

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012519\
 Data File : VF061517.D
 Acq On : 25 Jan 2019 13:13
 Operator : VA/AP
 Sample : VF01251SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF01251SBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/28/2019 12:48:07 PM

Quant Time: Jan 28 00:39:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	179949	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	334454	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	308499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	152477	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	111659	50.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.52%	
35) Dibromofluoromethane	4.12	113	127055	48.14	ug/l	0.02
Spiked Amount 50.000			Recovery	=	96.28%	
50) Toluene-d8	7.55	98	332727	46.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.04%	
62) 4-Bromofluorobenzene	11.41	95	158116	46.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.60%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.95	85	67435	19.072	ug/l	85
3) Chloromethane	1.09	50	54479	21.014	ug/l	95
4) Vinyl Chloride	1.13	62	48098	20.856	ug/l	93
5) Bromomethane	1.34	94	30329	20.168	ug/l	100
6) Chloroethane	1.38	64	20574	20.133	ug/l	98
7) Trichlorofluoromethane	1.48	101	82389	18.377	ug/l	97
8) Diethyl Ether	1.63	74	11444	19.921	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.83	101	43829	20.346	ug/l	92
10) Methyl Iodide	1.90	142	67003m	20.063	ug/l	
11) Tert butyl alcohol	2.57	59	10240	108.889	ug/l #	91
12) 1,1-Dichloroethene	1.79	96	33240	20.769	ug/l	86
13) Acrolein	2.01	56	6556	87.927	ug/l	92
14) Allyl chloride	2.10	41	48636	26.335	ug/l	89
15) Acrylonitrile	2.95	53	25468	105.727	ug/l	88
16) Acetone	2.24	43	55863	125.338	ug/l	99
17) Carbon Disulfide	1.82	76	99085m	19.855	ug/l	
18) Methyl Acetate	2.34	43	20147	22.794	ug/l #	91
19) Methyl tert-butyl Ether	2.43	73	68636	19.130	ug/l	94
20) Methylene Chloride	2.25	84	41947m	26.914	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	35991	20.439	ug/l	92
22) Diisopropyl ether	2.80	45	119619	21.002	ug/l	97
23) Vinyl Acetate	3.19	43	290134	117.529	ug/l	97
24) 1,1-Dichloroethane	2.87	63	71189	19.915	ug/l	97
25) 2-Butanone	4.34	43	90580	122.211	ug/l	99
26) 2,2-Dichloropropane	3.60	77	43373	19.749	ug/l	97
27) cis-1,2-Dichloroethene	3.47	96	56029	21.555	ug/l	98
28) Bromochloromethane	3.72	49	35924	22.357	ug/l #	98
29) Tetrahydrofuran	4.08	42	36370	113.960	ug/l	97
30) Chloroform	3.86	83	104066	21.572	ug/l	100
31) Cyclohexane	3.69	56	78650m	22.026	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	71904	20.327	ug/l	96
36) 1,1-Dichloropropene	4.28	75	74436	19.195	ug/l	96
37) Ethyl Acetate	4.11	43	34622	22.335	ug/l	85
38) Carbon Tetrachloride	3.99	117	61985	18.284	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	79554	18.930	ug/l	98
40) Benzene	4.63	78	179220	20.770	ug/l	100
41) Methacrylonitrile	4.74	41	17546	21.273	ug/l	91
42) 1,2-Dichloroethane	4.95	62	61995	20.162	ug/l	98
43) Isopropyl Acetate	6.96	43	40024	20.573	ug/l #	90
44) Trichloroethene	5.51	130	56441	21.322	ug/l	92
45) 1,2-Dichloropropane	6.24	63	44721	19.747	ug/l	98
46) Dibromomethane	6.08	93	29359	19.496	ug/l	96
47) Bromodichloromethane	6.39	83	76917	20.644	ug/l	99
48) Methyl methacrylate	6.71	41	27240	20.851	ug/l	95
49) 1,4-Dioxane	6.71	88	4265	427.994	ug/l	92
51) 4-Methyl-2-Pentanone	8.26	43	152078	106.331	ug/l	98
52) Toluene	7.62	92	114179	20.093	ug/l	95
53) t-1,3-Dichloropropene	8.28	75	61519	20.794	ug/l	95
54) cis-1,3-Dichloropropene	7.31	75	74717	20.204	ug/l	97
55) 1,1,2-Trichloroethane	8.49	97	33923	21.023	ug/l	93
56) Ethyl methacrylate	8.62	69	39941	21.275	ug/l	95
57) 1,3-Dichloropropane	8.86	76	59871	19.795	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.30	63	33619	179.494	ug/l	99
59) 2-Hexanone	9.50	43	122713	123.042	ug/l	98
60) Dibromochloromethane	8.72	129	45564	19.315	ug/l	96
61) 1,2-Dibromoethane	8.99	107	35730	19.342	ug/l	94
64) Tetrachloroethene	8.16	164	42346	18.253	ug/l	92
65) Chlorobenzene	9.80	112	128502	20.483	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.93	131	50348	20.146	ug/l	96
67) Ethyl Benzene	9.90	91	235831	20.575	ug/l	100
68) m/p-Xylenes	10.14	106	166180	40.310	ug/l	98
69) o-Xylene	10.71	106	84788	18.976	ug/l	98
70) Styrene	10.79	104	127414	20.833	ug/l	95
71) Bromoform	10.78	173	23348	20.793	ug/l #	97
73) Isopropylbenzene	11.12	105	261092	21.054	ug/l	100
74) N-amyl acetate	11.37	43	70780	24.137	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.70	83	47341	21.429	ug/l	97
76) 1,2,3-Trichloropropane	11.79	75	33185	20.905	ug/l	95
77) Bromobenzene	11.50	156	54521	20.817	ug/l	93
78) n-propylbenzene	11.60	91	317136	19.612	ug/l	100
79) 2-Chlorotoluene	11.72	91	180786	21.011	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	209329	20.916	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	16995m	24.628	ug/l	
82) 4-Chlorotoluene	11.90	91	182373	21.004	ug/l	96
83) tert-Butylbenzene	12.13	119	224473	21.670	ug/l	97
84) 1,2,4-Trimethylbenzene	12.21	105	210839	20.452	ug/l	95
85) sec-Butylbenzene	12.31	105	298400	21.213	ug/l	94
86) p-Isopropyltoluene	12.47	119	251945	21.818	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	110739	20.127	ug/l	99
88) 1,4-Dichlorobenzene	12.56	146	101851	20.580	ug/l	99
89) n-Butylbenzene	12.85	91	268418	22.539	ug/l	97
90) Hexachloroethane	12.92	117	60454	22.209	ug/l	92
91) 1,2-Dichlorobenzene	12.94	146	104255	21.279	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.64	75	8083	20.628	ug/l	60

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	68552	19.974	ug/l	97
94) Hexachlorobutadiene	14.19	225	42068	19.753	ug/l	96
95) Naphthalene	14.46	128	131222	20.124	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	62480	19.666	ug/l	97

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

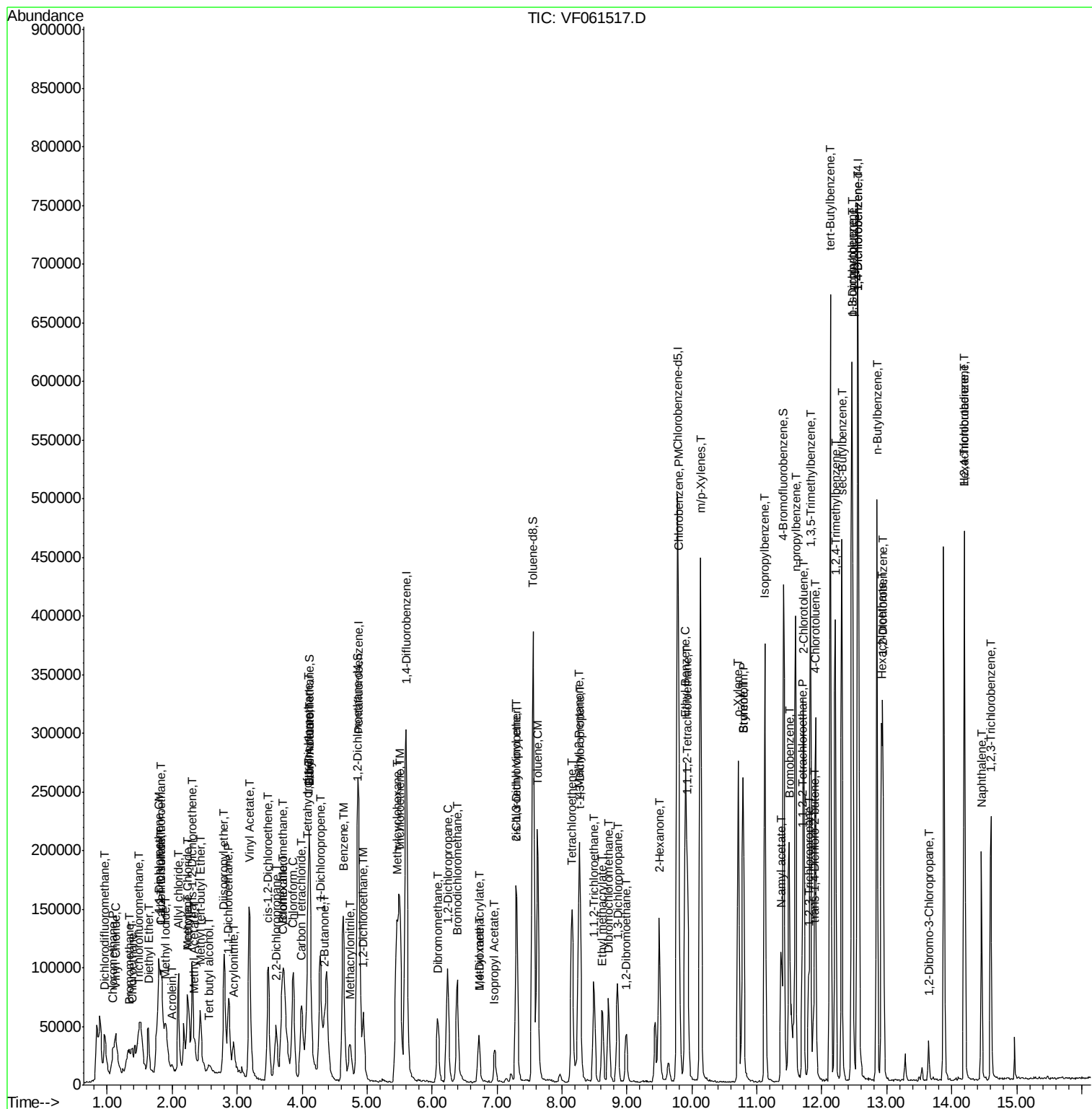
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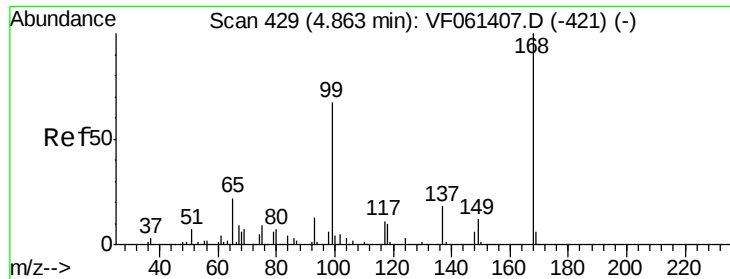
Instrument :
MSVOA_F
ClientSampleId :
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

VF01251SBS01

Tot Ion:168 Resp: 179949

Ion Ratio Lower Upper

168 100

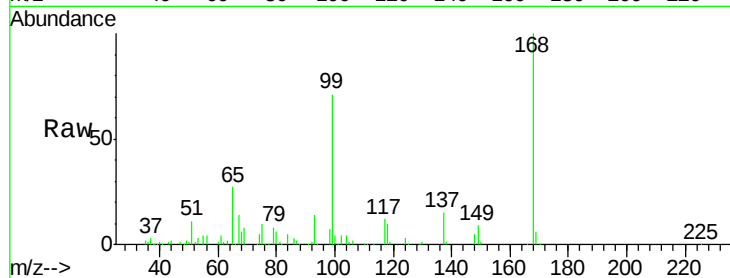
99 71.4 53.5 80.3

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

4.87

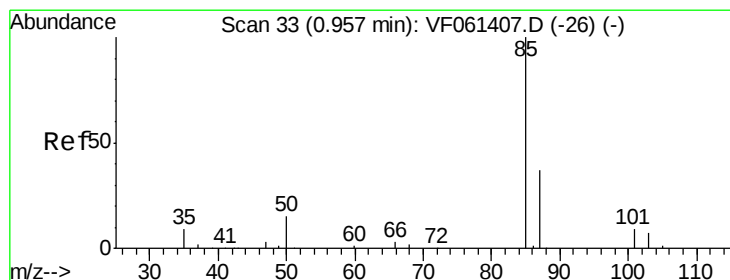
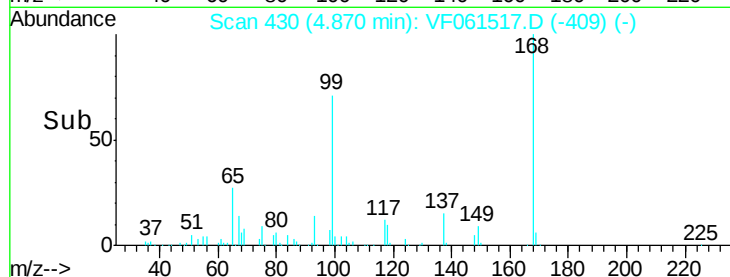
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 19.072 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.00 min

Lab File: VF061517.D

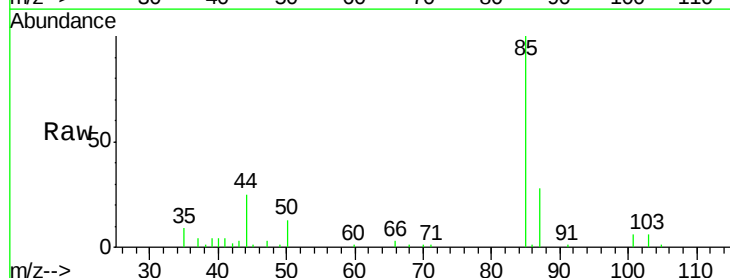
Acq: 25 Jan 2019 13:13

Tgt Ion: 85 Resp: 67435

Ion Ratio Lower Upper

85 100

87 27.5 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

20000

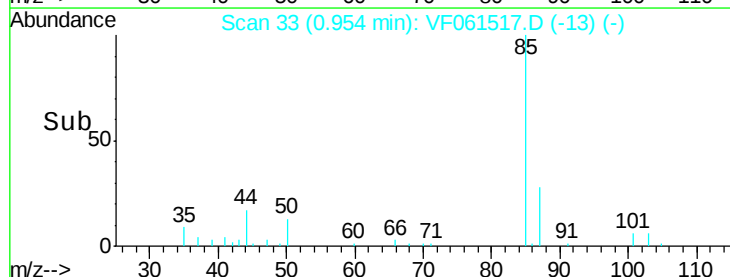
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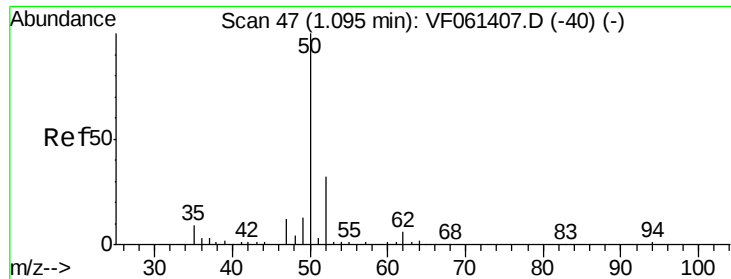
10000

5000

0

Time--> 0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 21.014 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

VF01251SBS01

Tot Ion: 50 Resp: 54479

Ion Ratio Lower Upper

50 100

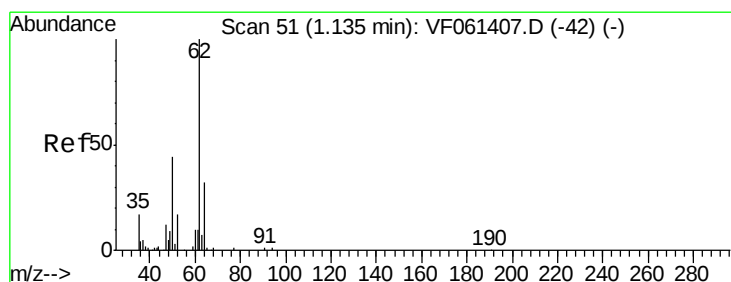
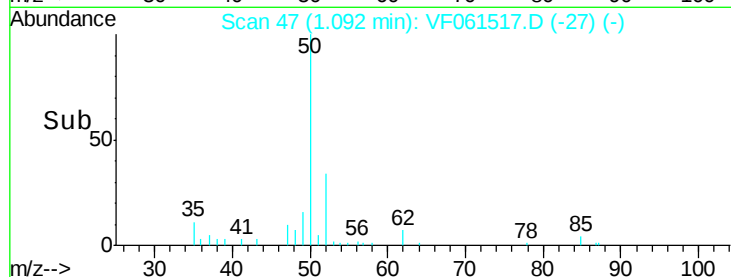
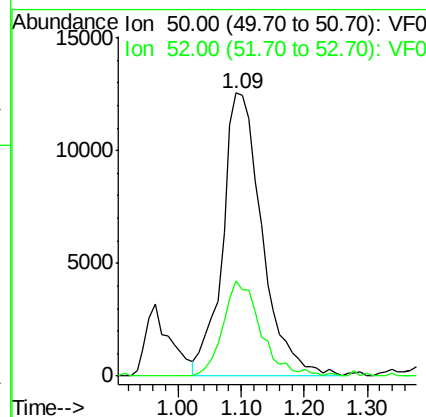
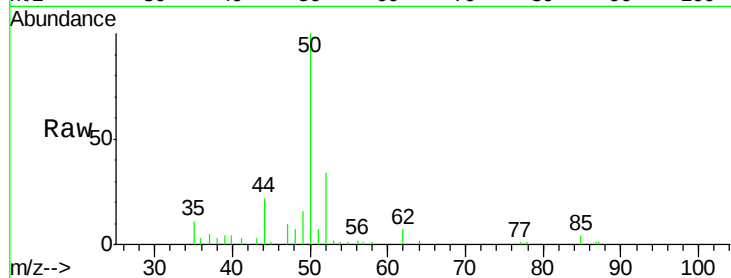
52 33.7 24.6 36.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.856 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF061517.D

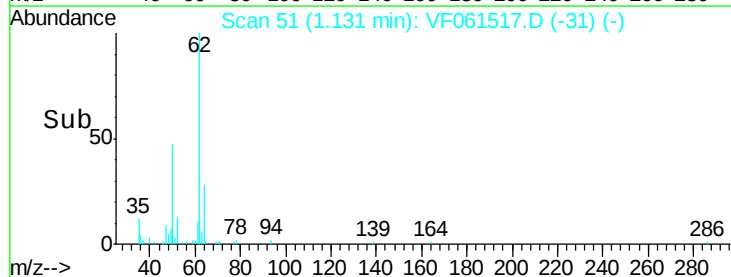
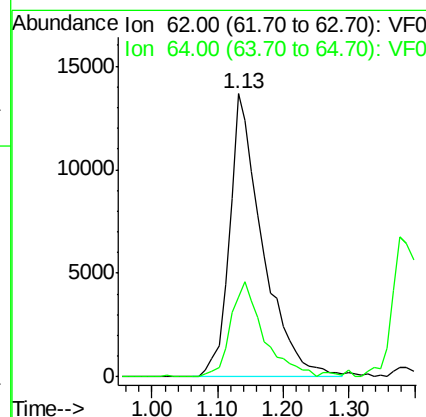
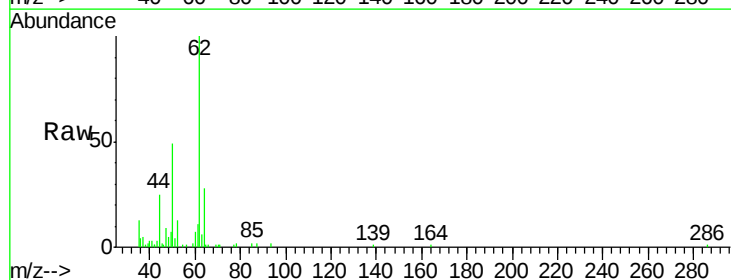
Acq: 25 Jan 2019 13:13

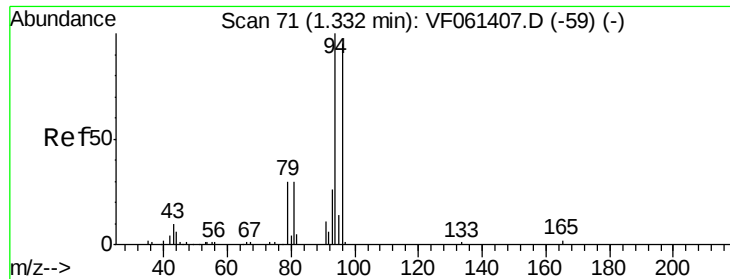
Tgt Ion: 62 Resp: 48098

Ion Ratio Lower Upper

62 100

64 28.1 25.6 38.4





#5

Bromomethane

Concen: 20.168 ug/l

RT: 1.34 min Scan# 72

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

VF01251SBSD01

Tot Ion: 94 Resp: 30329

Ion Ratio Lower Upper

94 100

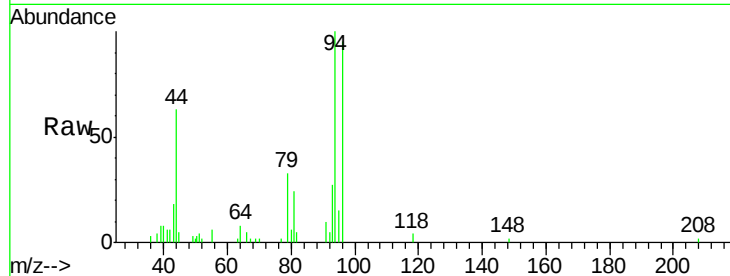
96 94.7 76.0 114.0

Manual Integrations

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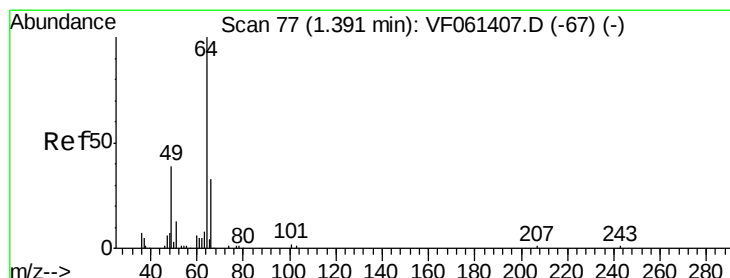
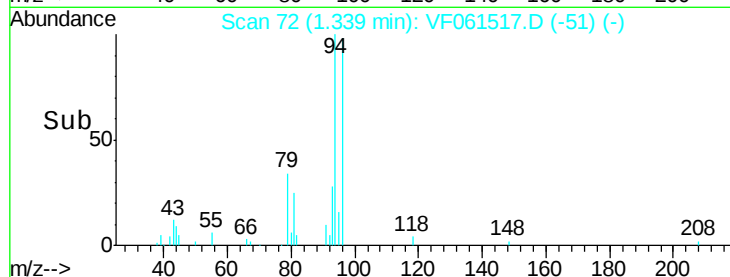
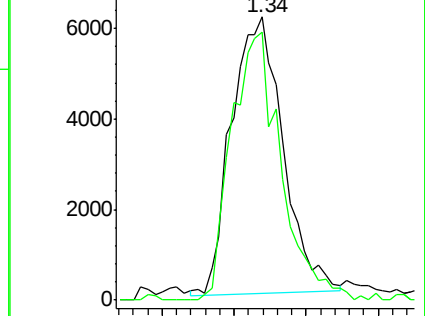
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 20.133 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061517.D

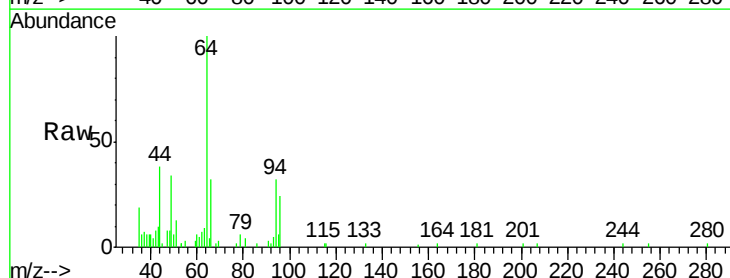
Acq: 25 Jan 2019 13:13

Tgt Ion: 64 Resp: 20574

Ion Ratio Lower Upper

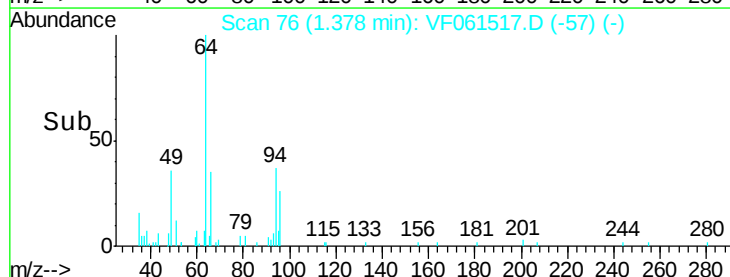
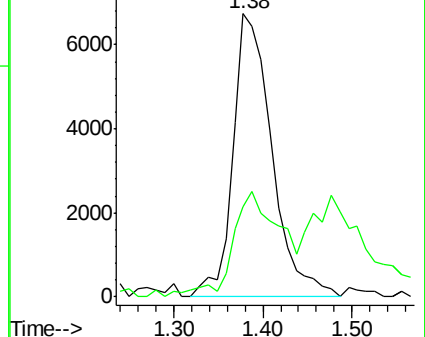
64 100

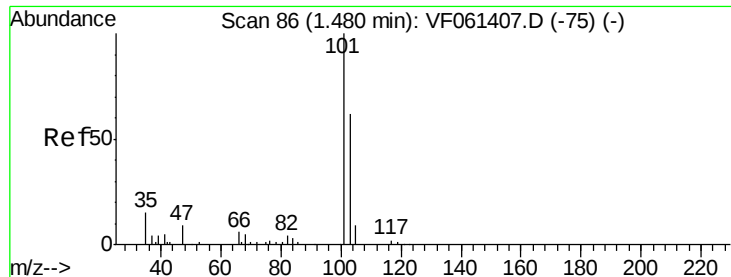
66 32.0 26.6 40.0



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

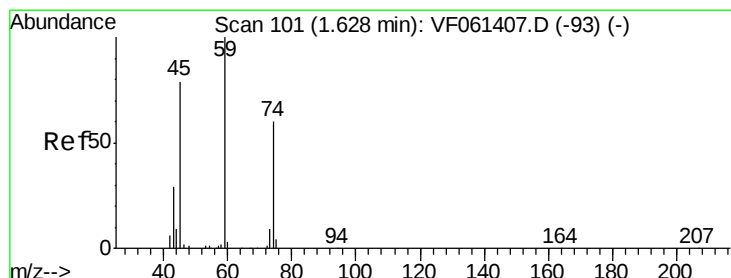
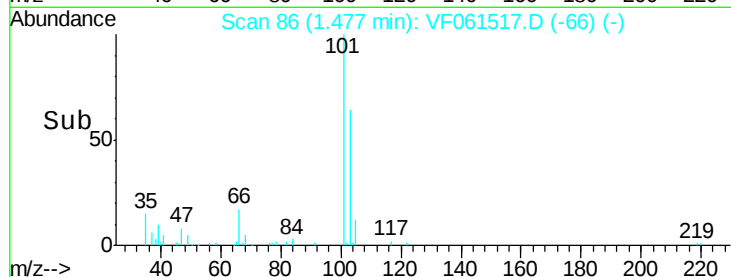
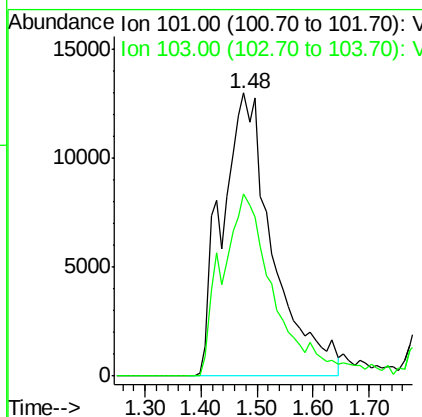
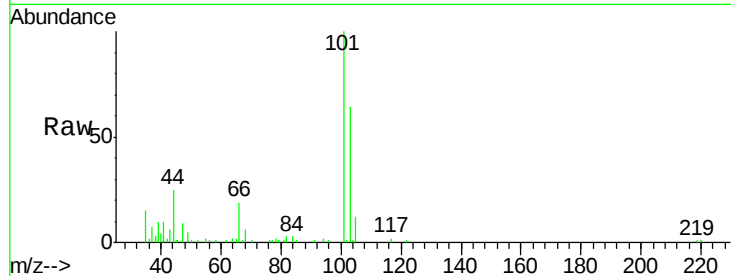
Trichlorofluoromethane
Concen: 18.377 ug/l
RT: 1.48 min Scan# 86
Delta R.T. -0.00 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Instrument :
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ClientSampleId :
VF01251SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	49.7	74.5

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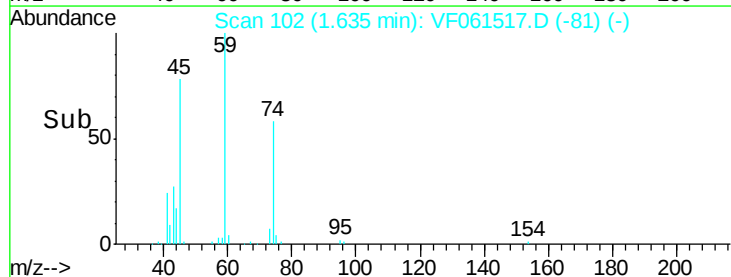
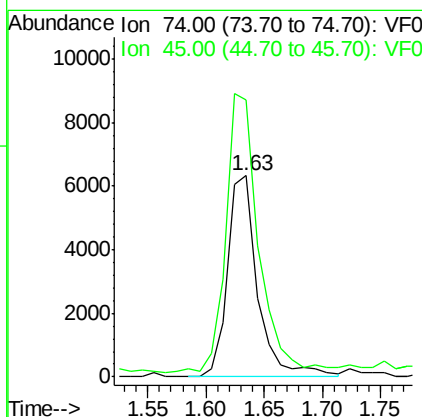
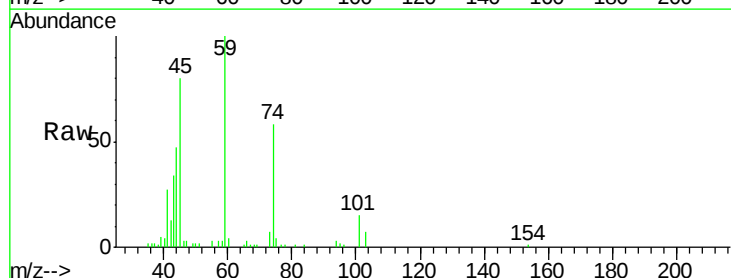
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#8

Diethyl Ether
Concen: 19.921 ug/l
RT: 1.63 min Scan# 102
Delta R.T. 0.01 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	137.5	65.8	197.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.346 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.00 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :

MSVOA_F

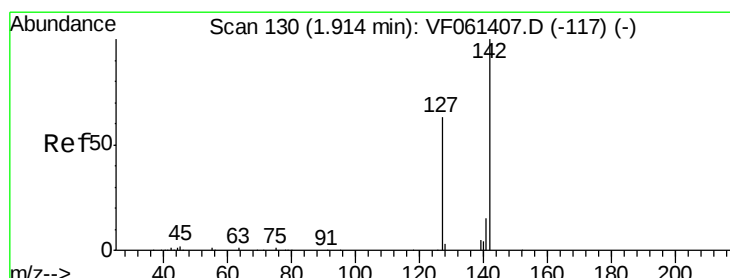
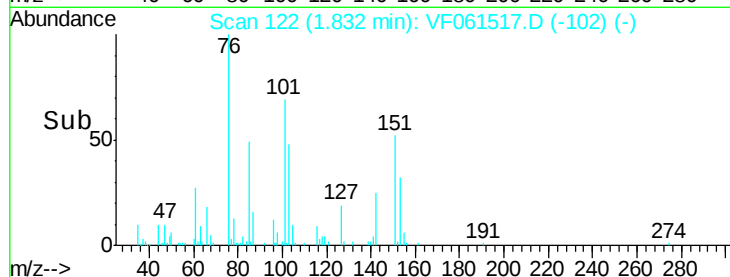
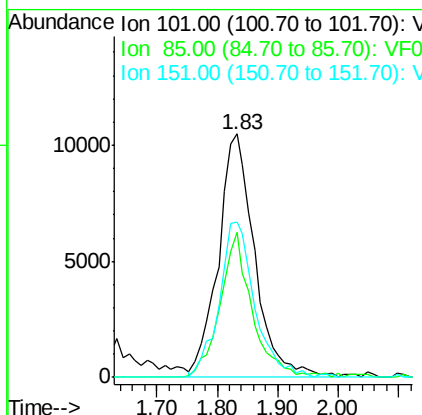
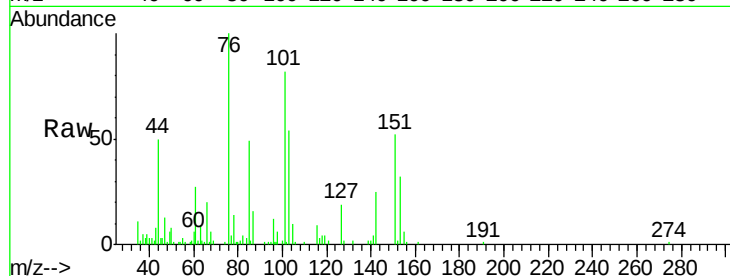
ClientSampleId :

