

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092118\
 Data File : VF060314.D
 Acq On : 21 Sep 2018 14:13
 Operator : VA/AP
 Sample : VF0921SBSD01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0921SBSD01

Manual Integrations
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 9/24/2018 2:28:41 PM

Quant Time: Sep 21 14:54:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	251104	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	427324	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	374808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	193888	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	172797	51.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.22%	
35) Dibromofluoromethane	4.28	113	185155	48.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.22%	
50) Toluene-d8	7.70	98	470629	47.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.88%	
62) 4-Bromofluorobenzene	11.50	95	212537	49.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.12%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.99	85	105952	25.072	ug/l	85
3) Chloromethane	1.13	50	80495	23.524	ug/l	98
4) Vinyl Chloride	1.18	62	78299	22.452	ug/l	95
5) Bromomethane	1.34	94	55825	24.853	ug/l	99
6) Chloroethane	1.42	64	37100	22.338	ug/l	95
7) Trichlorofluoromethane	1.53	101	160365	24.683	ug/l	93
8) Diethyl Ether	1.70	74	24162	22.353	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.89	101	80230	23.220	ug/l	96
10) Methyl Iodide	1.96	142	133076	23.883	ug/l	97
11) Tert butyl alcohol	2.67	59	24392	120.611	ug/l	95
12) 1,1-Dichloroethene	1.85	96	70012	24.501	ug/l	98
13) Acrolein	2.08	56	11099	156.907	ug/l	99
14) Allyl chloride	2.18	41	111073	22.275	ug/l	95
15) Acrylonitrile	3.06	53	49757	104.195	ug/l	91
16) Acetone	2.33	43	105319	110.604	ug/l	94
17) Carbon Disulfide	1.89	76	213470	26.489	ug/l	98
18) Methyl Acetate	2.45	43	30734	19.374	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	156205	21.927	ug/l	93
20) Methylene Chloride	2.27	84	83072	29.209	ug/l	85
21) trans-1,2-Dichloroethene	2.41	96	70591	23.918	ug/l	97
22) Diisopropyl ether	2.91	45	219257	23.305	ug/l	95
23) Vinyl Acetate	3.33	43	411353	111.323	ug/l	100
24) 1,1-Dichloroethane	2.99	63	140394	23.009	ug/l	99
25) 2-Butanone	4.50	43	137426	107.223	ug/l	96
26) 2,2-Dichloropropane	3.75	77	88575	25.442	ug/l	98
27) cis-1,2-Dichloroethene	3.62	96	87538	22.577	ug/l	88
28) Bromochloromethane	3.88	49	50202	21.133	ug/l	85
29) Tetrahydrofuran	4.23	42	49264	104.961	ug/l	99
30) Chloroform	4.03	83	167656	22.772	ug/l	98
31) Cyclohexane	3.86	56	112949	21.915	ug/l	94
32) 1,1,1-Trichloroethane	4.26	97	142433	24.518	ug/l	96
36) 1,1-Dichloropropene	4.45	75	127448	23.910	ug/l	94
37) Ethyl Acetate	4.27	43	44742	19.838	ug/l #	80
38) Carbon Tetrachloride	4.16	117	141685m	24.747	ug/l	

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	125386	21.704	ug/l	96
40) Benzene	4.79	78	265943	22.004	ug/l	98
41) Methacrylonitrile	4.90	41	25726	21.021	ug/l	98
42) 1,2-Dichloroethane	5.10	62	100550	22.602	ug/l	99
43) Isopropyl Acetate	7.10	43	58541	21.561	ug/l #	96
44) Trichloroethene	5.66	130	78707	21.881	ug/l	95
45) 1,2-Dichloropropane	6.39	63	69760	22.302	ug/l	98
46) Dibromomethane	6.24	93	46413	20.758	ug/l	95
47) Bromodichloromethane	6.54	83	115608	21.516	ug/l	94
48) Methyl methacrylate	6.85	41	38145	20.013	ug/l	95
49) 1,4-Dioxane	6.85	88	6411	376.500	ug/l #	62
51) 4-Methyl-2-Pentanone	8.39	43	214622	102.558	ug/l	97
52) Toluene	7.77	92	160896	21.043	ug/l	96
53) t-1,3-Dichloropropene	8.41	75	92977	21.452	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	116954	21.420	ug/l	95
55) 1,1,2-Trichloroethane	8.62	97	49809	21.463	ug/l	98
56) Ethyl methacrylate	8.75	69	59937	21.385	ug/l	94
57) 1,3-Dichloropropane	8.99	76	84252	21.926	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.76	63	28032	113.137	ug/l	100
59) 2-Hexanone	9.61	43	177603	119.196	ug/l	98
60) Dibromochloromethane	8.86	129	73001	21.106	ug/l	93
61) 1,2-Dibromoethane	9.12	107	52868	20.458	ug/l	86
64) Tetrachloroethene	8.29	164	72475	21.330	ug/l	93
65) Chlorobenzene	9.93	112	187738	22.100	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	77874	22.090	ug/l	94
67) Ethyl Benzene	10.03	91	357635	22.770	ug/l	99
68) m/p-Xylenes	10.25	106	242735	44.732	ug/l	96
69) o-Xylene	10.82	106	132509	21.771	ug/l	97
70) Styrene	10.90	104	183569	21.386	ug/l	97
71) Bromoform	10.88	173	39978	20.649	ug/l	96
73) Isopropylbenzene	11.22	105	400551	23.012	ug/l	97
74) N-amyl acetate	11.46	43	97271	26.207	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	68335	22.153	ug/l	92
76) 1,2,3-Trichloropropane	11.88	75	48623	22.014	ug/l	100
77) Bromobenzene	11.59	156	82517	21.998	ug/l	99
78) n-propylbenzene	11.67	91	479773	23.555	ug/l	98
79) 2-Chlorotoluene	11.80	91	269928	22.990	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	334024	23.840	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	21565m	18.475	ug/l	
82) 4-Chlorotoluene	11.98	91	277847	23.544	ug/l	99
83) tert-Butylbenzene	12.21	119	327967	23.091	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	330006	23.195	ug/l	97
85) sec-Butylbenzene	12.38	105	449907	22.628	ug/l	99
86) p-Isopropyltoluene	12.53	119	355785	22.579	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	162476	23.179	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	151810	21.912	ug/l	99
89) n-Butylbenzene	12.91	91	378415	22.132	ug/l	95
90) Hexachloroethane	12.99	117	91540	23.032	ug/l	94
91) 1,2-Dichlorobenzene	13.01	146	151877	22.713	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	12265	21.177	ug/l	85

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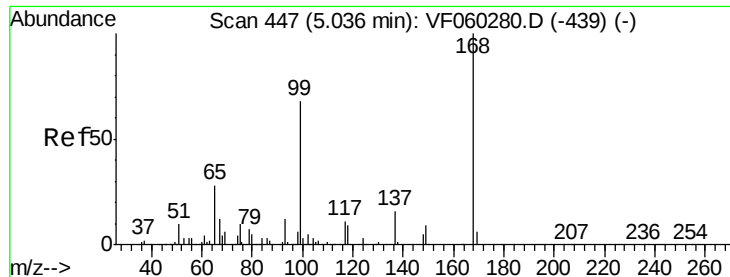
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	110563	22.749	ug/l	98
94) Hexachlorobutadiene	14.25	225	73943	22.506	ug/l	98
95) Naphthalene	14.51	128	196741	23.089	ug/l	97
96) 1,2,3-Trichlorobenzene	14.66	180	98847	22.010	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 446

Delta R.T. -0.01 min

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Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

Tot Ion:168 Resp: 251104

Ion Ratio Lower Upper

168 100

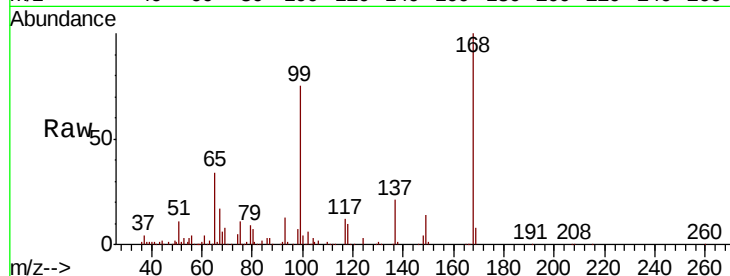
99 75.2 54.8 82.2

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

80000

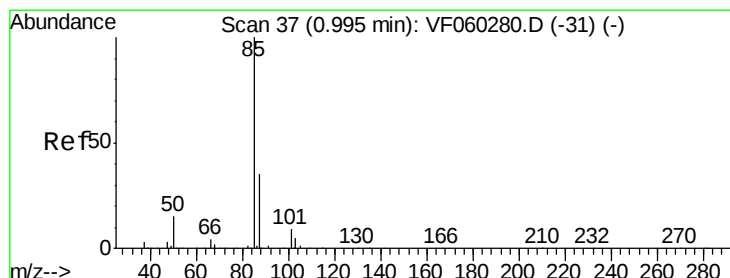
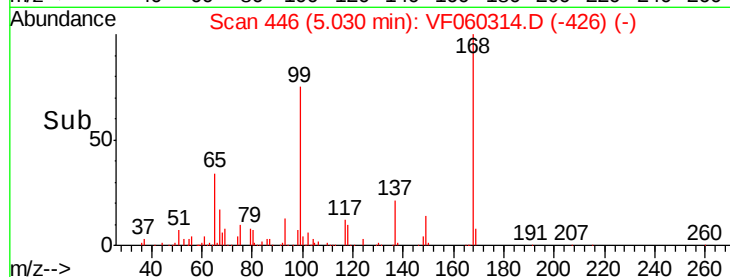
60000

40000

20000

0

Time--> 4.80 4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 25.072 ug/l

RT: 0.99 min Scan# 36

Delta R.T. -0.01 min

Lab File: VF060314.D

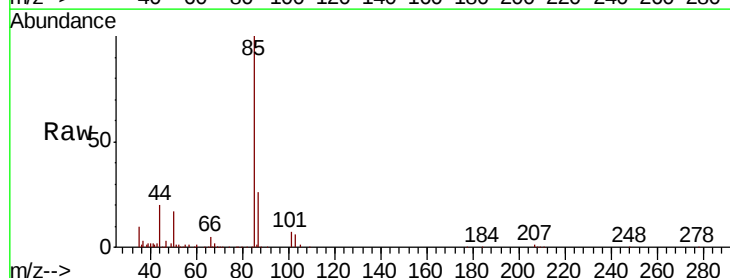
Acq: 21 Sep 2018 14:13

Tgt Ion: 85 Resp: 105952

Ion Ratio Lower Upper

85 100

87 26.3 17.3 52.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

50000

40000

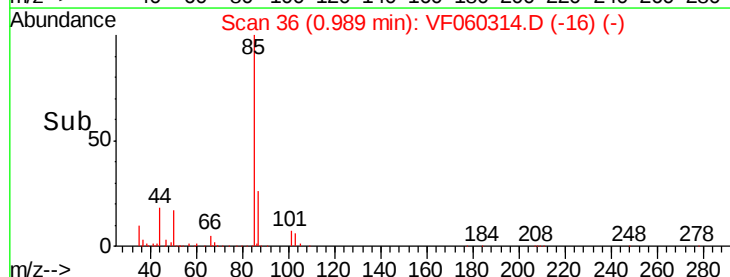
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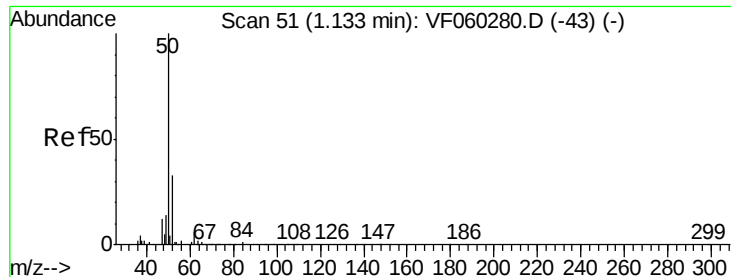
20000

10000

0

Time--> 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 23.524 ug/l

RT: 1.13 min Scan# 50

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

Tot Ion: 50 Resp: 80495

Ion Ratio Lower Upper

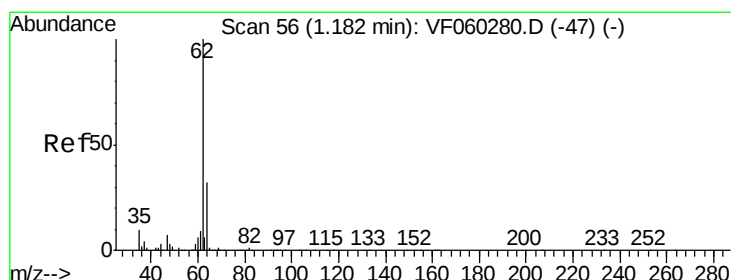
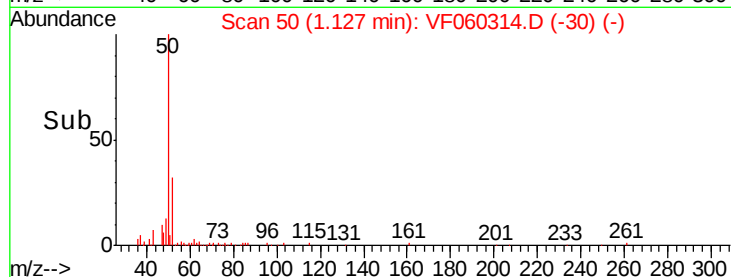
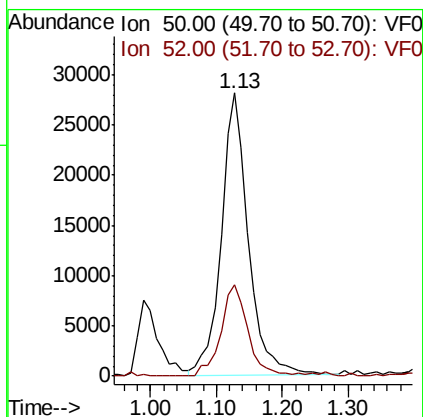
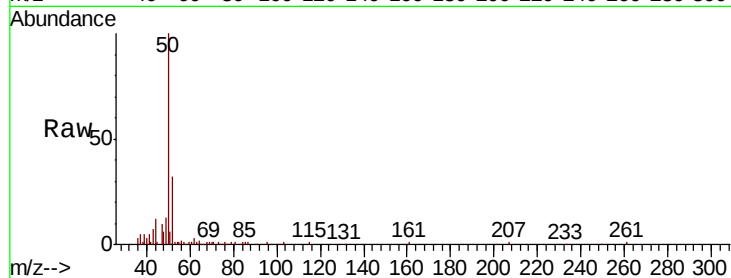
50 100

52 32.1 26.5 39.7

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#4

Vinyl Chloride

Concen: 22.452 ug/l

RT: 1.18 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060314.D

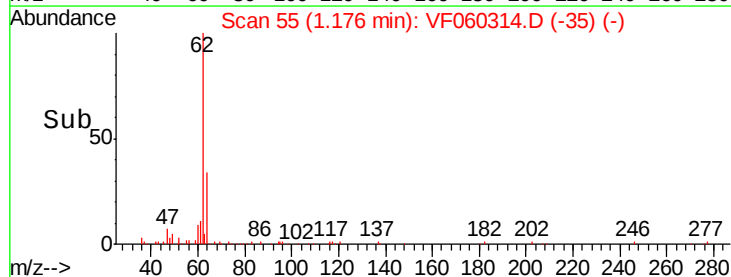
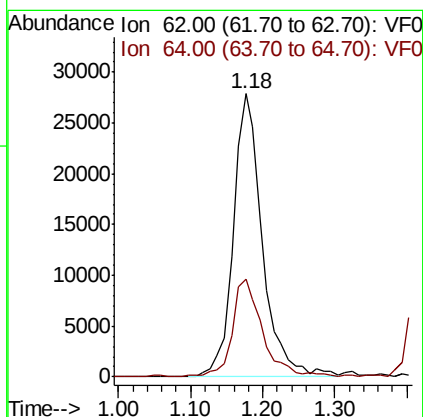
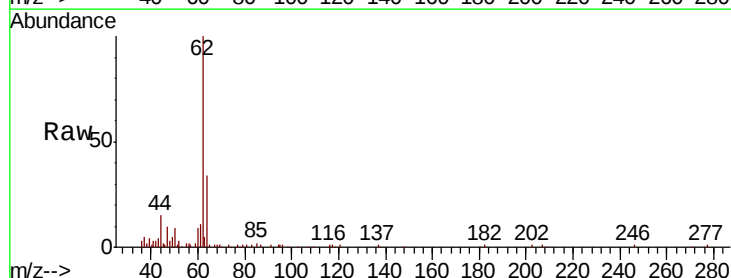
Acq: 21 Sep 2018 14:13

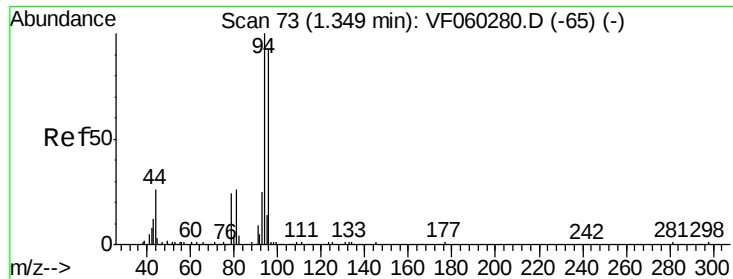
Tgt Ion: 62 Resp: 78299

Ion Ratio Lower Upper

62 100

64 34.4 25.2 37.8





#5

Bromomethane

Concen: 24.853 ug/l

RT: 1.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Tot Ion: 94 Resp: 55825

Ion Ratio Lower Upper

94 100

96 91.5 73.9 110.9

Instrument :

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ClientSampleId :

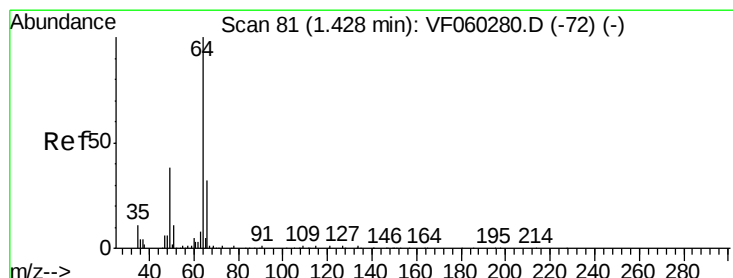
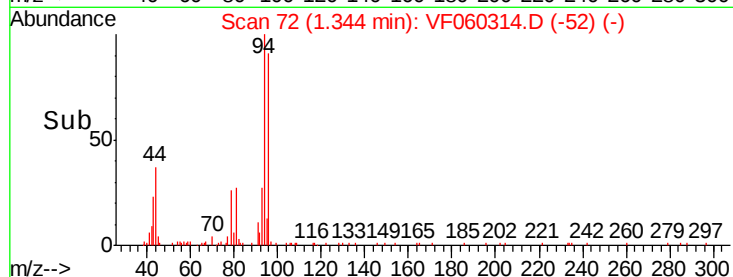
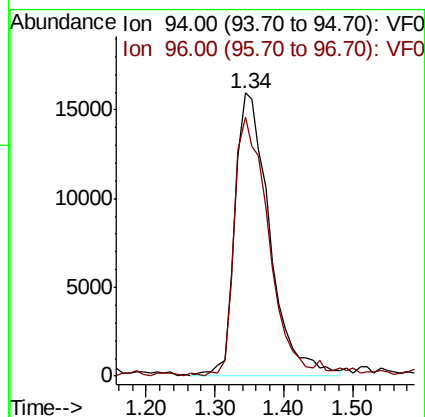
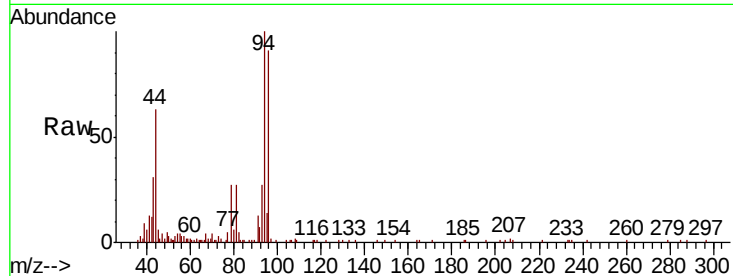
VF0921SBS01

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#6

Chloroethane

Concen: 22.338 ug/l

RT: 1.42 min Scan# 80

Delta R.T. -0.01 min

Lab File: VF060314.D

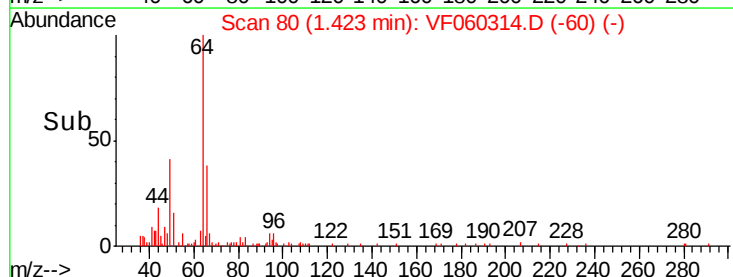
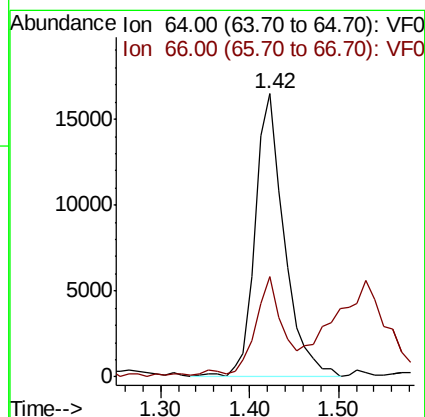
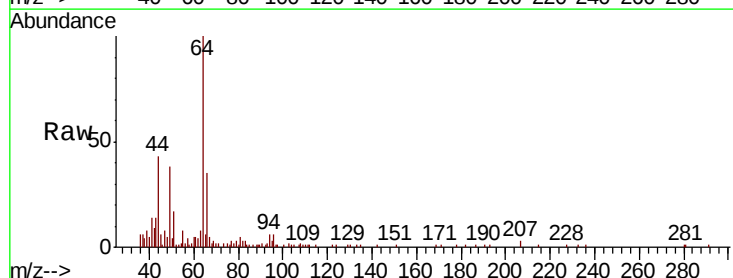
Acq: 21 Sep 2018 14:13

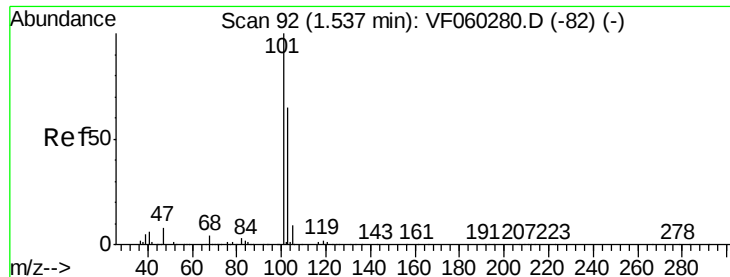
Tgt Ion: 64 Resp: 37100

Ion Ratio Lower Upper

64 100

66 35.3 26.2 39.2





#7

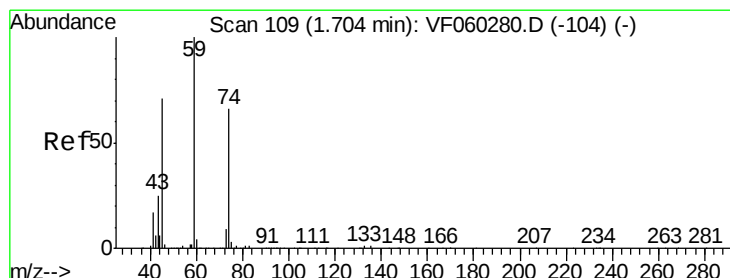
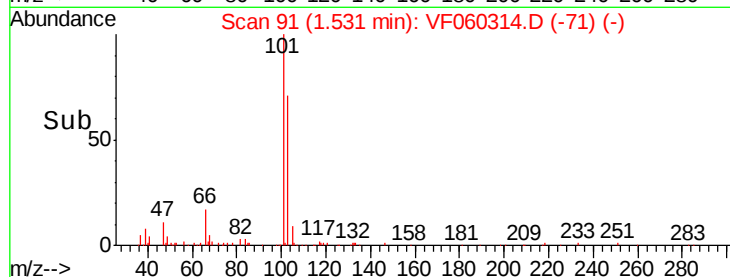
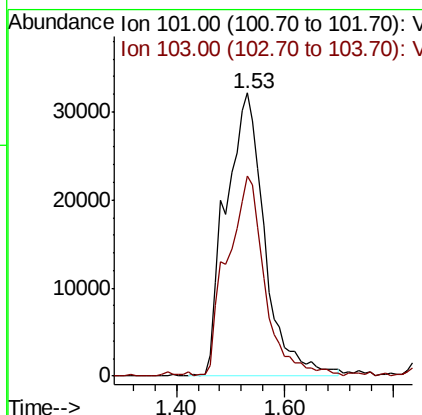
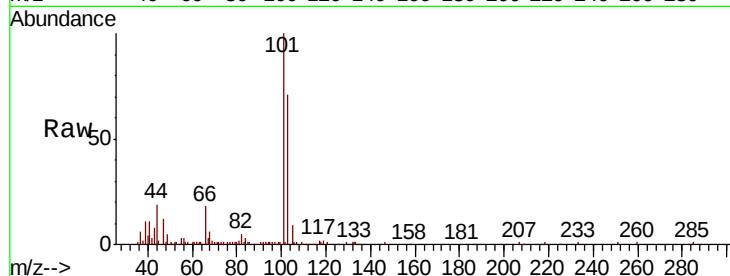
Trichlorofluoromethane
Concen: 24.683 ug/l
RT: 1.53 min Scan# 91
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

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ClientSampleId :
VF0921SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	70.5	52.0	78.0

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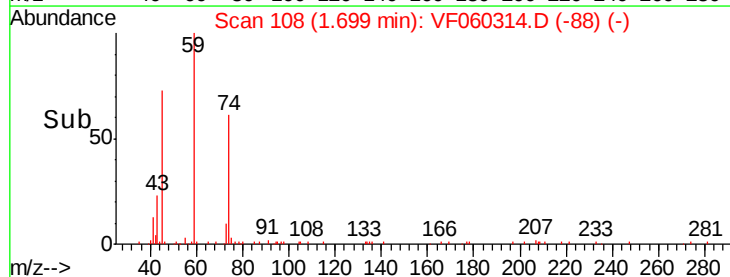
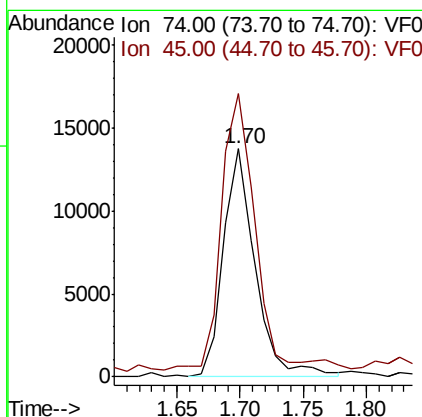
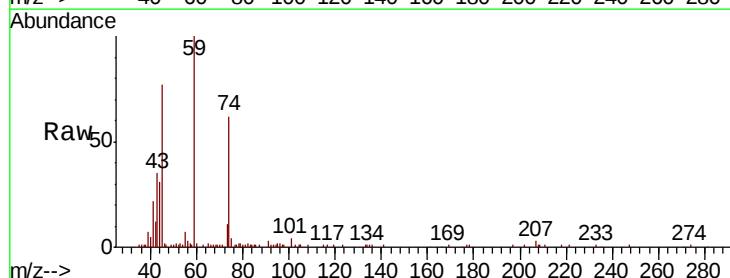
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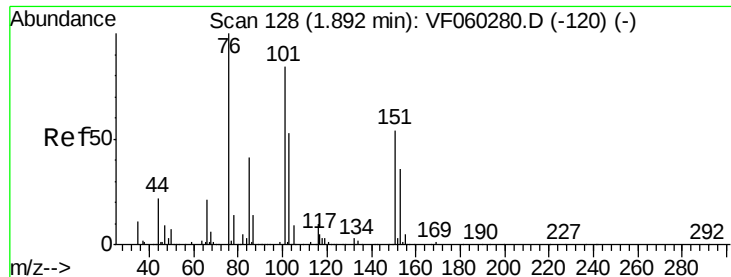


#8

Diethyl Ether
Concen: 22.353 ug/l
RT: 1.70 min Scan# 108
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	124.1	53.9	161.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.220 ug/l

RT: 1.89 min Scan# 127

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

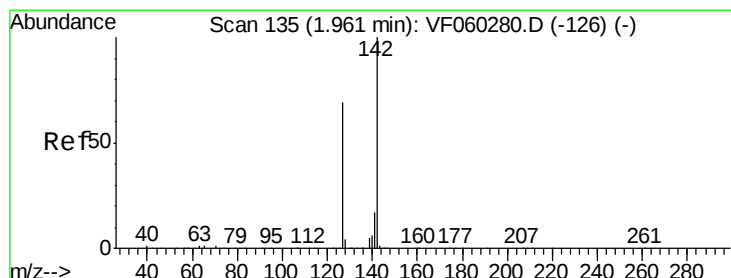
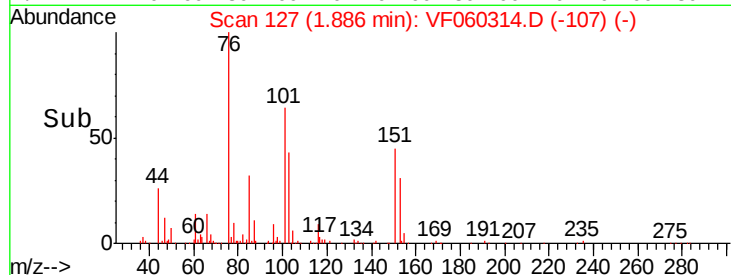
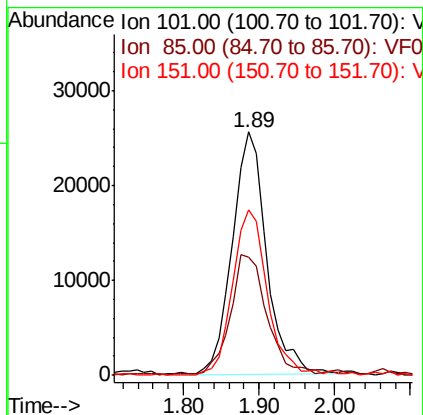
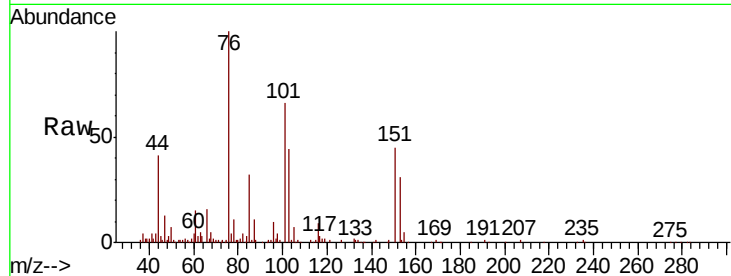
VF0921SBSD01

Tot Ion:	101	Resp:	80230
Ion Ratio	Lower	Upper	
101	100		
85	48.7	38.7	58.1
151	68.2	50.8	76.2

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#10

Methyl Iodide

Concen: 23.883 ug/l

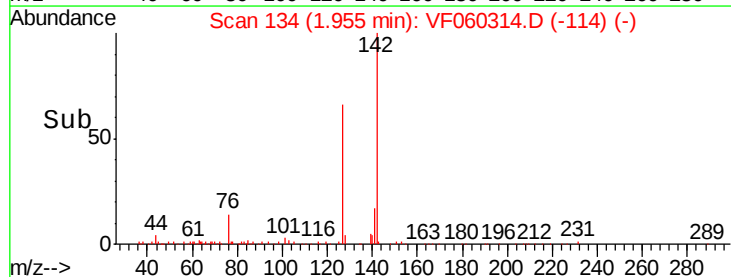
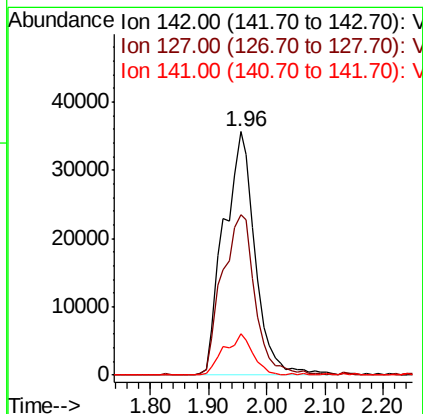
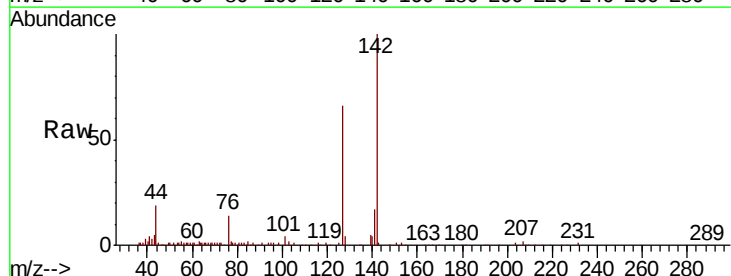
RT: 1.96 min Scan# 134

