

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100918\
 Data File : VF060491.D
 Acq On : 9 Oct 2018 15:15
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
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 10/10/2018 12:33:43 PM

Quant Time: Oct 10 02:02:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 10 01:47:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	258155	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.73	114	417593	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	368112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	215227	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	37138	9.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.48%	
35) Dibromofluoromethane	4.26	113	41969	10.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.50%	
50) Toluene-d8	7.68	98	94887	9.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.92%	
62) 4-Bromofluorobenzene	11.49	95	41111	9.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	58059	9.847	ug/l	96
3) Chloromethane	1.13	50	35031	10.183	ug/l	96
4) Vinyl Chloride	1.18	62	37041	10.289	ug/l #	83
5) Bromomethane	1.36	94	31750	11.405	ug/l #	79
6) Chloroethane	1.43	64	19414	10.836	ug/l #	84
7) Trichlorofluoromethane	1.54	101	81832	9.853	ug/l #	82
8) Diethyl Ether	1.69	74	11322	9.735	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.89	101	42295	10.535	ug/l	94
10) Methyl Iodide	1.96	142	62601	10.139	ug/l	93
11) Tert butyl alcohol	2.67	59	11657	48.816	ug/l #	91
12) 1,1-Dichloroethene	1.85	96	36361	11.513	ug/l	87
13) Acrolein	2.07	56	6250m	35.098	ug/l	
14) Allyl chloride	2.18	41	45359	9.195	ug/l	90
15) Acrylonitrile	3.05	53	25303	60.341	ug/l #	86
16) Acetone	2.32	43	56300	58.765	ug/l	96
17) Carbon Disulfide	1.89	76	95959	10.270	ug/l #	92
18) Methyl Acetate	2.43	43	16598	9.814	ug/l	97
19) Methyl tert-butyl Ether	2.52	73	75163	9.897	ug/l	99
20) Methylene Chloride	2.27	84	33127m	9.421	ug/l	
21) trans-1,2-Dichloroethene	2.39	96	30873	9.839	ug/l	85
22) Diisopropyl ether	2.91	45	106390	11.426	ug/l #	96
23) Vinyl Acetate	3.31	43	171439	47.652	ug/l	97
24) 1,1-Dichloroethane	2.98	63	72736	11.604	ug/l	97
25) 2-Butanone	4.48	43	52063	50.268	ug/l	98
26) 2,2-Dichloropropane	3.73	77	36192	10.410	ug/l	99
27) cis-1,2-Dichloroethene	3.61	96	35865	10.198	ug/l	84
28) Bromochloromethane	3.87	49	24686	11.117	ug/l	96
29) Tetrahydrofuran	4.23	42	23694	56.600	ug/l #	88
30) Chloroform	4.01	83	76745	10.158	ug/l	96
31) Cyclohexane	3.83	56	44900	10.322	ug/l	98
32) 1,1,1-Trichloroethane	4.25	97	64000	10.305	ug/l	98
36) 1,1-Dichloropropene	4.43	75	50850	9.961	ug/l	96
37) Ethyl Acetate	4.26	43	17747	9.099	ug/l #	91
38) Carbon Tetrachloride	4.15	117	51877	8.602	ug/l #	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	46810	9.234	ug/l	96
40) Benzene	4.78	78	108534	10.575	ug/l	98
41) Methacrylonitrile	4.90	41	9187	8.780	ug/l #	90
42) 1,2-Dichloroethane	5.08	62	46117	9.486	ug/l	99
43) Isopropyl Acetate	7.09	43	20694	8.743	ug/l #	97
44) Trichloroethene	5.65	130	33001	10.001	ug/l	86
45) 1,2-Dichloropropane	6.38	63	24433	9.067	ug/l	90
46) Dibromomethane	6.23	93	19279	8.881	ug/l	99
47) Bromodichloromethane	6.52	83	48877	9.037	ug/l	98
48) Methyl methacrylate	6.85	41	13754	8.129	ug/l	95
49) 1,4-Dioxane	6.84	88	3188	217.956	ug/l	91
51) 4-Methyl-2-Pentanone	8.38	43	78610	46.793	ug/l	97
52) Toluene	7.76	92	65453	9.489	ug/l	96
53) t-1,3-Dichloropropene	8.40	75	36352	8.585	ug/l	97
54) cis-1,3-Dichloropropene	7.43	75	44977	9.176	ug/l	96
55) 1,1,2-Trichloroethane	8.61	97	19292	8.829	ug/l	93
56) Ethyl methacrylate	8.74	69	22831	9.230	ug/l #	69
57) 1,3-Dichloropropane	8.98	76	33673	9.135	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.75	63	11360	44.657	ug/l	100
59) 2-Hexanone	9.61	43	53190	43.262	ug/l	98
60) Dibromochloromethane	8.84	129	30535	9.311	ug/l	97
61) 1,2-Dibromoethane	9.12	107	20370	8.521	ug/l	99
64) Tetrachloroethene	8.28	164	30016	10.156	ug/l #	85
65) Chlorobenzene	9.91	112	73394	9.730	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.04	131	32588	9.870	ug/l	95
67) Ethyl Benzene	10.01	91	141086	9.815	ug/l	96
68) m/p-Xylenes	10.24	106	94730	19.264	ug/l	80
69) o-Xylene	10.81	106	49724	9.268	ug/l	89
70) Styrene	10.88	104	77088	10.122	ug/l	94
71) Bromoform	10.87	173	16108	9.192	ug/l #	96
73) Isopropylbenzene	11.21	105	163804	9.592	ug/l	96
74) N-amyl acetate	11.44	43	31589	8.150	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.77	83	26723	8.733	ug/l	88
76) 1,2,3-Trichloropropane	11.87	75	21393	9.407	ug/l	98
77) Bromobenzene	11.57	156	33784	8.866	ug/l	98
78) n-propylbenzene	11.67	91	198651	9.687	ug/l	98
79) 2-Chlorotoluene	11.80	91	111830	9.301	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	145331	10.084	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.94	75	7797m	7.842	ug/l	
82) 4-Chlorotoluene	11.97	91	115588	9.330	ug/l	97
83) tert-Butylbenzene	12.20	119	146219	10.285	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	136656	9.519	ug/l	99
85) sec-Butylbenzene	12.37	105	193817	9.854	ug/l	97
86) p-Isopropyltoluene	12.53	119	157490	9.799	ug/l	96
87) 1,3-Dichlorobenzene	12.54	146	72269	10.084	ug/l	95
88) 1,4-Dichlorobenzene	12.63	146	67328	9.550	ug/l	94
89) n-Butylbenzene	12.90	91	173034	10.213	ug/l	94
90) Hexachloroethane	12.98	117	33846	8.249	ug/l	99
91) 1,2-Dichlorobenzene	13.00	146	68064	9.904	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.70	75	5080	8.331	ug/l	91

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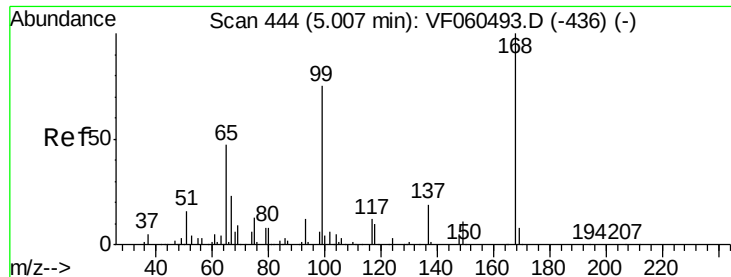
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	55165	10.731	ug/l	97
94) Hexachlorobutadiene	14.24	225	36685	10.148	ug/l	94
95) Naphthalene	14.51	128	83538	9.101	ug/l	95
96) 1,2,3-Trichlorobenzene	14.66	180	47353	9.779	ug/l	89

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.01 min

Lab File: VF060491.D

Acq: 9 Oct 2018 15:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 258155

Ion Ratio Lower Upper

168 100

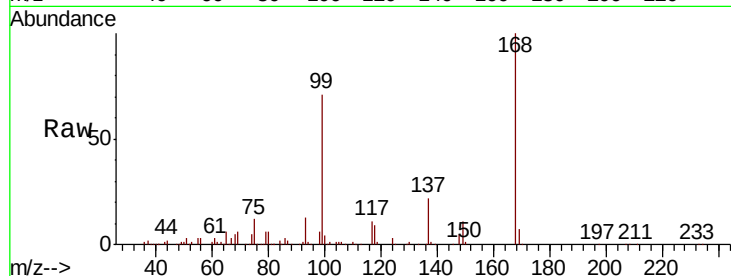
99 71.3 60.3 90.5

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

80000

60000

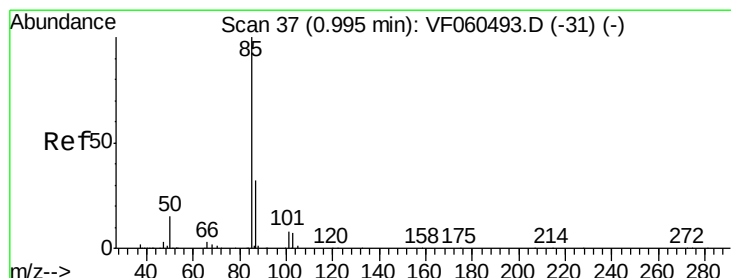
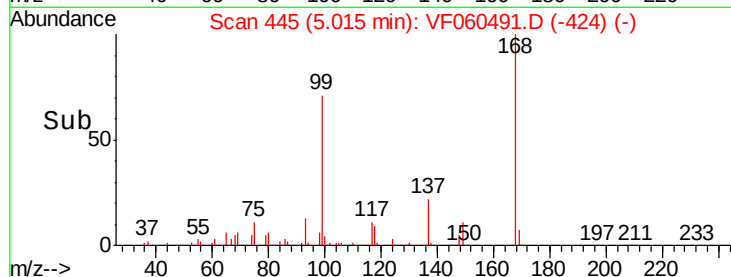
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 9.847 ug/l

RT: 0.99 min Scan# 37

Delta R.T. -0.00 min

Lab File: VF060491.D

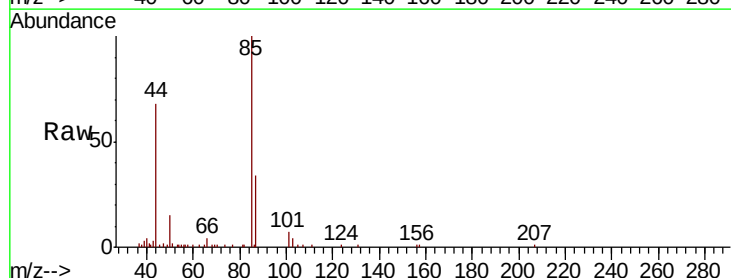
Acq: 9 Oct 2018 15:15

Tgt Ion: 85 Resp: 58059

Ion Ratio Lower Upper

85 100

87 34.3 16.2 48.5



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

20000

15000

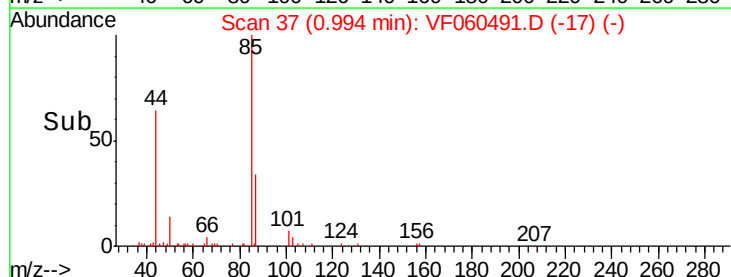
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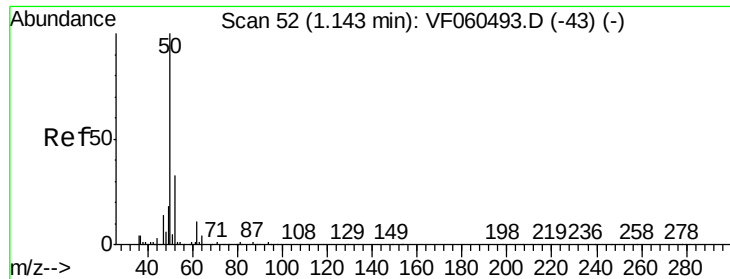
5000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 10.183 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF060491.D

Acq: 9 Oct 2018 15:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 35031

Ion Ratio Lower Upper

50 100

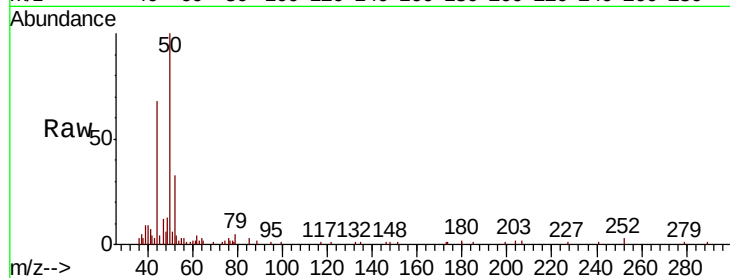
52 33.2 25.0 37.4

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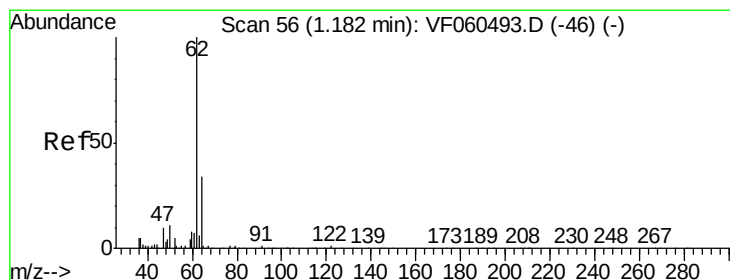
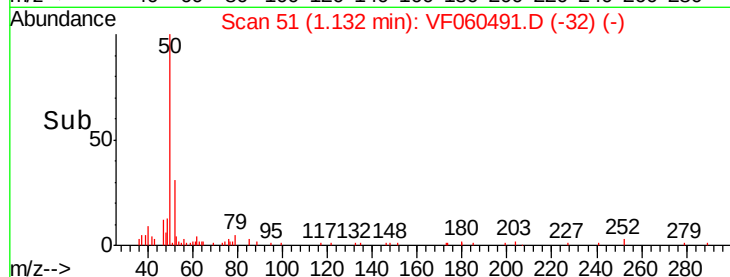
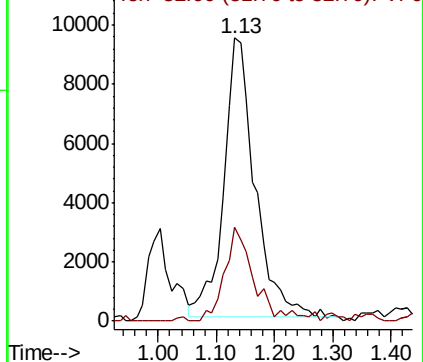
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 10.289 ug/l

RT: 1.18 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF060491.D

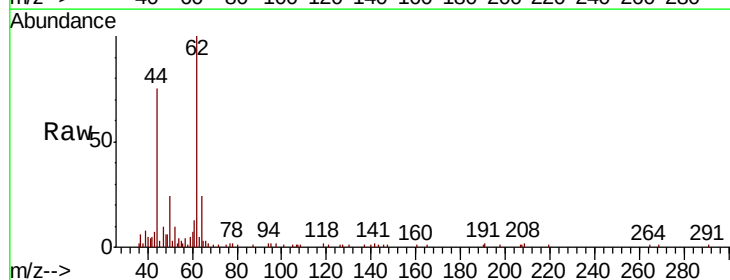
Acq: 9 Oct 2018 15:15

Tgt Ion: 62 Resp: 37041

Ion Ratio Lower Upper

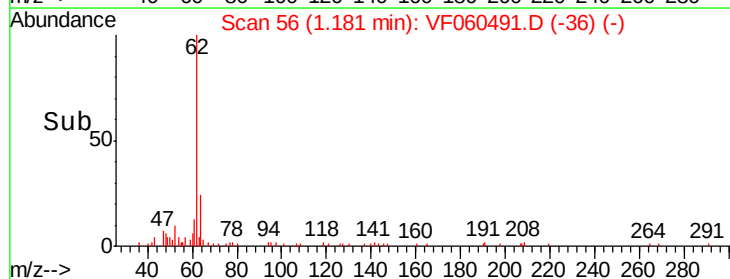
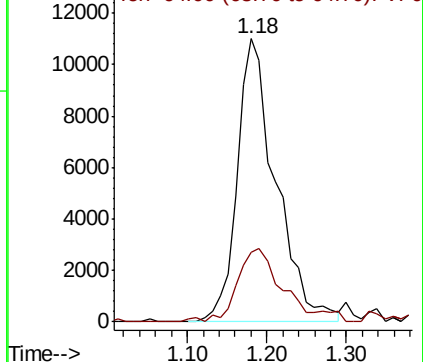
62 100

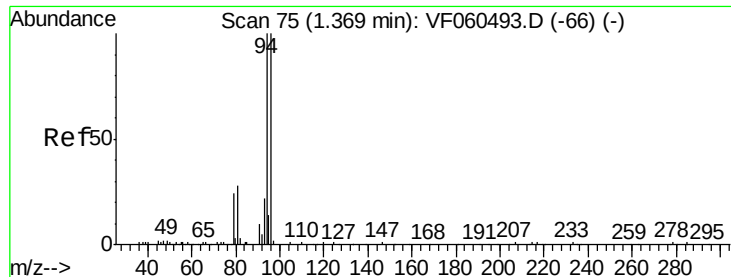
64 24.5 27.5 41.3#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 11.405 ug/l

RT: 1.36 min Scan# 74

Delta R.T. -0.01 min

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Tot Ion: 94 Resp: 31750

Ion Ratio Lower Upper

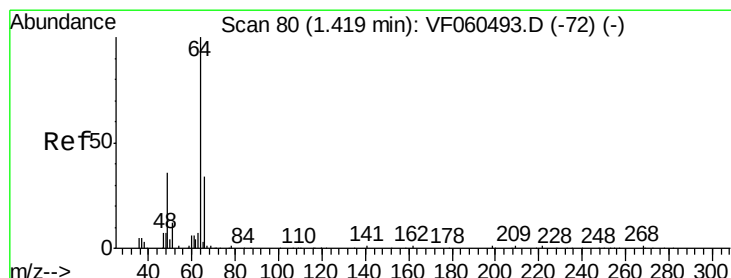
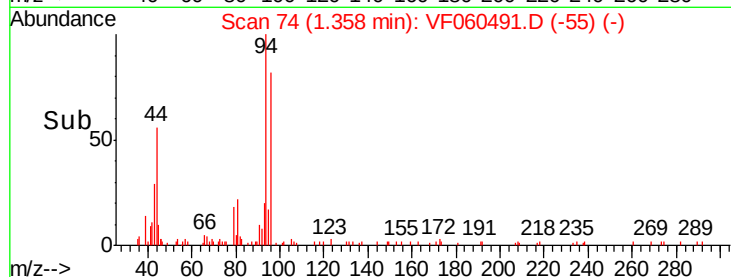
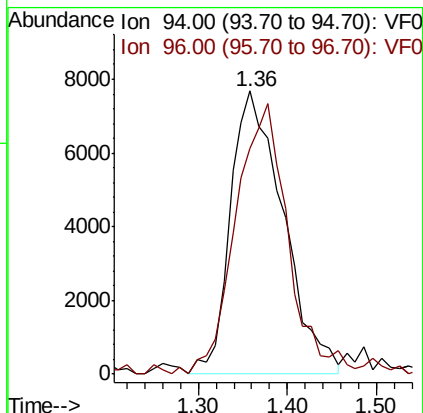
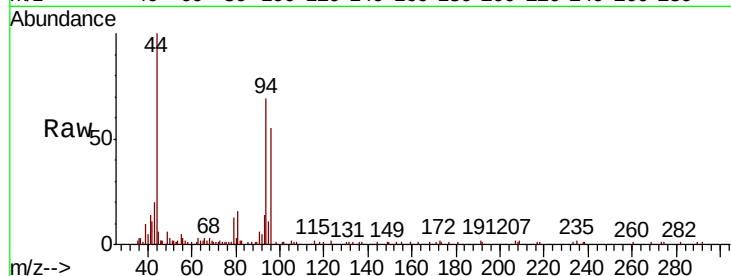
94 100

96 79.6 80.6 120.8#

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#6

Chloroethane

Concen: 10.836 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.01 min

Lab File: VF060491.D

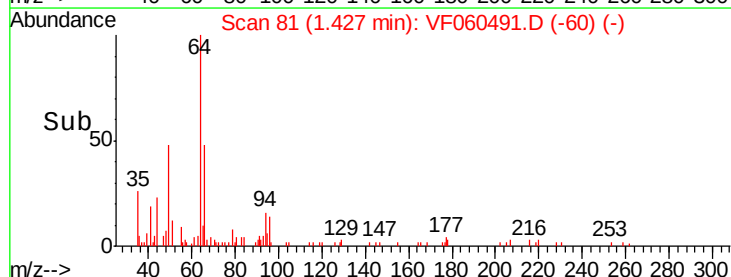
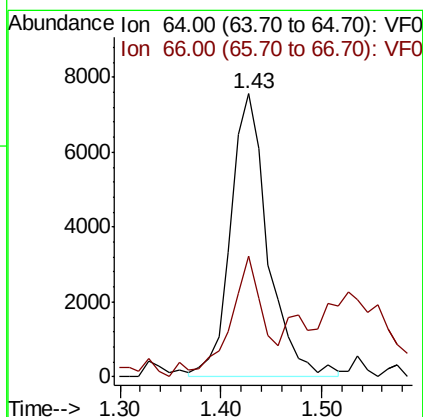
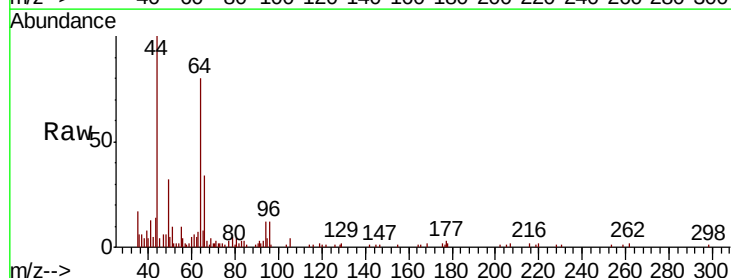
Acq: 9 Oct 2018 15:15

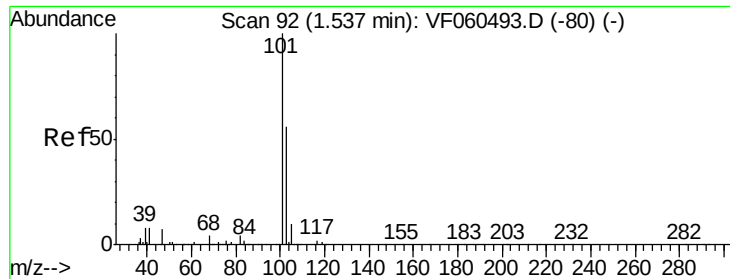
Tgt Ion: 64 Resp: 19414

Ion Ratio Lower Upper

64 100

66 42.7 27.0 40.6#





#7

Trichlorofluoromethane

Concen: 9.853 ug/l

RT: 1.54 min Scan# 92

Delta R.T. -0.00 min

Lab File: VF060491.D

Acq: 9 Oct 2018 15:15

Instrument :

MSVOA_F

ClientSampleId :

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Tot Ion:101 Resp: 81832

Ion Ratio Lower Upper

101 100

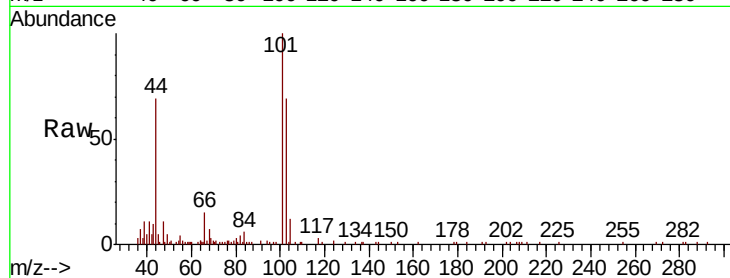
103 68.9 44.6 66.8#

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

15000

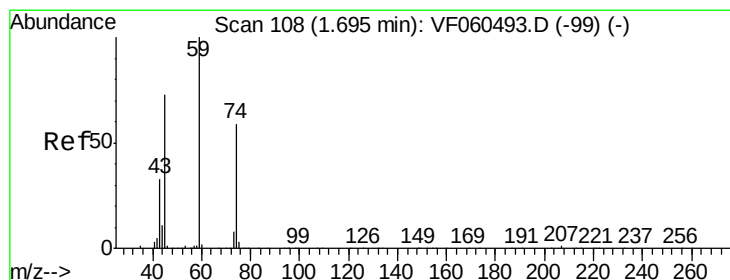
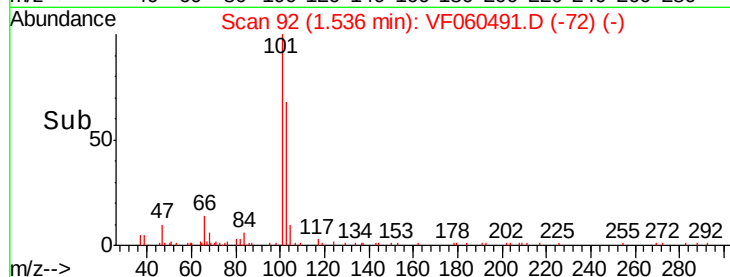
10000

5000

0

Time--> 1.30 1.40 1.50 1.60 1.70

1.54



#8

Diethyl Ether

Concen: 9.735 ug/l

RT: 1.69 min Scan# 108

Delta R.T. -0.00 min

Lab File: VF060491.D

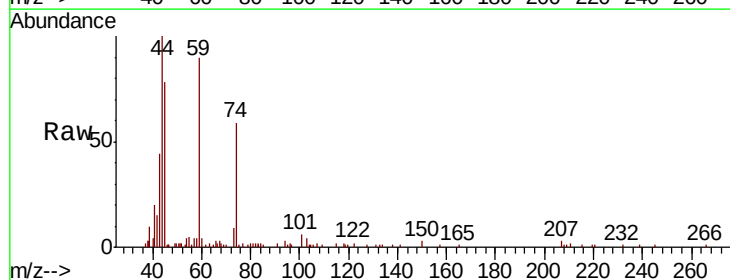
Acq: 9 Oct 2018 15:15

Tgt Ion: 74 Resp: 11322

Ion Ratio Lower Upper

74 100

45 133.4 62.7 188.1



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

10000

8000

6000

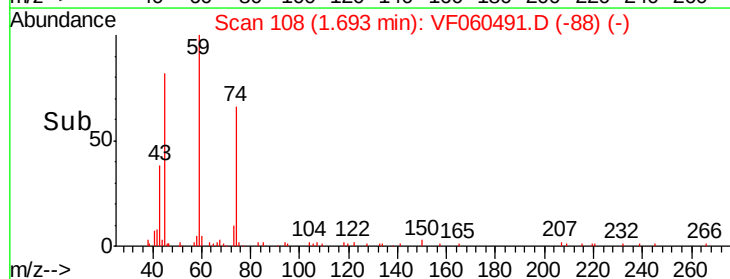
4000

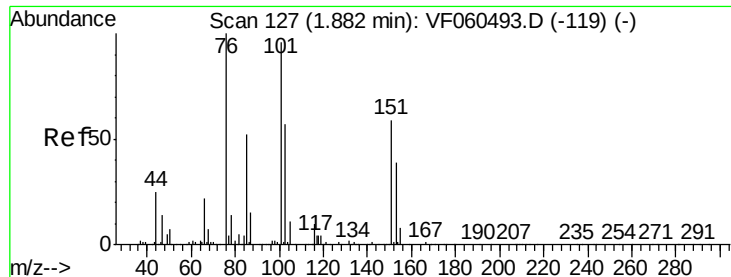
2000

0

Time--> 1.60 1.70 1.80

1.69





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.535 ug/l

RT: 1.89 min Scan# 128

Delta R.T. 0.01 min

Lab File: VF060491.D

Acq: 9 Oct 2018 15:15

Instrument :

MSVOA_F

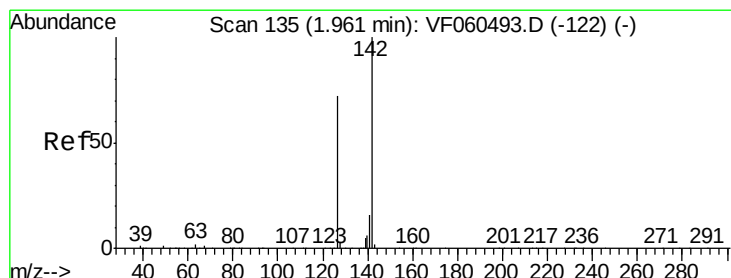
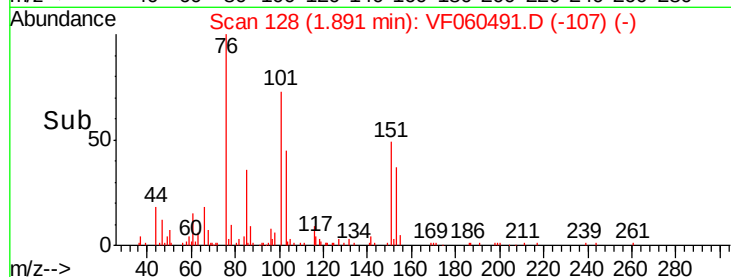
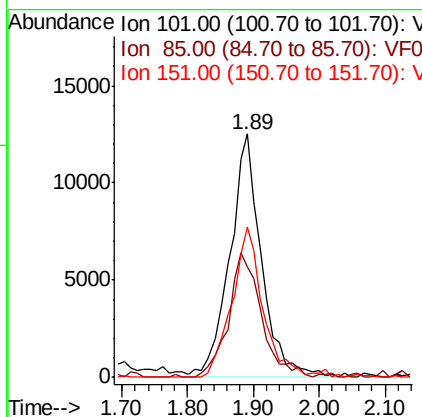
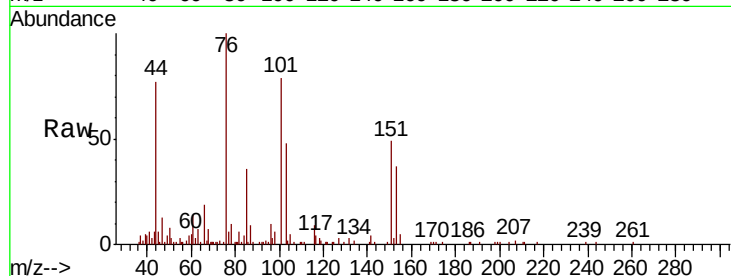
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	42295
Ion Ratio	Lower	Upper	
101	100		
85	45.3	41.8	62.6
151	61.8	47.4	71.0

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#10

Methyl Iodide

Concen: 10.139 ug/l

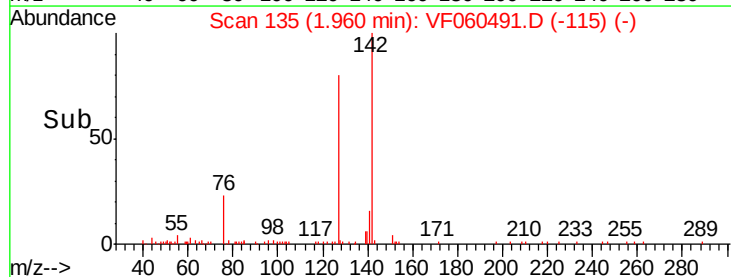
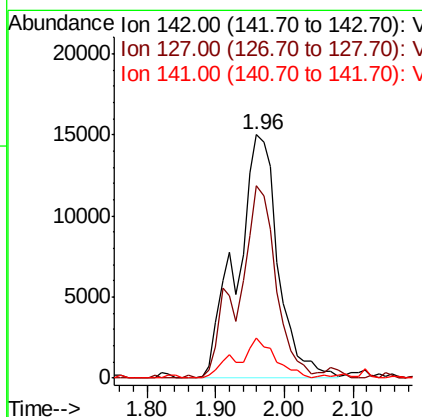
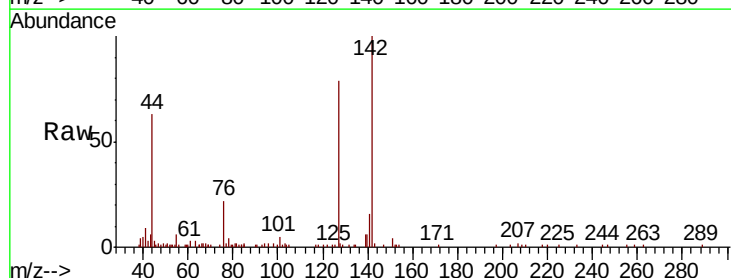
RT: 1.96 min Scan# 135

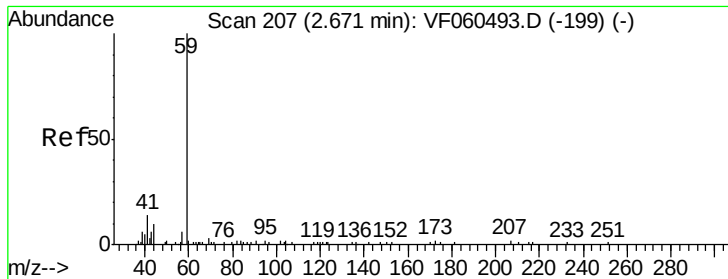
Delta R.T. -0.00 min

Lab File: VF060491.D

Acq: 9 Oct 2018 15:15

Tgt Ion:	142	Resp:	62601
Ion Ratio	Lower	Upper	
142	100		
127	79.3	57.9	86.9
141	16.3	12.7	19.1





