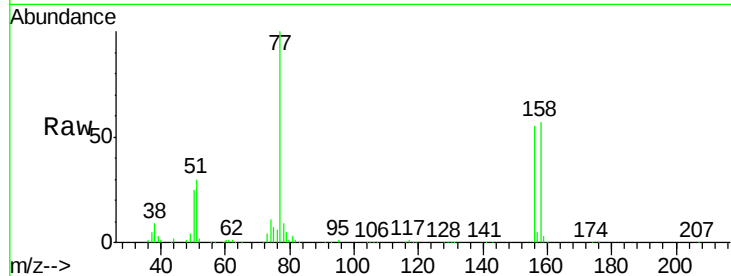
#77
Bromobenzene
Concen: 19.482 ug/l
RT: 11.49 min Scan# 1101
Delta R.T. -0.01 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	181.6	78.3	234.9
158	102.7	48.9	146.7

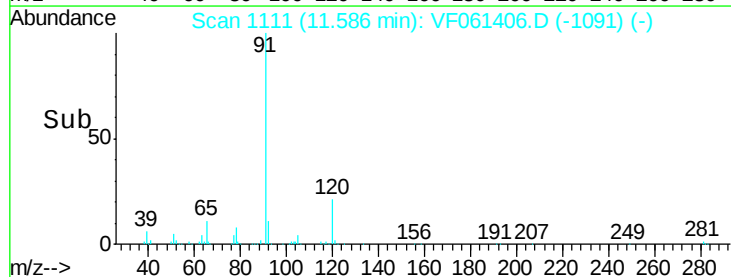
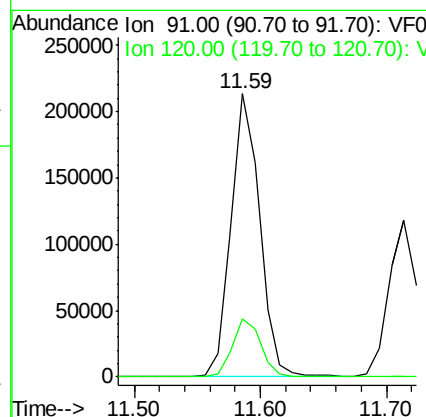
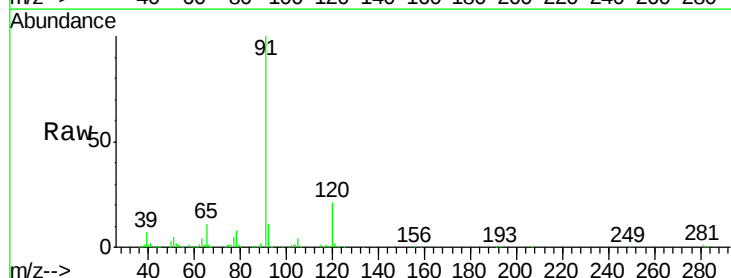
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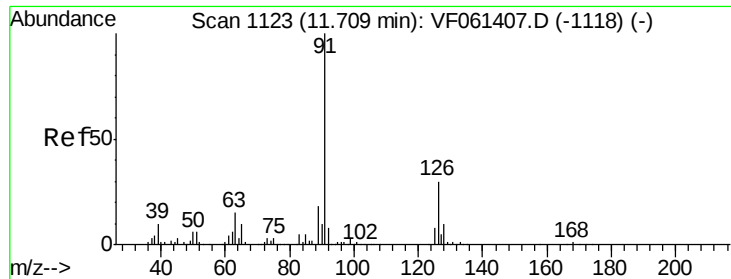
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#78
n-propylbenzene
Concen: 19.180 ug/l
RT: 11.59 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.6	10.9	32.6





#79

2-Chlorotoluene

Concen: 18.802 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 186635

Ion Ratio Lower Upper

91 100

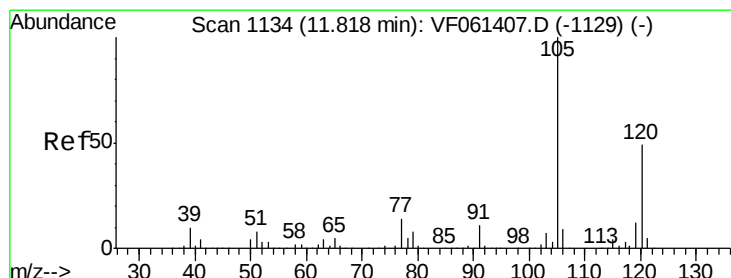
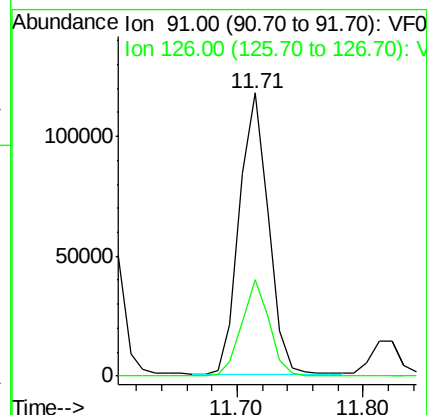
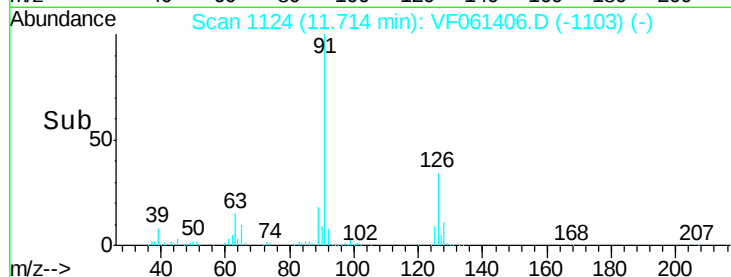
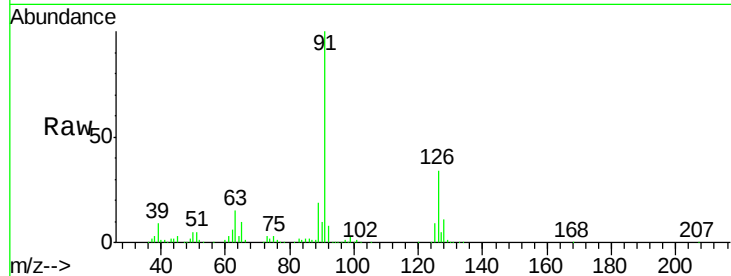
126 34.0 15.0 45.1

