

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122218\
 Data File : VF061143.D
 Acq On : 22 Dec 2018 14:33
 Operator : VA/AP
 Sample : VF1222SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1222SBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 11:05:08 AM

Quant Time: Dec 24 03:19:04 2018
 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	4.90	168	195516	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.63	114	355333	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.80	117	344096	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.57	152	167615	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.87	65	122467	48.70	ug/l	0.02
Spiked Amount 50.000			Recovery	=	97.40%	
35) Dibromofluoromethane	4.14	113	130665	45.91	ug/l	0.02
Spiked Amount 50.000			Recovery	=	91.82%	
50) Toluene-d8	7.58	98	360749	44.72	ug/l	0.02
Spiked Amount 50.000			Recovery	=	89.44%	
62) 4-Bromofluorobenzene	11.43	95	169296	45.53	ug/l	0.01
Spiked Amount 50.000			Recovery	=	91.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.97	85	82773	19.045	ug/l	99
3) Chloromethane	1.11	50	54570	21.919	ug/l	98
4) Vinyl Chloride	1.15	62	50598	21.909	ug/l	91
5) Bromomethane	1.34	94	32779	20.463	ug/l	93
6) Chloroethane	1.40	64	22166	20.830	ug/l	89
7) Trichlorofluoromethane	1.49	101	87917	19.937	ug/l	96
8) Diethyl Ether	1.64	74	13410	22.208	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.84	101	46512	20.343	ug/l	96
10) Methyl Iodide	1.91	142	71250m	19.770	ug/l	
11) Tert butyl alcohol	2.59	59	11984	118.095	ug/l	98
12) 1,1-Dichloroethene	1.80	96	35914	20.838	ug/l	94
13) Acrolein	2.02	56	8217	112.060	ug/l	92
14) Allyl chloride	2.11	41	42484	23.687	ug/l	98
15) Acrylonitrile	2.95	53	28006	119.350	ug/l #	90
16) Acetone	2.25	43	57109	113.602	ug/l	94
17) Carbon Disulfide	1.85	76	104488	20.062	ug/l	100
18) Methyl Acetate	2.36	43	21386	20.562	ug/l	100
19) Methyl tert-butyl Ether	2.44	73	86177	22.527	ug/l	96
20) Methylene Chloride	2.25	84	39105m	21.810	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	37013	20.079	ug/l	92
22) Diisopropyl ether	2.82	45	133206	22.296	ug/l	95
23) Vinyl Acetate	3.21	43	334969	121.537	ug/l	99
24) 1,1-Dichloroethane	2.89	63	78539	22.188	ug/l	97
25) 2-Butanone	4.36	43	98000	120.201	ug/l	99
26) 2,2-Dichloropropane	3.62	77	43704	21.514	ug/l	98
27) cis-1,2-Dichloroethene	3.50	96	60301	21.368	ug/l	93
28) Bromochloromethane	3.75	49	40302	22.439	ug/l	96
29) Tetrahydrofuran	4.11	42	40434	121.849	ug/l	98
30) Chloroform	3.88	83	108144	20.375	ug/l	97
31) Cyclohexane	3.71	56	82875	22.563	ug/l	89
32) 1,1,1-Trichloroethane	4.12	97	67098	21.091	ug/l	95
36) 1,1-Dichloropropene	4.31	75	83512	19.471	ug/l	93
37) Ethyl Acetate	4.14	43	37740	20.433	ug/l #	79
38) Carbon Tetrachloride	4.02	117	68047	20.833	ug/l	92

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	85254	22.156	ug/l	94
40) Benzene	4.66	78	189032	20.494	ug/l	95
41) Methacrylonitrile	4.77	41	22908	25.290	ug/l	93
42) 1,2-Dichloroethane	4.97	62	69139	19.732	ug/l	98
43) Isopropyl Acetate	6.99	43	47131	22.758	ug/l	100
44) Trichloroethene	5.53	130	58630	20.162	ug/l	96
45) 1,2-Dichloropropane	6.26	63	49432	19.698	ug/l #	88
46) Dibromomethane	6.11	93	32479	19.955	ug/l	94
47) Bromodichloromethane	6.42	83	86470	20.447	ug/l	96
48) Methyl methacrylate	6.74	41	30565	21.141	ug/l	92
49) 1,4-Dioxane	6.73	88	4549	433.629	ug/l #	85
51) 4-Methyl-2-Pentanone	8.28	43	173952	122.472	ug/l	99
52) Toluene	7.65	92	123349	20.202	ug/l	97
53) t-1,3-Dichloropropene	8.30	75	70028	20.527	ug/l	96
54) cis-1,3-Dichloropropene	7.32	75	89837	20.981	ug/l	99
55) 1,1,2-Trichloroethane	8.52	97	38242	20.893	ug/l	96
56) Ethyl methacrylate	8.65	69	42920	21.670	ug/l	98
57) 1,3-Dichloropropane	8.87	76	68692	20.750	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.31	63	42588	111.958	ug/l	97
59) 2-Hexanone	9.51	43	120246	117.067	ug/l	99
60) Dibromochloromethane	8.74	129	51957	19.802	ug/l	93
61) 1,2-Dibromoethane	9.01	107	40276	20.603	ug/l	93
64) Tetrachloroethene	8.18	164	49005	18.514	ug/l	98
65) Chlorobenzene	9.82	112	136534	19.207	ug/l	93
66) 1,1,1,2-Tetrachloroethane	9.96	131	53865	18.542	ug/l	94
67) Ethyl Benzene	9.93	91	251716	19.437	ug/l	97
68) m/p-Xylenes	10.16	106	181104	39.737	ug/l	98
69) o-Xylene	10.74	106	96982	19.187	ug/l	99
70) Styrene	10.81	104	142984	20.315	ug/l	98
71) Bromoform	10.80	173	27979	20.818	ug/l #	95
73) Isopropylbenzene	11.14	105	287586	19.910	ug/l	98
74) N-amyl acetate	11.39	43	77821	24.267	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.71	83	51072	21.304	ug/l	99
76) 1,2,3-Trichloropropane	11.81	75	38044	21.325	ug/l	100
77) Bromobenzene	11.52	156	59784	19.227	ug/l	89
78) n-propylbenzene	11.61	91	341216	18.048	ug/l	99
79) 2-Chlorotoluene	11.73	91	192414	19.419	ug/l	99
80) 1,3,5-Trimethylbenzene	11.84	105	241466	20.302	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.88	75	16547m	21.584	ug/l	
82) 4-Chlorotoluene	11.92	91	202266	19.733	ug/l	97
83) tert-Butylbenzene	12.15	119	245591	20.066	ug/l	97
84) 1,2,4-Trimethylbenzene	12.22	105	233155	19.658	ug/l	95
85) sec-Butylbenzene	12.33	105	323546	20.257	ug/l	98
86) p-Isopropyltoluene	12.47	119	269738	20.346	ug/l	99
87) 1,3-Dichlorobenzene	12.49	146	116578	19.716	ug/l	99
88) 1,4-Dichlorobenzene	12.58	146	109859	19.241	ug/l	98
89) n-Butylbenzene	12.86	91	282853	18.524	ug/l	95
90) Hexachloroethane	12.94	117	62160	18.978	ug/l	87
91) 1,2-Dichlorobenzene	12.96	146	113172	20.359	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.66	75	8816	20.041	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	79737	20.226	ug/l	95
94) Hexachlorobutadiene	14.21	225	46291	18.437	ug/l	96
95) Naphthalene	14.48	128	148189	20.586	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	71654	19.661	ug/l	98

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

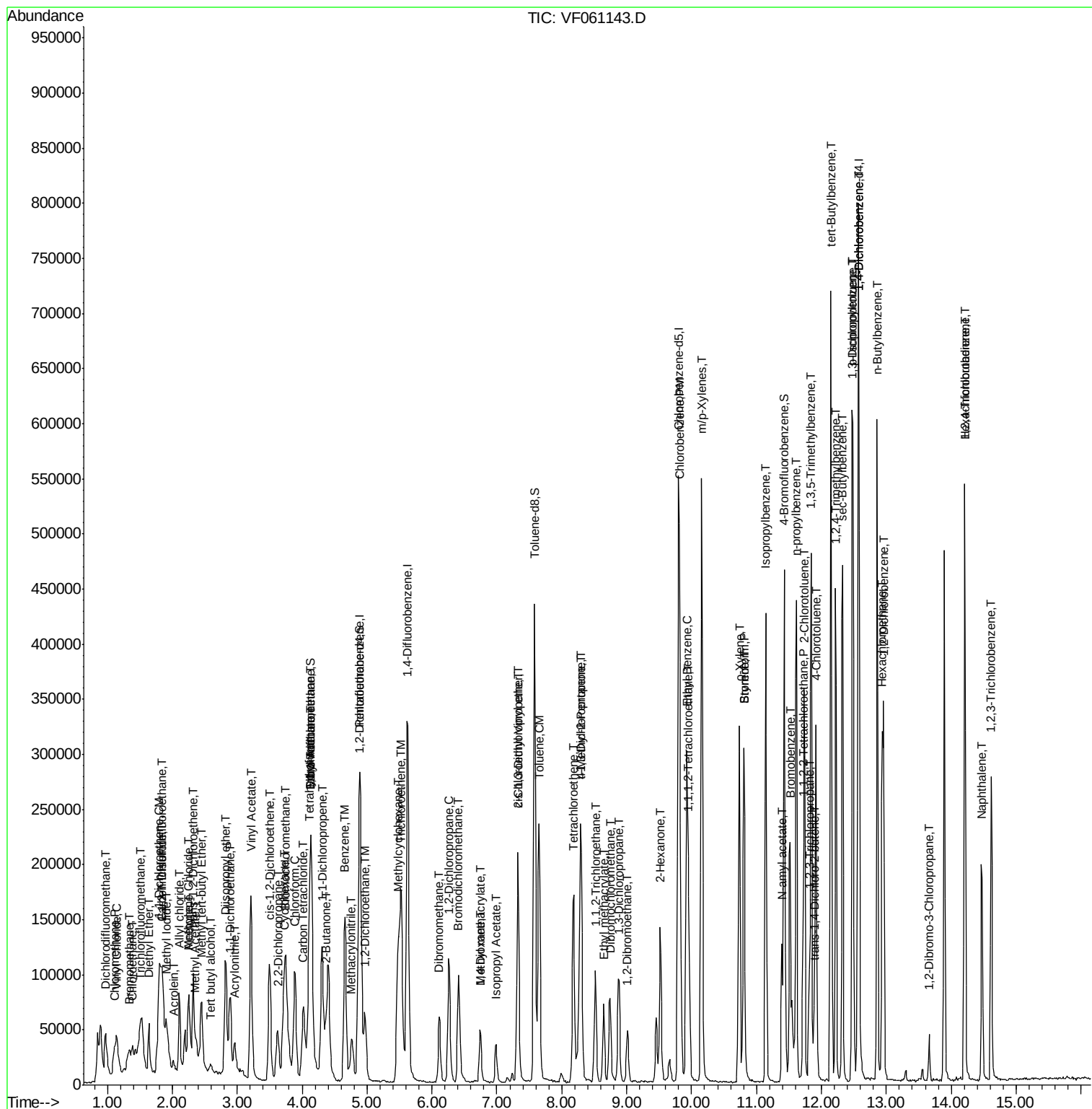
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF122218\
Data File : VF061143.D
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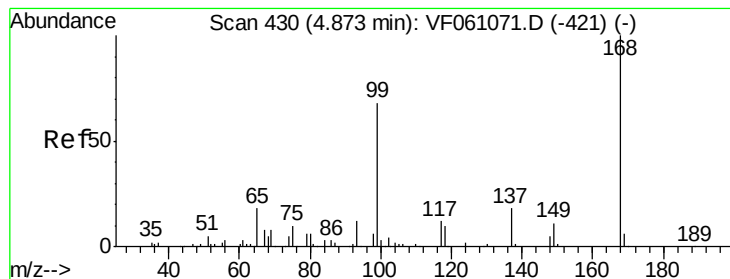
Instrument :
MSVOA_F
ClientSampleId :
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.90 min Scan# 433

Delta R.T. 0.02 min

Lab File: VF061143.D

Acq: 22 Dec 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

VF1222SBS01

Tgt Ion: 168 Resp: 195516

Ion Ratio Lower Upper

168 100

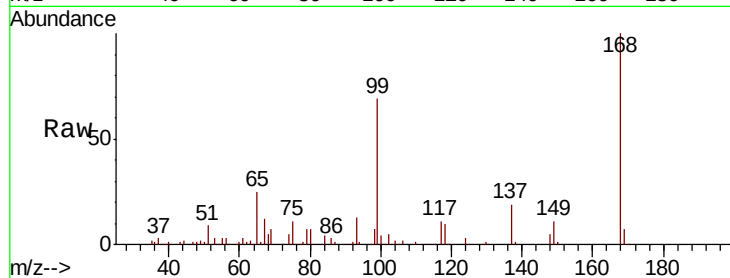
99 69.4 54.4 81.6

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.90

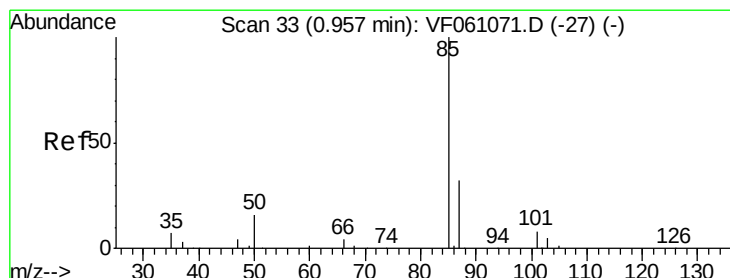
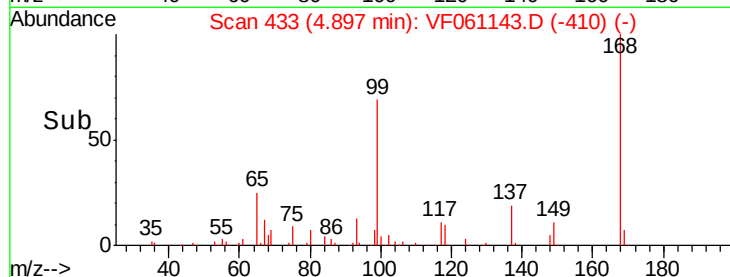
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 19.045 ug/l

RT: 0.97 min Scan# 35

Delta R.T. 0.01 min

Lab File: VF061143.D

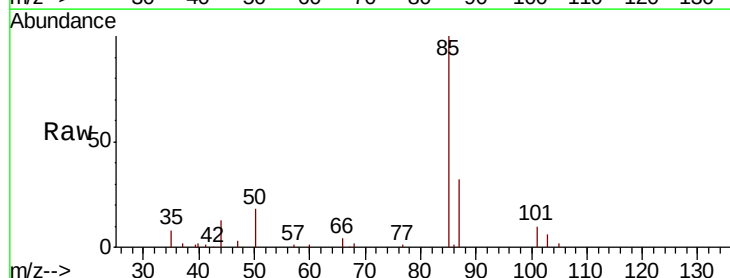
Acq: 22 Dec 2018 14:33

Tgt Ion: 85 Resp: 82773

Ion Ratio Lower Upper

85 100

87 32.4 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

25000

20000

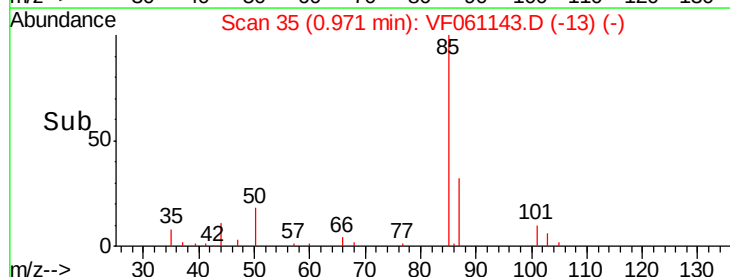
15000

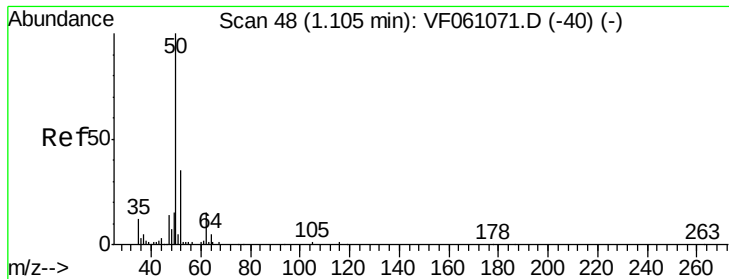
10000

5000

0

Time--> 0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 21.919 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.00 min

Lab File: VF061143.D

Acq: 22 Dec 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

VF1222SBS01

Tgt Ion: 50 Resp: 54570

Ion Ratio Lower Upper

50 100

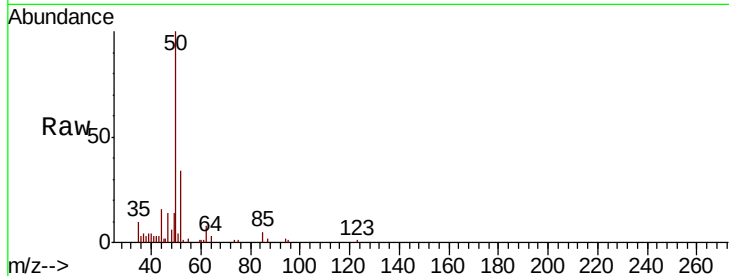
52 33.8 26.3 39.5

Manual Integrations

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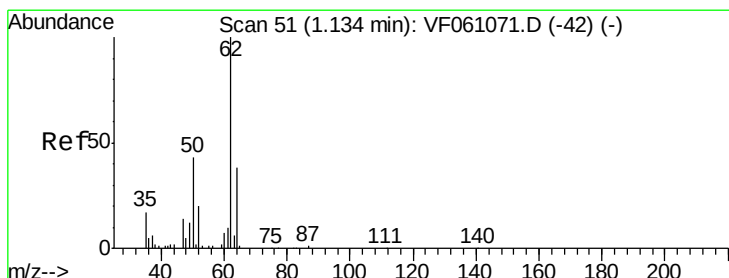
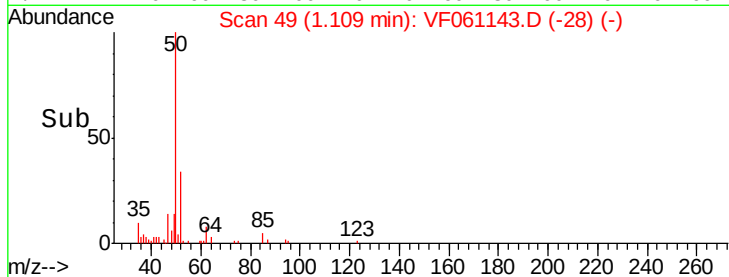
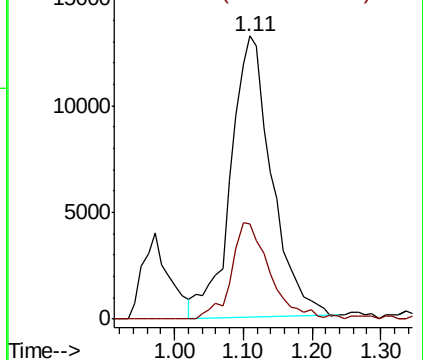
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 21.909 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.01 min

Lab File: VF061143.D

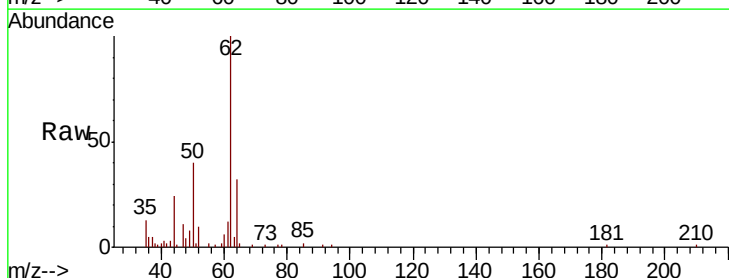
Acq: 22 Dec 2018 14:33

Tgt Ion: 62 Resp: 50598

Ion Ratio Lower Upper

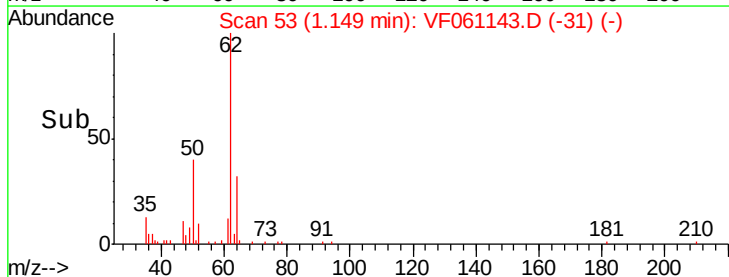
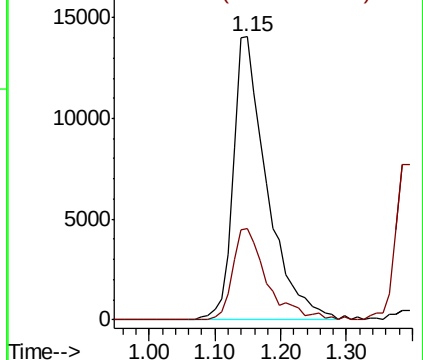
62 100

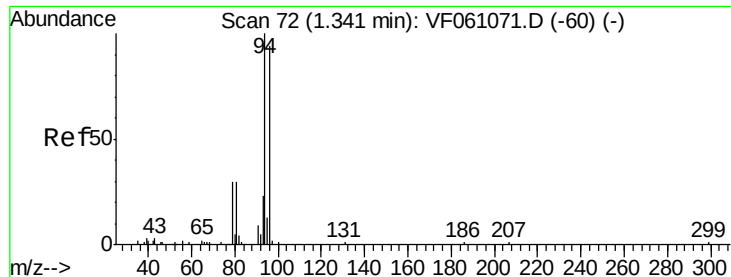
64 32.5 30.4 45.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 20.463 ug/l

RT: 1.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VF061143.D

Acq: 22 Dec 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

VF1222SBS01

Tgt Ion: 94 Resp: 32779

Ion Ratio Lower Upper

94 100

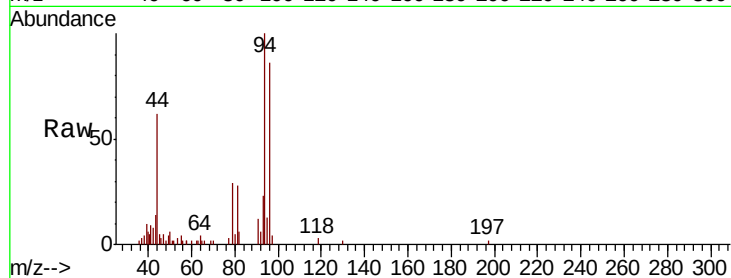
96 85.9 74.4 111.6

Manual Integrations

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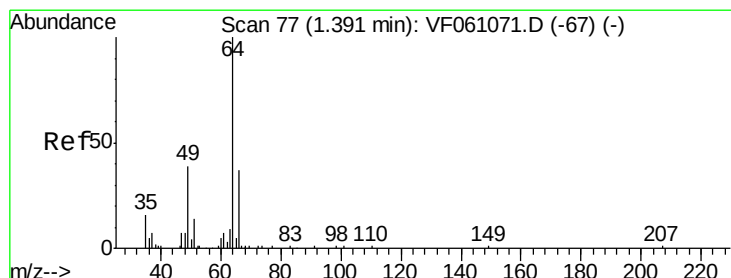
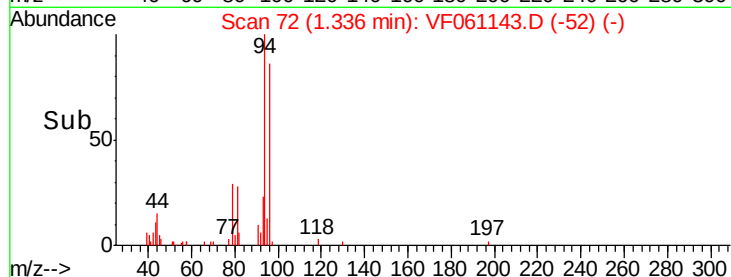
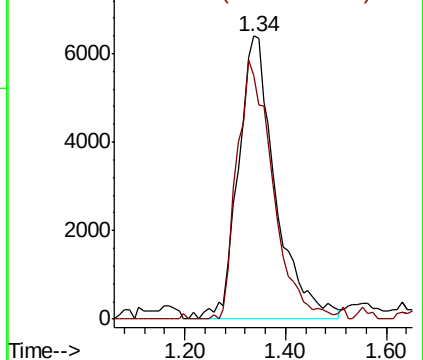
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 20.830 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.00 min

Lab File: VF061143.D

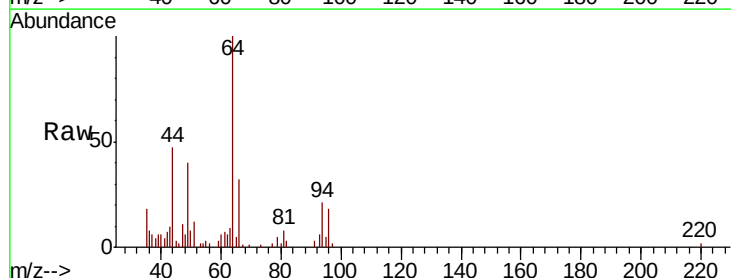
Acq: 22 Dec 2018 14:33

Tgt Ion: 64 Resp: 22166

Ion Ratio Lower Upper

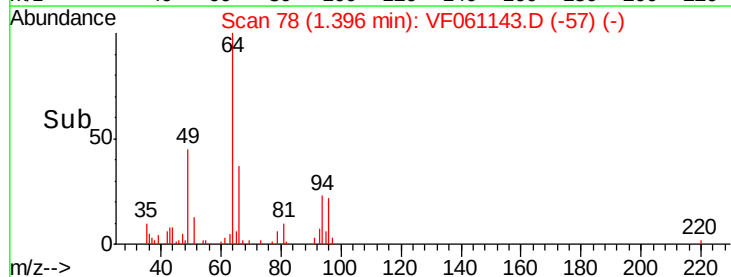
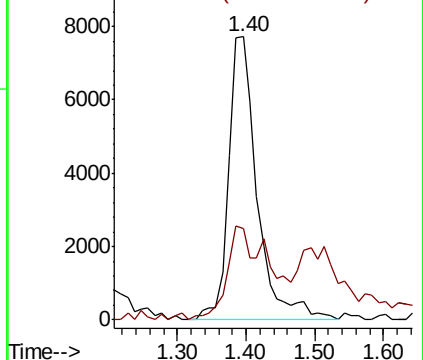
64 100

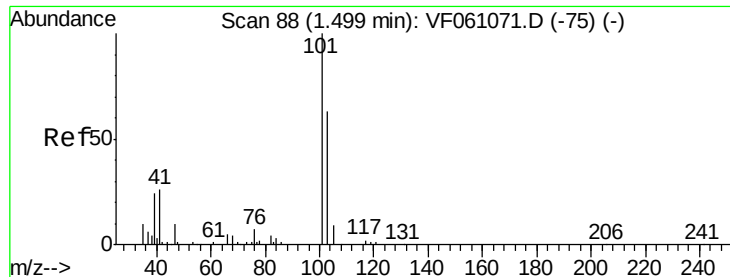
66 32.1 30.9 46.3



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

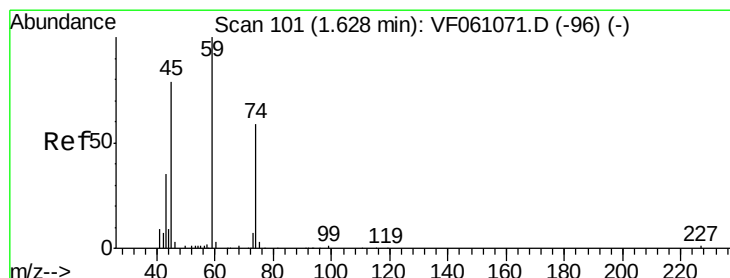
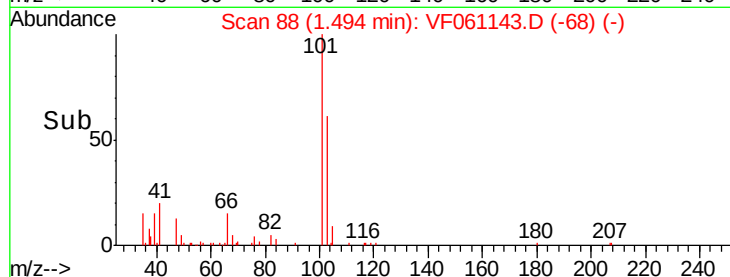
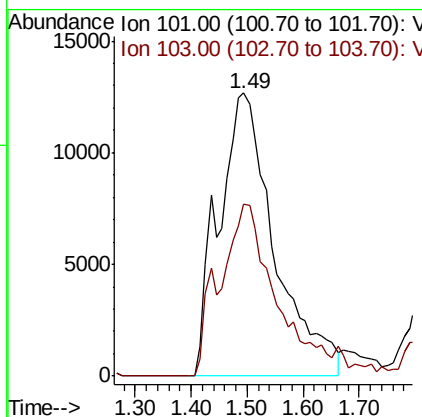
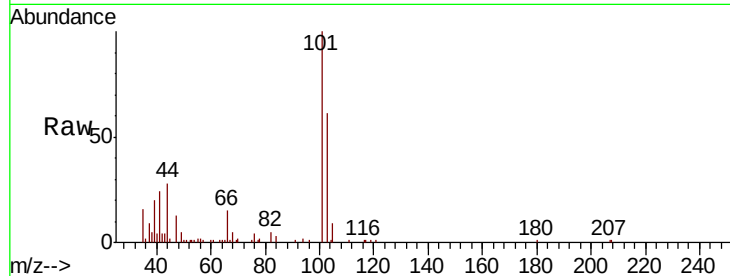
Trichlorofluoromethane
Concen: 19.937 ug/l
RT: 1.49 min Scan# 88
Delta R.T. -0.01 min
Lab File: VF061143.D
Acq: 22 Dec 2018 14:33

Instrument :
MSVOA_F
ClientSampleId :
VF1222SBS01

Tgt Ion:101 Resp: 87917
Ion Ratio Lower Upper
101 100
103 60.7 50.7 76.1

Manual Integrations
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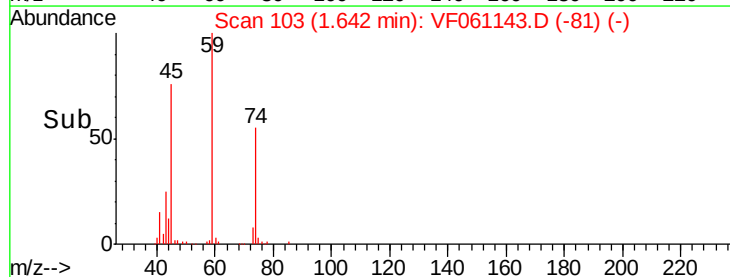
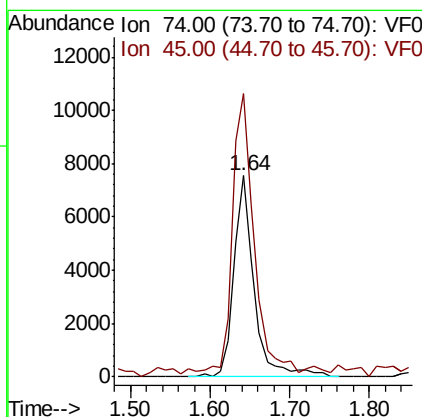
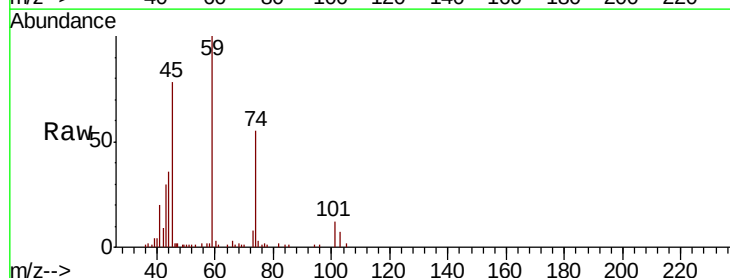
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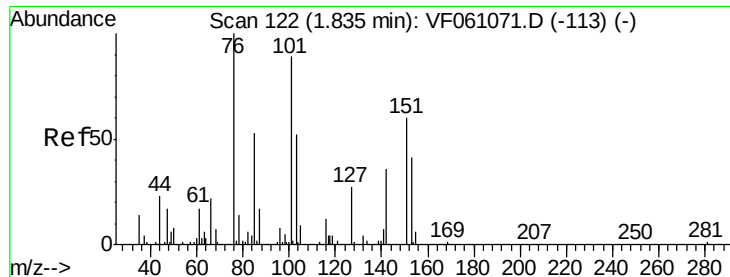


#8

Diethyl Ether
Concen: 22.208 ug/l
RT: 1.64 min Scan# 103
Delta R.T. 0.01 min
Lab File: VF061143.D
Acq: 22 Dec 2018 14:33

Tgt Ion: 74 Resp: 13410
Ion Ratio Lower Upper
74 100
45 140.6 67.8 203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.343 ug/l

RT: 1.84 min Scan# 123

Delta R.T. 0.00 min

Lab File: VF061143.D

Acq: 22 Dec 2018 14:33

Instrument :

MSVOA_F

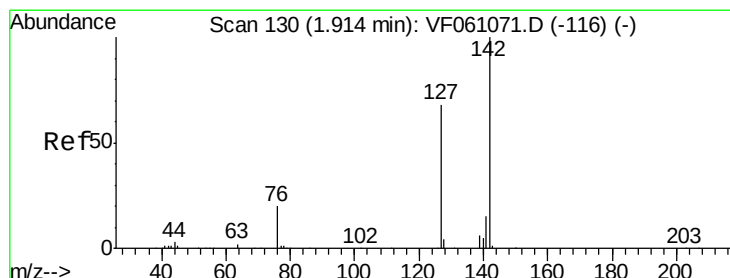
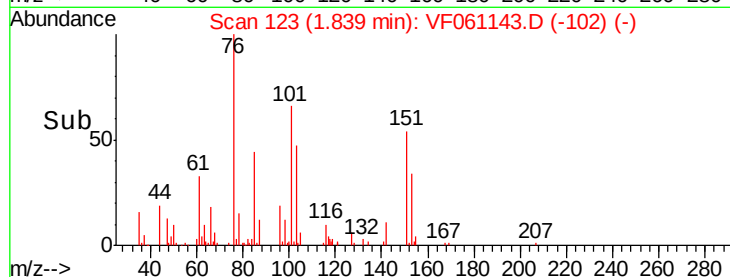
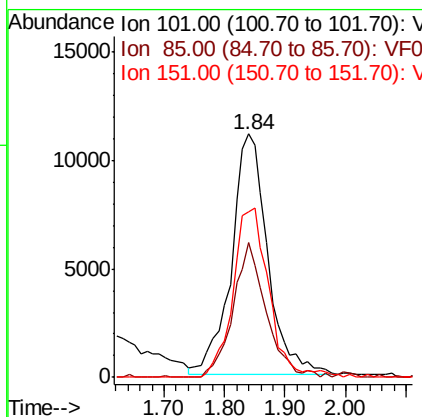
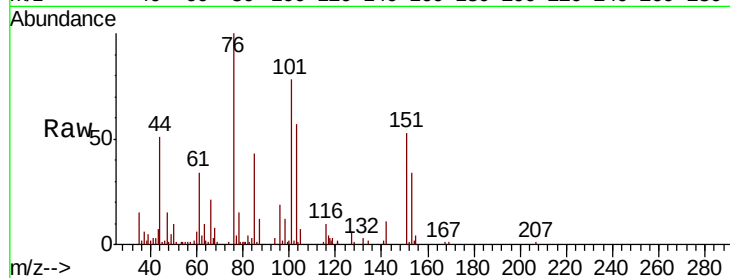
ClientSampleId :

