

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100318\
 Data File : VF060417.D
 Acq On : 3 Oct 2018 15:41
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 10/4/2018 2:02:24 PM

Quant Time: Oct 04 05:33:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	304439	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	486530	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	434281	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	227555	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	214370	45.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.00%	
35) Dibromofluoromethane	4.27	113	208545	45.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.26%	
50) Toluene-d8	7.69	98	564550	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
62) 4-Bromofluorobenzene	11.50	95	239010	46.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	272943	40.659	ug/l	94
3) Chloromethane	1.13	50	185316	44.827	ug/l	100
4) Vinyl Chloride	1.18	62	193118	44.906	ug/l	97
5) Bromomethane	1.36	94	149706	44.943	ug/l	99
6) Chloroethane	1.42	64	95994	44.731	ug/l	96
7) Trichlorofluoromethane	1.53	101	422950	42.390	ug/l	98
8) Diethyl Ether	1.70	74	59659	43.630	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.89	101	199119	41.663	ug/l	94
10) Methyl Iodide	1.96	142	318306	43.673	ug/l	95
11) Tert butyl alcohol	2.68	59	56584	196.372	ug/l #	81
12) 1,1-Dichloroethene	1.85	96	156012	42.248	ug/l	93
13) Acrolein	2.08	56	51858	223.786	ug/l	92
14) Allyl chloride	2.18	41	273813	46.275	ug/l	86
15) Acrylonitrile	3.06	53	109979	222.747	ug/l #	88
16) Acetone	2.33	43	238330	242.143	ug/l #	90
17) Carbon Disulfide	1.89	76	489366	43.763	ug/l	95
18) Methyl Acetate	2.44	43	83599	46.572	ug/l #	87
19) Methyl tert-butyl Ether	2.53	73	380680	42.324	ug/l	98
20) Methylene Chloride	2.27	84	175303m	50.472	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	163641	44.370	ug/l	88
22) Diisopropyl ether	2.91	45	512766	47.742	ug/l	93
23) Vinyl Acetate	3.32	43	952499	223.255	ug/l	97
24) 1,1-Dichloroethane	2.99	63	331263	45.609	ug/l	99
25) 2-Butanone	4.49	43	274640	222.652	ug/l	95
26) 2,2-Dichloropropane	3.75	77	185276	45.040	ug/l	97
27) cis-1,2-Dichloroethene	3.61	96	186940	45.334	ug/l	90
28) Bromochloromethane	3.87	49	123665	46.199	ug/l	93
29) Tetrahydrofuran	4.23	42	104072	223.489	ug/l	97
30) Chloroform	4.02	83	385578	43.023	ug/l	91
31) Cyclohexane	3.85	56	250612	48.052	ug/l	93
32) 1,1,1-Trichloroethane	4.26	97	331626	44.467	ug/l	99
36) 1,1-Dichloropropene	4.44	75	291748	48.637	ug/l	99
37) Ethyl Acetate	4.26	43	97707	42.535	ug/l	81
38) Carbon Tetrachloride	4.15	117	358642	49.118	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	284327	48.350	ug/l	92
40) Benzene	4.79	78	593582	49.846	ug/l	99
41) Methacrylonitrile	4.90	41	55808	45.821	ug/l	94
42) 1,2-Dichloroethane	5.10	62	243050	42.782	ug/l	97
43) Isopropyl Acetate	7.09	43	127969	46.099	ug/l #	94
44) Trichloroethene	5.65	130	183456	48.014	ug/l	93
45) 1,2-Dichloropropane	6.38	63	155378	48.995	ug/l	96
46) Dibromomethane	6.23	93	119365	46.815	ug/l	98
47) Bromodichloromethane	6.53	83	301410	47.731	ug/l	96
48) Methyl methacrylate	6.85	41	88469	44.397	ug/l	96
49) 1,4-Dioxane	6.84	88	16532	962.209	ug/l #	85
51) 4-Methyl-2-Pentanone	8.38	43	450693	228.077	ug/l	96
52) Toluene	7.76	92	398377	49.253	ug/l	98
53) t-1,3-Dichloropropene	8.41	75	237335	47.958	ug/l	100
54) cis-1,3-Dichloropropene	7.44	75	279114	48.258	ug/l	97
55) 1,1,2-Trichloroethane	8.62	97	121245	47.292	ug/l	91
56) Ethyl methacrylate	8.75	69	141637	48.618	ug/l	94
57) 1,3-Dichloropropane	8.98	76	212911	49.089	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.76	63	67444	226.643	ug/l	100
59) 2-Hexanone	9.61	43	346588	239.124	ug/l	100
60) Dibromochloromethane	8.85	129	185323	48.009	ug/l	98
61) 1,2-Dibromoethane	9.12	107	139738	49.812	ug/l	96
64) Tetrachloroethene	8.28	164	170245	49.314	ug/l	94
65) Chlorobenzene	9.93	112	435888	48.861	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	179501	46.083	ug/l	90
67) Ethyl Benzene	10.02	91	814671	48.029	ug/l	99
68) m/p-Xylenes	10.26	106	575510	98.698	ug/l	92
69) o-Xylene	10.82	106	310256	48.814	ug/l	96
70) Styrene	10.89	104	434167	48.024	ug/l	99
71) Bromoform	10.88	173	95376	45.990	ug/l	97
73) Isopropylbenzene	11.21	105	941645	52.556	ug/l	99
74) N-amyl acetate	11.45	43	192648	46.849	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.77	83	164325	50.305	ug/l	97
76) 1,2,3-Trichloropropane	11.87	75	111984	46.566	ug/l	96
77) Bromobenzene	11.59	156	190840	47.649	ug/l	93
78) n-propylbenzene	11.67	91	1081301	49.782	ug/l	98
79) 2-Chlorotoluene	11.80	91	621608	48.923	ug/l	92
80) 1,3,5-Trimethylbenzene	11.90	105	737618	48.456	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	57963m	54.374	ug/l	
82) 4-Chlorotoluene	11.98	91	612208	47.092	ug/l	97
83) tert-Butylbenzene	12.21	119	766513	51.052	ug/l	92
84) 1,2,4-Trimethylbenzene	12.28	105	753548	49.915	ug/l	97
85) sec-Butylbenzene	12.37	105	993114	47.920	ug/l	98
86) p-Isopropyltoluene	12.53	119	833180	49.209	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	369203	48.988	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	354448	47.695	ug/l	99
89) n-Butylbenzene	12.91	91	859737	47.986	ug/l	98
90) Hexachloroethane	12.99	117	219222	50.096	ug/l	82
91) 1,2-Dichlorobenzene	13.02	146	364516	50.479	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	30889	48.778	ug/l	93