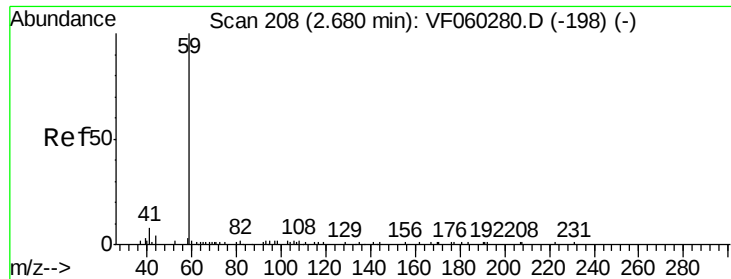
Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Tgt Ion:	142	Resp:	133076
Ion Ratio	Lower	Upper	
142	100		
127	66.1	55.4	83.0
141	16.9	13.3	19.9





#11

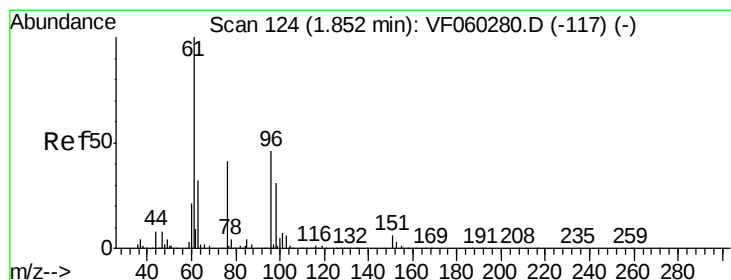
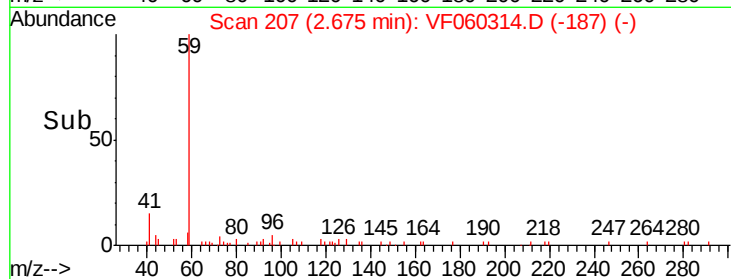
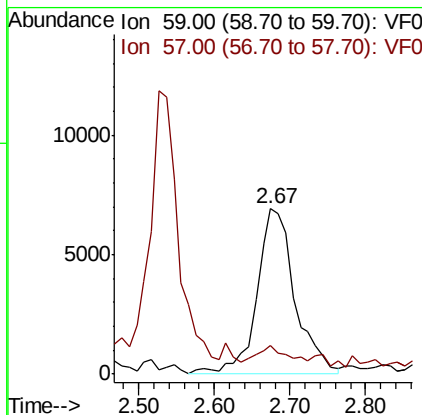
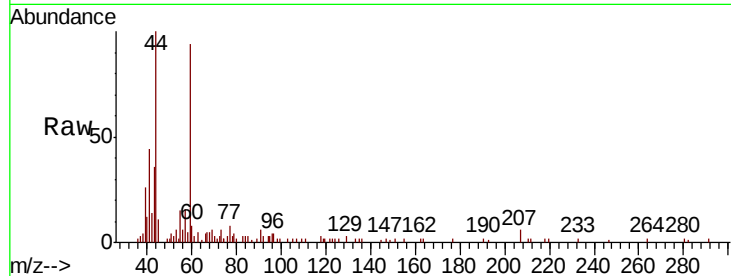
Tert butyl alcohol
 Concen: 120.611 ug/l
 RT: 2.67 min Scan# 207
 Delta R.T. -0.01 min
 Lab File: VF060314.D
 Acq: 21 Sep 2018 14:13

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0921SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	17.5	12.4	18.6

Manual Integrations
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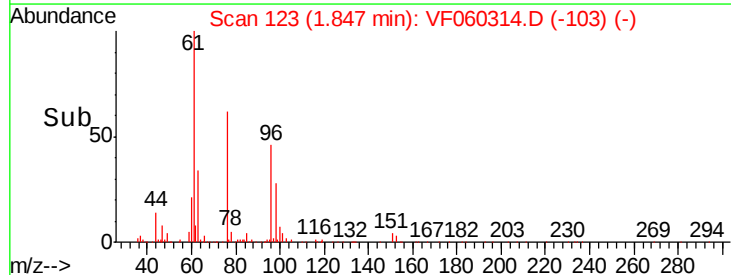
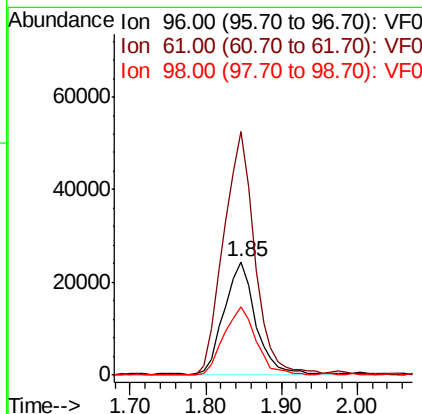
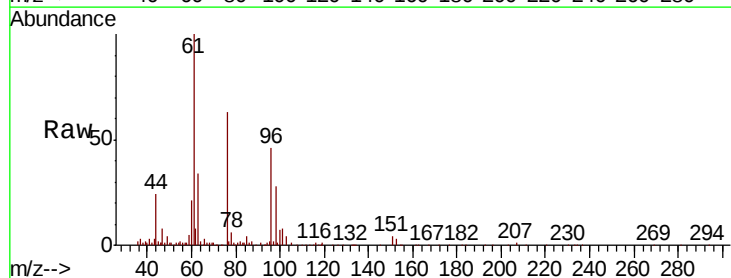
apatel
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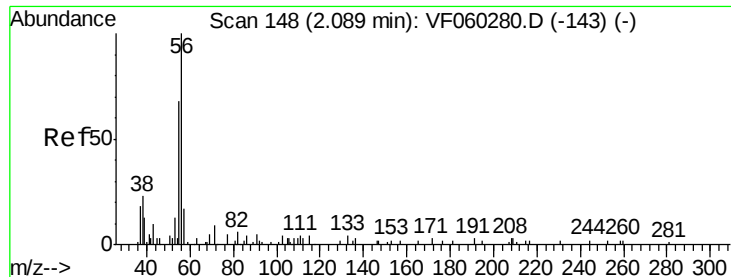


#12

1,1-Dichloroethene
 Concen: 24.501 ug/l
 RT: 1.85 min Scan# 123
 Delta R.T. -0.01 min
 Lab File: VF060314.D
 Acq: 21 Sep 2018 14:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	215.2	172.2	258.2
98	60.7	54.1	81.1





#13

Acrolein

Concen: 156.907 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.00 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBSD01

Tot Ion: 56 Resp: 11099

Ion Ratio Lower Upper

56 100

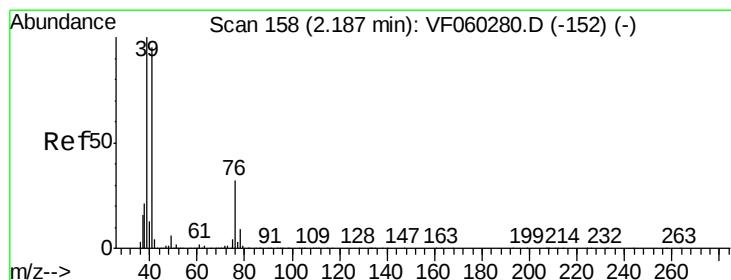
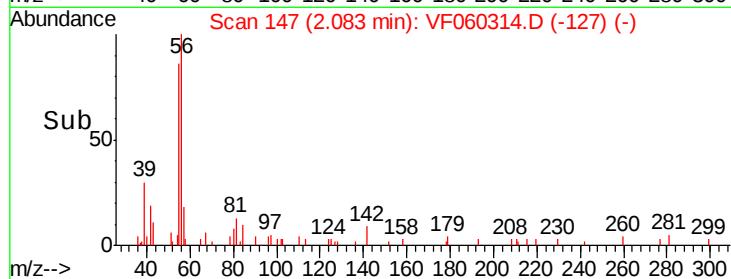
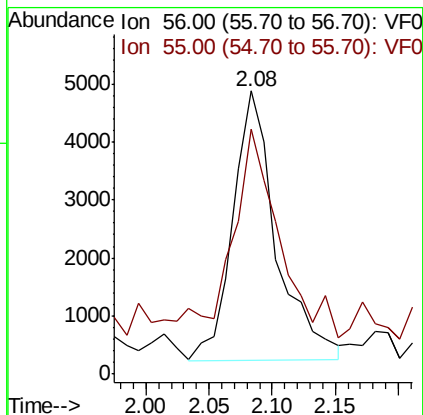
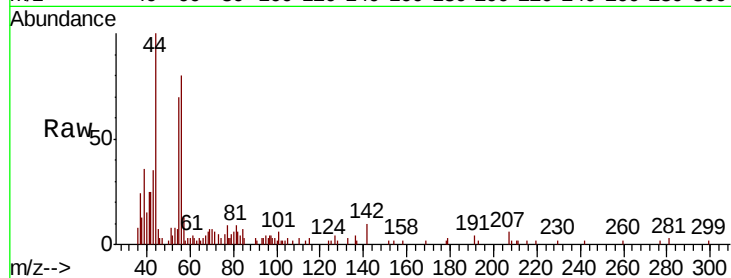
55 86.8 69.9 104.9

Manual Integrations

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#14

Allyl chloride

Concen: 22.275 ug/l

RT: 2.18 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

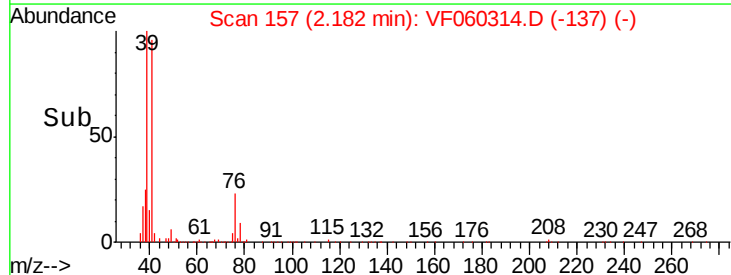
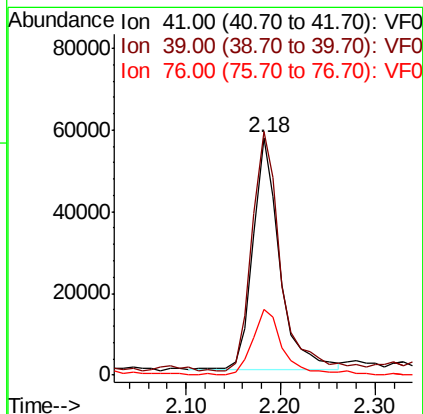
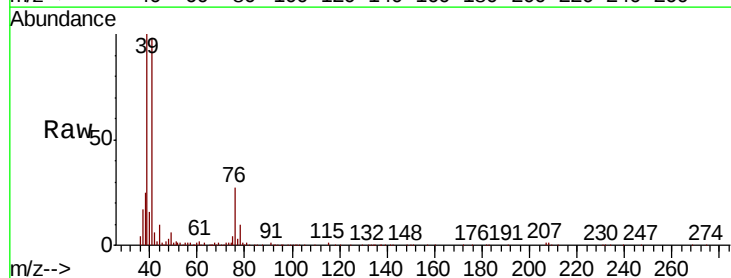
Tgt Ion: 41 Resp: 111073

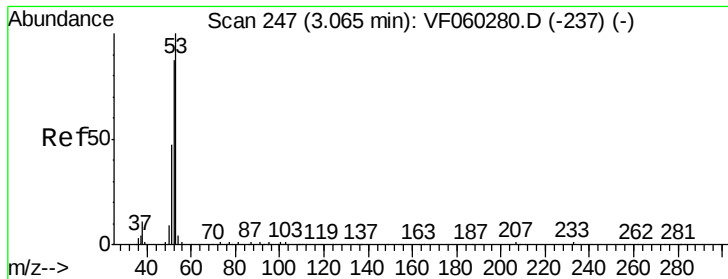
Ion Ratio Lower Upper

41 100

39 102.4 84.8 127.2

76 27.5 27.4 41.2





#15

Acrylonitrile

Concen: 104.195 ug/l

RT: 3.06 min Scan# 246

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

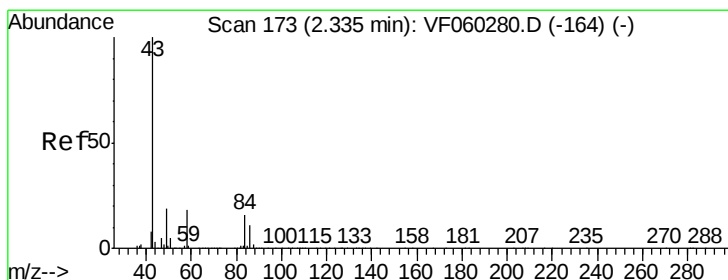
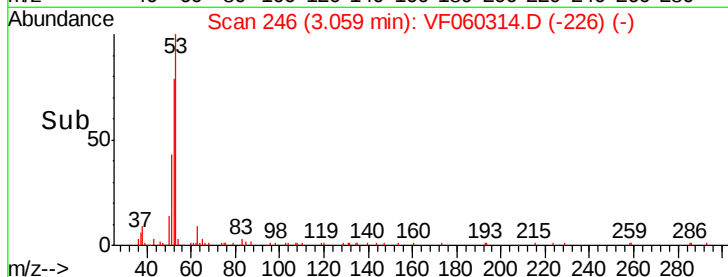
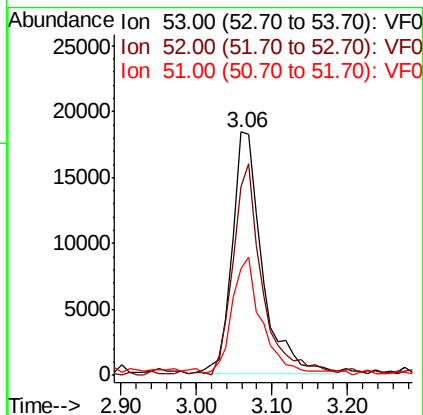
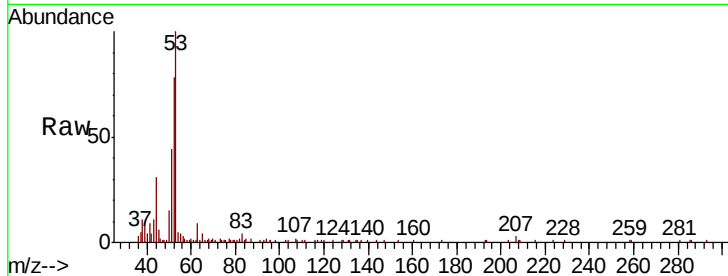
VF0921SBS01

Tot Ion:	53	Resp:	49757
Ion Ratio		Lower	Upper
53	100		
52	77.6	69.5	104.3
51	43.7	38.1	57.1

Manual Integrations
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#16

Acetone

Concen: 110.604 ug/l

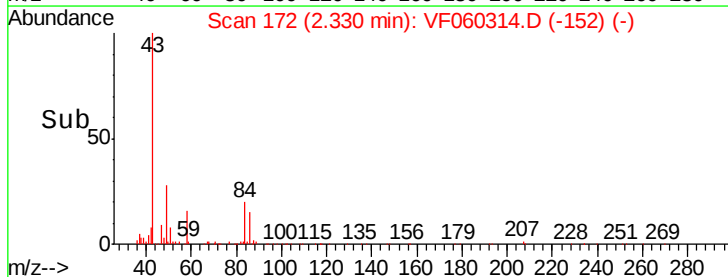
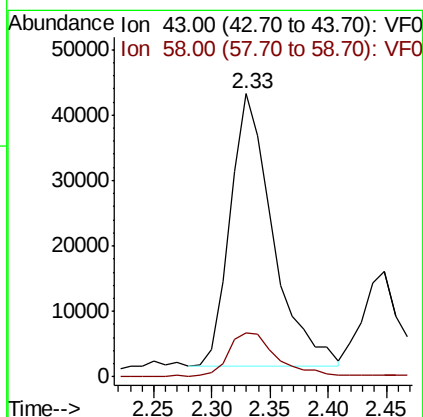
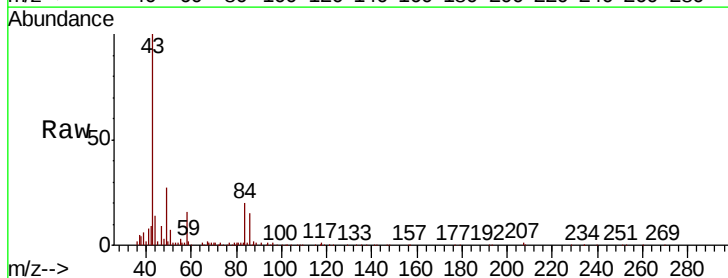
RT: 2.33 min Scan# 172

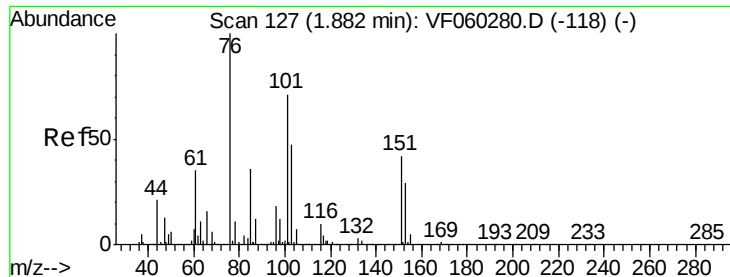
Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Tgt Ion:	43	Resp:	105319
Ion Ratio		Lower	Upper
43	100		
58	15.6	14.5	21.7





#17

Carbon Disulfide

Concen: 26.489 ug/l

RT: 1.89 min Scan# 127

Delta R.T. 0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBSD01

Tot Ion: 76 Resp: 213470

Ion Ratio Lower Upper

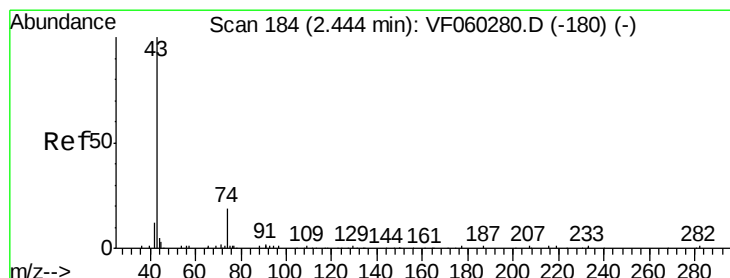
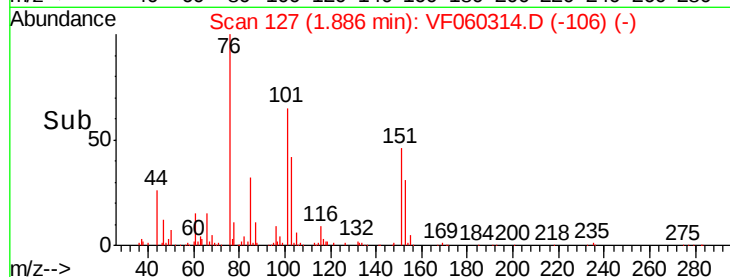
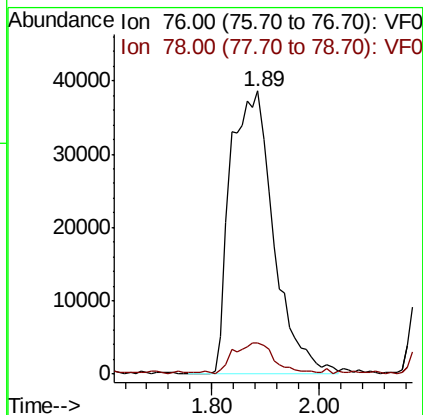
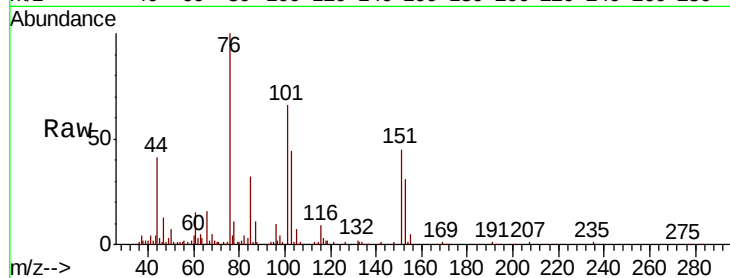
76 100

78 11.1 9.4 14.0

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#18

Methyl Acetate

Concen: 19.374 ug/l

RT: 2.45 min Scan# 184

Delta R.T. 0.00 min

Lab File: VF060314.D

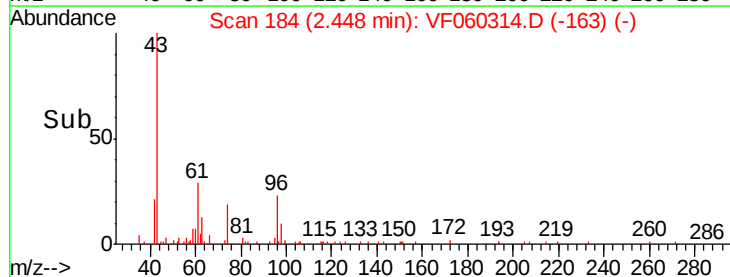
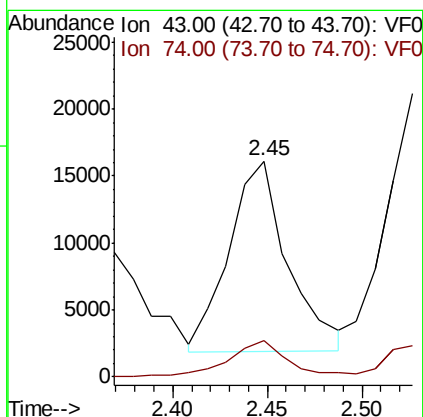
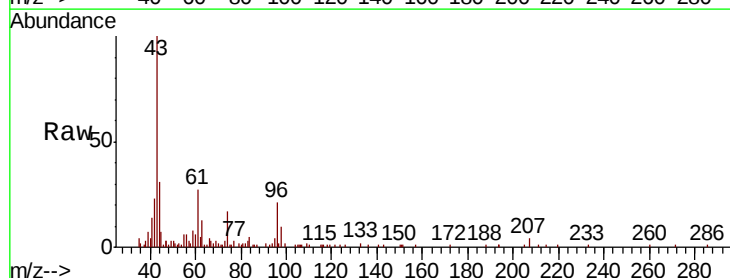
Acq: 21 Sep 2018 14:13

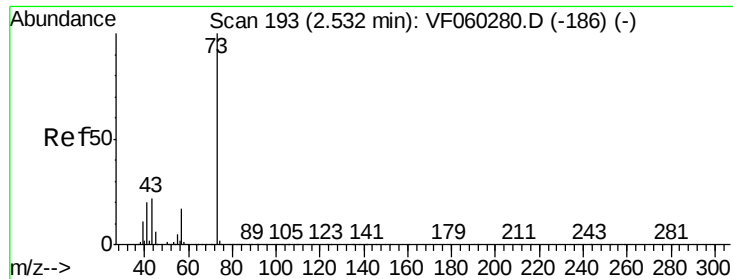
Tgt Ion: 43 Resp: 30734

Ion Ratio Lower Upper

43 100

74 17.0 12.7 19.1





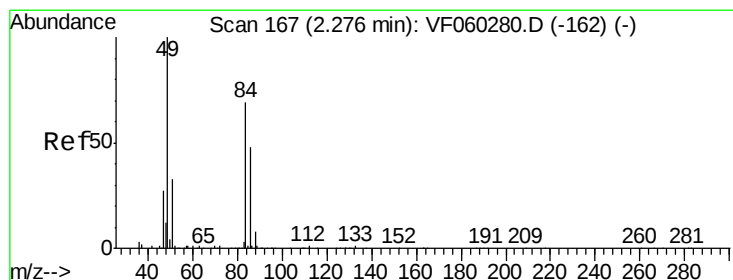
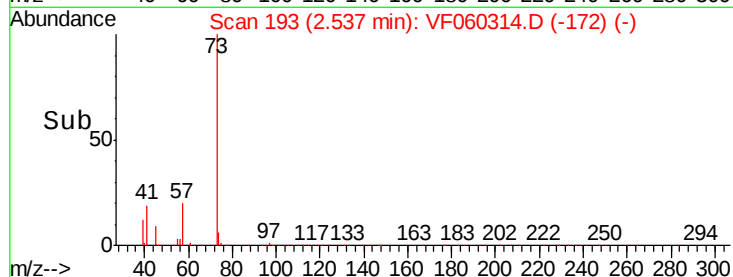
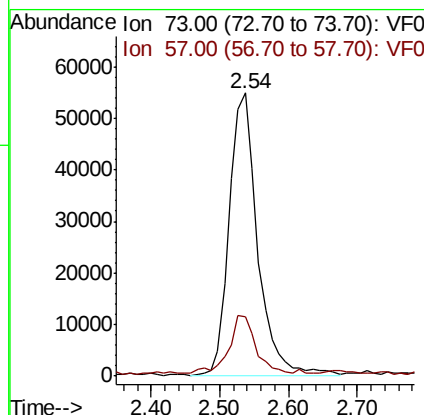
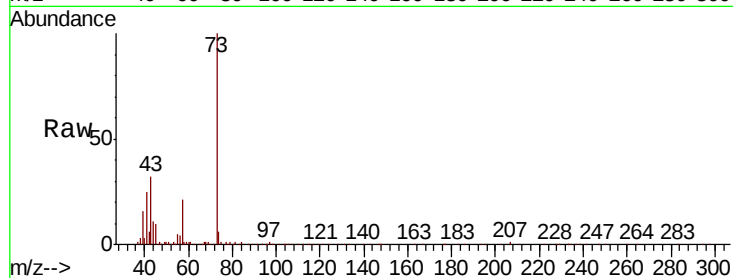
#19
Methvl tert-butvl Ether
Concen: 21.927 ug/l
RT: 2.54 min Scan# 193
Delta R.T. 0.00 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	14.5	21.7

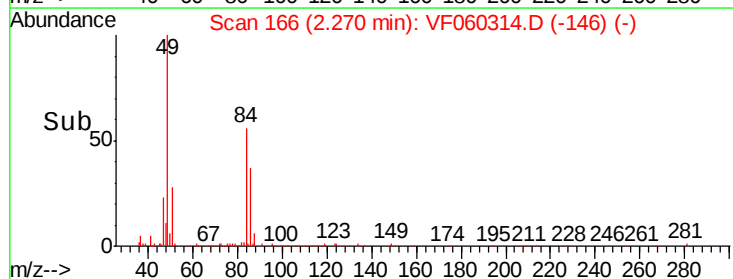
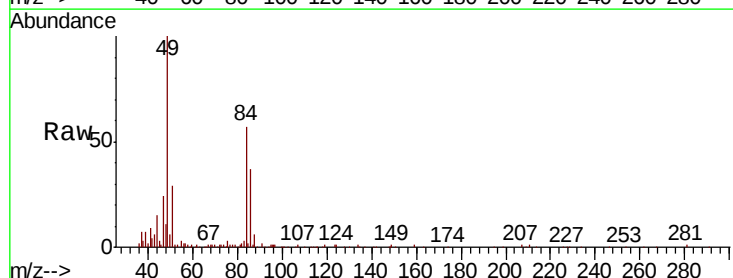
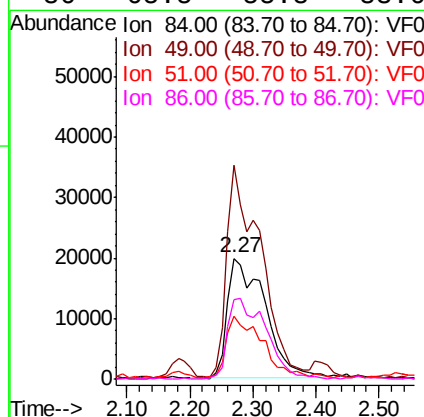
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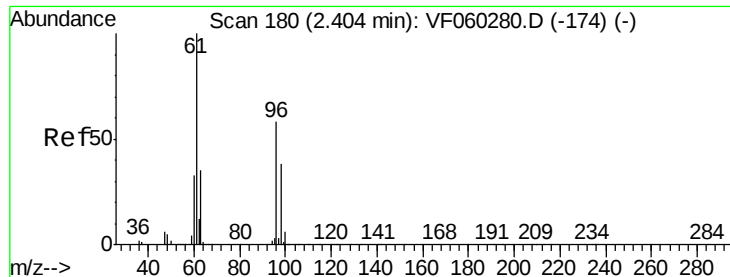
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#20
Methylene Chloride
Concen: 29.209 ug/l
RT: 2.27 min Scan# 166
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

Tgt Ion	Ratio	Lower	Upper
84	100		
49	176.6	118.3	177.5
51	51.8	38.7	58.1
86	65.5	55.8	83.6





#21

trans-1,2-Dichloroethene

Concen: 23.918 ug/l

RT: 2.41 min Scan# 180

Delta R.T. 0.00 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

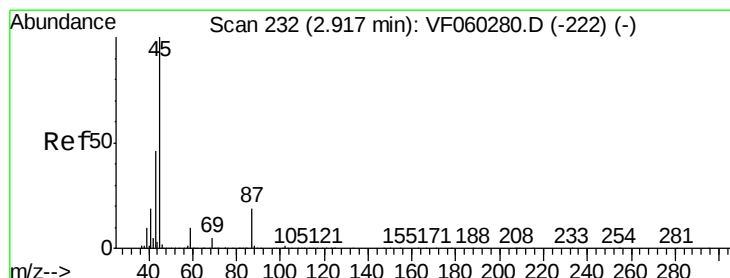
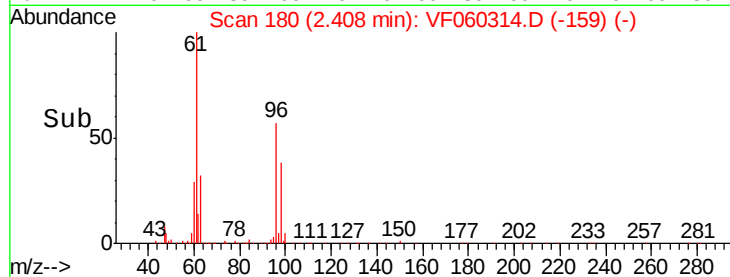
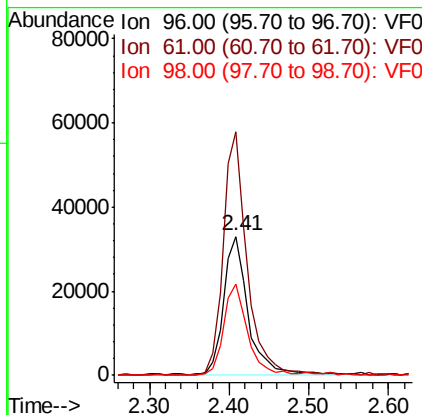
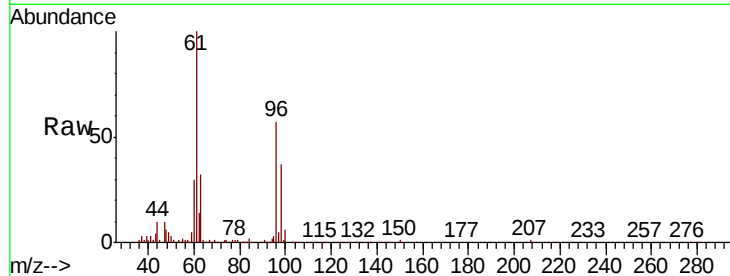
VF0921SBS01

Tot Ion:	96	Resp:	70591
Ion	Ratio	Lower	Upper
96	100		
61	175.3	136.4	204.6
98	65.7	51.8	77.6

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#22

Diisopropyl ether

Concen: 23.305 ug/l

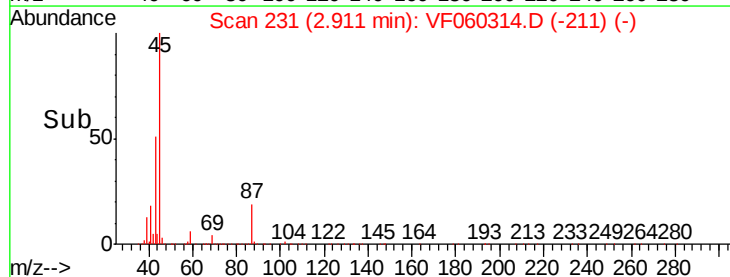
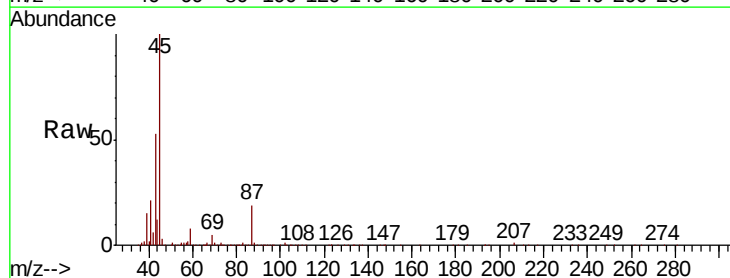
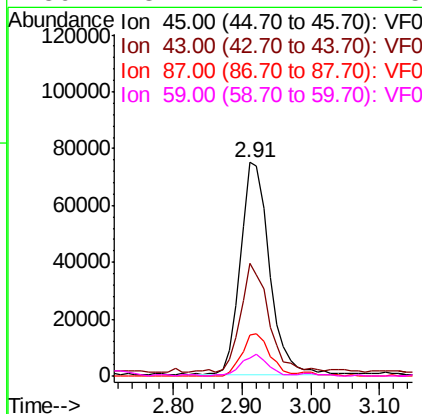
RT: 2.91 min Scan# 231

