

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100918\
 Data File : VF060499.D
 Acq On : 9 Oct 2018 20:03
 Operator : VA/AP
 Sample : VF1009SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1009SBS01

Manual Integrations
 APPROVED

apatel
 10/10/2018 12:34:12 PM

Quant Time: Oct 10 02:51:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 10 02:28:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	254950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.73	114	417178	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	345842	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	196781	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.99	65	200609	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
35) Dibromofluoromethane	4.26	113	210721	54.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.74%	
50) Toluene-d8	7.68	98	455715	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
62) 4-Bromofluorobenzene	11.49	95	207217	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	121055	24.725	ug/l	98
3) Chloromethane	1.14	50	72204	23.296	ug/l	92
4) Vinyl Chloride	1.17	62	75865	22.566	ug/l	91
5) Bromomethane	1.36	94	57250	21.654	ug/l	98
6) Chloroethane	1.43	64	40031	22.526	ug/l #	87
7) Trichlorofluoromethane	1.54	101	164137	21.782	ug/l	94
8) Diethyl Ether	1.69	74	24056	22.311	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.88	101	84650	22.457	ug/l	97
10) Methyl Iodide	1.95	142	131209m	21.955	ug/l	
11) Tert butyl alcohol	2.67	59	24765	122.239	ug/l #	94
12) 1,1-Dichloroethene	1.84	96	67340	21.387	ug/l #	74
13) Acrolein	2.08	56	13940	132.643	ug/l	95
14) Allyl chloride	2.17	41	101004	21.762	ug/l	98
15) Acrylonitrile	3.05	53	43954	103.054	ug/l	97
16) Acetone	2.33	43	93694	114.755	ug/l	93
17) Carbon Disulfide	1.89	76	196371	22.427	ug/l	96
18) Methyl Acetate	2.44	43	32999	21.424	ug/l	96
19) Methyl tert-butyl Ether	2.52	73	157377	22.204	ug/l	96
20) Methylene Chloride	2.31	84	66160m	22.495	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	70074	23.844	ug/l	96
22) Diisopropyl ether	2.91	45	205566	21.547	ug/l	98
23) Vinyl Acetate	3.30	43	357585	107.070	ug/l	100
24) 1,1-Dichloroethane	2.98	63	140035	21.872	ug/l	98
25) 2-Butanone	4.48	43	97915	106.169	ug/l	100
26) 2,2-Dichloropropane	3.74	77	70918	21.244	ug/l	93
27) cis-1,2-Dichloroethene	3.60	96	70999	20.697	ug/l	89
28) Bromochloromethane	3.86	49	45011	20.241	ug/l	94
29) Tetrahydrofuran	4.22	42	39002	100.321	ug/l	94
30) Chloroform	4.00	83	159268	21.496	ug/l	99
31) Cyclohexane	3.83	56	88466	21.599	ug/l	96
32) 1,1,1-Trichloroethane	4.24	97	108165	18.531	ug/l	98
36) 1,1-Dichloropropene	4.42	75	110809	22.835	ug/l	93
37) Ethyl Acetate	4.25	43	38648	22.548	ug/l	90
38) Carbon Tetrachloride	4.13	117	116980	23.999	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.59	83	98935	21.654	ug/l	95
40) Benzene	4.78	78	204551	20.531	ug/l	97
41) Methacrylonitrile	4.90	41	19184	19.699	ug/l #	85
42) 1,2-Dichloroethane	5.08	62	92015	20.358	ug/l	98
43) Isopropyl Acetate	7.08	43	39793	18.627	ug/l #	98
44) Trichloroethene	5.64	130	70818	22.817	ug/l	96
45) 1,2-Dichloropropane	6.37	63	52090	21.358	ug/l	94
46) Dibromomethane	6.22	93	34505	17.637	ug/l	89
47) Bromodichloromethane	6.52	83	102921	20.830	ug/l	98
48) Methyl methacrylate	6.84	41	27923	19.296	ug/l	87
49) 1,4-Dioxane	6.85	88	5399	393.547	ug/l #	87
51) 4-Methyl-2-Pentanone	8.37	43	142693	95.753	ug/l	99
52) Toluene	7.75	92	124725	19.877	ug/l	89
53) t-1,3-Dichloropropene	8.40	75	76108	19.833	ug/l	96
54) cis-1,3-Dichloropropene	7.43	75	91638	20.504	ug/l	92
55) 1,1,2-Trichloroethane	8.61	97	38392	19.908	ug/l	98
56) Ethyl methacrylate	8.74	69	37025	16.594	ug/l	98
57) 1,3-Dichloropropane	8.97	76	66705	20.088	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.75	63	24033	105.996	ug/l	100
59) 2-Hexanone	9.60	43	105944	98.284	ug/l	97
60) Dibromochloromethane	8.83	129	62073	20.506	ug/l	90
61) 1,2-Dibromoethane	9.11	107	43193	19.823	ug/l	98
64) Tetrachloroethene	8.27	164	59727	21.789	ug/l	92
65) Chlorobenzene	9.91	112	142056	21.150	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.04	131	66946	22.128	ug/l	97
67) Ethyl Benzene	10.01	91	276975	21.858	ug/l	96
68) m/p-Xylenes	10.24	106	192329	44.462	ug/l	90
69) o-Xylene	10.81	106	108481	23.060	ug/l	95
70) Styrene	10.87	104	150764	22.265	ug/l	98
71) Bromoform	10.86	173	33597	21.904	ug/l #	97
73) Isopropylbenzene	11.21	105	331510	22.664	ug/l	98
74) N-amyl acetate	11.45	43	62300	19.568	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.77	83	54826	22.300	ug/l	94
76) 1,2,3-Trichloropropane	11.87	75	38829	20.430	ug/l	88
77) Bromobenzene	11.57	156	69432	21.360	ug/l	95
78) n-propylbenzene	11.67	91	398815	22.893	ug/l	99
79) 2-Chlorotoluene	11.79	91	223107	21.876	ug/l	98
80) 1,3,5-Trimethylbenzene	11.89	105	276894	22.565	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.94	75	18142m	21.893	ug/l	
82) 4-Chlorotoluene	11.97	91	227530	21.624	ug/l	96
83) tert-Butylbenzene	12.19	119	278953	22.613	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	280167	22.488	ug/l	100
85) sec-Butylbenzene	12.37	105	379995	22.713	ug/l	100
86) p-Isopropyltoluene	12.52	119	304958	22.204	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	134394	21.706	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	126287	21.032	ug/l	98
89) n-Butylbenzene	12.90	91	334368	23.265	ug/l	98
90) Hexachloroethane	12.97	117	78051	23.765	ug/l	80
91) 1,2-Dichlorobenzene	13.00	146	133683	22.429	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	13.69	75	9343	17.904	ug/l	96

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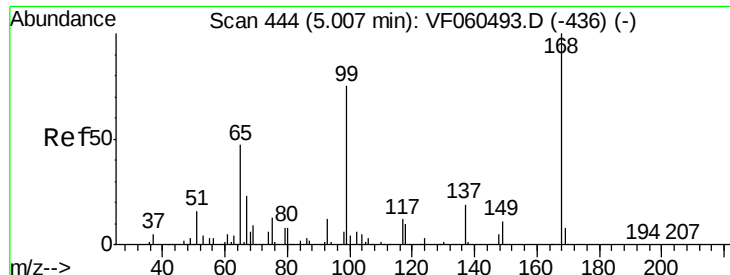
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	102095	22.181	ug/l	98
94) Hexachlorobutadiene	14.25	225	70047	22.384	ug/l	91
95) Naphthalene	14.51	128	169615	21.436	ug/l	97
96) 1,2,3-Trichlorobenzene	14.65	180	93494	21.802	ug/l	89

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.01 min Scan# 444

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBS01

Tot Ion:168 Resp: 254950

Ion Ratio Lower Upper

168 100

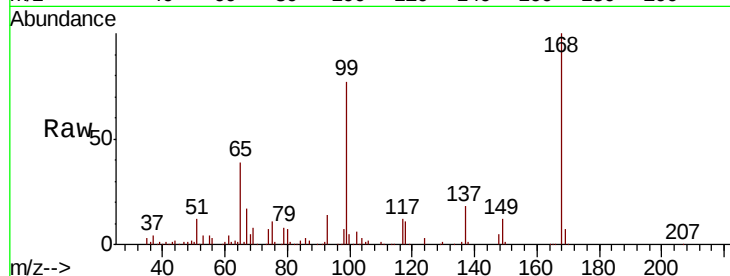
99 76.7 60.3 90.5

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.01

80000

60000

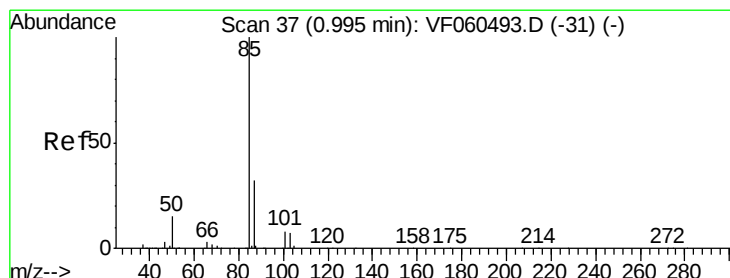
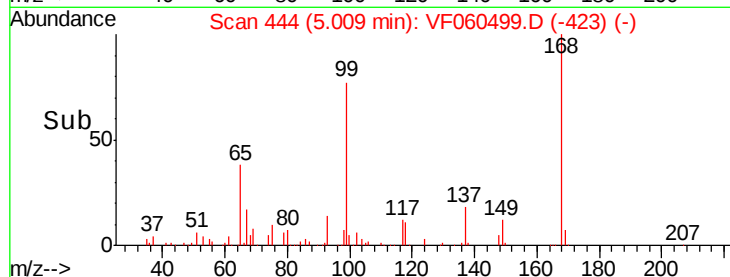
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 24.725 ug/l

RT: 1.00 min Scan# 37

Delta R.T. 0.00 min

Lab File: VF060499.D

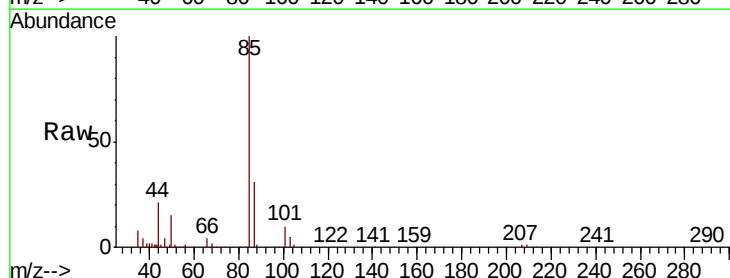
Acq: 9 Oct 2018 20:03

Tgt Ion: 85 Resp: 121055

Ion Ratio Lower Upper

85 100

87 31.1 16.2 48.5



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

40000

30000

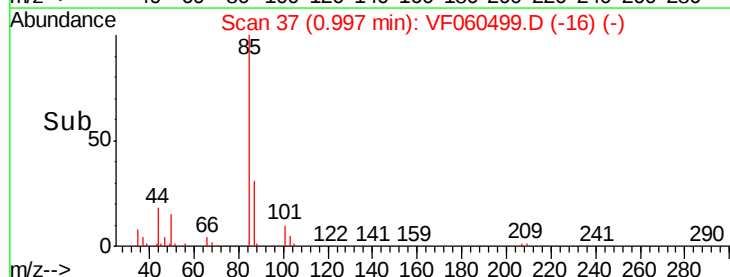
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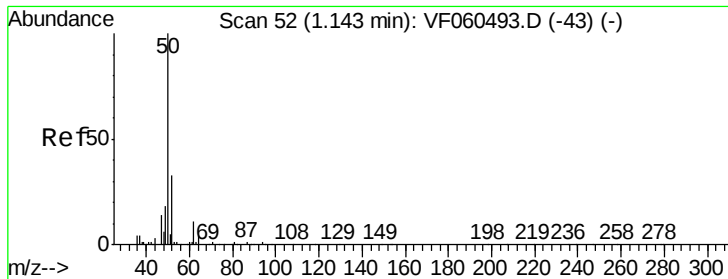
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Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 23.296 ug/l

RT: 1.14 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBS01

Tot Ion: 50 Resp: 72204

Ion Ratio Lower Upper

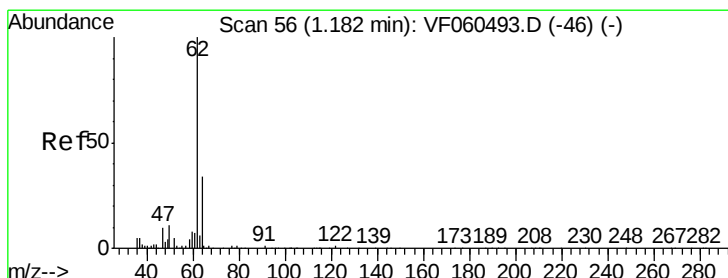
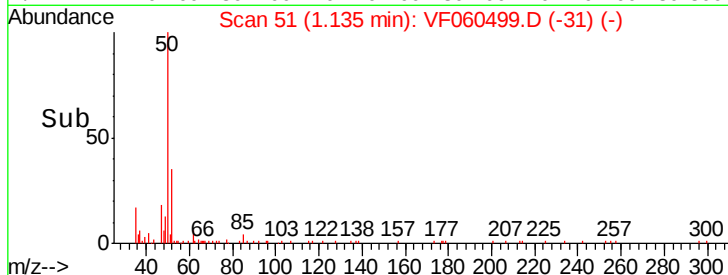
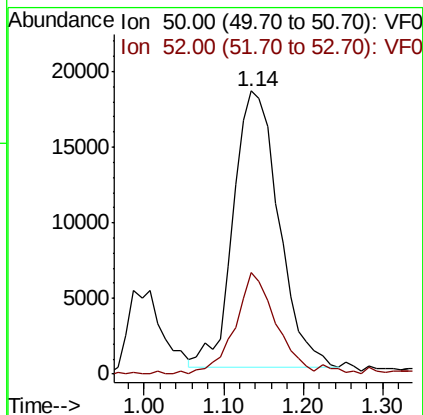
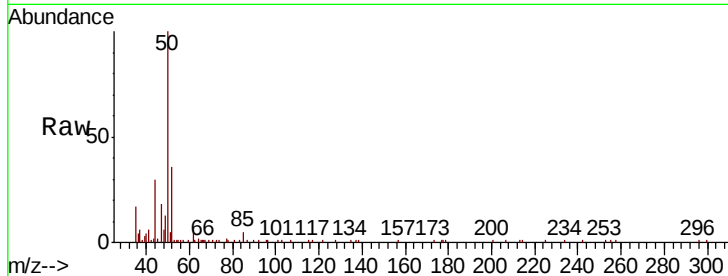
50 100

52 35.7 25.0 37.4

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#4

Vinyl Chloride

Concen: 22.566 ug/l

RT: 1.17 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060499.D

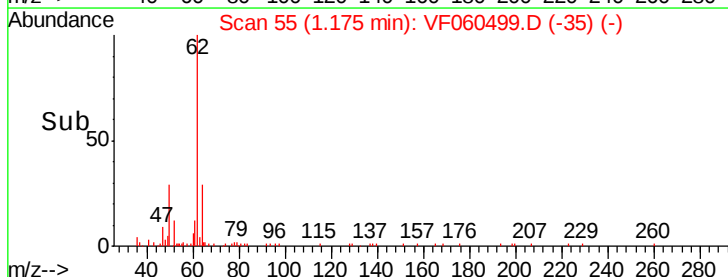
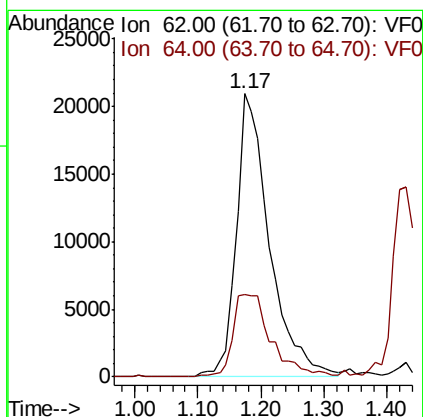
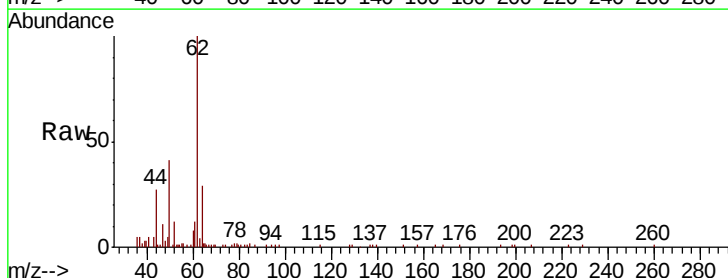
Acq: 9 Oct 2018 20:03

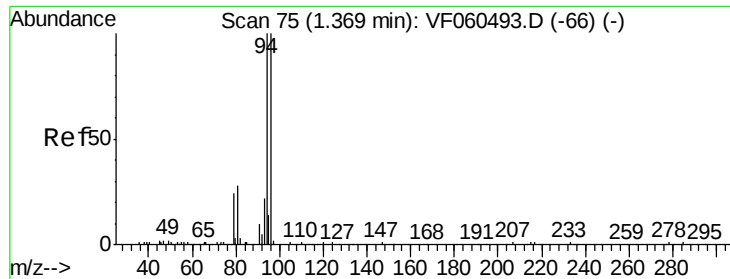
Tgt Ion: 62 Resp: 75865

Ion Ratio Lower Upper

62 100

64 29.1 27.5 41.3





#5

Bromomethane

Concen: 21.654 ug/l

RT: 1.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

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ClientSampleId :

VF1009SBS01

Tot Ion: 94 Resp: 57250

Ion Ratio Lower Upper

94 100

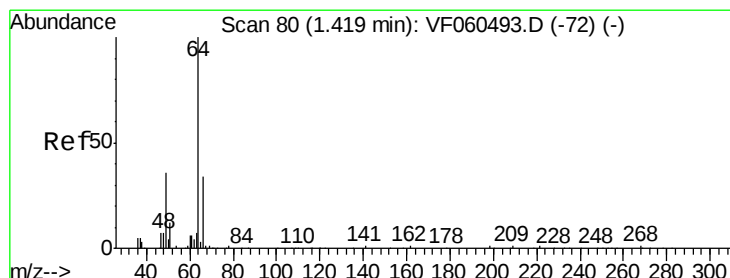
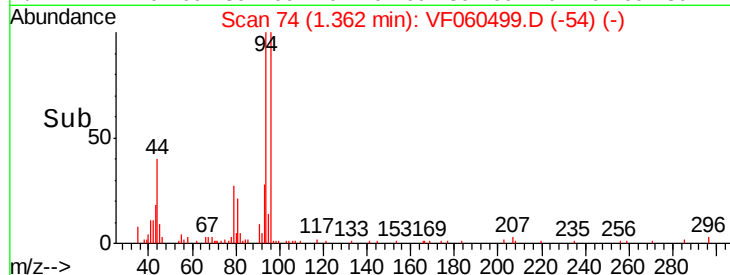
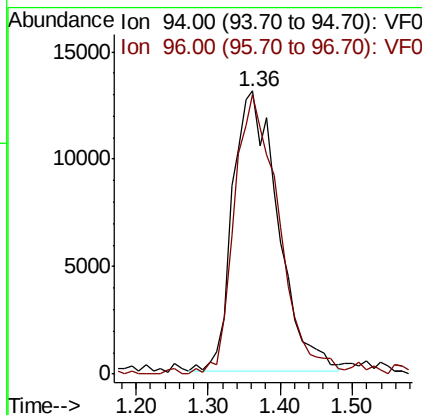
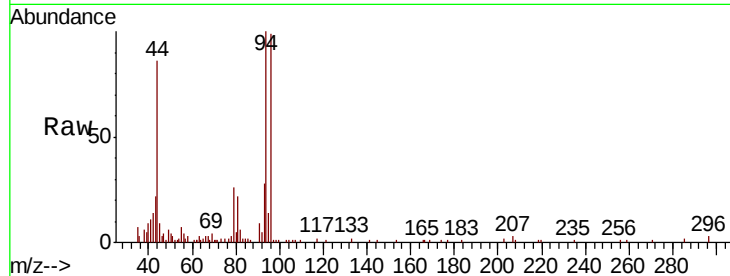
96 98.9 80.6 120.8

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#6

Chloroethane

Concen: 22.526 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.01 min

Lab File: VF060499.D

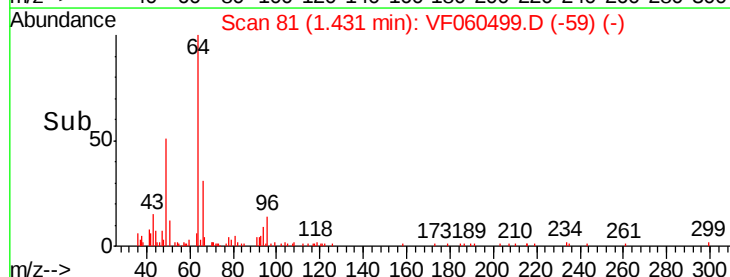
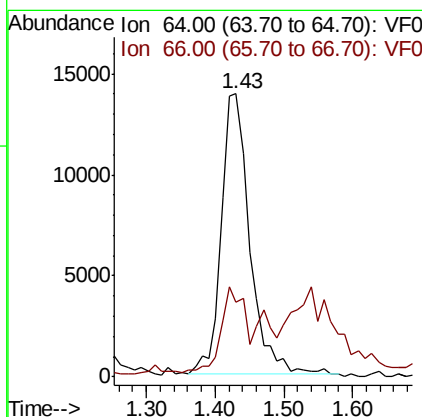
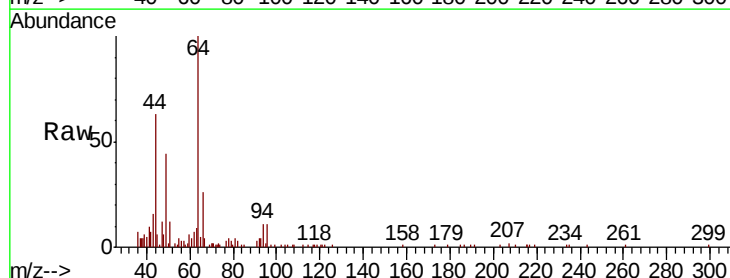
Acq: 9 Oct 2018 20:03

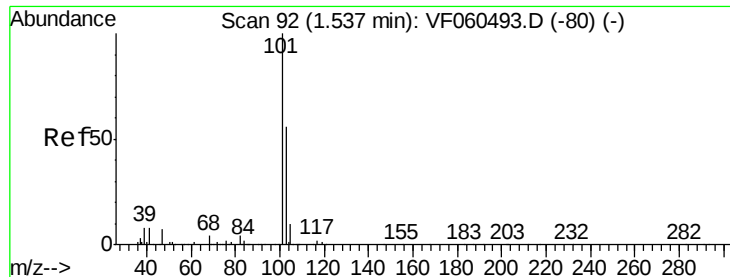
Tgt Ion: 64 Resp: 40031

Ion Ratio Lower Upper

64 100

66 26.4 27.0 40.6#





#7

Trichlorofluoromethane

Concen: 21.782 ug/l

RT: 1.54 min Scan# 92

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

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ClientSampleId :

VF1009SBS01

Tot Ion:101 Resp: 164137

Ion Ratio Lower Upper

101 100

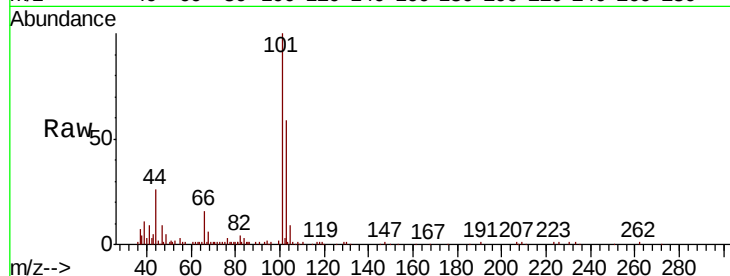
103 59.8 44.6 66.8

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

30000

25000

20000

15000

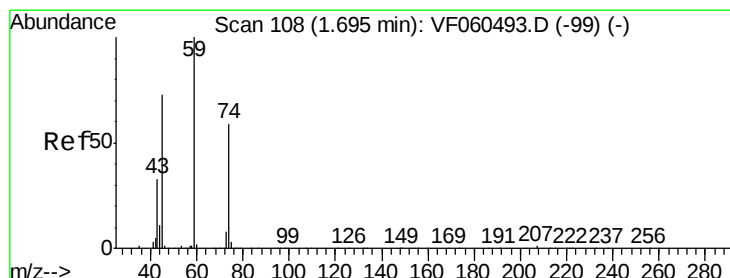
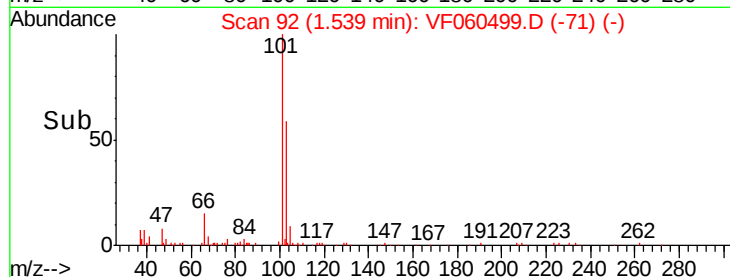
10000

5000

0

1.40 1.50 1.60 1.70

Time-->



#8

Diethyl Ether

Concen: 22.311 ug/l

RT: 1.69 min Scan# 107

Delta R.T. -0.01 min

Lab File: VF060499.D

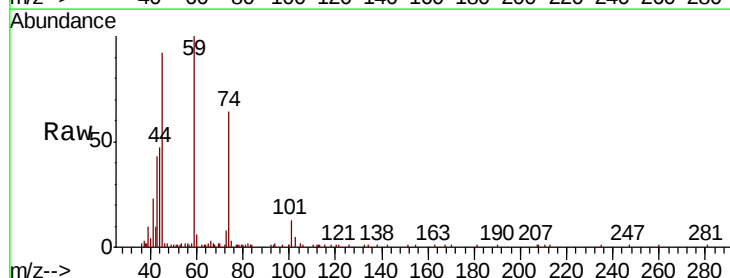
Acq: 9 Oct 2018 20:03

Tgt Ion: 74 Resp: 24056

Ion Ratio Lower Upper

74 100

45 145.0 62.7 188.1



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

20000

15000

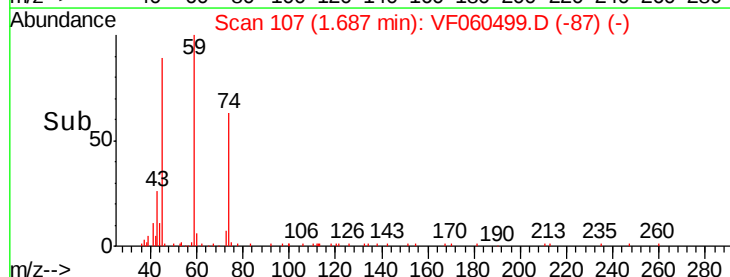
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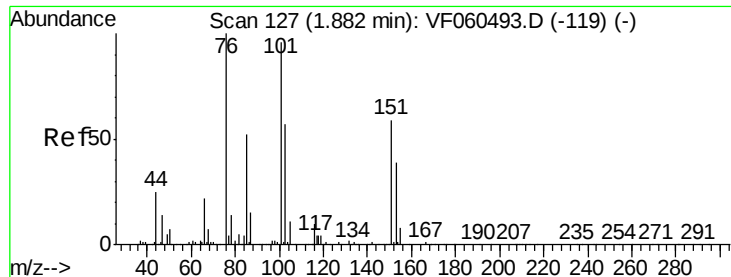
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0

1.60 1.65 1.70 1.75 1.80

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.457 ug/l

RT: 1.88 min Scan# 127

Delta R.T. 0.00 min

Lab File: VF060499.D

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MSVOA_F

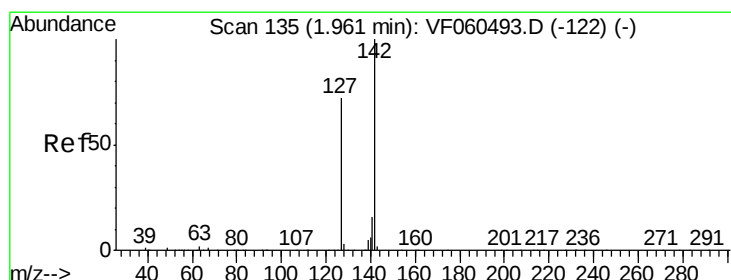
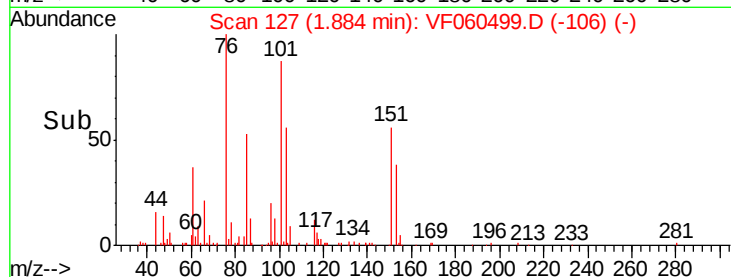
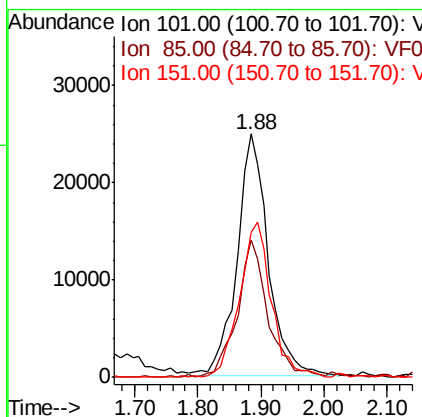
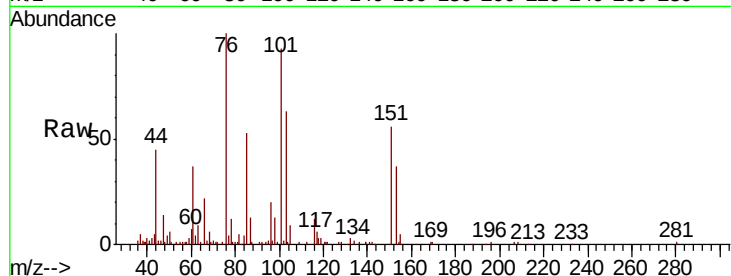
ClientSampleId :

VF1009SBS01

Tot Ion:	101	Resp:	84650
Ion Ratio	Lower	Upper	
101	100		
85	56.5	41.8	62.6
151	59.7	47.4	71.0

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#10

Methyl Iodide

Concen: 21.955 ug/l m

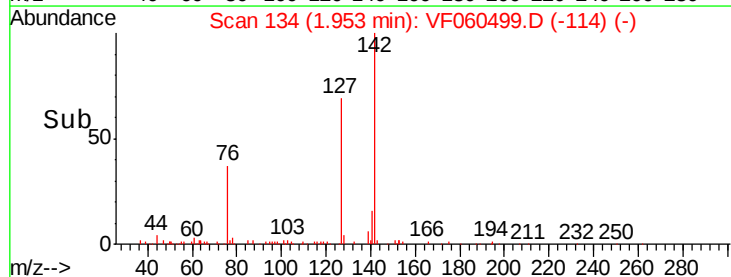
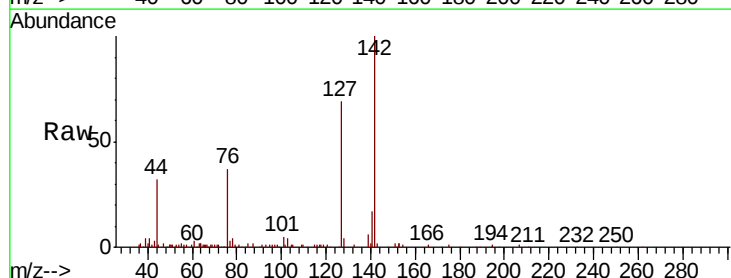
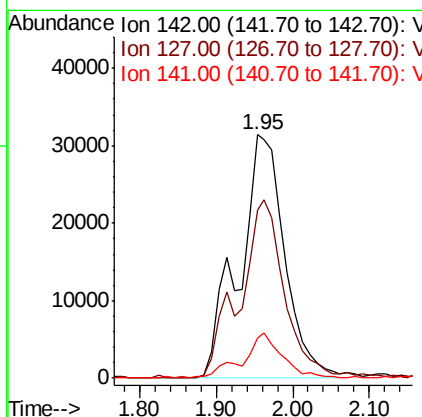
RT: 1.95 min Scan# 134

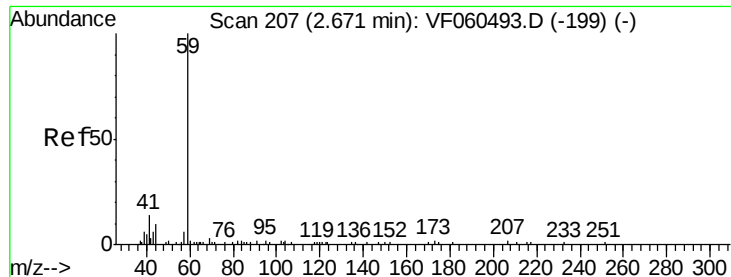
Delta R.T. -0.01 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Tgt Ion:	142	Resp:	131209
Ion Ratio	Lower	Upper	
142	100		
127	69.2	57.9	86.9
141	16.5	12.7	19.1