#11

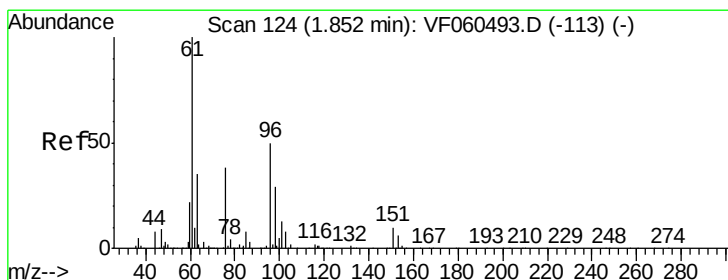
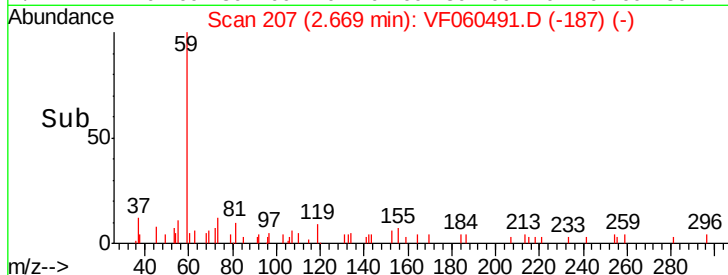
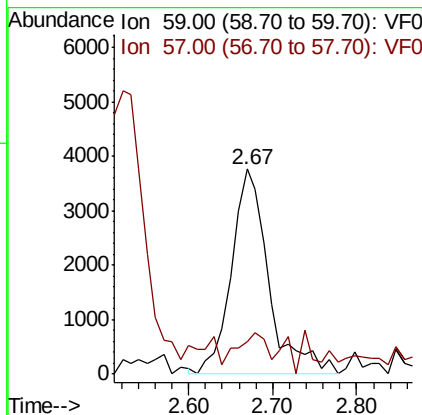
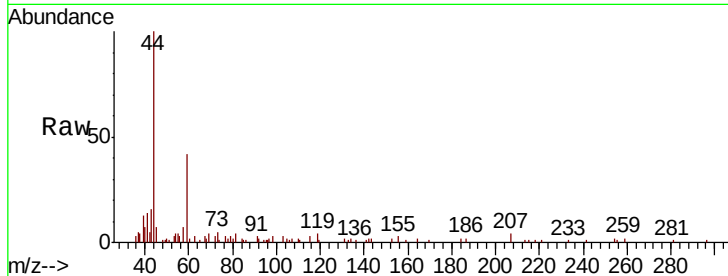
Tert butyl alcohol
 Concen: 48.816 ug/l
 RT: 2.67 min Scan# 207
 Delta R.T. -0.00 min
 Lab File: VF060491.D
 Acq: 9 Oct 2018 15:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	59	Resp	11657
Ion Ratio	100	Lower	Upper
57	16.1	10.2	15.2#

Manual Integrations
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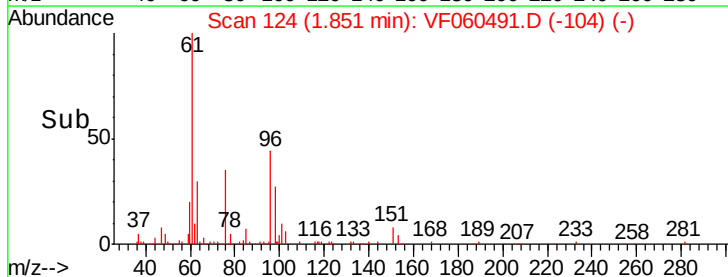
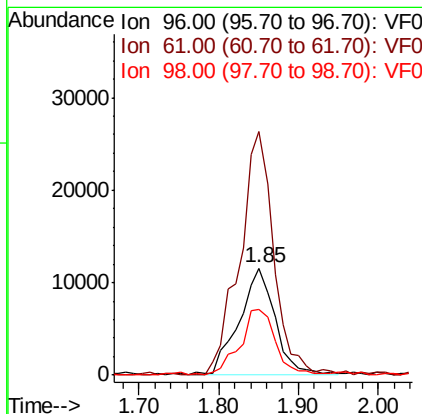
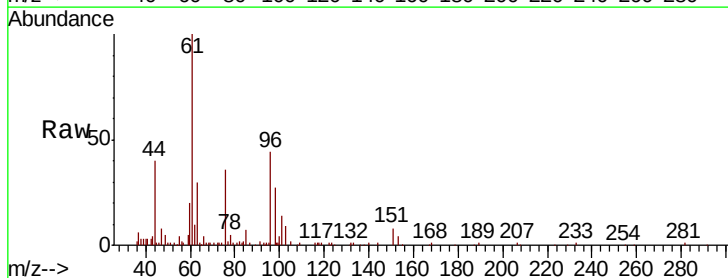
apatel
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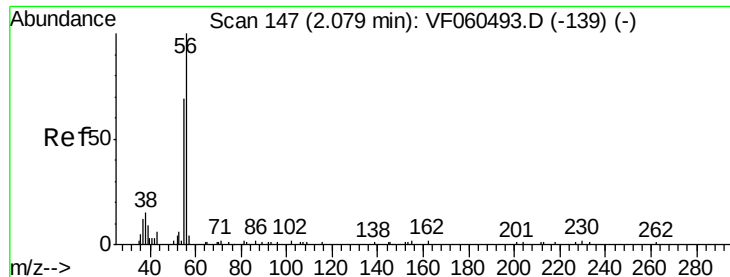


#12

1,1-Dichloroethene
 Concen: 11.513 ug/l
 RT: 1.85 min Scan# 124
 Delta R.T. -0.00 min
 Lab File: VF060491.D
 Acq: 9 Oct 2018 15:15

Tgt Ion	96	Resp	36361
Ion Ratio	100	Lower	Upper
61	227.2	161.9	242.9
98	61.5	47.4	71.2





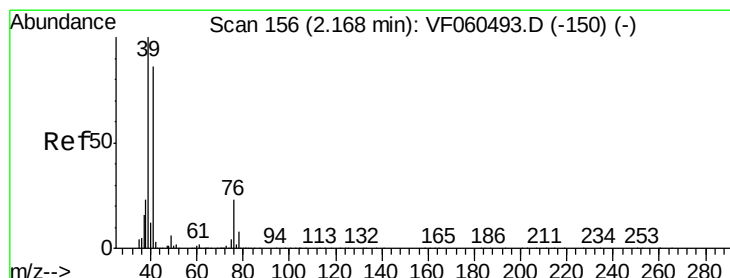
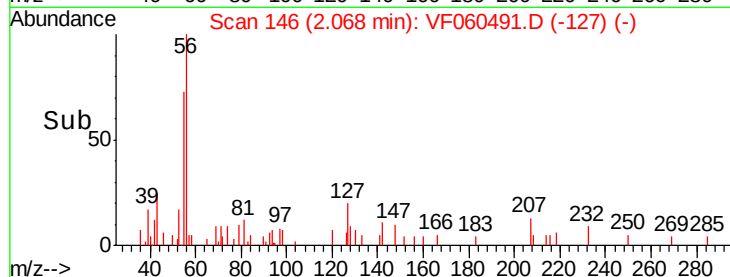
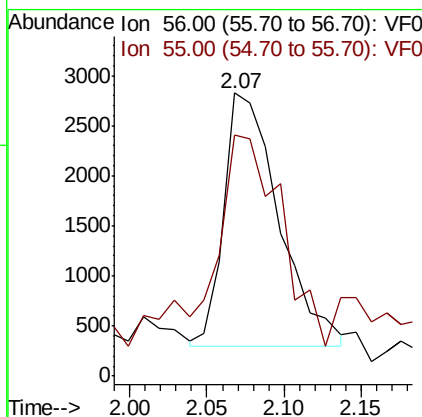
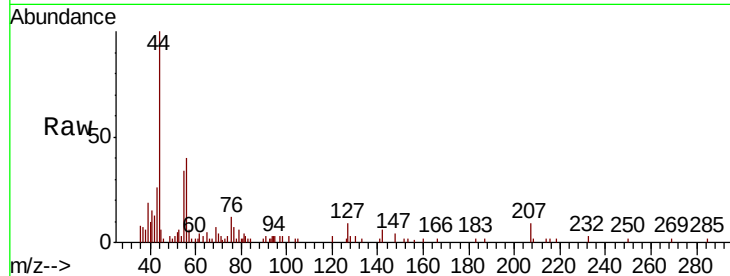
#13
Acrolein
Concen: 35.098 ug/l m
RT: 2.07 min Scan# 146
Delta R.T. -0.01 min
Lab File: VF060491.D
Acq: 9 Oct 2018 15:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
55	85.2	55.3	82.9#

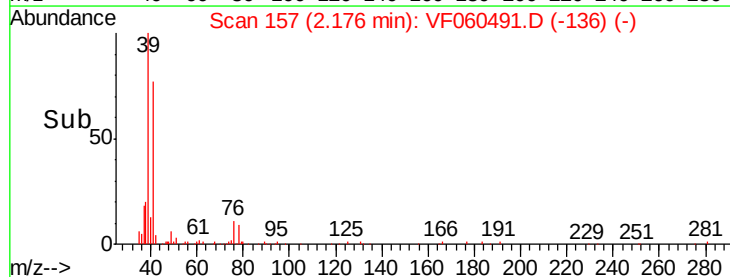
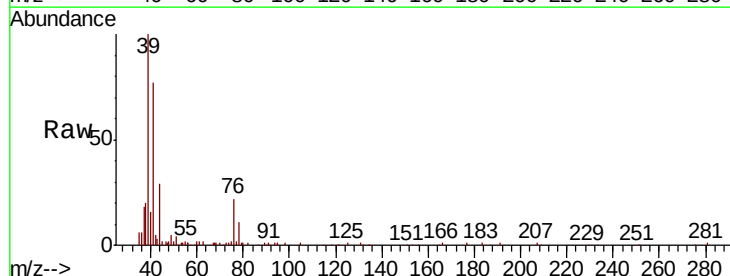
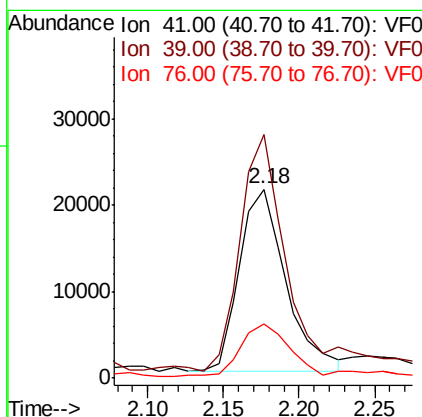
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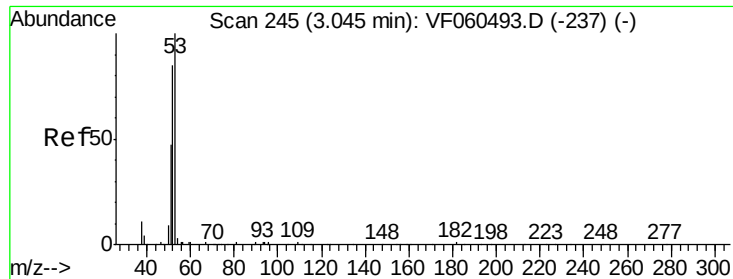
apatel
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#14
Allyl chloride
Concen: 9.195 ug/l
RT: 2.18 min Scan# 157
Delta R.T. 0.01 min
Lab File: VF060491.D
Acq: 9 Oct 2018 15:15

Tgt Ion	Ratio	Lower	Upper
41	100		
39	129.1	93.1	139.7
76	28.6	21.6	32.4





#15

Acrylonitrile

Concen: 60.341 ug/l

RT: 3.05 min Scan# 246

Delta R.T. 0.01 min

Lab File: VF060491.D

Acq: 9 Oct 2018 15:15

Instrument :

MSVOA_F

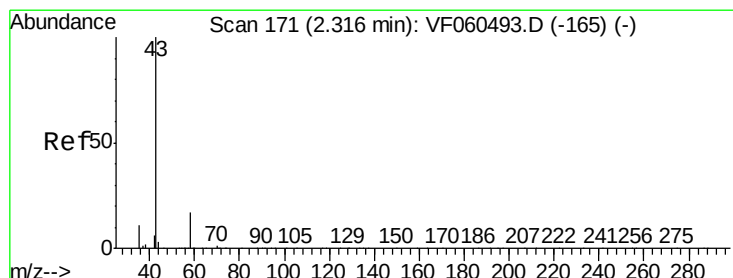
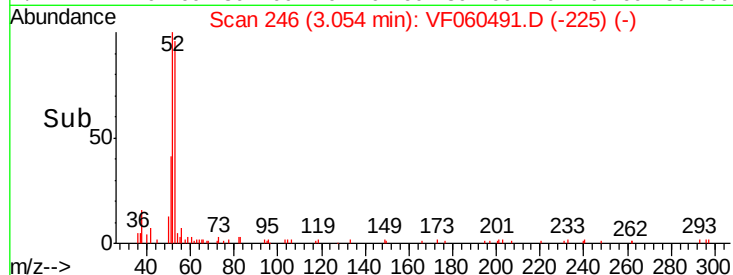
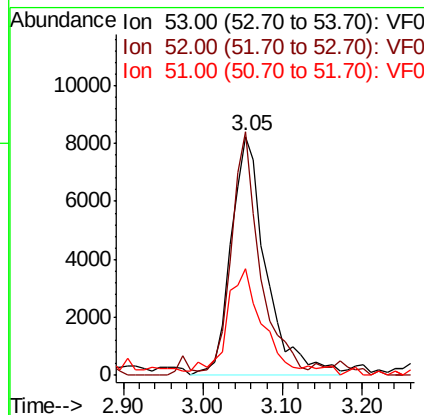
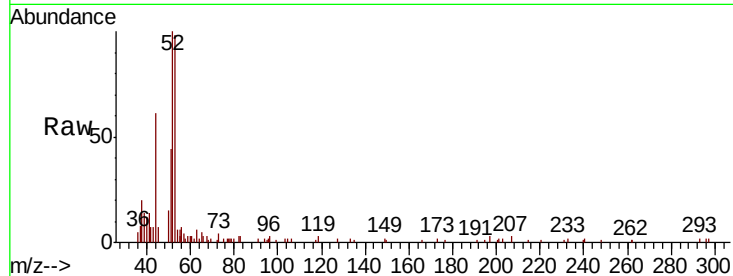
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	25303
Ion Ratio	Lower	Upper	
53	100		
52	102.0	67.5	101.3#
51	44.5	38.2	57.4

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#16

Acetone

Concen: 58.765 ug/l

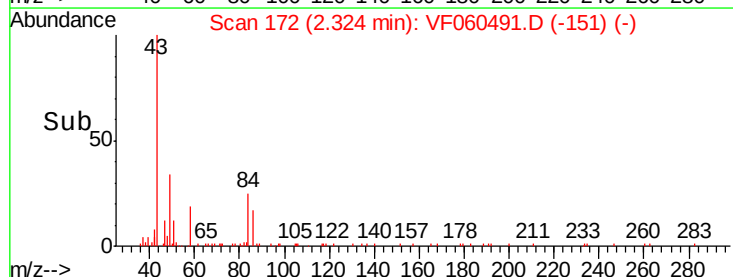
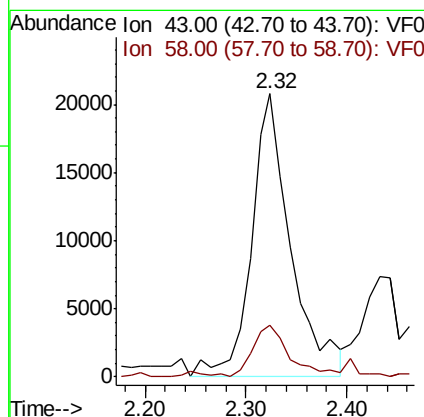
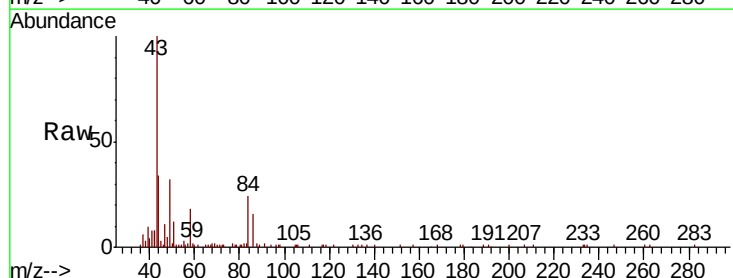
RT: 2.32 min Scan# 172

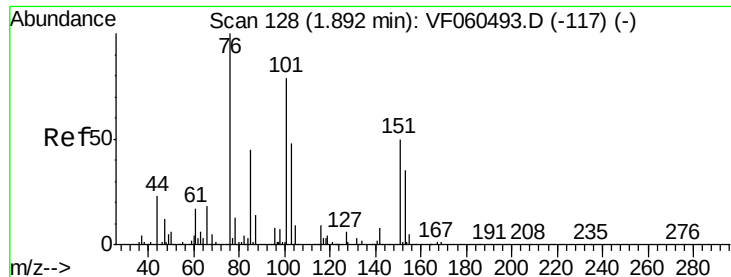
Delta R.T. 0.01 min

Lab File: VF060491.D

Acq: 9 Oct 2018 15:15

Tgt Ion:	43	Resp:	56300
Ion Ratio	Lower	Upper	
43	100		
58	18.1	13.2	19.8





#17

Carbon Disulfide

Concen: 10.270 ug/l

RT: 1.89 min Scan# 128

Delta R.T. -0.00 min

Lab File: VF060491.D

Acq: 9 Oct 2018 15:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 95959

Ion Ratio Lower Upper

76 100

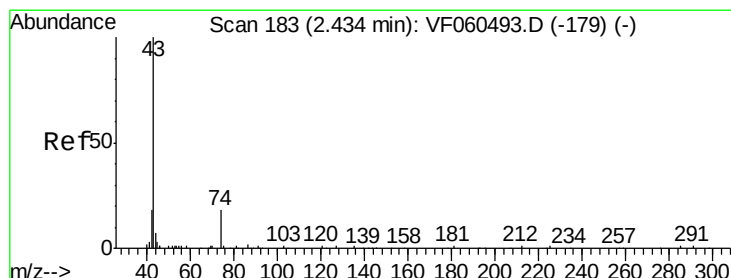
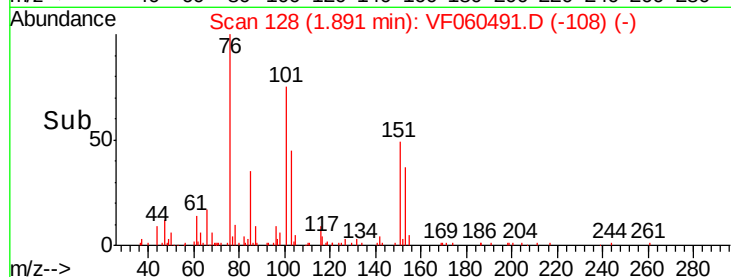
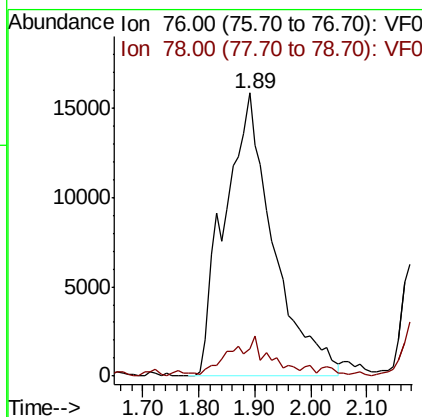
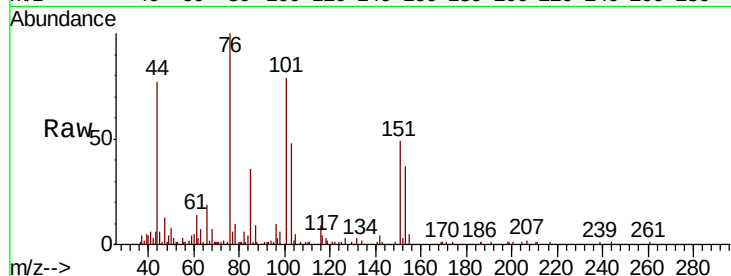
78 9.7 10.5 15.7#

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#18

Methyl Acetate

Concen: 9.814 ug/l

RT: 2.43 min Scan# 183

Delta R.T. -0.00 min

Lab File: VF060491.D

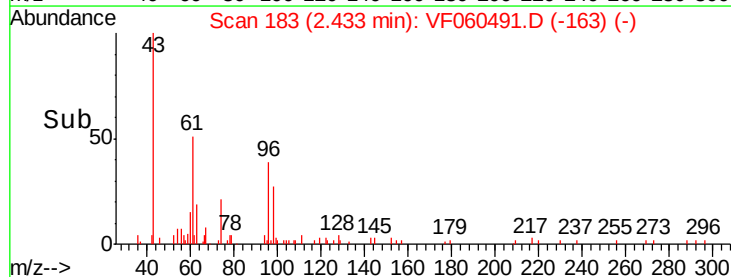
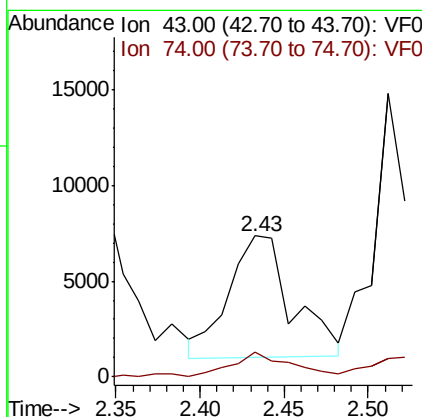
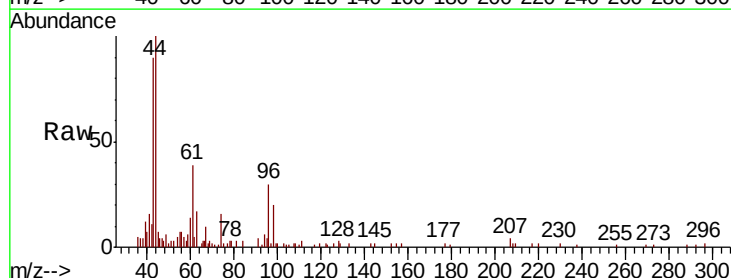
Acq: 9 Oct 2018 15:15

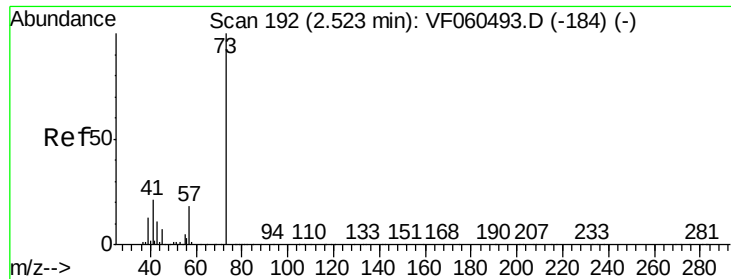
Tgt Ion: 43 Resp: 16598

Ion Ratio Lower Upper

43 100

74 17.4 12.9 19.3





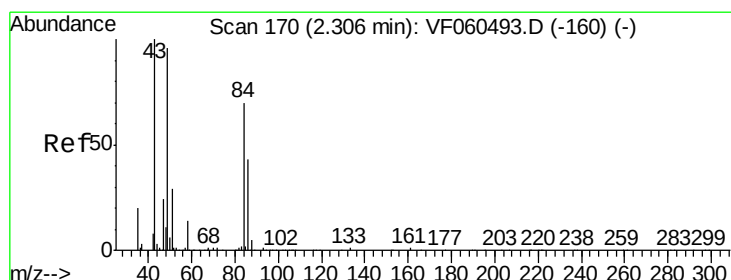
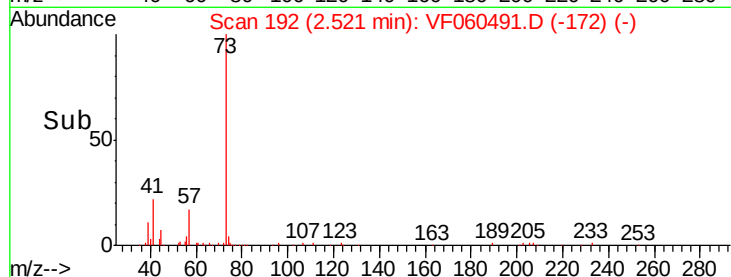
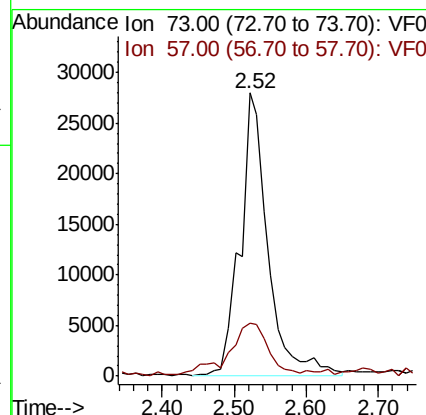
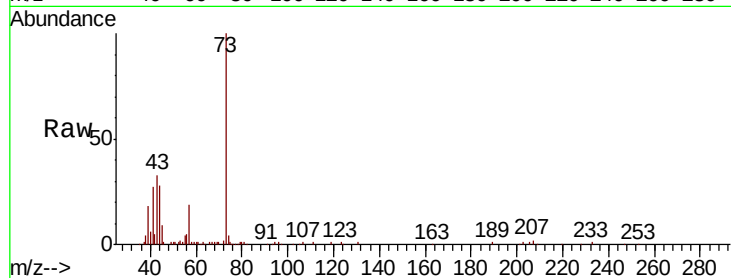
#19
Methyl tert-butyl Ether
Concen: 9.897 ug/l
RT: 2.52 min Scan# 192
Delta R.T. -0.00 min
Lab File: VF060491.D
Acq: 9 Oct 2018 15:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.6	15.0	22.6

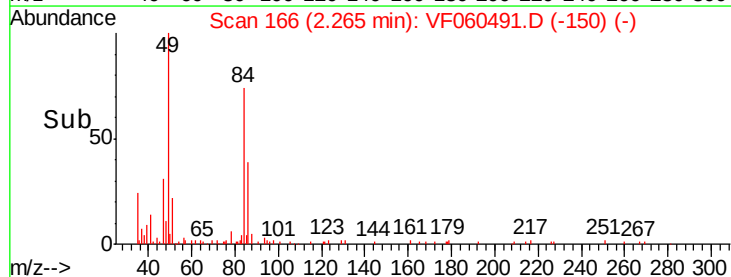
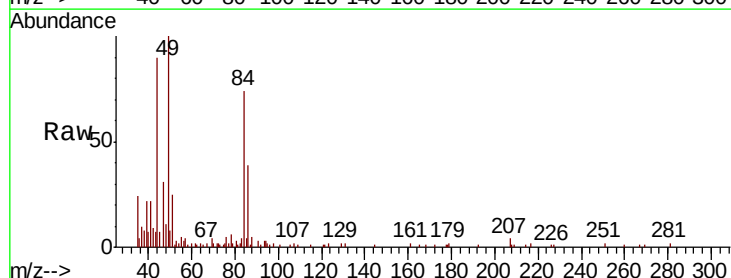
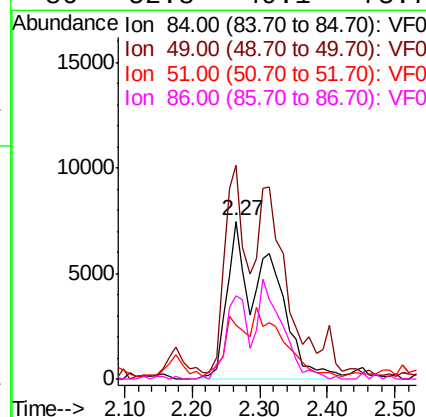
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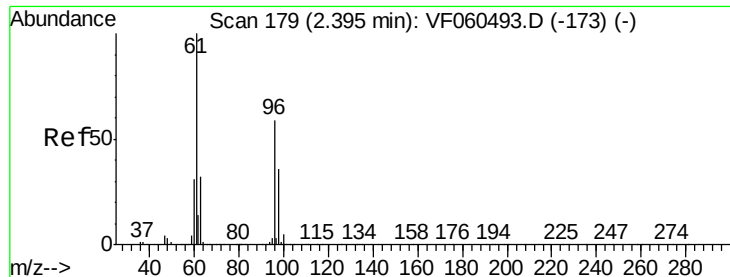
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#20
Methylene Chloride
Concen: 9.421 ug/l m
RT: 2.27 min Scan# 166
Delta R.T. -0.04 min
Lab File: VF060491.D
Acq: 9 Oct 2018 15:15

Tgt Ion	Ratio	Lower	Upper
84	100		
49	135.5	111.5	167.3
51	33.9	34.6	52.0#
86	52.8	49.1	73.7





#21

trans-1,2-Dichloroethene

Concen: 9.839 ug/l

RT: 2.39 min Scan# 179

Delta R.T. -0.00 min

Lab File: VF060491.D

Acq: 9 Oct 2018 15:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 96 Resp: 30873

Ion Ratio Lower Upper

96 100

61 199.0 136.2 204.4

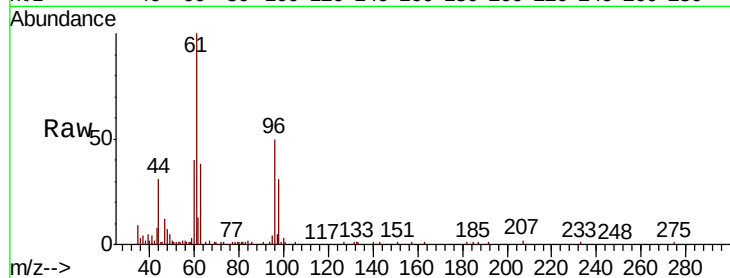
98 62.4 49.7 74.5

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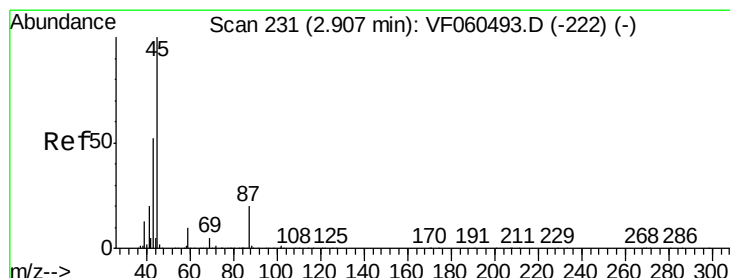
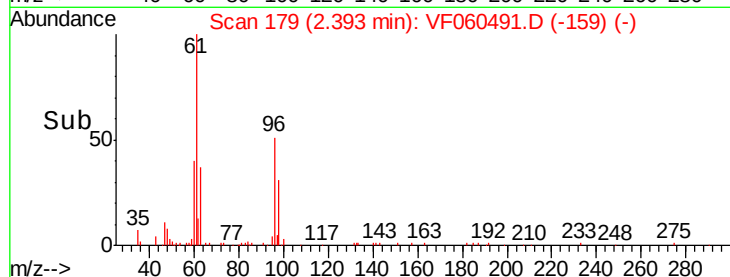
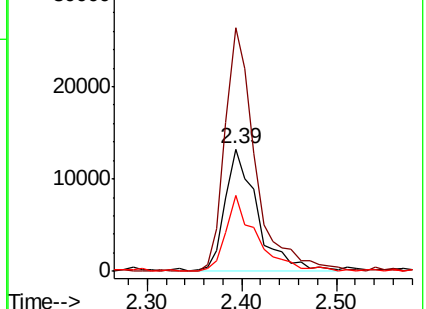
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Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 11.426 ug/l

RT: 2.91 min Scan# 231

Delta R.T. -0.00 min

Lab File: VF060491.D

Acq: 9 Oct 2018 15:15

Tgt Ion: 45 Resp: 106390

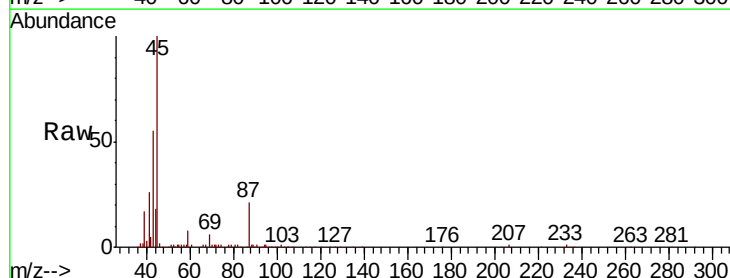
Ion Ratio Lower Upper

45 100

43 55.4 41.8 62.8

87 20.9 15.7 23.5

59 8.3 8.7 13.1#

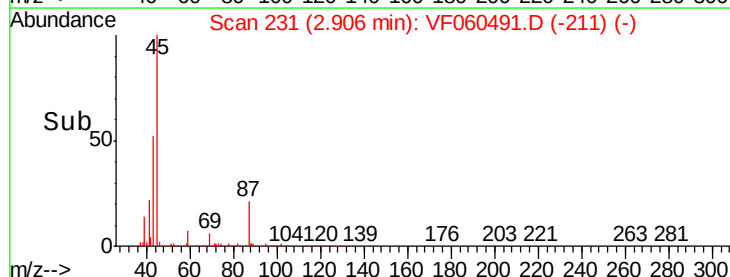
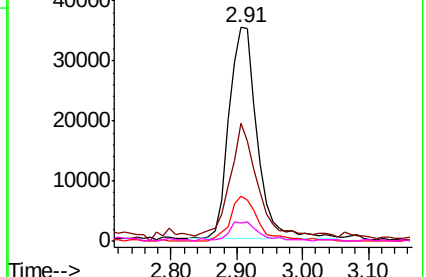


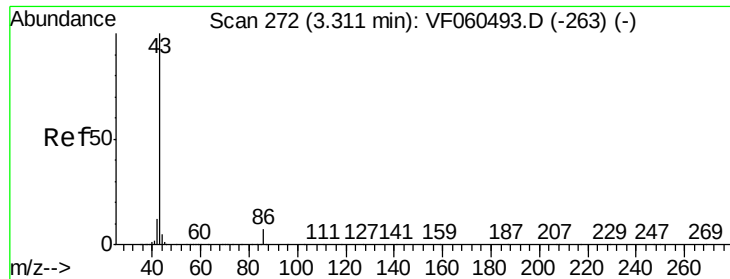
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 47.652 ug/l

