

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010219\
 Data File : VF061246.D
 Acq On : 2 Jan 2019 11:03
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/3/2019 3:08:10 PM

Quant Time: Jan 02 15:06:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	185061	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	306636	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	269997	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	135727	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.82	65	119671	50.28	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.56%	
35) Dibromofluoromethane	4.09	113	132802	54.07	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	108.14%	
50) Toluene-d8	7.53	98	361882	51.99	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	103.98%	
62) 4-Bromofluorobenzene	11.40	95	170039	52.99	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	179228	43.568	ug/l	98
3) Chloromethane	1.10	50	119778	50.830	ug/l	99
4) Vinyl Chloride	1.13	62	113660	51.995	ug/l #	87
5) Bromomethane	1.33	94	77388	51.041	ug/l	96
6) Chloroethane	1.38	64	48388	48.040	ug/l #	87
7) Trichlorofluoromethane	1.48	101	212765	50.976	ug/l	98
8) Diethyl Ether	1.62	74	31245	54.666	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.83	101	108395	50.088	ug/l	91
10) Methyl Iodide	1.90	142	142240	41.697	ug/l	90
11) Tert butyl alcohol	2.56	59	27510	286.411	ug/l	96
12) 1,1-Dichloroethene	1.78	96	89236	54.702	ug/l	94
13) Acrolein	1.99	56	14896	214.622	ug/l	91
14) Allyl chloride	2.08	41	123227	72.587	ug/l	86
15) Acrylonitrile	2.93	53	65557	295.159	ug/l	97
16) Acetone	2.23	43	128113	269.242	ug/l #	89
17) Carbon Disulfide	1.82	76	261268m	52.997	ug/l	
18) Methyl Acetate	2.41	43	57200	58.104	ug/l	98
19) Methyl tert-butyl Ether	2.41	73	188029	51.928	ug/l	97
20) Methylene Chloride	2.17	84	85978m	57.191	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	91857	52.647	ug/l	92
22) Diisopropyl ether	2.79	45	311643	55.111	ug/l	94
23) Vinyl Acetate	3.17	43	678220	259.981	ug/l	99
24) 1,1-Dichloroethane	2.86	63	187821	56.058	ug/l	98
25) 2-Butanone	4.32	43	205893	266.803	ug/l	98
26) 2,2-Dichloropropane	3.58	77	109509	56.954	ug/l	95
27) cis-1,2-Dichloroethene	3.46	96	137742	51.567	ug/l	95
28) Bromochloromethane	3.70	49	89737	52.785	ug/l	99
29) Tetrahydrofuran	4.05	42	88194	280.791	ug/l	96
30) Chloroform	3.83	83	251669	50.095	ug/l	96
31) Cyclohexane	3.67	56	183075m	52.658	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	147696	49.049	ug/l	96
36) 1,1-Dichloropropene	4.26	75	190714	51.526	ug/l	99
37) Ethyl Acetate	4.09	43	77100	54.402	ug/l	88
38) Carbon Tetrachloride	3.97	117	154763	54.906	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	204127	61.474	ug/l	98
40) Benzene	4.61	78	403205	50.656	ug/l	96
41) Methacrylonitrile	4.72	41	39228	50.184	ug/l #	85
42) 1,2-Dichloroethane	4.92	62	150005	49.609	ug/l	97
43) Isopropyl Acetate	6.94	43	102216	57.194	ug/l #	99
44) Trichloroethene	5.48	130	137354	54.734	ug/l	96
45) 1,2-Dichloropropane	6.21	63	114473	52.861	ug/l	99
46) Dibromomethane	6.06	93	75957	54.079	ug/l	97
47) Bromodichloromethane	6.37	83	186304	51.051	ug/l	100
48) Methyl methacrylate	6.69	41	62127	49.796	ug/l	89
49) 1,4-Dioxane	6.68	88	11671	1289.207	ug/l	91
51) 4-Methyl-2-Pentanone	8.24	43	350133	285.663	ug/l	99
52) Toluene	7.61	92	273499	51.908	ug/l	98
53) t-1,3-Dichloropropene	8.26	75	156277	53.083	ug/l	96
54) cis-1,3-Dichloropropene	7.29	75	202746	54.871	ug/l	96
55) 1,1,2-Trichloroethane	8.47	97	83374	52.784	ug/l	98
56) Ethyl methacrylate	8.60	69	92522	54.132	ug/l	97
57) 1,3-Dichloropropane	8.83	76	146192	51.174	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.28	63	50385	153.491	ug/l #	87
59) 2-Hexanone	9.48	43	254470	287.087	ug/l	97
60) Dibromochloromethane	8.70	129	122687	54.185	ug/l	96
61) 1,2-Dibromoethane	8.97	107	86495	51.274	ug/l	98
64) Tetrachloroethene	8.13	164	121765	58.626	ug/l	93
65) Chlorobenzene	9.78	112	307215	55.079	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.91	131	128159	56.225	ug/l	96
67) Ethyl Benzene	9.88	91	552415	54.363	ug/l	99
68) m/p-Xylenes	10.12	106	388829	108.729	ug/l	93
69) o-Xylene	10.70	106	216012	54.464	ug/l	95
70) Styrene	10.78	104	300764	63.556	ug/l	99
71) Bromoform	10.76	173	62473	59.241	ug/l #	99
73) Isopropylbenzene	11.11	105	640985	54.802	ug/l	100
74) N-amyl acetate	11.36	43	158305	60.962	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	110534	56.941	ug/l	94
76) 1,2,3-Trichloropropane	11.78	75	76876	53.215	ug/l	99
77) Bromobenzene	11.48	156	138466	54.994	ug/l	92
78) n-propylbenzene	11.58	91	716073	54.095	ug/l	99
79) 2-Chlorotoluene	11.71	91	433853	54.072	ug/l	98
80) 1,3,5-Trimethylbenzene	11.81	105	510033	52.957	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	32455m	52.281	ug/l	
82) 4-Chlorotoluene	11.88	91	410674	49.477	ug/l	96
83) tert-Butylbenzene	12.12	119	531408	53.620	ug/l	100
84) 1,2,4-Trimethylbenzene	12.19	105	499509	52.009	ug/l	99
85) sec-Butylbenzene	12.30	105	704940	54.506	ug/l	97
86) p-Isopropyltoluene	12.45	119	581344	54.152	ug/l	100
87) 1,3-Dichlorobenzene	12.46	146	242243	60.034	ug/l	95
88) 1,4-Dichlorobenzene	12.55	146	247335	53.497	ug/l	99
89) n-Butylbenzene	12.83	91	607939	58.383	ug/l	97
90) Hexachloroethane	12.91	117	148387	55.946	ug/l	77
91) 1,2-Dichlorobenzene	12.93	146	242037	53.772	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.63	75	19845	55.710	ug/l	99

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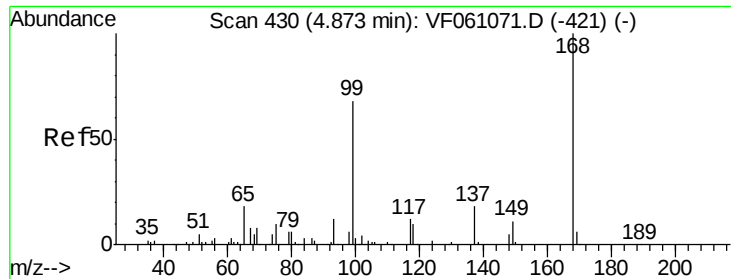
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	176252	55.213	ug/l	92
94) Hexachlorobutadiene	14.18	225	119062	58.560	ug/l	95
95) Naphthalene	14.45	128	333802	57.265	ug/l	100
96) 1,2,3-Trichlorobenzene	14.60	180	163332	55.347	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF061246.D

Acq: 2 Jan 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 185061

Ion Ratio Lower Upper

168 100

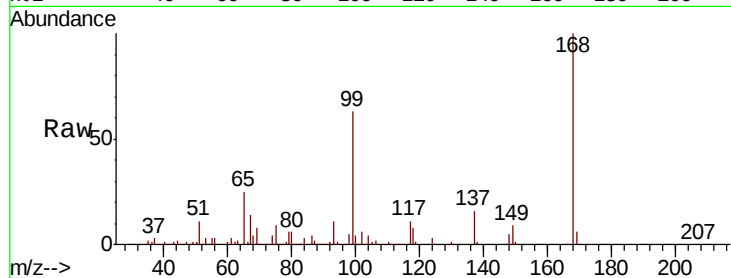
99 63.0 54.4 81.6

Manual Integrations

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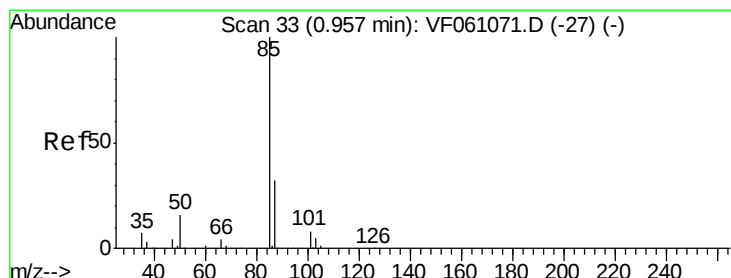
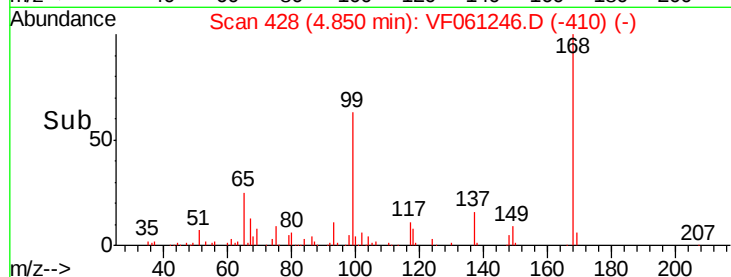
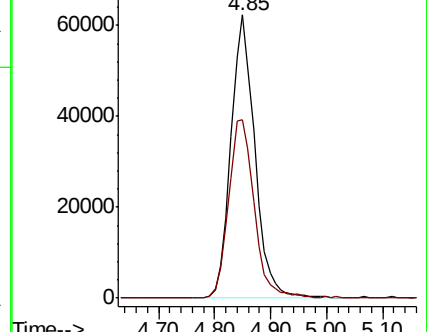
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 43.568 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.00 min

Lab File: VF061246.D

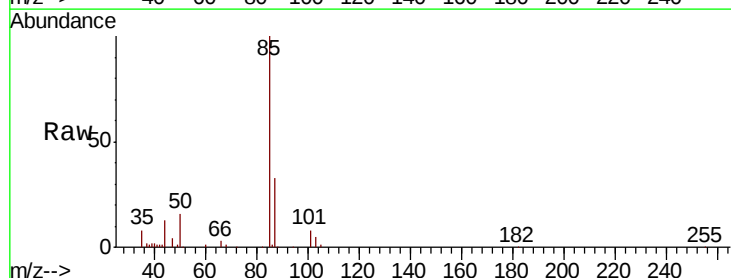
Acq: 2 Jan 2019 11:03

Tgt Ion: 85 Resp: 179228

Ion Ratio Lower Upper

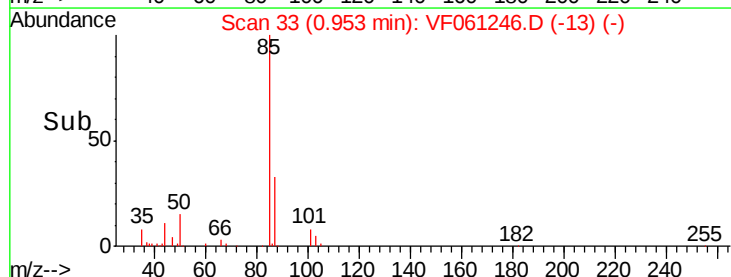
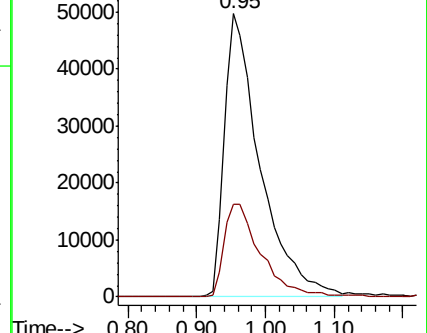
85 100

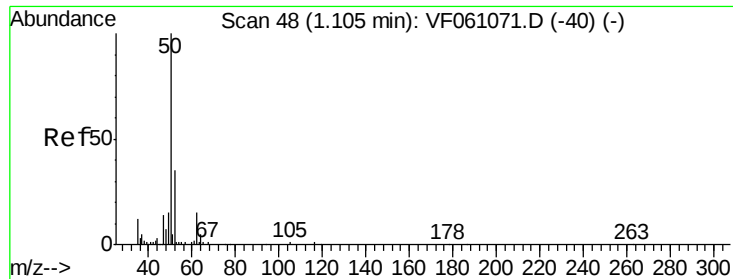
87 33.0 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 50.830 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF061246.D

Acq: 2 Jan 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 119778

Ion Ratio Lower Upper

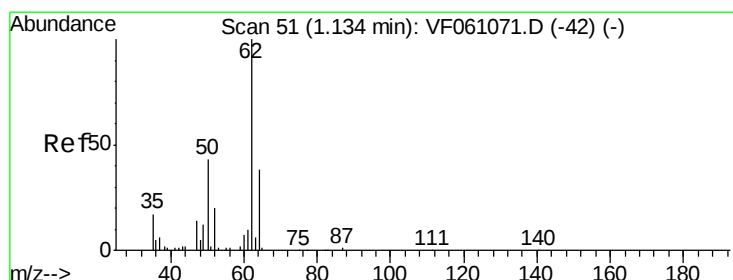
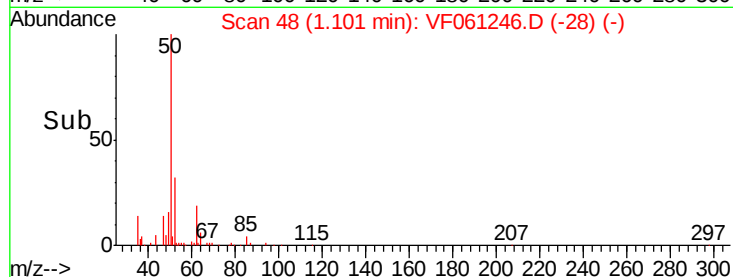
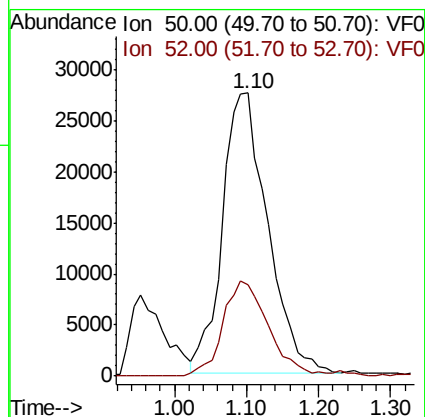
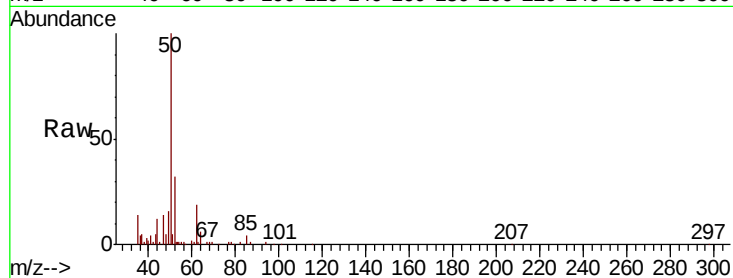
50 100

52 32.3 26.3 39.5

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#4

Vinyl Chloride

Concen: 51.995 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF061246.D

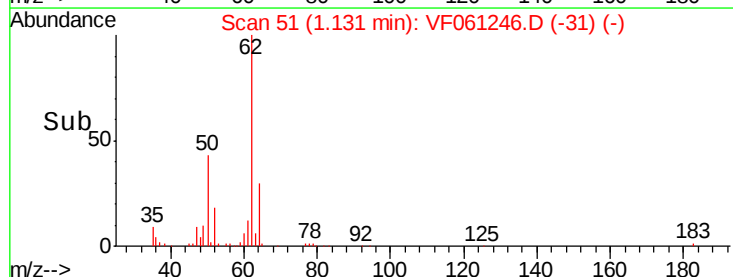
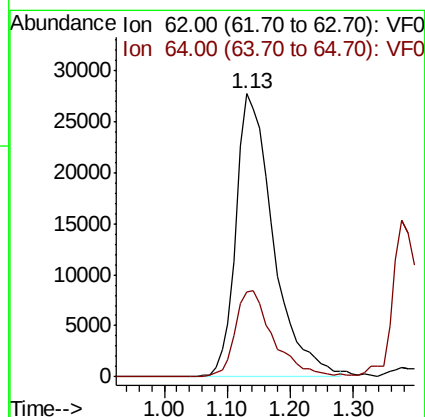
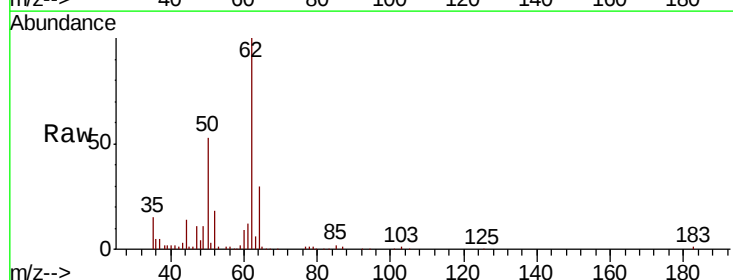
Acq: 2 Jan 2019 11:03

Tgt Ion: 62 Resp: 113660

Ion Ratio Lower Upper

62 100

64 30.1 30.4 45.6#





#5

Bromomethane

Concen: 51.041 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF061246.D

Acq: 2 Jan 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 77388

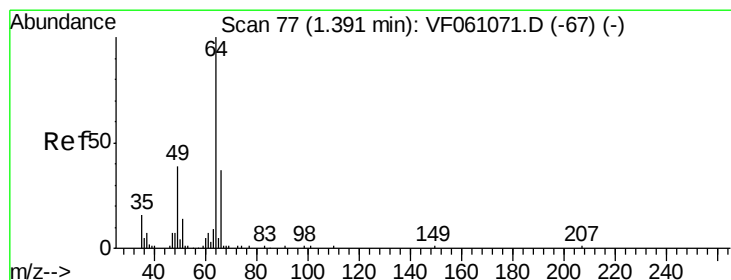
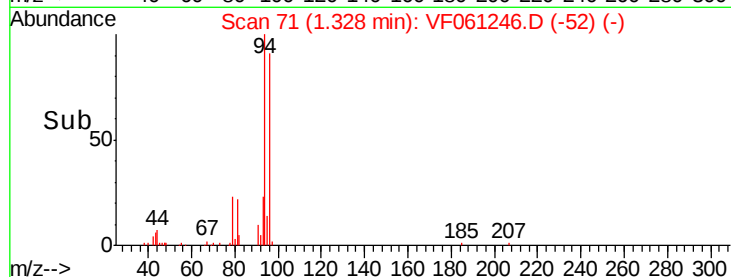
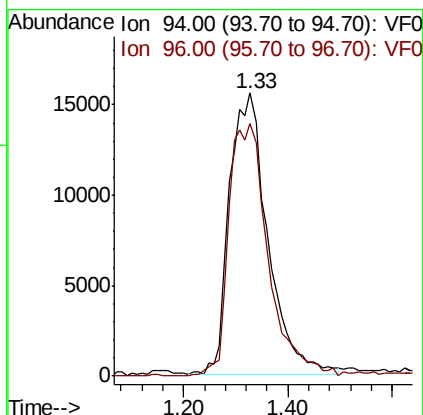
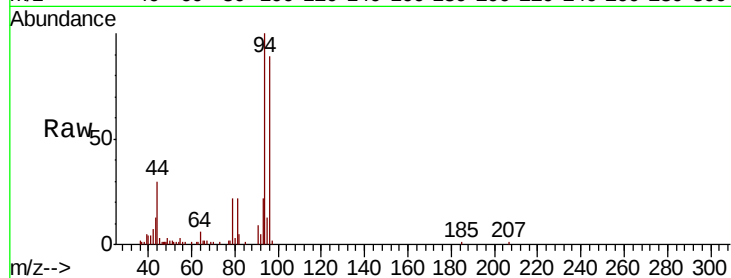
Ion Ratio Lower Upper

94 100

96 89.2 74.4 111.6

Manual Integrations
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#6

Chloroethane

Concen: 48.040 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061246.D

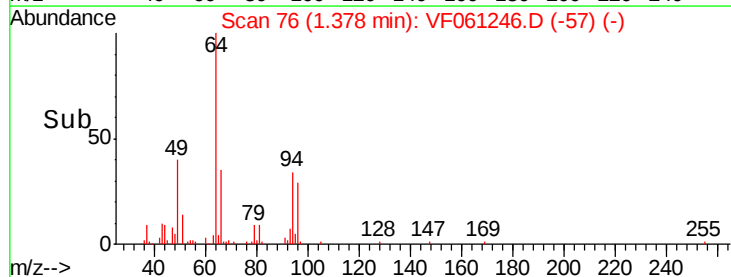
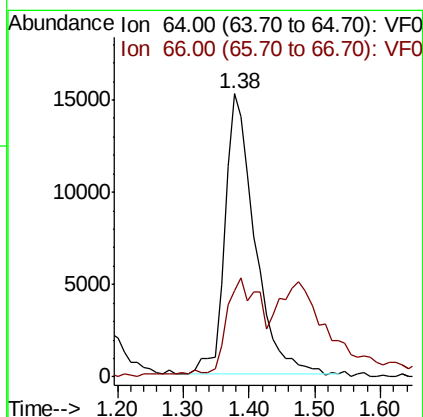
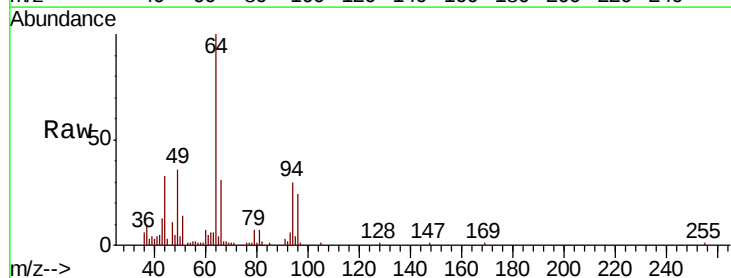
Acq: 2 Jan 2019 11:03

Tgt Ion: 64 Resp: 48388

Ion Ratio Lower Upper

64 100

66 30.6 30.9 46.3#





#7

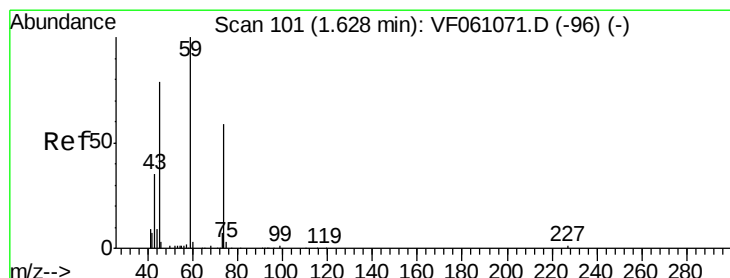
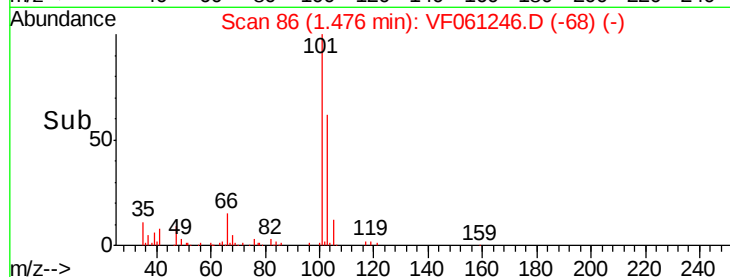
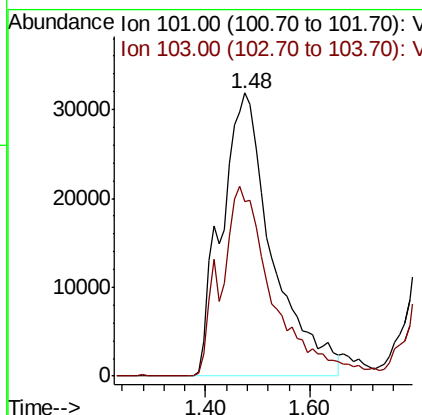
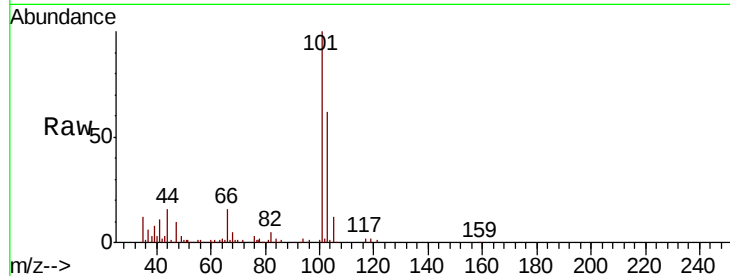
Trichlorofluoromethane
Concen: 50.976 ug/l
RT: 1.48 min Scan# 86
Delta R.T. -0.02 min
Lab File: VF061246.D
Acq: 2 Jan 2019 11:03

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.6	50.7	76.1

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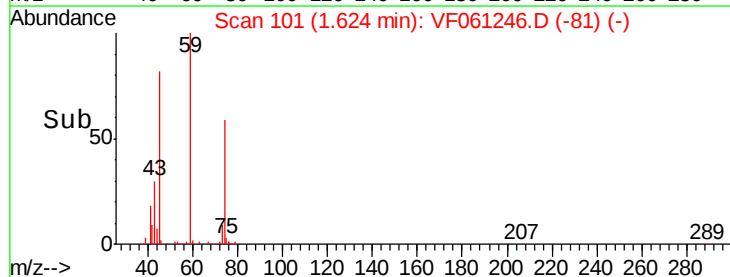
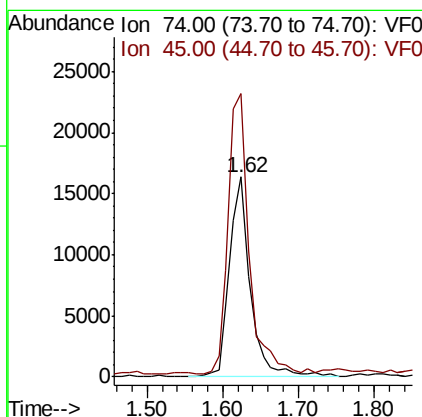
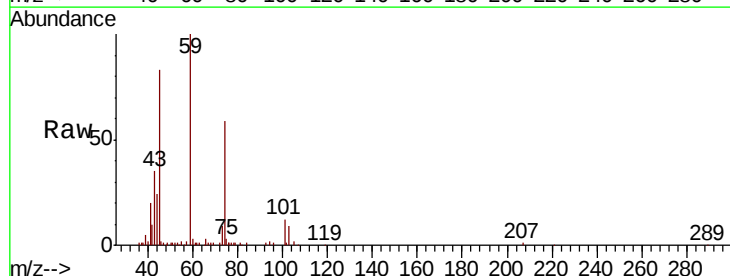
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#8

Diethyl Ether
Concen: 54.666 ug/l
RT: 1.62 min Scan# 101
Delta R.T. -0.00 min
Lab File: VF061246.D
Acq: 2 Jan 2019 11:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	141.4	67.8	203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.088 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.00 min

Lab File: VF061246.D

Acq: 2 Jan 2019 11:03

Instrument :

MSVOA_F

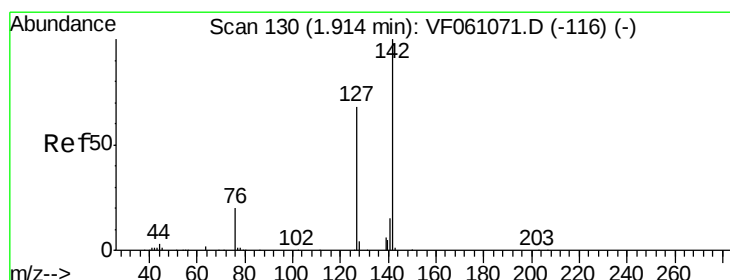
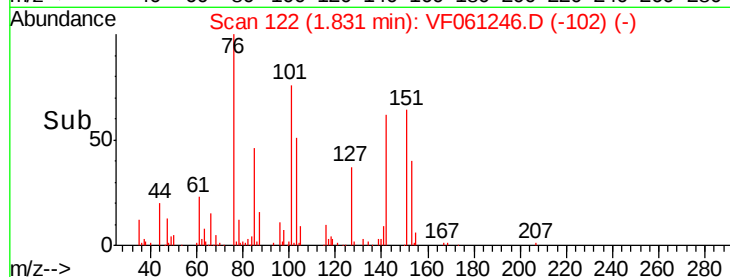
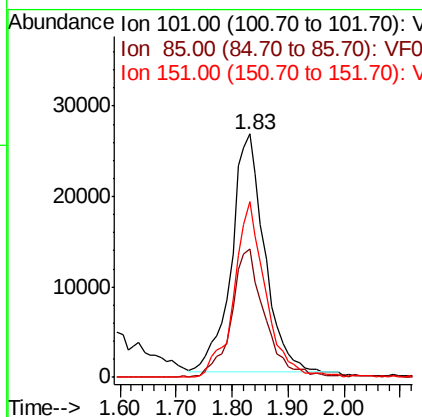
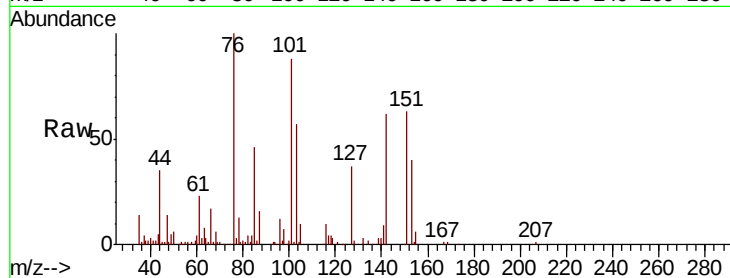
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	108395
Ion Ratio	Lower	Upper	
101	100		
85	52.5	44.5	66.7
151	72.0	49.9	74.9

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#10

Methyl Iodide

Concen: 41.697 ug/l

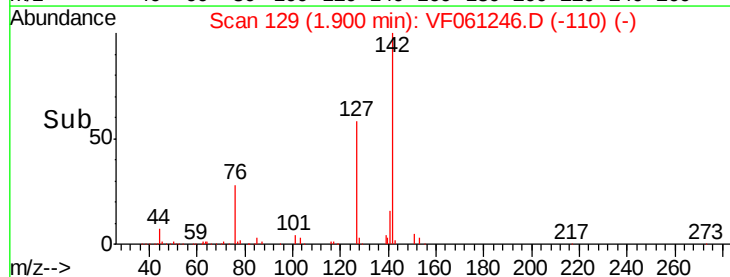
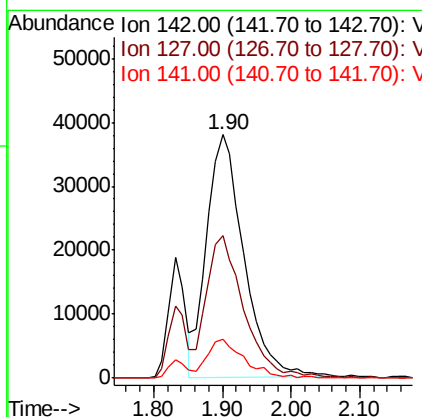
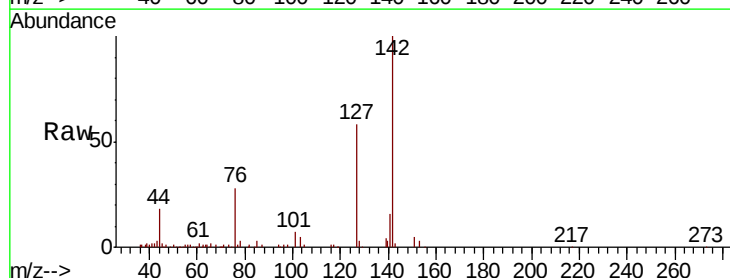
RT: 1.90 min Scan# 129

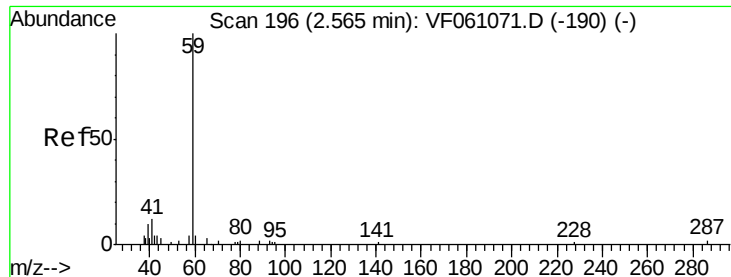
Delta R.T. -0.01 min

Lab File: VF061246.D

Acq: 2 Jan 2019 11:03

Tgt Ion:	142	Resp:	142240
Ion Ratio	Lower	Upper	
142	100		
127	58.5	54.7	82.1
141	16.0	12.2	18.2