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#80

1,3,5-Trimethylbenzene

Concen: 19.876 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VF061406.D

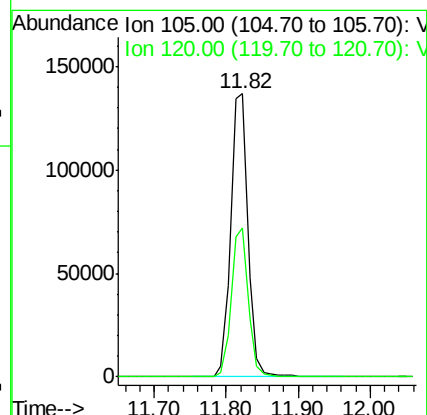
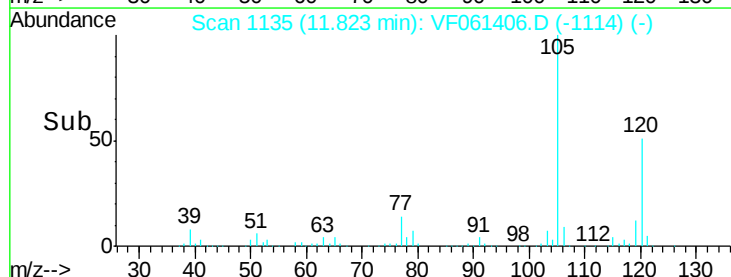
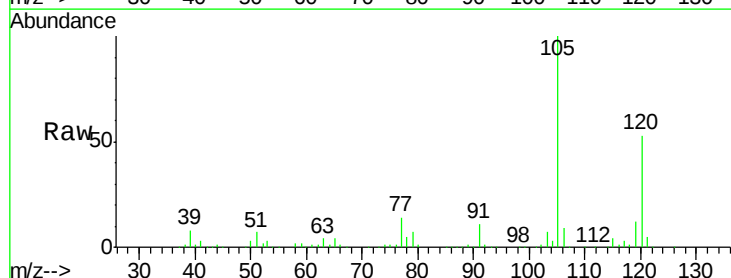
Acq: 15 Jan 2019 14:59

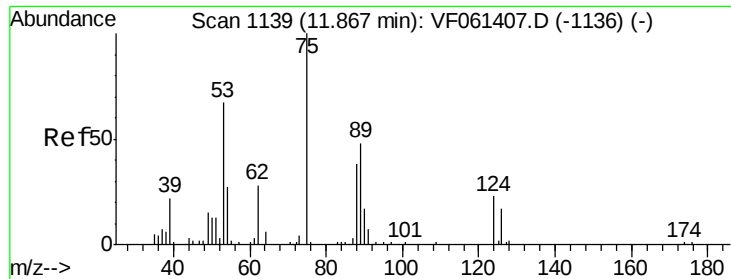
Tgt Ion: 105 Resp: 227478

Ion Ratio Lower Upper

105 100

120 52.5 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 15.564 ug/l m

RT: 11.86 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

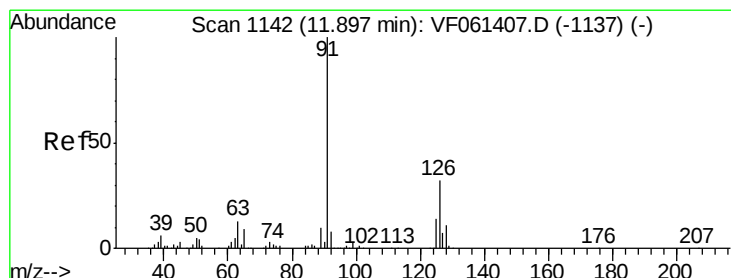
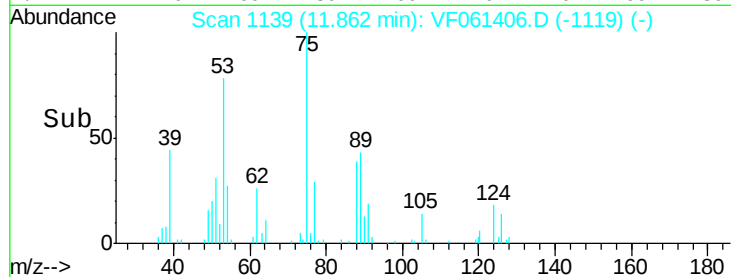
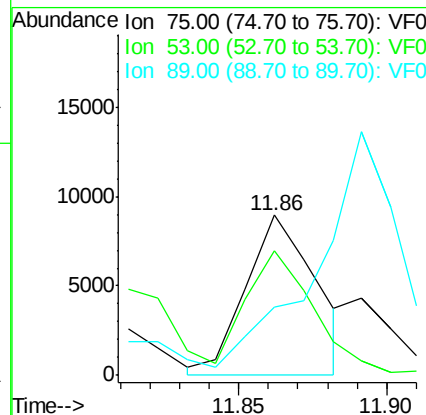
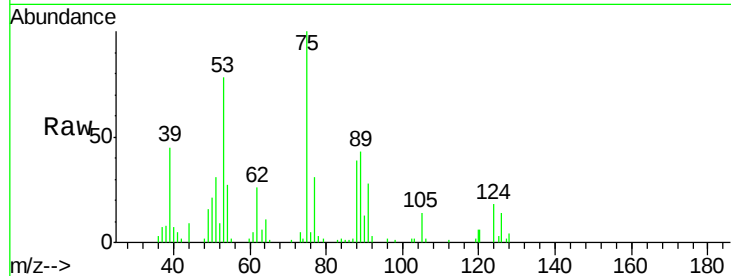
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	14719
Ion	Ratio	Lower	Upper
75	100		
53	77.6	57.8	86.6
89	42.8	40.7	61.1