RT: 3.31 min Scan# 272

Delta R.T. -0.00 min

Lab File: VF060491.D

Acq: 9 Oct 2018 15:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 171439

Ion Ratio Lower Upper

43 100

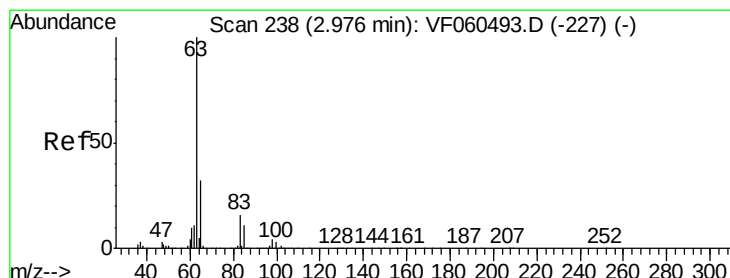
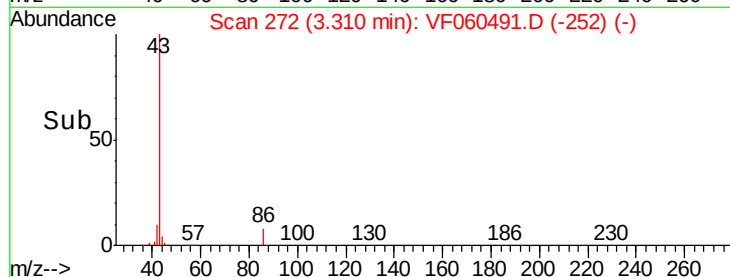
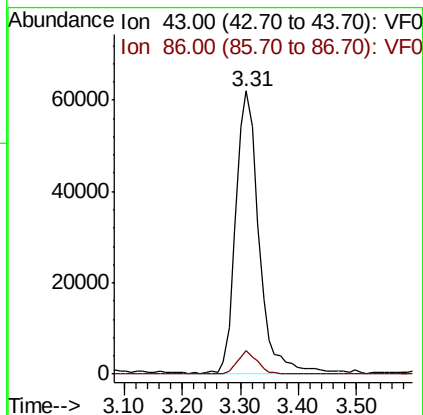
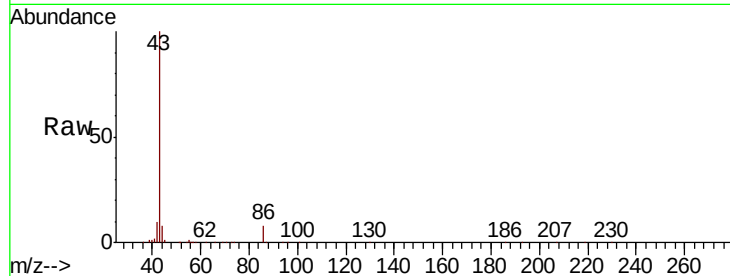
86 8.3 5.8 8.8

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#24

1,1-Dichloroethane

Concen: 11.604 ug/l

RT: 2.98 min Scan# 239

Delta R.T. 0.01 min

Lab File: VF060491.D

Acq: 9 Oct 2018 15:15

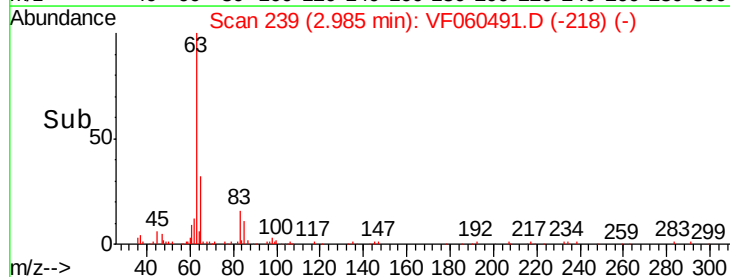
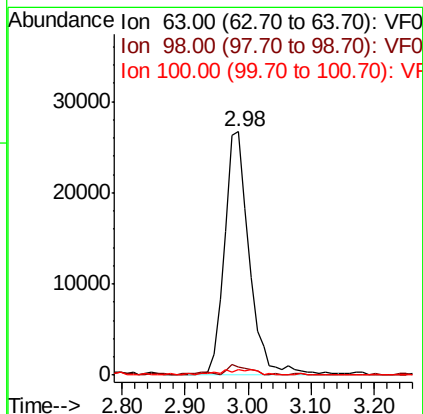
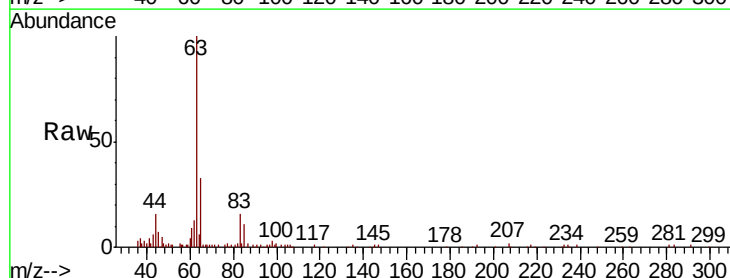
Tgt Ion: 63 Resp: 72736

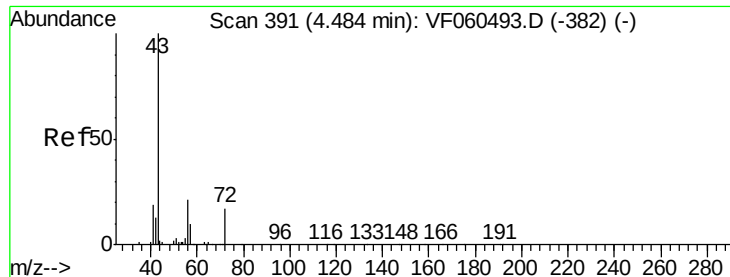
Ion Ratio Lower Upper

63 100

98 3.3 2.2 6.6

100 2.1 1.5 4.4





#25

2-Butanone

Concen: 50.268 ug/l

RT: 4.48 min Scan# 391

Delta R.T. -0.00 min

Lab File: VF060491.D

Acq: 9 Oct 2018 15:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 52063

Ion Ratio Lower Upper

43 100

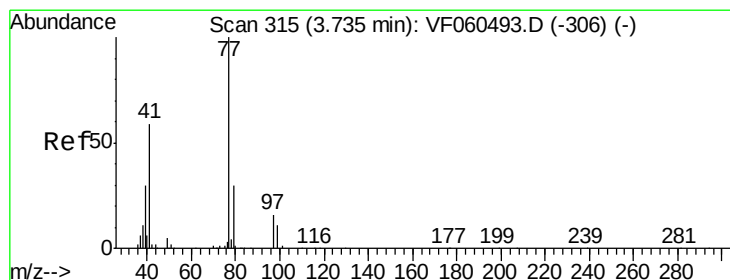
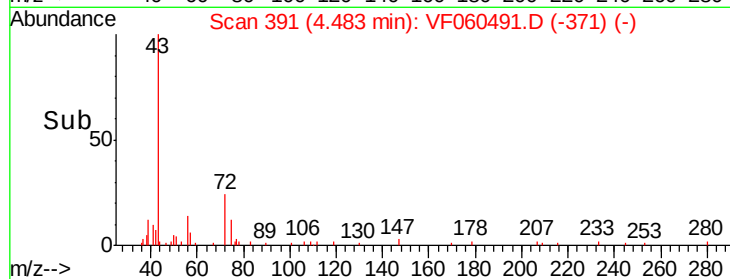
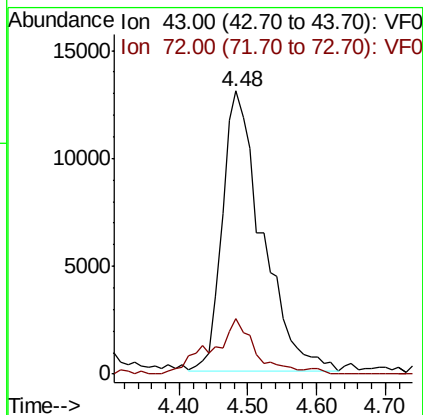
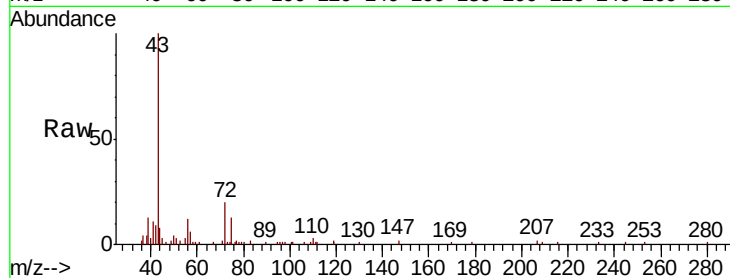
72 19.7 15.0 22.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 10.410 ug/l

RT: 3.73 min Scan# 315

Delta R.T. -0.00 min

Lab File: VF060491.D

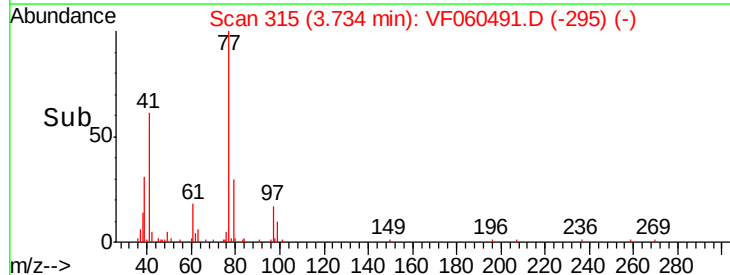
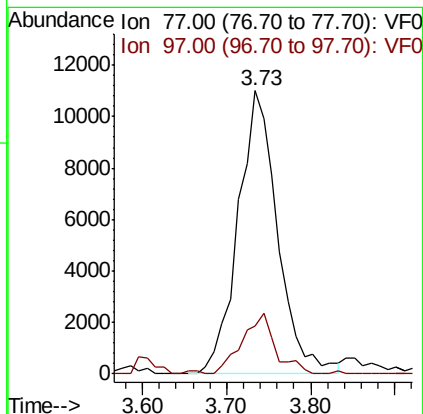
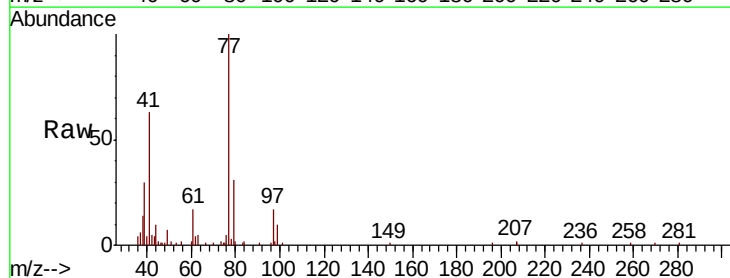
Acq: 9 Oct 2018 15:15

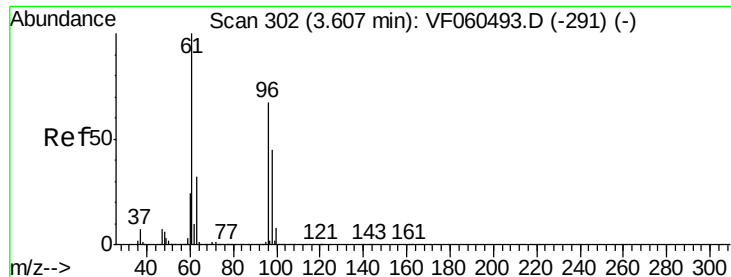
Tgt Ion: 77 Resp: 36192

Ion Ratio Lower Upper

77 100

97 16.8 8.6 25.7





#27

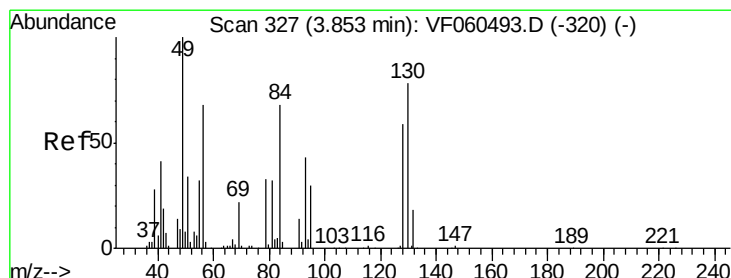
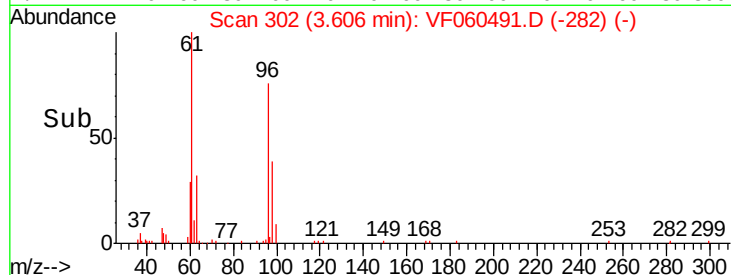
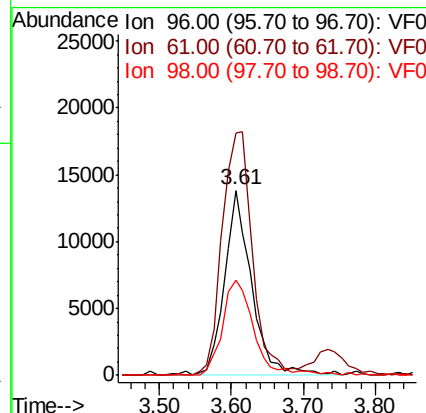
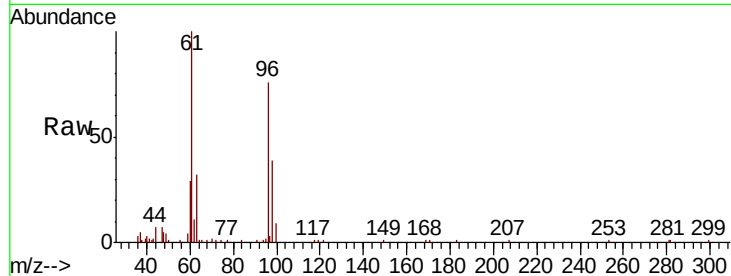
cis-1,2-Dichloroethene
Concen: 10.198 ug/l
RT: 3.61 min Scan# 302
Delta R.T. -0.00 min
Lab File: VF060491.D
Acq: 9 Oct 2018 15:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	130.8	0.0	298.0	
98	51.5	0.0	135.0	

Manual Integrations
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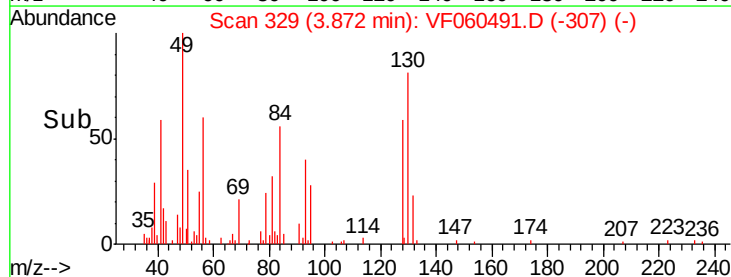
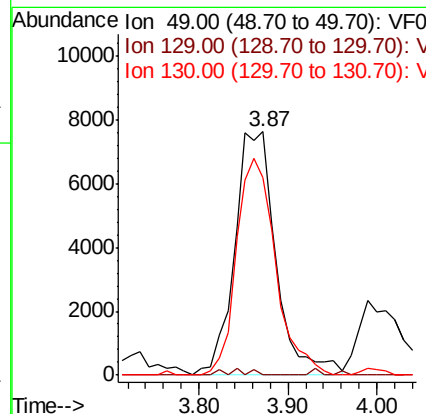
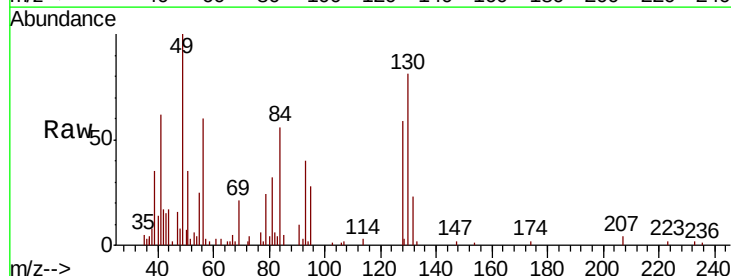
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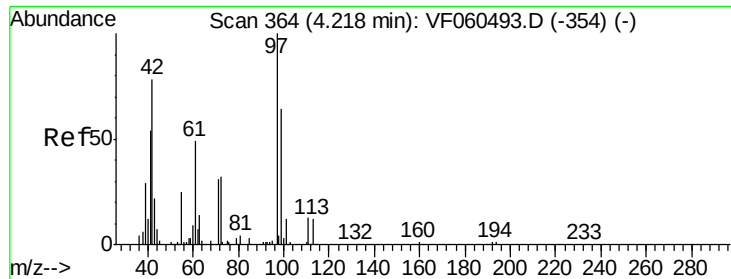


#28

Bromochloromethane
Concen: 11.117 ug/l
RT: 3.87 min Scan# 329
Delta R.T. 0.02 min
Lab File: VF060491.D
Acq: 9 Oct 2018 15:15

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.0	0.0	0.0	
130	81.1	62.2	93.2	





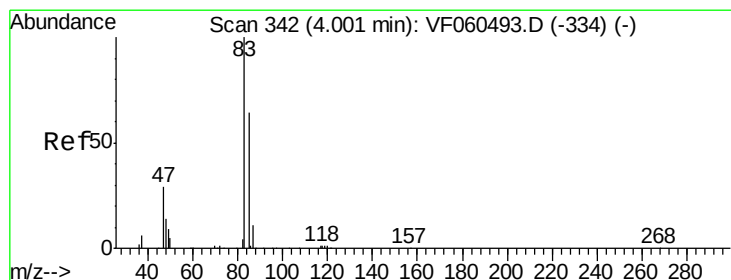
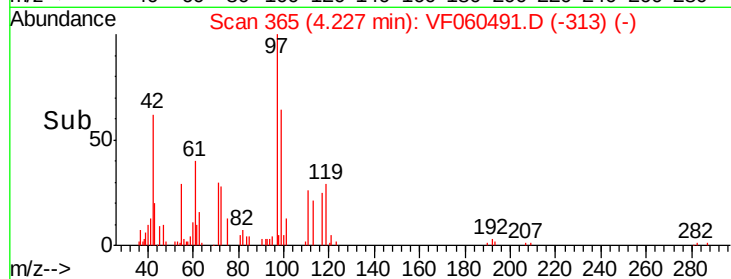
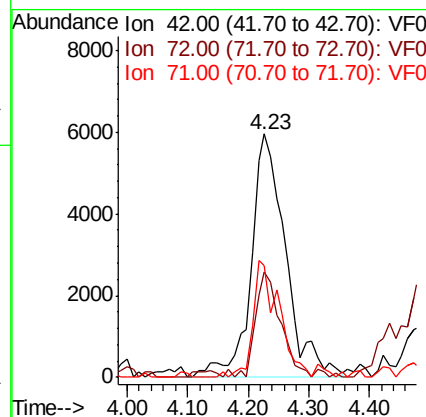
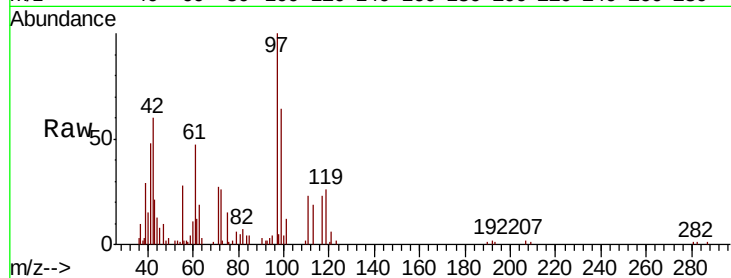
#29
Tetrahydrofuran
Concen: 56.600 ug/l
RT: 4.23 min Scan# 365
Delta R.T. 0.01 min
Lab File: VF060491.D
Acq: 9 Oct 2018 15:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	30.8	31.9	47.9#
71	36.0	33.4	50.0

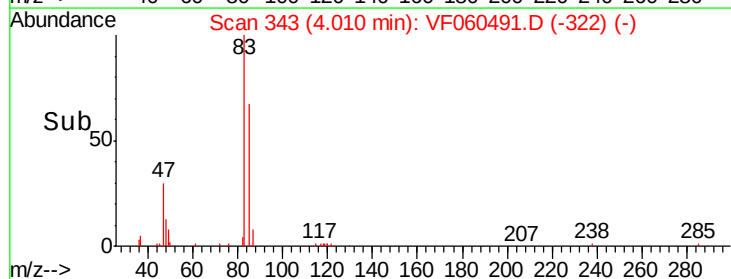
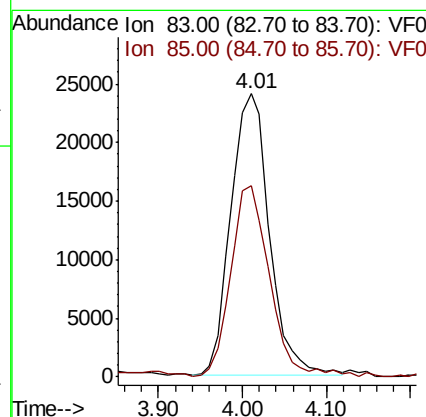
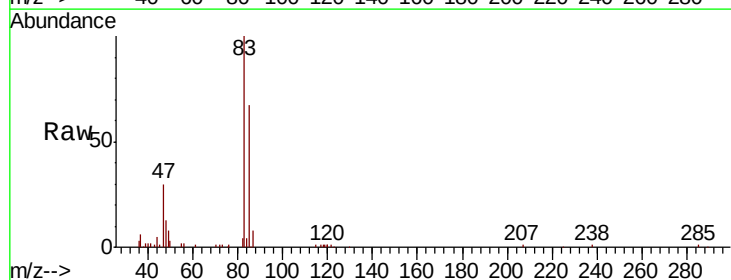
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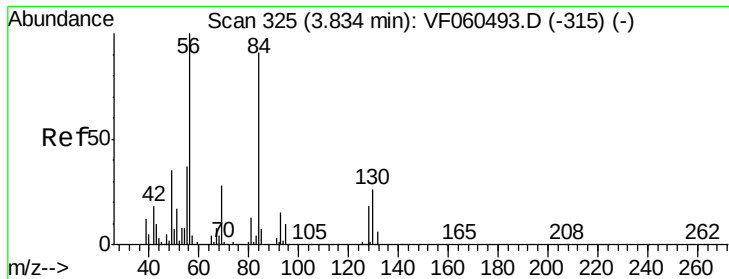
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#30
Chloroform
Concen: 10.158 ug/l
RT: 4.01 min Scan# 343
Delta R.T. 0.01 min
Lab File: VF060491.D
Acq: 9 Oct 2018 15:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.4	51.7	77.5





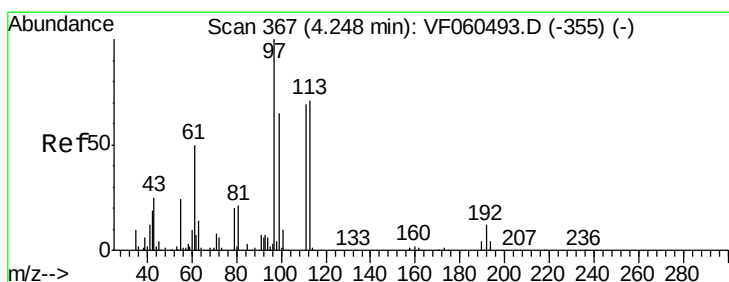
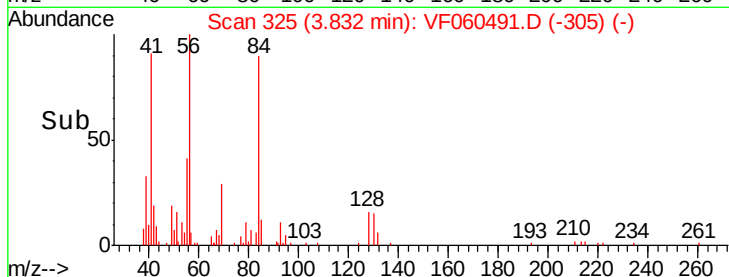
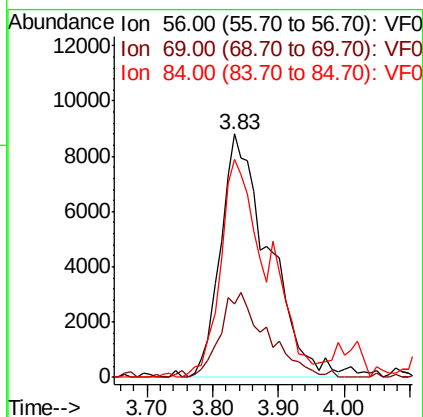
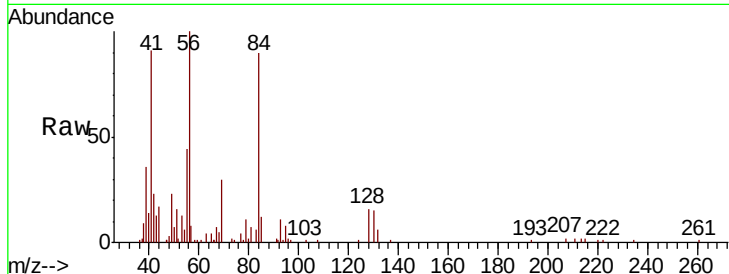
#31
Cyclohexane
Concen: 10.322 ug/l
RT: 3.83 min Scan# 325
Delta R.T. -0.00 min
Lab File: VF060491.D
Acq: 9 Oct 2018 15:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.4	22.7	34.1
84	89.6	73.1	109.7

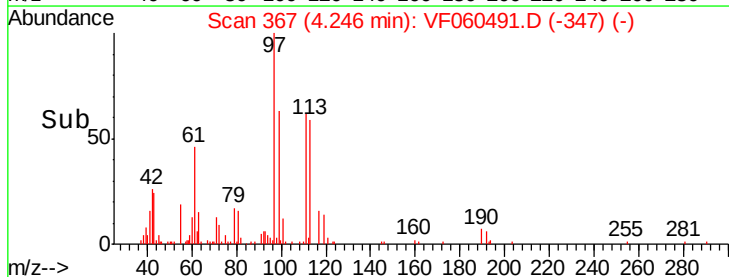
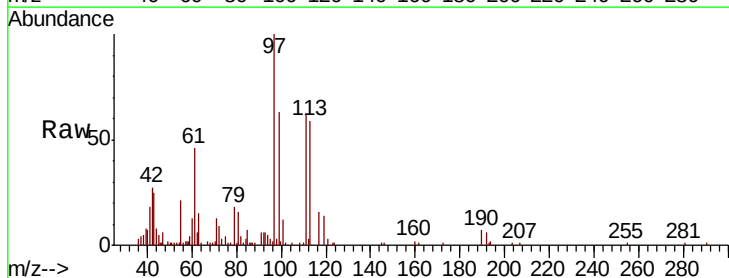
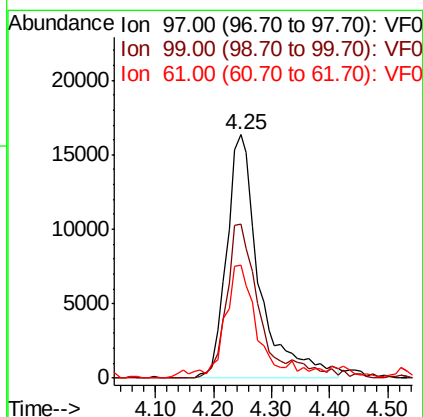
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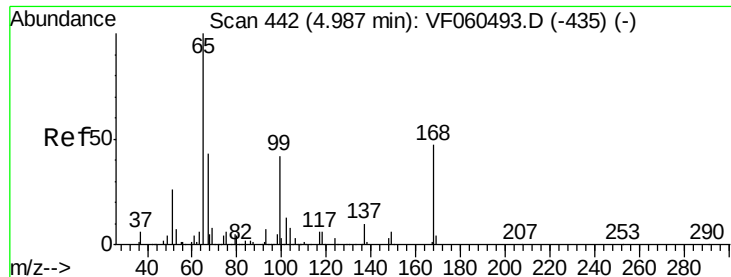
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#32
1,1,1-Trichloroethane
Concen: 10.305 ug/l
RT: 4.25 min Scan# 367
Delta R.T. -0.00 min
Lab File: VF060491.D
Acq: 9 Oct 2018 15:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.3	78.5
61	46.4	39.8	59.8





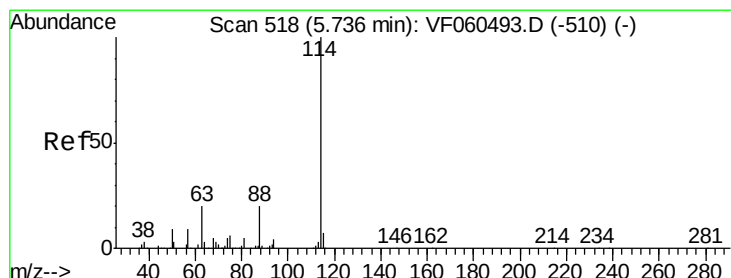
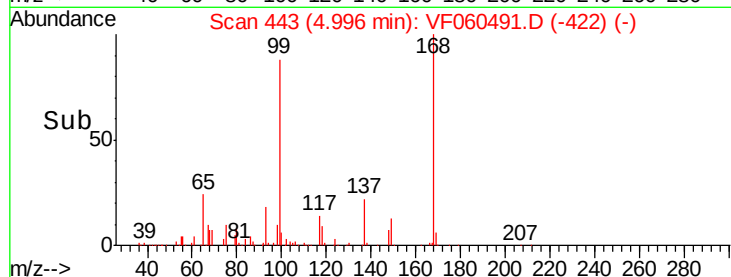
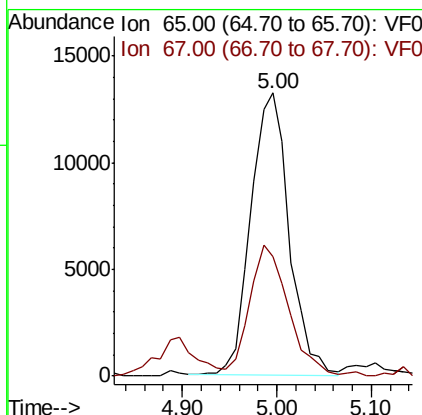
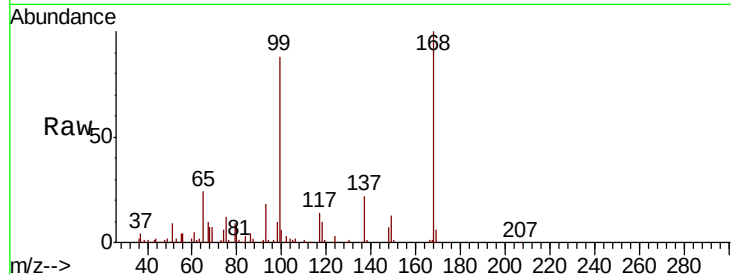
#33
 1,2-Dichloroethane-d4
 Concen: 9.235 ug/l
 RT: 5.00 min Scan# 443
 Delta R.T. 0.01 min
 Lab File: VF060491.D
 Acq: 9 Oct 2018 15:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
65	100		
67	42.3	0.0	94.6

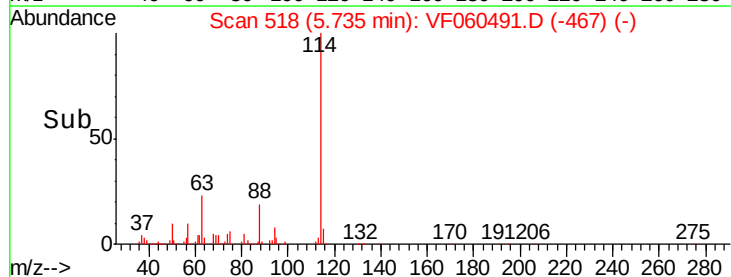
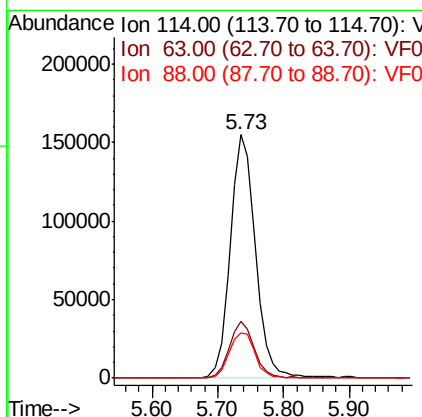
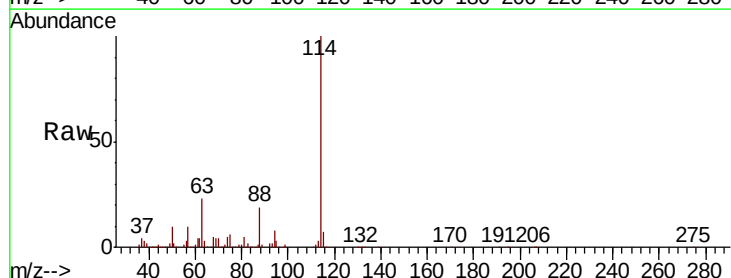
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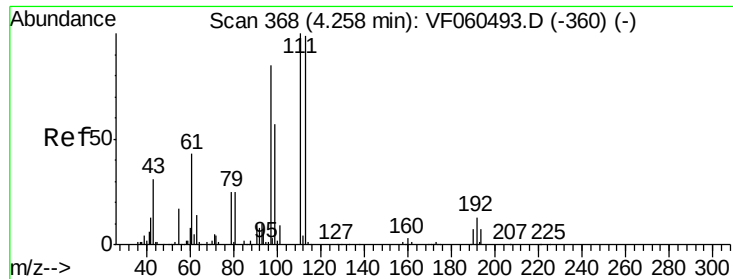
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.73 min Scan# 518
 Delta R.T. -0.00 min
 Lab File: VF060491.D
 Acq: 9 Oct 2018 15:15