VF1222SBS01

Tgt Ion:	101	Resp:	46512
Ion Ratio	Lower	Upper	
101	100		
85	55.3	44.5	66.7
151	68.2	49.9	74.9

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#10

Methyl Iodide

Concen: 19.770 ug/l m

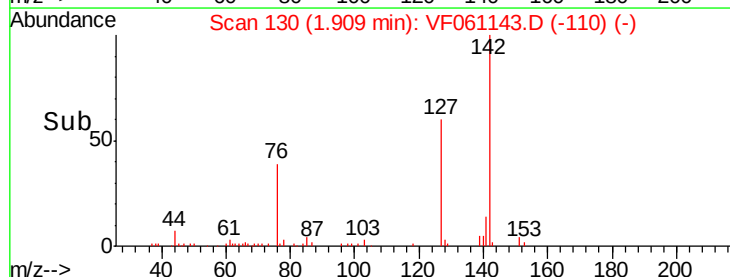
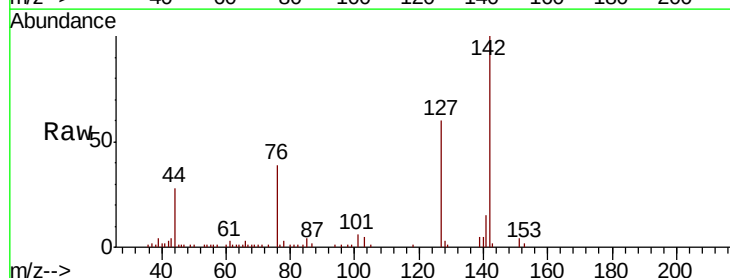
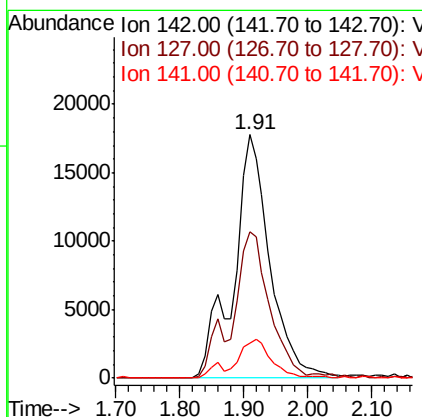
RT: 1.91 min Scan# 130

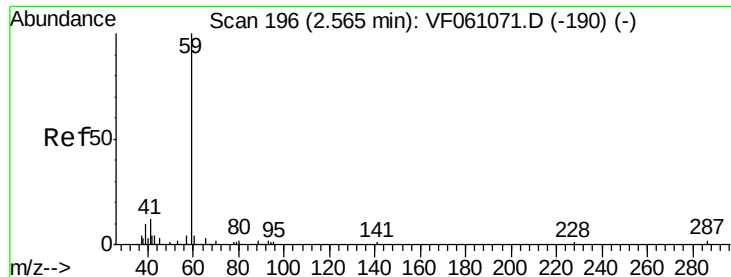
Delta R.T. -0.01 min

Lab File: VF061143.D

Acq: 22 Dec 2018 14:33

Tgt Ion:	142	Resp:	71250
Ion Ratio	Lower	Upper	
142	100		
127	60.2	54.7	82.1
141	14.6	12.2	18.2





#11

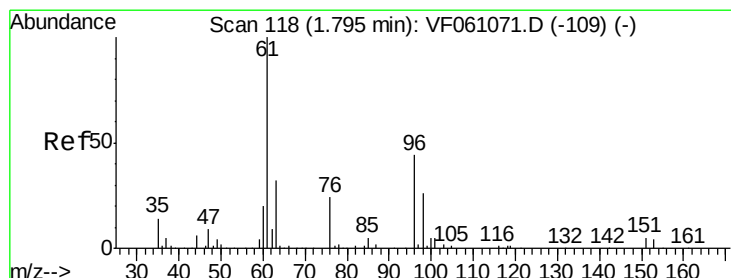
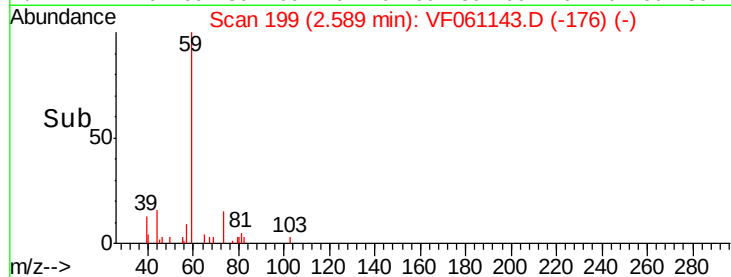
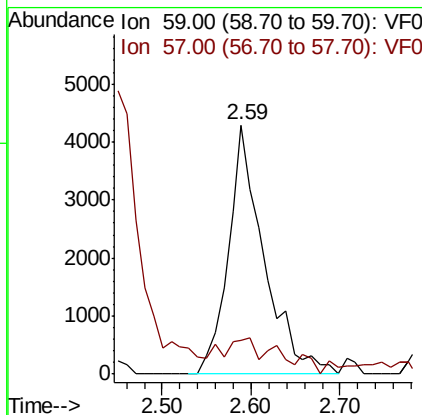
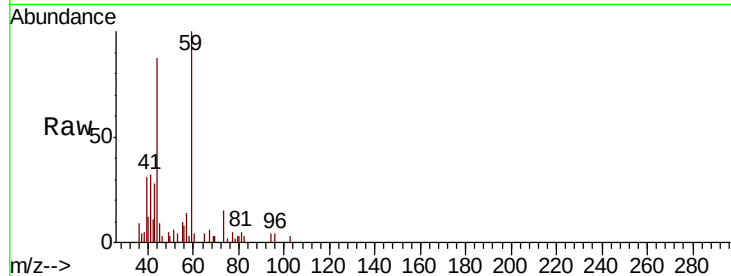
Tert butyl alcohol
Concen: 118.095 ug/l
RT: 2.59 min Scan# 199
Delta R.T. 0.02 min
Lab File: VF061143.D
Acq: 22 Dec 2018 14:33

Instrument :
MSVOA_F
ClientSampleId :
VF1222SBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	13.7	11.5	17.3

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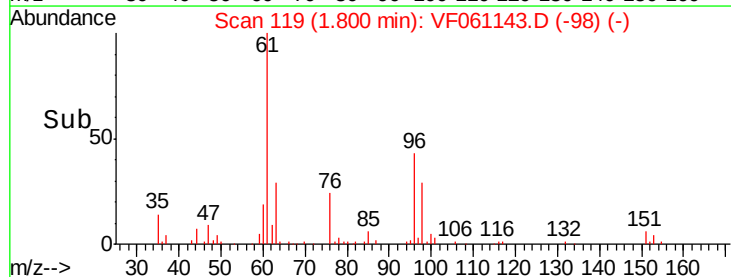
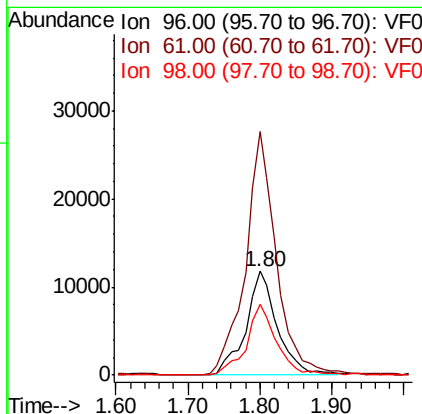
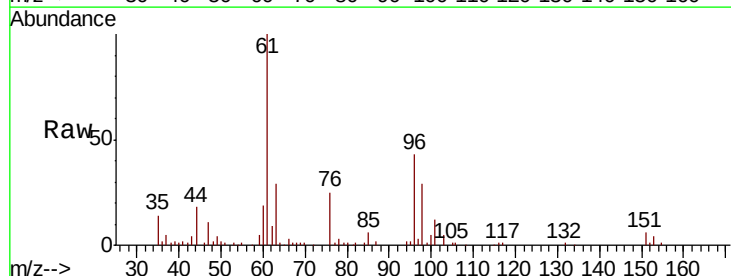
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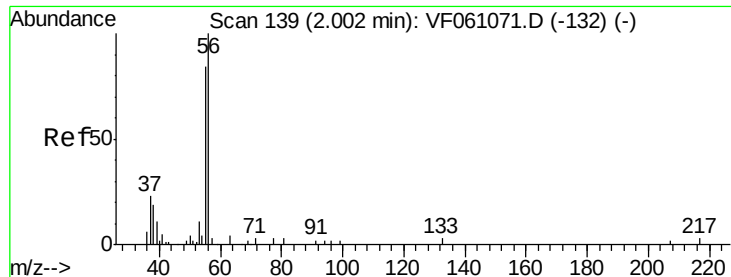


#12

1,1-Dichloroethene
Concen: 20.838 ug/l
RT: 1.80 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF061143.D
Acq: 22 Dec 2018 14:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	234.0	182.0	273.0
98	68.4	46.5	69.7





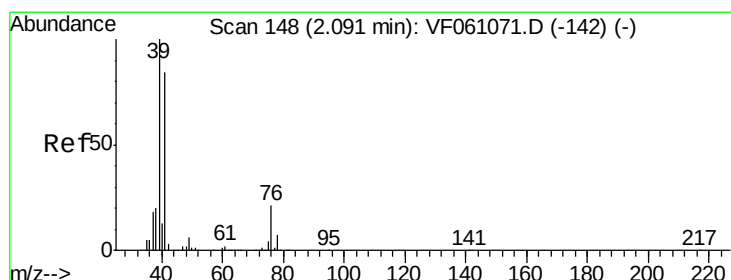
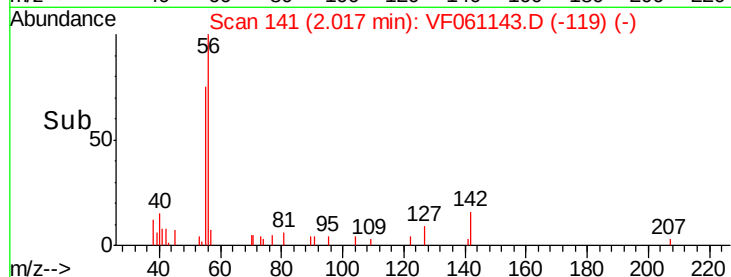
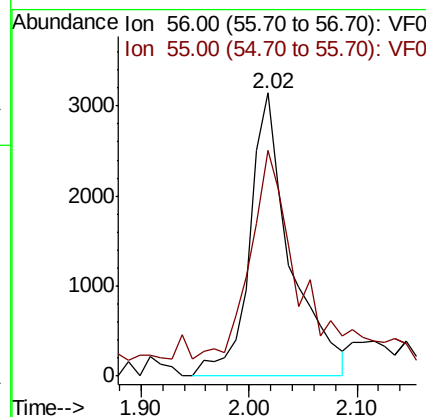
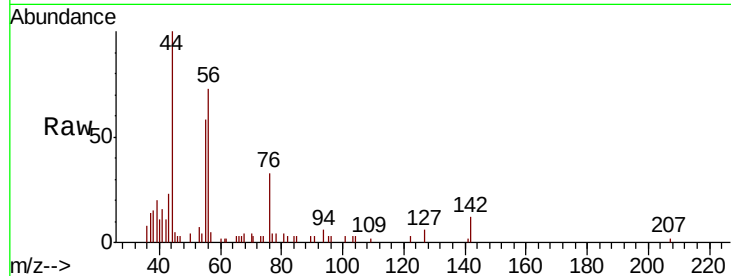
#13
Acrolein
Concen: 112.060 ug/l
RT: 2.02 min Scan# 141
Delta R.T. 0.02 min
Lab File: VF061143.D
Acq: 22 Dec 2018 14:33

Instrument :
MSVOA_F
ClientSampleId :
VF1222SBS01

Tgt Ion: 56 Resp: 8217
Ion Ratio Lower Upper
56 100
55 80.0 70.2 105.2

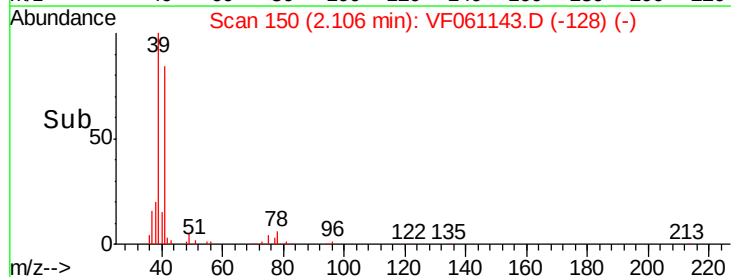
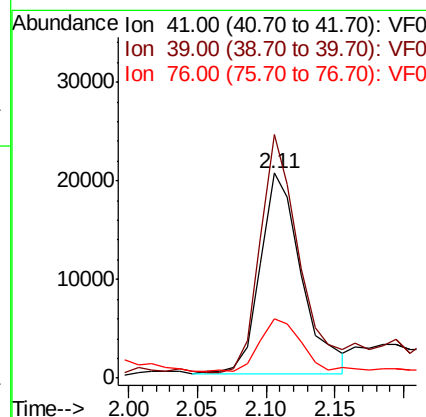
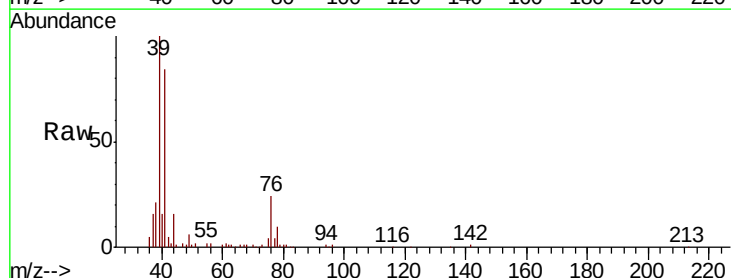
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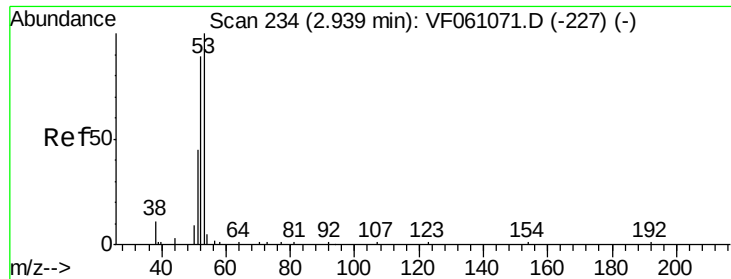
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#14
Allyl chloride
Concen: 23.687 ug/l
RT: 2.11 min Scan# 150
Delta R.T. 0.01 min
Lab File: VF061143.D
Acq: 22 Dec 2018 14:33

Tgt Ion: 41 Resp: 42484
Ion Ratio Lower Upper
41 100
39 118.7 96.4 144.6
76 28.8 25.4 38.0





#15

Acrylonitrile

Concen: 119.350 ug/l

RT: 2.95 min Scan# 236

Delta R.T. 0.01 min

Lab File: VF061143.D

Acq: 22 Dec 2018 14:33

Instrument :

MSVOA_F

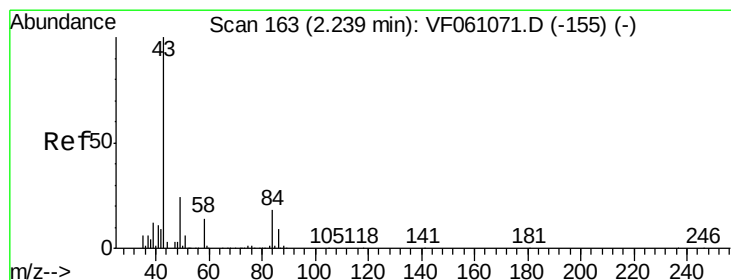
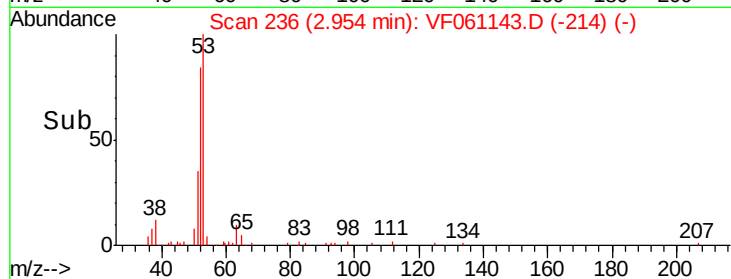
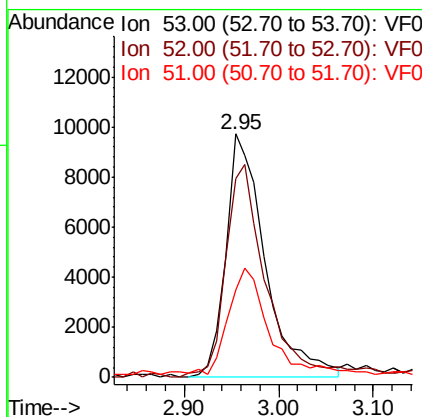
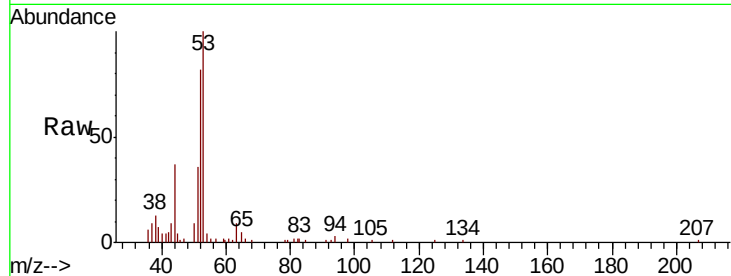
ClientSampleId :

VF1222SBS01

Tgt Ion:	53	Resp:	28006
Ion	Ratio	Lower	Upper
53	100		
52	81.6	71.3	106.9
51	35.9	36.8	55.2#

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#16

Acetone

Concen: 113.602 ug/l

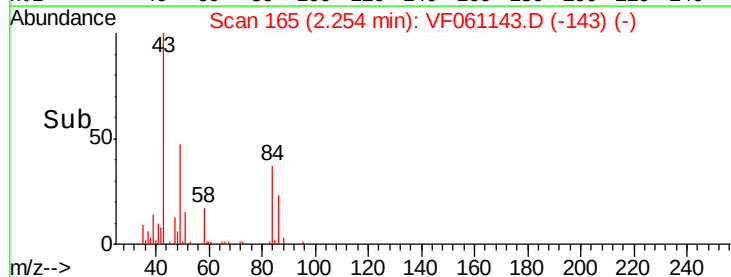
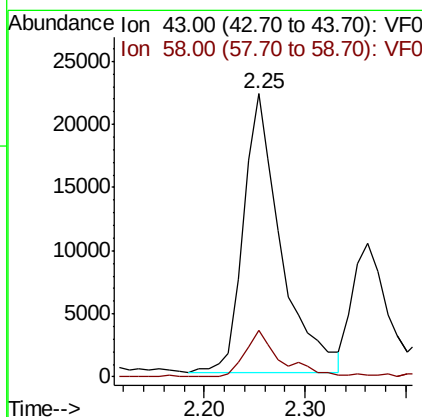
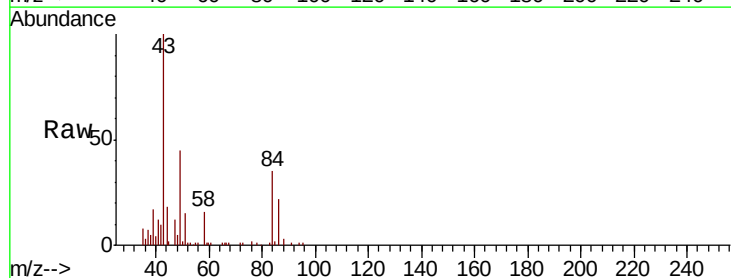
RT: 2.25 min Scan# 165

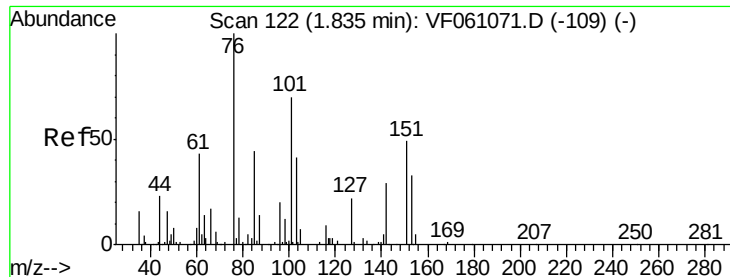
Delta R.T. 0.01 min

Lab File: VF061143.D

Acq: 22 Dec 2018 14:33

Tgt Ion:	43	Resp:	57109
Ion	Ratio	Lower	Upper
43	100		
58	16.4	11.1	16.7





#17

Carbon Disulfide

Concen: 20.062 ug/l

RT: 1.85 min Scan# 124

Delta R.T. 0.01 min

Lab File: VF061143.D

Acq: 22 Dec 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

VF1222SBS01

Tgt Ion: 76 Resp: 104488

Ion Ratio Lower Upper

76 100

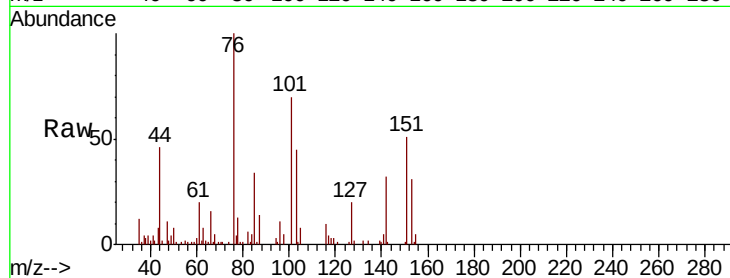
78 12.7 10.2 15.4

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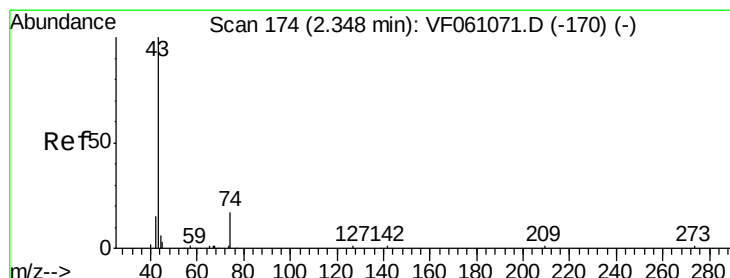
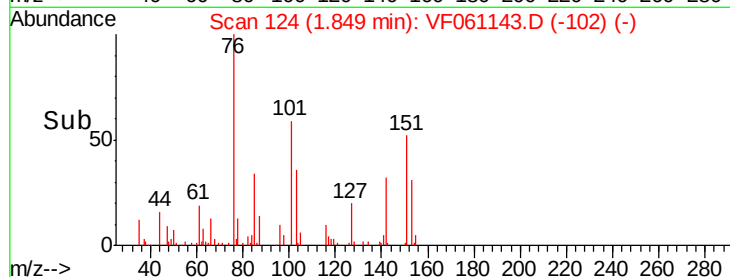
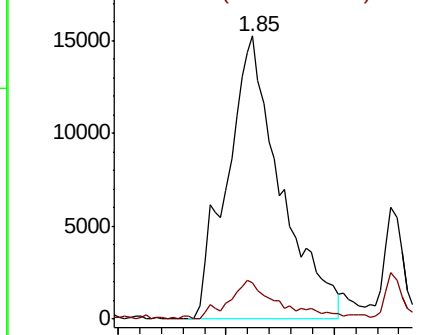
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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 20.562 ug/l

RT: 2.36 min Scan# 176

Delta R.T. 0.01 min

Lab File: VF061143.D

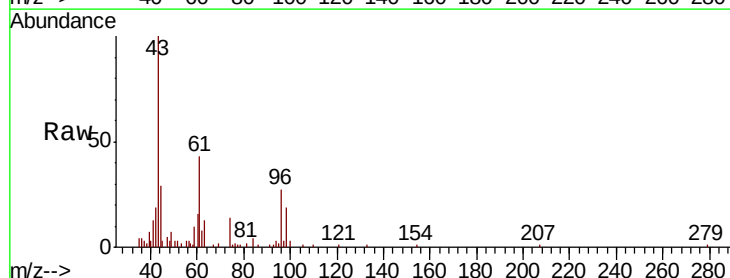
Acq: 22 Dec 2018 14:33

Tgt Ion: 43 Resp: 21386

Ion Ratio Lower Upper

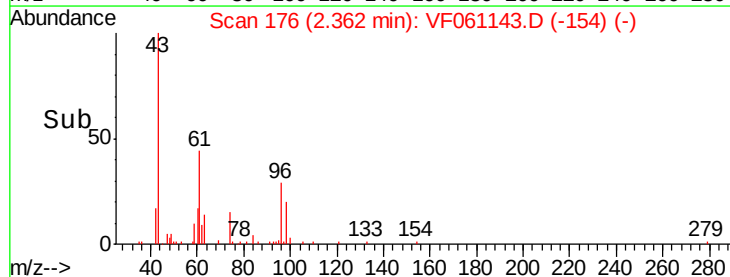
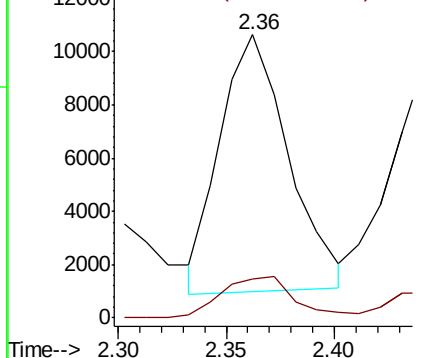
43 100

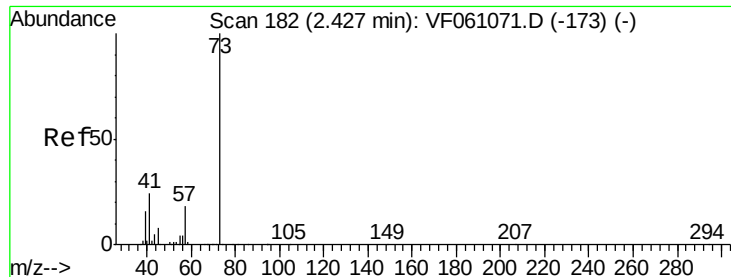
74 13.9 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





#19

Methyl tert-butyl Ether

Concen: 22.527 ug/l

RT: 2.44 min Scan# 184

Delta R.T. 0.01 min

Lab File: VF061143.D

Acq: 22 Dec 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

VF1222SBS01

Tgt Ion: 73 Resp: 86177

Ion Ratio Lower Upper

73 100

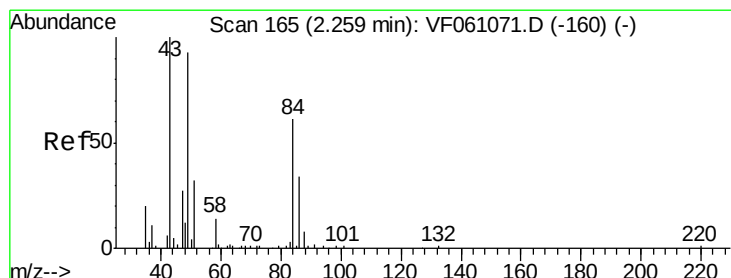
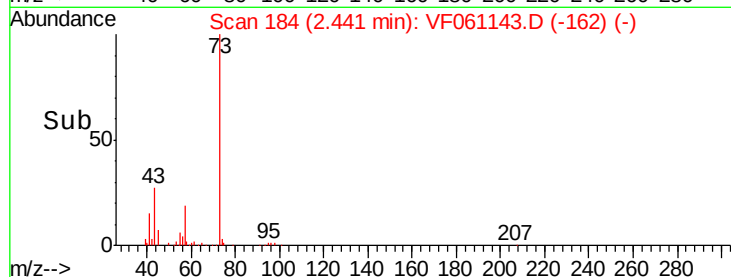
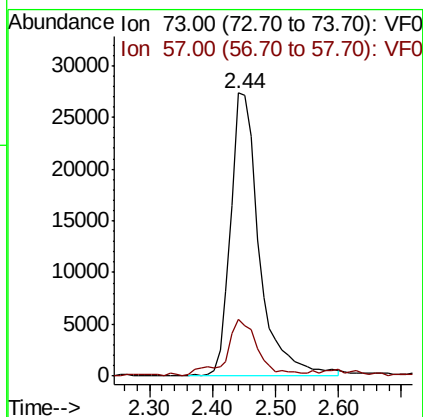
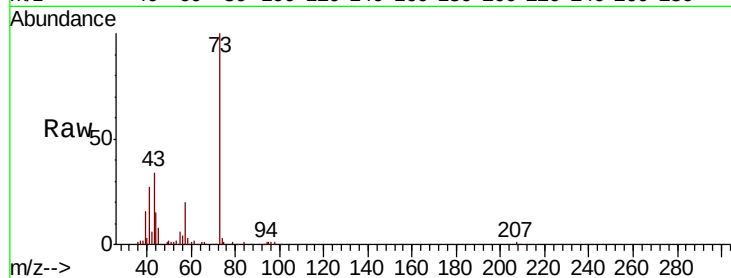
57 20.0 14.5 21.7

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#20

Methylene Chloride

Concen: 21.810 ug/l m

RT: 2.25 min Scan# 165

Delta R.T. -0.00 min

Lab File: VF061143.D

Acq: 22 Dec 2018 14:33

Tgt Ion: 84 Resp: 39105

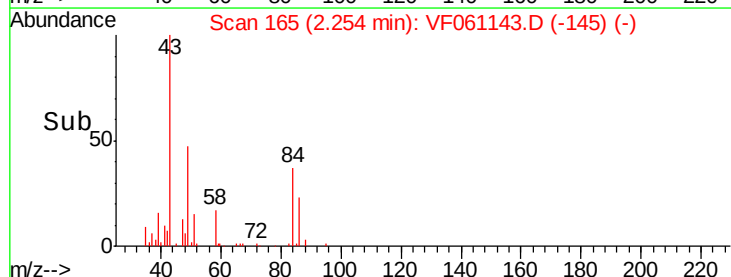
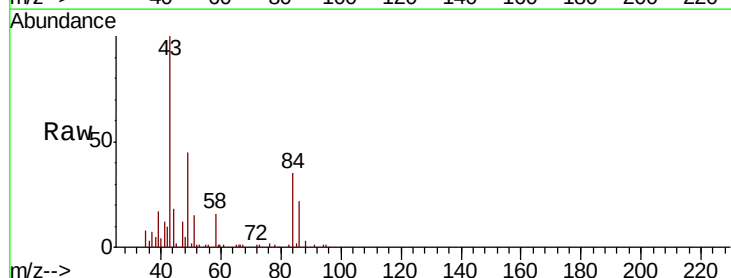
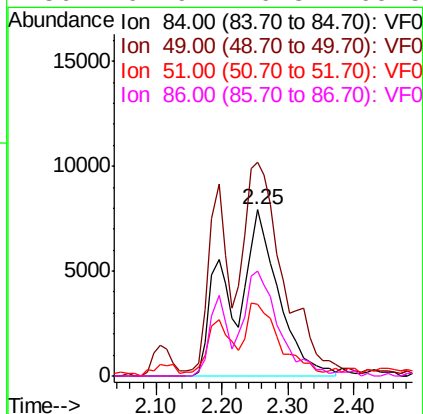
Ion Ratio Lower Upper

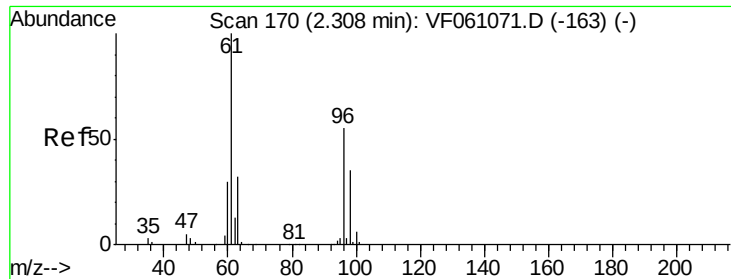
84 100

49 128.4 129.4 194.2#

51 43.0 44.0 66.0#

86 62.9 46.3 69.5





#21

trans-1,2-Dichloroethene

Concen: 20.079 ug/l

RT: 2.32 min Scan# 172

Delta R.T. 0.01 min

Lab File: VF061143.D

Acq: 22 Dec 2018 14:33

Instrument :

MSVOA_F

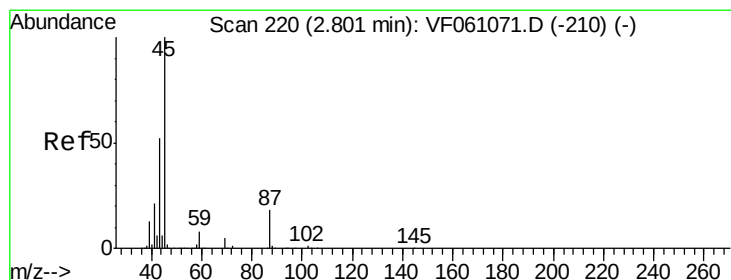
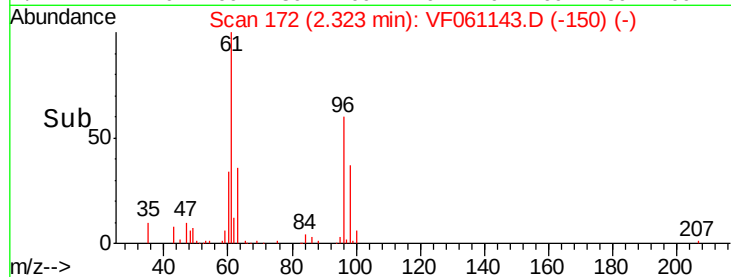
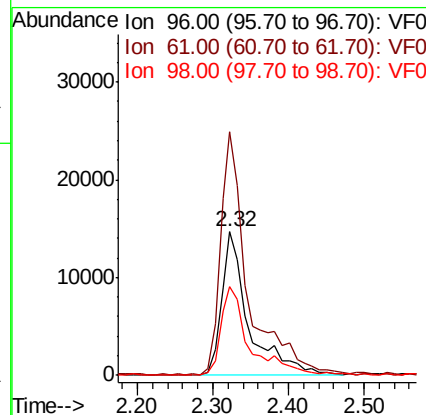
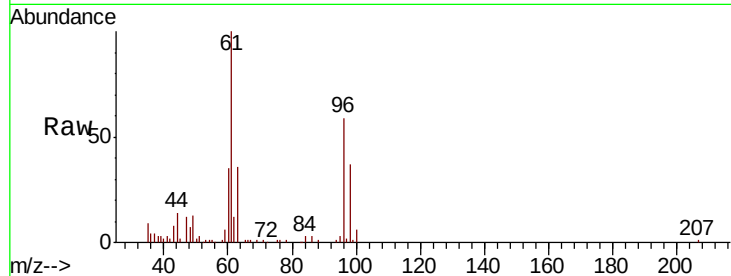
ClientSampleId :

VF1222SBS01

Tgt Ion:	96	Resp:	37013
Ion	Ratio	Lower	Upper
96	100		
61	169.4	146.0	219.0
98	62.1	51.6	77.4