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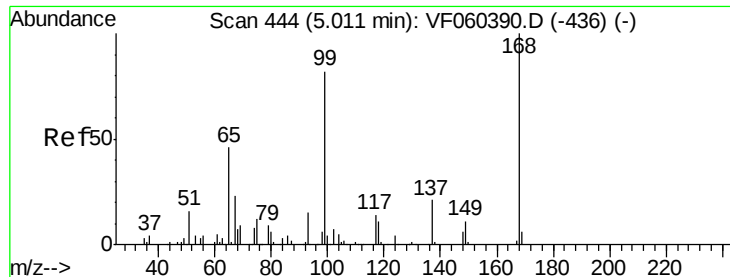
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	268021	49.658	ug/l	96
94) Hexachlorobutadiene	14.25	225	183226	48.639	ug/l	93
95) Naphthalene	14.51	128	459239	47.588	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	260252	51.439	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.01 min

Lab File: VF060417.D

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Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 304439

Ion Ratio Lower Upper

168 100

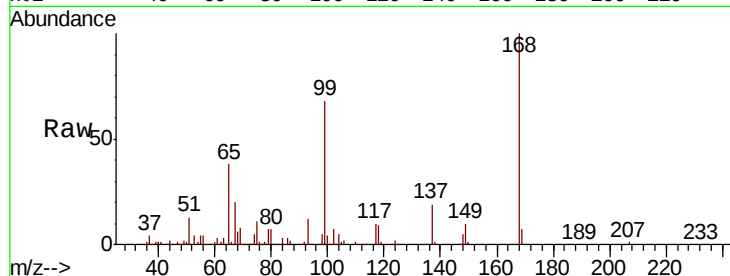
99 67.7 65.3 97.9

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

120000

100000

80000

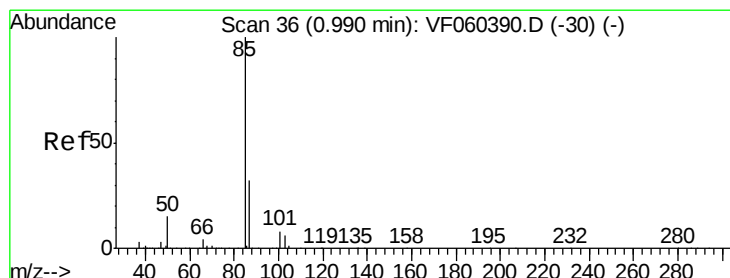
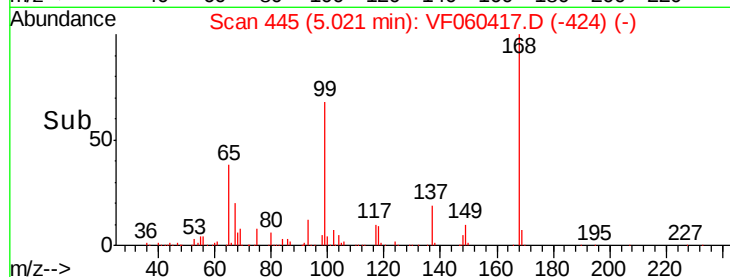
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 40.659 ug/l