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	40.2
88	18.7	0.0	40.2





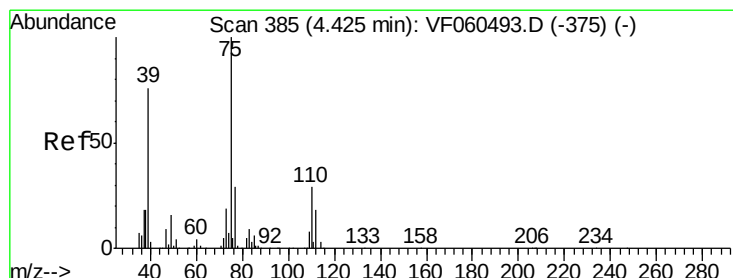
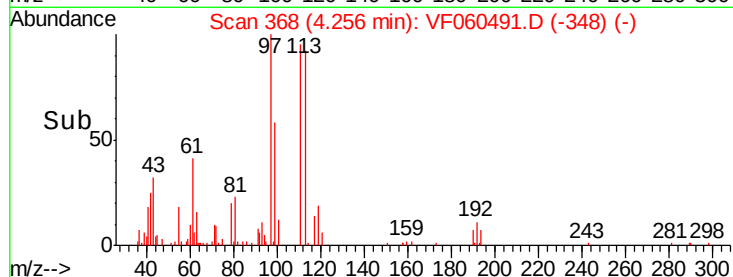
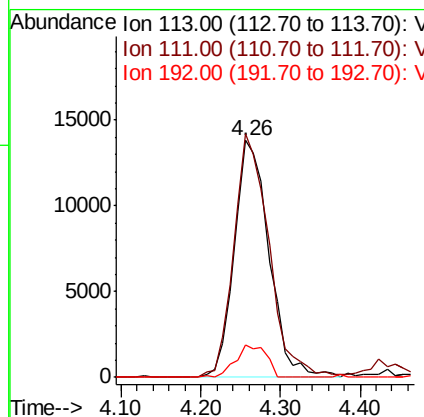
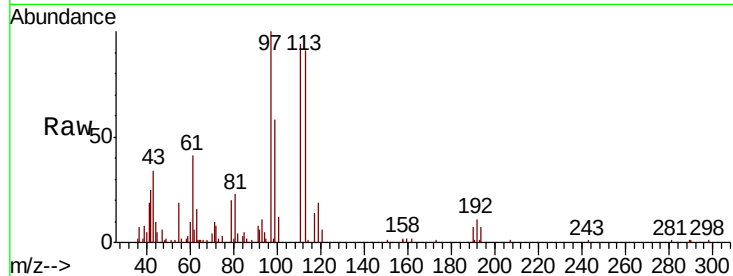
#35
 Dibromofluoromethane
 Concen: 10.749 ug/l
 RT: 4.26 min Scan# 368
 Delta R.T. -0.00 min
 Lab File: VF060491.D
 Acq: 9 Oct 2018 15:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.0	121.6
192	13.8	10.7	16.1

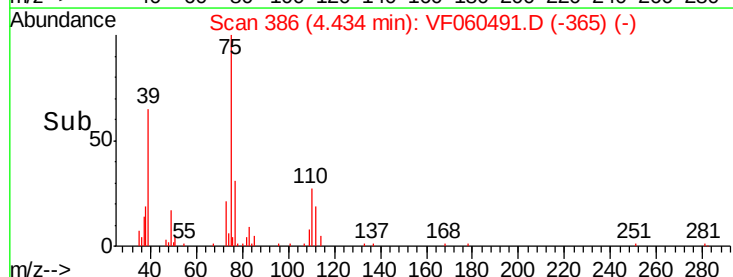
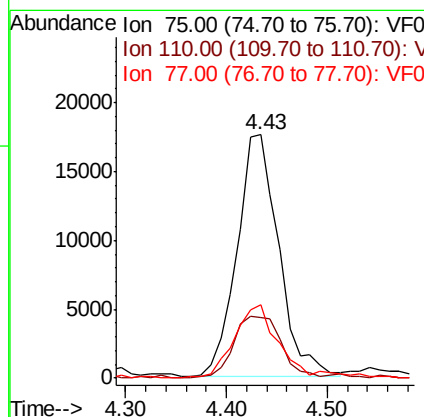
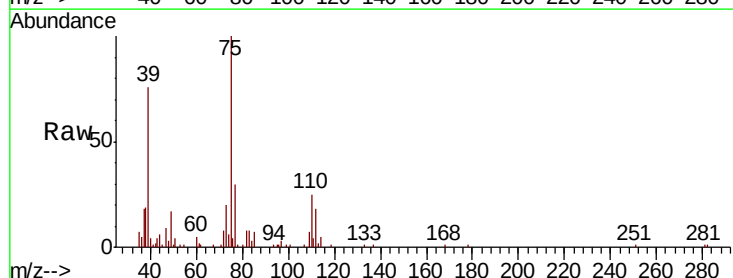
Manual Integrations
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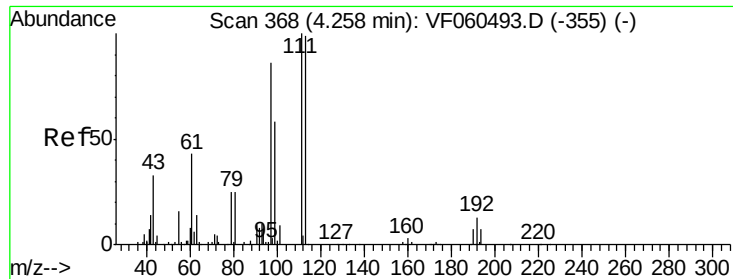
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#36
 1,1-Dichloropropene
 Concen: 9.961 ug/l
 RT: 4.43 min Scan# 386
 Delta R.T. 0.01 min
 Lab File: VF060491.D
 Acq: 9 Oct 2018 15:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	24.9	14.4	43.2
77	30.1	23.5	35.3





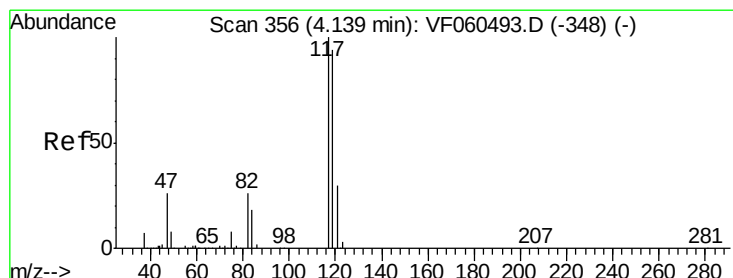
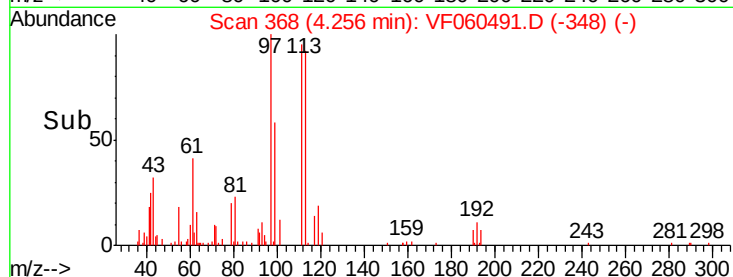
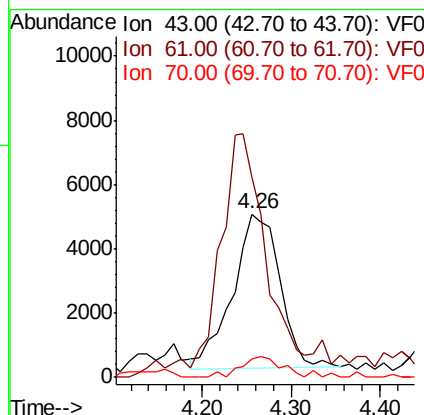
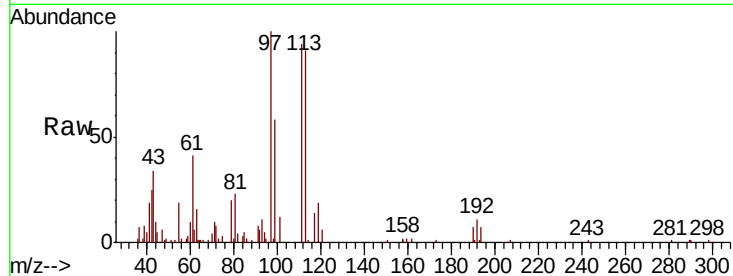
#37
Ethyl Acetate
Concen: 9.099 ug/l
RT: 4.26 min Scan# 368
Delta R.T. -0.00 min
Lab File: VF060491.D
Acq: 9 Oct 2018 15:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	43	61	70
Resp	17747	122.6	11.3
Ratio	100	106.5	6.5
Lower		159.7	9.7#
Upper			

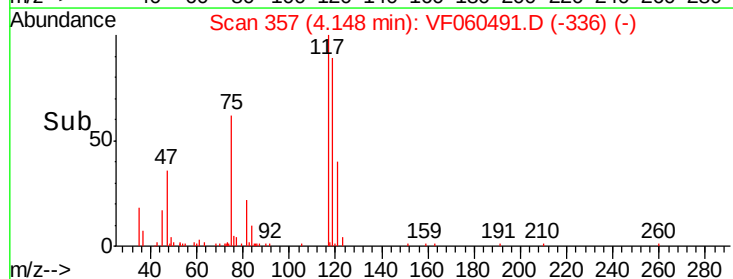
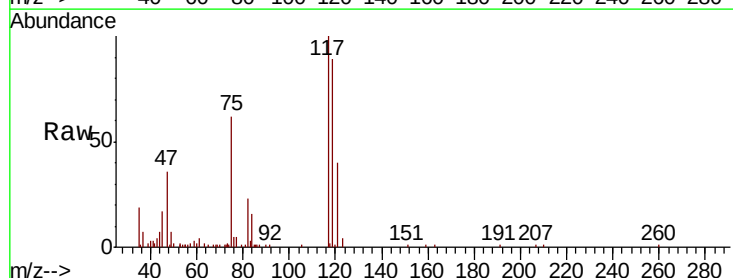
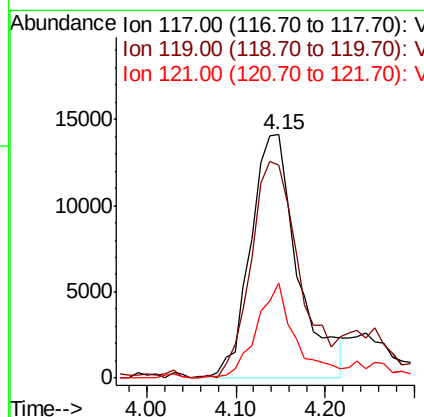
Manual Integrations
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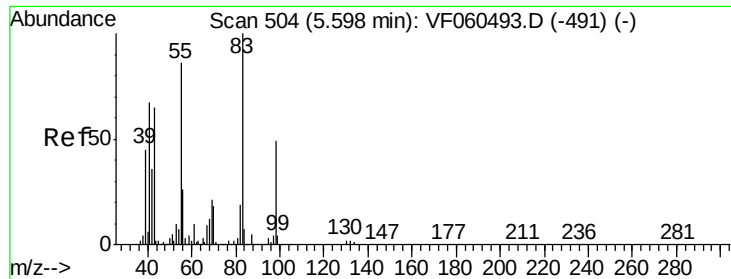
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#38
Carbon Tetrachloride
Concen: 8.602 ug/l
RT: 4.15 min Scan# 357
Delta R.T. 0.01 min
Lab File: VF060491.D
Acq: 9 Oct 2018 15:15

Tgt Ion	117	119	121
Resp	51877	87.2	38.9
Ratio	100	75.0	23.8
Lower		112.4	35.6#
Upper			





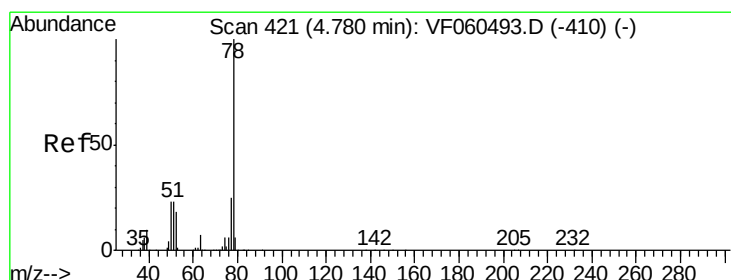
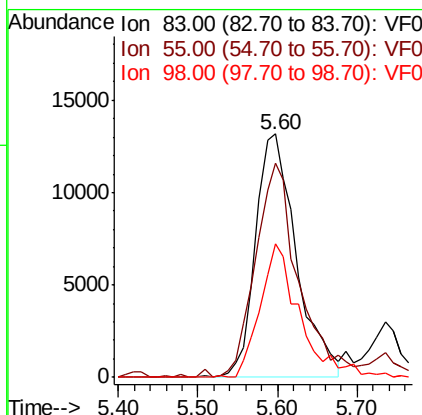
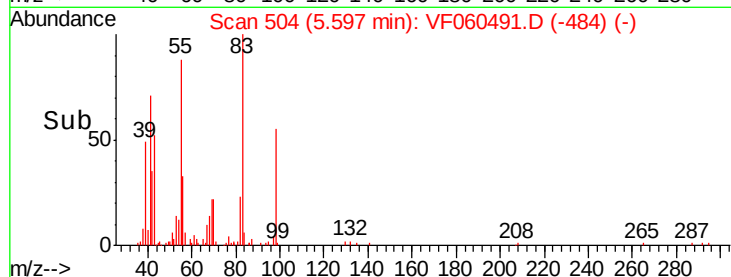
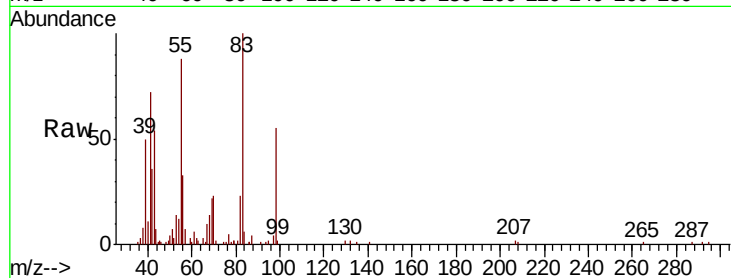
#39
Methylcyclohexane
Concen: 9.234 ug/l
RT: 5.60 min Scan# 504
Delta R.T. -0.00 min
Lab File: VF060491.D
Acq: 9 Oct 2018 15:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.8	69.2	103.8
98	54.8	39.6	59.4

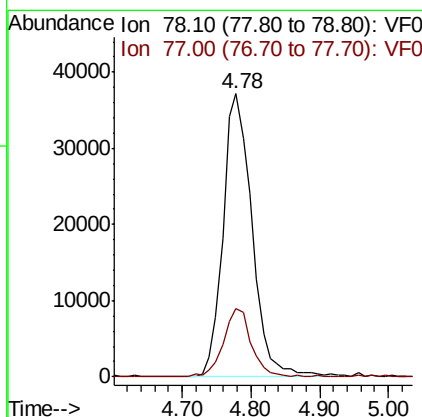
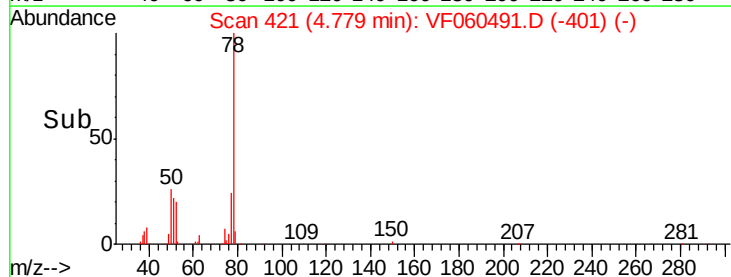
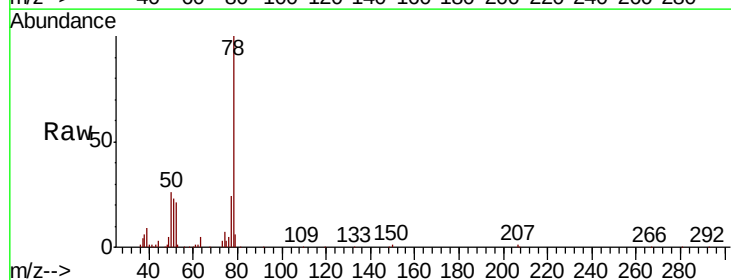
Manual Integrations
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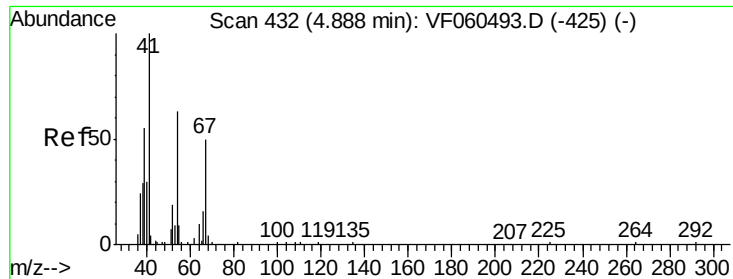
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#40
Benzene
Concen: 10.575 ug/l
RT: 4.78 min Scan# 421
Delta R.T. -0.00 min
Lab File: VF060491.D
Acq: 9 Oct 2018 15:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.8	29.8





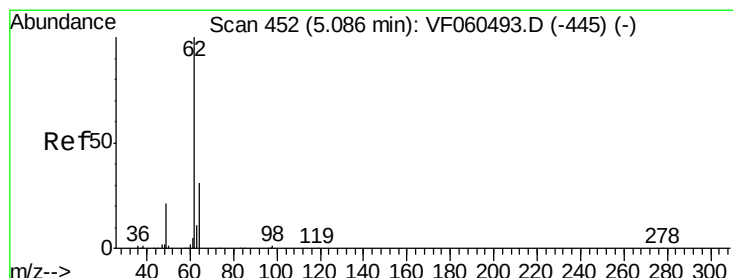
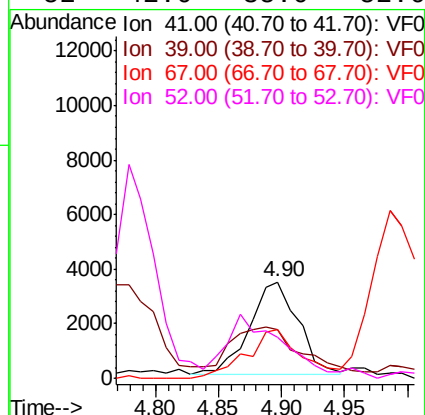
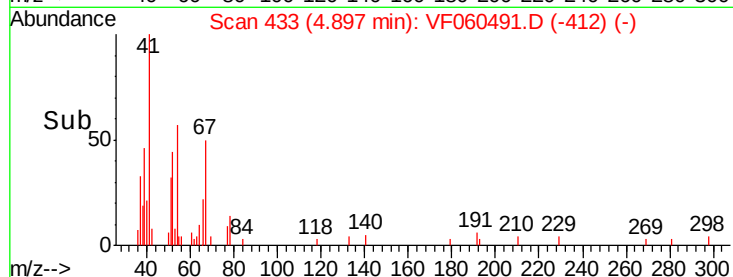
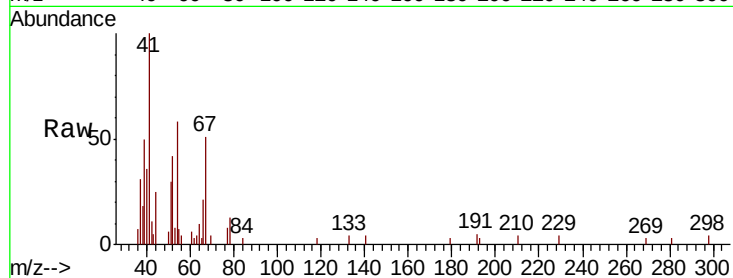
#41
Methacrylonitrile
Concen: 8.780 ug/l
RT: 4.90 min Scan# 433
Delta R.T. 0.01 min
Lab File: VF060491.D
Acq: 9 Oct 2018 15:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion:	41	Resp:	9187
Ion	Ratio	Lower	Upper
41	100		
39	50.1	53.1	79.7#
67	51.1	39.4	59.0
52	42.0	35.0	52.6

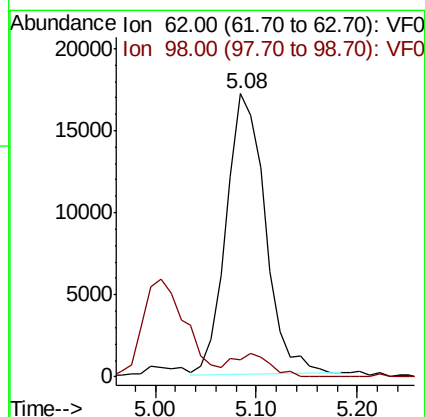
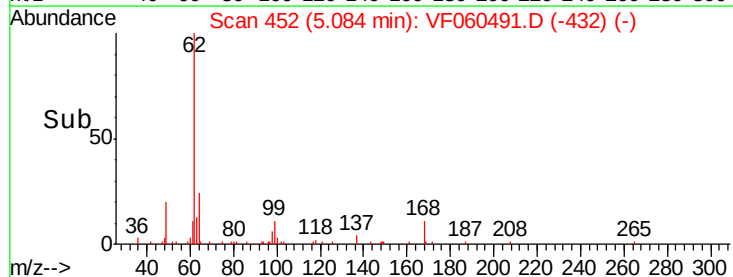
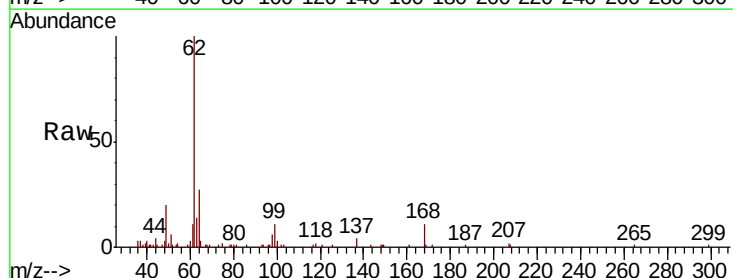
Manual Integrations
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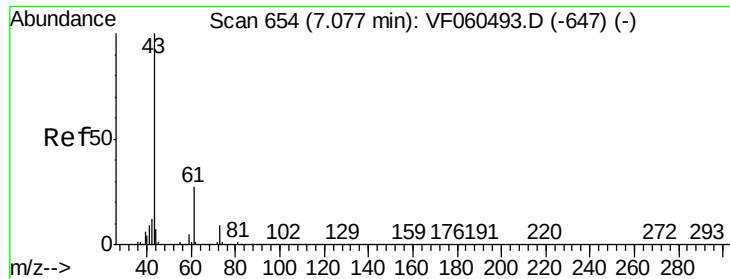
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#42
1,2-Dichloroethane
Concen: 9.486 ug/l
RT: 5.08 min Scan# 452
Delta R.T. -0.00 min
Lab File: VF060491.D
Acq: 9 Oct 2018 15:15

Tgt Ion:	62	Resp:	46117
Ion	Ratio	Lower	Upper
62	100		
98	6.2	0.0	12.8





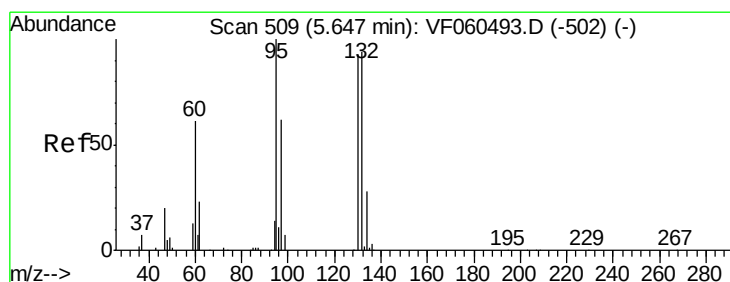
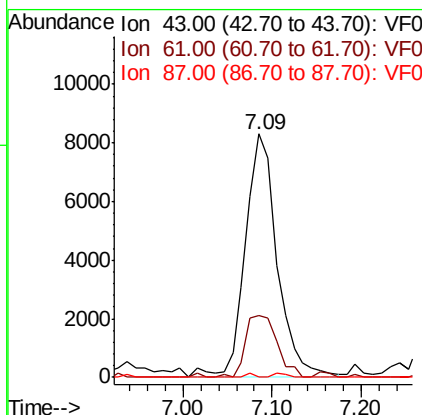
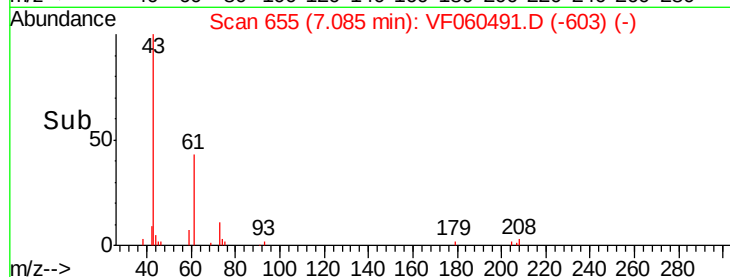
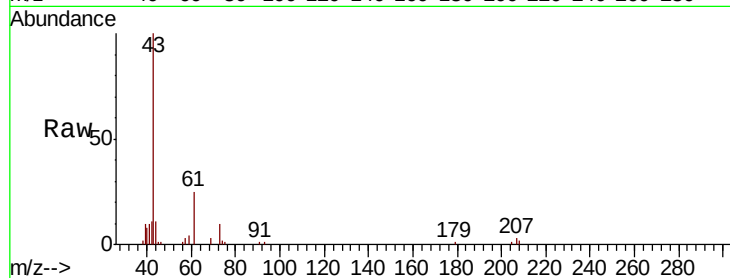
#43
Isopropyl Acetate
Concen: 8.743 ug/l
RT: 7.09 min Scan# 655
Delta R.T. 0.01 min
Lab File: VF060491.D
Acq: 9 Oct 2018 15:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.4	21.6	32.4
87	0.0	0.6	0.8#

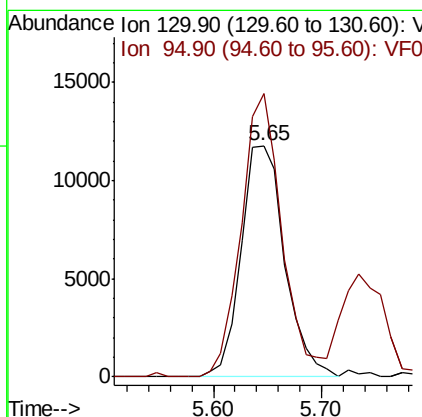
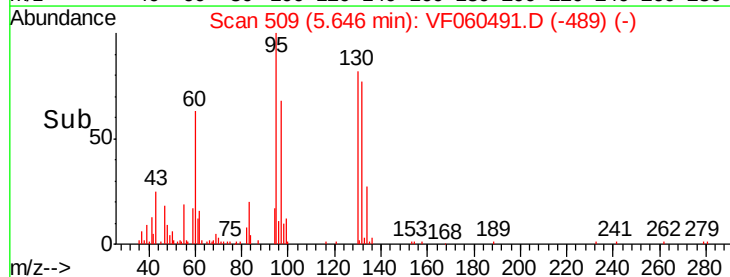
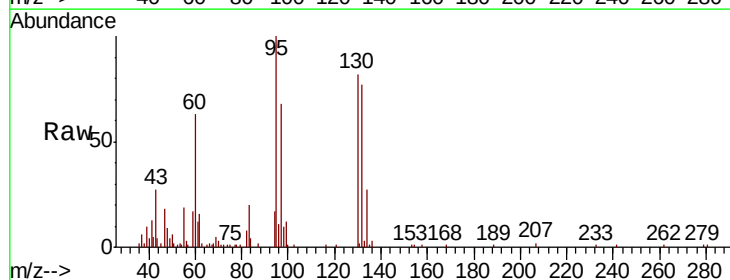
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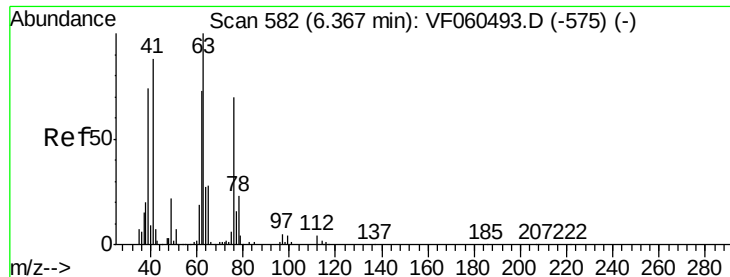
apatel
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#44
Trichloroethene
Concen: 10.001 ug/l
RT: 5.65 min Scan# 509
Delta R.T. -0.00 min
Lab File: VF060491.D
Acq: 9 Oct 2018 15:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	122.4	0.0	216.0





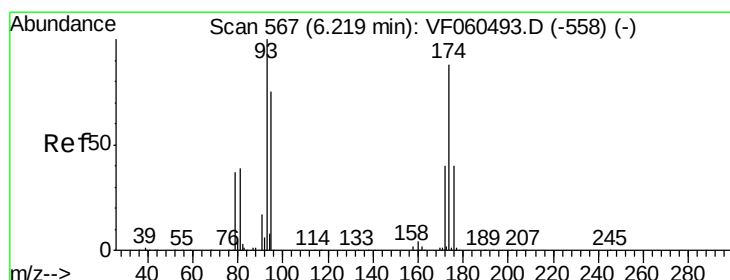
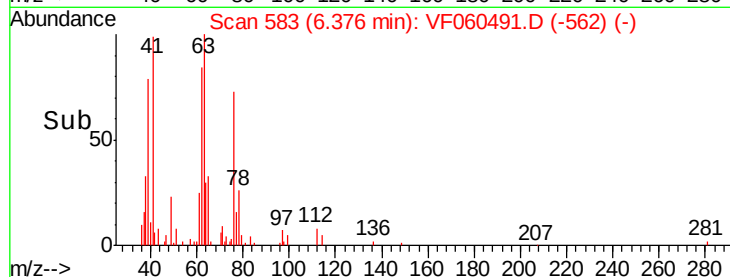
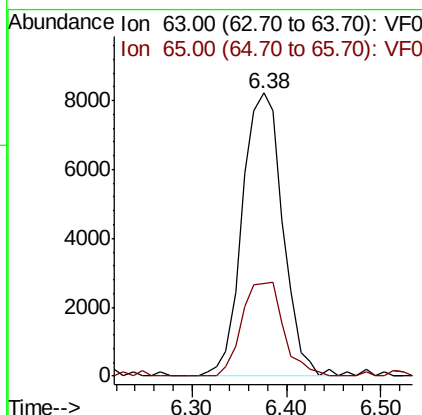
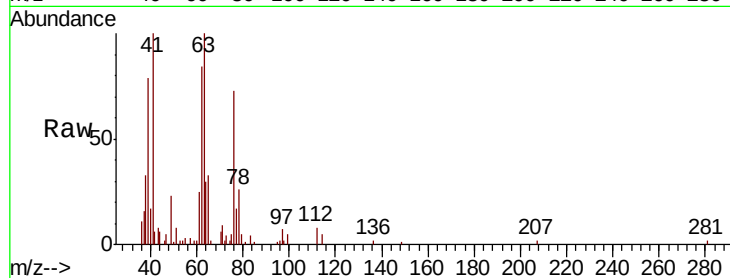
#45
 1,2-Dichloropropane
 Concen: 9.067 ug/l
 RT: 6.38 min Scan# 583
 Delta R.T. 0.01 min
 Lab File: VF060491.D
 Acq: 9 Oct 2018 15:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.8	22.2	33.2

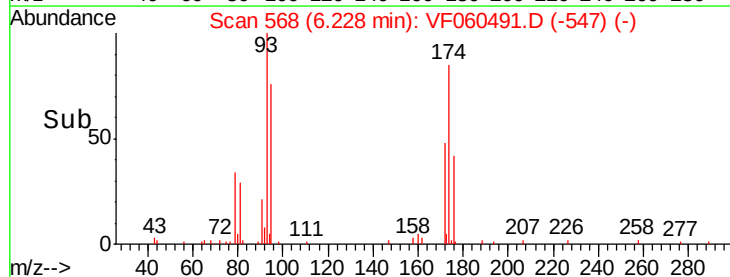
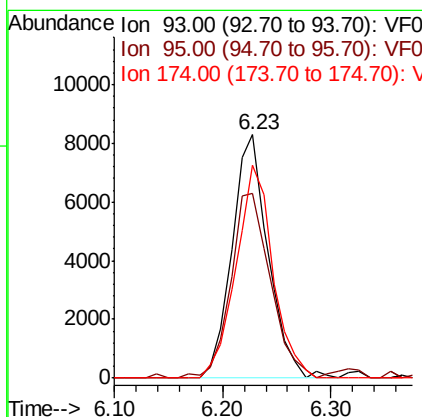
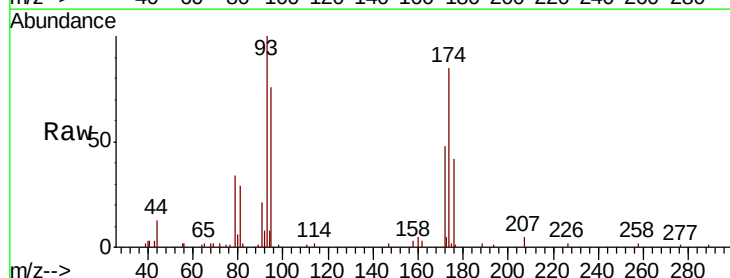
Manual Integrations
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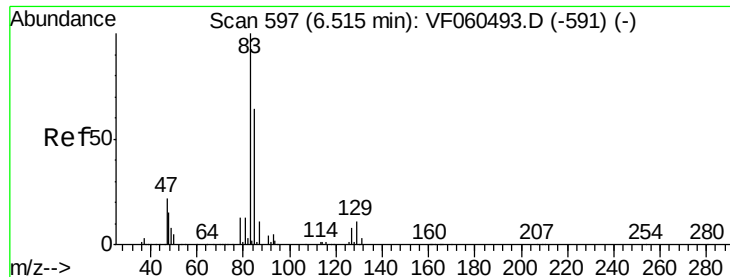
apatel
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#46
 Dibromomethane
 Concen: 8.881 ug/l
 RT: 6.23 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: VF060491.D
 Acq: 9 Oct 2018 15:15

Tgt Ion	Ratio	Lower	Upper
93	100		
95	75.9	60.0	90.0
174	87.6	71.0	106.6





#47

Bromodichloromethane

Concen: 9.037 ug/l

RT: 6.52 min Scan# 598

Delta R.T. 0.01 min

Lab File: VF060491.D

Acq: 9 Oct 2018 15:15

Instrument :