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#22

Diisopropyl ether

Concen: 22.296 ug/l

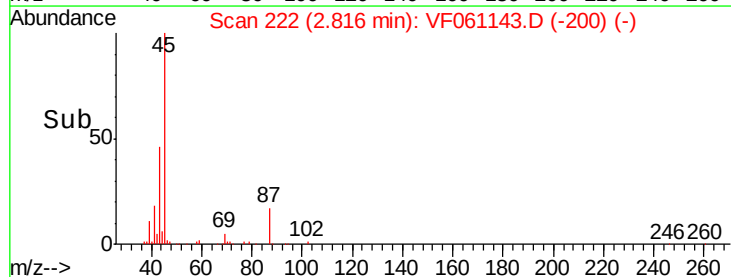
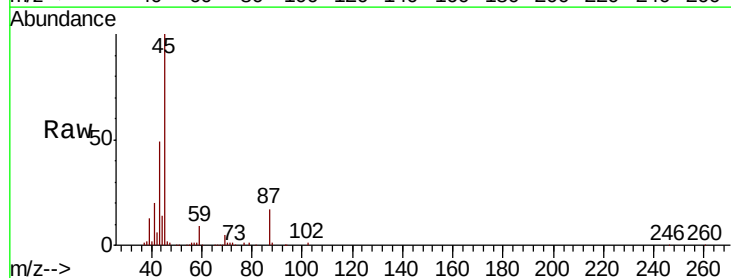
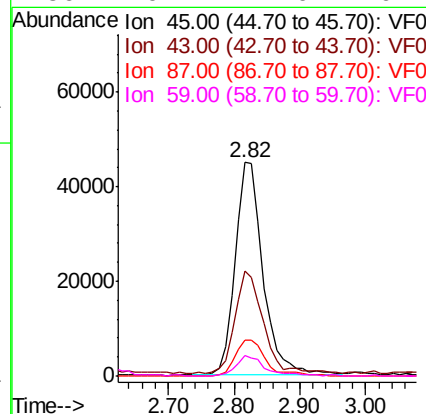
RT: 2.82 min Scan# 222

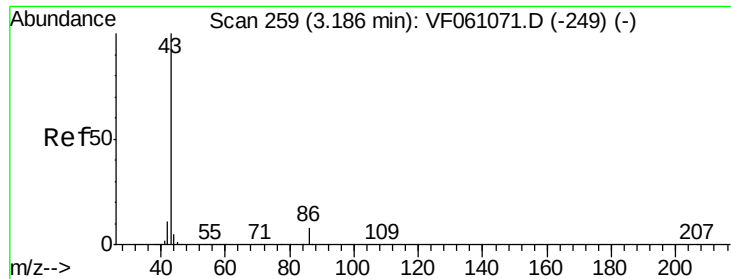
Delta R.T. 0.01 min

Lab File: VF061143.D

Acq: 22 Dec 2018 14:33

Tgt Ion:	45	Resp:	133206
Ion	Ratio	Lower	Upper
45	100		
43	49.0	42.2	63.2
87	16.6	14.6	22.0
59	9.4	7.0	10.4





#23

Vinyl Acetate

Concen: 121.537 ug/l

RT: 3.21 min Scan# 262

Delta R.T. 0.02 min

Lab File: VF061143.D

Acq: 22 Dec 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

VF1222SBS01

Tgt Ion: 43 Resp: 334969

Ion Ratio Lower Upper

43 100

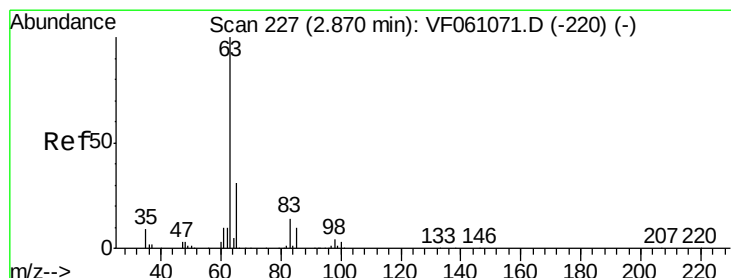
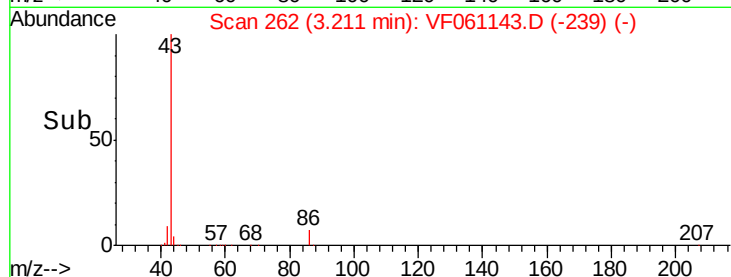
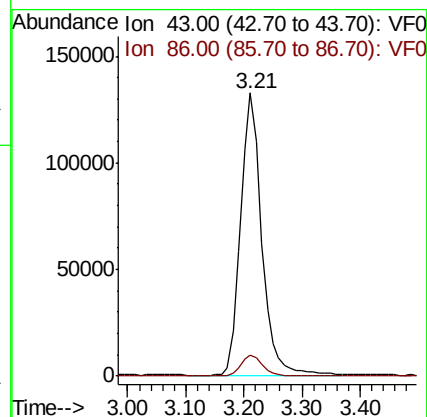
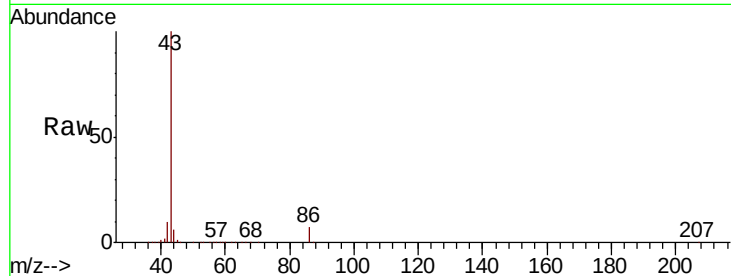
86 7.4 6.3 9.5

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#24

1,1-Dichloroethane

Concen: 22.188 ug/l

RT: 2.89 min Scan# 230

Delta R.T. 0.02 min

Lab File: VF061143.D

Acq: 22 Dec 2018 14:33

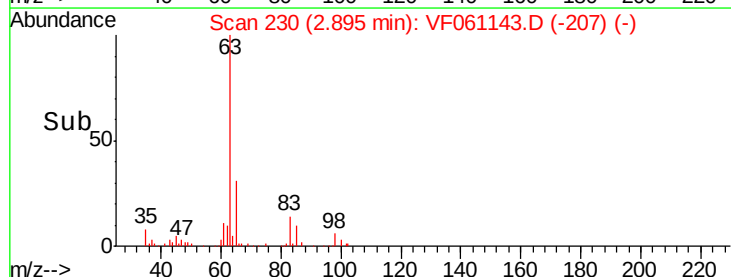
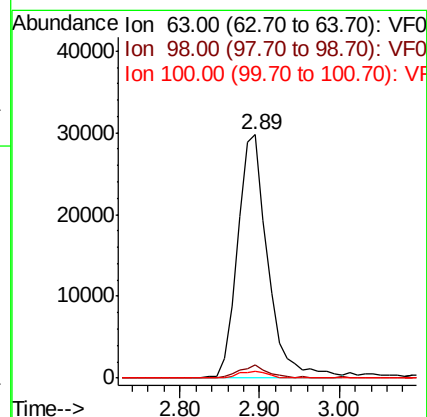
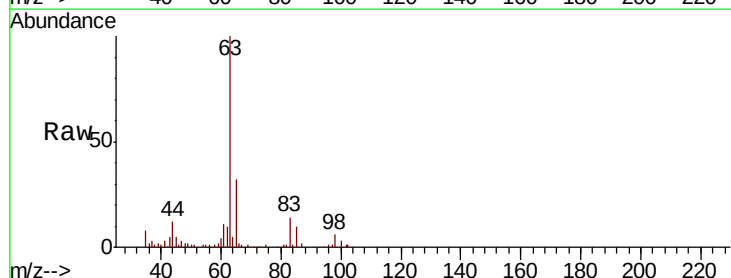
Tgt Ion: 63 Resp: 78539

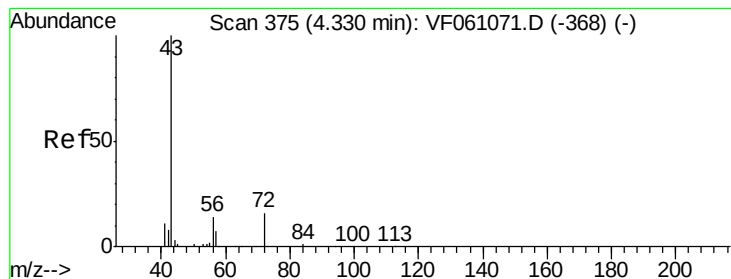
Ion Ratio Lower Upper

63 100

98 5.5 2.1 6.5

100 2.9 1.7 5.1





#25

2-Butanone

Concen: 120.201 ug/l

RT: 4.36 min Scan# 379

Delta R.T. 0.03 min

Lab File: VF061143.D

Acq: 22 Dec 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

VF1222SBS01

Tgt Ion: 43 Resp: 98000

Ion Ratio Lower Upper

43 100

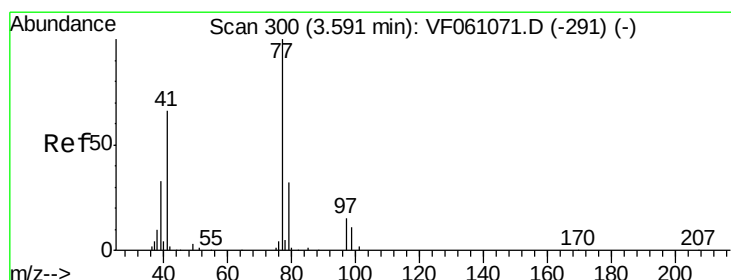
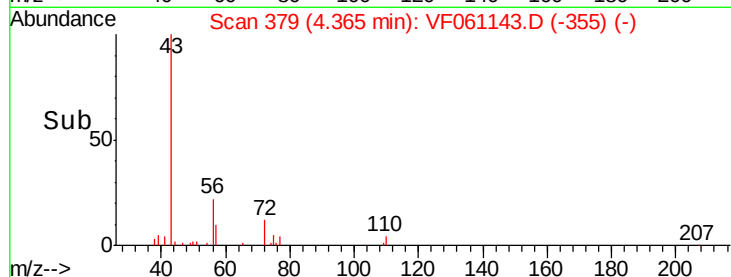
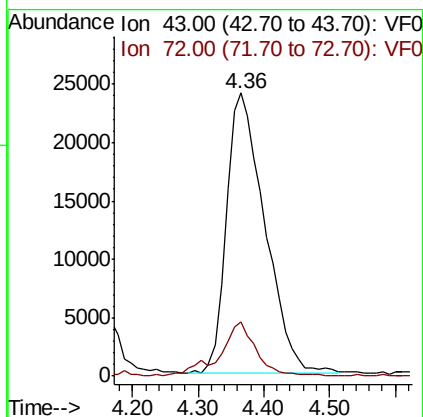
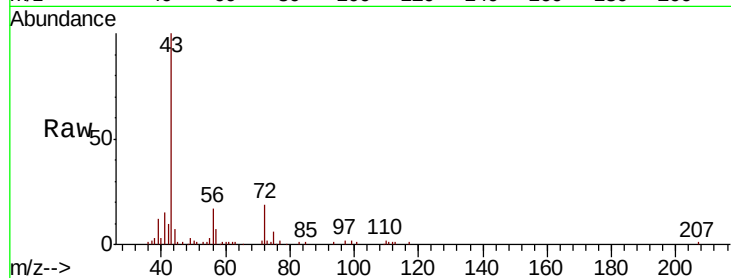
72 19.1 15.6 23.4

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#26

2,2-Dichloropropane

Concen: 21.514 ug/l

RT: 3.62 min Scan# 303

Delta R.T. 0.02 min

Lab File: VF061143.D

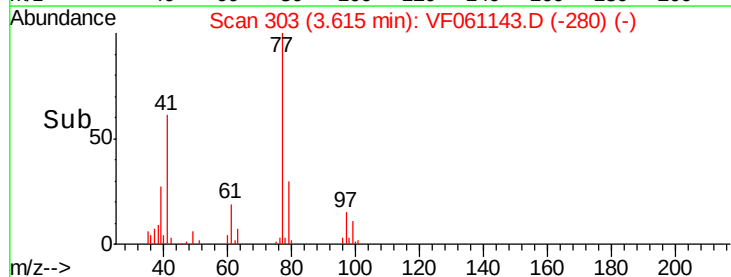
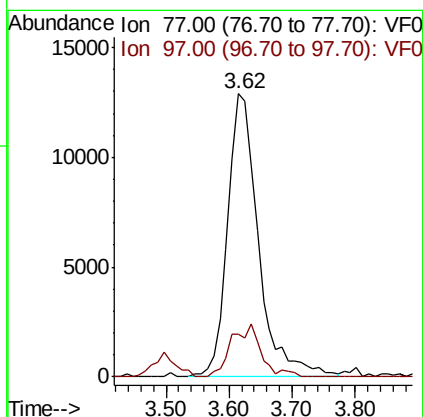
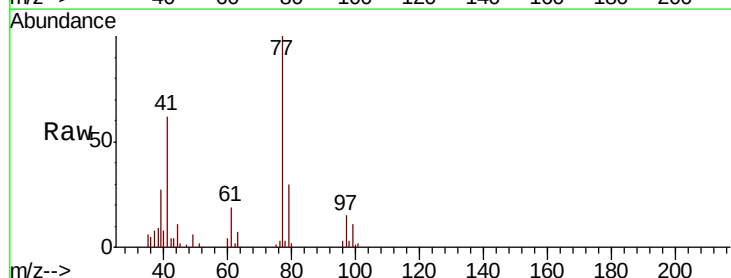
Acq: 22 Dec 2018 14:33

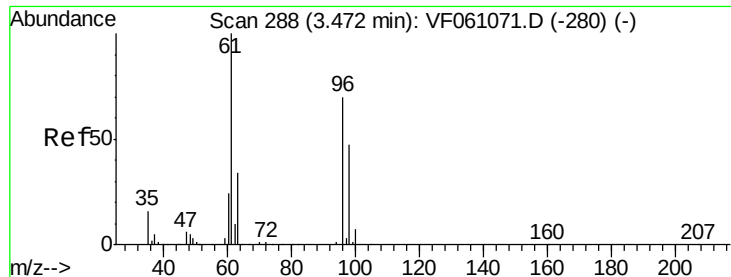
Tgt Ion: 77 Resp: 43704

Ion Ratio Lower Upper

77 100

97 15.3 8.2 24.4





#27

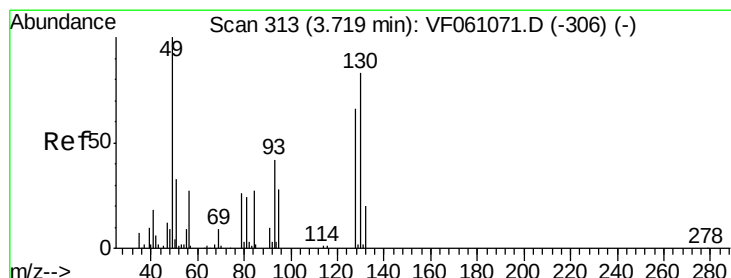
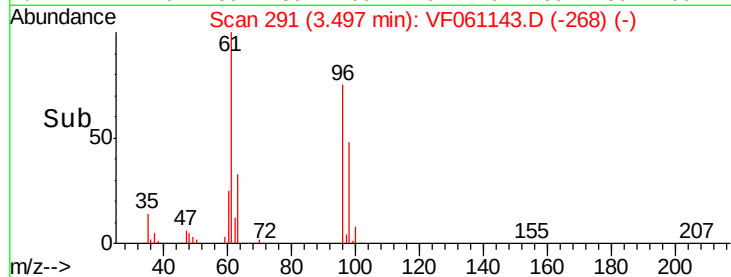
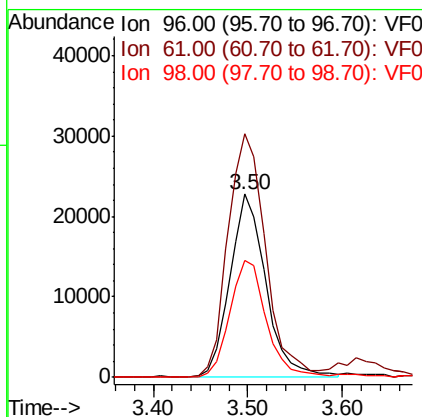
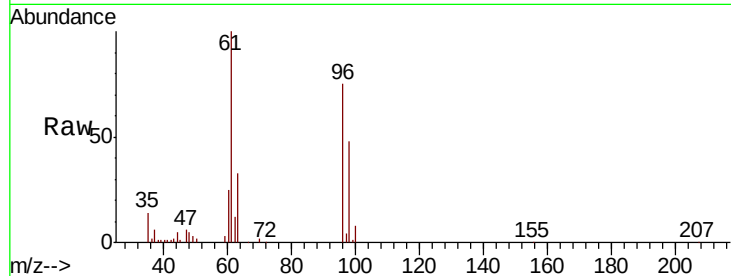
cis-1,2-Dichloroethene
 Concen: 21.368 ug/l
 RT: 3.50 min Scan# 291
 Delta R.T. 0.02 min
 Lab File: VF061143.D
 Acq: 22 Dec 2018 14:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1222SBSD01

Tgt Ion	Ratio	Resp Lower	Resp Upper
96	100		
61	133.1	0.0	287.8
98	64.2	0.0	134.2

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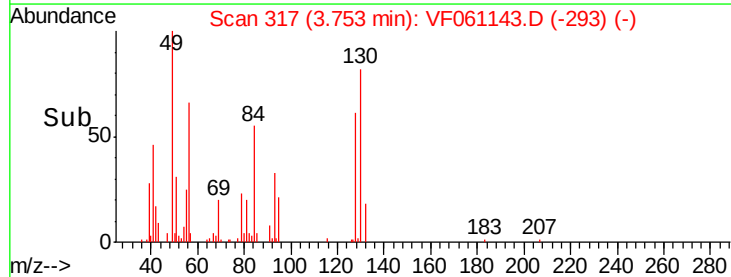
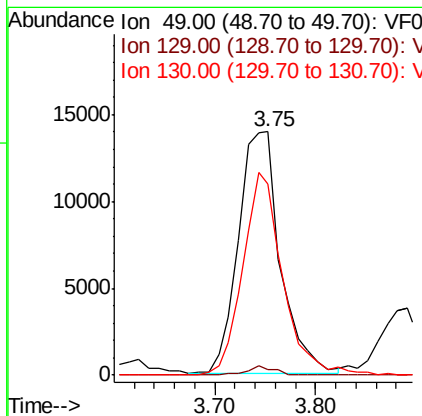
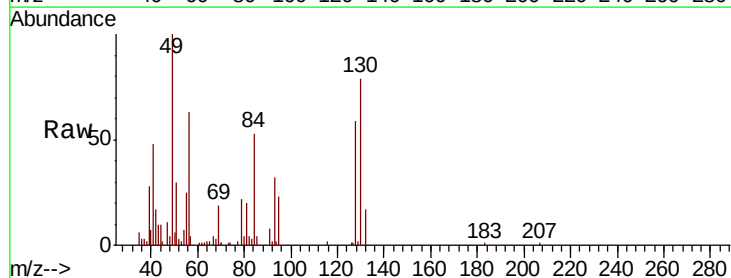
MMDadoda
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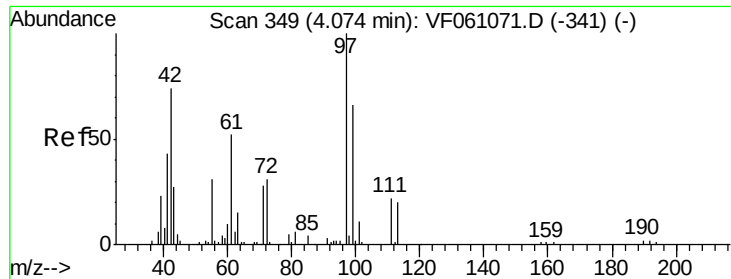


#28

Bromochloromethane
 Concen: 22.439 ug/l
 RT: 3.75 min Scan# 317
 Delta R.T. 0.03 min
 Lab File: VF061143.D
 Acq: 22 Dec 2018 14:33

Tgt Ion	Ratio	Resp Lower	Resp Upper
49	100		
129	2.0	0.0	3.6
130	78.7	65.8	98.6





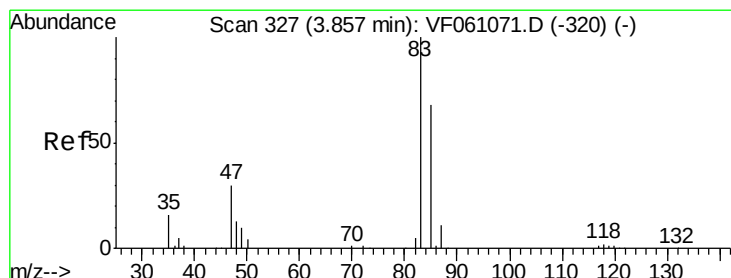
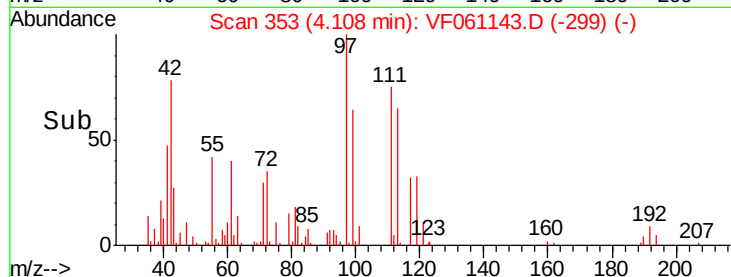
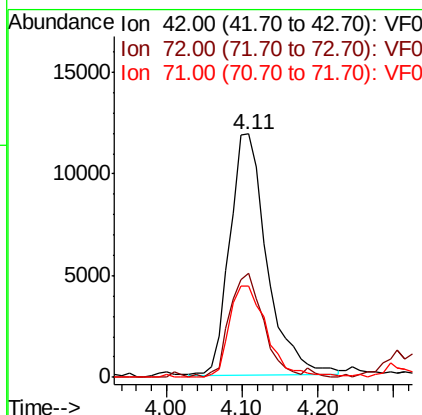
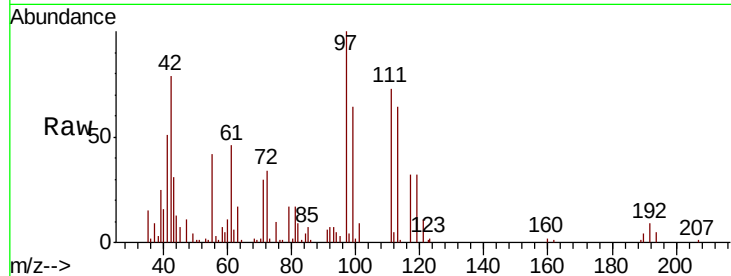
#29
Tetrahydrofuran
Concen: 121.849 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.03 min
Lab File: VF061143.D
Acq: 22 Dec 2018 14:33

Instrument :
MSVOA_F
ClientSampleId :
VF1222SBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	39.3	31.8	47.8
71	38.7	29.7	44.5

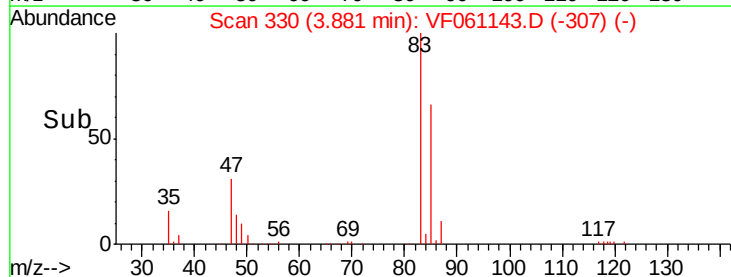
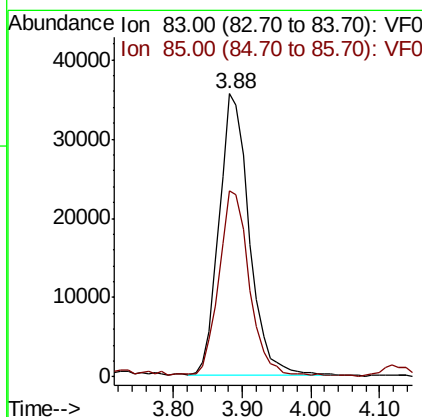
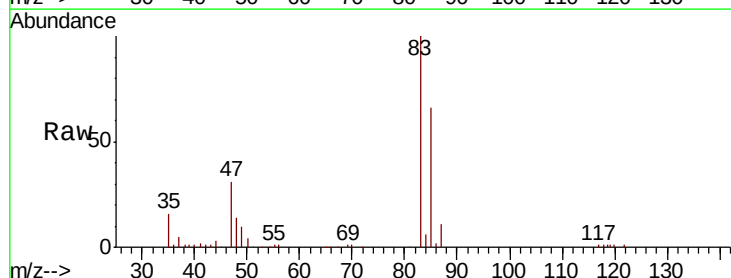
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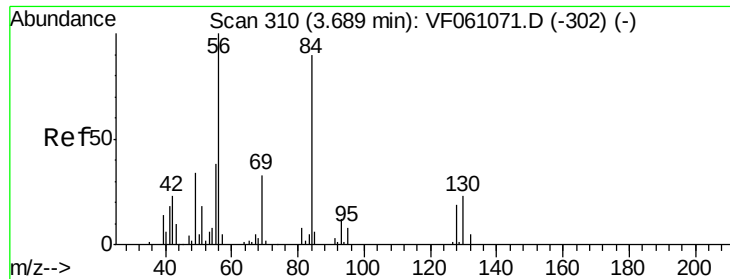
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#30
Chloroform
Concen: 20.375 ug/l
RT: 3.88 min Scan# 330
Delta R.T. 0.02 min
Lab File: VF061143.D
Acq: 22 Dec 2018 14:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	54.5	81.7





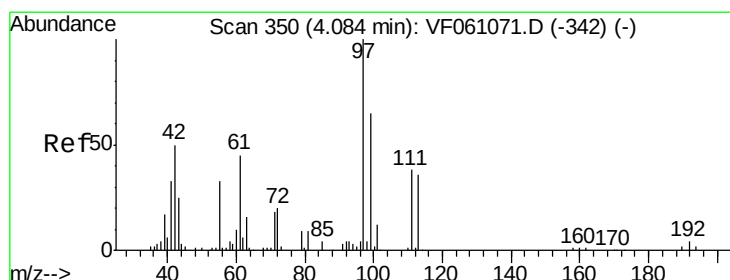
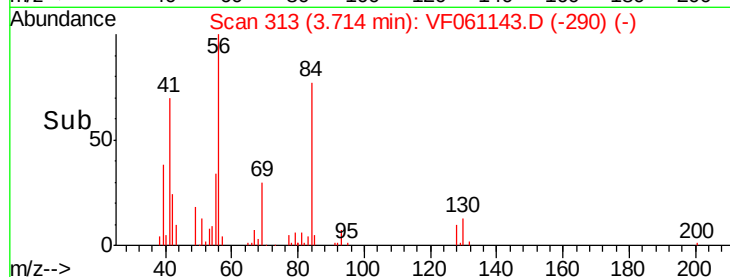
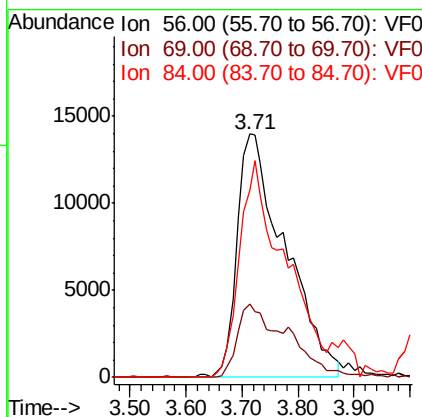
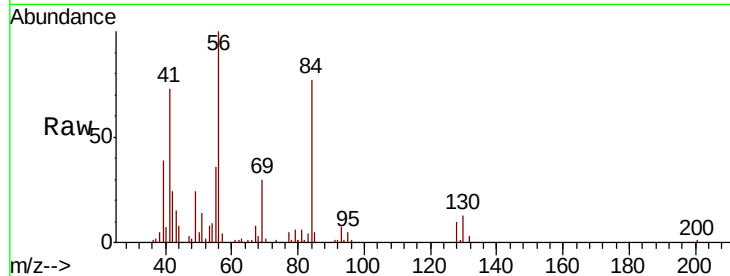
#31
Cyclohexane
Concen: 22.563 ug/l
RT: 3.71 min Scan# 313
Delta R.T. 0.02 min
Lab File: VF061143.D
Acq: 22 Dec 2018 14:33

Instrument :
MSVOA_F
ClientSampleId :
VF1222SBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.2	26.0	39.0
84	76.8	71.4	107.2

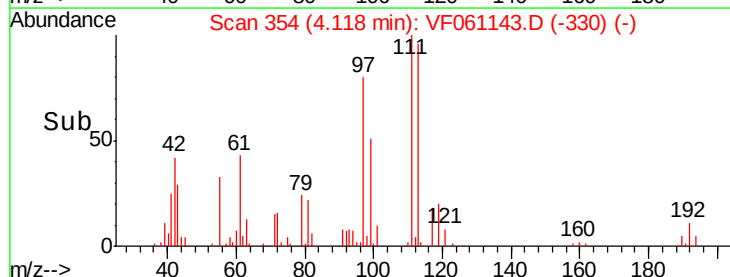
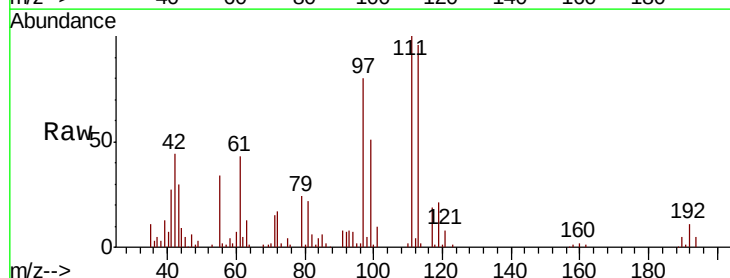
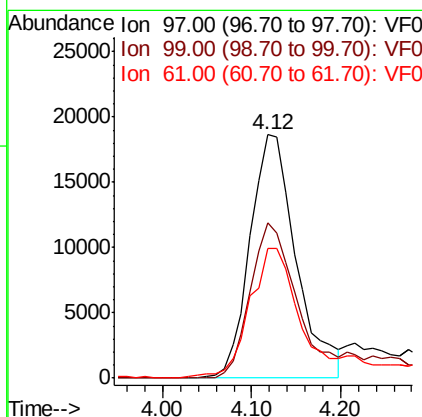
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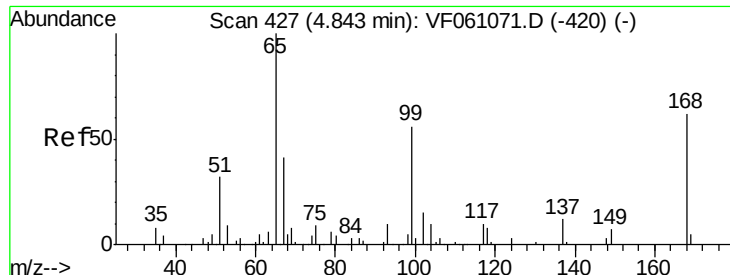
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#32
1,1,1-Trichloroethane
Concen: 21.091 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.03 min
Lab File: VF061143.D
Acq: 22 Dec 2018 14:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	53.3	36.2	54.2





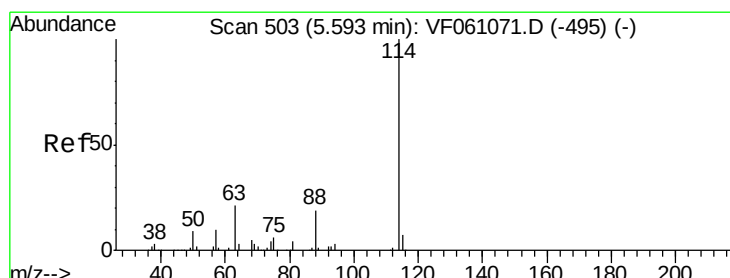
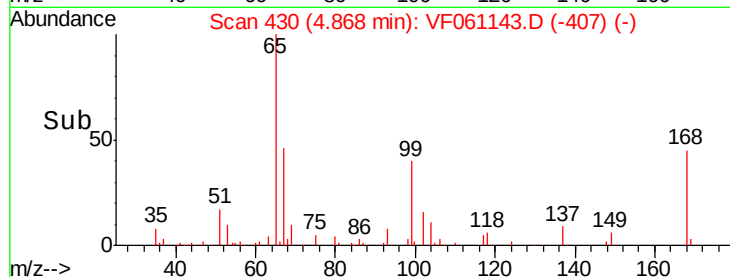
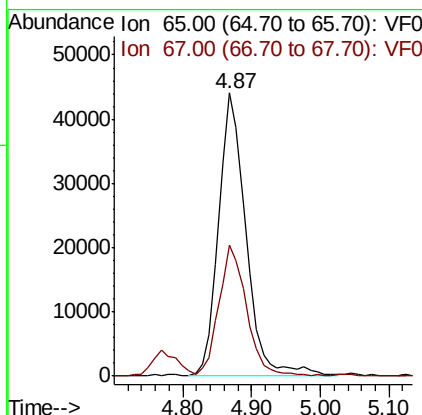
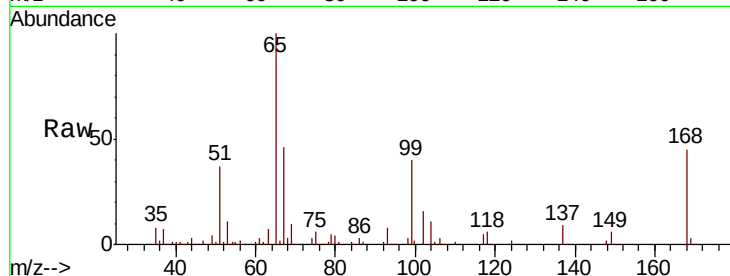
#33
 1,2-Dichloroethane-d4
 Concen: 48.701 ug/l
 RT: 4.87 min Scan# 430
 Delta R.T. 0.02 min
 Lab File: VF061143.D
 Acq: 22 Dec 2018 14:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1222SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	122467		
67	46.4	0.0	94.6	