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#82

4-Chlorotoluene

Concen: 19.275 ug/l

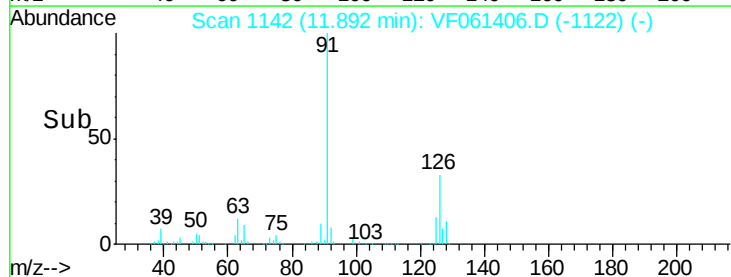
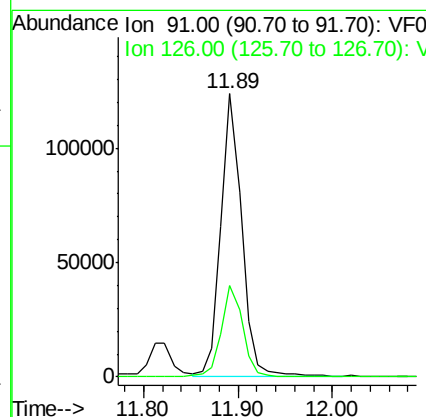
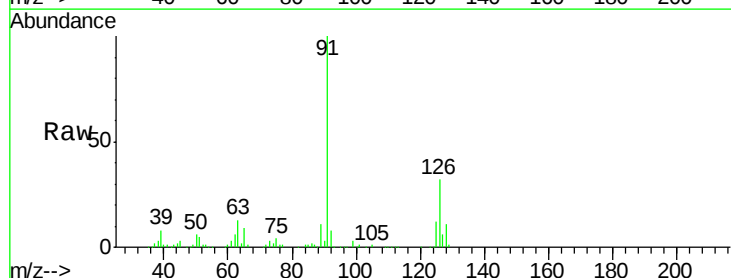
RT: 11.89 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Tgt Ion:	91	Resp:	189504
Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.0	47.9





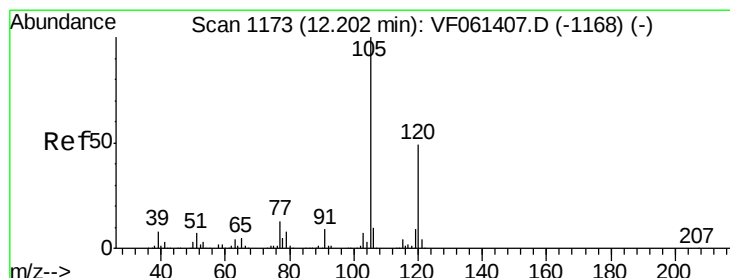
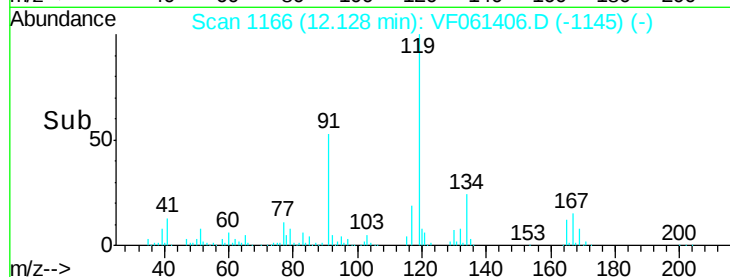
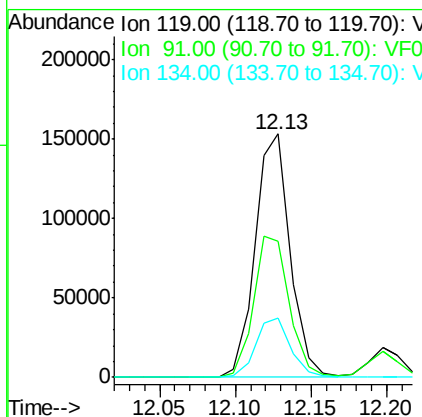
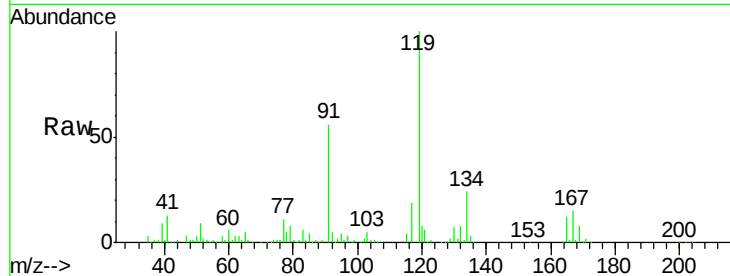
#83
tert-Butylbenzene
Concen: 20.678 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. 0.00 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	246082		
91	55.9	31.3	93.8	
134	24.4	12.4	37.0	

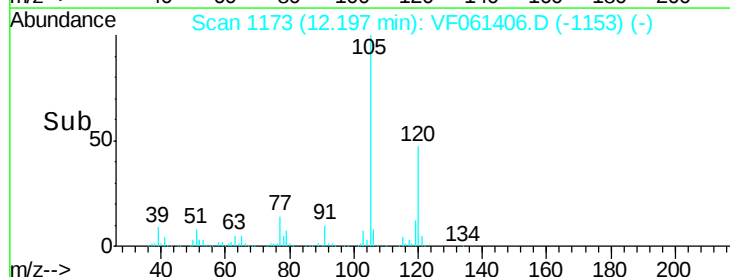
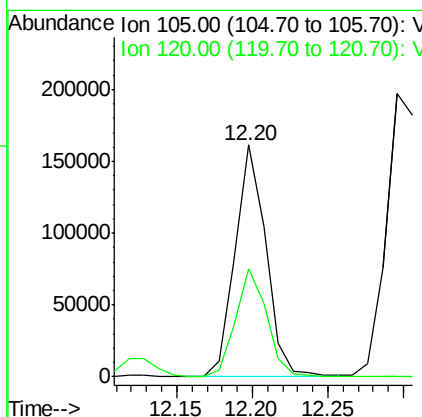
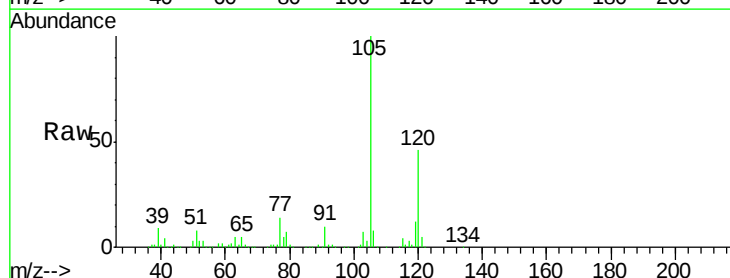
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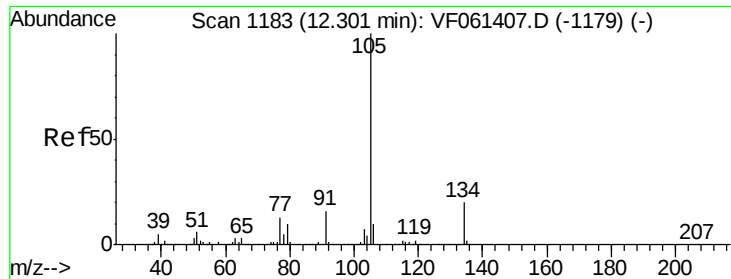
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#84
1,2,4-Trimethylbenzene
Concen: 19.399 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.01 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	229665		
120	46.5	24.9	74.6	