MSVOA_F

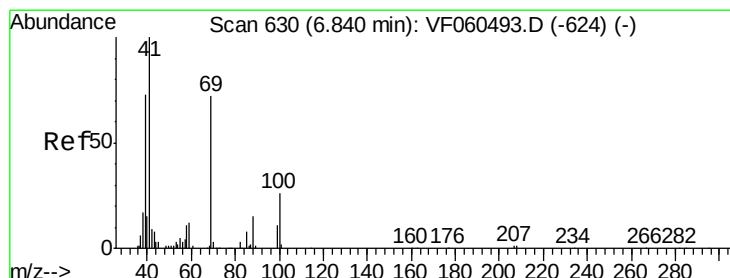
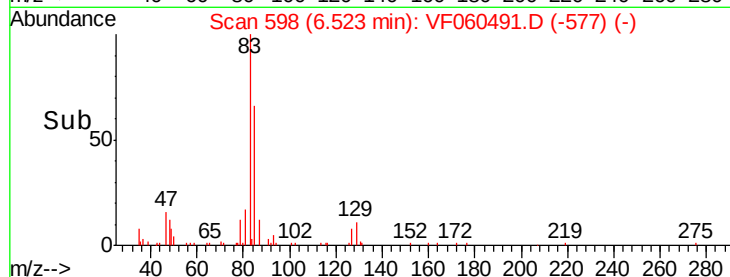
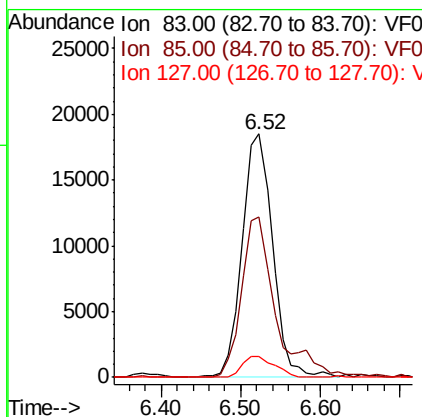
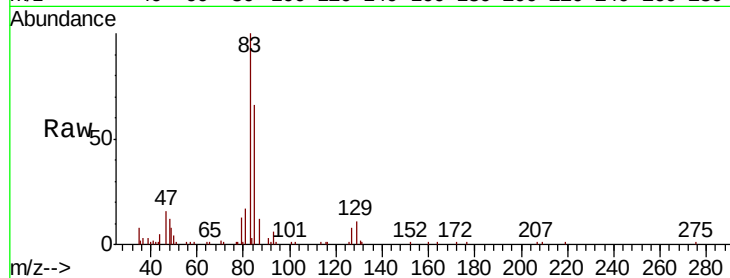
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	48877
Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.2	76.8
127	8.3	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 8.129 ug/l

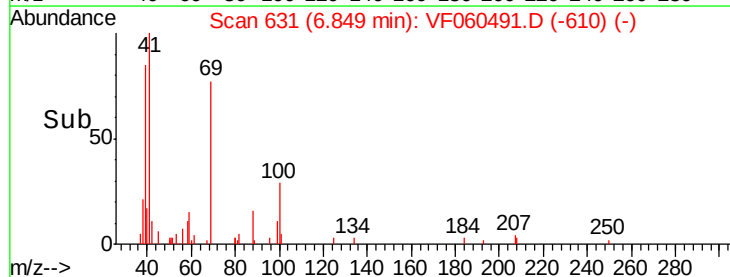
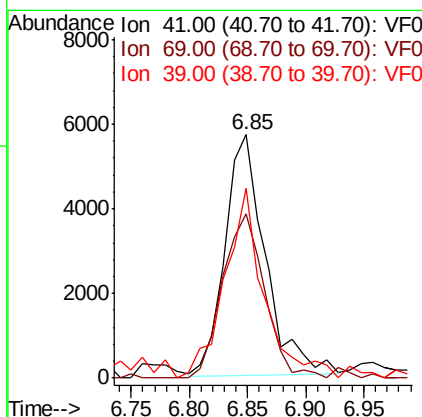
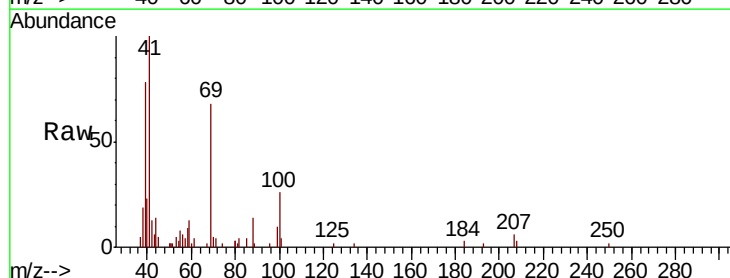
RT: 6.85 min Scan# 631

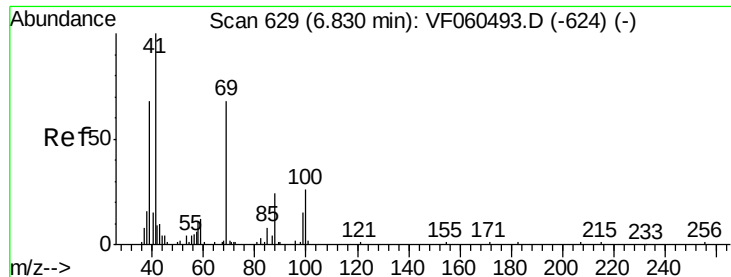
Delta R.T. 0.01 min

Lab File: VF060491.D

Acq: 9 Oct 2018 15:15

Tgt Ion:	41	Resp:	13754
Ion	Ratio	Lower	Upper
41	100		
69	67.5	57.8	86.8
39	77.8	59.1	88.7





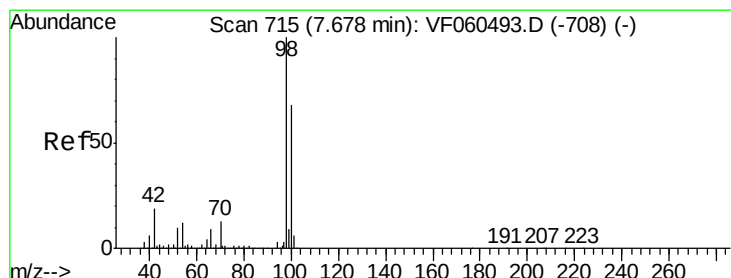
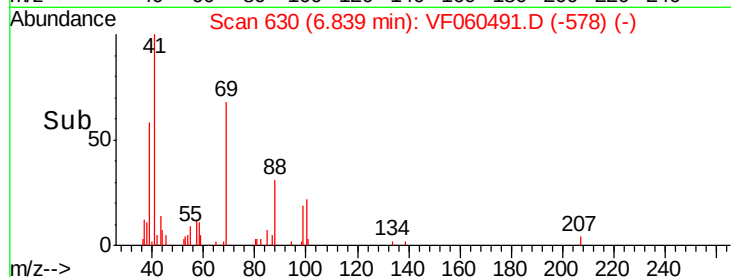
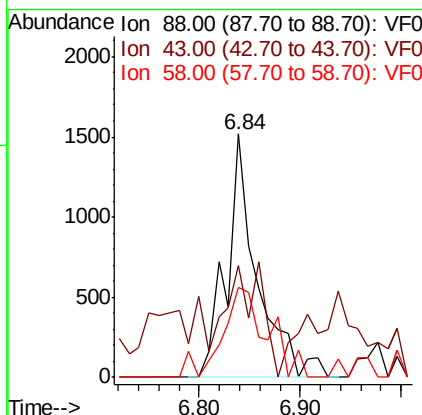
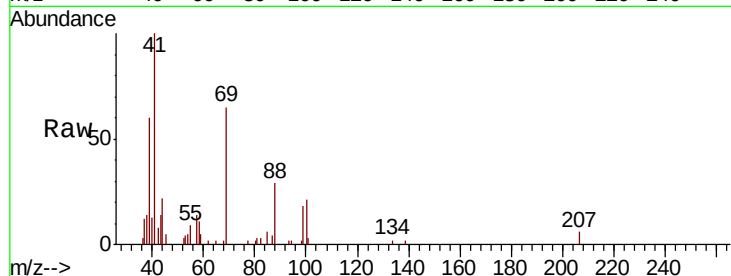
#49
1,4-Dioxane
Concen: 217.956 ug/l
RT: 6.84 min Scan# 630
Delta R.T. 0.01 min
Lab File: VF060491.D
Acq: 9 Oct 2018 15:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	46.0	40.2	60.2
58	36.8	36.3	54.5

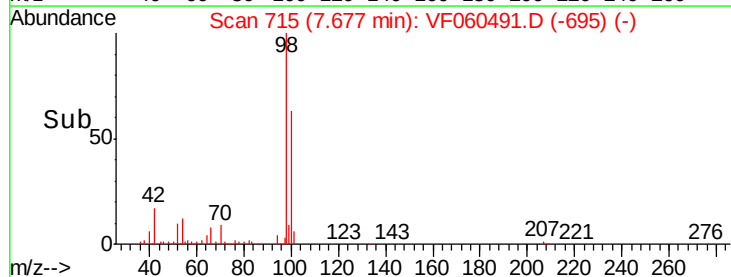
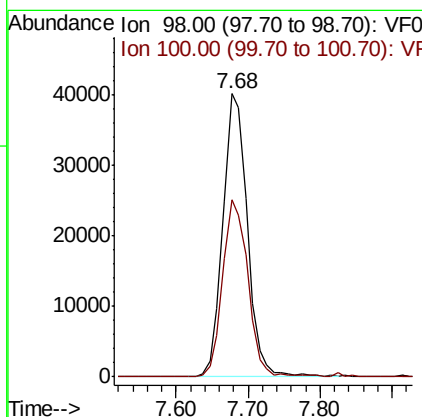
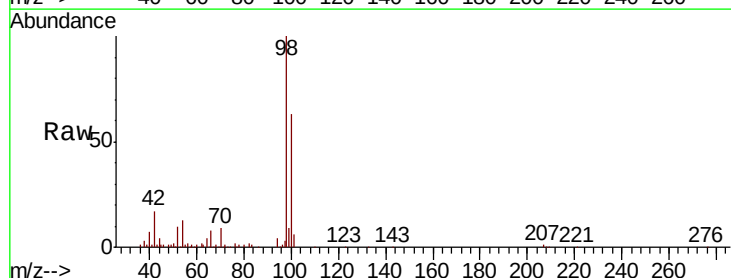
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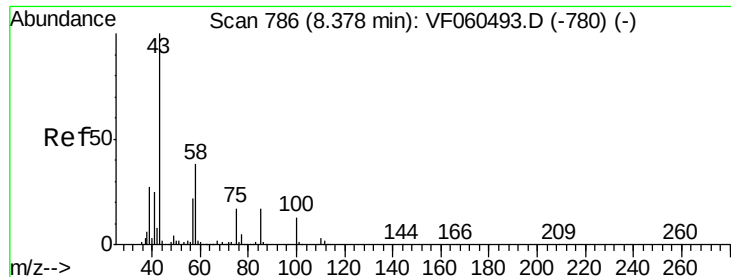
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#50
Toluene-d8
Concen: 9.961 ug/l
RT: 7.68 min Scan# 715
Delta R.T. -0.00 min
Lab File: VF060491.D
Acq: 9 Oct 2018 15:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.7	54.4	81.6





#51

4-Methyl-2-Pentanone

Concen: 46.793 ug/l

RT: 8.38 min Scan# 786

Delta R.T. -0.00 min

Lab File: VF060491.D

Acq: 9 Oct 2018 15:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 78610

Ion Ratio Lower Upper

43 100

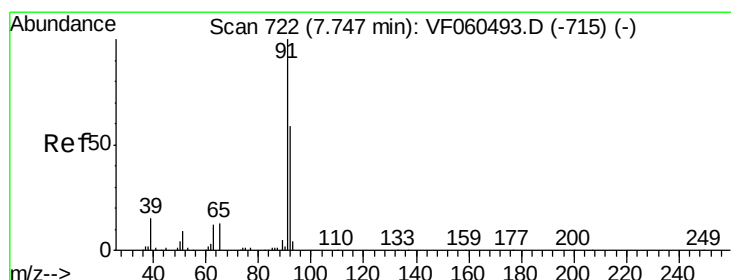
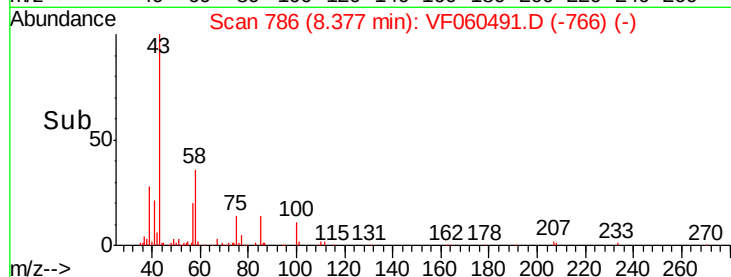
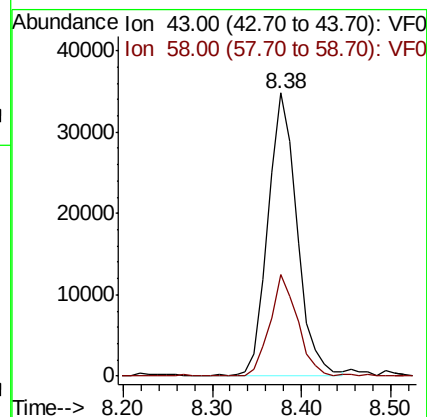
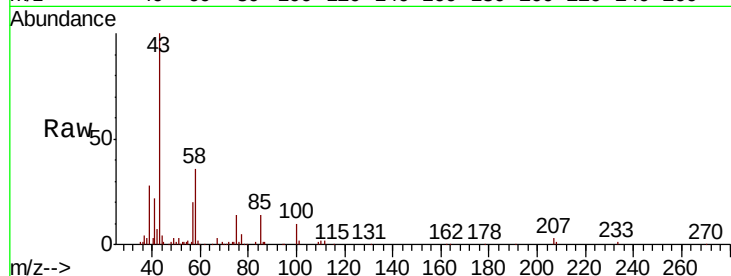
58 36.0 30.4 45.6

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#52

Toluene

Concen: 9.489 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.01 min

Lab File: VF060491.D

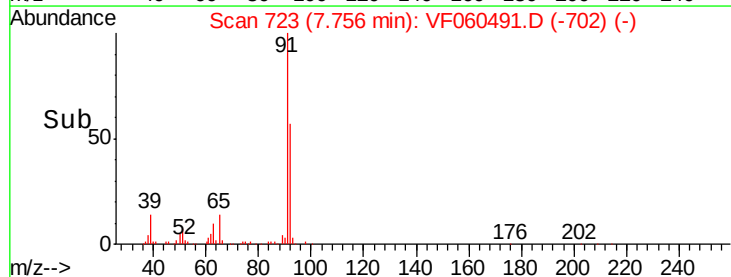
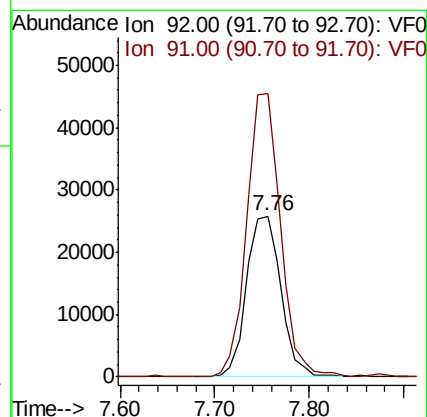
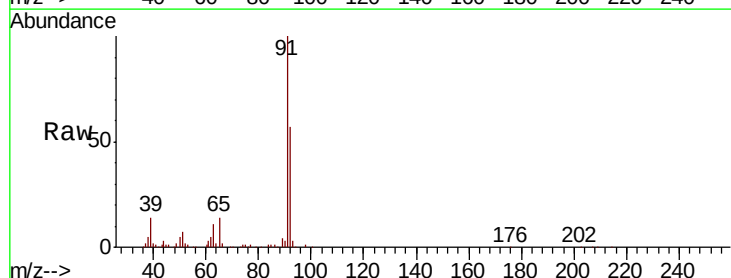
Acq: 9 Oct 2018 15:15

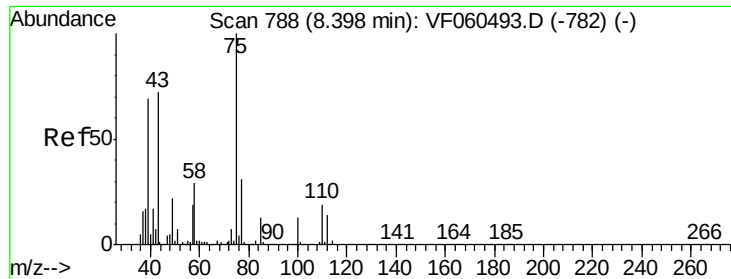
Tgt Ion: 92 Resp: 65453

Ion Ratio Lower Upper

92 100

91 176.1 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 8.585 ug/l

RT: 8.40 min Scan# 788

Delta R.T. -0.00 min

Lab File: VF060491.D

Acq: 9 Oct 2018 15:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 75 Resp: 36352

Ion Ratio Lower Upper

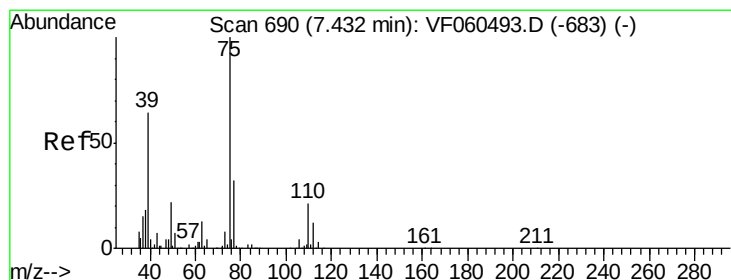
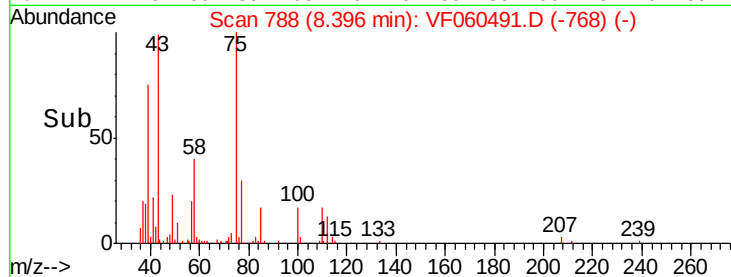
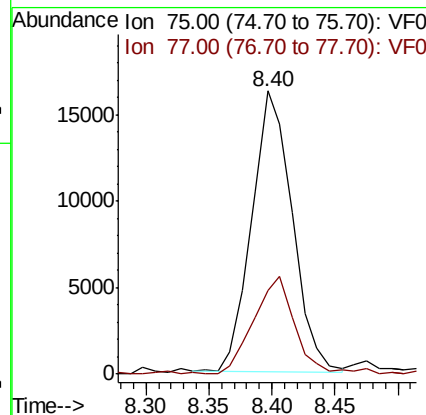
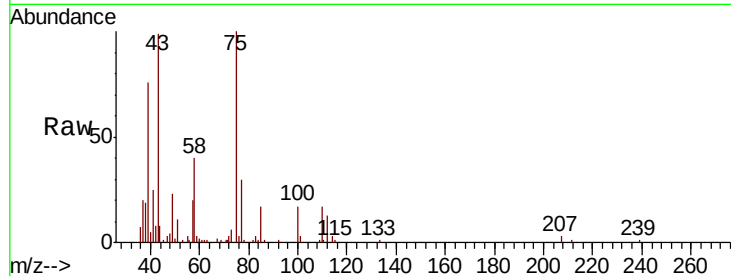
75 100

77 29.7 25.2 37.8

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#54

cis-1,3-Dichloropropene

Concen: 9.176 ug/l

RT: 7.43 min Scan# 690

Delta R.T. -0.00 min

Lab File: VF060491.D

Acq: 9 Oct 2018 15:15

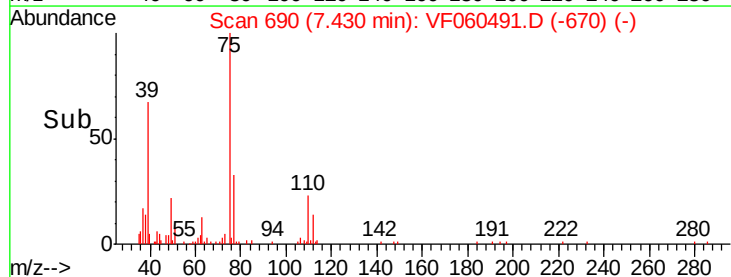
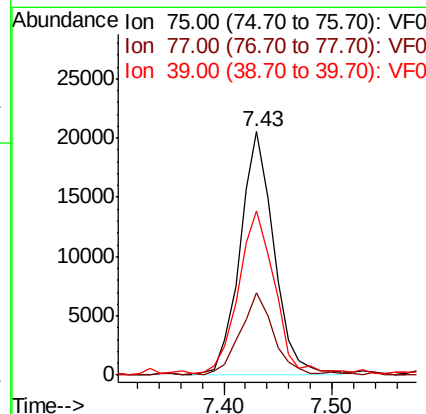
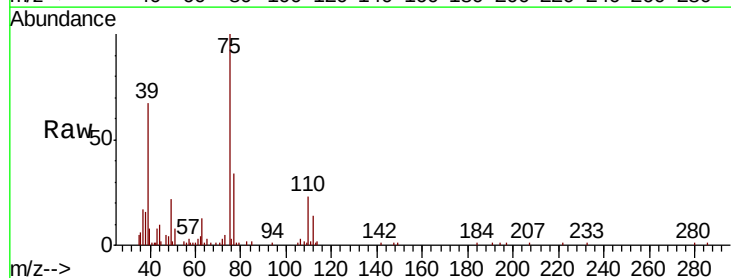
Tgt Ion: 75 Resp: 44977

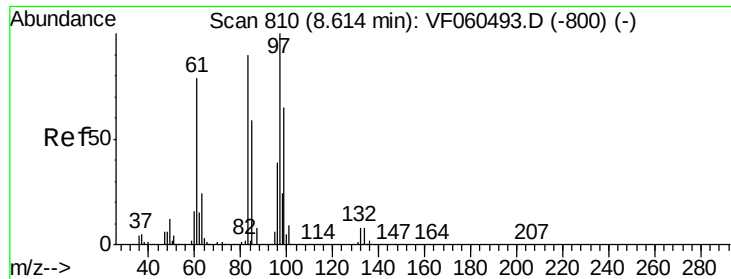
Ion Ratio Lower Upper

75 100

77 34.0 26.0 39.0

39 67.3 51.2 76.8





#55

1,1,2-Trichloroethane

Concen: 8.829 ug/l

RT: 8.61 min Scan# 810

Delta R.T. -0.00 min

Lab File: VF060491.D

Acq: 9 Oct 2018 15:15

Instrument :

MSVOA_F

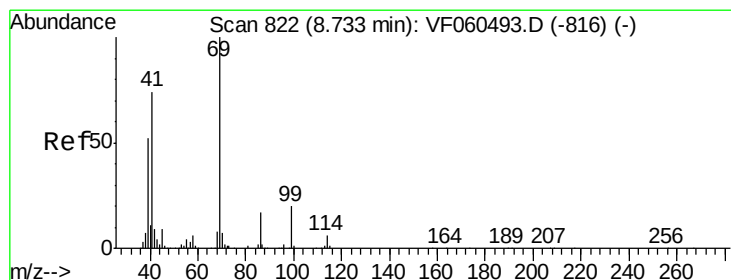
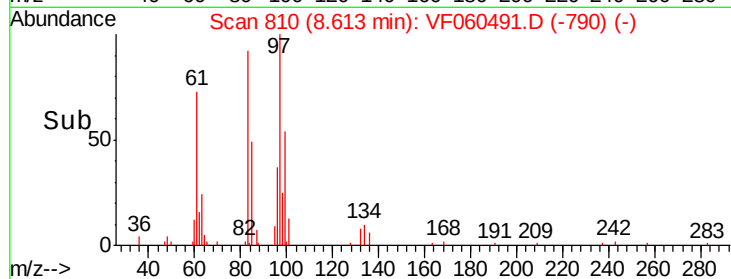
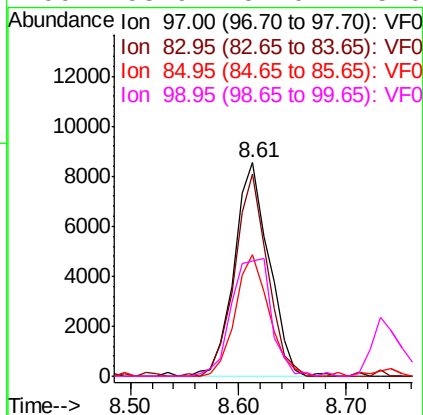
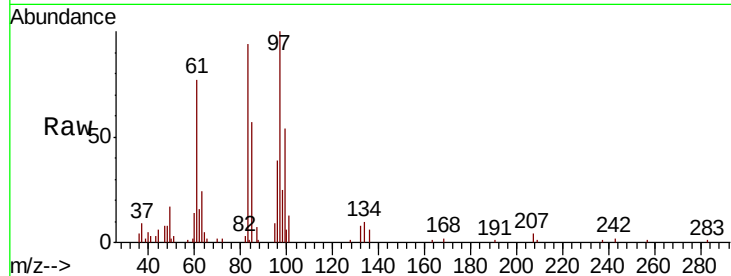
ClientSampleId :

VSTDIC010

Tot Ion:	97	Resp:	19292
Ion	Ratio	Lower	Upper
97	100		
83	94.4	71.9	107.9
85	56.9	47.8	71.8
99	53.9	52.0	78.0

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#56

Ethyl methacrylate

Concen: 9.230 ug/l

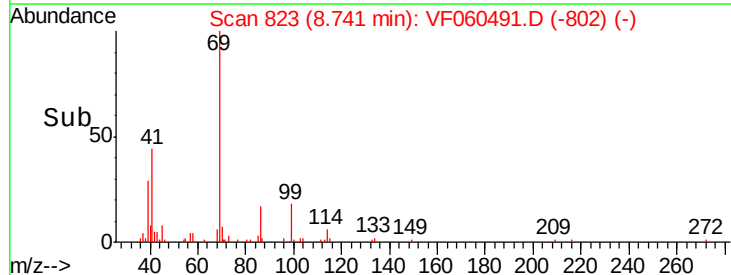
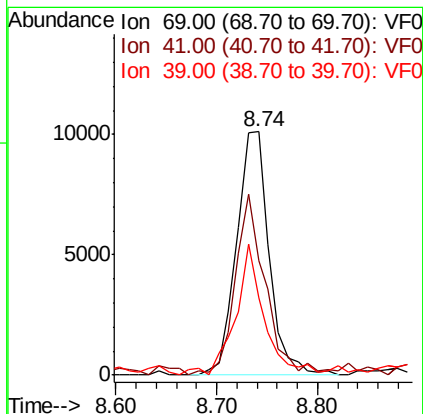
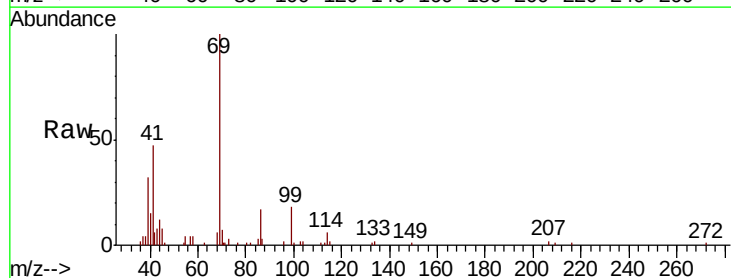
RT: 8.74 min Scan# 823

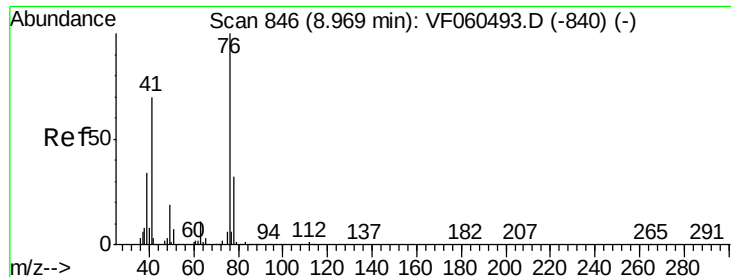
Delta R.T. 0.01 min

Lab File: VF060491.D

Acq: 9 Oct 2018 15:15

Tgt Ion:	69	Resp:	22831
Ion	Ratio	Lower	Upper
69	100		
41	47.1	59.3	88.9#
39	31.9	41.8	62.6#





#57

1,3-Dichloropropane

Concen: 9.135 ug/l

RT: 8.98 min Scan# 847

Delta R.T. 0.01 min

Lab File: VF060491.D

Acq: 9 Oct 2018 15:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 33673

Ion Ratio Lower Upper

76 100

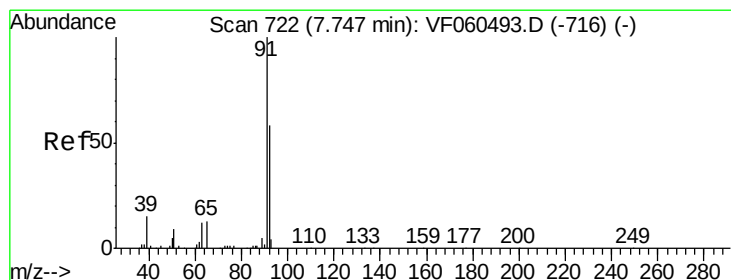
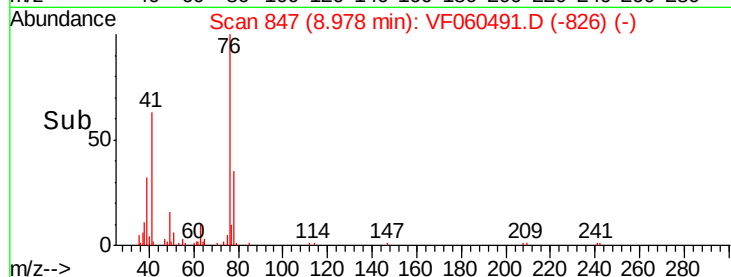
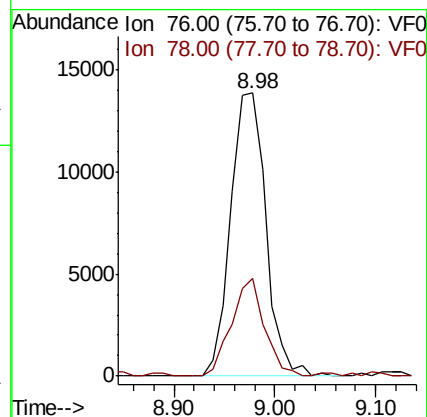
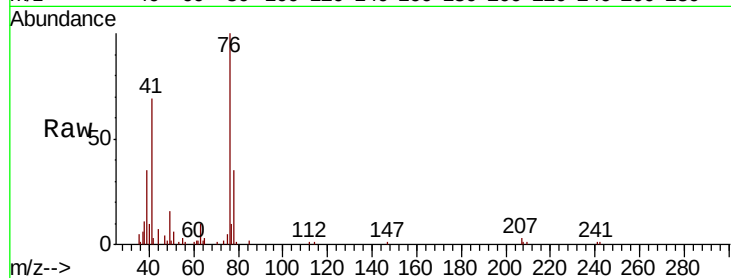
78 34.5 25.3 37.9

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#58

2-Chloroethyl Vinyl ether

Concen: 44.657 ug/l

RT: 7.75 min Scan# 722

Delta R.T. -0.00 min

Lab File: VF060491.D

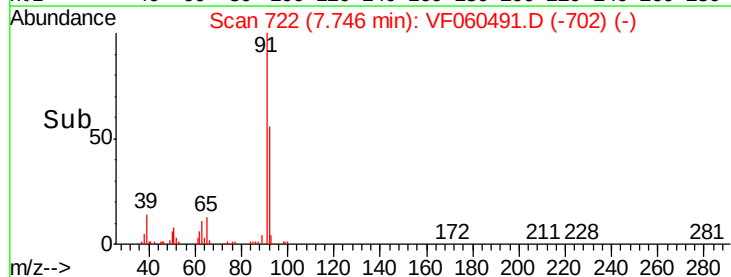
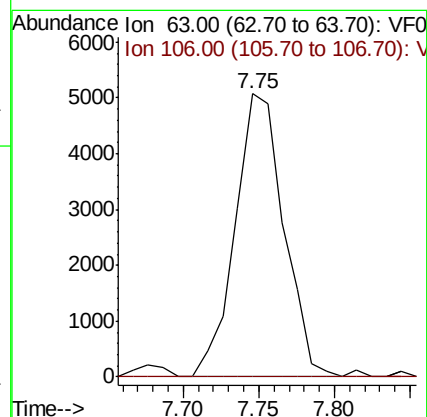
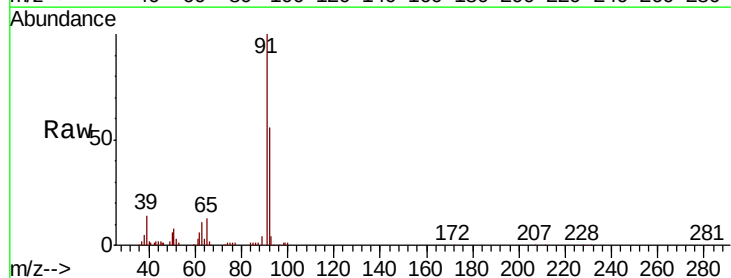
Acq: 9 Oct 2018 15:15