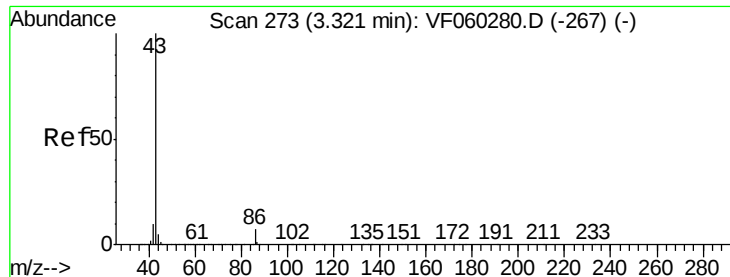
Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Tgt Ion:	45	Resp:	219257
Ion	Ratio	Lower	Upper
45	100		
43	53.0	38.2	57.2
87	19.1	15.5	23.3
59	8.4	7.7	11.5





#23

Vinyl Acetate

Concen: 111.323 ug/l

RT: 3.33 min Scan# 273

Delta R.T. 0.00 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS001

Tot Ion: 43 Resp: 411353

Ion Ratio Lower Upper

43 100

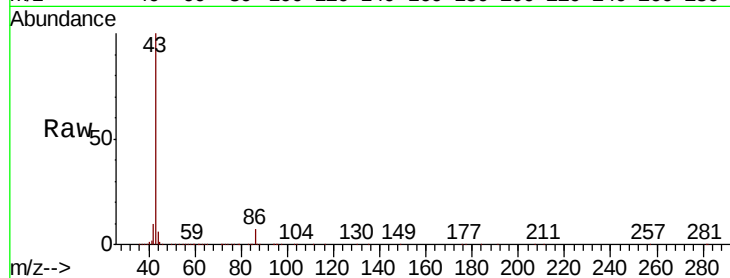
86 7.5 5.9 8.9

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

150000

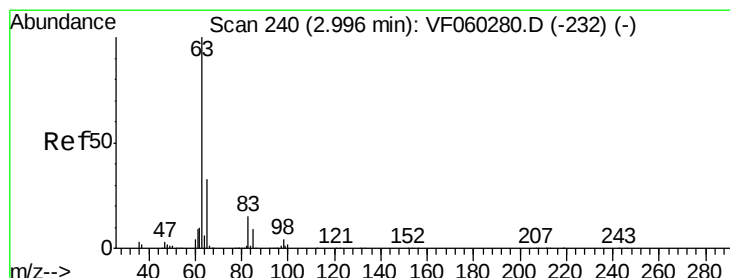
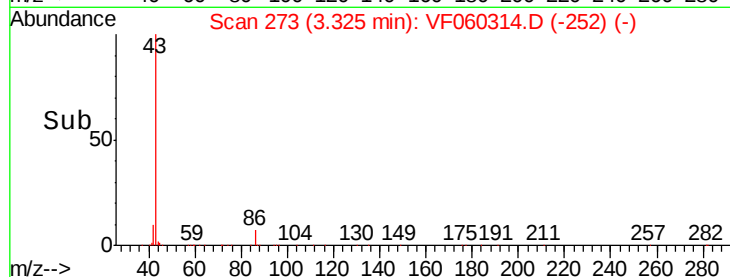
100000

50000

0

3.20 3.30 3.40 3.50

Time-->



#24

1,1-Dichloroethane

Concen: 23.009 ug/l

RT: 2.99 min Scan# 239

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

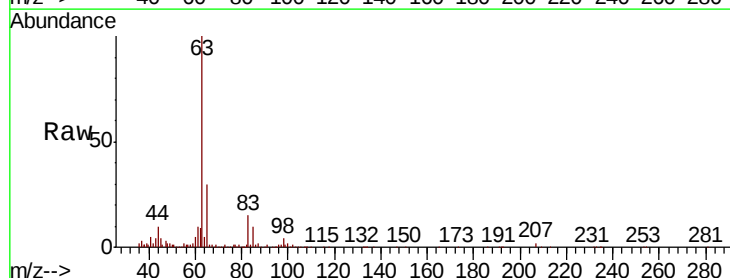
Tgt Ion: 63 Resp: 140394

Ion Ratio Lower Upper

63 100

98 4.1 2.1 6.5

100 2.3 1.1 3.3



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

60000

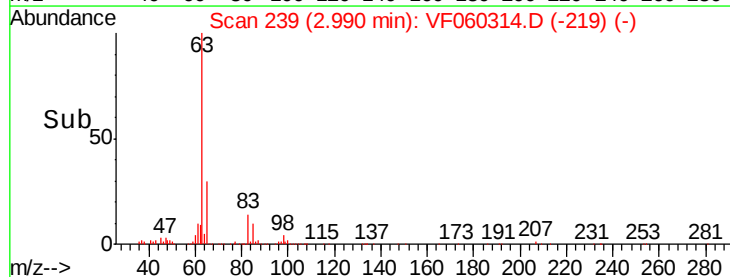
40000

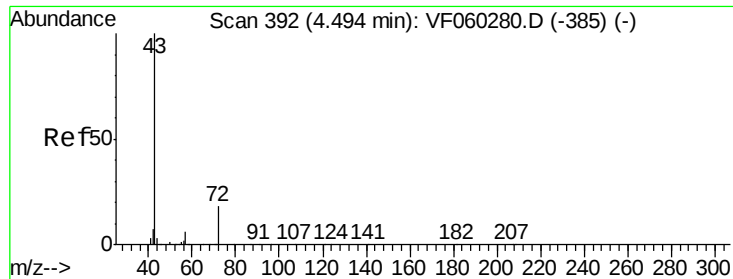
20000

0

2.80 2.90 3.00 3.10

Time-->





#25

2-Butanone

Concen: 107.223 ug/l

RT: 4.50 min Scan# 392

Delta R.T. 0.00 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

Tot Ion: 43 Resp: 137426

Ion Ratio Lower Upper

43 100

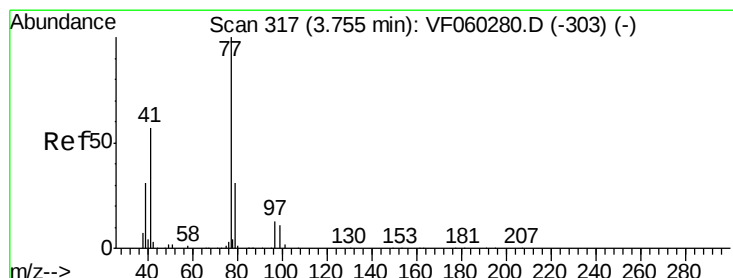
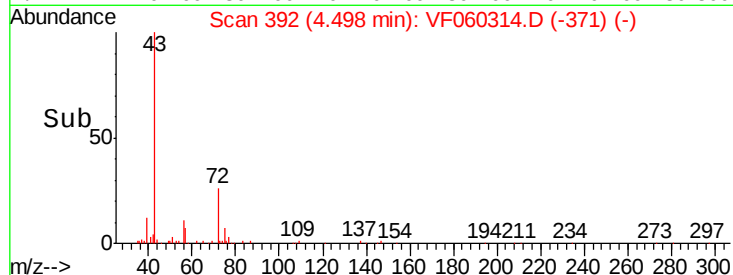
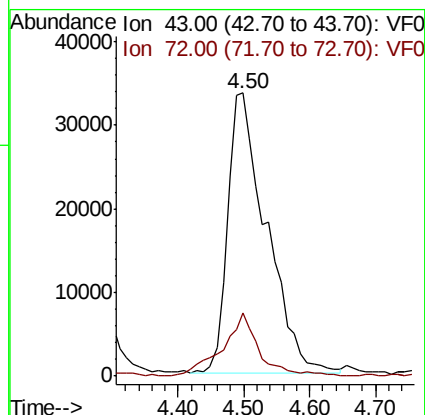
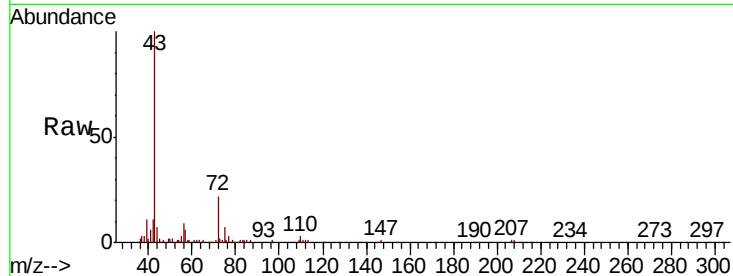
72 22.1 16.2 24.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 25.442 ug/l

RT: 3.75 min Scan# 316

Delta R.T. -0.01 min

Lab File: VF060314.D

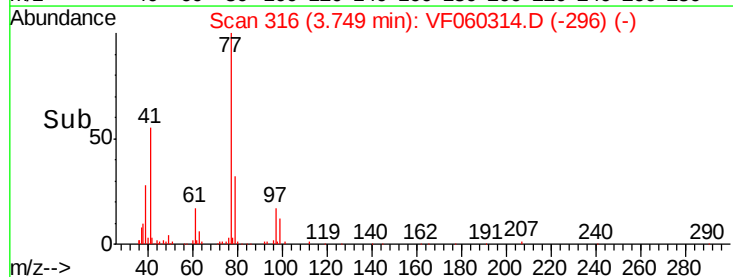
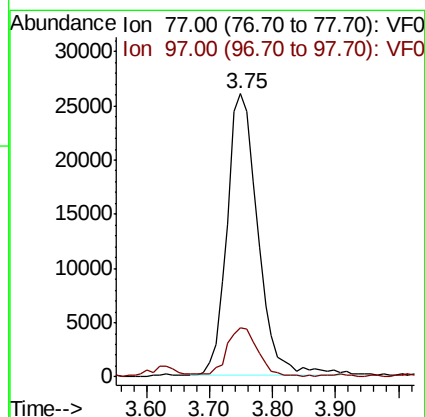
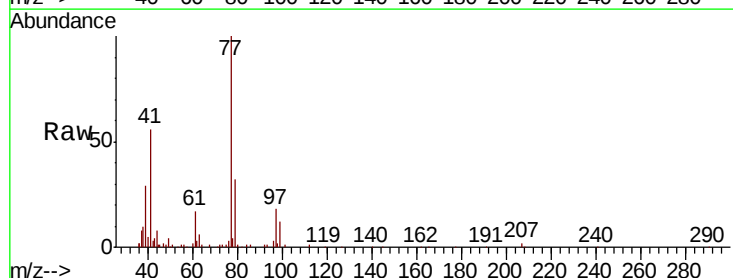
Acq: 21 Sep 2018 14:13

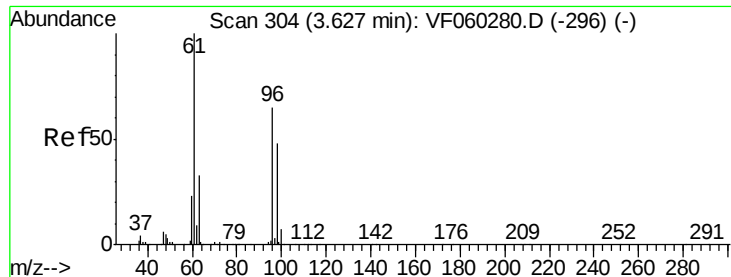
Tgt Ion: 77 Resp: 88575

Ion Ratio Lower Upper

77 100

97 17.5 9.3 27.9





#27

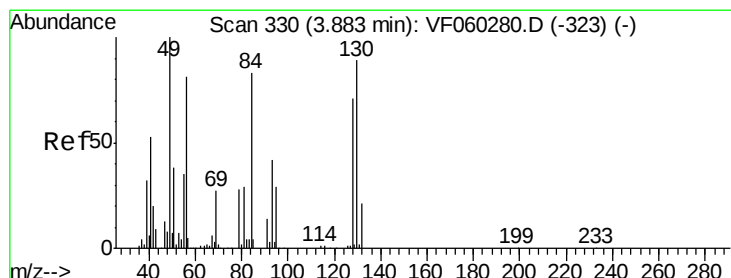
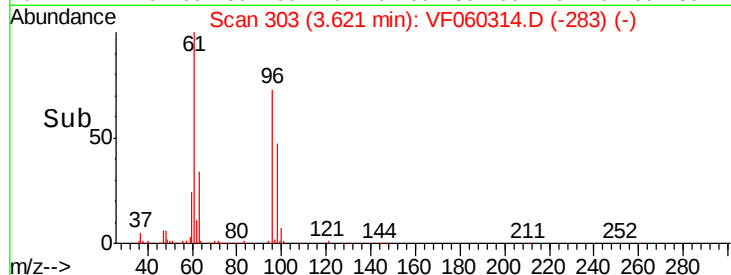
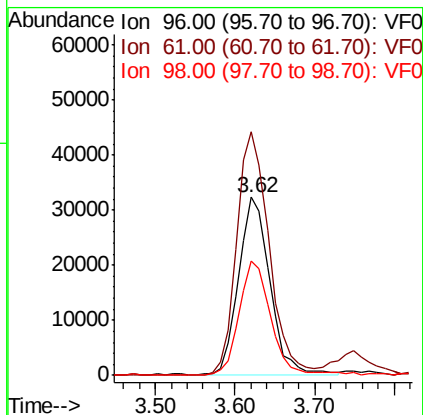
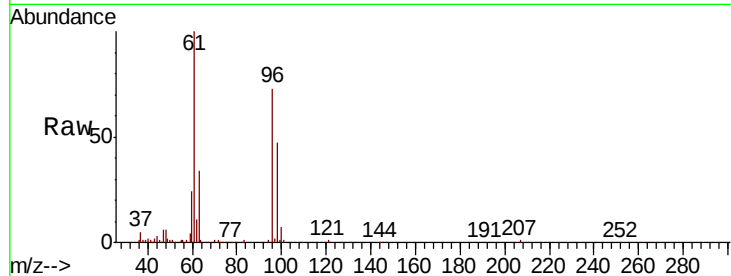
cis-1,2-Dichloroethene
Concen: 22.577 ug/l
RT: 3.62 min Scan# 303
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	87538		
61	136.8	0.0	304.8	
98	63.9	0.0	146.4	

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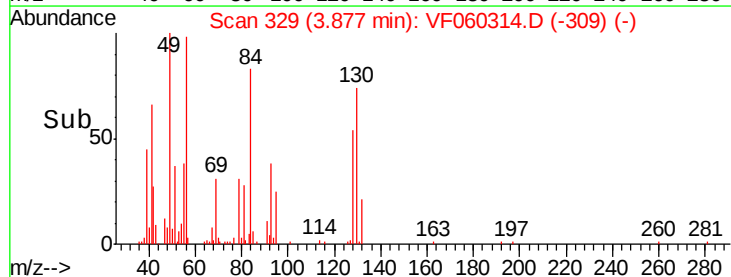
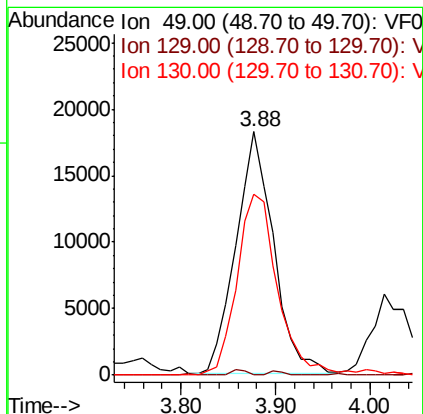
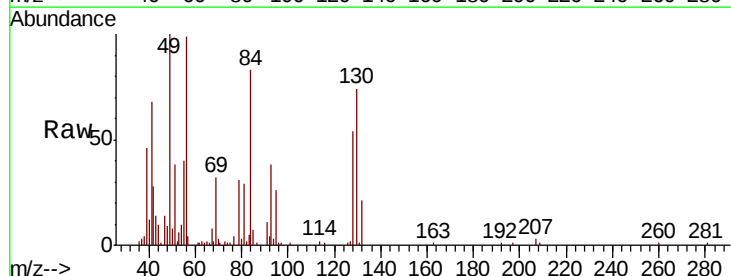
apatel
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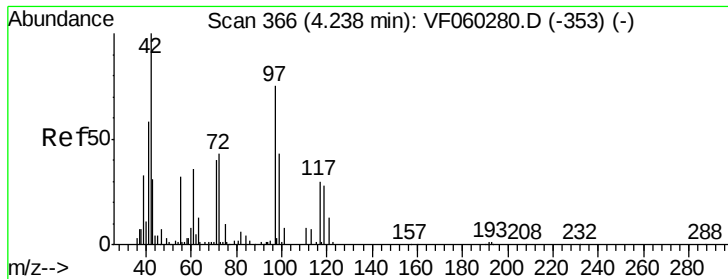


#28

Bromochloromethane
Concen: 21.133 ug/l
RT: 3.88 min Scan# 329
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	50202		
129	0.0	0.0	4.2	
130	74.1	70.3	105.5	





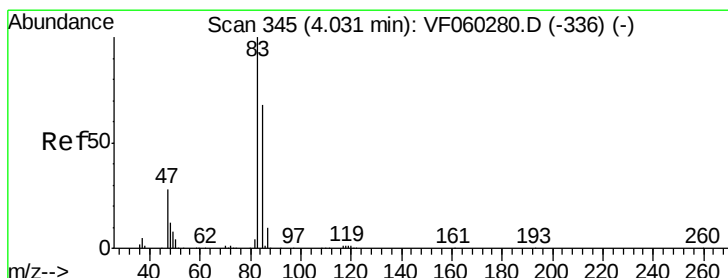
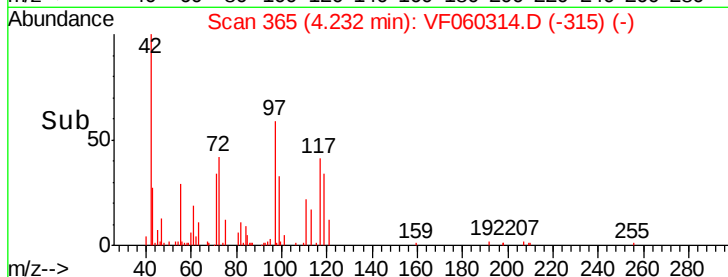
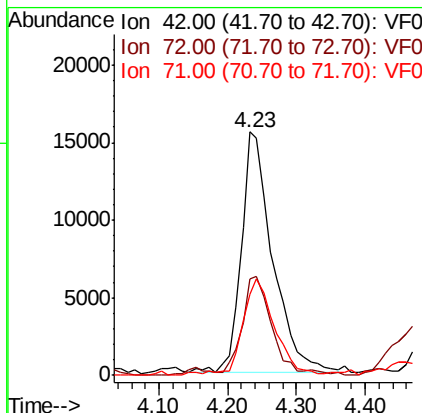
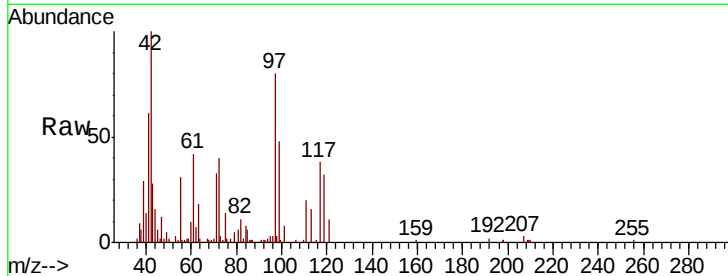
#29
Tetrahydrofuran
Concen: 104.961 ug/l
RT: 4.23 min Scan# 365
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.5	32.6	49.0
71	40.9	32.7	49.1

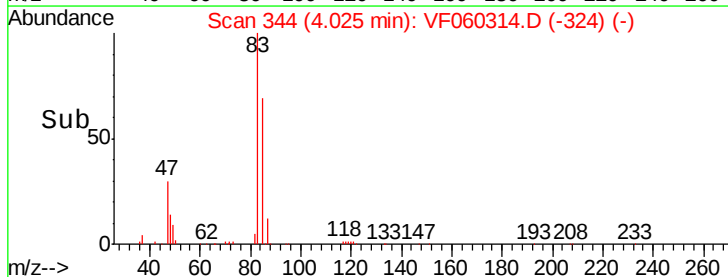
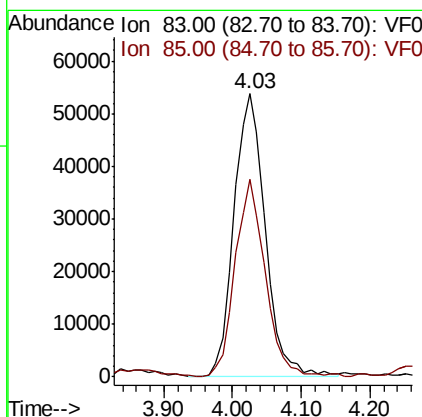
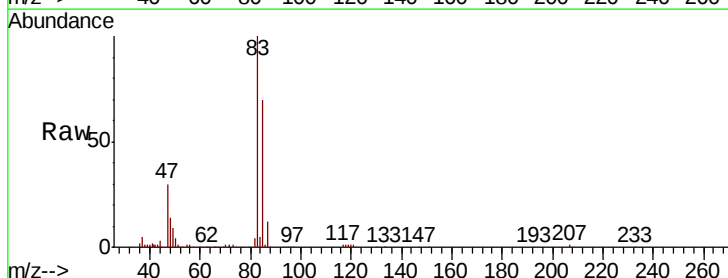
Manual Integrations
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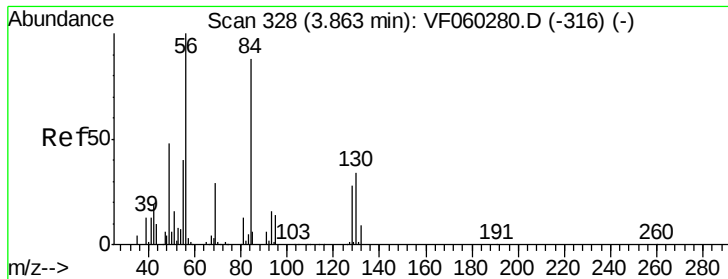
apatel
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#30
Chloroform
Concen: 22.772 ug/l
RT: 4.03 min Scan# 344
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.9	54.9	82.3





#31

Cyclohexane

Concen: 21.915 ug/l

RT: 3.86 min Scan# 327

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

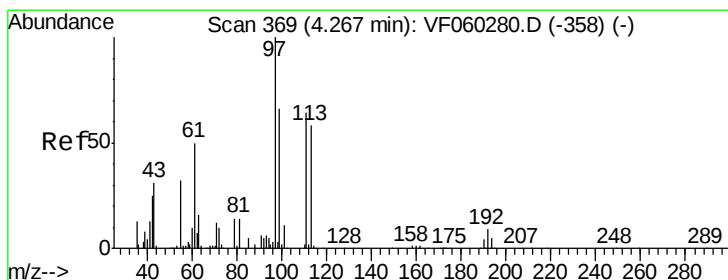
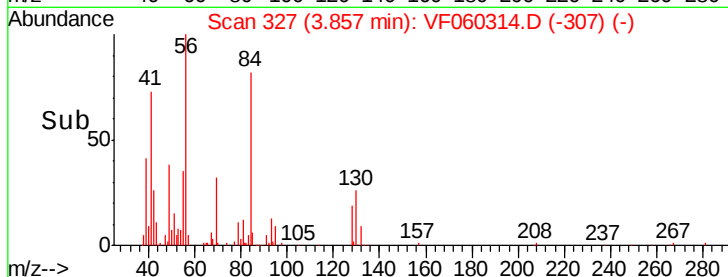
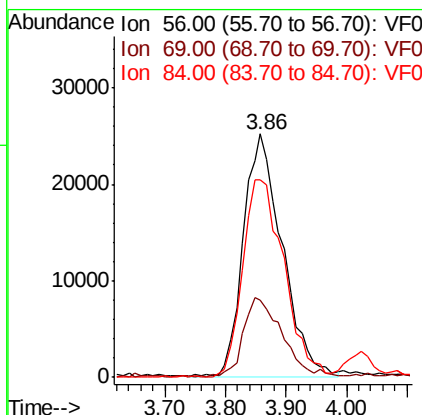
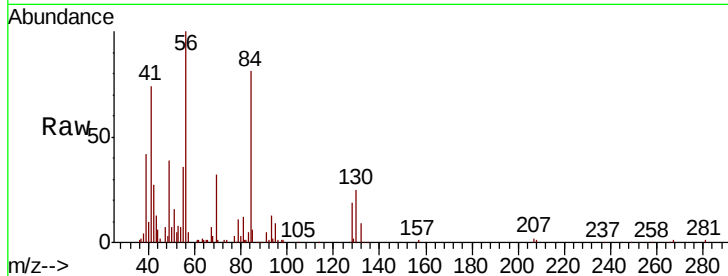
ClientSampleId :

VF0921SBS01

Tot Ion:	56	Resp:	112949
Ion Ratio	Lower	Upper	
56	100		
69	31.9	23.8	35.6
84	81.1	70.2	105.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 24.518 ug/l

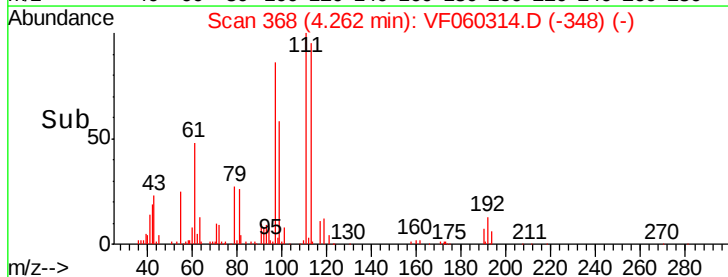
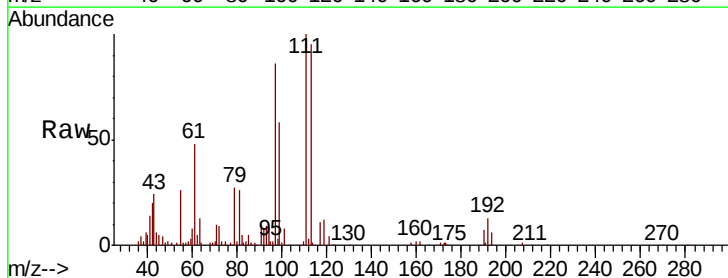
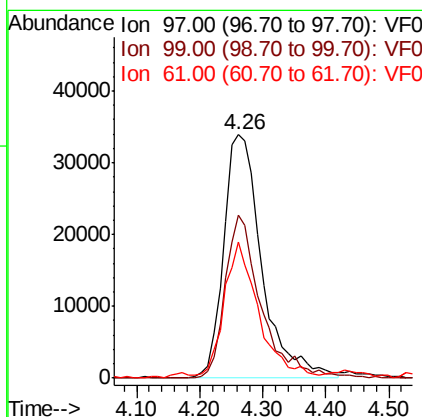
RT: 4.26 min Scan# 368

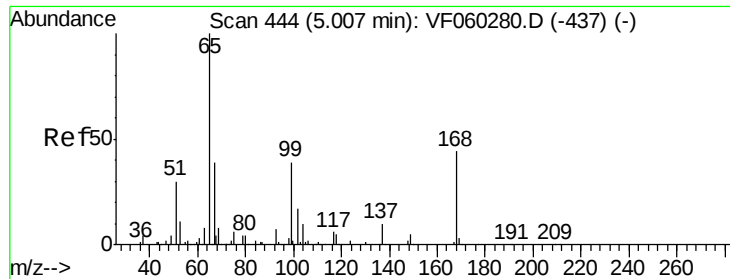
Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Tgt Ion:	97	Resp:	142433
Ion Ratio	Lower	Upper	
97	100		
99	67.1	53.0	79.4
61	56.0	40.6	61.0





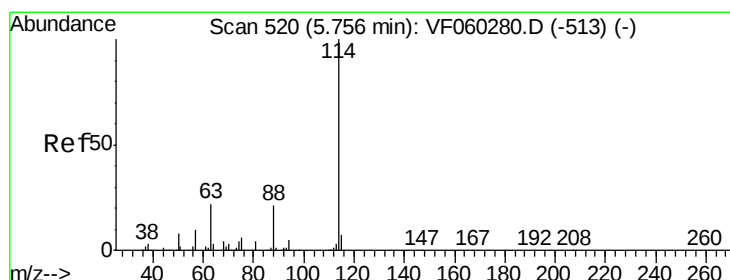
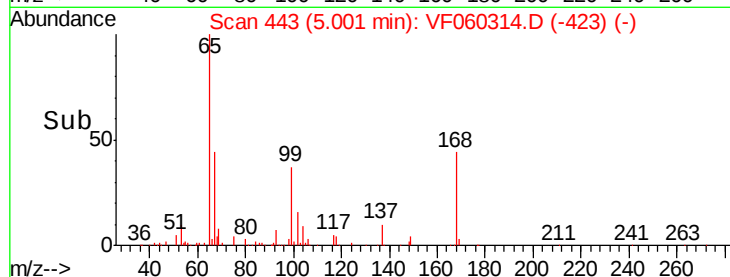
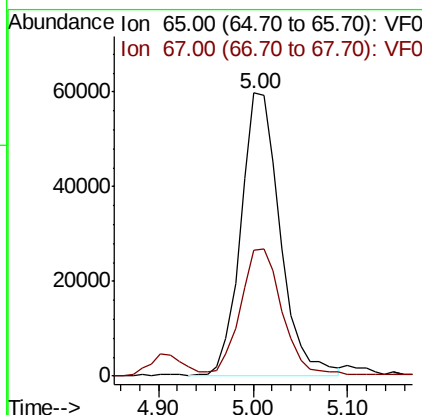
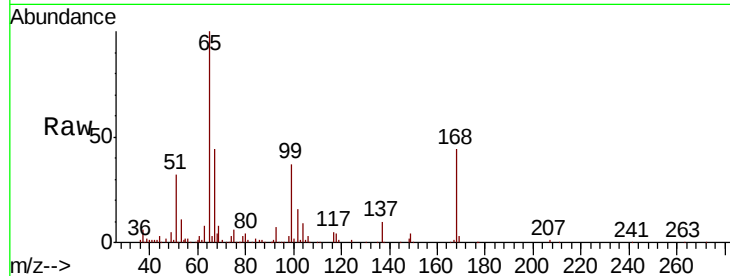
#33
 1,2-Dichloroethane-d4
 Concen: 51.105 ug/l
 RT: 5.00 min Scan# 443
 Delta R.T. -0.01 min
 Lab File: VF060314.D
 Acq: 21 Sep 2018 14:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0921SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	44.5	0.0	94.4

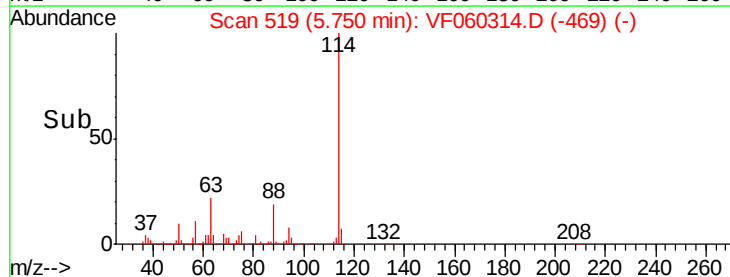
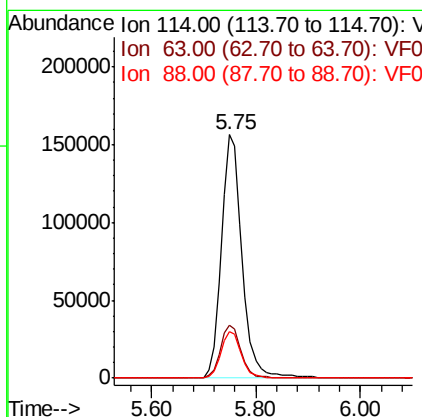
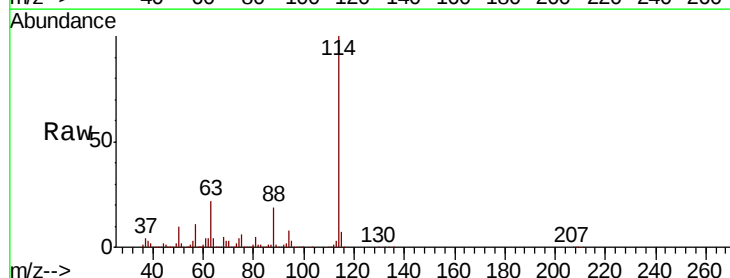
Manual Integrations
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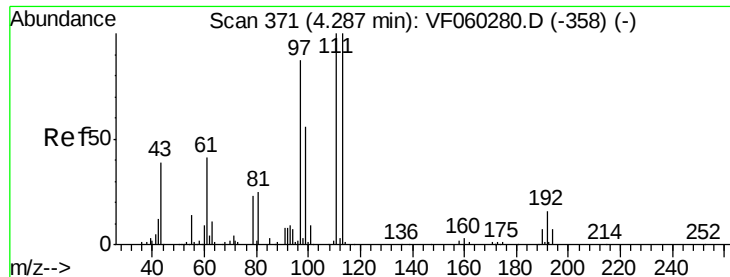
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 519
 Delta R.T. -0.01 min
 Lab File: VF060314.D
 Acq: 21 Sep 2018 14:13