#11

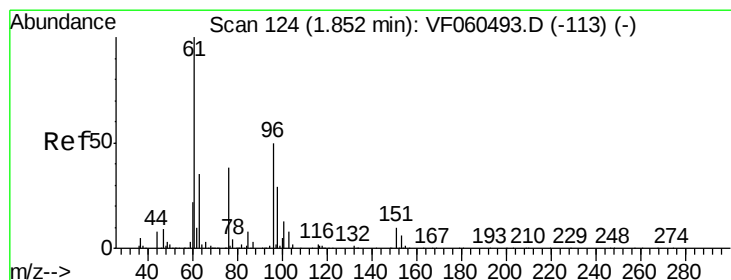
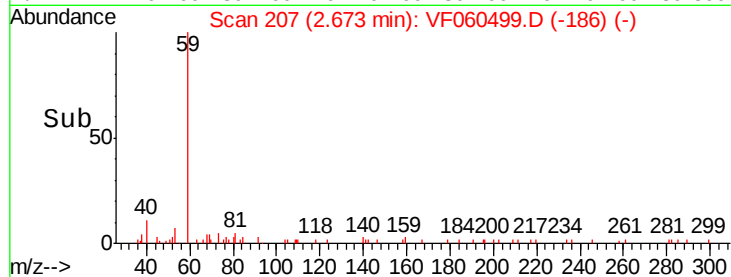
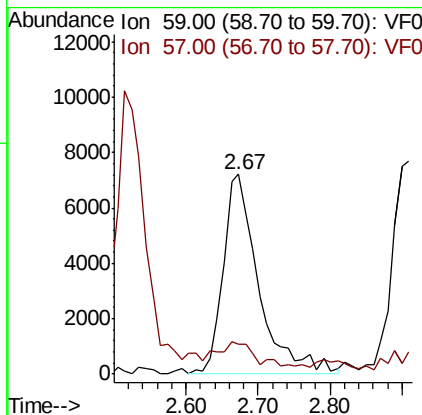
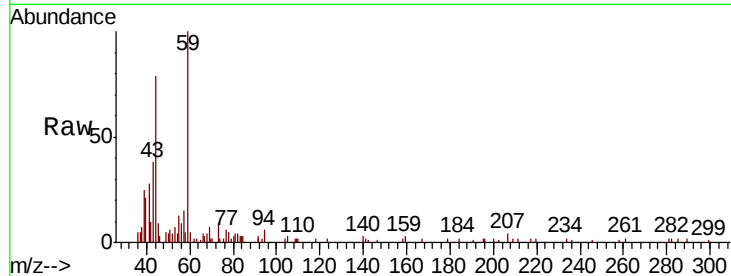
Tert butyl alcohol
 Concen: 122.239 ug/l
 RT: 2.67 min Scan# 207
 Delta R.T. 0.00 min
 Lab File: VF060499.D
 Acq: 9 Oct 2018 20:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1009SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	15.2	10.2	15.2#

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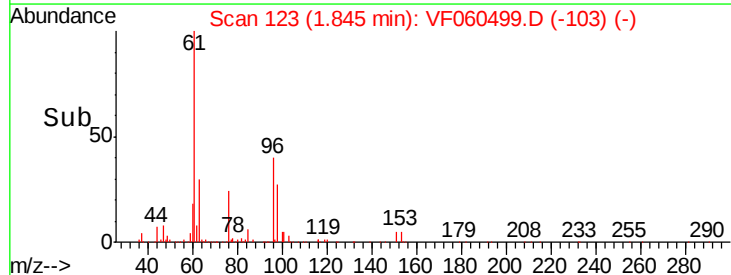
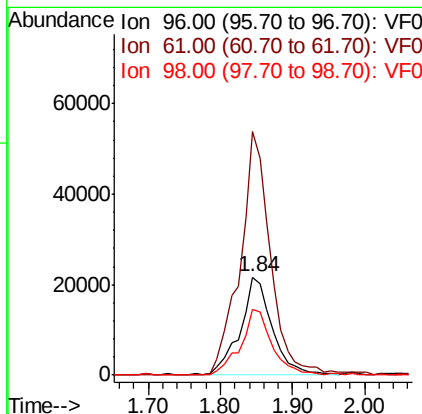
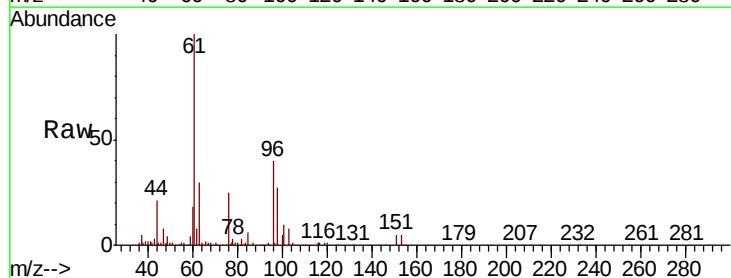
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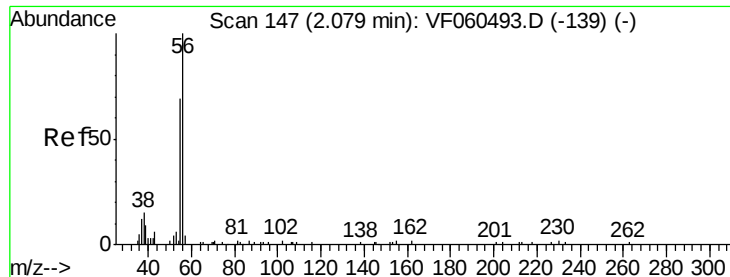


#12

1,1-Dichloroethene
 Concen: 21.387 ug/l
 RT: 1.84 min Scan# 123
 Delta R.T. -0.01 min
 Lab File: VF060499.D
 Acq: 9 Oct 2018 20:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	248.9	161.9	242.9#
98	66.9	47.4	71.2





#13

Acrolein

Concen: 132.643 ug/l

RT: 2.08 min Scan# 147

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBS01

Tot Ion: 56 Resp: 13940

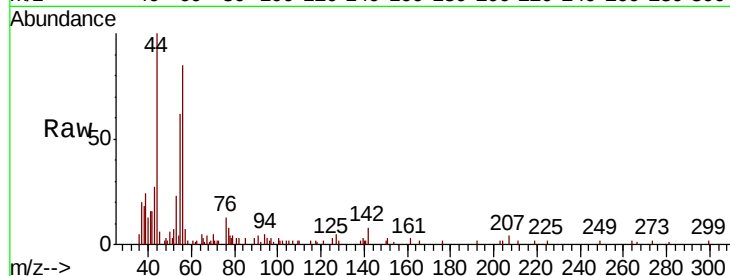
Ion Ratio Lower Upper

56 100

55 73.4 55.3 82.9

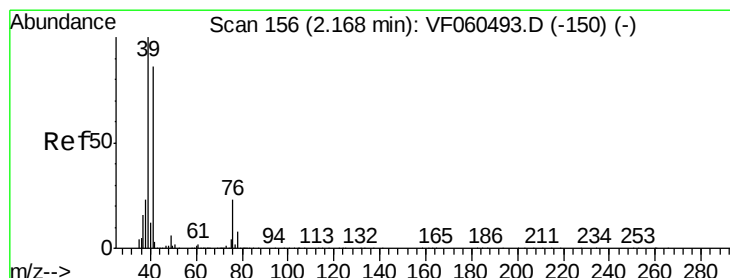
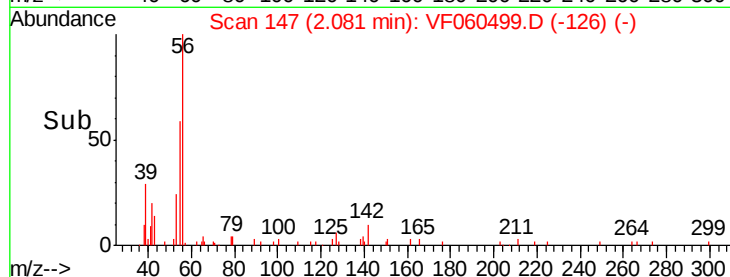
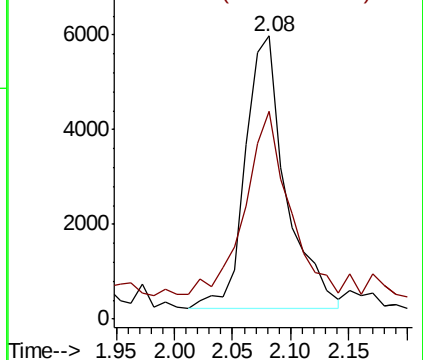
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 21.762 ug/l

RT: 2.17 min Scan# 156

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

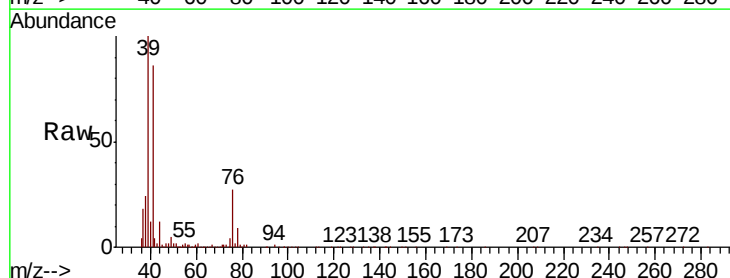
Tgt Ion: 41 Resp: 101004

Ion Ratio Lower Upper

41 100

39 116.8 93.1 139.7

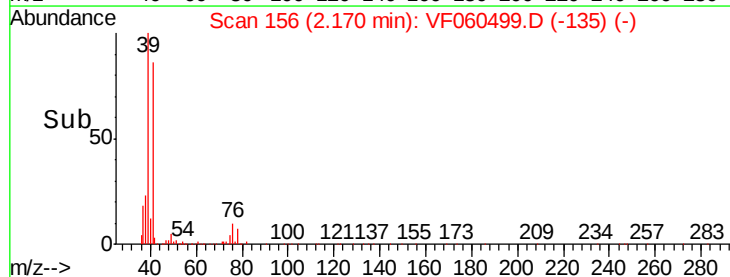
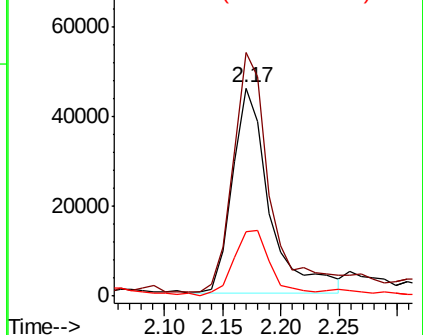
76 31.1 21.6 32.4

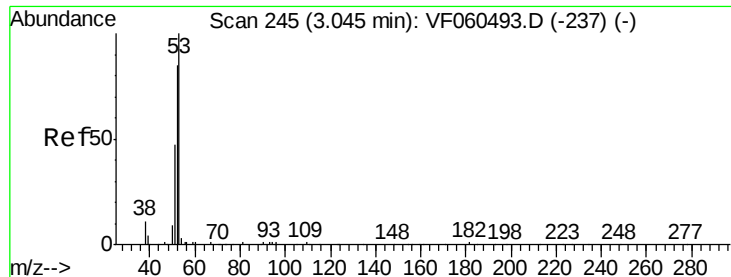


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 103.054 ug/l

RT: 3.05 min Scan# 245

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

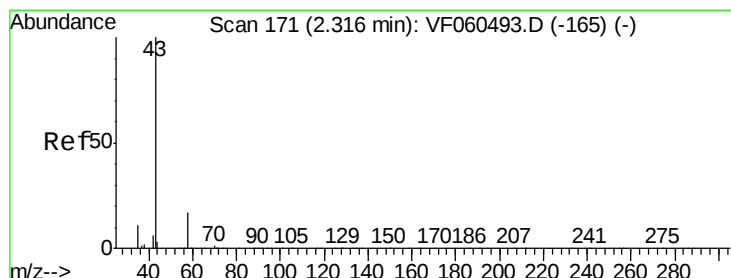
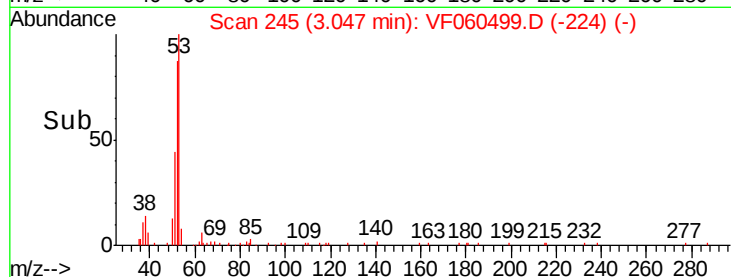
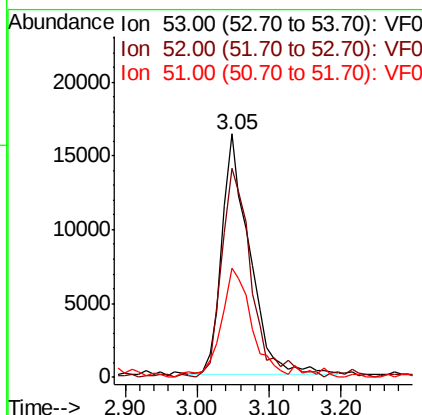
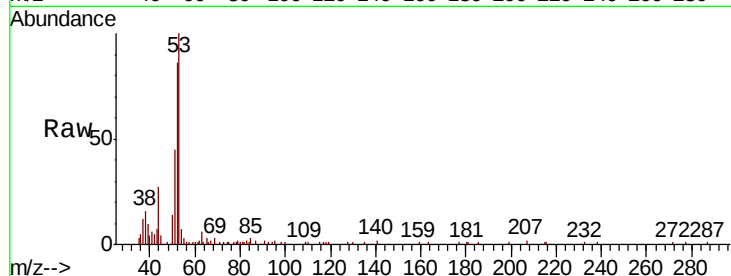
ClientSampleId :

VF1009SBS01

Tot Ion:	53	Resp:	43954
Ion	Ratio	Lower	Upper
53	100		
52	86.1	67.5	101.3
51	44.7	38.2	57.4

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#16

Acetone

Concen: 114.755 ug/l

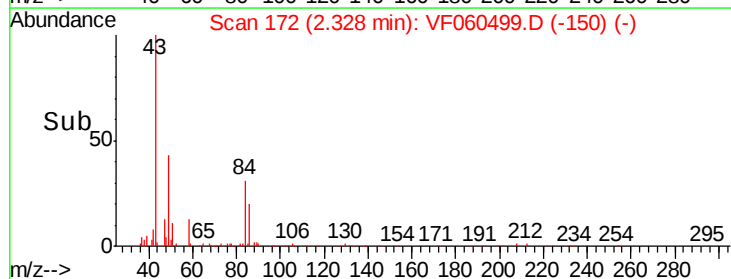
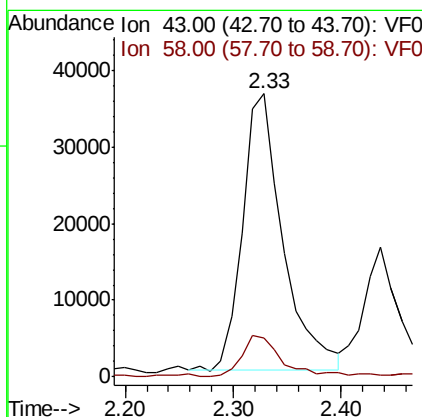
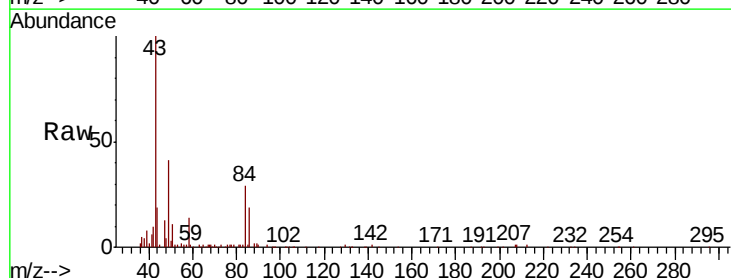
RT: 2.33 min Scan# 172

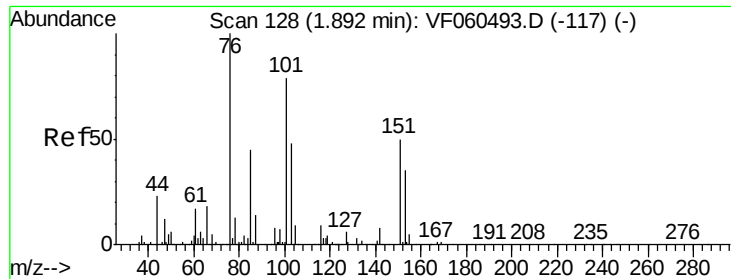
Delta R.T. 0.01 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Tgt Ion:	43	Resp:	93694
Ion	Ratio	Lower	Upper
43	100		
58	13.5	13.2	19.8





#17

Carbon Disulfide

Concen: 22.427 ug/l

RT: 1.89 min Scan# 128

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBS01

Tot Ion: 76 Resp: 196371

Ion Ratio Lower Upper

76 100

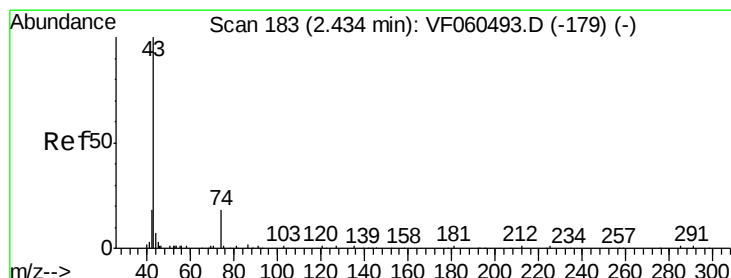
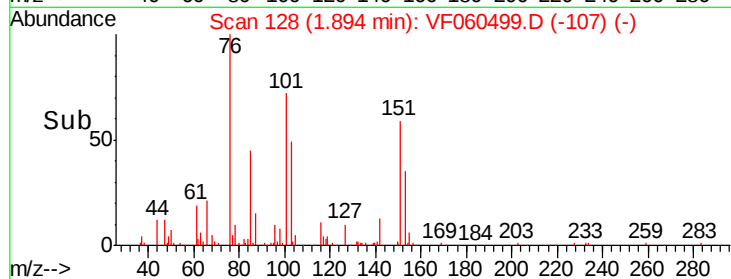
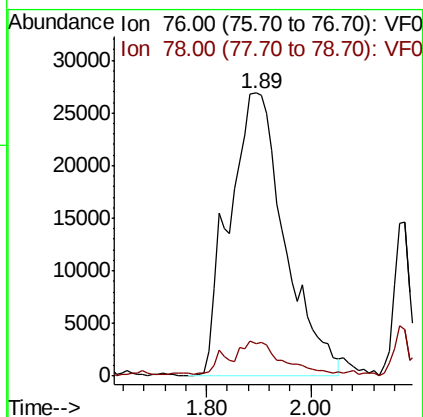
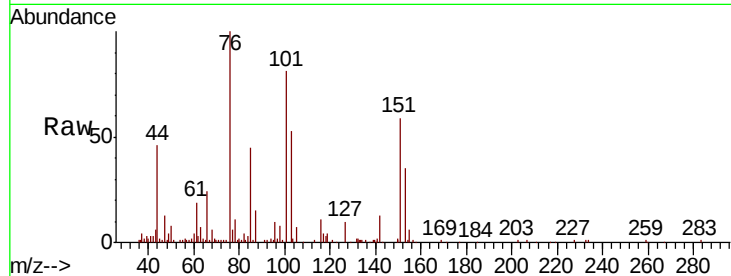
78 11.4 10.5 15.7

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#18

Methyl Acetate

Concen: 21.424 ug/l

RT: 2.44 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF060499.D

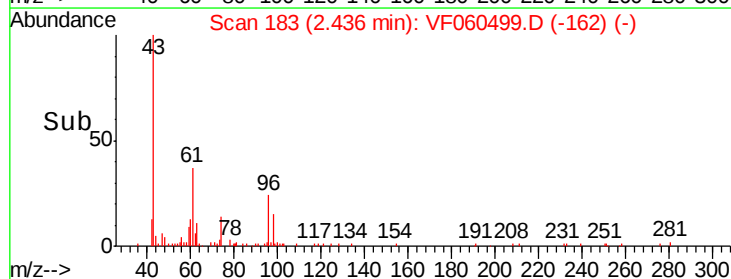
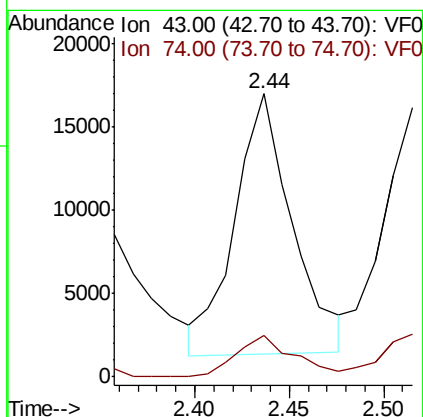
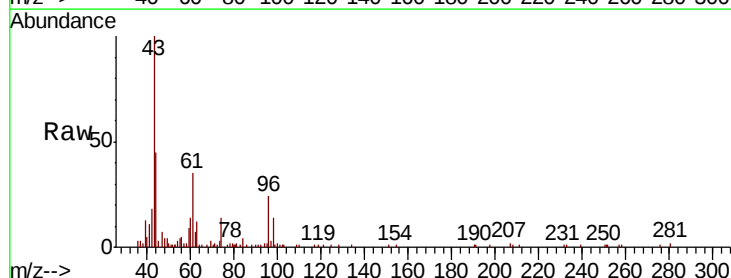
Acq: 9 Oct 2018 20:03

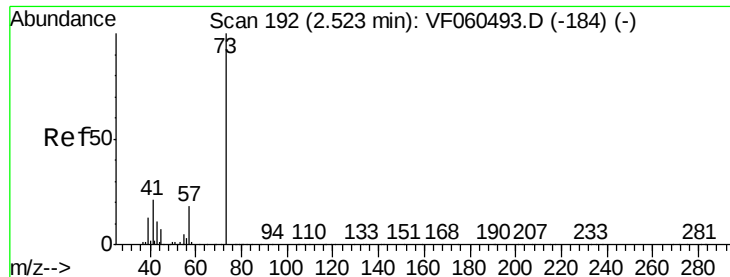
Tgt Ion: 43 Resp: 32999

Ion Ratio Lower Upper

43 100

74 14.4 12.9 19.3





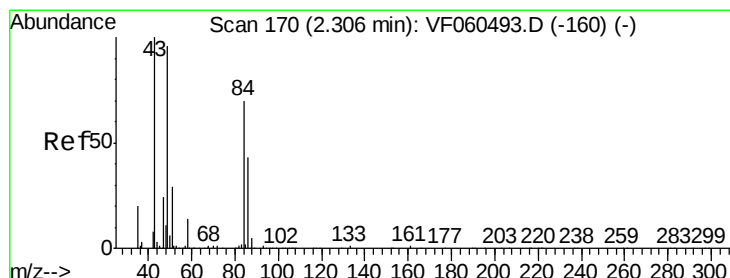
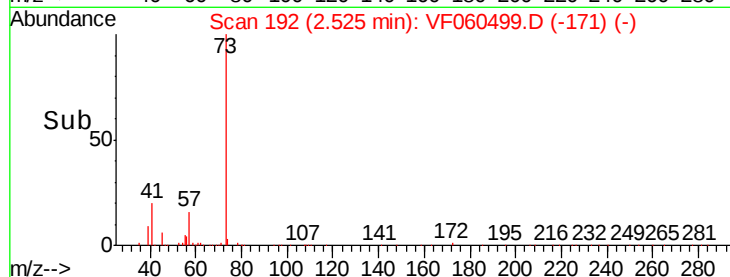
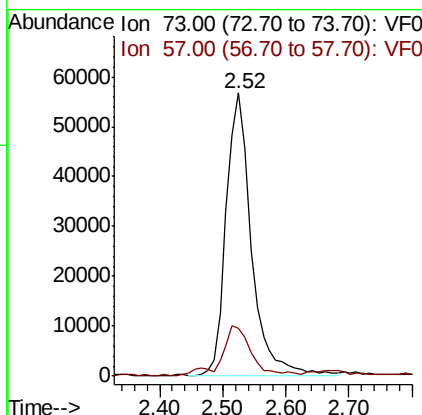
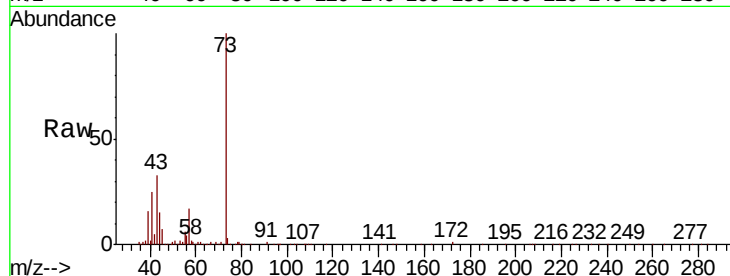
#19
Methyl tert-butyl Ether
Concen: 22.204 ug/l
RT: 2.52 min Scan# 192
Delta R.T. 0.00 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Instrument :
MSVOA_F
ClientSampleId :
VF1009SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.8	15.0	22.6

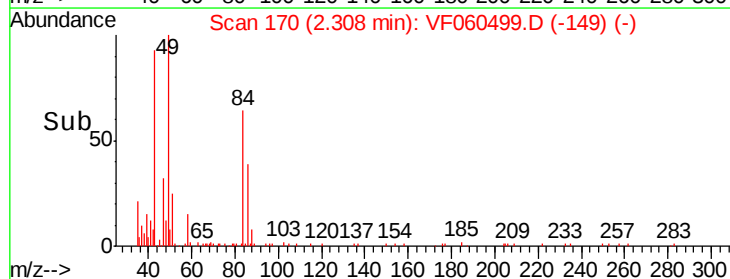
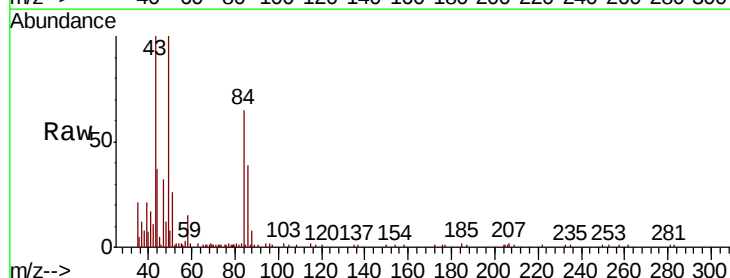
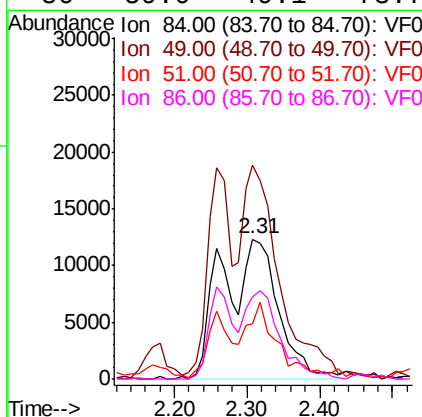
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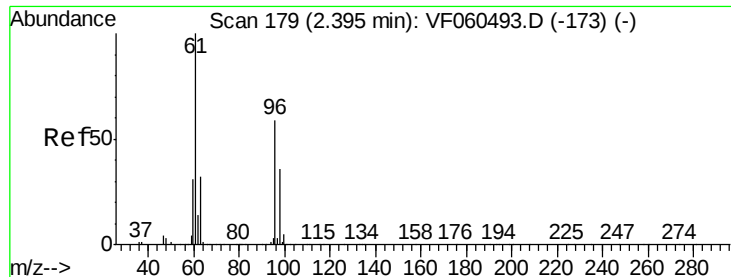
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#20
Methylene Chloride
Concen: 22.495 ug/l m
RT: 2.31 min Scan# 170
Delta R.T. 0.00 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	153.0	111.5	167.3
51	39.8	34.6	52.0
86	59.0	49.1	73.7





#21

trans-1,2-Dichloroethene

Concen: 23.844 ug/l

RT: 2.40 min Scan# 179

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

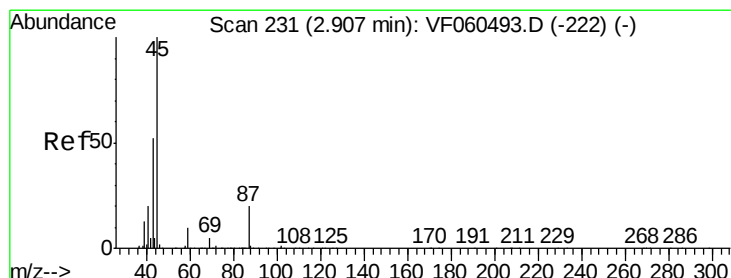
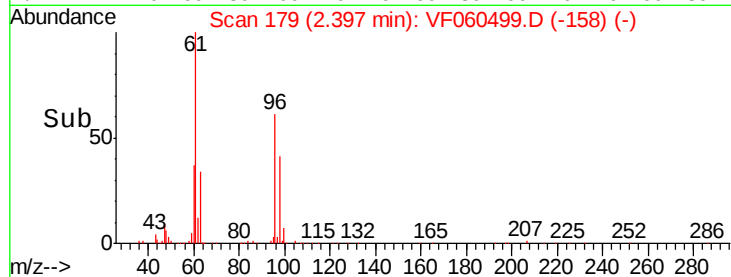
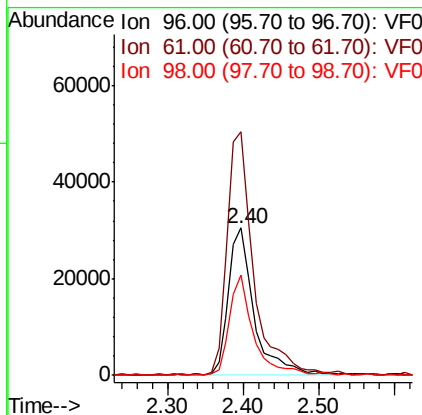
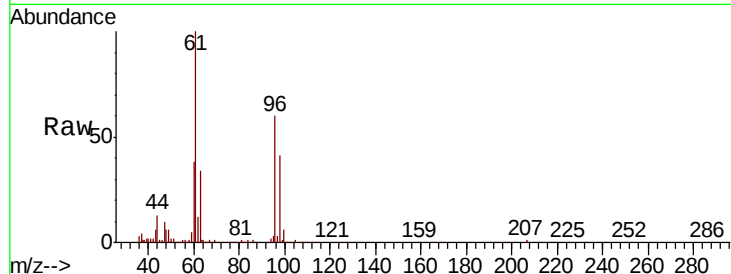
ClientSampleId :

VF1009SBS01

Tot Ion:	96	Resp:	70074
Ion	Ratio	Lower	Upper
96	100		
61	165.6	136.2	204.4
98	67.8	49.7	74.5

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#22

Diisopropyl ether

Concen: 21.547 ug/l

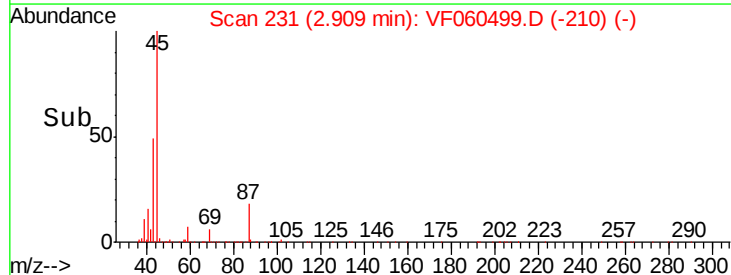
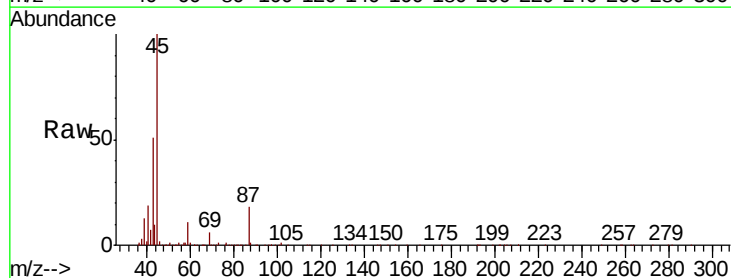
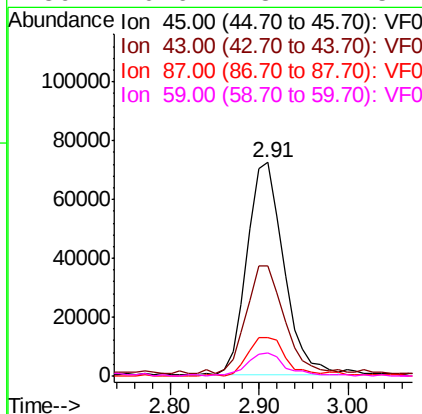
RT: 2.91 min Scan# 231

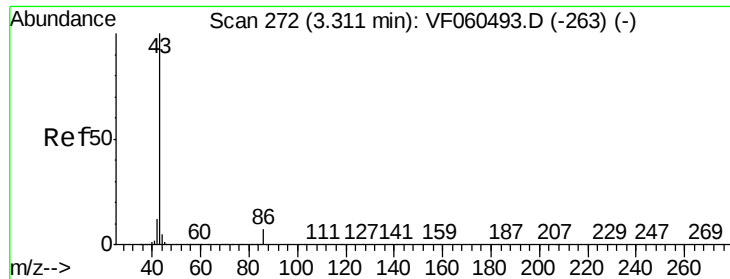
Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Tgt Ion:	45	Resp:	205566
Ion	Ratio	Lower	Upper
45	100		
43	51.4	41.8	62.8
87	17.8	15.7	23.5
59	10.6	8.7	13.1