RT: 0.99 min Scan# 36

Delta R.T. 0.00 min

Lab File: VF060417.D

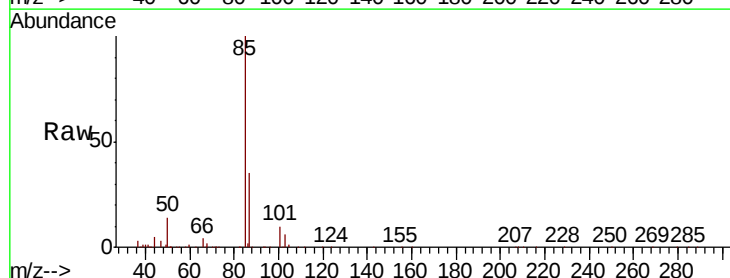
Acq: 3 Oct 2018 15:41

Tgt Ion: 85 Resp: 272943

Ion Ratio Lower Upper

85 100

87 34.9 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

120000

100000

80000

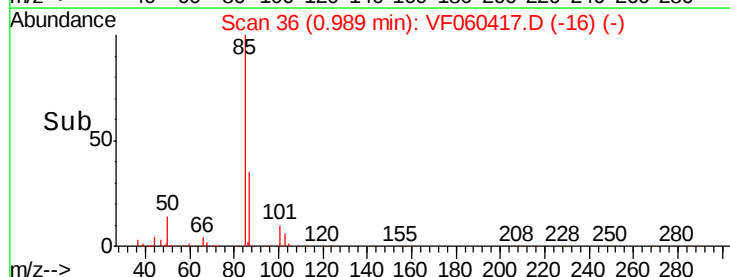
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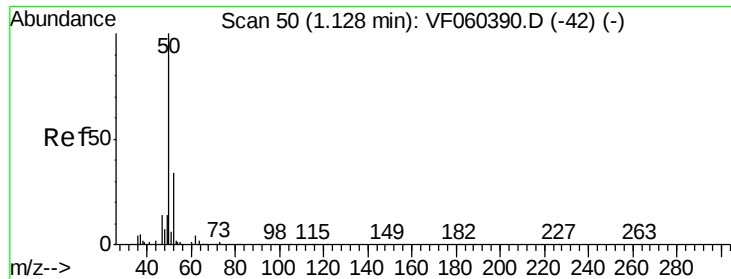
40000

20000

0

Time-->





#3

Chloromethane

Concen: 44.827 ug/l

RT: 1.13 min Scan# 50

Delta R.T. -0.00 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 185316

Ion Ratio Lower Upper

50 100

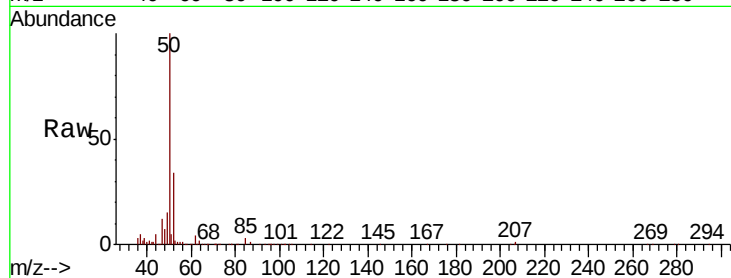
52 33.7 26.9 40.3

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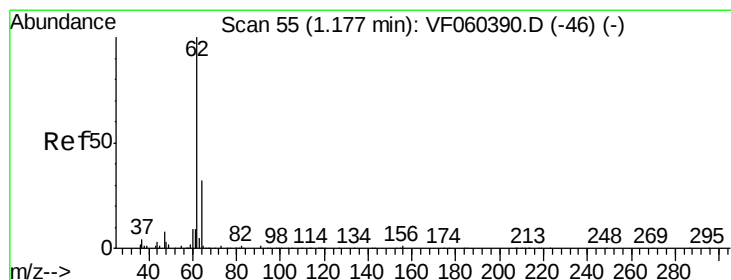
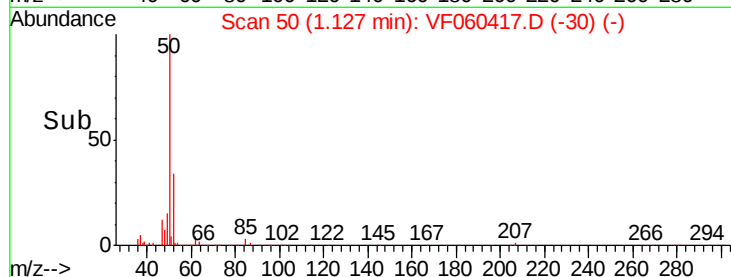
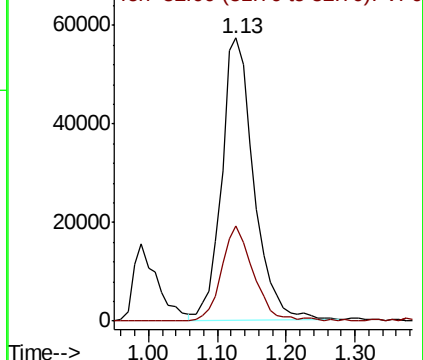
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 44.906 ug/l