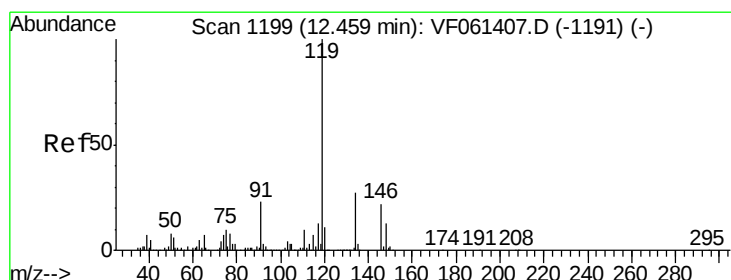
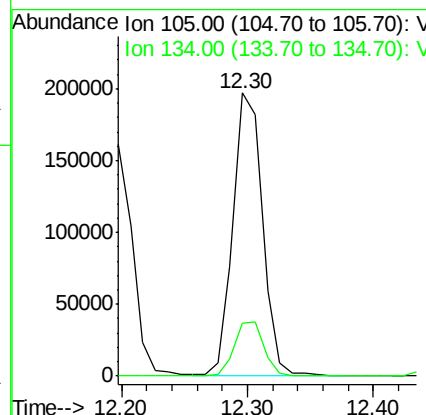
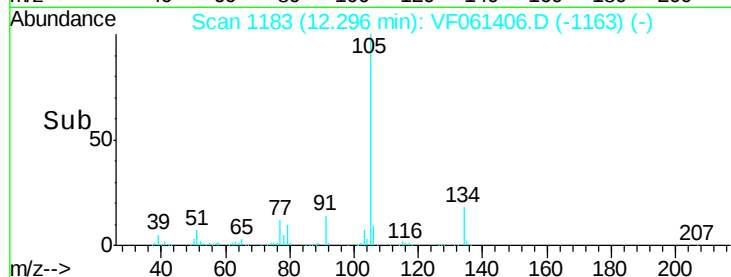
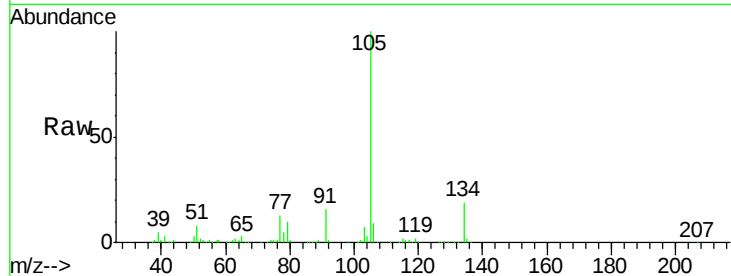
#85
 sec-Butylbenzene
 Concen: 19.627 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: VF061406.D
 Acq: 15 Jan 2019 14:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.7	10.0	30.0

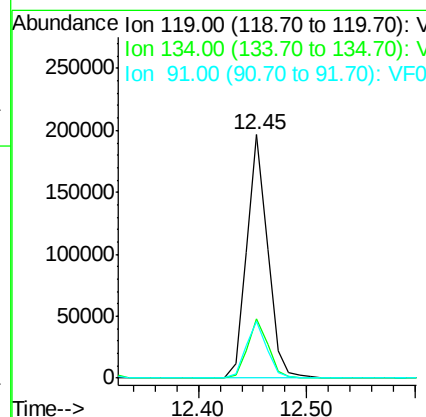
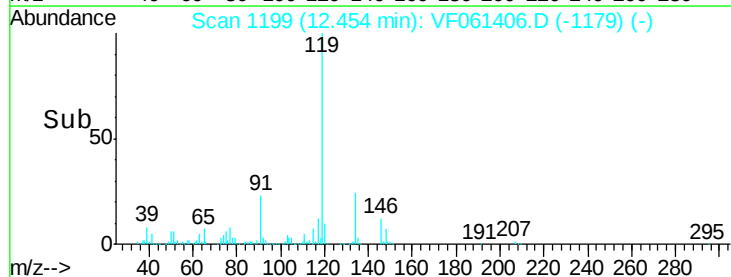
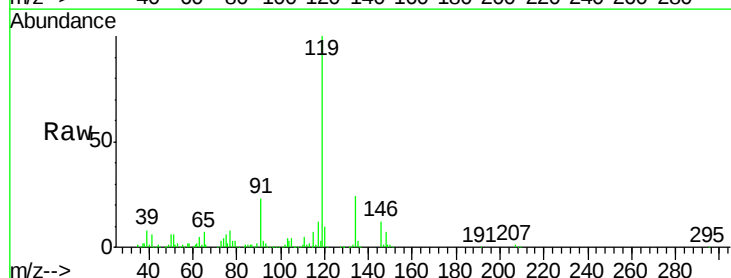
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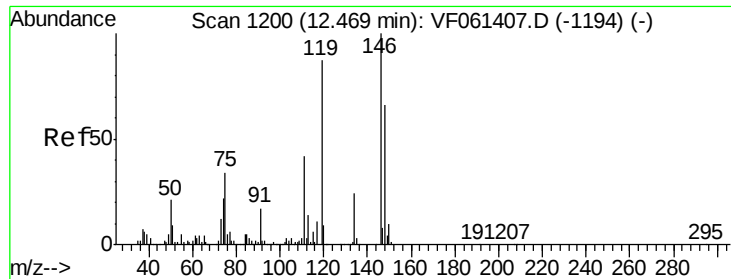
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#86
 p-Isopropyltoluene
 Concen: 19.586 ug/l
 RT: 12.45 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: VF061406.D
 Acq: 15 Jan 2019 14:59

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.4	13.4	40.2
91	23.5	11.4	34.2