#23

Vinyl Acetate

Concen: 107.070 ug/l

RT: 3.30 min Scan# 271

Delta R.T. -0.01 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBS01

Tot Ion: 43 Resp: 357585

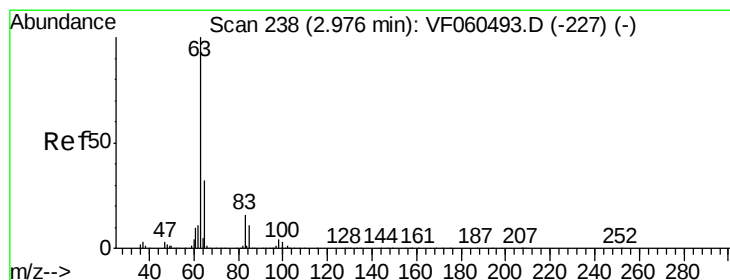
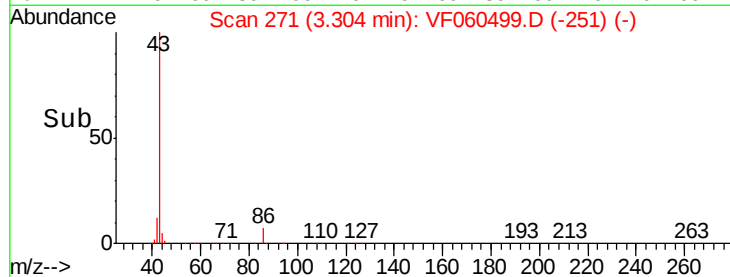
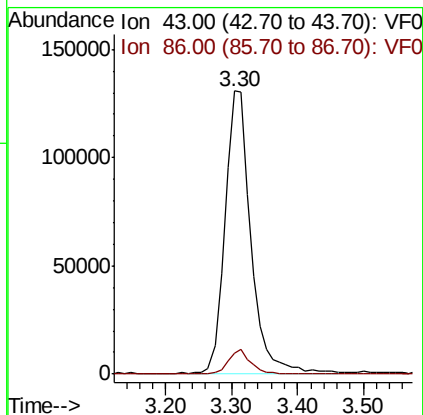
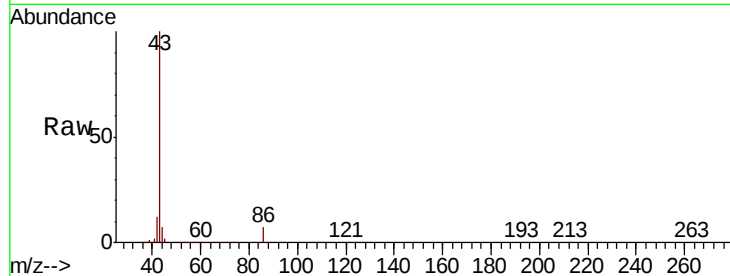
Ion Ratio Lower Upper

43 100

86 7.3 5.8 8.8

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#24

1,1-Dichloroethane

Concen: 21.872 ug/l

RT: 2.98 min Scan# 238

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

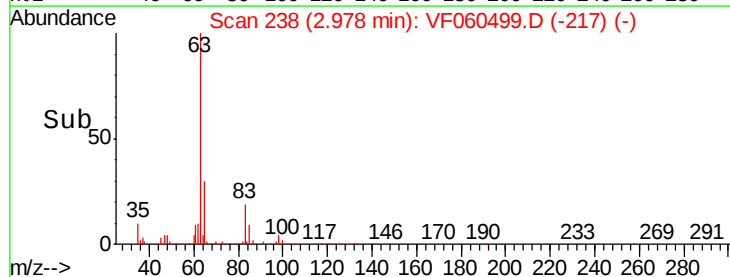
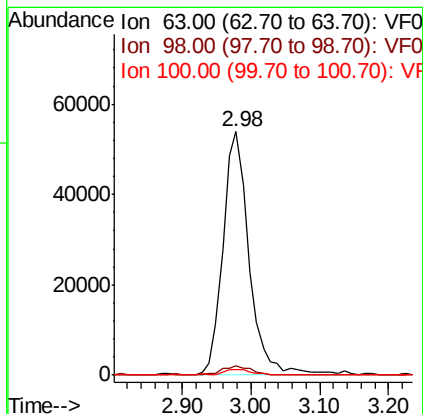
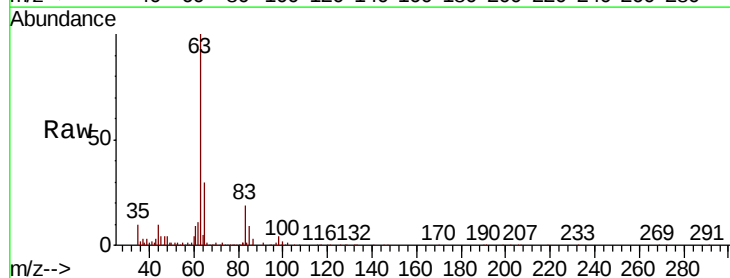
Tgt Ion: 63 Resp: 140035

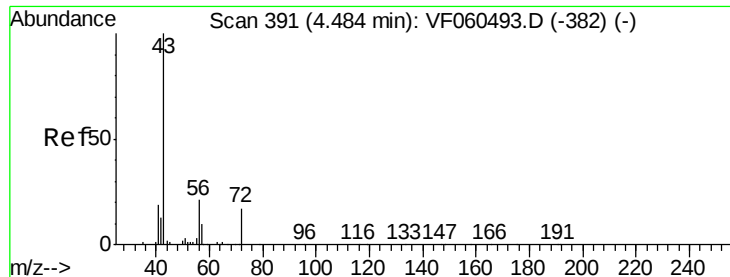
Ion Ratio Lower Upper

63 100

98 4.0 2.2 6.6

100 2.1 1.5 4.4





#25

2-Butanone

Concen: 106.169 ug/l

RT: 4.48 min Scan# 390

Delta R.T. -0.01 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBS01

Tot Ion: 43 Resp: 97915

Ion Ratio Lower Upper

43 100

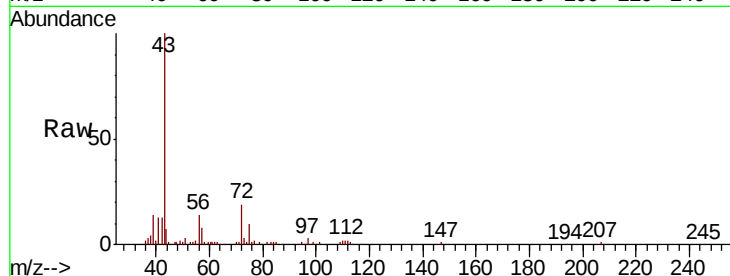
72 18.8 15.0 22.6

Manual Integrations

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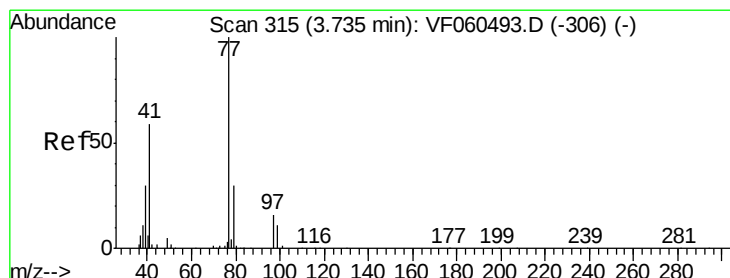
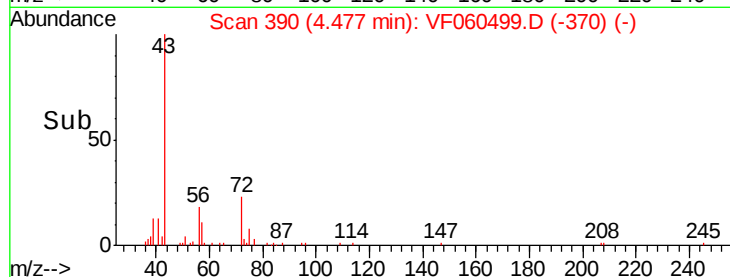
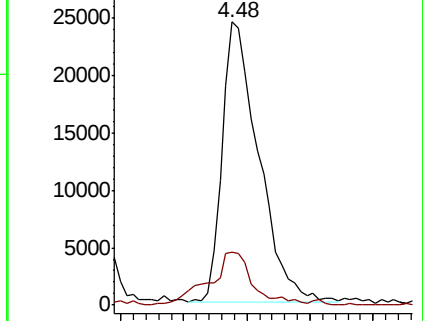
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 21.244 ug/l

RT: 3.74 min Scan# 315

Delta R.T. 0.00 min

Lab File: VF060499.D

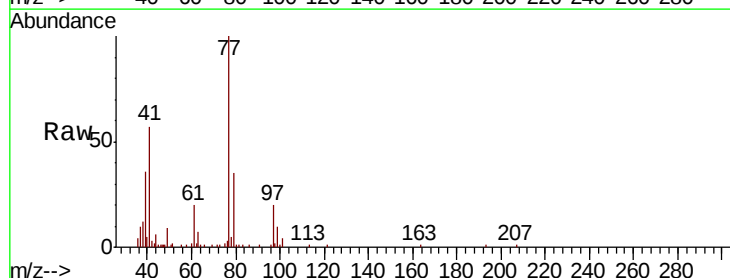
Acq: 9 Oct 2018 20:03

Tgt Ion: 77 Resp: 70918

Ion Ratio Lower Upper

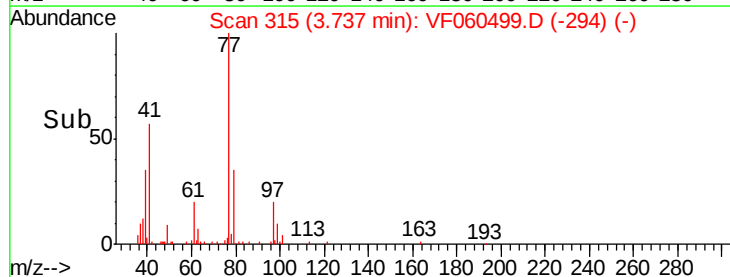
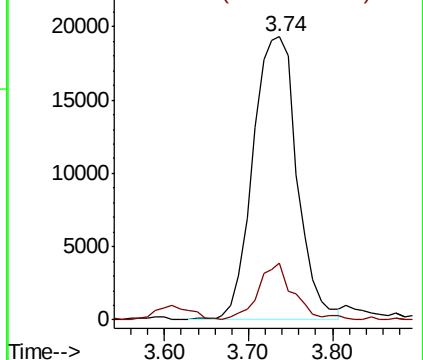
77 100

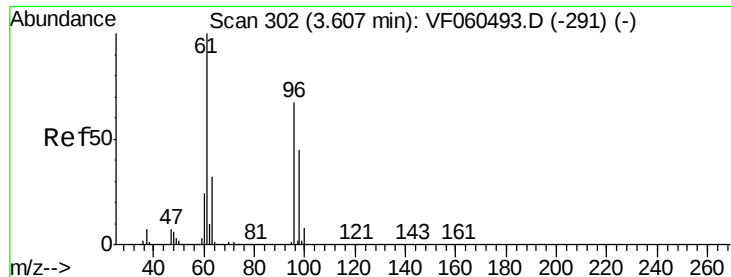
97 20.2 8.6 25.7



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

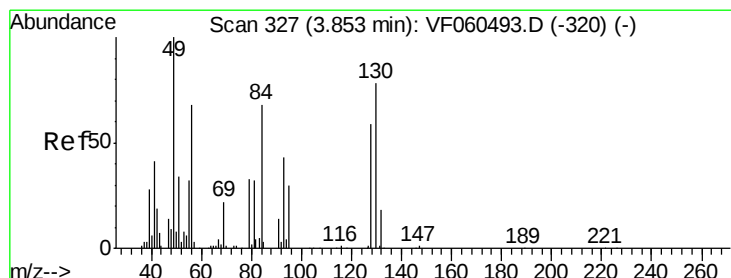
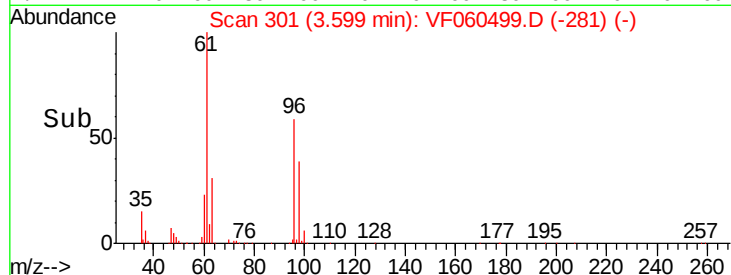
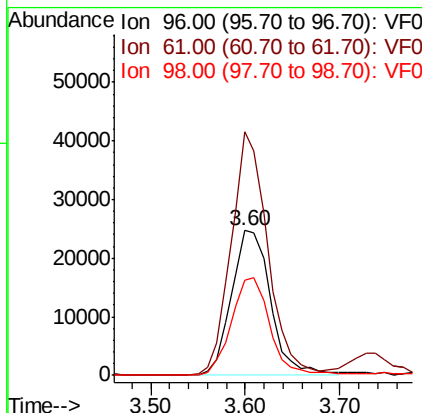
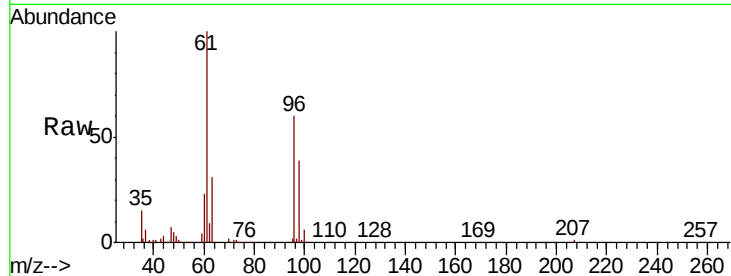
cis-1,2-Dichloroethene
 Concen: 20.697 ug/l
 RT: 3.60 min Scan# 301
 Delta R.T. -0.01 min
 Lab File: VF060499.D
 Acq: 9 Oct 2018 20:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1009SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	168.0	0.0	298.0
98	65.3	0.0	135.0

Manual Integrations
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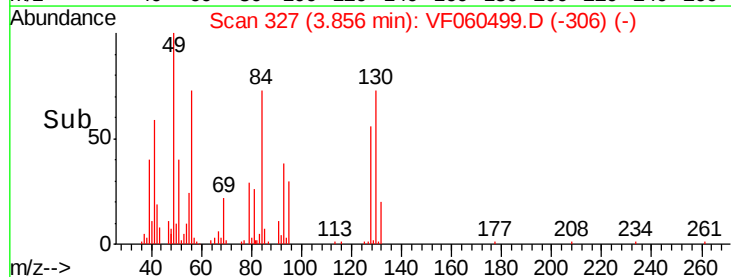
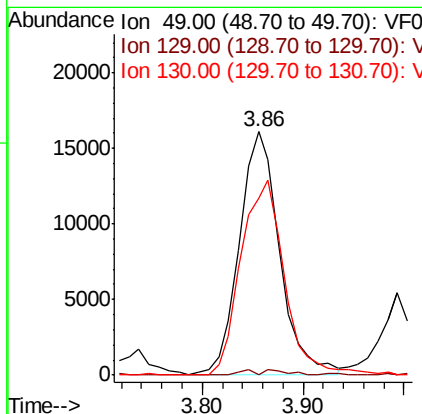
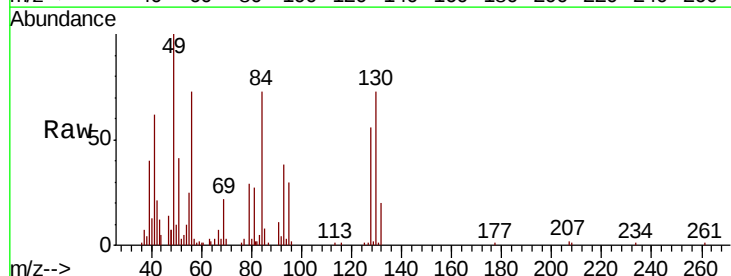
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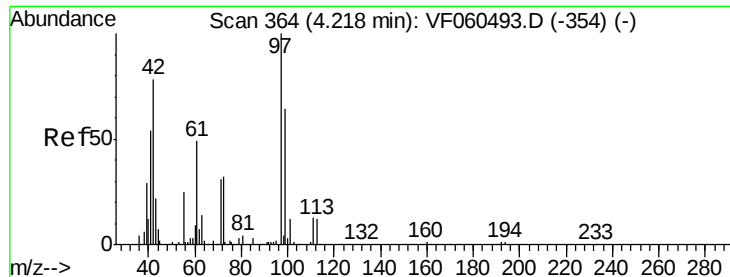


#28

Bromochloromethane
 Concen: 20.241 ug/l
 RT: 3.86 min Scan# 327
 Delta R.T. 0.00 min
 Lab File: VF060499.D
 Acq: 9 Oct 2018 20:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	72.8	62.2	93.2





#29

Tetrahydrofuran

Concen: 100.321 ug/l

RT: 4.22 min Scan# 364

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

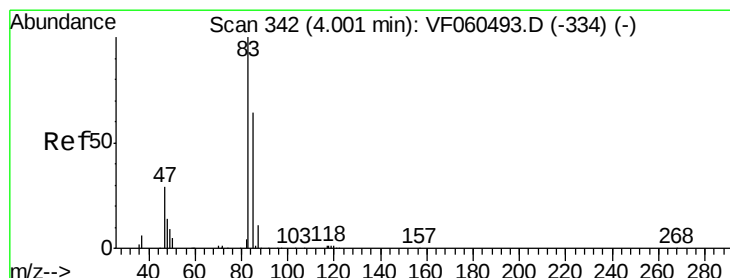
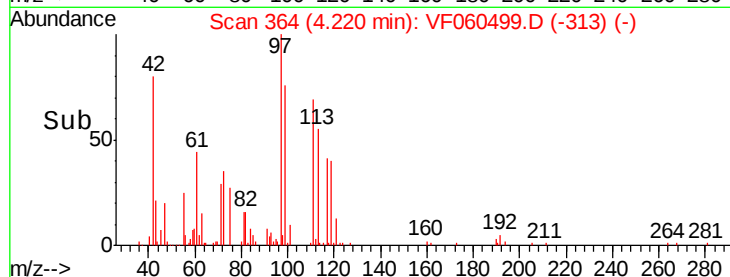
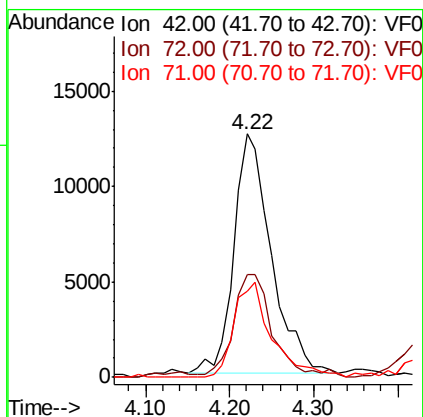
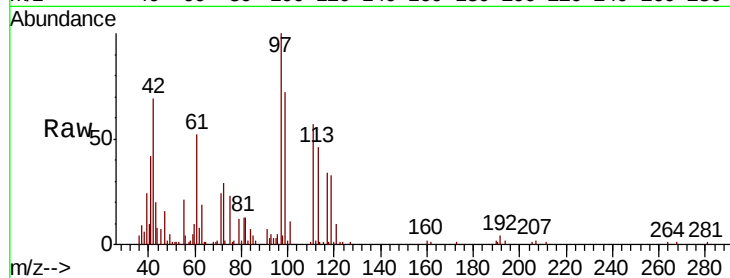
ClientSampleId :

VF1009SBS01

Tot Ion:	42	Resp:	39002
Ion Ratio	Lower	Upper	
42	100		
72	45.5	31.9	47.9
71	39.8	33.4	50.0

Manual Integrations
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#30

Chloroform

Concen: 21.496 ug/l

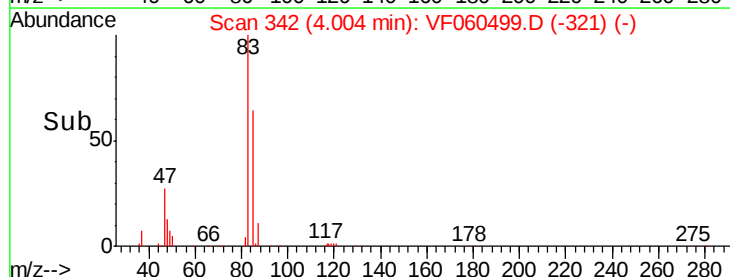
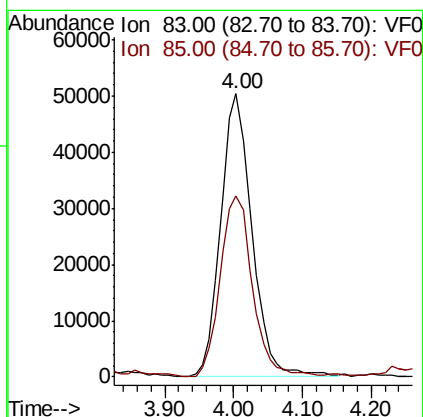
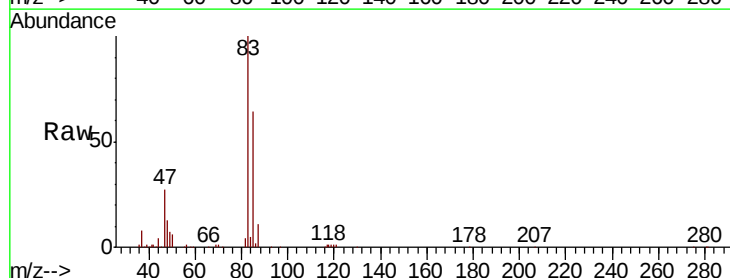
RT: 4.00 min Scan# 342

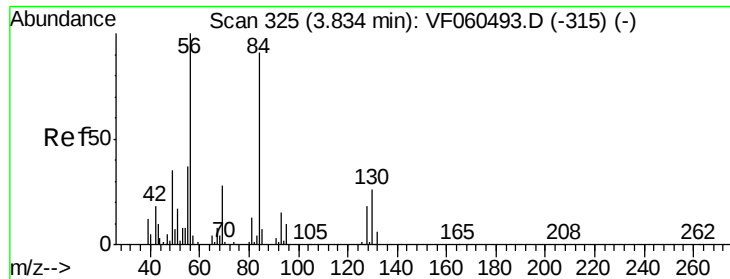
Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Tgt Ion:	83	Resp:	159268
Ion Ratio	Lower	Upper	
83	100		
85	64.0	51.7	77.5





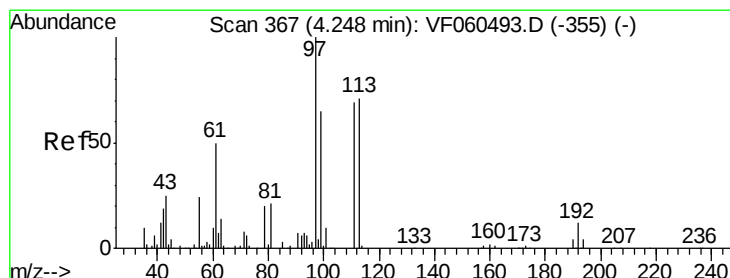
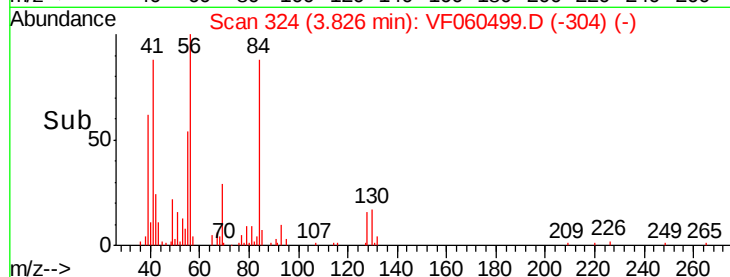
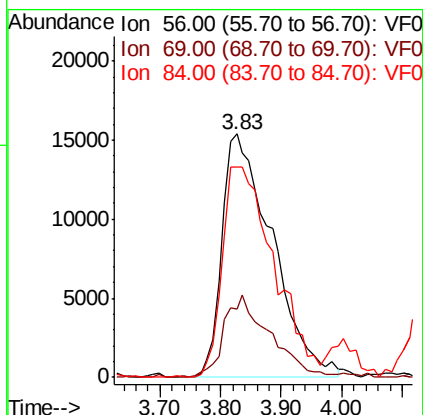
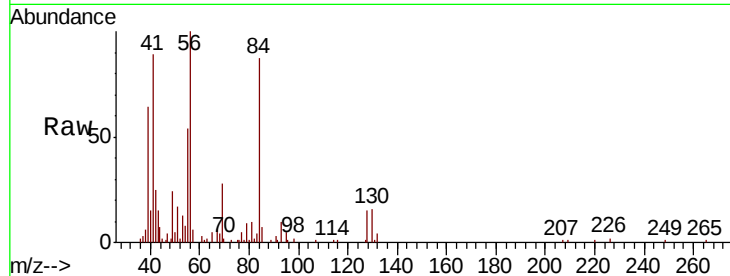
#31
Cyclohexane
Concen: 21.599 ug/l
RT: 3.83 min Scan# 324
Delta R.T. -0.01 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Instrument :
MSVOA_F
ClientSampleId :
VF1009SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.1	22.7	34.1
84	86.6	73.1	109.7

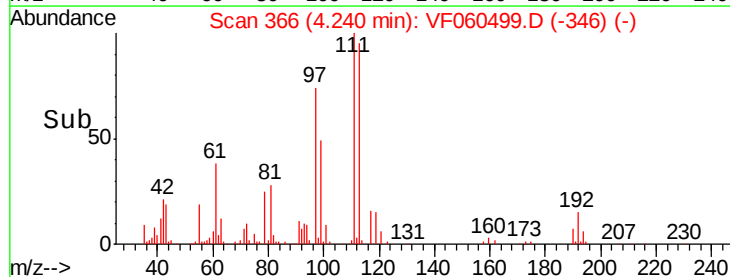
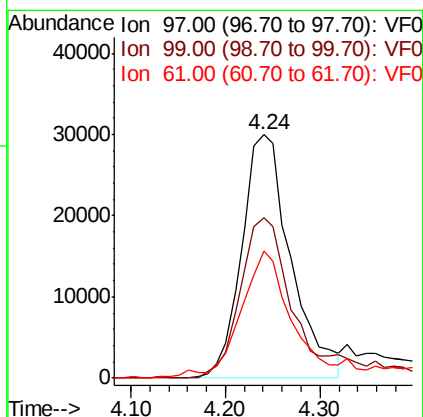
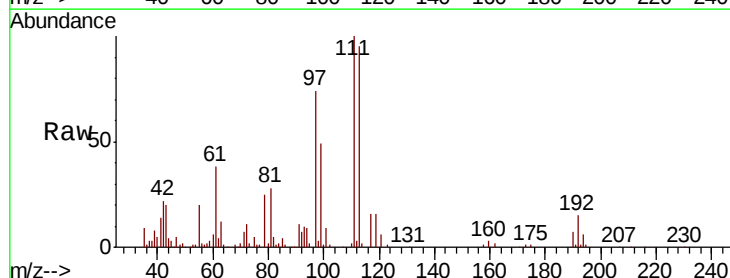
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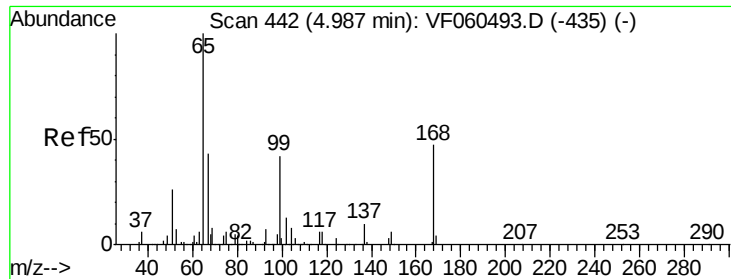
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#32
1,1,1-Trichloroethane
Concen: 18.531 ug/l
RT: 4.24 min Scan# 366
Delta R.T. -0.01 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.1	52.3	78.5
61	52.2	39.8	59.8





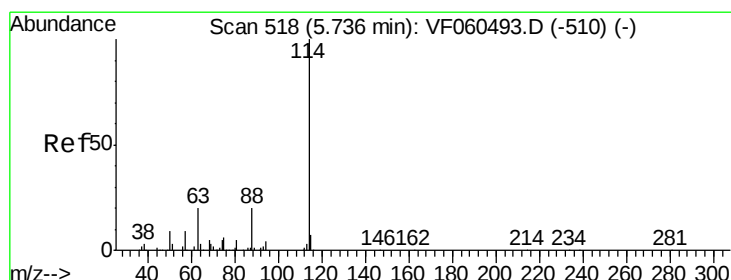
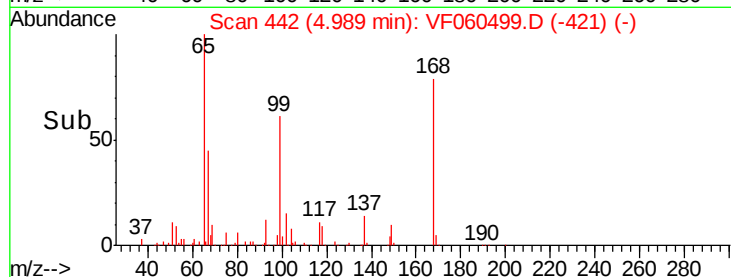
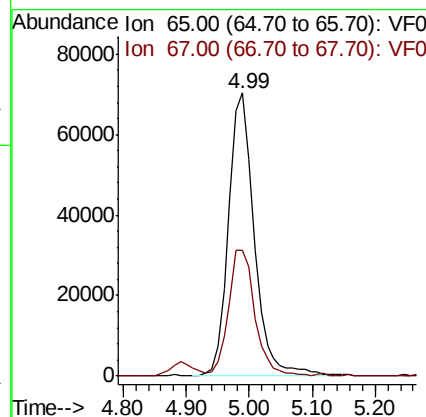
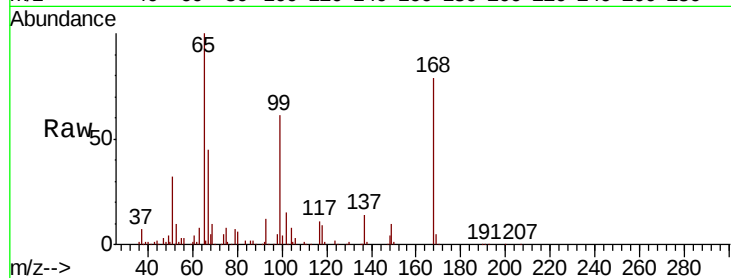
#33
 1,2-Dichloroethane-d4
 Concen: 51.885 ug/l
 RT: 4.99 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VF060499.D
 Acq: 9 Oct 2018 20:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1009SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	200609		
67	44.5	0.0	94.6	

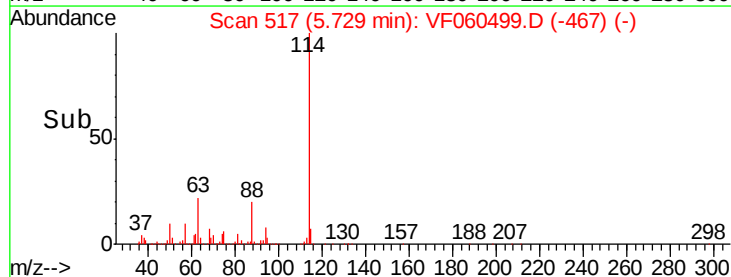
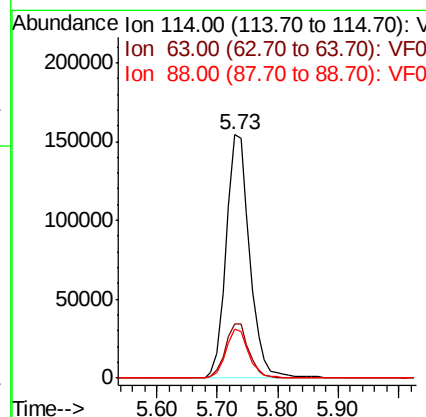
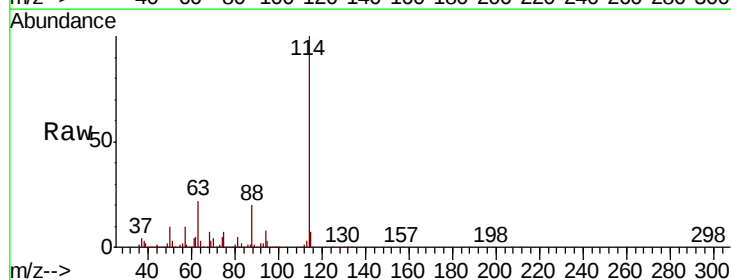
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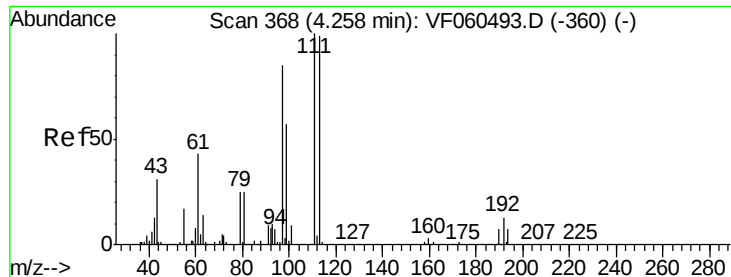
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.73 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VF060499.D
 Acq: 9 Oct 2018 20:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	417178		
63	22.5	0.0	40.2	
88	20.0	0.0	40.2	