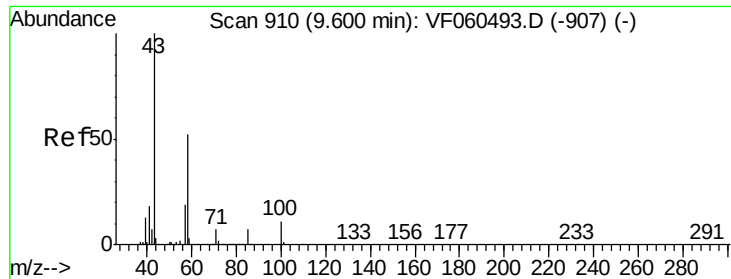
Tgt Ion: 63 Resp: 11360

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





#59

2-Hexanone

Concen: 43.262 ug/l

RT: 9.61 min Scan# 911

Delta R.T. 0.01 min

Lab File: VF060491.D

Acq: 9 Oct 2018 15:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 53190

Ion Ratio Lower Upper

43 100

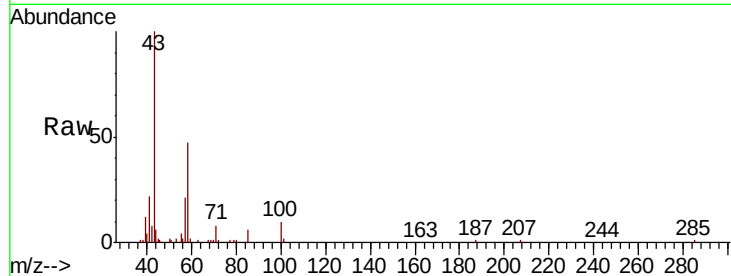
58 47.4 24.2 72.6

Manual Integrations

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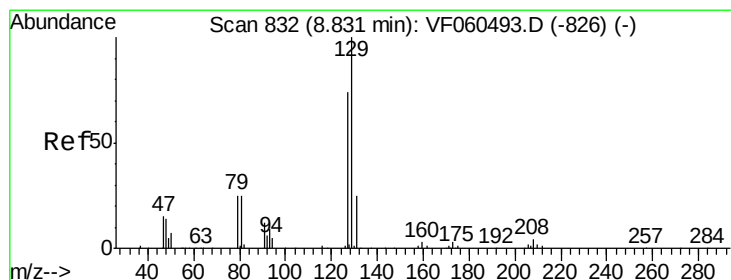
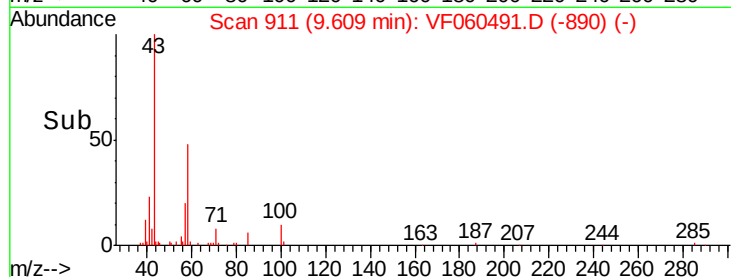
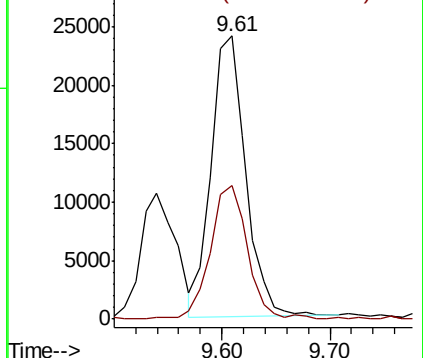
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#60

Dibromochloromethane

Concen: 9.311 ug/l

RT: 8.84 min Scan# 833

Delta R.T. 0.01 min

Lab File: VF060491.D

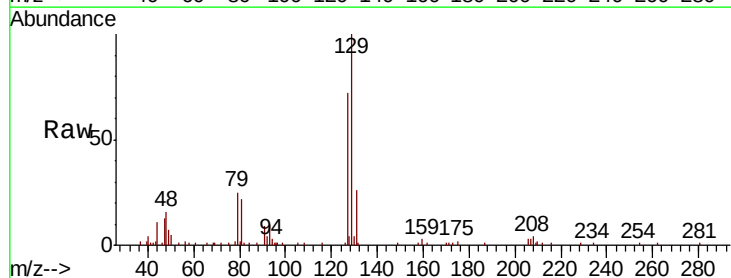
Acq: 9 Oct 2018 15:15

Tgt Ion: 129 Resp: 30535

Ion Ratio Lower Upper

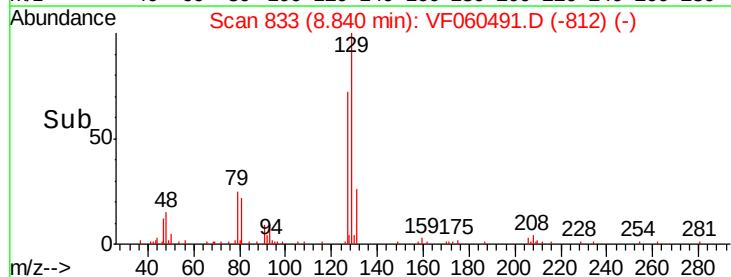
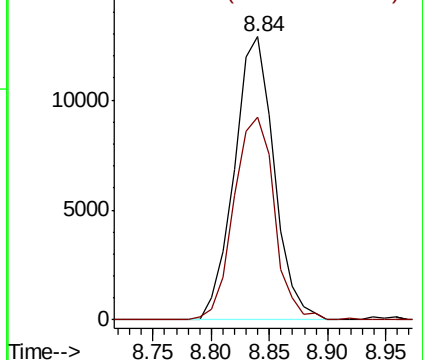
129 100

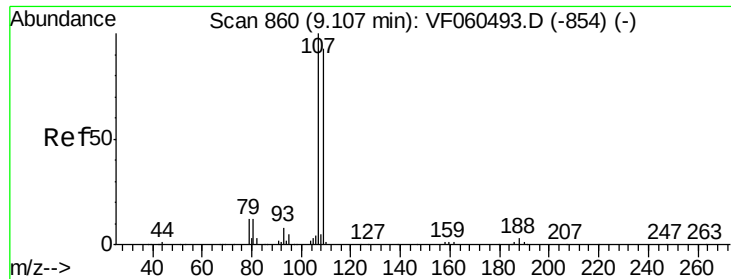
127 71.8 37.0 110.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#61

1,2-Dibromoethane

Concen: 8.521 ug/l

RT: 9.12 min Scan# 861

Delta R.T. 0.01 min

Lab File: VF060491.D

Acq: 9 Oct 2018 15:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:107 Resp: 20370

Ion Ratio Lower Upper

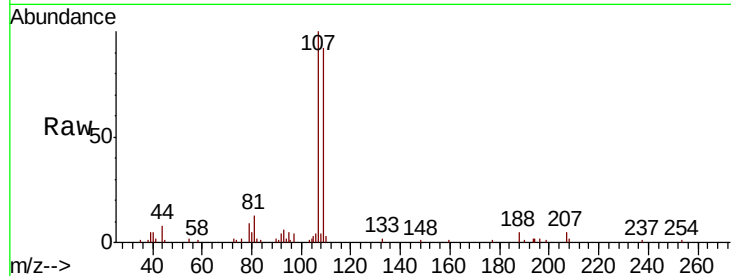
107 100

109 92.2 74.6 112.0

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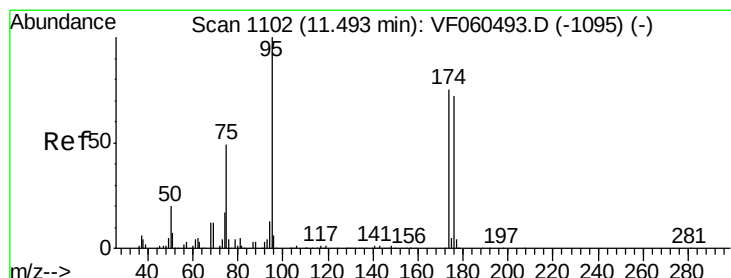
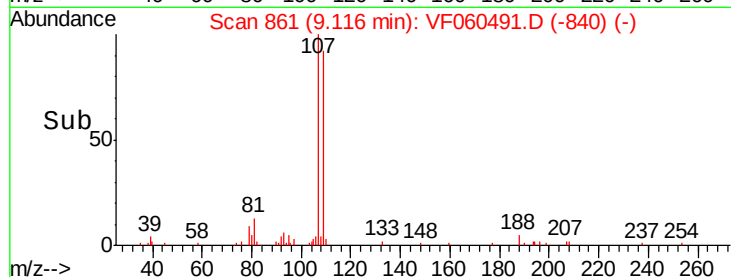


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.12

Time-->



#62

4-Bromofluorobenzene

Concen: 9.427 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VF060491.D

Acq: 9 Oct 2018 15:15

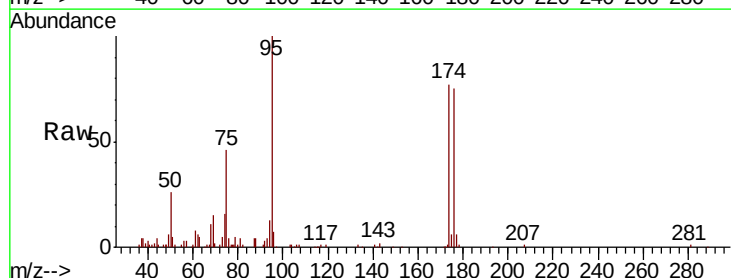
Tgt Ion: 95 Resp: 41111

Ion Ratio Lower Upper

95 100

174 76.6 0.0 150.4

176 74.7 0.0 144.6



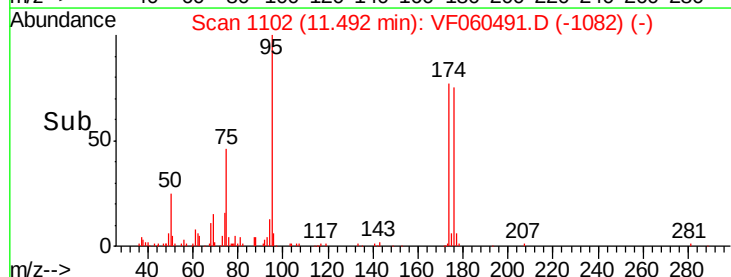
Abundance Ion 95.00 (94.70 to 95.70): VF0

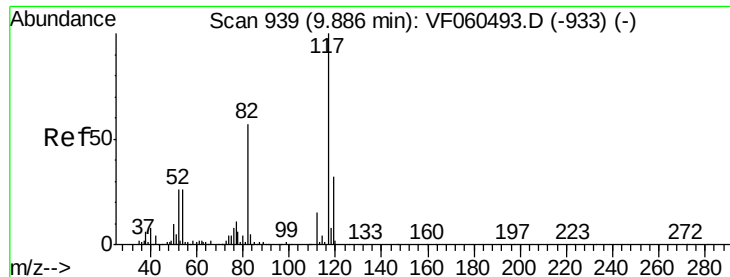
Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.49

Time-->





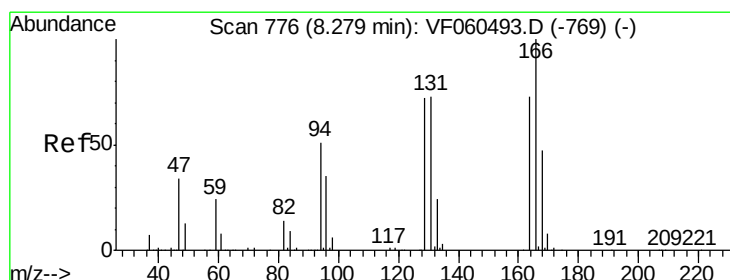
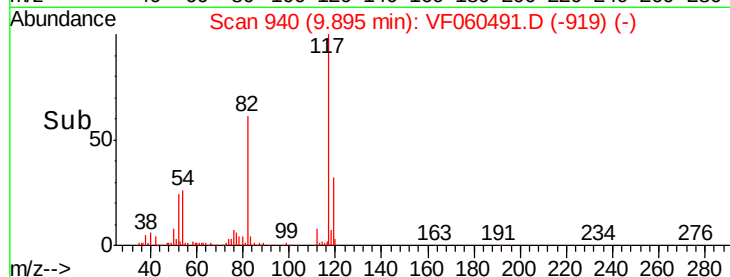
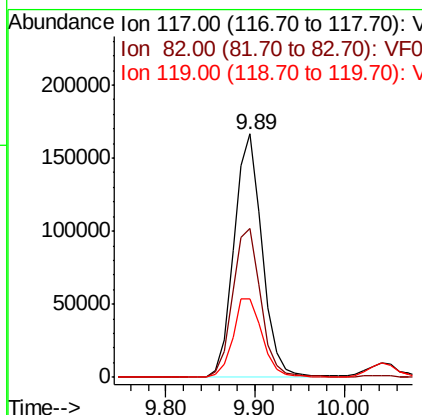
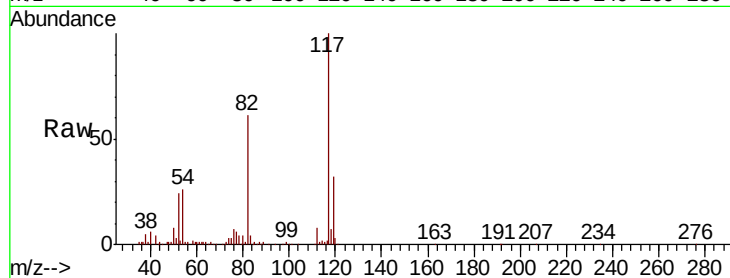
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 940
Delta R.T. 0.01 min
Lab File: VF060491.D
Acq: 9 Oct 2018 15:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.0	45.6	68.4
119	32.5	25.3	37.9

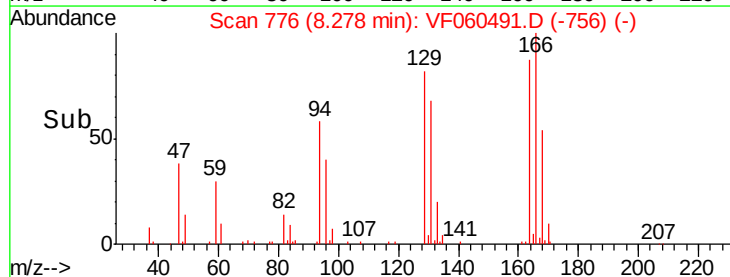
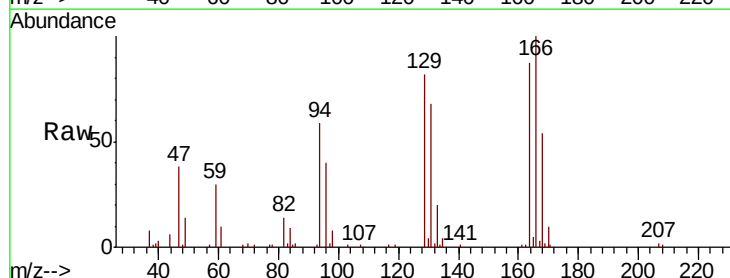
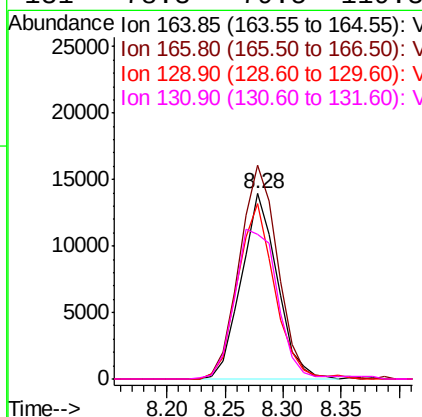
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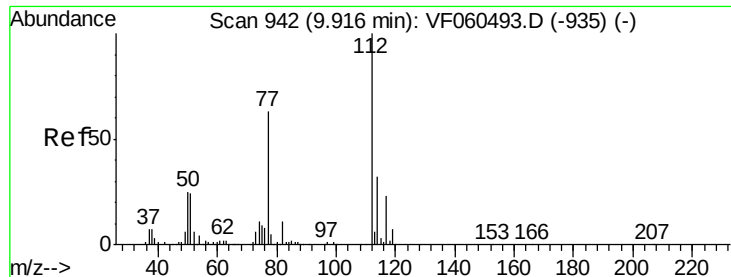
apatel
10/10/2018 12:33:43 PM



#64
Tetrachloroethene
Concen: 10.156 ug/l
RT: 8.28 min Scan# 776
Delta R.T. -0.00 min
Lab File: VF060491.D
Acq: 9 Oct 2018 15:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	115.1	109.4	164.0
129	94.8	78.9	118.3
131	78.3	79.5	119.3#





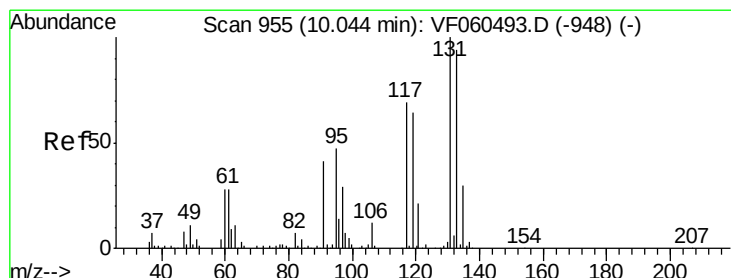
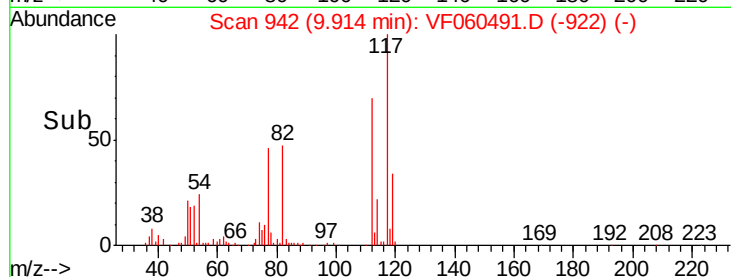
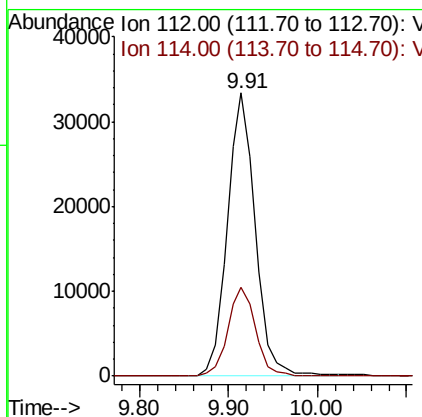
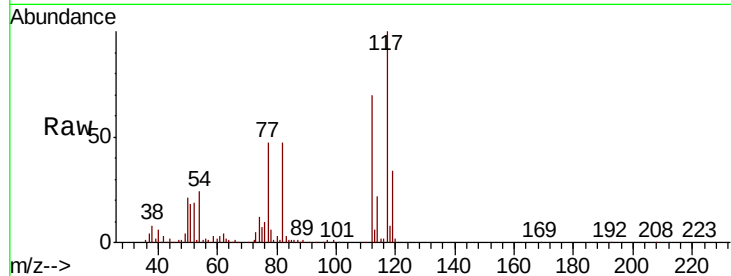
#65
Chlorobenzene
Concen: 9.730 ug/l
RT: 9.91 min Scan# 942
Delta R.T. -0.00 min
Lab File: VF060491.D
Acq: 9 Oct 2018 15:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.9	38.9

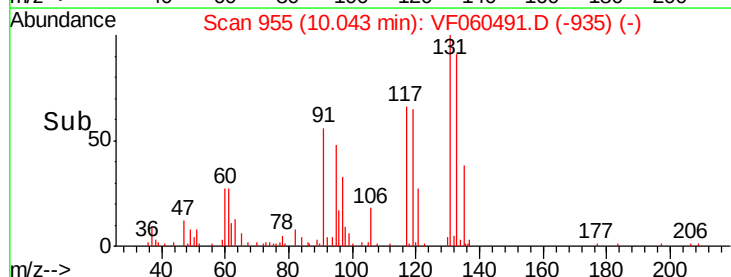
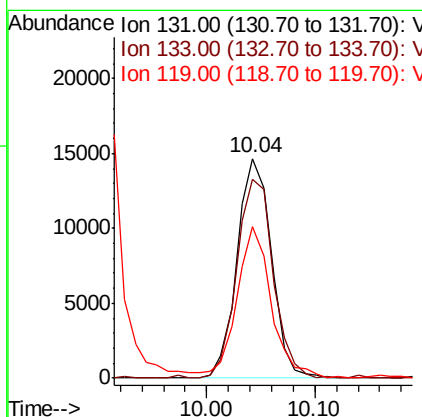
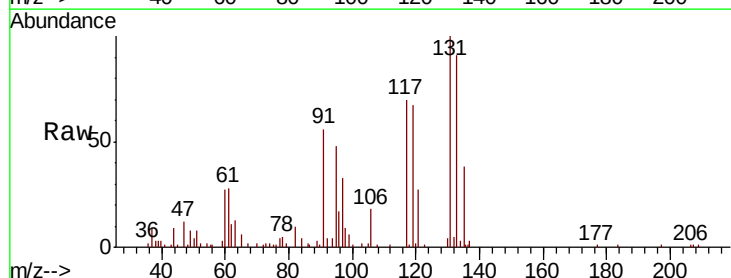
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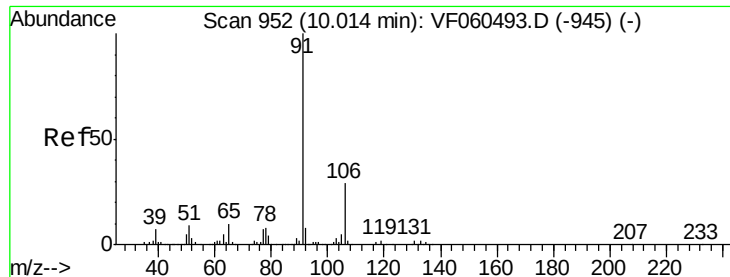
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 9.870 ug/l
RT: 10.04 min Scan# 955
Delta R.T. -0.00 min
Lab File: VF060491.D
Acq: 9 Oct 2018 15:15

Tgt Ion	Ratio	Lower	Upper
131	100		
133	90.6	47.1	141.4
119	68.8	32.0	96.2





#67

Ethyl Benzene

Concen: 9.815 ug/l

RT: 10.01 min Scan# 952

Delta R.T. -0.00 min

Lab File: VF060491.D

Acq: 9 Oct 2018 15:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 141086

Ion Ratio Lower Upper

91 100

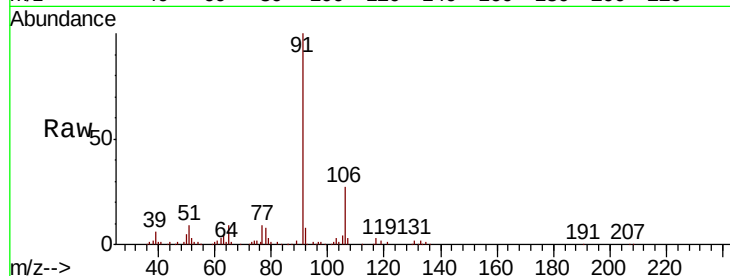
106 26.9 23.3 34.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

80000

60000

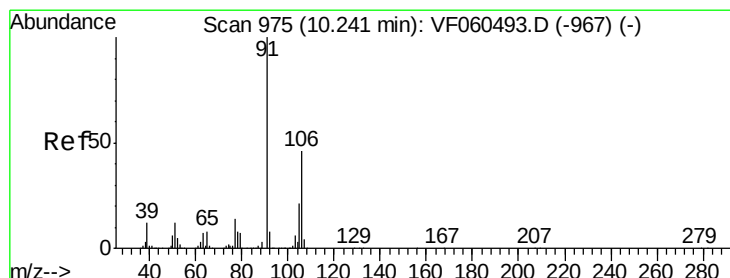
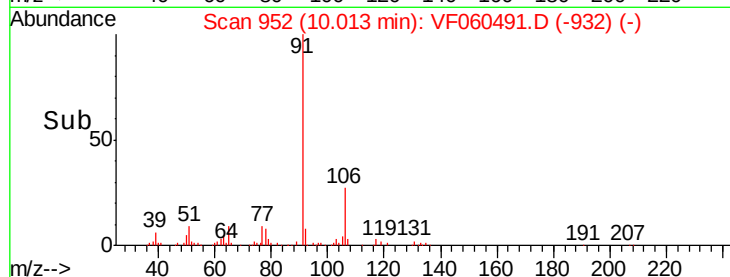
40000

20000

0

9.90 10.01 10.10

Time-->



#68

m/p-Xylenes

Concen: 19.264 ug/l

RT: 10.24 min Scan# 975

Delta R.T. -0.00 min

Lab File: VF060491.D

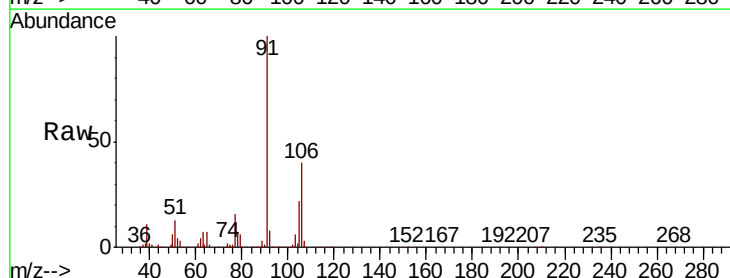
Acq: 9 Oct 2018 15:15

Tgt Ion: 106 Resp: 94730

Ion Ratio Lower Upper

106 100

91 250.2 174.6 262.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

120000

100000

80000

60000

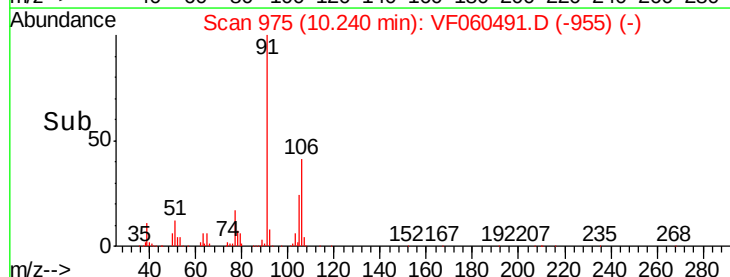
40000

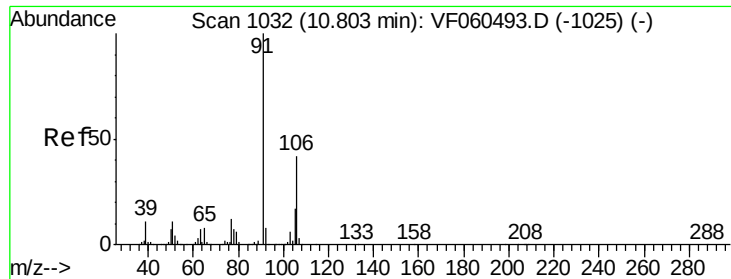
20000

0

10.20 10.24 10.30

Time-->





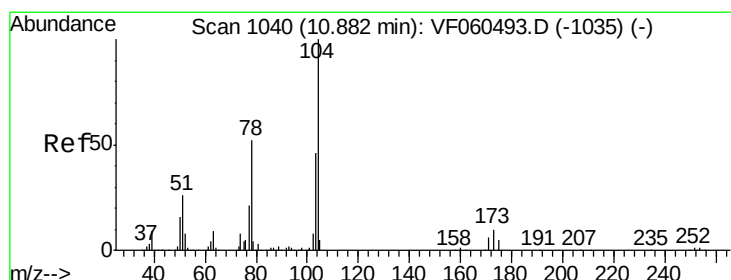
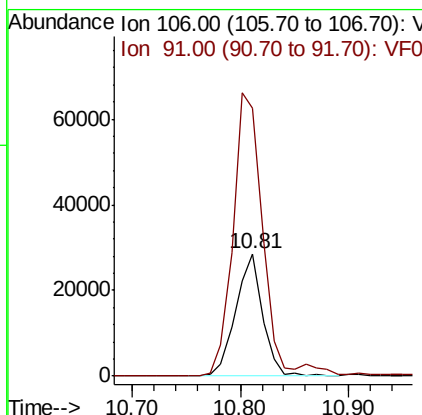
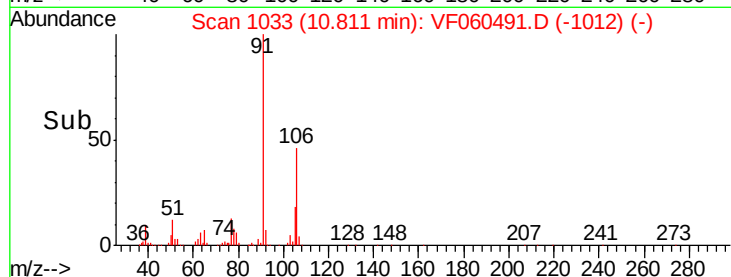
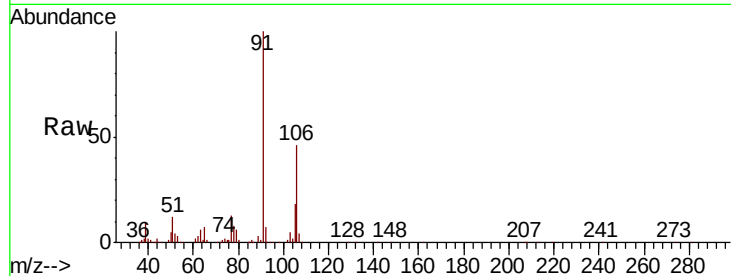
#69
o-Xylene
Concen: 9.268 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VF060491.D
Acq: 9 Oct 2018 15:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 49724
Ion Ratio Lower Upper
106 100
91 218.8 118.8 356.3

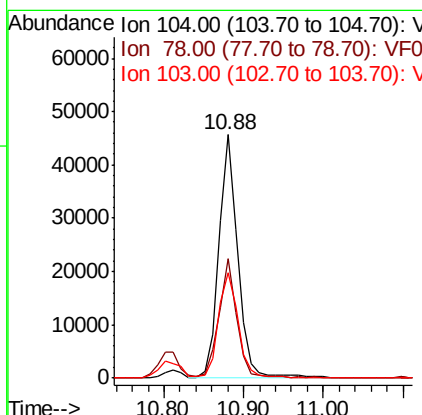
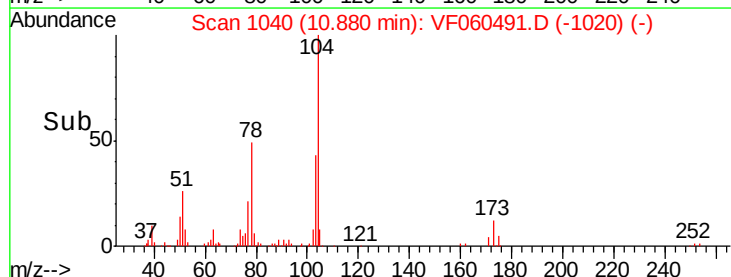
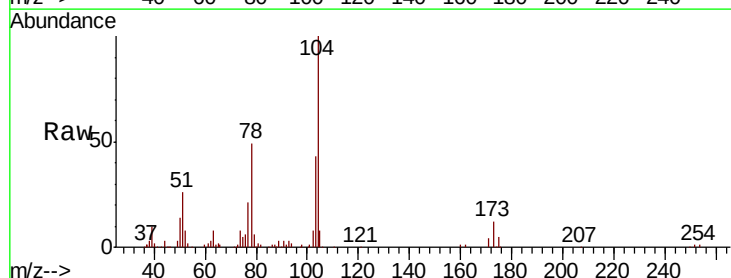
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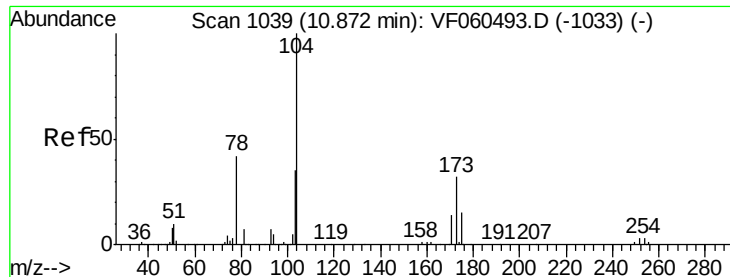
apatel
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#70
Styrene
Concen: 10.122 ug/l
RT: 10.88 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VF060491.D
Acq: 9 Oct 2018 15:15

Tgt Ion:104 Resp: 77088
Ion Ratio Lower Upper
104 100
78 49.2 42.7 64.1
103 43.5 37.6 56.4





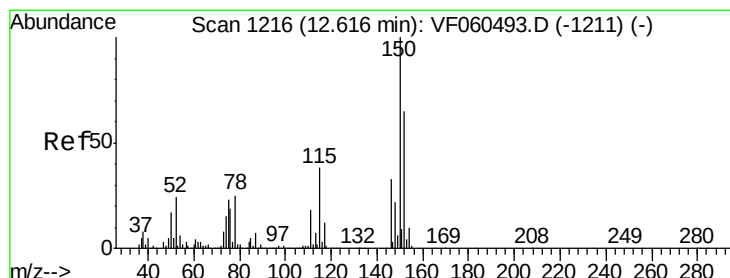
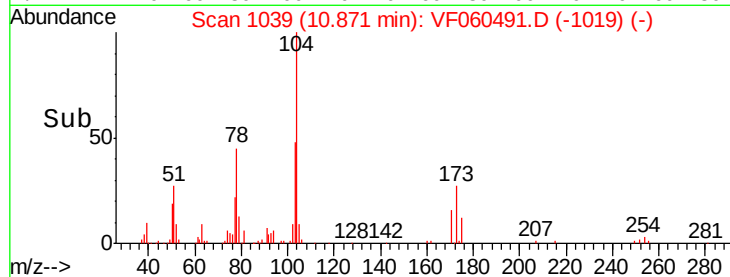
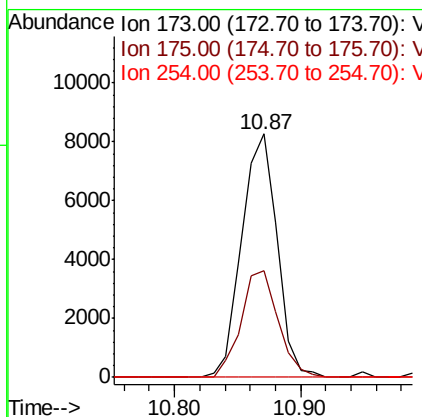
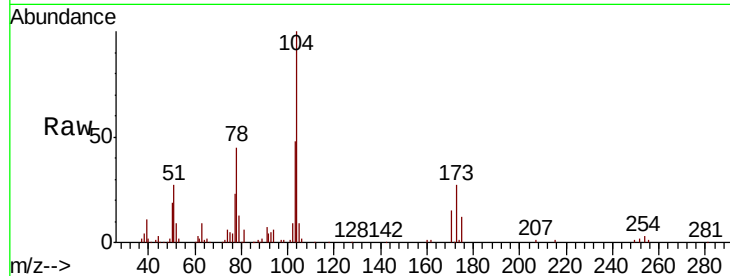
#71
Bromoform
Concen: 9.192 ug/l
RT: 10.87 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VF060491.D
Acq: 9 Oct 2018 15:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	43.7	23.2	69.6
254	0.0	0.2	0.2