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.8
88	19.3	0.0	41.2





#35

Dibromofluoromethane

Concen: 48.606 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

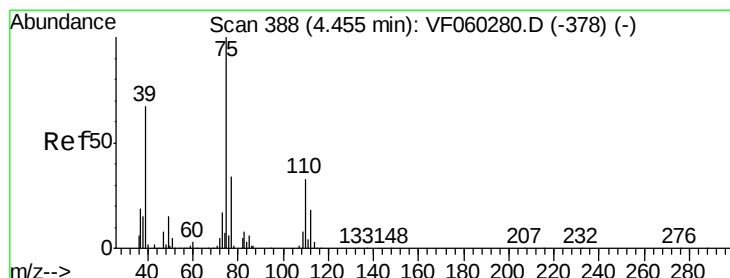
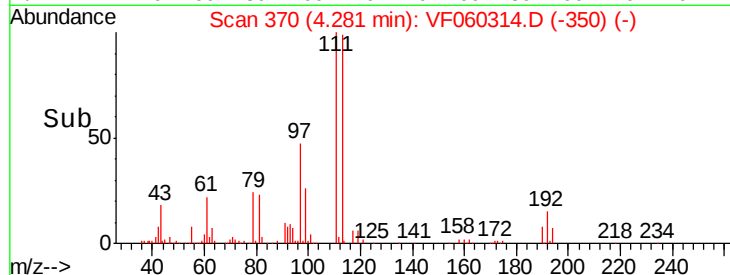
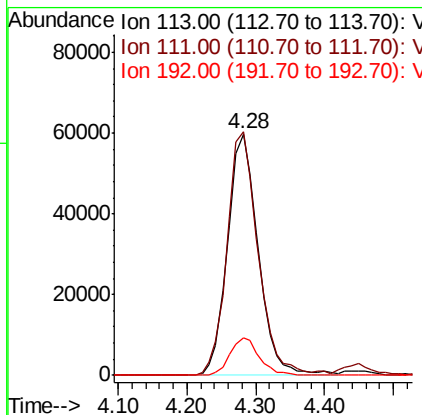
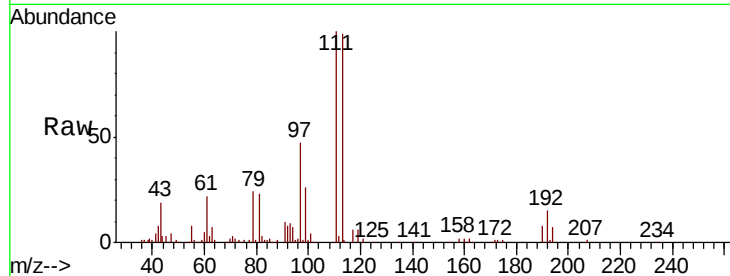
ClientSampleId :

VF0921SBS01

Tot Ion:	113	Resp:	185155
Ion Ratio	Lower	Upper	
113	100		
111	101.0	79.6	119.4
192	15.4	13.0	19.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 23.910 ug/l

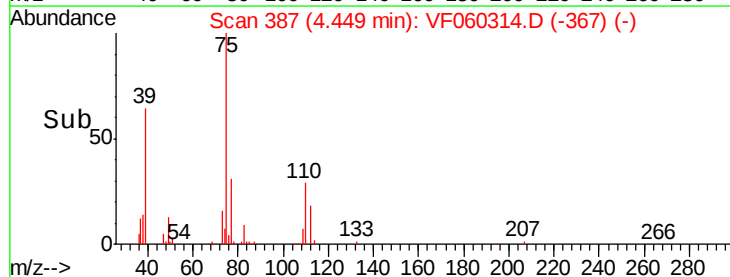
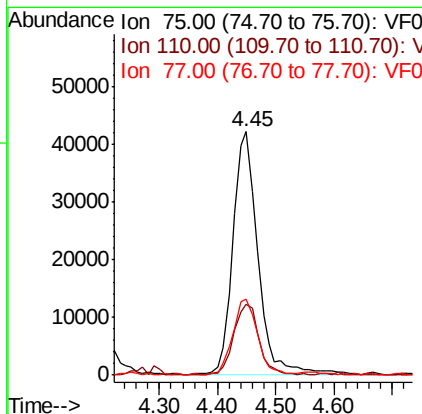
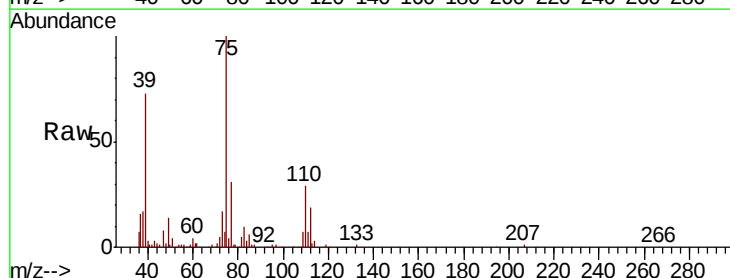
RT: 4.45 min Scan# 387

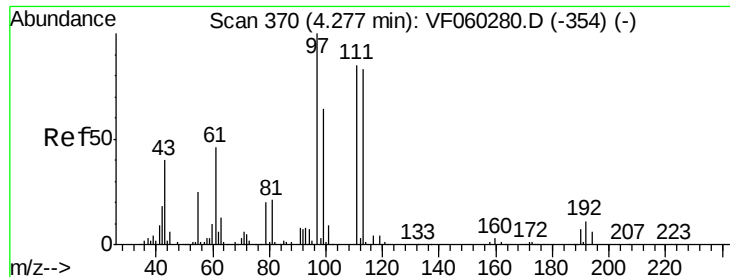
Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Tgt Ion:	75	Resp:	127448
Ion Ratio	Lower	Upper	
75	100		
110	29.2	16.4	49.2
77	31.1	27.3	40.9





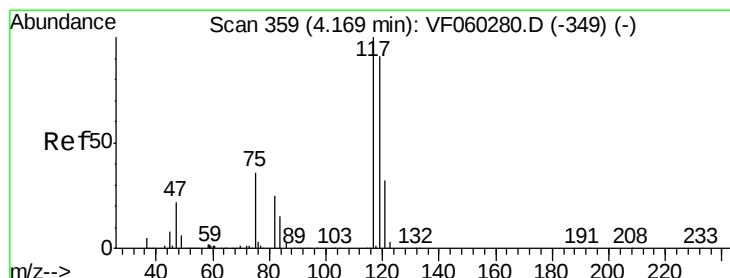
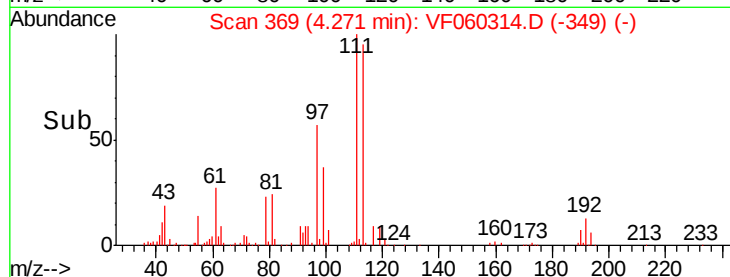
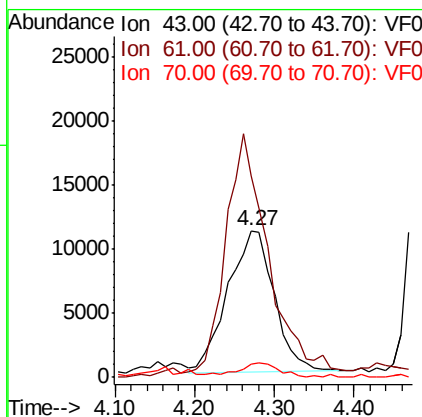
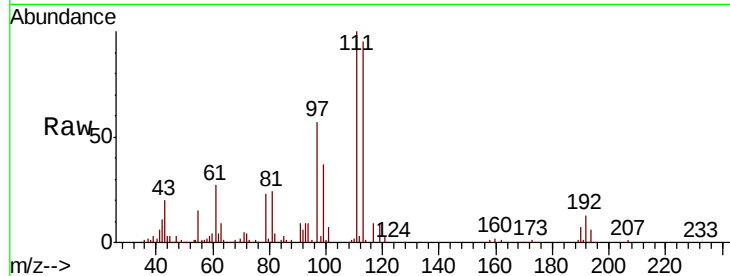
#37
Ethyl Acetate
Concen: 19.838 ug/l
RT: 4.27 min Scan# 369
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

Tot Ion	43	61	70	Ratio	Lower	Upper
43	100					
61	137.2	91.1	136.7			
70	9.1	6.9	10.3			

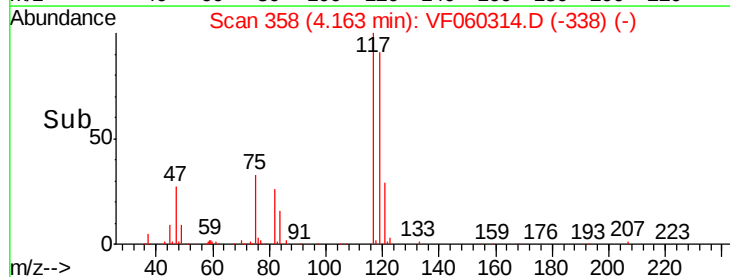
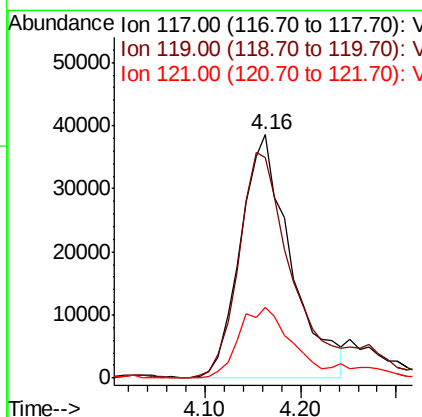
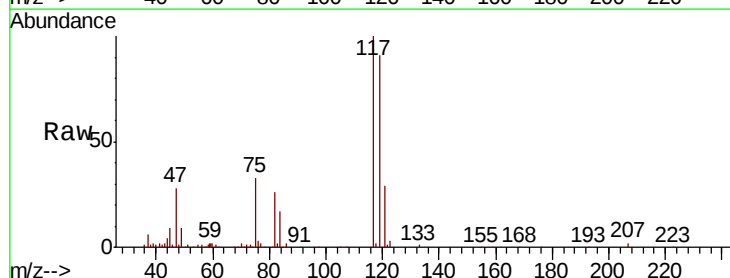
Manual Integrations
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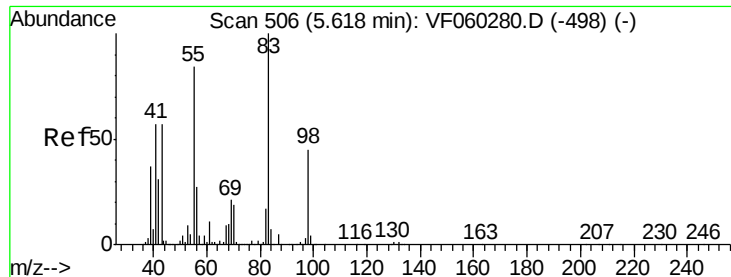
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#38
Carbon Tetrachloride
Concen: 24.747 ug/l m
RT: 4.16 min Scan# 358
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

Tgt Ion	117	119	121	Ratio	Lower	Upper
117	100					
119	90.9	73.0	109.6			
121	29.2	25.4	38.2			





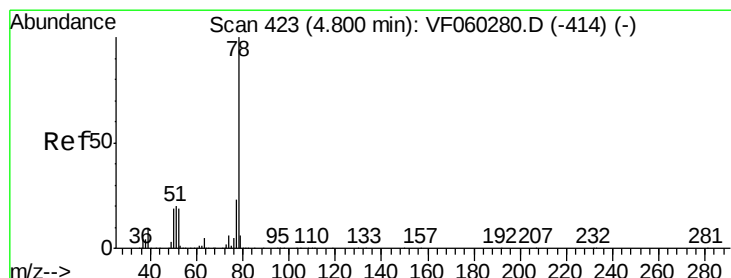
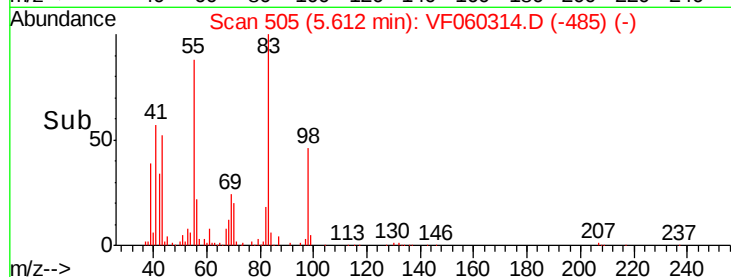
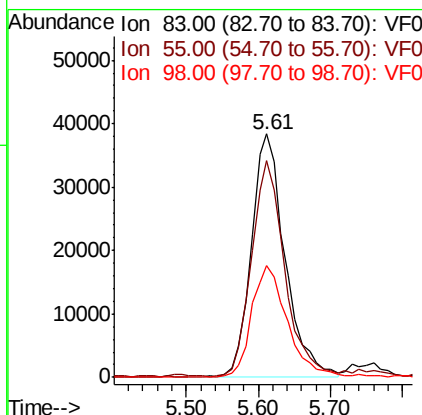
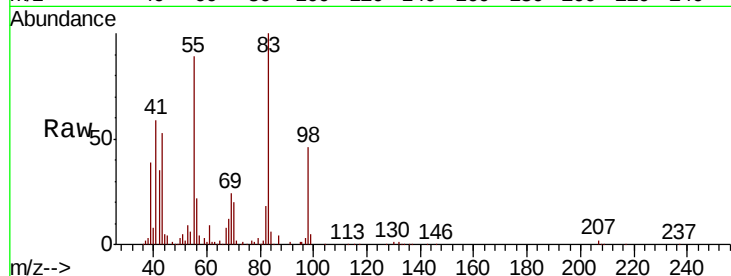
#39
Methvlcvclohexane
Concen: 21.704 ug/l
RT: 5.61 min Scan# 505
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.0	67.3	100.9
98	46.1	36.1	54.1

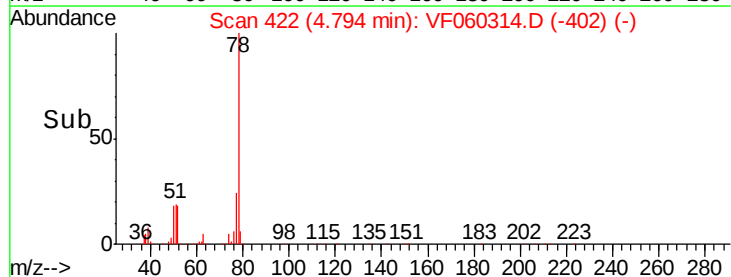
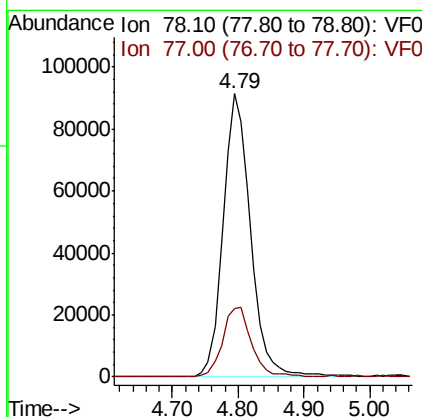
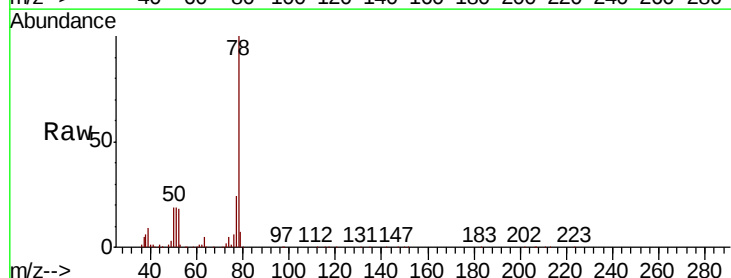
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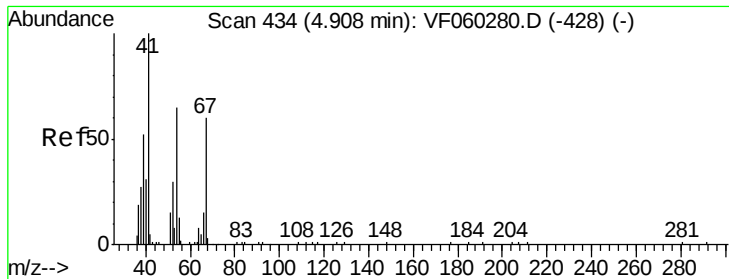
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#40
Benzene
Concen: 22.004 ug/l
RT: 4.79 min Scan# 422
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.4	27.6





#41

Methacrylonitrile

Concen: 21.021 ug/l

RT: 4.90 min Scan# 433

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

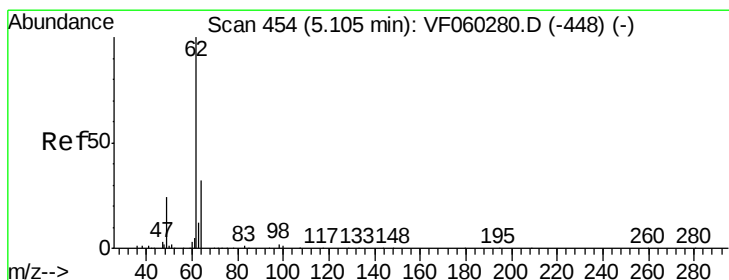
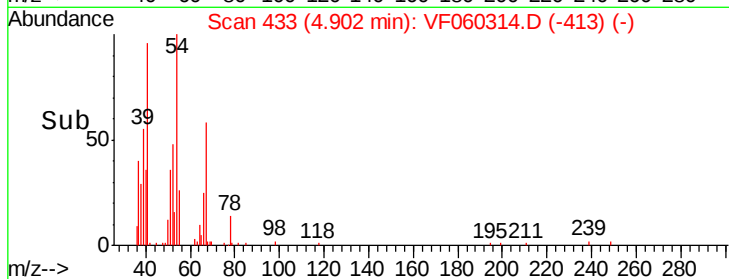
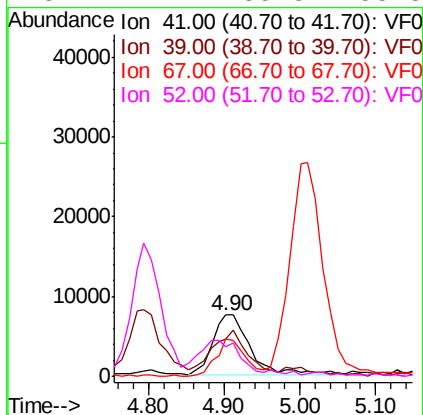
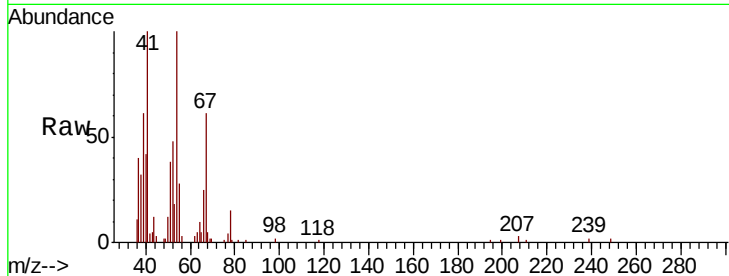
ClientSampleId :

VF0921SBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	61.3	49.1	73.7	
67	60.9	48.2	72.4	
52	47.7	35.8	53.8	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 22.602 ug/l

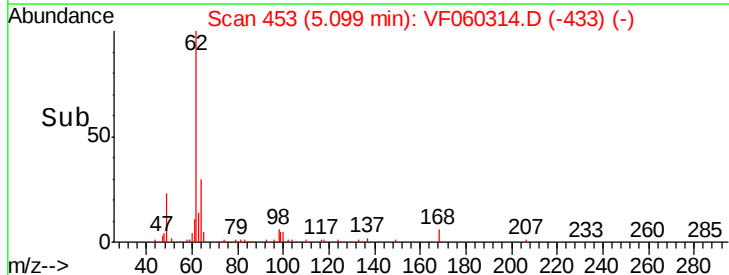
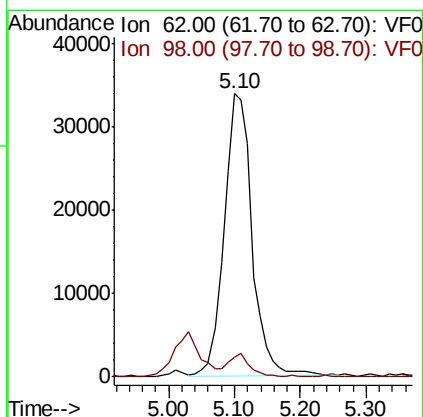
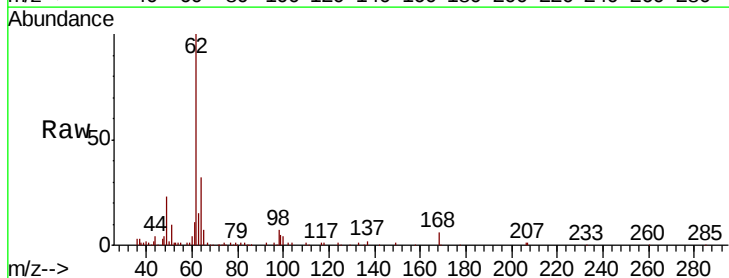
RT: 5.10 min Scan# 453

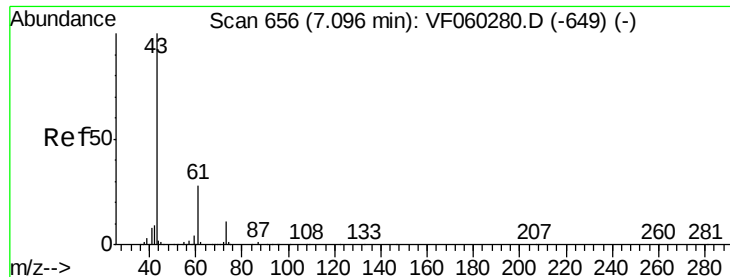
Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	6.8	0.0	14.4	





#43

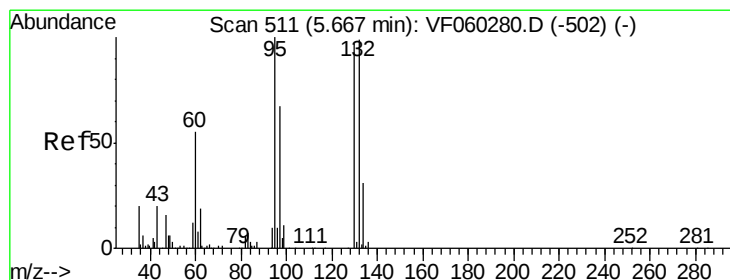
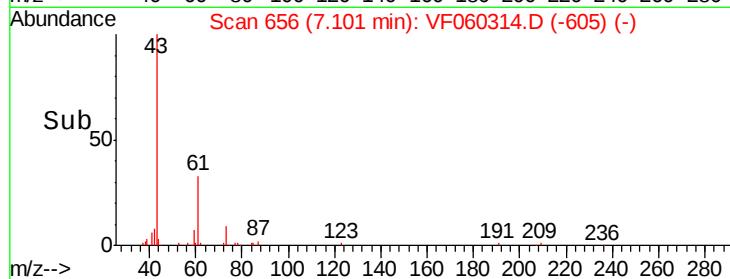
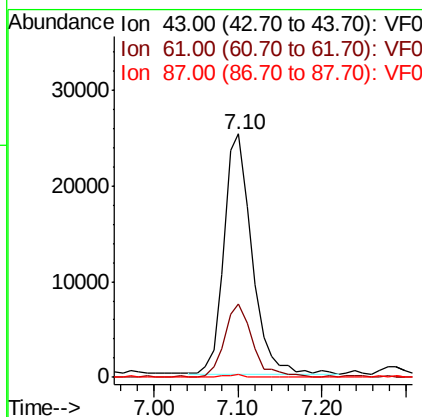
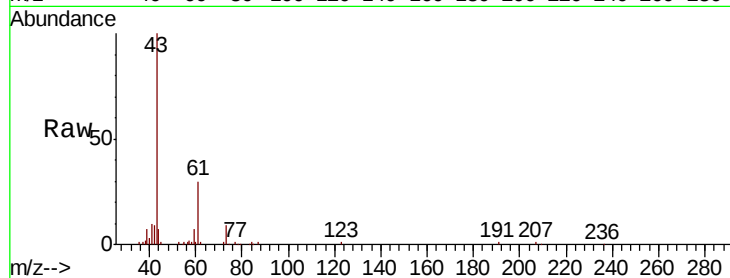
Isopropyl Acetate
 Concen: 21.561 ug/l
 RT: 7.10 min Scan# 656
 Delta R.T. 0.00 min
 Lab File: VF060314.D
 Acq: 21 Sep 2018 14:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0921SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.0	22.4	33.6
87	1.4	0.6	0.8

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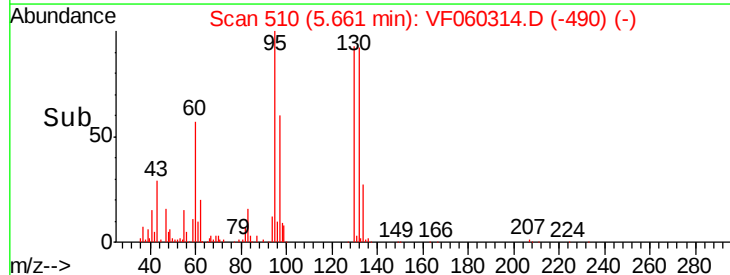
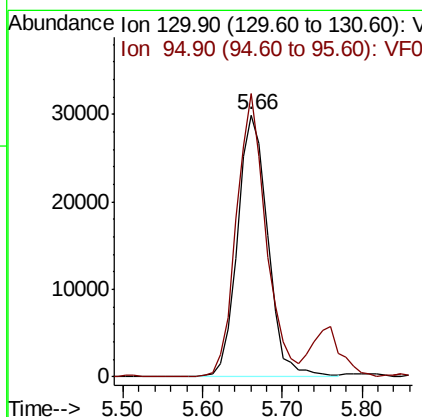
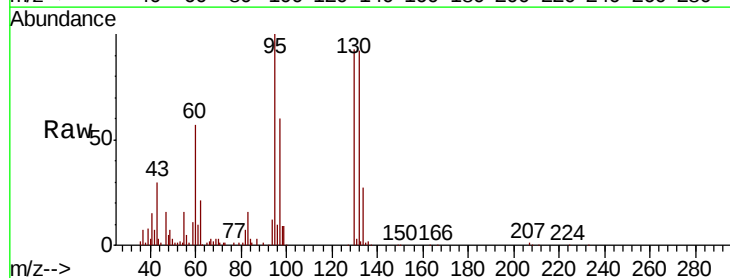
apatel
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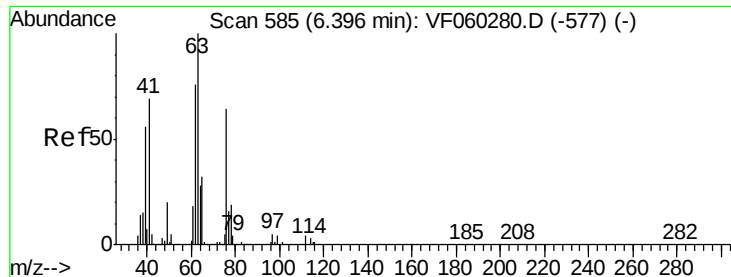


#44

Trichloroethene
 Concen: 21.881 ug/l
 RT: 5.66 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: VF060314.D
 Acq: 21 Sep 2018 14:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.0	0.0	205.6





#45

1,2-Dichloropropane

Concen: 22.302 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

Tot Ion: 63 Resp: 69760

Ion Ratio Lower Upper

63 100

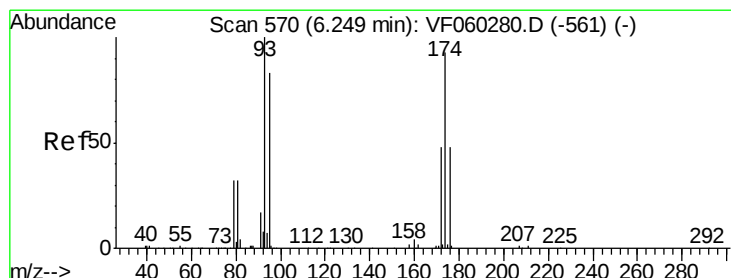
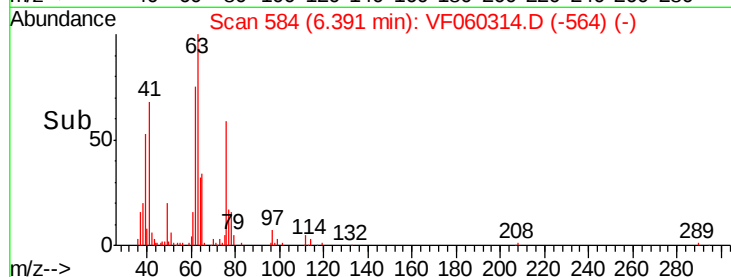
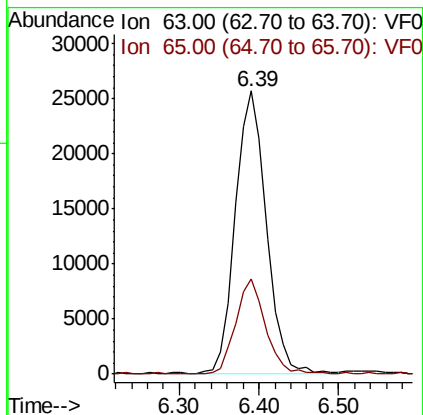
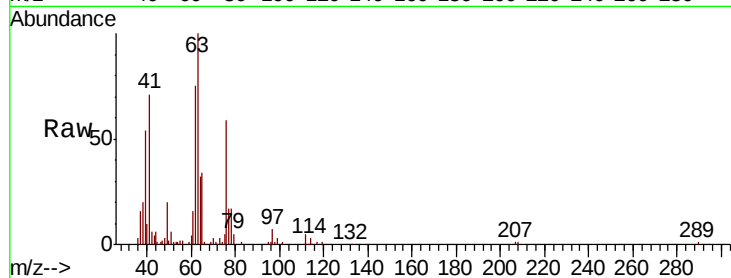
65 33.9 26.2 39.4

Manual Integrations

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#46

Dibromomethane

Concen: 20.758 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

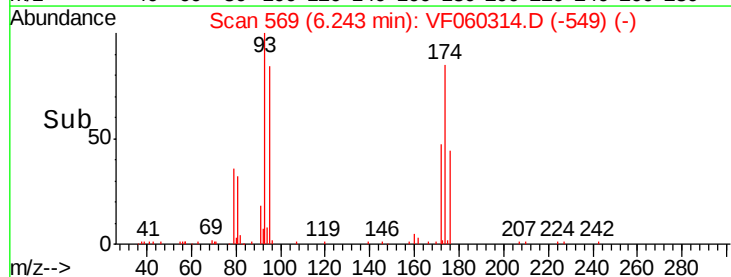
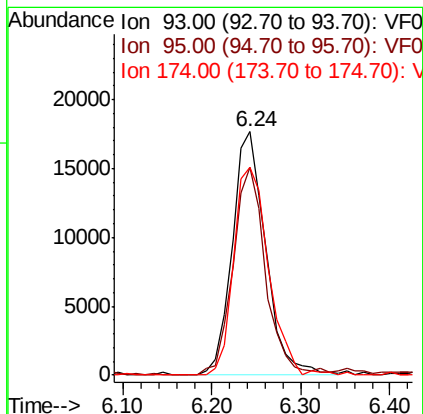
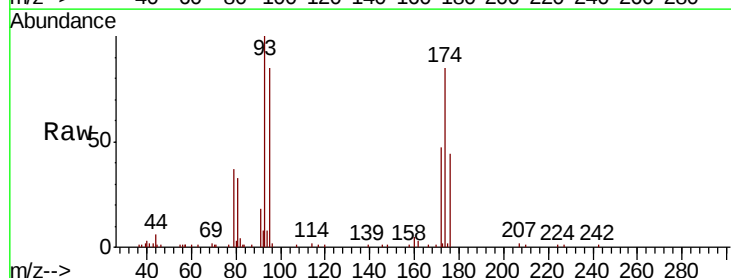
Tgt Ion: 93 Resp: 46413