RT: 1.18 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060417.D

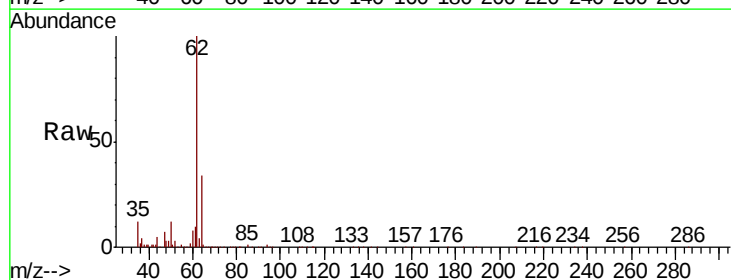
Acq: 3 Oct 2018 15:41

Tgt Ion: 62 Resp: 193118

Ion Ratio Lower Upper

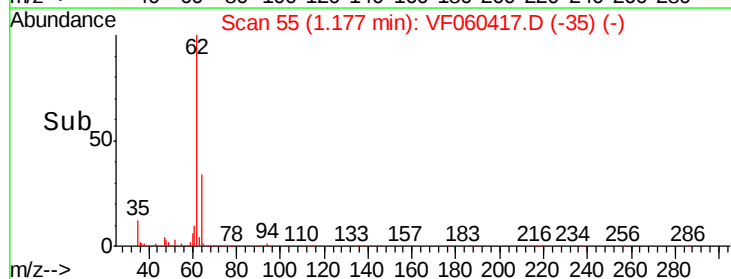
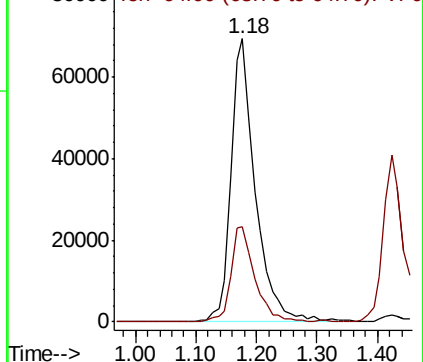
62 100

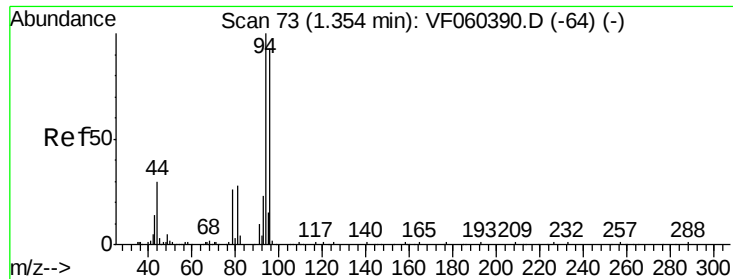
64 33.7 25.8 38.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 44.943 ug/l

RT: 1.36 min Scan# 74

Delta R.T. 0.01 min

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 149706

Ion Ratio Lower Upper

94 100

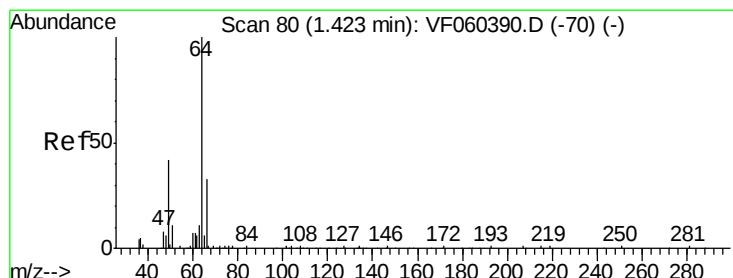
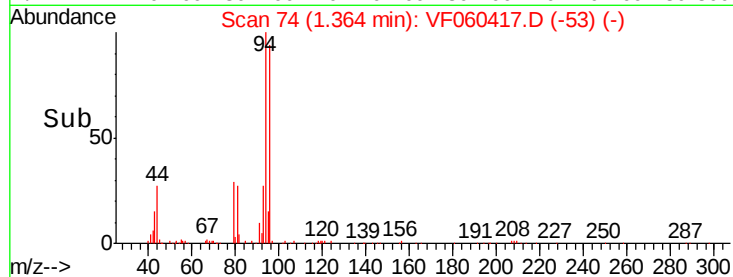
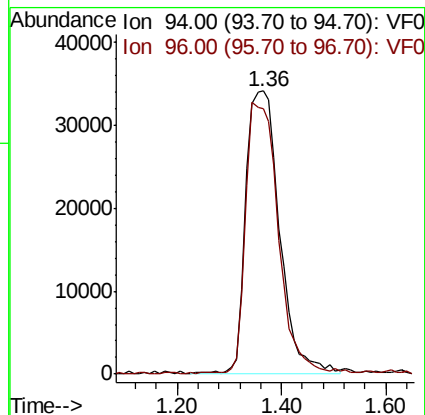
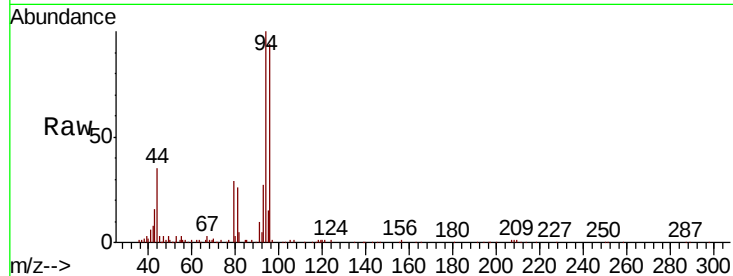
96 93.8 74.3 111.5