#87

1,3-Dichlorobenzene

Concen: 18.895 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

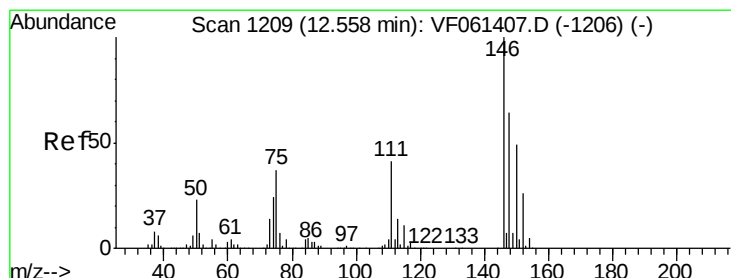
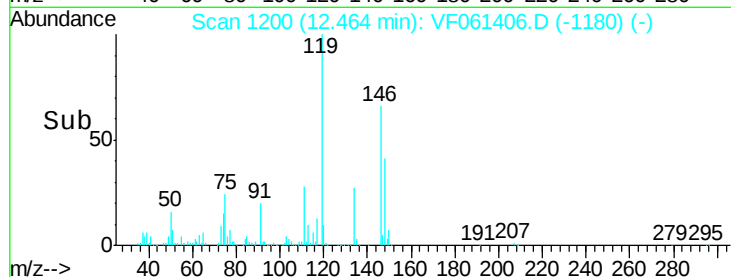
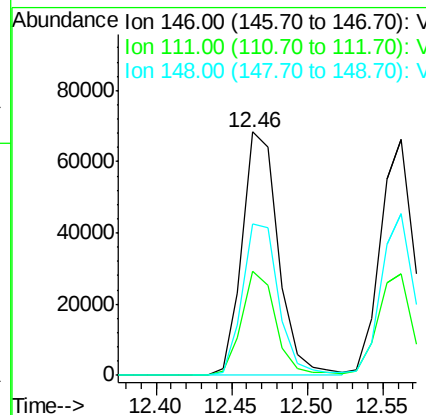
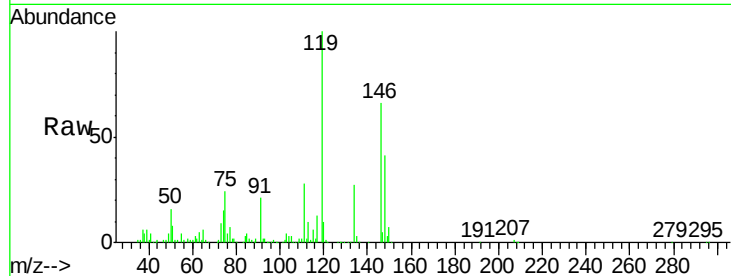
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	113675
Ion Ratio	Lower	Upper	
146	100		
111	43.0	21.1	63.4
148	62.2	32.9	98.6

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#88

1,4-Dichlorobenzene

Concen: 19.444 ug/l

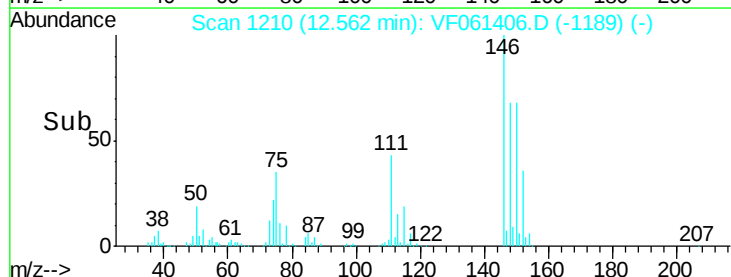
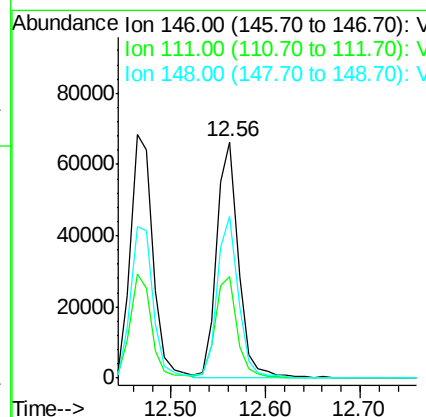
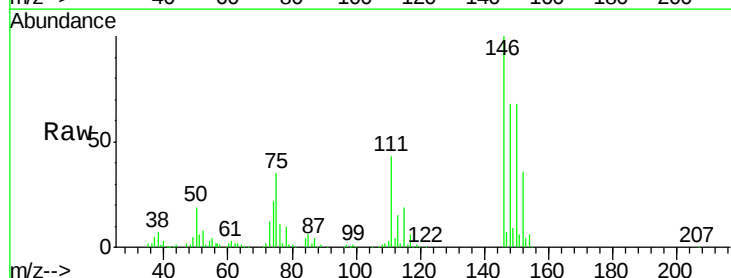
RT: 12.56 min Scan# 1210

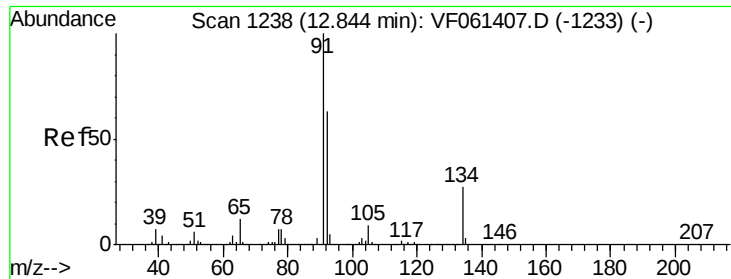
Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Tgt Ion:	146	Resp:	107161
Ion Ratio	Lower	Upper	
146	100		
111	43.2	20.8	62.2
148	68.5	32.1	96.5