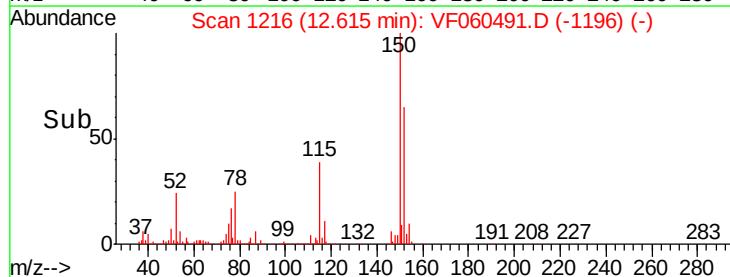
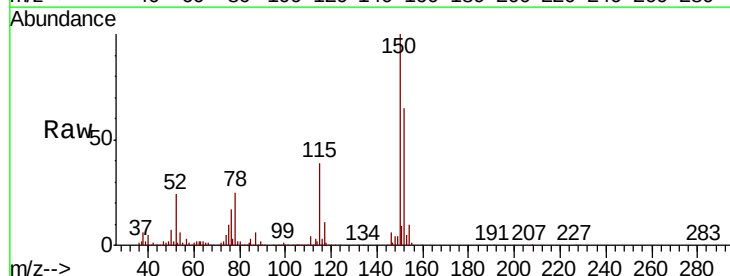
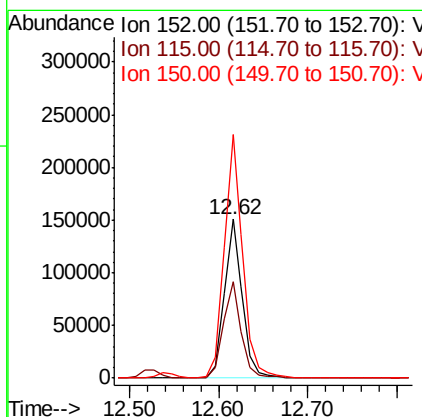
Manual Integrations
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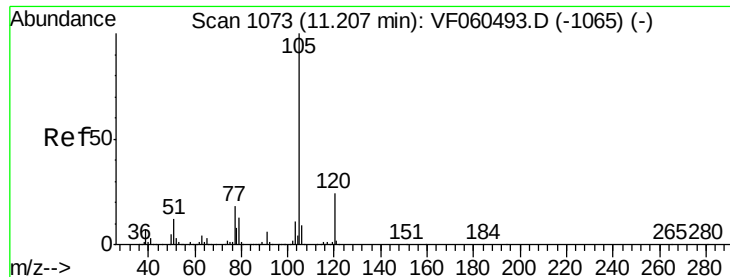
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1216
Delta R.T. -0.00 min
Lab File: VF060491.D
Acq: 9 Oct 2018 15:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	29.5	88.5
150	153.1	0.0	310.0





#73

Isopropylbenzene

Concen: 9.592 ug/l

RT: 11.21 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VF060491.D

Acq: 9 Oct 2018 15:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 163804

Ion Ratio Lower Upper

105 100

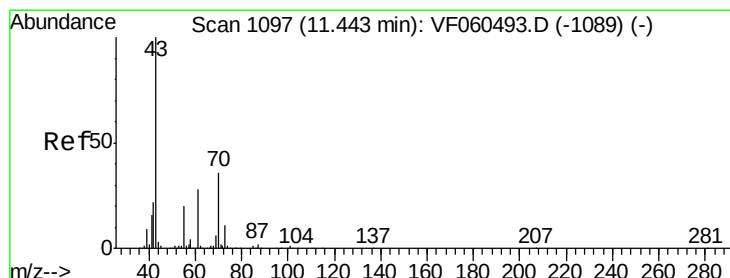
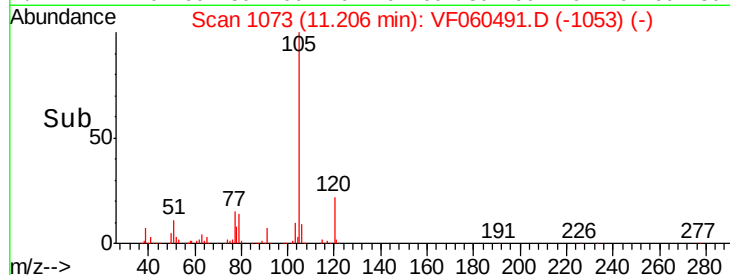
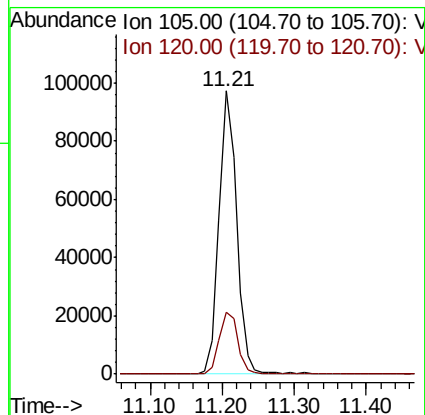
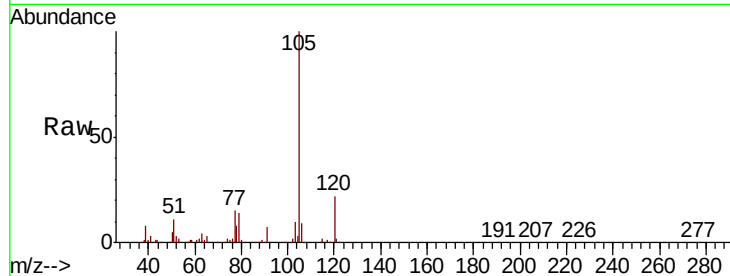
120 22.1 11.9 35.9

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#74

N-ethyl acetate

Concen: 8.150 ug/l

RT: 11.44 min Scan# 1097

Delta R.T. -0.00 min

Lab File: VF060491.D

Acq: 9 Oct 2018 15:15

Tgt Ion: 43 Resp: 31589

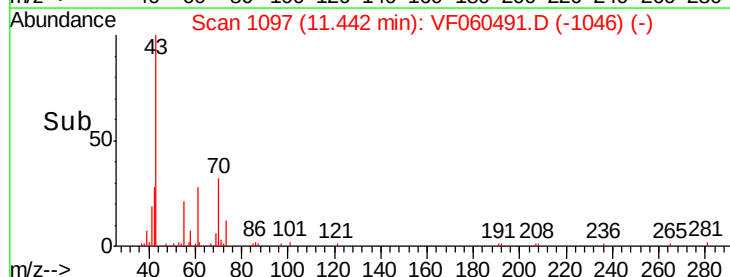
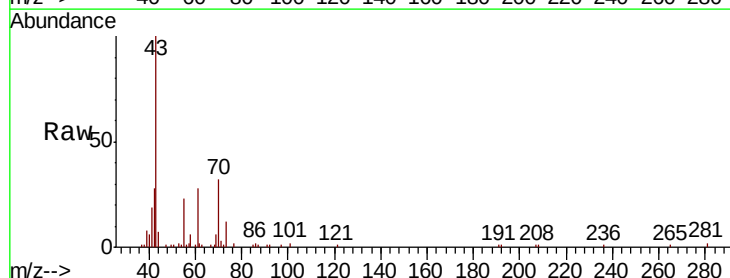
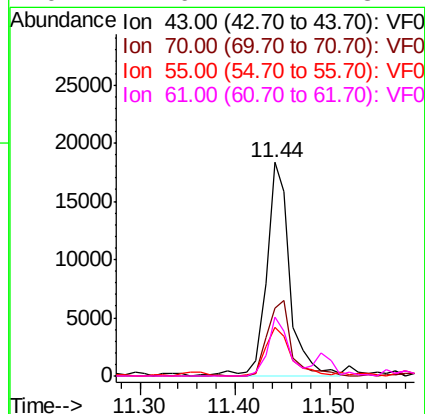
Ion Ratio Lower Upper

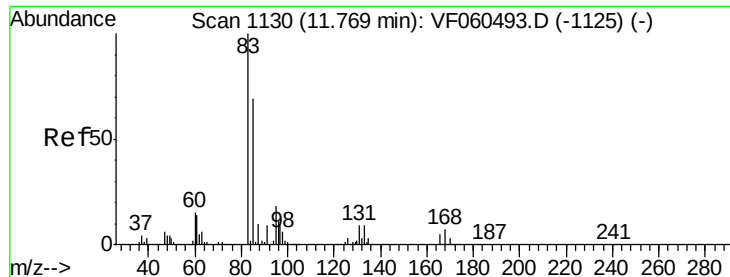
43 100

70 32.1 28.7 43.1

55 22.7 16.1 24.1

61 27.6 22.7 34.1





#75

1,1,2,2-Tetrachloroethane

Concen: 8.733 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VF060491.D

Acq: 9 Oct 2018 15:15

Instrument :

MSVOA_F

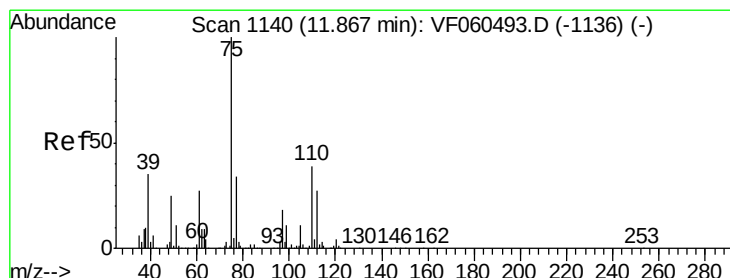
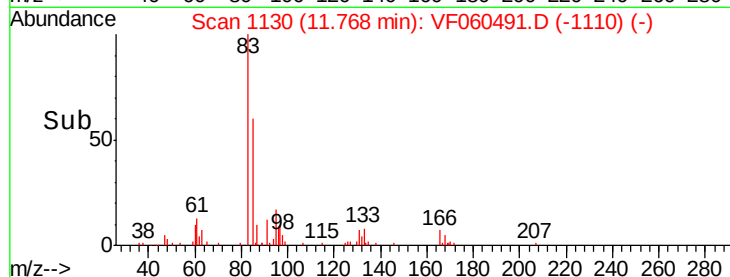
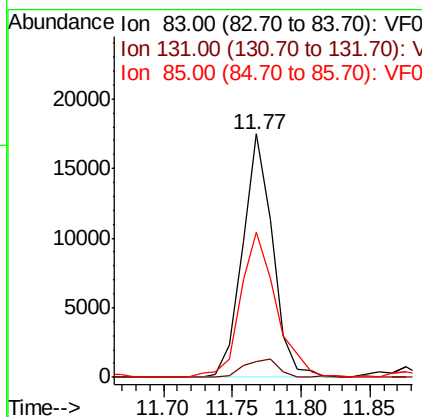
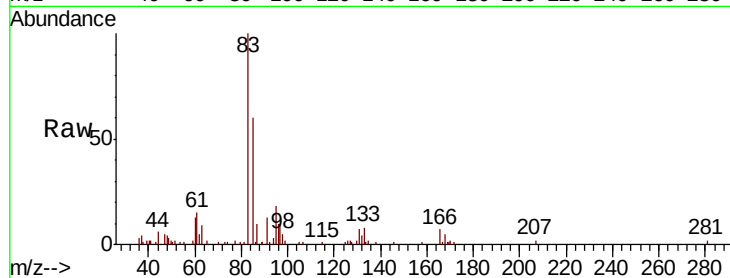
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	26723
Ion Ratio	Lower	Upper	
83	100		
131	6.6	4.5	13.4
85	59.6	34.8	104.4

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#76

1,2,3-Trichloropropane

Concen: 9.407 ug/l

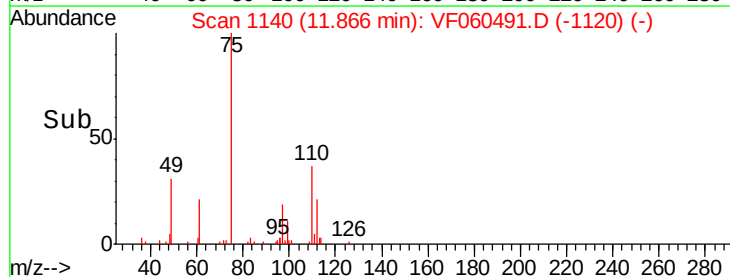
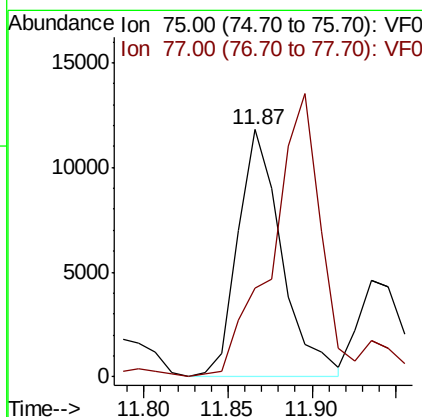
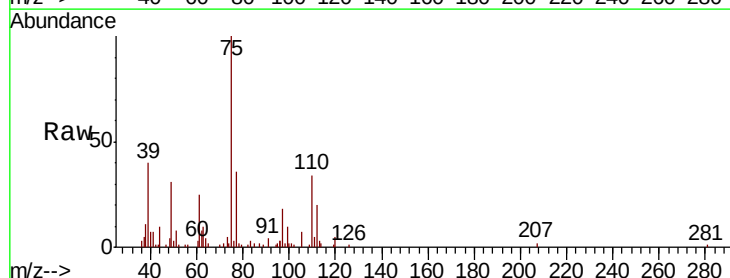
RT: 11.87 min Scan# 1140

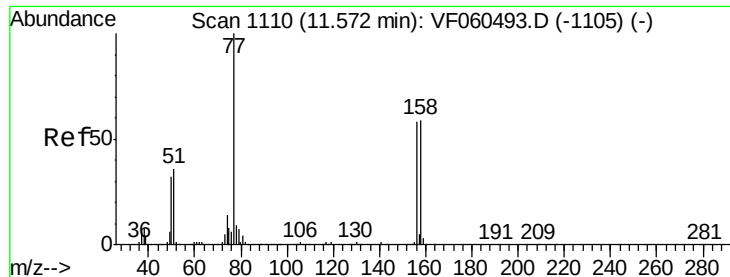
Delta R.T. -0.00 min

Lab File: VF060491.D

Acq: 9 Oct 2018 15:15

Tgt Ion:	75	Resp:	21393
Ion Ratio	Lower	Upper	
75	100		
77	36.1	17.4	52.2





#77

Bromobenzene

Concen: 8.866 ug/l

RT: 11.57 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VF060491.D

Acq: 9 Oct 2018 15:15

Instrument :

MSVOA_F

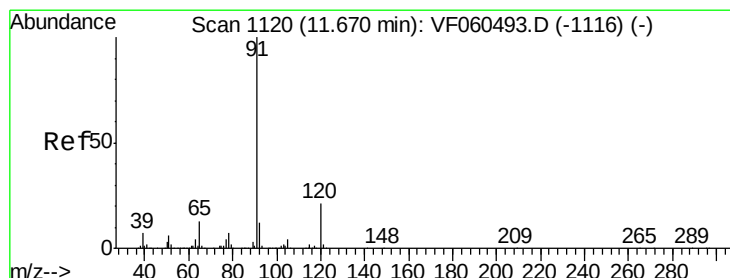
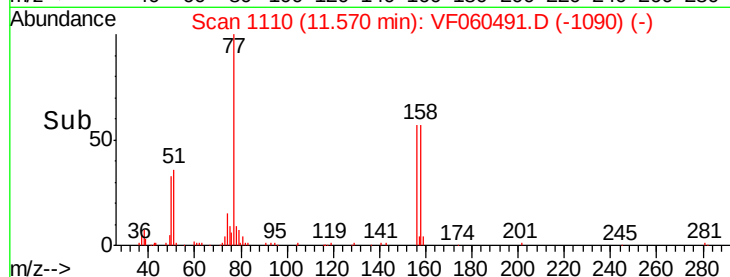
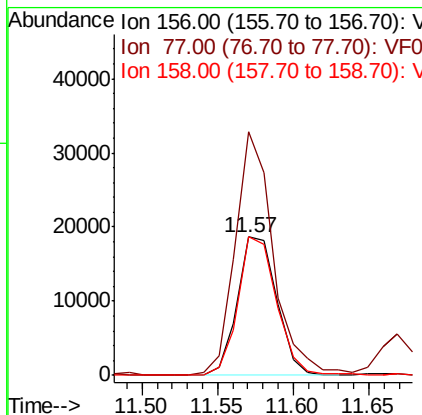
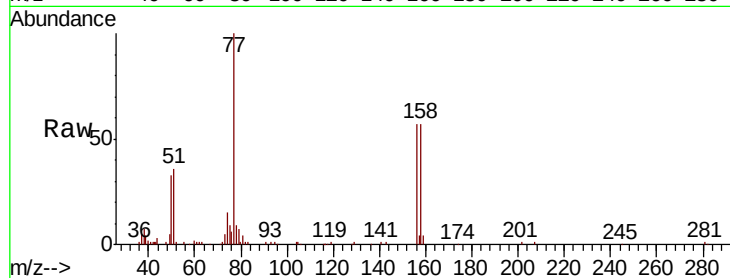
ClientSampleId :

VSTDIC010

Tot Ion:	156	Resp:	33784
Ion	Ratio	Lower	Upper
156	100		
77	176.1	86.3	258.8
158	100.6	51.1	153.3

Manual Integrations
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#78

n-propylbenzene

Concen: 9.687 ug/l

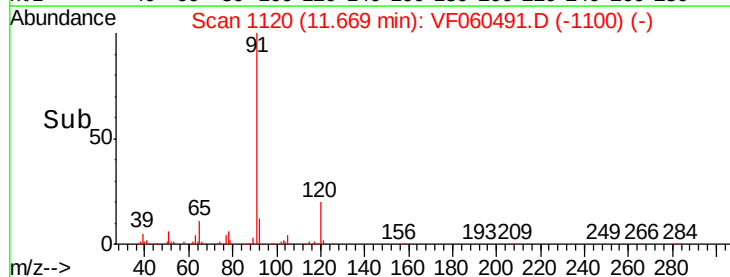
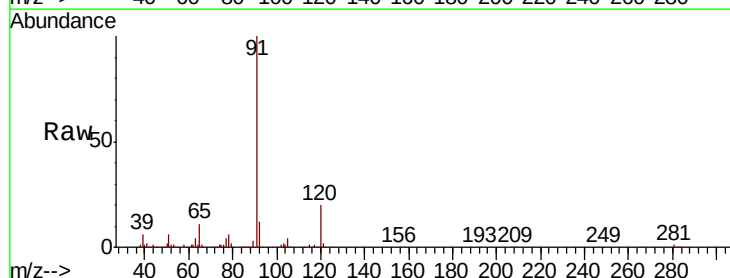
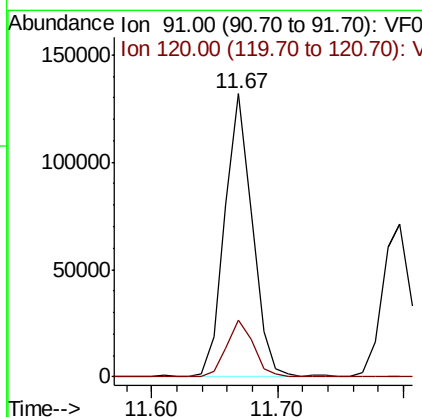
RT: 11.67 min Scan# 1120

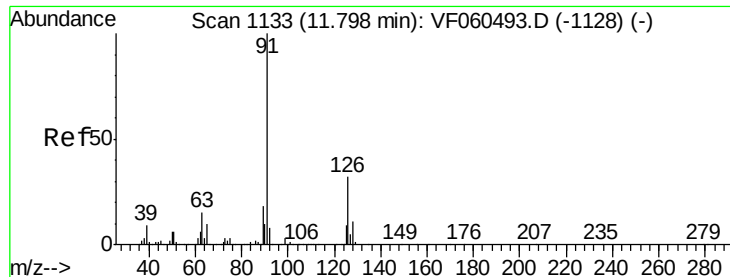
Delta R.T. -0.00 min

Lab File: VF060491.D

Acq: 9 Oct 2018 15:15

Tgt Ion:	91	Resp:	198651
Ion	Ratio	Lower	Upper
91	100		
120	20.2	10.5	31.6





#79

2-Chlorotoluene

Concen: 9.301 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VF060491.D

Acq: 9 Oct 2018 15:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 111830

Ion Ratio Lower Upper

91 100

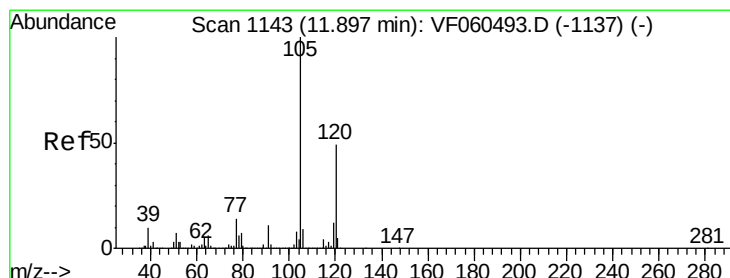
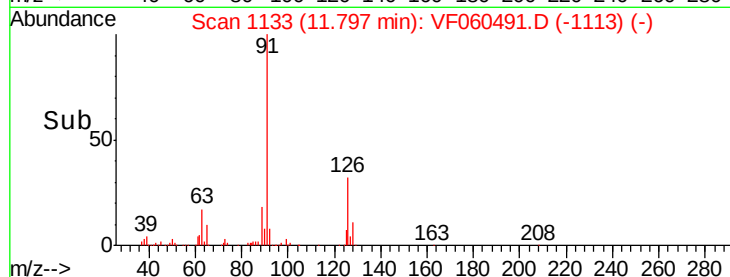
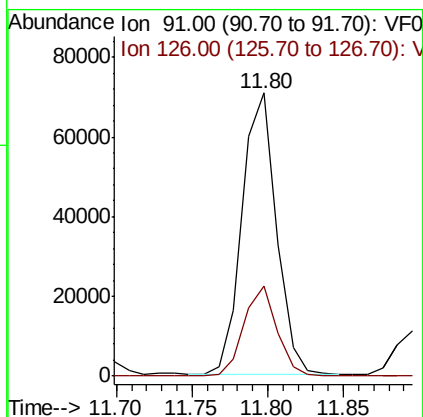
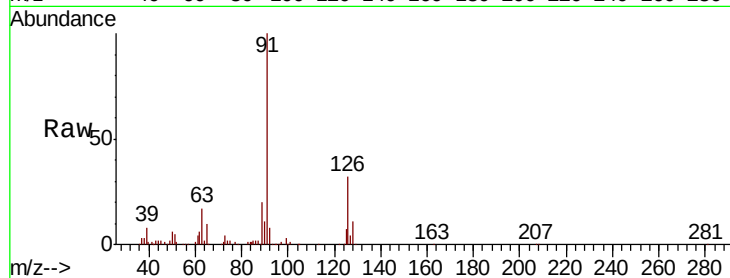
126 31.8 16.1 48.3

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#80

1,3,5-Trimethylbenzene

Concen: 10.084 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF060491.D

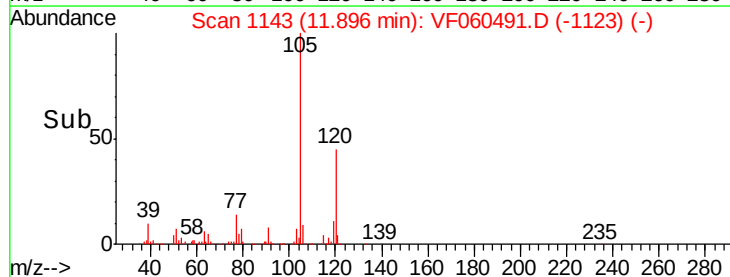
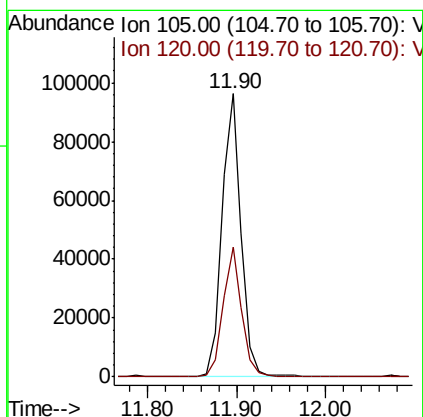
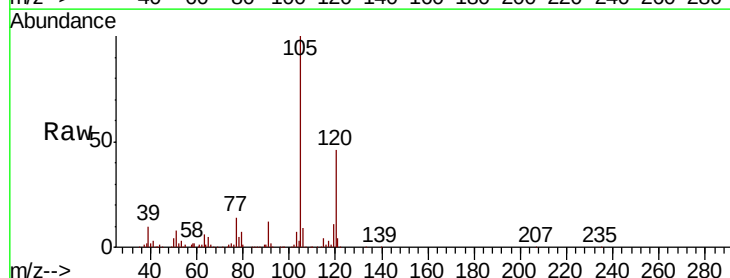
Acq: 9 Oct 2018 15:15

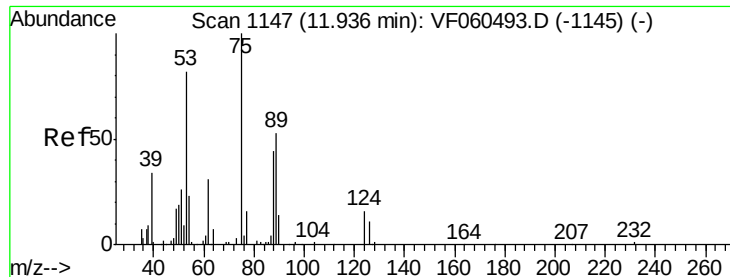
Tgt Ion: 105 Resp: 145331

Ion Ratio Lower Upper

105 100

120 45.8 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 7.842 ug/l m

RT: 11.94 min Scan# 1147

Delta R.T. -0.00 min

Lab File: VF060491.D

Acq: 9 Oct 2018 15:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 75 Resp: 7797

Ion Ratio Lower Upper

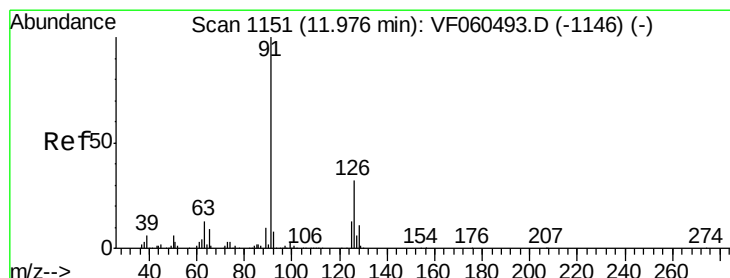
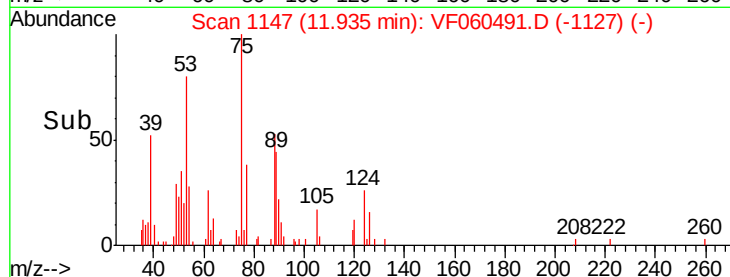
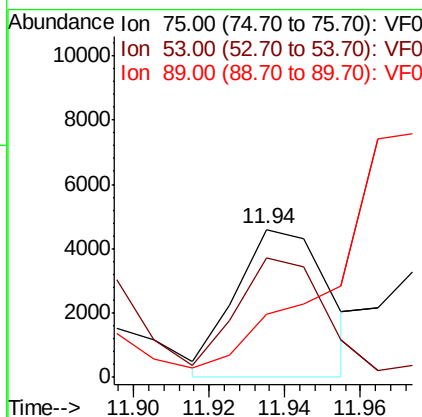
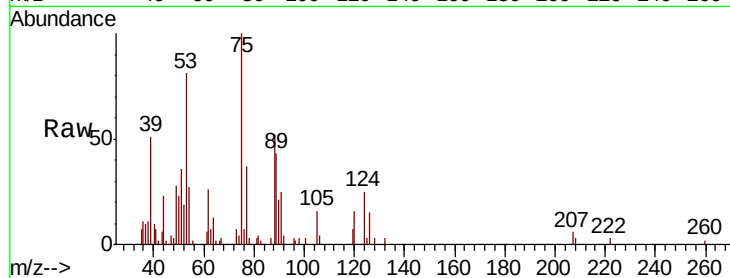
75 100

53 80.8 71.0 106.6

89 43.0 43.1 64.7#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 9.330 ug/l

RT: 11.97 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF060491.D

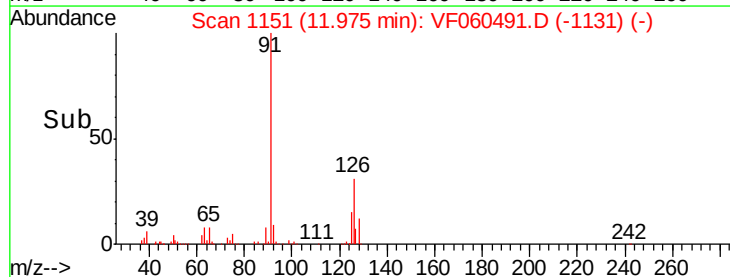
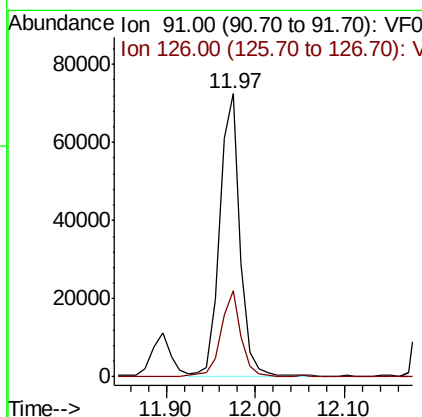
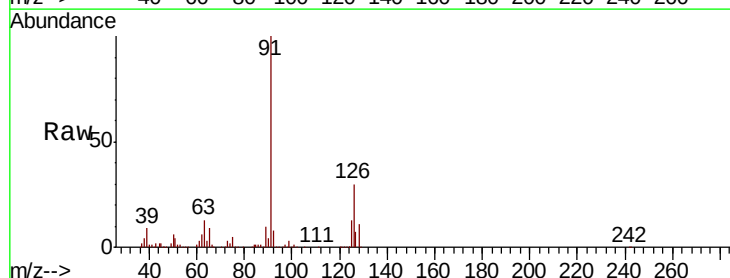
Acq: 9 Oct 2018 15:15

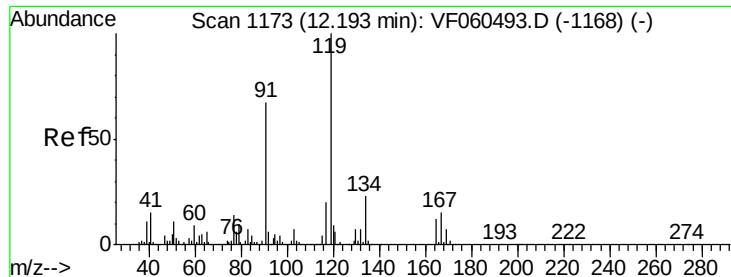
Tgt Ion: 91 Resp: 115588

Ion Ratio Lower Upper

91 100

126 30.4 16.0 47.9





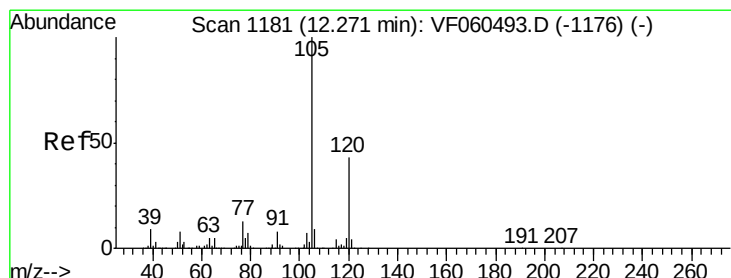
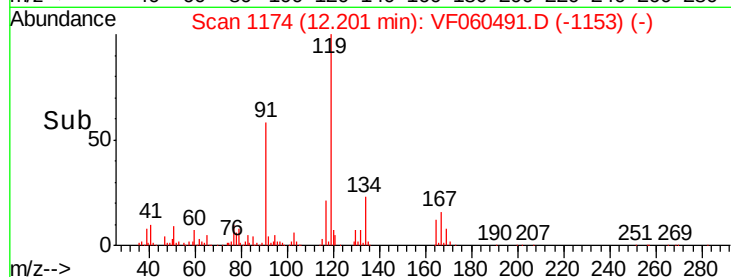
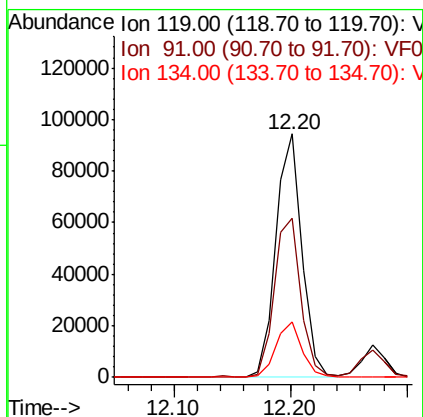
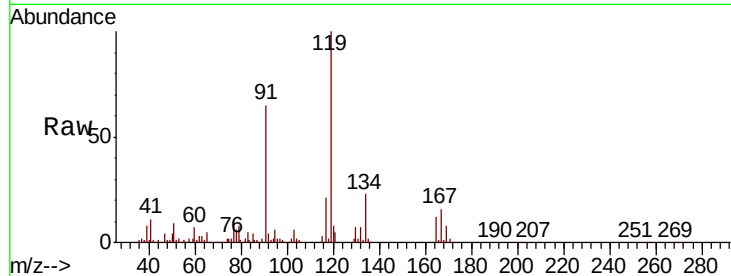
#83
tert-Butylbenzene
Concen: 10.285 ug/l
RT: 12.20 min Scan# 1174
Delta R.T. 0.01 min
Lab File: VF060491.D
Acq: 9 Oct 2018 15:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.2	33.6	100.8
134	22.7	11.5	34.5