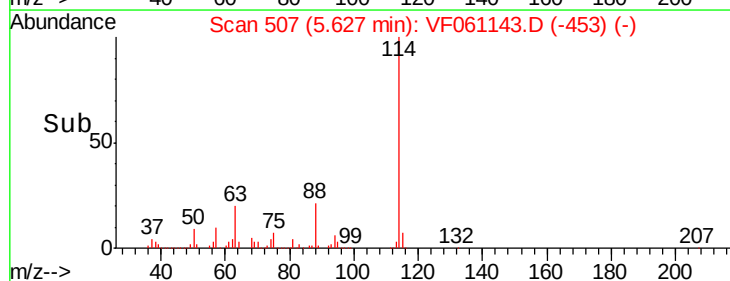
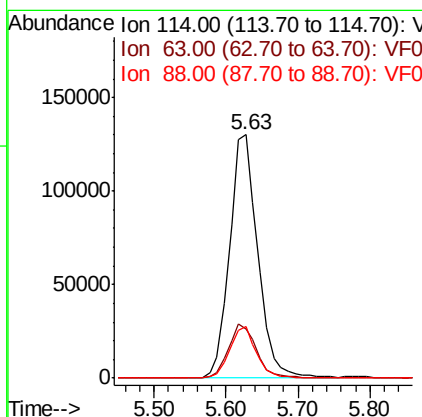
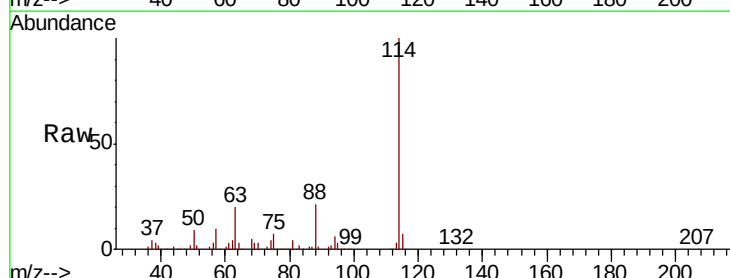
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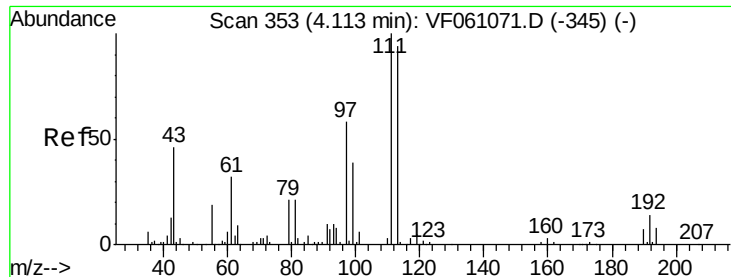
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 12/26/2018 11:05:08 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 507
 Delta R.T. 0.03 min
 Lab File: VF061143.D
 Acq: 22 Dec 2018 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	355333		
63	20.1	0.0	41.6	
88	21.0	0.0	38.0	





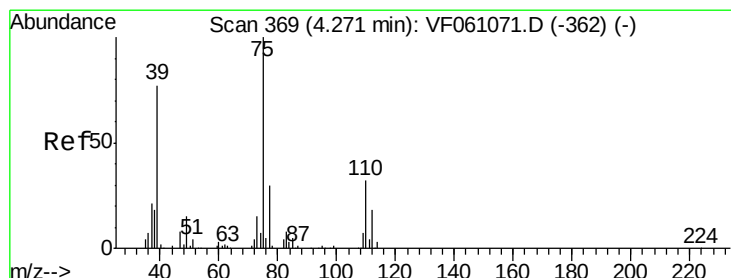
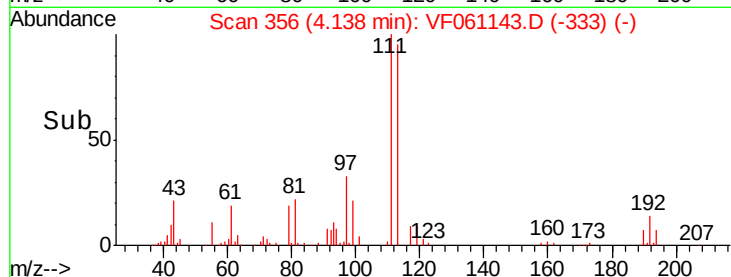
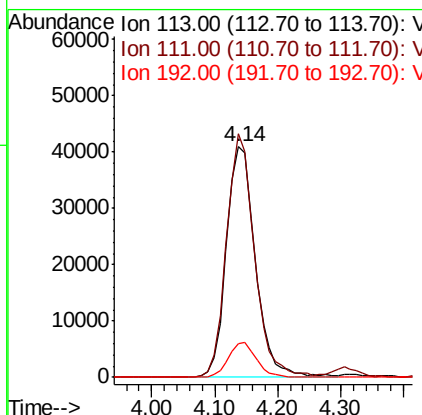
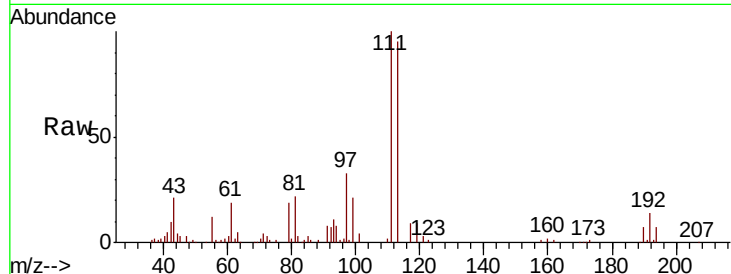
#35
 Dibromofluoromethane
 Concen: 45.905 ug/l
 RT: 4.14 min Scan# 356
 Delta R.T. 0.02 min
 Lab File: VF061143.D
 Acq: 22 Dec 2018 14:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1222SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	130665		
111	105.7	85.2	127.8	
192	14.9	12.8	19.2	

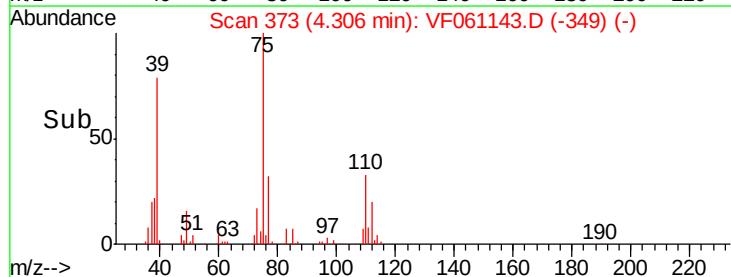
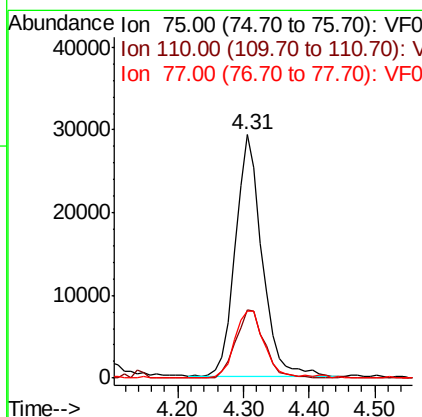
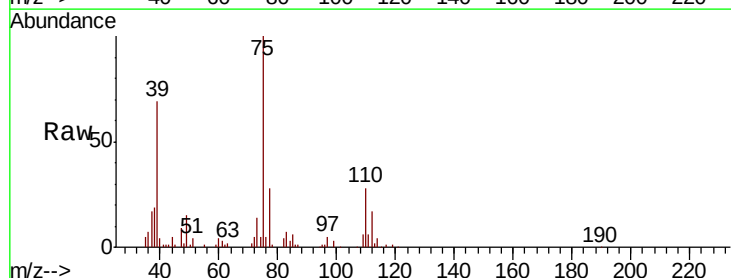
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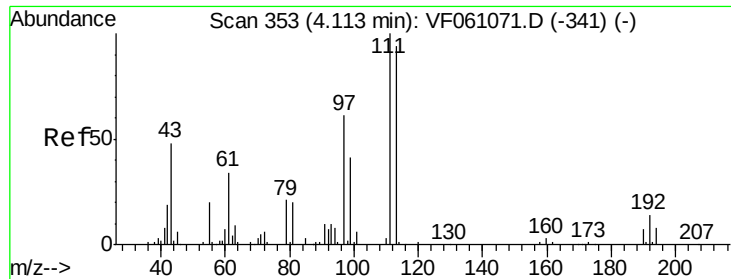
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#36
 1,1-Dichloropropene
 Concen: 19.471 ug/l
 RT: 4.31 min Scan# 373
 Delta R.T. 0.03 min
 Lab File: VF061143.D
 Acq: 22 Dec 2018 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	83512		
110	27.9	16.1	48.2	
77	27.5	24.5	36.7	





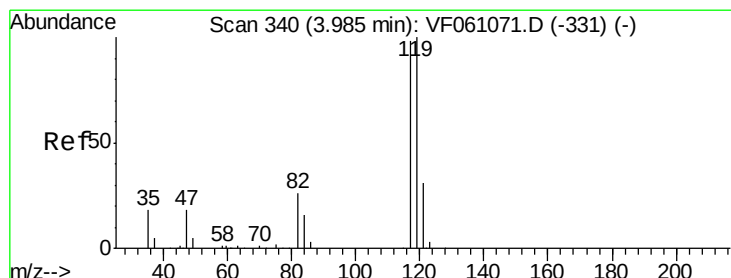
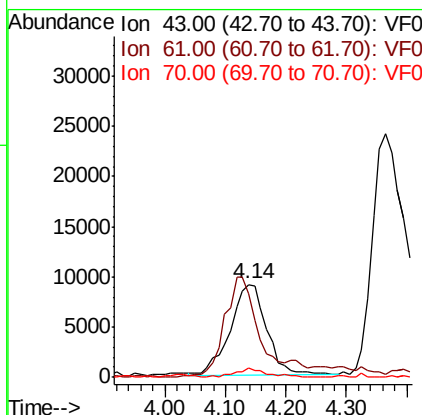
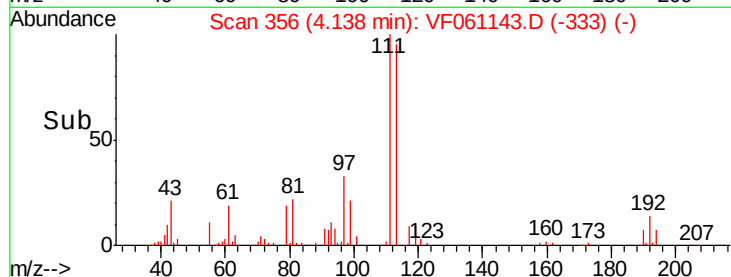
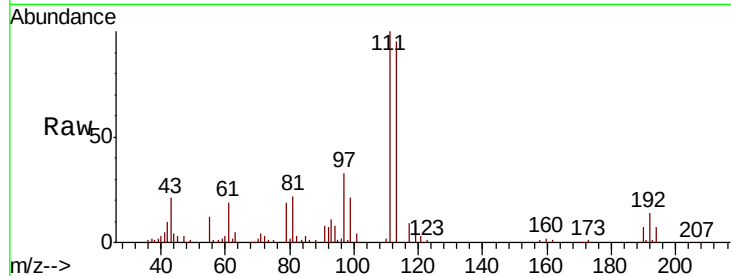
#37
Ethyl Acetate
Concen: 20.433 ug/l
RT: 4.14 min Scan# 356
Delta R.T. 0.02 min
Lab File: VF061143.D
Acq: 22 Dec 2018 14:33

Instrument :
MSVOA_F
ClientSampleId :
VF1222SBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	89.7	56.6	84.8#
70	9.6	6.3	9.5#

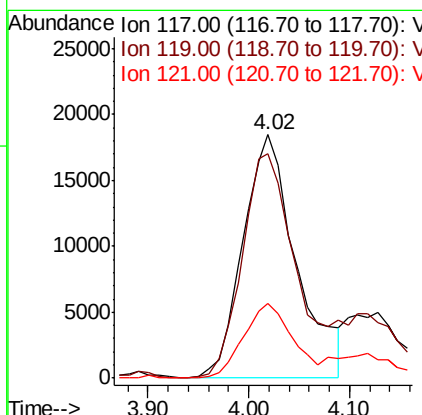
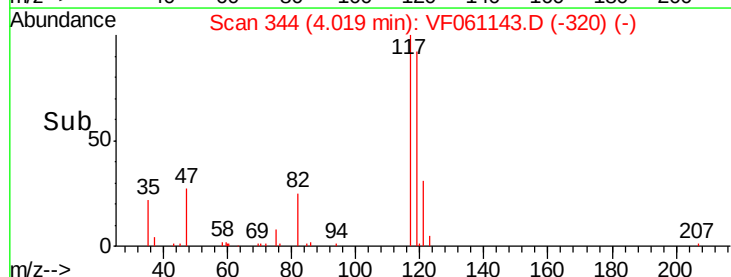
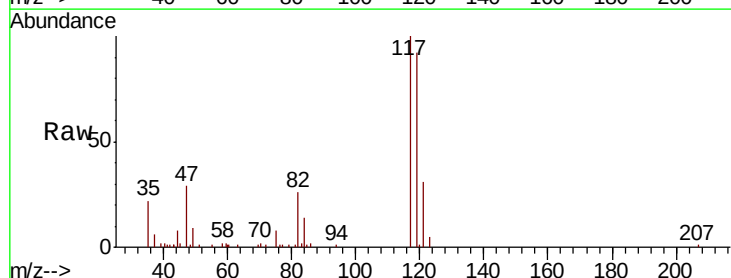
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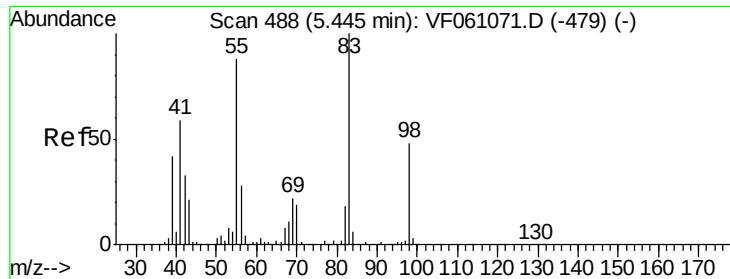
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#38
Carbon Tetrachloride
Concen: 20.833 ug/l
RT: 4.02 min Scan# 344
Delta R.T. 0.03 min
Lab File: VF061143.D
Acq: 22 Dec 2018 14:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.1	82.1	123.1
121	30.9	25.5	38.3





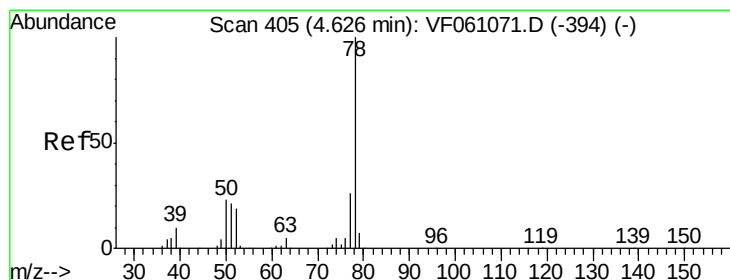
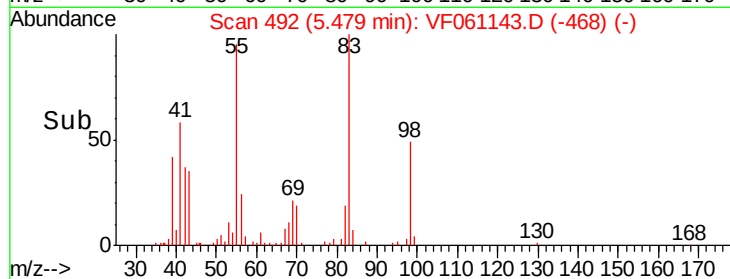
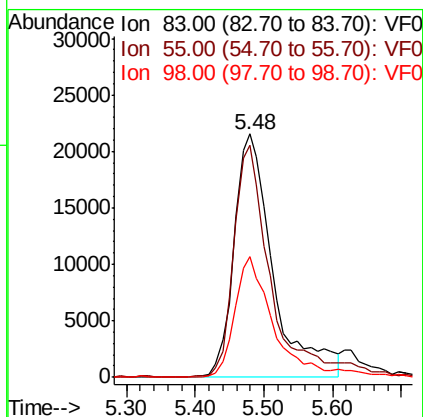
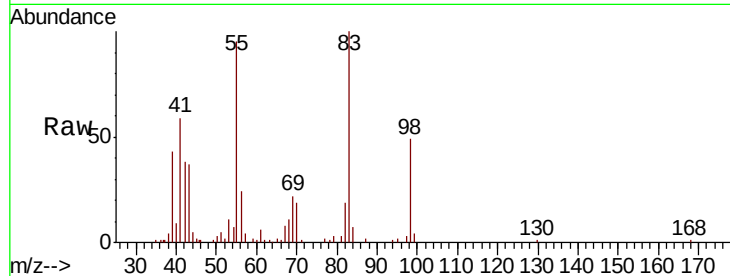
#39
Methylcyclohexane
Concen: 22.156 ug/l
RT: 5.48 min Scan# 492
Delta R.T. 0.03 min
Lab File: VF061143.D
Acq: 22 Dec 2018 14:33

Instrument :
MSVOA_F
ClientSampleId :
VF1222SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	85254		
55	95.1	70.6	105.8	
98	49.4	38.5	57.7	

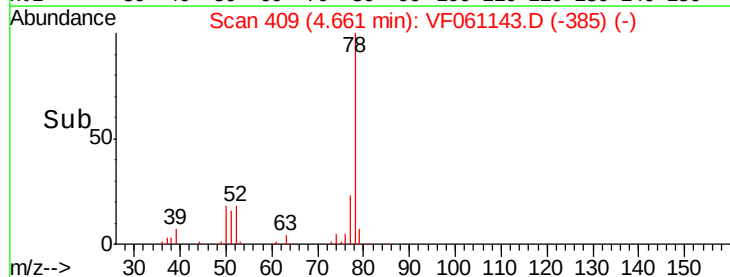
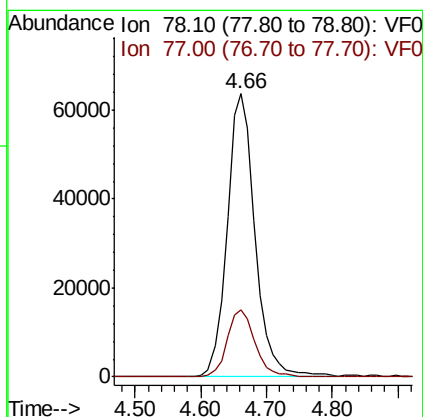
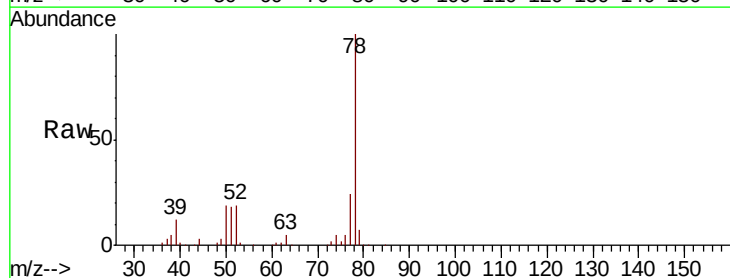
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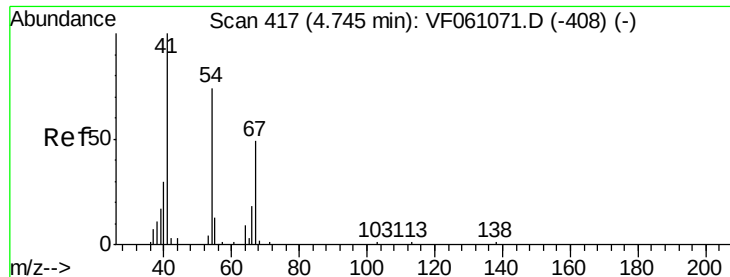
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#40
Benzene
Concen: 20.494 ug/l
RT: 4.66 min Scan# 409
Delta R.T. 0.03 min
Lab File: VF061143.D
Acq: 22 Dec 2018 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	189032		
77	23.6	20.7	31.1	





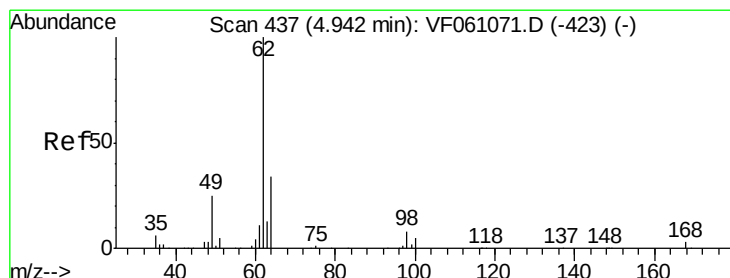
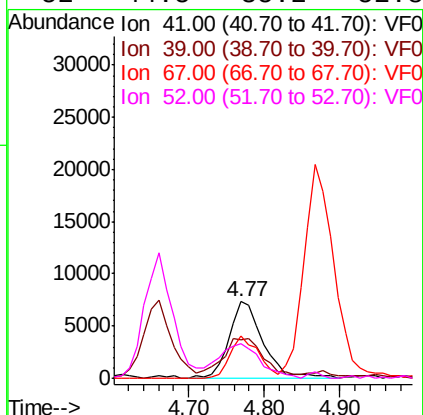
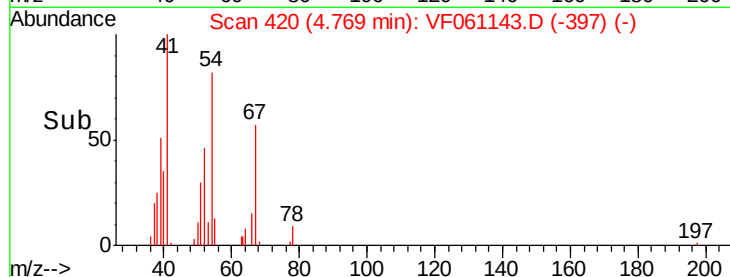
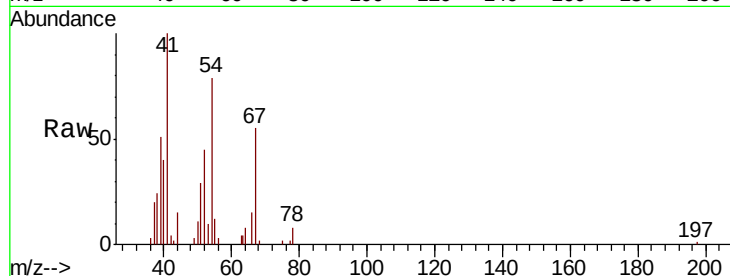
#41
Methacrylonitrile
Concen: 25.290 ug/l
RT: 4.77 min Scan# 420
Delta R.T. 0.02 min
Lab File: VF061143.D
Acq: 22 Dec 2018 14:33

Instrument :
MSVOA_F
ClientSampleId :
VF1222SBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	50.5	45.7	68.5
67	54.8	38.9	58.3
52	44.5	35.2	52.8

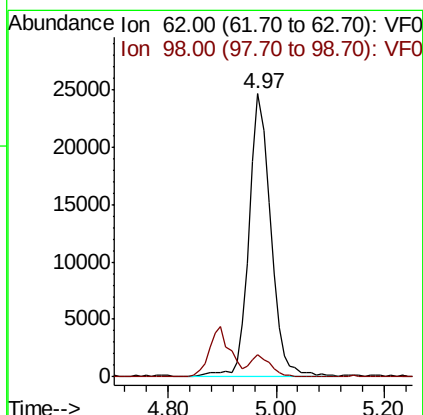
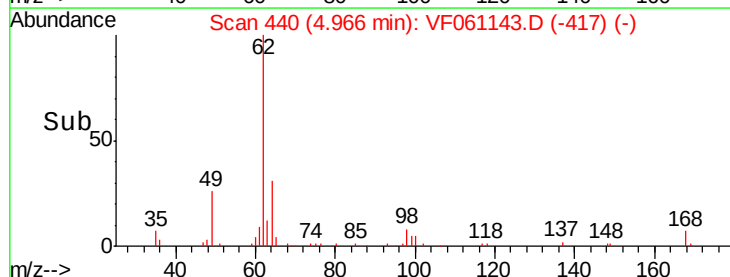
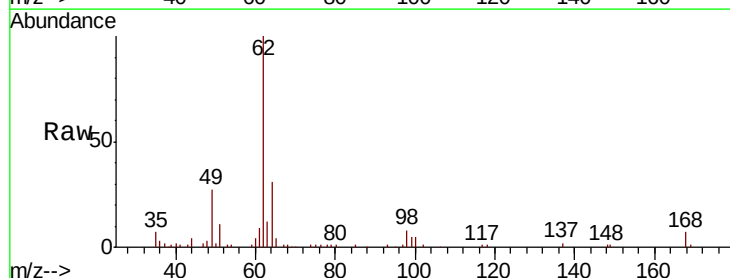
Manual Integrations
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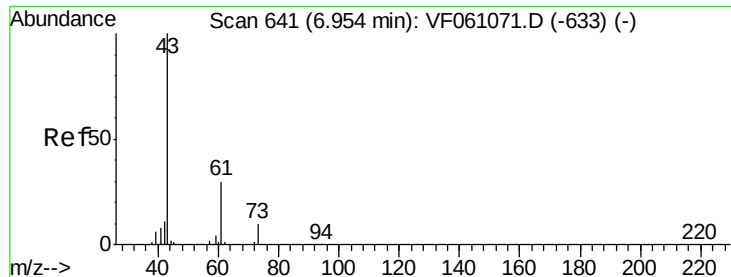
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#42
1,2-Dichloroethane
Concen: 19.732 ug/l
RT: 4.97 min Scan# 440
Delta R.T. 0.02 min
Lab File: VF061143.D
Acq: 22 Dec 2018 14:33

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	16.6





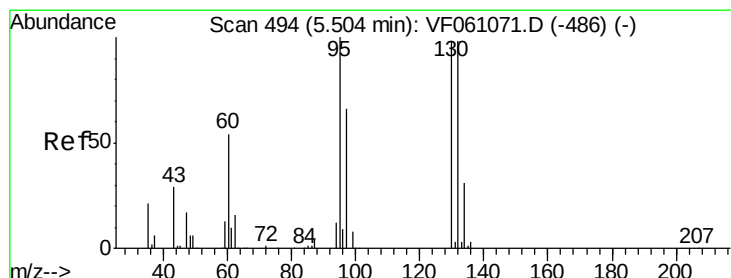
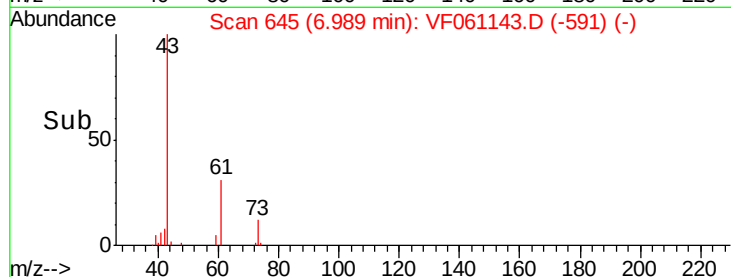
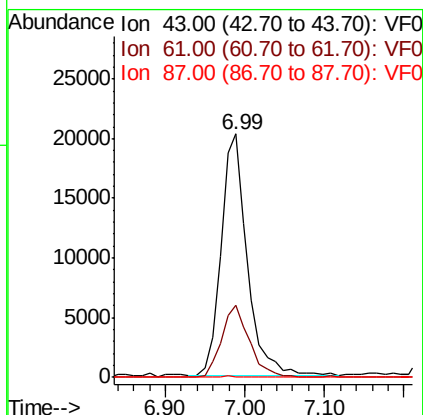
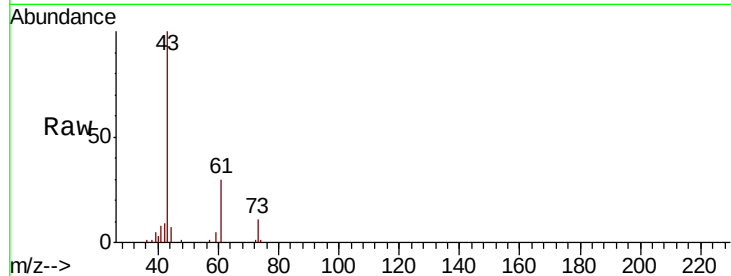
#43
Isopropyl Acetate
Concen: 22.758 ug/l
RT: 6.99 min Scan# 645
Delta R.T. 0.03 min
Lab File: VF061143.D
Acq: 22 Dec 2018 14:33

Instrument :
MSVOA_F
ClientSampleId :
VF1222SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	29.8	23.8	35.8
87	0.0	0.0	0.0

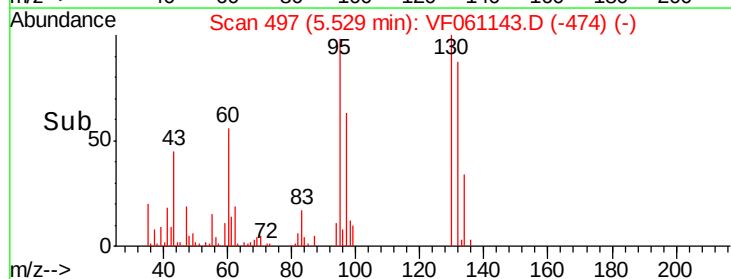
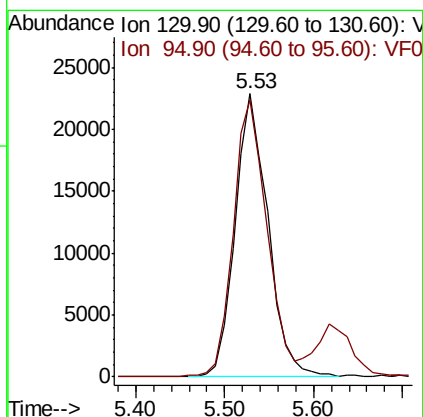
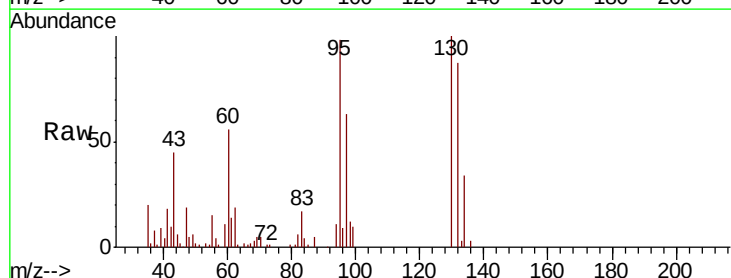
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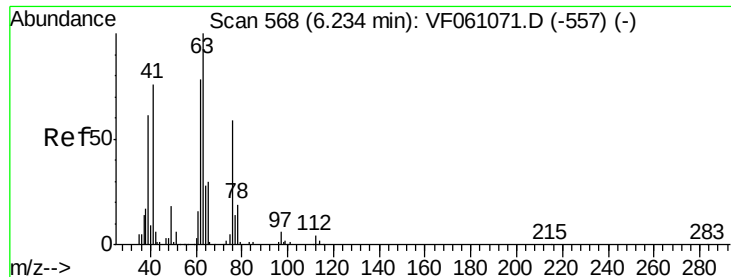
MMDadoda
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#44
Trichloroethene
Concen: 20.162 ug/l
RT: 5.53 min Scan# 497
Delta R.T. 0.02 min
Lab File: VF061143.D
Acq: 22 Dec 2018 14:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	205.2





#45

1,2-Dichloropropane

Concen: 19.698 ug/l

RT: 6.26 min Scan# 571

Delta R.T. 0.02 min

Lab File: VF061143.D

Acq: 22 Dec 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

VF1222SBS01

Tgt Ion: 63 Resp: 49432

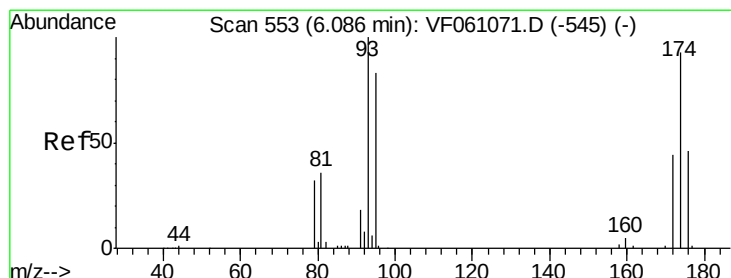
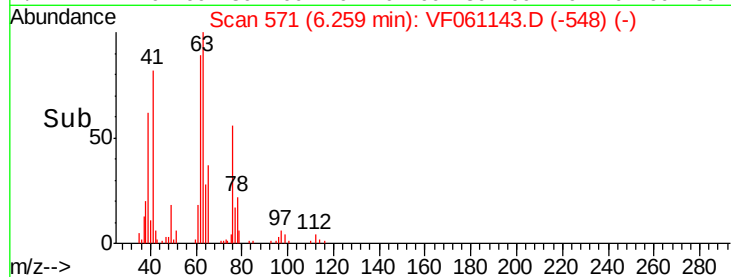
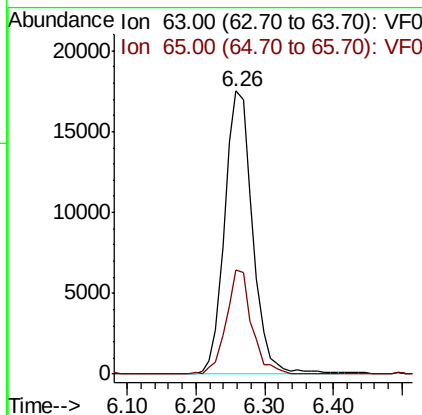
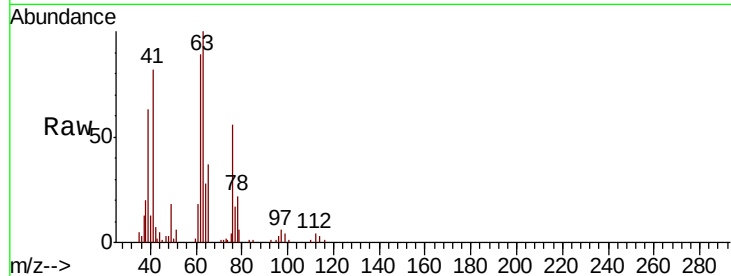
Ion Ratio Lower Upper

63 100

65 37.0 24.4 36.6#

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#46

Dibromomethane

Concen: 19.955 ug/l

RT: 6.11 min Scan# 556

Delta R.T. 0.02 min

Lab File: VF061143.D

Acq: 22 Dec 2018 14:33

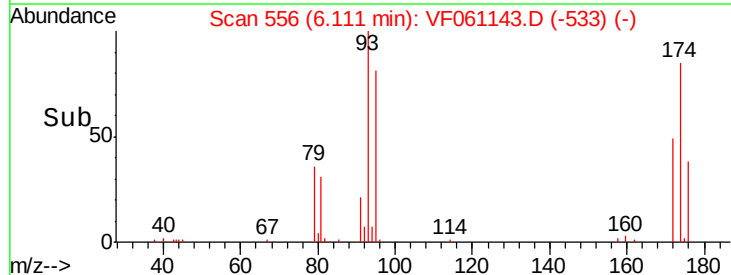
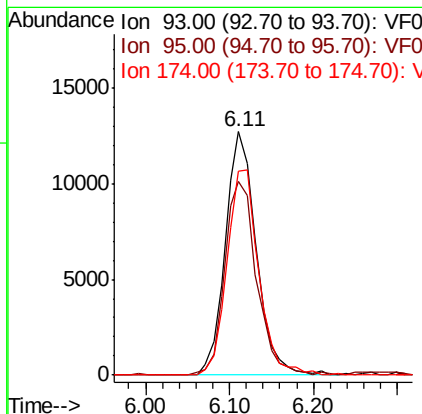
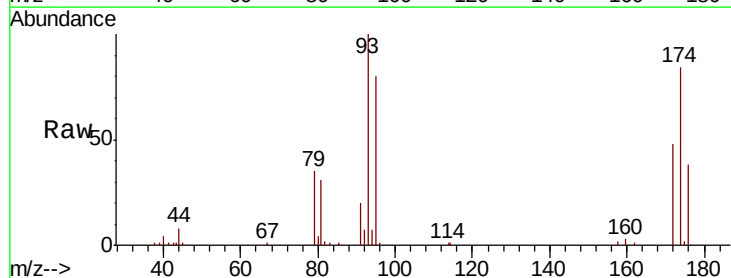
Tgt Ion: 93 Resp: 32479