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#6

Chloroethane

Concen: 44.731 ug/l

RT: 1.42 min Scan# 80

Delta R.T. -0.00 min

Lab File: VF060417.D

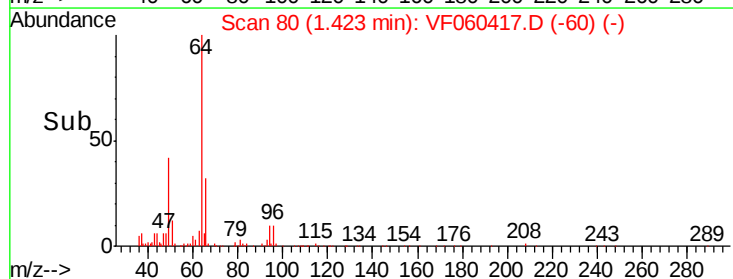
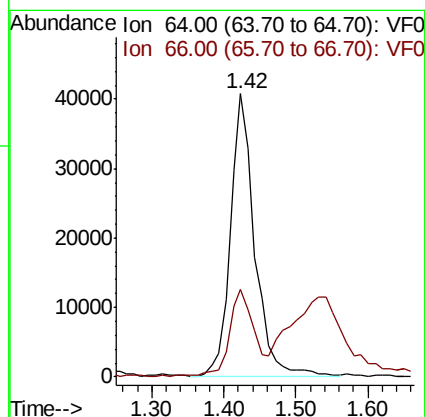
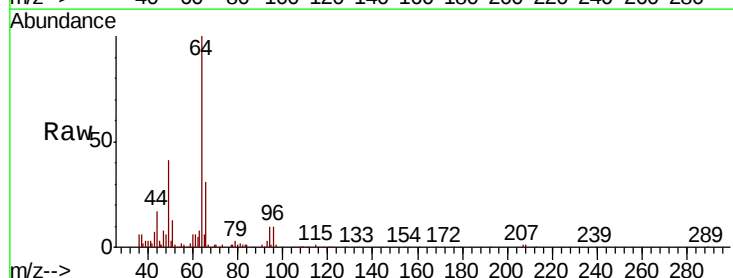
Acq: 3 Oct 2018 15:41