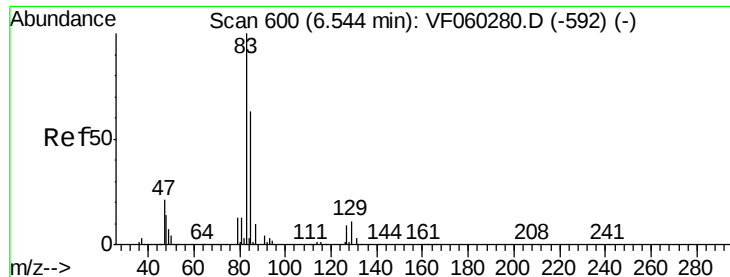
Ion Ratio Lower Upper

93 100

95 85.1 67.0 100.6

174 85.5 74.8 112.2





#47

Bromodichloromethane

Concen: 21.516 ug/l

RT: 6.54 min Scan# 599

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

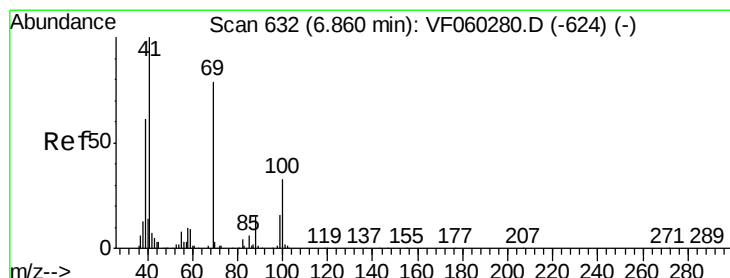
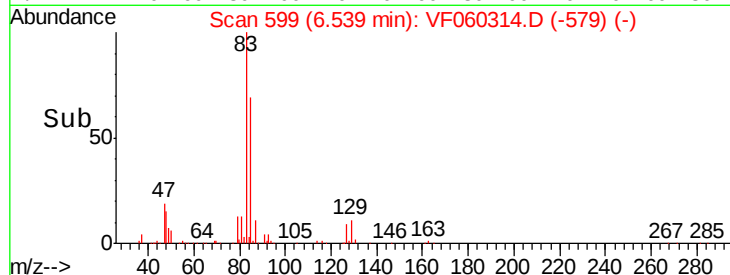
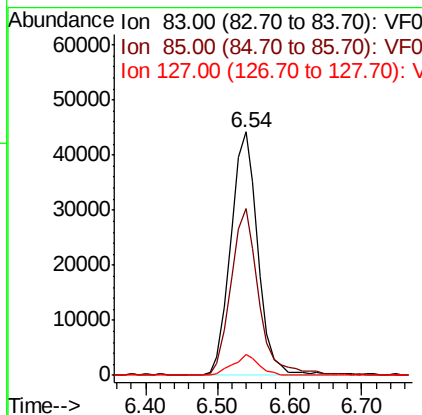
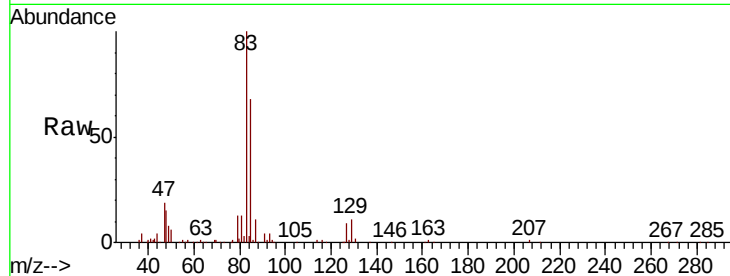
ClientSampleId :

VF0921SBS01

Tot Ion:	83	Resp:	115608
Ion Ratio	Lower	Upper	
83	100		
85	68.3	50.6	76.0
127	8.7	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.013 ug/l

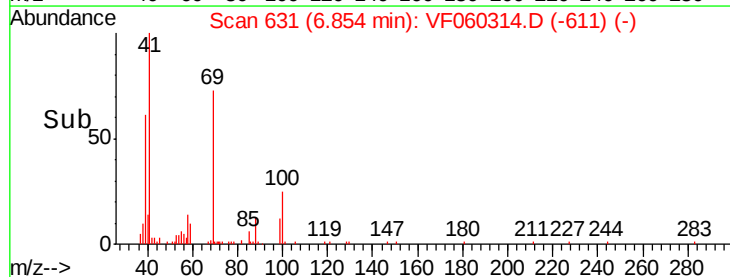
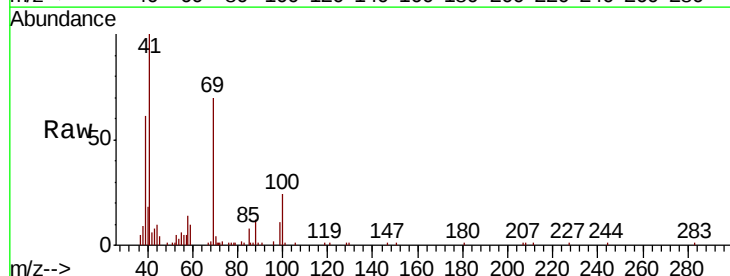
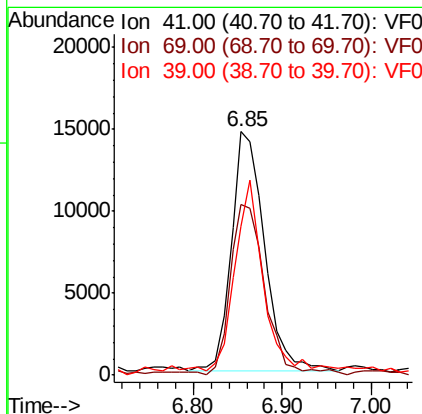
RT: 6.85 min Scan# 631

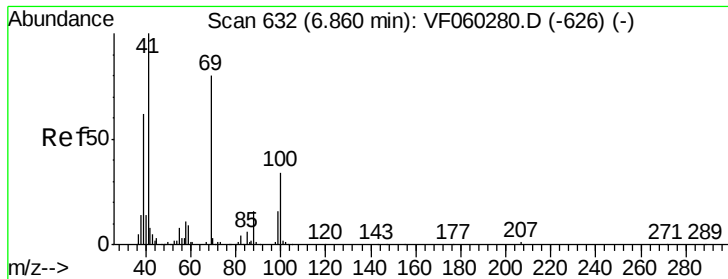
Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Tgt Ion:	41	Resp:	38145
Ion Ratio	Lower	Upper	
41	100		
69	70.3	62.6	94.0
39	61.4	49.1	73.7





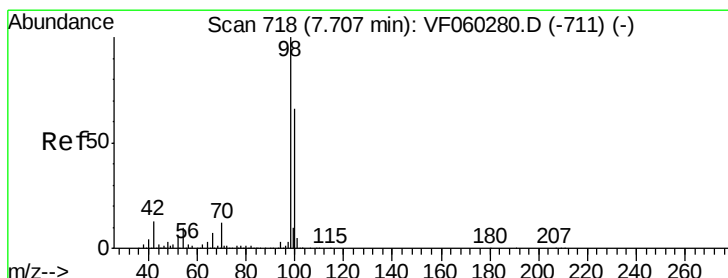
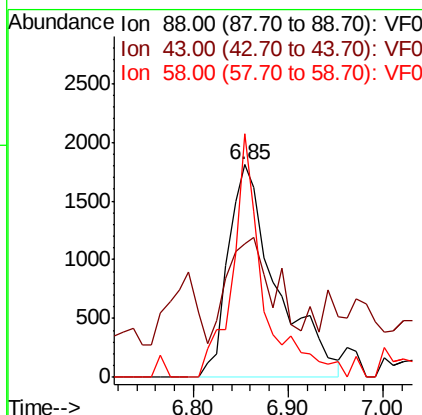
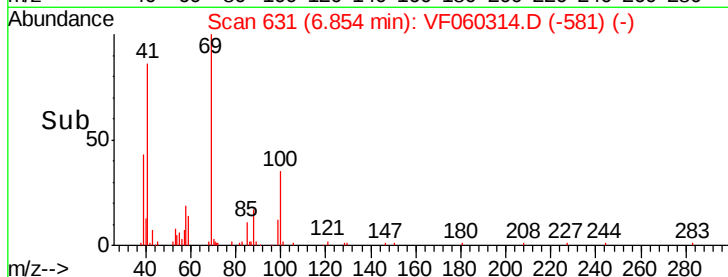
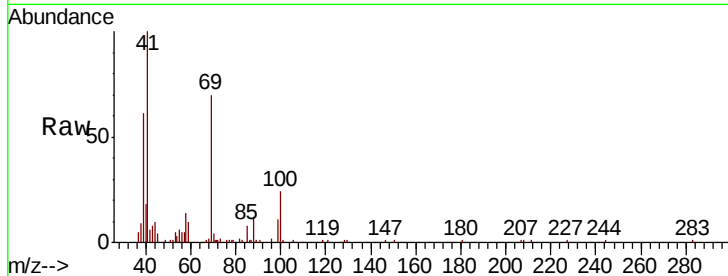
#49
1,4-Dioxane
Concen: 376.500 ug/l
RT: 6.85 min Scan# 631
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	62.8	40.2	60.4#
58	114.4	56.7	85.1#

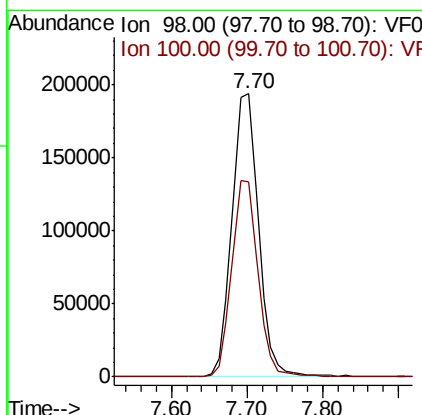
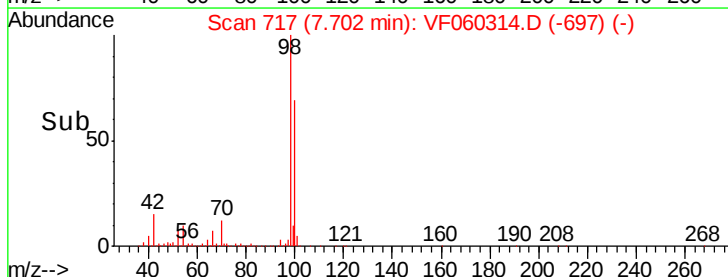
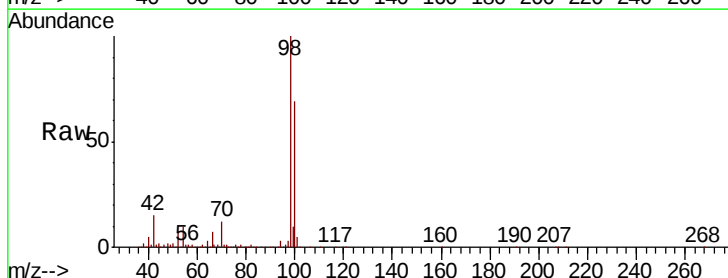
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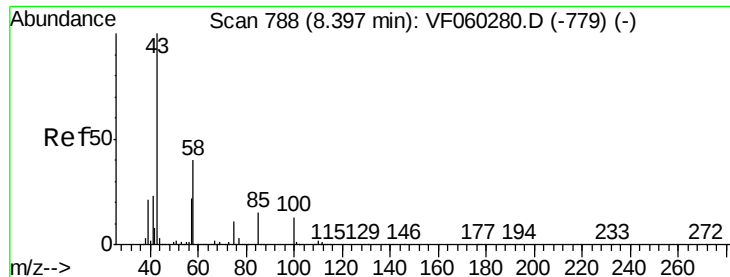
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#50
Toluene-d8
Concen: 47.441 ug/l
RT: 7.70 min Scan# 717
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.0	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 102.558 ug/l

RT: 8.39 min Scan# 787

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

Tot Ion: 43 Resp: 214622

Ion Ratio Lower Upper

43 100

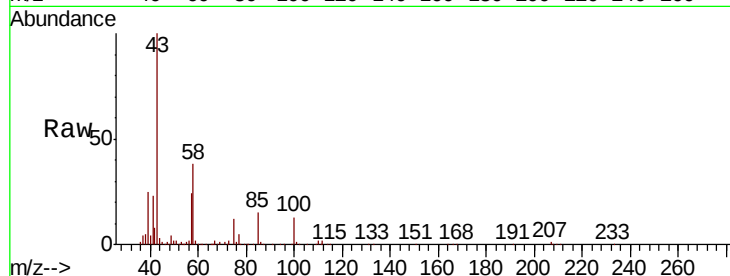
58 38.3 31.8 47.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.39

100000

80000

60000

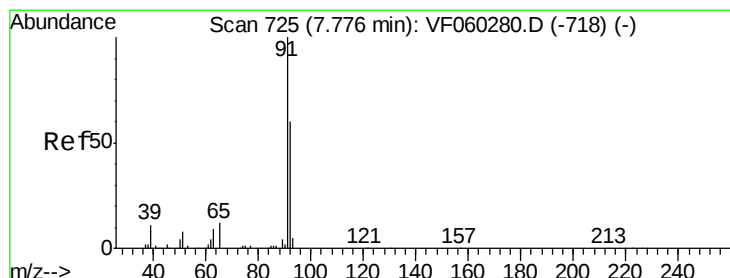
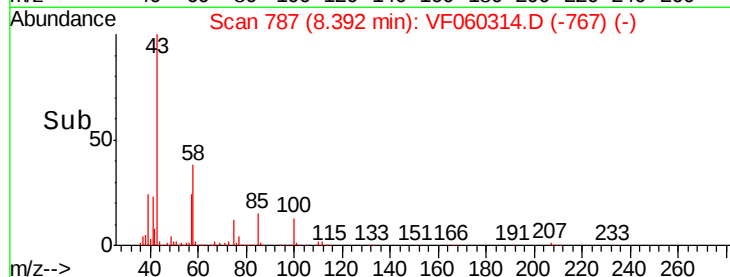
40000

20000

0

8.30 8.40 8.50 8.60

Time-->



#52

Toluene

Concen: 21.043 ug/l

RT: 7.77 min Scan# 724

Delta R.T. -0.01 min

Lab File: VF060314.D

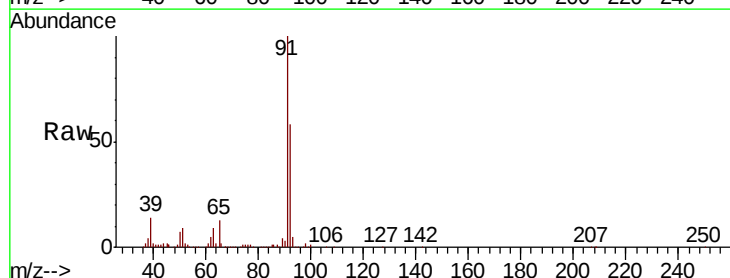
Acq: 21 Sep 2018 14:13

Tgt Ion: 92 Resp: 160896

Ion Ratio Lower Upper

92 100

91 172.1 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.77

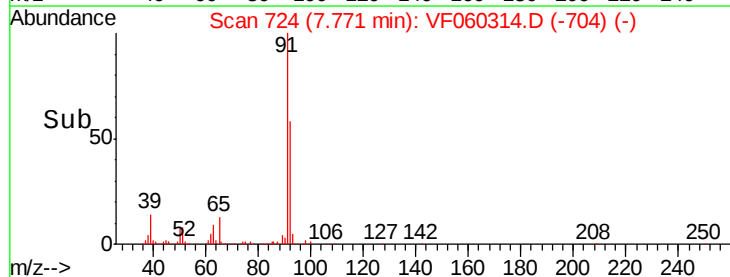
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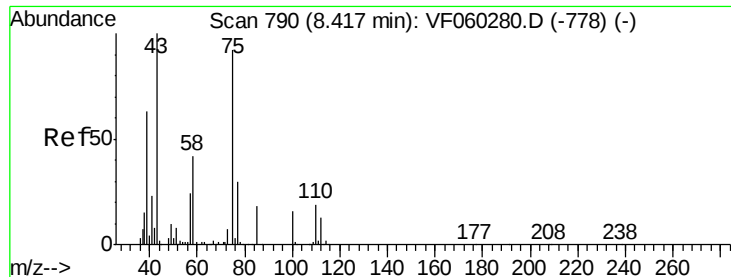
50000

0

7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.452 ug/l

RT: 8.41 min Scan# 789

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

Tot Ion: 75 Resp: 92977

Ion Ratio Lower Upper

75 100

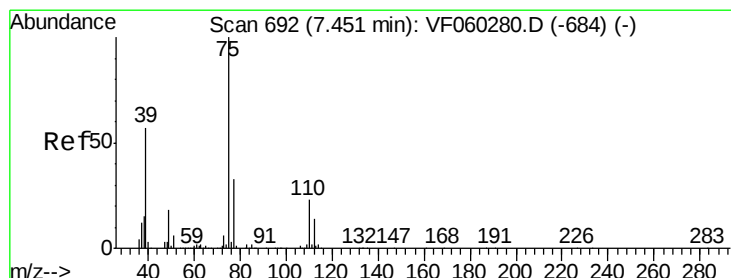
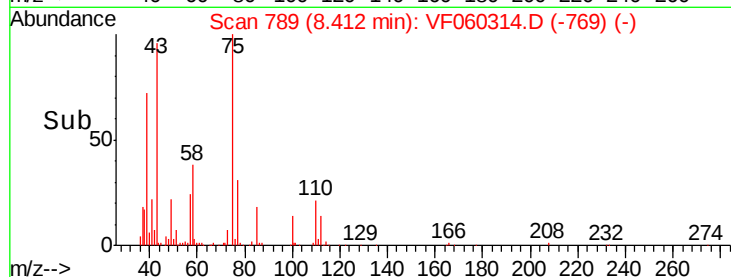
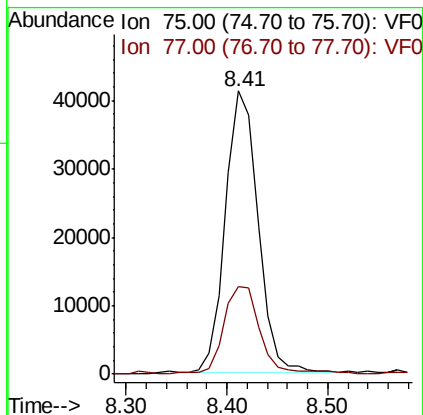
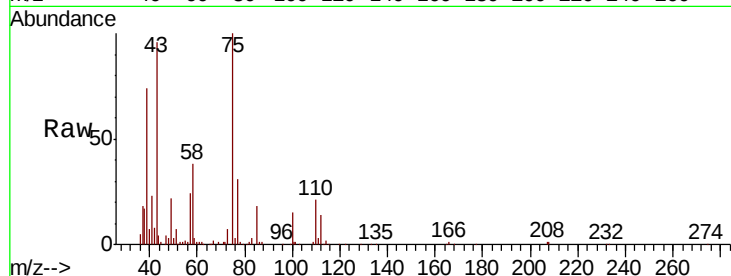
77 31.2 25.9 38.9

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#54

cis-1,3-Dichloropropene

Concen: 21.420 ug/l

RT: 7.45 min Scan# 691

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

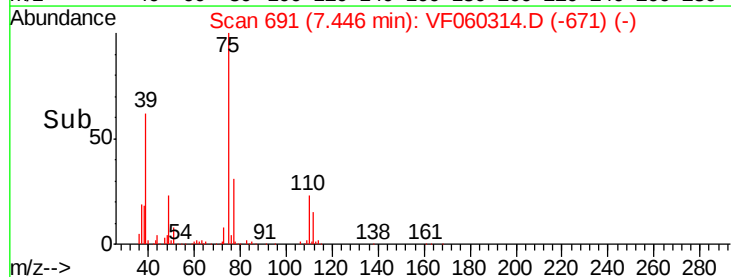
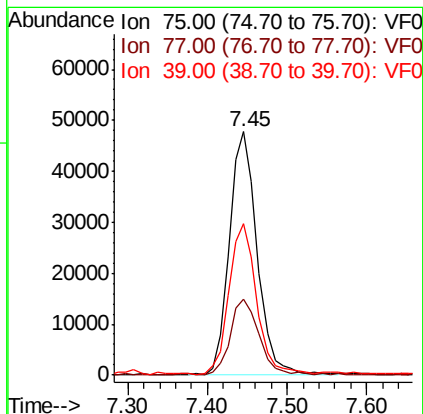
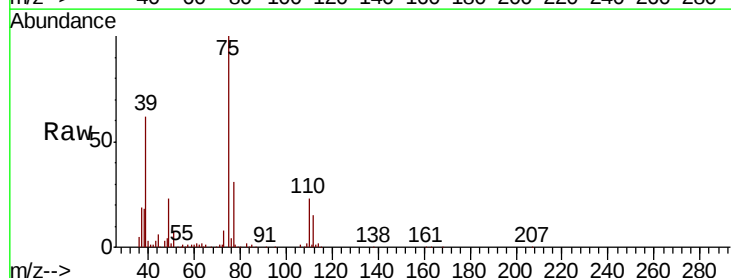
Tgt Ion: 75 Resp: 116954

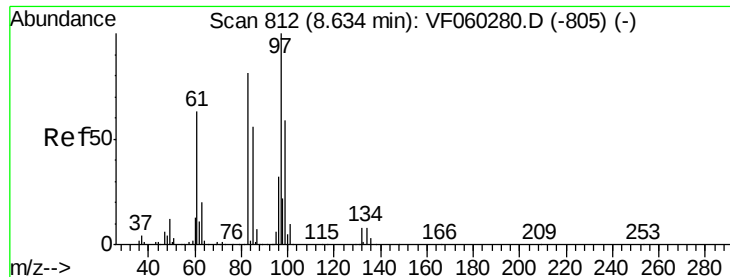
Ion Ratio Lower Upper

75 100

77 31.1 26.3 39.5

39 62.2 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 21.463 ug/l

RT: 8.62 min Scan# 810

Delta R.T. -0.02 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

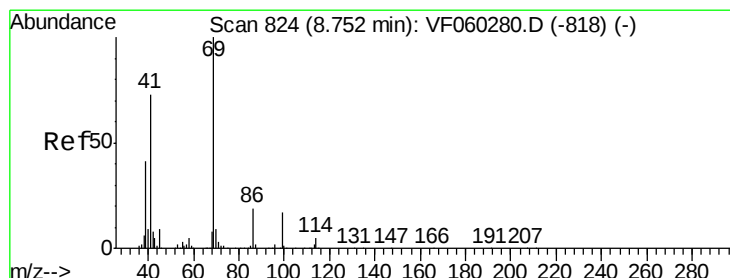
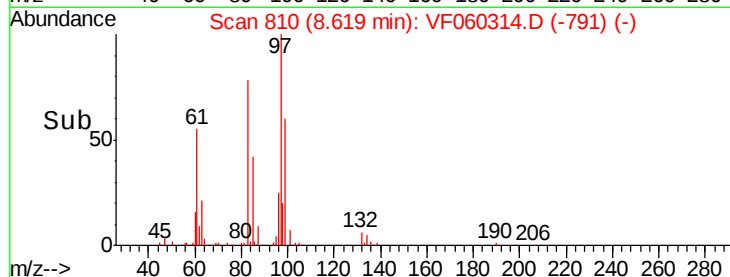
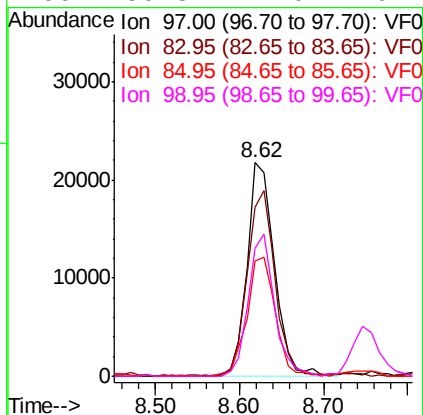
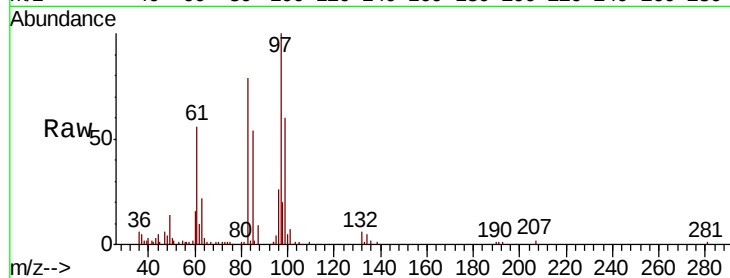
VF0921SBSD01

Tot Ion:	97	Resp:	49809
Ion	Ratio	Lower	Upper
97	100		
83	79.2	65.3	97.9
85	53.8	44.7	67.1
99	59.8	47.0	70.4

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#56

Ethyl methacrylate

Concen: 21.385 ug/l

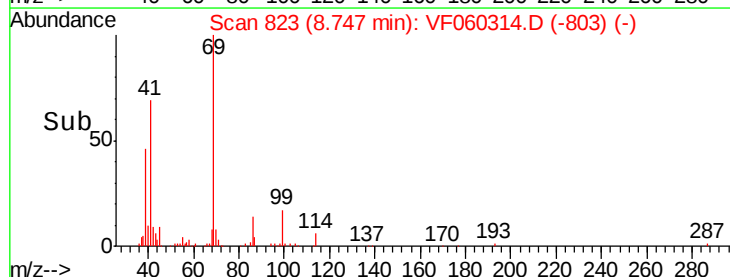
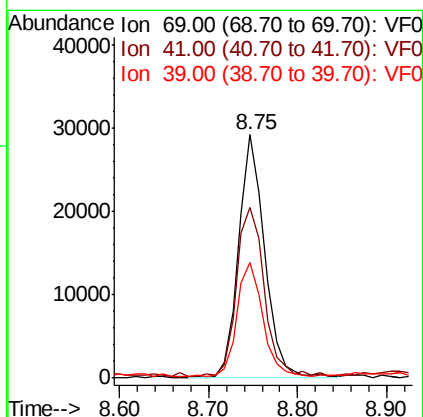
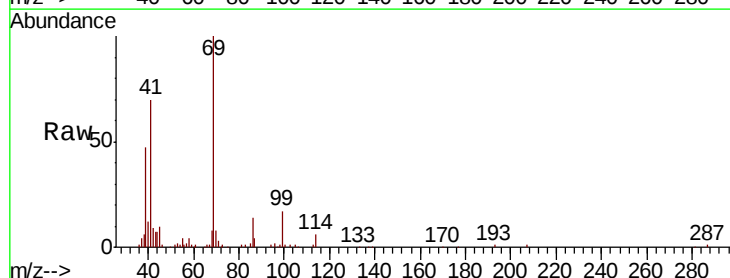
RT: 8.75 min Scan# 823

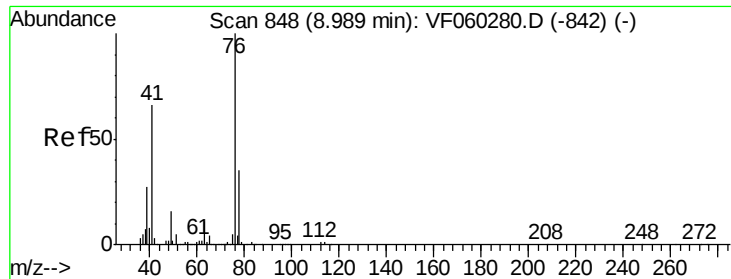
Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Tgt Ion:	69	Resp:	59937
Ion	Ratio	Lower	Upper
69	100		
41	70.1	59.4	89.2
39	47.3	33.5	50.3





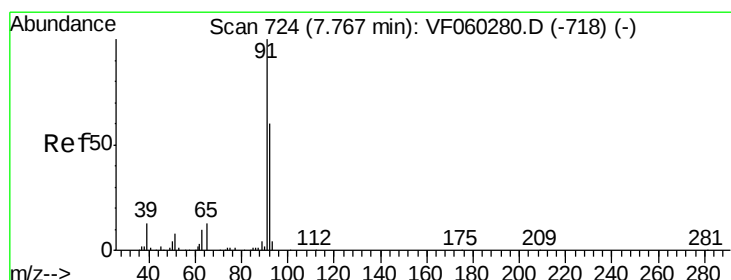
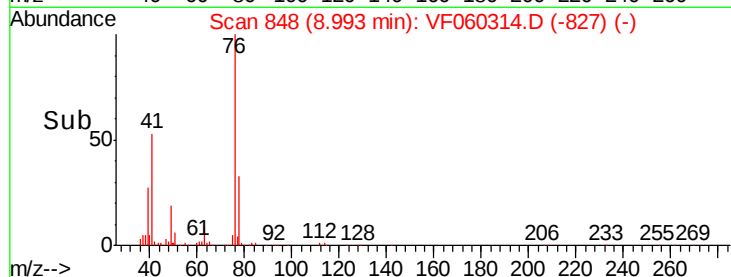
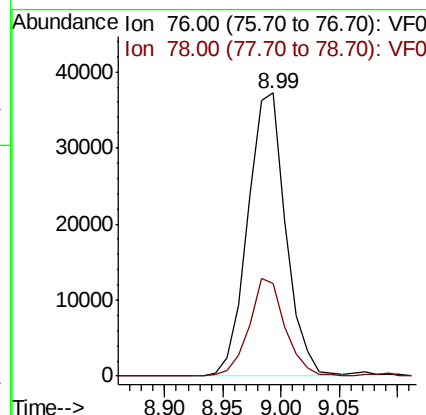
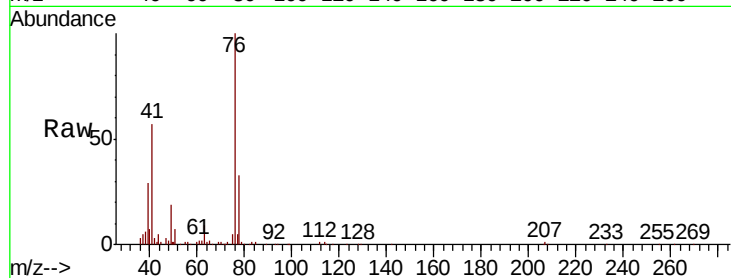
#57
 1,3-Dichloropropane
 Concen: 21.926 ug/l
 RT: 8.99 min Scan# 848
 Delta R.T. 0.00 min
 Lab File: VF060314.D
 Acq: 21 Sep 2018 14:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0921SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	28.2	42.2

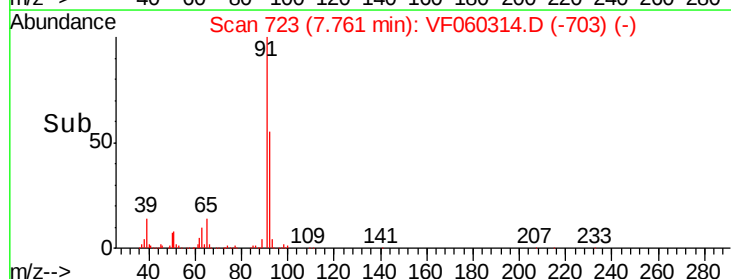
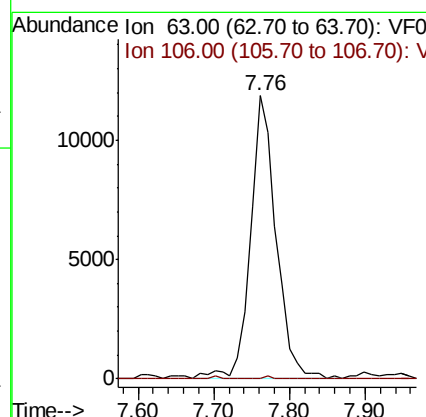
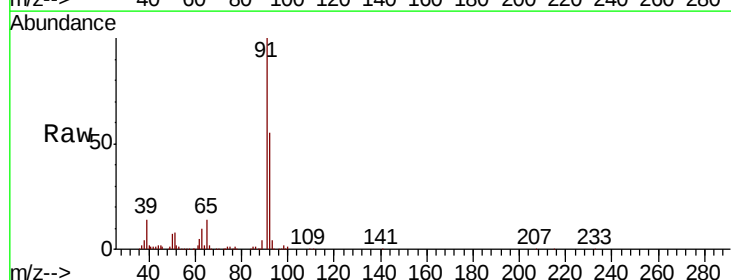
Manual Integrations
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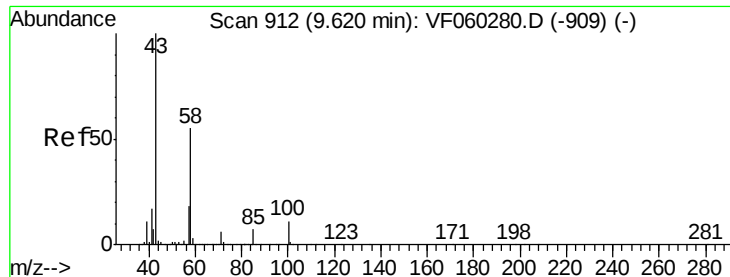
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#58
 2-Chloroethyl Vinyl ether
 Concen: 113.137 ug/l
 RT: 7.76 min Scan# 723
 Delta R.T. -0.01 min
 Lab File: VF060314.D
 Acq: 21 Sep 2018 14:13