#35

Dibromofluoromethane

Concen: 54.874 ug/l

RT: 4.26 min Scan# 368

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

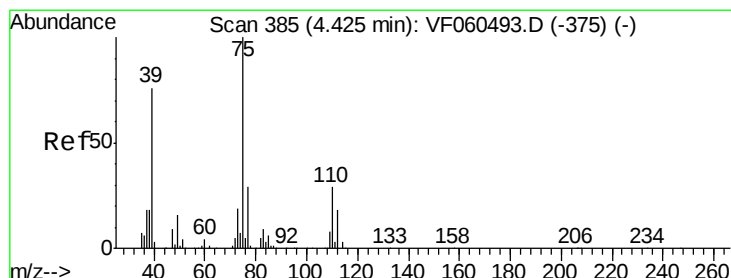
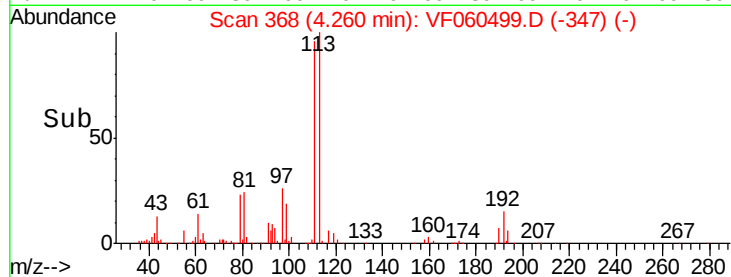
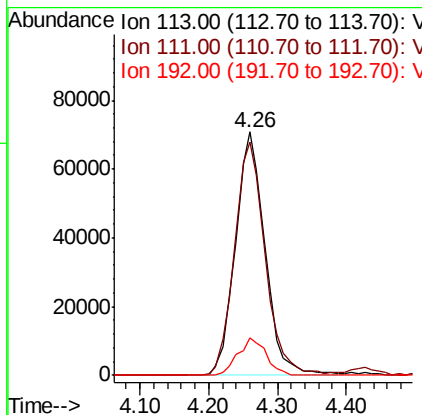
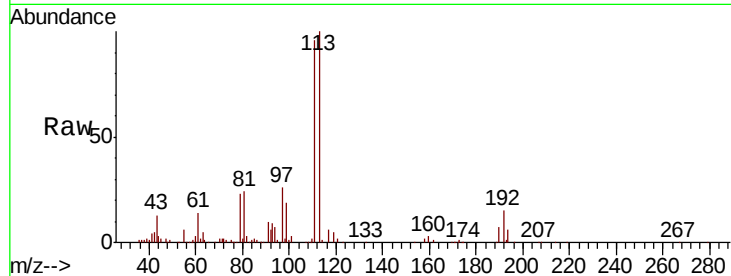
ClientSampleId :

VF1009SBS01

Tot Ion:	113	Resp:	210721
Ion Ratio	Lower	Upper	
113	100		
111	95.9	81.0	121.6
192	15.3	10.7	16.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 22.835 ug/l

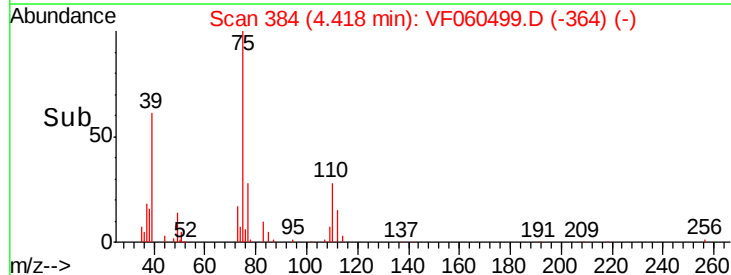
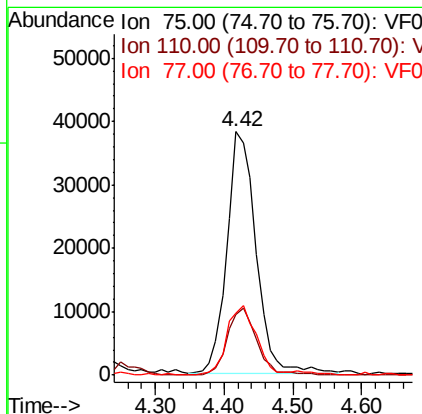
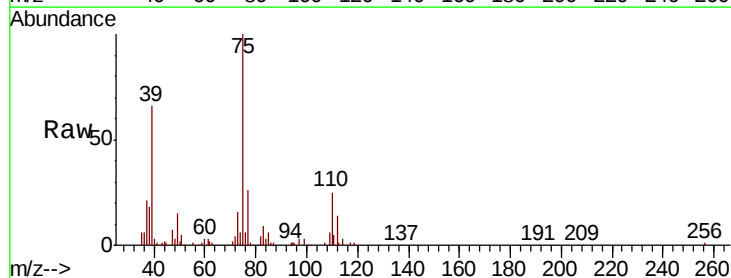
RT: 4.42 min Scan# 384

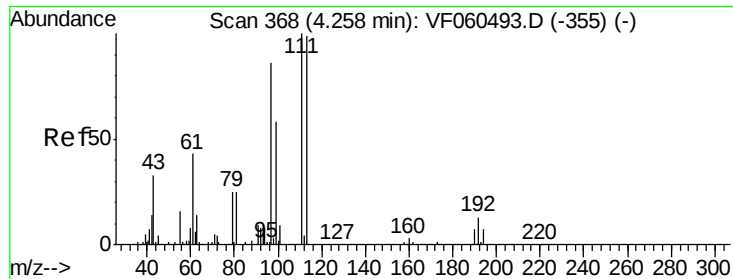
Delta R.T. -0.01 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Tgt Ion:	75	Resp:	110809
Ion Ratio	Lower	Upper	
75	100		
110	25.0	14.4	43.2
77	25.6	23.5	35.3





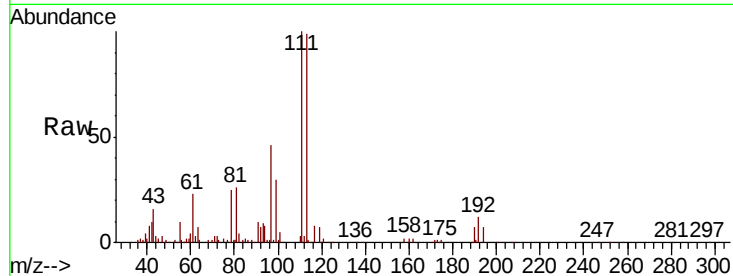
#37
Ethyl Acetate
Concen: 22.548 ug/l
RT: 4.25 min Scan# 367
Delta R.T. -0.01 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Instrument :
MSVOA_F
ClientSampleId :
VF1009SBS01

Tot Ion	43	61	70	Ratio	Lower	Upper
43	100					
61	145.9	106.5	159.7			
70	7.6	6.5	9.7			

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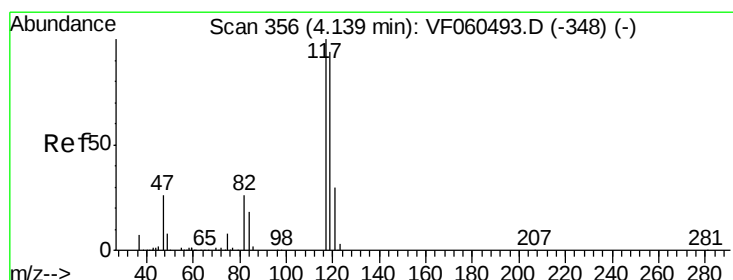
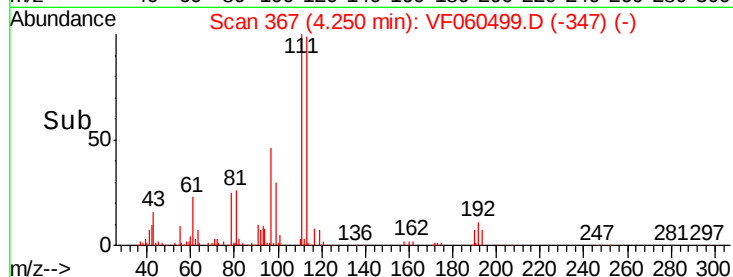
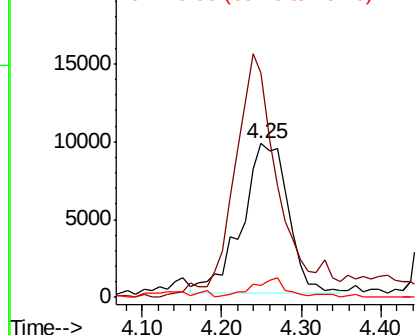


Abundance

Ion 43.00 (42.70 to 43.70): VF0

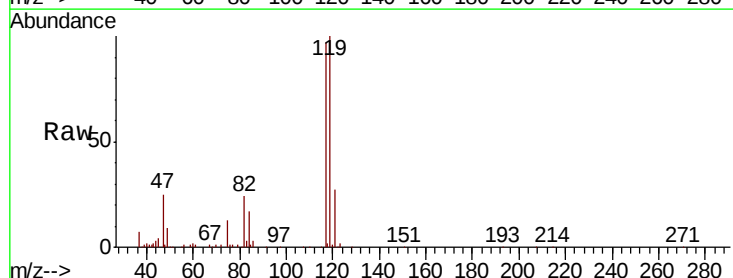
Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38
Carbon Tetrachloride
Concen: 23.999 ug/l
RT: 4.13 min Scan# 355
Delta R.T. -0.01 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Tgt Ion	117	119	121	Ratio	Lower	Upper
117	100					
119	102.0	75.0	112.4			
121	27.6	23.8	35.6			

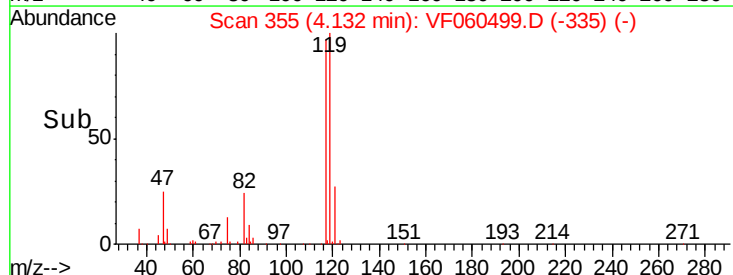
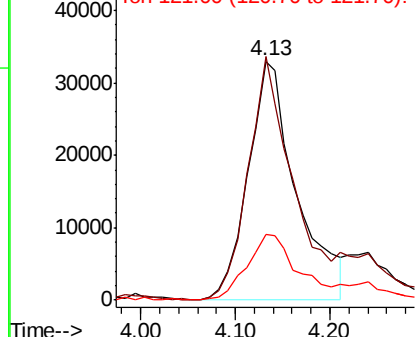


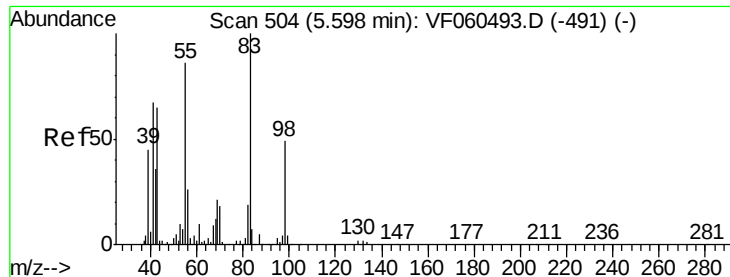
Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





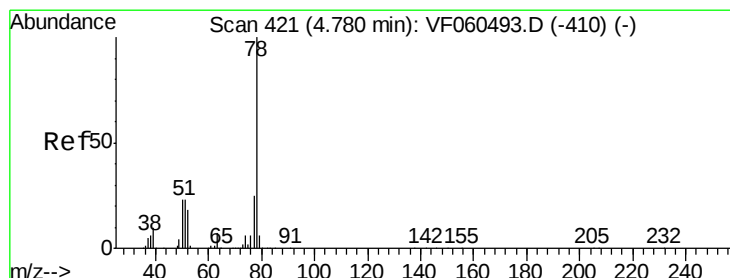
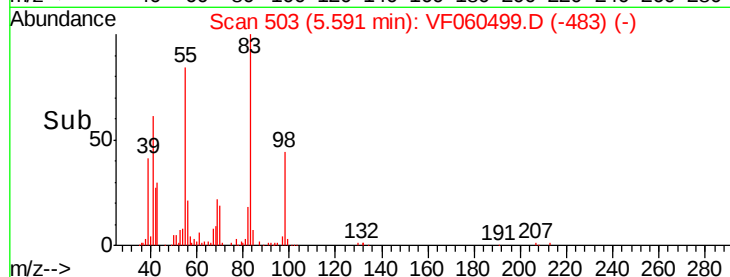
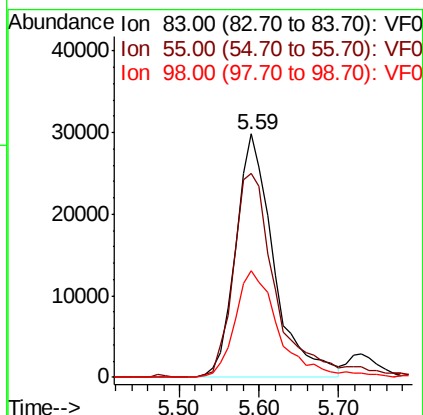
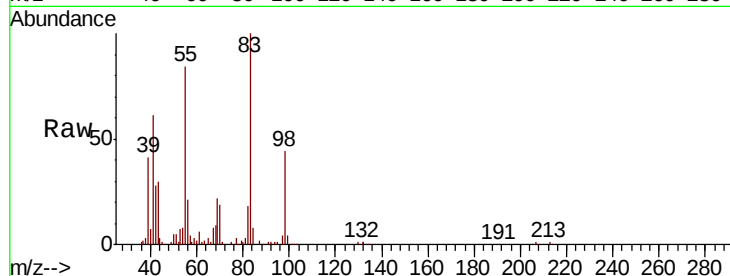
#39
Methylcyclohexane
Concen: 21.654 ug/l
RT: 5.59 min Scan# 503
Delta R.T. -0.01 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Instrument :
MSVOA_F
ClientSampleId :
VF1009SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.6	69.2	103.8
98	43.5	39.6	59.4

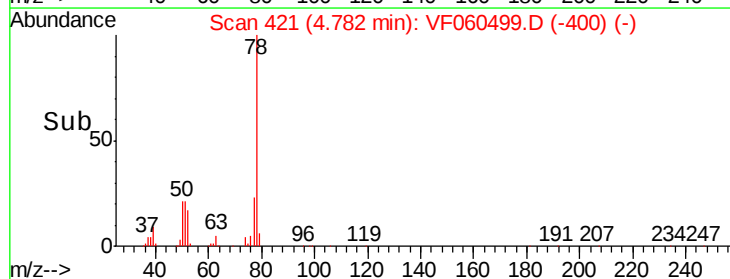
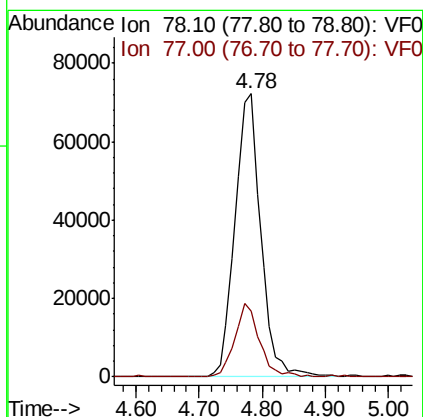
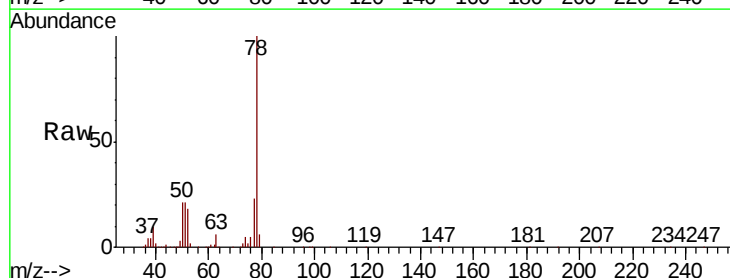
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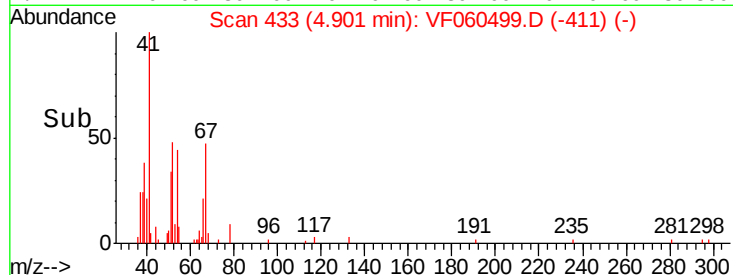
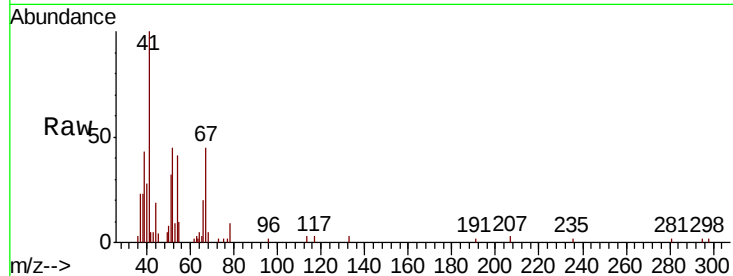
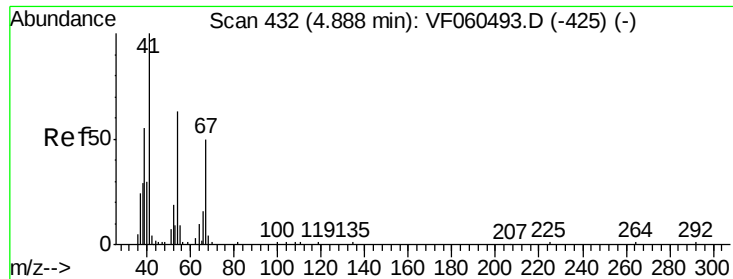
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#40
Benzene
Concen: 20.531 ug/l
RT: 4.78 min Scan# 421
Delta R.T. 0.00 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.8	29.8





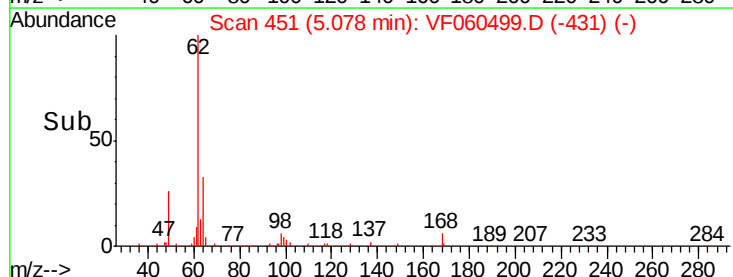
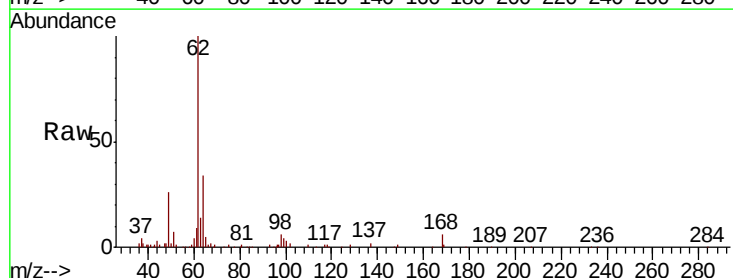
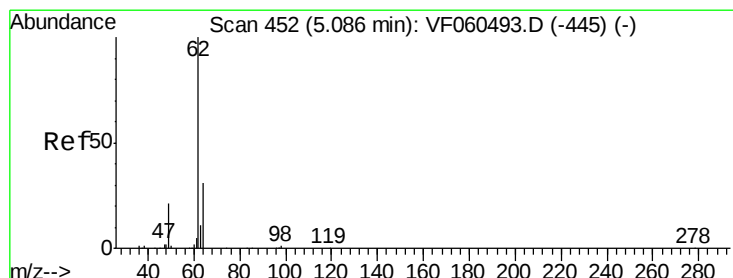
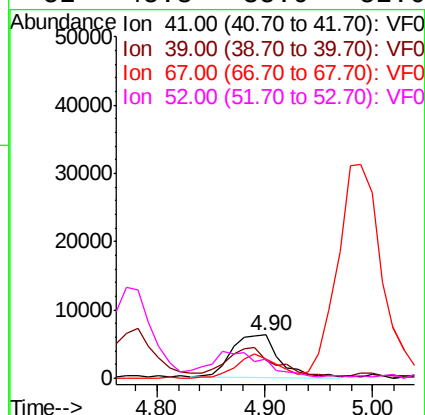
#41
Methacrylonitrile
Concen: 19.699 ug/l
RT: 4.90 min Scan# 433
Delta R.T. 0.01 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Tot Ion	Ratio	Lower	Upper
41	100		
39	42.7	53.1	79.7#
67	44.7	39.4	59.0
52	45.3	35.0	52.6

Instrument :
MSVOA_F
ClientSampleId :
VF1009SBS01

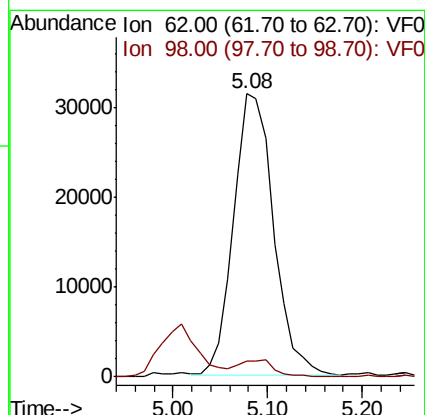
Manual Integrations
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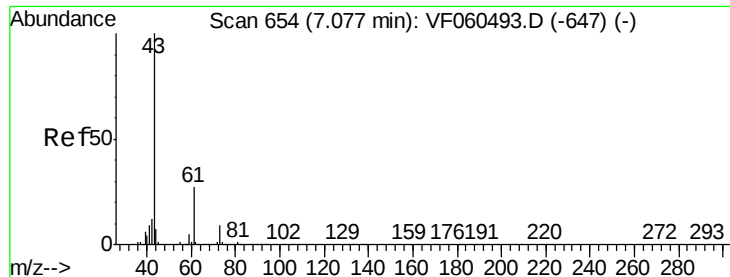
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#42
1,2-Dichloroethane
Concen: 20.358 ug/l
RT: 5.08 min Scan# 451
Delta R.T. -0.01 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.7	0.0	12.8





#43

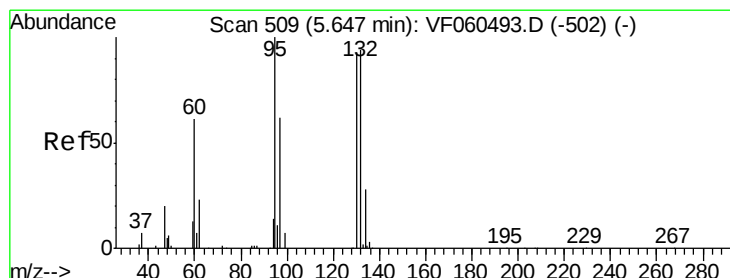
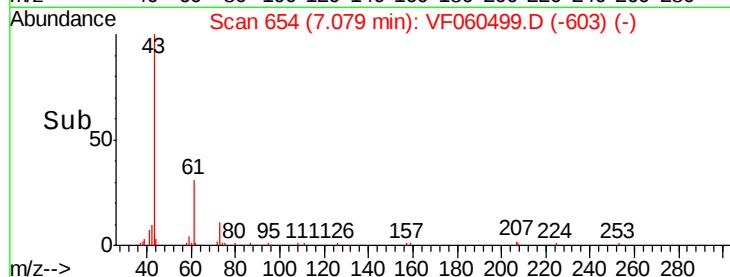
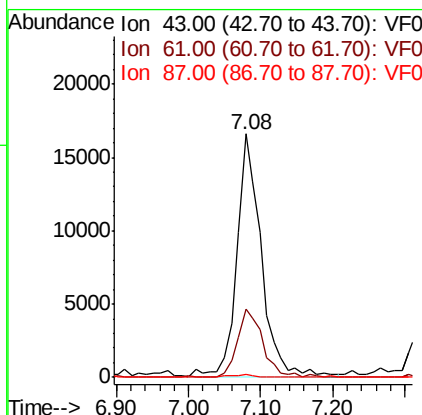
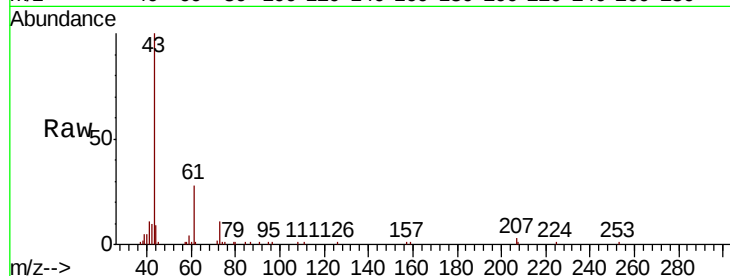
Isopropyl Acetate
 Concen: 18.627 ug/l
 RT: 7.08 min Scan# 654
 Delta R.T. 0.00 min
 Lab File: VF060499.D
 Acq: 9 Oct 2018 20:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1009SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.3	21.6	32.4
87	1.4	0.6	0.8

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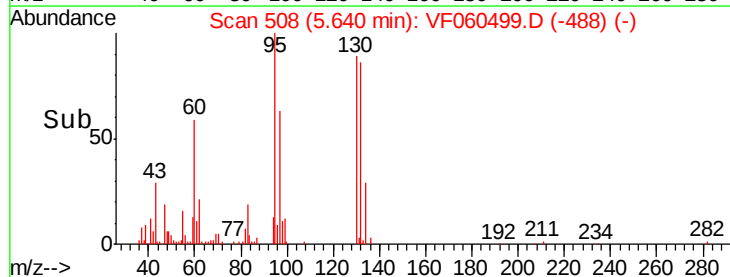
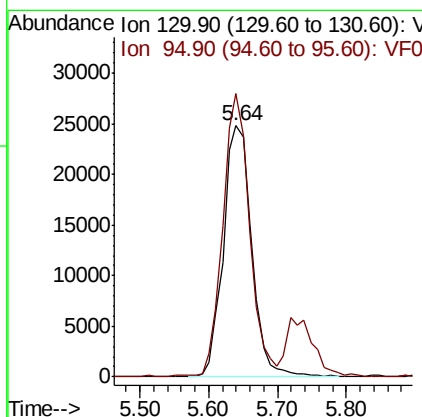
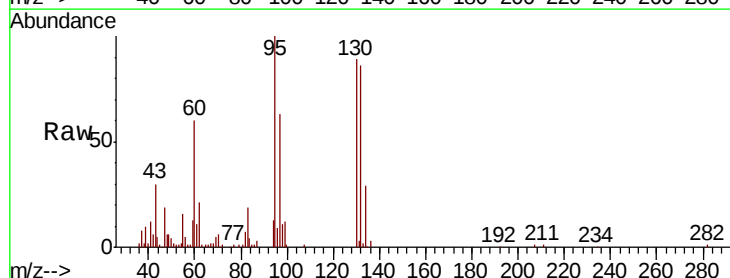
apatel
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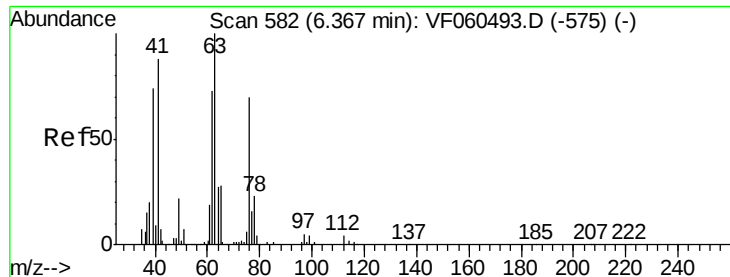


#44

Trichloroethene
 Concen: 22.817 ug/l
 RT: 5.64 min Scan# 508
 Delta R.T. -0.01 min
 Lab File: VF060499.D
 Acq: 9 Oct 2018 20:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	112.6	0.0	216.0





#45

1,2-Dichloropropane

Concen: 21.358 ug/l

RT: 6.37 min Scan# 582

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBS01

Tot Ion: 63 Resp: 52090

Ion Ratio Lower Upper

63 100

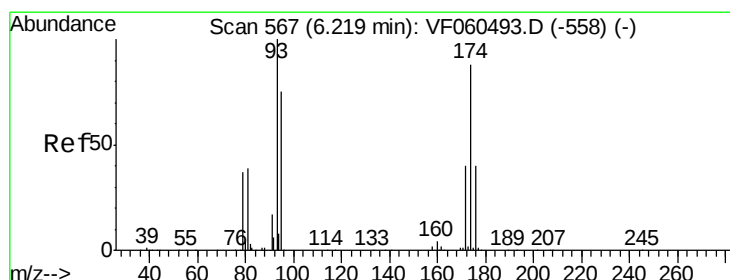
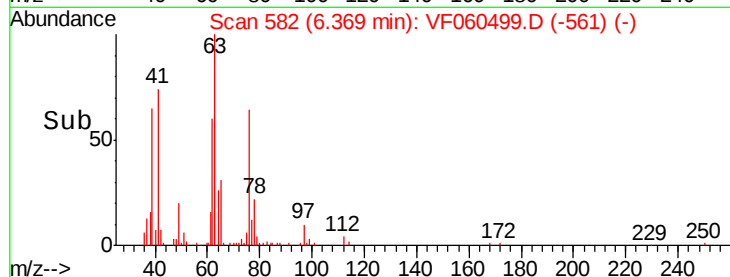
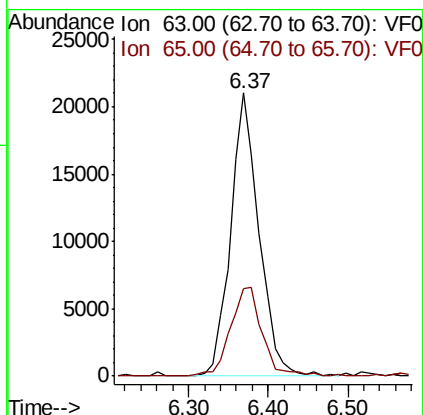
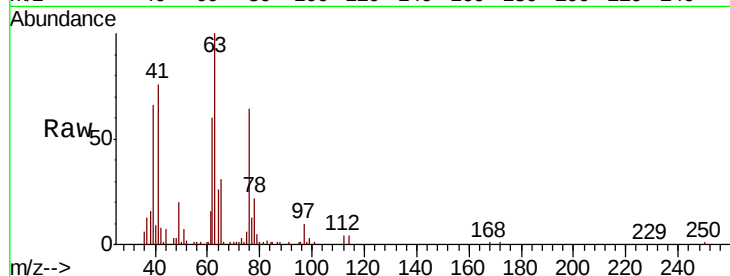
65 30.9 22.2 33.2

Manual Integrations

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#46

Dibromomethane

Concen: 17.637 ug/l

RT: 6.22 min Scan# 567

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

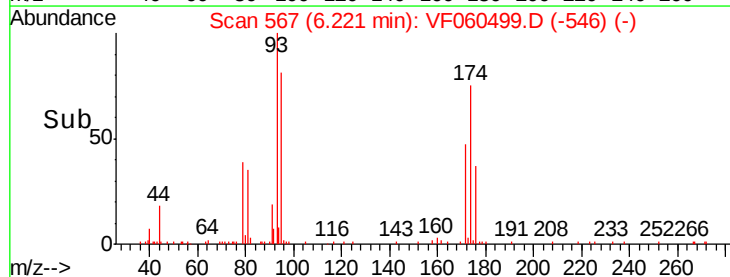
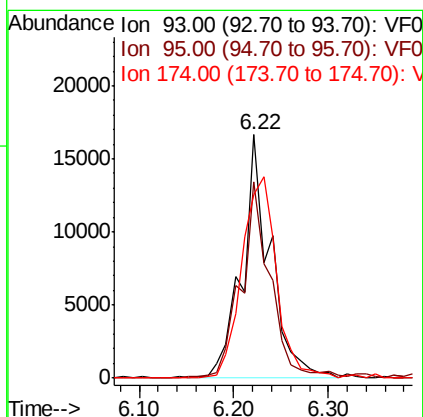
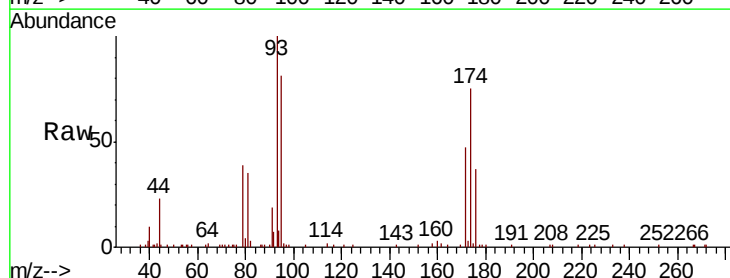
Tgt Ion: 93 Resp: 34505