VF01251SBS01

Tot Ion:	101	Resp:	43829
Ion Ratio	Lower	Upper	
101	100		
85	59.4	41.9	62.9
151	64.0	55.1	82.7

Manual Integrations
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#10

Methyl Iodide

Concen: 20.063 ug/l m

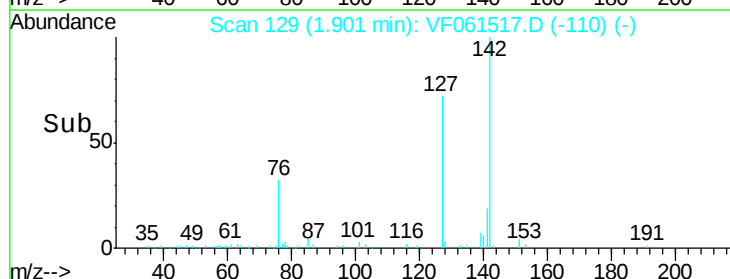
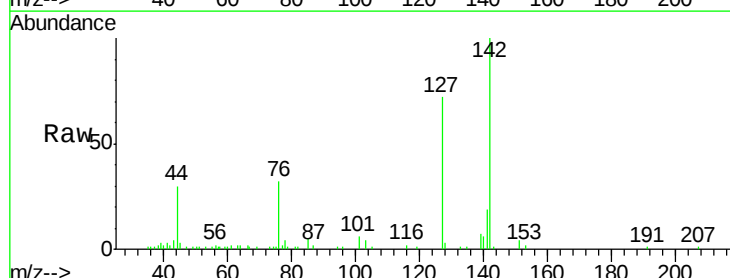
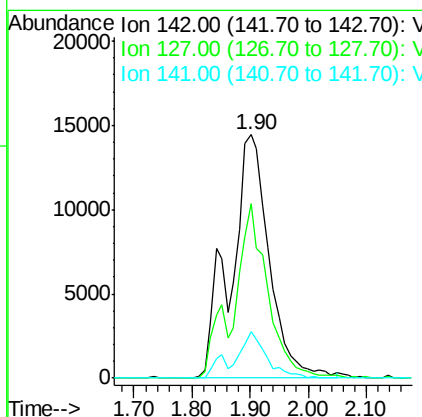
RT: 1.90 min Scan# 129

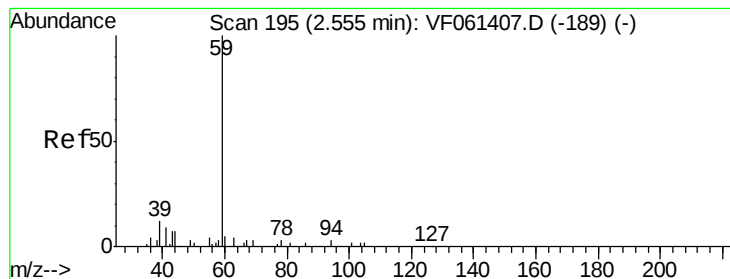
Delta R.T. -0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Tgt Ion:	142	Resp:	67003
Ion Ratio	Lower	Upper	
142	100		
127	71.6	50.7	76.1
141	19.3	11.8	17.6#





#11

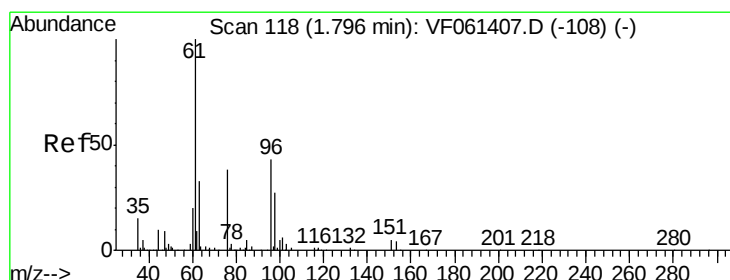
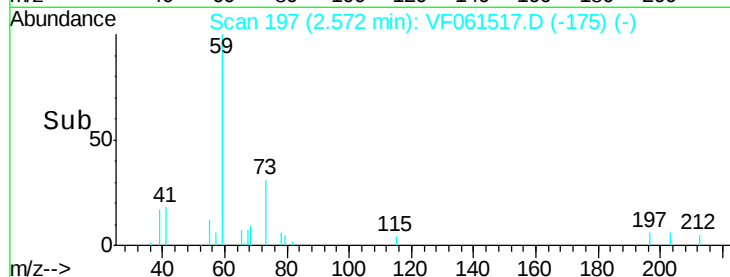
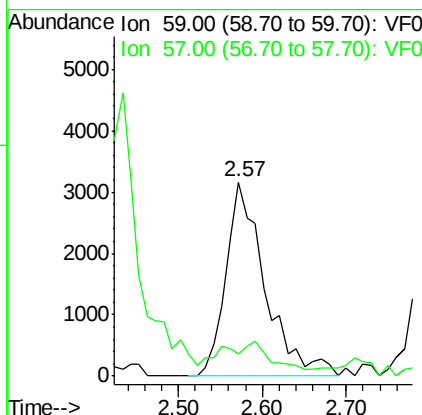
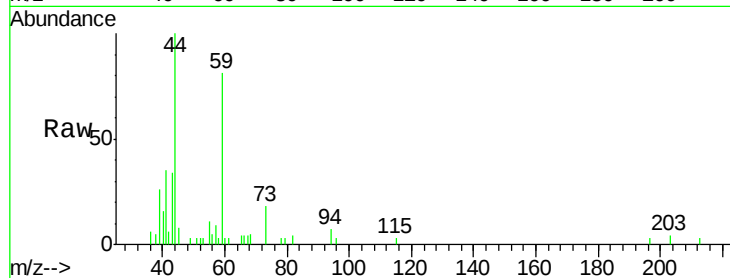
Tert butyl alcohol
Concen: 108.889 ug/l
RT: 2.57 min Scan# 197
Delta R.T. 0.02 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
VF01251SBS01

Tot Ion	59	Resp	10240
Ion Ratio	100	Lower	Upper
57	11.3	11.9	17.9#

Manual Integrations
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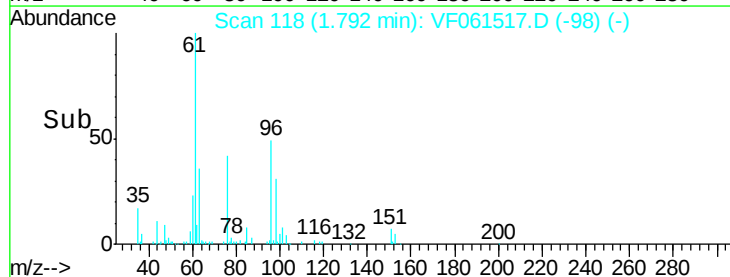
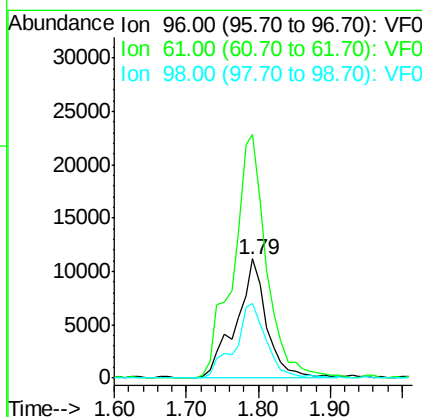
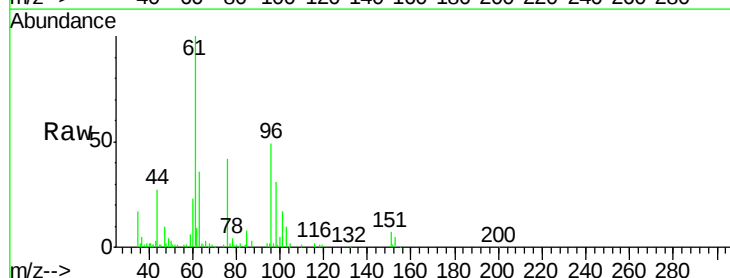
MMDadoda
1/28/2019 12:48:07 PM

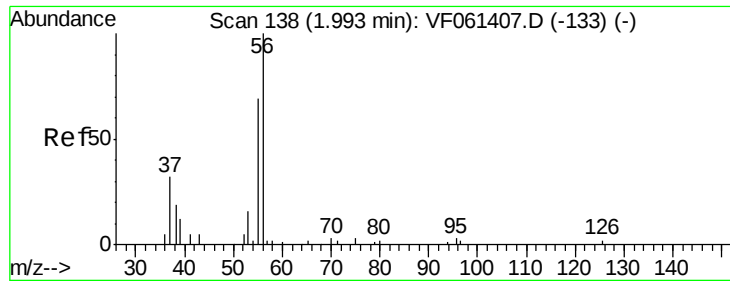


#12

1,1-Dichloroethene
Concen: 20.769 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Tgt Ion	96	Resp	33240
Ion Ratio	100	Lower	Upper
61	204.8	186.9	280.3
98	63.0	53.0	79.4





#13

Acrolein

Concen: 87.927 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.02 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

VF01251SBS01

Tot Ion: 56 Resp: 6556

Ion Ratio Lower Upper

56 100

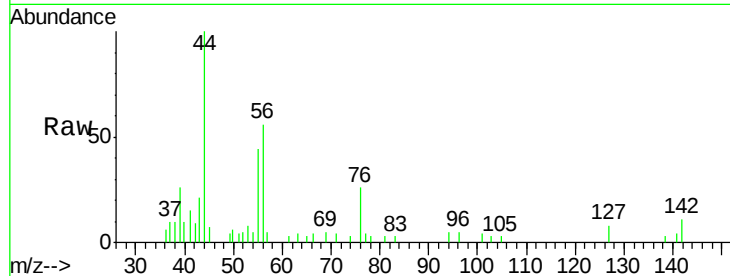
55 78.7 57.5 86.3

Manual Integrations

APPROVED

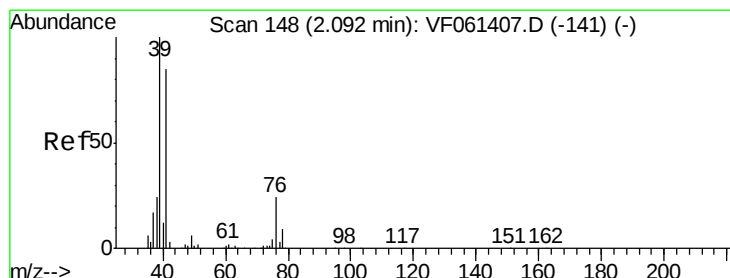
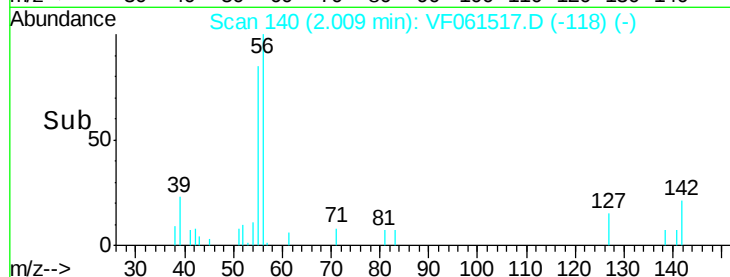
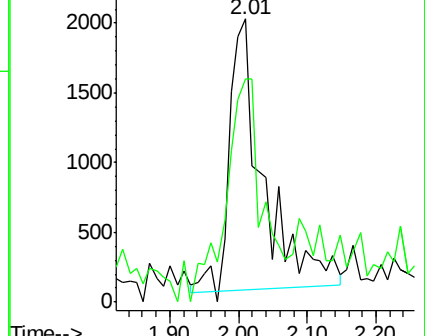
MMDadoda

1/28/2019 12:48:07 PM



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 26.335 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

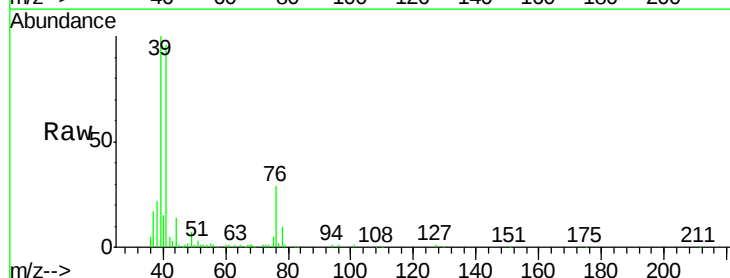
Tgt Ion: 41 Resp: 48636

Ion Ratio Lower Upper

41 100

39 104.2 94.6 141.8

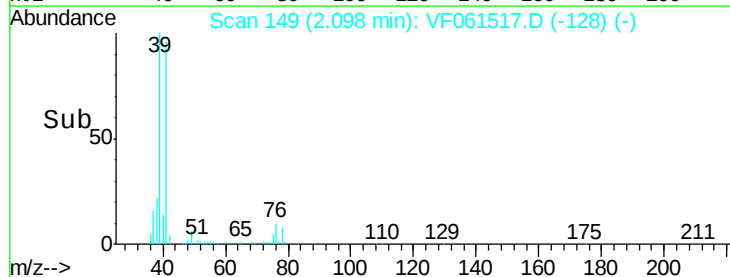
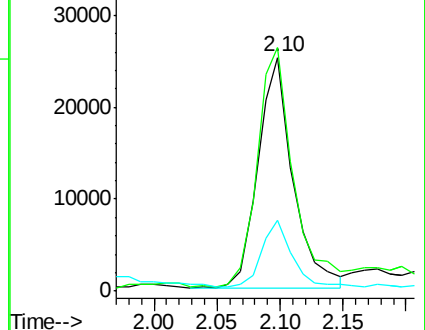
76 30.3 25.9 38.9

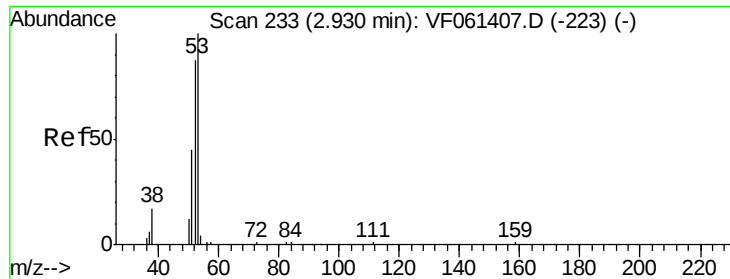


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





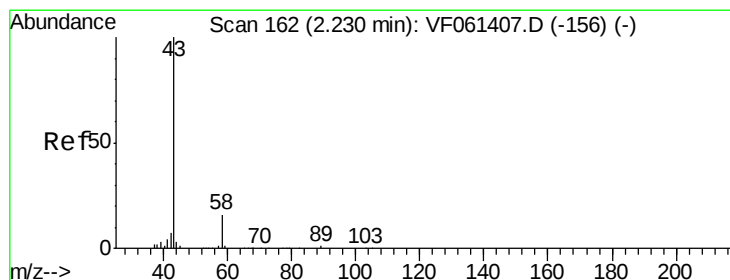
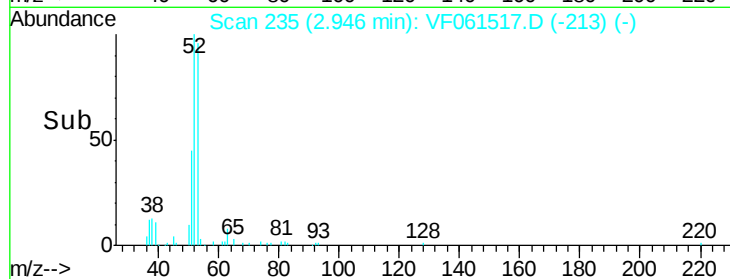
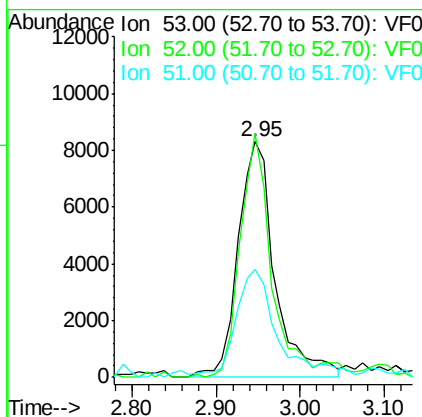
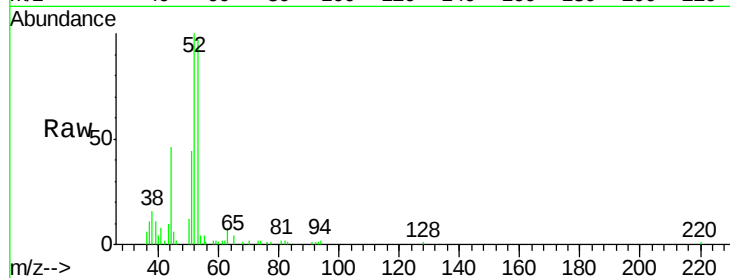
#15
 Acrylonitrile
 Concen: 105.727 ug/l
 RT: 2.95 min Scan# 235
 Delta R.T. 0.02 min
 Lab File: VF061517.D
 Acq: 25 Jan 2019 13:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF01251SBS01

Tot Ion:	53	Resp:	25468
Ion Ratio	Lower	Upper	
53	100		
52	103.5	69.6	104.4
51	45.8	36.8	55.2

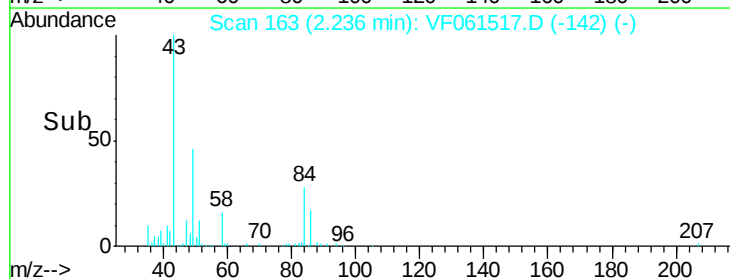
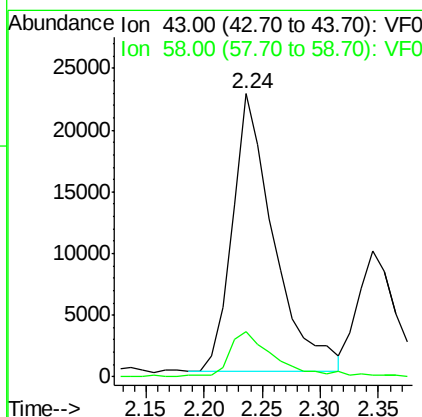
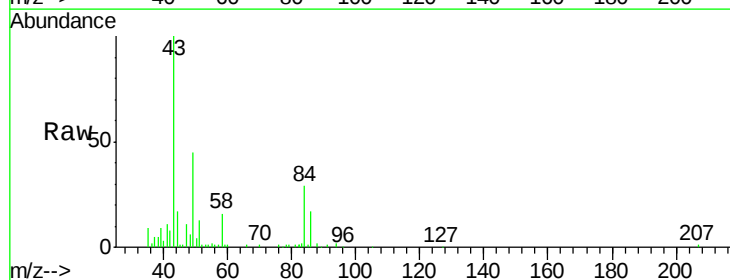
Manual Integrations
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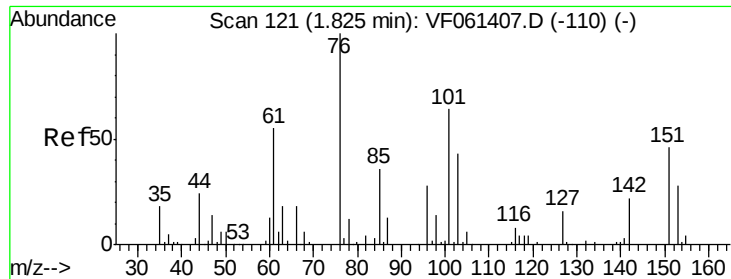
MMDadoda
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#16
 Acetone
 Concen: 125.338 ug/l
 RT: 2.24 min Scan# 163
 Delta R.T. 0.01 min
 Lab File: VF061517.D
 Acq: 25 Jan 2019 13:13

Tgt Ion:	43	Resp:	55863
Ion Ratio	Lower	Upper	
43	100		
58	16.0	13.3	19.9





#17

Carbon Disulfide

Concen: 19.855 ug/l m

RT: 1.82 min Scan# 121

Delta R.T. -0.00 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Tot Ion: 76 Resp: 99085

Ion Ratio Lower Upper

76 100

78 11.6 9.6 14.4

Instrument :

MSVOA_F

ClientSampleId :

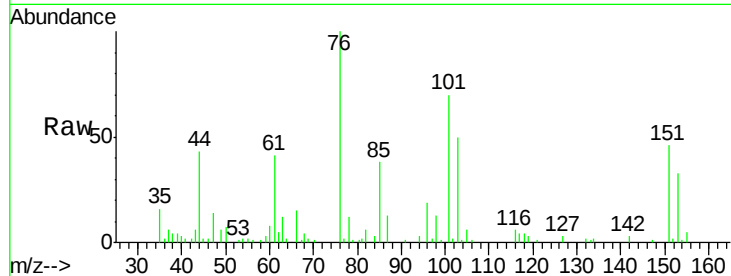
VF01251SBSD01

Manual Integrations

APPROVED

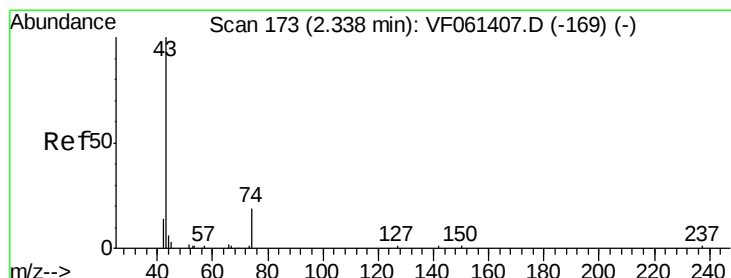
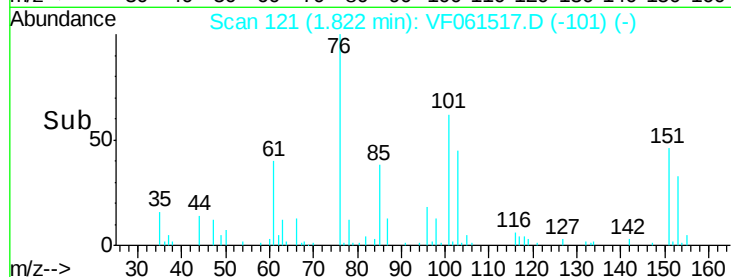
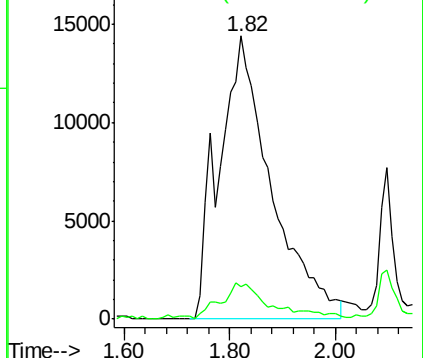
MMDadoda

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 22.794 ug/l

RT: 2.34 min Scan# 174

Delta R.T. 0.01 min

Lab File: VF061517.D

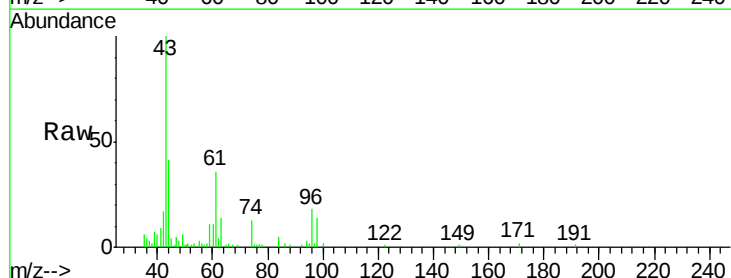
Acq: 25 Jan 2019 13:13

Tgt Ion: 43 Resp: 20147

Ion Ratio Lower Upper

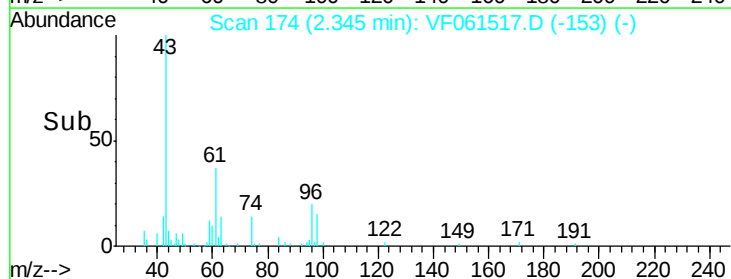
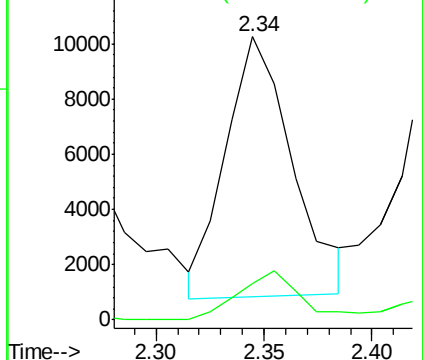
43 100

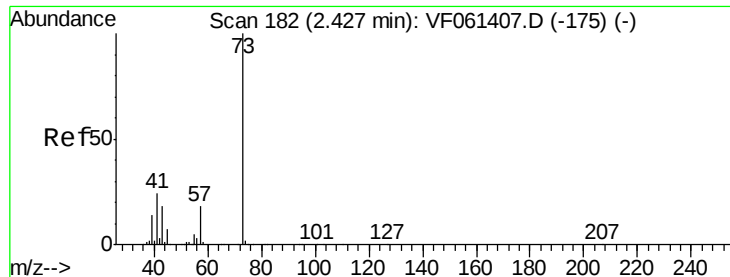
74 12.7 13.4 20.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





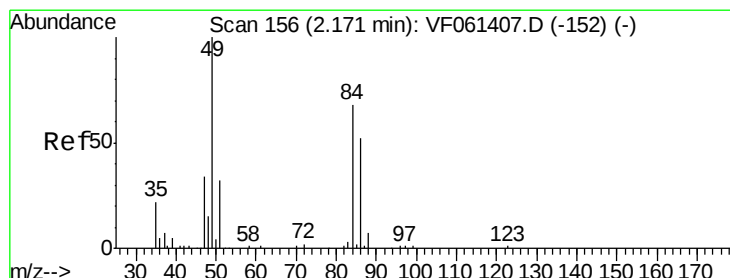
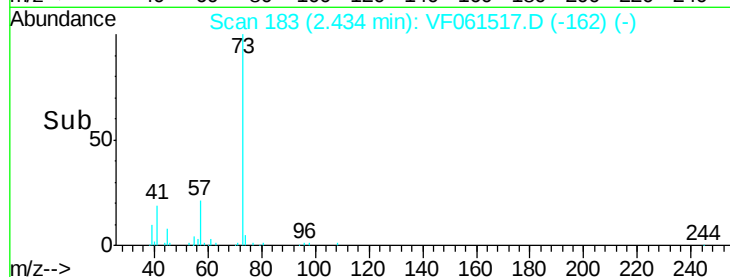
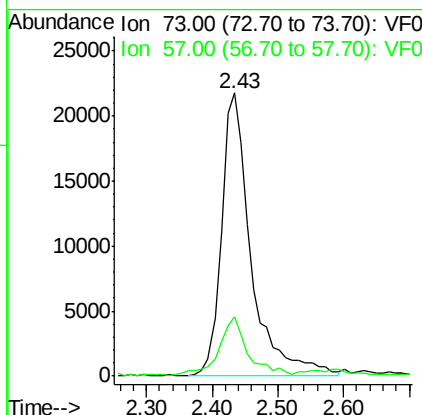
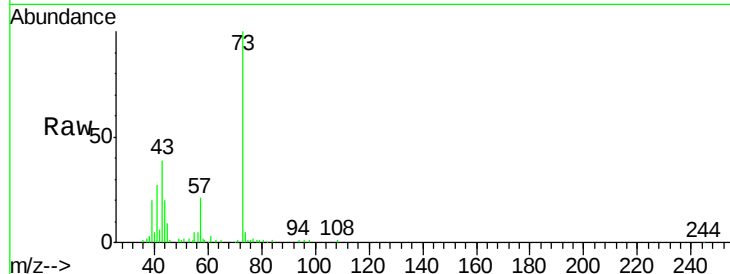
#19
Methvl tert-butvl Ether
Concen: 19.130 ug/l
RT: 2.43 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
VF01251SBS01

Tot Ion	73	Resp	68636
Ion Ratio	100	Lower	Upper
73	100		
57	21.2	14.8	22.2

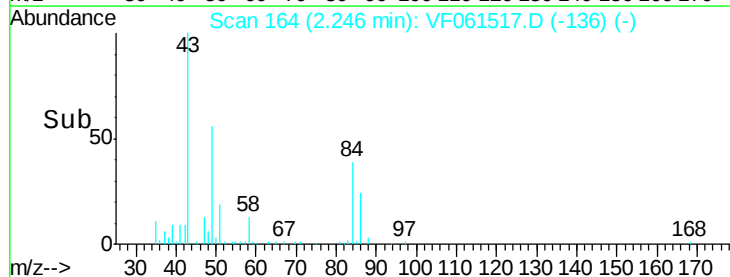
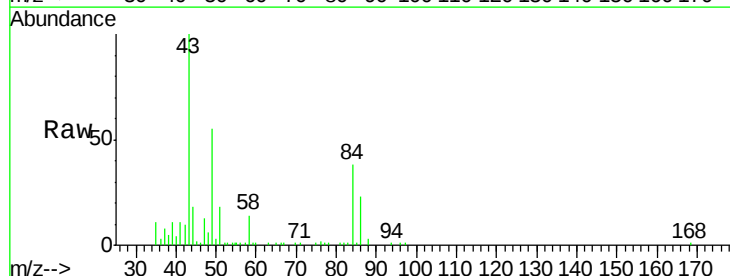
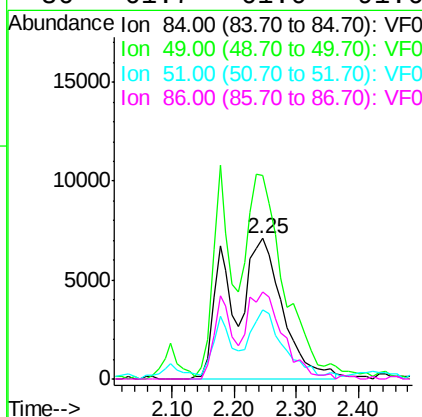
Manual Integrations
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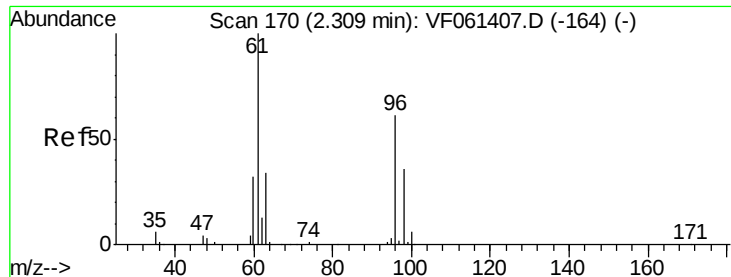
MMDadoda
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#20
Methylene Chloride
Concen: 26.914 ug/l m
RT: 2.25 min Scan# 164
Delta R.T. 0.08 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Tgt Ion	84	Resp	41947
Ion Ratio	100	Lower	Upper
84	100		
49	144.6	120.0	180.0
51	48.9	38.6	58.0
86	61.7	61.0	91.6





#21

trans-1,2-Dichloroethene

Concen: 20.439 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :

MSVOA_F

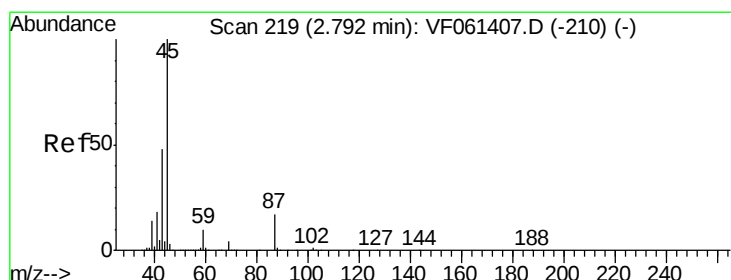
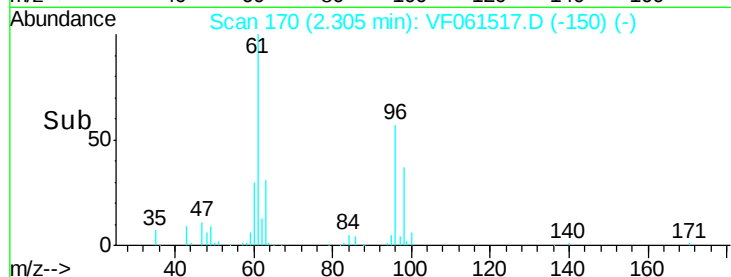
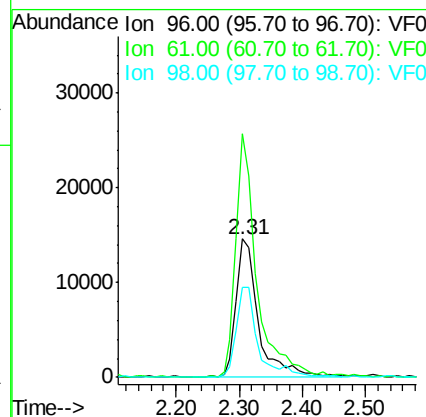
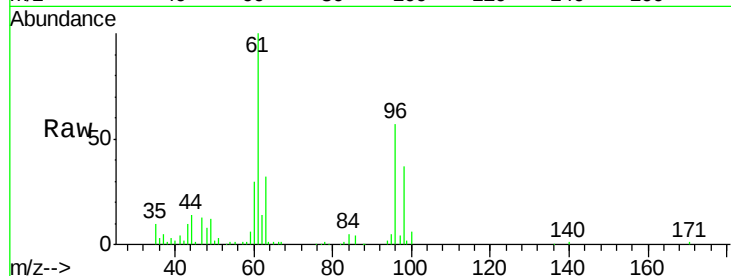
ClientSampleId :