#11

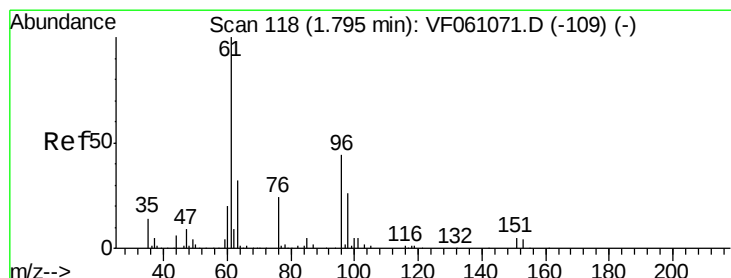
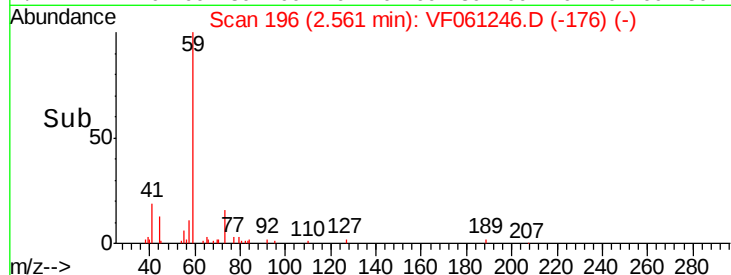
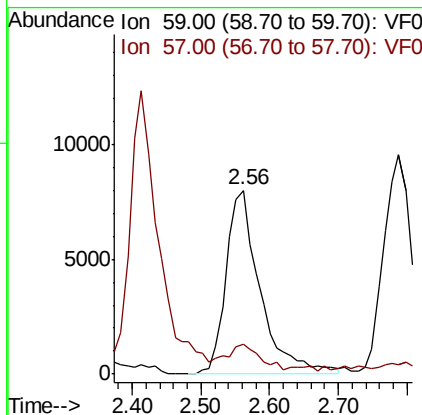
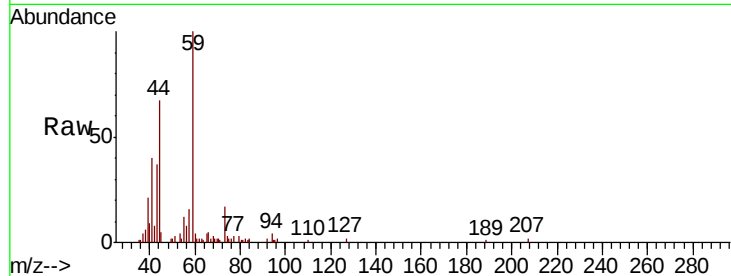
Tert butyl alcohol
Concen: 286.411 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.00 min
Lab File: VF061246.D
Acq: 2 Jan 2019 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	59.00 (58.70 to 59.70): VF0	Resp	27510
Ion Ratio	Lower	Upper	
59	100		
57	16.0	11.5	17.3

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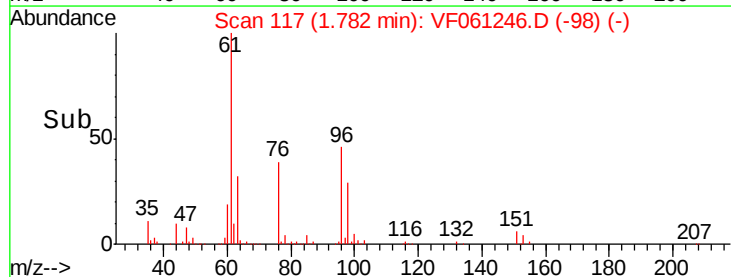
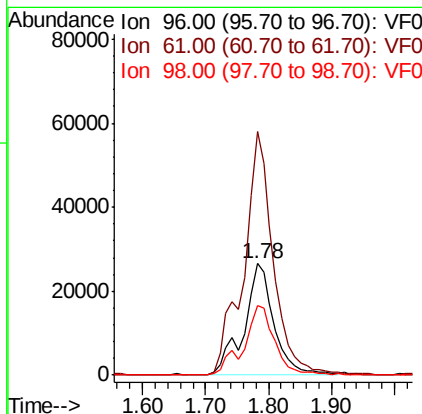
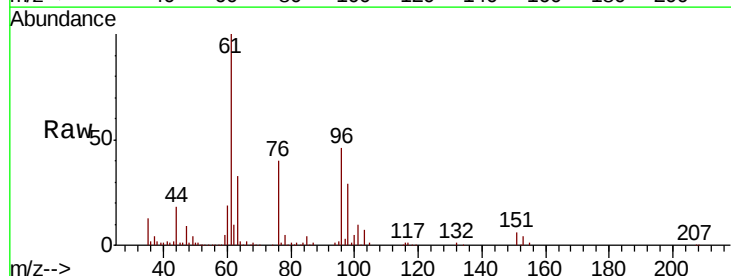
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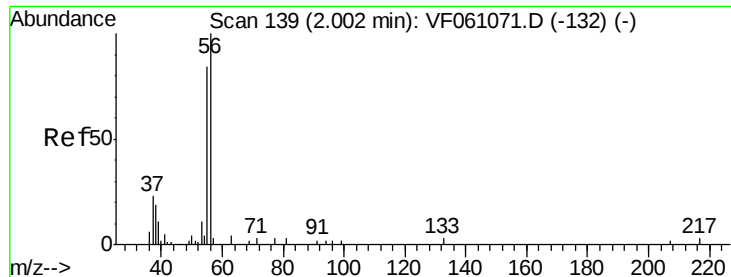


#12

1,1-Dichloroethene
Concen: 54.702 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF061246.D
Acq: 2 Jan 2019 11:03

Tgt Ion	96.00 (95.70 to 96.70): VF0	Resp	89236
Ion Ratio	Lower	Upper	
96	100		
61	218.7	182.0	273.0
98	63.0	46.5	69.7





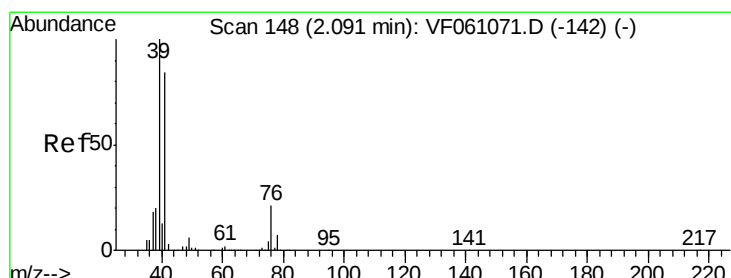
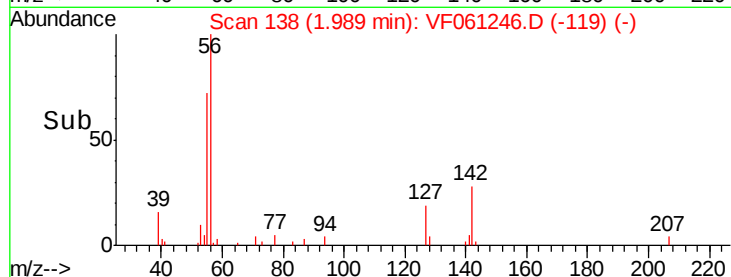
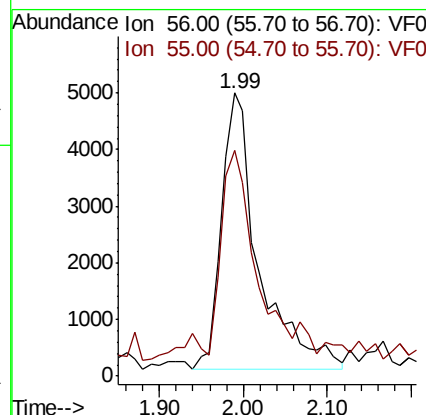
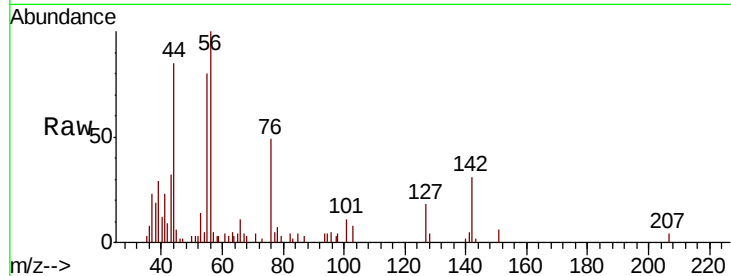
#13
Acrolein
Concen: 214.622 ug/l
RT: 1.99 min Scan# 138
Delta R.T. -0.01 min
Lab File: VF061246.D
Acq: 2 Jan 2019 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	14896
Ion Ratio	Lower	Upper	
56	100		
55	79.6	70.2	105.2

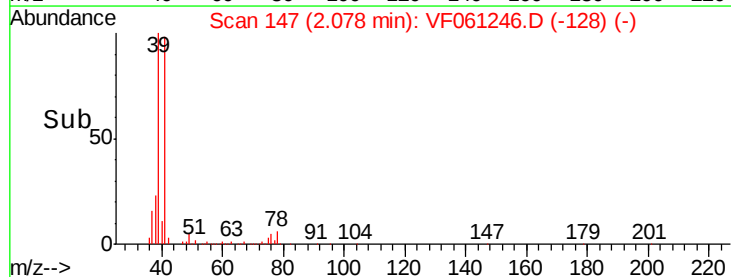
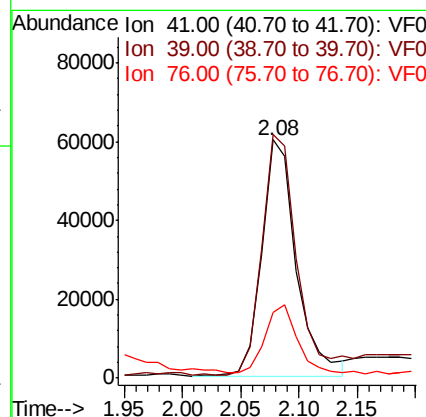
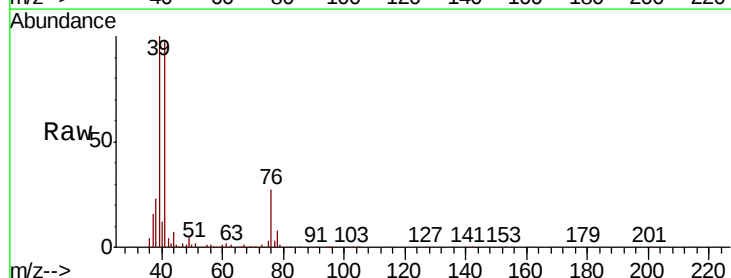
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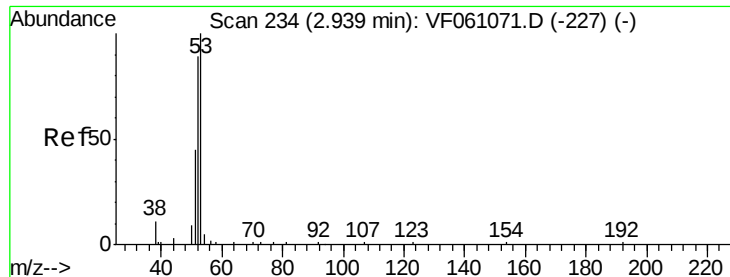
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#14
Allyl chloride
Concen: 72.587 ug/l
RT: 2.08 min Scan# 147
Delta R.T. -0.01 min
Lab File: VF061246.D
Acq: 2 Jan 2019 11:03

Tgt Ion	41	Resp	123227
Ion Ratio	Lower	Upper	
41	100		
39	102.3	96.4	144.6
76	27.7	25.4	38.0





#15

Acrylonitrile

Concen: 295.159 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.01 min

Lab File: VF061246.D

Acq: 2 Jan 2019 11:03

Instrument :

MSVOA_F

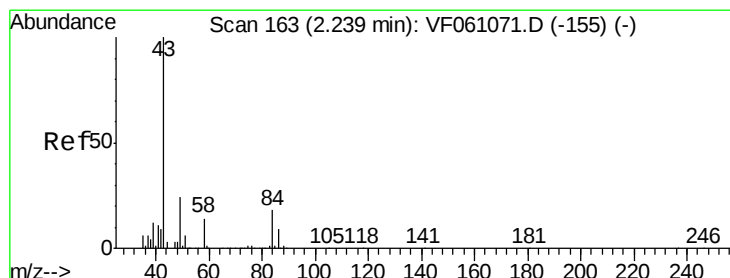
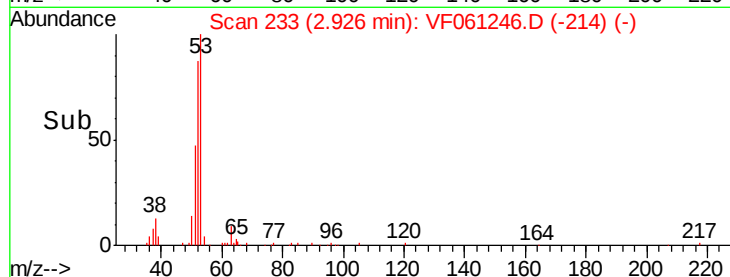
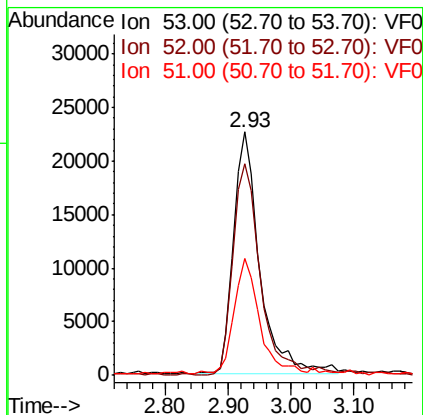
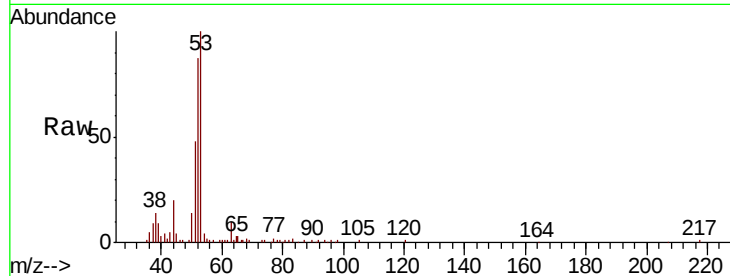
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	65557
Ion	Ratio	Lower	Upper
53	100		
52	86.7	71.3	106.9
51	48.1	36.8	55.2

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#16

Acetone

Concen: 269.242 ug/l

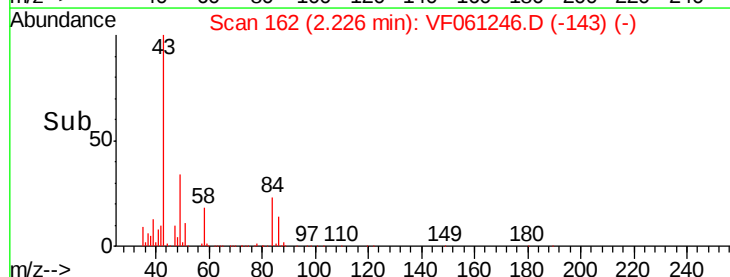
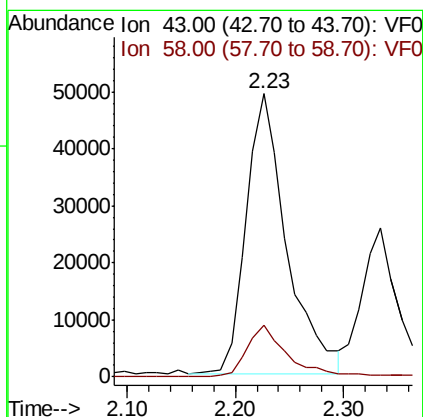
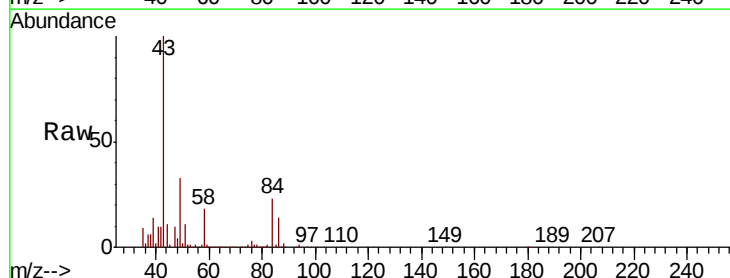
RT: 2.23 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061246.D

Acq: 2 Jan 2019 11:03

Tgt Ion:	43	Resp:	128113
Ion	Ratio	Lower	Upper
43	100		
58	18.4	11.1	16.7#





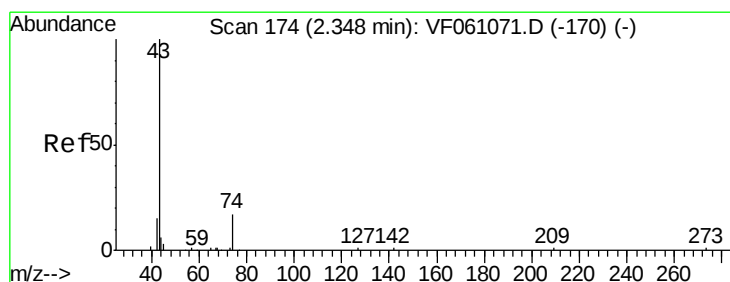
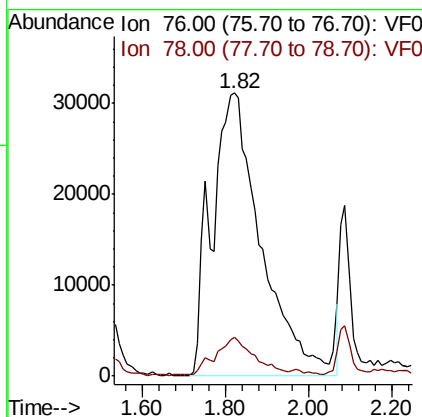
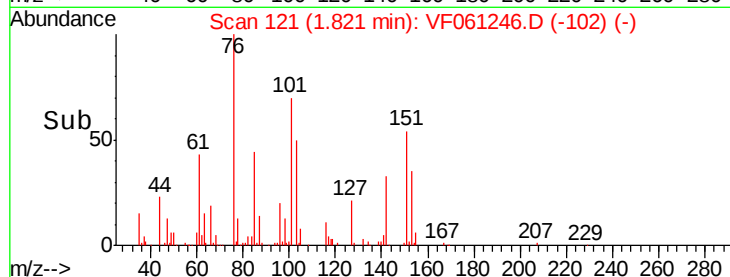
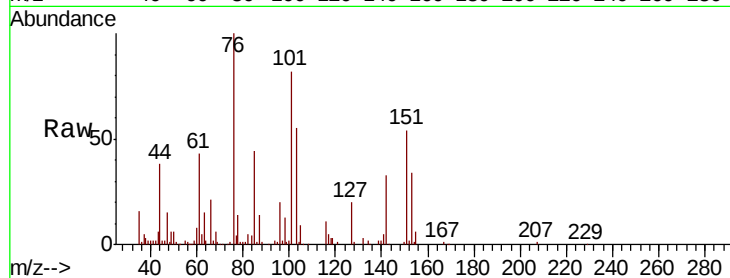
#17
Carbon Disulfide
Concen: 52.997 ug/l m
RT: 1.82 min Scan# 121
Delta R.T. -0.01 min
Lab File: VF061246.D
Acq: 2 Jan 2019 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 261268
Ion Ratio Lower Upper
76 100
78 13.9 10.2 15.4

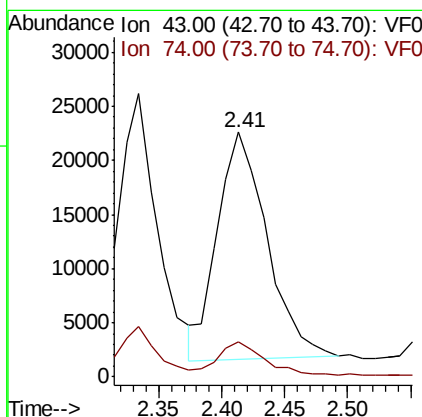
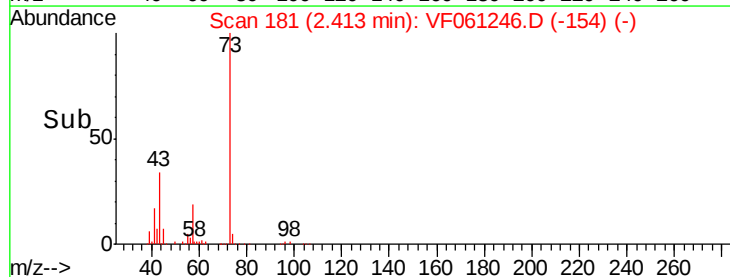
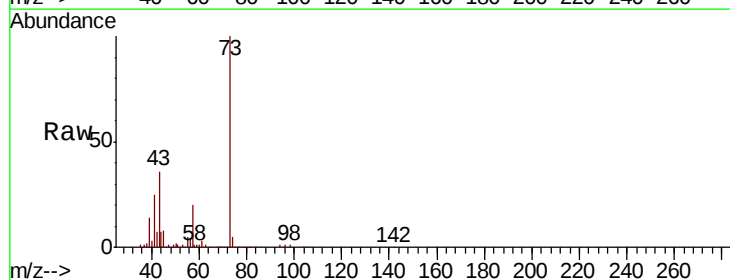
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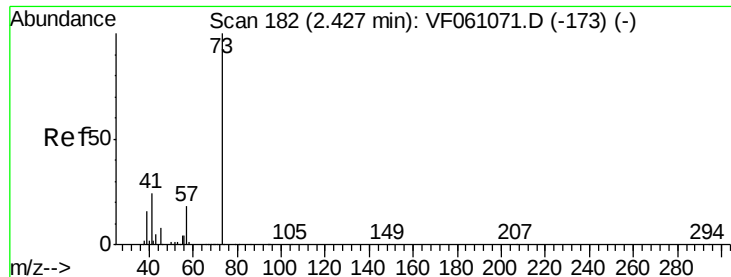
MMDadoda
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#18
Methyl Acetate
Concen: 58.104 ug/l
RT: 2.41 min Scan# 181
Delta R.T. 0.07 min
Lab File: VF061246.D
Acq: 2 Jan 2019 11:03

Tgt Ion: 43 Resp: 57200
Ion Ratio Lower Upper
43 100
74 14.5 11.0 16.6





#19

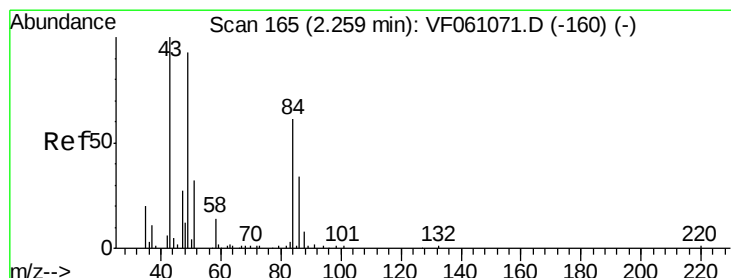
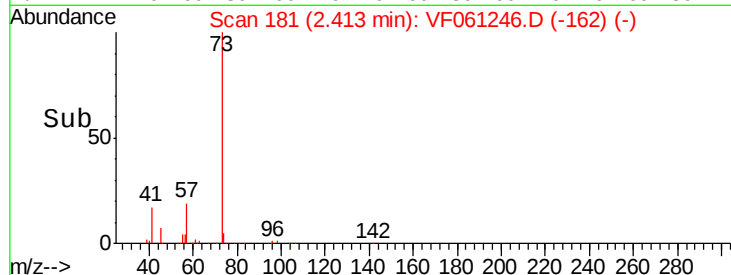
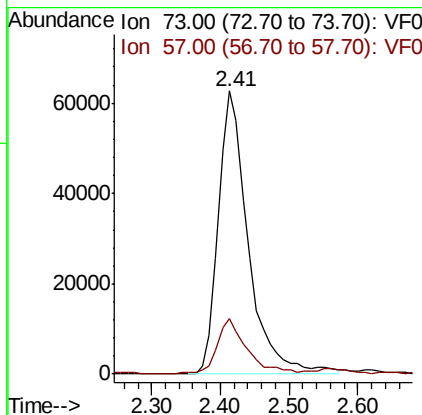
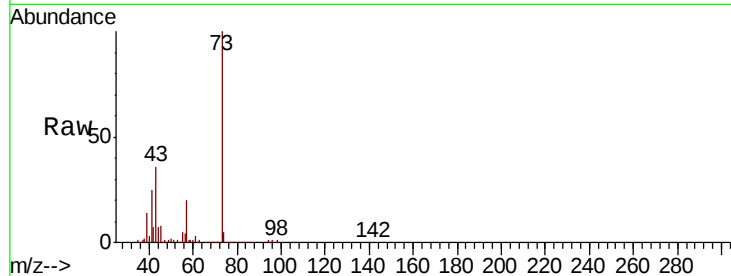
Methyl tert-butyl Ether
 Concen: 51.928 ug/l
 RT: 2.41 min Scan# 181
 Delta R.T. -0.01 min
 Lab File: VF061246.D
 Acq: 2 Jan 2019 11:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.6	14.5	21.7

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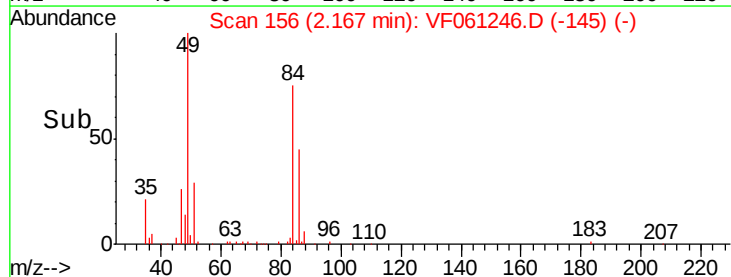
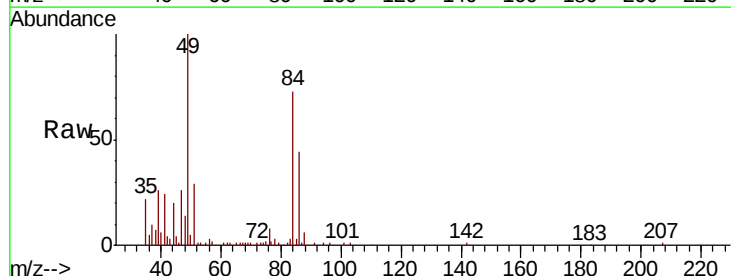
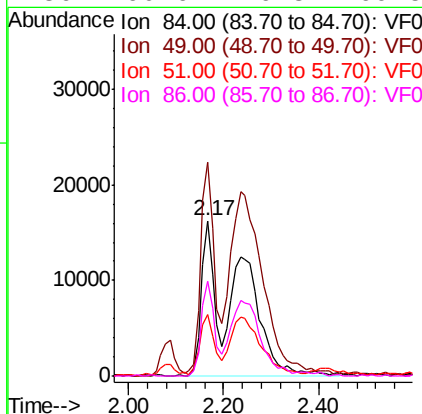
MMDadoda
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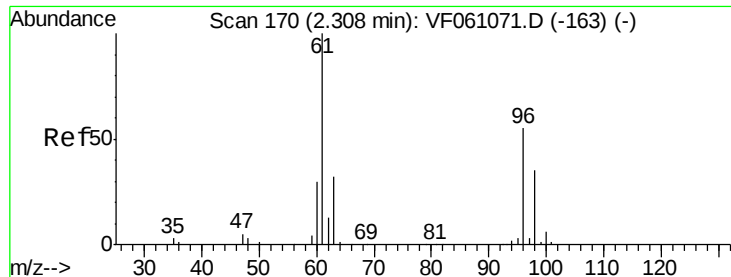


#20

Methylene Chloride
 Concen: 57.191 ug/l m
 RT: 2.17 min Scan# 156
 Delta R.T. -0.09 min
 Lab File: VF061246.D
 Acq: 2 Jan 2019 11:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.6	129.4	194.2
51	40.0	44.0	66.0#
86	60.6	46.3	69.5





#21

trans-1,2-Dichloroethene

Concen: 52.647 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061246.D

Acq: 2 Jan 2019 11:03

Instrument :

MSVOA_F

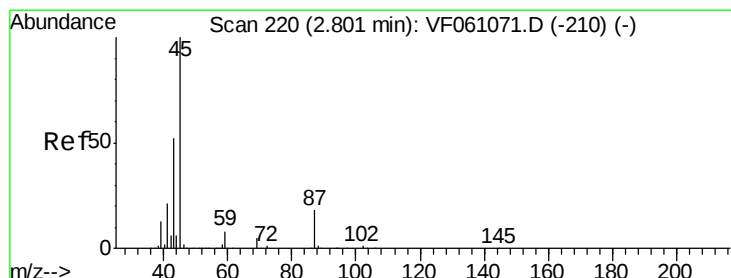
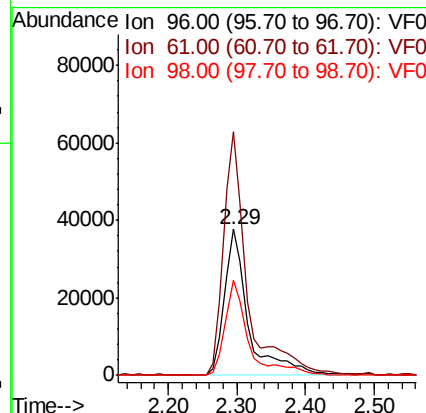
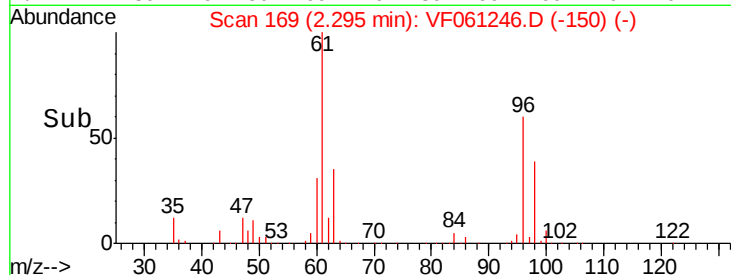
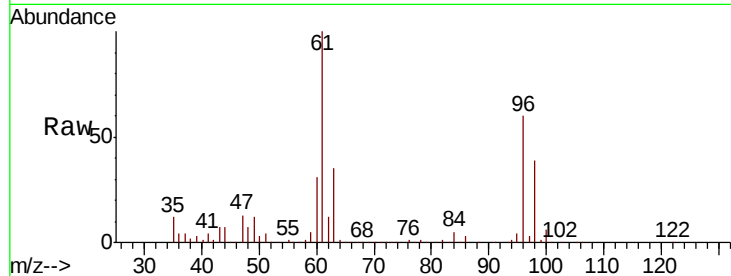
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	91857
Ion	Ratio	Lower	Upper
96	100		
61	166.5	146.0	219.0
98	65.2	51.6	77.4

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#22

Diisopropyl ether

Concen: 55.111 ug/l

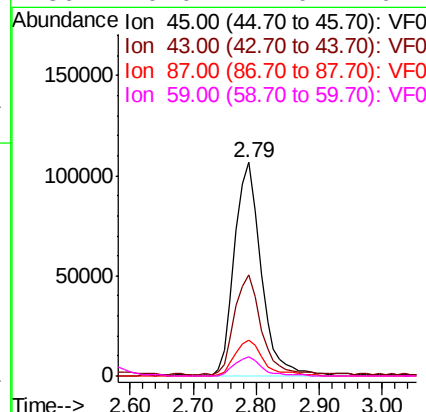
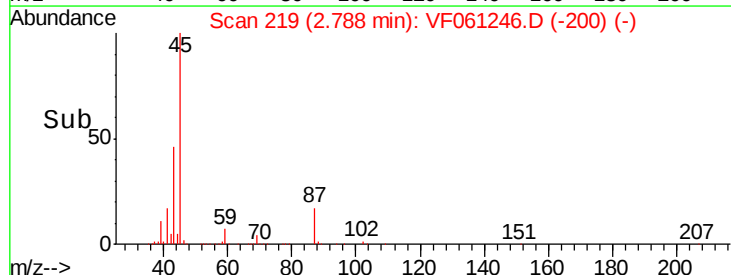
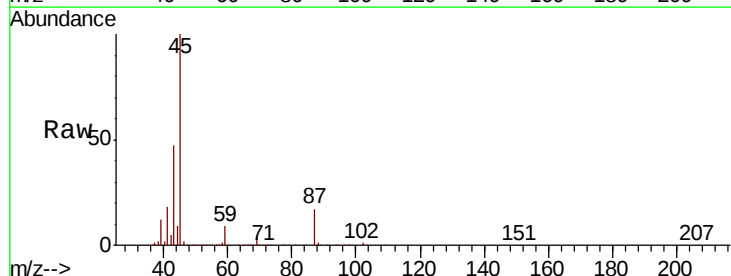
RT: 2.79 min Scan# 219