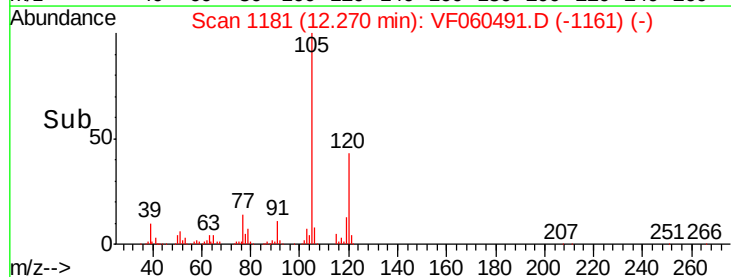
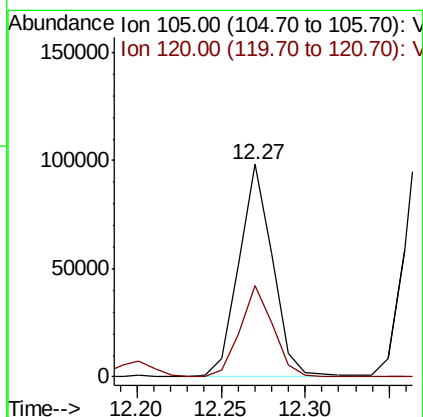
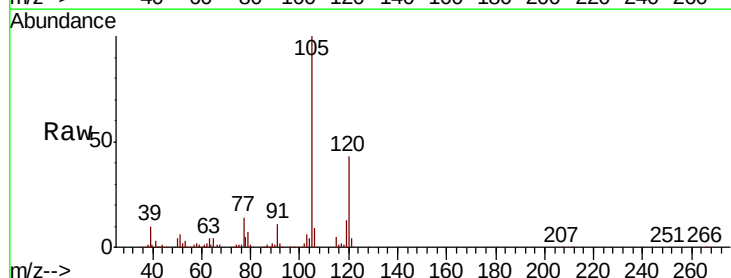
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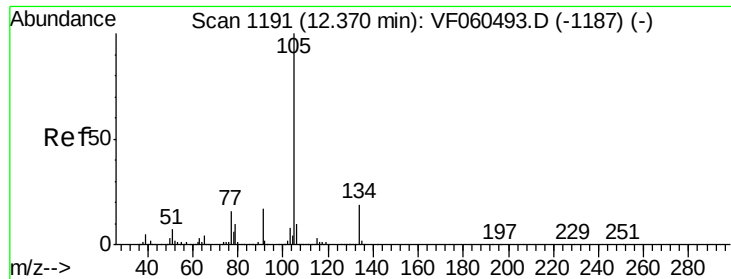
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#84
1,2,4-Trimethylbenzene
Concen: 9.519 ug/l
RT: 12.27 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VF060491.D
Acq: 9 Oct 2018 15:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.9	21.7	65.1





#85

sec-Butylbenzene

Concen: 9.854 ug/l

RT: 12.37 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VF060491.D

Acq: 9 Oct 2018 15:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 193817

Ion Ratio Lower Upper

105 100

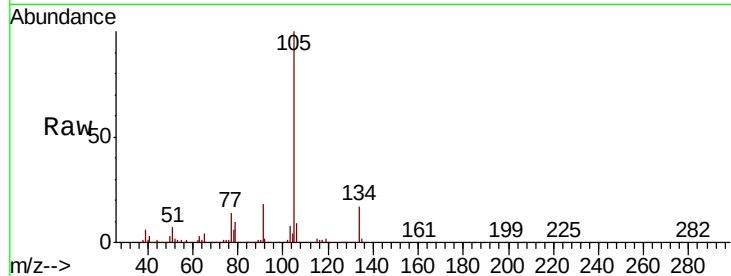
134 17.3 9.3 27.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

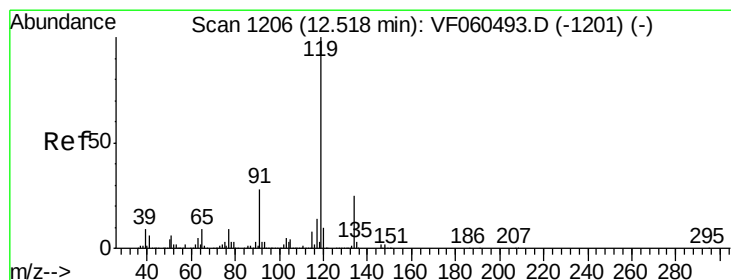
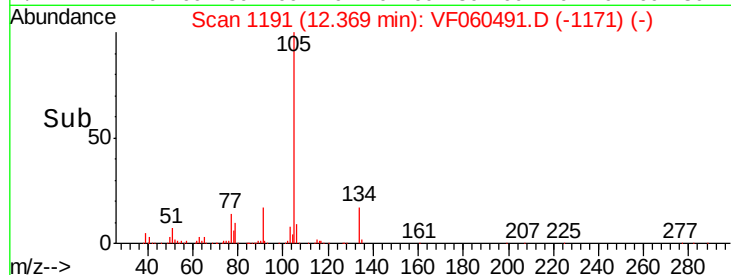
12.37

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 9.799 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. 0.01 min

Lab File: VF060491.D

Acq: 9 Oct 2018 15:15

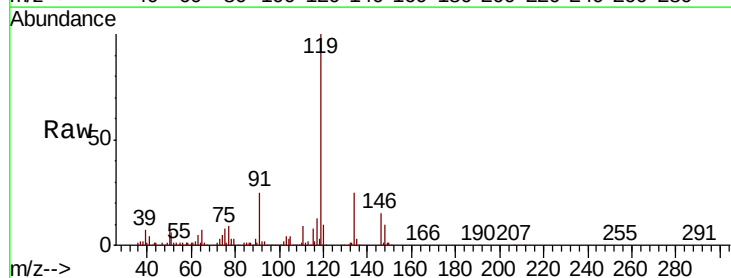
Tgt Ion:119 Resp: 157490

Ion Ratio Lower Upper

119 100

134 24.8 12.6 37.6

91 25.0 14.1 42.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

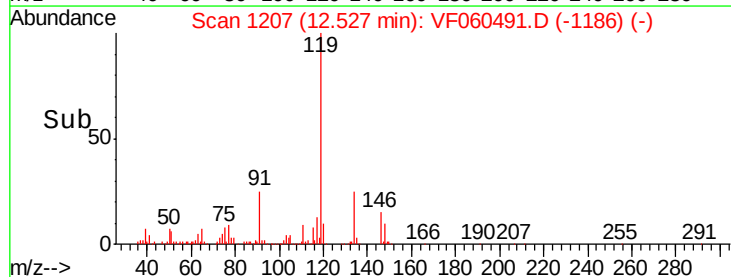
12.53

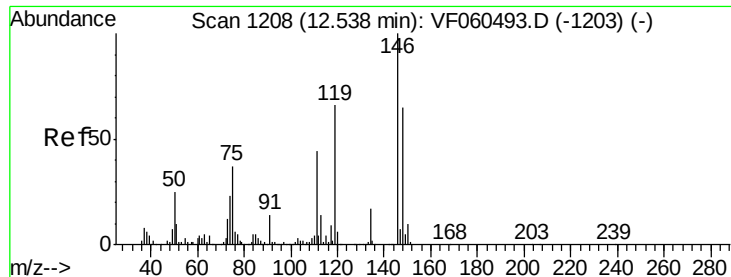
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 10.084 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF060491.D

Acq: 9 Oct 2018 15:15

Instrument :

MSVOA_F

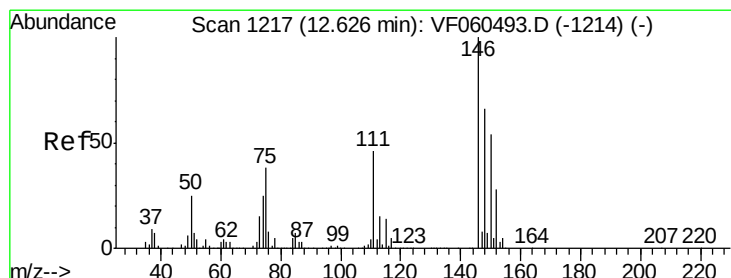
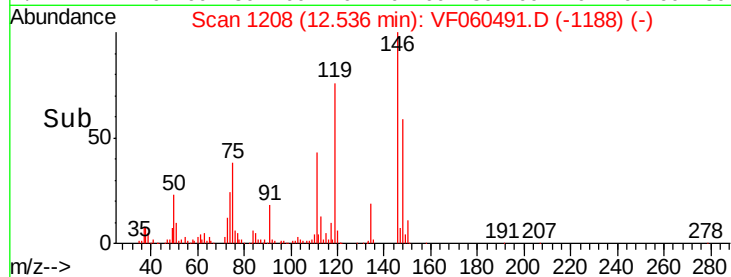
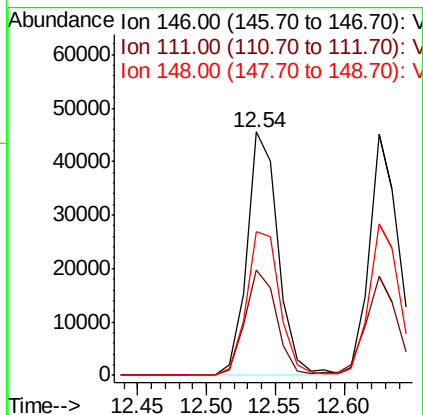
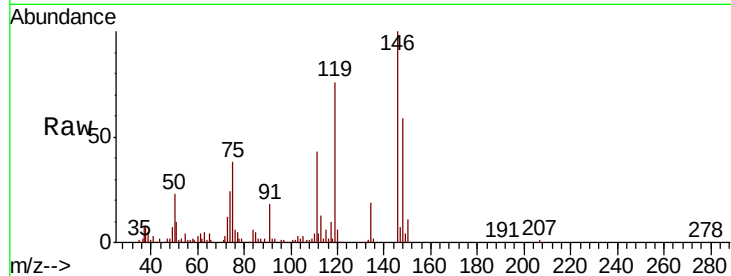
ClientSampleId :

VSTDIC010

Tot Ion:	146	Resp:	72269
Ion Ratio	Lower	Upper	
146	100		
111	43.3	22.2	66.6
148	59.1	32.7	98.1

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 9.550 ug/l

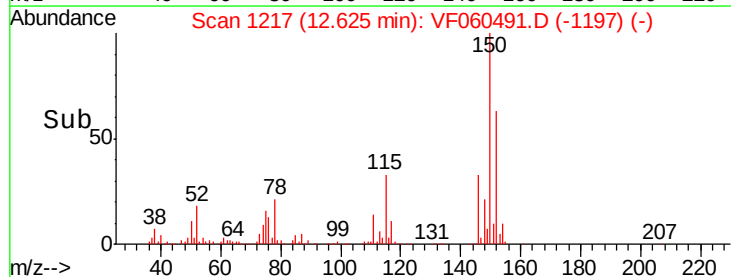
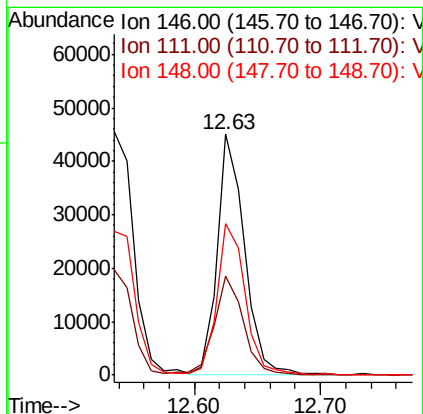
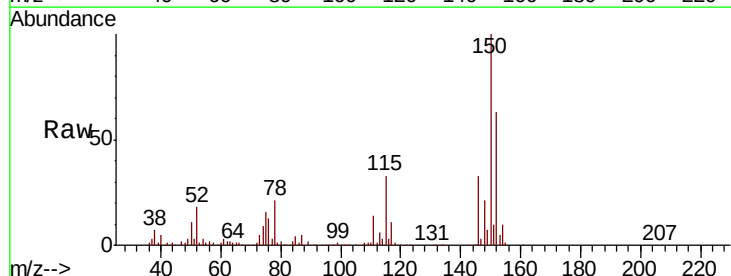
RT: 12.63 min Scan# 1217

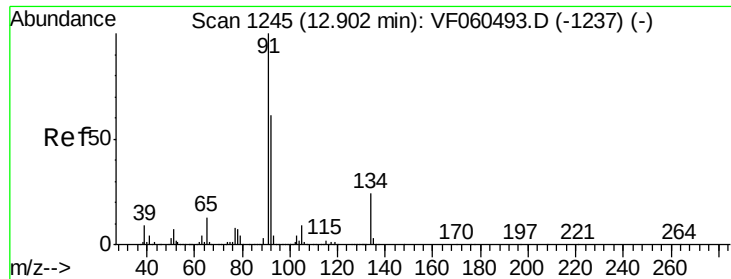
Delta R.T. -0.00 min

Lab File: VF060491.D

Acq: 9 Oct 2018 15:15

Tgt Ion:	146	Resp:	67328
Ion Ratio	Lower	Upper	
146	100		
111	41.3	23.2	69.6
148	63.2	33.3	99.9





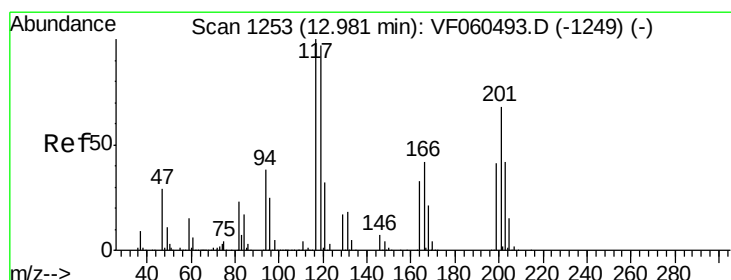
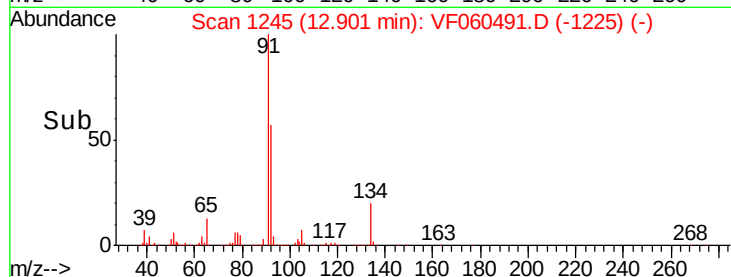
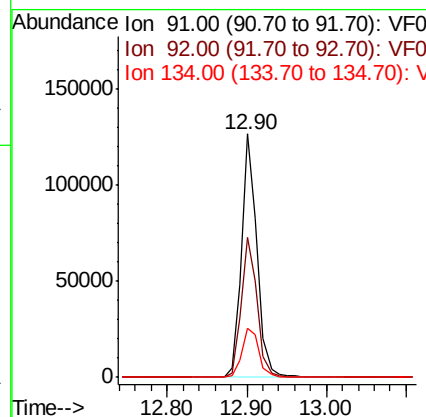
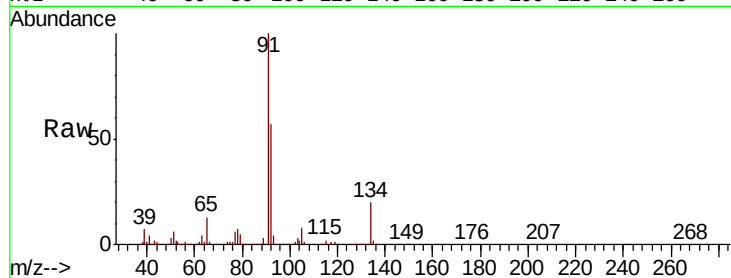
#89
n-Butylbenzene
Concen: 10.213 ug/l
RT: 12.90 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VF060491.D
Acq: 9 Oct 2018 15:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.2	30.8	92.3
134	20.0	12.1	36.3

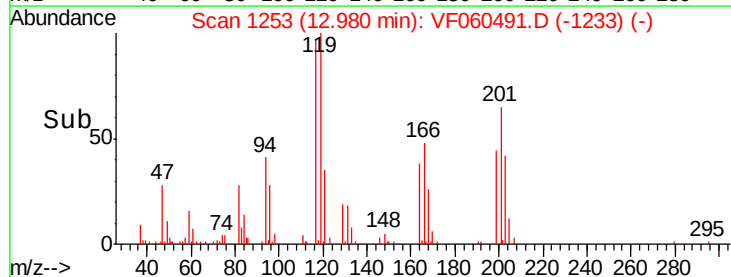
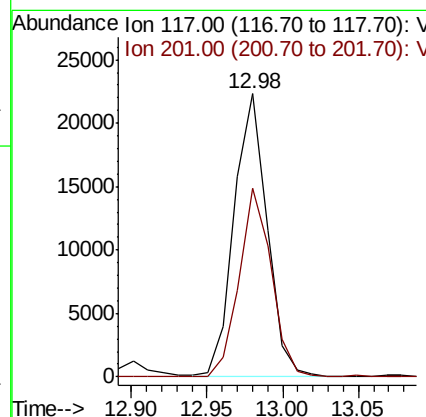
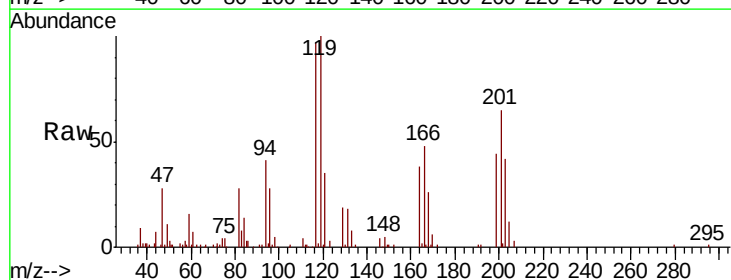
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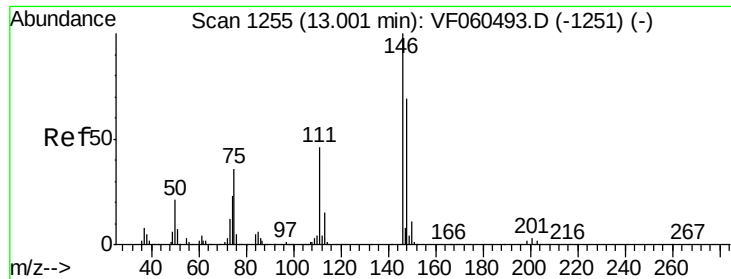
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#90
Hexachloroethane
Concen: 8.249 ug/l
RT: 12.98 min Scan# 1253
Delta R.T. -0.00 min
Lab File: VF060491.D
Acq: 9 Oct 2018 15:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.6	34.0	102.0





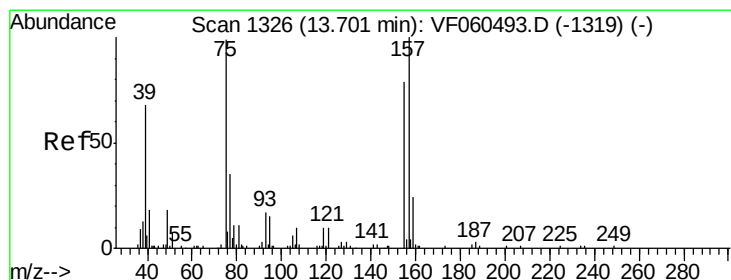
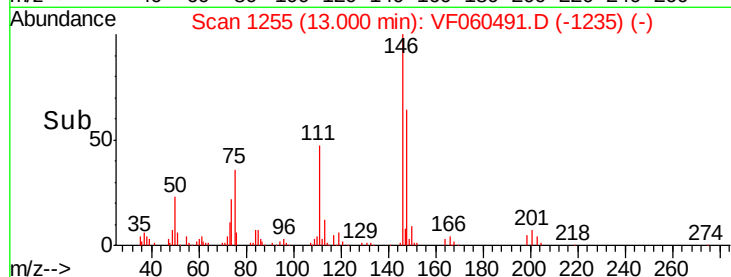
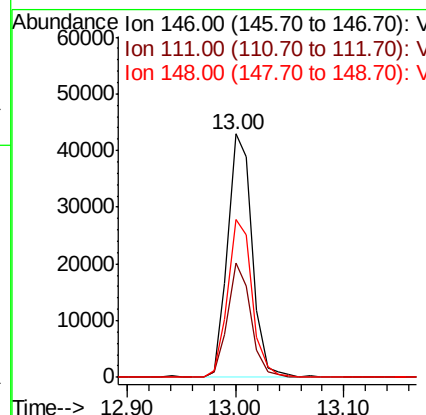
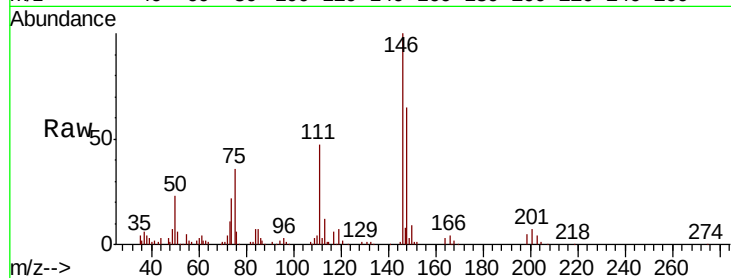
#91
 1,2-Dichlorobenzene
 Concen: 9.904 ug/l
 RT: 13.00 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VF060491.D
 Acq: 9 Oct 2018 15:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
146	100			
111	46.8	22.9	68.7	
148	64.8	34.5	103.5	

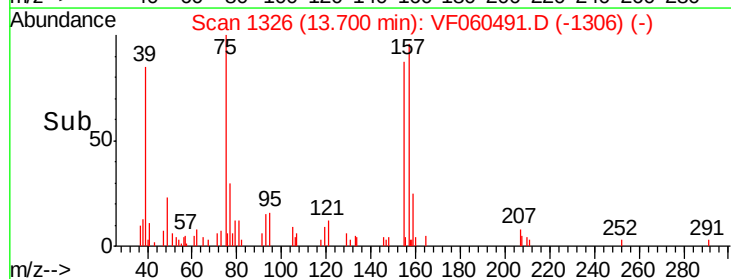
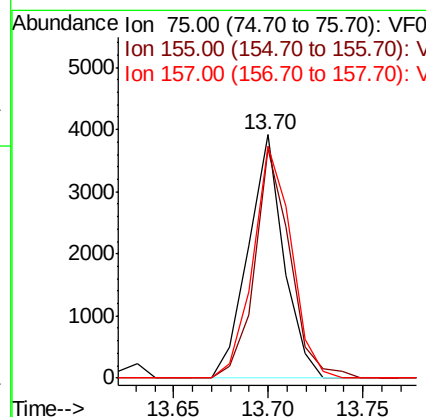
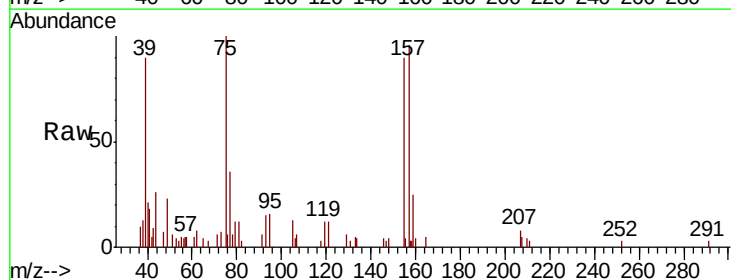
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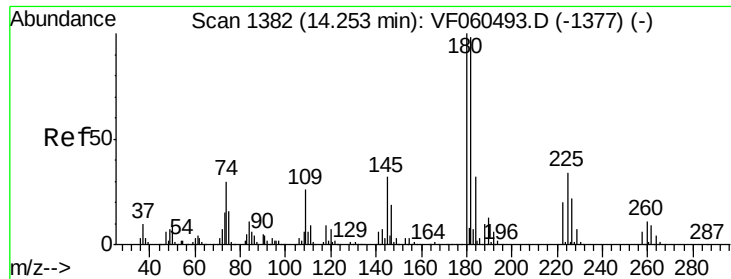
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 8.331 ug/l
 RT: 13.70 min Scan# 1326
 Delta R.T. -0.00 min
 Lab File: VF060491.D
 Acq: 9 Oct 2018 15:15

Tgt Ion	Ion	Ratio	Lower	Upper
75	100			
155	94.4	40.6	121.7	
157	98.3	50.8	152.5	





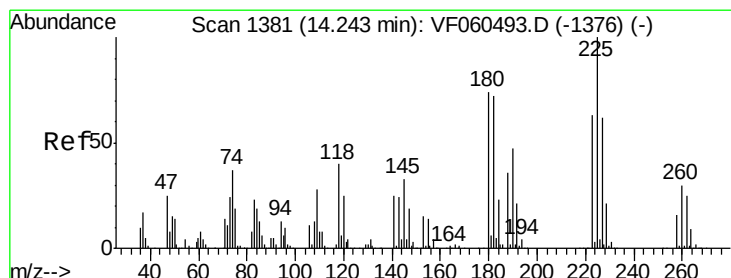
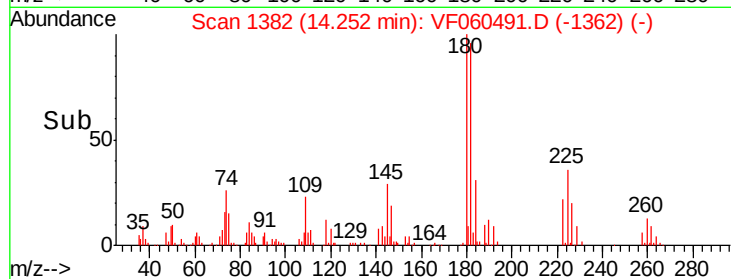
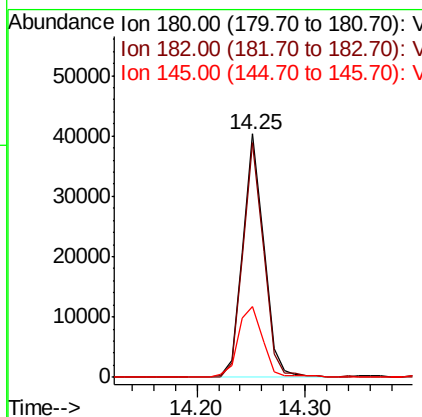
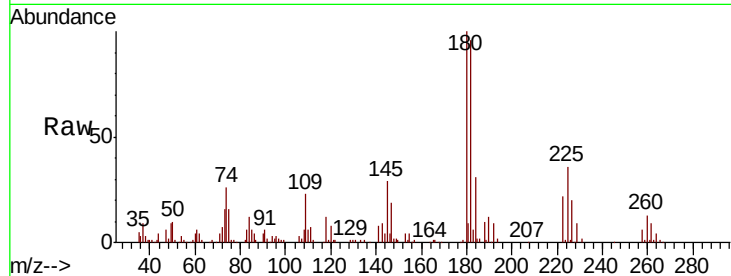
#93
 1,2,4-Trichlorobenzene
 Concen: 10.731 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VF060491.D
 Acq: 9 Oct 2018 15:15

Instrument :
 MSVOA_F
 ClientSampled :
 VSTDIC010

Tot Ion:	180	Resp:	55165
Ion Ratio	Lower	Upper	
180	100		
182	96.3	48.9	146.8
145	29.0	16.2	48.5

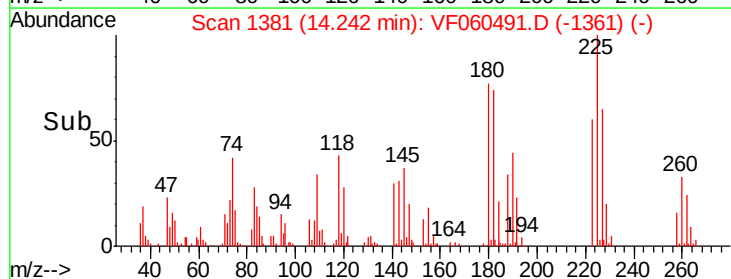
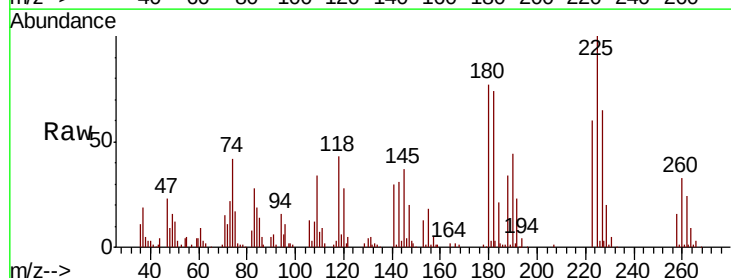
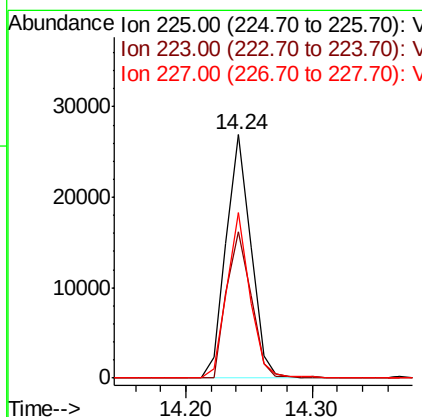
Manual Integrations
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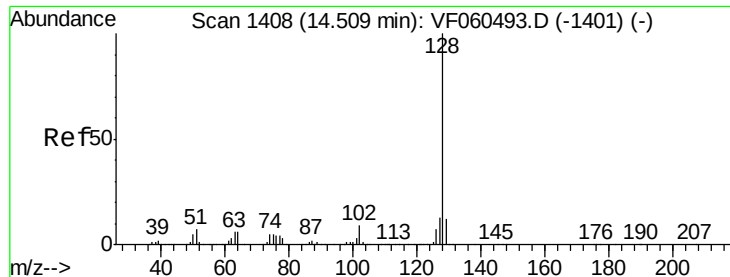
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#94
 Hexachlorobutadiene
 Concen: 10.148 ug/l
 RT: 14.24 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VF060491.D
 Acq: 9 Oct 2018 15:15

Tgt Ion:	225	Resp:	36685
Ion Ratio	Lower	Upper	
225	100		
223	59.9	31.4	94.2
227	67.8	30.9	92.7





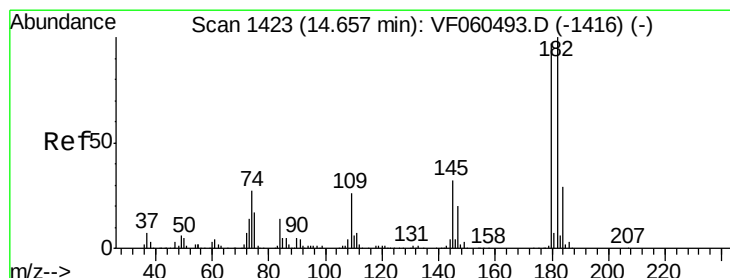
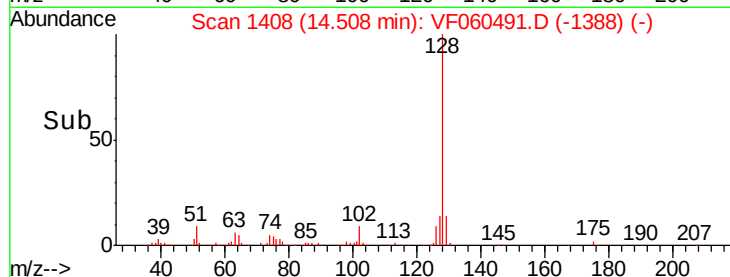
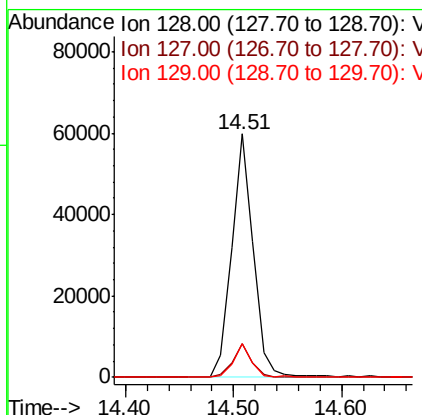
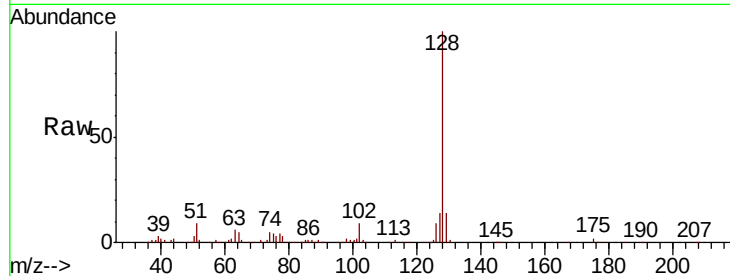
#95
Naphthalene
Concen: 9.101 ug/l
RT: 14.51 min Scan# 1408
Delta R.T. -0.00 min
Lab File: VF060491.D
Acq: 9 Oct 2018 15:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.2	15.2
129	13.8	9.2	13.8

Manual Integrations
APPROVED

apatel
10/10/2018 12:33:43 PM



#96
1,2,3-Trichlorobenzene
Concen: 9.779 ug/l
RT: 14.66 min Scan# 1423
Delta R.T. -0.00 min
Lab File: VF060491.D
Acq: 9 Oct 2018 15:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.0	51.3	153.9
145	31.5	16.4	49.2