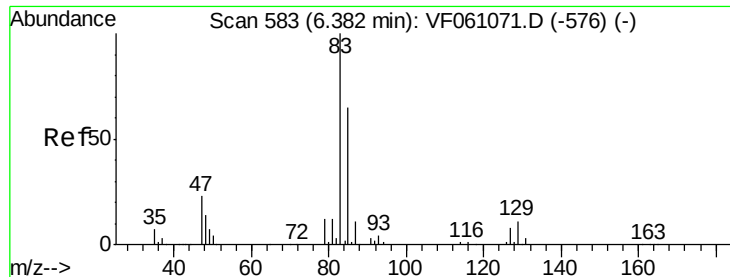
Ion Ratio Lower Upper

93 100

95 79.8 66.9 100.3

174 85.9 74.1 111.1





#47

Bromodichloromethane

Concen: 20.447 ug/l

RT: 6.42 min Scan# 587

Delta R.T. 0.03 min

Lab File: VF061143.D

Acq: 22 Dec 2018 14:33

Instrument :

MSVOA_F

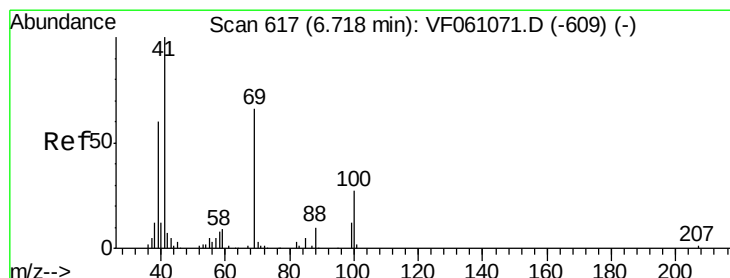
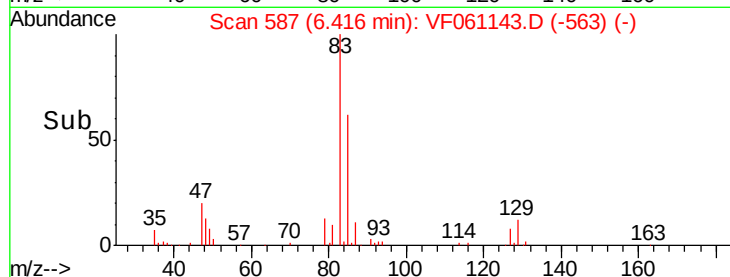
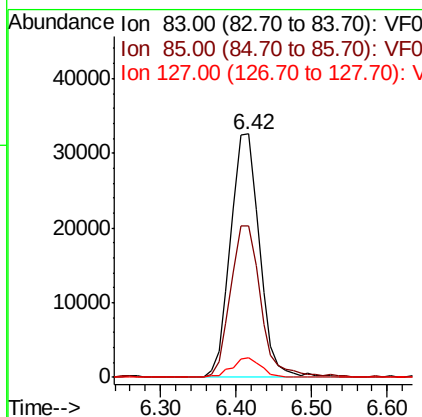
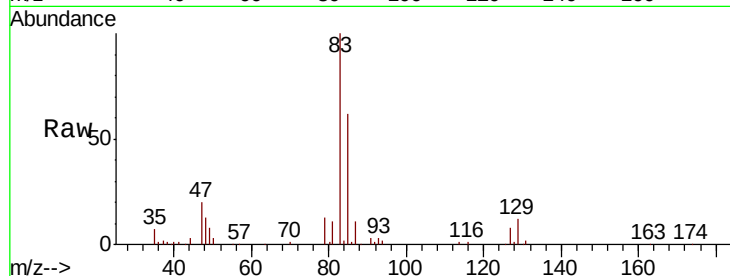
ClientSampleId :

VF1222SBS01

Tgt Ion:	83	Resp:	86470
Ion	Ratio	Lower	Upper
83	100		
85	62.2	52.2	78.4
127	8.2	6.1	9.1

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#48

Methyl methacrylate

Concen: 21.141 ug/l

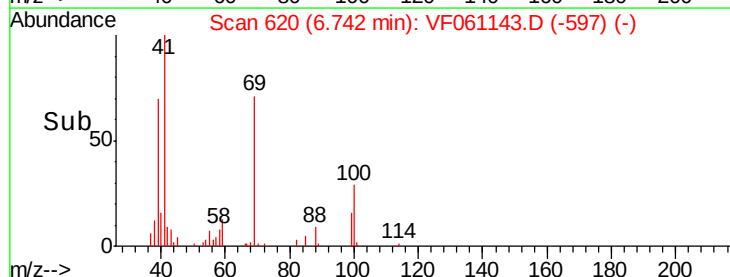
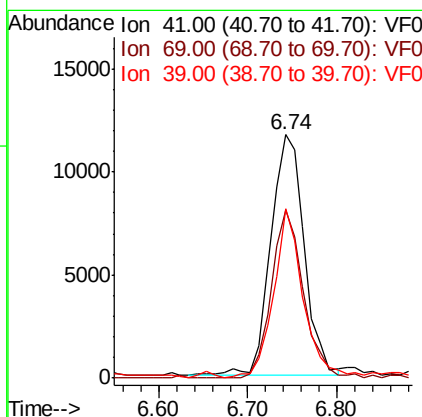
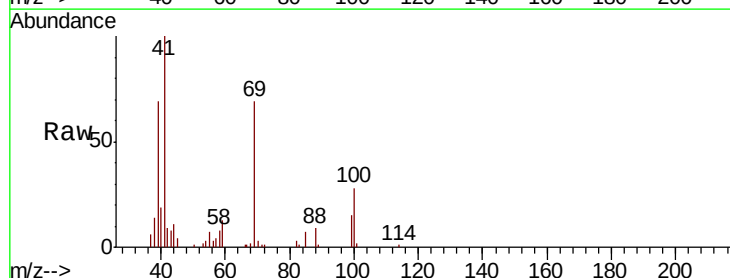
RT: 6.74 min Scan# 620

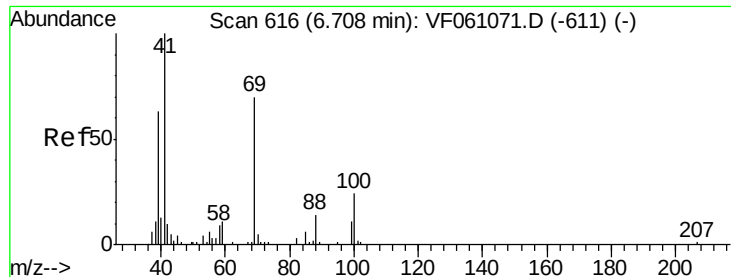
Delta R.T. 0.02 min

Lab File: VF061143.D

Acq: 22 Dec 2018 14:33

Tgt Ion:	41	Resp:	30565
Ion	Ratio	Lower	Upper
41	100		
69	68.8	52.7	79.1
39	69.5	47.8	71.6





#49

1,4-Dioxane

Concen: 433.629 ug/l

RT: 6.73 min Scan# 619

Delta R.T. 0.02 min

Lab File: VF061143.D

Acq: 22 Dec 2018 14:33

Instrument :

MSVOA_F

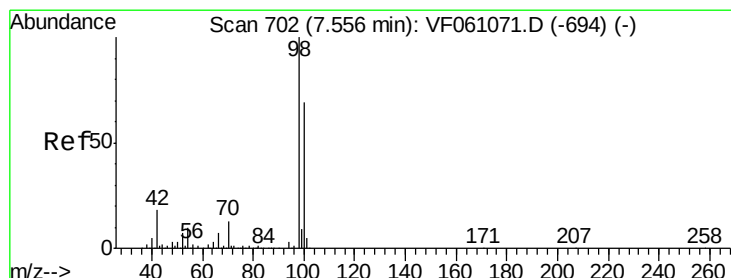
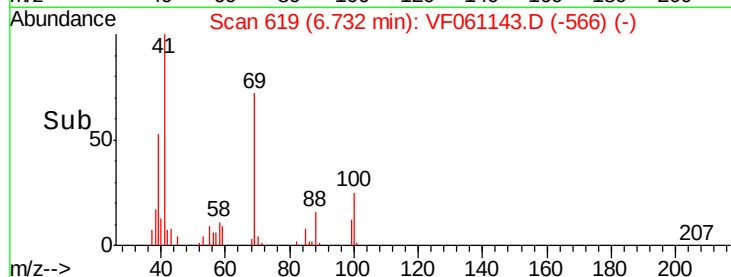
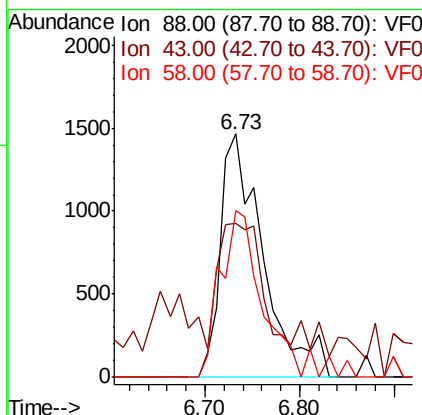
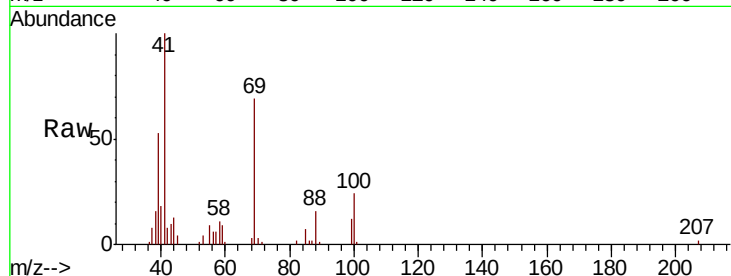
ClientSampleId :

VF1222SBS01

Tgt Ion:	88	Resp:	4549
Ion	Ratio	Lower	Upper
88	100		
43	63.3	33.3	49.9#
58	68.5	53.2	79.8

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#50

Toluene-d8

Concen: 44.722 ug/l

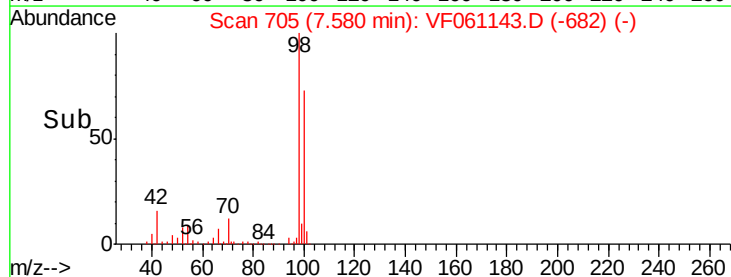
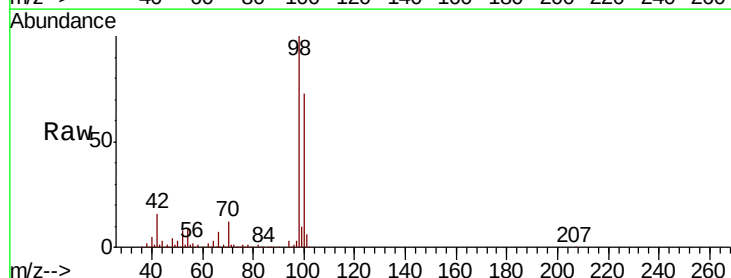
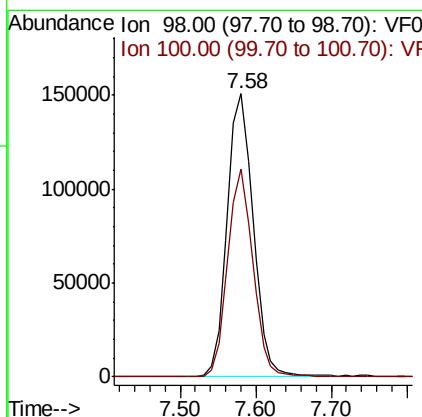
RT: 7.58 min Scan# 705

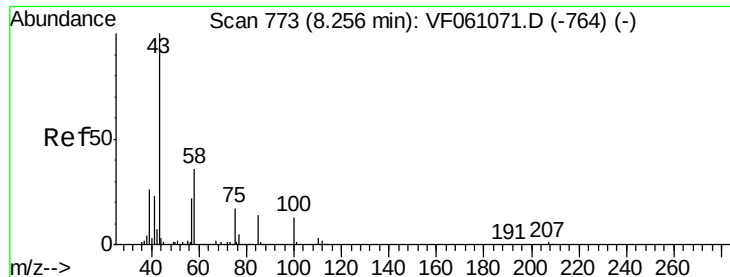
Delta R.T. 0.02 min

Lab File: VF061143.D

Acq: 22 Dec 2018 14:33

Tgt Ion:	98	Resp:	360749
Ion	Ratio	Lower	Upper
98	100		
100	73.4	55.3	82.9





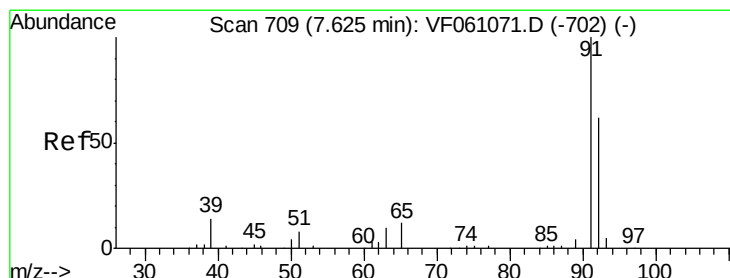
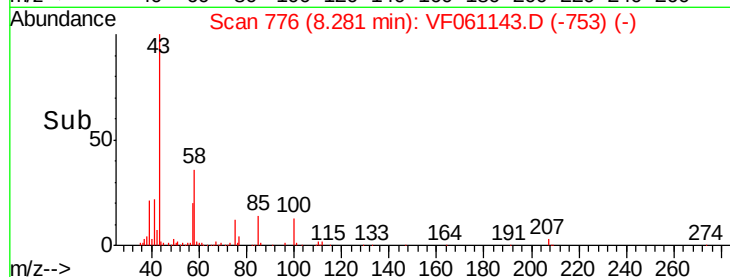
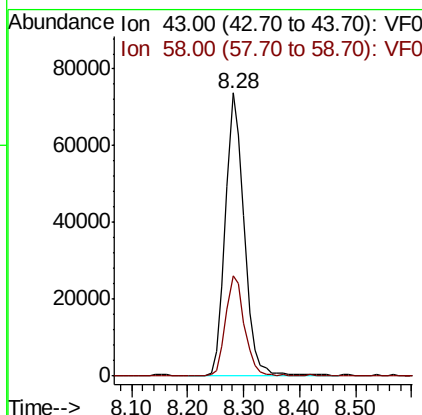
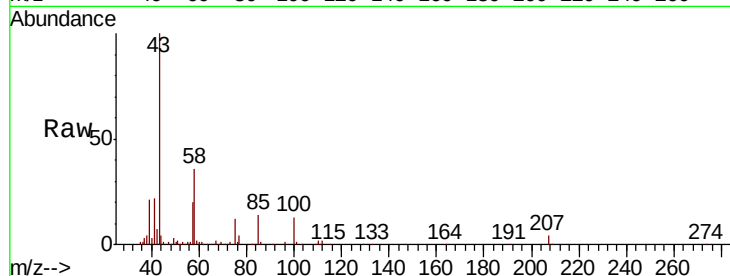
#51
 4-Methyl-2-Pentanone
 Concen: 122.472 ug/l
 RT: 8.28 min Scan# 776
 Delta R.T. 0.02 min
 Lab File: VF061143.D
 Acq: 22 Dec 2018 14:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1222SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.6	29.1	43.7

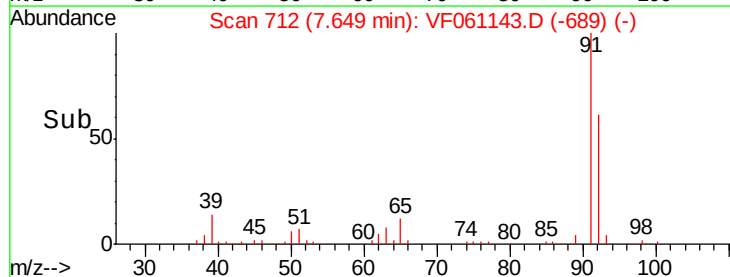
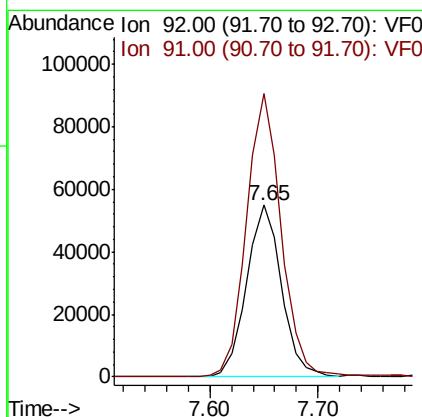
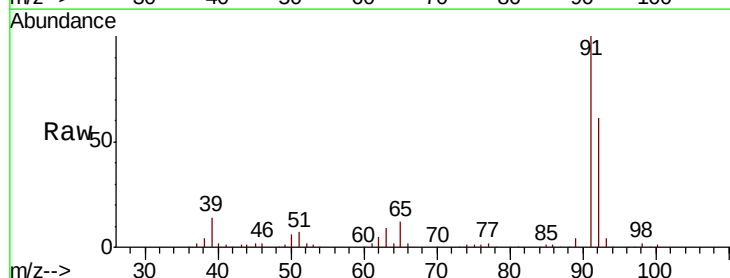
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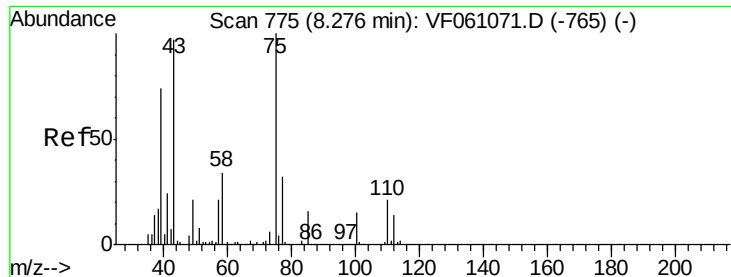
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#52
 Toluene
 Concen: 20.202 ug/l
 RT: 7.65 min Scan# 712
 Delta R.T. 0.02 min
 Lab File: VF061143.D
 Acq: 22 Dec 2018 14:33

Tgt Ion	Ratio	Lower	Upper
92	100		
91	165.0	128.8	193.2





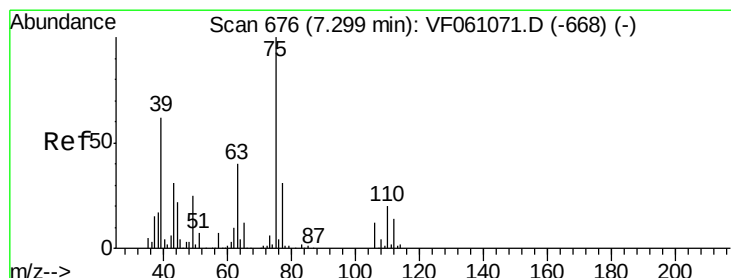
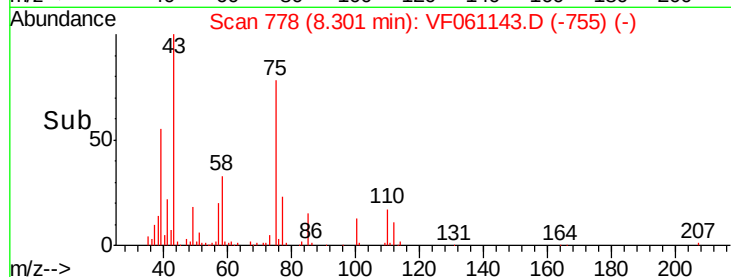
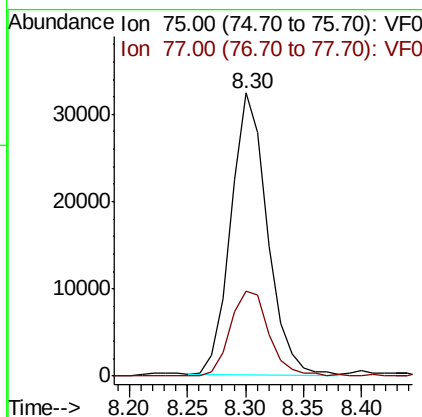
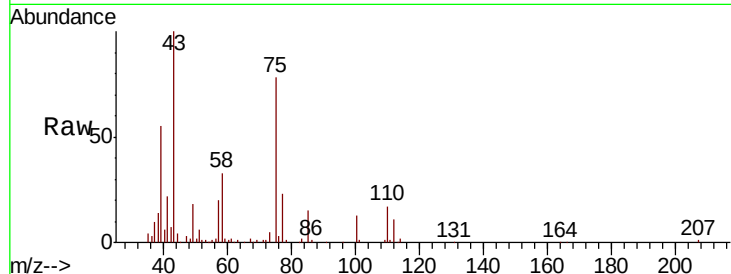
#53
 t-1,3-Dichloropropene
 Concen: 20.527 ug/l
 RT: 8.30 min Scan# 778
 Delta R.T. 0.02 min
 Lab File: VF061143.D
 Acq: 22 Dec 2018 14:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1222SBS01

Tgt Ion: 75 Resp: 70028
 Ion Ratio Lower Upper
 75 100
 77 30.1 25.8 38.8

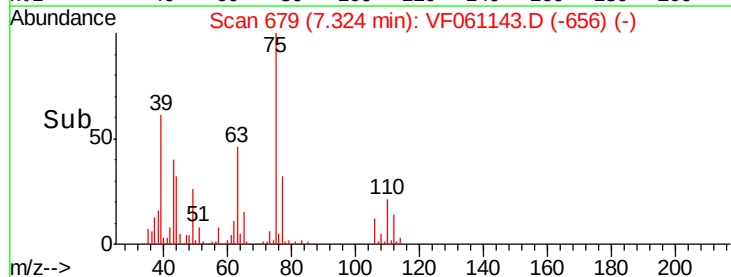
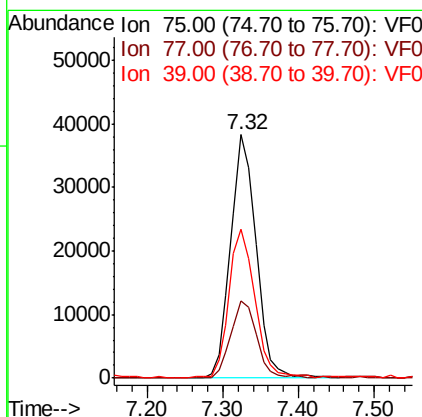
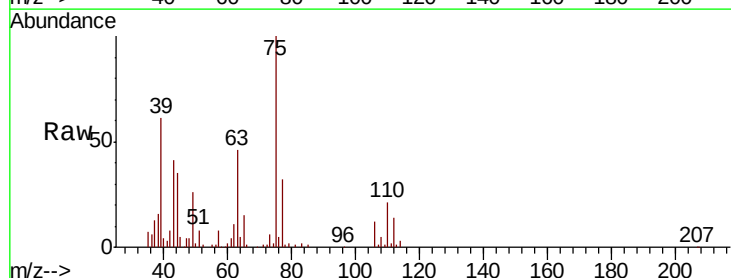
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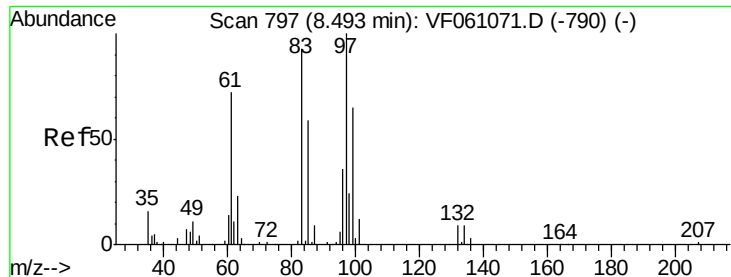
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#54
 cis-1,3-Dichloropropene
 Concen: 20.981 ug/l
 RT: 7.32 min Scan# 679
 Delta R.T. 0.02 min
 Lab File: VF061143.D
 Acq: 22 Dec 2018 14:33

Tgt Ion: 75 Resp: 89837
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.0 37.4
 39 61.4 50.1 75.1





#55

1,1,2-Trichloroethane

Concen: 20.893 ug/l

RT: 8.52 min Scan# 800

Delta R.T. 0.02 min

Lab File: VF061143.D

Acq: 22 Dec 2018 14:33

Instrument :

MSVOA_F

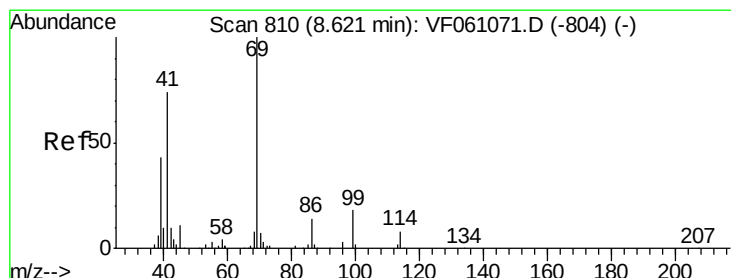
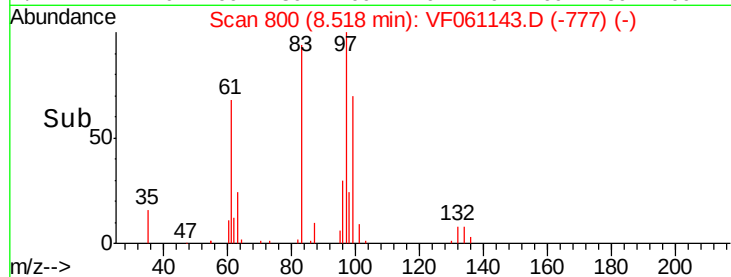
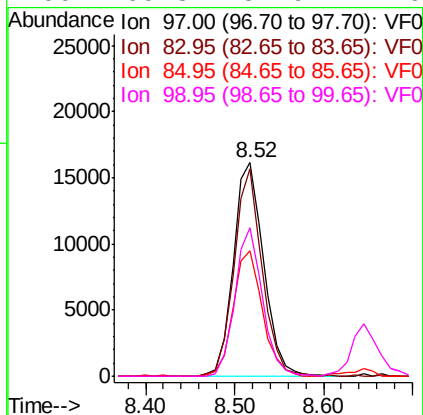
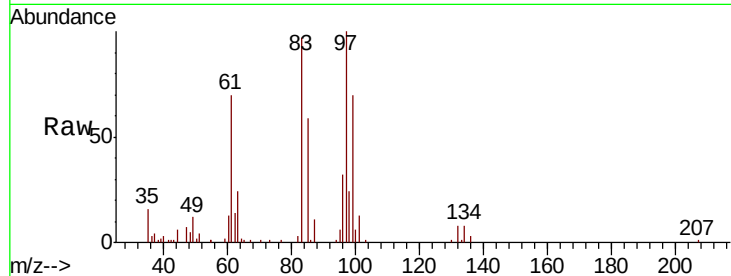
ClientSampleId :

VF1222SBS01

Tgt Ion:	97	Resp:	38242
Ion	Ratio	Lower	Upper
97	100		
83	97.3	75.0	112.4
85	58.5	47.5	71.3
99	69.8	51.9	77.9

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#56

Ethyl methacrylate

Concen: 21.670 ug/l

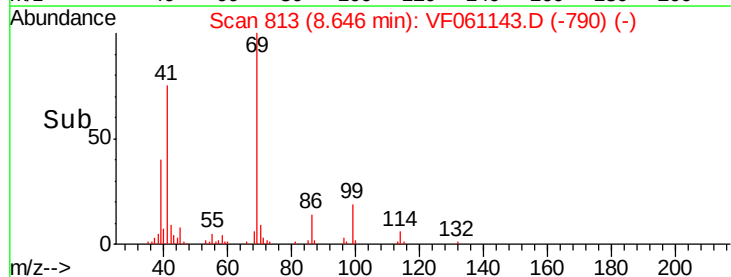
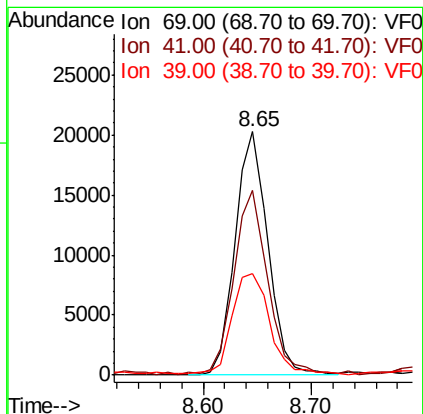
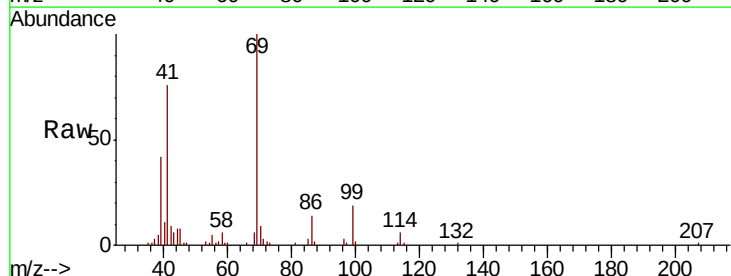
RT: 8.65 min Scan# 813

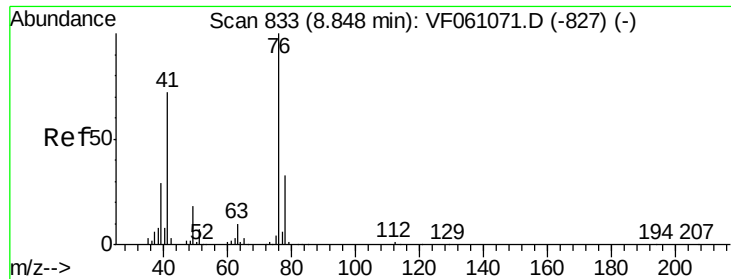
Delta R.T. 0.02 min

Lab File: VF061143.D

Acq: 22 Dec 2018 14:33

Tgt Ion:	69	Resp:	42920
Ion	Ratio	Lower	Upper
69	100		
41	76.1	59.7	89.5
39	41.8	35.0	52.6





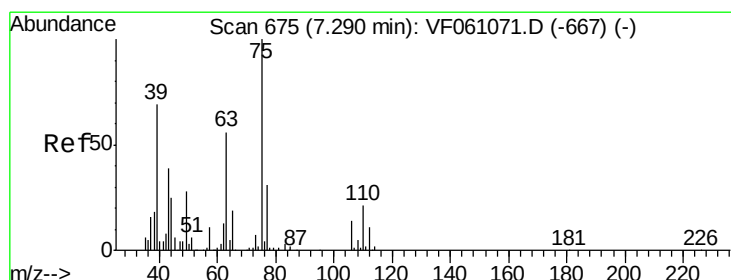
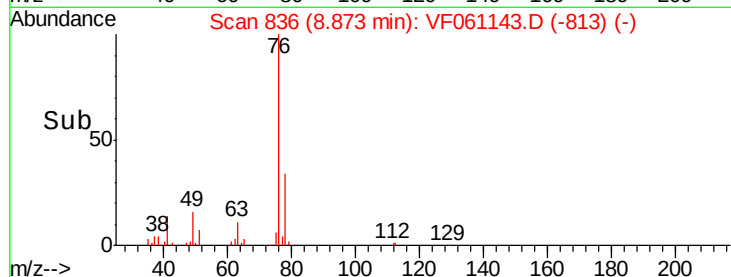
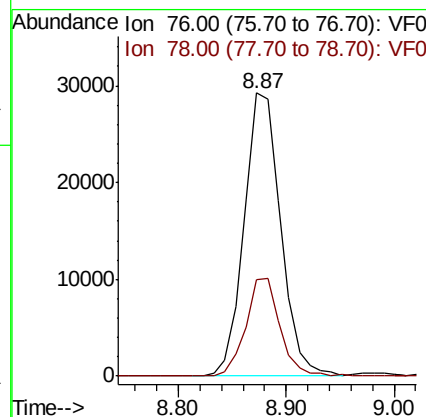
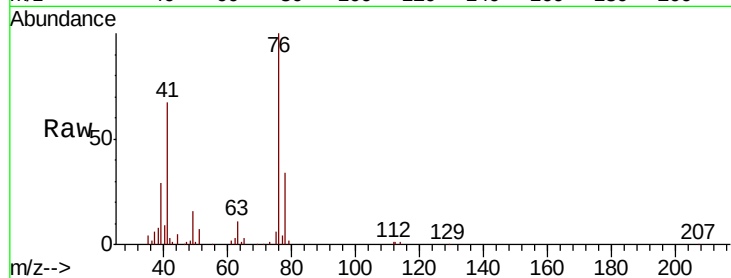
#57
 1,3-Dichloropropane
 Concen: 20.750 ug/l
 RT: 8.87 min Scan# 836
 Delta R.T. 0.02 min
 Lab File: VF061143.D
 Acq: 22 Dec 2018 14:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1222SBSD01

Tgt Ion: 76 Resp: 68692
 Ion Ratio Lower Upper
 76 100
 78 33.9 26.5 39.7

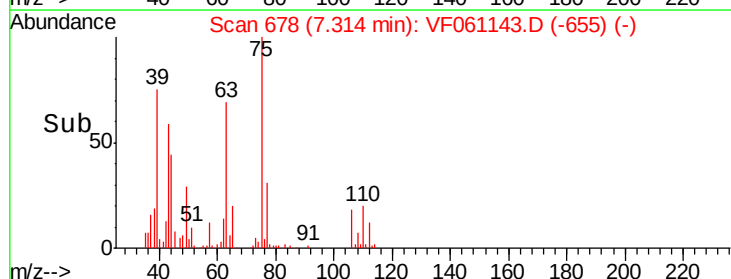
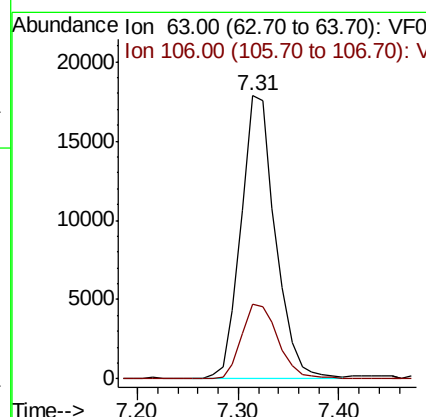
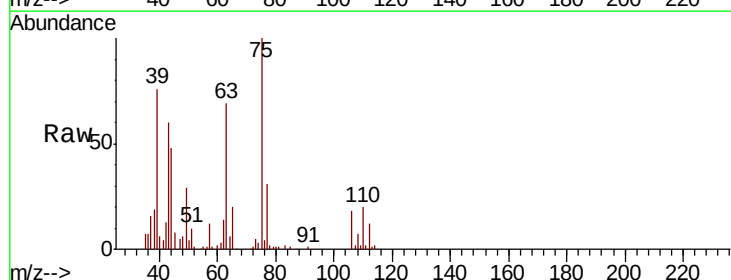
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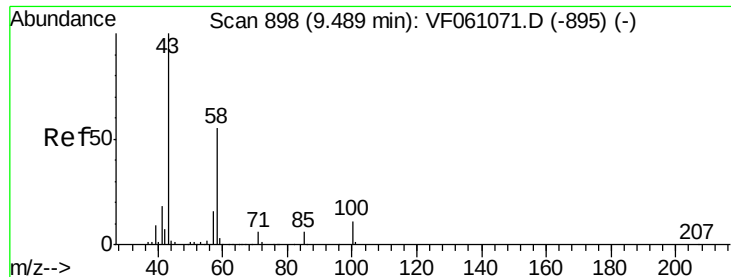
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#58
 2-Chloroethyl Vinyl ether
 Concen: 111.958 ug/l
 RT: 7.31 min Scan# 678
 Delta R.T. 0.02 min
 Lab File: VF061143.D
 Acq: 22 Dec 2018 14:33