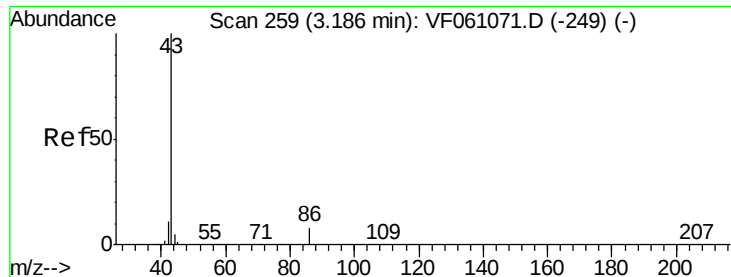
Delta R.T. -0.01 min

Lab File: VF061246.D

Acq: 2 Jan 2019 11:03

Tgt Ion:	45	Resp:	311643
Ion	Ratio	Lower	Upper
45	100		
43	47.3	42.2	63.2
87	17.0	14.6	22.0
59	9.0	7.0	10.4





#23

Vinyl Acetate

Concen: 259.981 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF061246.D

Acq: 2 Jan 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 678220

Ion Ratio Lower Upper

43 100

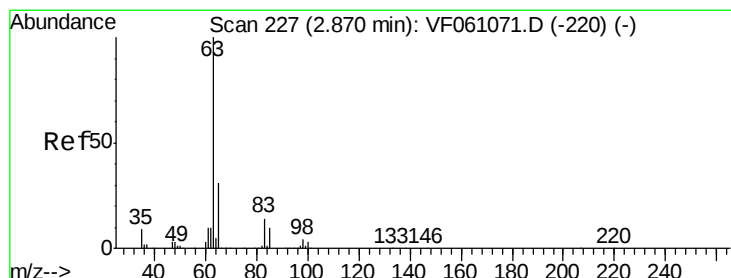
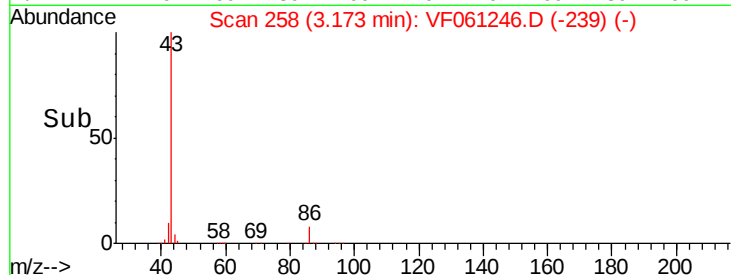
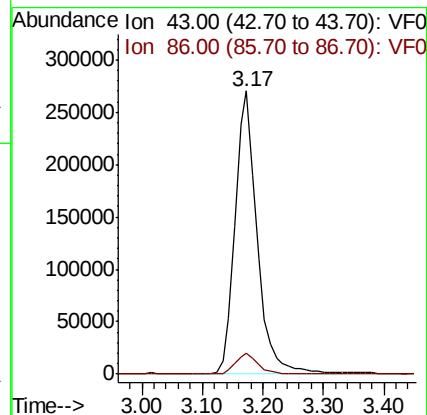
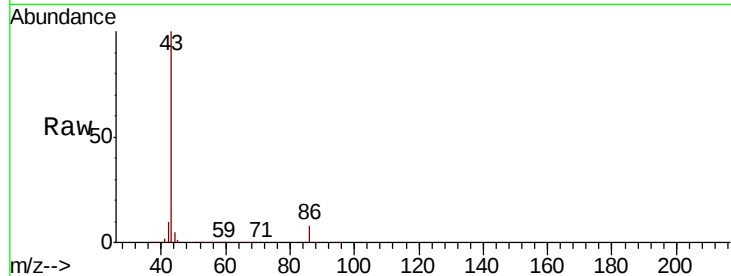
86 7.5 6.3 9.5

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#24

1,1-Dichloroethane

Concen: 56.058 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.01 min

Lab File: VF061246.D

Acq: 2 Jan 2019 11:03

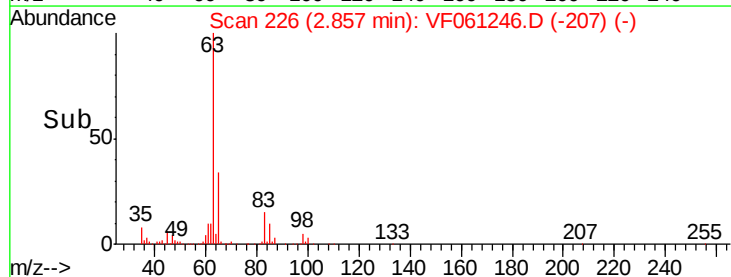
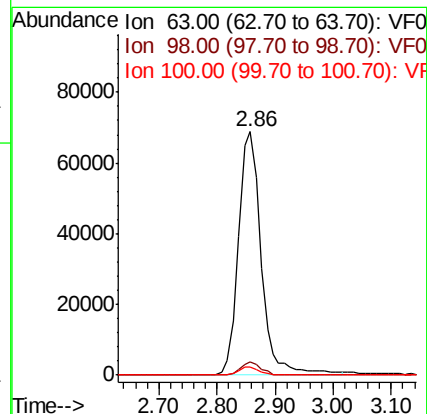
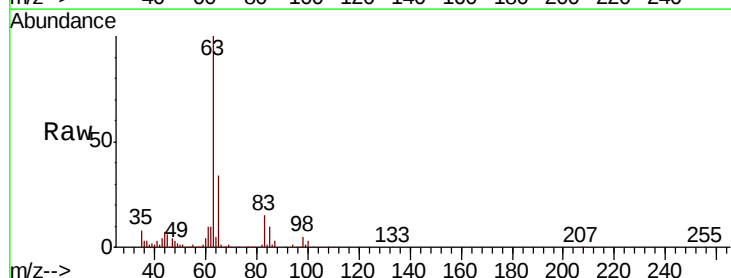
Tgt Ion: 63 Resp: 187821

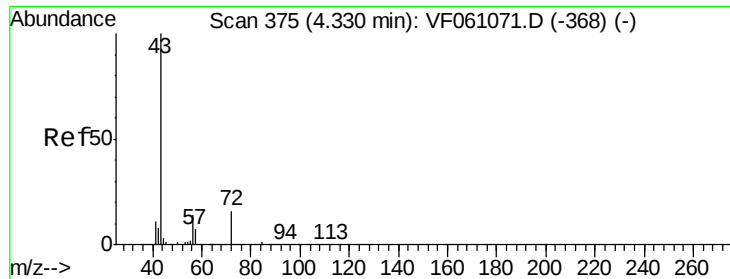
Ion Ratio Lower Upper

63 100

98 5.2 2.1 6.5

100 3.4 1.7 5.1





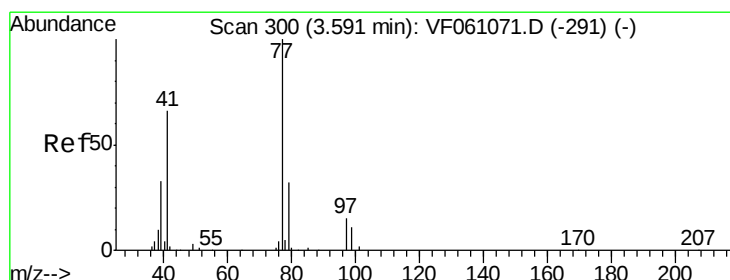
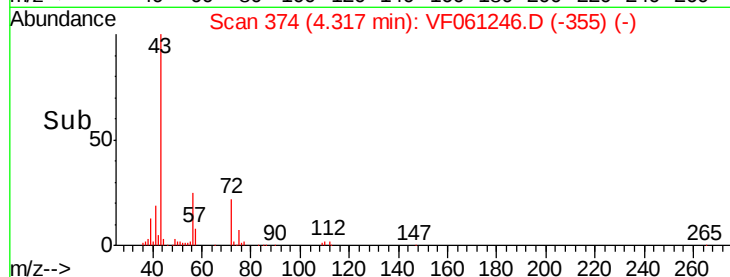
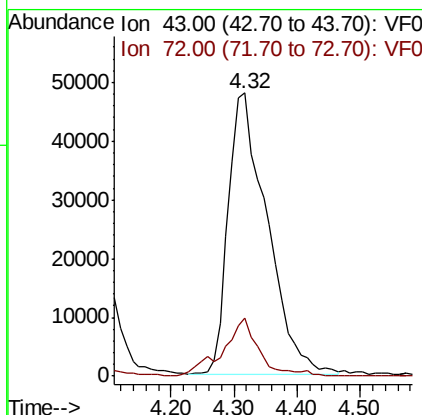
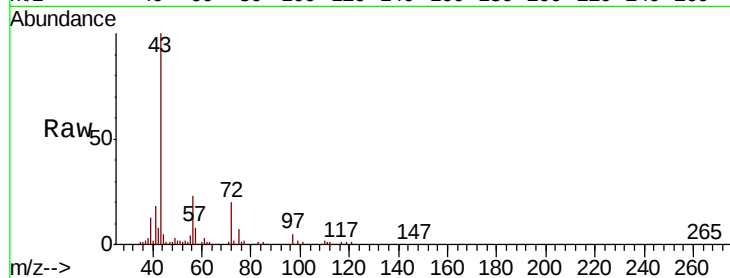
#25
 2-Butanone
 Concen: 266.803 ug/l
 RT: 4.32 min Scan# 374
 Delta R.T. -0.01 min
 Lab File: VF061246.D
 Acq: 2 Jan 2019 11:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
72	20.3	15.6	23.4

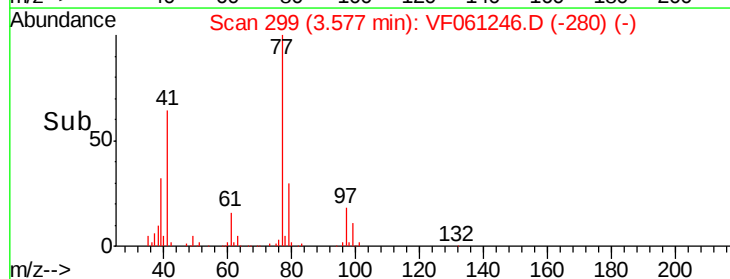
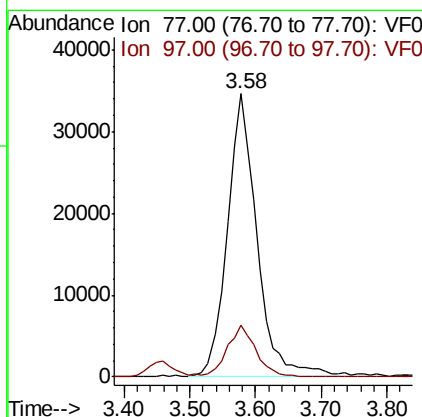
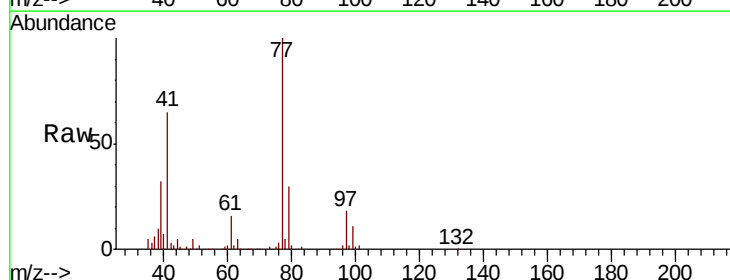
Manual Integrations
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#26
 2,2-Dichloropropane
 Concen: 56.954 ug/l
 RT: 3.58 min Scan# 299
 Delta R.T. -0.01 min
 Lab File: VF061246.D
 Acq: 2 Jan 2019 11:03

Tgt Ion	Ratio	Lower	Upper
77	100		
97	18.3	8.2	24.4





#27

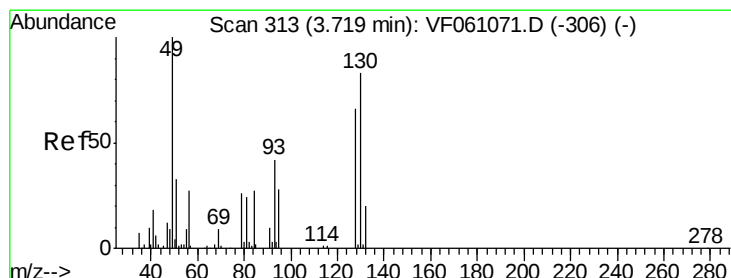
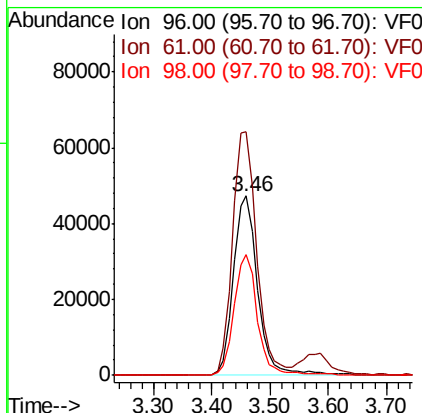
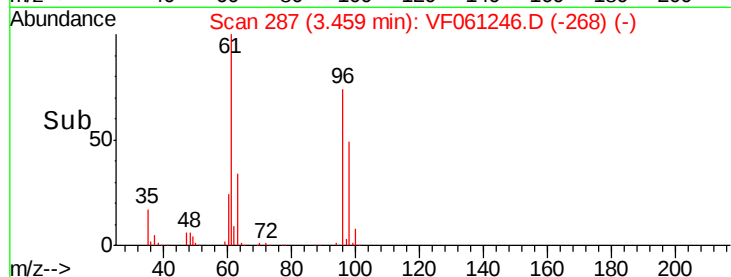
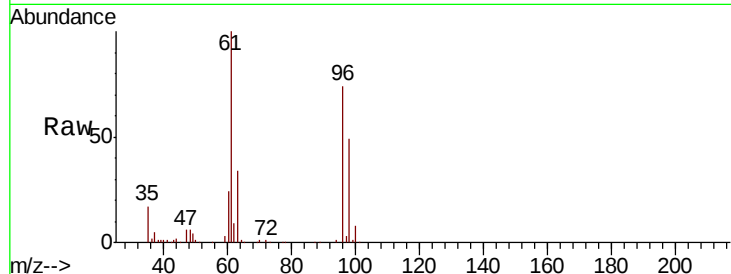
cis-1,2-Dichloroethene
Concen: 51.567 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.01 min
Lab File: VF061246.D
Acq: 2 Jan 2019 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	137742		
61	135.6	0.0	287.8	
98	67.0	0.0	134.2	

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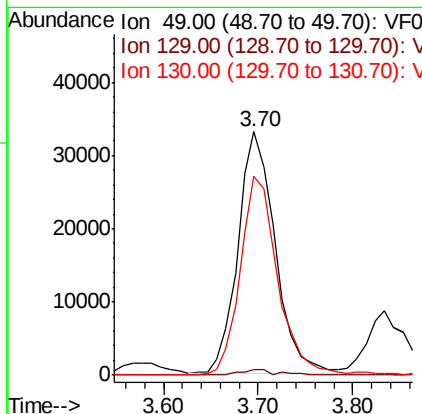
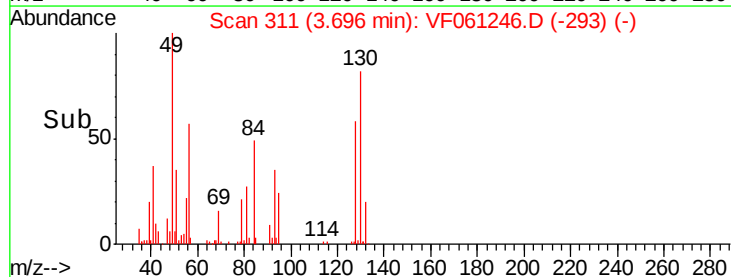
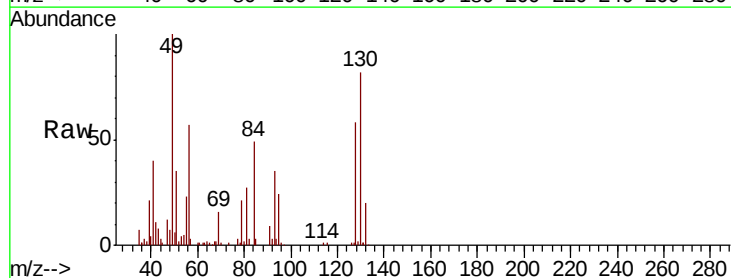
MMDadoda
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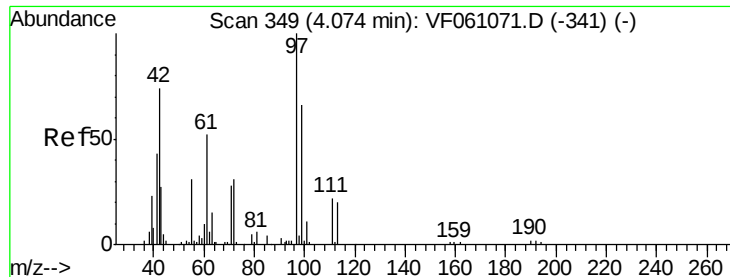


#28

Bromochloromethane
Concen: 52.785 ug/l
RT: 3.70 min Scan# 311
Delta R.T. -0.02 min
Lab File: VF061246.D
Acq: 2 Jan 2019 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	89737		
129	2.4	0.0	3.6	
130	81.7	65.8	98.6	





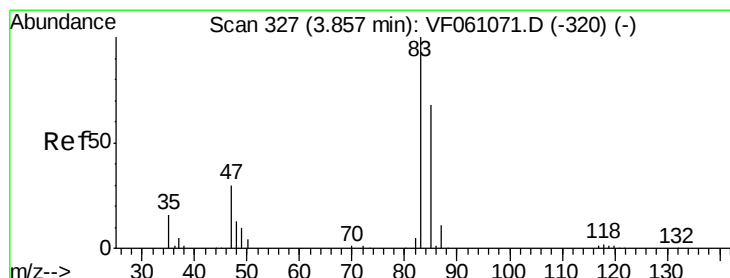
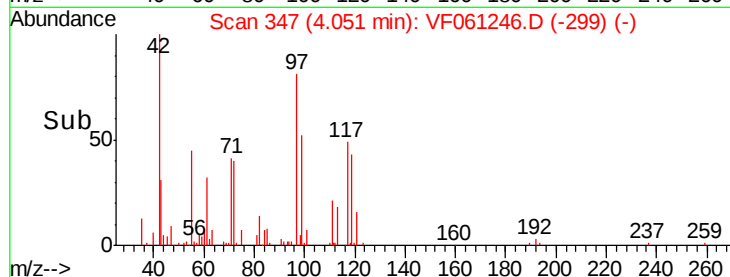
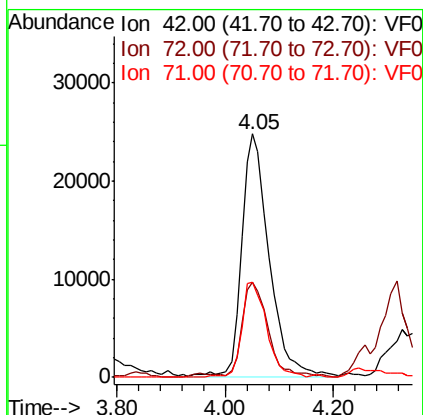
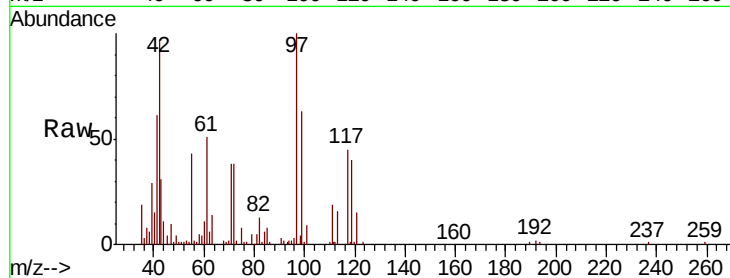
#29
Tetrahydrofuran
Concen: 280.791 ug/l
RT: 4.05 min Scan# 347
Delta R.T. -0.02 min
Lab File: VF061246.D
Acq: 2 Jan 2019 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.7	31.8	47.8
71	35.2	29.7	44.5

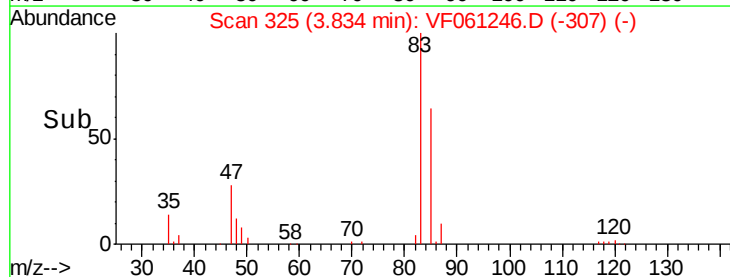
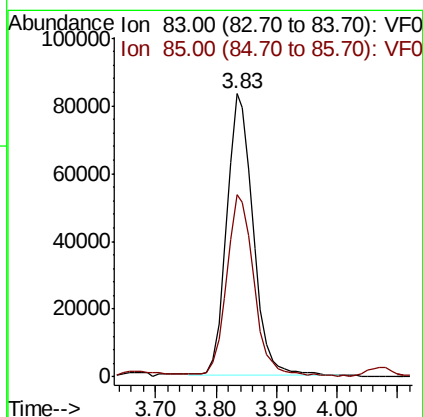
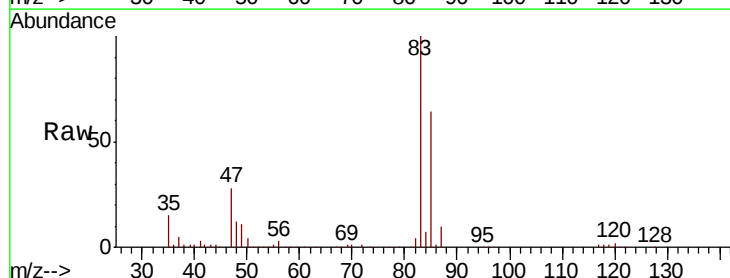
Manual Integrations
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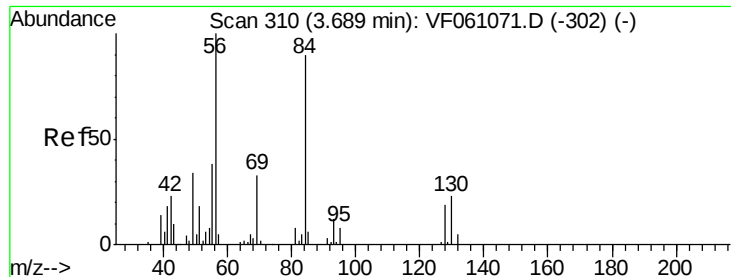
MMDadoda
1/3/2019 3:08:10 PM



#30
Chloroform
Concen: 50.095 ug/l
RT: 3.83 min Scan# 325
Delta R.T. -0.02 min
Lab File: VF061246.D
Acq: 2 Jan 2019 11:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	54.5	81.7





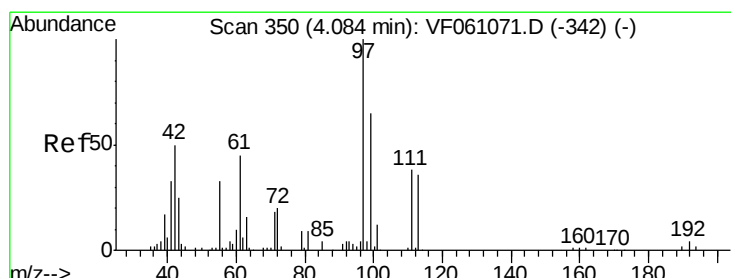
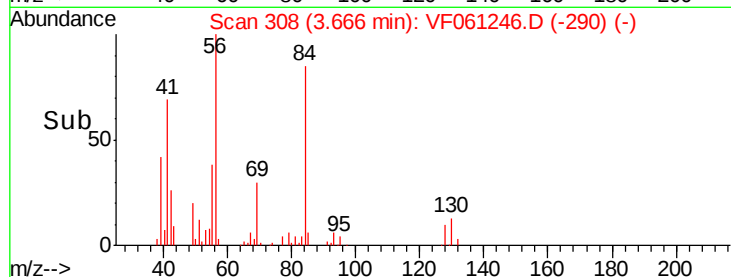
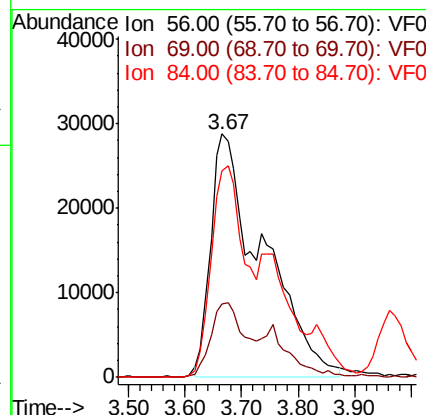
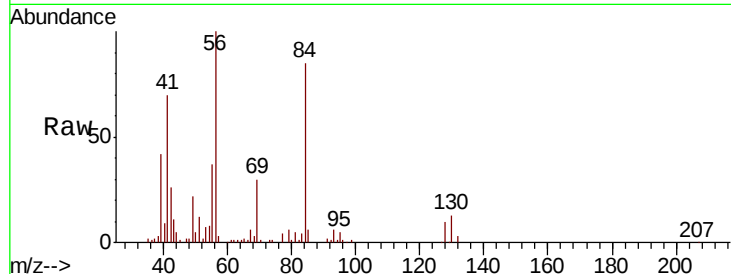
#31
Cyclohexane
Concen: 52.658 ug/l m
RT: 3.67 min Scan# 308
Delta R.T. -0.02 min
Lab File: VF061246.D
Acq: 2 Jan 2019 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	26.0	39.0
84	84.8	71.4	107.2

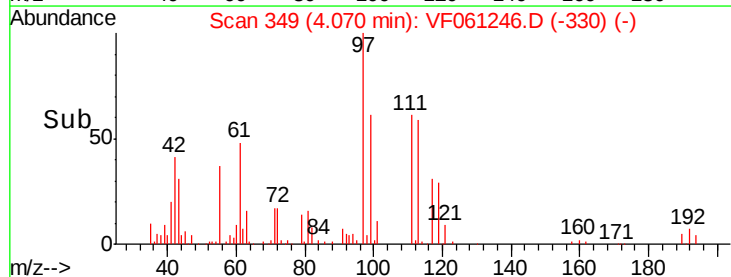
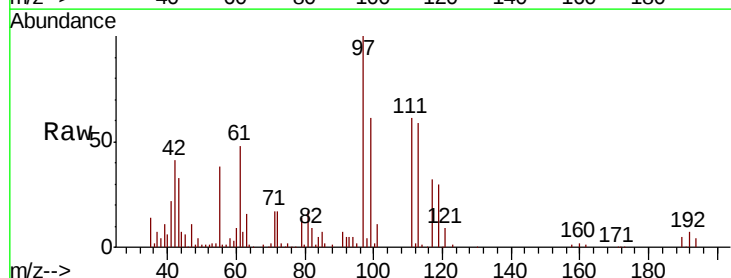
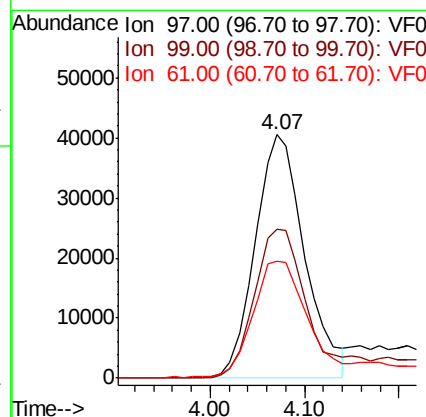
Manual Integrations
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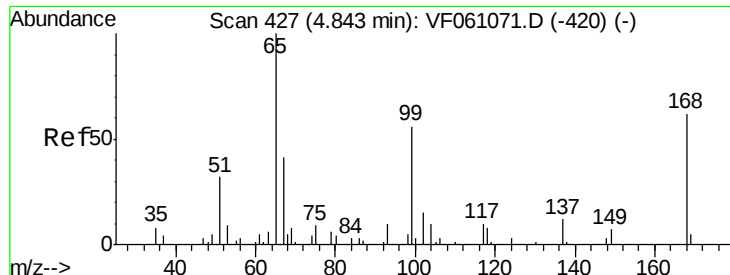
MMDadoda
1/3/2019 3:08:10 PM



#32
1,1,1-Trichloroethane
Concen: 49.049 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.01 min
Lab File: VF061246.D
Acq: 2 Jan 2019 11:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.3	51.6	77.4
61	48.2	36.2	54.2





#33

1,2-Dichloroethane-d4

Concen: 50.278 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.02 min

Lab File: VF061246.D

Acq: 2 Jan 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 119671

Ion Ratio Lower Upper

65 100

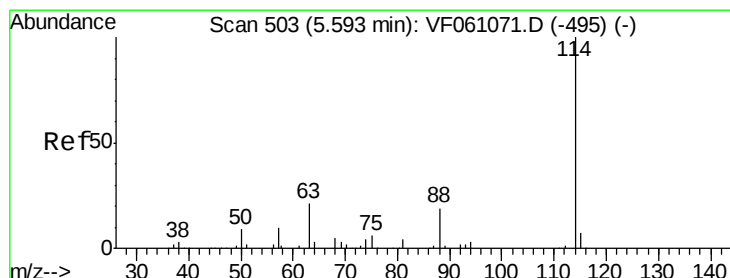
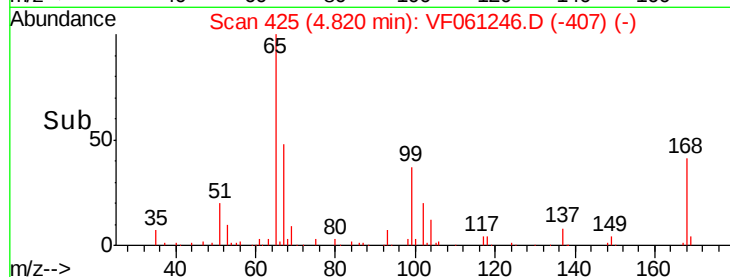
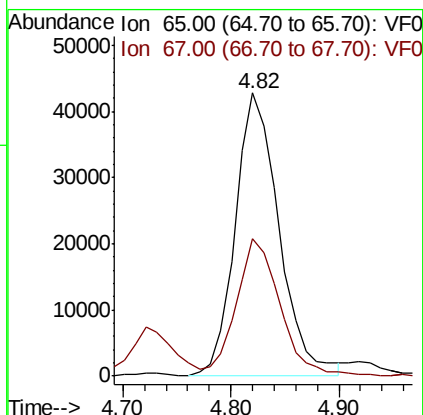
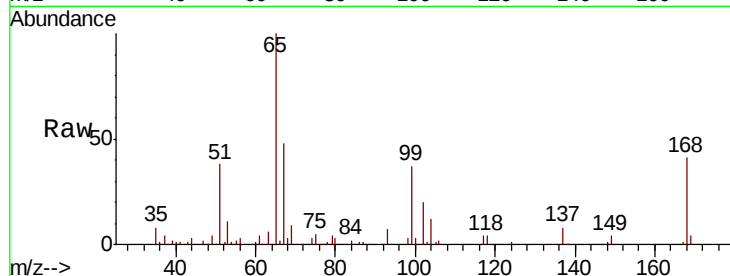
67 48.4 0.0 94.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF061246.D

Acq: 2 Jan 2019 11:03

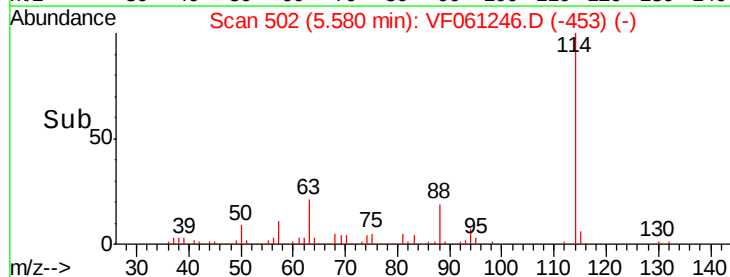
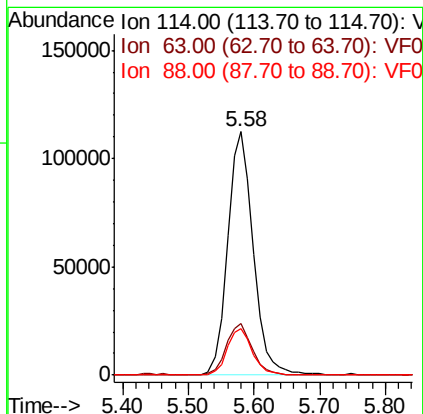
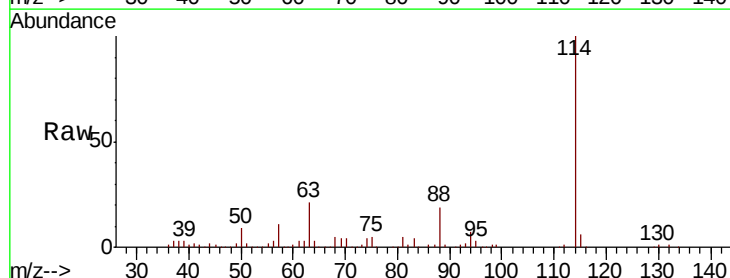
Tgt Ion: 114 Resp: 306636