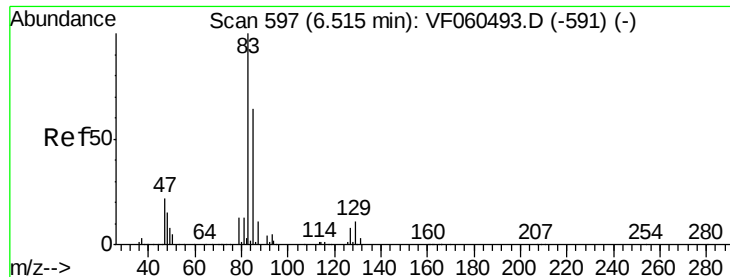
Ion Ratio Lower Upper

93 100

95 80.6 60.0 90.0

174 75.1 71.0 106.6





#47

Bromodichloromethane

Concen: 20.830 ug/l

RT: 6.52 min Scan# 597

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

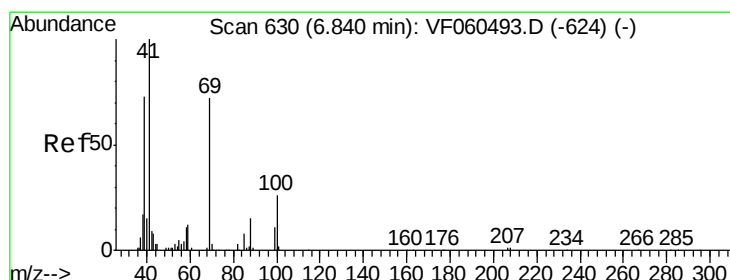
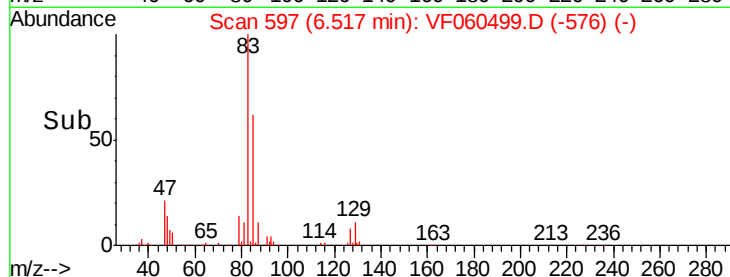
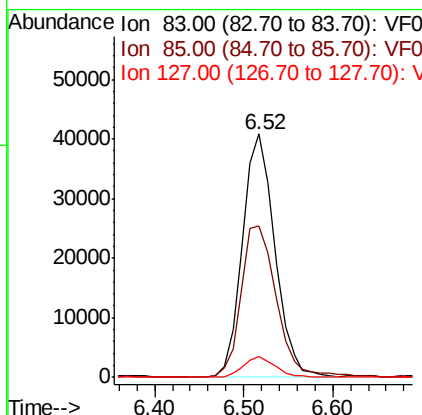
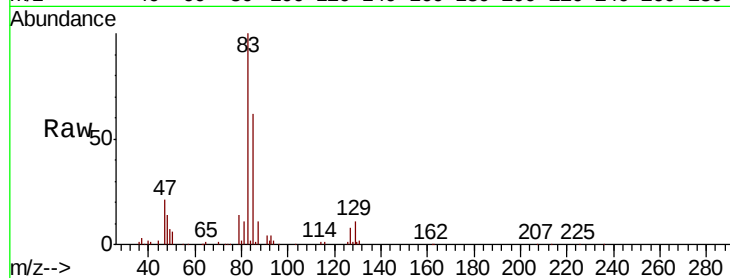
ClientSampleId :

VF1009SBS01

Tot Ion:	83	Resp:	102921
Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.2	76.8
127	9.4	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.296 ug/l

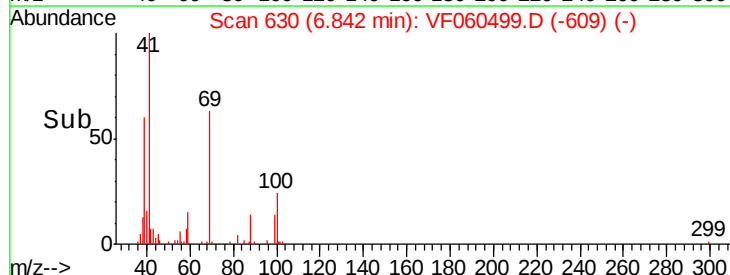
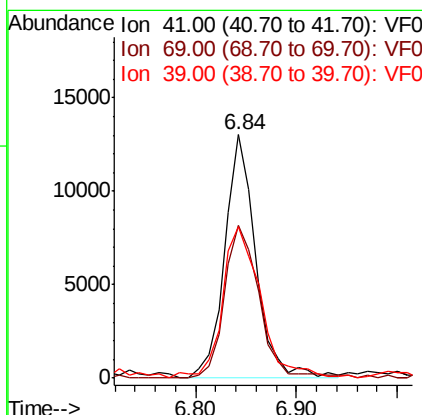
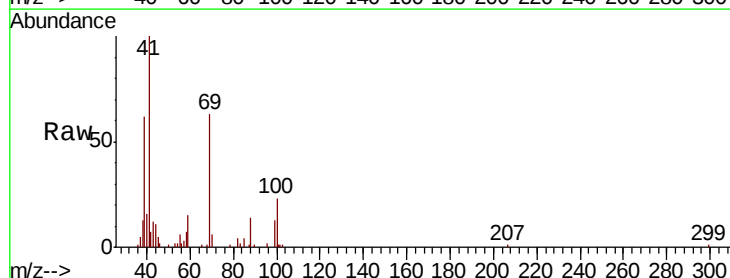
RT: 6.84 min Scan# 630

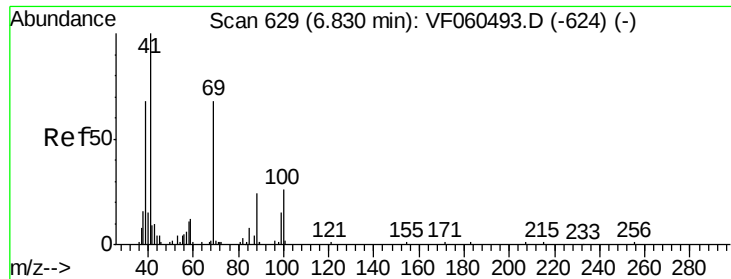
Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Tgt Ion:	41	Resp:	27923
Ion	Ratio	Lower	Upper
41	100		
69	62.6	57.8	86.8
39	62.3	59.1	88.7





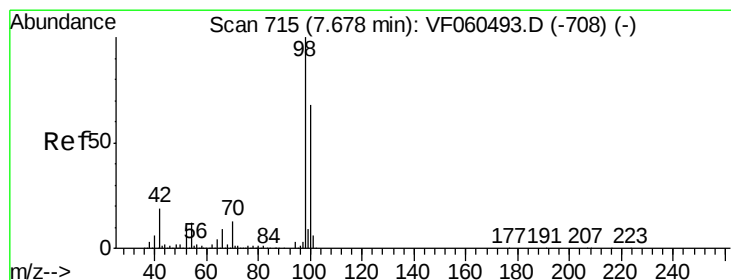
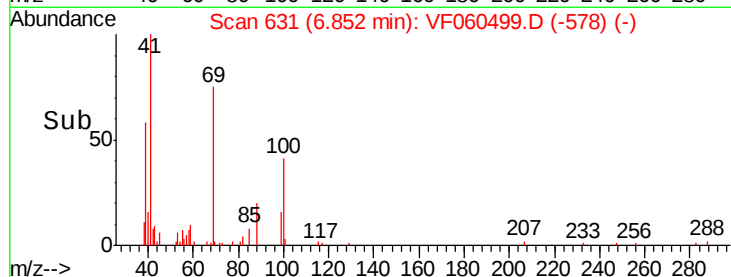
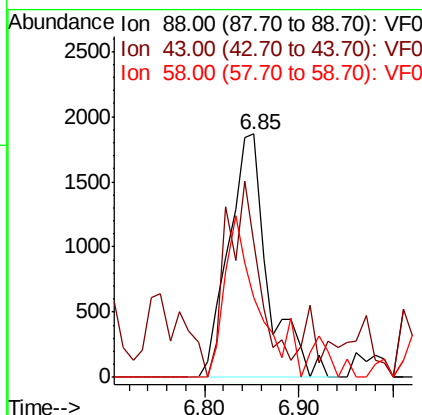
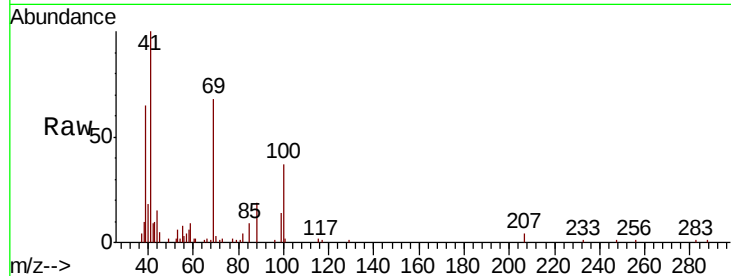
#49
1,4-Dioxane
Concen: 393.547 ug/l
RT: 6.85 min Scan# 631
Delta R.T. 0.02 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Instrument :
MSVOA_F
ClientSampleId :
VF1009SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	55.6	40.2	60.2
58	32.8	36.3	54.5

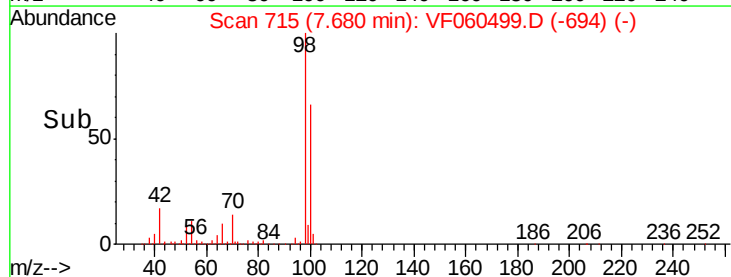
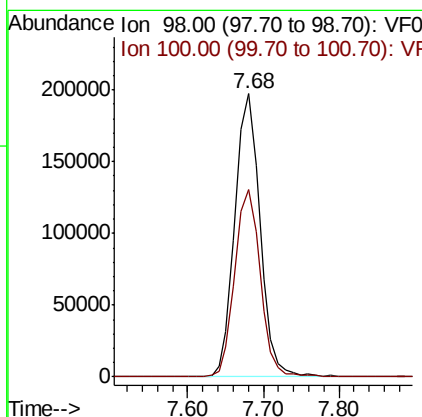
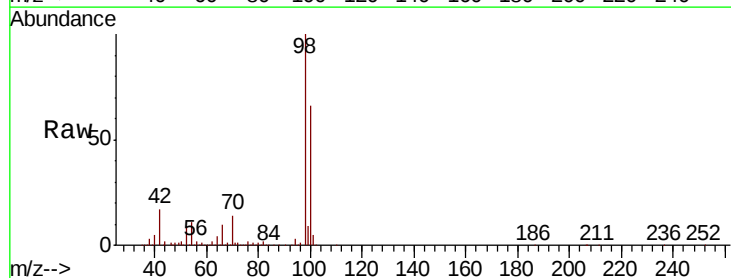
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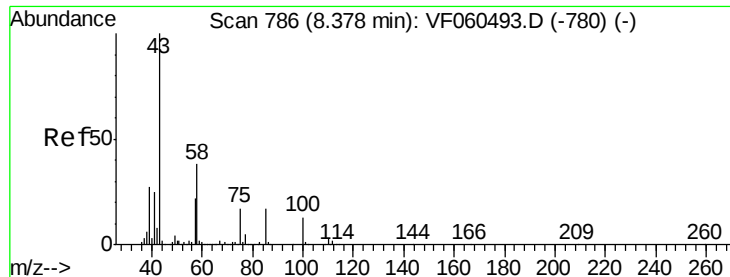
apatel
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#50
Toluene-d8
Concen: 49.373 ug/l
RT: 7.68 min Scan# 715
Delta R.T. 0.00 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	54.4	81.6





#51

4-Methyl-2-Pentanone

Concen: 95.753 ug/l

RT: 8.37 min Scan# 785

Delta R.T. -0.01 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBS01

Tot Ion: 43 Resp: 142693

Ion Ratio Lower Upper

43 100

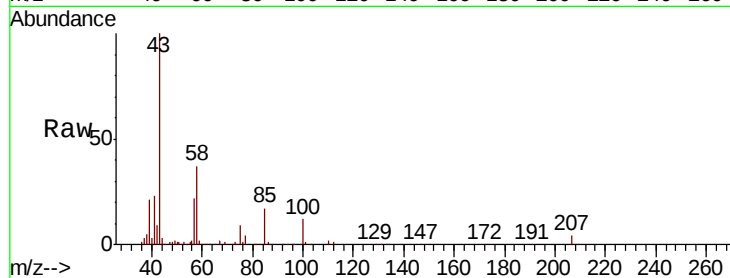
58 37.3 30.4 45.6

Manual Integrations

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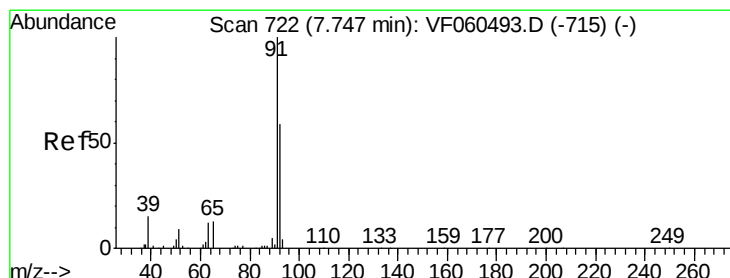
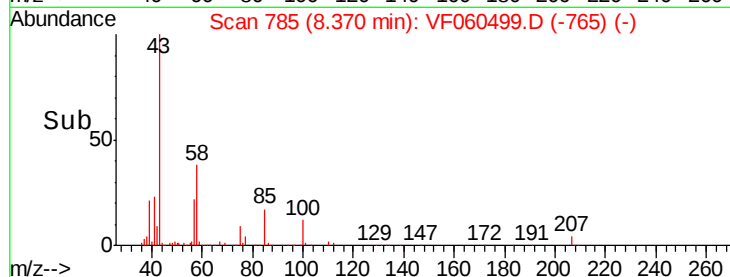
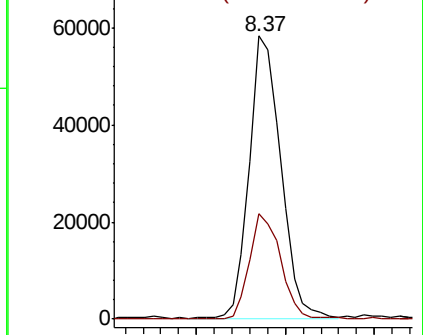
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 19.877 ug/l

RT: 7.75 min Scan# 722

Delta R.T. 0.00 min

Lab File: VF060499.D

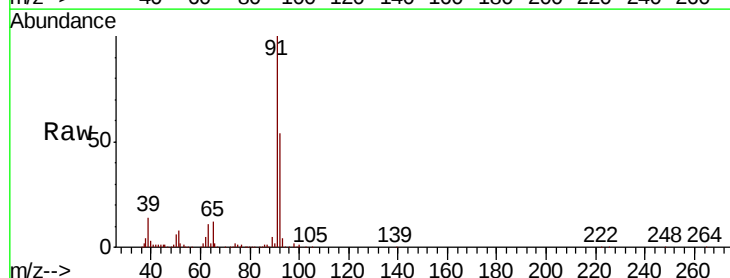
Acq: 9 Oct 2018 20:03

Tgt Ion: 92 Resp: 124725

Ion Ratio Lower Upper

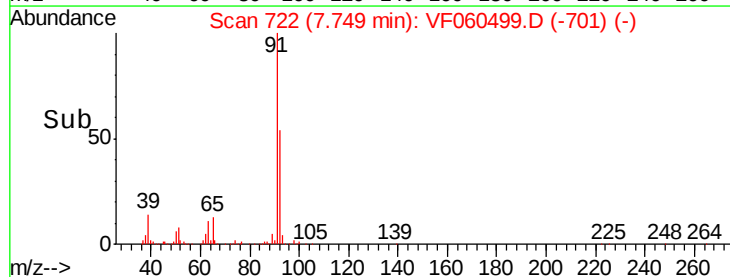
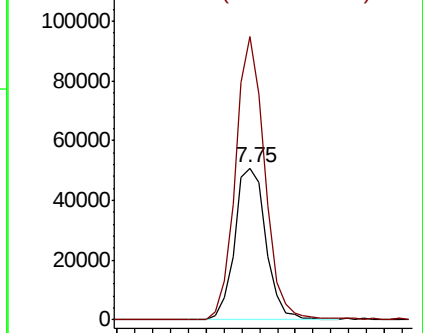
92 100

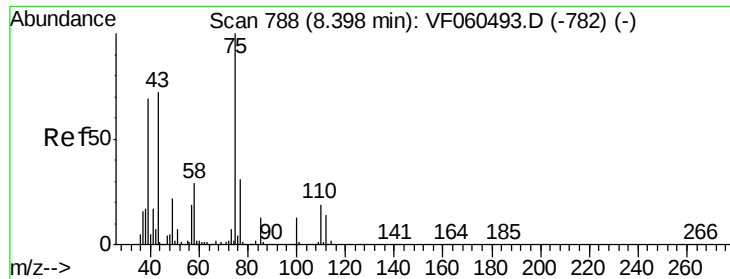
91 186.6 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 19.833 ug/l

RT: 8.40 min Scan# 788

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Tot Ion: 75 Resp: 76108

Ion Ratio Lower Upper

75 100

77 33.5 25.2 37.8

Instrument :

MSVOA_F

ClientSampleId :

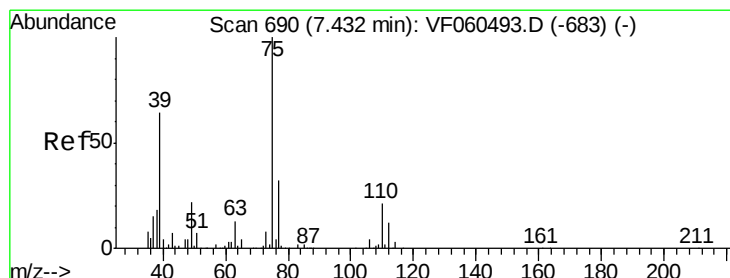
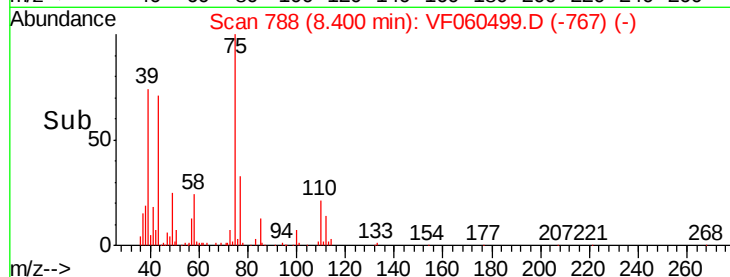
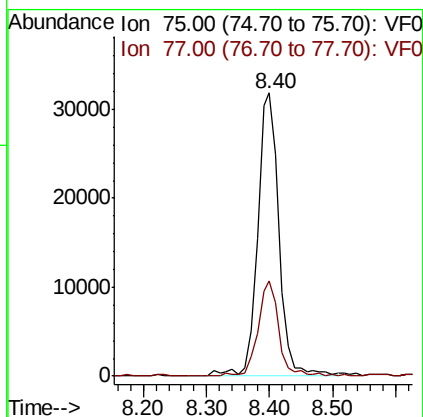
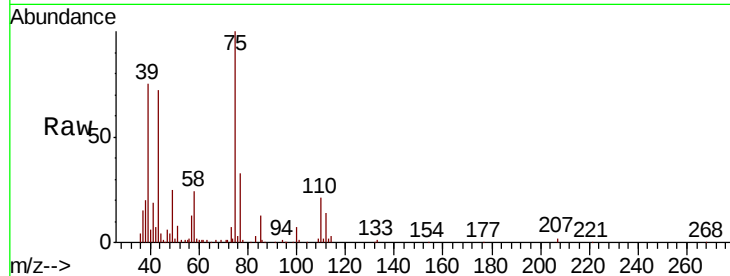
VF1009SBS01

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#54

cis-1,3-Dichloropropene

Concen: 20.504 ug/l

RT: 7.43 min Scan# 690

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

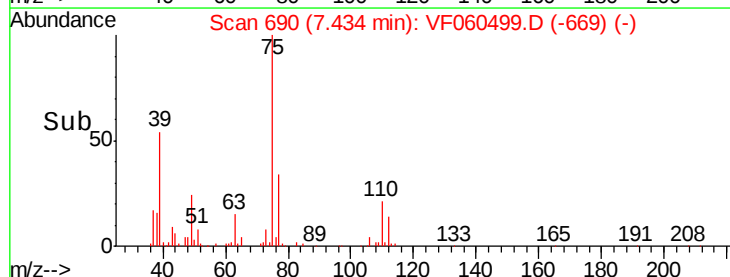
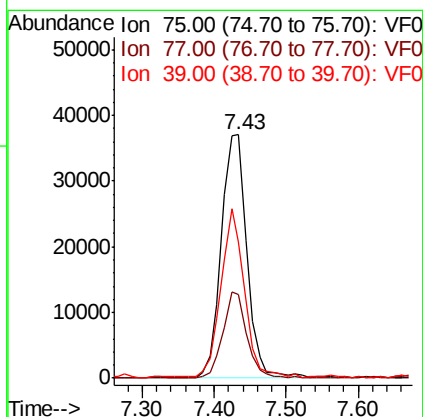
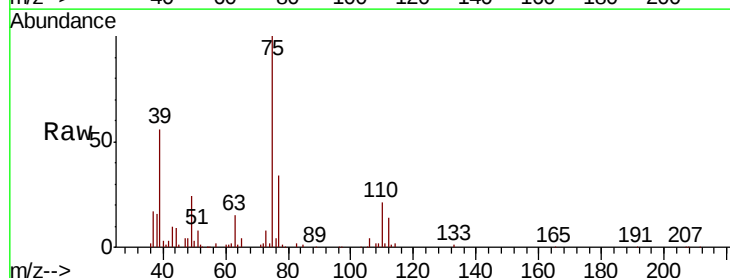
Tgt Ion: 75 Resp: 91638

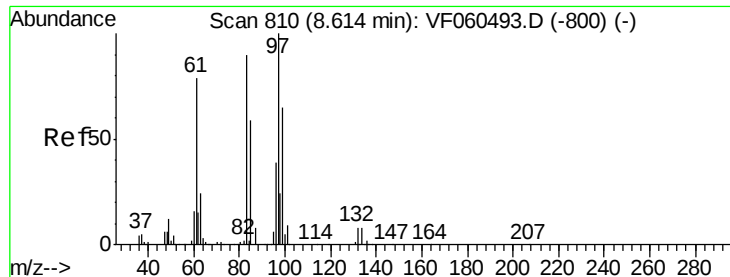
Ion Ratio Lower Upper

75 100

77 34.4 26.0 39.0

39 55.6 51.2 76.8





#55

1,1,2-Trichloroethane

Concen: 19.908 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.01 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

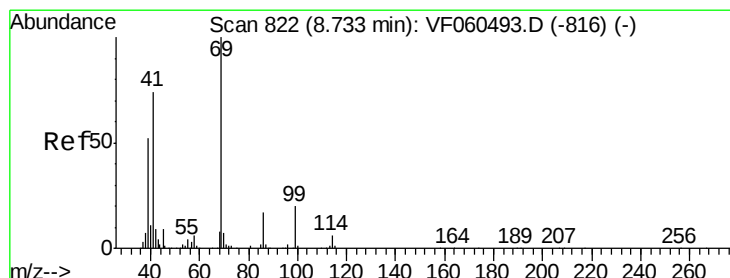
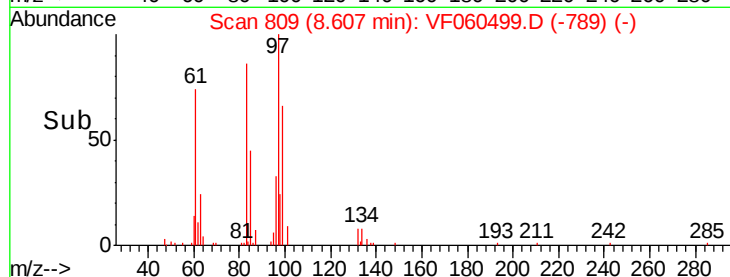
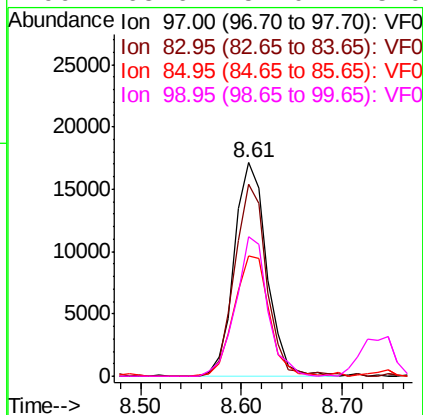
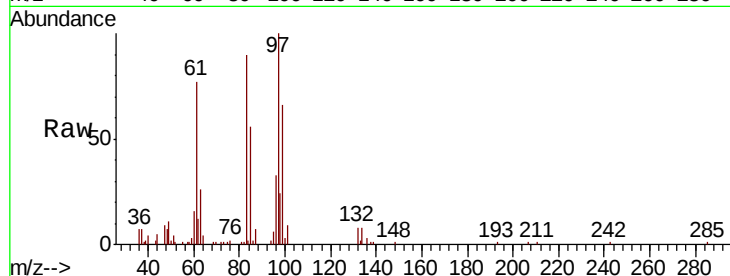
ClientSampleId :

VF1009SBS01

Tot Ion:	97	Resp:	38392
Ion	Ratio	Lower	Upper
97	100		
83	90.2	71.9	107.9
85	56.3	47.8	71.8
99	65.6	52.0	78.0

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#56

Ethyl methacrylate

Concen: 16.594 ug/l

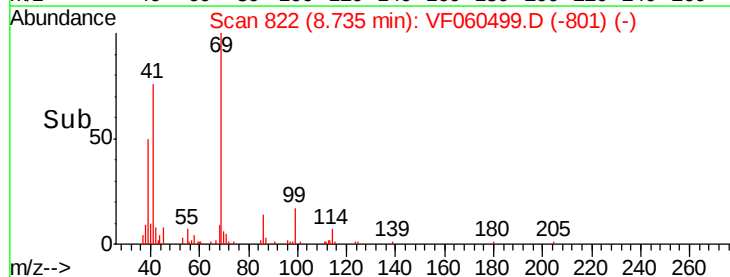
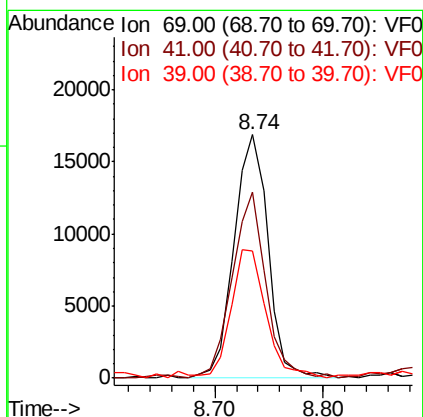
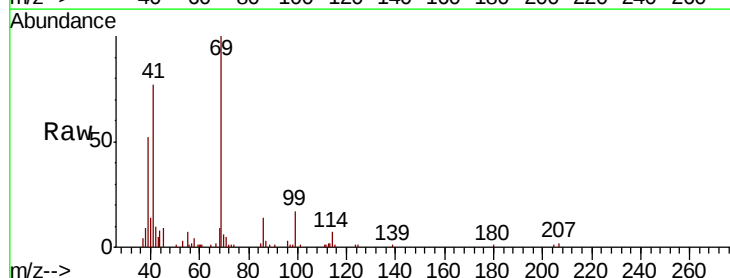
RT: 8.74 min Scan# 822

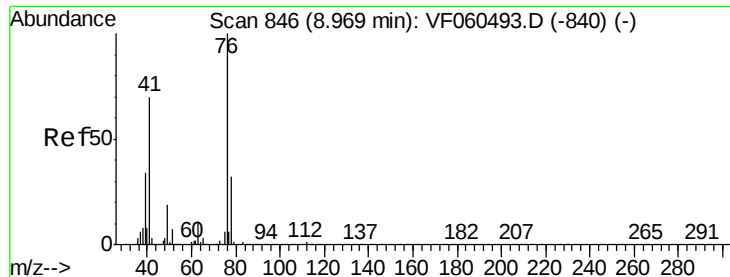
Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Tgt Ion:	69	Resp:	37025
Ion	Ratio	Lower	Upper
69	100		
41	76.6	59.3	88.9
39	52.1	41.8	62.6





#57

1,3-Dichloropropane

Concen: 20.088 ug/l

RT: 8.97 min Scan# 846

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBS01

Tot Ion: 76 Resp: 66705

Ion Ratio Lower Upper

76 100

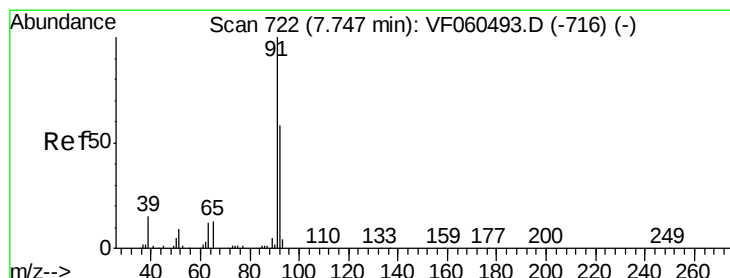
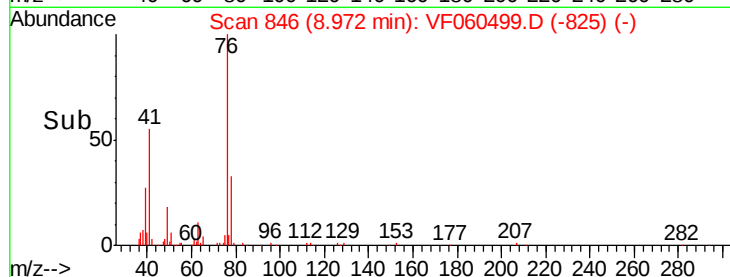
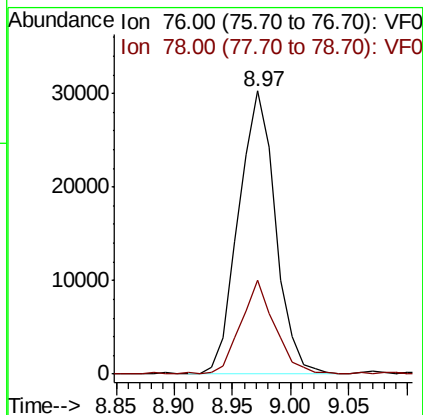
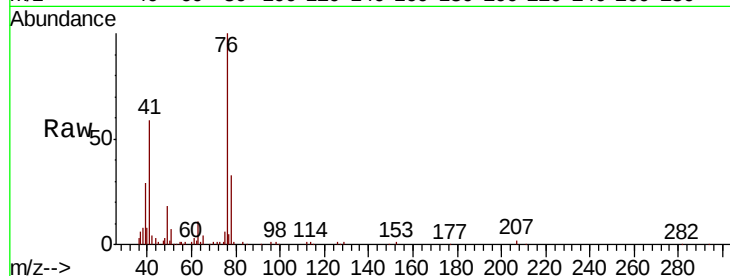
78 33.2 25.3 37.9

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 105.996 ug/l

RT: 7.75 min Scan# 722

Delta R.T. 0.00 min

Lab File: VF060499.D

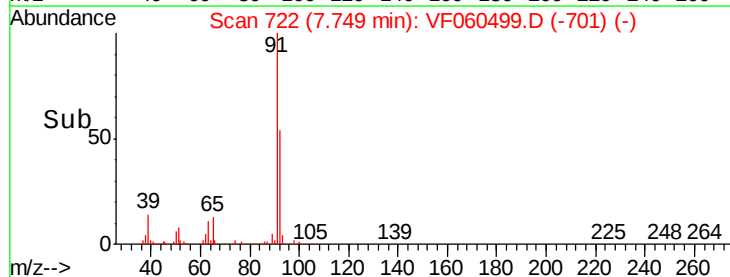
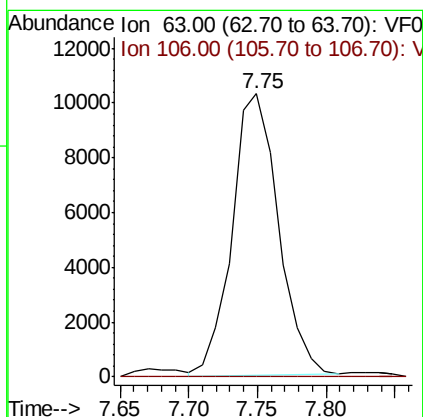
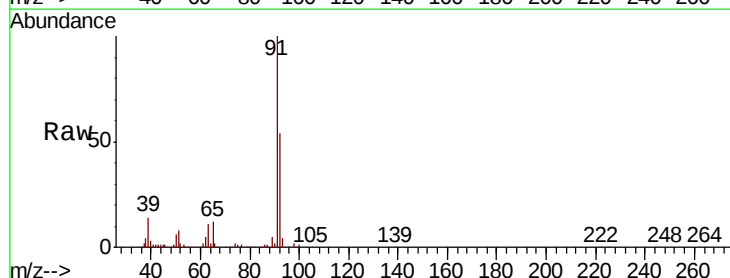
Acq: 9 Oct 2018 20:03

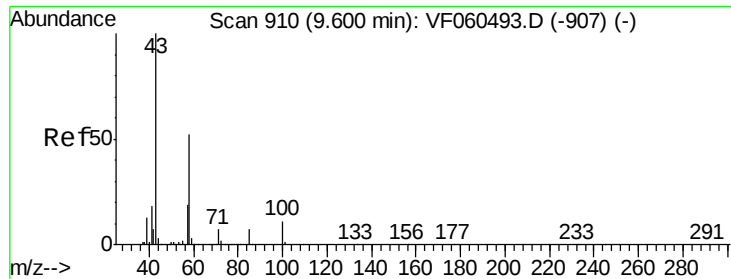
Tgt Ion: 63 Resp: 24033

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





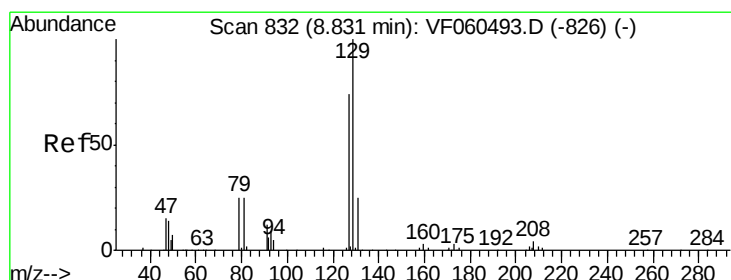
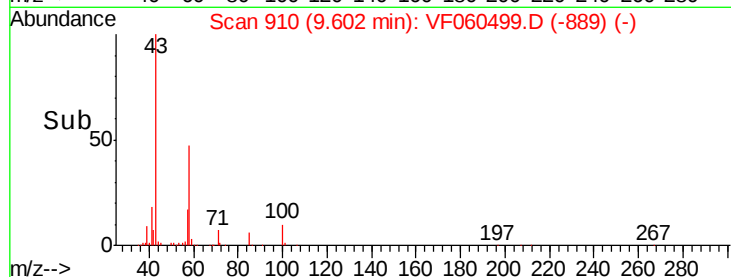
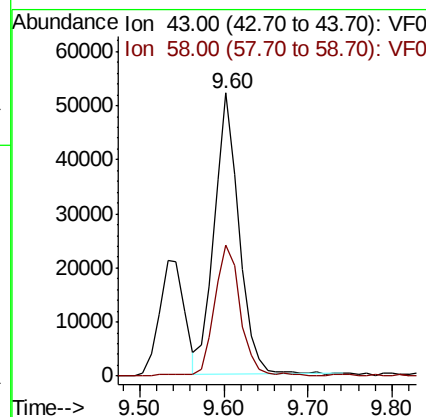
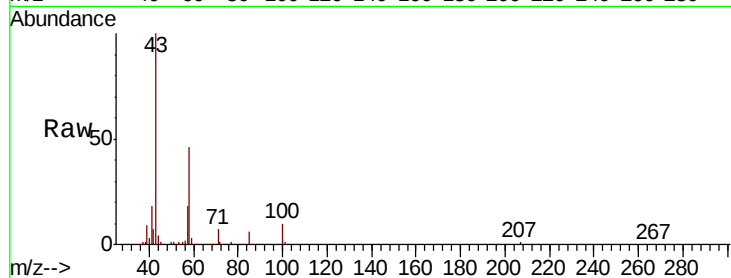
#59
2-Hexanone
Concen: 98.284 ug/l
RT: 9.60 min Scan# 910
Delta R.T. 0.00 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Instrument :
MSVOA_F
ClientSampleId :
VF1009SBS01