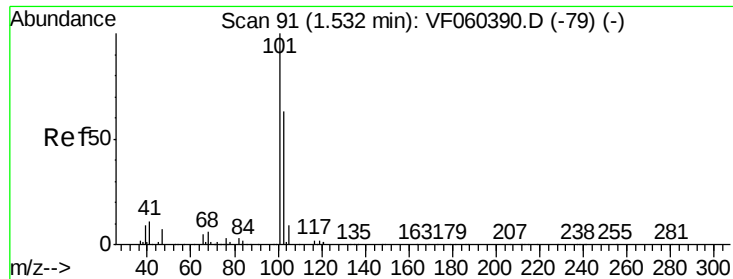
Tgt Ion: 64 Resp: 95994

Ion Ratio Lower Upper

64 100

66 30.7 26.3 39.5





#7

Trichlorofluoromethane

Concen: 42.390 ug/l

RT: 1.53 min Scan# 91

Delta R.T. -0.00 min

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Acq: 3 Oct 2018 15:41

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Tot Ion:101 Resp: 422950

Ion Ratio Lower Upper

101 100

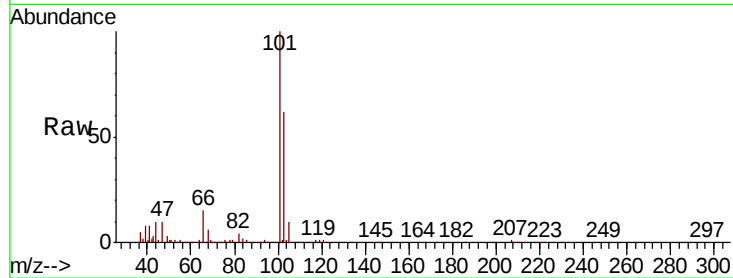
103 62.2 51.0 76.4

Manual Integrations

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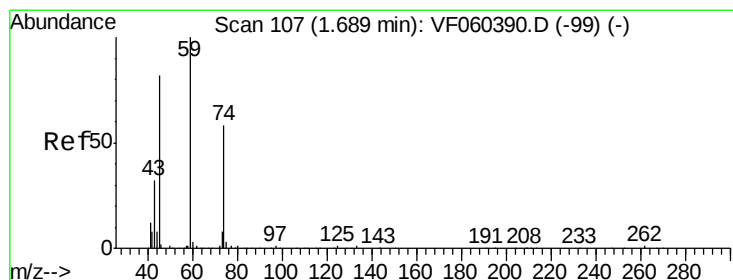
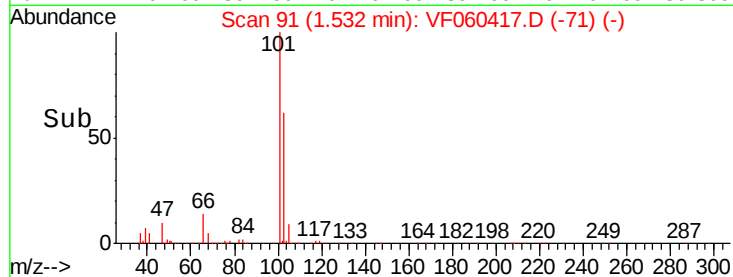
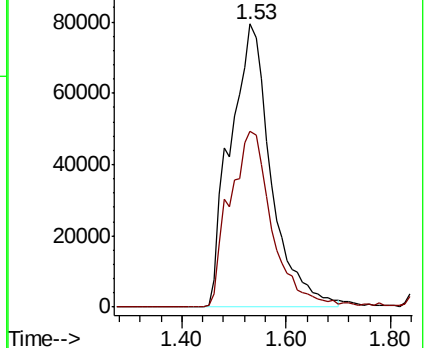
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 43.630 ug/l

RT: 1.70 min Scan# 108

Delta R.T. 0.01 min

Lab File: VF060417.D

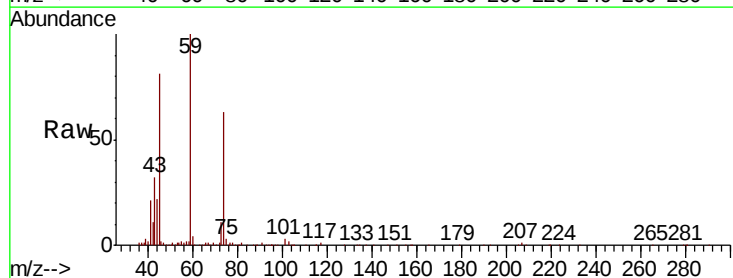
Acq: 3 Oct 2018 15:41

Tgt Ion: 74 Resp: 59659

Ion Ratio Lower Upper

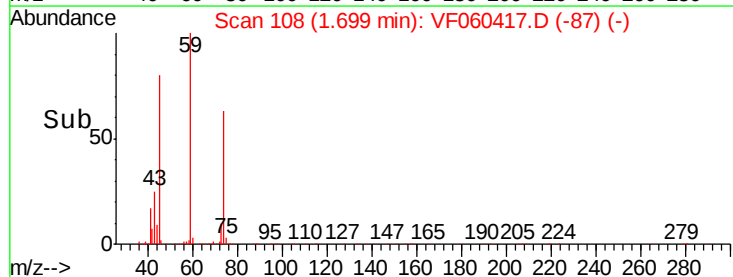
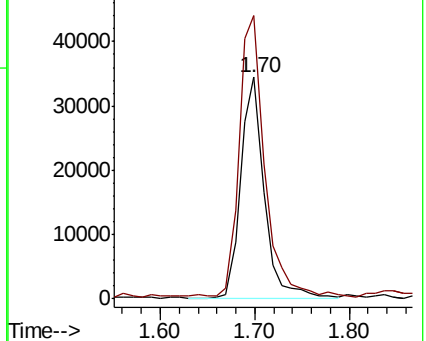
74 100

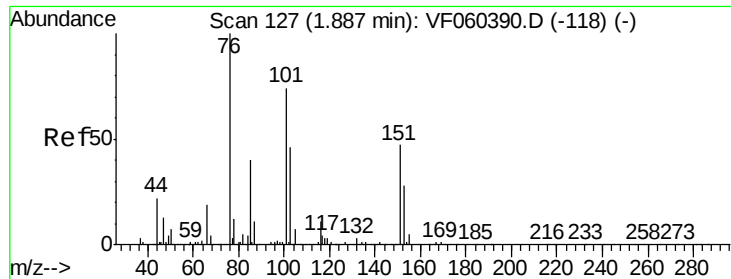
45 127.7 71.3 213.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 41.663 ug/l