Ion Ratio Lower Upper

114 100

63 21.4 0.0 41.6

88 19.3 0.0 38.0





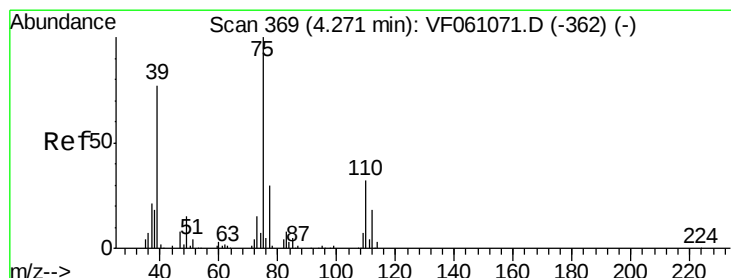
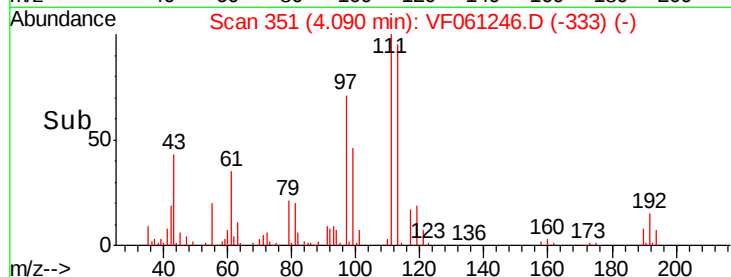
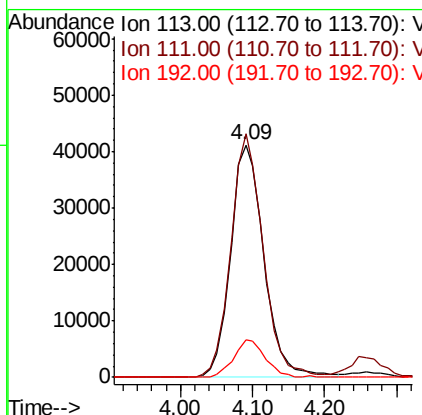
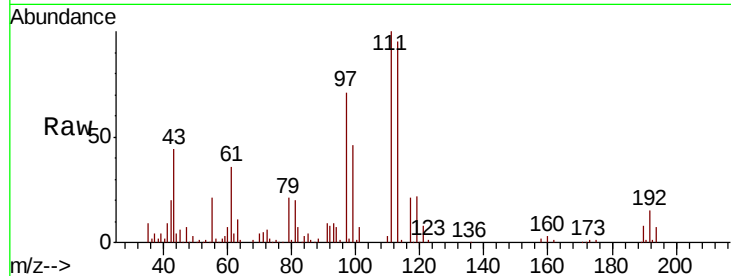
#35
 Dibromofluoromethane
 Concen: 54.065 ug/l
 RT: 4.09 min Scan# 351
 Delta R.T. -0.02 min
 Lab File: VF061246.D
 Acq: 2 Jan 2019 11:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	132802		
111	104.8	85.2	127.8	
192	16.8	12.8	19.2	

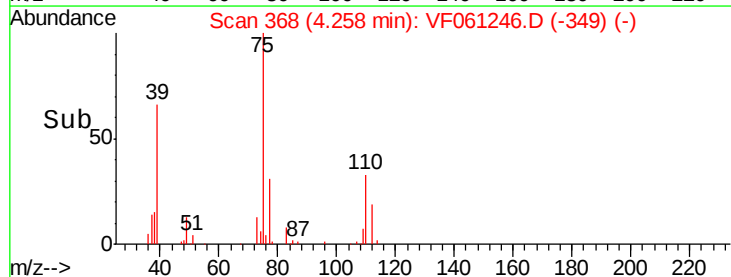
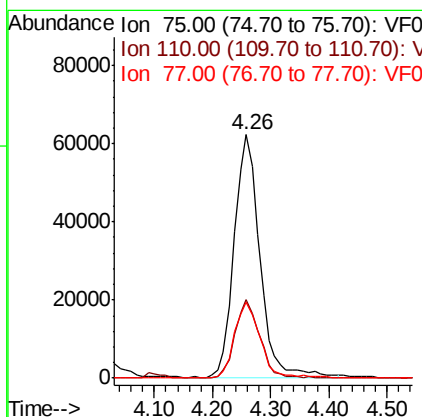
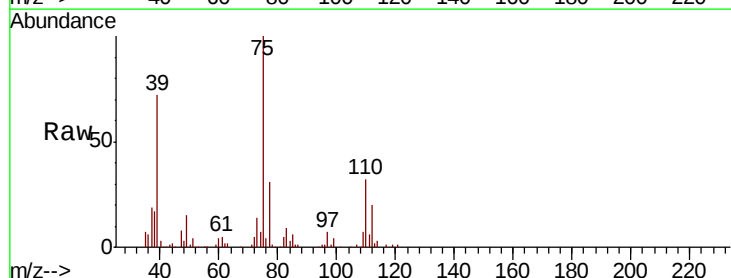
Manual Integrations
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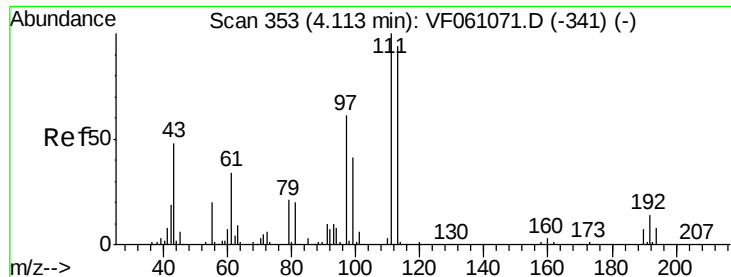
MMDadoda
 1/3/2019 3:08:10 PM



#36
 1,1-Dichloropropene
 Concen: 51.526 ug/l
 RT: 4.26 min Scan# 368
 Delta R.T. -0.01 min
 Lab File: VF061246.D
 Acq: 2 Jan 2019 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	190714		
110	32.2	16.1	48.2	
77	31.1	24.5	36.7	





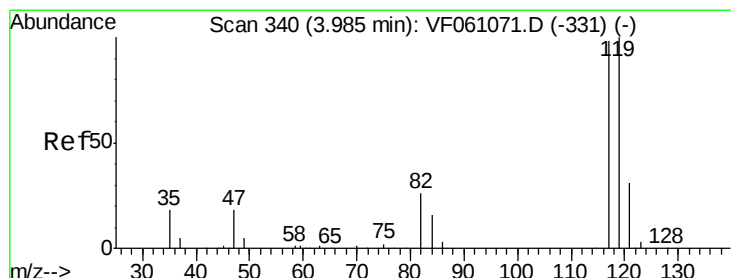
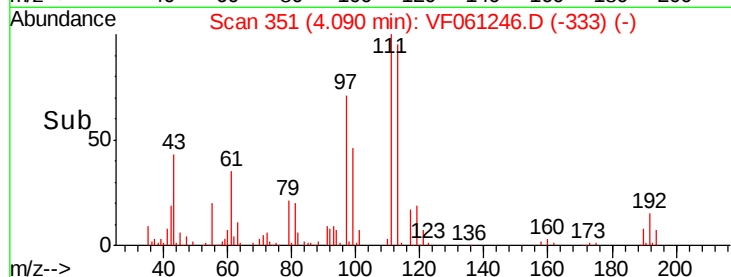
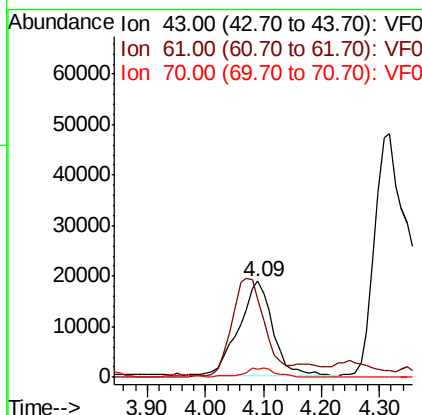
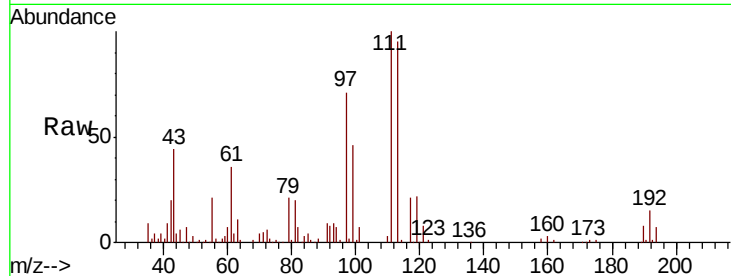
#37
Ethyl Acetate
Concen: 54.402 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.02 min
Lab File: VF061246.D
Acq: 2 Jan 2019 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	81.3	56.6	84.8
70	8.4	6.3	9.5

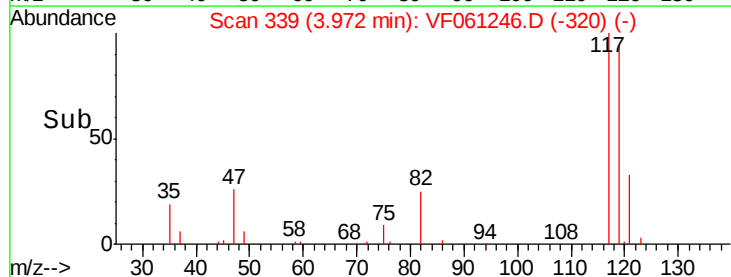
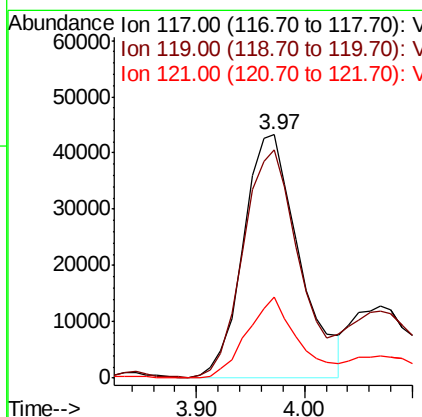
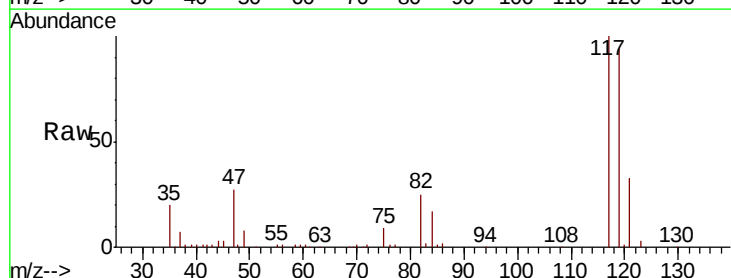
Manual Integrations
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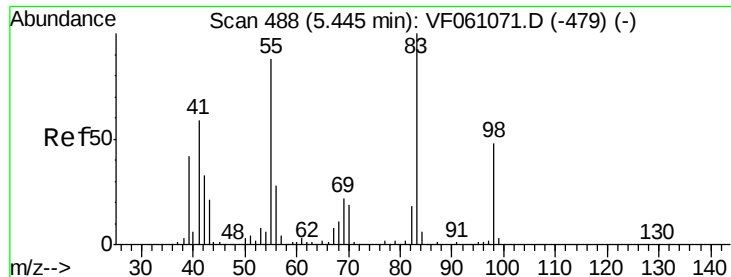
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#38
Carbon Tetrachloride
Concen: 54.906 ug/l
RT: 3.97 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF061246.D
Acq: 2 Jan 2019 11:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	82.1	123.1
121	33.5	25.5	38.3





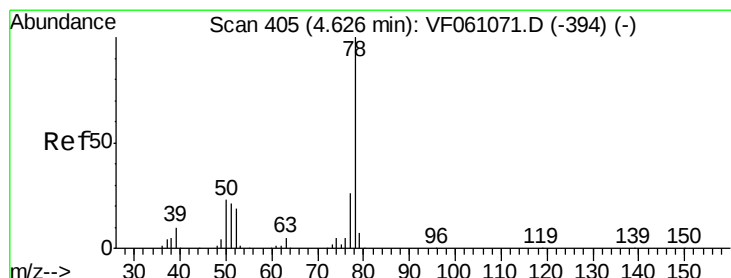
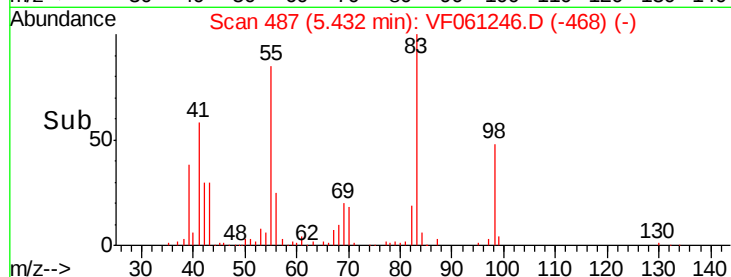
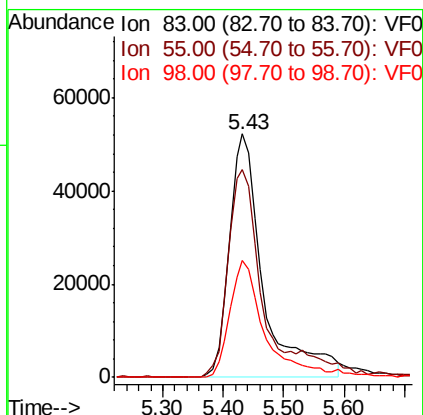
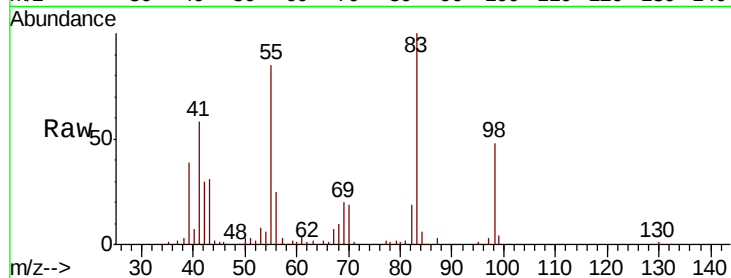
#39
Methvlcvclohexane
Concen: 61.474 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.01 min
Lab File: VF061246.D
Acq: 2 Jan 2019 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.4	70.6	105.8
98	47.8	38.5	57.7

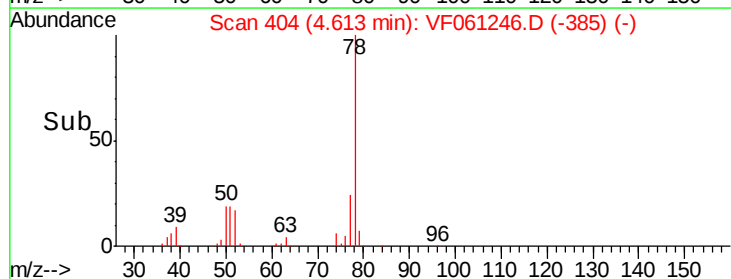
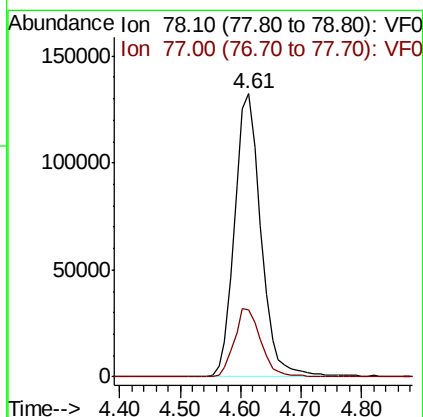
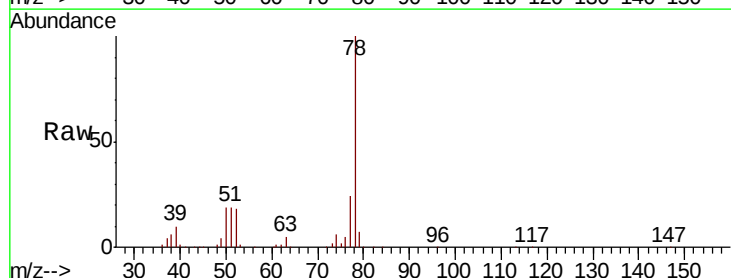
Manual Integrations
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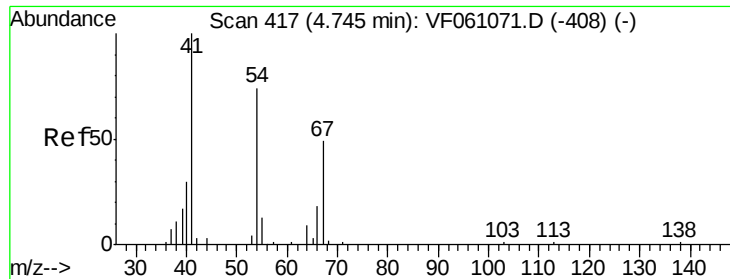
MMDadoda
1/3/2019 3:08:10 PM



#40
Benzene
Concen: 50.656 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.01 min
Lab File: VF061246.D
Acq: 2 Jan 2019 11:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	20.7	31.1





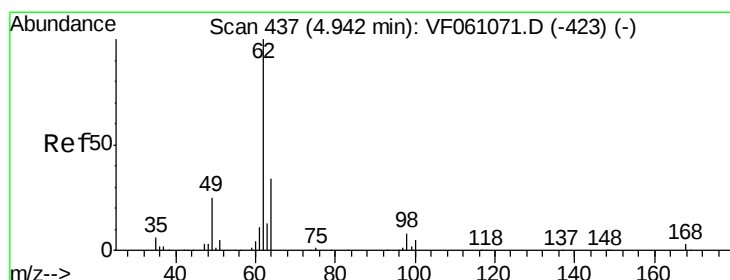
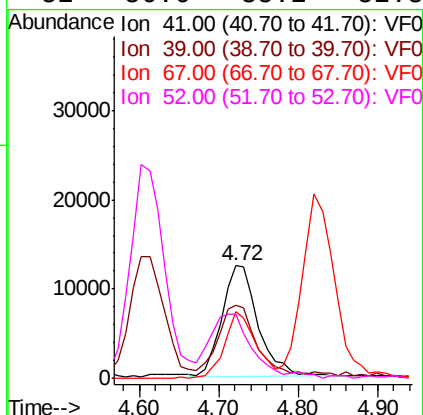
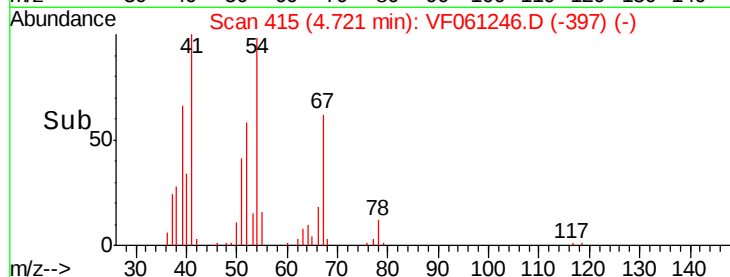
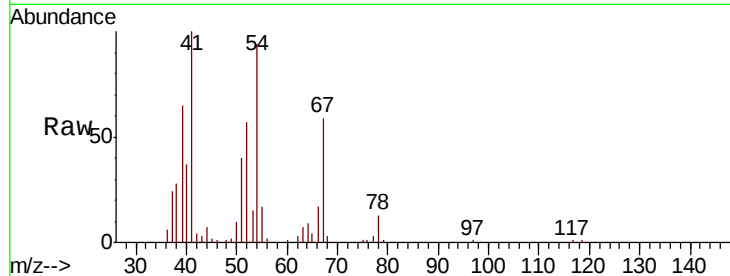
#41
Methacrylonitrile
Concen: 50.184 ug/l
RT: 4.72 min Scan# 415
Delta R.T. -0.02 min
Lab File: VF061246.D
Acq: 2 Jan 2019 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.4	45.7	68.5
67	59.4	38.9	58.3#
52	56.6	35.2	52.8#

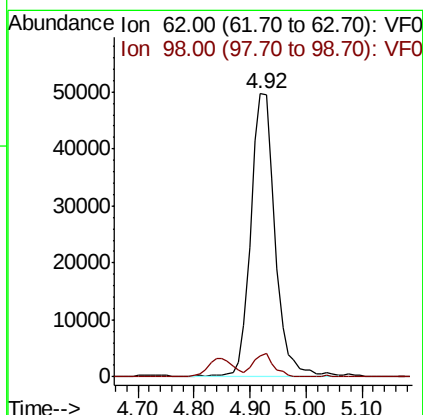
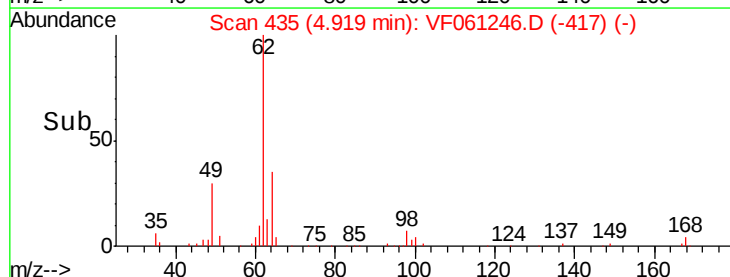
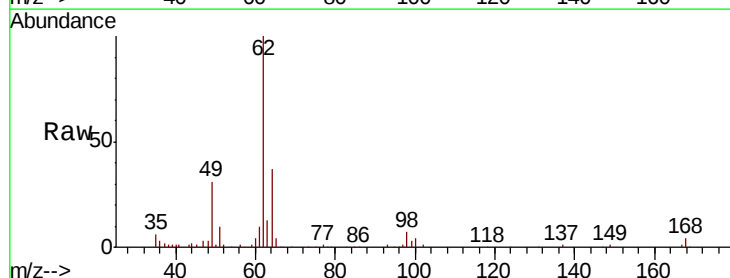
Manual Integrations
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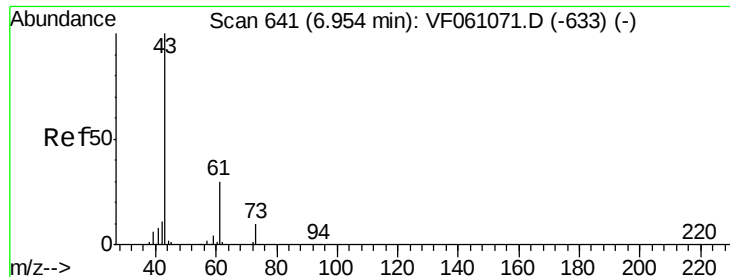
MMDadoda
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#42
1,2-Dichloroethane
Concen: 49.609 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.02 min
Lab File: VF061246.D
Acq: 2 Jan 2019 11:03

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	16.6





#43

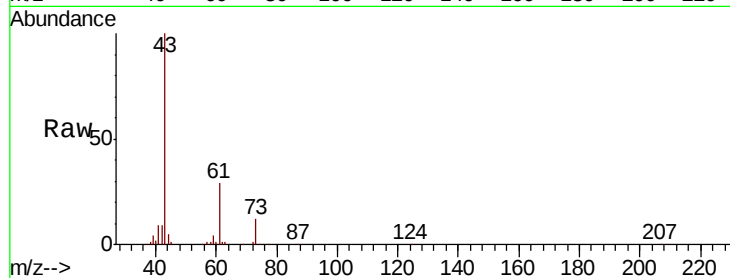
Isopropyl Acetate
 Concen: 57.194 ug/l
 RT: 6.94 min Scan# 640
 Delta R.T. -0.01 min
 Lab File: VF061246.D
 Acq: 2 Jan 2019 11:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.3	23.8	35.8
87	0.4	0.0	0.0#

Manual Integrations
 APPROVED

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 1/3/2019 3:08:10 PM

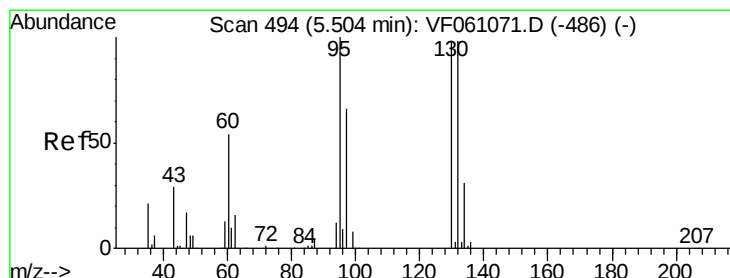
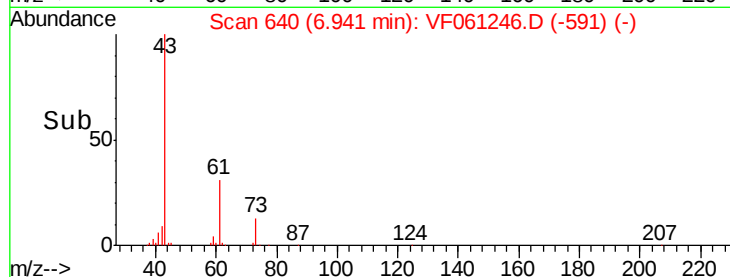
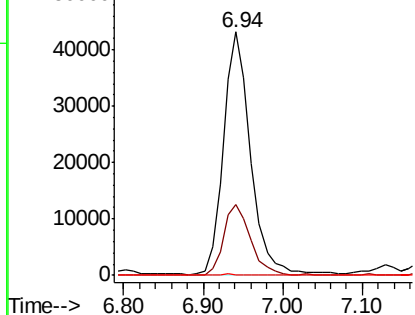


Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

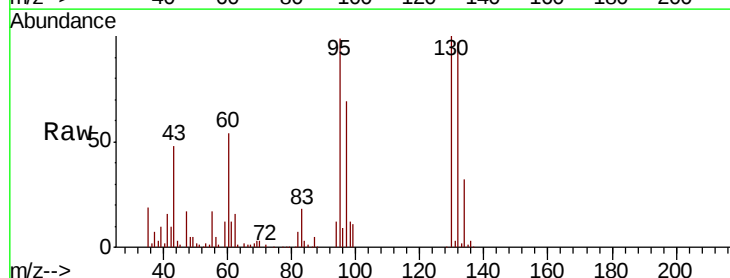
Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene
 Concen: 54.734 ug/l
 RT: 5.48 min Scan# 492
 Delta R.T. -0.02 min
 Lab File: VF061246.D
 Acq: 2 Jan 2019 11:03

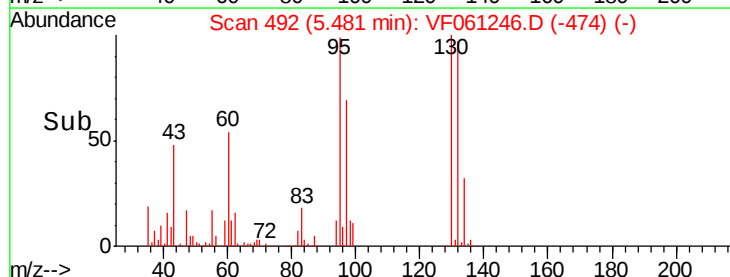
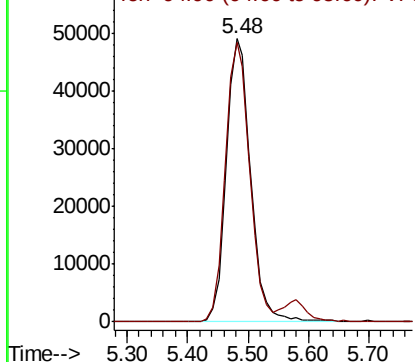
Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	205.2



Abundance

Ion 129.90 (129.60 to 130.60): VF0

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 52.861 ug/l

RT: 6.21 min Scan# 566

Delta R.T. -0.02 min

Lab File: VF061246.D

Acq: 2 Jan 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 114473

Ion Ratio Lower Upper

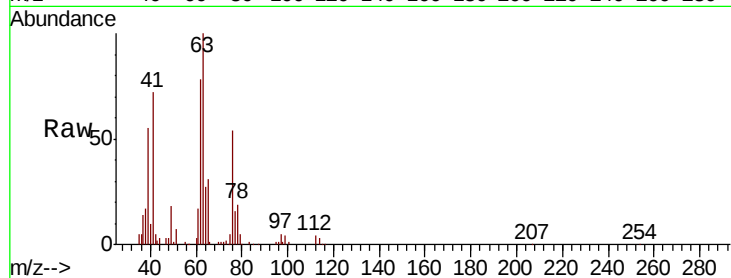
63 100

65 31.1 24.4 36.6

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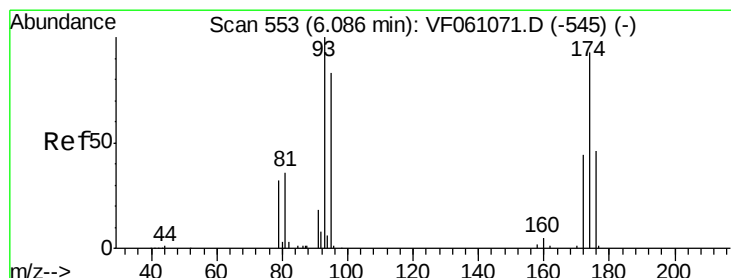
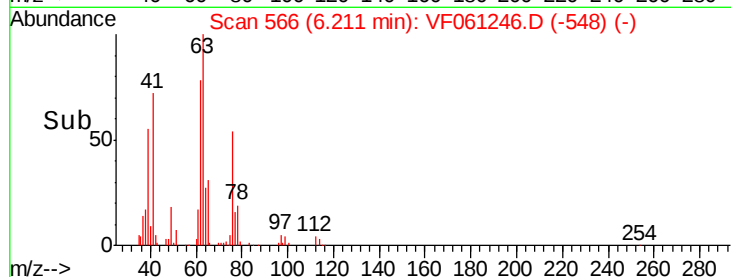
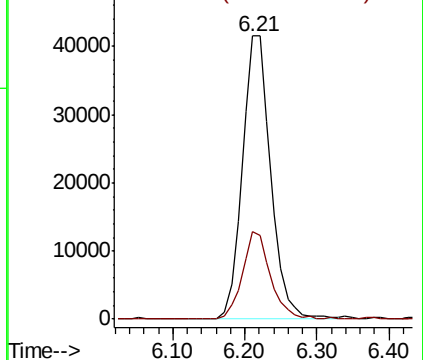
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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 54.079 ug/l

RT: 6.06 min Scan# 551

Delta R.T. -0.02 min

Lab File: VF061246.D

Acq: 2 Jan 2019 11:03

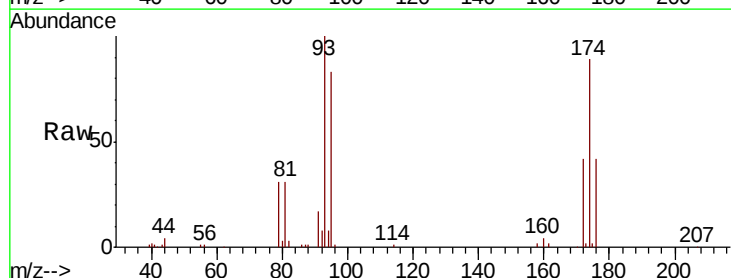
Tgt Ion: 93 Resp: 75957

Ion Ratio Lower Upper

93 100

95 82.6 66.9 100.3

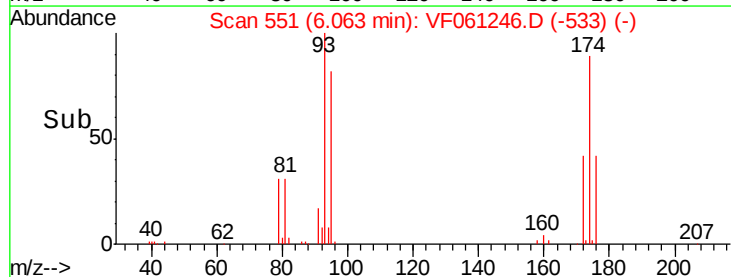
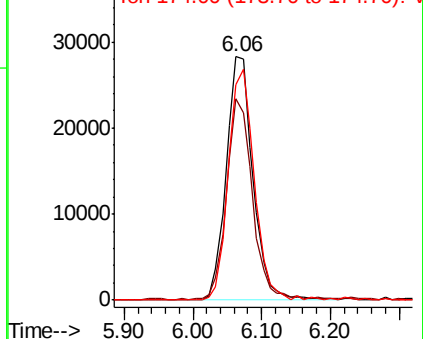
174 88.7 74.1 111.1

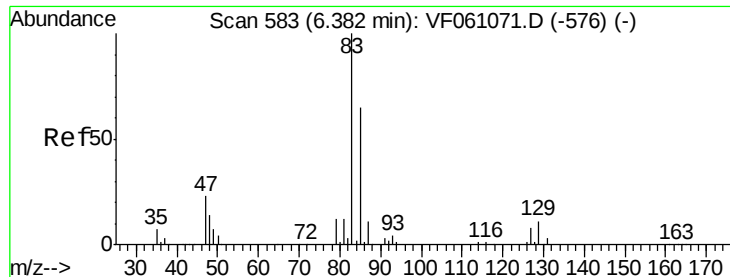


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 51.051 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.01 min