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





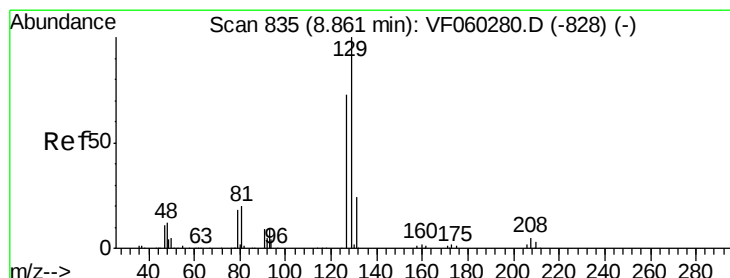
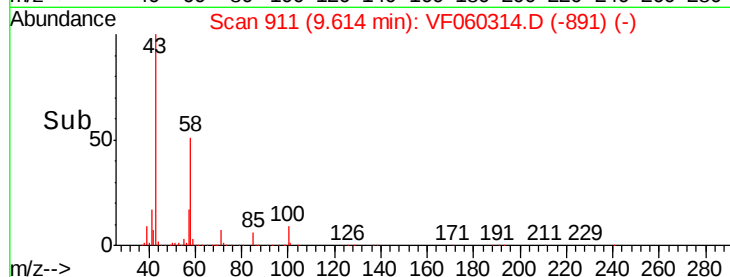
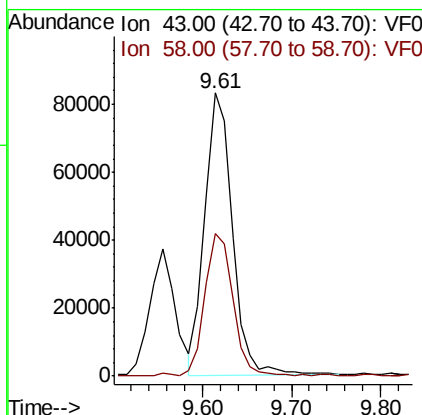
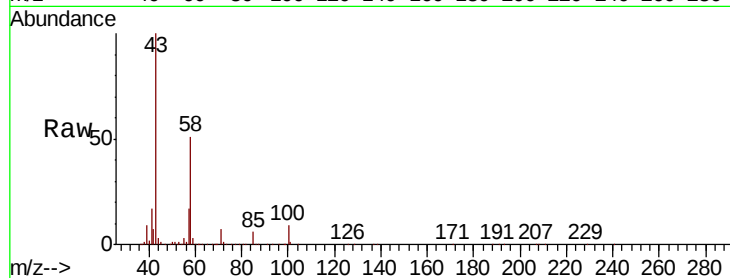
#59
2-Hexanone
Concen: 119.196 ug/l
RT: 9.61 min Scan# 911
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

Instrument :
MSVOA_F
ClientSampleId :
VF0921SBSD01

Tot Ion: 43 Resp: 177603
Ion Ratio Lower Upper
43 100
58 50.6 25.9 77.6

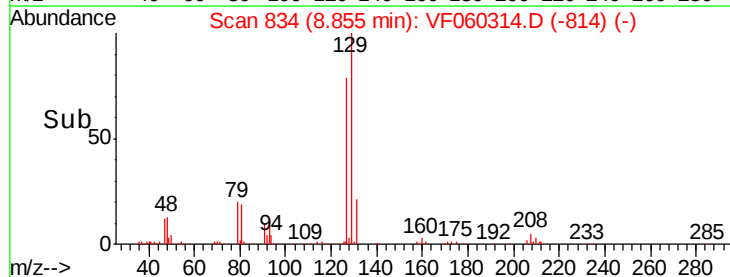
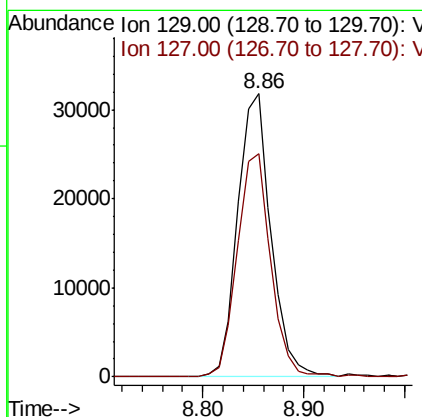
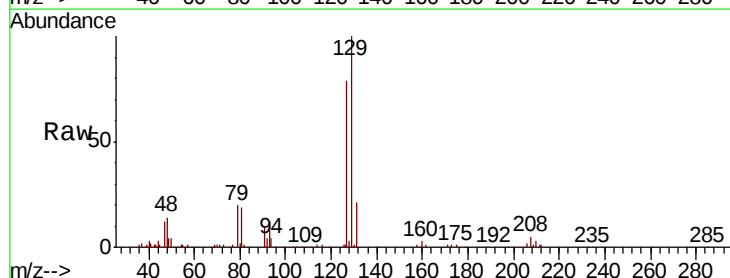
Manual Integrations
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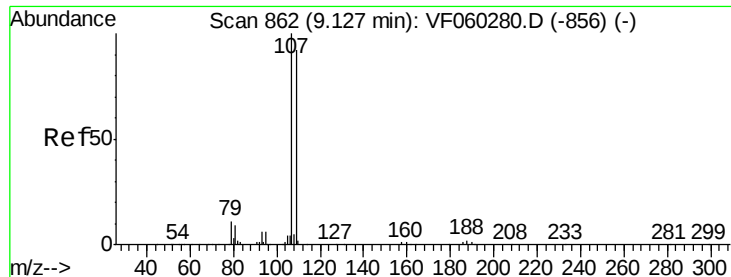
apatel
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#60
Dibromochloromethane
Concen: 21.106 ug/l
RT: 8.86 min Scan# 834
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

Tgt Ion: 129 Resp: 73001
Ion Ratio Lower Upper
129 100
127 78.8 36.6 109.8





#61

1,2-Dibromoethane

Concen: 20.458 ug/l

RT: 9.12 min Scan# 861

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

Tot Ion:107 Resp: 52868

Ion Ratio Lower Upper

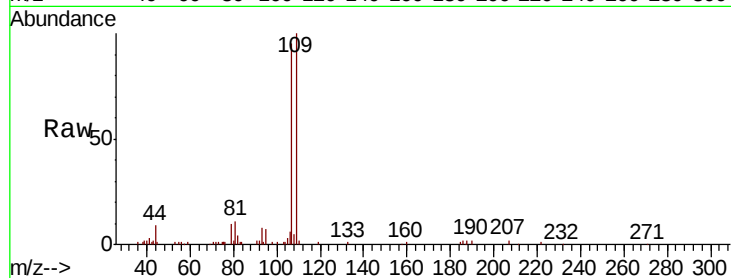
107 100

109 104.8 73.2 109.8

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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

25000

20000

15000

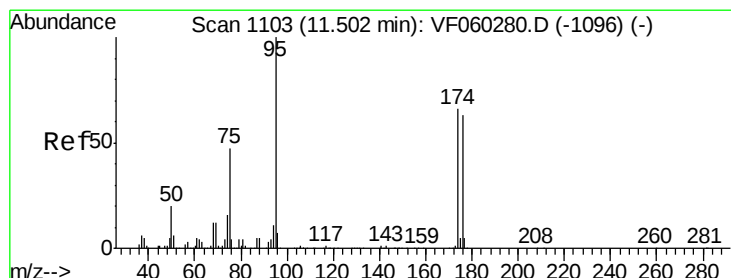
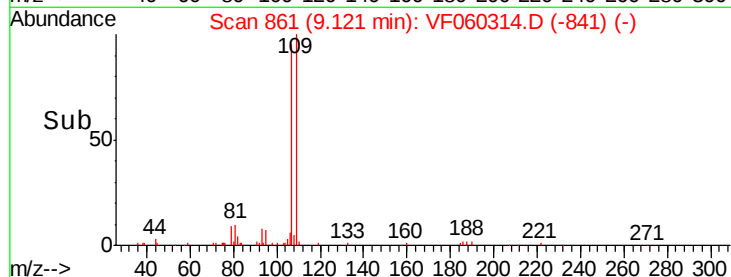
10000

5000

0

Time-->

9.00 9.10 9.20 9.30



#62

4-Bromofluorobenzene

Concen: 49.563 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

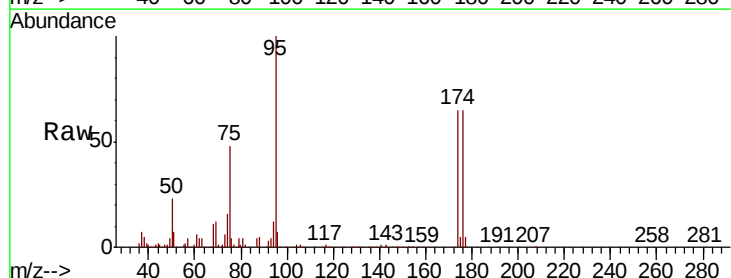
Tgt Ion: 95 Resp: 212537

Ion Ratio Lower Upper

95 100

174 65.2 0.0 131.2

176 64.8 0.0 126.6



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

150000

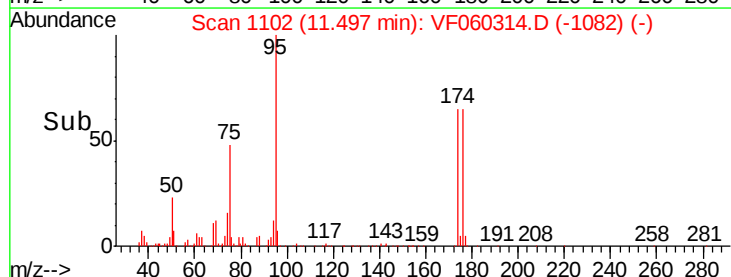
100000

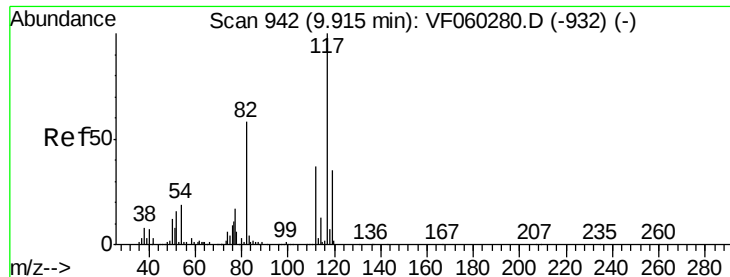
50000

0

Time-->

11.40 11.50 11.60





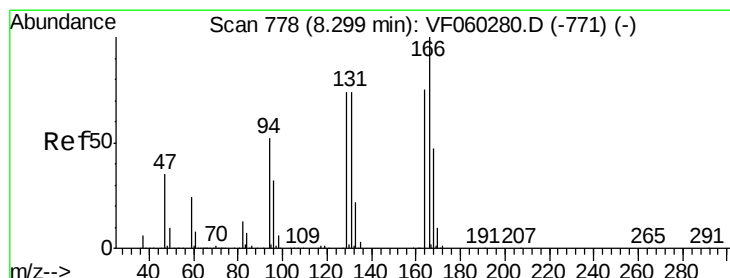
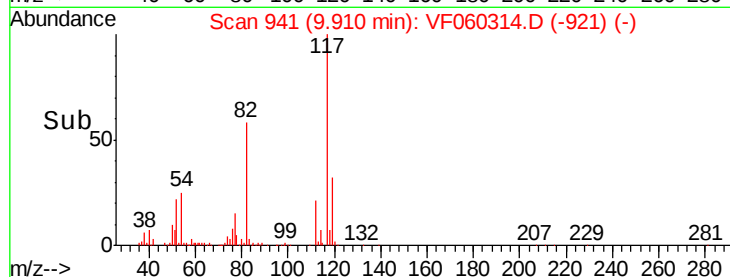
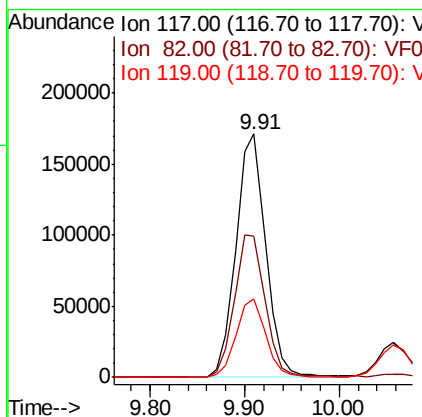
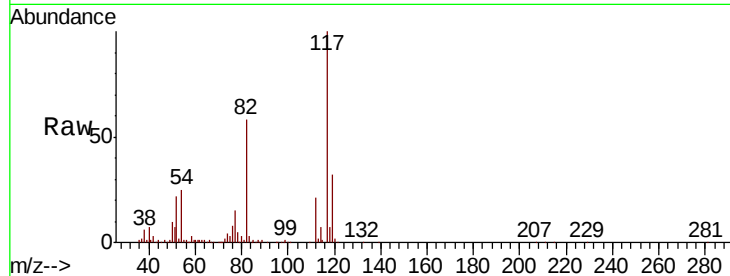
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	374808		
82	57.8	46.2	69.2	
119	32.2	27.8	41.6	

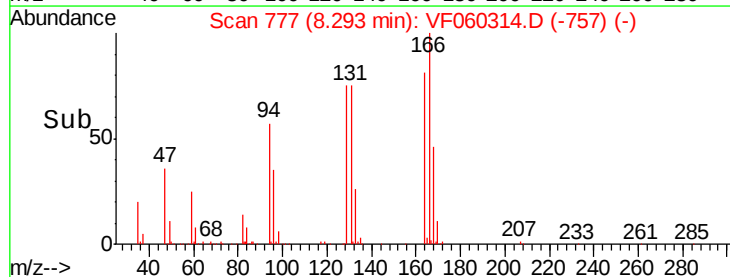
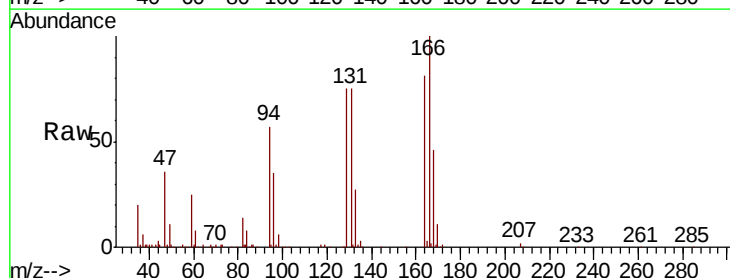
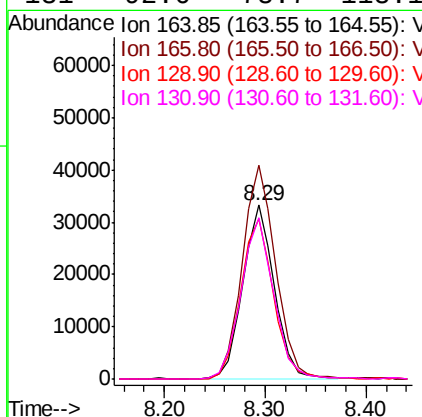
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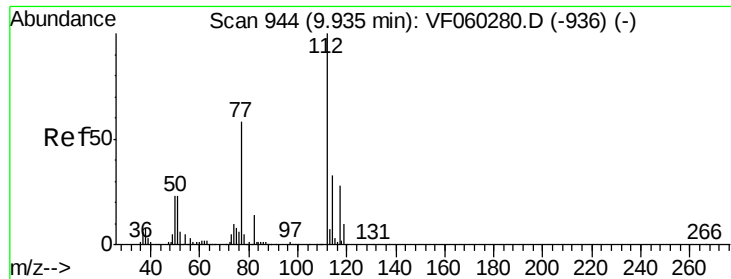
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#64
Tetrachloroethene
Concen: 21.330 ug/l
RT: 8.29 min Scan# 777
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	72475		
166	122.8	106.8	160.2	
129	91.7	78.8	118.2	
131	92.6	78.7	118.1	





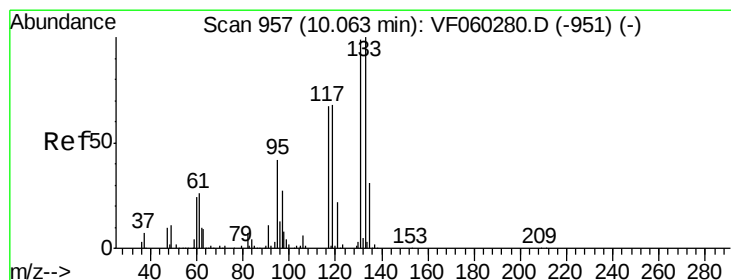
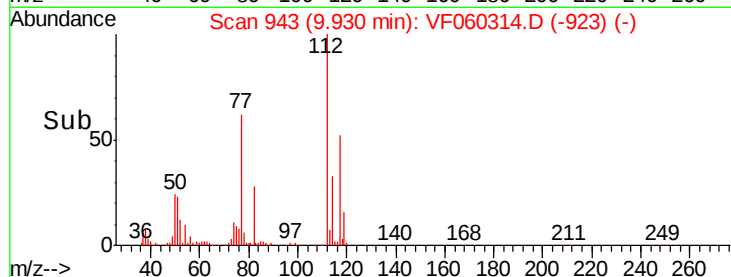
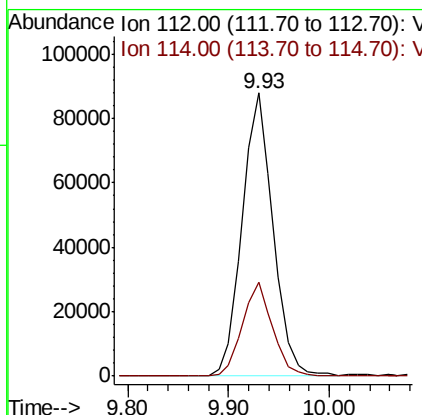
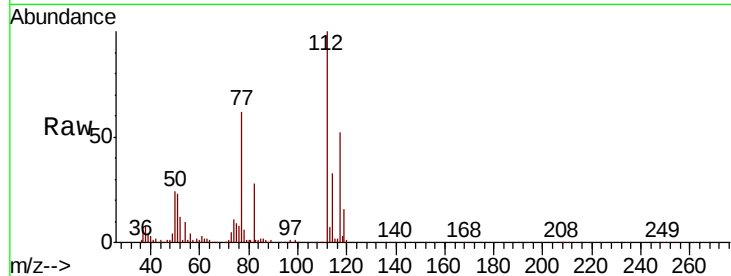
#65
Chlorobenzene
Concen: 22.100 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

Tot Ion:112 Resp: 187738
Ion Ratio Lower Upper
112 100
114 33.2 26.6 40.0

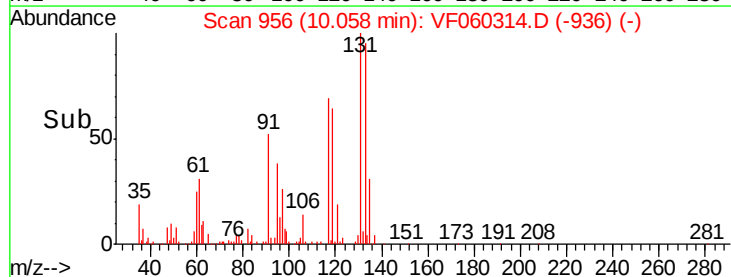
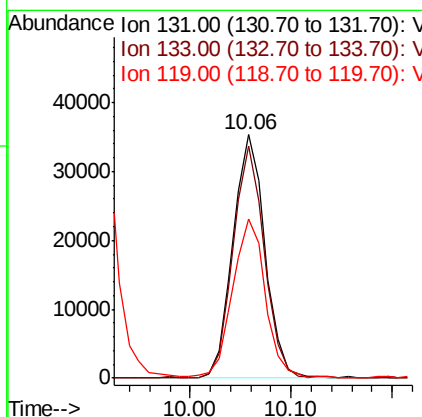
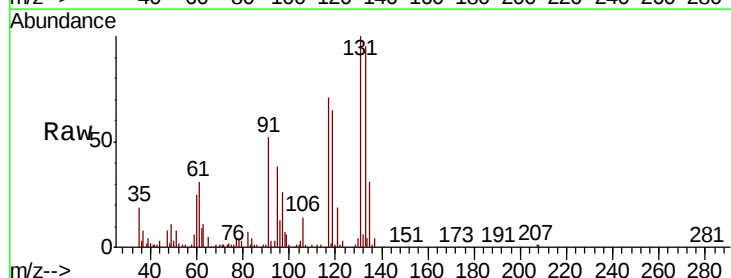
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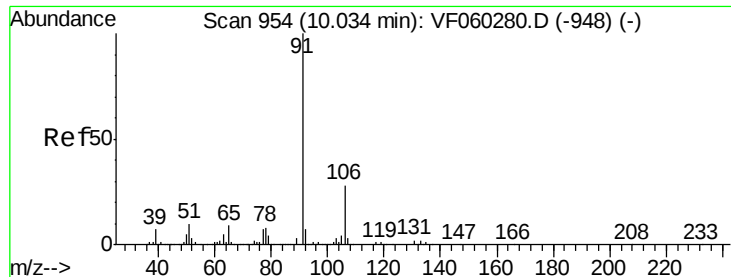
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.090 ug/l
RT: 10.06 min Scan# 956
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

Tgt Ion:131 Resp: 77874
Ion Ratio Lower Upper
131 100
133 95.1 50.4 151.2
119 65.1 34.8 104.3





#67

Ethyl Benzene

Concen: 22.770 ug/l

RT: 10.03 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

Tot Ion: 91 Resp: 357635

Ion Ratio Lower Upper

91 100

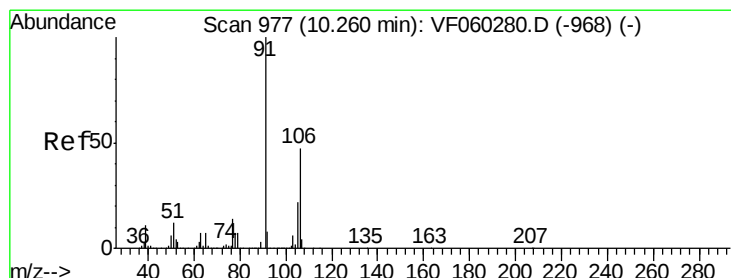
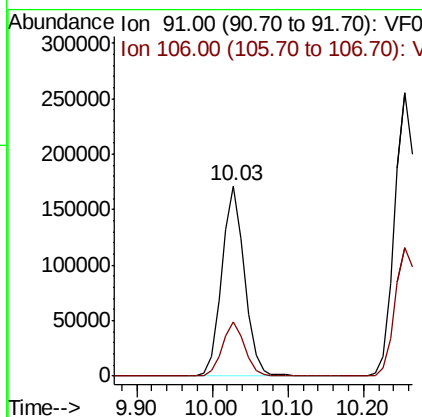
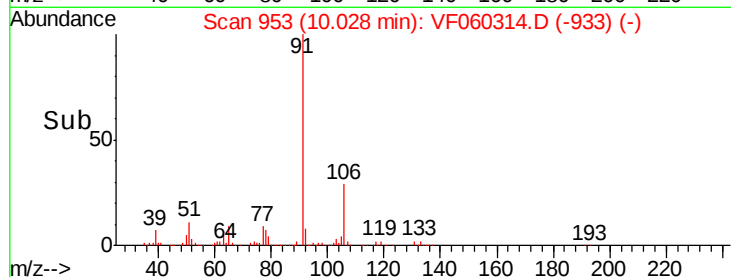
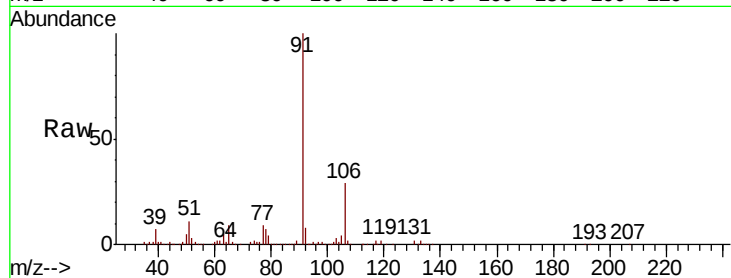
106 28.7 22.7 34.1

Manual Integrations

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#68

m/p-Xylenes

Concen: 44.732 ug/l

RT: 10.25 min Scan# 976

Delta R.T. -0.01 min

Lab File: VF060314.D

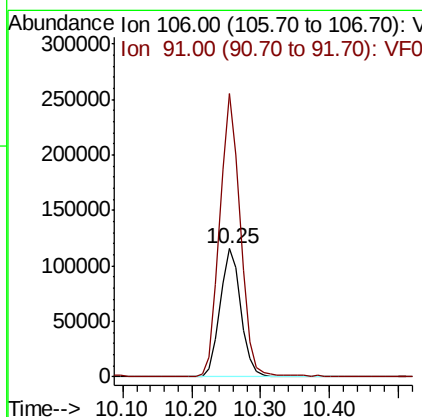
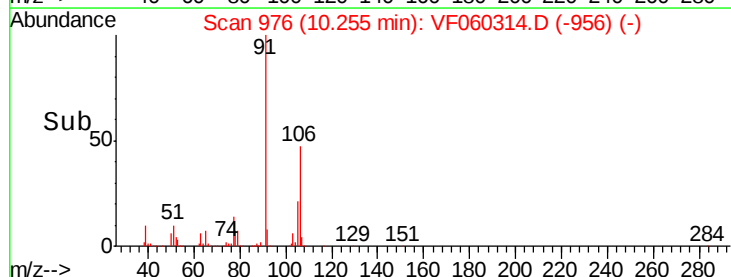
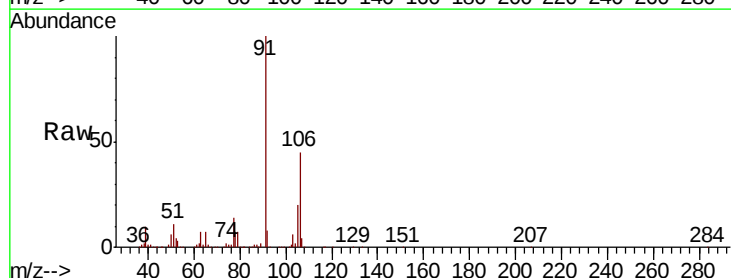
Acq: 21 Sep 2018 14:13

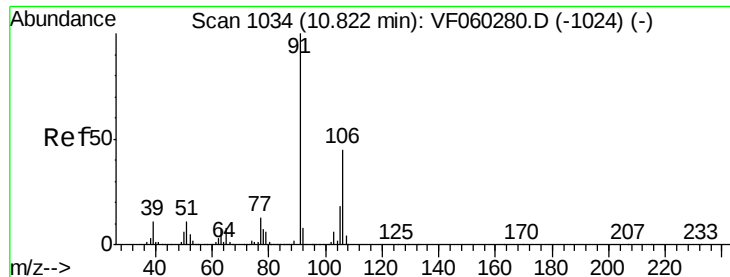
Tgt Ion: 106 Resp: 242735

Ion Ratio Lower Upper

106 100

91 221.3 172.3 258.5





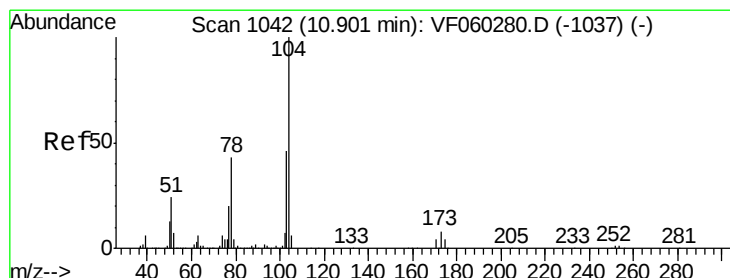
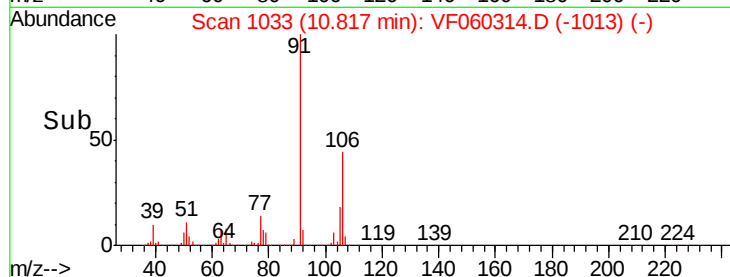
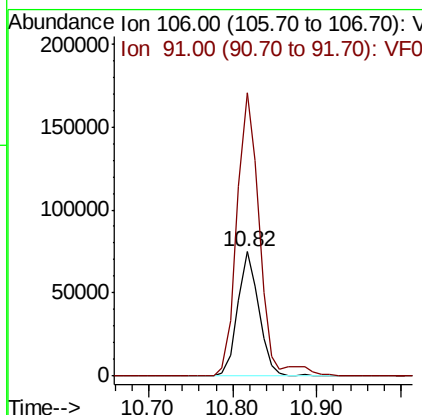
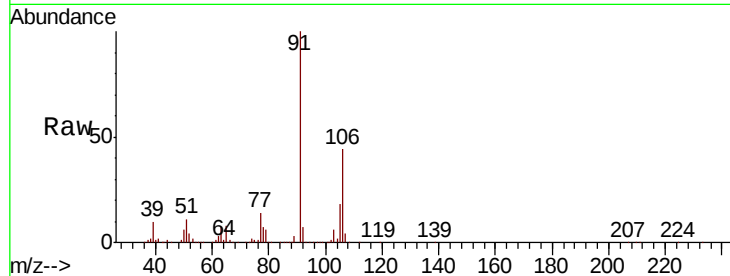
#69
o-Xylene
Concen: 21.771 ug/l
RT: 10.82 min Scan# 1033
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	227.3	110.9	332.6	

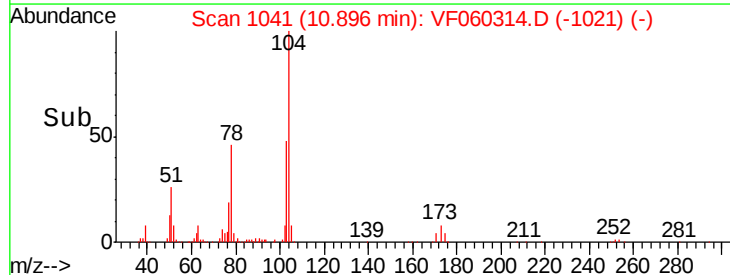
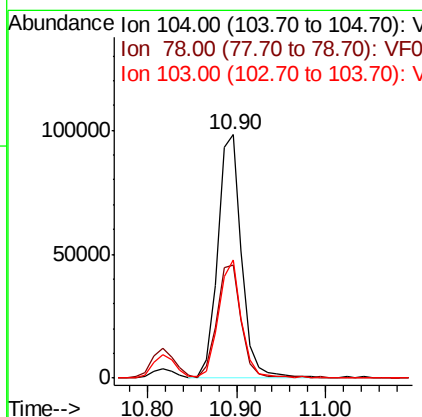
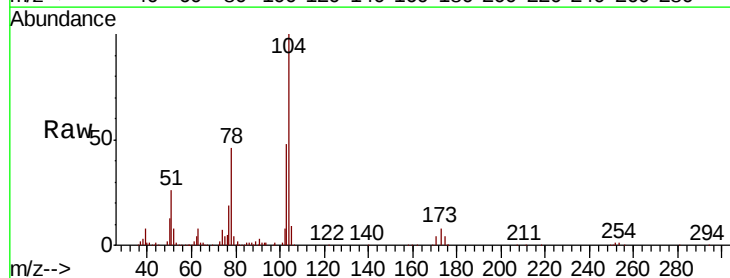
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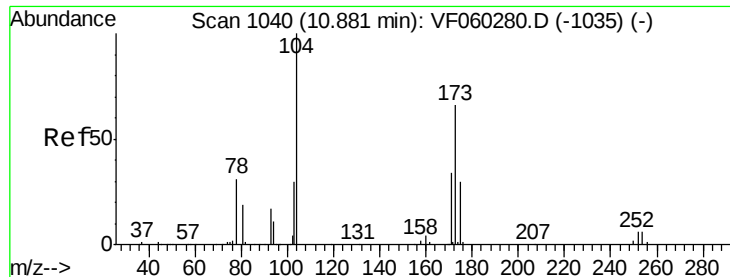
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#70
Styrene
Concen: 21.386 ug/l
RT: 10.90 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	46.3	35.0	52.6	
103	48.4	37.4	56.0	





#71

Bromoform

Concen: 20.649 ug/l

RT: 10.88 min Scan# 1039

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

Tot Ion:173 Resp: 39978

Ion Ratio Lower Upper

173 100

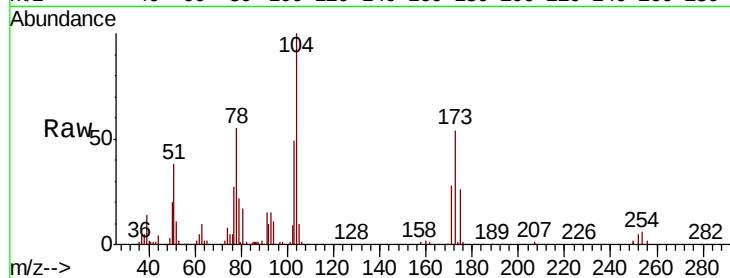
175 47.3 22.3 66.9

254 0.0 0.0 0.0

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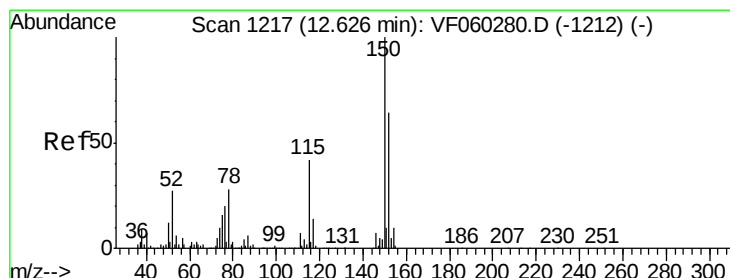
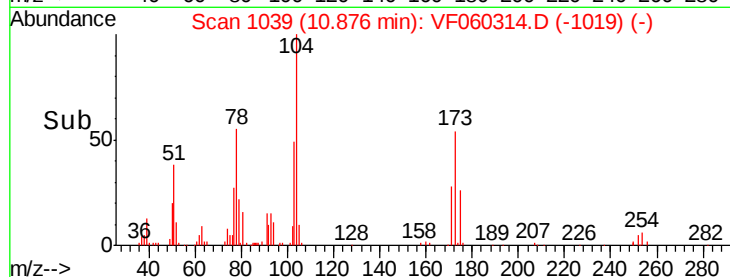
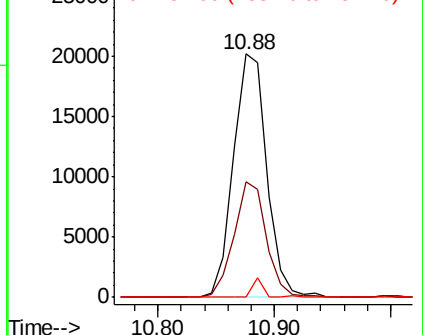