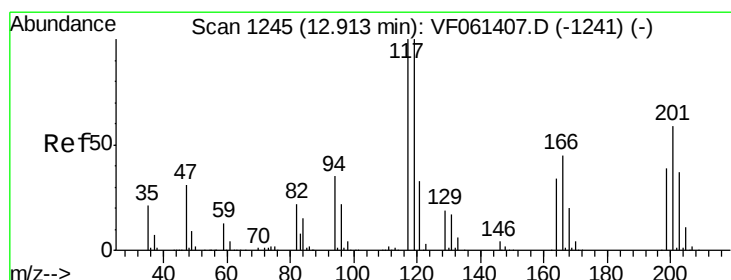
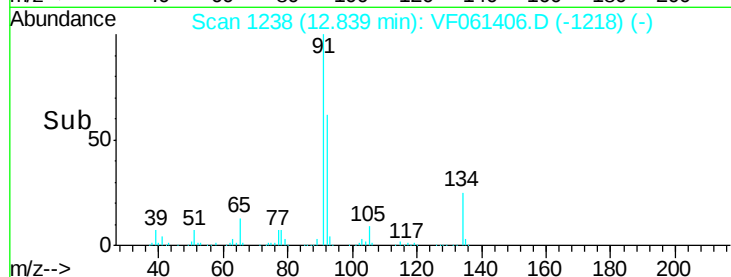
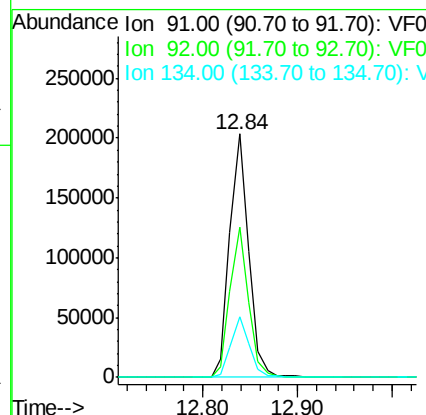
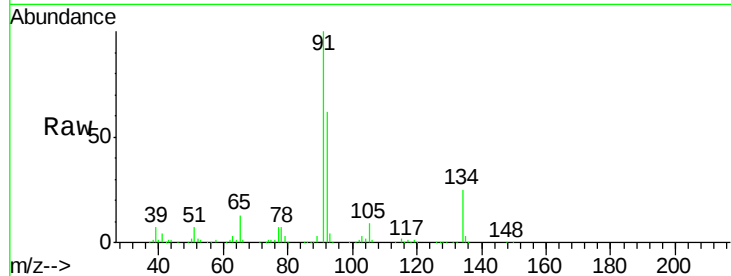
#89
n-Butylbenzene
Concen: 20.333 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

Instrument :
MSVOA_F
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	283169		
92	61.7		31.6	94.7
134	25.1		13.6	40.8

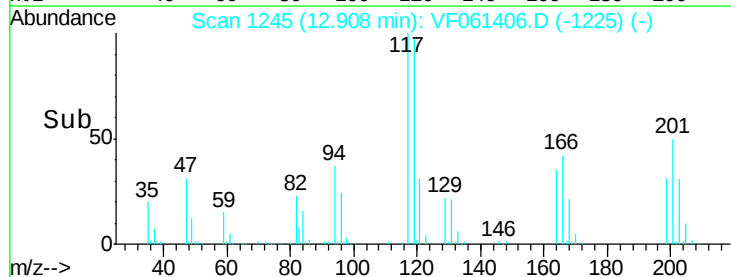
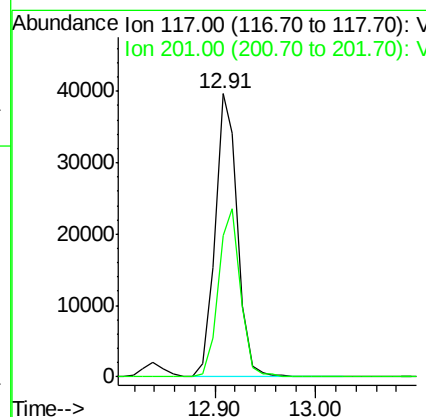
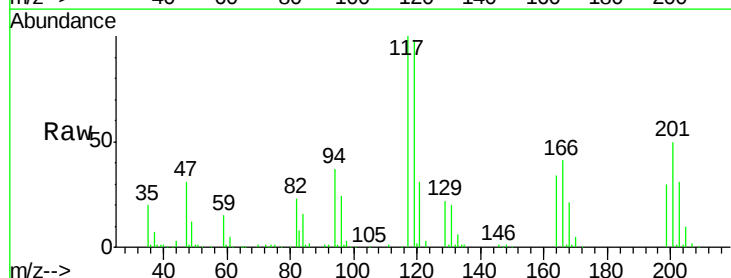
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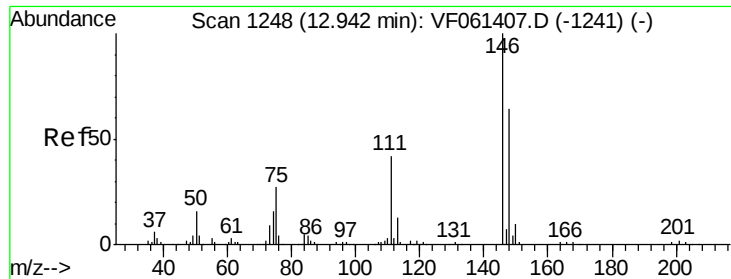
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#90
Hexachloroethane
Concen: 20.644 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.01 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	61401		
201	50.1		29.3	87.8





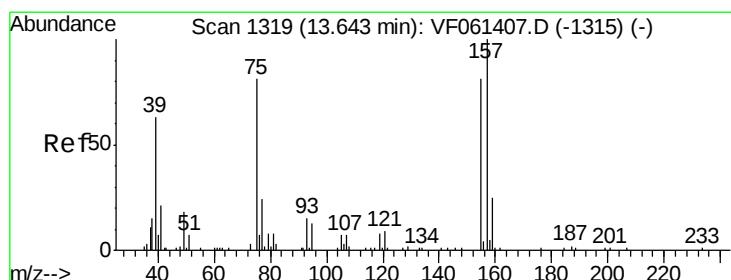
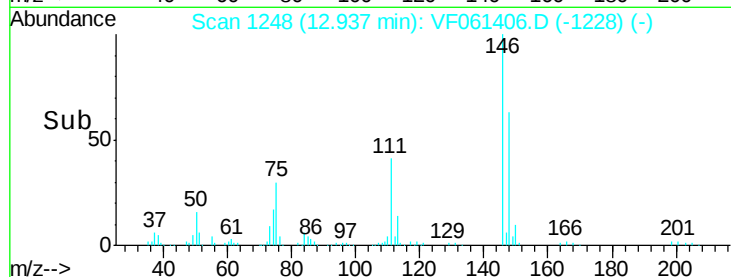
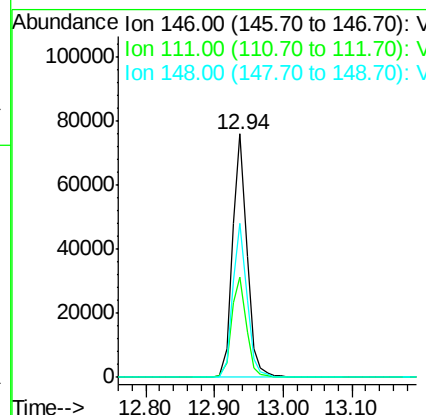
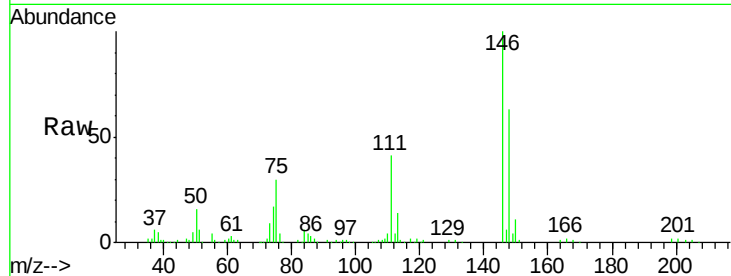
#91
 1,2-Dichlorobenzene
 Concen: 19.715 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: VF061406.D
 Acq: 15 Jan 2019 14:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.1	63.3
148	63.1	31.9	95.7