Lab File: VF061246.D

Acq: 2 Jan 2019 11:03

Instrument :

MSVOA_F

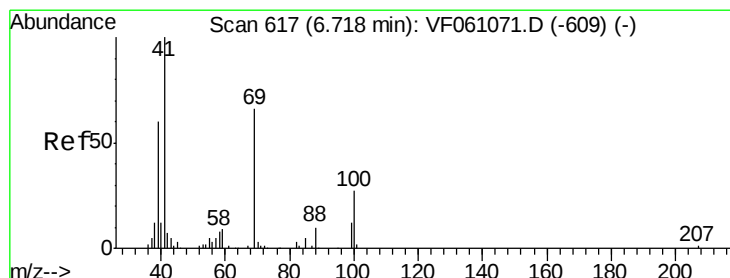
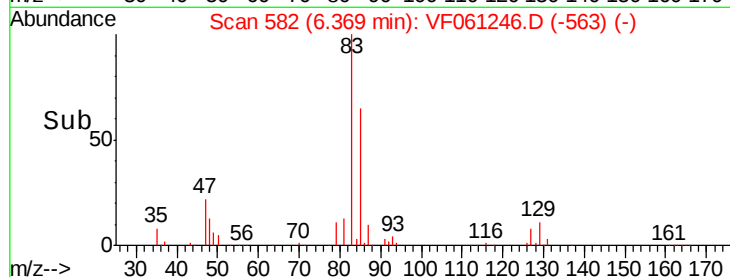
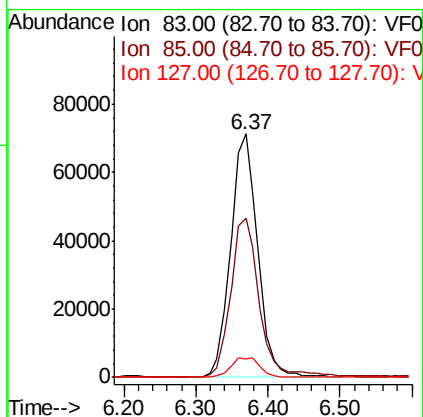
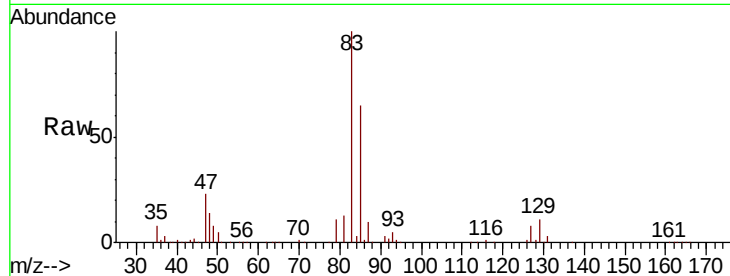
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	186304
Ion Ratio	Lower	Upper	
83	100		
85	65.3	52.2	78.4
127	7.8	6.1	9.1

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#48

Methyl methacrylate

Concen: 49.796 ug/l

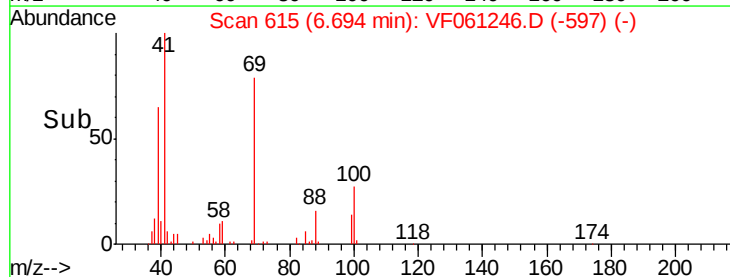
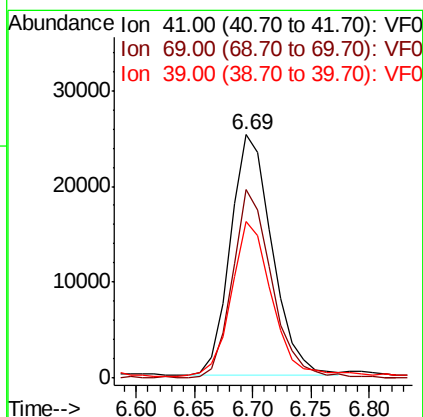
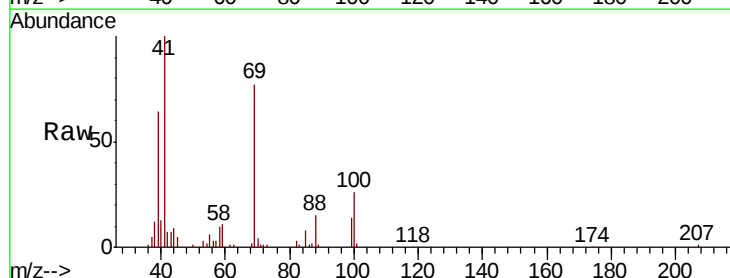
RT: 6.69 min Scan# 615

Delta R.T. -0.02 min

Lab File: VF061246.D

Acq: 2 Jan 2019 11:03

Tgt Ion:	41	Resp:	62127
Ion Ratio	Lower	Upper	
41	100		
69	77.4	52.7	79.1
39	64.5	47.8	71.6





#49

1,4-Dioxane

Concen: 1289.207 ug/l

RT: 6.68 min Scan# 614

Delta R.T. -0.02 min

Lab File: VF061246.D

Acq: 2 Jan 2019 11:03

Instrument :

MSVOA_F

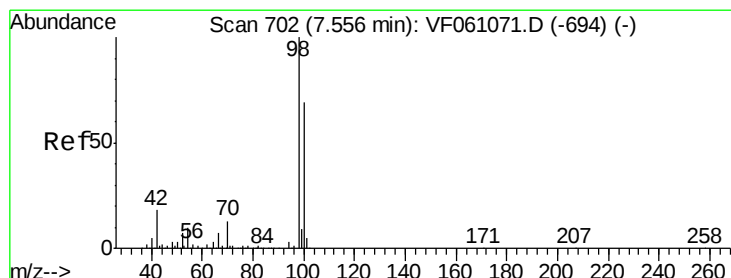
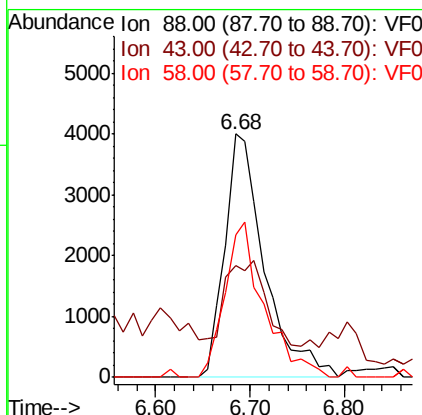
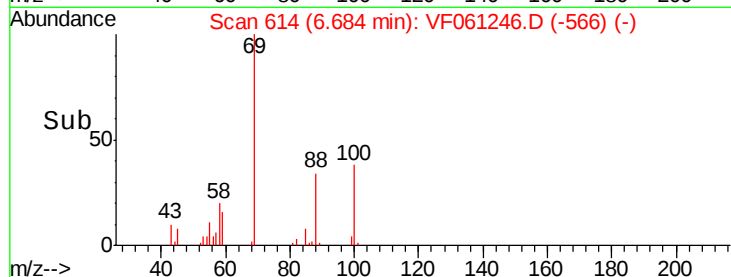
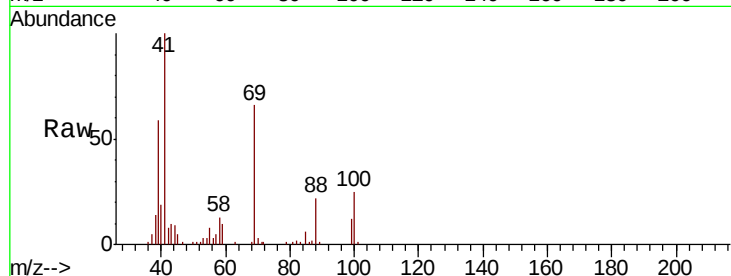
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	11671
Ion	Ratio	Lower	Upper
88	100		
43	46.0	33.3	49.9
58	58.5	53.2	79.8

Manual Integrations
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#50

Toluene-d8

Concen: 51.988 ug/l

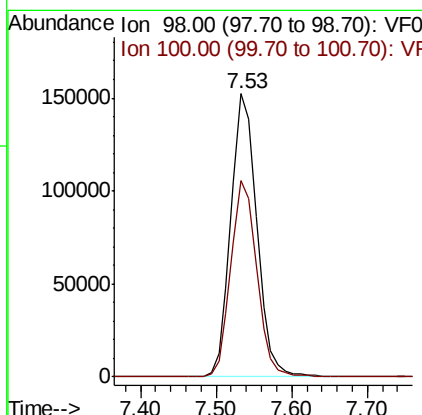
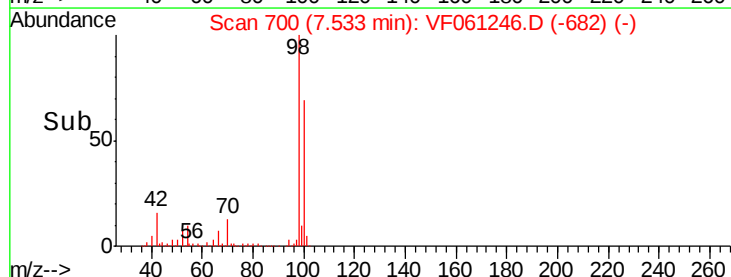
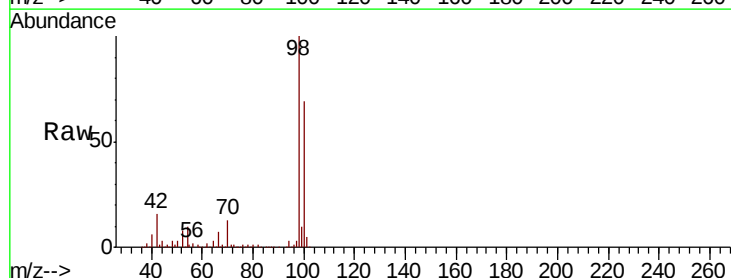
RT: 7.53 min Scan# 700

Delta R.T. -0.02 min

Lab File: VF061246.D

Acq: 2 Jan 2019 11:03

Tgt Ion:	98	Resp:	361882
Ion	Ratio	Lower	Upper
98	100		
100	69.3	55.3	82.9





#51

4-Methyl-2-Pentanone

Concen: 285.663 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.01 min

Lab File: VF061246.D

Acq: 2 Jan 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 350133

Ion Ratio Lower Upper

43 100

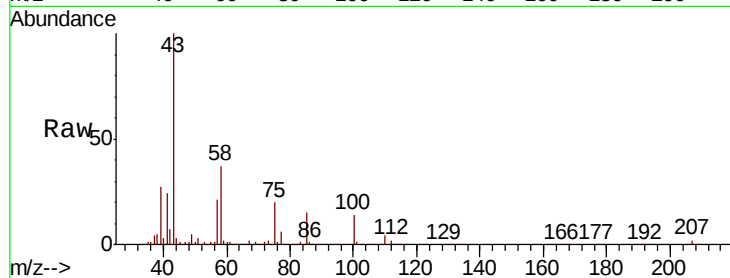
58 37.1 29.1 43.7

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.24

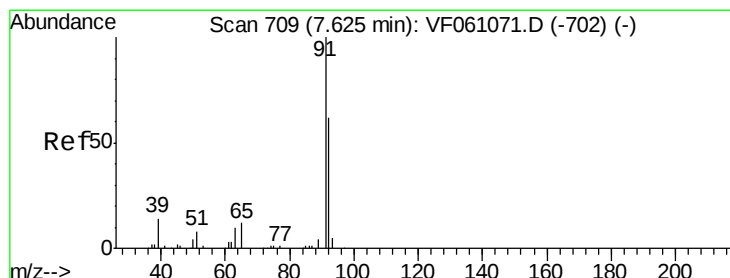
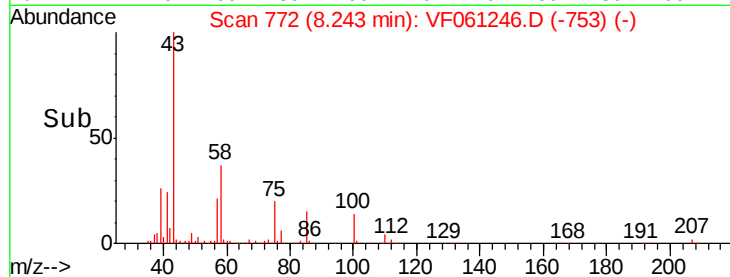
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 51.908 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.01 min

Lab File: VF061246.D

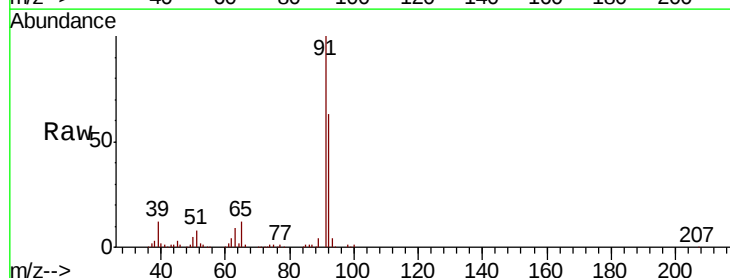
Acq: 2 Jan 2019 11:03

Tgt Ion: 92 Resp: 273499

Ion Ratio Lower Upper

92 100

91 158.5 128.8 193.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.61

200000

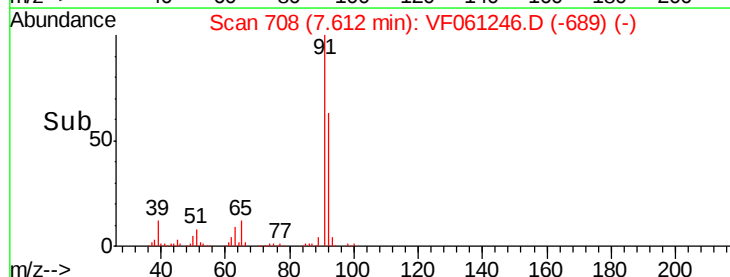
150000

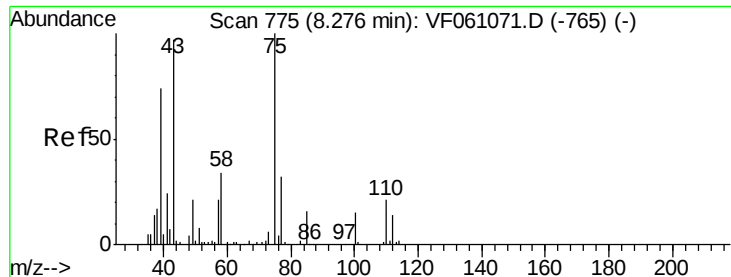
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 53.083 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF061246.D

Acq: 2 Jan 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 156277

Ion Ratio Lower Upper

75 100

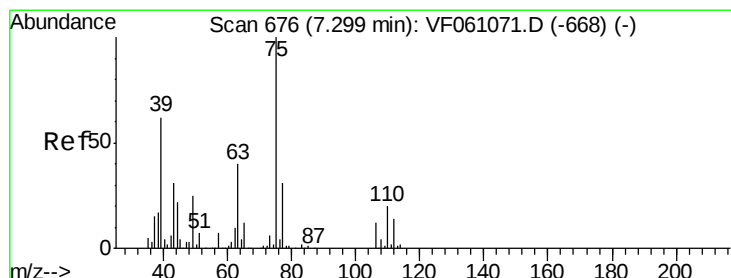
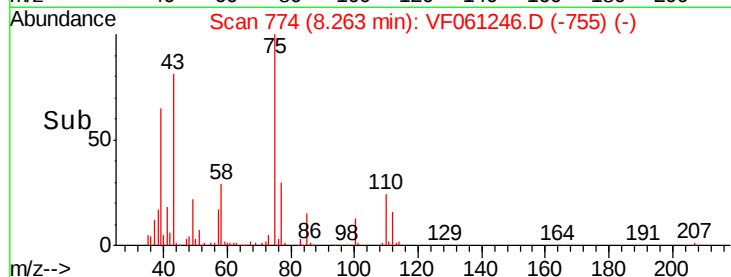
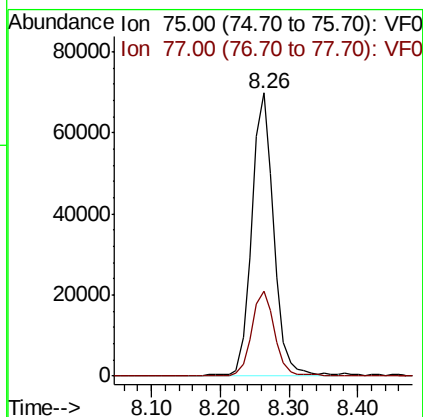
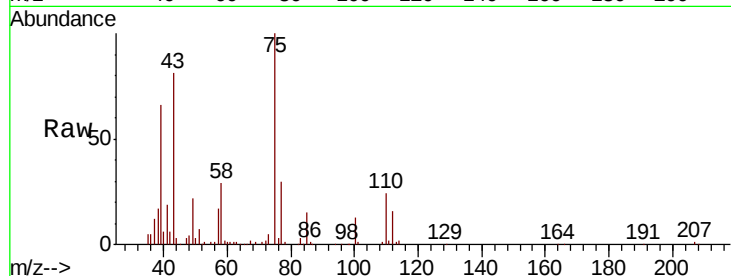
77 30.0 25.8 38.8

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#54

cis-1,3-Dichloropropene

Concen: 54.871 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.01 min

Lab File: VF061246.D

Acq: 2 Jan 2019 11:03

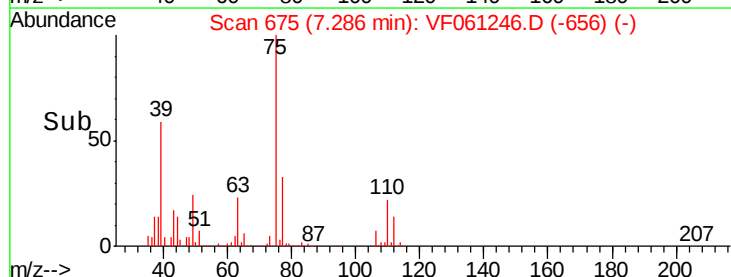
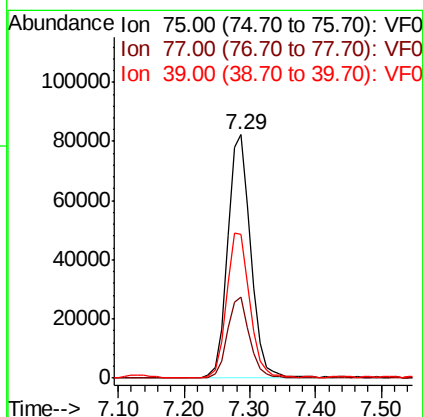
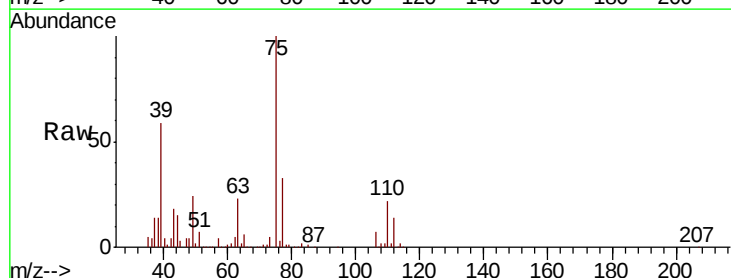
Tgt Ion: 75 Resp: 202746

Ion Ratio Lower Upper

75 100

77 33.3 25.0 37.4

39 59.2 50.1 75.1





#55

1,1,2-Trichloroethane

Concen: 52.784 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.02 min

Lab File: VF061246.D

Acq: 2 Jan 2019 11:03

Instrument :

MSVOA_F

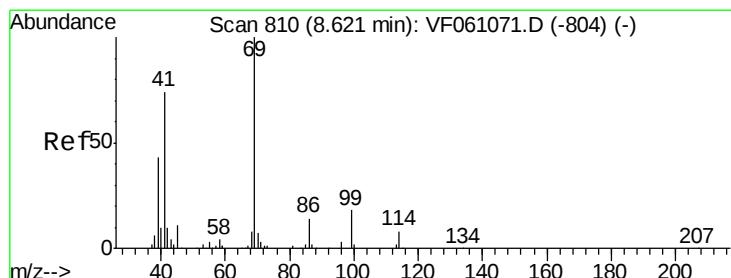
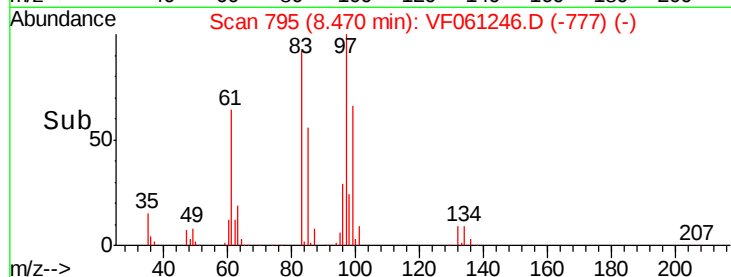
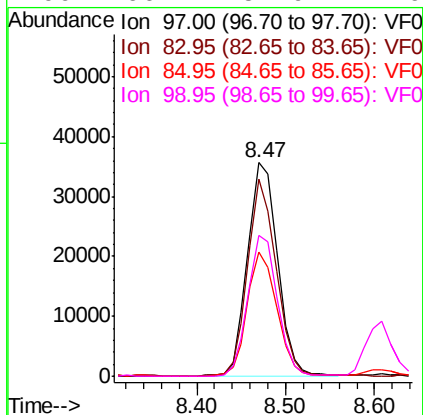
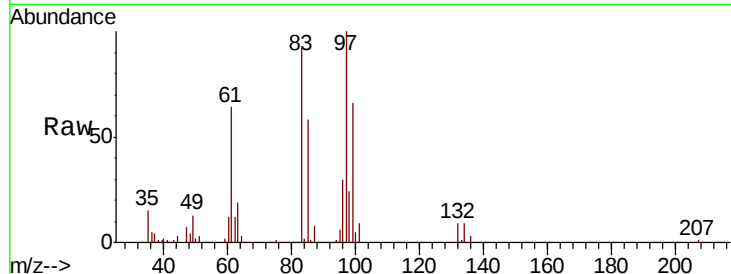
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	83374
Ion	Ratio	Lower	Upper
97	100		
83	92.3	75.0	112.4
85	57.9	47.5	71.3
99	66.2	51.9	77.9

Manual Integrations
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#56

Ethyl methacrylate

Concen: 54.132 ug/l

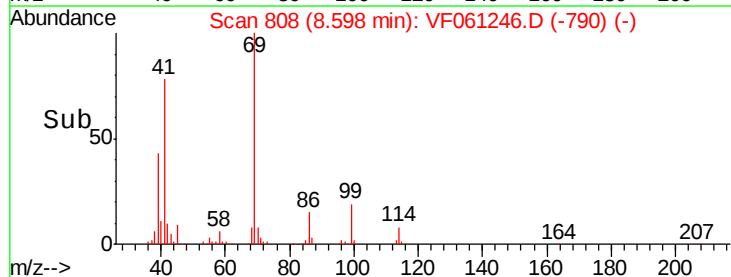
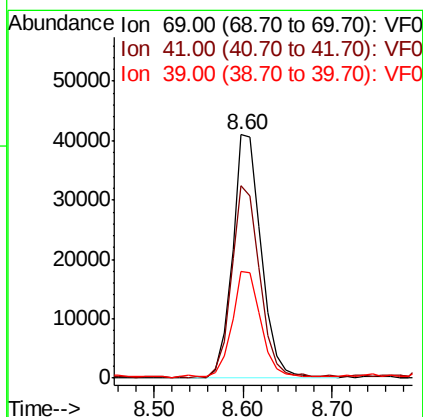
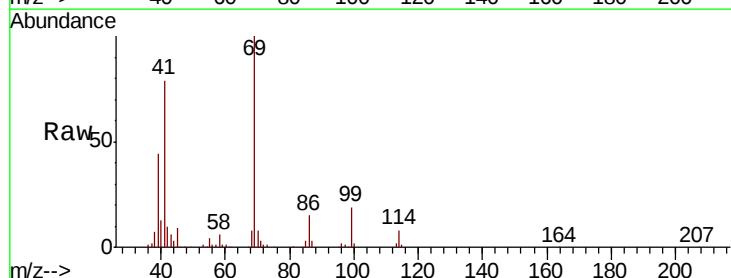
RT: 8.60 min Scan# 808

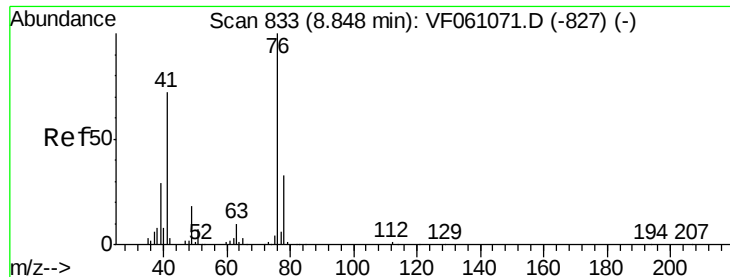
Delta R.T. -0.02 min

Lab File: VF061246.D

Acq: 2 Jan 2019 11:03

Tgt Ion:	69	Resp:	92522
Ion	Ratio	Lower	Upper
69	100		
41	79.1	59.7	89.5
39	43.7	35.0	52.6





#57

1,3-Dichloropropane

Concen: 51.174 ug/l

RT: 8.83 min Scan# 832

Delta R.T. -0.01 min

Lab File: VF061246.D

Acq: 2 Jan 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 146192

Ion Ratio Lower Upper

76 100

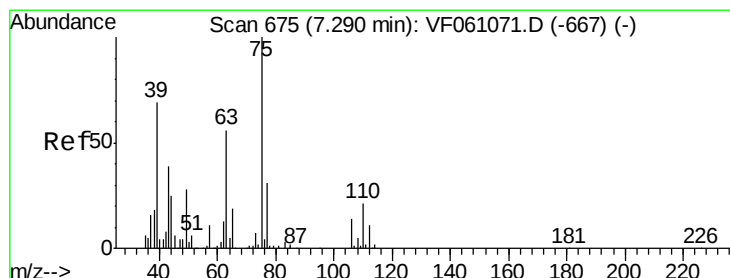
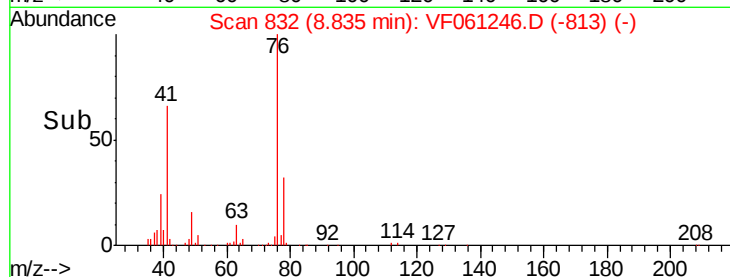
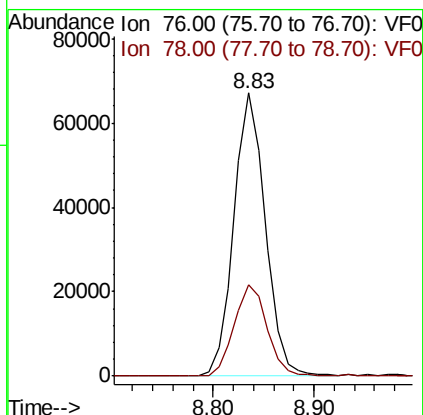
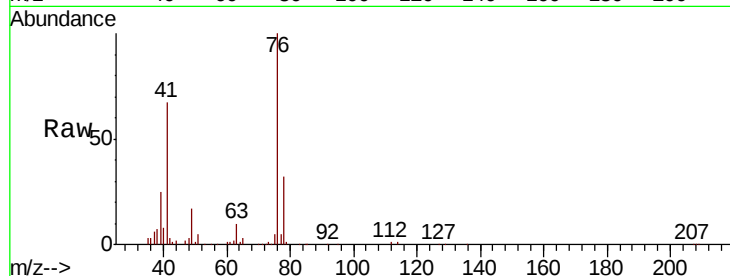
78 32.1 26.5 39.7

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#58

2-Chloroethyl Vinyl ether

Concen: 153.491 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.01 min

Lab File: VF061246.D

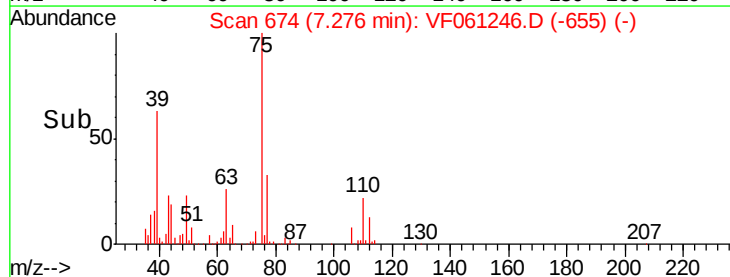
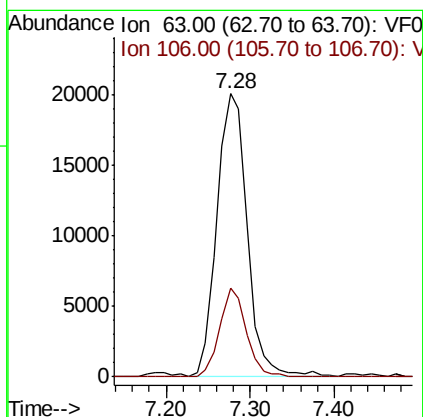
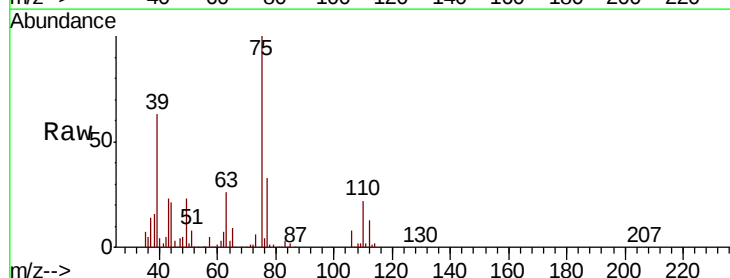
Acq: 2 Jan 2019 11:03

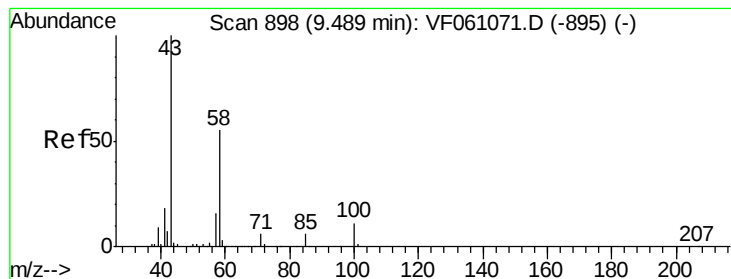
Tgt Ion: 63 Resp: 50385

Ion Ratio Lower Upper

63 100

106 31.5 19.8 29.8#





#59

2-Hexanone

Concen: 287.087 ug/l

RT: 9.48 min Scan# 897

Delta R.T. -0.01 min

Lab File: VF061246.D

Acq: 2 Jan 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 254470

Ion Ratio Lower Upper

43 100

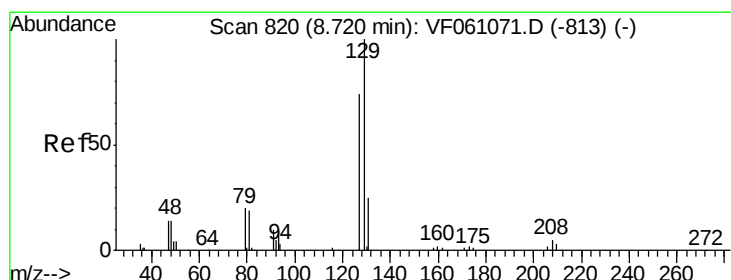
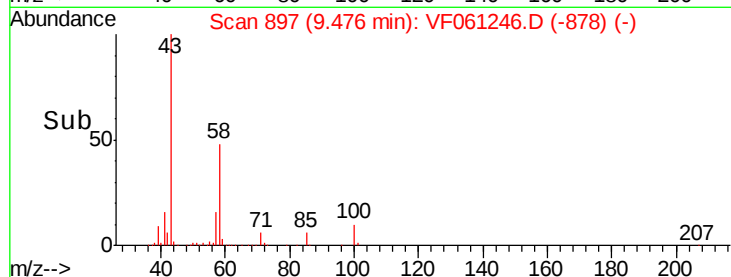
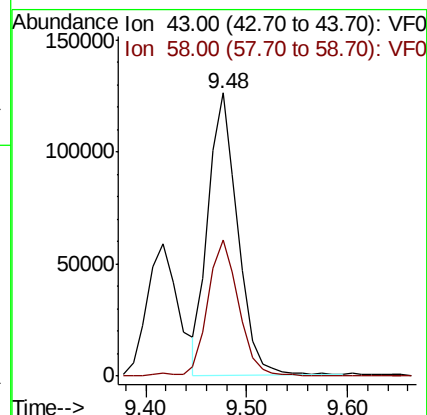
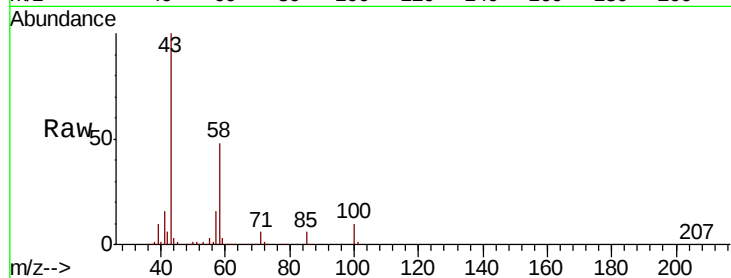
58 48.0 25.1 75.2