Tgt Ion: 63 Resp: 42588
 Ion Ratio Lower Upper
 63 100
 106 26.4 19.8 29.8





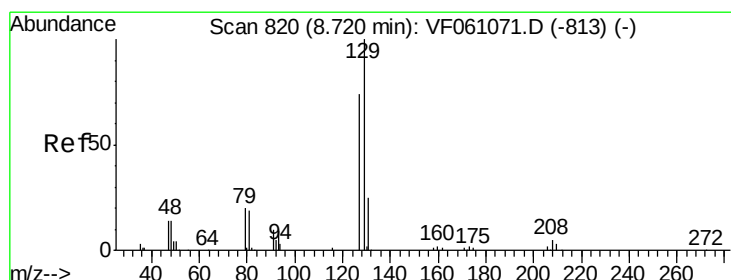
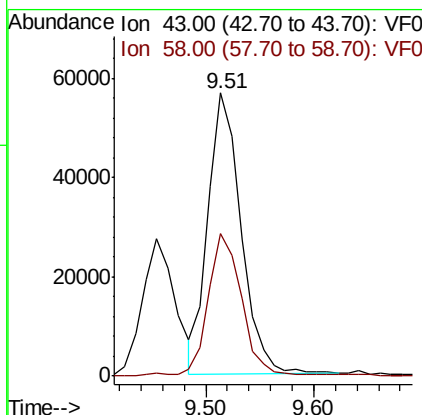
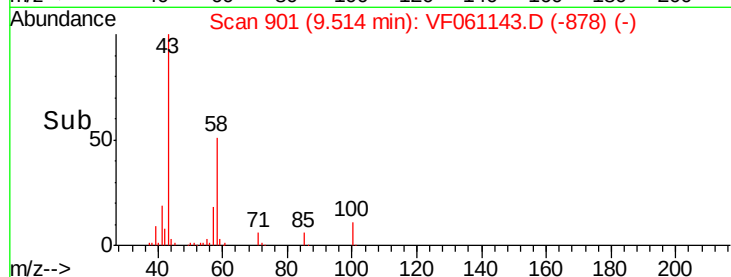
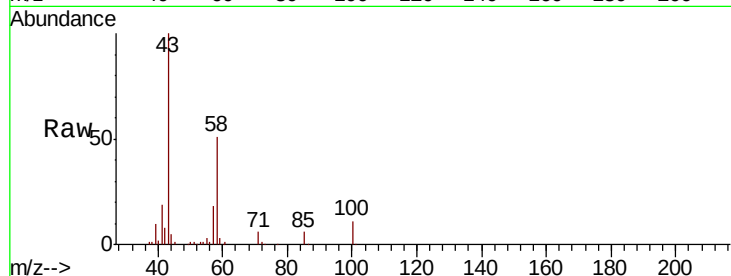
#59
2-Hexanone
Concen: 117.067 ug/l
RT: 9.51 min Scan# 901
Delta R.T. 0.02 min
Lab File: VF061143.D
Acq: 22 Dec 2018 14:33

Instrument :
MSVOA_F
ClientSampleId :
VF1222SBS01

Tgt Ion: 43 Resp: 120246
Ion Ratio Lower Upper
43 100
58 50.5 25.1 75.2

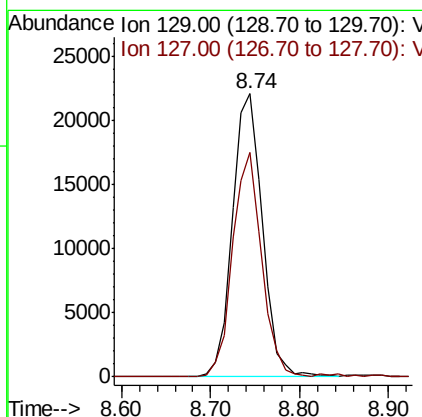
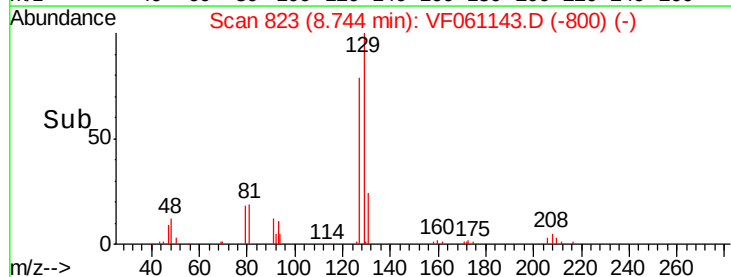
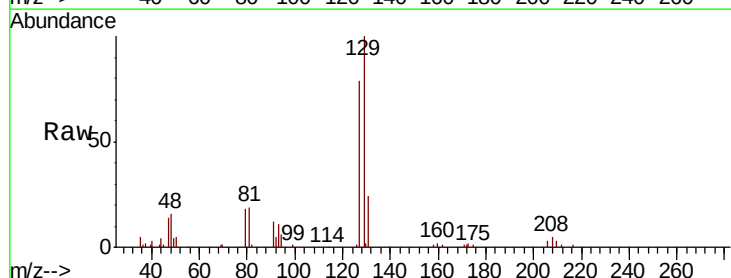
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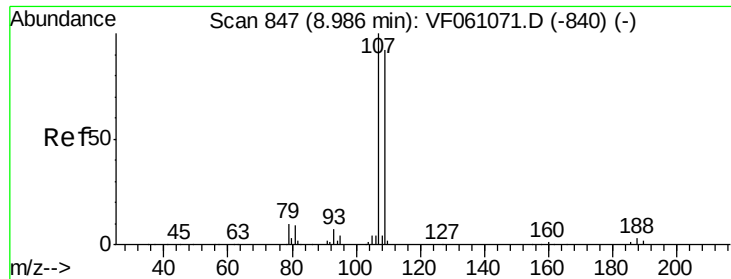
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#60
Dibromochloromethane
Concen: 19.802 ug/l
RT: 8.74 min Scan# 823
Delta R.T. 0.02 min
Lab File: VF061143.D
Acq: 22 Dec 2018 14:33

Tgt Ion: 129 Resp: 51957
Ion Ratio Lower Upper
129 100
127 79.4 36.8 110.3





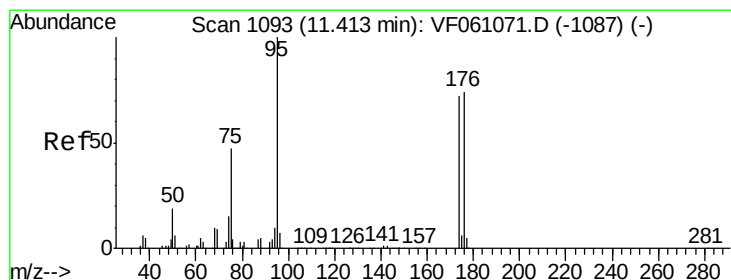
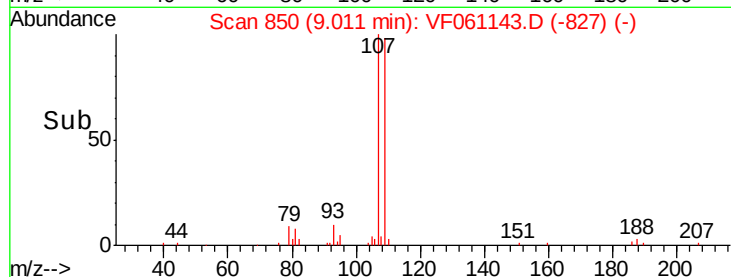
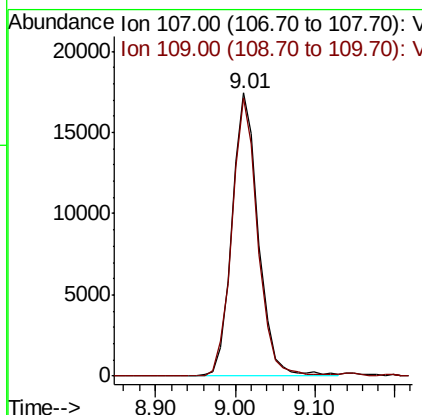
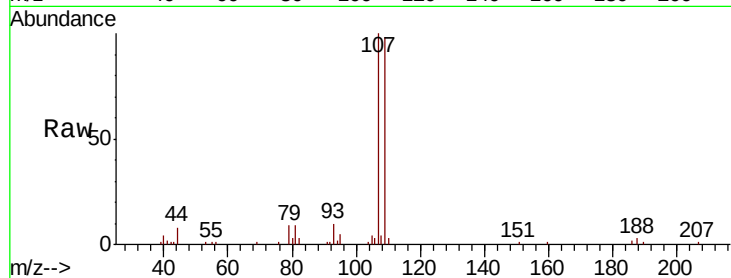
#61
 1,2-Dibromoethane
 Concen: 20.603 ug/l
 RT: 9.01 min Scan# 850
 Delta R.T. 0.02 min
 Lab File: VF061143.D
 Acq: 22 Dec 2018 14:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1222SBS01

Tgt Ion: 107 Resp: 40276
 Ion Ratio Lower Upper
 107 100
 109 98.4 73.7 110.5

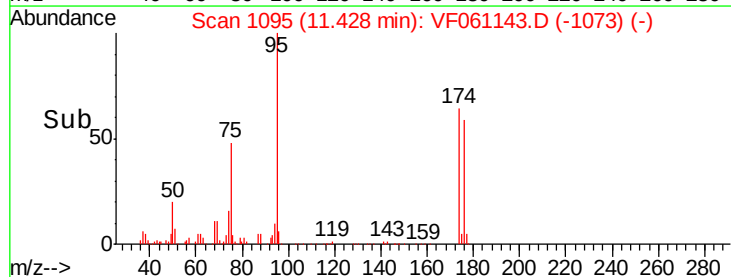
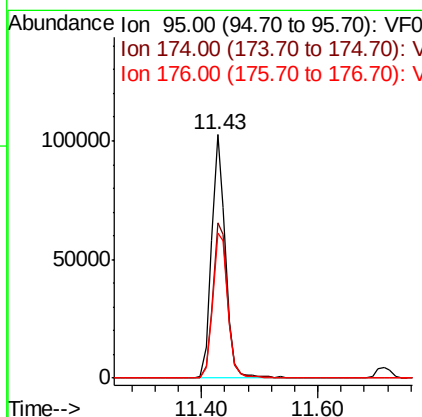
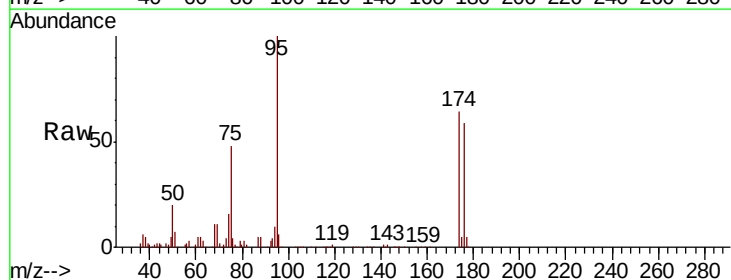
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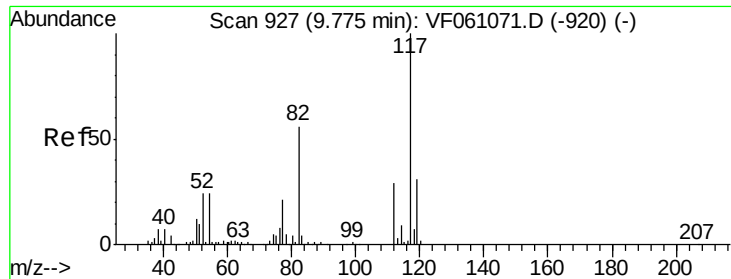
MMDadoda
 12/26/2018 11:05:08 AM



#62
 4-Bromofluorobenzene
 Concen: 45.525 ug/l
 RT: 11.43 min Scan# 1095
 Delta R.T. 0.01 min
 Lab File: VF061143.D
 Acq: 22 Dec 2018 14:33

Tgt Ion: 95 Resp: 169296
 Ion Ratio Lower Upper
 95 100
 174 63.9 0.0 143.8
 176 59.3 0.0 147.6





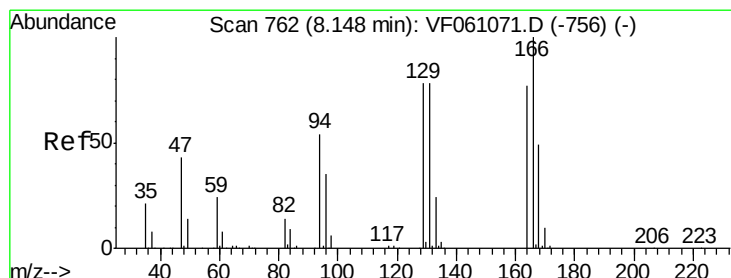
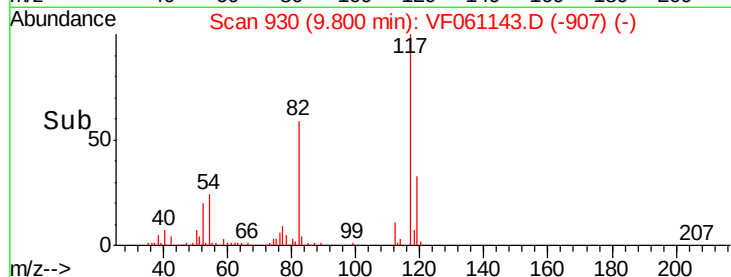
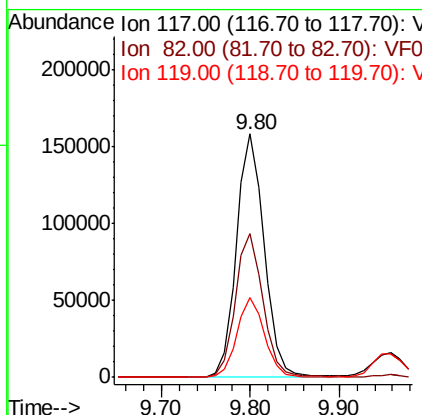
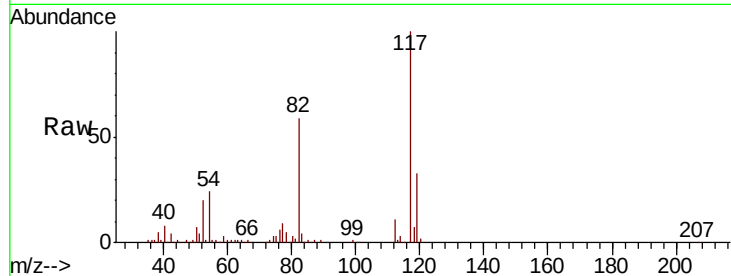
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 930
Delta R.T. 0.02 min
Lab File: VF061143.D
Acq: 22 Dec 2018 14:33

Instrument :
MSVOA_F
ClientSampleId :
VF1222SBS01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.1	45.0	67.4
119	32.5	24.8	37.2

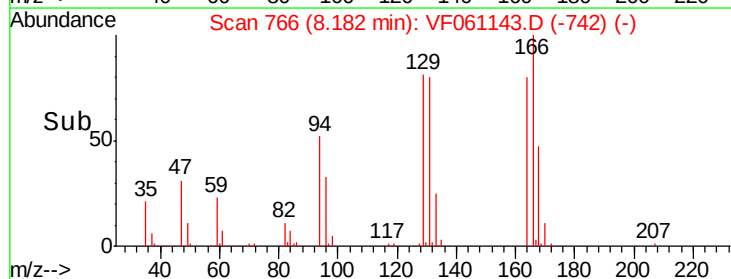
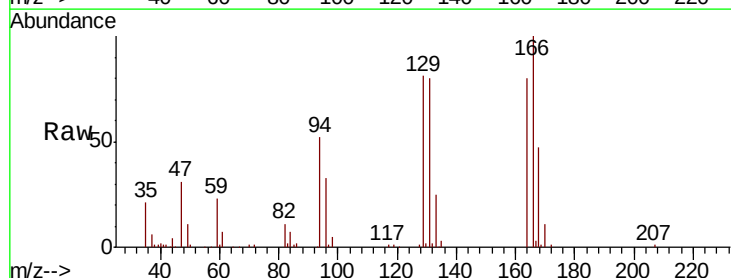
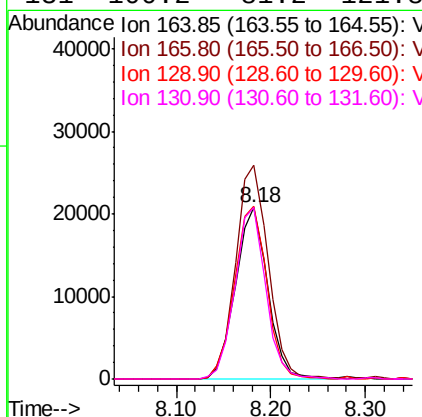
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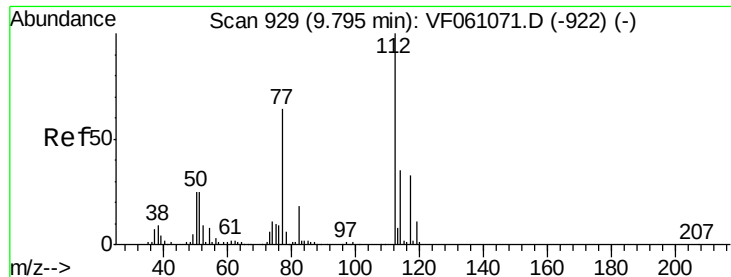
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#64
Tetrachloroethene
Concen: 18.514 ug/l
RT: 8.18 min Scan# 766
Delta R.T. 0.03 min
Lab File: VF061143.D
Acq: 22 Dec 2018 14:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.9	104.0	156.0
129	100.8	81.1	121.7
131	100.2	81.2	121.8





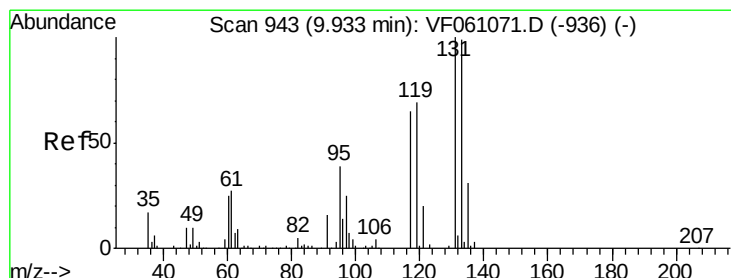
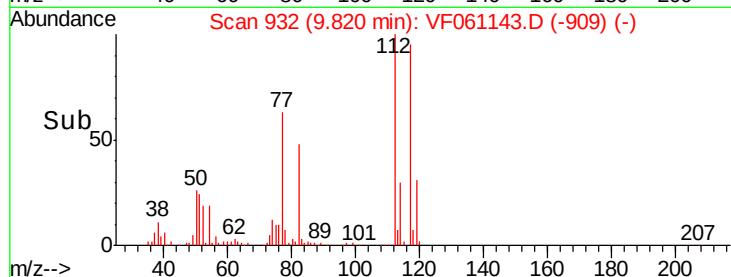
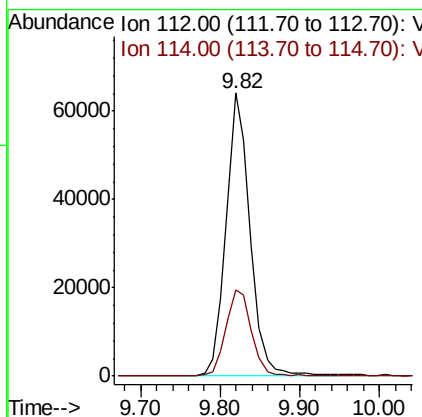
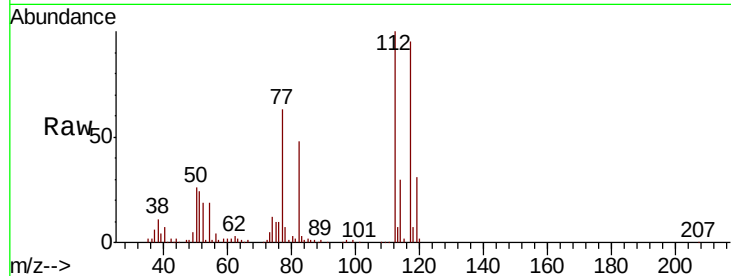
#65
Chlorobenzene
Concen: 19.207 ug/l
RT: 9.82 min Scan# 932
Delta R.T. 0.02 min
Lab File: VF061143.D
Acq: 22 Dec 2018 14:33

Instrument :
MSVOA_F
ClientSampleId :
VF1222SBS01

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.4	27.8	41.6

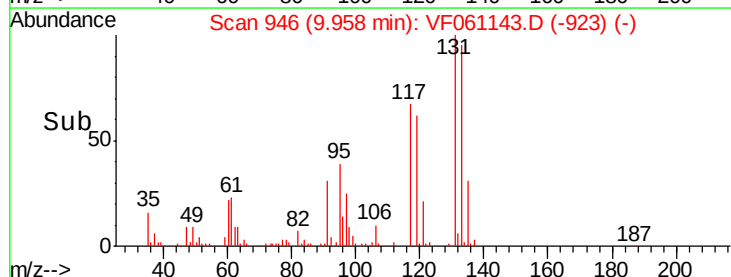
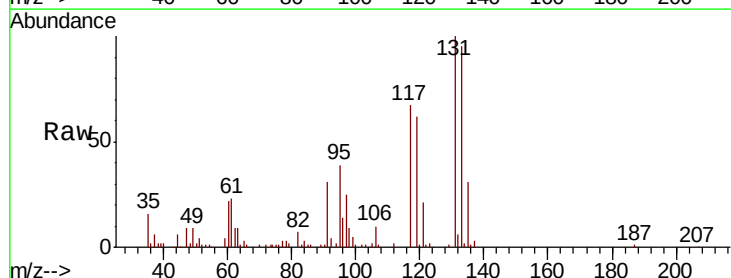
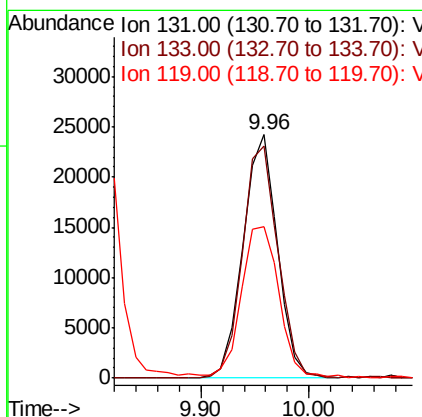
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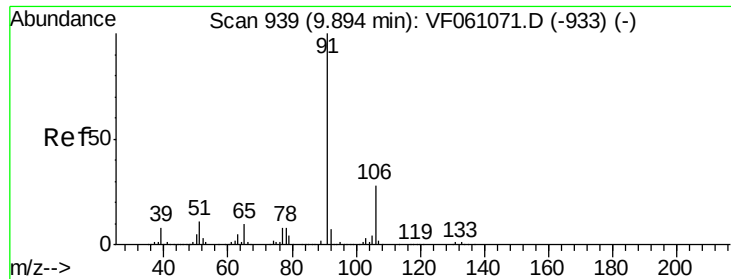
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.542 ug/l
RT: 9.96 min Scan# 946
Delta R.T. 0.02 min
Lab File: VF061143.D
Acq: 22 Dec 2018 14:33

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	49.5	148.7
119	62.0	34.5	103.5





#67

Ethyl Benzene

Concen: 19.437 ug/l

RT: 9.93 min Scan# 943

Delta R.T. 0.03 min

Lab File: VF061143.D

Acq: 22 Dec 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

VF1222SBS01

Tgt Ion: 91 Resp: 251716

Ion Ratio Lower Upper

91 100

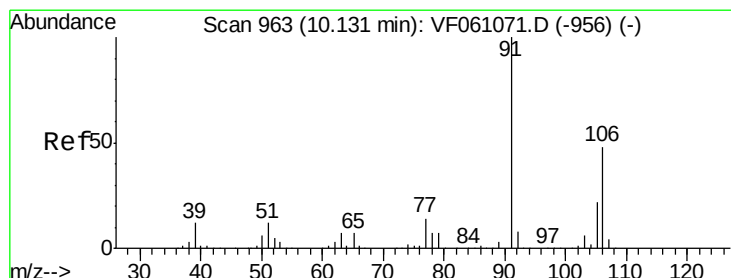
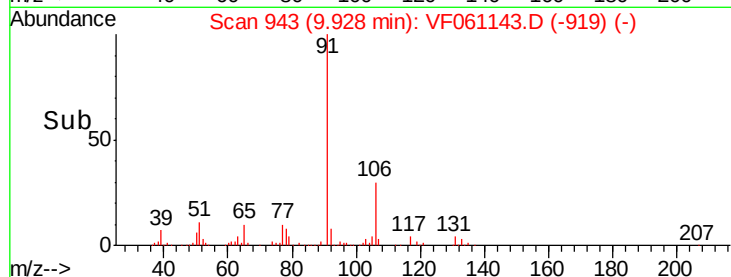
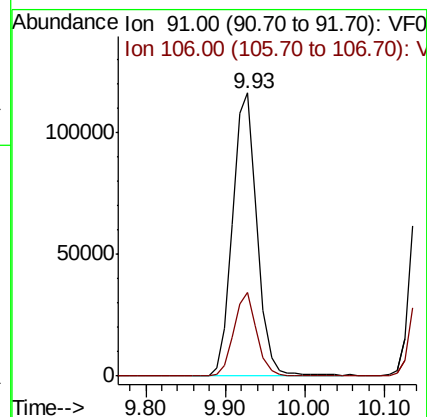
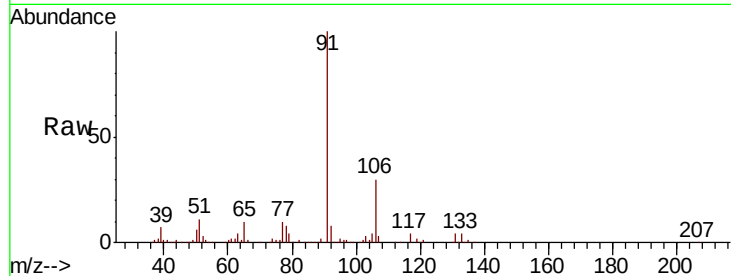
106 29.5 22.5 33.7

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#68

m/p-Xylenes

Concen: 39.737 ug/l

RT: 10.16 min Scan# 966

Delta R.T. 0.02 min

Lab File: VF061143.D

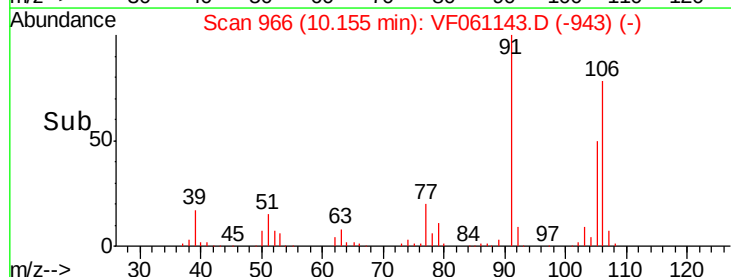
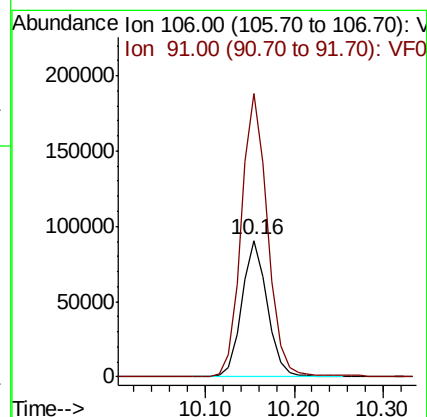
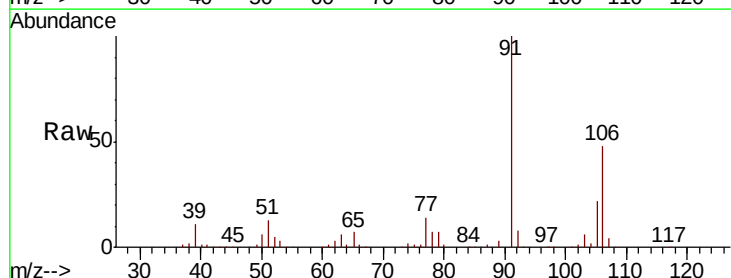
Acq: 22 Dec 2018 14:33

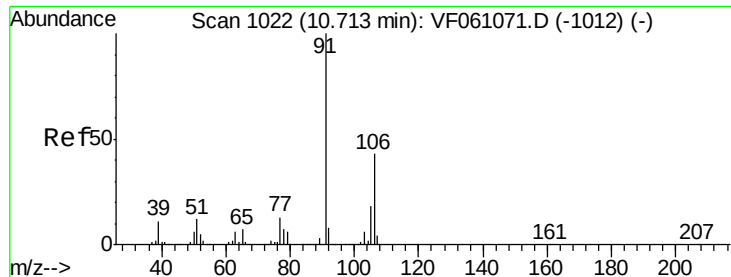
Tgt Ion: 106 Resp: 181104

Ion Ratio Lower Upper

106 100

91 207.8 168.2 252.2





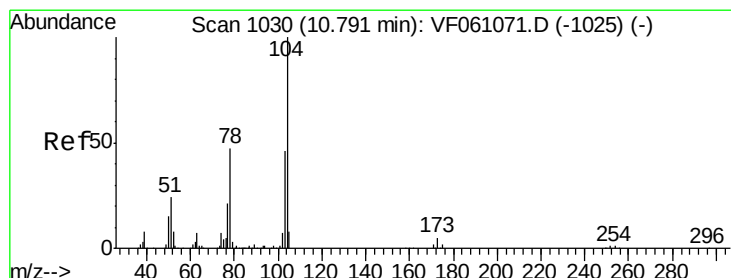
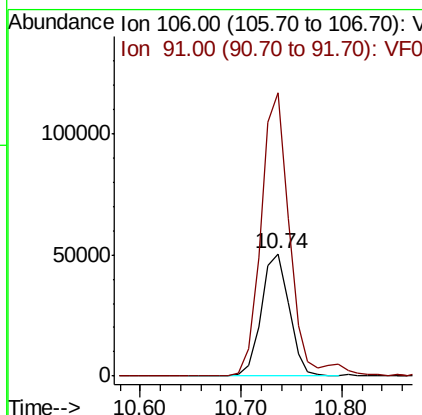
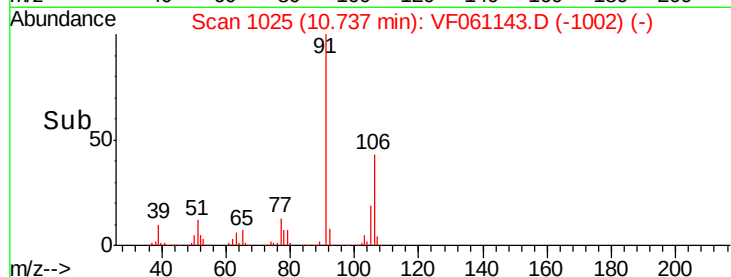
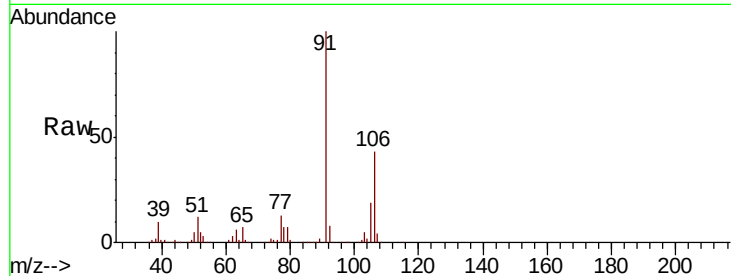
#69
o-Xylene
Concen: 19.187 ug/l
RT: 10.74 min Scan# 1025
Delta R.T. 0.02 min
Lab File: VF061143.D
Acq: 22 Dec 2018 14:33

Instrument :
MSVOA_F
ClientSampleId :
VF1222SBS01

Tgt Ion:106 Resp: 96982
Ion Ratio Lower Upper
106 100
91 230.7 115.9 347.7

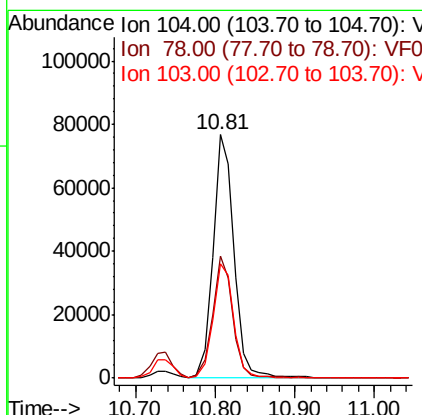
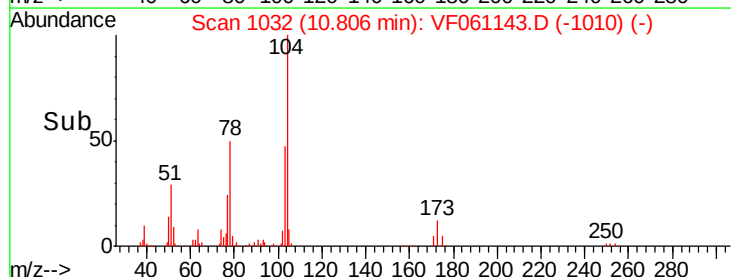
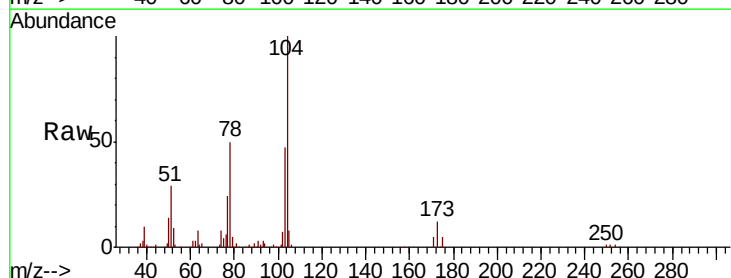
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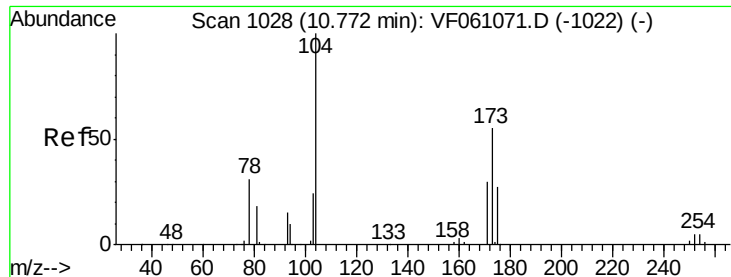
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#70
Styrene
Concen: 20.315 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. 0.02 min
Lab File: VF061143.D
Acq: 22 Dec 2018 14:33

Tgt Ion:104 Resp: 142984
Ion Ratio Lower Upper
104 100
78 50.4 38.4 57.6
103 47.0 37.0 55.6