VF01251SBSD01

Tot Ion:	96	Resp:	35991
Ion	Ratio	Lower	Upper
96	100		
61	176.3	131.8	197.8
98	65.1	47.4	71.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.002 ug/l

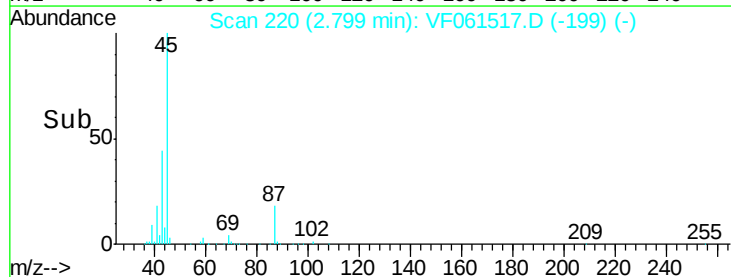
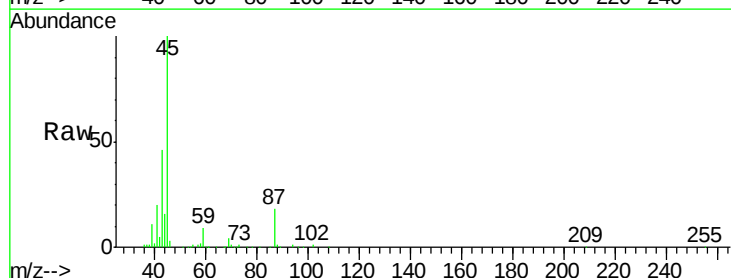
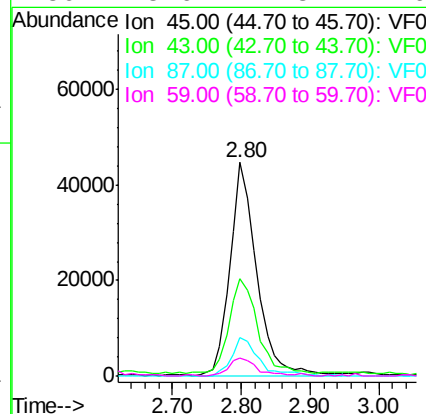
RT: 2.80 min Scan# 220

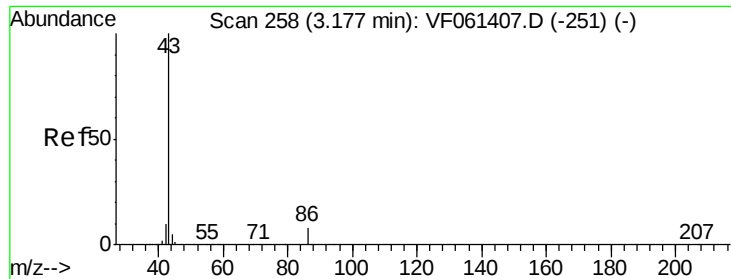
Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Tgt Ion:	45	Resp:	119619
Ion	Ratio	Lower	Upper
45	100		
43	45.8	39.0	58.6
87	17.9	13.9	20.9
59	8.6	7.8	11.6





#23

Vinyl Acetate

Concen: 117.529 ug/l

RT: 3.19 min Scan# 260

Delta R.T. 0.02 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

VF01251SBS01

Tot Ion: 43 Resp: 290134

Ion Ratio Lower Upper

43 100

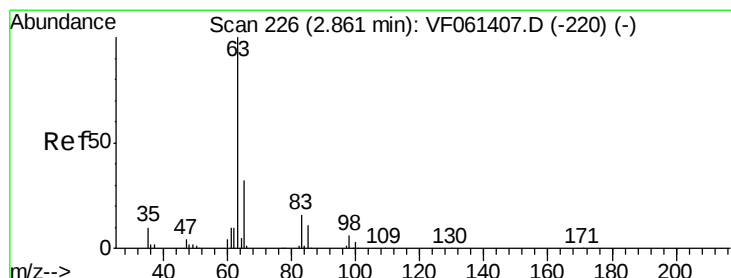
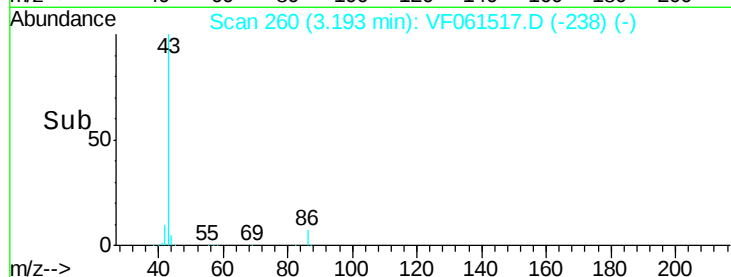
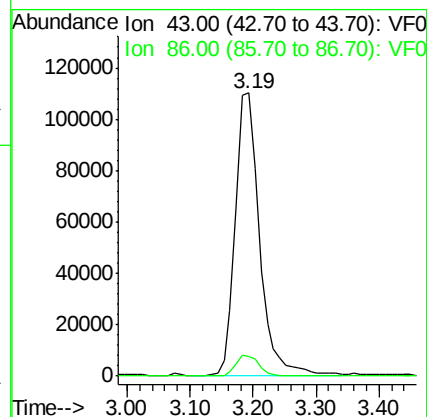
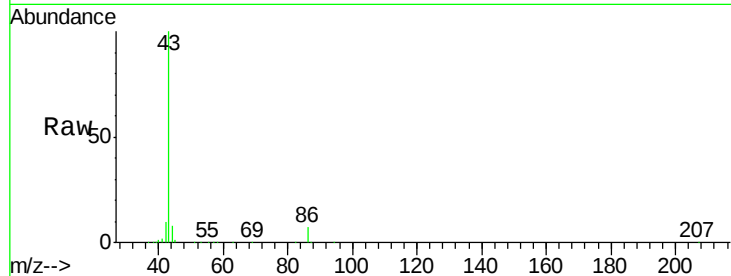
86 6.8 6.2 9.4

Manual Integrations

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MMDadoda

1/28/2019 12:48:07 PM



#24

1,1-Dichloroethane

Concen: 19.915 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

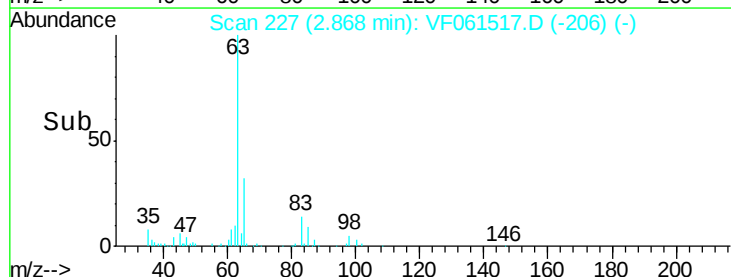
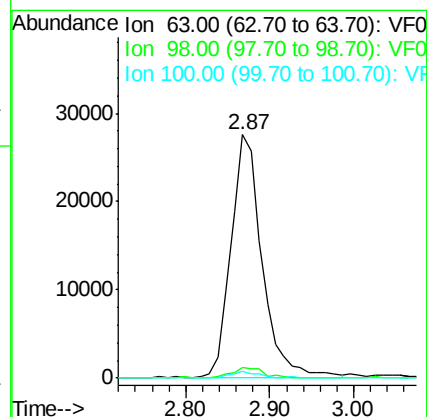
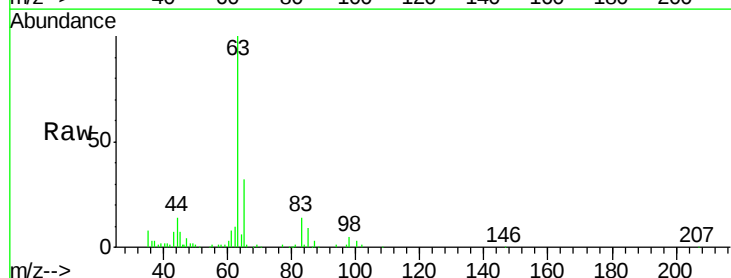
Tgt Ion: 63 Resp: 71189

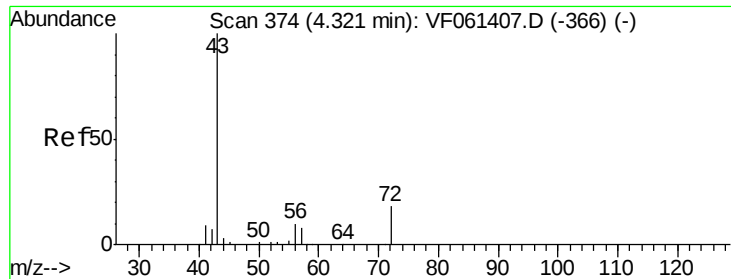
Ion Ratio Lower Upper

63 100

98 4.6 2.9 8.8

100 2.9 1.6 4.8





#25

2-Butanone

Concen: 122.211 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.02 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

VF01251SBSD01

Tot Ion: 43 Resp: 90580

Ion Ratio Lower Upper

43 100

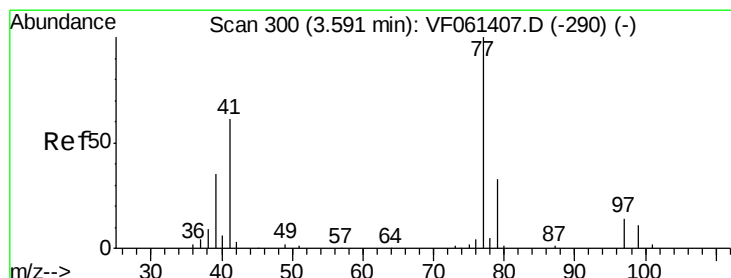
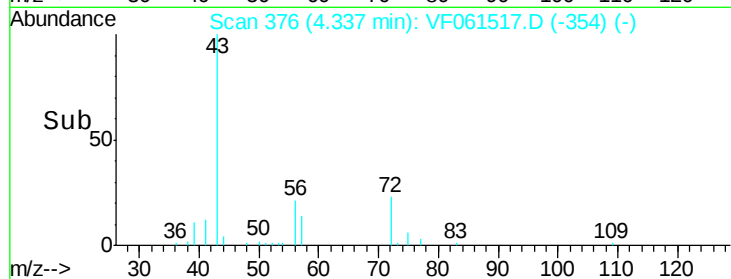
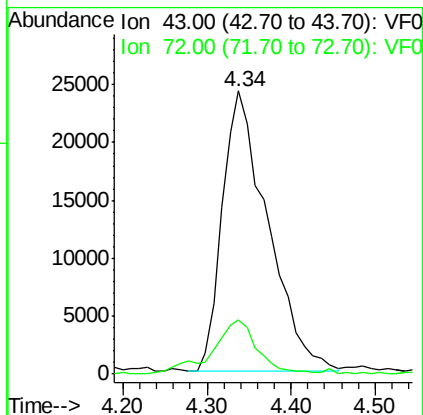
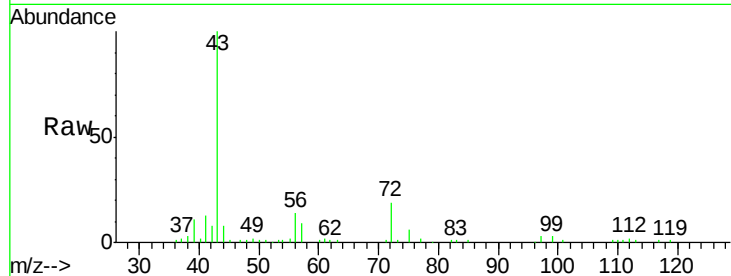
72 19.4 15.8 23.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.749 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.01 min

Lab File: VF061517.D

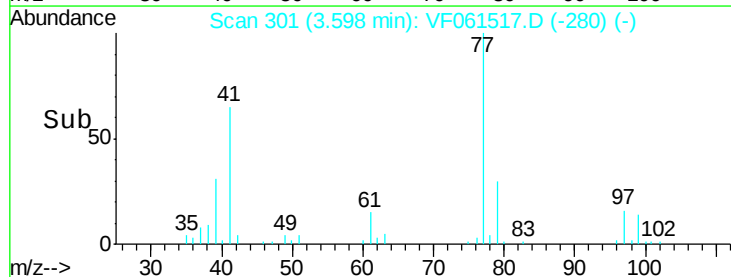
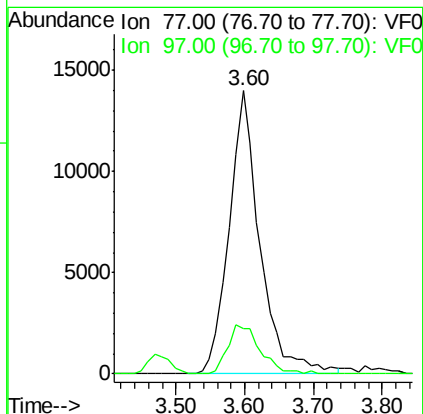
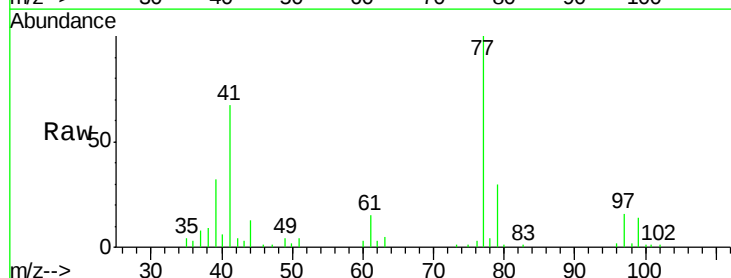
Acq: 25 Jan 2019 13:13

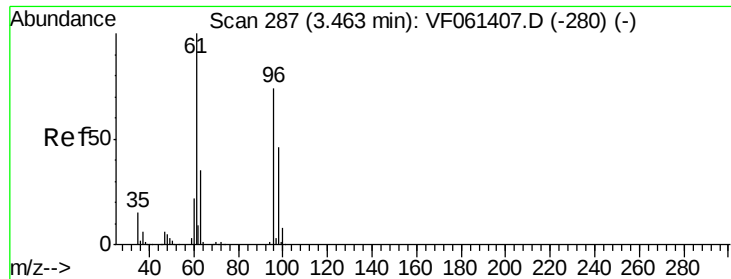
Tgt Ion: 77 Resp: 43373

Ion Ratio Lower Upper

77 100

97 15.8 8.5 25.5





#27

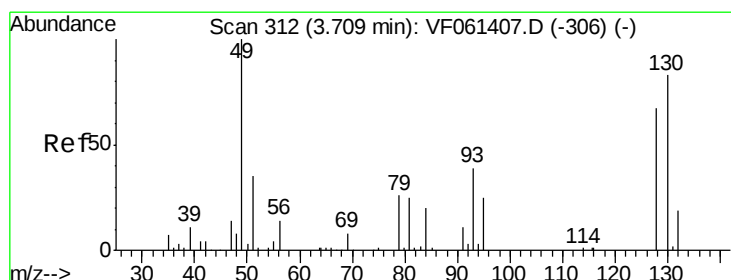
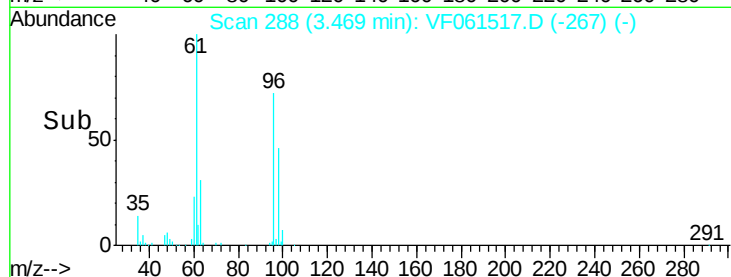
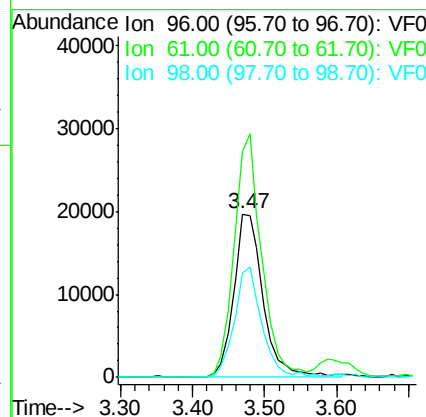
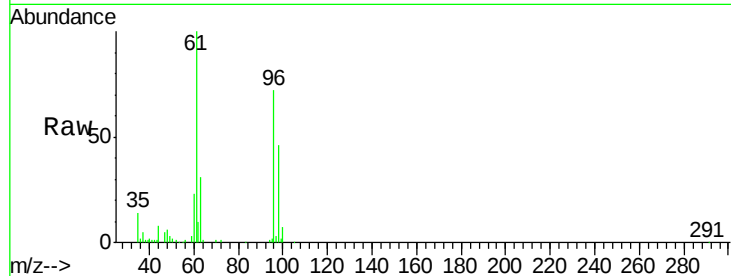
cis-1,2-Dichloroethene
Concen: 21.555 ug/l
RT: 3.47 min Scan# 288
Delta R.T. 0.01 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
VF01251SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.1	0.0	270.2
98	63.7	0.0	124.0

Manual Integrations
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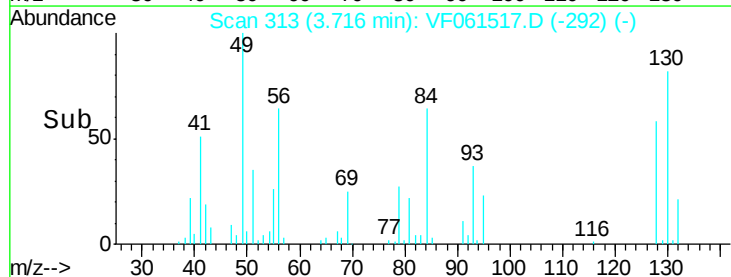
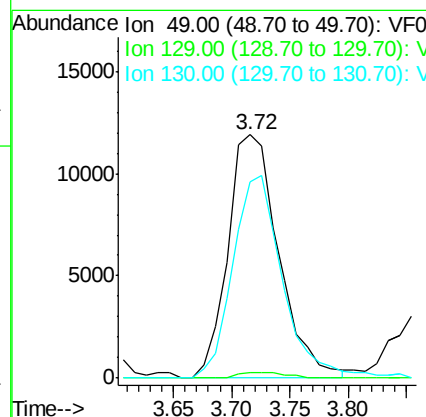
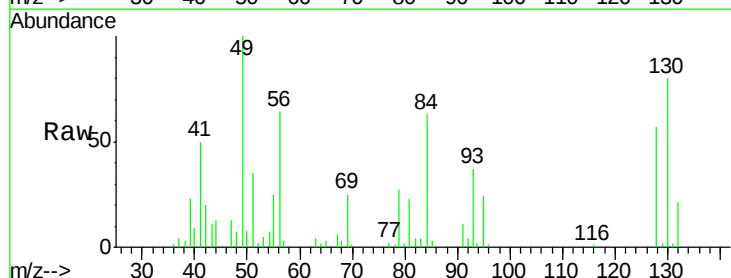
MMDadoda
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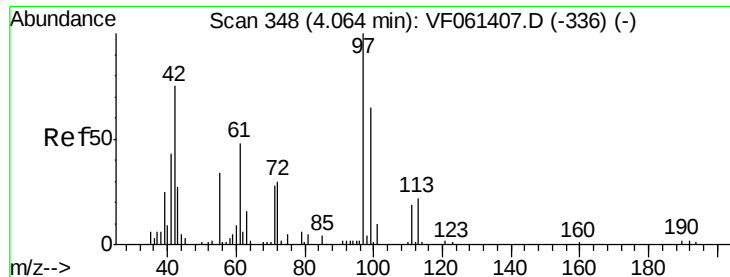


#28

Bromochloromethane
Concen: 22.357 ug/l
RT: 3.72 min Scan# 313
Delta R.T. 0.01 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	0.0#
130	80.5	65.4	98.2





#29

Tetrahydrofuran

Concen: 113.960 ug/l

RT: 4.08 min Scan# 350

Delta R.T. 0.02 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :

MSVOA_F

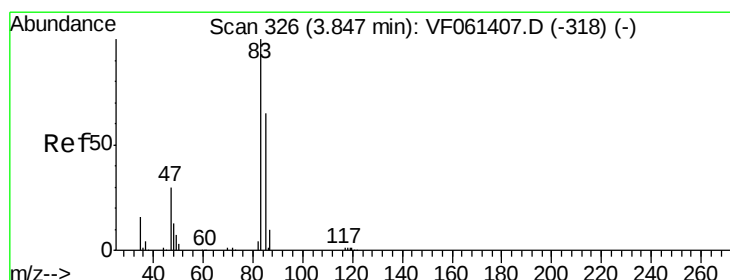
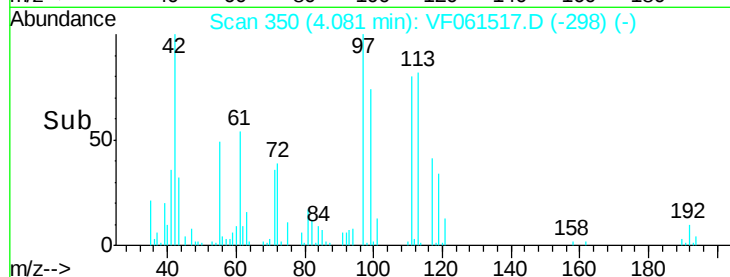
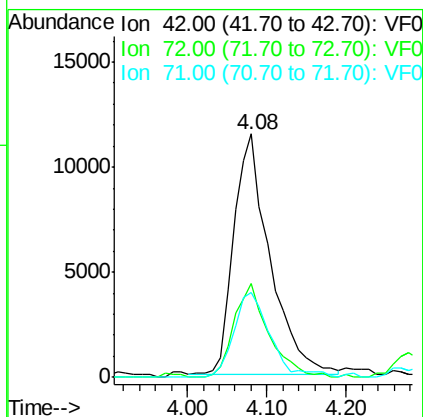
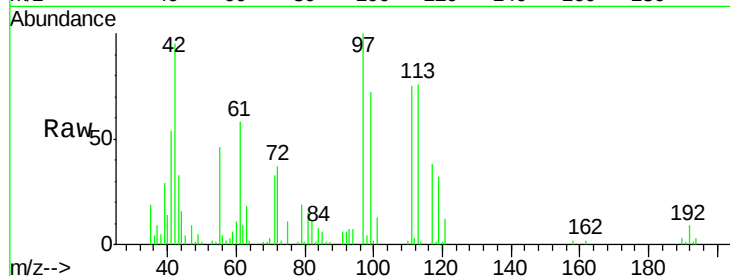
ClientSampleId :

VF01251SBS01

Tot Ion:	42	Resp:	36370
Ion	Ratio	Lower	Upper
42	100		
72	37.3	28.9	43.3
71	35.0	29.6	44.4

Manual Integrations
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#30

Chloroform

Concen: 21.572 ug/l

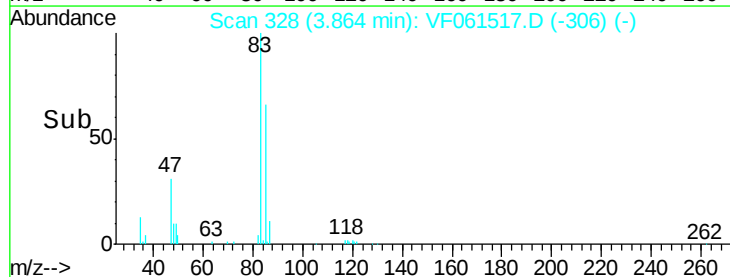
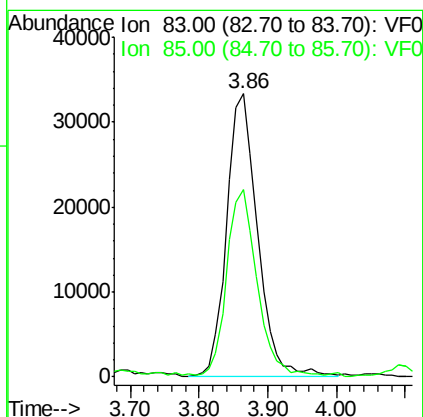
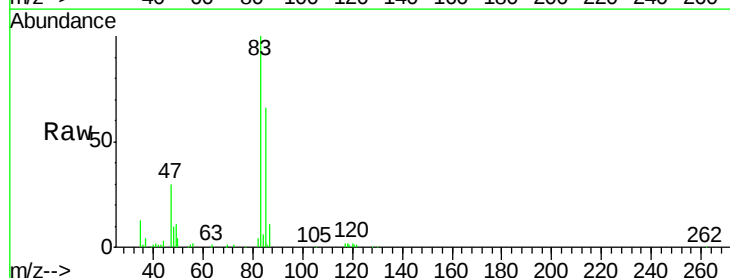
RT: 3.86 min Scan# 328

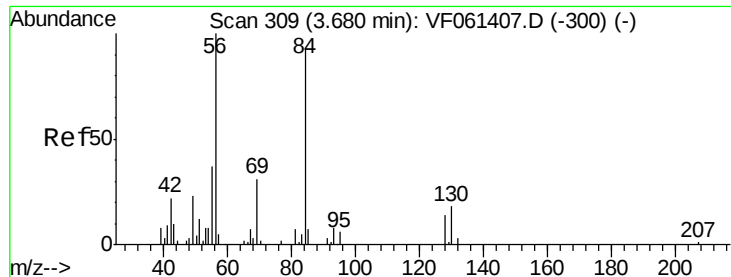
Delta R.T. 0.02 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Tgt Ion:	83	Resp:	104066
Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.7	79.1





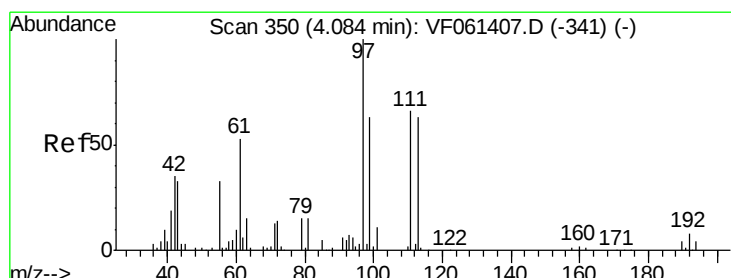
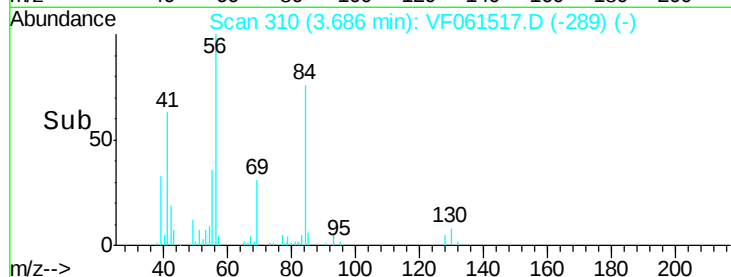
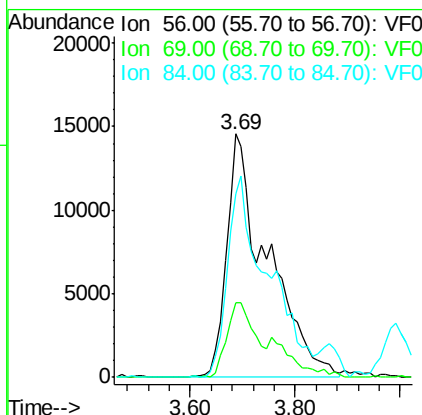
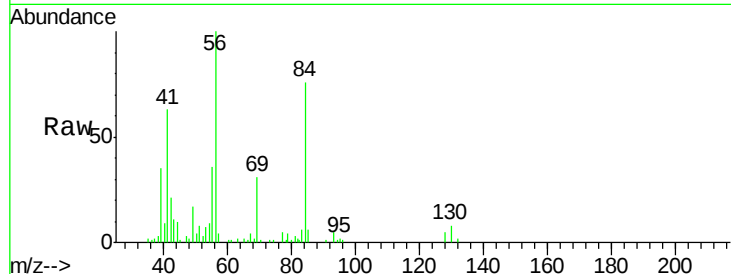
#31
Cyclohexane
Concen: 22.026 ug/l m
RT: 3.69 min Scan# 310
Delta R.T. 0.01 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
VF01251SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.6	36.8
84	75.6	74.2	111.2

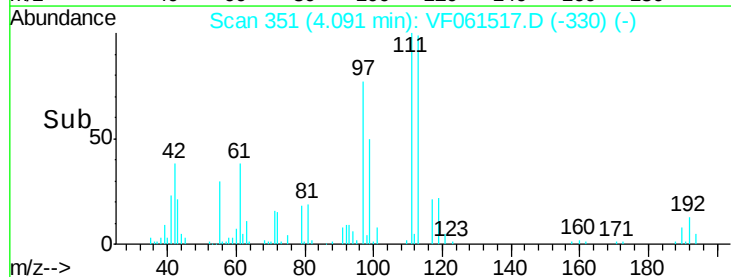
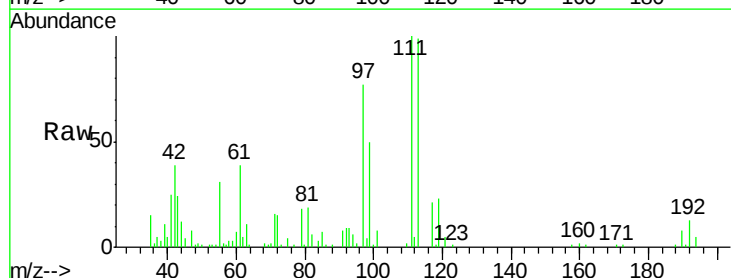
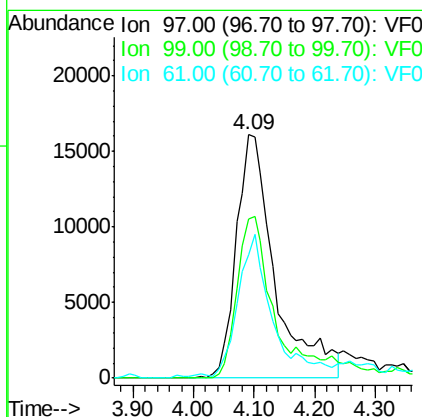
Manual Integrations
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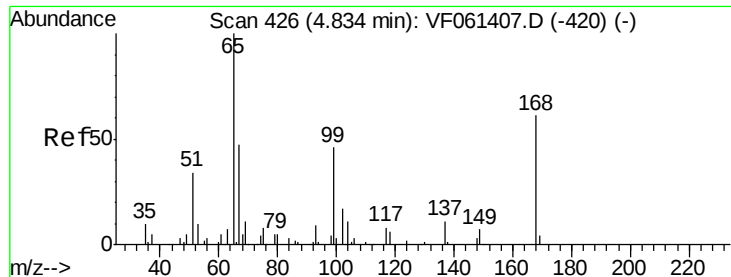
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#32
1,1,1-Trichloroethane
Concen: 20.327 ug/l
RT: 4.09 min Scan# 351
Delta R.T. 0.01 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	50.1	75.1
61	50.4	43.1	64.7