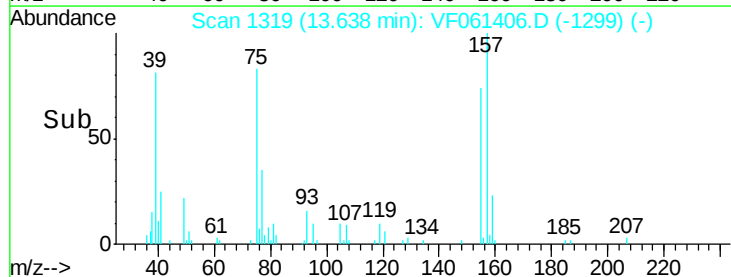
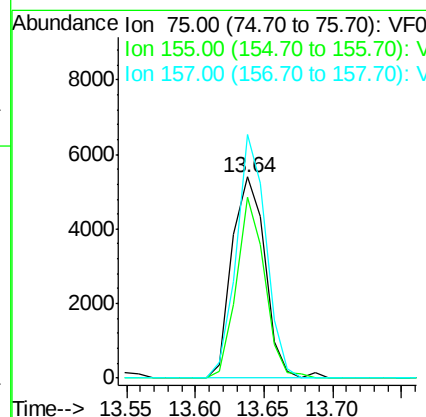
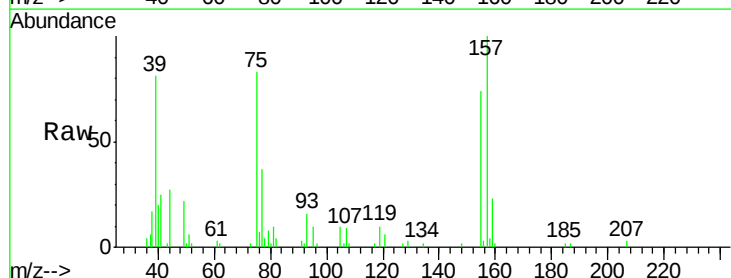
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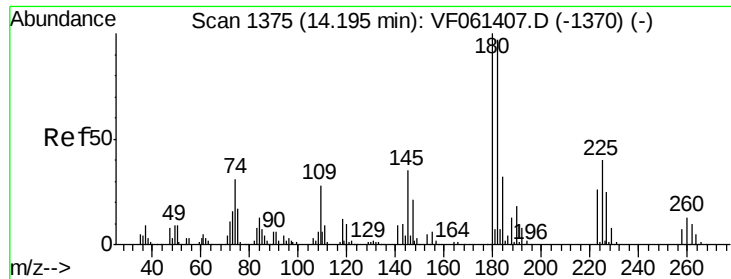
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.408 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VF061406.D
 Acq: 15 Jan 2019 14:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.1	49.7	149.1
157	121.1	61.4	184.1





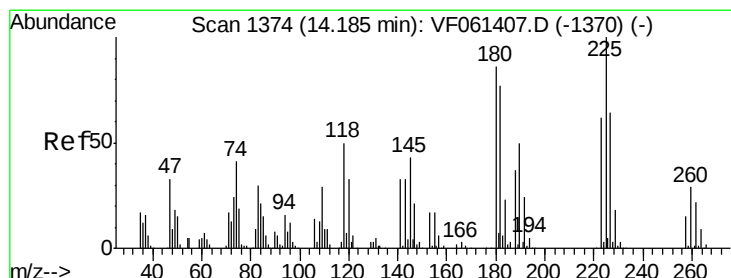
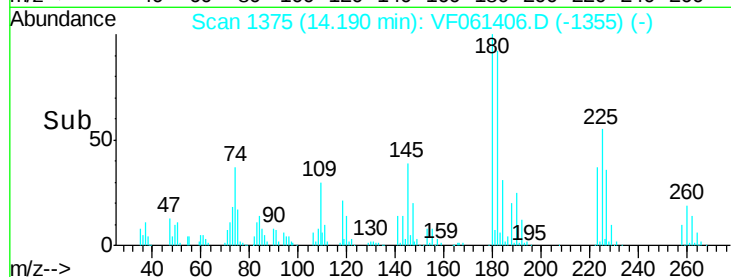
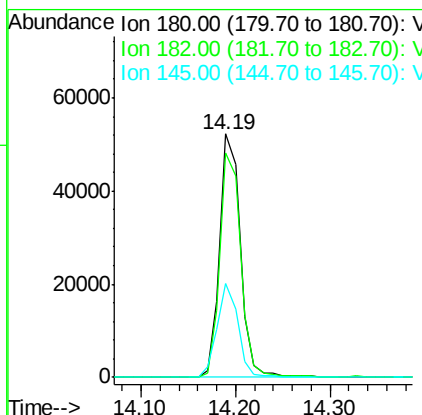
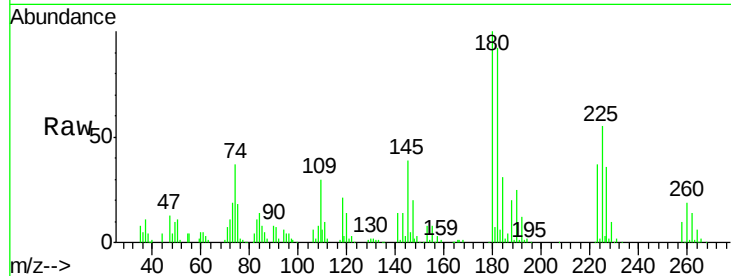
#93
 1,2,4-Trichlorobenzene
 Concen: 20.418 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF061406.D
 Acq: 15 Jan 2019 14:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	79887		
182	92.2	48.5	145.6	
145	38.6	17.5	52.6	