Tot Ion	43	Resp	105944
Ion Ratio	100	Lower	Upper
43	100		
58	46.4	24.2	72.6

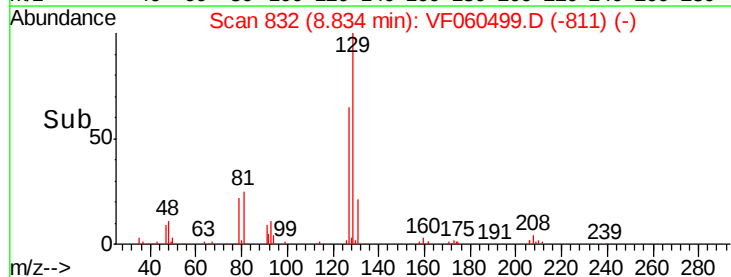
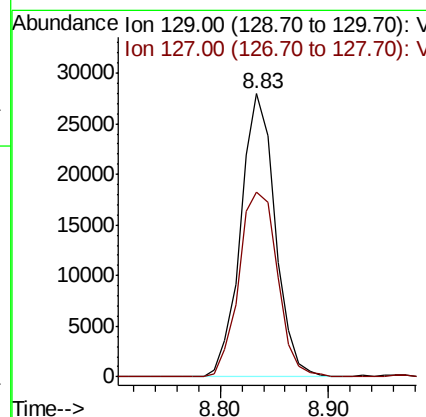
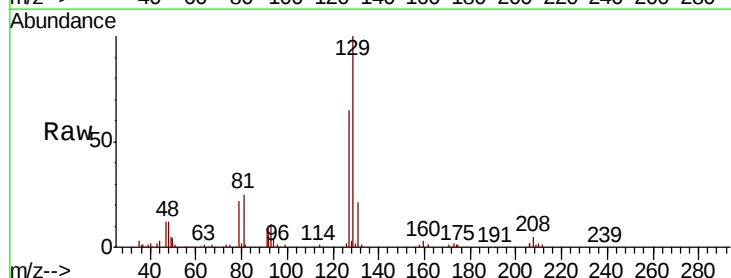
Manual Integrations
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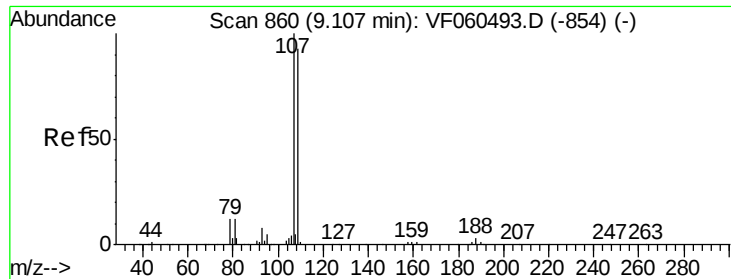
apatel
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#60
Dibromochloromethane
Concen: 20.506 ug/l
RT: 8.83 min Scan# 832
Delta R.T. 0.00 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Tgt Ion	129	Resp	62073	
Ion Ratio	129	100	Lower	Upper
129	100			
127	65.1	37.0	110.9	





#61

1,2-Dibromoethane

Concen: 19.823 ug/l

RT: 9.11 min Scan# 860

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBS01

Tot Ion:107 Resp: 43193

Ion Ratio Lower Upper

107 100

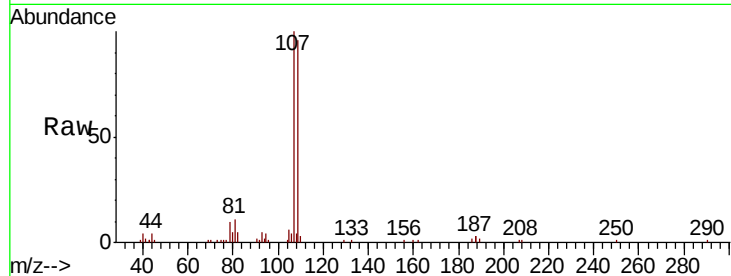
109 95.5 74.6 112.0

Manual Integrations

APPROVED

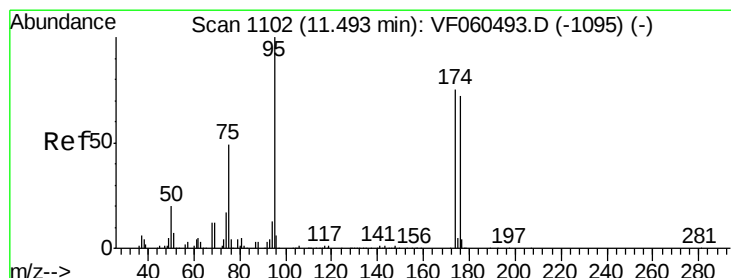
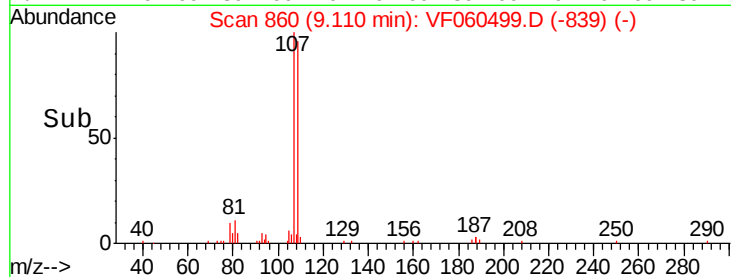
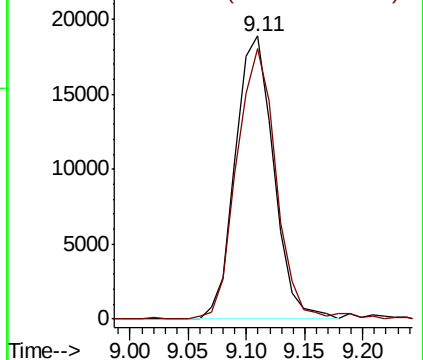
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 51.169 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.01 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

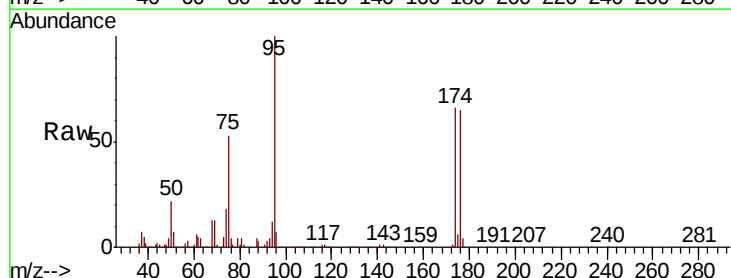
Tgt Ion: 95 Resp: 207217

Ion Ratio Lower Upper

95 100

174 66.3 0.0 150.4

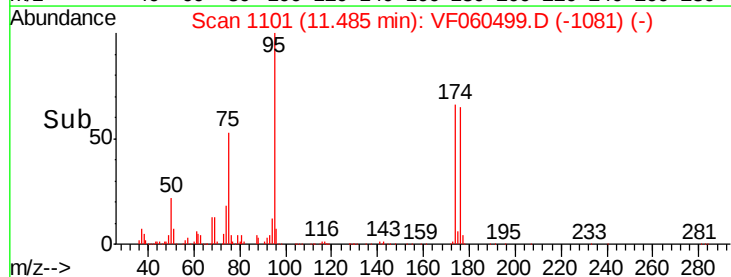
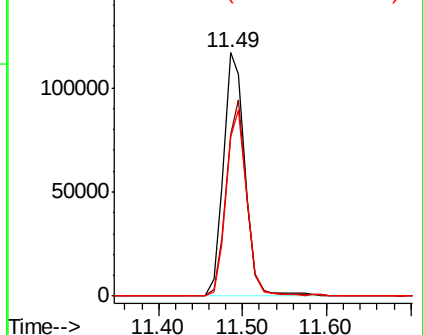
176 65.3 0.0 144.6

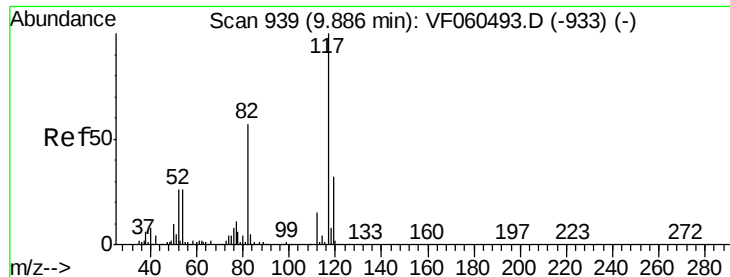


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





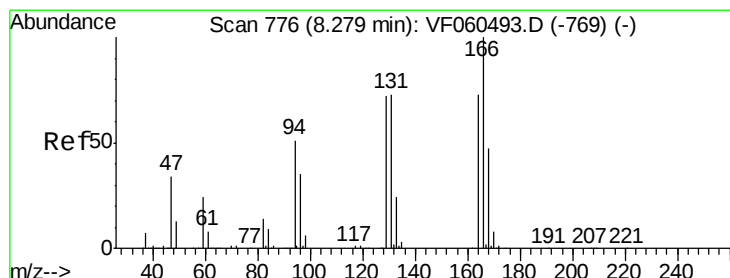
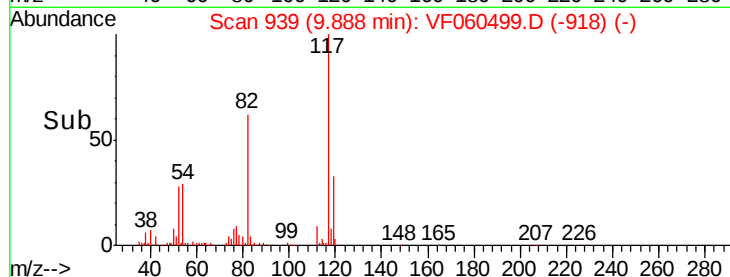
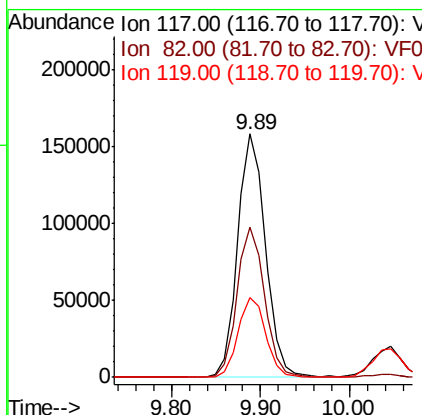
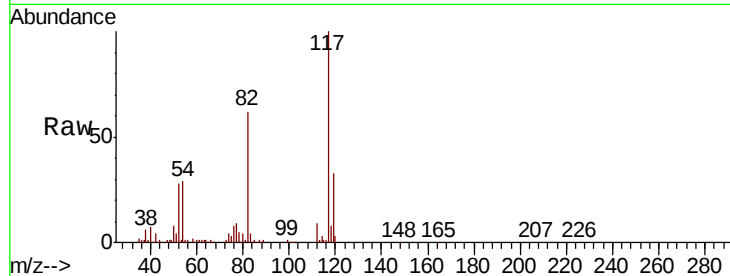
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 939
Delta R.T. 0.00 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Instrument :
MSVOA_F
ClientSampleId :
VF1009SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.6	45.6	68.4
119	32.8	25.3	37.9

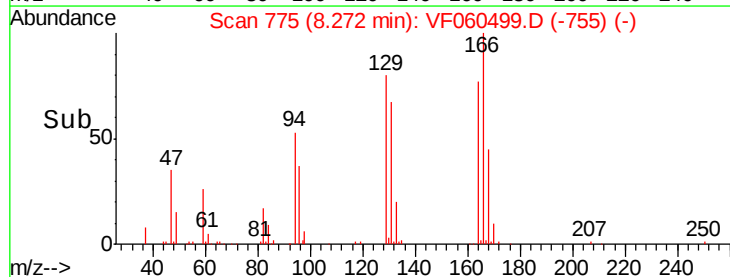
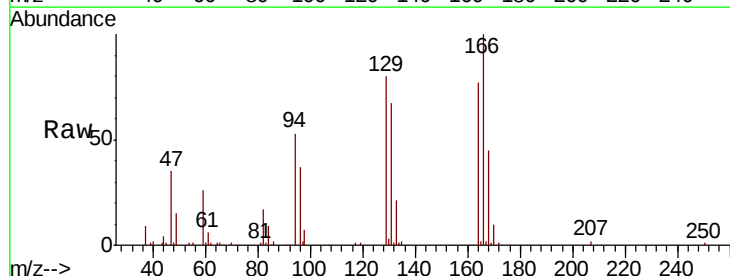
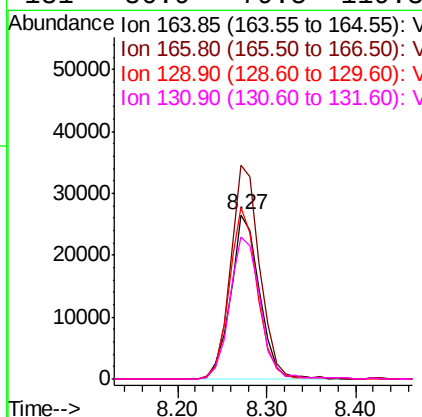
Manual Integrations
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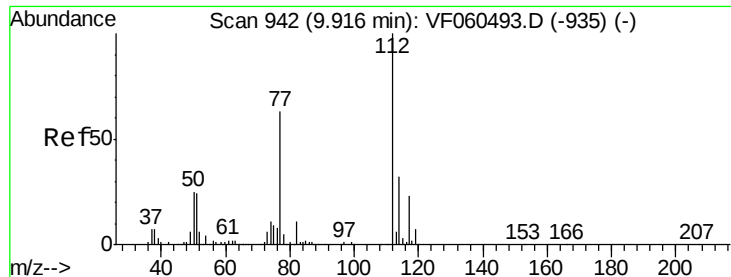
apatel
10/10/2018 12:34:12 PM



#64
Tetrachloroethene
Concen: 21.789 ug/l
RT: 8.27 min Scan# 775
Delta R.T. -0.01 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	109.4	164.0
129	104.1	78.9	118.3
131	86.9	79.5	119.3





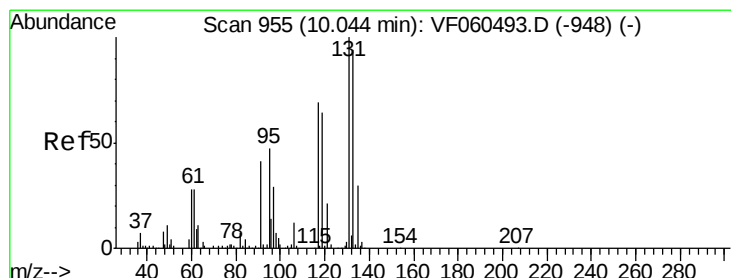
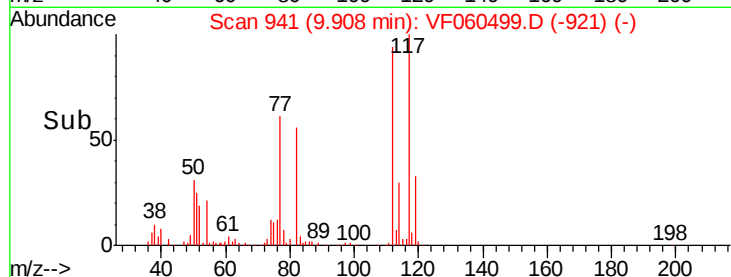
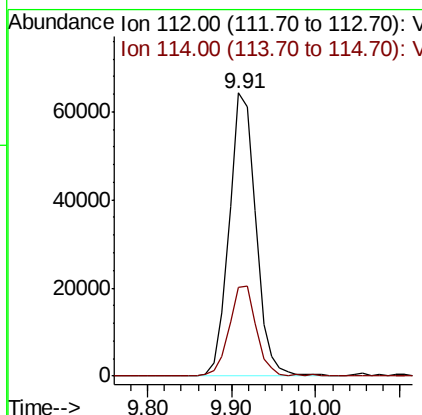
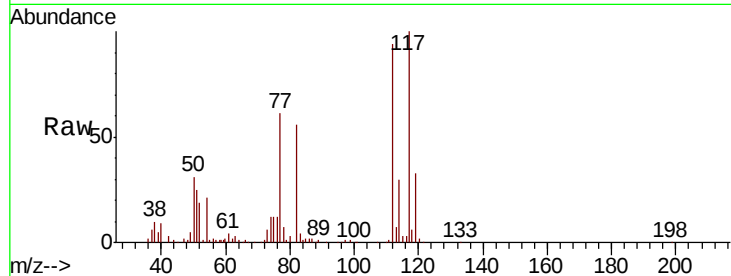
#65
Chlorobenzene
Concen: 21.150 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Instrument :
MSVOA_F
ClientSampleId :
VF1009SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.9	38.9

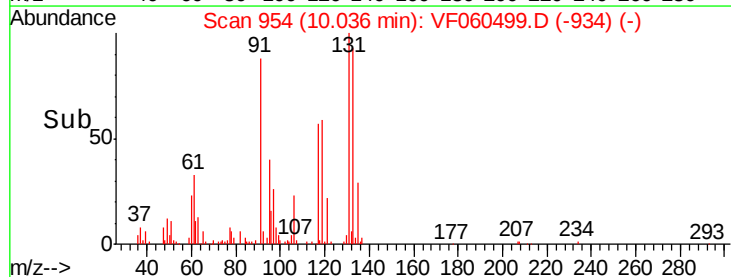
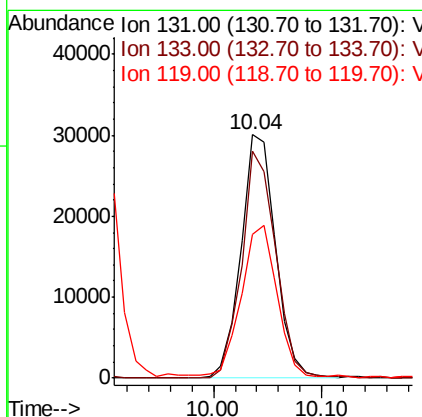
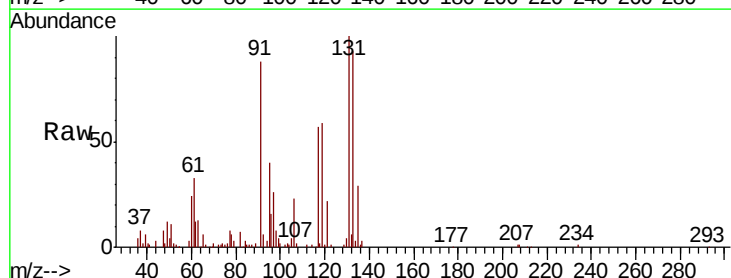
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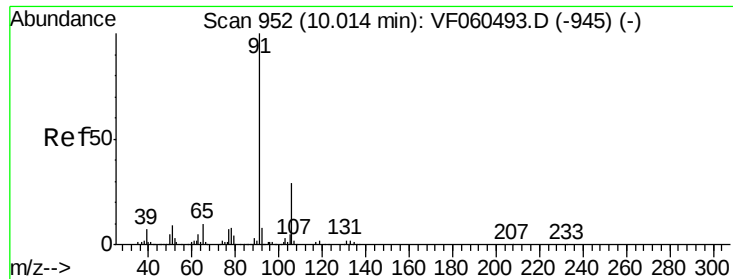
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.128 ug/l
RT: 10.04 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.0	47.1	141.4
119	59.2	32.0	96.2





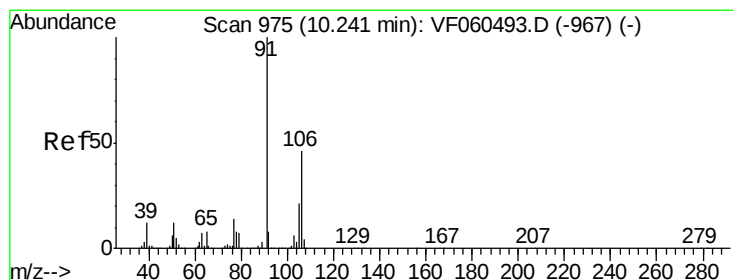
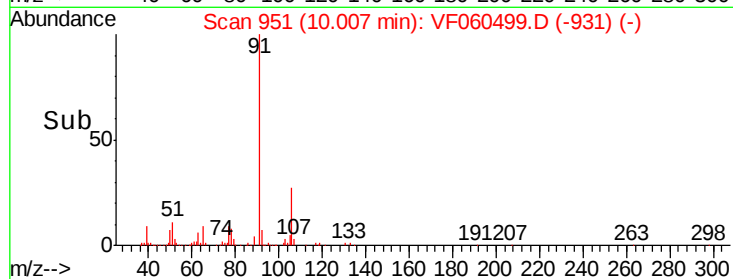
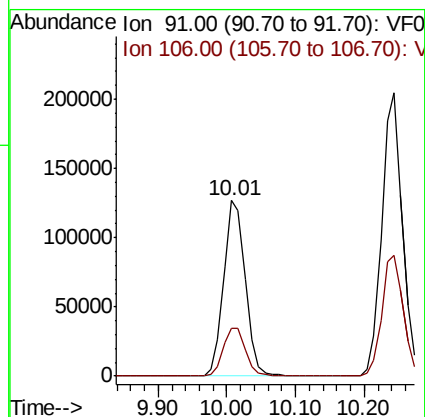
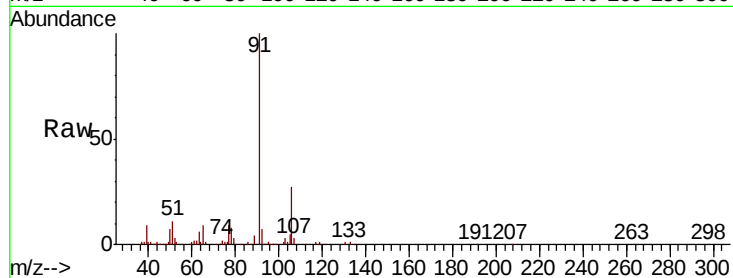
#67
Ethyl Benzene
Concen: 21.858 ug/l
RT: 10.01 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Instrument :
MSVOA_F
ClientSampleId :
VF1009SBS01

Tot Ion: 91 Resp: 276975
Ion Ratio Lower Upper
91 100
106 27.1 23.3 34.9

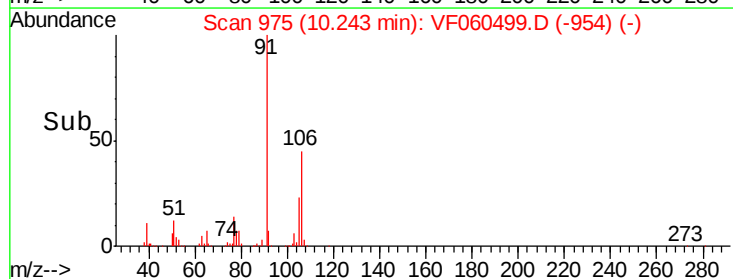
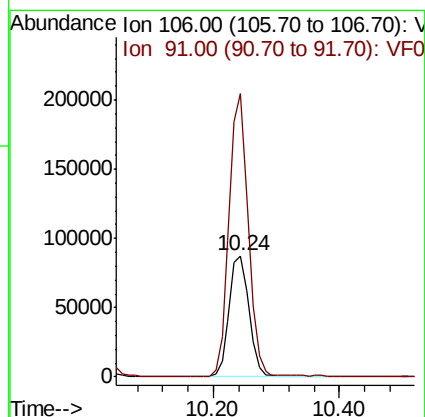
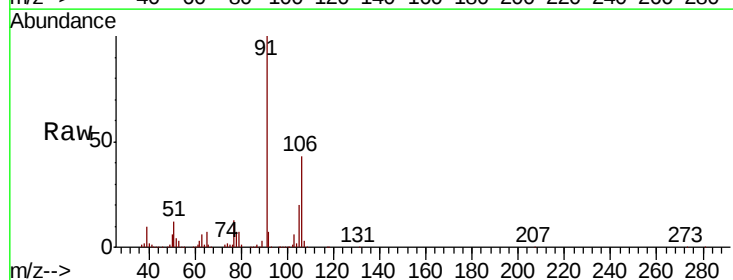
Manual Integrations
APPROVED

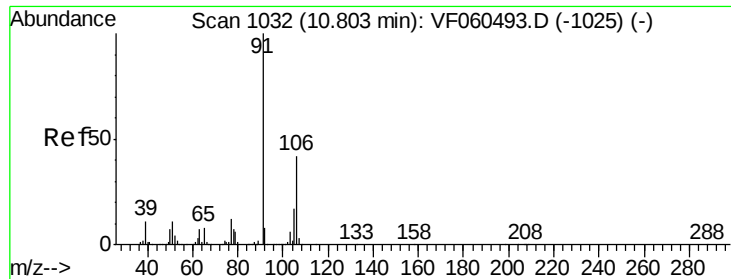
apatel
10/10/2018 12:34:12 PM



#68
m/p-Xylenes
Concen: 44.462 ug/l
RT: 10.24 min Scan# 975
Delta R.T. 0.00 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Tgt Ion: 106 Resp: 192329
Ion Ratio Lower Upper
106 100
91 233.6 174.6 262.0





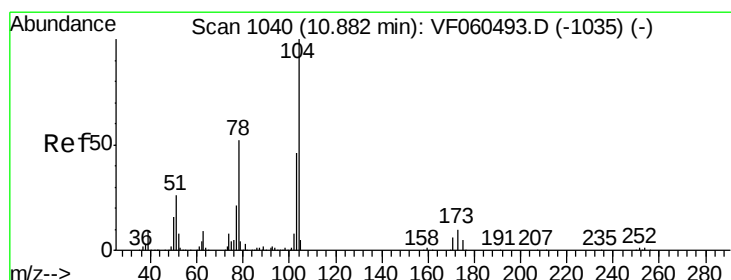
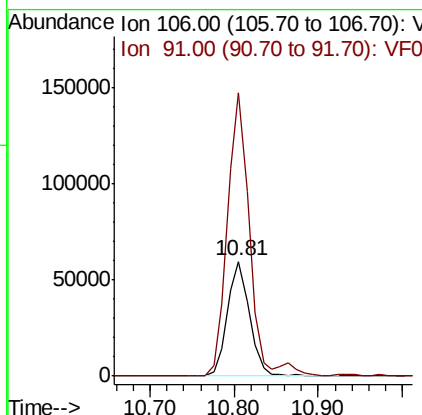
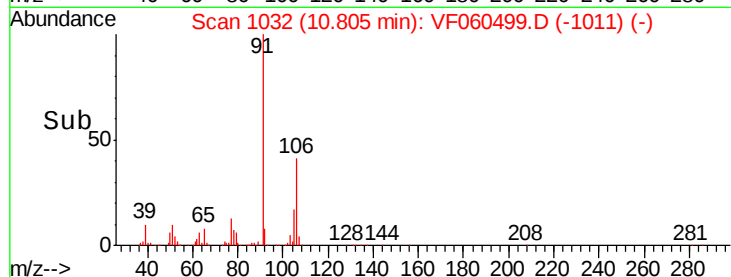
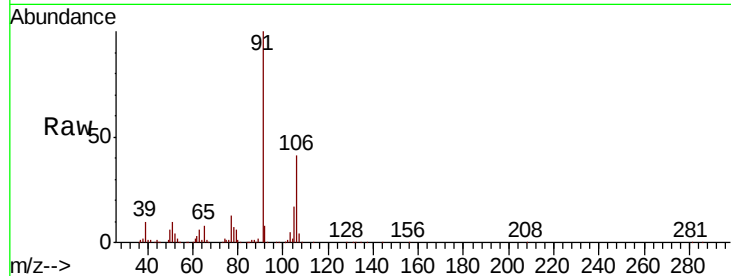
#69
o-Xylene
Concen: 23.060 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Instrument :
MSVOA_F
ClientSampleId :
VF1009SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	246.7	118.8	356.3

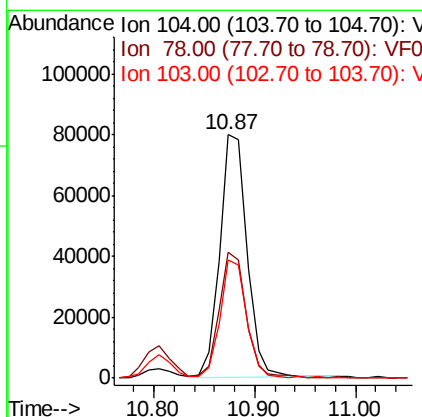
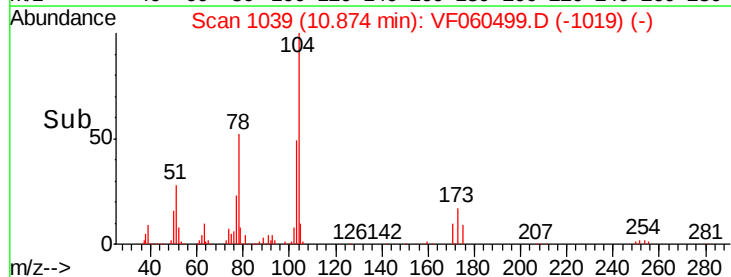
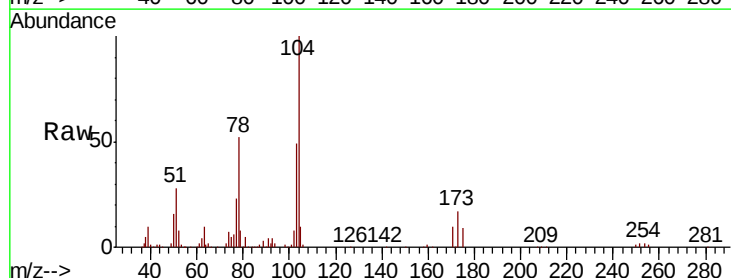
Manual Integrations
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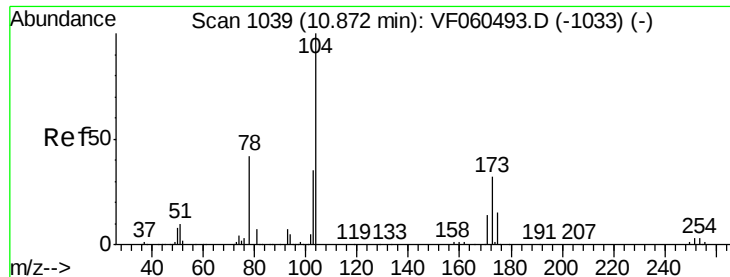
apatel
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#70
Styrene
Concen: 22.265 ug/l
RT: 10.87 min Scan# 1039
Delta R.T. -0.01 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	51.8	42.7	64.1
103	103	48.8	37.6	56.4





#71

Bromoform

Concen: 21.904 ug/l

RT: 10.86 min Scan# 1038

Delta R.T. -0.01 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

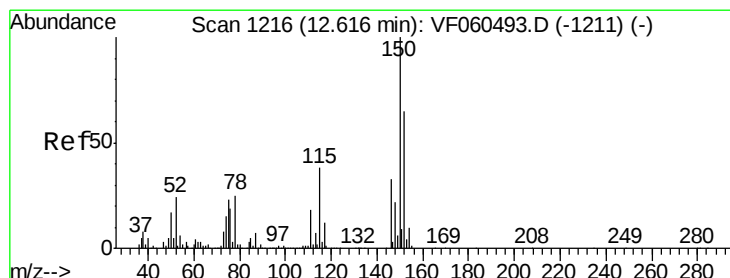
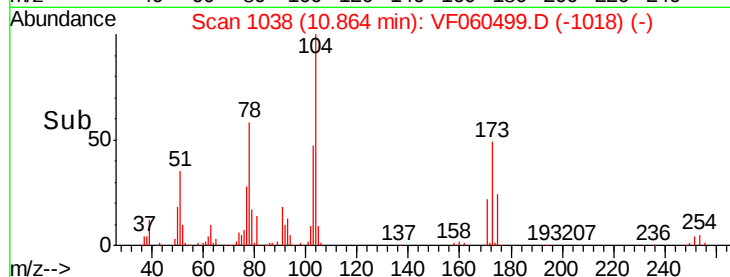
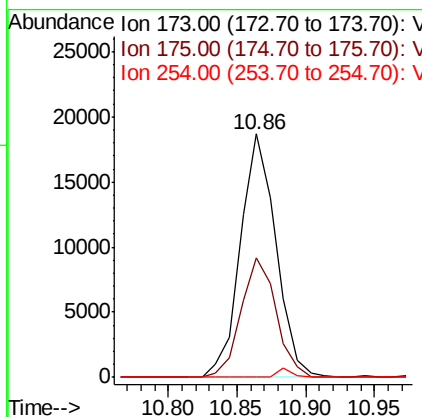
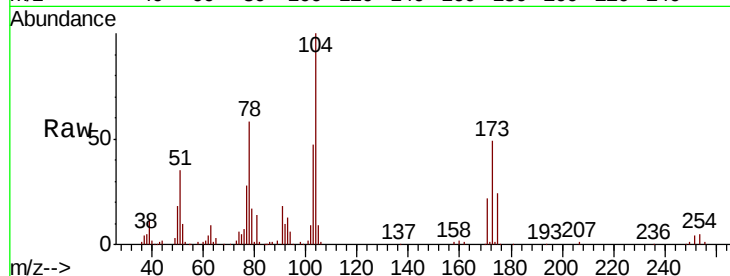
ClientSampleId :