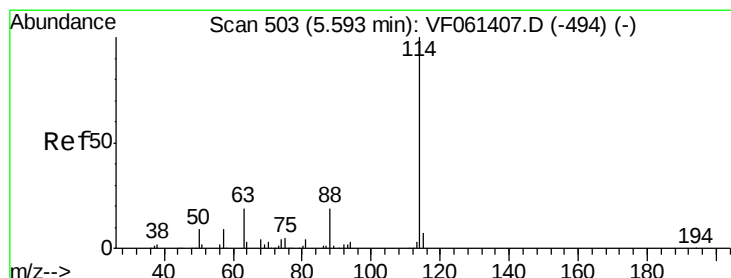
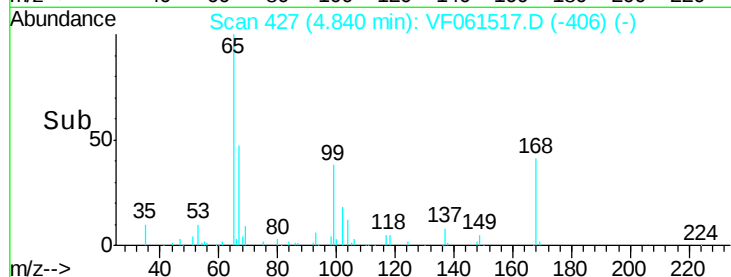
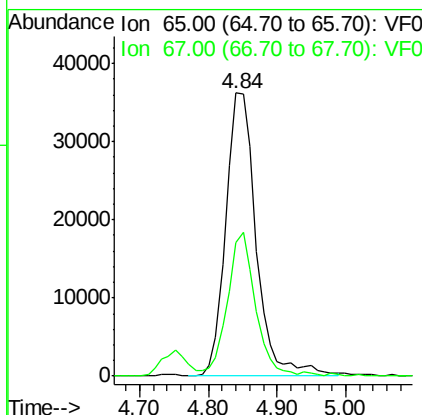
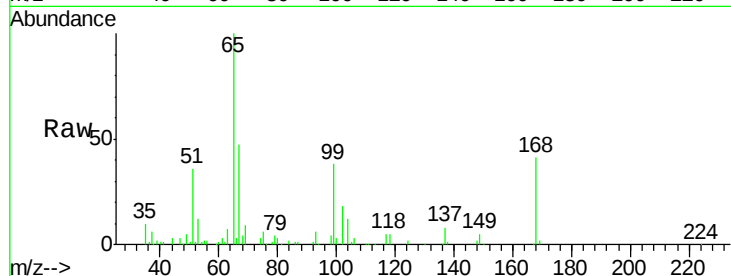
#33
 1,2-Dichloroethane-d4
 Concen: 50.258 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. 0.01 min
 Lab File: VF061517.D
 Acq: 25 Jan 2019 13:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF01251SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	111659		
67	47.0	0.0	99.8	

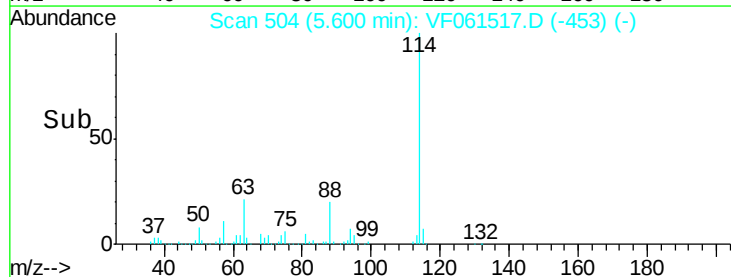
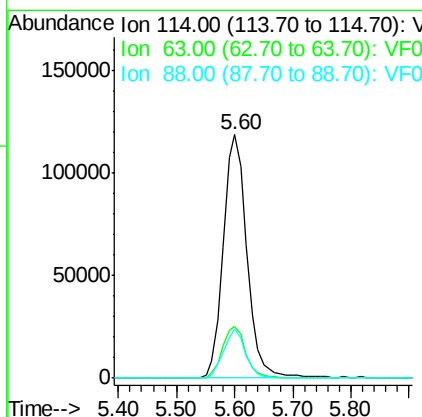
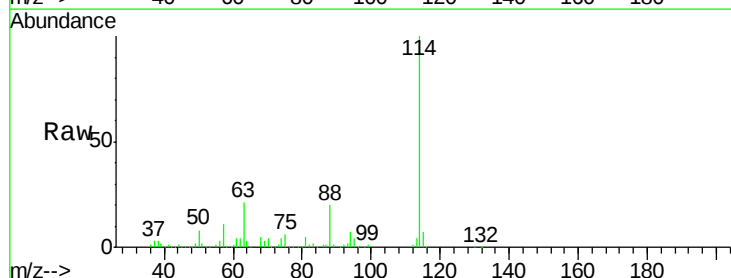
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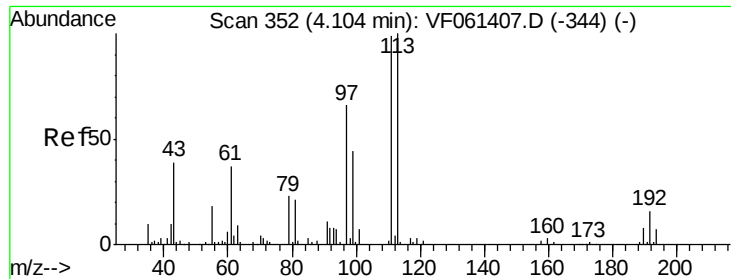
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. 0.01 min
 Lab File: VF061517.D
 Acq: 25 Jan 2019 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	334454		
63	21.2	0.0	39.0	
88	20.0	0.0	37.4	





#35

Dibromofluoromethane

Concen: 48.143 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.02 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :

MSVOA_F

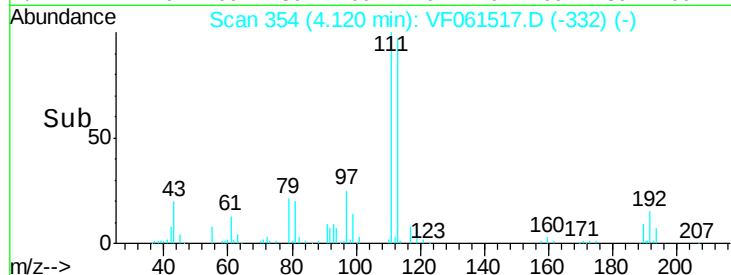
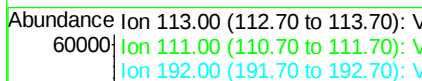
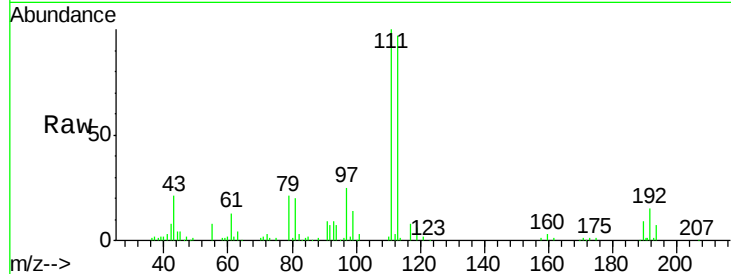
ClientSampleId :

VF01251SBSD01

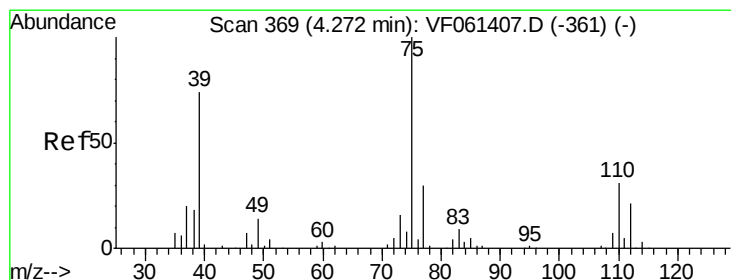
Tot Ion:	113	Resp:	127055
Ion Ratio	Lower	Upper	
113	100		
111	103.6	79.4	119.0
192	16.0	12.4	18.6

Manual Integrations
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Time-->



#36

1,1-Dichloropropene

Concen: 19.195 ug/l

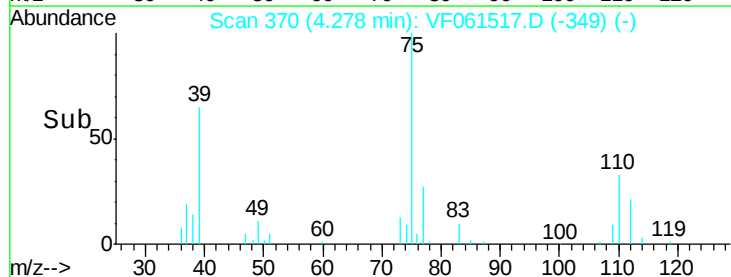
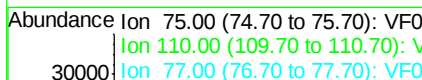
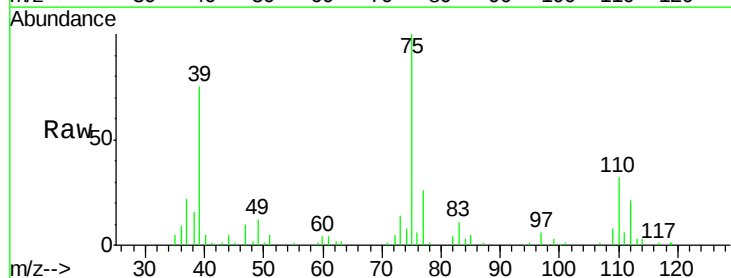
RT: 4.28 min Scan# 370

Delta R.T. 0.01 min

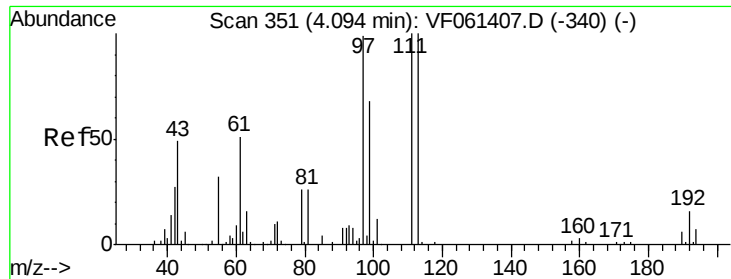
Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Tgt Ion:	75	Resp:	74436
Ion Ratio	Lower	Upper	
75	100		
110	31.6	15.8	47.3
77	26.1	24.0	36.0



Time-->



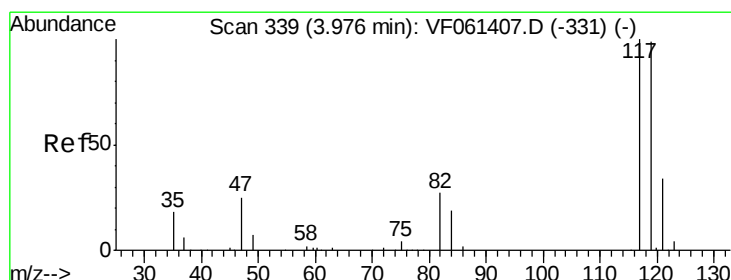
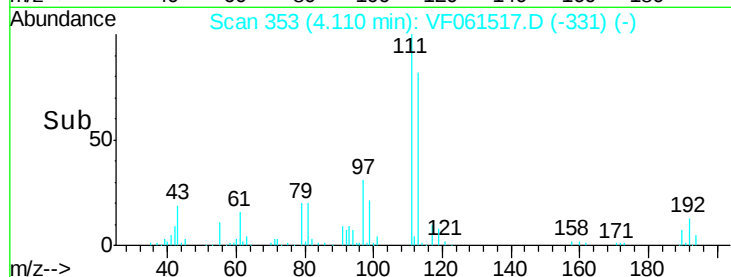
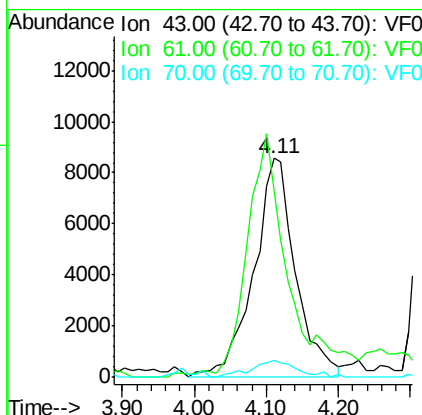
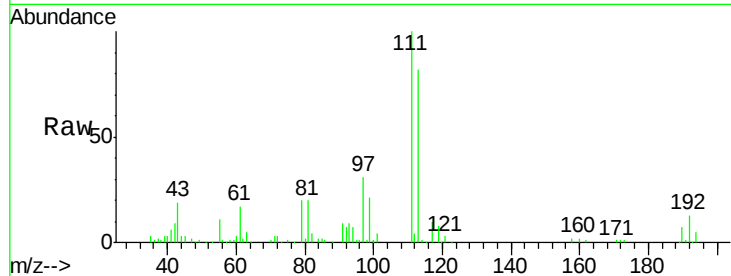
#37
Ethyl Acetate
Concen: 22.335 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.02 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
VF01251SBS01

Tot Ion	43	61	70	Ratio	Lower	Upper	Resp
43	100						34622
61	85.2				81.7	122.5	
70	7.7				6.2	9.2	

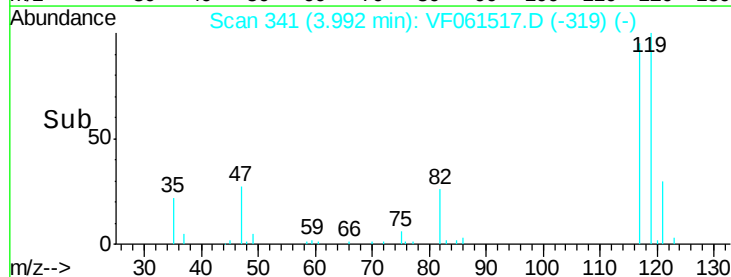
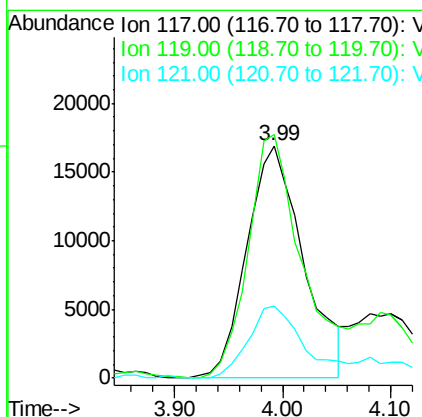
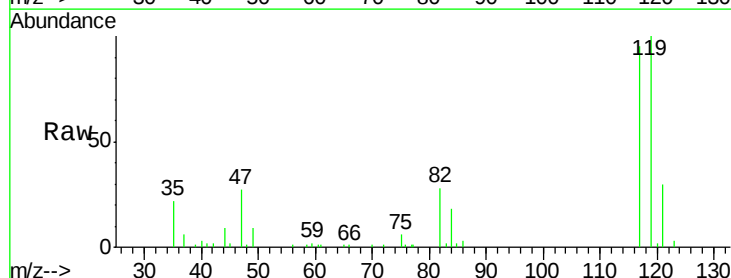
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 18.284 ug/l
RT: 3.99 min Scan# 341
Delta R.T. 0.02 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Tgt Ion	117	119	121	Ratio	Lower	Upper	Resp
117	100						61985
119	104.8				79.0	118.6	
121	31.3				27.0	40.6	





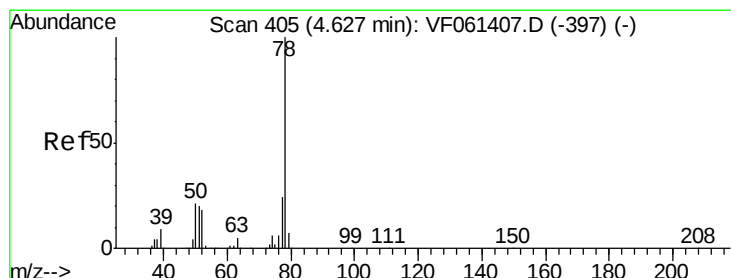
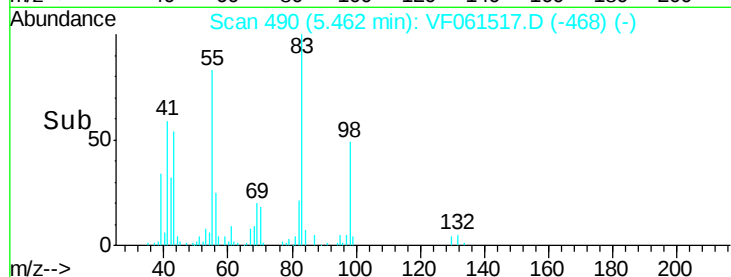
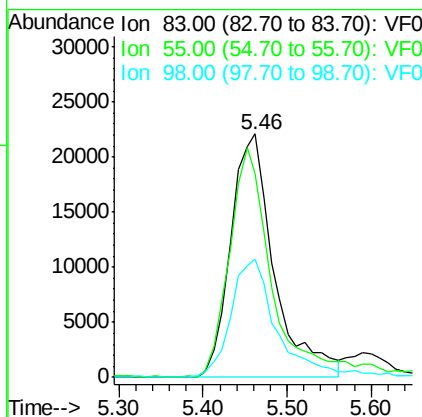
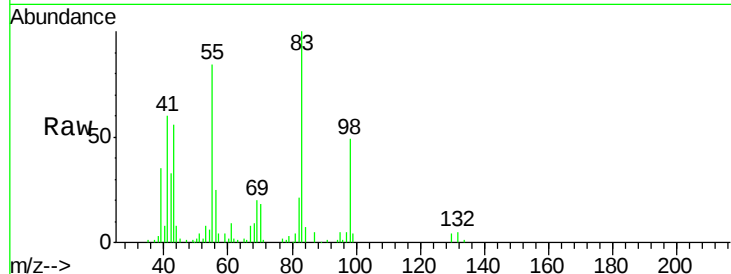
#39
Methylvlcvclohexane
Concen: 18.930 ug/l
RT: 5.46 min Scan# 490
Delta R.T. 0.02 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
VF01251SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.6	67.4	101.2
98	48.5	36.7	55.1

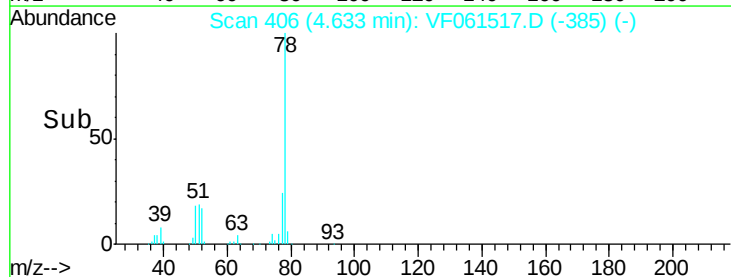
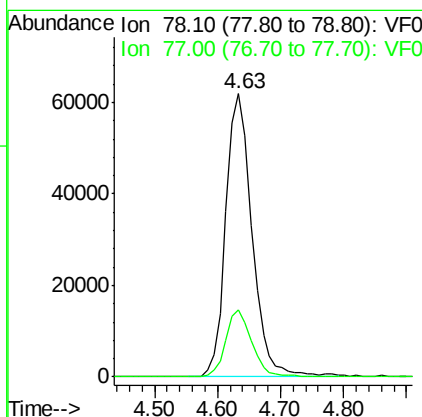
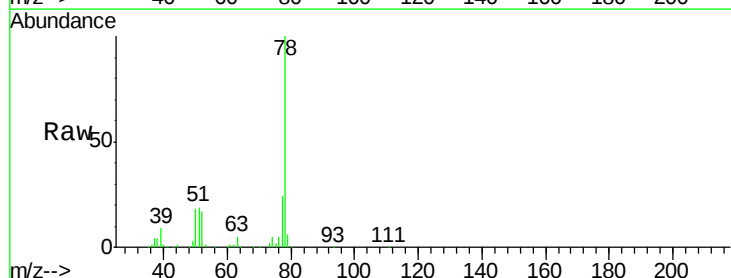
Manual Integrations
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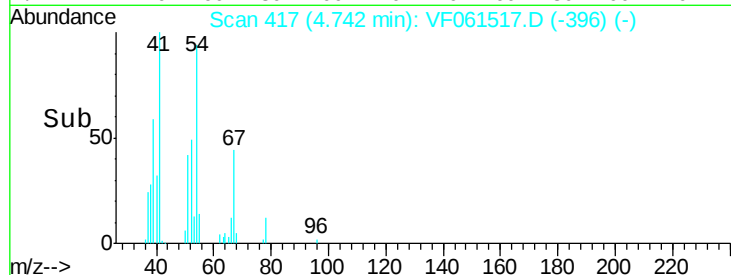
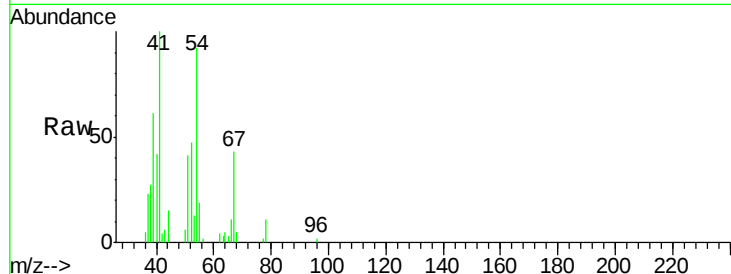
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#40
Benzene
Concen: 20.770 ug/l
RT: 4.63 min Scan# 406
Delta R.T. 0.01 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.6





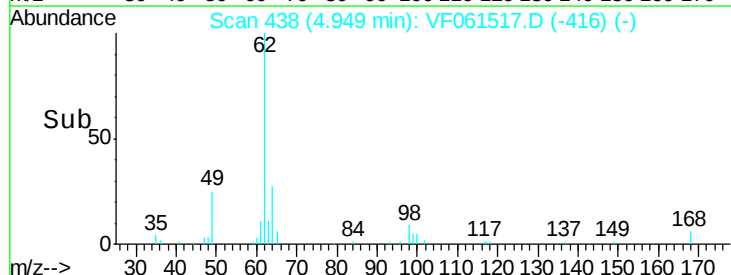
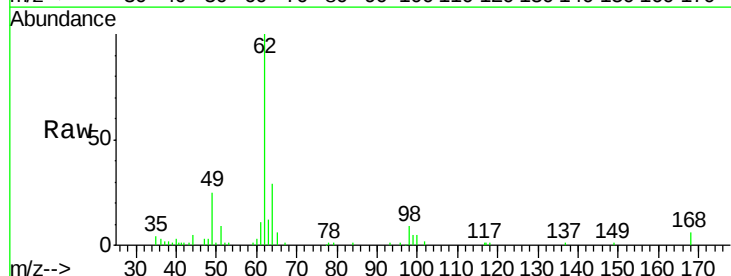
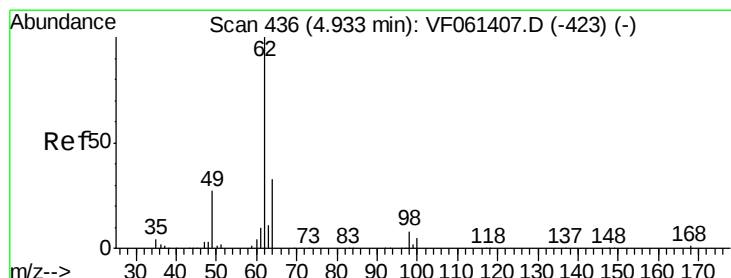
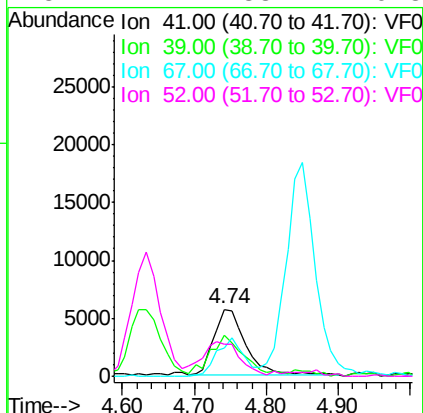
#41
Methacrylonitrile
Concen: 21.273 ug/l
RT: 4.74 min Scan# 417
Delta R.T. 0.01 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Tot Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	61.2	43.1	64.7
67	67	43.0	38.8	58.2
52	52	47.4	33.2	49.8

Instrument :
MSVOA_F
ClientSampleId :
VF01251SBS01

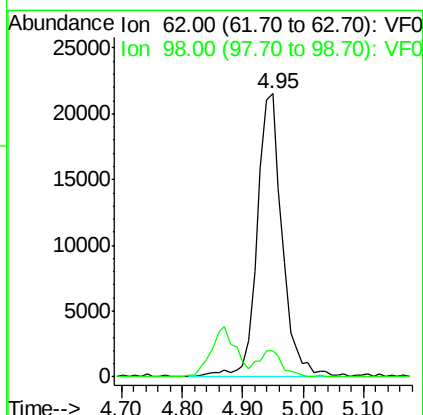
Manual Integrations
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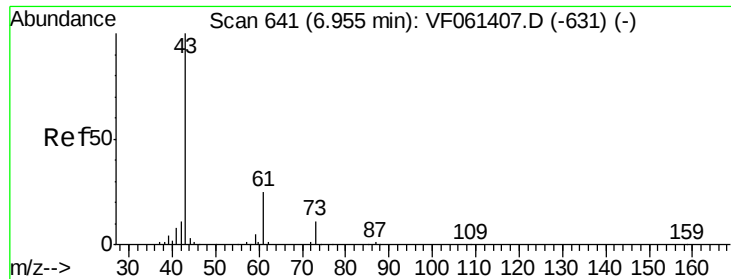
MMDadoda
1/28/2019 12:48:07 PM



#42
1,2-Dichloroethane
Concen: 20.162 ug/l
RT: 4.95 min Scan# 438
Delta R.T. 0.02 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
98	98	9.1	0.0	17.0





#43

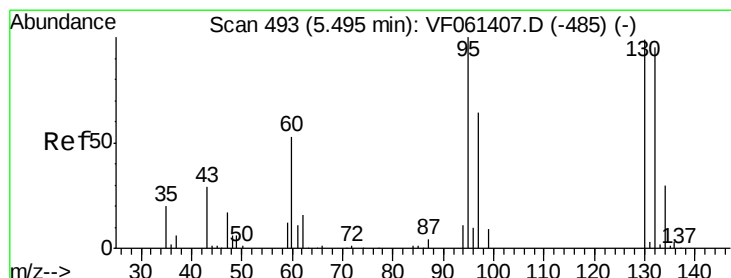
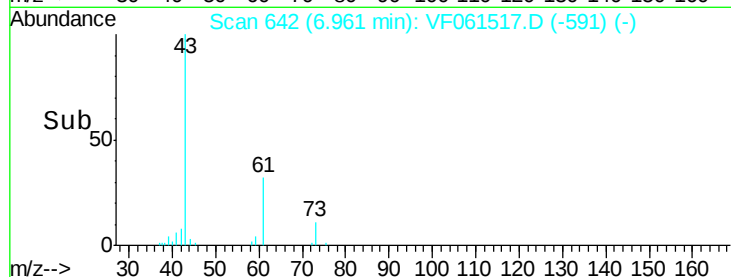
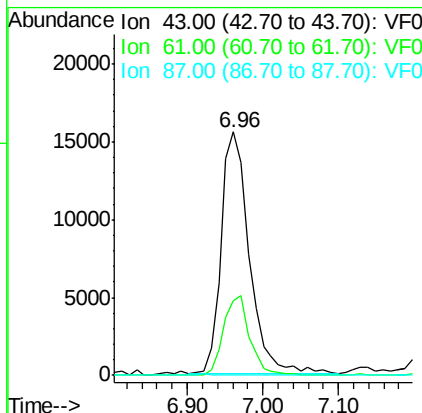
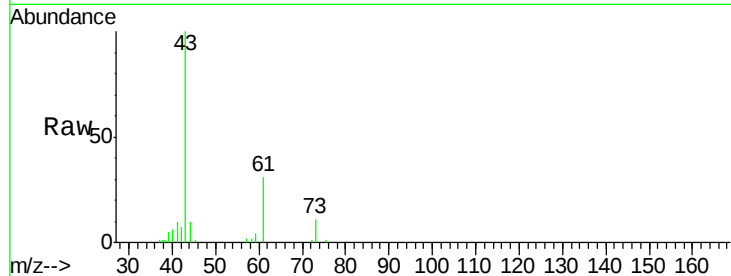
Isopropyl Acetate
 Concen: 20.573 ug/l
 RT: 6.96 min Scan# 642
 Delta R.T. 0.01 min
 Lab File: VF061517.D
 Acq: 25 Jan 2019 13:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF01251SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.6	20.3	30.5#
87	0.0	0.5	0.7#

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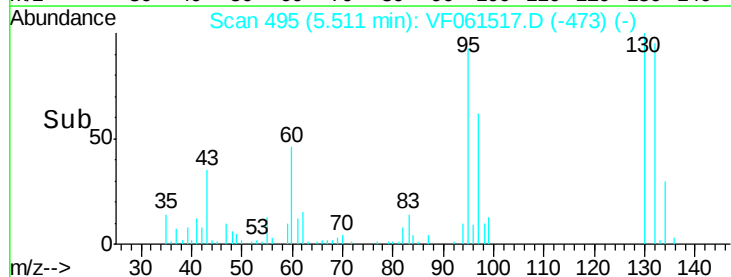
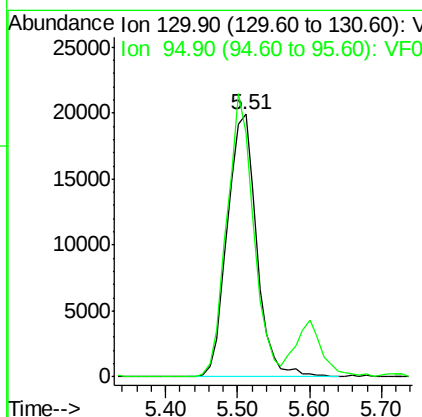
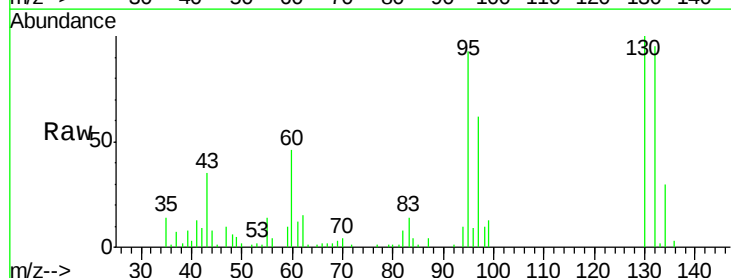
MMDadoda
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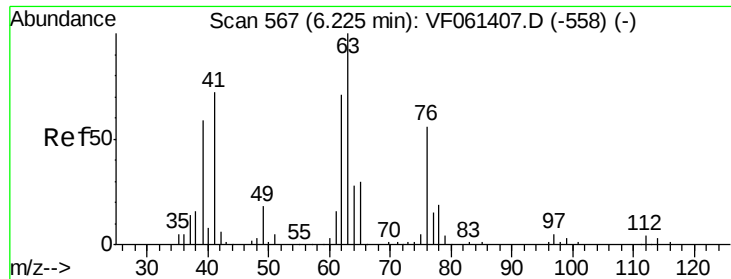


#44

Trichloroethene
 Concen: 21.322 ug/l
 RT: 5.51 min Scan# 495
 Delta R.T. 0.02 min
 Lab File: VF061517.D
 Acq: 25 Jan 2019 13:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	202.8





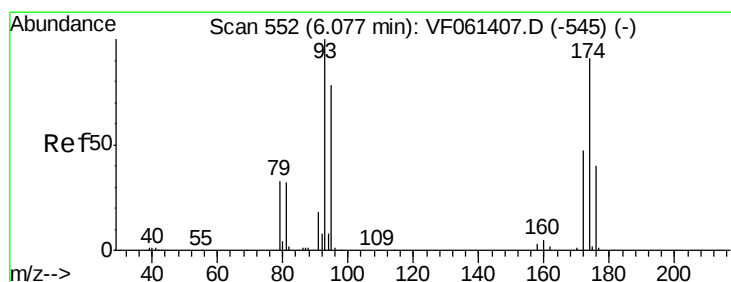
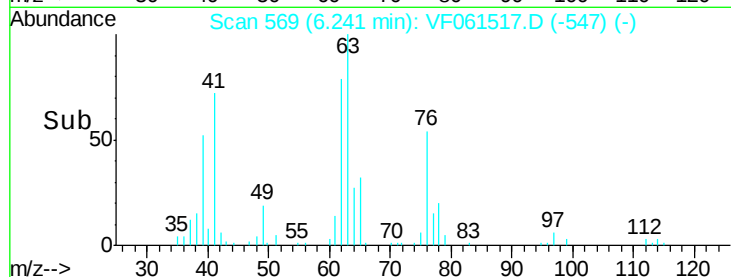
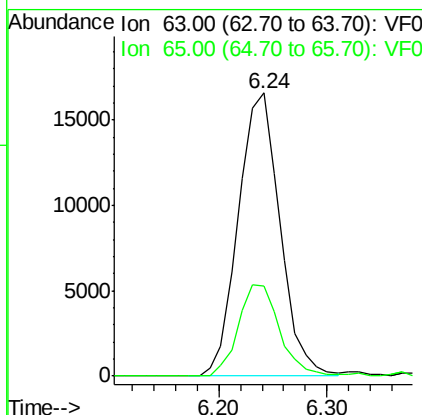
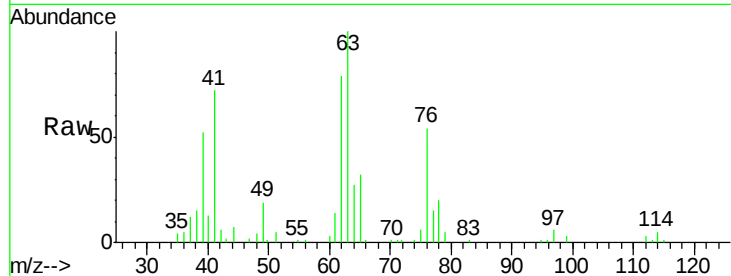
#45
 1,2-Dichloropropane
 Concen: 19.747 ug/l
 RT: 6.24 min Scan# 569
 Delta R.T. 0.02 min
 Lab File: VF061517.D
 Acq: 25 Jan 2019 13:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF01251SBSD01

Tot Ion: 63 Resp: 44721
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.4 36.6