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#60

Dibromochloromethane

Concen: 54.185 ug/l

RT: 8.70 min Scan# 818

Delta R.T. -0.02 min

Lab File: VF061246.D

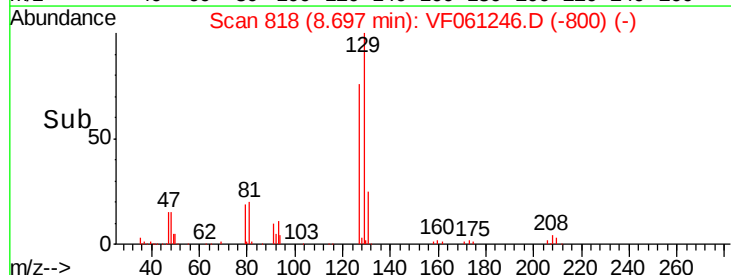
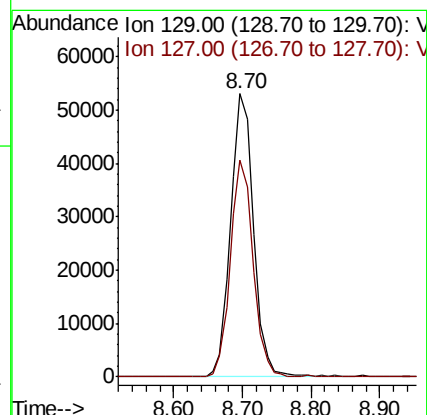
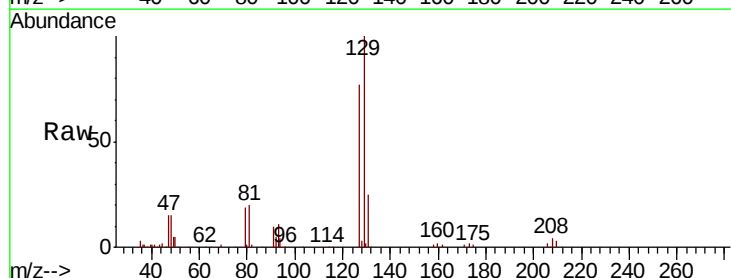
Acq: 2 Jan 2019 11:03

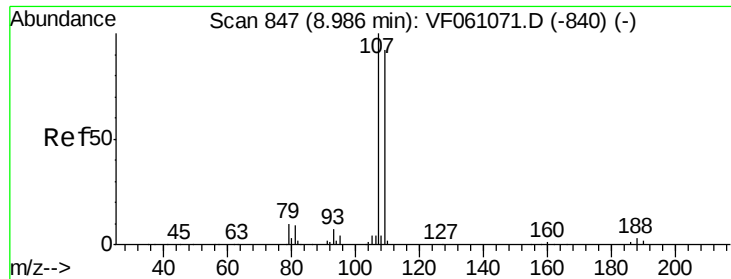
Tgt Ion: 129 Resp: 122687

Ion Ratio Lower Upper

129 100

127 76.7 36.8 110.3





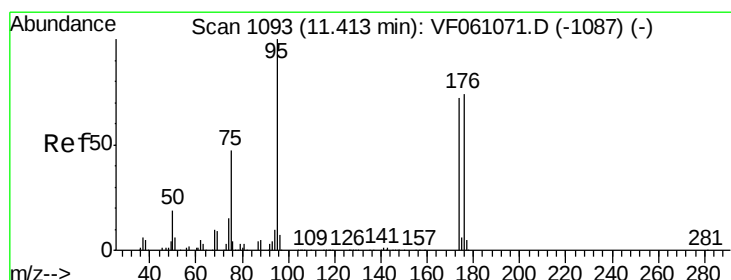
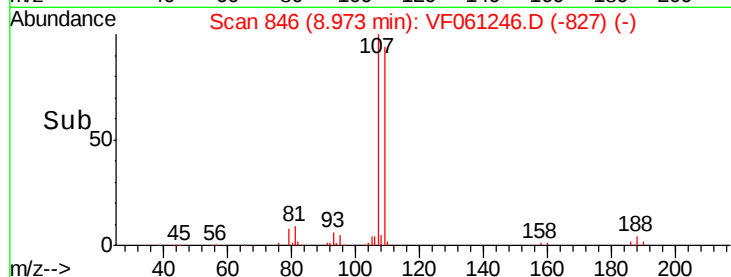
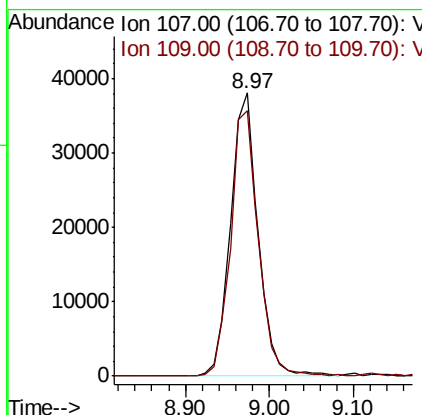
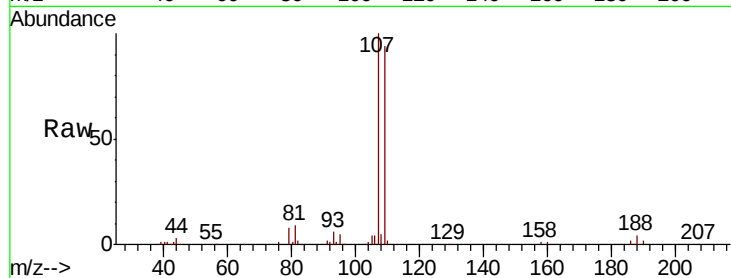
#61
1,2-Dibromoethane
Concen: 51.274 ug/l
RT: 8.97 min Scan# 846
Delta R.T. -0.01 min
Lab File: VF061246.D
Acq: 2 Jan 2019 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:107 Resp: 86495
Ion Ratio Lower Upper
107 100
109 93.9 73.7 110.5

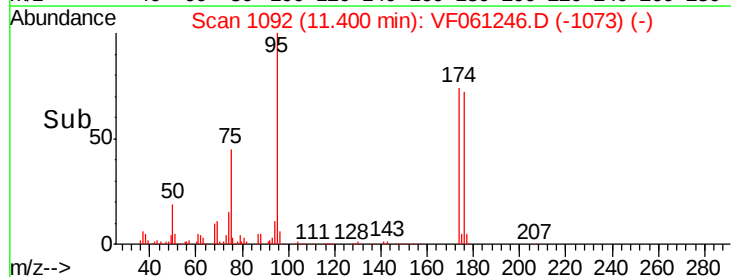
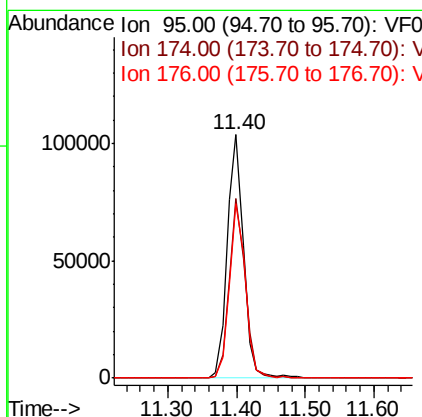
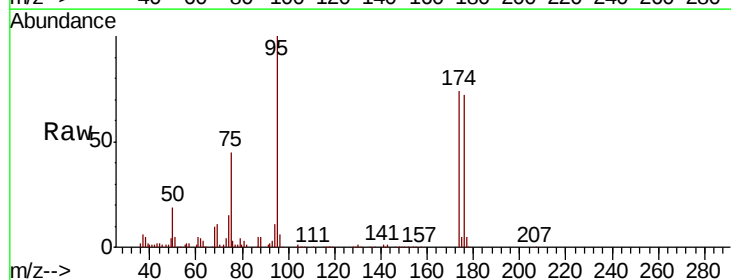
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#62
4-Bromofluorobenzene
Concen: 52.987 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VF061246.D
Acq: 2 Jan 2019 11:03

Tgt Ion: 95 Resp: 170039
Ion Ratio Lower Upper
95 100
174 73.5 0.0 143.8
176 71.8 0.0 147.6





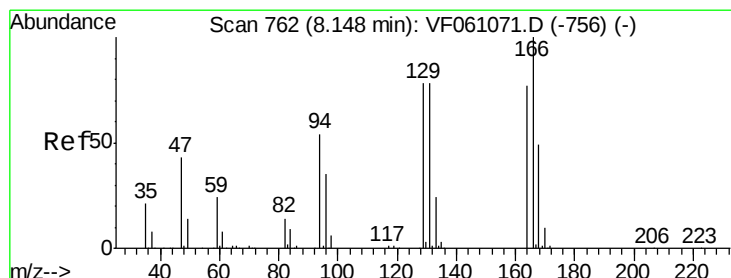
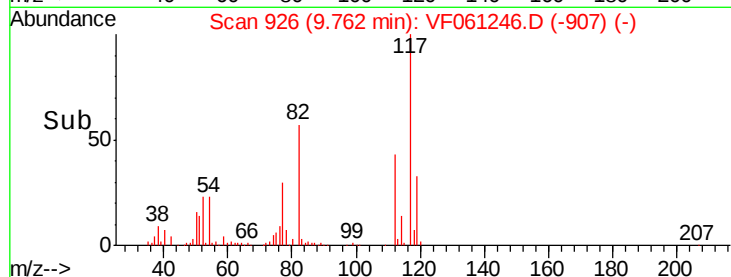
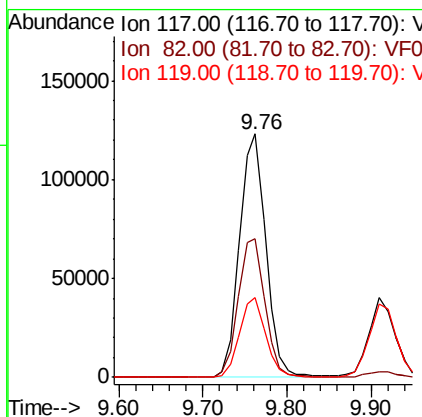
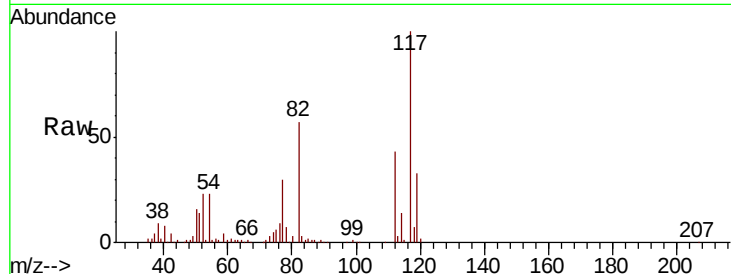
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.01 min
Lab File: VF061246.D
Acq: 2 Jan 2019 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	269997		
82	57.1		45.0	67.4
119	32.8		24.8	37.2

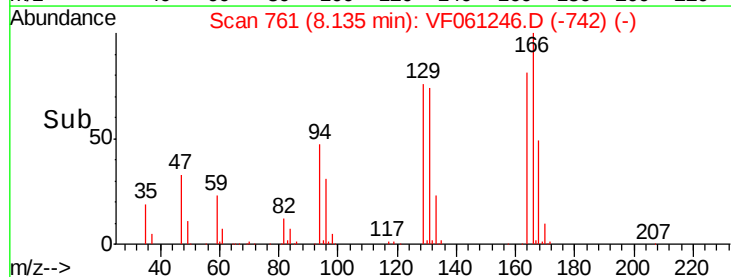
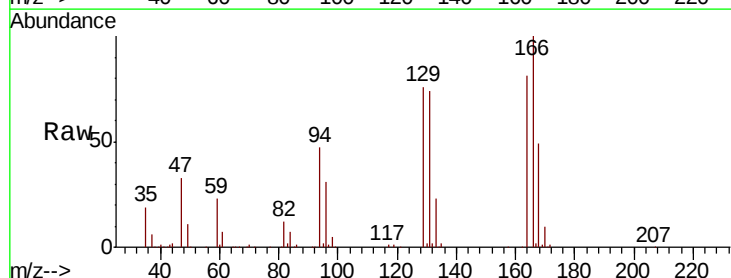
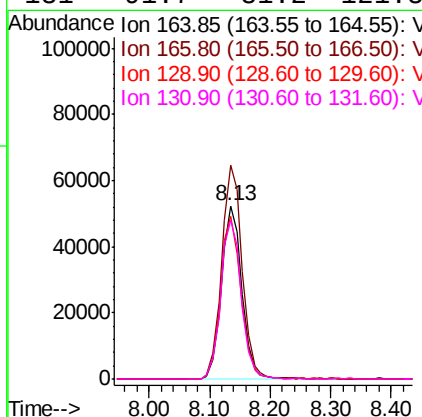
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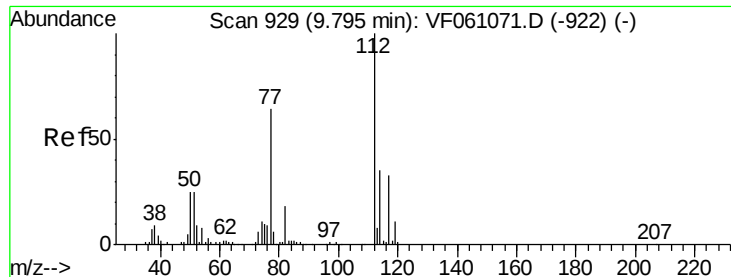
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1/3/2019 3:08:10 PM



#64
Tetrachloroethene
Concen: 58.626 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.01 min
Lab File: VF061246.D
Acq: 2 Jan 2019 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	121765		
166	123.3		104.0	156.0
129	94.0		81.1	121.7
131	91.7		81.2	121.8





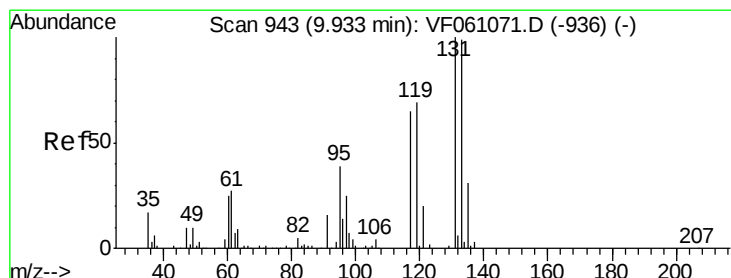
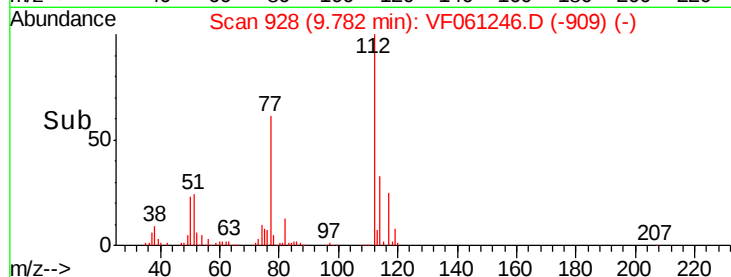
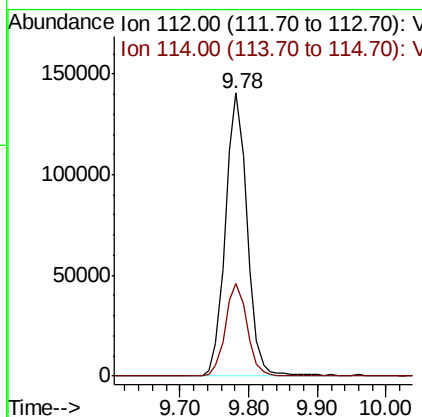
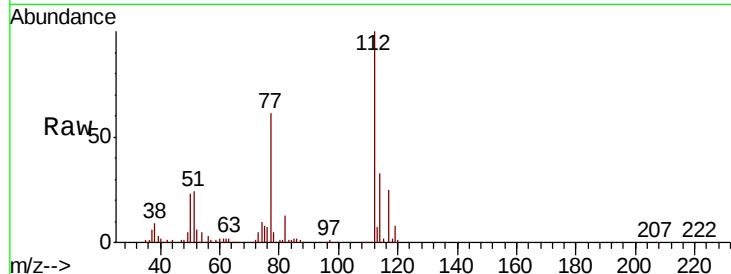
#65
Chlorobenzene
Concen: 55.079 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF061246.D
Acq: 2 Jan 2019 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 307215
Ion Ratio Lower Upper
112 100
114 32.8 27.8 41.6

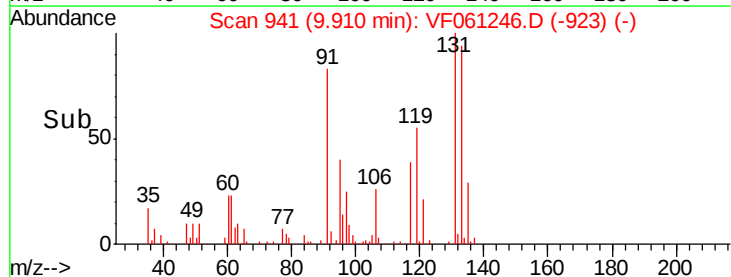
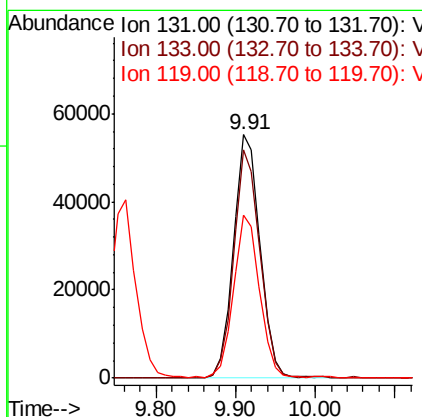
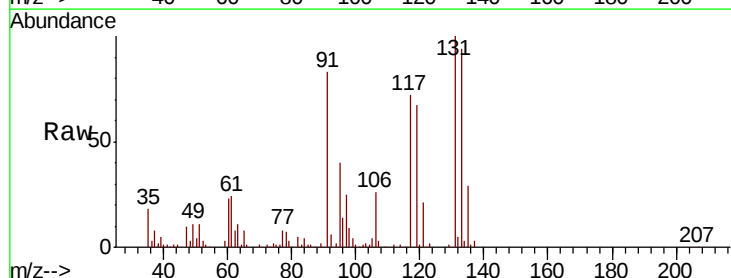
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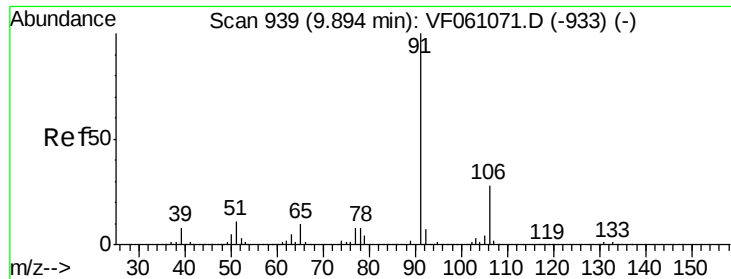
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.225 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.02 min
Lab File: VF061246.D
Acq: 2 Jan 2019 11:03

Tgt Ion:131 Resp: 128159
Ion Ratio Lower Upper
131 100
133 93.6 49.5 148.7
119 67.1 34.5 103.5





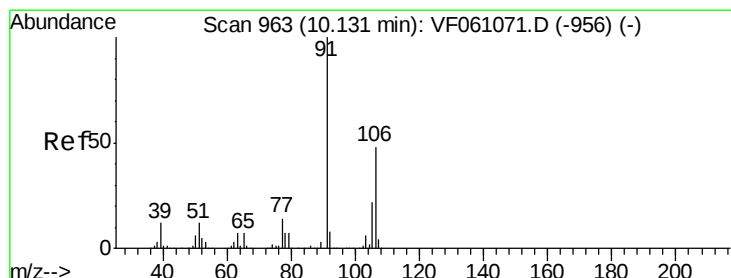
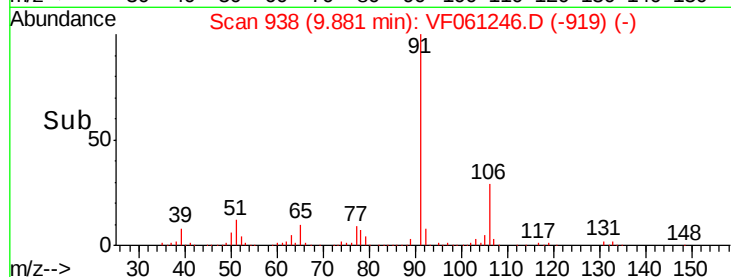
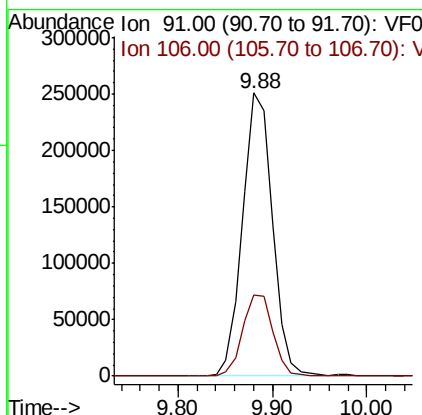
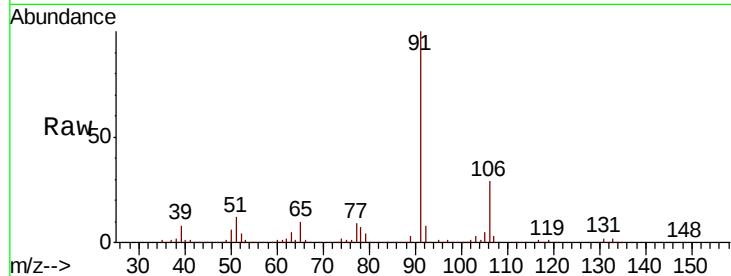
#67
Ethyl Benzene
Concen: 54.363 ug/l
RT: 9.88 min Scan# 938
Delta R.T. -0.01 min
Lab File: VF061246.D
Acq: 2 Jan 2019 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 552415
Ion Ratio Lower Upper
91 100
106 28.7 22.5 33.7

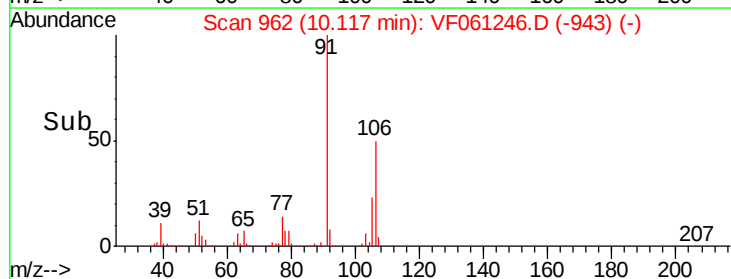
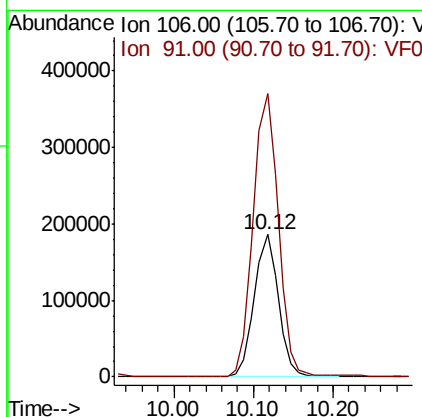
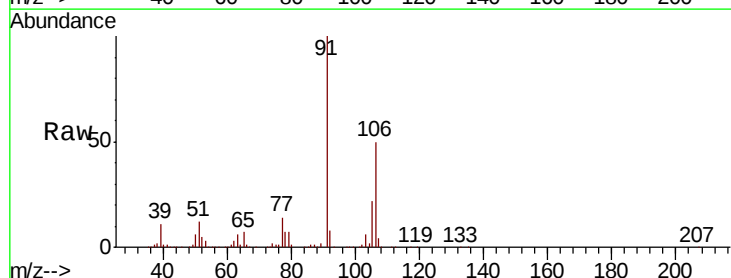
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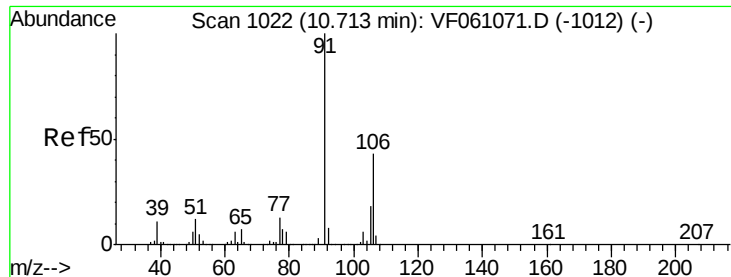
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#68
m/p-Xylenes
Concen: 108.729 ug/l
RT: 10.12 min Scan# 962
Delta R.T. -0.01 min
Lab File: VF061246.D
Acq: 2 Jan 2019 11:03

Tgt Ion: 106 Resp: 388829
Ion Ratio Lower Upper
106 100
91 199.2 168.2 252.2





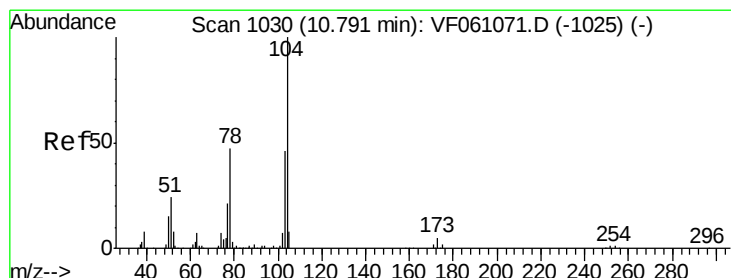
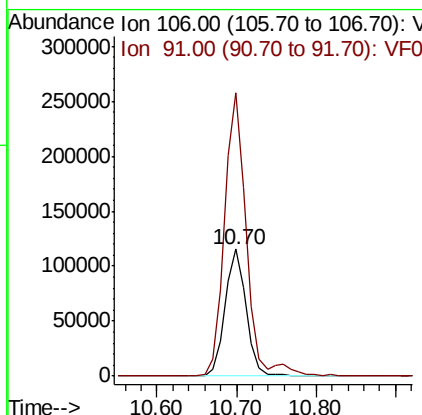
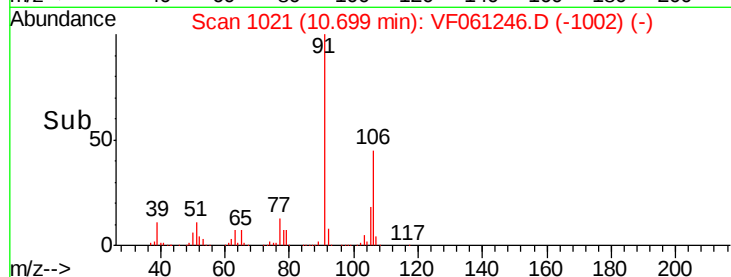
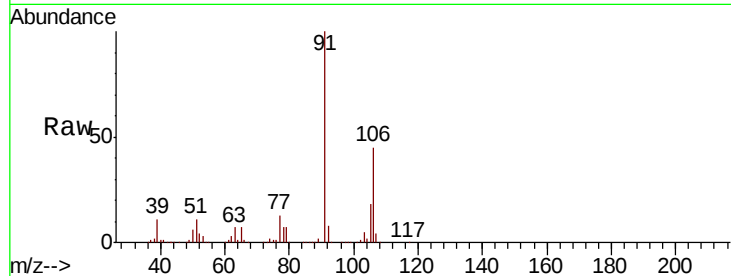
#69
o-Xylene
Concen: 54.464 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.01 min
Lab File: VF061246.D
Acq: 2 Jan 2019 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		216012		
91	223.4	115.9	347.7		

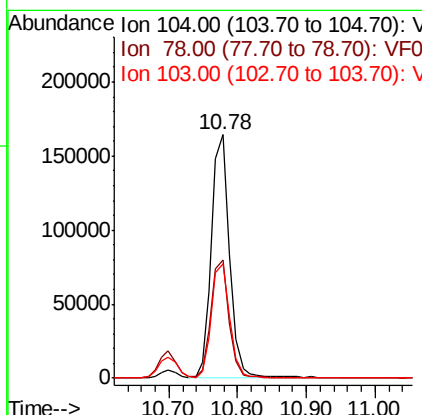
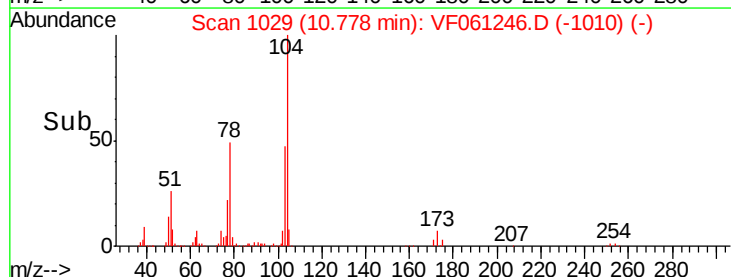
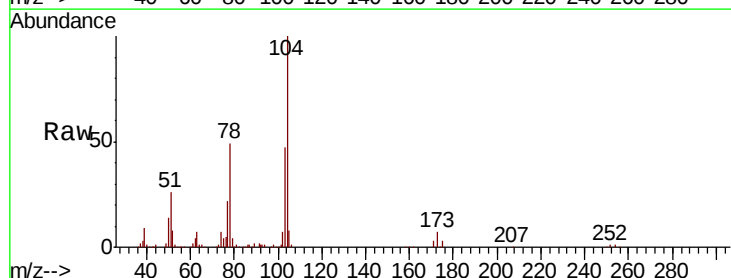
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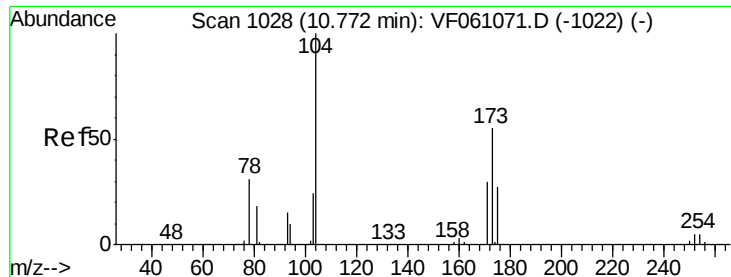
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#70
Styrene
Concen: 63.556 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VF061246.D
Acq: 2 Jan 2019 11:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		300764		
78	48.5	38.4	57.6		
103	47.0	37.0	55.6		





#71

Bromoform

Concen: 59.241 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.01 min

Lab File: VF061246.D

Acq: 2 Jan 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 62473

Ion Ratio Lower Upper

173 100

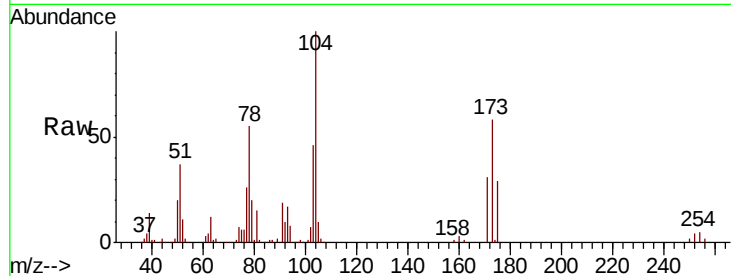
175 50.6 24.8 74.4

254 8.3 0.0 0.0#

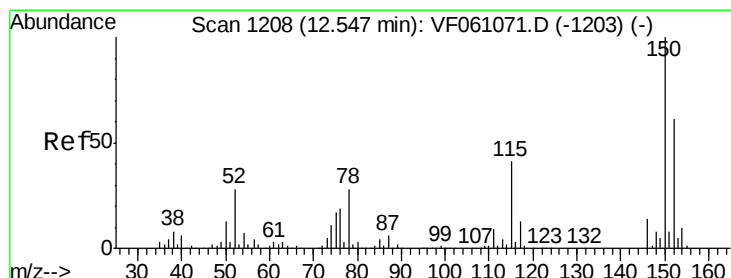
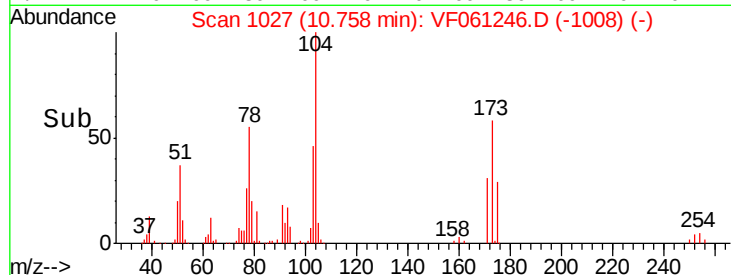
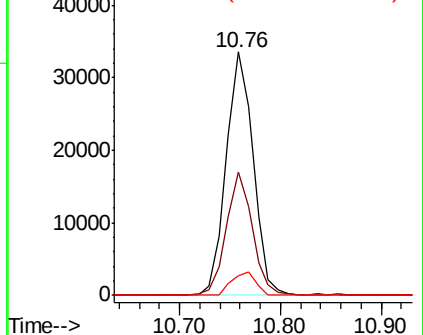
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Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061246.D