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

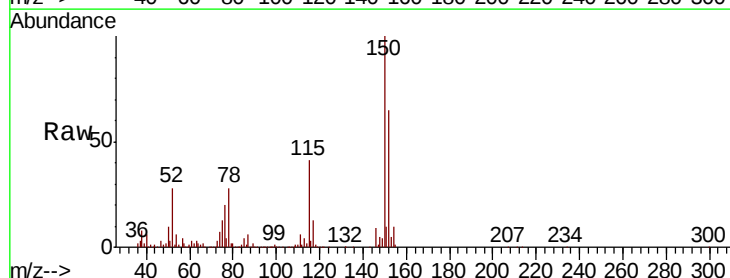
Tgt Ion:152 Resp: 193888

Ion Ratio Lower Upper

152 100

115 63.1 32.6 97.8

150 153.6 0.0 314.2

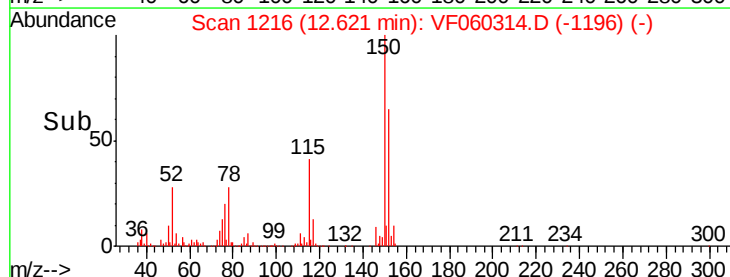
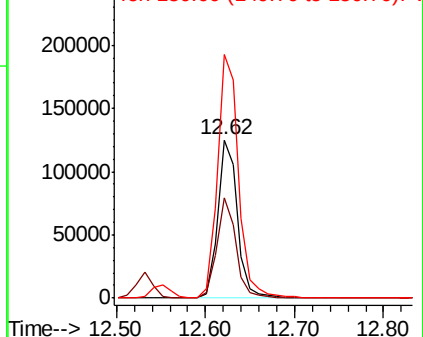


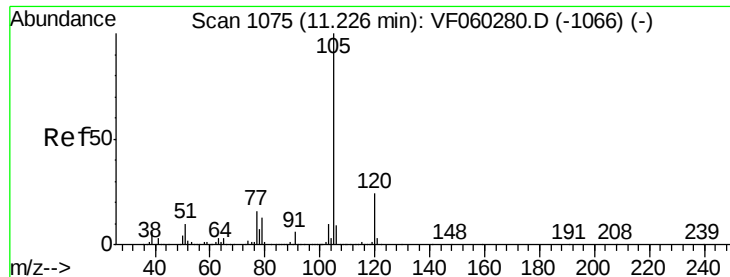
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 23.012 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

Tot Ion:105 Resp: 400551

Ion Ratio Lower Upper

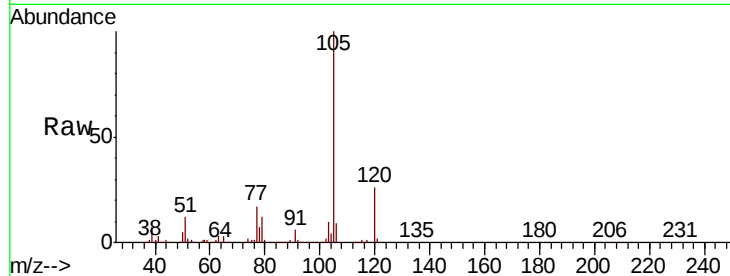
105 100

120 25.7 12.2 36.6

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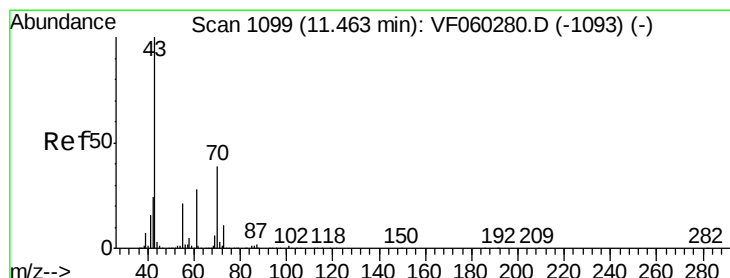
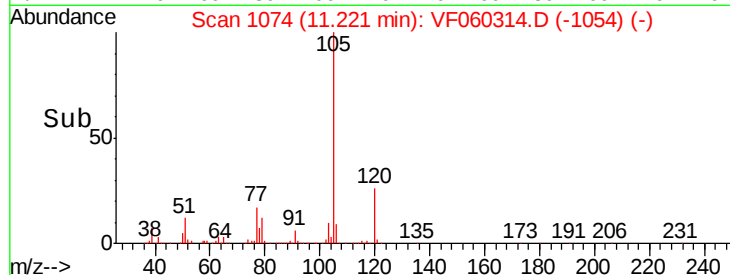
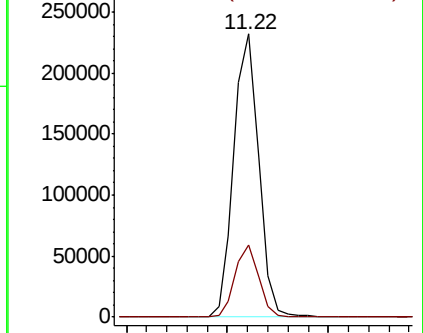
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 26.207 ug/l

RT: 11.46 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Tgt Ion: 43 Resp: 97271

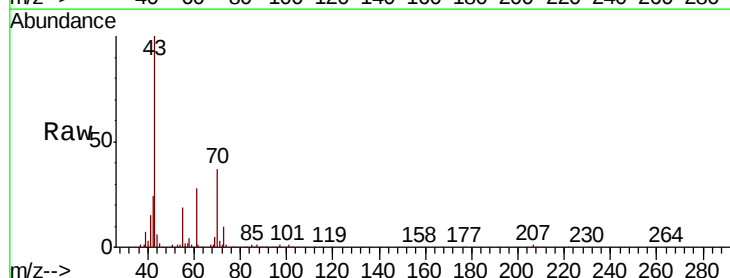
Ion Ratio Lower Upper

43 100

70 36.6 31.4 47.2

55 19.3 16.8 25.2

61 28.3 22.6 34.0

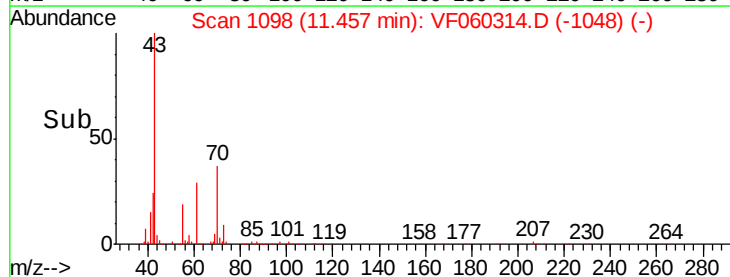
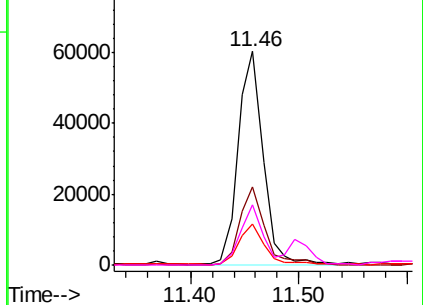


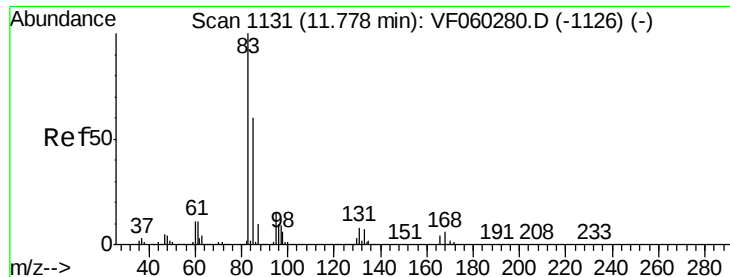
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.153 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

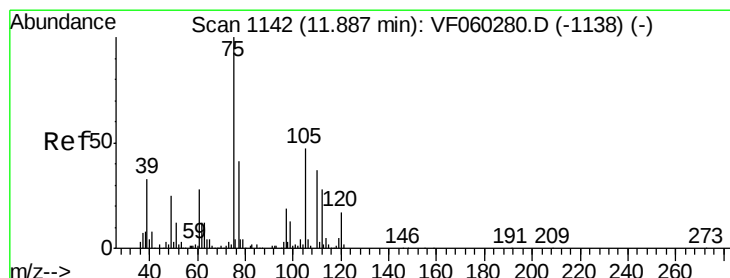
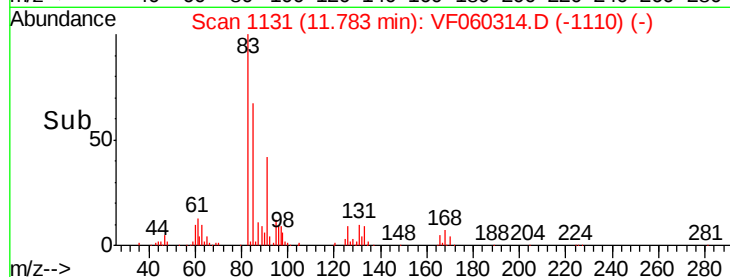
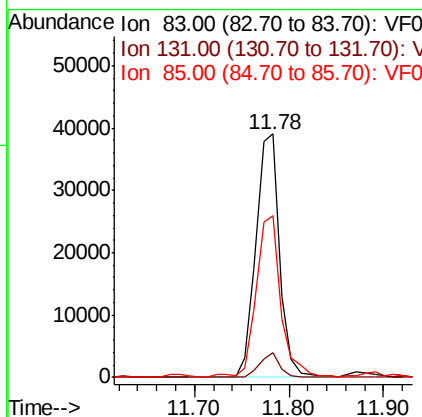
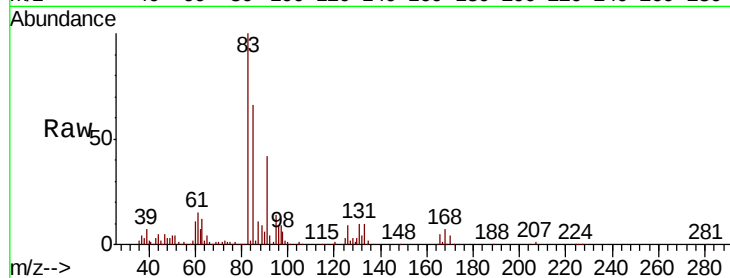
ClientSampleId :

VF0921SBS01

Tot Ion:	83	Resp:	68335
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.2	12.4
85	66.3	30.1	90.5

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#76

1,2,3-Trichloropropane

Concen: 22.014 ug/l

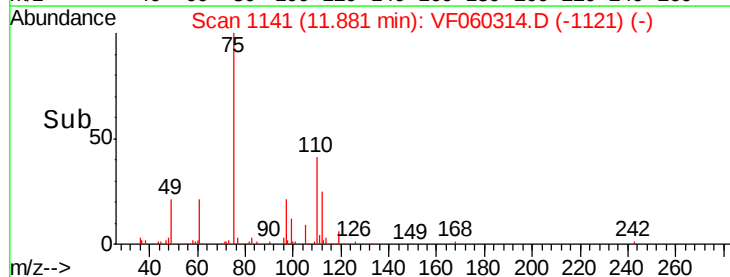
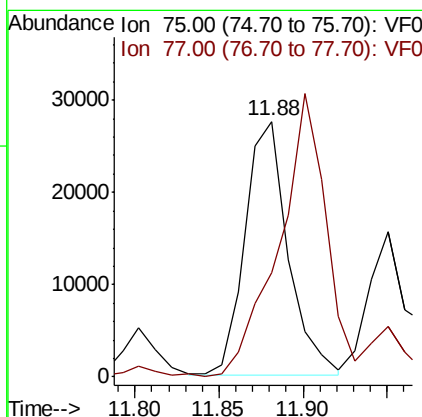
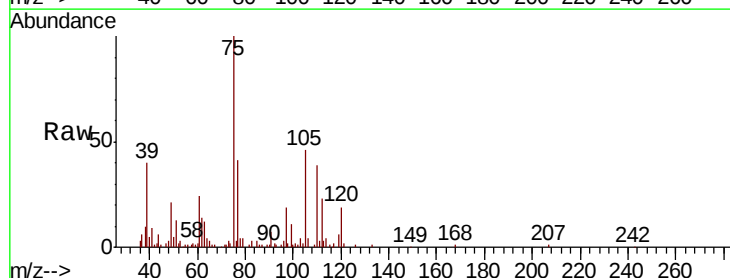
RT: 11.88 min Scan# 1141

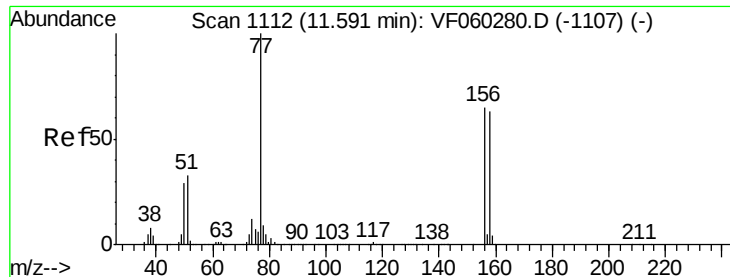
Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Tgt Ion:	75	Resp:	48623
Ion Ratio	Lower	Upper	
75	100		
77	40.8	20.5	61.5





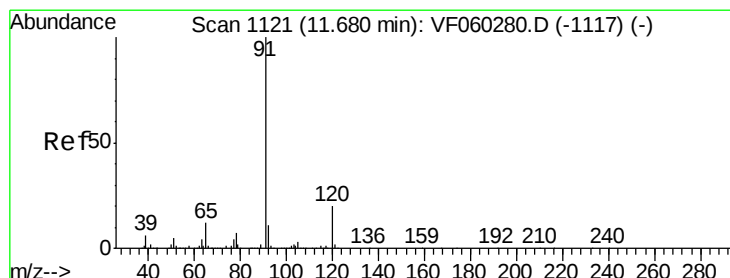
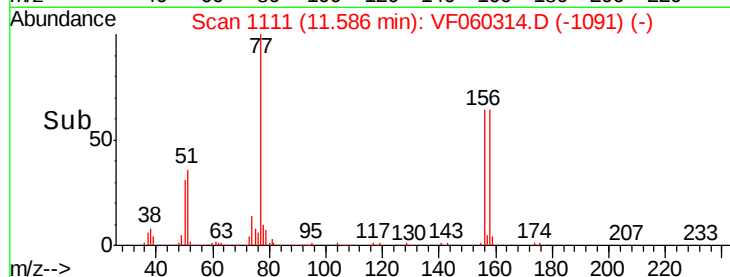
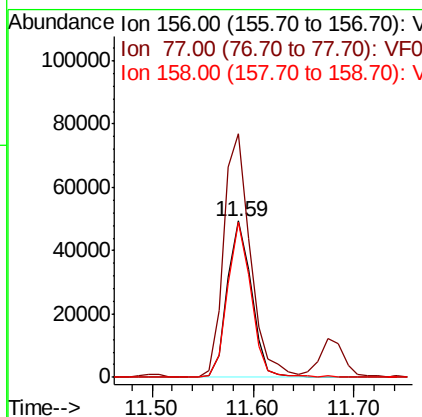
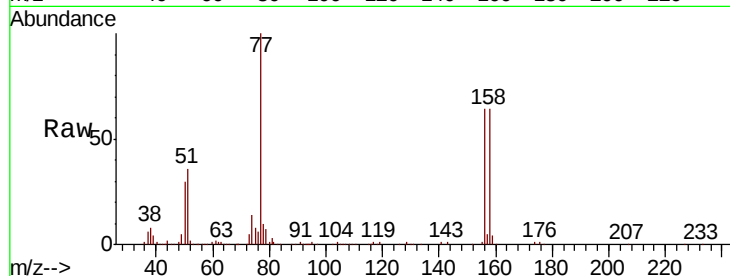
#77
Bromobenzene
Concen: 21.998 ug/l
RT: 11.59 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	155.7	77.3	232.1	
158	99.3	48.4	145.2	

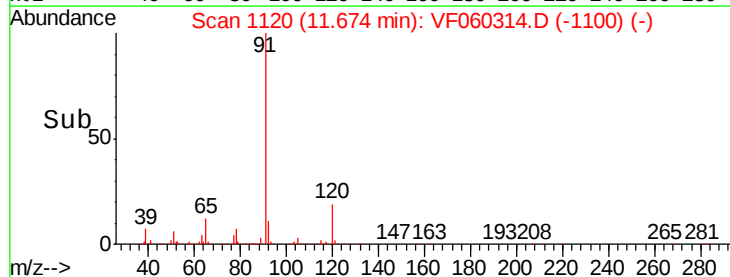
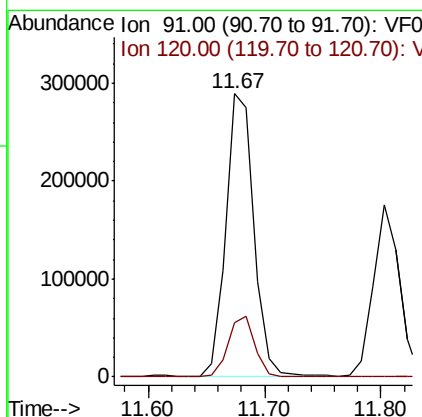
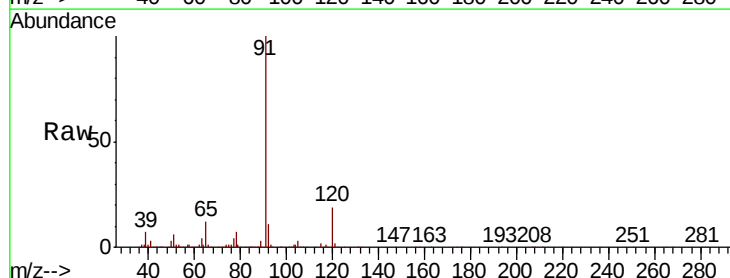
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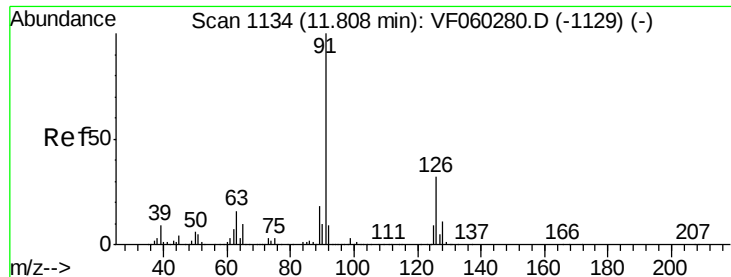
apatel
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#78
n-propylbenzene
Concen: 23.555 ug/l
RT: 11.67 min Scan# 1120
Delta R.T. -0.00 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	19.1	10.0	29.8	





#79

2-Chlorotoluene

Concen: 22.990 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

Tot Ion: 91 Resp: 269928

Ion Ratio Lower Upper

91 100

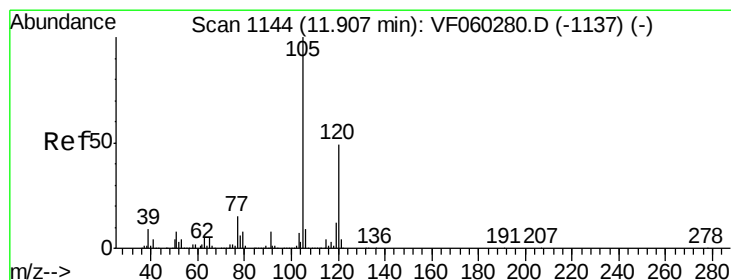
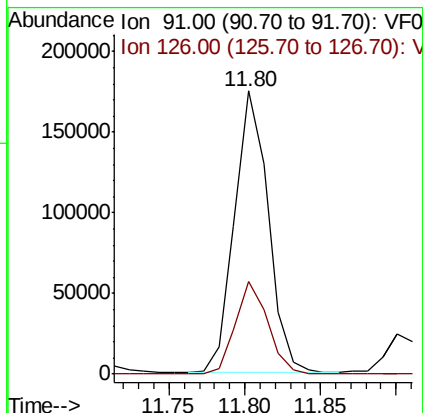
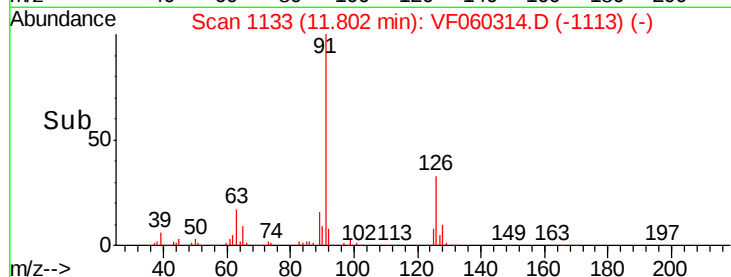
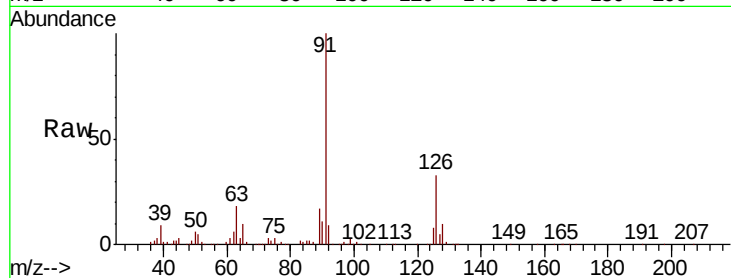
126 32.5 16.1 48.3

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#80

1,3,5-Trimethylbenzene

Concen: 23.840 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF060314.D

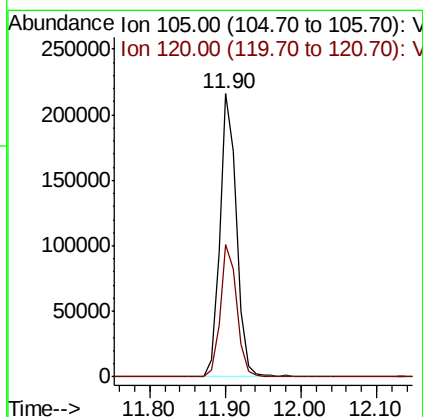
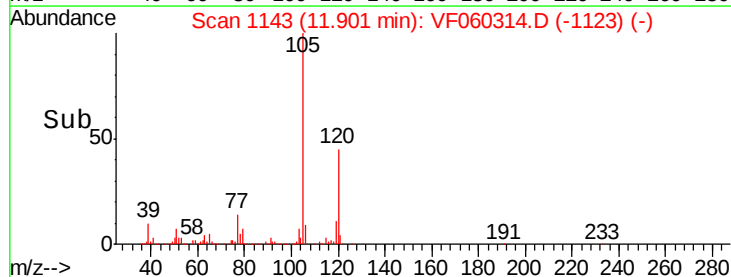
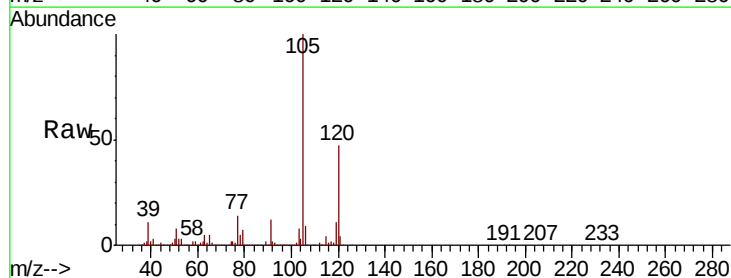
Acq: 21 Sep 2018 14:13

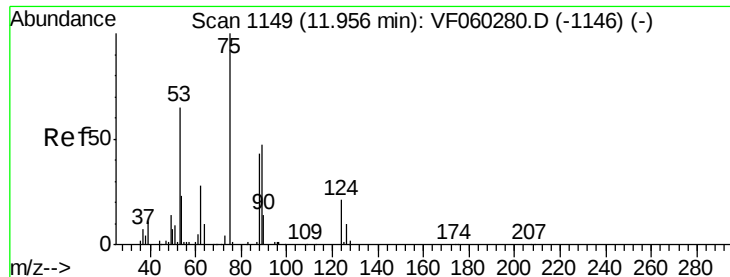
Tgt Ion: 105 Resp: 334024

Ion Ratio Lower Upper

105 100

120 46.7 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.475 ug/l m

RT: 11.95 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

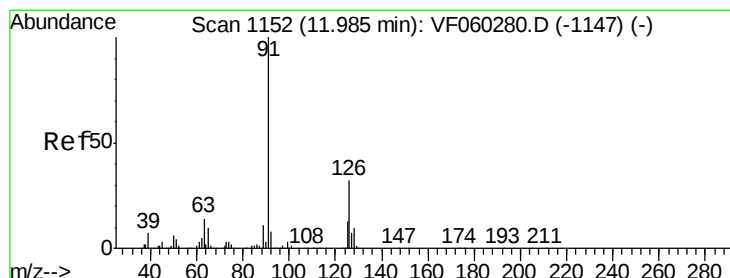
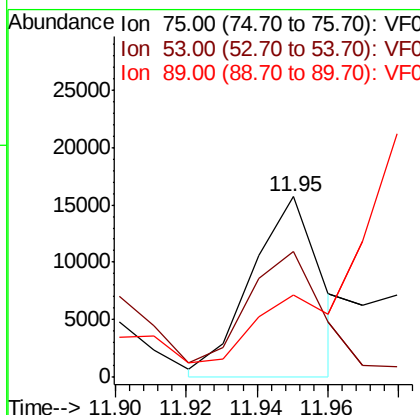
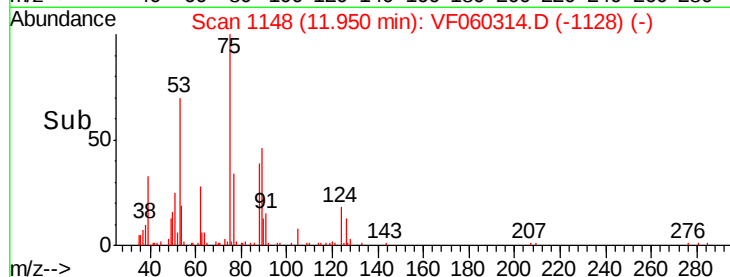
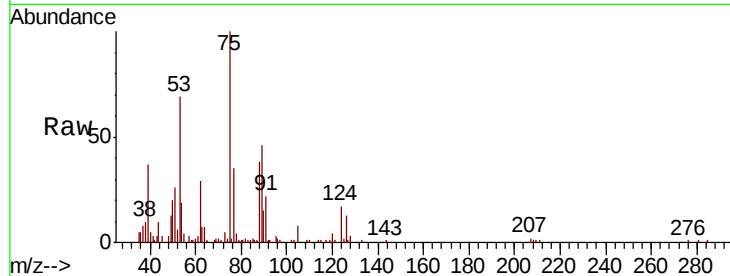
ClientSampleId :

VF0921SBS01

Tot Ion:	75	Resp:	21565
Ion Ratio	Lower	Upper	
75	100		
53	69.4	56.5	84.7
89	45.7	40.6	60.8

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#82

4-Chlorotoluene

Concen: 23.544 ug/l

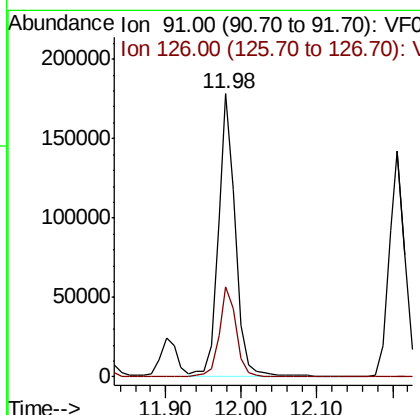
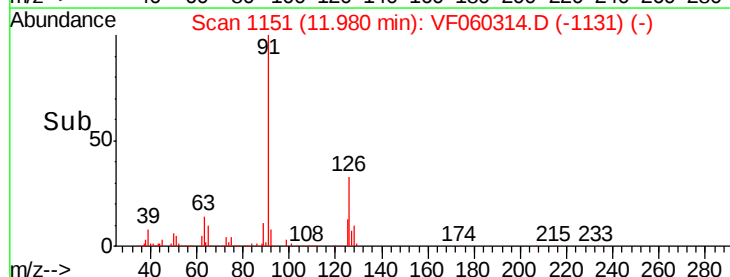
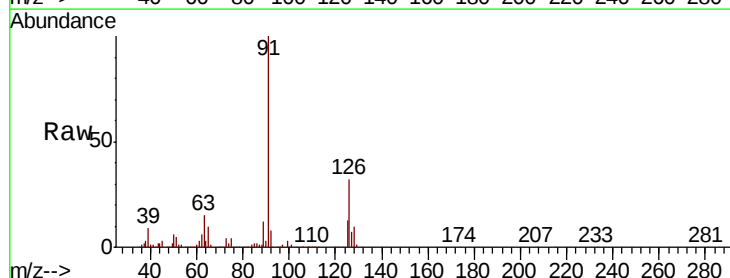
RT: 11.98 min Scan# 1151

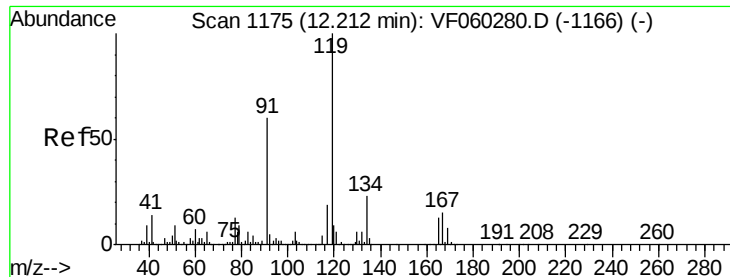
Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Tgt Ion:	91	Resp:	277847
Ion Ratio	Lower	Upper	
91	100		
126	31.7	16.1	48.2





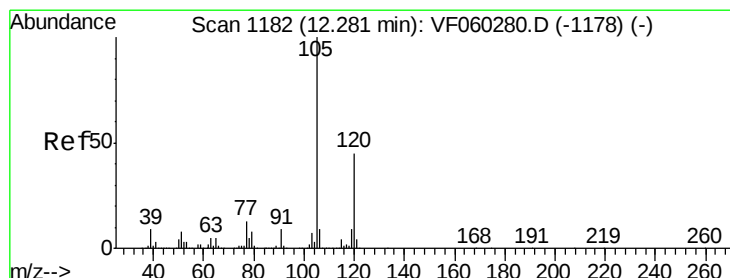
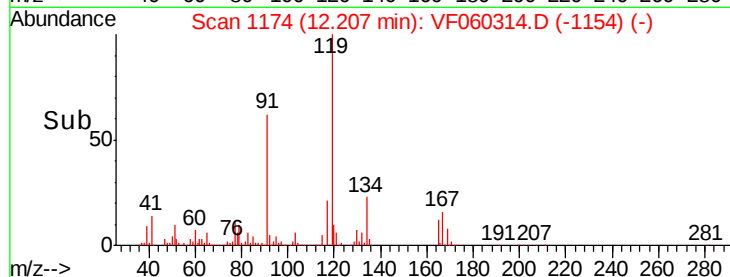
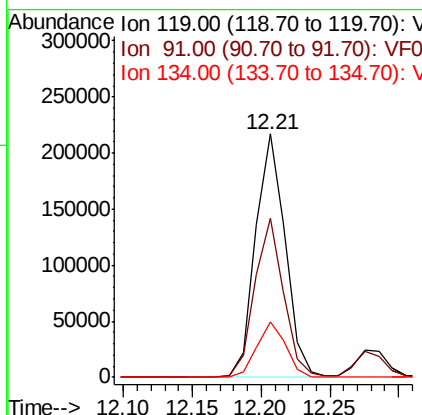
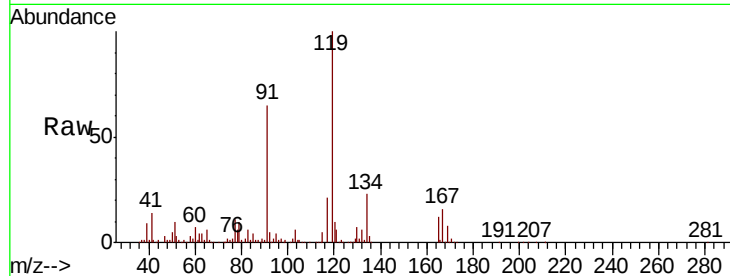
#83
tert-Butylbenzene
Concen: 23.091 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	327967		
91	65.5	30.3	91.0	
134	22.6	11.6	34.8	