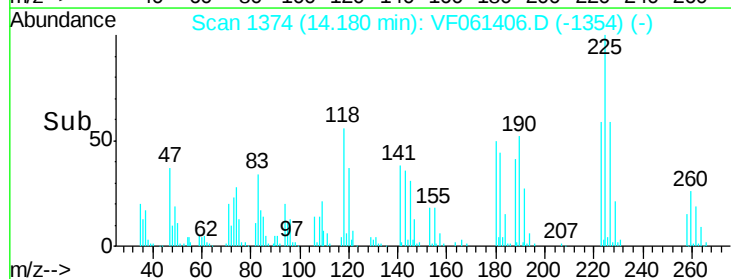
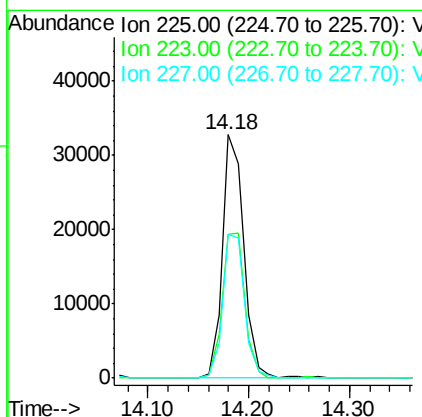
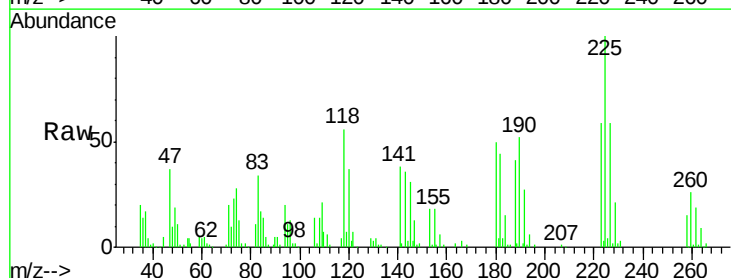
Manual Integrations
 APPROVED

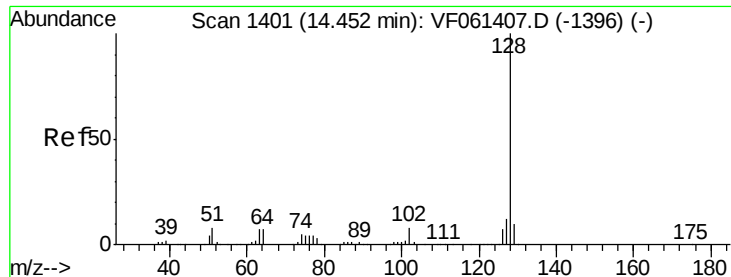
apatel
 1/16/2019 4:05:35 PM



#94
 Hexachlorobutadiene
 Concen: 20.457 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF061406.D
 Acq: 15 Jan 2019 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	48466		
223	58.9	31.1	93.2	
227	59.3	32.2	96.6	





#95

Naphthalene

Concen: 21.033 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

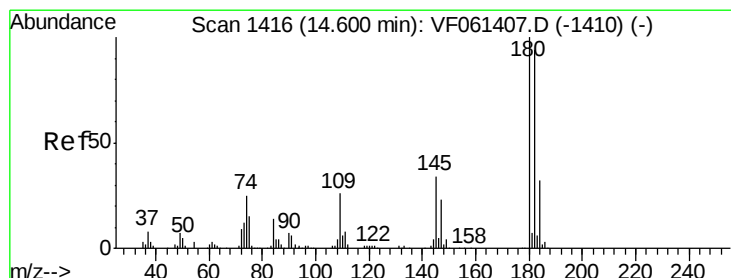
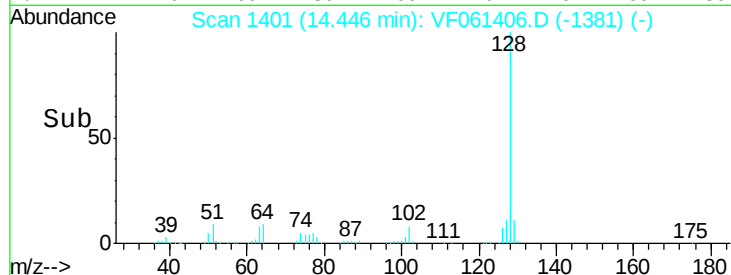
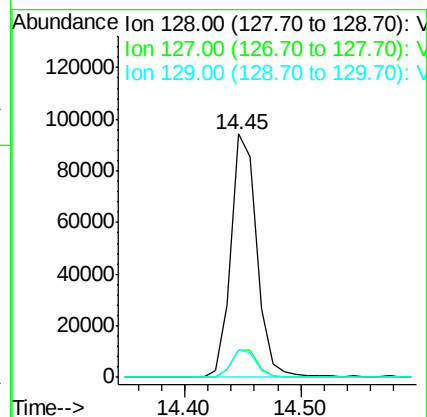
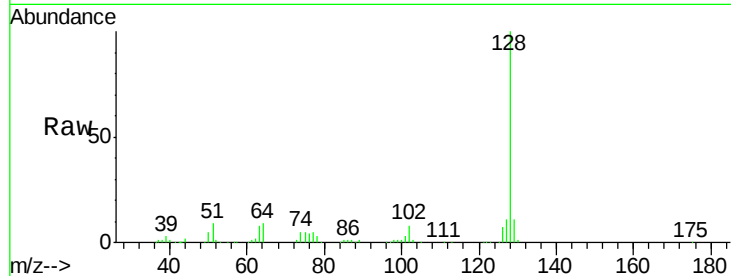
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	146480
Ion Ratio	Lower	Upper	
128	100		
127	11.3	9.5	14.3
129	11.1	8.4	12.6

Manual Integrations
APPROVED

apatel
1/16/2019 4:05:35 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.094 ug/l

RT: 14.59 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Tgt Ion:	180	Resp:	74132
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.0	141.2
145	34.8	17.1	51.2