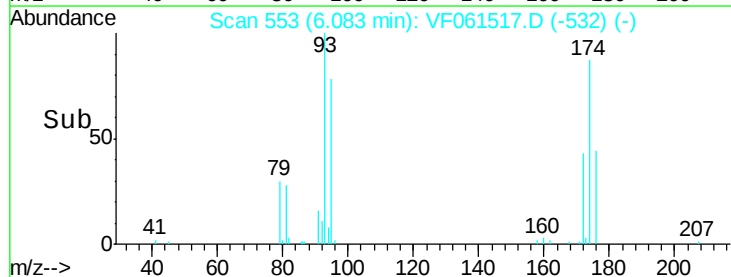
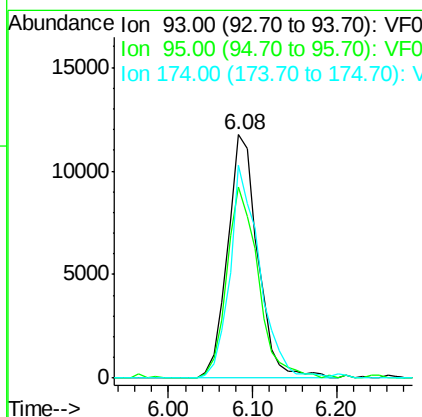
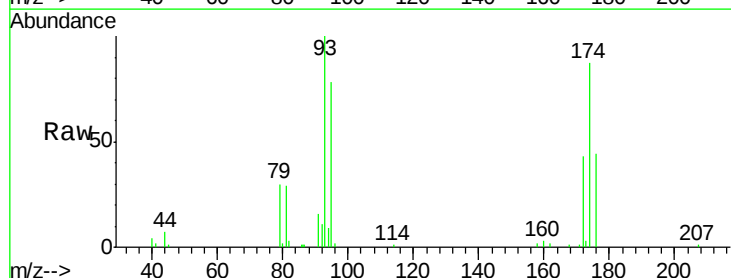
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#46
 Dibromomethane
 Concen: 19.496 ug/l
 RT: 6.08 min Scan# 553
 Delta R.T. 0.01 min
 Lab File: VF061517.D
 Acq: 25 Jan 2019 13:13

Tgt Ion: 93 Resp: 29359
 Ion Ratio Lower Upper
 93 100
 95 78.3 62.1 93.1
 174 87.3 74.6 111.8





#47

Bromodichloromethane

Concen: 20.644 ug/l

RT: 6.39 min Scan# 584

Delta R.T. 0.02 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :

MSVOA_F

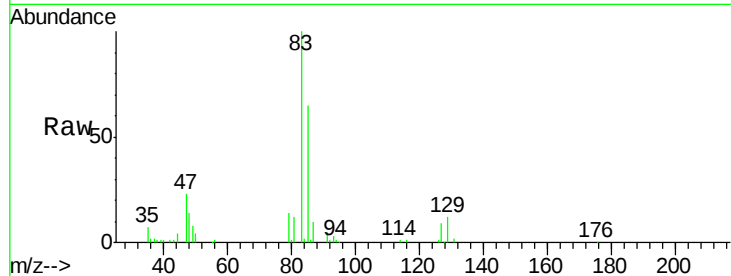
ClientSampleId :

VF01251SBS01

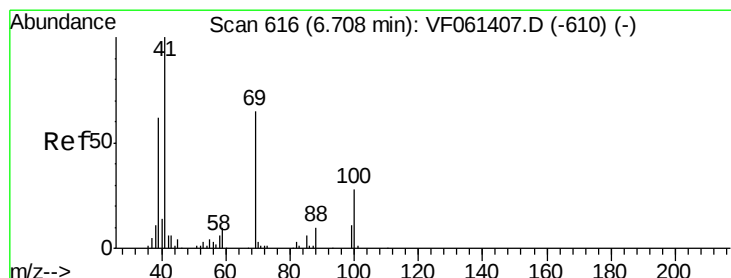
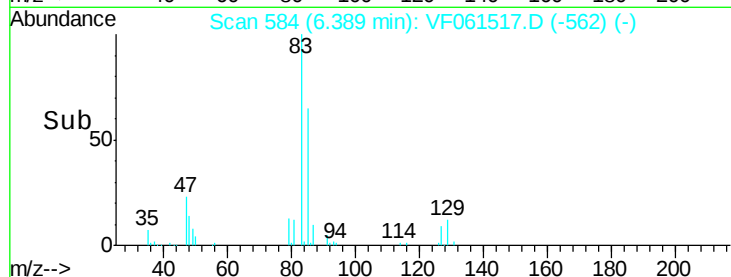
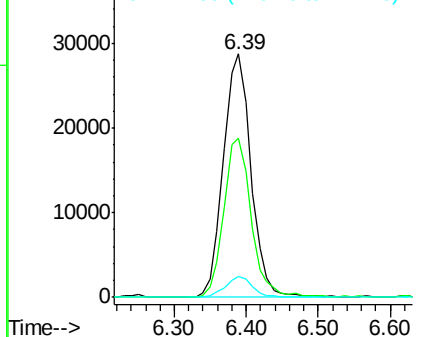
Tot Ion:	83	Resp:	76917
Ion	Ratio	Lower	Upper
83	100		
85	65.3	53.0	79.4
127	8.8	6.9	10.3

Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 20.851 ug/l

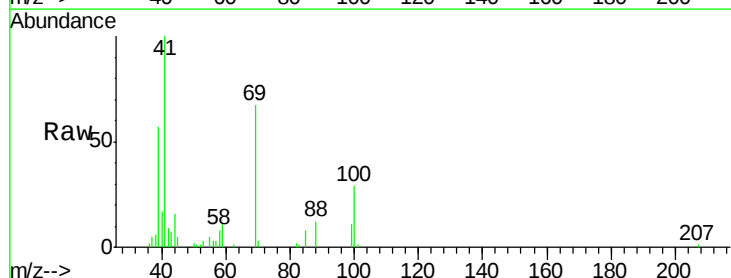
RT: 6.71 min Scan# 617

Delta R.T. 0.01 min

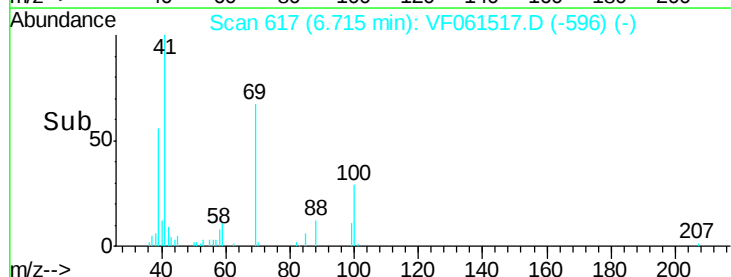
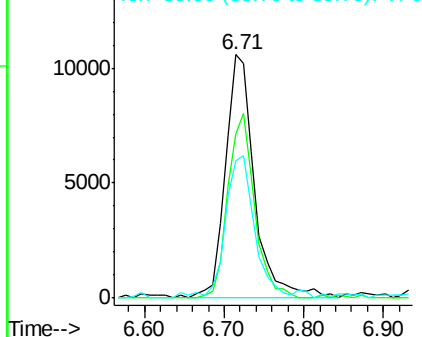
Lab File: VF061517.D

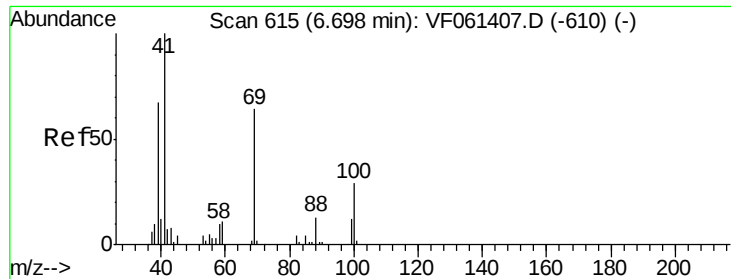
Acq: 25 Jan 2019 13:13

Tgt Ion:	41	Resp:	27240
Ion	Ratio	Lower	Upper
41	100		
69	67.3	51.7	77.5
39	56.6	49.2	73.8



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





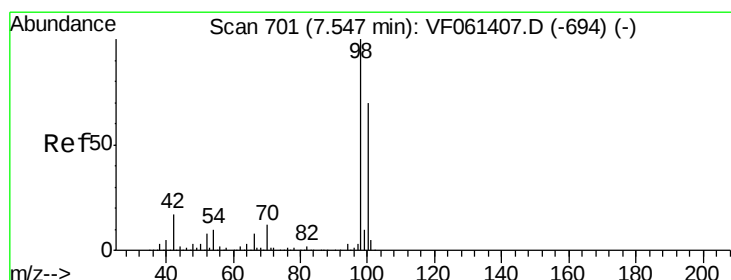
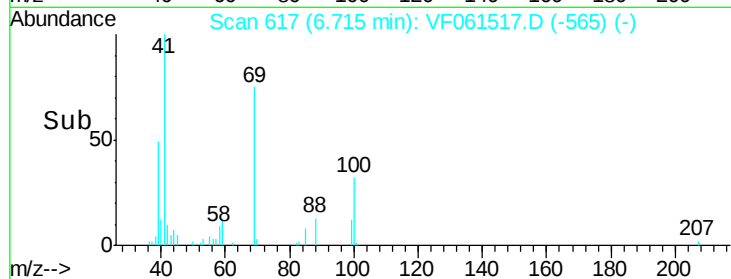
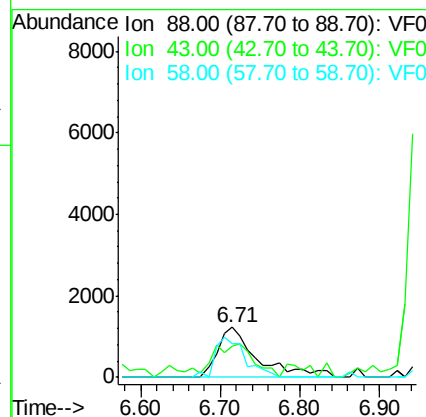
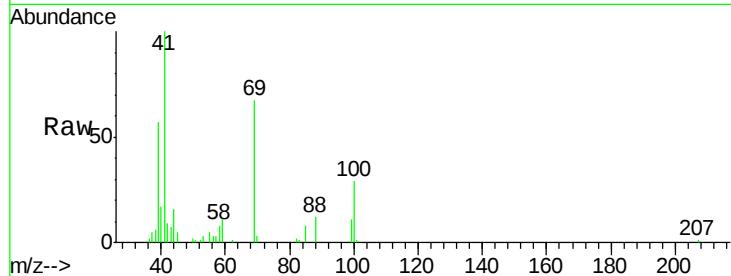
#49
1,4-Dioxane
Concen: 427.994 ug/l
RT: 6.71 min Scan# 617
Delta R.T. 0.02 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
VF01251SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	4265		
43	63.6		55.5	83.3
58	67.8		59.9	89.9

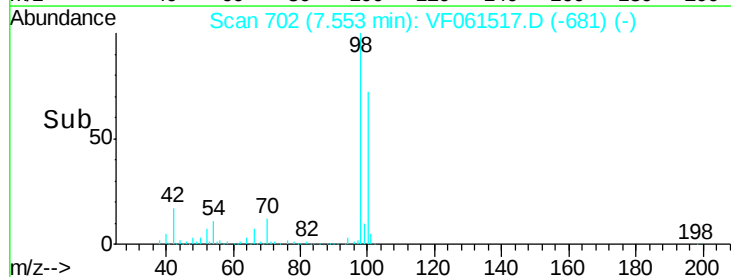
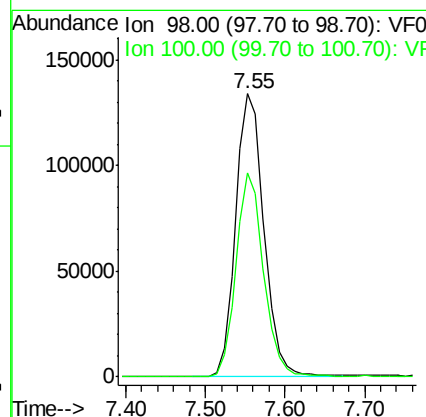
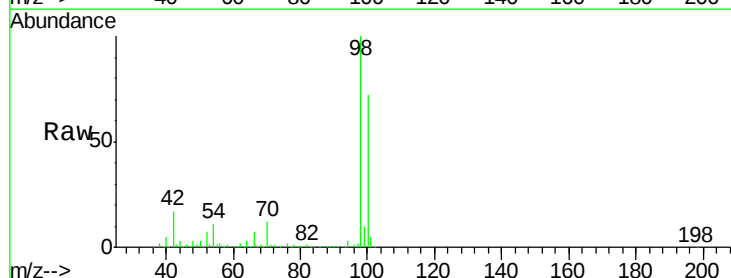
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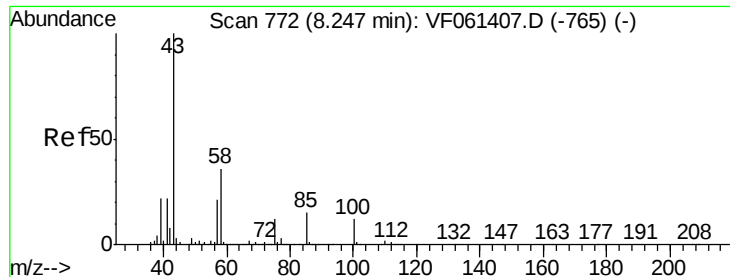
MMDadoda
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#50
Toluene-d8
Concen: 46.016 ug/l
RT: 7.55 min Scan# 702
Delta R.T. 0.01 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	332727		
100	72.3		55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 106.331 ug/l

RT: 8.26 min Scan# 774

Delta R.T. 0.02 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

VF01251SBS01

Tot Ion: 43 Resp: 152078

Ion Ratio Lower Upper

43 100

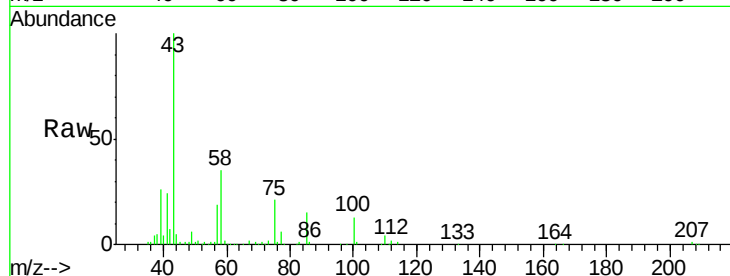
58 34.6 28.8 43.2

Manual Integrations

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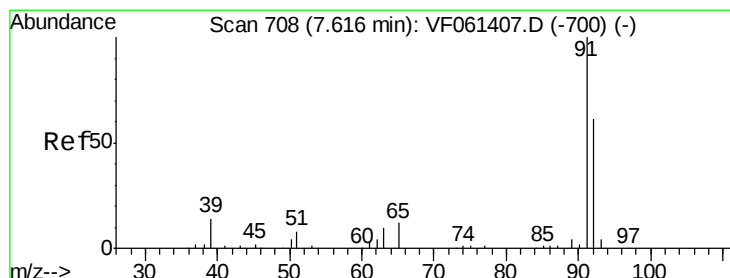
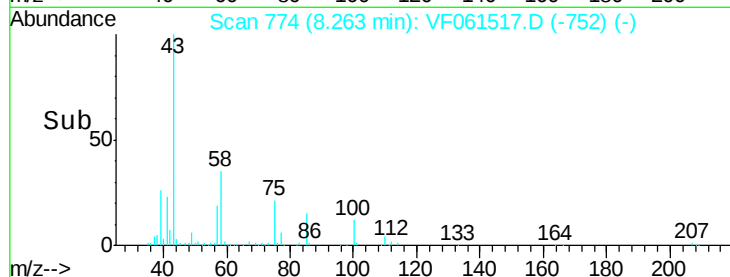
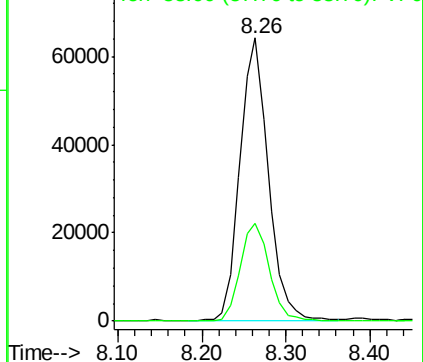
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.093 ug/l

RT: 7.62 min Scan# 709

Delta R.T. 0.01 min

Lab File: VF061517.D

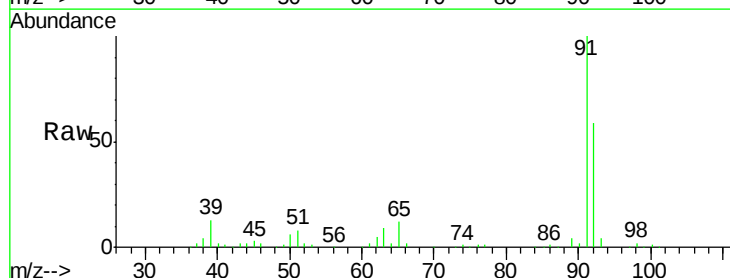
Acq: 25 Jan 2019 13:13

Tgt Ion: 92 Resp: 114179

Ion Ratio Lower Upper

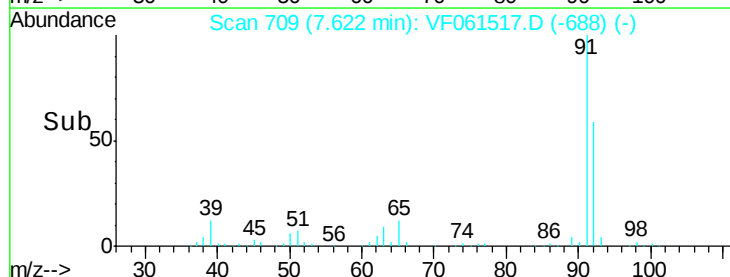
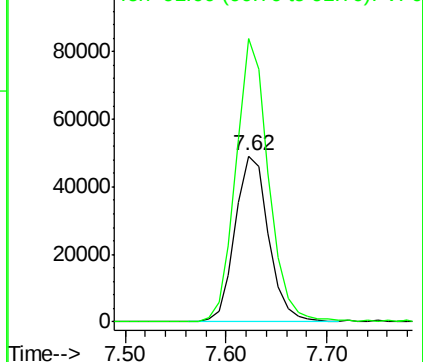
92 100

91 170.8 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





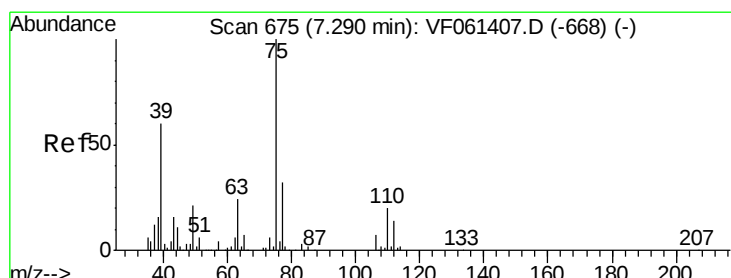
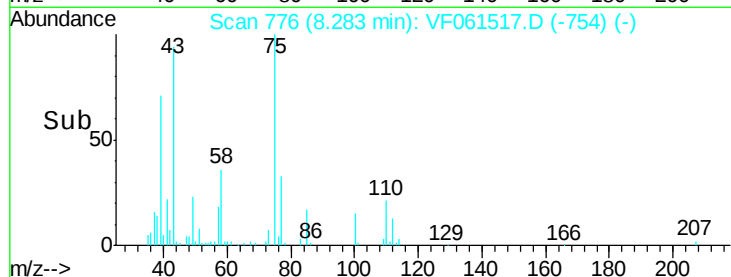
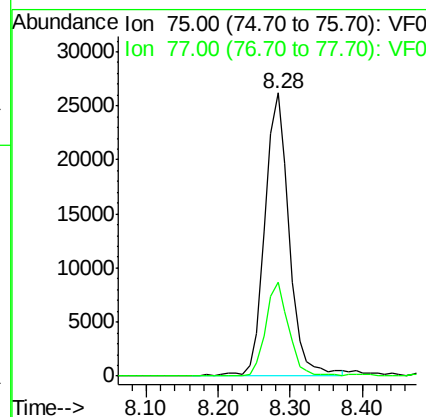
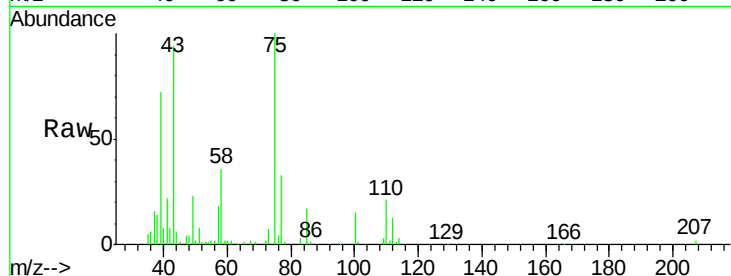
#53
t-1,3-Dichloropropene
Concen: 20.794 ug/l
RT: 8.28 min Scan# 776
Delta R.T. 0.02 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
VF01251SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.4	24.4	36.6

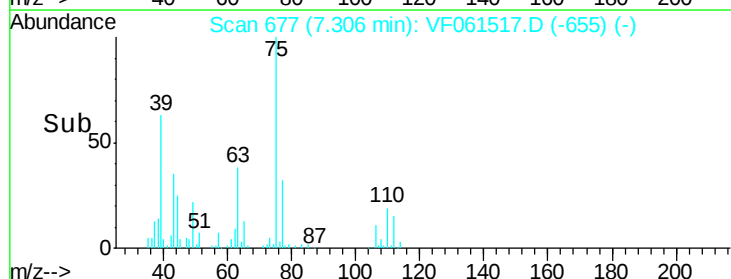
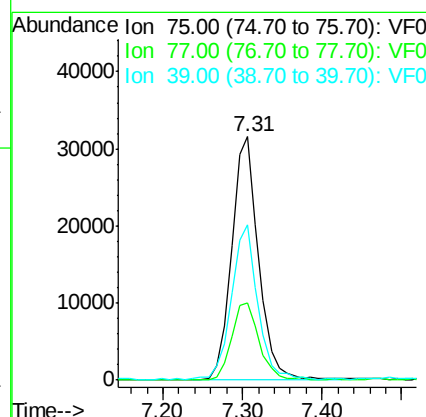
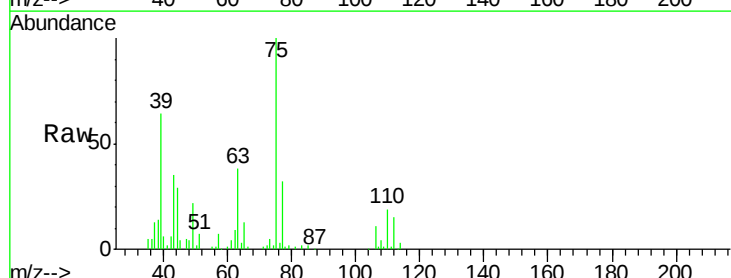
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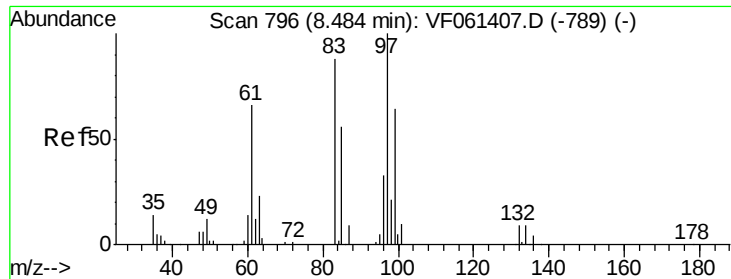
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#54
cis-1,3-Dichloropropene
Concen: 20.204 ug/l
RT: 7.31 min Scan# 677
Delta R.T. 0.02 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.0
39	63.6	47.8	71.8





#55

1,1,2-Trichloroethane

Concen: 21.023 ug/l

RT: 8.49 min Scan# 797

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :

MSVOA_F

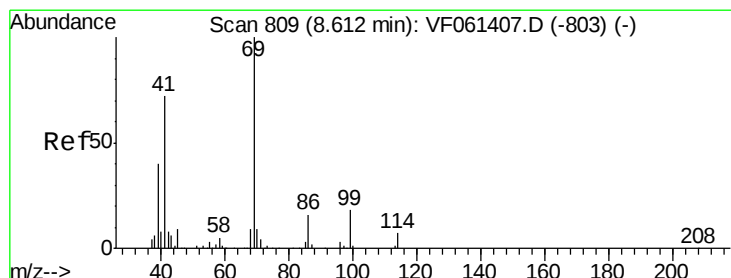
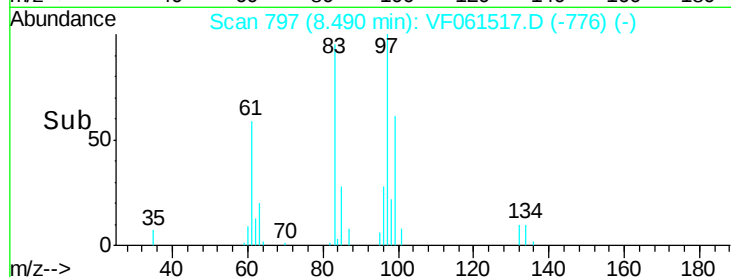
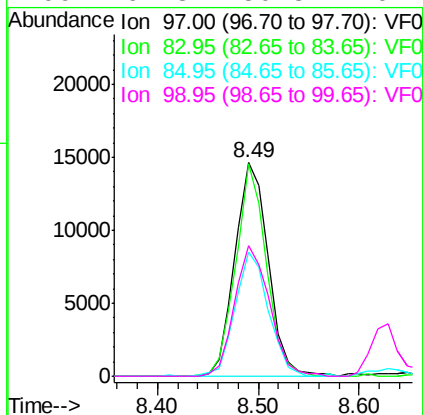
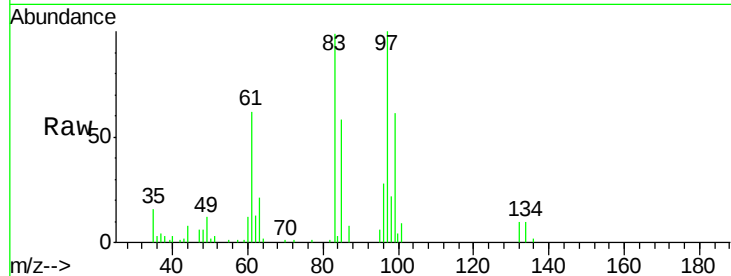
ClientSampleId :

VF01251SBS01

Tot Ion:	97	Resp:	33923
Ion	Ratio	Lower	Upper
97	100		
83	99.3	70.4	105.6
85	58.4	44.7	67.1
99	61.3	50.8	76.2

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#56

Ethyl methacrylate

Concen: 21.275 ug/l

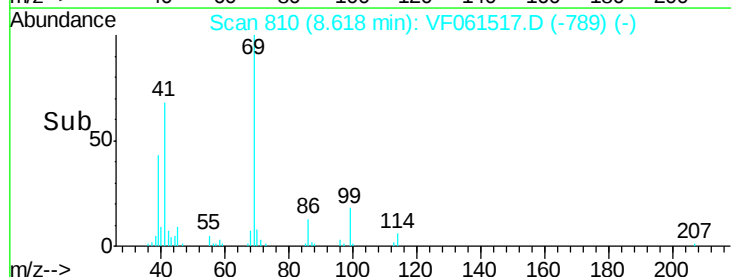
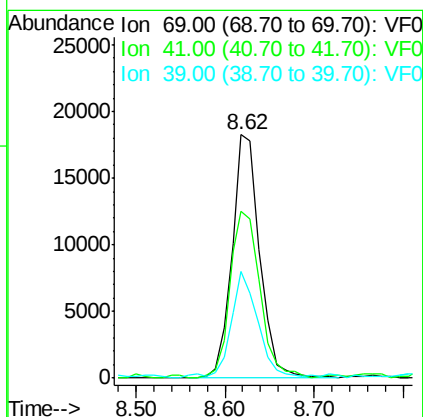
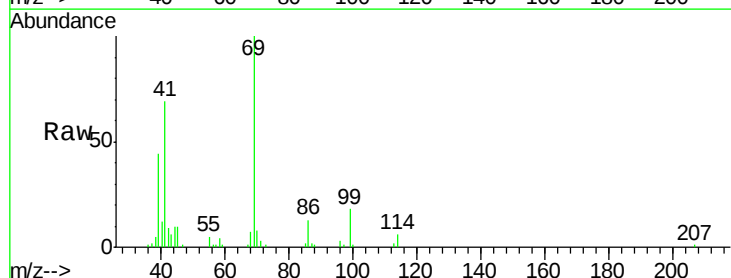
RT: 8.62 min Scan# 810

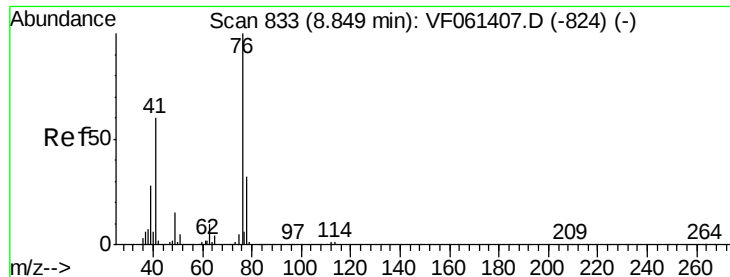
Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Tgt Ion:	69	Resp:	39941
Ion	Ratio	Lower	Upper
69	100		
41	68.7	57.5	86.3
39	44.0	32.0	48.0





#57

1,3-Dichloropropane

Concen: 19.795 ug/l

RT: 8.86 min Scan# 834

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

VF01251SBSD01

Tot Ion: 76 Resp: 59871

Ion Ratio Lower Upper

76 100

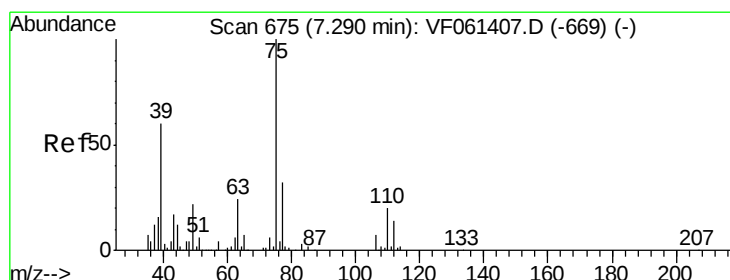
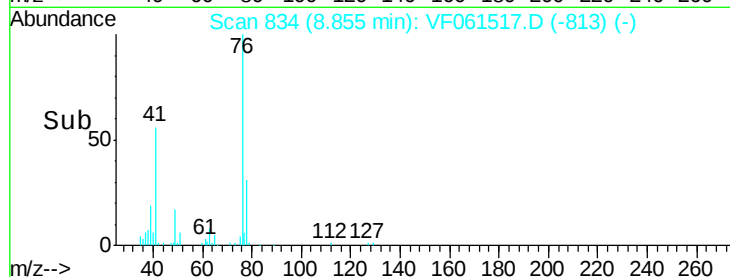
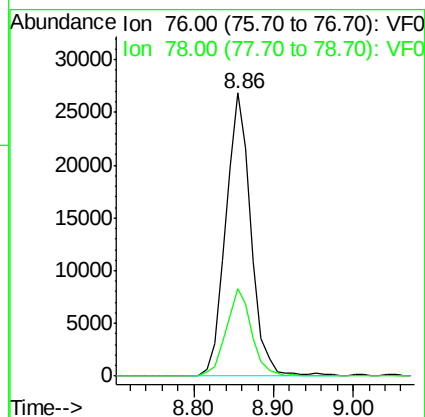
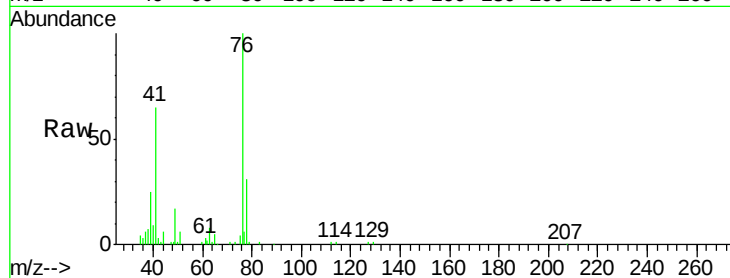
78 30.8 25.3 37.9

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#58

2-Chloroethyl Vinyl ether

Concen: 179.494 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.01 min

Lab File: VF061517.D

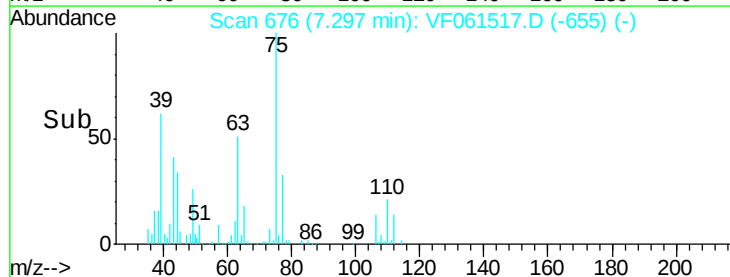
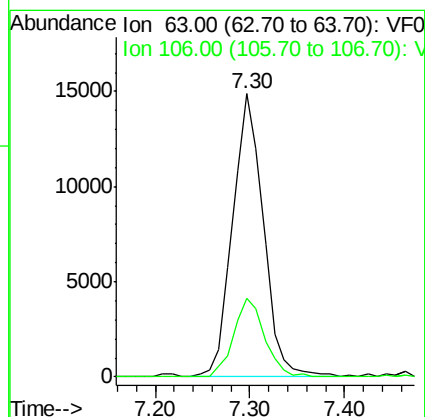
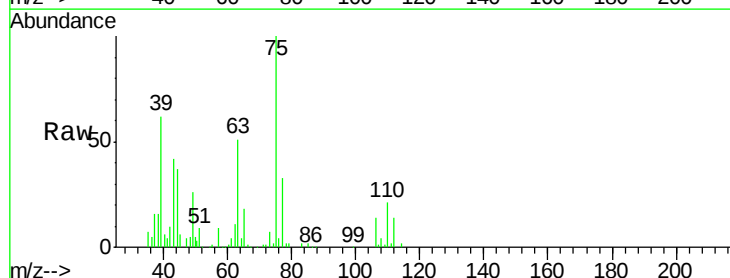
Acq: 25 Jan 2019 13:13