RT: 1.89 min Scan# 127

Delta R.T. -0.00 min

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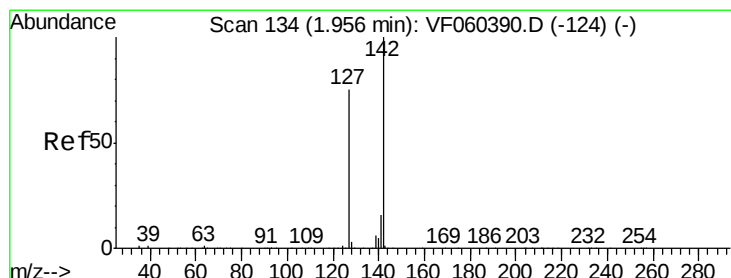
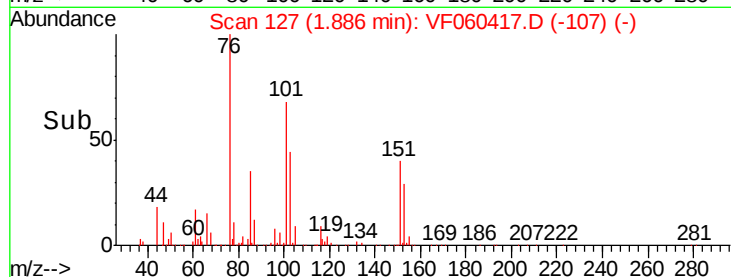
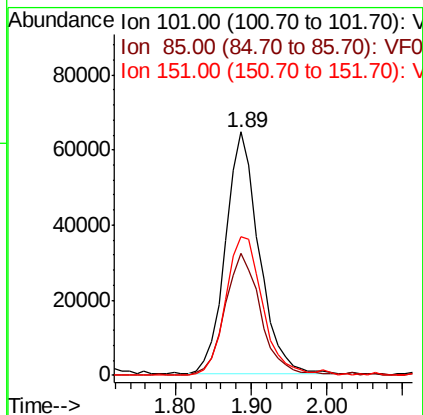
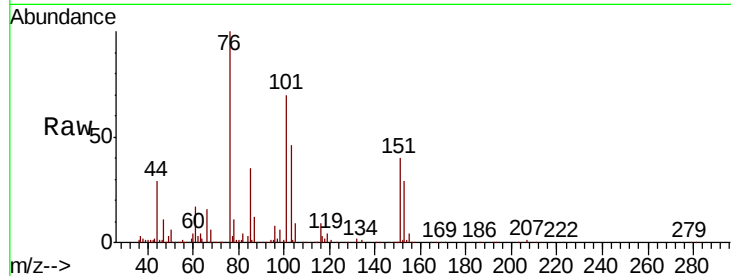
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	199119
Ion Ratio	Lower	Upper	
101	100		
85	50.0	42.5	63.7
151	57.1	49.8	74.8

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#10

Methyl Iodide

Concen: 43.673 ug/l

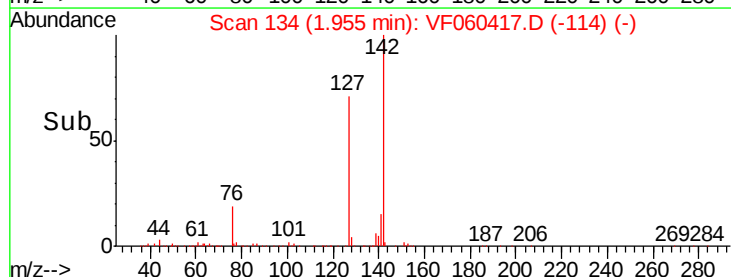
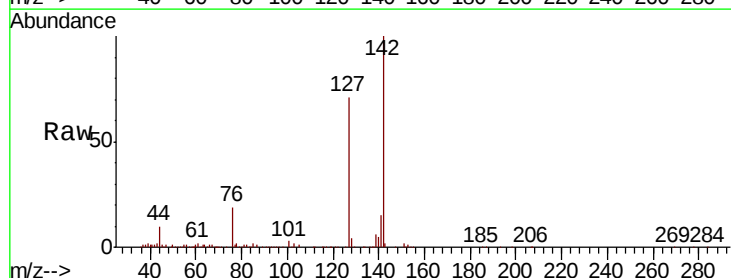
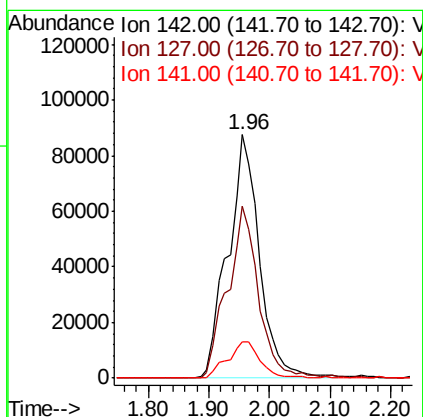
RT: 1.96 min Scan# 134