VF1009SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.2	69.6
254	0.0	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

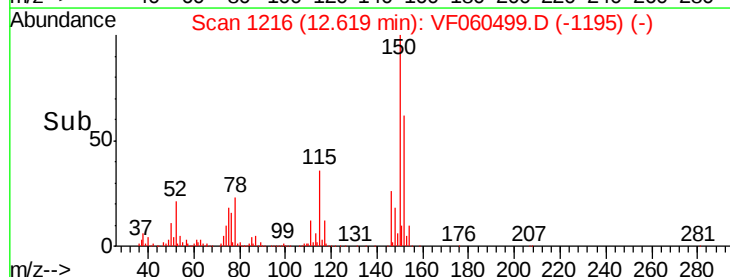
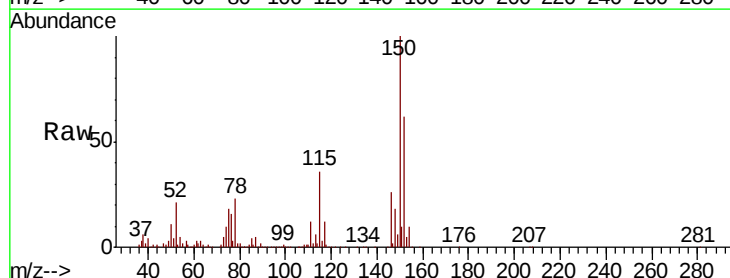
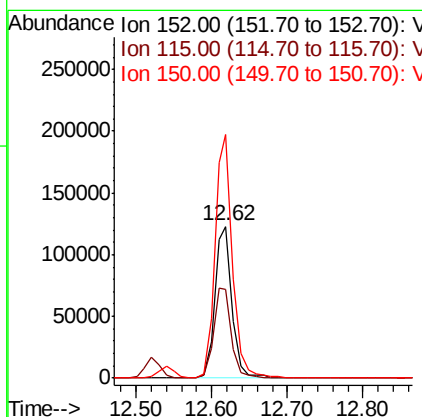
RT: 12.62 min Scan# 1216

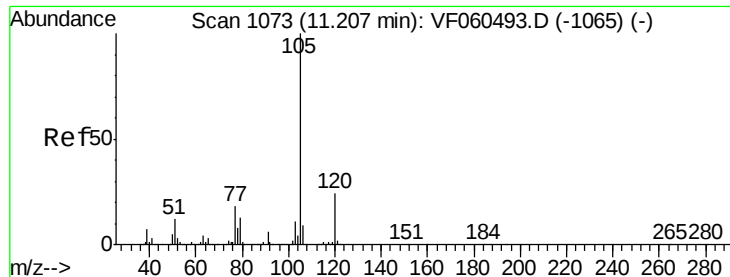
Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	29.5	88.5
150	160.4	0.0	310.0





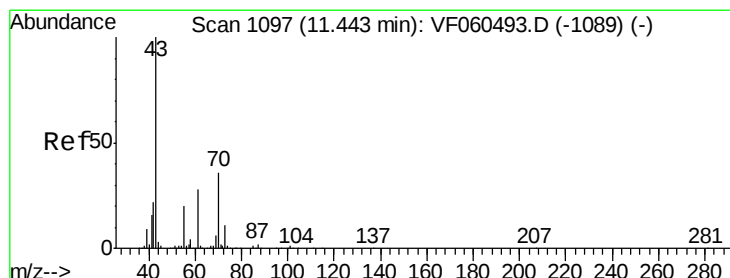
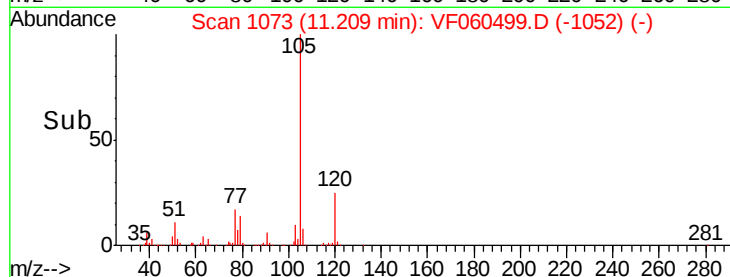
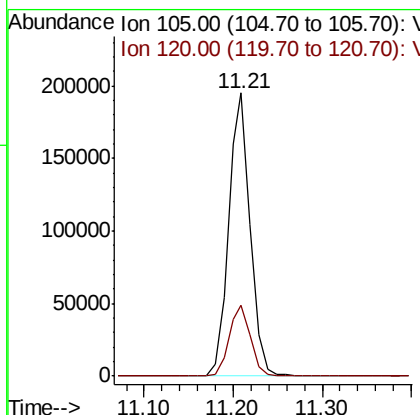
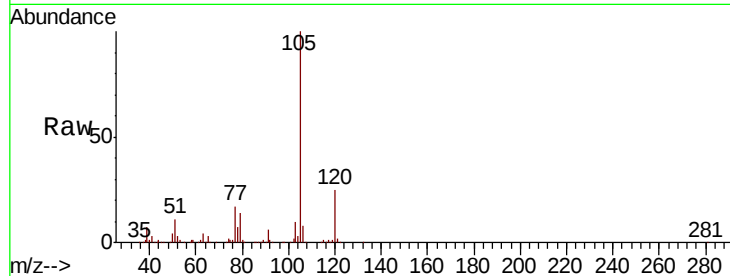
#73
Isopropylbenzene
Concen: 22.664 ug/l
RT: 11.21 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Instrument :
MSVOA_F
ClientSampleId :
VF1009SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.1	11.9	35.9

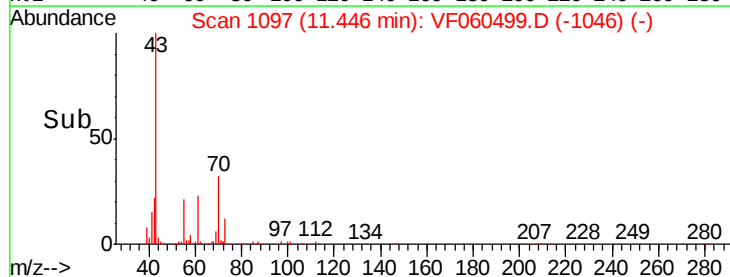
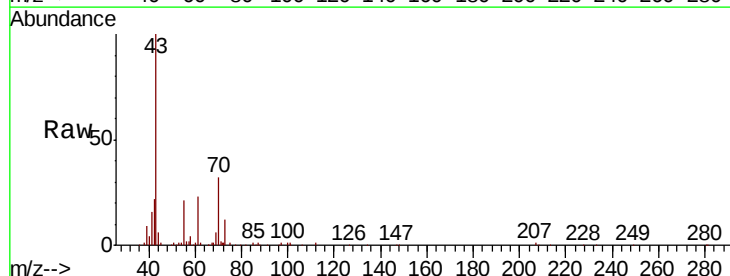
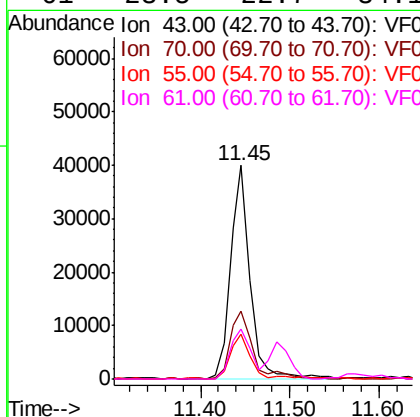
Manual Integrations
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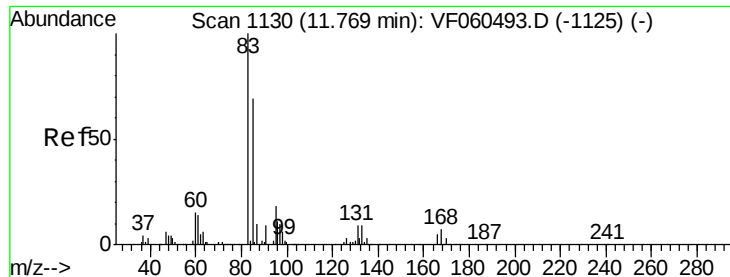
apatel
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#74
N-ethyl acetate
Concen: 19.568 ug/l
RT: 11.45 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Tgt Ion	Ratio	Lower	Upper
43	100		
70	31.9	28.7	43.1
55	21.2	16.1	24.1
61	23.5	22.7	34.1





#75

1,1,2,2-Tetrachloroethane

Concen: 22.300 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

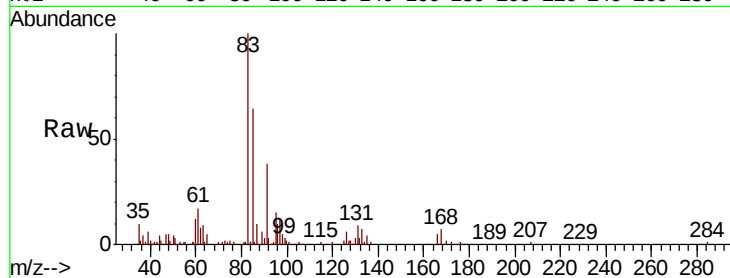
ClientSampleId :

VF1009SBS01

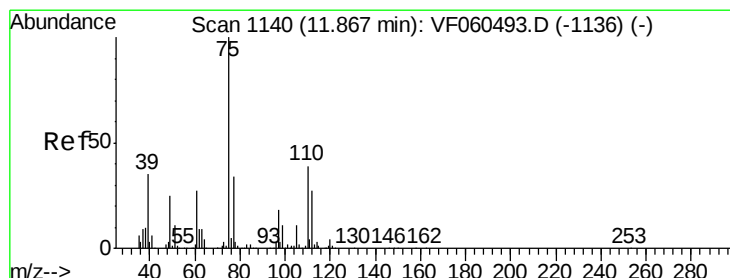
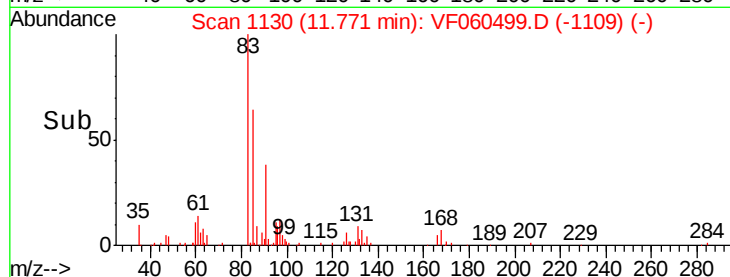
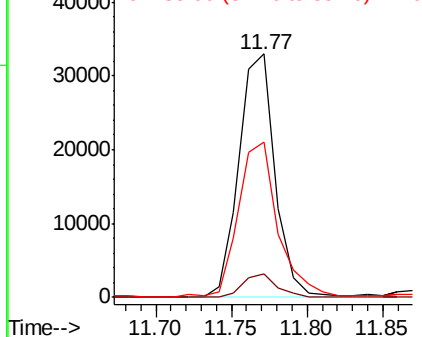
Tot Ion:	83	Resp:	54826
Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.4
85	63.8	34.8	104.4

Manual Integrations
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10/10/2018 12:34:12 PM



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 20.430 ug/l

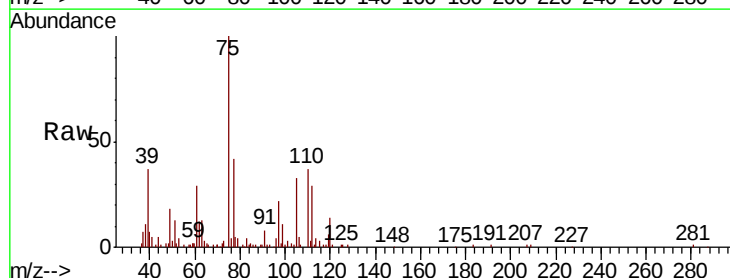
RT: 11.87 min Scan# 1140

Delta R.T. 0.00 min

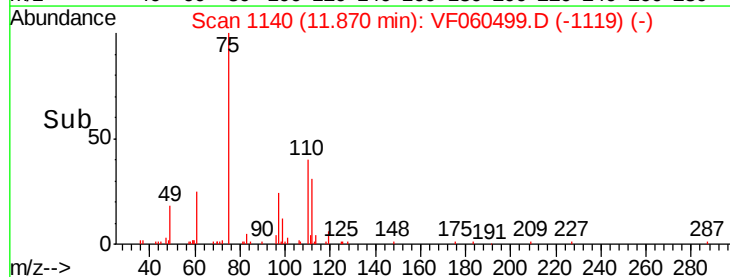
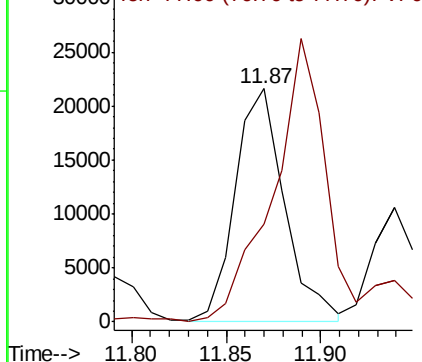
Lab File: VF060499.D

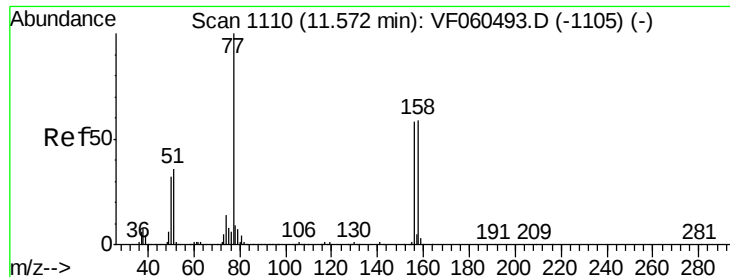
Acq: 9 Oct 2018 20:03

Tgt Ion:	75	Resp:	38829
Ion	Ratio	Lower	Upper
75	100		
77	41.9	17.4	52.2



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.360 ug/l

RT: 11.57 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBS01

Tot Ion:156 Resp: 69432

Ion Ratio Lower Upper

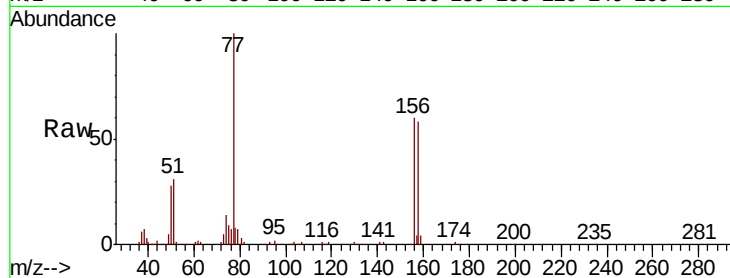
156 100

77 166.6 86.3 258.8

158 95.9 51.1 153.3

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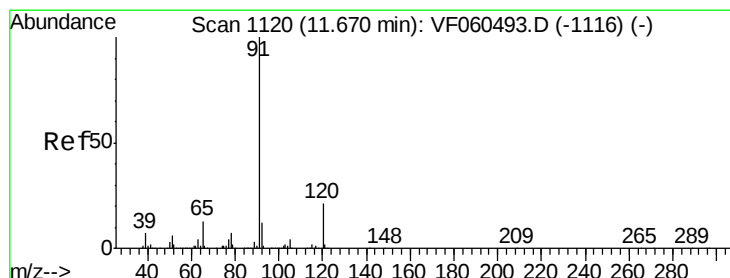
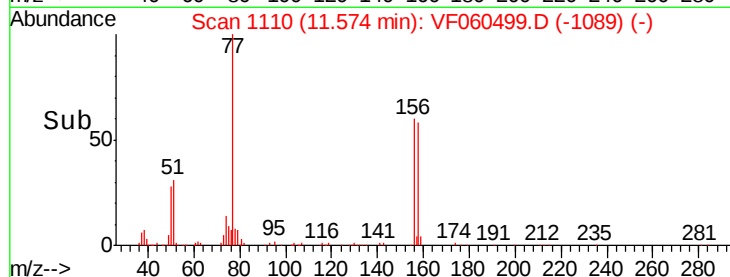
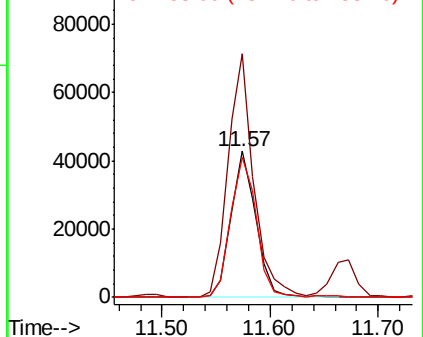
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 22.893 ug/l

RT: 11.67 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VF060499.D

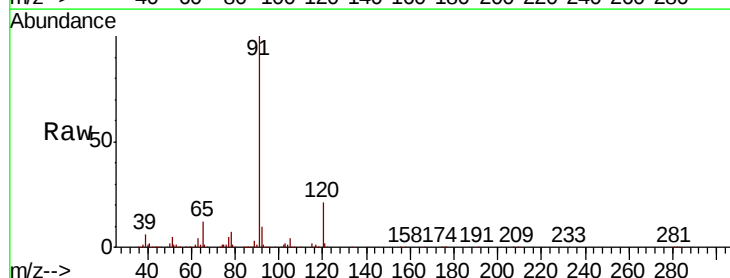
Acq: 9 Oct 2018 20:03

Tgt Ion: 91 Resp: 398815

Ion Ratio Lower Upper

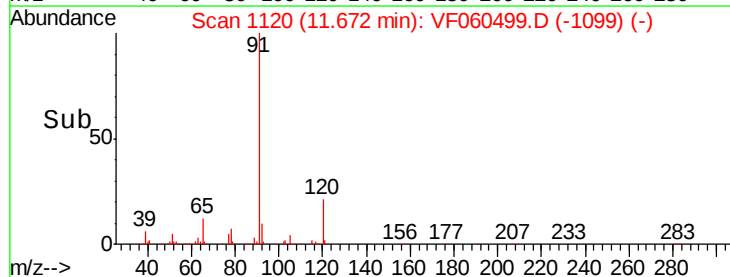
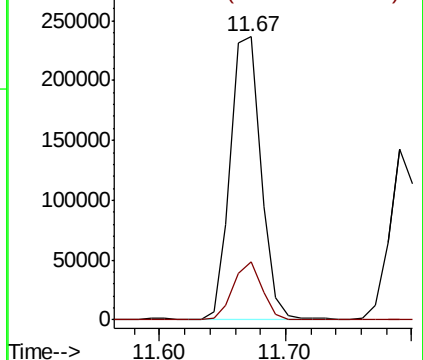
91 100

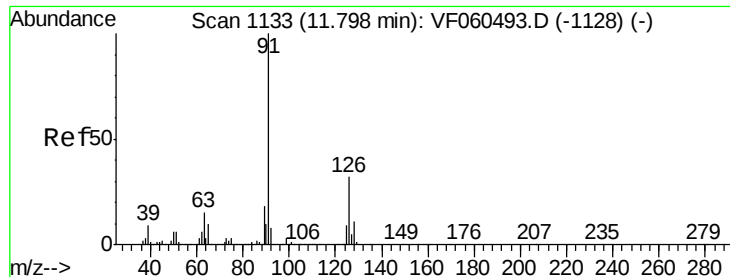
120 20.5 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.876 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.01 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBS01

Tot Ion: 91 Resp: 223107

Ion Ratio Lower Upper

91 100

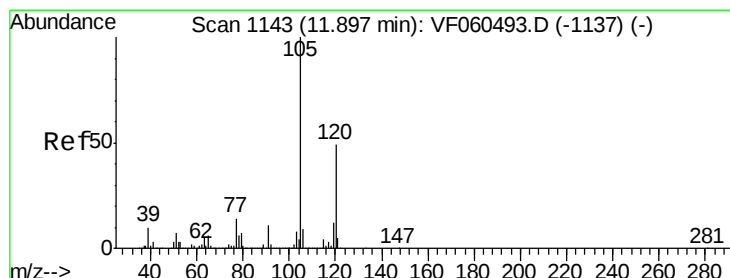
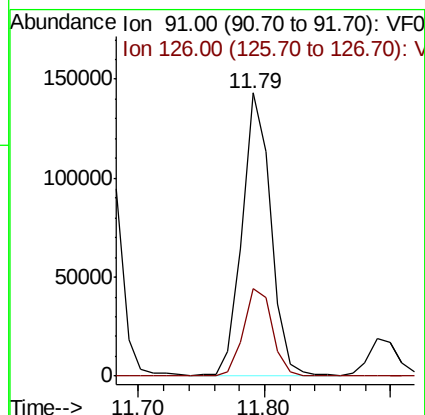
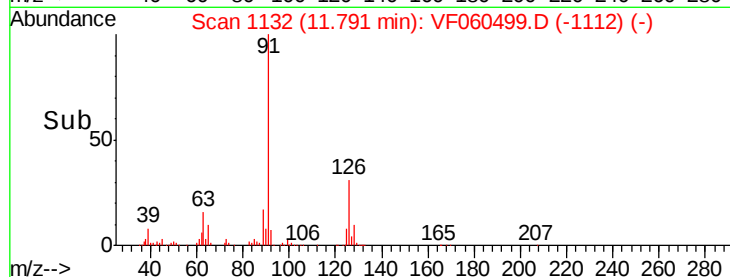
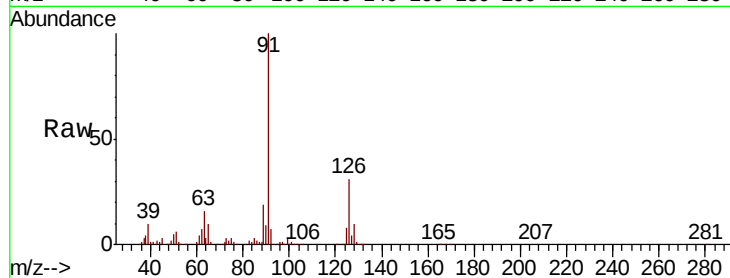
126 30.9 16.1 48.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 22.565 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF060499.D

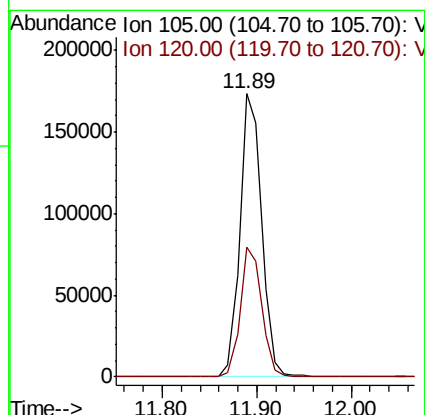
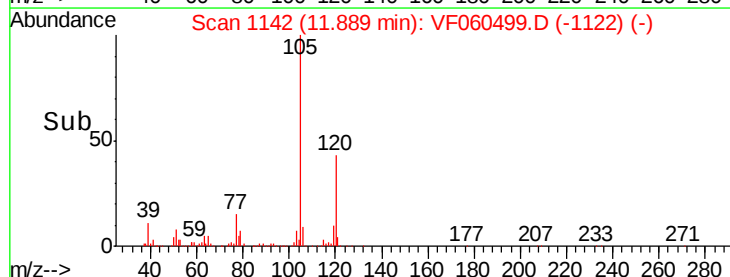
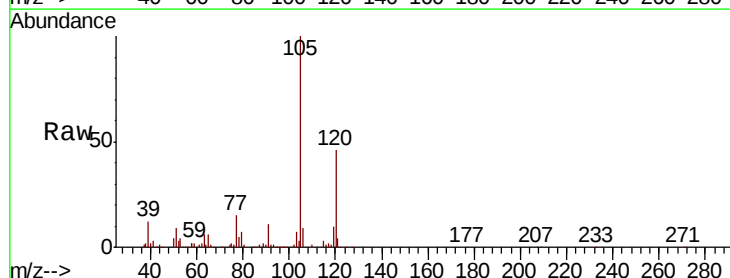
Acq: 9 Oct 2018 20:03

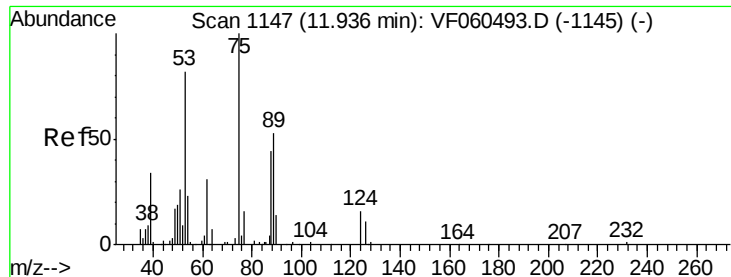
Tgt Ion: 105 Resp: 276894

Ion Ratio Lower Upper

105 100

120 45.7 24.4 73.2





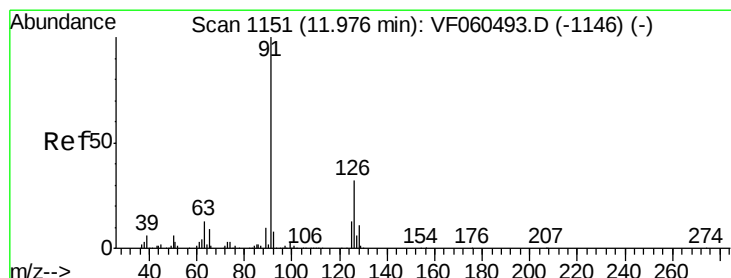
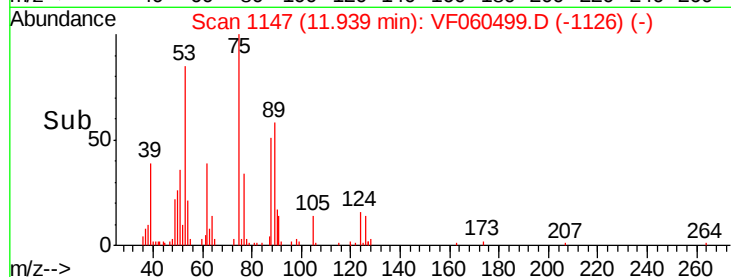
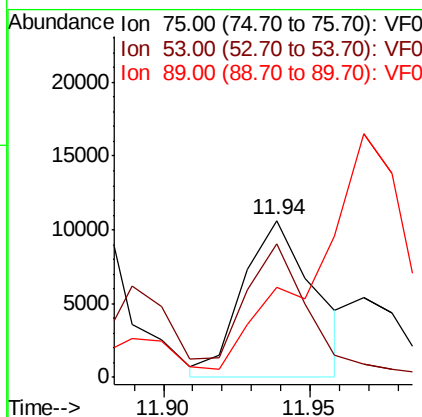
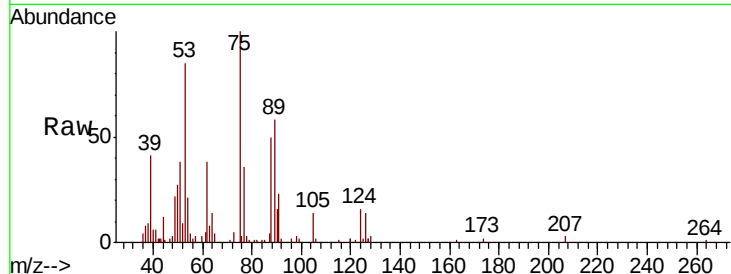
#81
trans-1,4-Dichloro-2-butene
Concen: 21.893 ug/l m
RT: 11.94 min Scan# 1147
Delta R.T. 0.00 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Instrument :
MSVOA_F
ClientSampleId :
VF1009SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.9	71.0	106.6
89	57.5	43.1	64.7

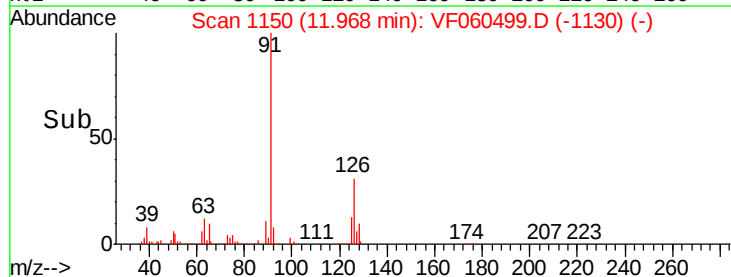
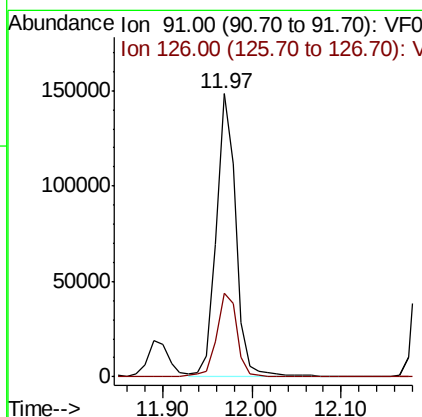
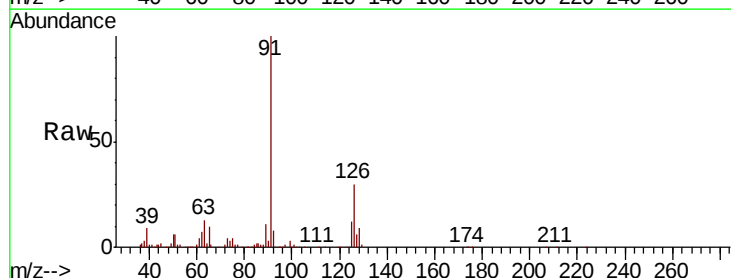
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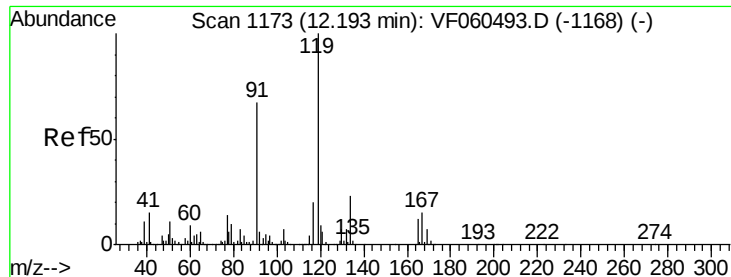
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#82
4-Chlorotoluene
Concen: 21.624 ug/l
RT: 11.97 min Scan# 1150
Delta R.T. -0.01 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.7	16.0	47.9





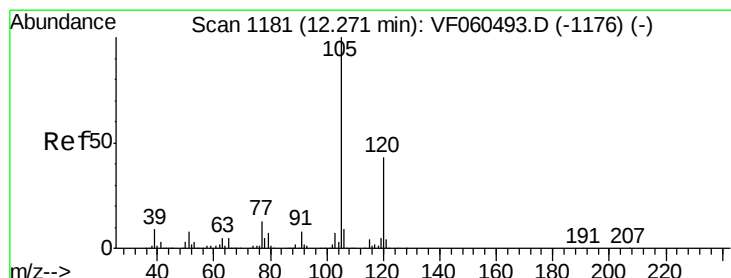
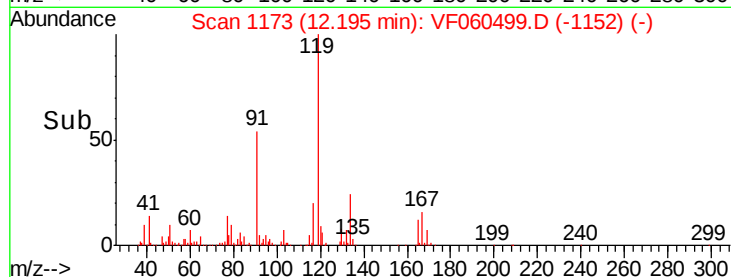
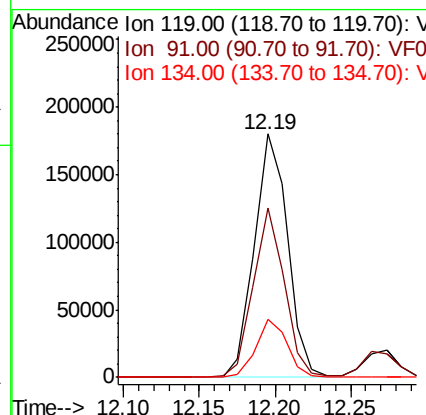
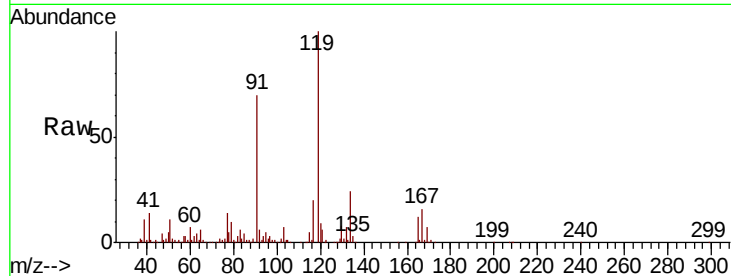
#83
tert-Butylbenzene
Concen: 22.613 ug/l
RT: 12.19 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Instrument :
MSVOA_F
ClientSampleId :
VF1009SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	278953		
91	69.7	33.6	100.8	
134	24.0	11.5	34.5	