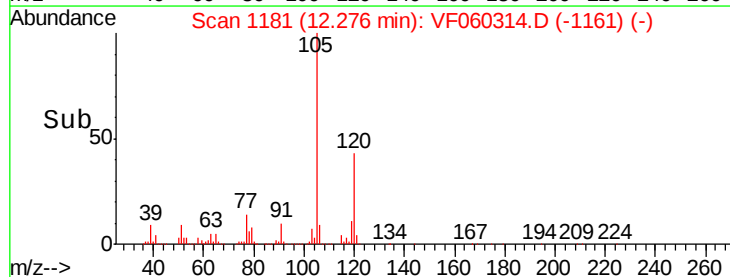
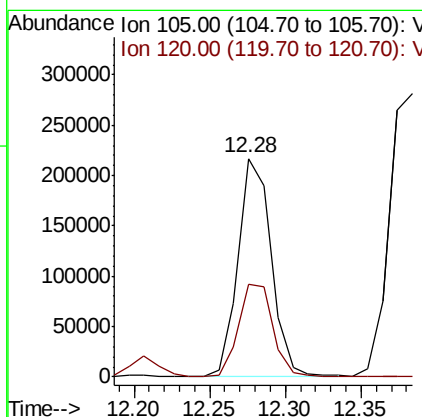
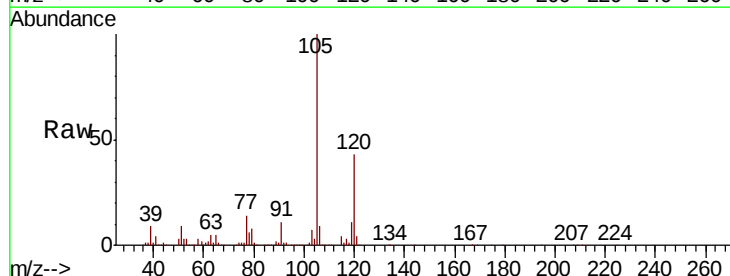
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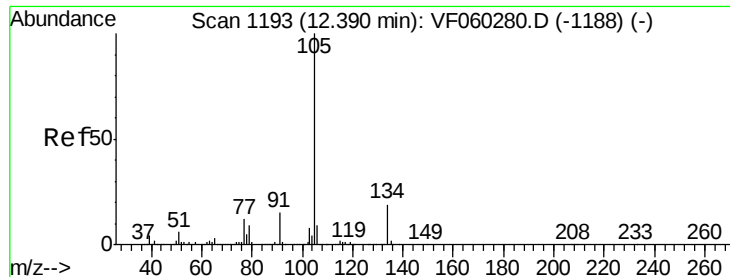
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#84
1,2,4-Trimethylbenzene
Concen: 23.195 ug/l
RT: 12.28 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	330006		
120	42.7	22.4	67.0	





#85

sec-Butylbenzene

Concen: 22.628 ug/l

RT: 12.38 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

Tot Ion:105 Resp: 449907

Ion Ratio Lower Upper

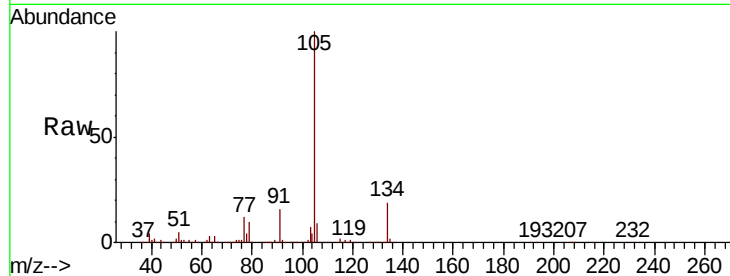
105 100

134 18.9 9.6 28.6

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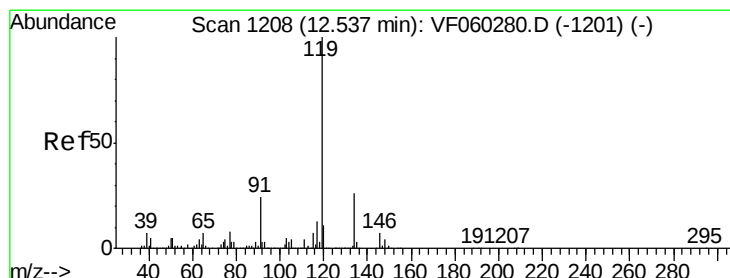
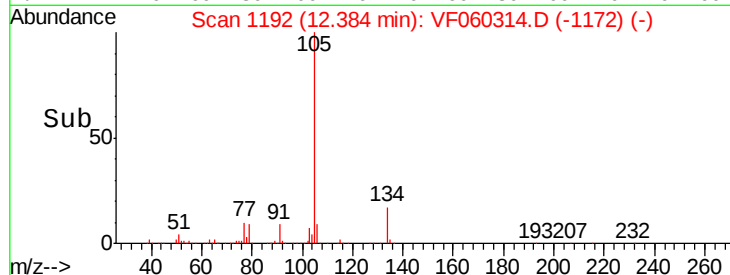
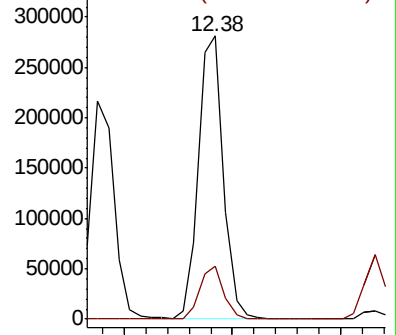
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.579 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

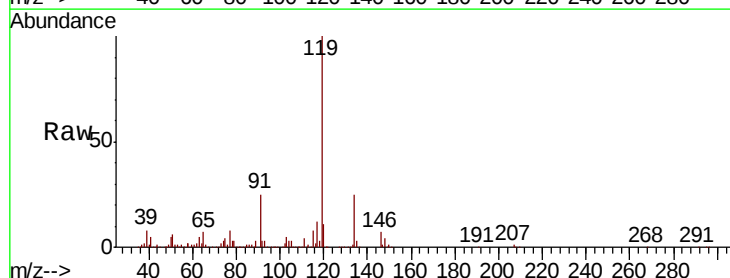
Tgt Ion:119 Resp: 355785

Ion Ratio Lower Upper

119 100

134 25.1 12.9 38.7

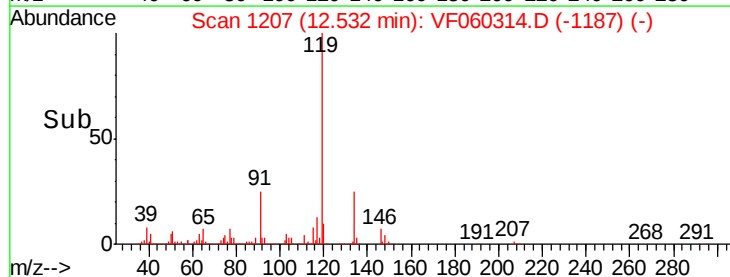
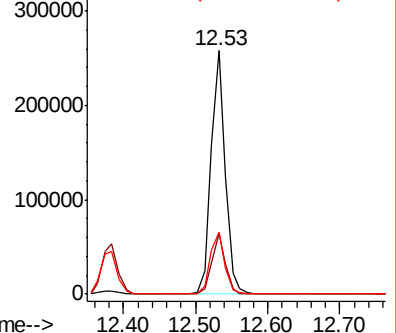
91 25.3 11.9 35.7

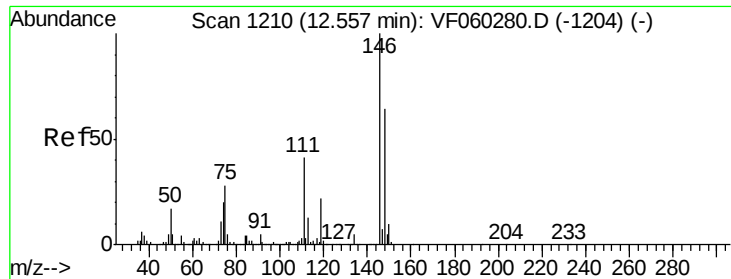


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 23.179 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

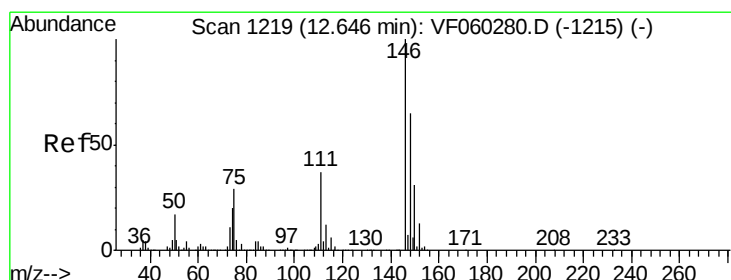
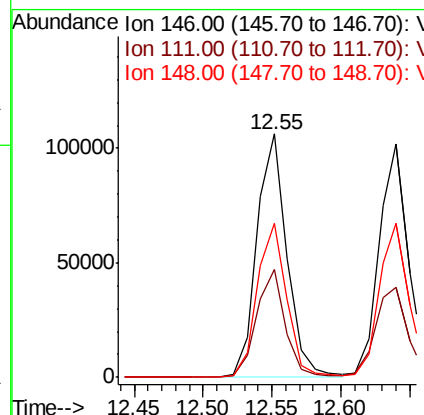
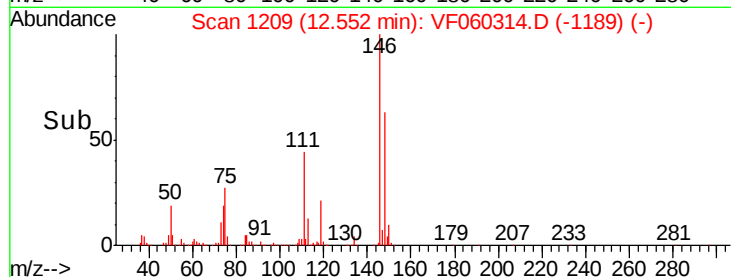
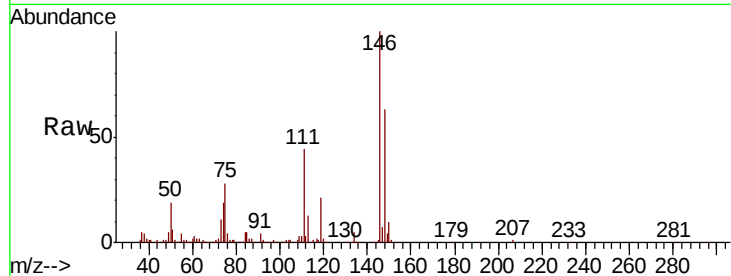
Instrument :
MSVOA_F

ClientSampleId :
VF0921SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	20.5	61.6
148	63.4	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 21.912 ug/l

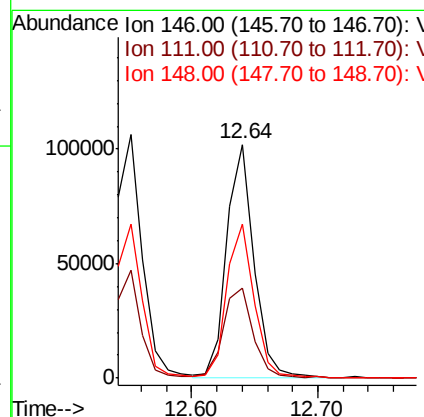
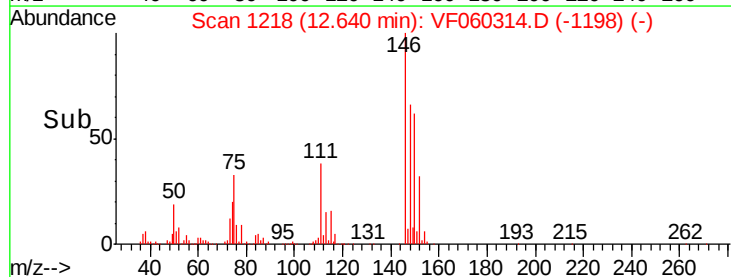
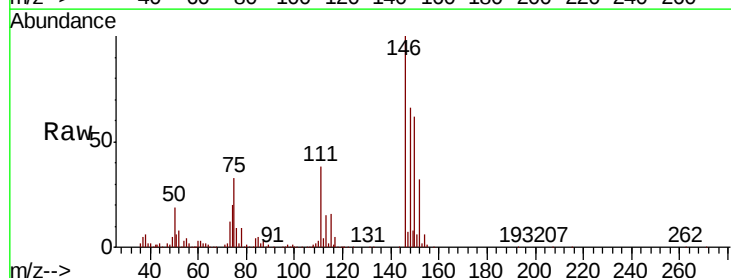
RT: 12.64 min Scan# 1218

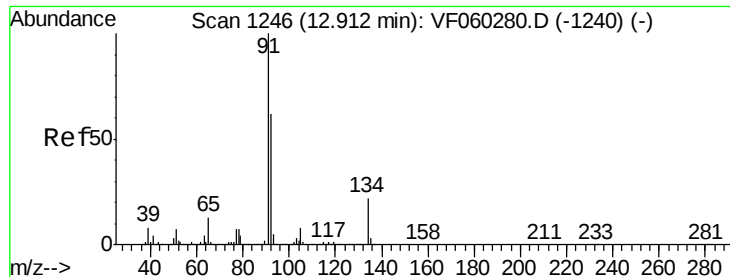
Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.7	56.1
148	65.7	32.4	97.0





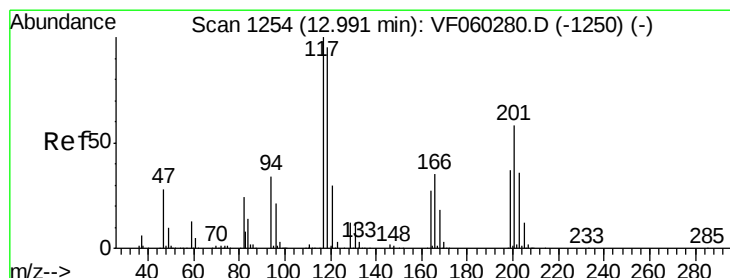
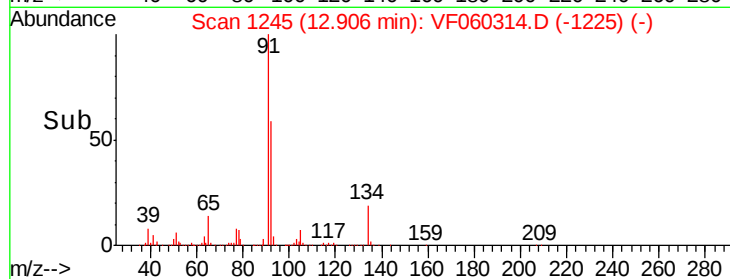
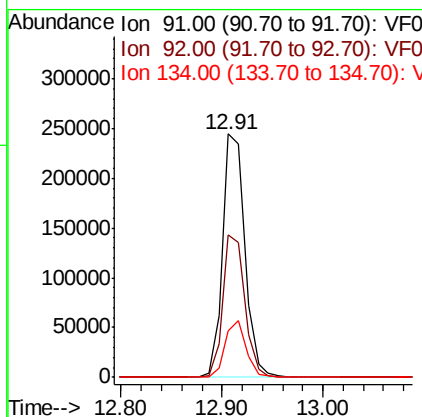
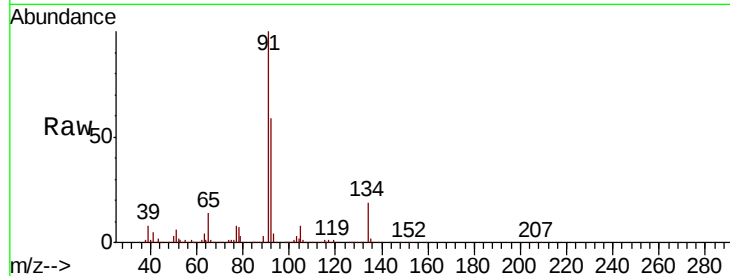
#89
n-Butylbenzene
Concen: 22.132 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

Tot Ion:	91	Resp:	378415
Ion Ratio	Lower	Upper	
91	100		
92	58.6	31.1	93.5
134	19.2	11.0	33.0

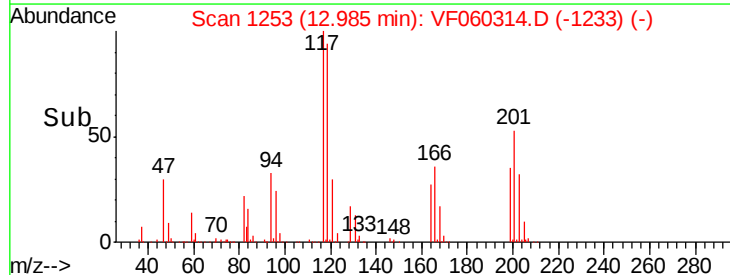
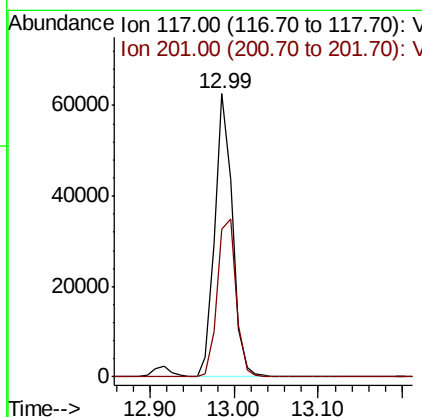
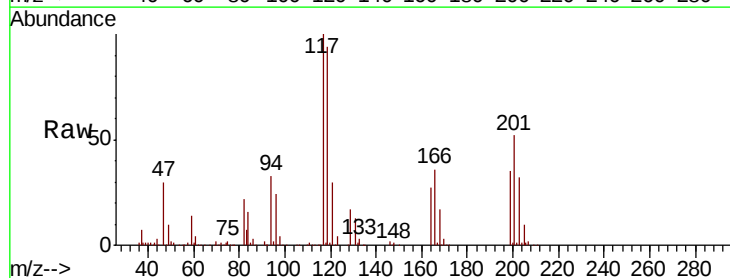
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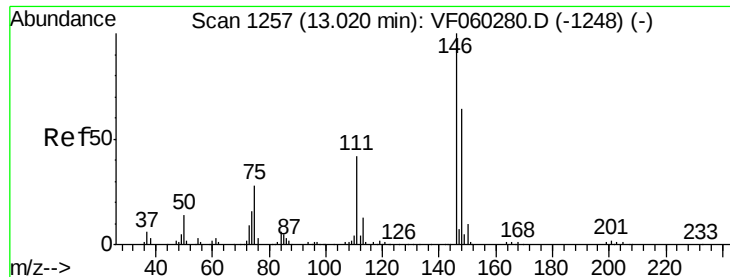
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#90
Hexachloroethane
Concen: 23.032 ug/l
RT: 12.99 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

Tgt Ion:	117	Resp:	91540
Ion Ratio	Lower	Upper	
117	100		
201	53.5	29.0	87.0





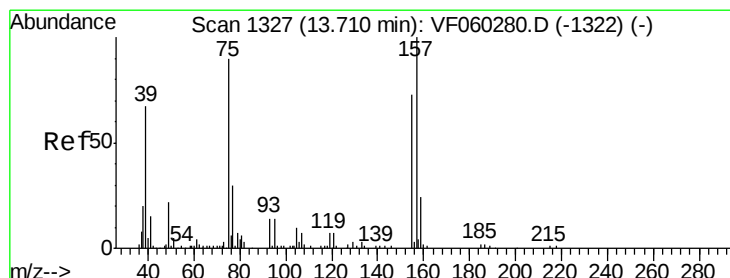
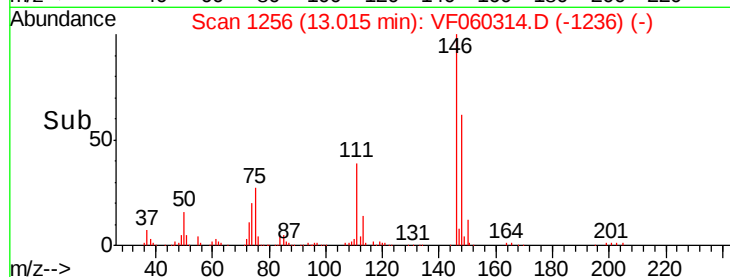
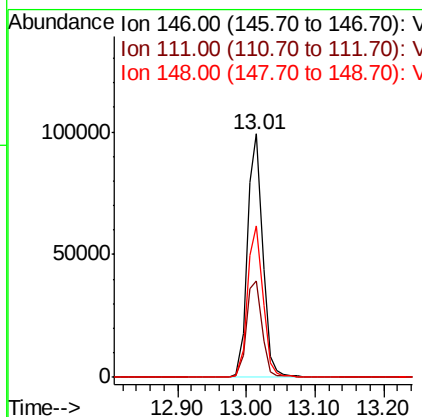
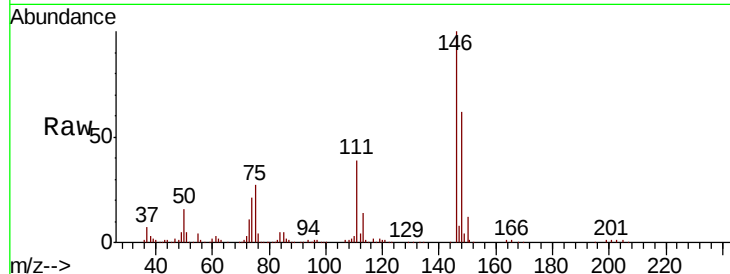
#91
 1,2-Dichlorobenzene
 Concen: 22.713 ug/l
 RT: 13.01 min Scan# 1256
 Delta R.T. -0.01 min
 Lab File: VF060314.D
 Acq: 21 Sep 2018 14:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0921SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.9	62.8
148	62.4	31.9	95.9

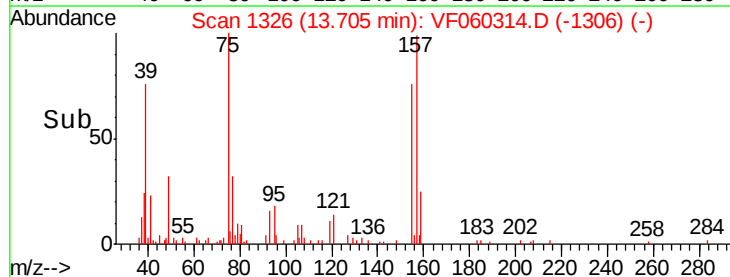
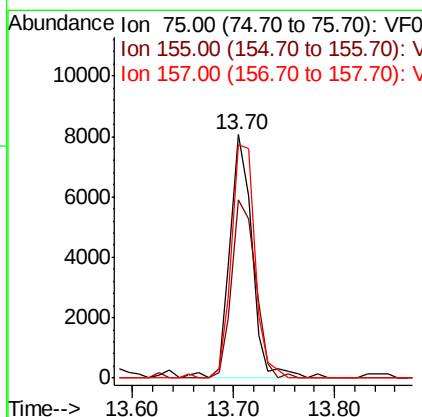
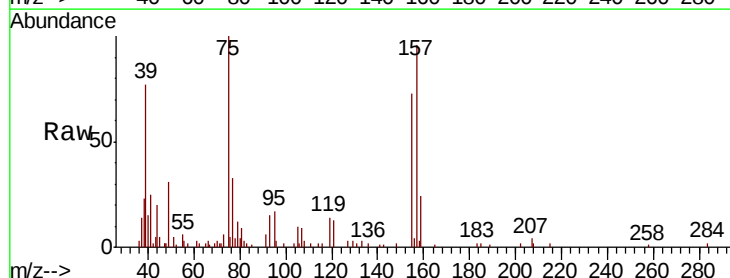
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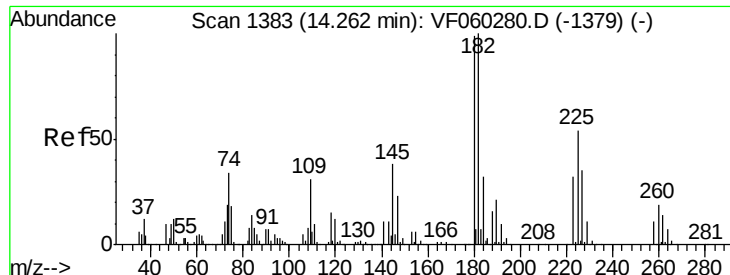
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.177 ug/l
 RT: 13.70 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: VF060314.D
 Acq: 21 Sep 2018 14:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.3	41.9	125.7
157	95.7	57.4	172.0





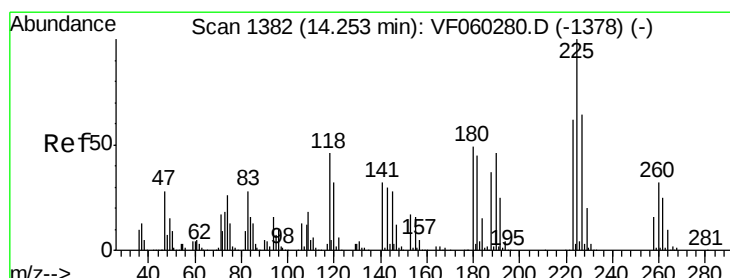
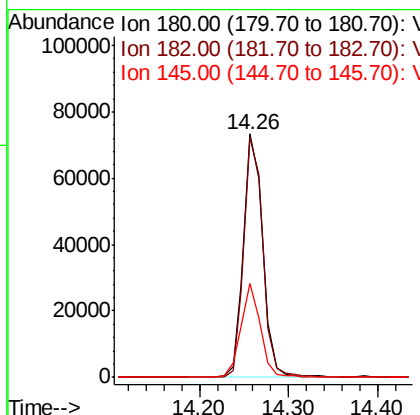
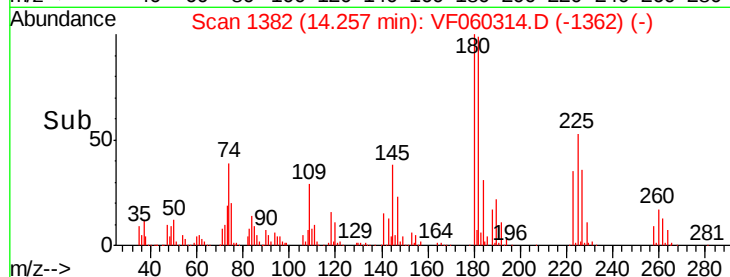
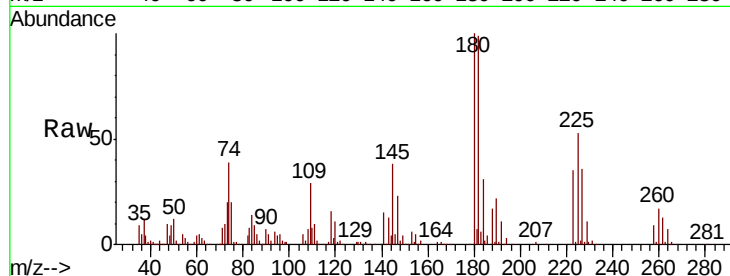
#93
 1,2,4-Trichlorobenzene
 Concen: 22.749 ug/l
 RT: 14.26 min Scan# 1382
 Delta R.T. -0.01 min
 Lab File: VF060314.D
 Acq: 21 Sep 2018 14:13

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0921SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	98.5	50.3	151.0	
145	38.4	18.9	56.9	

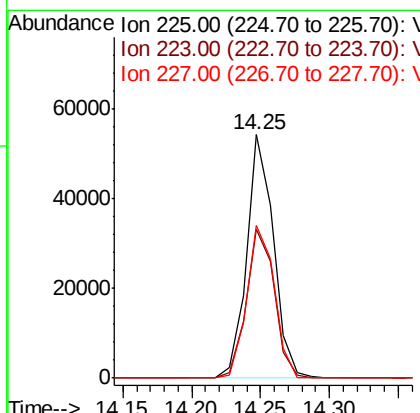
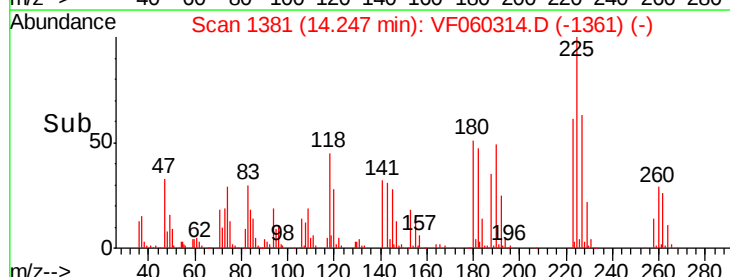
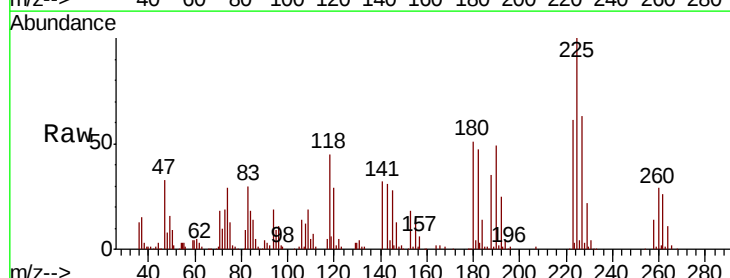
Manual Integrations
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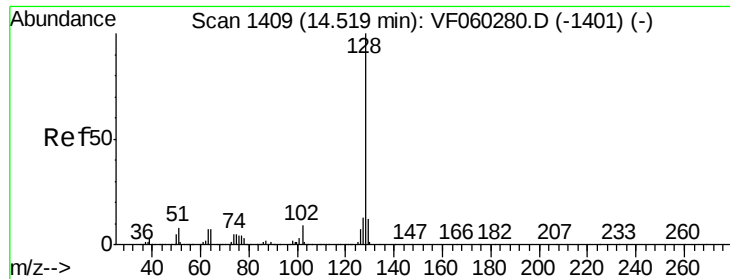
apatel
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#94
 Hexachlorobutadiene
 Concen: 22.506 ug/l
 RT: 14.25 min Scan# 1381
 Delta R.T. -0.01 min
 Lab File: VF060314.D
 Acq: 21 Sep 2018 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.0	31.2	93.6	
227	62.7	32.2	96.6	





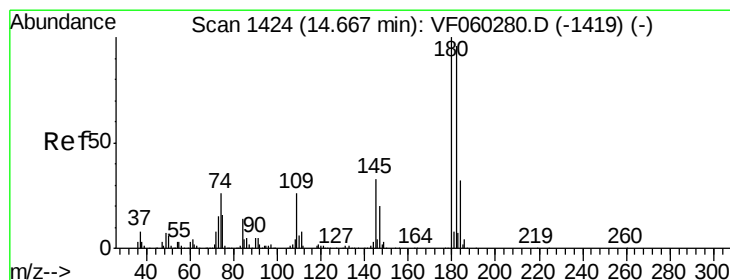
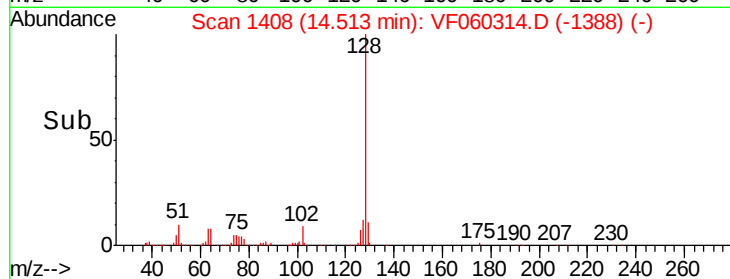
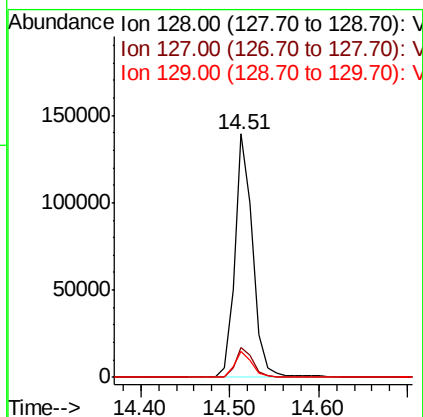
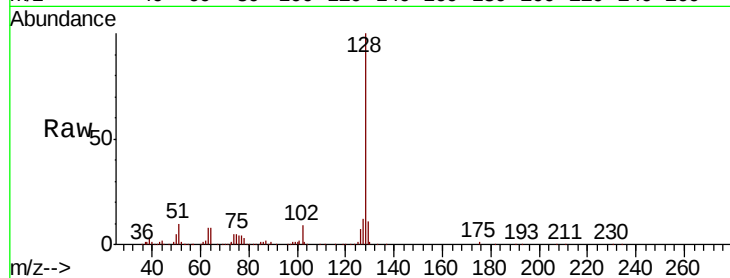
#95
Naphthalene
Concen: 23.089 ug/l
RT: 14.51 min Scan# 1408
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

Tot Ion:	128	Resp:	196741
Ion Ratio	Lower	Upper	
128	100		
127	12.1	10.1	15.1
129	10.6	9.8	14.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 22.010 ug/l
RT: 14.66 min Scan# 1423
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

Tgt Ion:	180	Resp:	98847
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.8	143.4
145	32.7	16.4	49.1