#71

Bromoform

Concen: 20.818 ug/l

RT: 10.80 min Scan# 1031

Delta R.T. 0.02 min

Lab File: VF061143.D

Acq: 22 Dec 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

VF1222SBSD01

Tgt Ion:173 Resp: 27979

Ion Ratio Lower Upper

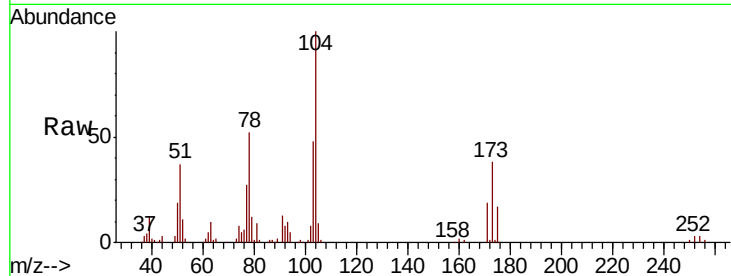
173 100

175 46.1 24.8 74.4

254 6.6 0.0 0.0#

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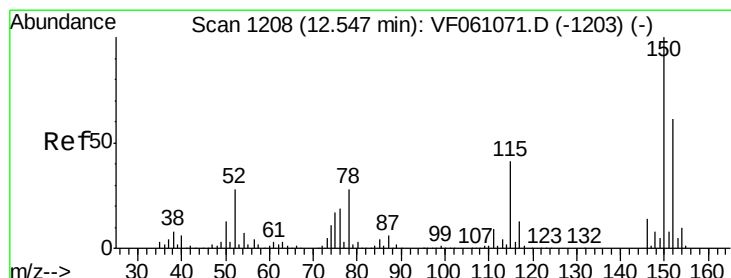
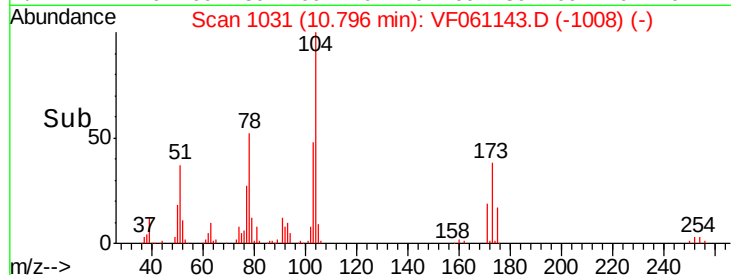
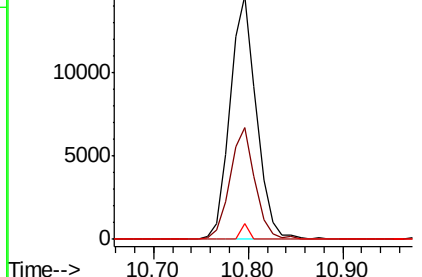
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Abundance Ion 173.00 (172.70 to 173.70): V

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: 12.57 min Scan# 1211

Delta R.T. 0.02 min

Lab File: VF061143.D

Acq: 22 Dec 2018 14:33

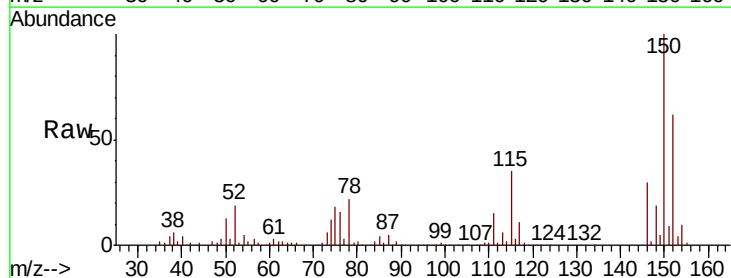
Tgt Ion:152 Resp: 167615

Ion Ratio Lower Upper

152 100

115 56.5 33.3 99.9

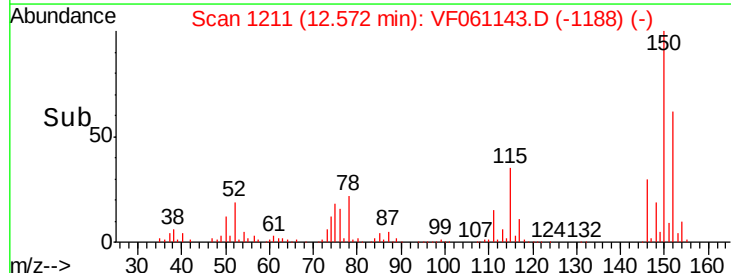
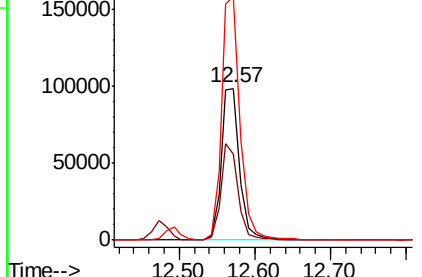
150 160.5 0.0 328.2

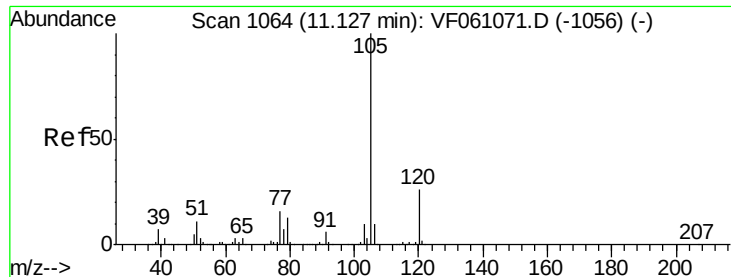


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 19.910 ug/l

RT: 11.14 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VF061143.D

Acq: 22 Dec 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

VF1222SBSD01

Tgt Ion:105 Resp: 287586

Ion Ratio Lower Upper

105 100

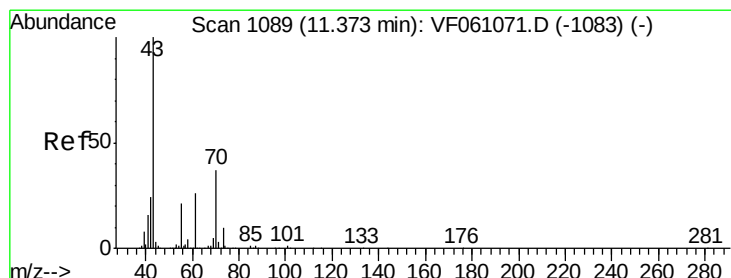
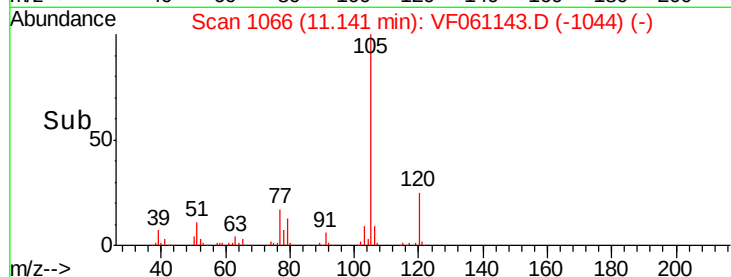
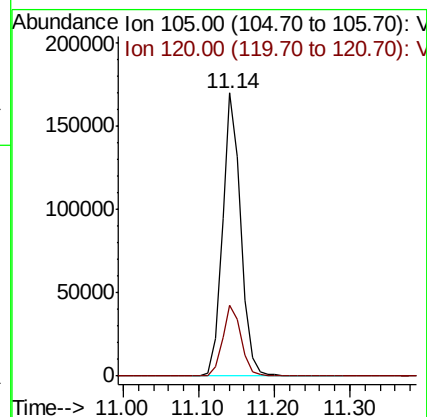
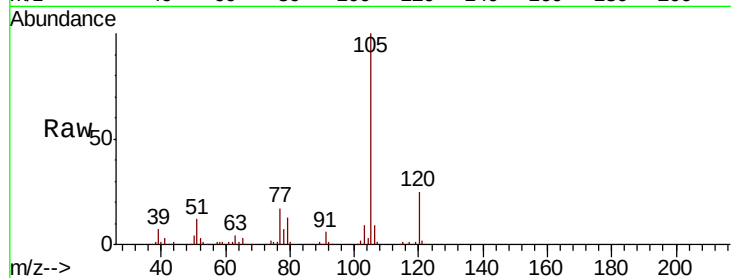
120 25.0 13.0 39.0

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#74

N-ethyl acetate

Concen: 24.267 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VF061143.D

Acq: 22 Dec 2018 14:33

Tgt Ion: 43 Resp: 77821

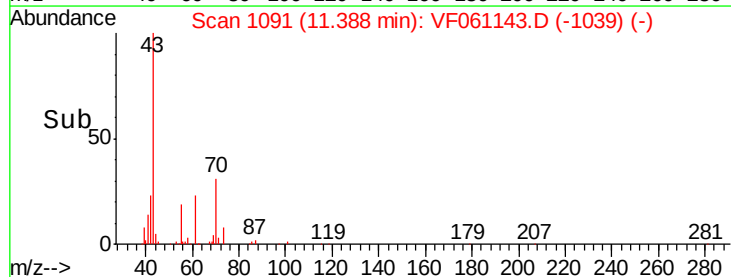
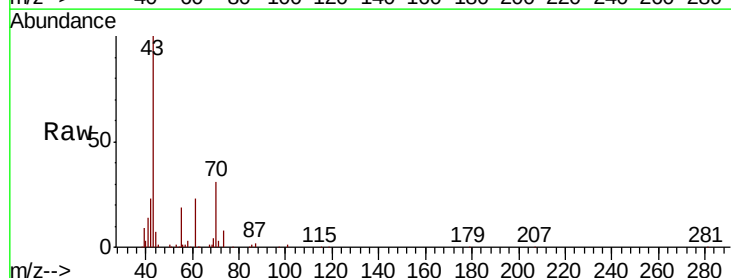
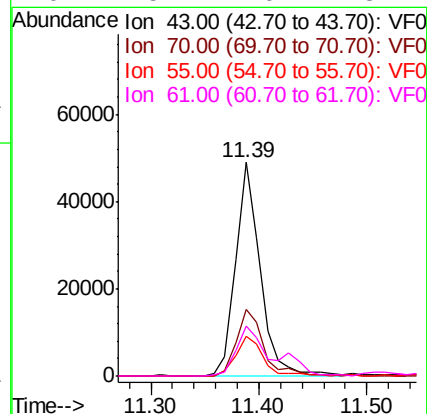
Ion Ratio Lower Upper

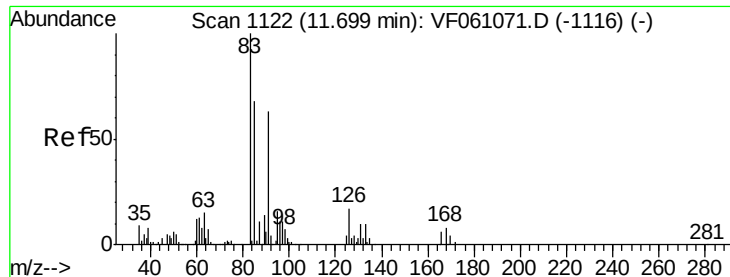
43 100

70 30.9 29.2 43.8

55 18.7 16.5 24.7

61 23.4 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.304 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VF061143.D

Acq: 22 Dec 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

VF1222SBS01

Tgt Ion: 83 Resp: 51072

Ion Ratio Lower Upper

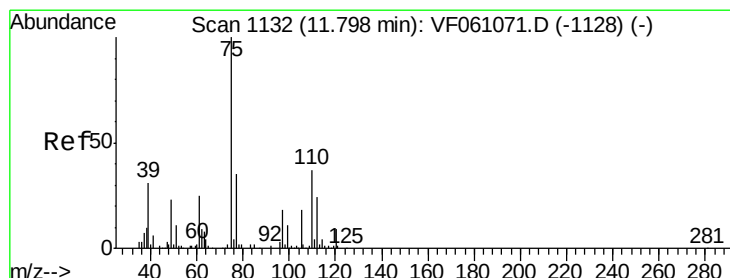
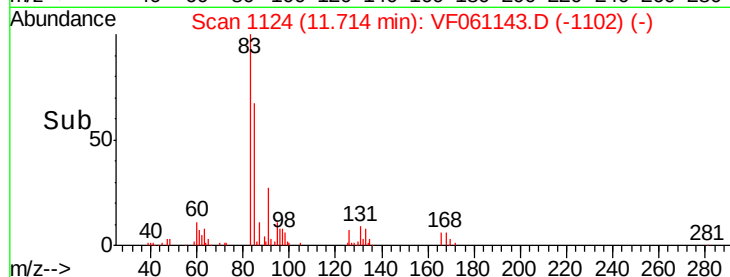
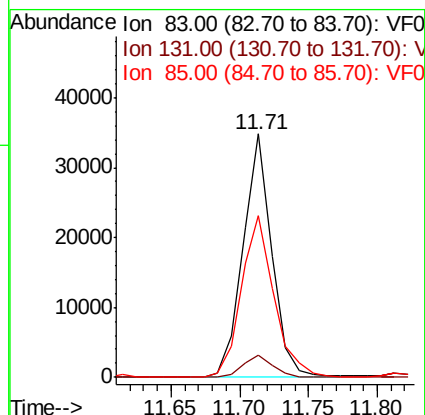
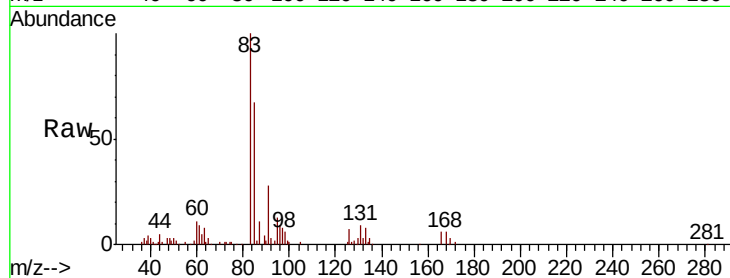
83 100

131 9.0 4.8 14.3

85 66.7 33.9 101.6

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#76

1,2,3-Trichloropropane

Concen: 21.325 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. 0.01 min

Lab File: VF061143.D

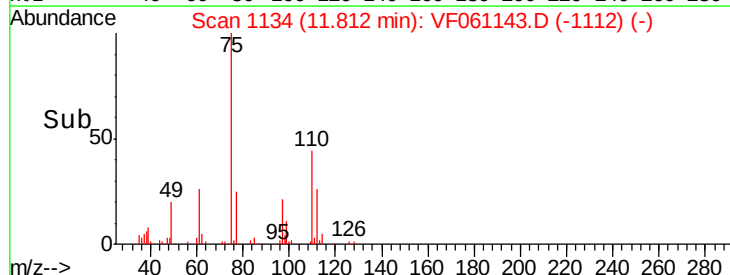
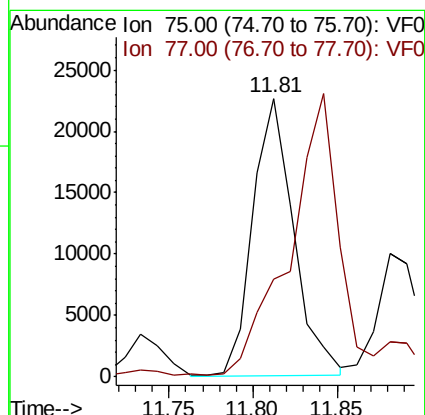
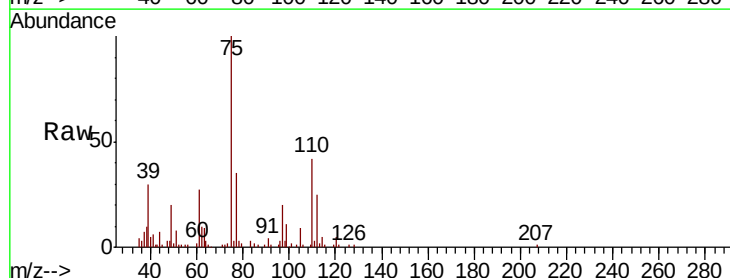
Acq: 22 Dec 2018 14:33

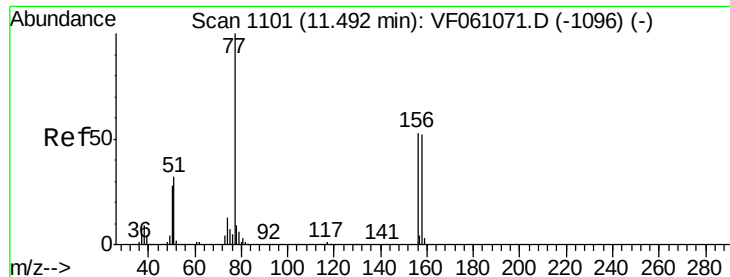
Tgt Ion: 75 Resp: 38044

Ion Ratio Lower Upper

75 100

77 35.2 17.6 52.9





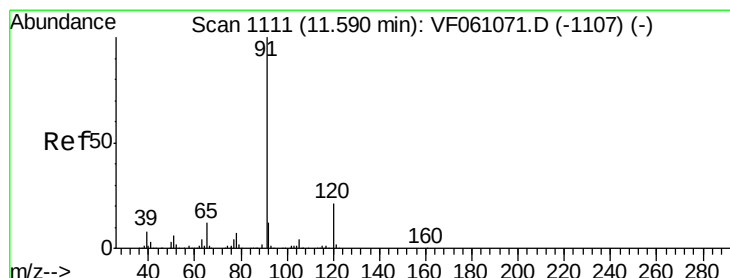
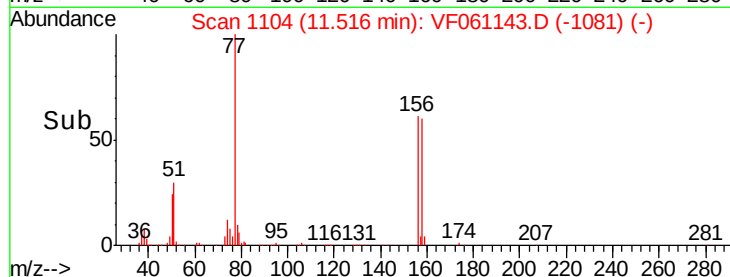
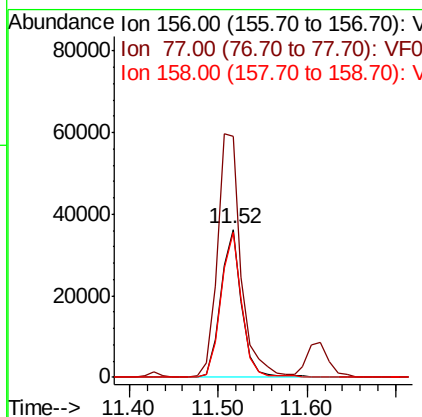
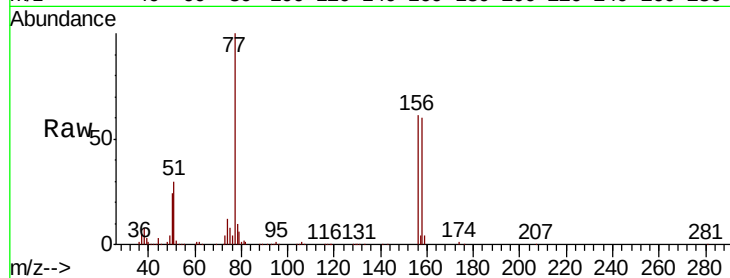
#77
Bromobenzene
Concen: 19.227 ug/l
RT: 11.52 min Scan# 1104
Delta R.T. 0.02 min
Lab File: VF061143.D
Acq: 22 Dec 2018 14:33

Instrument :
MSVOA_F
ClientSampleId :
VF1222SBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	163.6	93.8	281.4
158	98.2	48.9	146.8

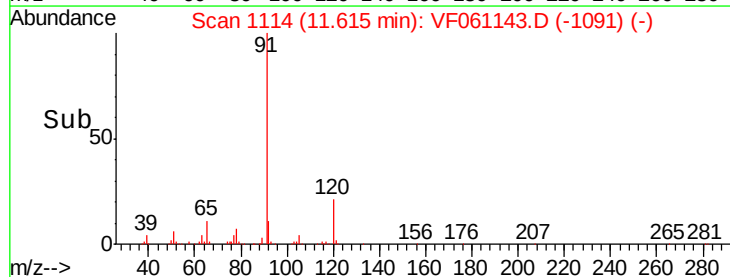
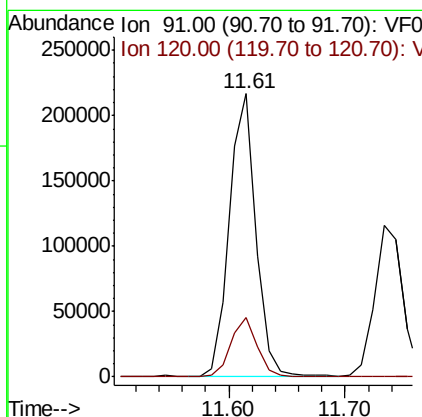
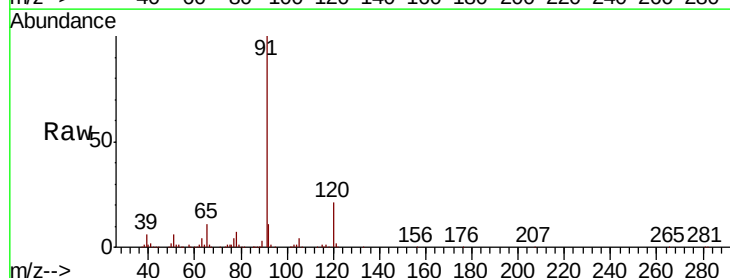
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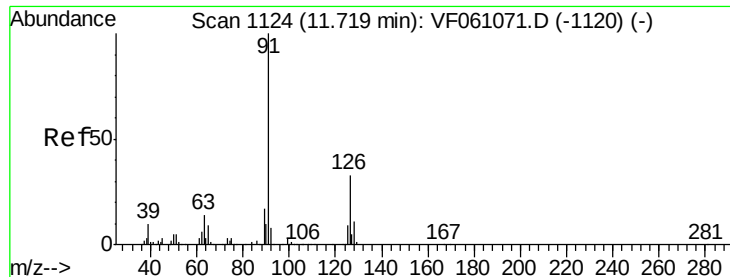
MMDadoda
12/26/2018 11:05:08 AM



#78
n-propylbenzene
Concen: 18.048 ug/l
RT: 11.61 min Scan# 1114
Delta R.T. 0.02 min
Lab File: VF061143.D
Acq: 22 Dec 2018 14:33

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.1	10.4	31.2





#79

2-Chlorotoluene

Concen: 19.419 ug/l

RT: 11.73 min Scan# 1126

Delta R.T. 0.01 min

Lab File: VF061143.D

Acq: 22 Dec 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

VF1222SBS01

Tgt Ion: 91 Resp: 192414

Ion Ratio Lower Upper

91 100

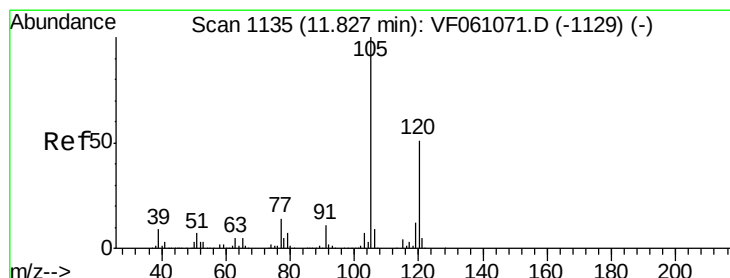
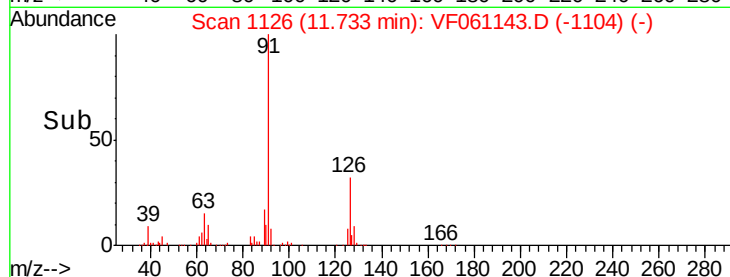
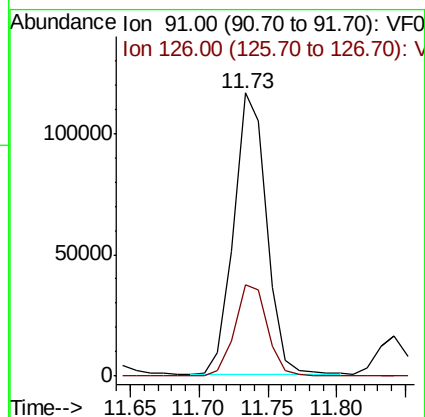
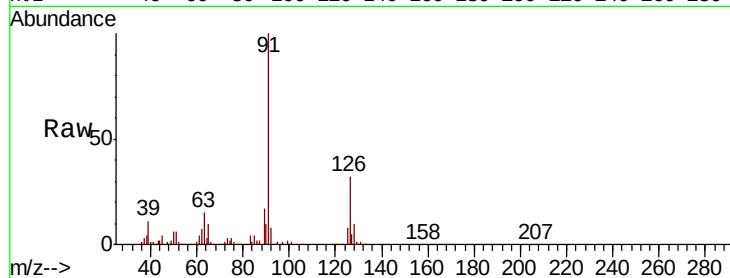
126 32.2 16.4 49.1

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#80

1,3,5-Trimethylbenzene

Concen: 20.302 ug/l

RT: 11.84 min Scan# 1137

Delta R.T. 0.01 min

Lab File: VF061143.D

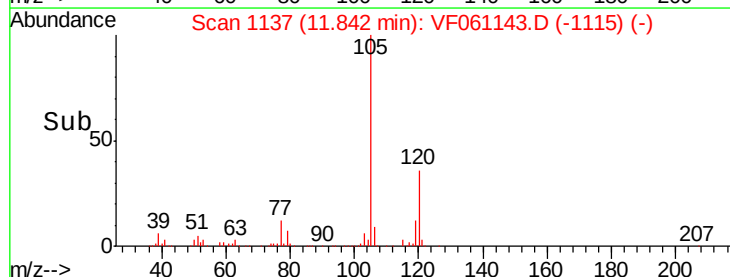
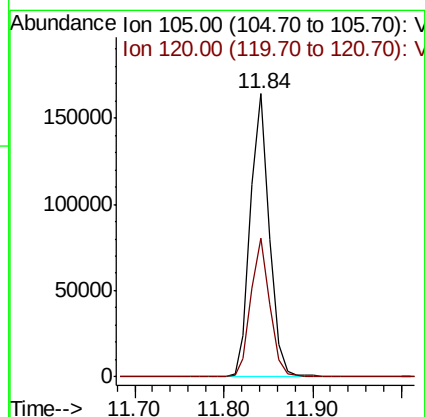
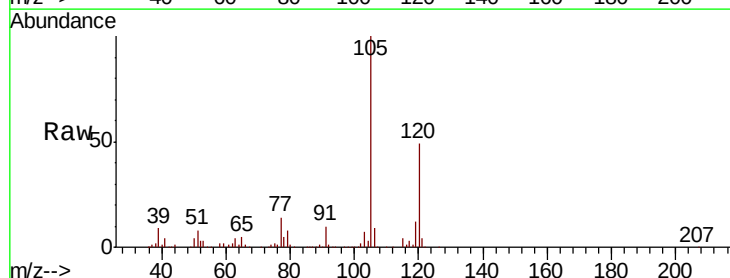
Acq: 22 Dec 2018 14:33

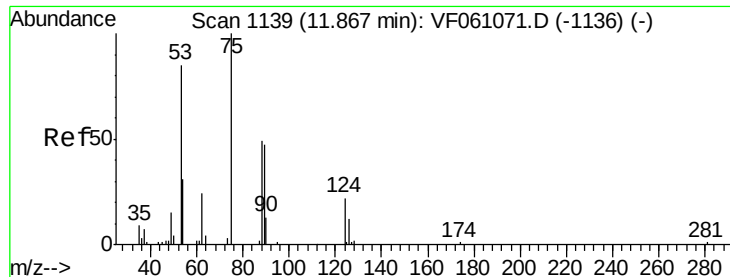
Tgt Ion: 105 Resp: 241466

Ion Ratio Lower Upper

105 100

120 49.2 25.4 76.4





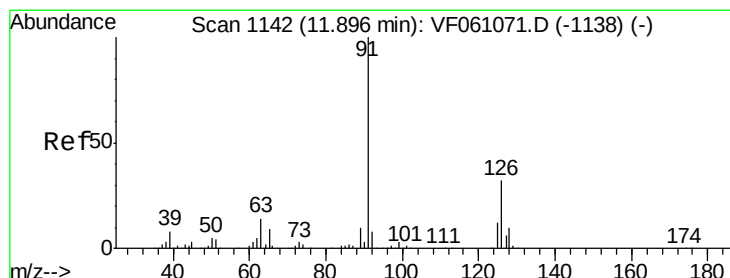
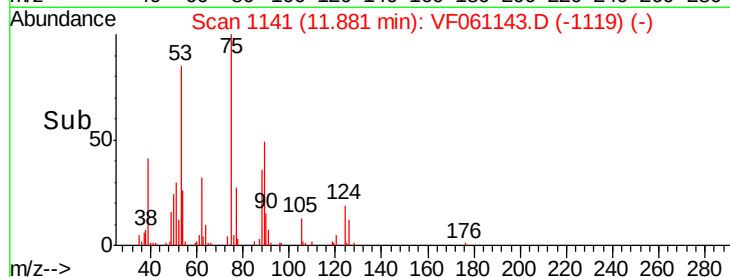
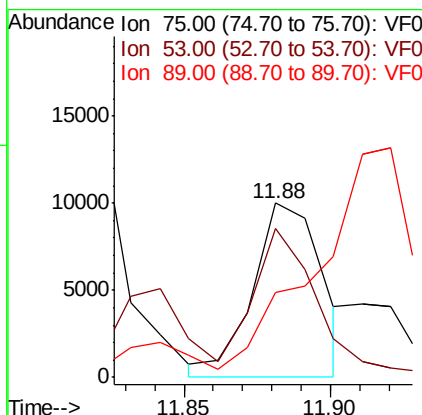
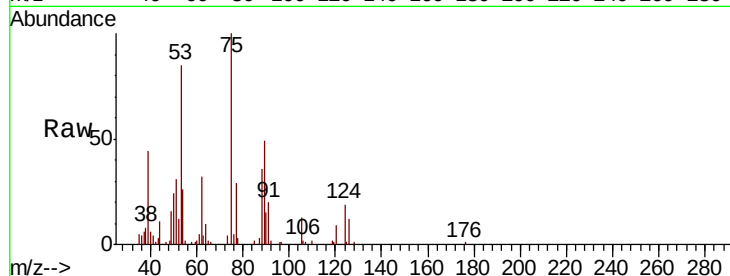
#81
trans-1,4-Dichloro-2-butene
Concen: 21.584 ug/l m
RT: 11.88 min Scan# 1141
Delta R.T. 0.01 min
Lab File: VF061143.D
Acq: 22 Dec 2018 14:33

Instrument :
MSVOA_F
ClientSampleId :
VF1222SBSD01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	85.1	74.1	111.1
89	48.7	42.6	64.0

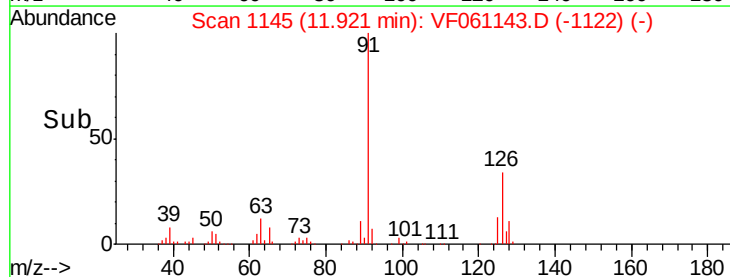
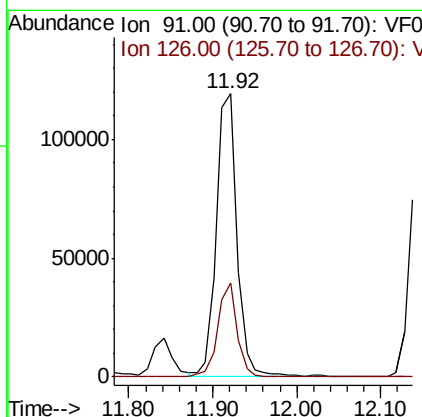
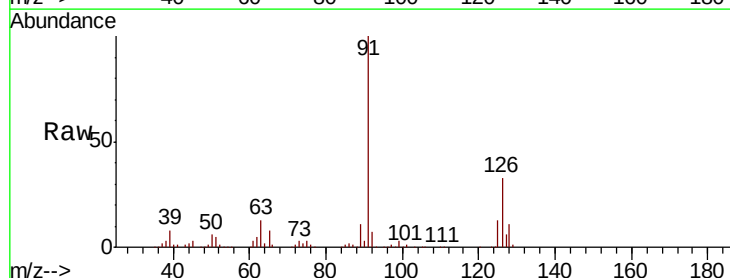
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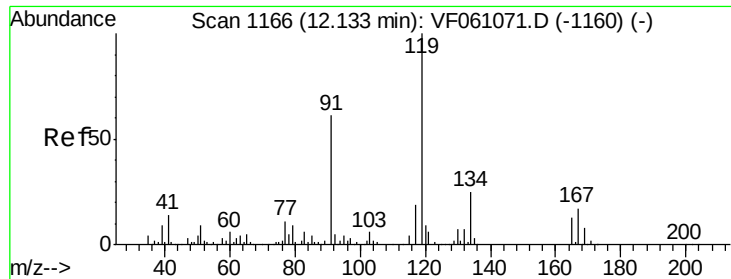
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#82
4-Chlorotoluene
Concen: 19.733 ug/l
RT: 11.92 min Scan# 1145
Delta R.T. 0.02 min
Lab File: VF061143.D
Acq: 22 Dec 2018 14:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.0	47.9





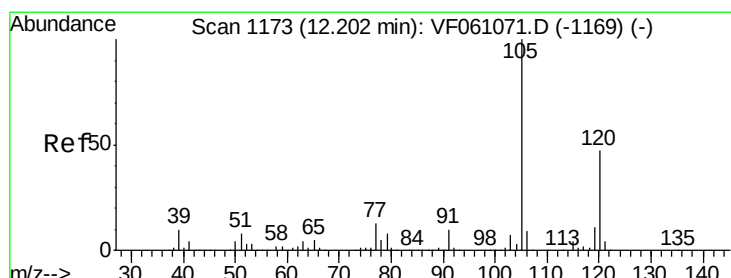
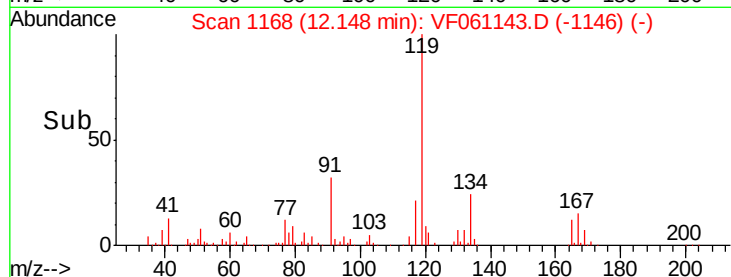
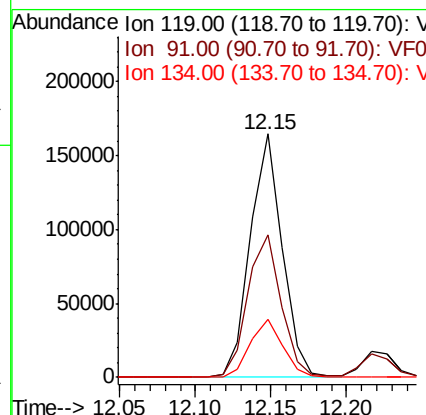
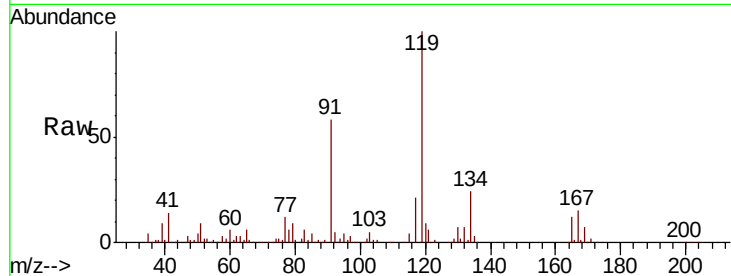
#83
 tert-Butylbenzene
 Concen: 20.066 ug/l
 RT: 12.15 min Scan# 1168
 Delta R.T. 0.01 min
 Lab File: VF061143.D
 Acq: 22 Dec 2018 14:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1222SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	245591		
91	58.5	30.5	91.5	
134	23.9	12.4	37.4	