Acq: 2 Jan 2019 11:03

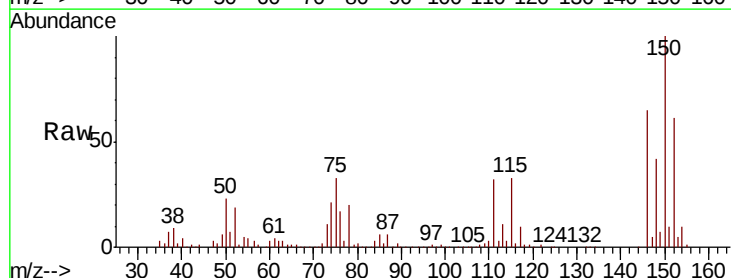
Tgt Ion:152 Resp: 135727

Ion Ratio Lower Upper

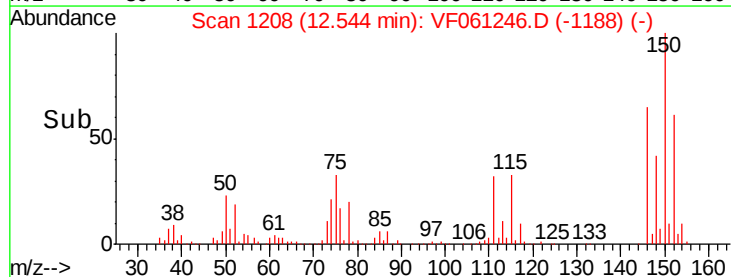
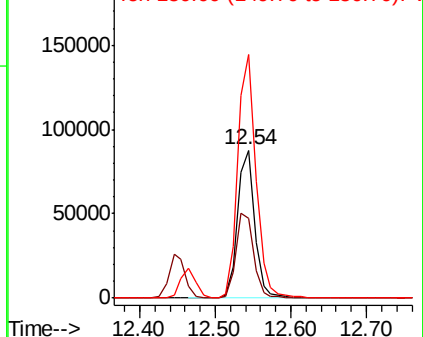
152 100

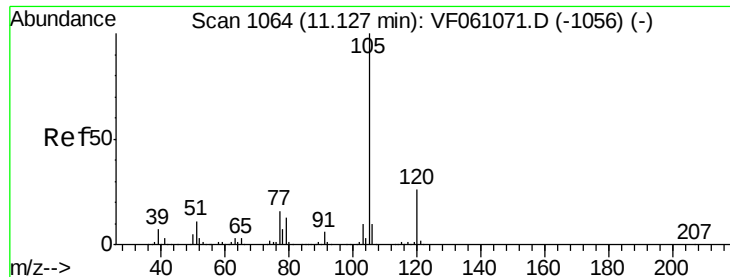
115 54.0 33.3 99.9

150 164.2 0.0 328.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 54.802 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.01 min

Lab File: VF061246.D

Acq: 2 Jan 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 640985

Ion Ratio Lower Upper

105 100

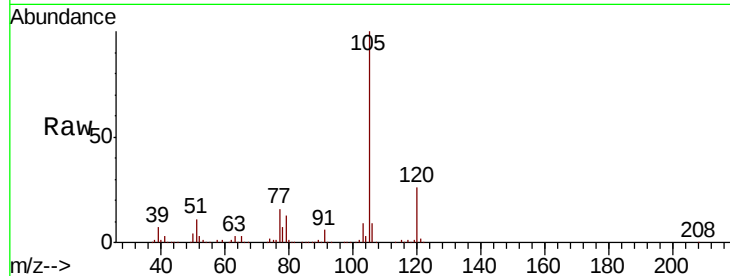
120 26.0 13.0 39.0

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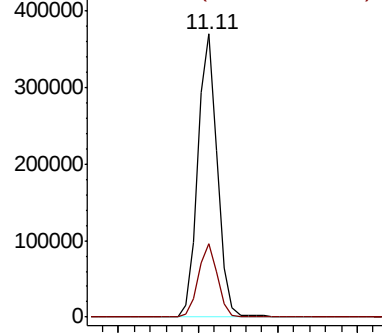
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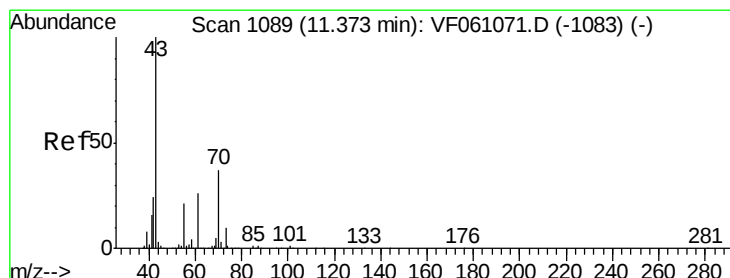
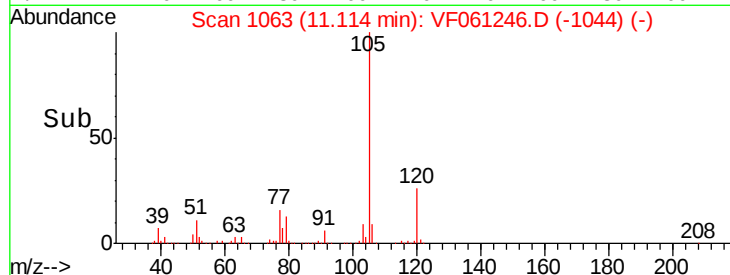


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 60.962 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VF061246.D

Acq: 2 Jan 2019 11:03

Tgt Ion: 43 Resp: 158305

Ion Ratio Lower Upper

43 100

70 36.2 29.2 43.8

55 19.4 16.5 24.7

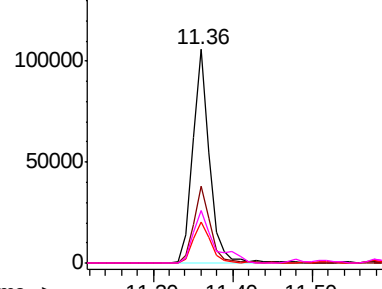
61 24.6 20.7 31.1

Abundance Ion 43.00 (42.70 to 43.70): VF0

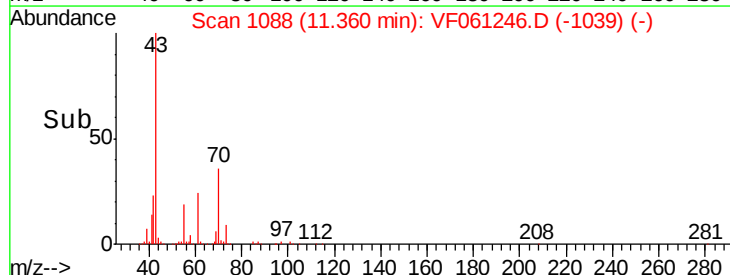
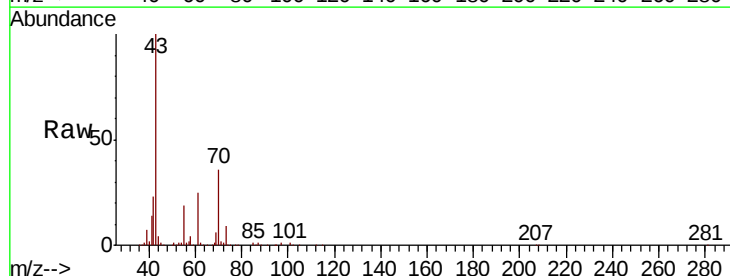
Ion 70.00 (69.70 to 70.70): VF0

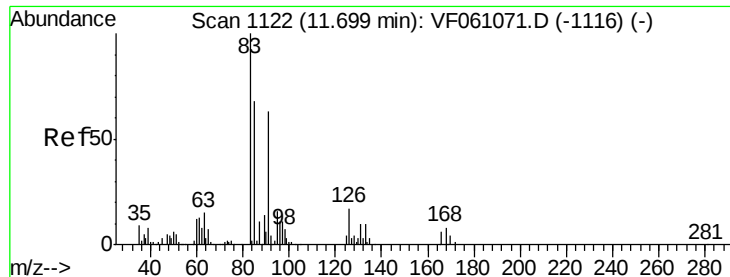
Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 56.941 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF061246.D

Acq: 2 Jan 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 110534
Ion Ratio Lower Upper

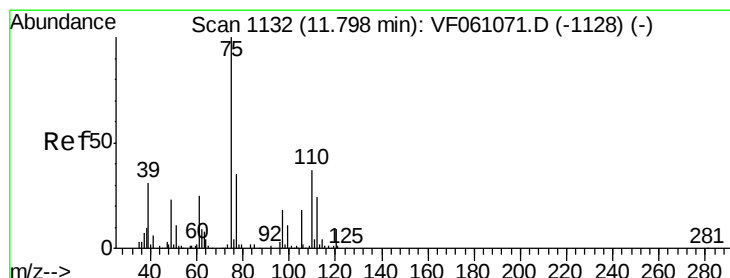
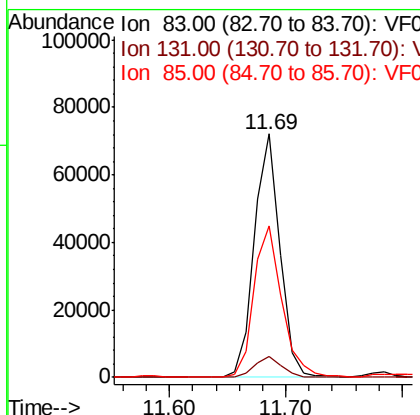
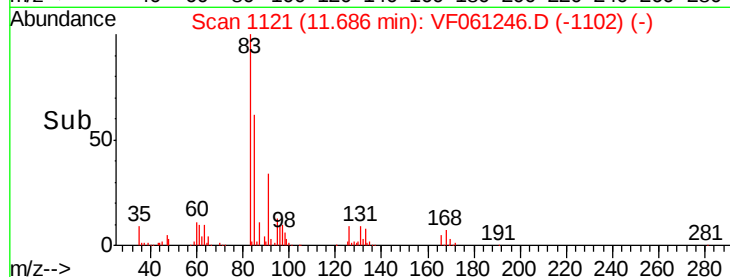
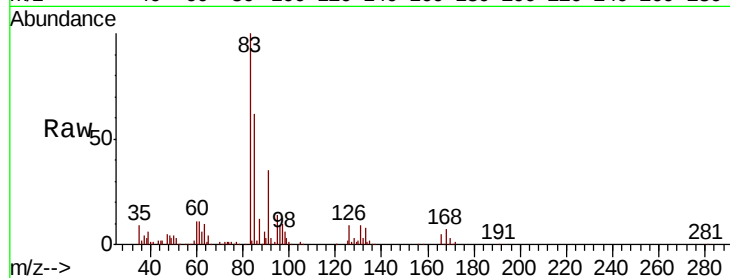
83 100

131 8.8 4.8 14.3

85 62.1 33.9 101.6

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#76

1,2,3-Trichloropropane

Concen: 53.215 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.01 min

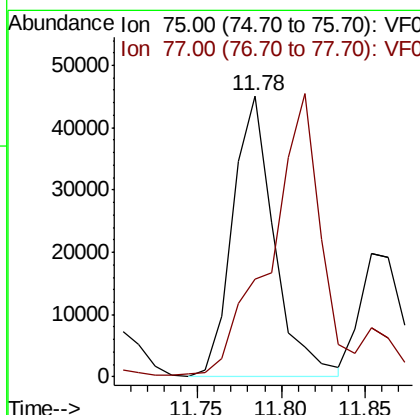
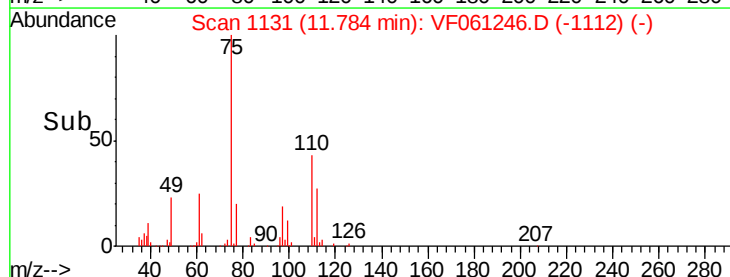
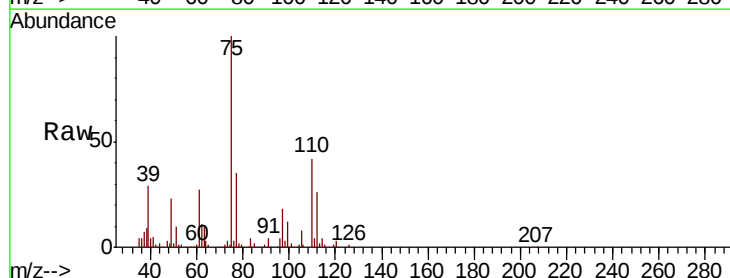
Lab File: VF061246.D

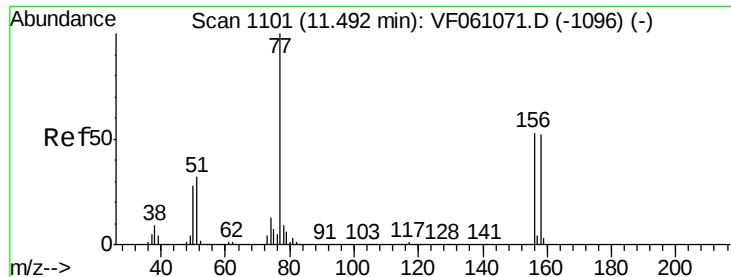
Acq: 2 Jan 2019 11:03

Tgt Ion: 75 Resp: 76876
Ion Ratio Lower Upper

75 100

77 34.7 17.6 52.9





#77

Bromobenzene

Concen: 54.994 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.01 min

Lab File: VF061246.D

Acq: 2 Jan 2019 11:03

Instrument :

MSVOA_F

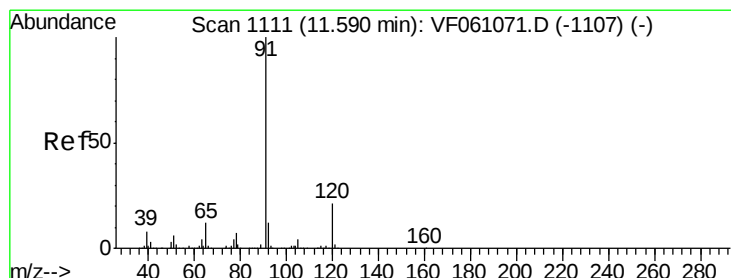
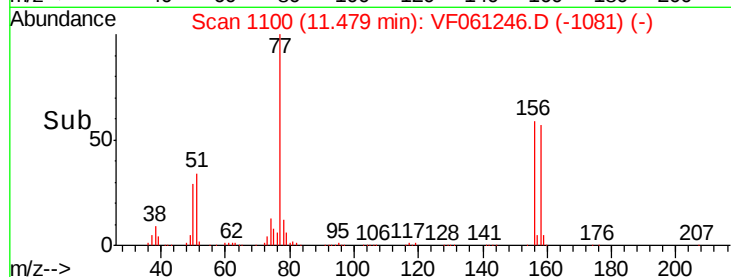
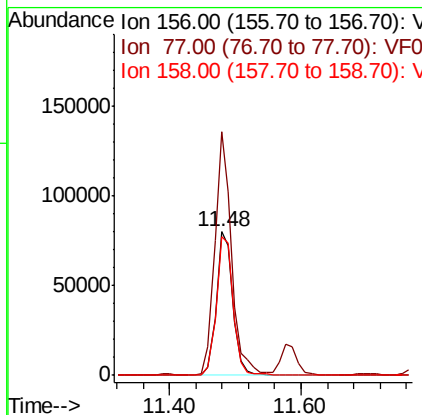
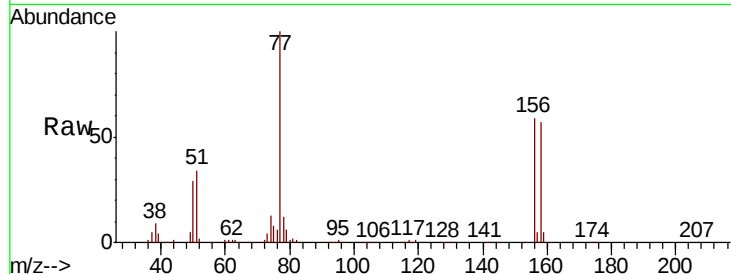
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	170.0	93.8	281.4		
158	97.2	48.9	146.8		

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#78

n-propylbenzene

Concen: 54.095 ug/l

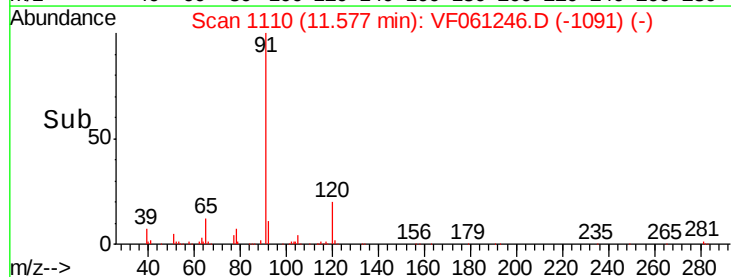
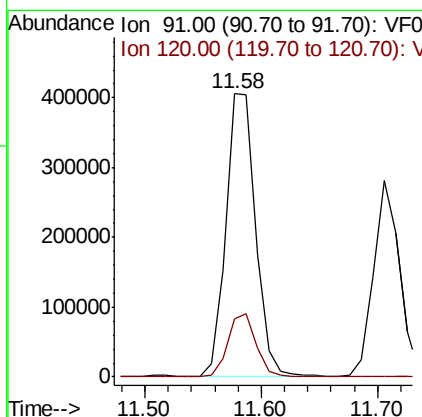
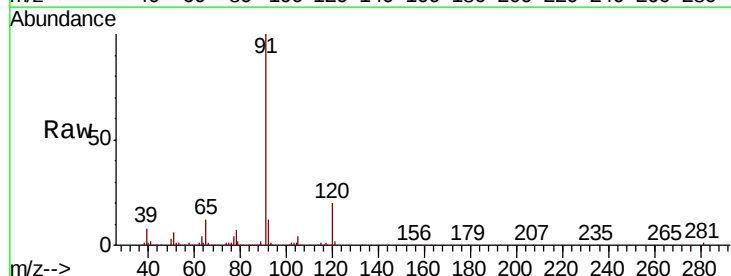
RT: 11.58 min Scan# 1110

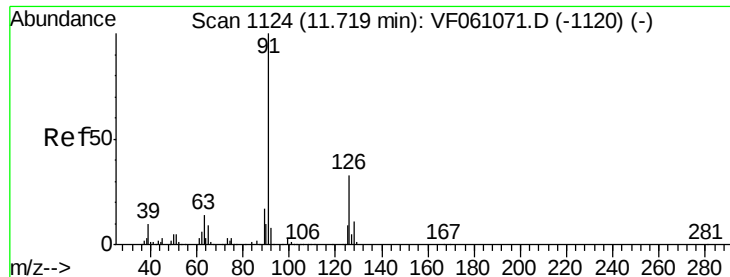
Delta R.T. -0.01 min

Lab File: VF061246.D

Acq: 2 Jan 2019 11:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	20.4	10.4	31.2		





#79

2-Chlorotoluene

Concen: 54.072 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. -0.01 min

Lab File: VF061246.D

Acq: 2 Jan 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 433853

Ion Ratio Lower Upper

91 100

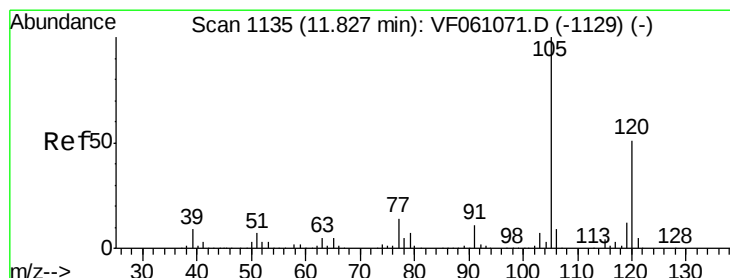
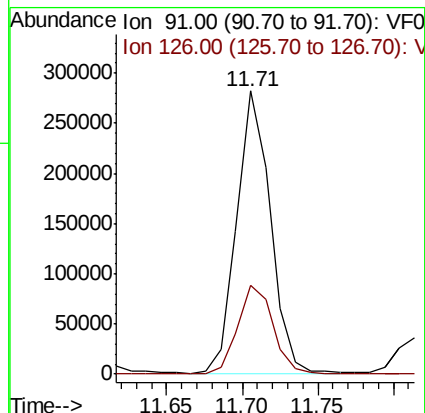
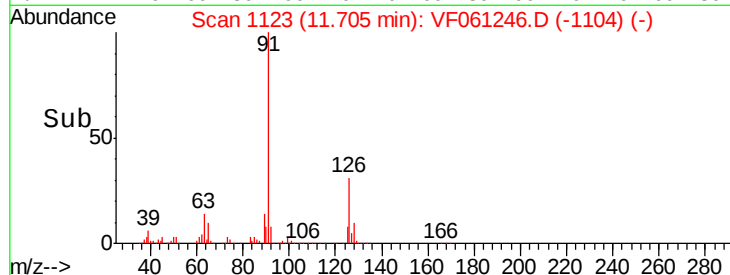
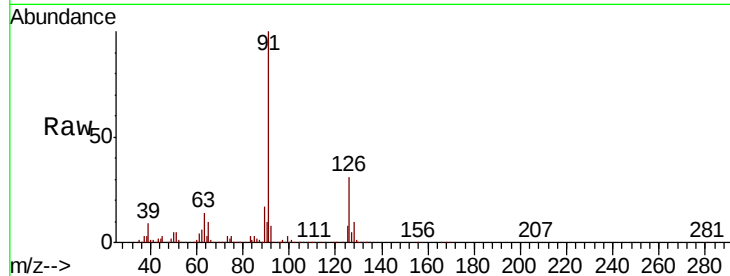
126 31.3 16.4 49.1

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#80

1,3,5-Trimethylbenzene

Concen: 52.957 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF061246.D

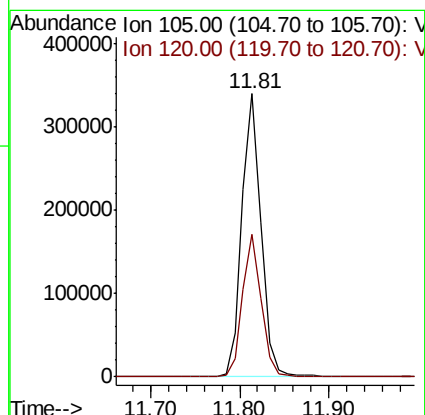
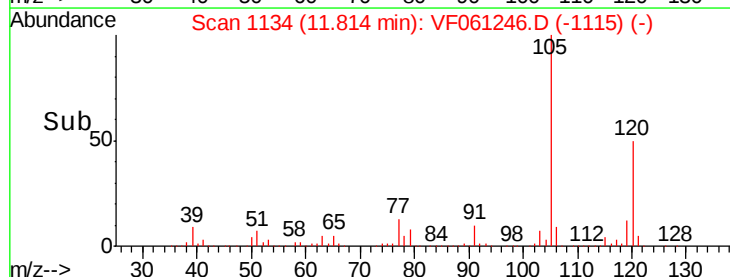
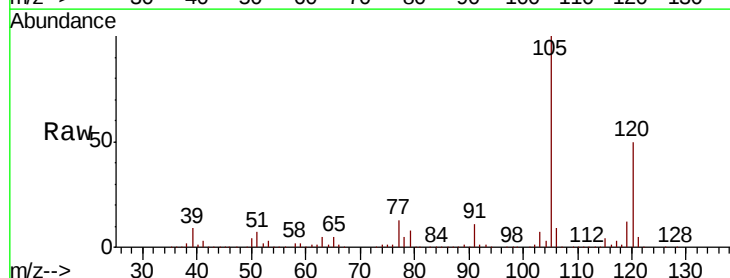
Acq: 2 Jan 2019 11:03

Tgt Ion: 105 Resp: 510033

Ion Ratio Lower Upper

105 100

120 50.3 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 52.281 ug/l m

RT: 11.85 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VF061246.D

Acq: 2 Jan 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 32455

Ion Ratio Lower Upper

75 100

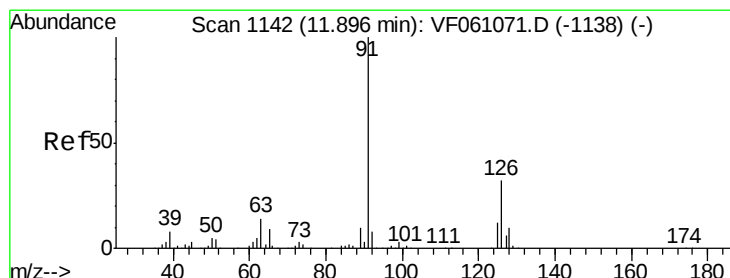
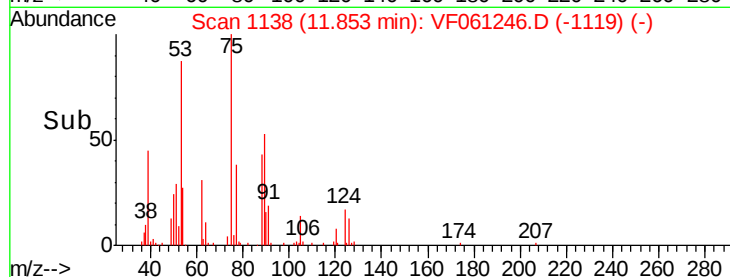
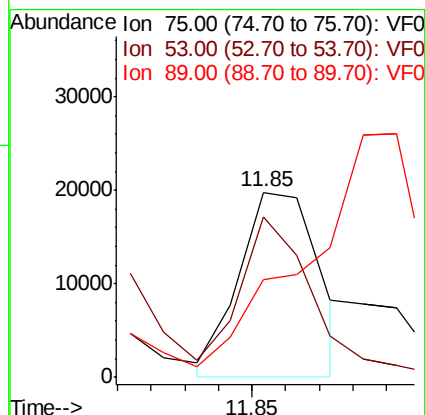
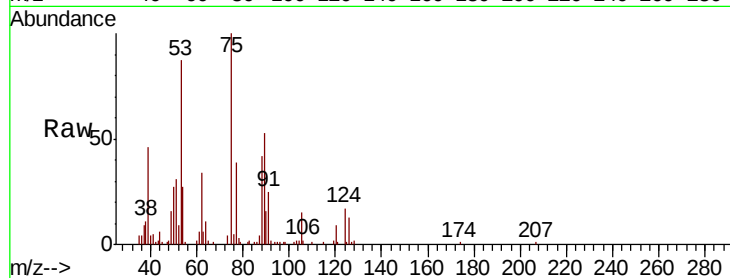
53 86.8 74.1 111.1

89 52.9 42.6 64.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.477 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF061246.D

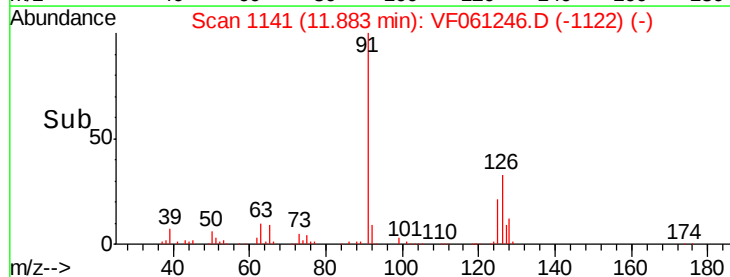
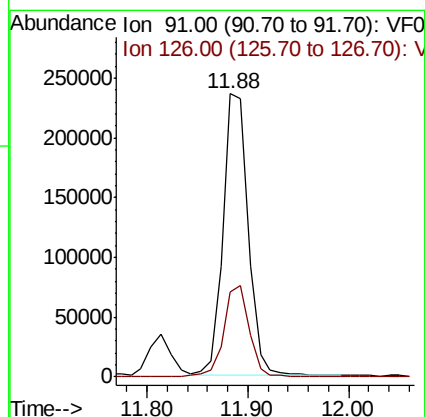
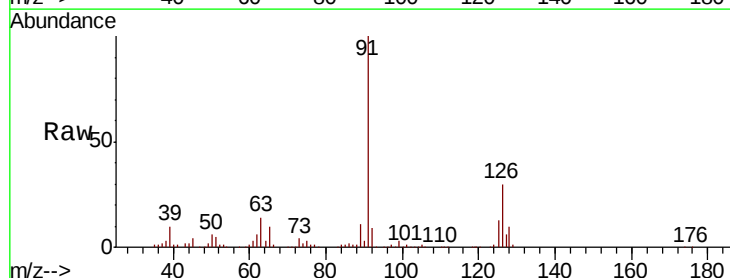
Acq: 2 Jan 2019 11:03

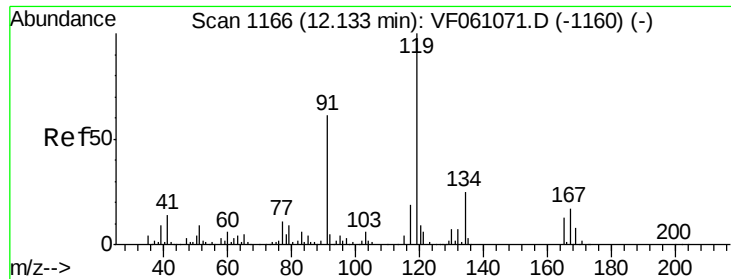
Tgt Ion: 91 Resp: 410674

Ion Ratio Lower Upper

91 100

126 29.9 16.0 47.9





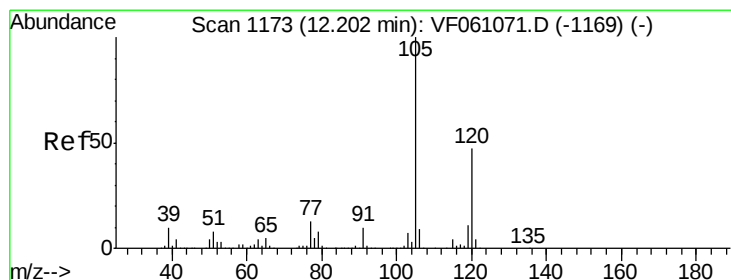
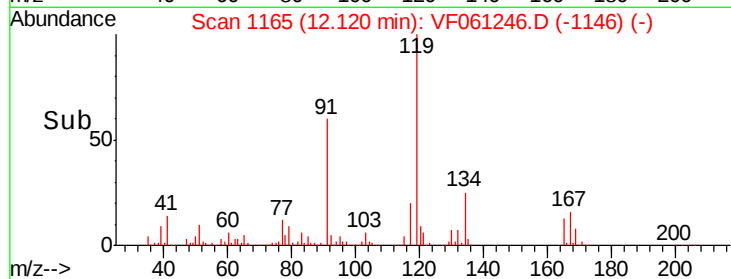
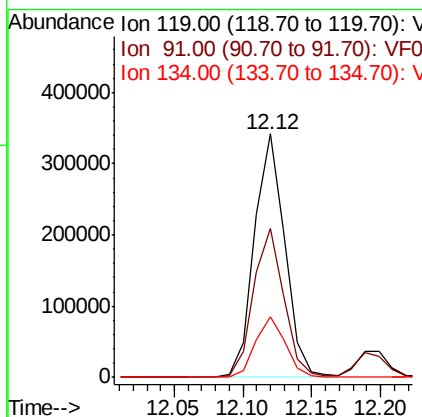
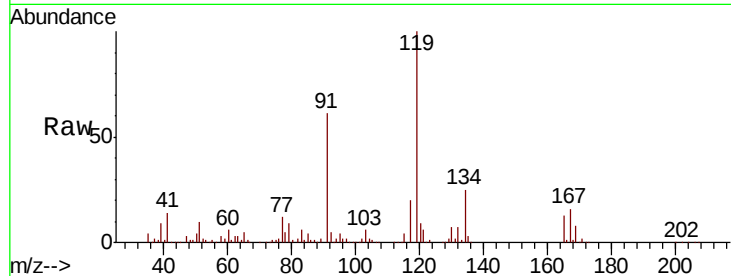
#83
tert-Butylbenzene
Concen: 53.620 ug/l
RT: 12.12 min Scan# 1165
Delta R.T. -0.01 min
Lab File: VF061246.D
Acq: 2 Jan 2019 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	531408		
91	61.1		30.5	91.5
134	25.0		12.4	37.4