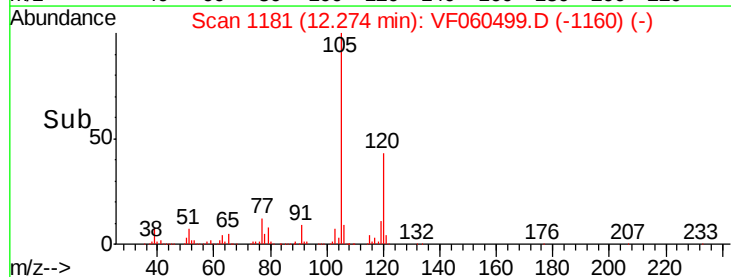
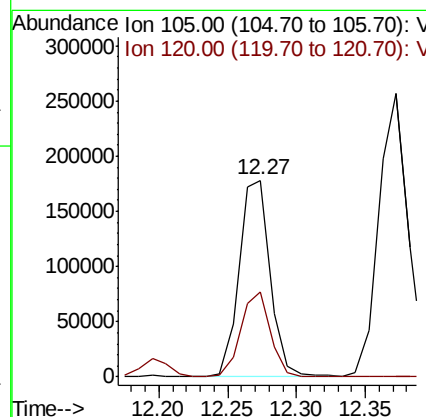
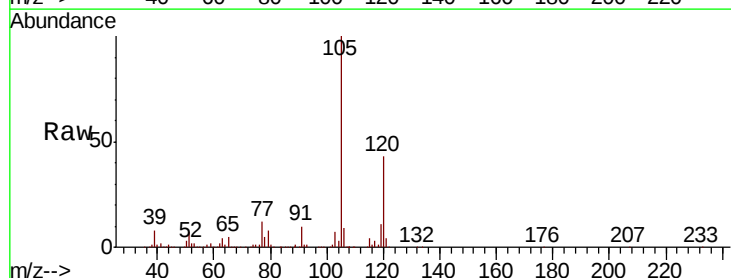
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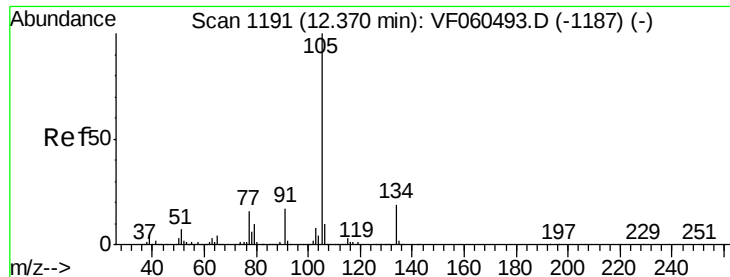
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#84
1,2,4-Trimethylbenzene
Concen: 22.488 ug/l
RT: 12.27 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	280167		
120	43.4	21.7	65.1	





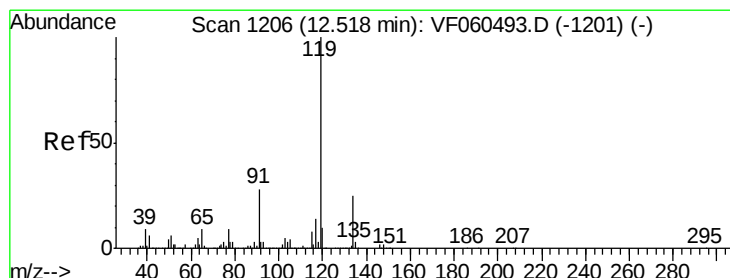
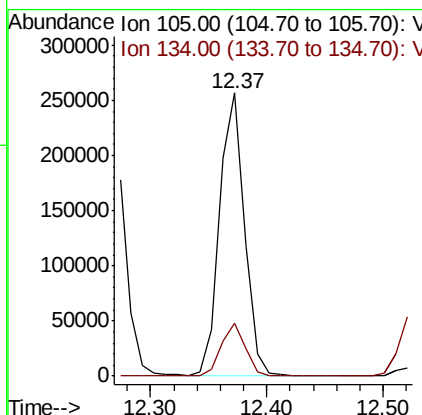
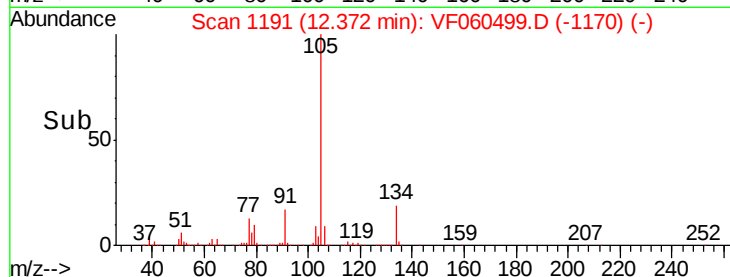
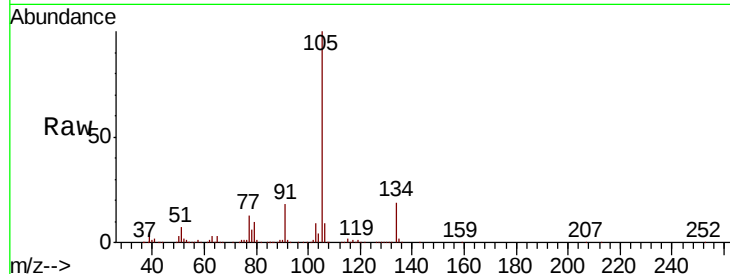
#85
 sec-Butylbenzene
 Concen: 22.713 ug/l
 RT: 12.37 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VF060499.D
 Acq: 9 Oct 2018 20:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1009SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.7	9.3	27.9

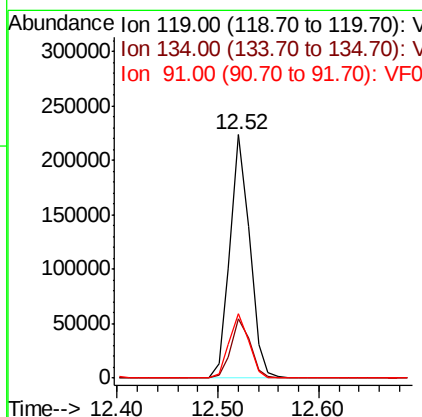
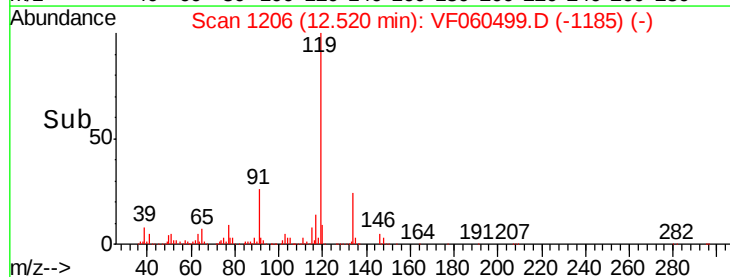
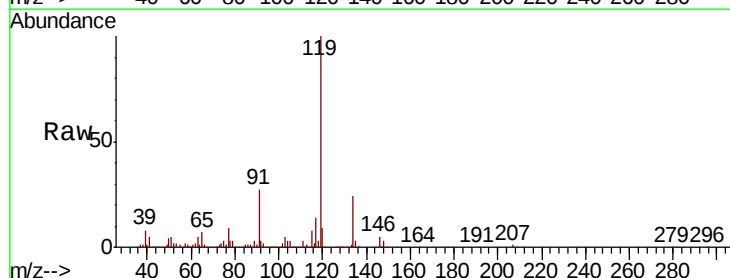
Manual Integrations
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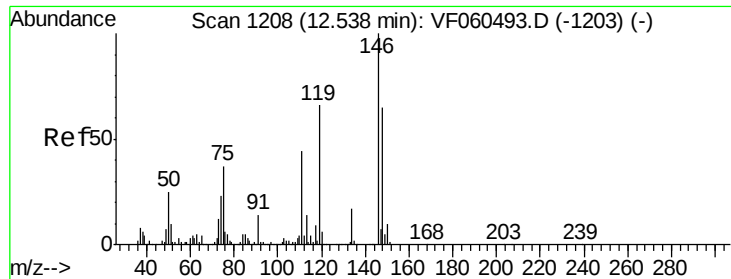
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#86
 p-Isopropyltoluene
 Concen: 22.204 ug/l
 RT: 12.52 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: VF060499.D
 Acq: 9 Oct 2018 20:03

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.3	12.6	37.6
91	26.6	14.1	42.4





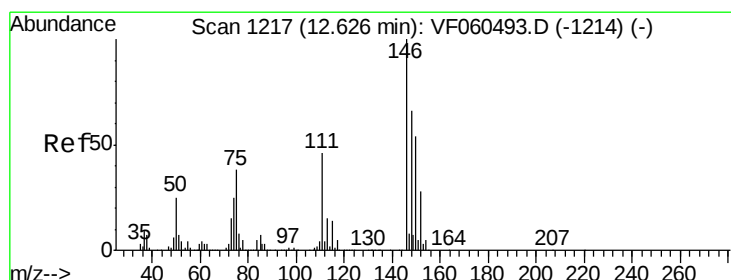
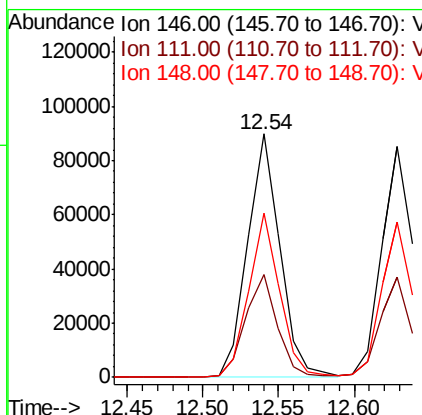
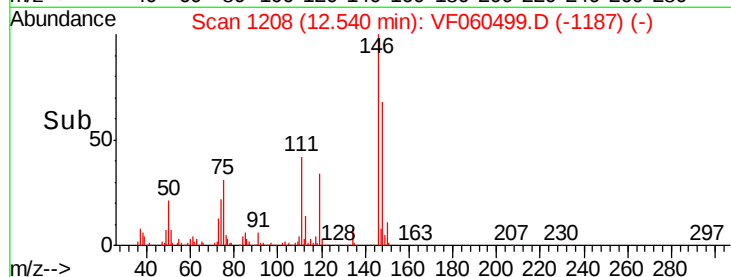
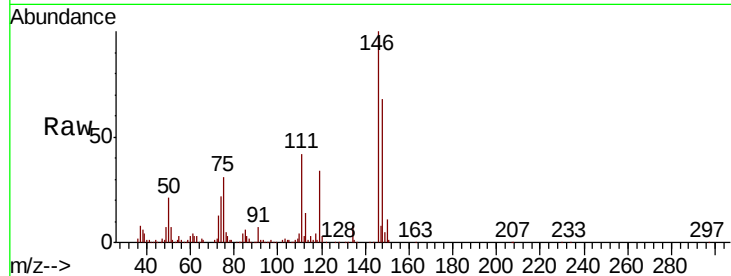
#87
 1,3-Dichlorobenzene
 Concen: 21.706 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. 0.00 min
 Lab File: VF060499.D
 Acq: 9 Oct 2018 20:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1009SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	22.2	66.6
148	67.7	32.7	98.1

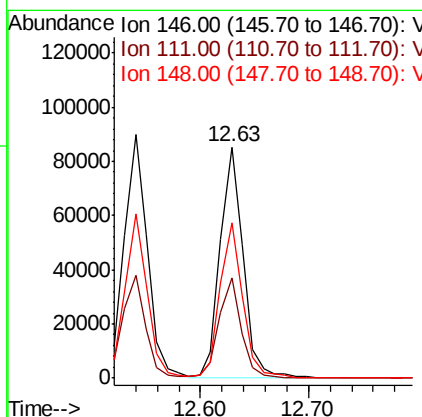
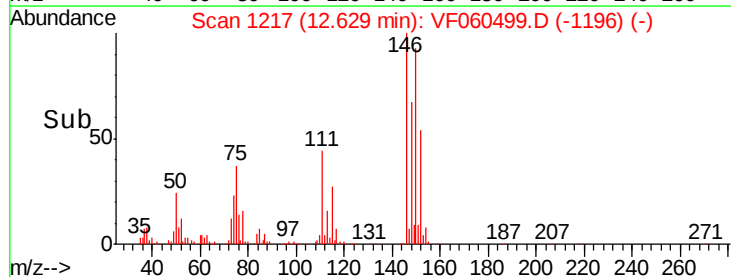
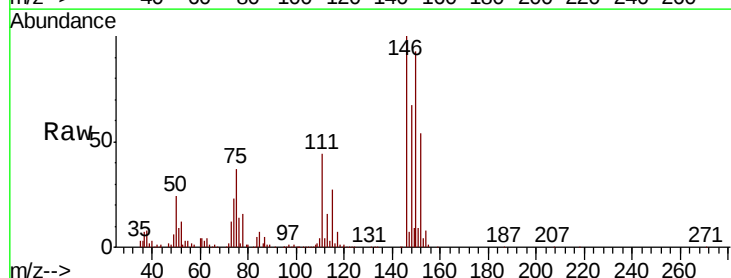
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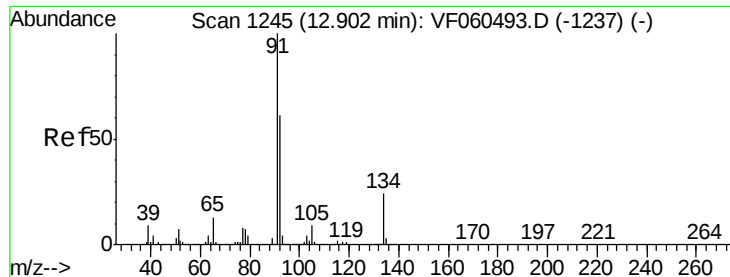
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#88
 1,4-Dichlorobenzene
 Concen: 21.032 ug/l
 RT: 12.63 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VF060499.D
 Acq: 9 Oct 2018 20:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	23.2	69.6
148	67.4	33.3	99.9





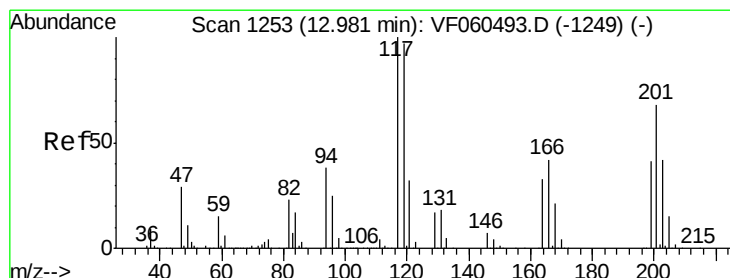
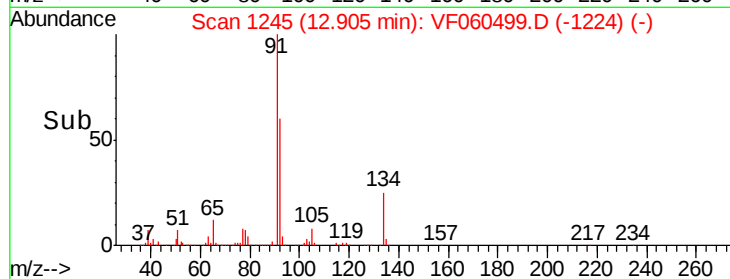
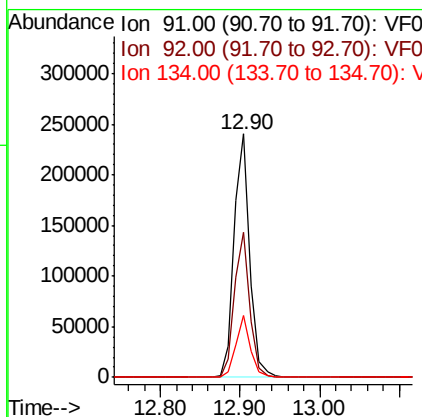
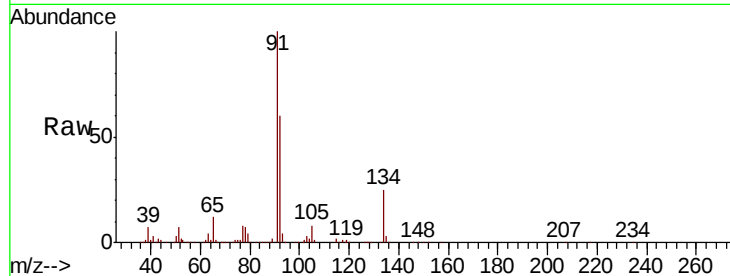
#89
n-Butylbenzene
Concen: 23.265 ug/l
RT: 12.90 min Scan# 1245
Delta R.T. 0.00 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Instrument :
MSVOA_F
ClientSampleId :
VF1009SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.8	30.8	92.3
134	25.3	12.1	36.3

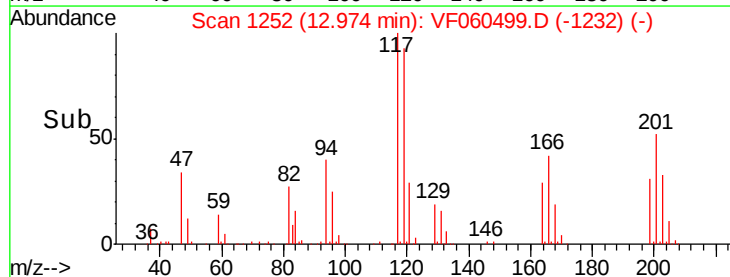
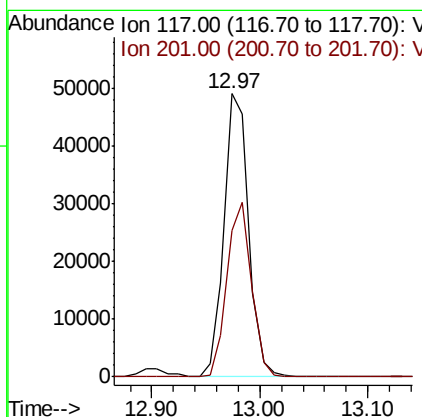
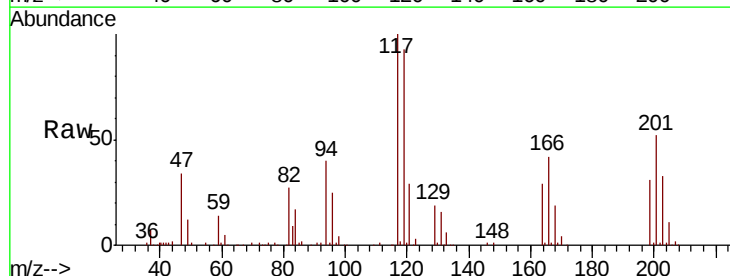
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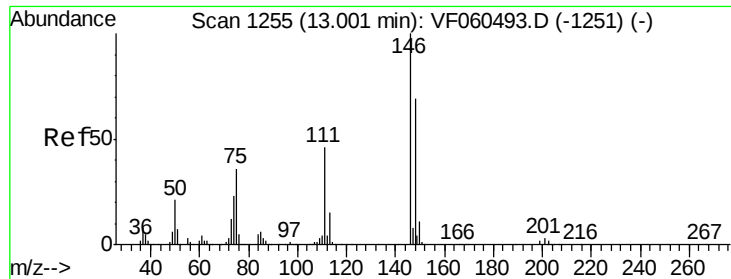
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#90
Hexachloroethane
Concen: 23.765 ug/l
RT: 12.97 min Scan# 1252
Delta R.T. -0.01 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	51.7	34.0	102.0





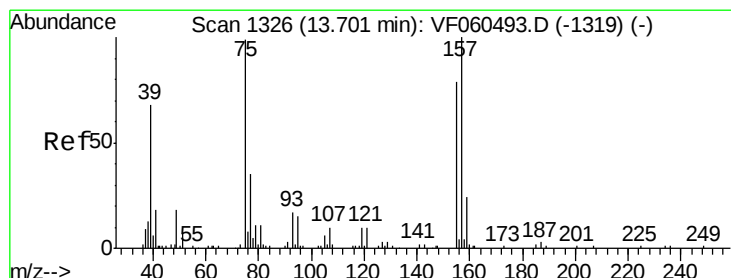
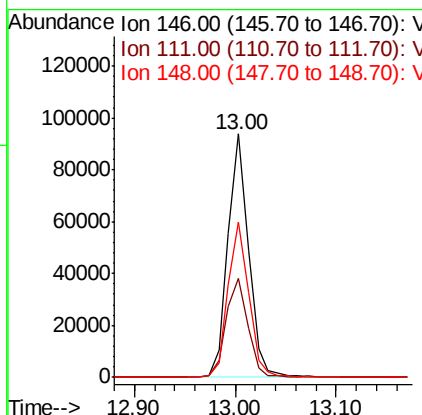
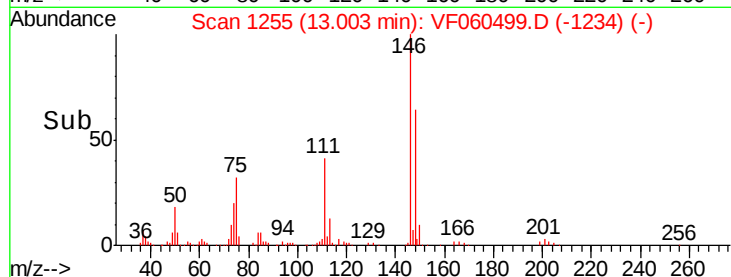
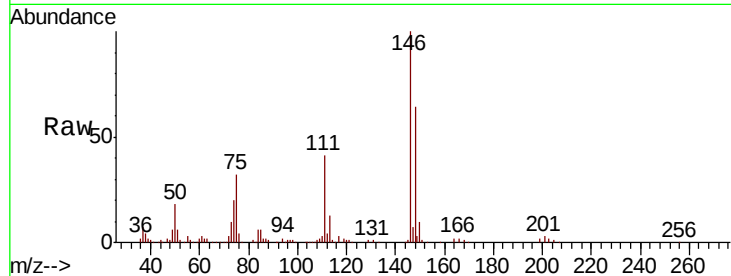
#91
 1,2-Dichlorobenzene
 Concen: 22.429 ug/l
 RT: 13.00 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VF060499.D
 Acq: 9 Oct 2018 20:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1009SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	22.9	68.7
148	63.9	34.5	103.5

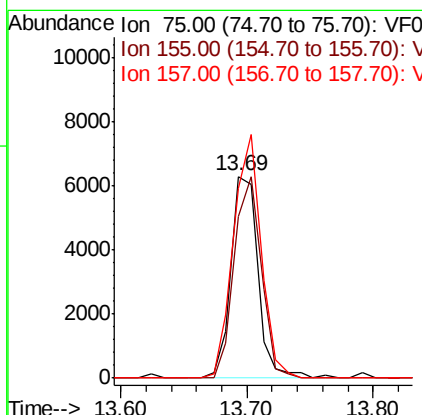
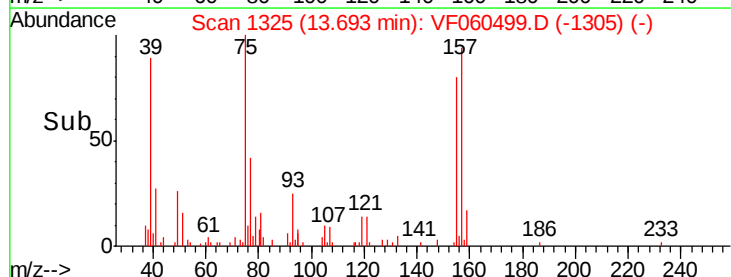
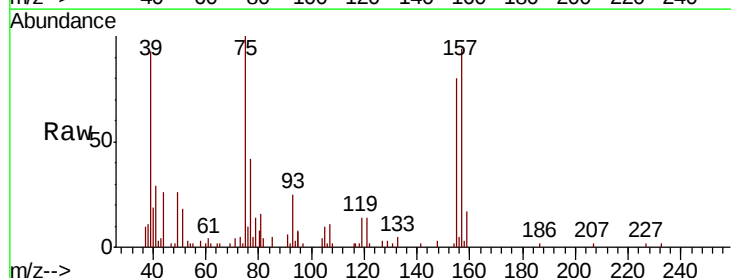
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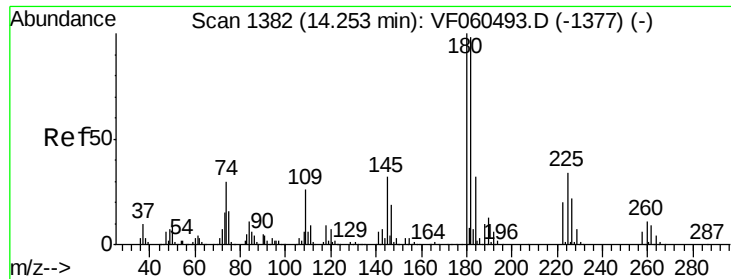
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.904 ug/l
 RT: 13.69 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: VF060499.D
 Acq: 9 Oct 2018 20:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.4	40.6	121.7
157	94.4	50.8	152.5





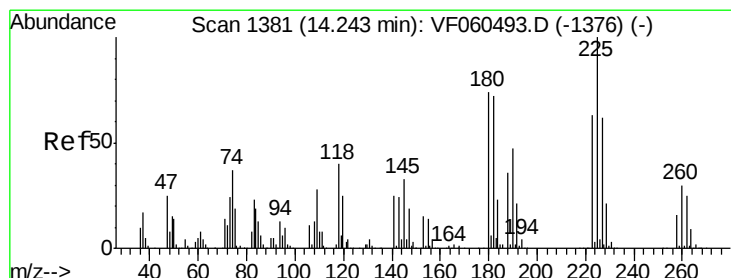
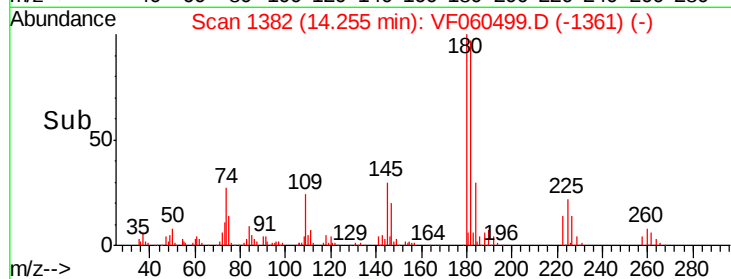
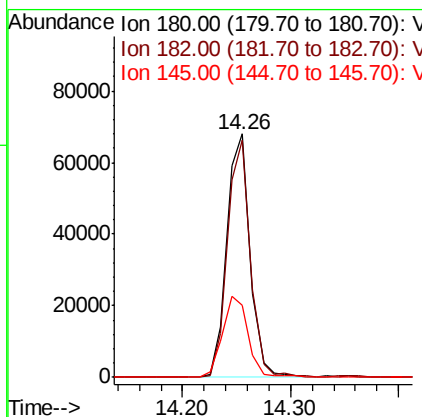
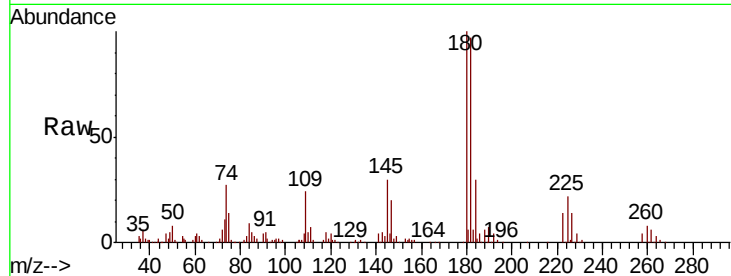
#93
 1,2,4-Trichlorobenzene
 Concen: 22.181 ug/l
 RT: 14.26 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VF060499.D
 Acq: 9 Oct 2018 20:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1009SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	102095		
182	97.3	48.9	146.8	
145	29.7	16.2	48.5	

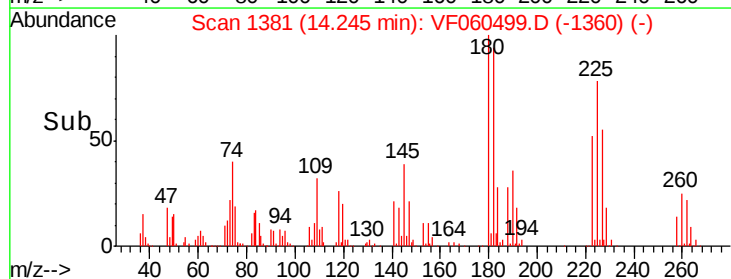
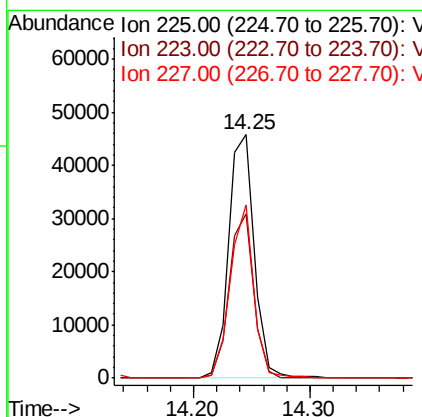
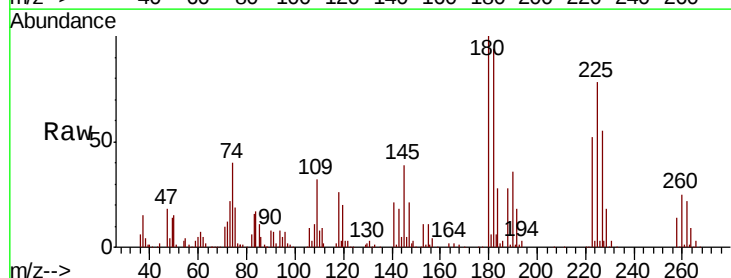
Manual Integrations
 APPROVED

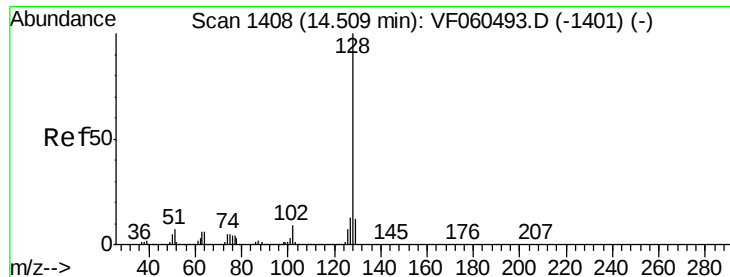
apatel
 10/10/2018 12:34:12 PM



#94
 Hexachlorobutadiene
 Concen: 22.384 ug/l
 RT: 14.25 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VF060499.D
 Acq: 9 Oct 2018 20:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	70047		
223	67.3	31.4	94.2	
227	71.1	30.9	92.7	





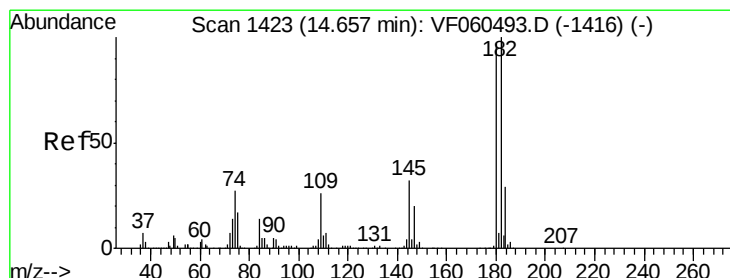
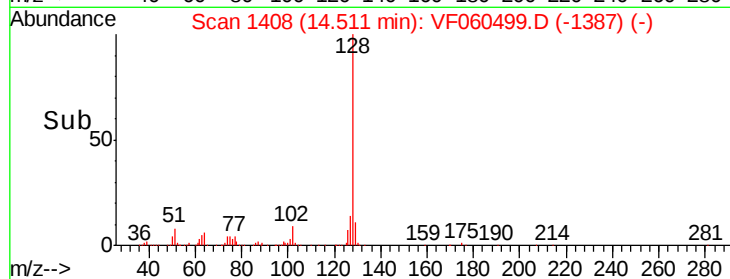
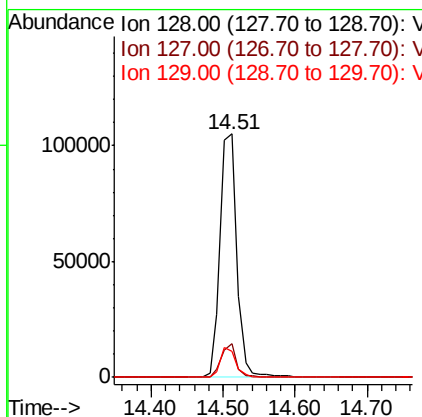
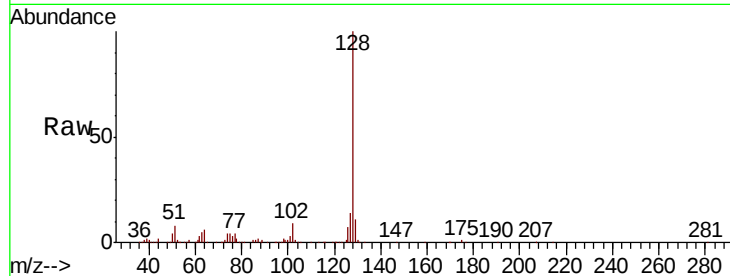
#95
Naphthalene
Concen: 21.436 ug/l
RT: 14.51 min Scan# 1408
Delta R.T. 0.00 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Instrument :
MSVOA_F
ClientSampleId :
VF1009SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.2	15.2
129	10.6	9.2	13.8

Manual Integrations
APPROVED

apatel
10/10/2018 12:34:12 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.802 ug/l
RT: 14.65 min Scan# 1422
Delta R.T. -0.01 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.4	51.3	153.9
145	33.6	16.4	49.2