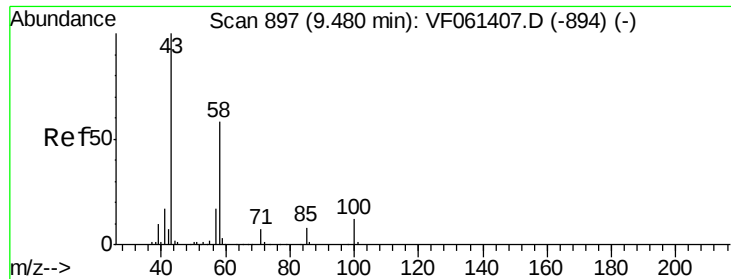
Tgt Ion: 63 Resp: 33619

Ion Ratio Lower Upper

63 100

106 27.9 21.9 32.9





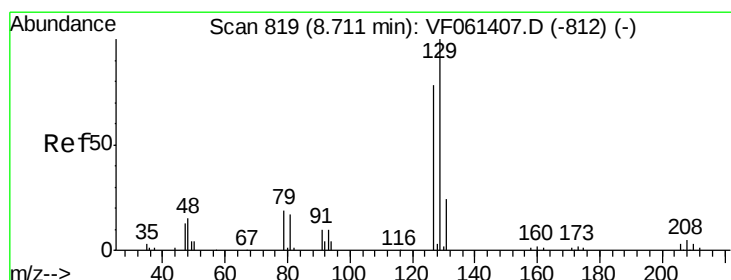
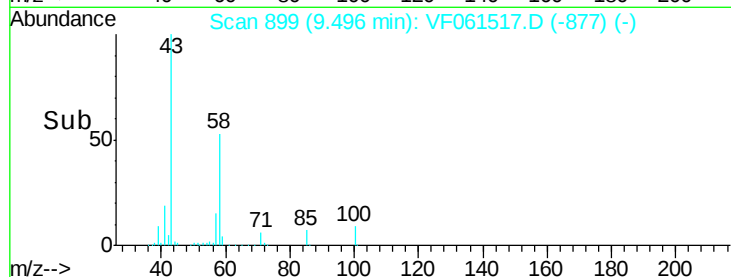
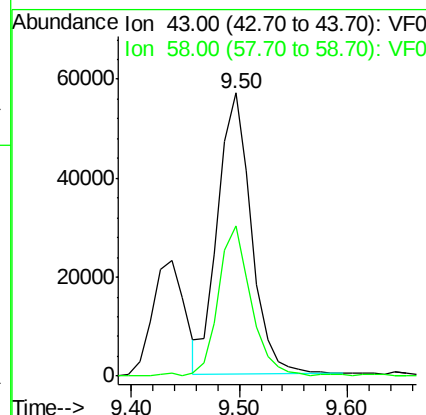
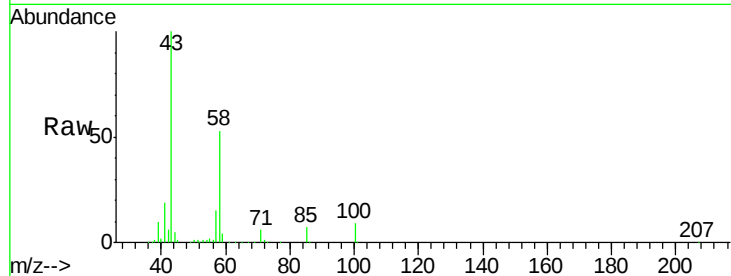
#59
2-Hexanone
Concen: 123.042 ug/l
RT: 9.50 min Scan# 899
Delta R.T. 0.02 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
VF01251SBSD01

Tot Ion: 43 Resp: 122713
Ion Ratio Lower Upper
43 100
58 53.0 25.9 77.6

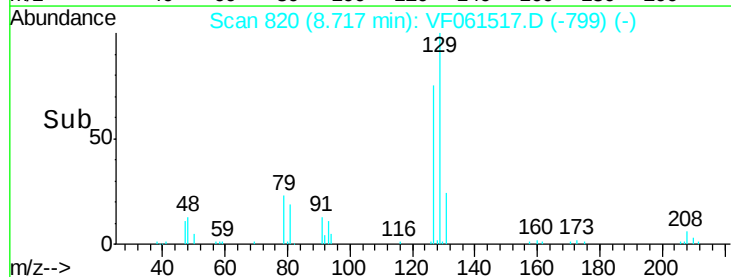
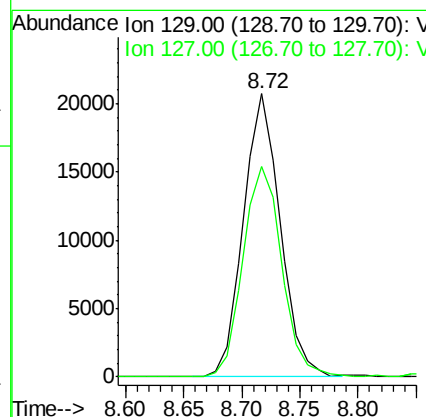
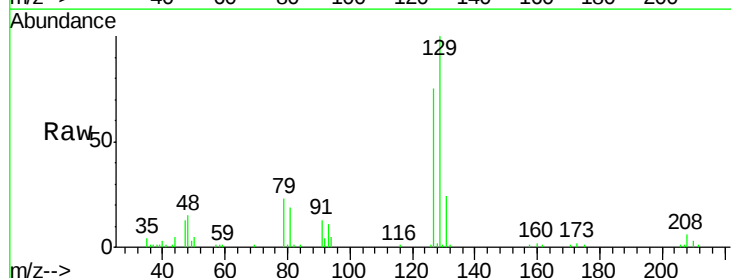
Manual Integrations
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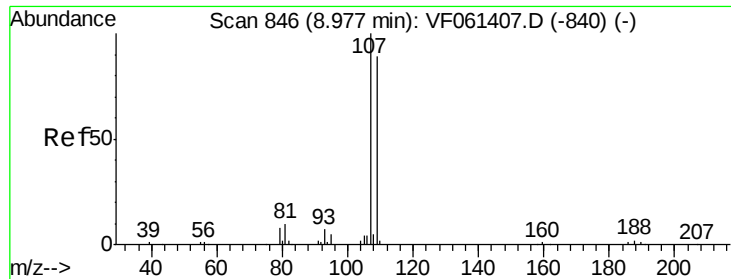
MMDadoda
1/28/2019 12:48:07 PM



#60
Dibromochloromethane
Concen: 19.315 ug/l
RT: 8.72 min Scan# 820
Delta R.T. 0.01 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Tgt Ion:129 Resp: 45564
Ion Ratio Lower Upper
129 100
127 74.5 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.342 ug/l

RT: 8.99 min Scan# 848

Delta R.T. 0.02 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

VF01251SBS01

Tot Ion:107 Resp: 35730

Ion Ratio Lower Upper

107 100

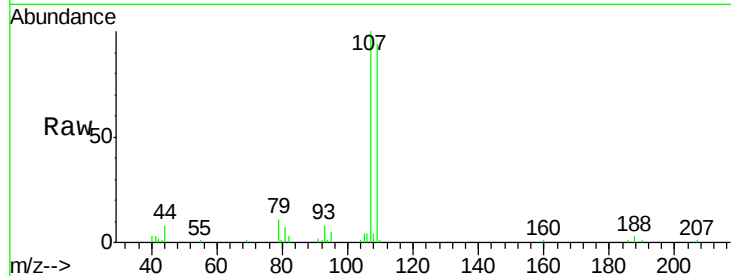
109 94.5 70.8 106.2

Manual Integrations

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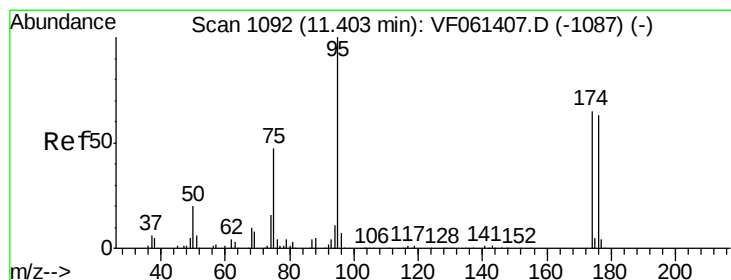
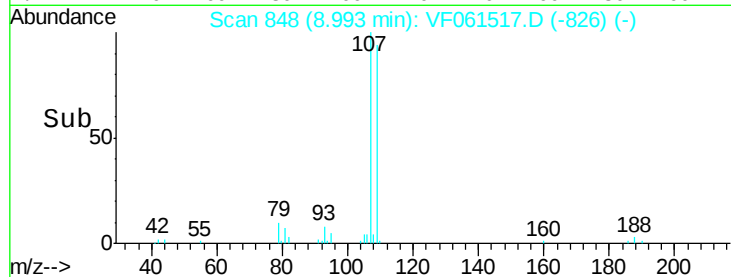
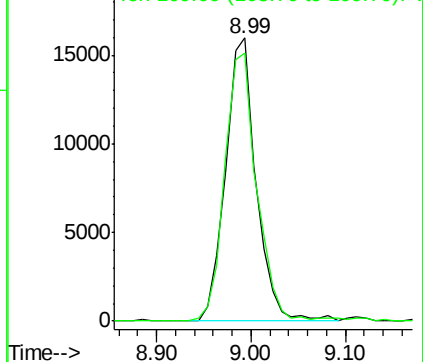
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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 46.802 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

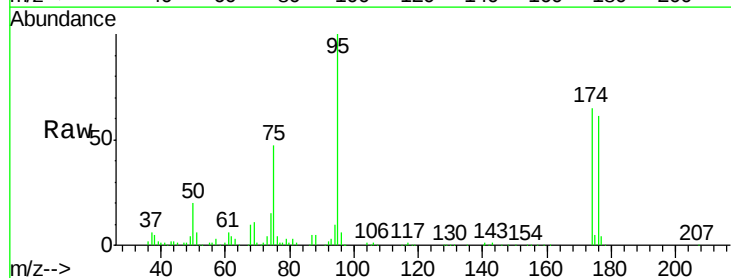
Tgt Ion: 95 Resp: 158116

Ion Ratio Lower Upper

95 100

174 65.2 0.0 130.4

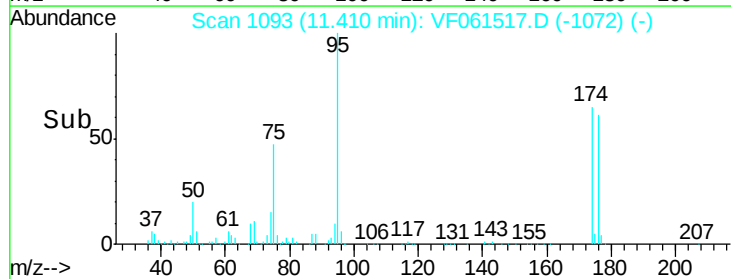
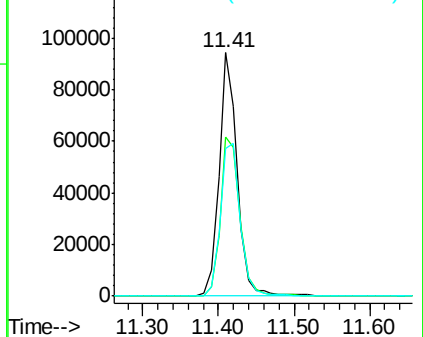
176 60.6 0.0 126.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 927

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :

MSVOA_F

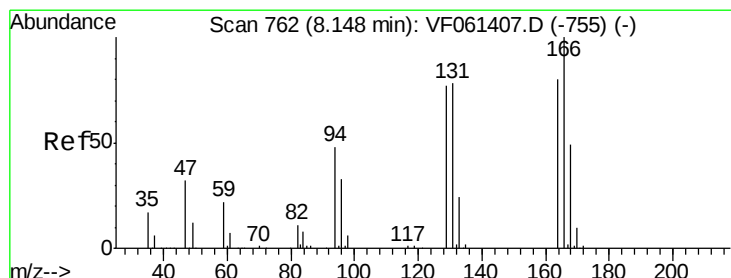
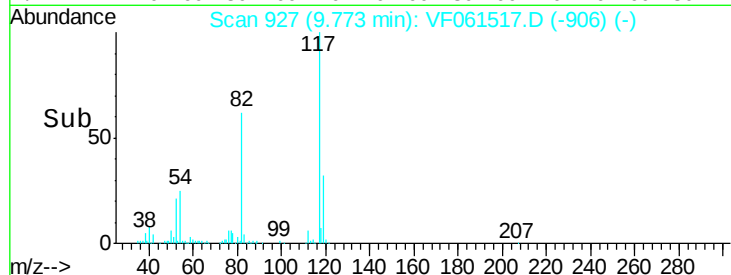
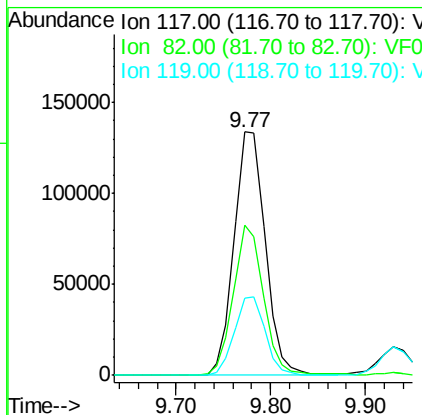
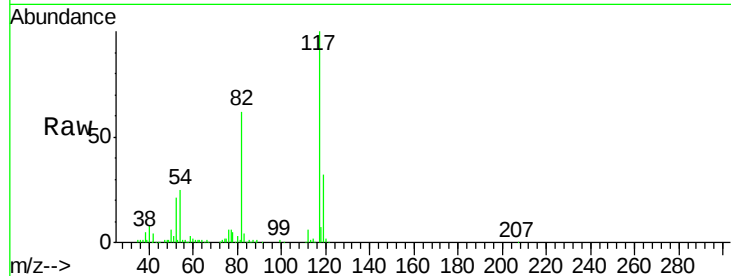
ClientSampleId :

VF01251SBS01

Tot Ion:	117	Resp:	308499
Ion Ratio	Lower	Upper	
117	100		
82	61.6	46.4	69.6
119	31.9	27.2	40.8

Manual Integrations
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#64

Tetrachloroethene

Concen: 18.253 ug/l

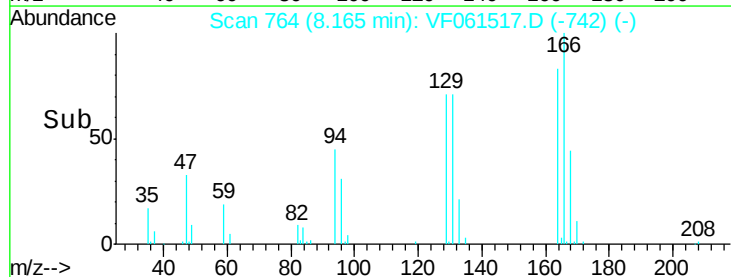
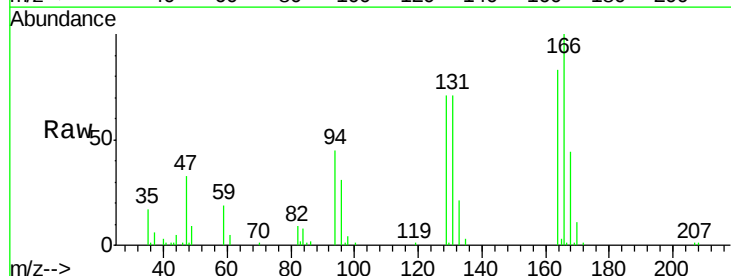
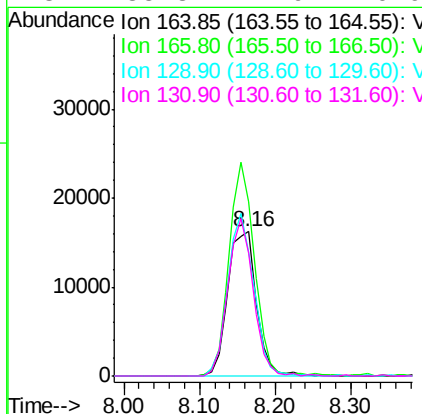
RT: 8.16 min Scan# 764

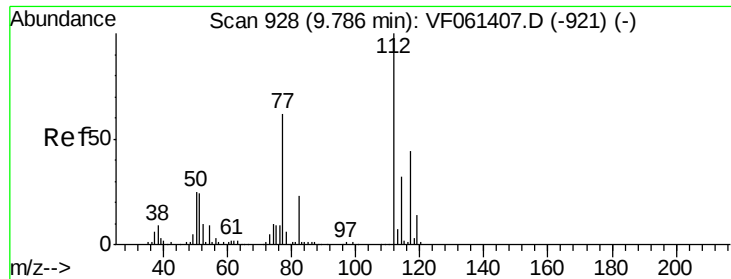
Delta R.T. 0.02 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Tgt Ion:	164	Resp:	42346
Ion Ratio	Lower	Upper	
164	100		
166	120.6	99.6	149.4
129	86.0	76.4	114.6
131	85.3	77.9	116.9





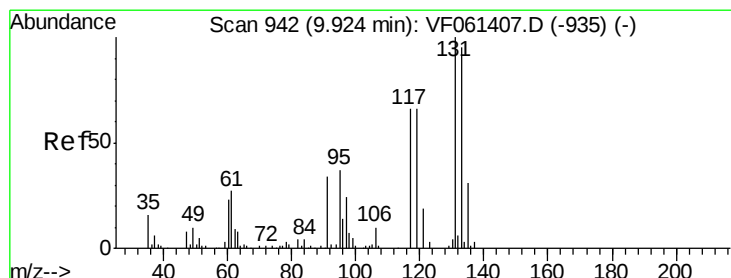
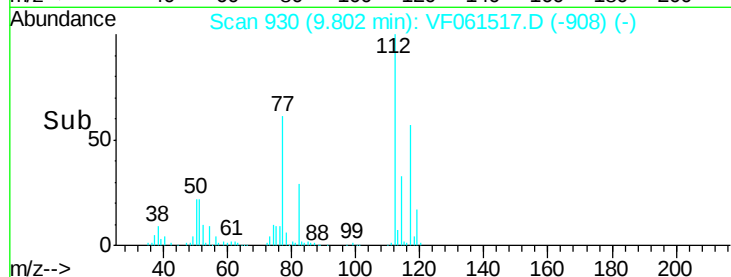
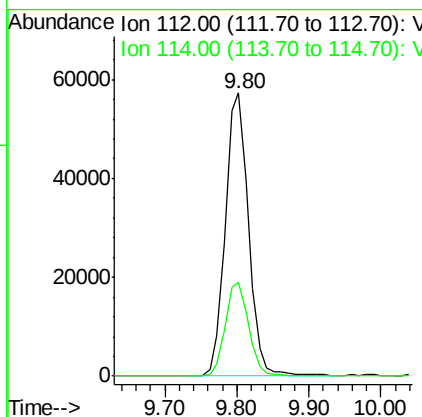
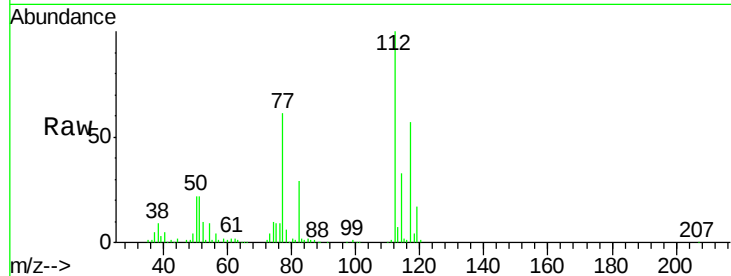
#65
Chlorobenzene
Concen: 20.483 ug/l
RT: 9.80 min Scan# 930
Delta R.T. 0.02 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
VF01251SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	128502		
114	33.4	25.4	38.0	

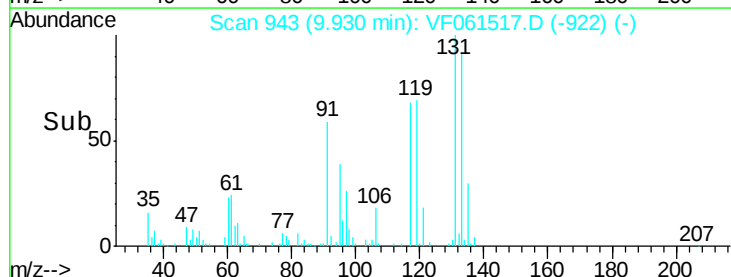
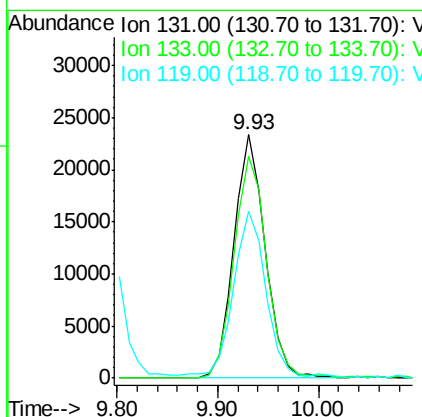
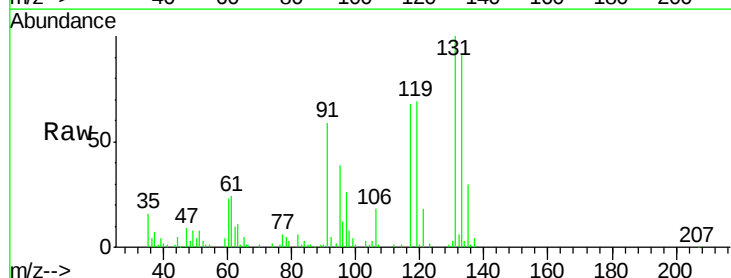
Manual Integrations
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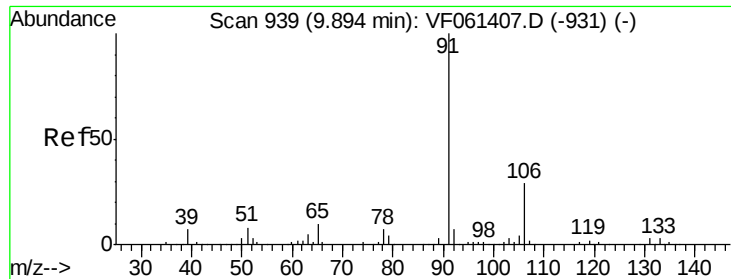
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.146 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.01 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	50348		
133	90.9	47.4	142.2	
119	68.6	33.1	99.3	





#67

Ethyl Benzene

Concen: 20.575 ug/l

RT: 9.90 min Scan# 940

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

VF01251SBS01

Tot Ion: 91 Resp: 235831

Ion Ratio Lower Upper

91 100

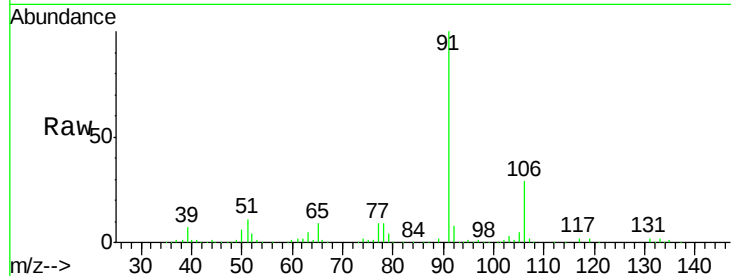
106 29.0 23.1 34.7

Manual Integrations

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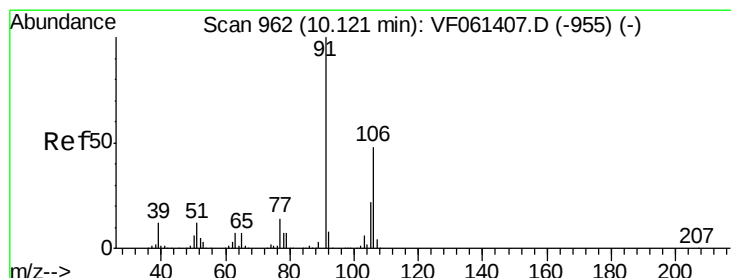
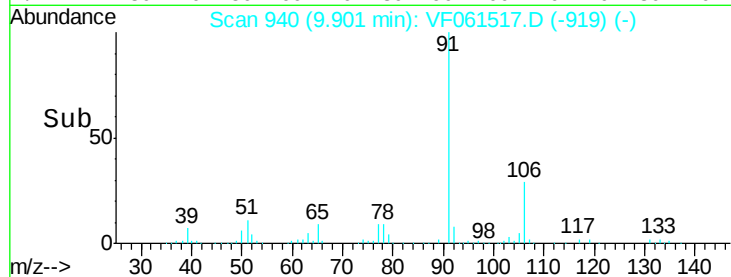
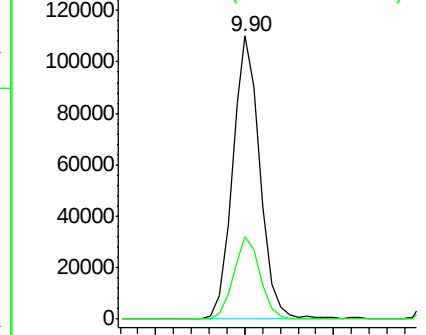
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 40.310 ug/l

RT: 10.14 min Scan# 964

Delta R.T. 0.02 min

Lab File: VF061517.D

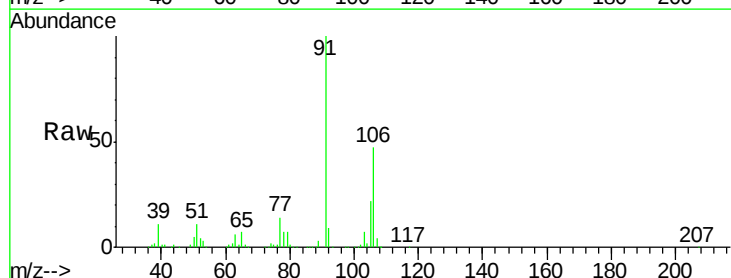
Acq: 25 Jan 2019 13:13

Tgt Ion: 106 Resp: 166180

Ion Ratio Lower Upper

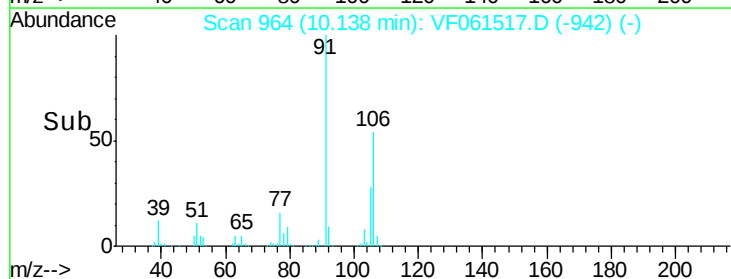
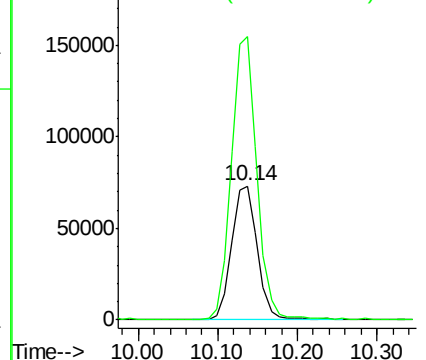
106 100

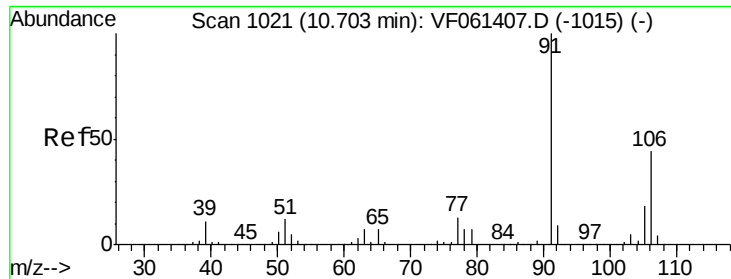
91 211.7 166.2 249.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





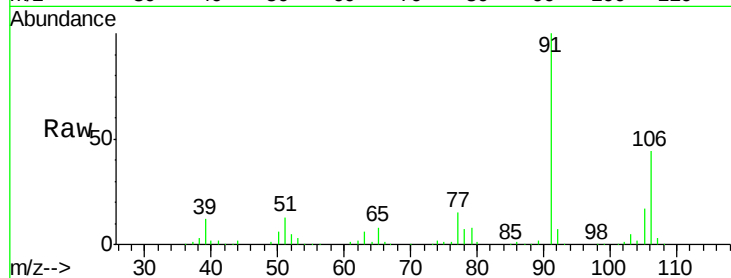
#69
o-Xylene
Concen: 18.976 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
VF01251SBS01

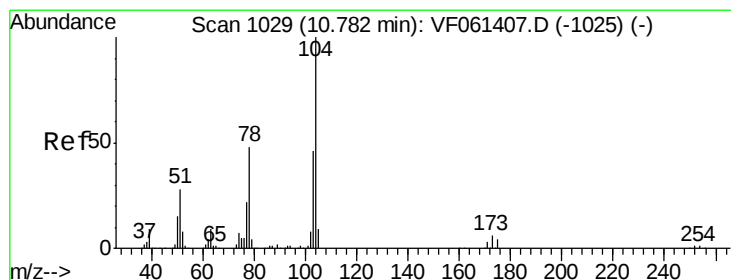
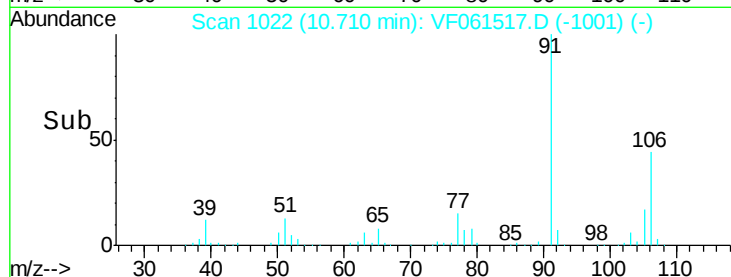
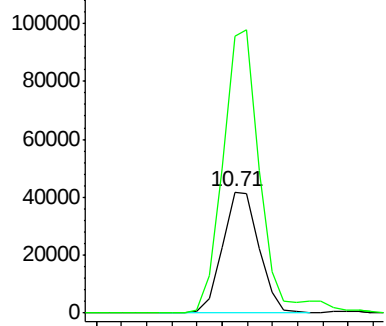
Tot Ion:106 Resp: 84788
Ion Ratio Lower Upper
106 100
91 229.0 113.3 339.8

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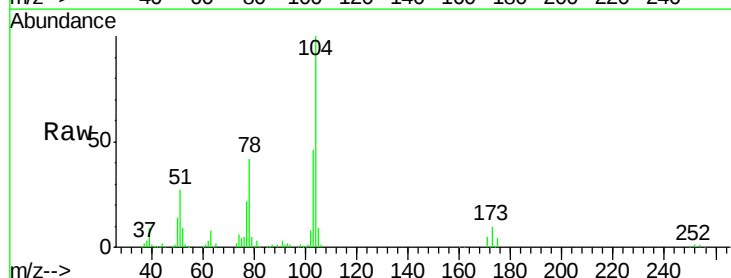


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

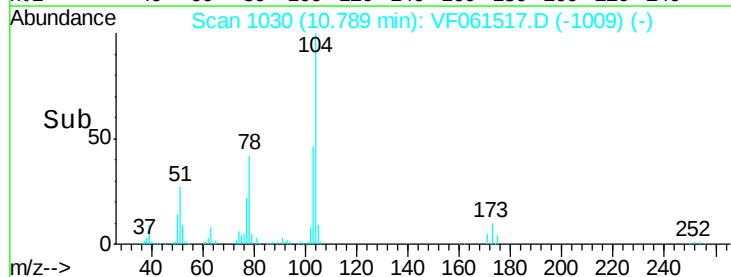
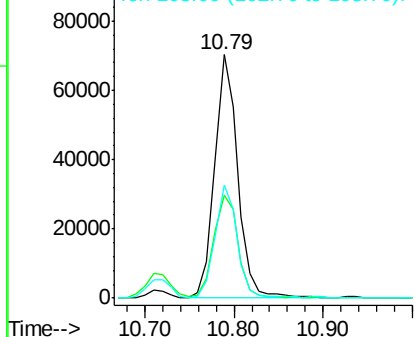