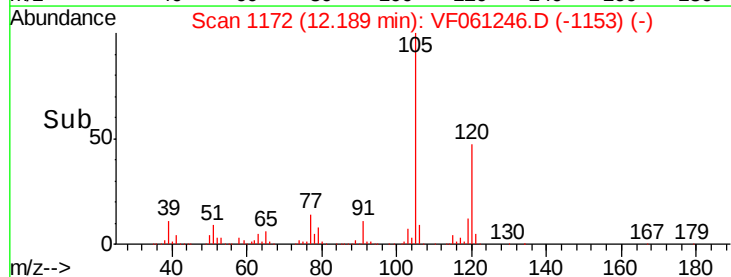
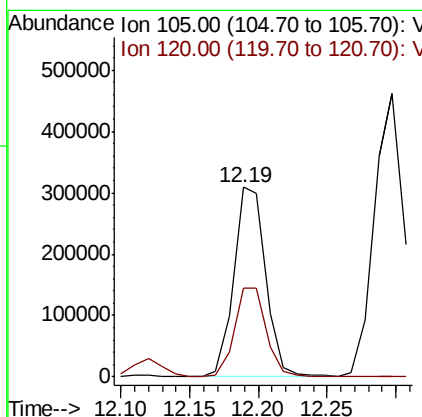
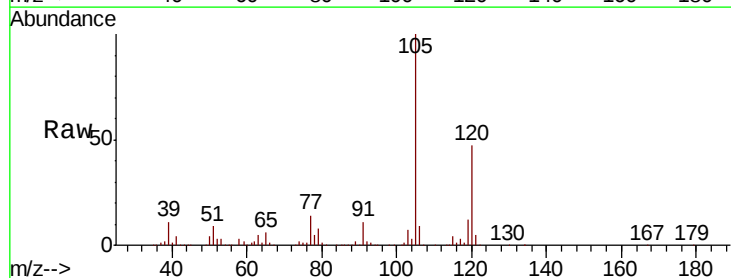
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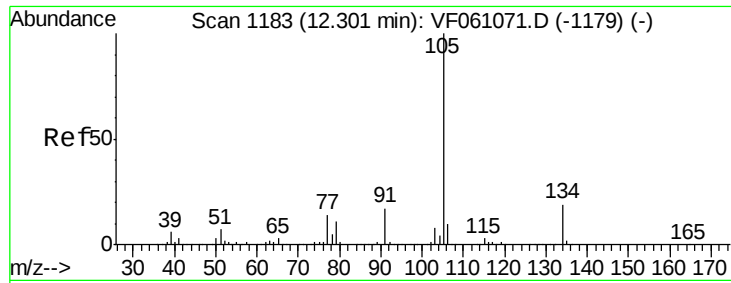
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#84
1,2,4-Trimethylbenzene
Concen: 52.009 ug/l
RT: 12.19 min Scan# 1172
Delta R.T. -0.01 min
Lab File: VF061246.D
Acq: 2 Jan 2019 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	499509		
120	46.9		23.6	71.0





#85

sec-Butylbenzene

Concen: 54.506 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VF061246.D

Acq: 2 Jan 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 704940

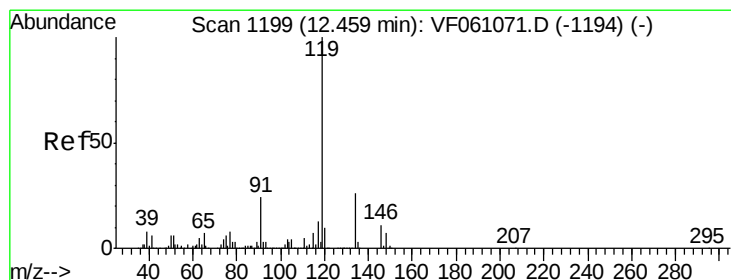
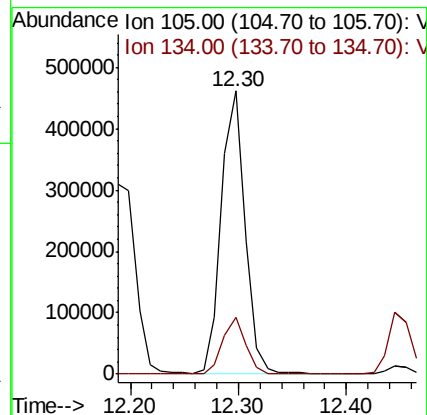
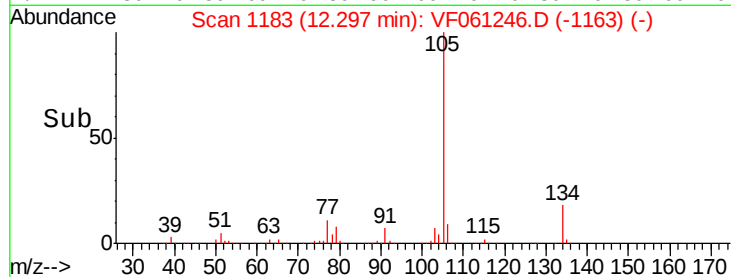
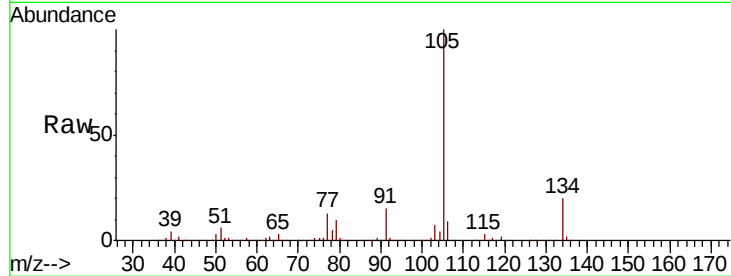
Ion Ratio Lower Upper

105 100

134 20.0 9.4 28.2

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#86

p-Isopropyltoluene

Concen: 54.152 ug/l

RT: 12.45 min Scan# 1198

Delta R.T. -0.01 min

Lab File: VF061246.D

Acq: 2 Jan 2019 11:03

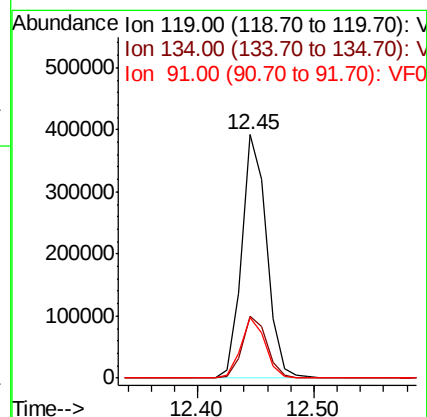
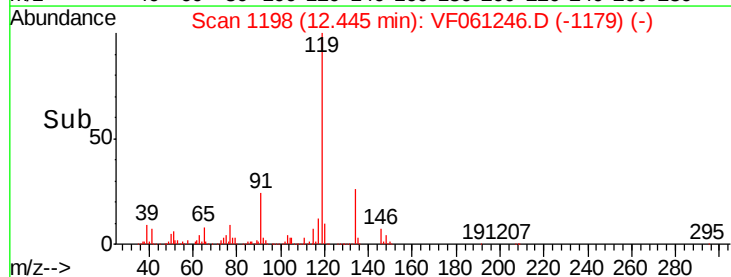
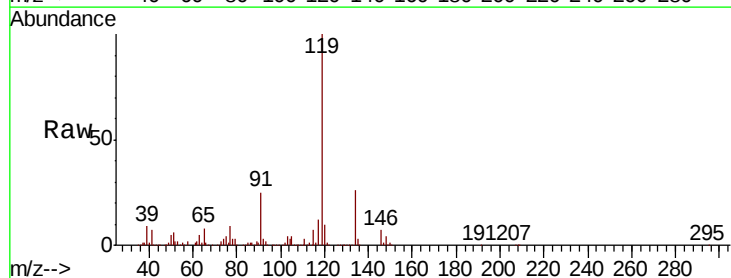
Tgt Ion:119 Resp: 581344

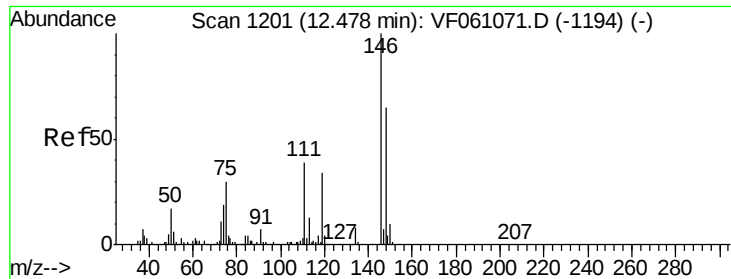
Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.4

91 24.7 12.2 36.6





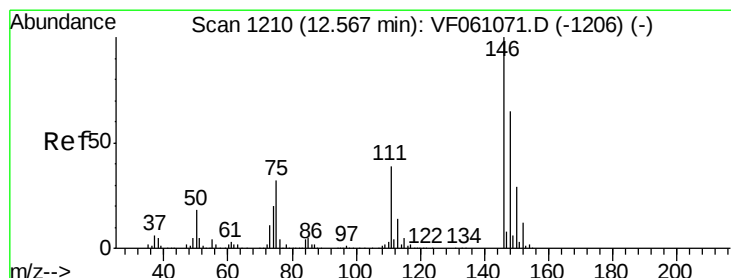
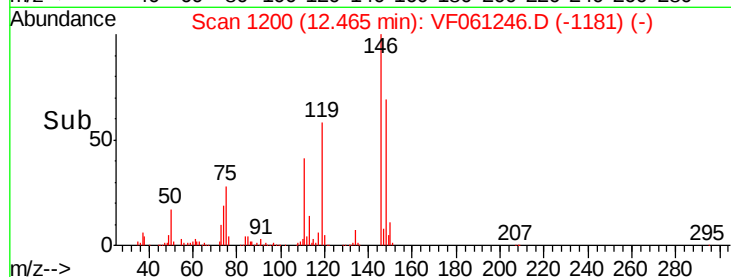
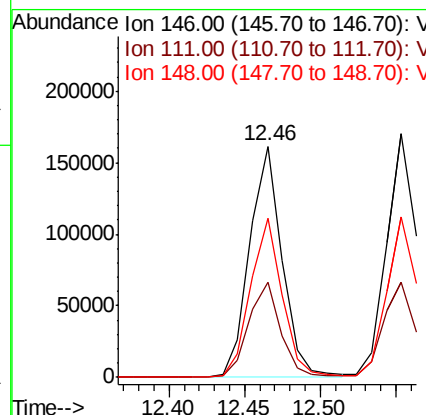
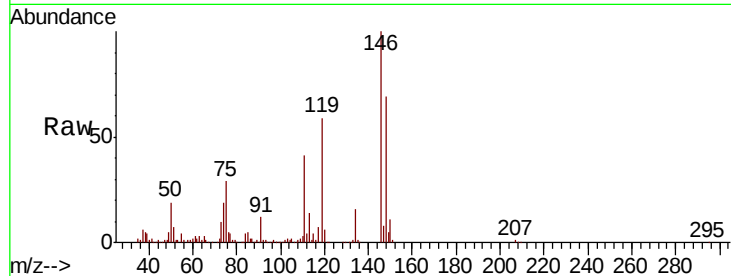
#87
 1,3-Dichlorobenzene
 Concen: 60.034 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF061246.D
 Acq: 2 Jan 2019 11:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.3	57.9
148	68.8	32.4	97.2

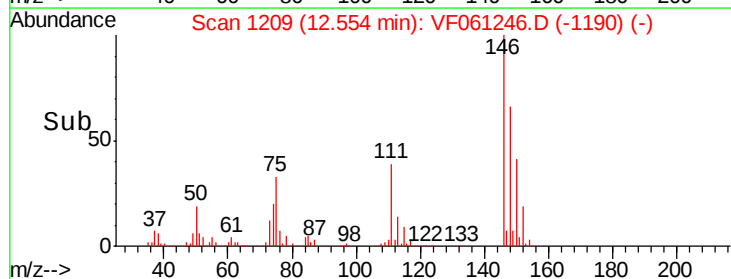
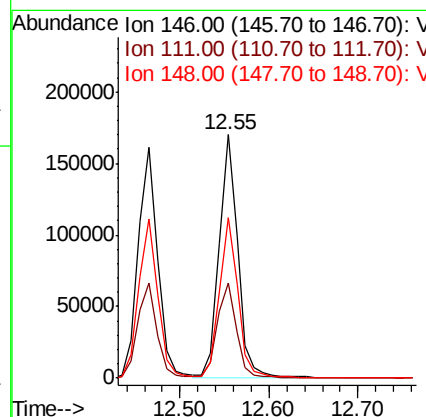
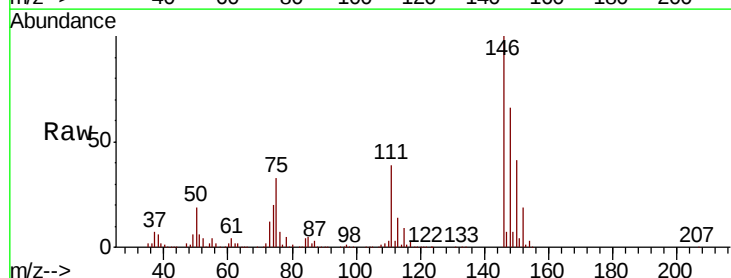
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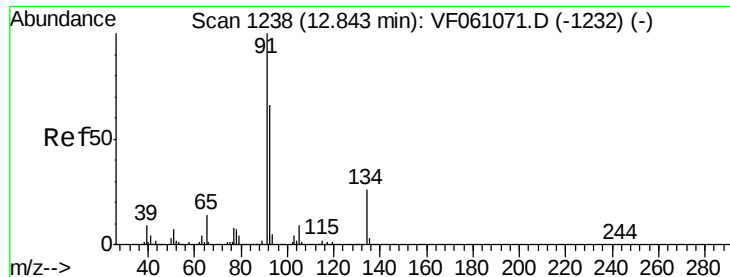
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#88
 1,4-Dichlorobenzene
 Concen: 53.497 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF061246.D
 Acq: 2 Jan 2019 11:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.4
148	65.9	32.4	97.0





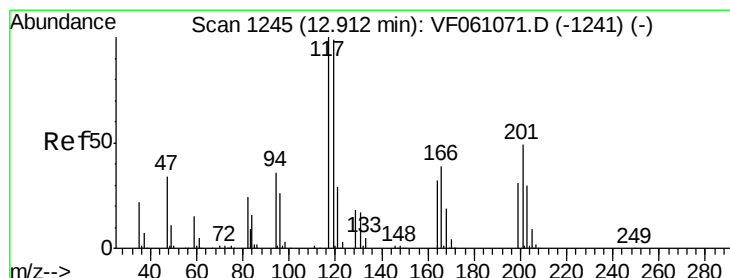
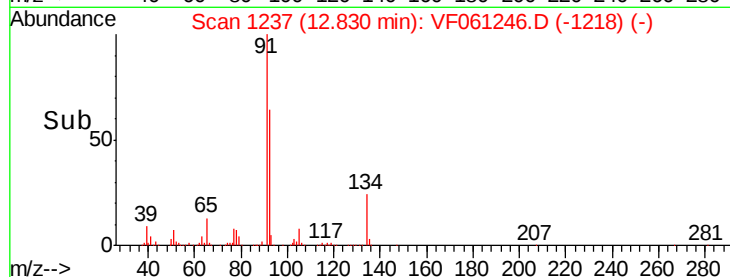
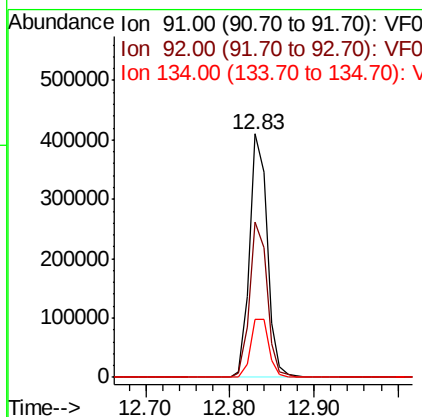
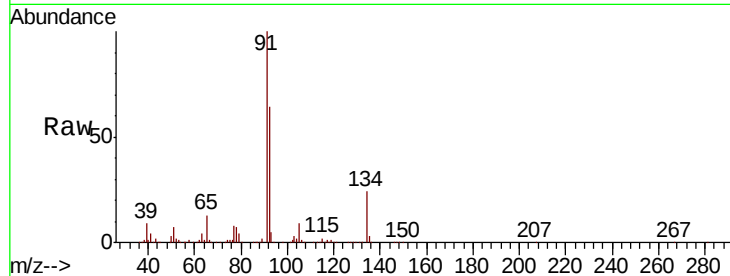
#89
n-Butylbenzene
Concen: 58.383 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VF061246.D
Acq: 2 Jan 2019 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	63.6	32.8	98.4
134	24.0	13.2	39.5

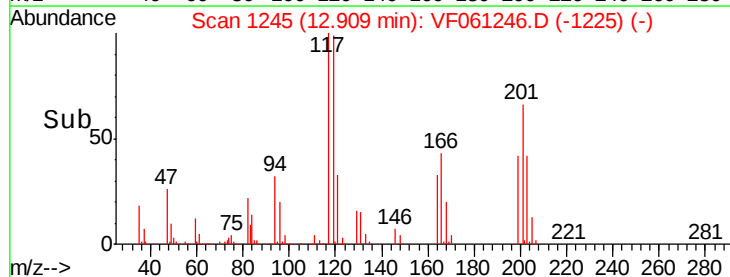
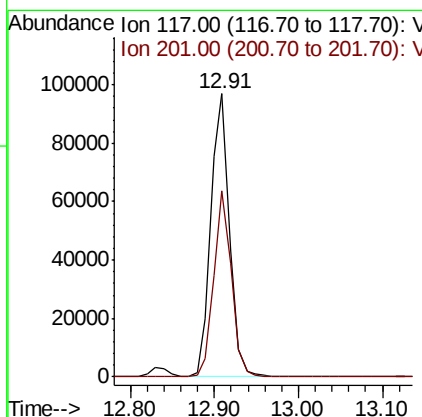
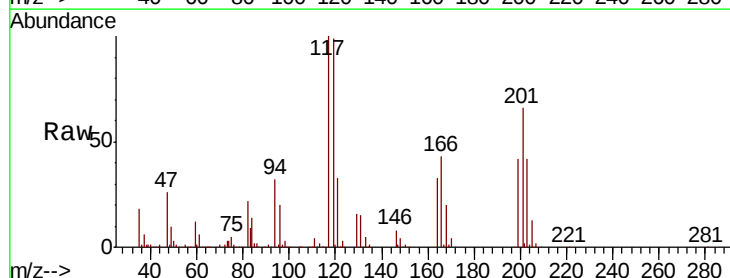
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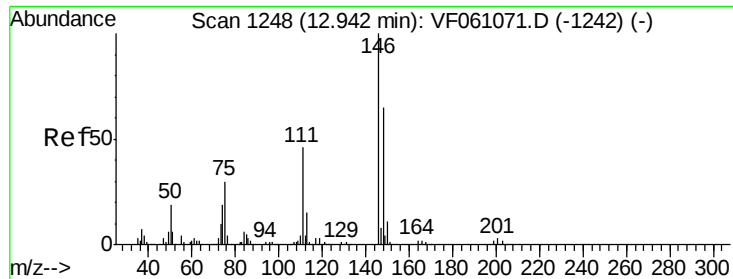
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#90
Hexachloroethane
Concen: 55.946 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VF061246.D
Acq: 2 Jan 2019 11:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.7	24.9	74.8





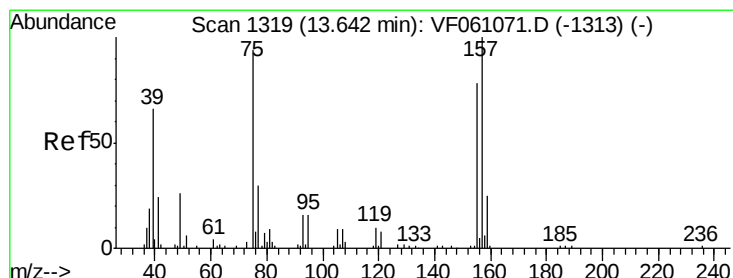
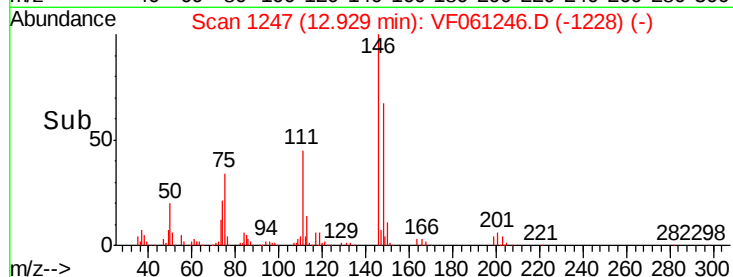
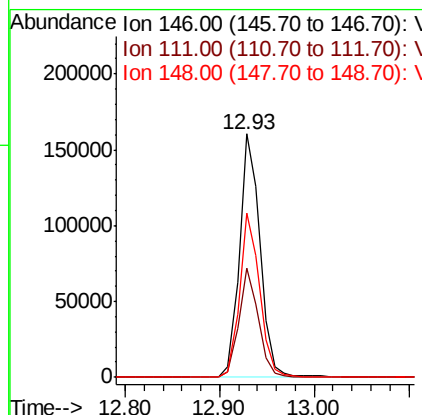
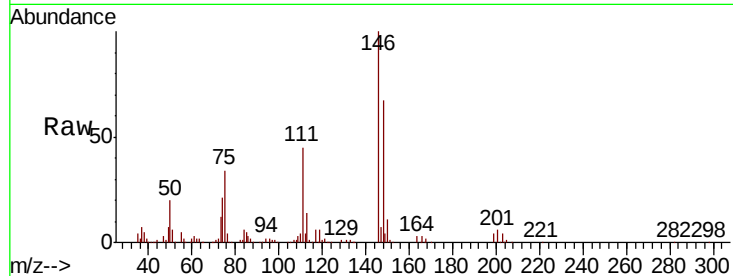
#91
 1,2-Dichlorobenzene
 Concen: 53.772 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: VF061246.D
 Acq: 2 Jan 2019 11:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.9	23.2	69.5
148	67.5	32.4	97.0

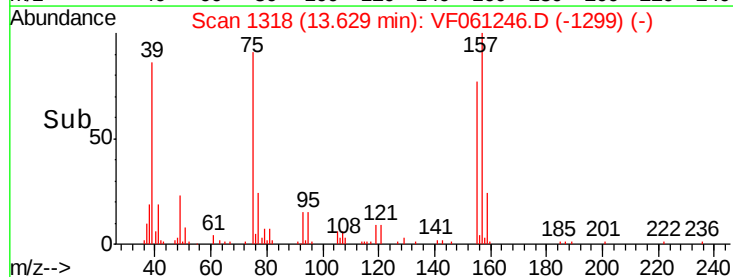
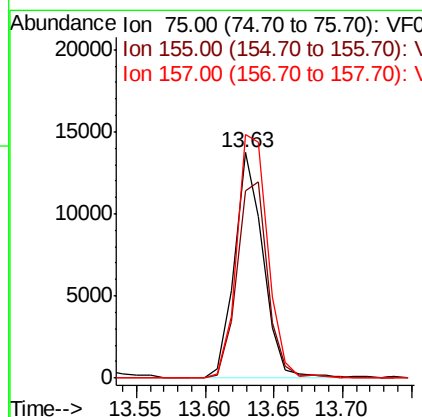
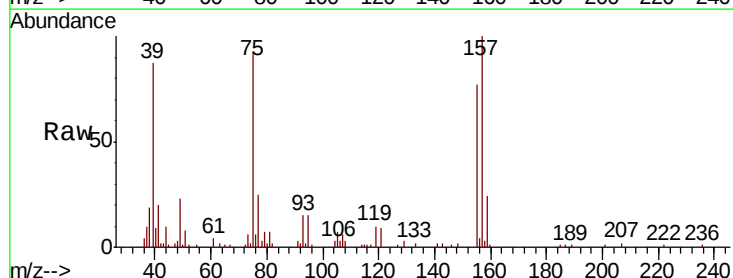
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.710 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: VF061246.D
 Acq: 2 Jan 2019 11:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.1	41.5	124.5
157	108.1	53.2	159.6





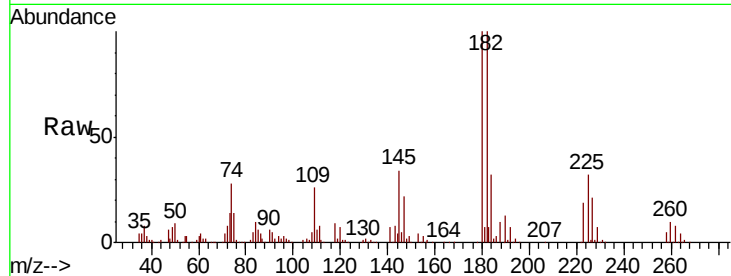
#93
1,2,4-Trichlorobenzene
Concen: 55.213 ug/l
RT: 14.19 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VF061246.D
Acq: 2 Jan 2019 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	176252		
182	99.8	46.9	140.6	
145	34.1	20.5	61.6	

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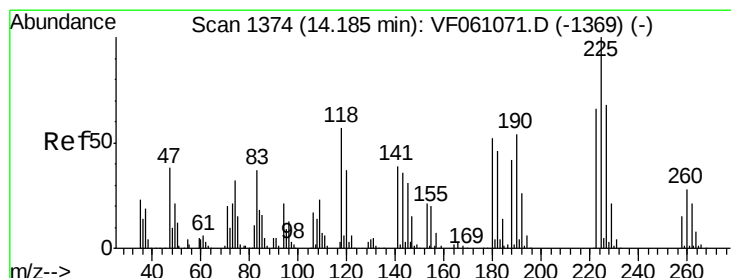
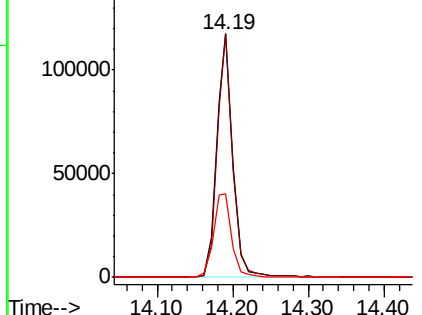
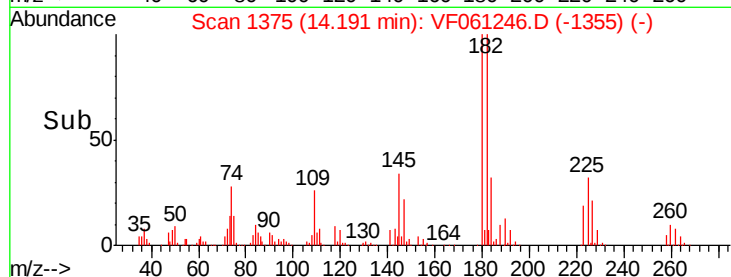


Abundance

Ion 180.00 (179.70 to 180.70): V

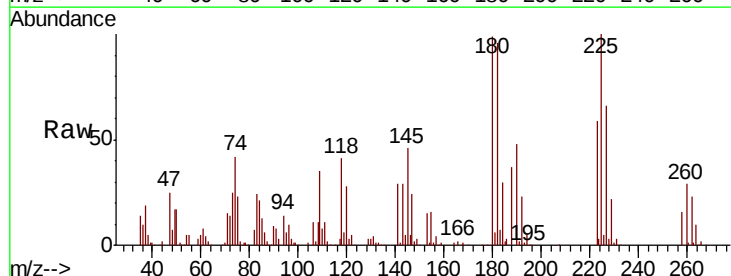
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
Hexachlorobutadiene
Concen: 58.560 ug/l
RT: 14.18 min Scan# 1374
Delta R.T. -0.00 min
Lab File: VF061246.D
Acq: 2 Jan 2019 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	119062		
223	59.2	32.8	98.3	
227	66.1	34.0	101.8	

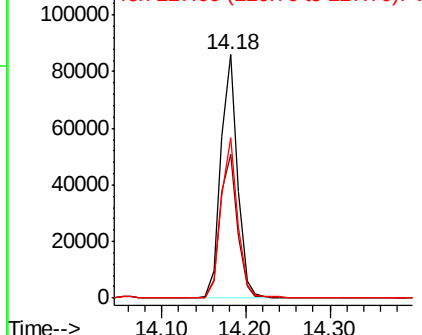
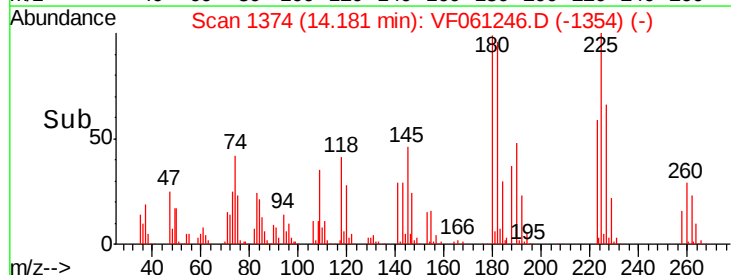


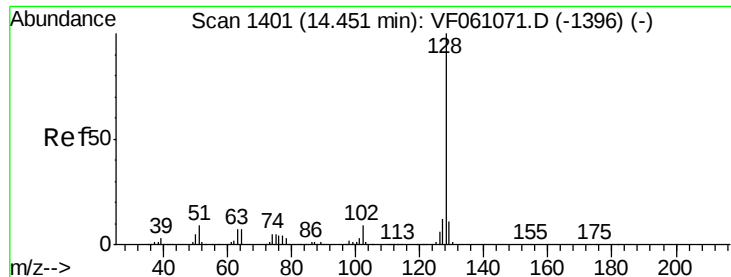
Abundance

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





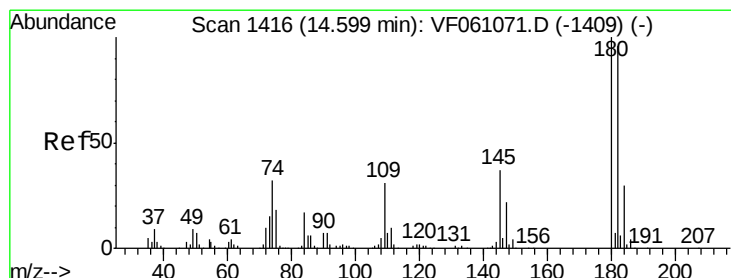
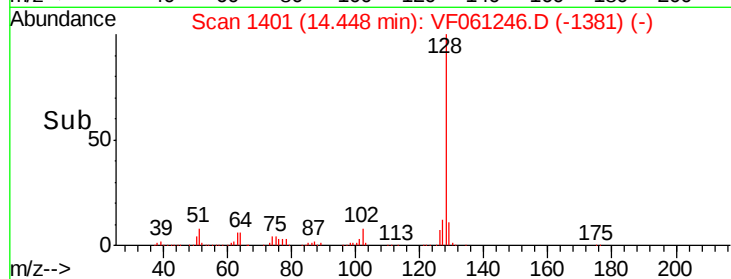
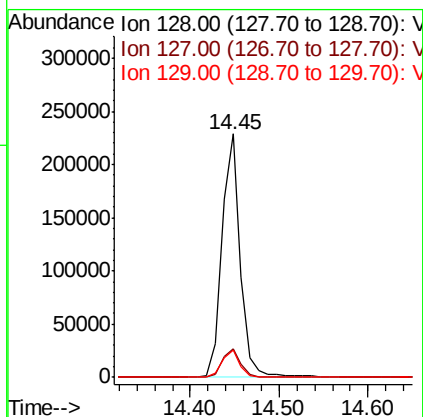
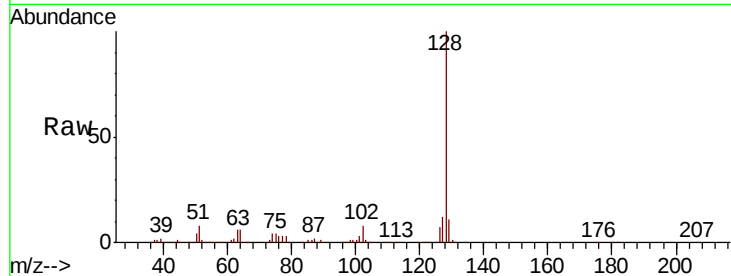
#95
Naphthalene
Concen: 57.265 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.00 min
Lab File: VF061246.D
Acq: 2 Jan 2019 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.7	9.4	14.2
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
1/3/2019 3:08:10 PM



#96
1,2,3-Trichlorobenzene
Concen: 55.347 ug/l
RT: 14.60 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VF061246.D
Acq: 2 Jan 2019 11:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.1	47.9	143.8
145	34.6	18.6	55.8