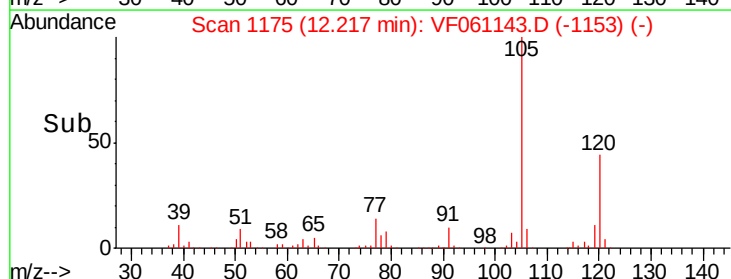
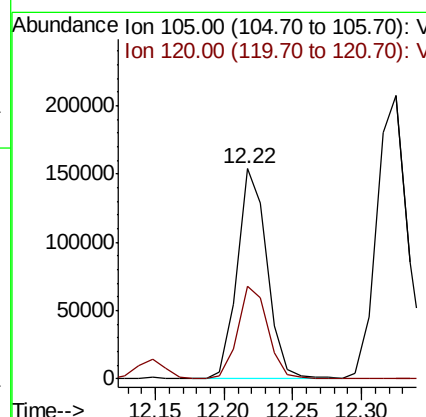
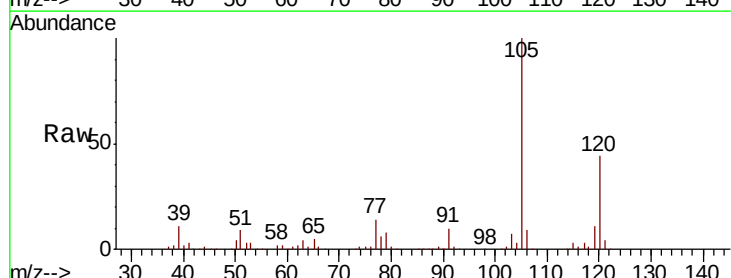
Manual Integrations
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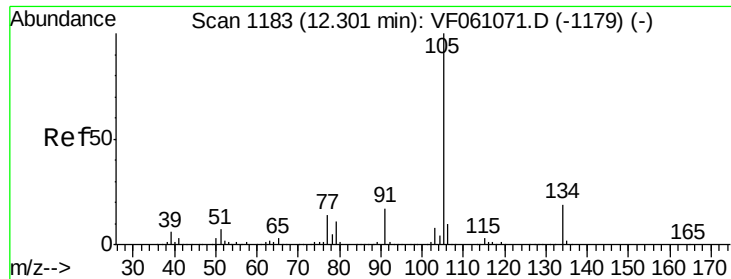
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.658 ug/l
 RT: 12.22 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VF061143.D
 Acq: 22 Dec 2018 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	233155		
120	44.1	23.6	71.0	





#85

sec-Butylbenzene

Concen: 20.257 ug/l

RT: 12.33 min Scan# 1186

Delta R.T. 0.02 min

Lab File: VF061143.D

Acq: 22 Dec 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

VF1222SBSD01

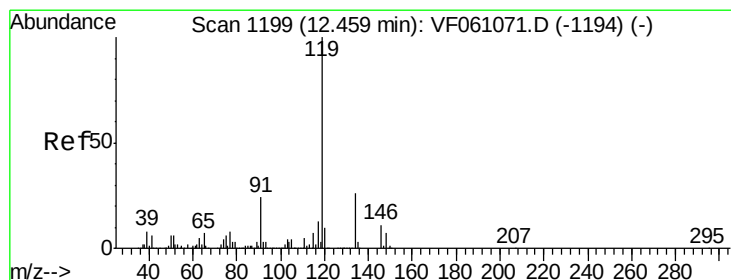
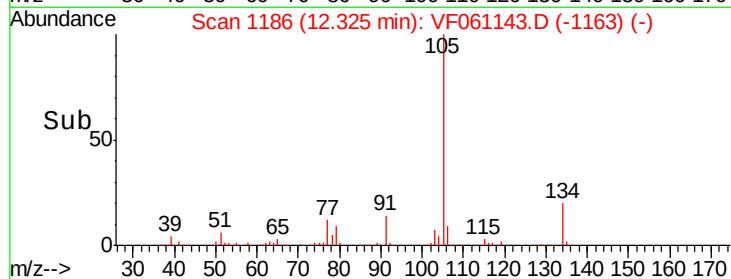
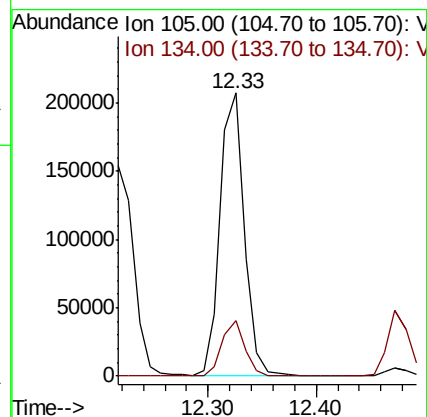
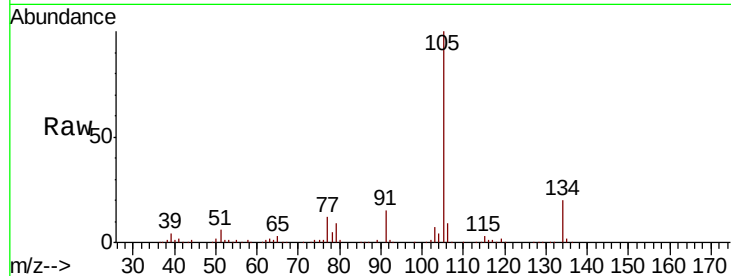
Tgt Ion:105 Resp: 323546
Ion Ratio Lower Upper

105 100

134 19.6 9.4 28.2

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#86

p-Isopropyltoluene

Concen: 20.346 ug/l

RT: 12.47 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VF061143.D

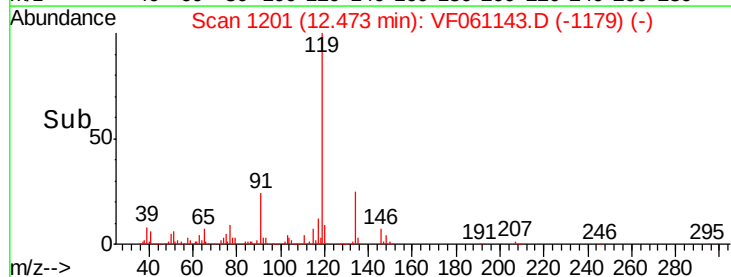
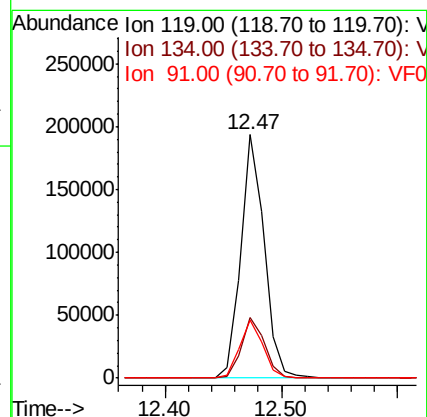
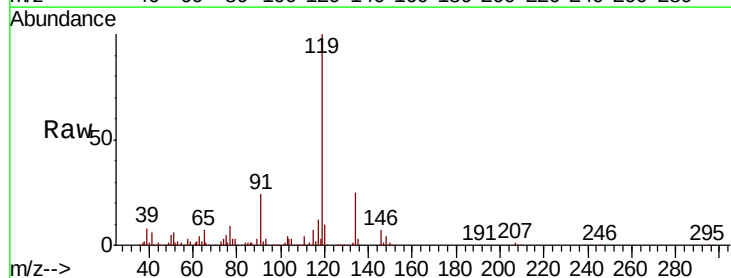
Acq: 22 Dec 2018 14:33

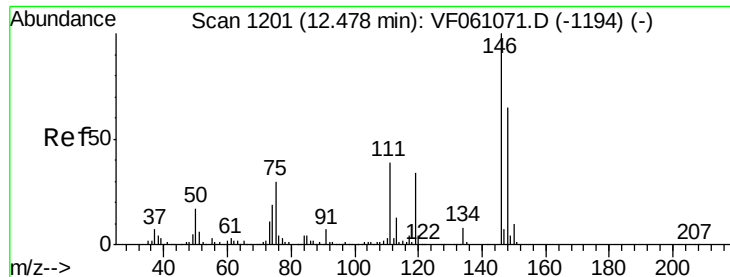
Tgt Ion:119 Resp: 269738
Ion Ratio Lower Upper

119 100

134 24.9 12.8 38.4

91 24.0 12.2 36.6





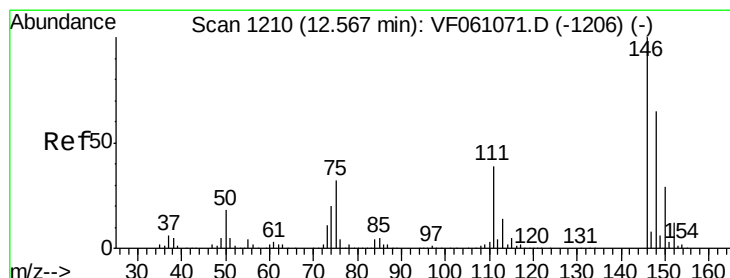
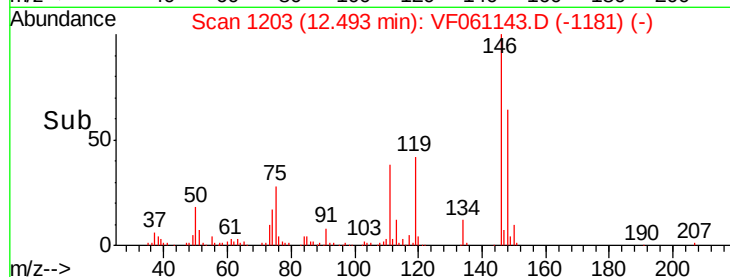
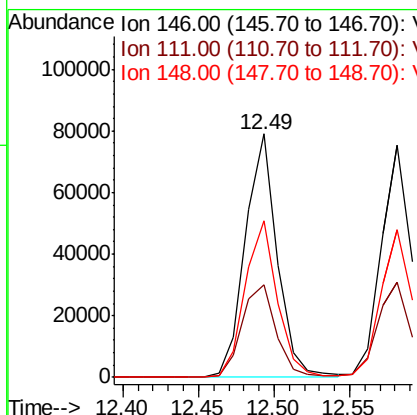
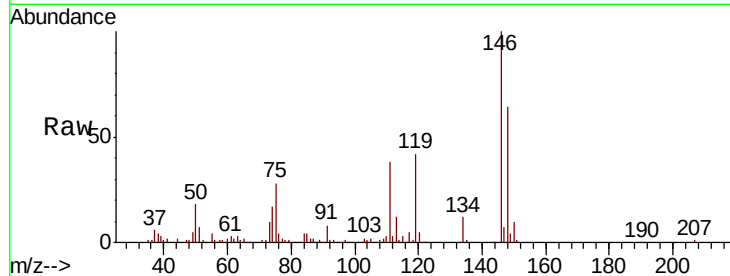
#87
 1,3-Dichlorobenzene
 Concen: 19.716 ug/l
 RT: 12.49 min Scan# 1203
 Delta R.T. 0.01 min
 Lab File: VF061143.D
 Acq: 22 Dec 2018 14:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1222SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.3	57.9
148	64.1	32.4	97.2

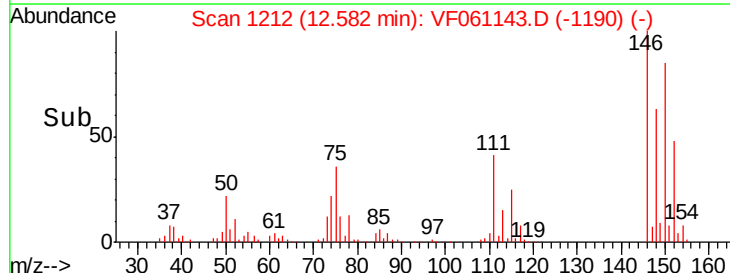
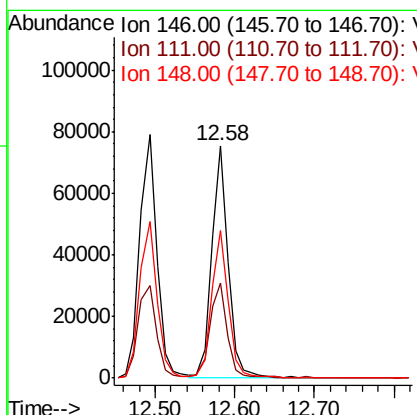
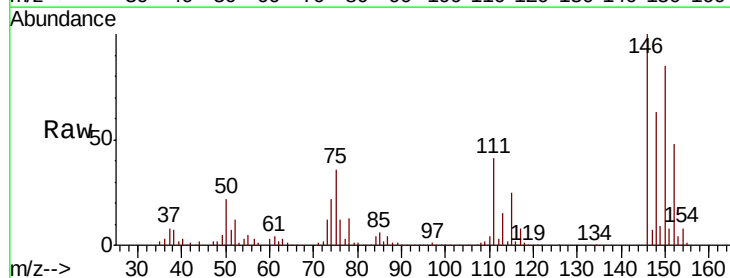
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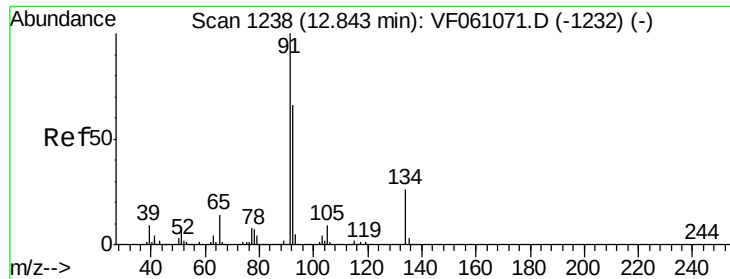
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#88
 1,4-Dichlorobenzene
 Concen: 19.241 ug/l
 RT: 12.58 min Scan# 1212
 Delta R.T. 0.01 min
 Lab File: VF061143.D
 Acq: 22 Dec 2018 14:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	19.4	58.4
148	63.4	32.4	97.0





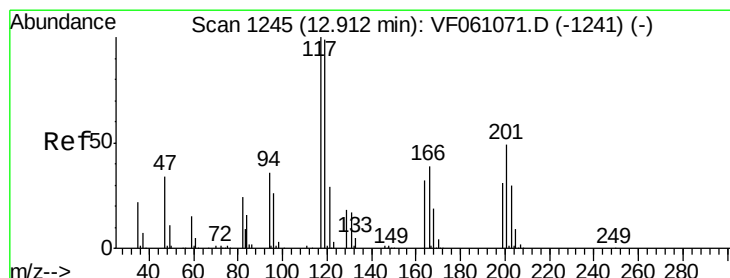
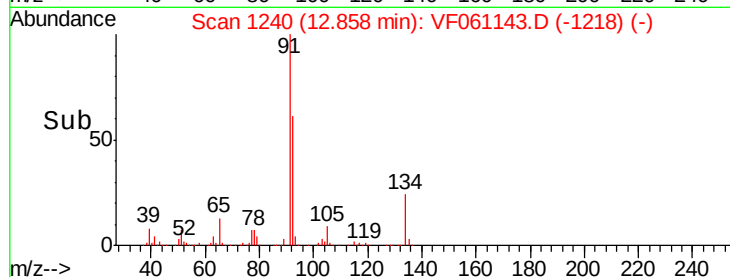
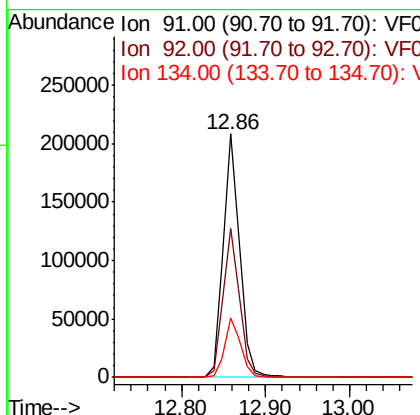
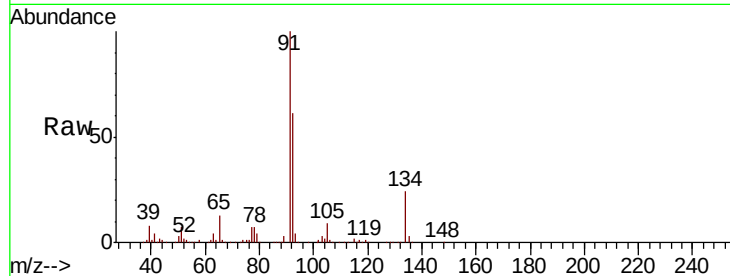
#89
n-Butylbenzene
Concen: 18.524 ug/l
RT: 12.86 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VF061143.D
Acq: 22 Dec 2018 14:33

Instrument :
MSVOA_F
ClientSampleId :
VF1222SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	282853		
92	61.3	32.8	98.4	
134	24.2	13.2	39.5	

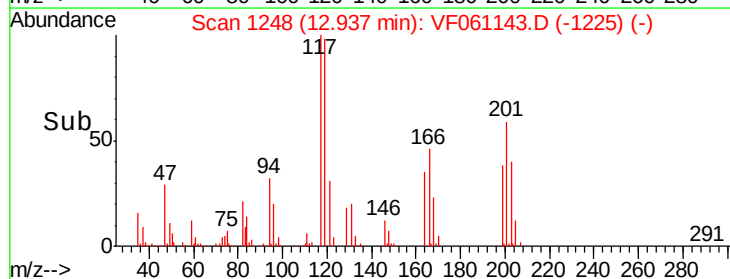
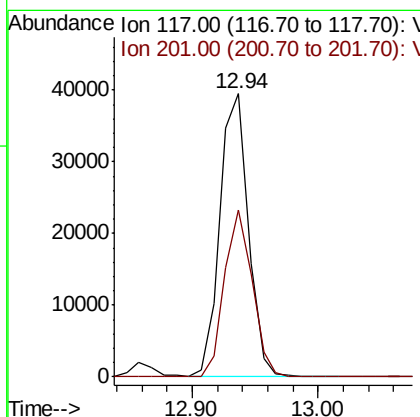
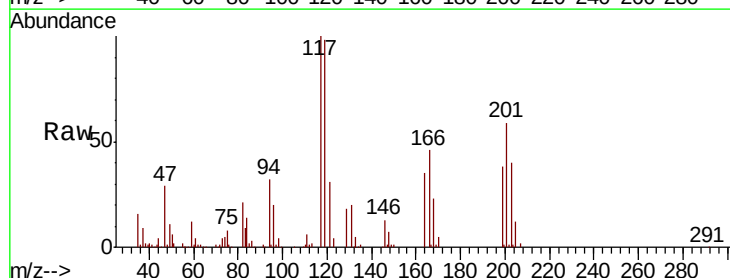
Manual Integrations
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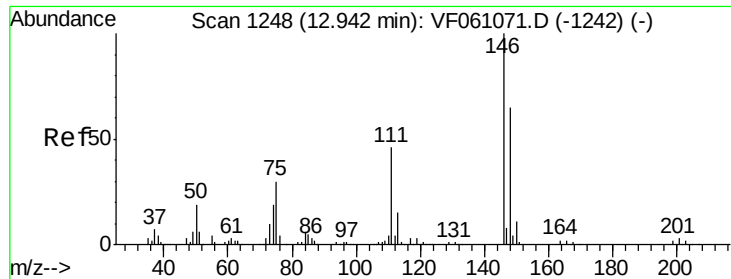
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#90
Hexachloroethane
Concen: 18.978 ug/l
RT: 12.94 min Scan# 1248
Delta R.T. 0.02 min
Lab File: VF061143.D
Acq: 22 Dec 2018 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	62160		
201	58.9	24.9	74.8	





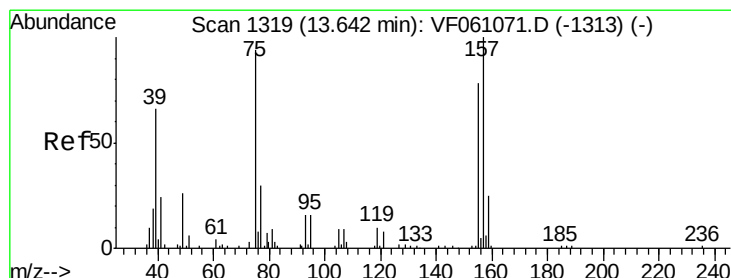
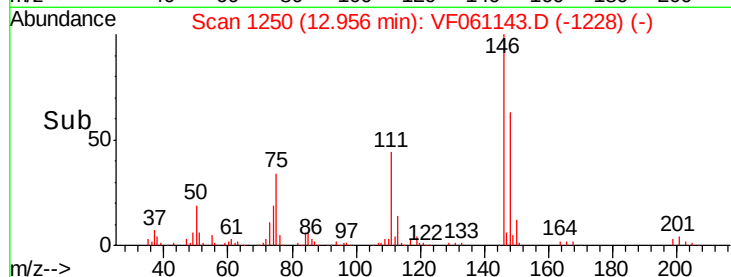
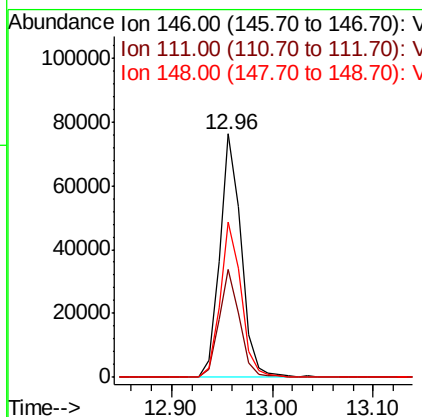
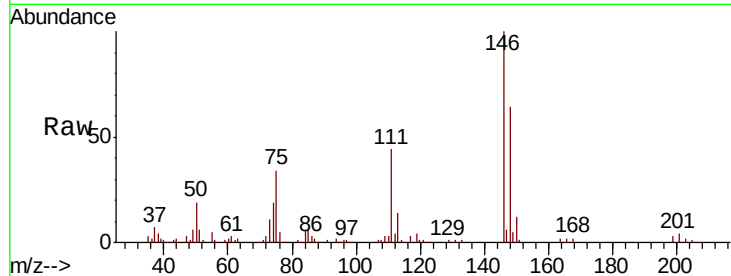
#91
 1,2-Dichlorobenzene
 Concen: 20.359 ug/l
 RT: 12.96 min Scan# 1250
 Delta R.T. 0.01 min
 Lab File: VF061143.D
 Acq: 22 Dec 2018 14:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1222SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	113172		
111	44.4	23.2	69.5	
148	63.7	32.4	97.0	

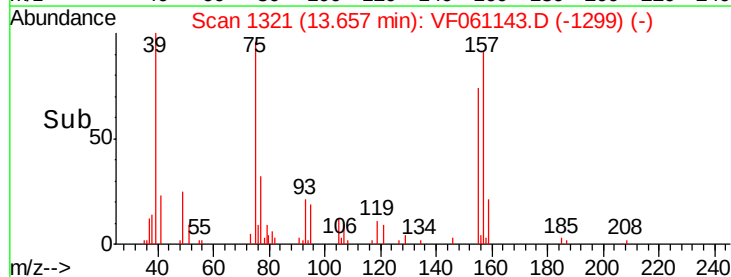
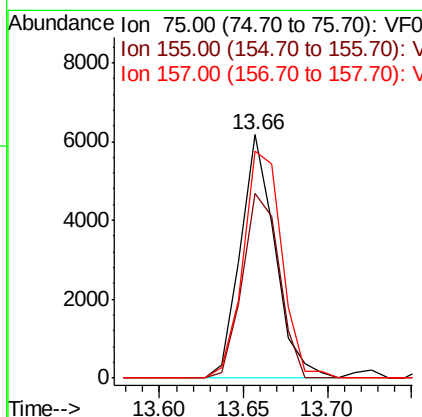
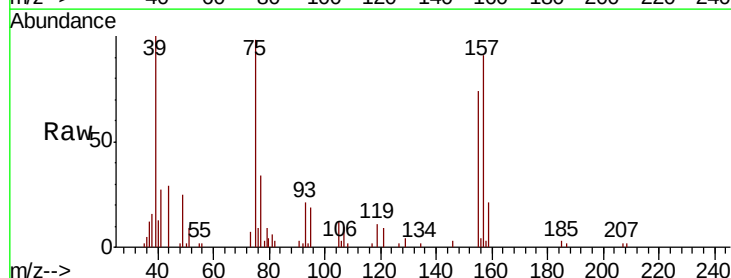
Manual Integrations
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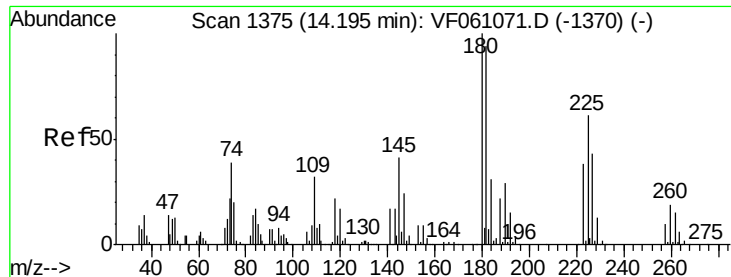
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.041 ug/l
 RT: 13.66 min Scan# 1321
 Delta R.T. 0.01 min
 Lab File: VF061143.D
 Acq: 22 Dec 2018 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	8816		
155	75.8	41.5	124.5	
157	93.1	53.2	159.6	





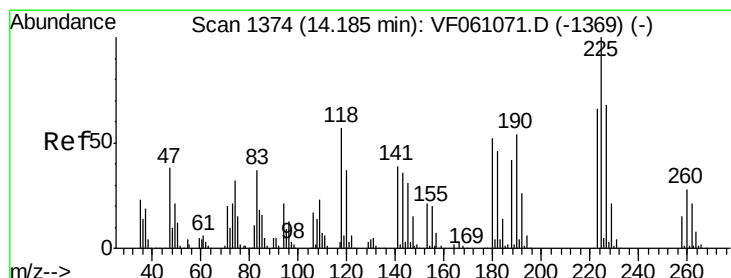
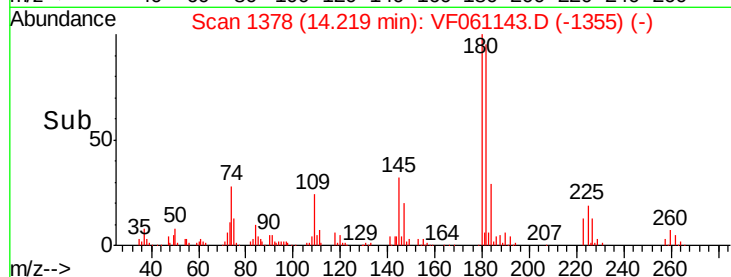
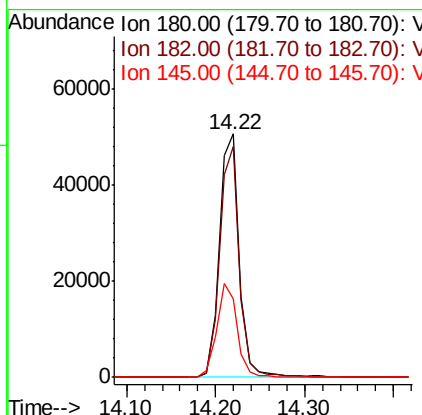
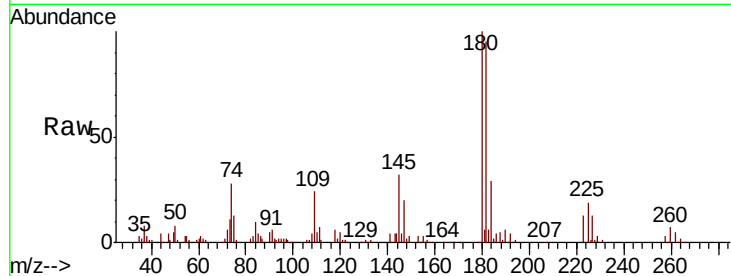
#93
1,2,4-Trichlorobenzene
Concen: 20.226 ug/l
RT: 14.22 min Scan# 1378
Delta R.T. 0.02 min
Lab File: VF061143.D
Acq: 22 Dec 2018 14:33

Instrument :
MSVOA_F
ClientSampleId :
VF1222SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	79737		
182	95.1	46.9	140.6	
145	32.0	20.5	61.6	

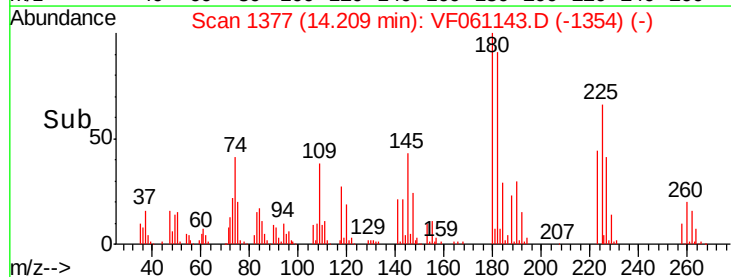
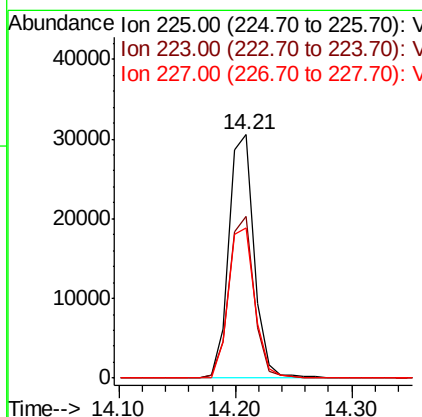
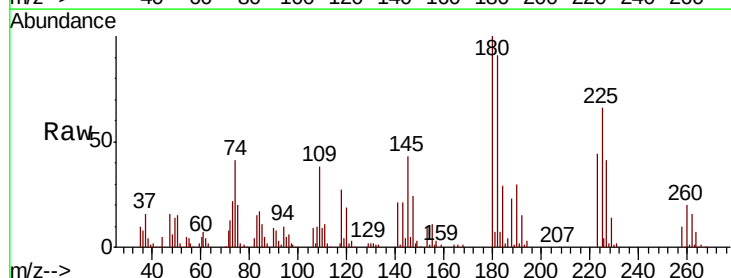
Manual Integrations
APPROVED

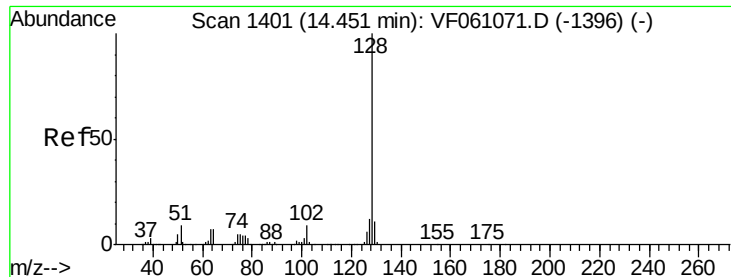
MMDadoda
12/26/2018 11:05:08 AM



#94
Hexachlorobutadiene
Concen: 18.437 ug/l
RT: 14.21 min Scan# 1377
Delta R.T. 0.02 min
Lab File: VF061143.D
Acq: 22 Dec 2018 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	46291		
223	66.3	32.8	98.3	
227	61.9	34.0	101.8	





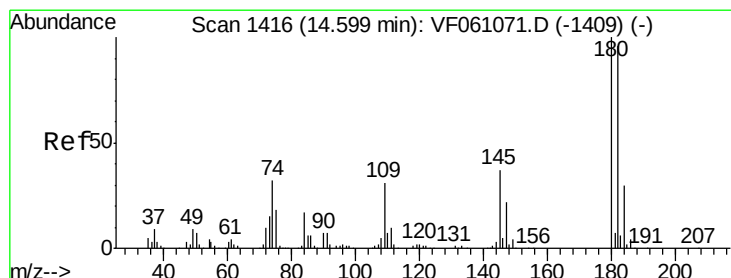
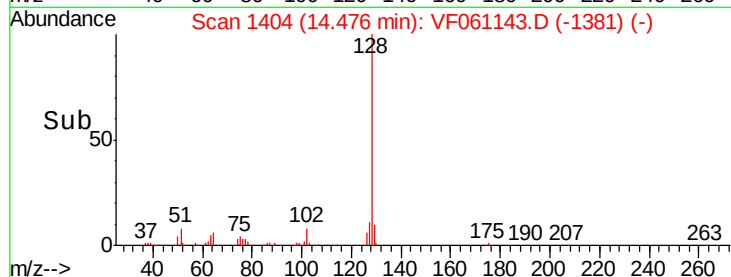
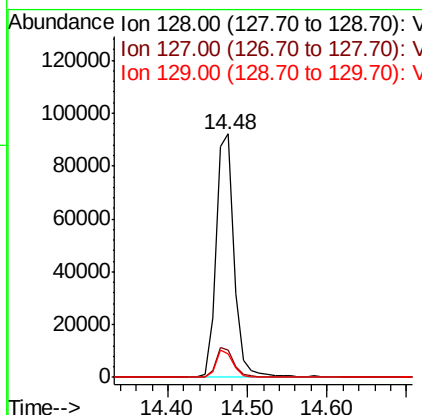
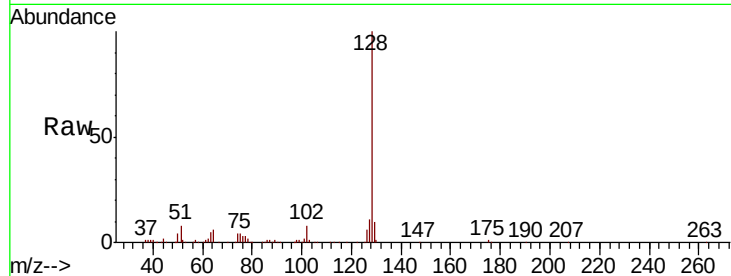
#95
Naphthalene
Concen: 20.586 ug/l
RT: 14.48 min Scan# 1404
Delta R.T. 0.02 min
Lab File: VF061143.D
Acq: 22 Dec 2018 14:33

Instrument :
MSVOA_F
ClientSampleId :
VF1222SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	148189		
127	11.0		9.4	14.2
129	9.9		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
12/26/2018 11:05:08 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.661 ug/l
RT: 14.61 min Scan# 1418
Delta R.T. 0.01 min
Lab File: VF061143.D
Acq: 22 Dec 2018 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	71654		
182	96.7		47.9	143.8
145	34.9		18.6	55.8