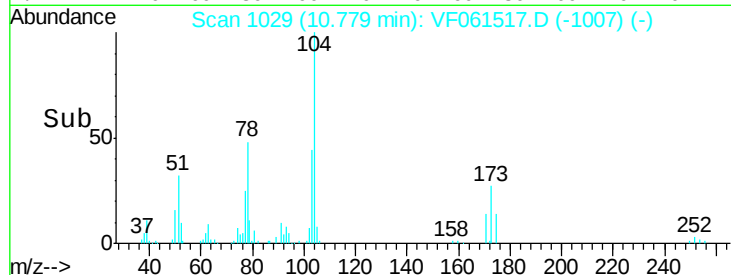
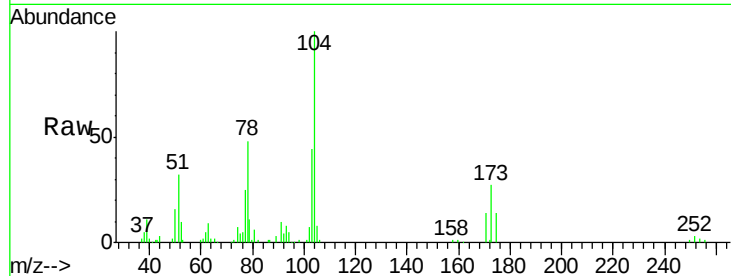
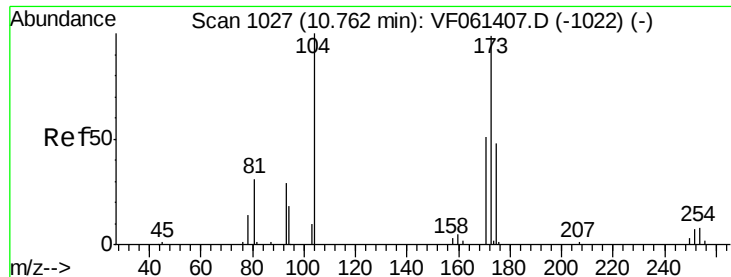
#70
Styrene
Concen: 20.833 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Tgt Ion:104 Resp: 127414
Ion Ratio Lower Upper
104 100
78 42.5 38.8 58.2
103 46.3 37.0 55.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V





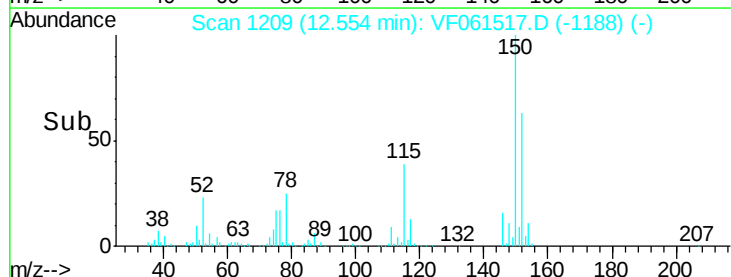
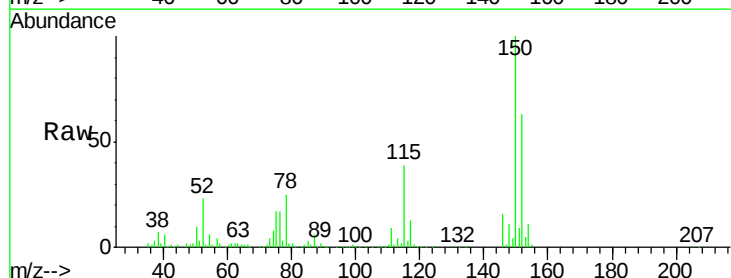
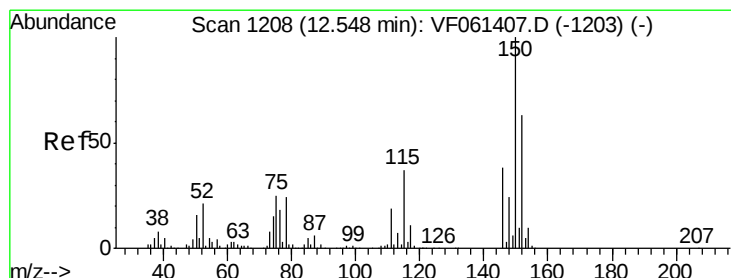
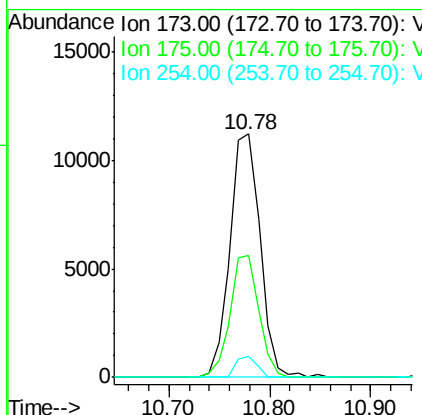
#71
Bromoform
Concen: 20.793 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. 0.02 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.2	24.1	72.4
254	8.4	0.0	0.0#

Instrument :
MSVOA_F
ClientSampleId :
VF01251SBS01

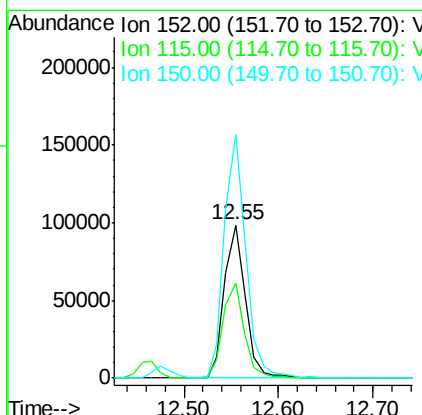
Manual Integrations
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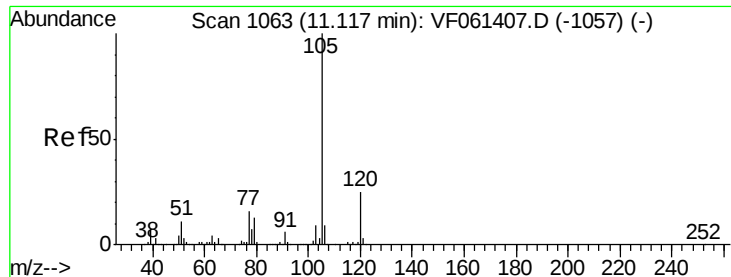
MMDadoda
1/28/2019 12:48:07 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. 0.01 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.9	30.0	90.0
150	159.1	0.0	321.4





#73

Isopropylbenzene

Concen: 21.054 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

VF01251SBS01

Tot Ion:105 Resp: 261092

Ion Ratio Lower Upper

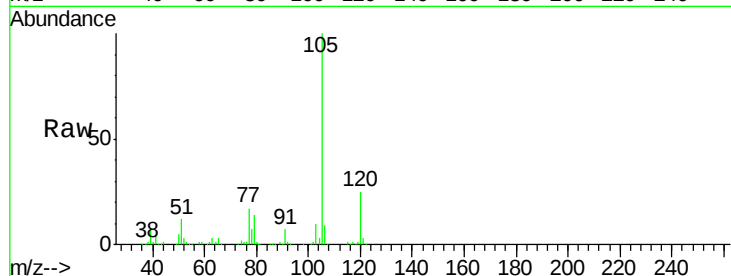
105 100

120 25.2 12.6 37.8

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.12

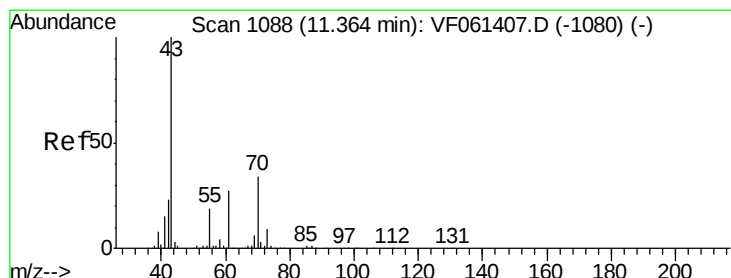
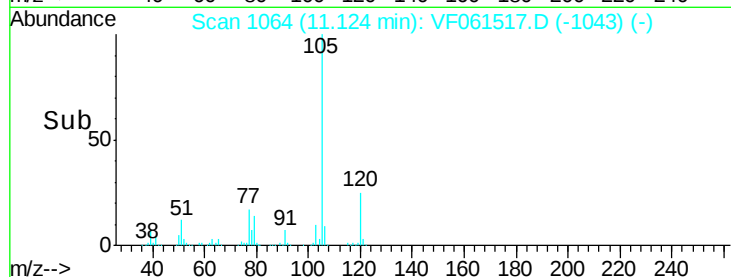
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 24.137 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Tgt Ion: 43 Resp: 70780

Ion Ratio Lower Upper

43 100

70 35.4 27.6 41.4

55 19.7 15.4 23.2

61 25.5 21.8 32.6

Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

60000

50000

40000

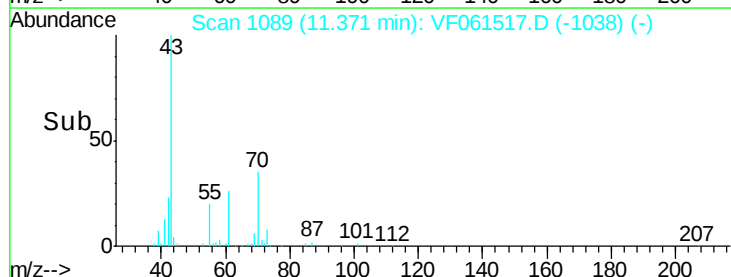
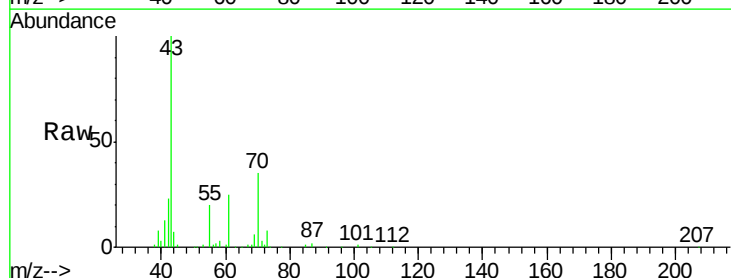
30000

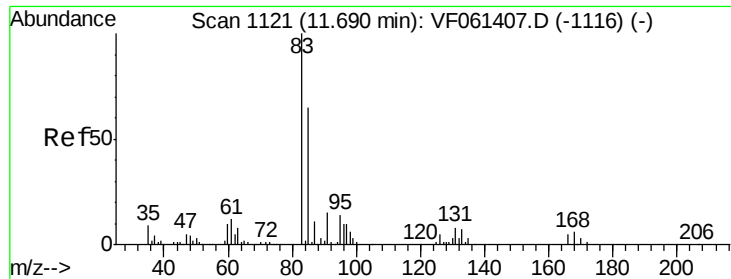
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.429 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :

MSVOA_F

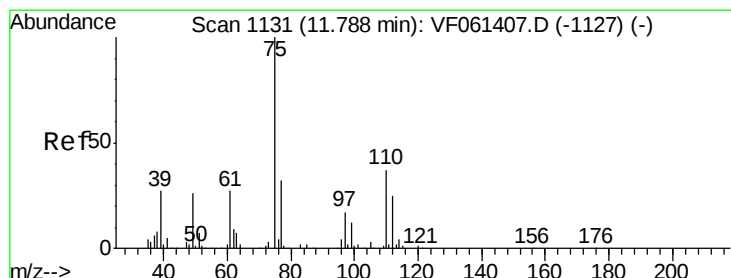
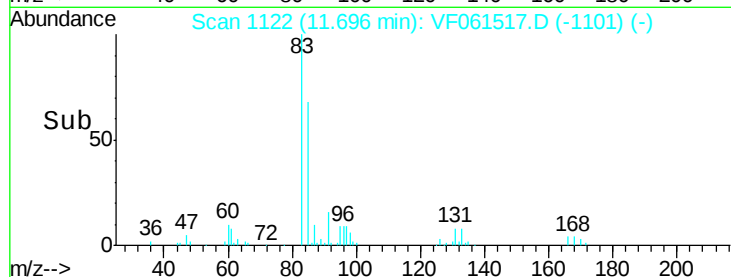
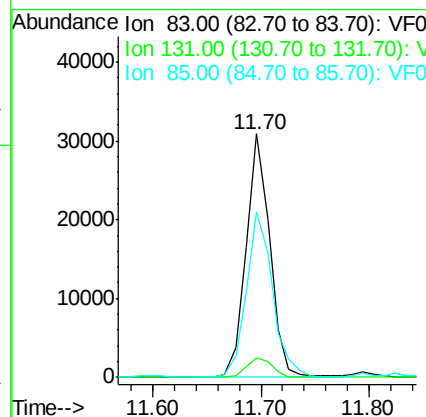
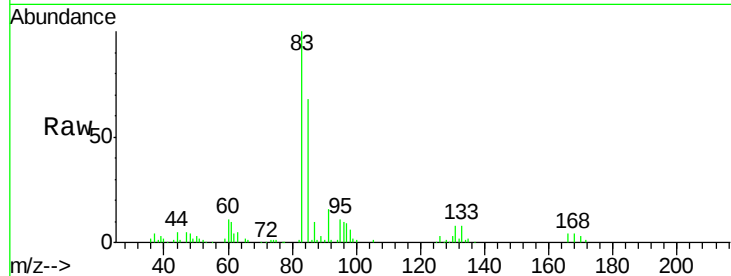
ClientSampleId :

VF01251SBS01

Tot Ion	83	Resp	47341
Ion	Ratio	Lower	Upper
83	100		
131	8.3	4.0	12.2
85	68.0	32.7	98.1

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#76

1,2,3-Trichloropropane

Concen: 20.905 ug/l

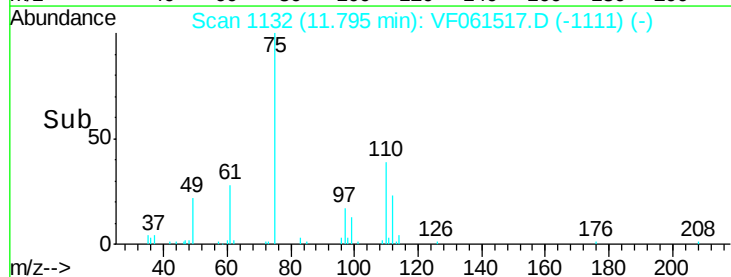
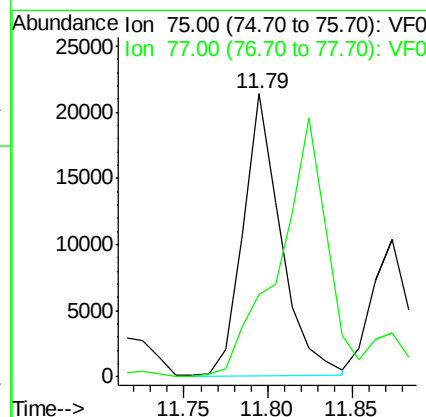
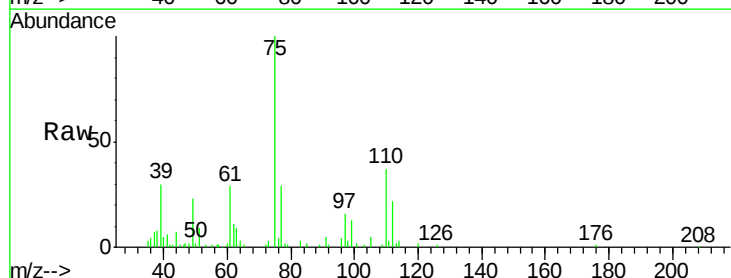
RT: 11.79 min Scan# 1132

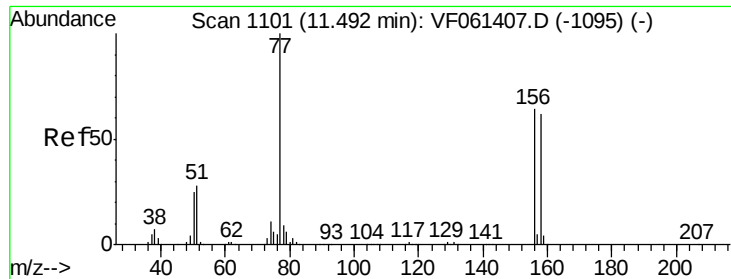
Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Tgt Ion	75	Resp	33185
Ion	Ratio	Lower	Upper
75	100		
77	29.3	16.1	48.3





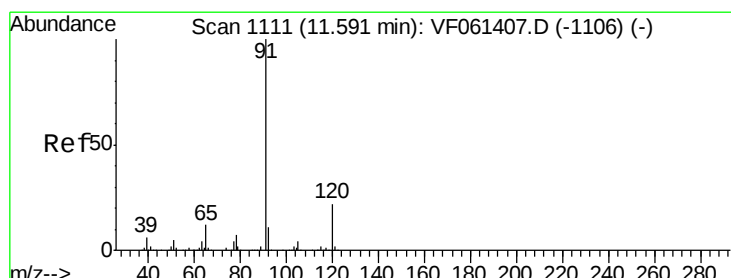
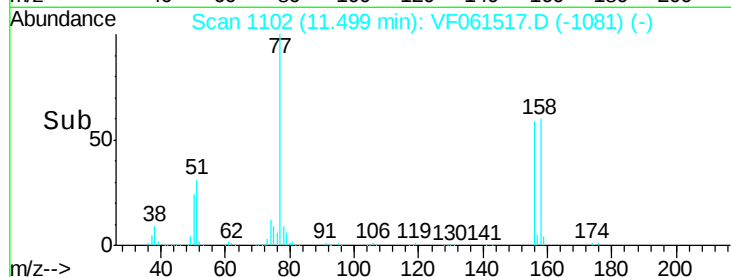
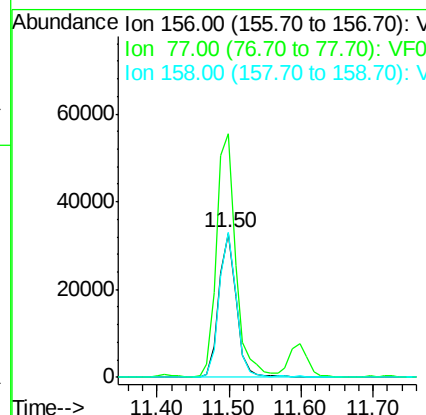
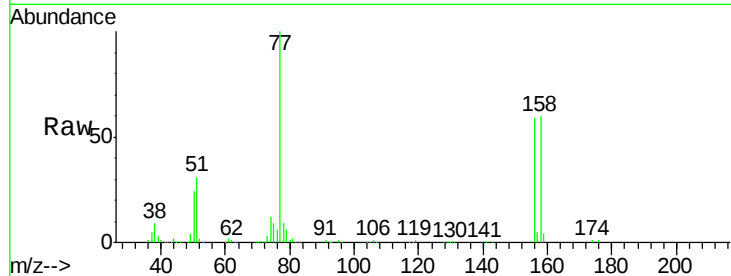
#77
Bromobenzene
Concen: 20.817 ug/l
RT: 11.50 min Scan# 1102
Delta R.T. 0.01 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
VF01251SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	169.1	78.3	234.9	
158	101.0	48.9	146.7	

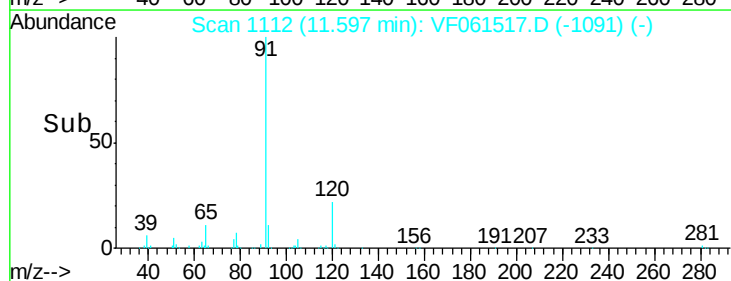
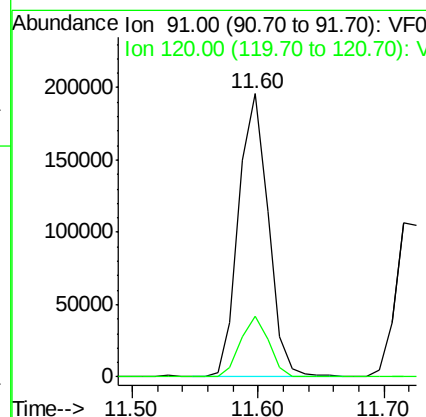
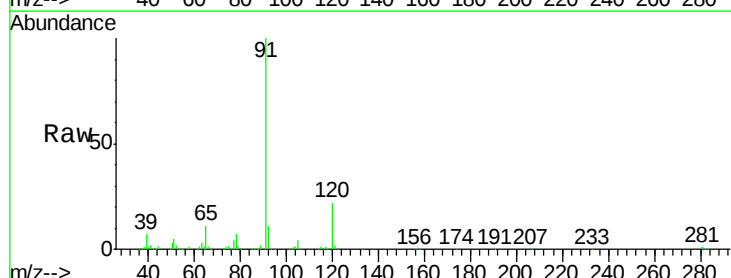
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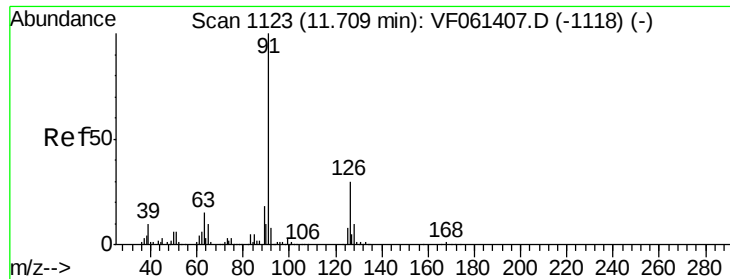
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#78
n-propylbenzene
Concen: 19.612 ug/l
RT: 11.60 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.6	10.9	32.6	





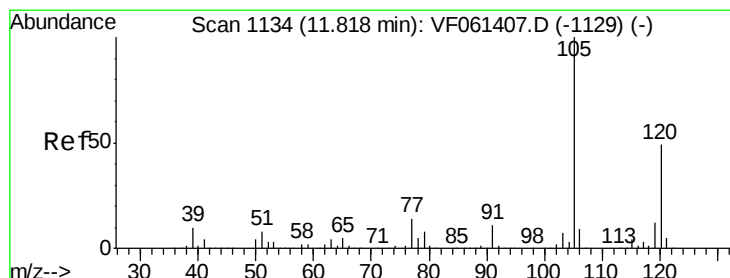
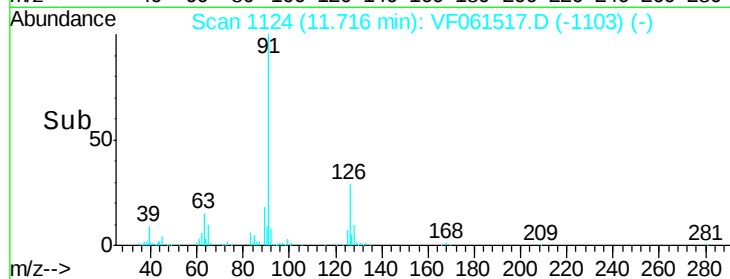
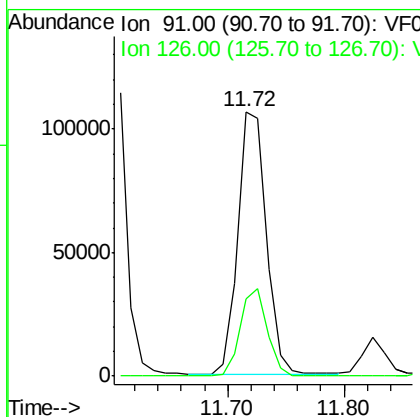
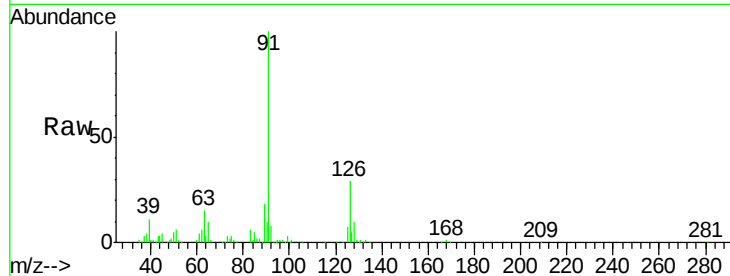
#79
 2-Chlorotoluene
 Concen: 21.011 ug/l
 RT: 11.72 min Scan# 1124
 Delta R.T. 0.01 min
 Lab File: VF061517.D
 Acq: 25 Jan 2019 13:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF01251SBS01

Tot Ion: 91 Resp: 180786
 Ion Ratio Lower Upper
 91 100
 126 29.4 15.0 45.1

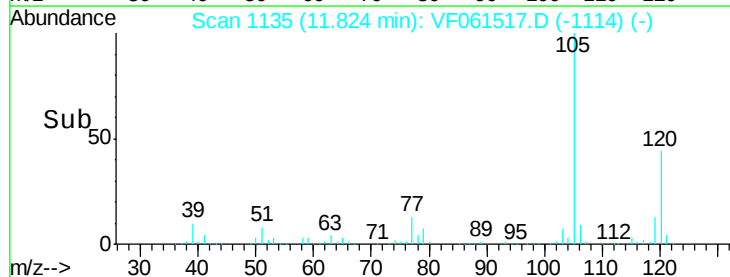
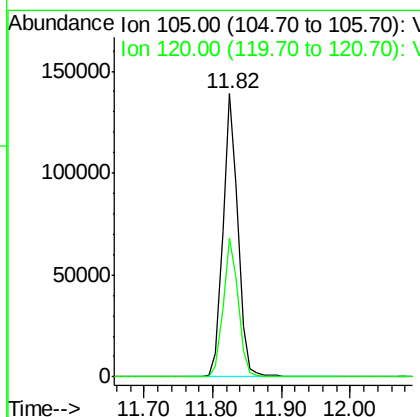
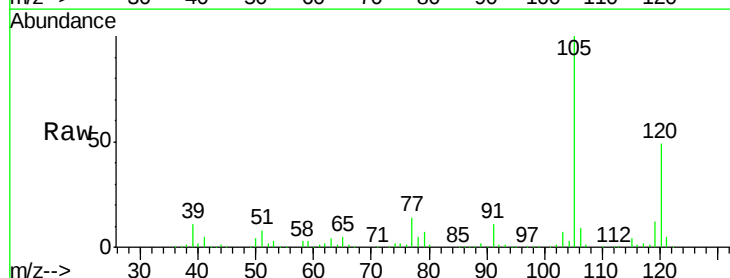
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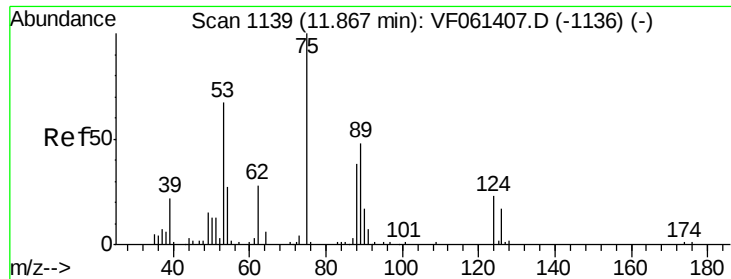
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.916 ug/l
 RT: 11.82 min Scan# 1135
 Delta R.T. 0.01 min
 Lab File: VF061517.D
 Acq: 25 Jan 2019 13:13

Tgt Ion: 105 Resp: 209329
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 24.628 ug/l m

RT: 11.87 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :

MSVOA_F

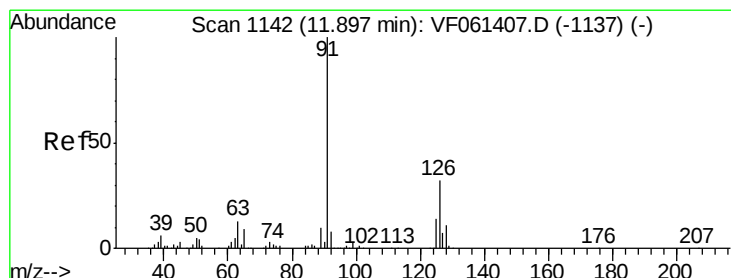
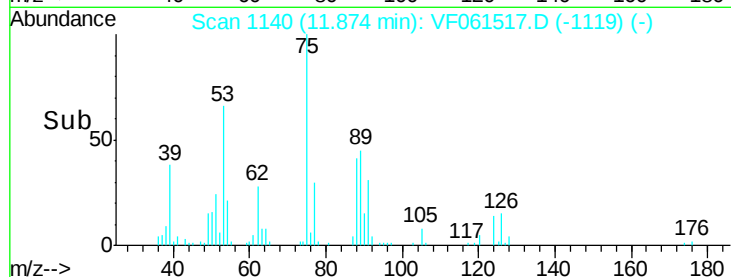
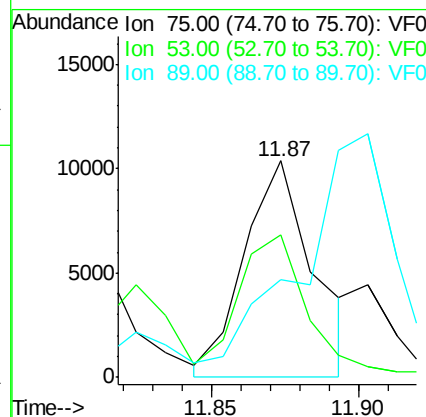
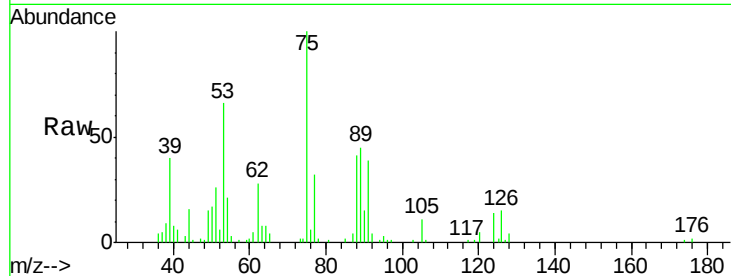
ClientSampleId :

VF01251SBS01

Tot Ion:	75	Resp:	16995
Ion	Ratio	Lower	Upper
75	100		
53	65.7	57.8	86.6
89	45.1	40.7	61.1

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#82

4-Chlorotoluene

Concen: 21.004 ug/l

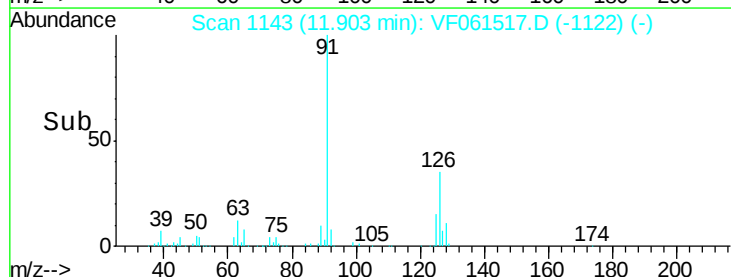
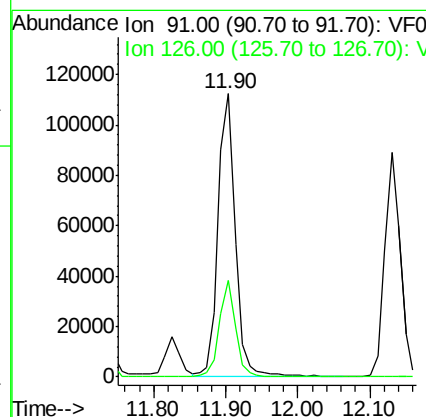
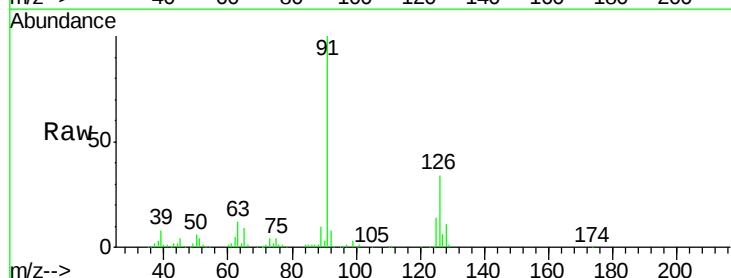
RT: 11.90 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Tgt Ion:	91	Resp:	182373
Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.0	47.9





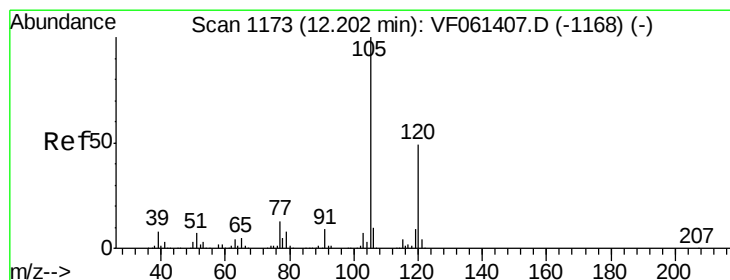
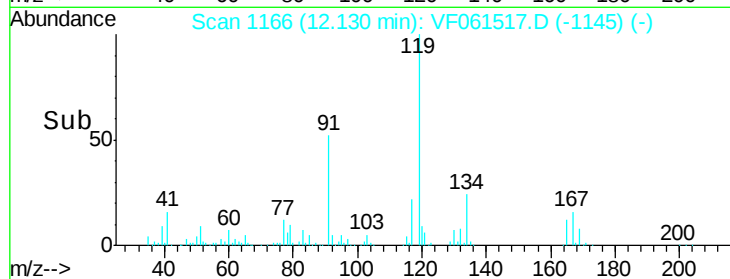
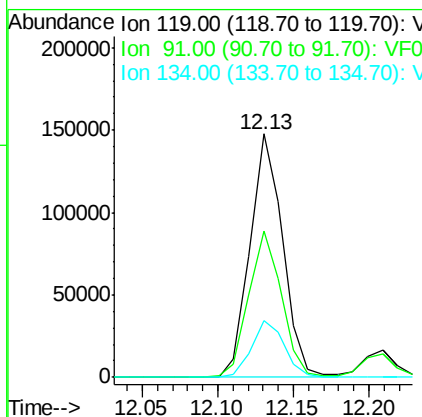
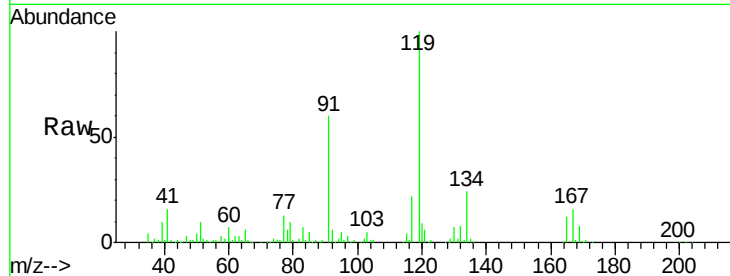
#83
 tert-Butylbenzene
 Concen: 21.670 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. 0.01 min
 Lab File: VF061517.D
 Acq: 25 Jan 2019 13:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF01251SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	224473		
91	60.2		31.3	93.8
134	23.5		12.4	37.0

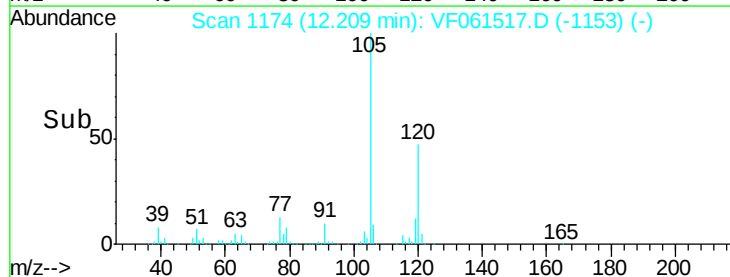
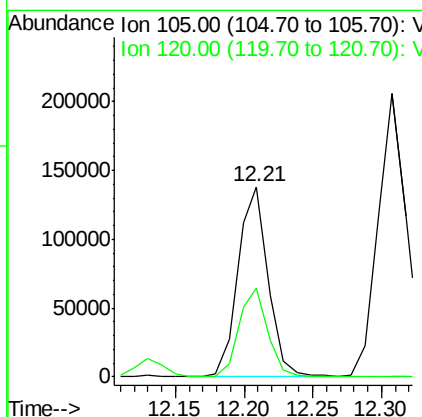
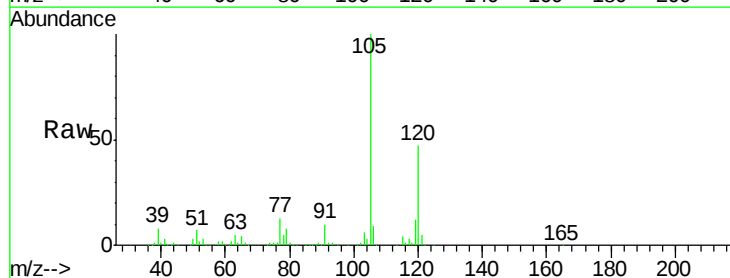
Manual Integrations
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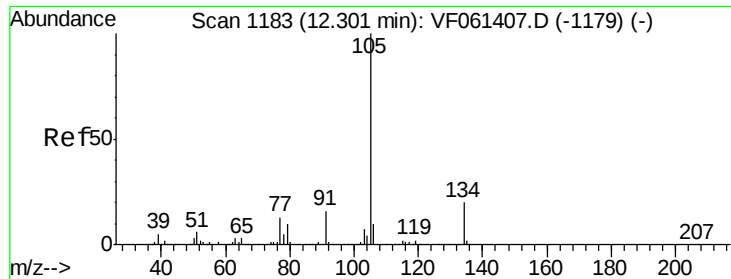
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.452 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. 0.01 min
 Lab File: VF061517.D
 Acq: 25 Jan 2019 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	210839		
120	46.6		24.9	74.6





#85

sec-Butylbenzene

Concen: 21.213 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

VF01251SBS01

Tot Ion:105 Resp: 298400

Ion Ratio Lower Upper

105 100

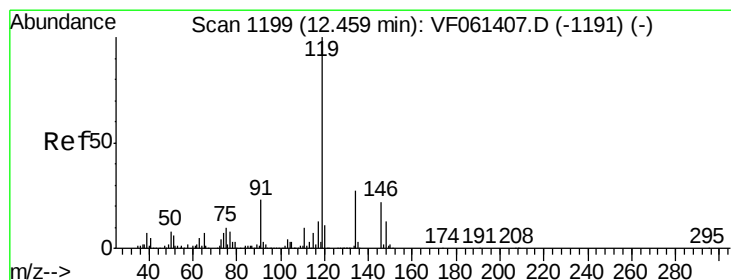
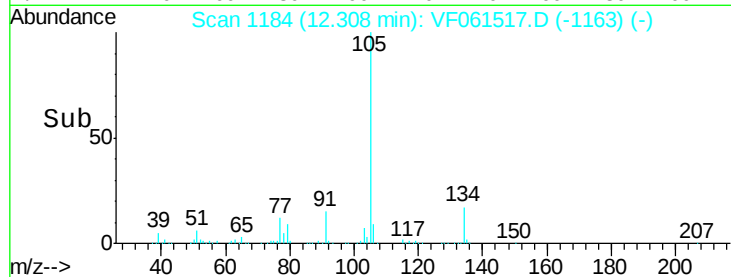
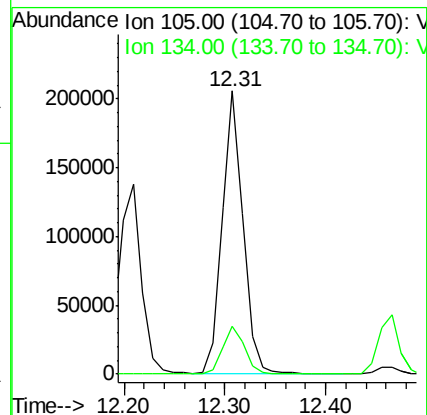
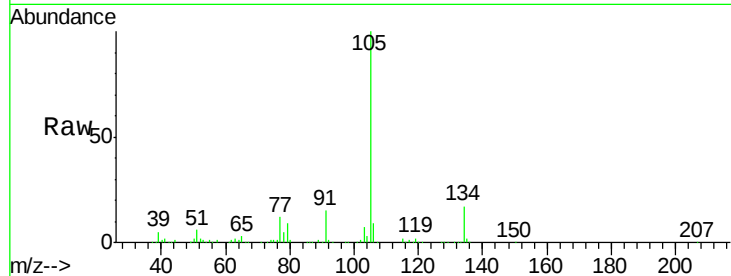
134 17.1 10.0 30.0

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#86

p-Isopropyltoluene

Concen: 21.818 ug/l

RT: 12.47 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

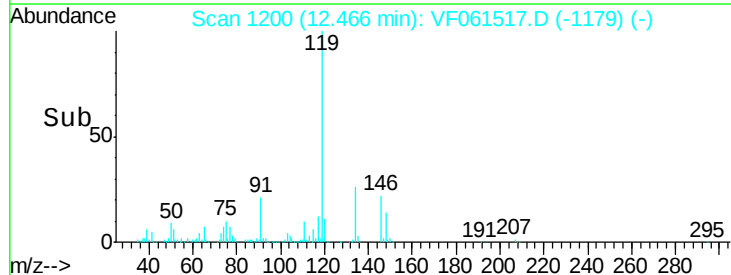
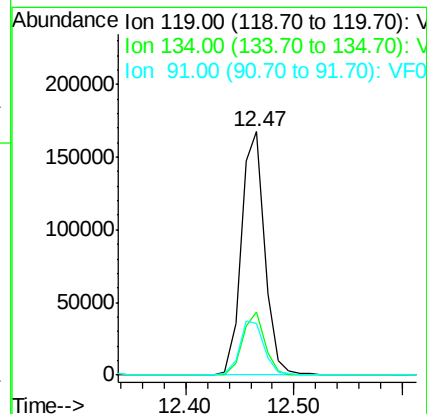
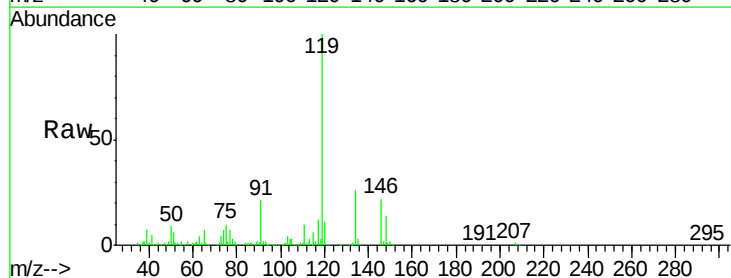
Tgt Ion:119 Resp: 251945

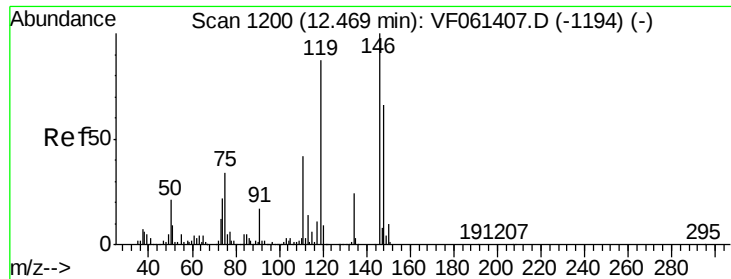
Ion Ratio Lower Upper

119 100

134 25.9 13.4 40.2

91 21.2 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 20.127 ug/l

RT: 12.48 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :

MSVOA_F

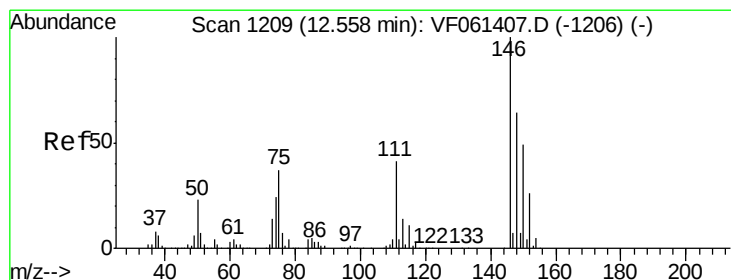
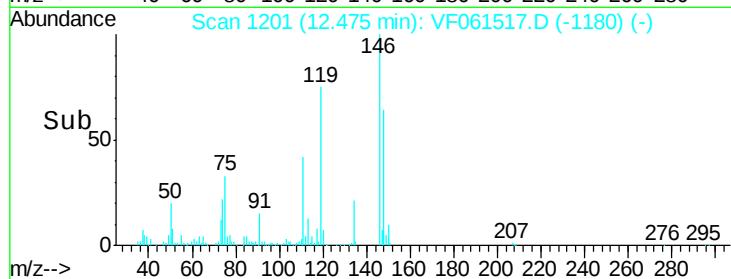
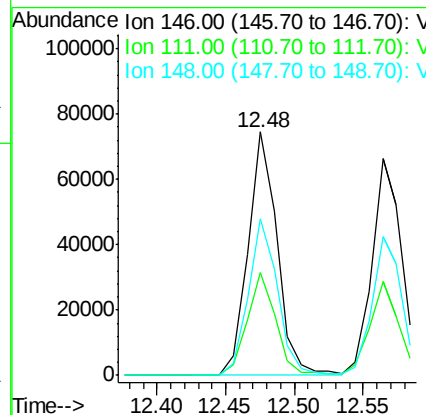
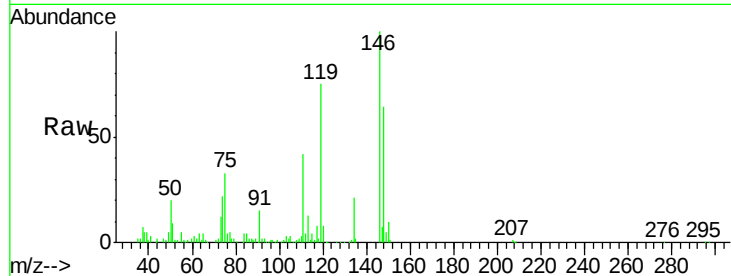
ClientSampleId :

VF01251SBS01

Tot Ion:	146	Resp:	110739
Ion Ratio	Lower	Upper	
146	100		
111	42.1	21.1	63.4
148	64.1	32.9	98.6

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#88

1,4-Dichlorobenzene

Concen: 20.580 ug/l

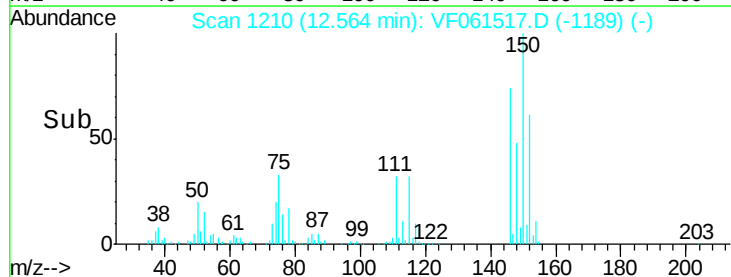
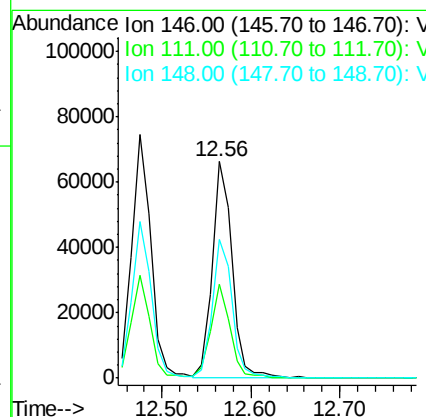
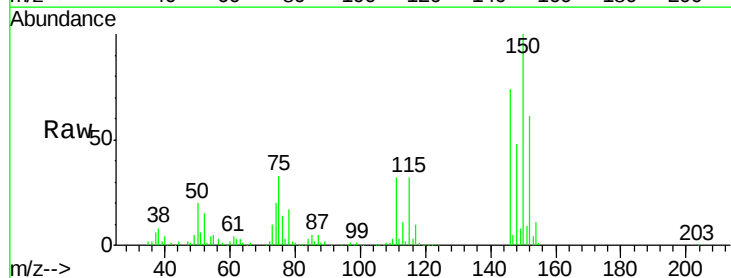
RT: 12.56 min Scan# 1210

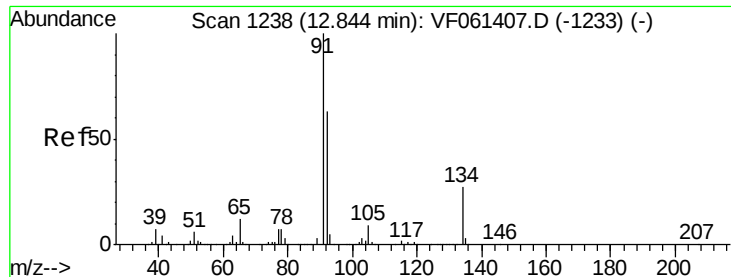
Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Tgt Ion:	146	Resp:	101851
Ion Ratio	Lower	Upper	
146	100		
111	43.4	20.8	62.2
148	64.2	32.1	96.5





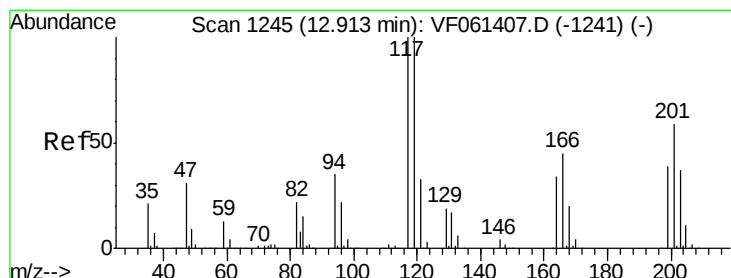
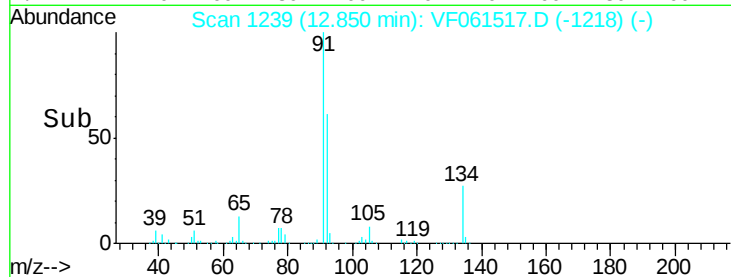
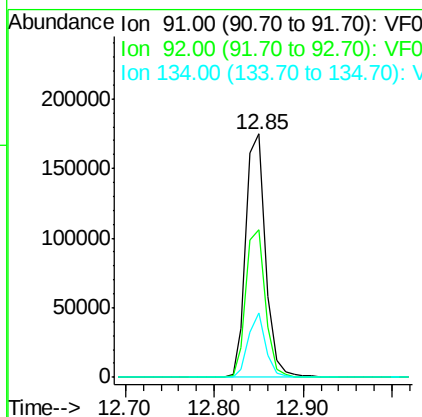
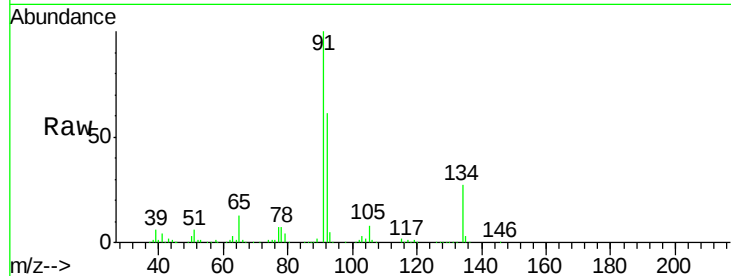
#89
n-Butylbenzene
Concen: 22.539 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
VF01251SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		268418		
92	60.6	31.6		94.7	
134	26.7	13.6		40.8	

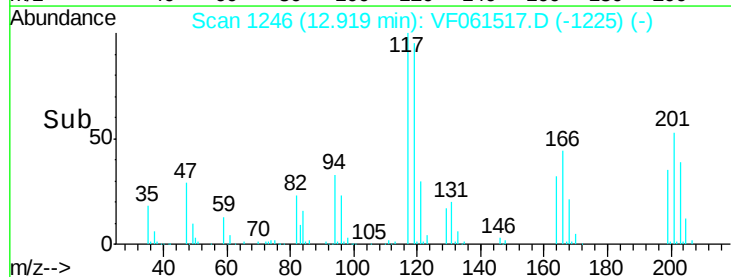
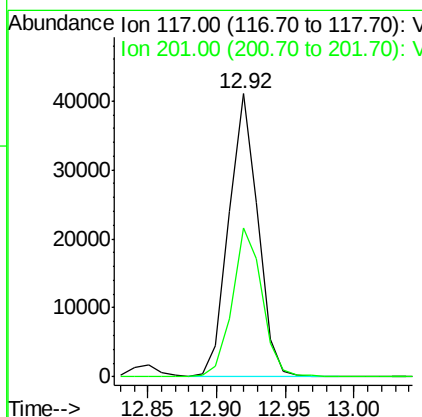
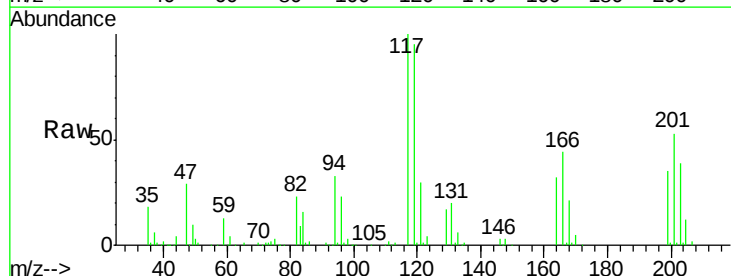
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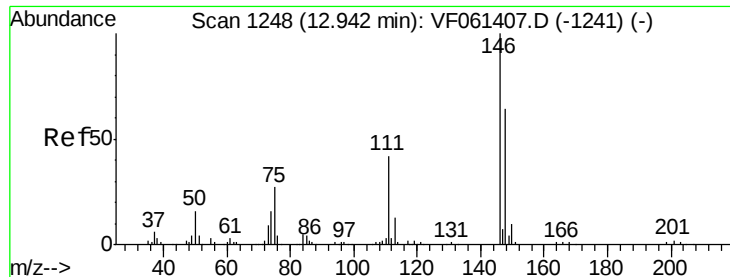
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#90
Hexachloroethane
Concen: 22.209 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		60454		
201	52.6	29.3		87.8	





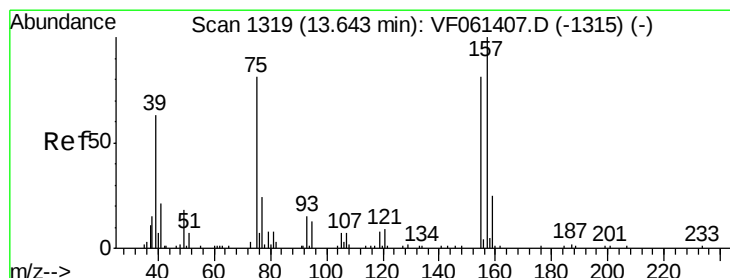
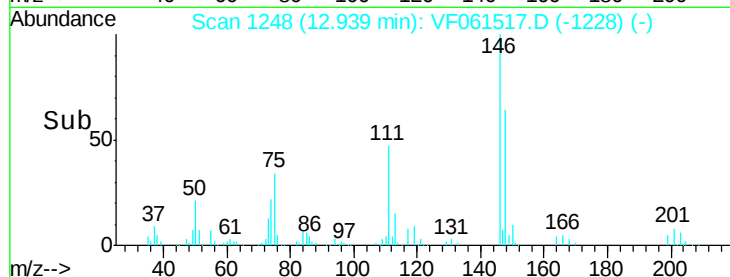
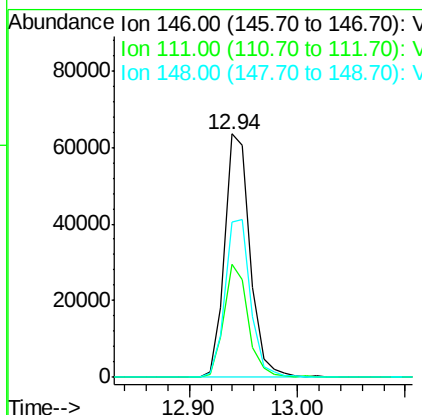
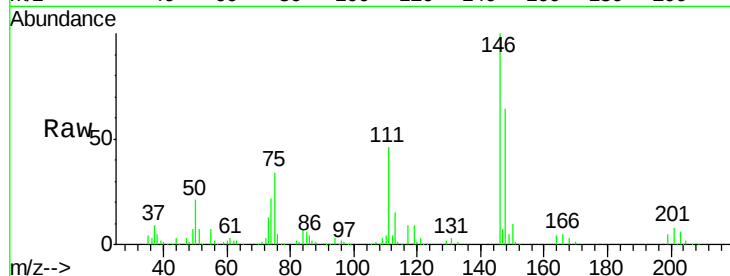
#91
 1,2-Dichlorobenzene
 Concen: 21.279 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VF061517.D
 Acq: 25 Jan 2019 13:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF01251SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.5	21.1	63.3
148	63.8	31.9	95.7

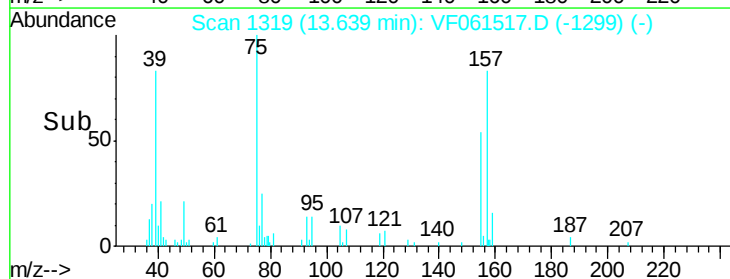
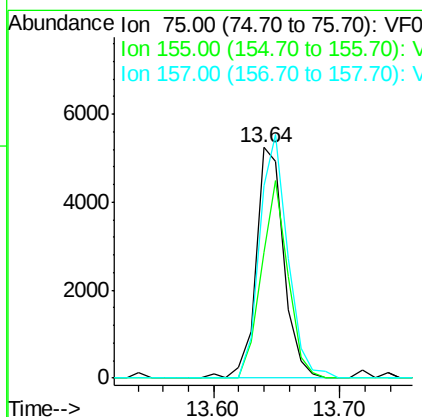
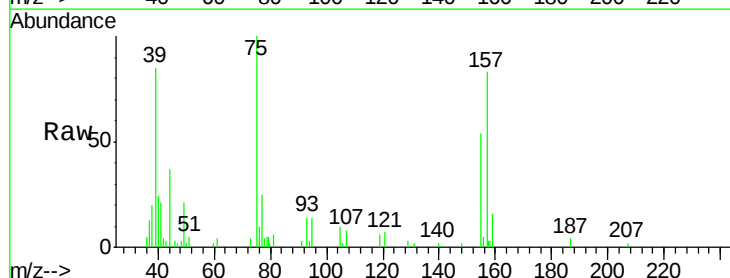
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.628 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: VF061517.D
 Acq: 25 Jan 2019 13:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	54.4	49.7	149.1
157	83.3	61.4	184.1





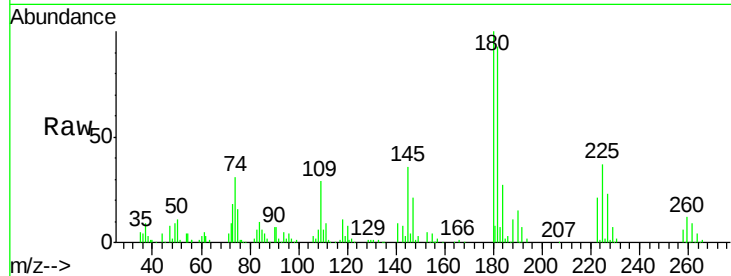
#93
 1,2,4-Trichlorobenzene
 Concen: 19.974 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VF061517.D
 Acq: 25 Jan 2019 13:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF01251SBSD01

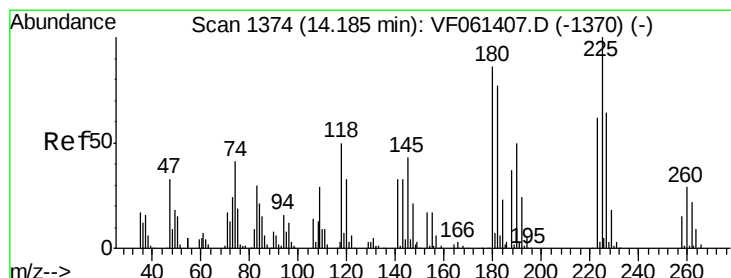
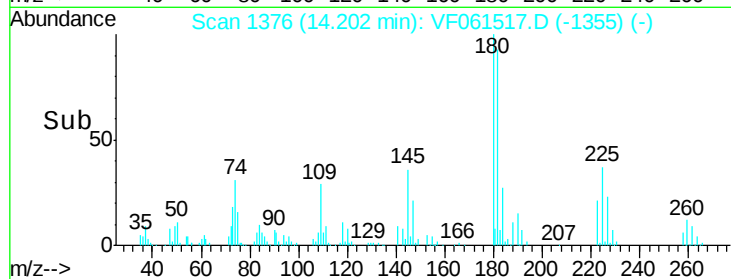
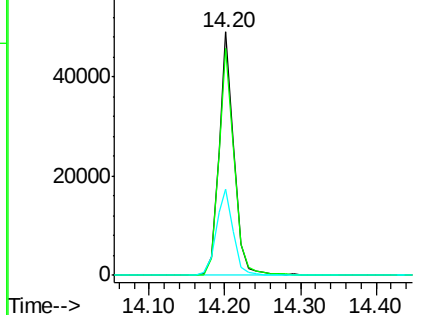
Tot Ion	Ratio	Resp	Lower	Upper
180	100	68552		
182	93.5		48.5	145.6
145	35.6		17.5	52.6

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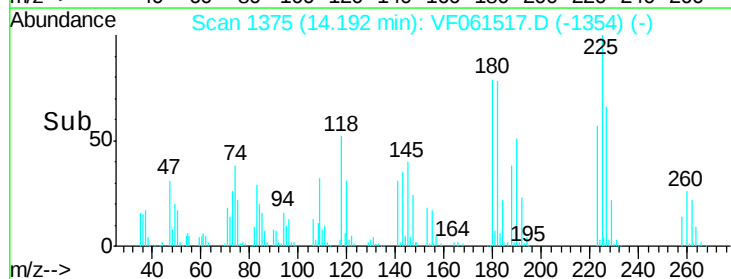
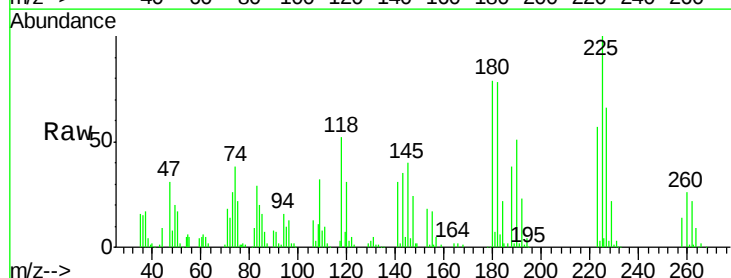
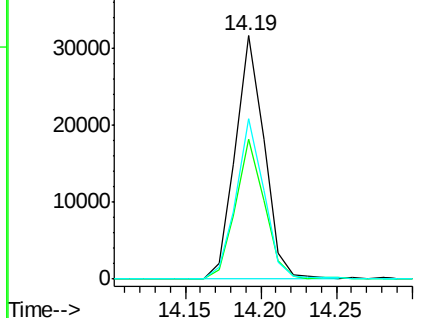
Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

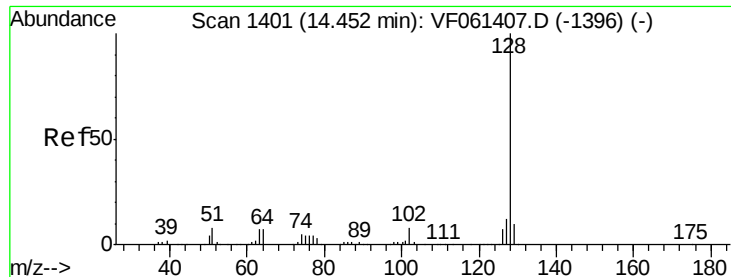


#94
 Hexachlorobutadiene
 Concen: 19.753 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. 0.01 min
 Lab File: VF061517.D
 Acq: 25 Jan 2019 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	42068		
223	57.3		31.1	93.2
227	65.9		32.2	96.6

Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





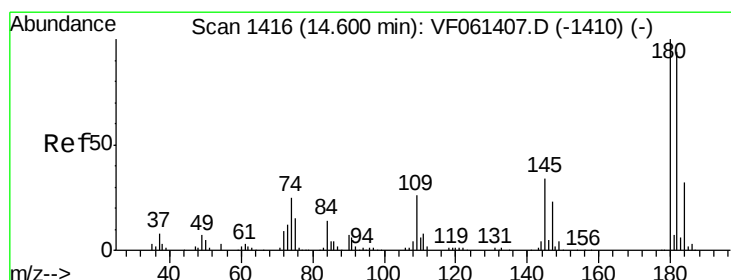
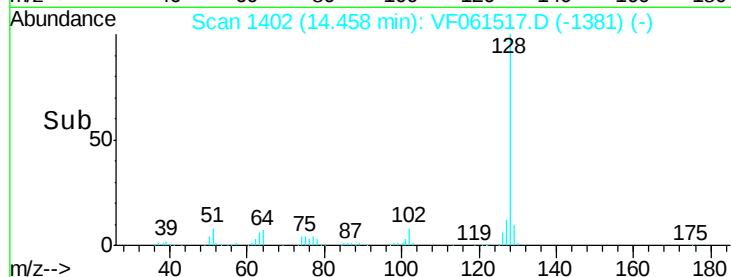
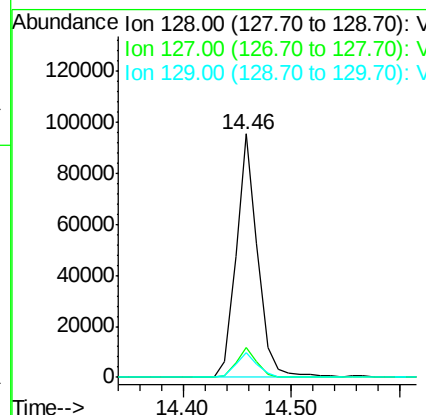
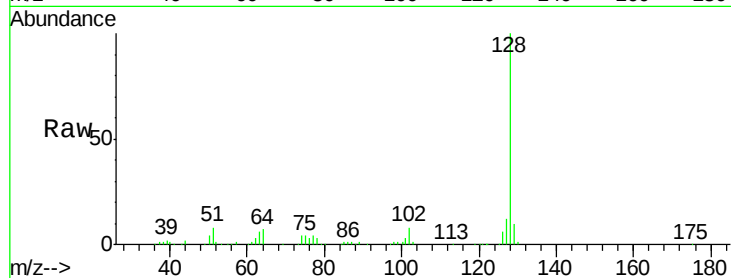
#95
Naphthalene
Concen: 20.124 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.01 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
VF01251SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	9.5	14.3
129	10.1	8.4	12.6

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#96
1,2,3-Trichlorobenzene
Concen: 19.666 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. 0.01 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.0	141.2
145	32.0	17.1	51.2