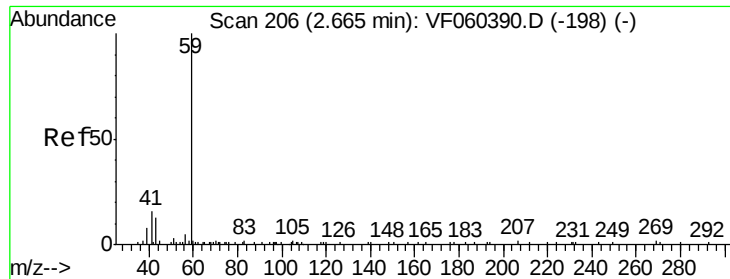
Delta R.T. -0.00 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Tgt Ion:	142	Resp:	318306
Ion Ratio	Lower	Upper	
142	100		
127	70.5	60.2	90.2
141	14.9	13.1	19.7





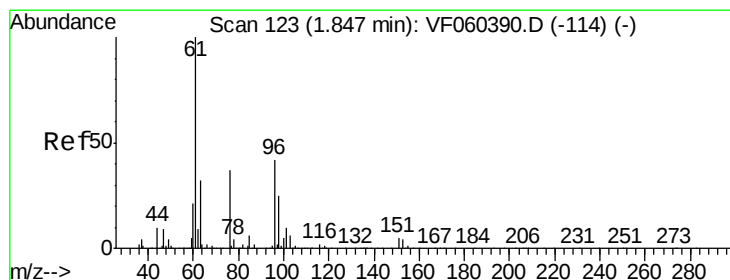
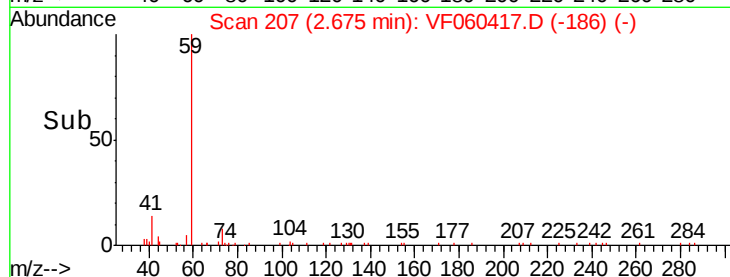
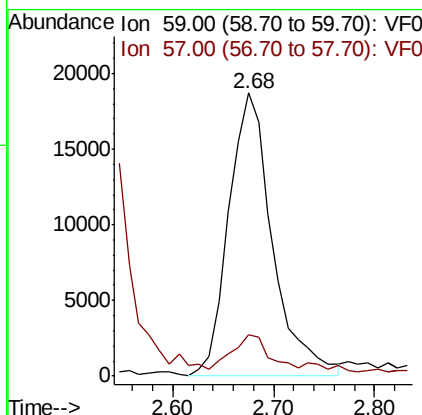
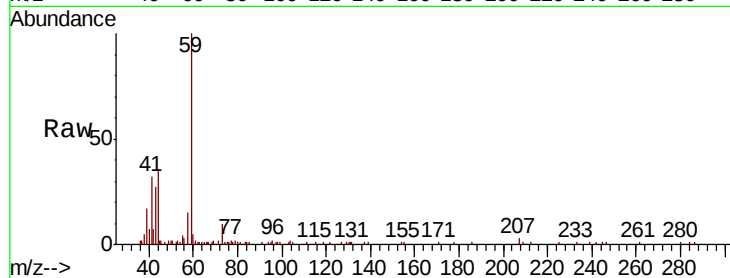
#11
Tert butyl alcohol
Concen: 196.372 ug/l
RT: 2.68 min Scan# 207
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	14.7	6.5	9.7#

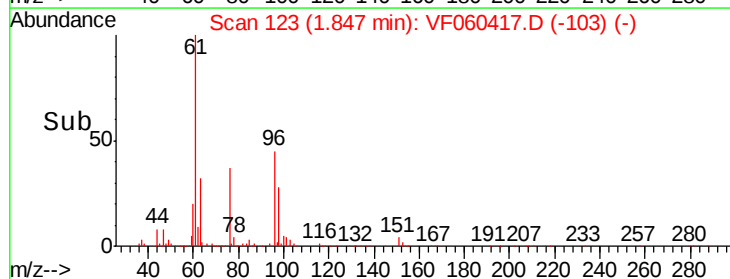
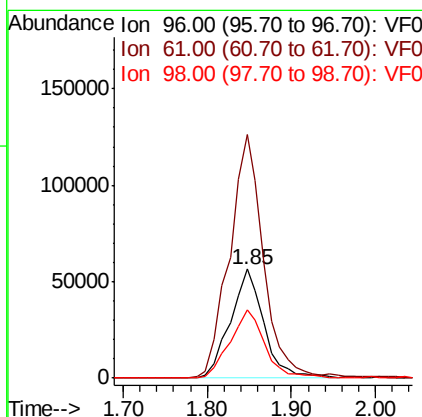
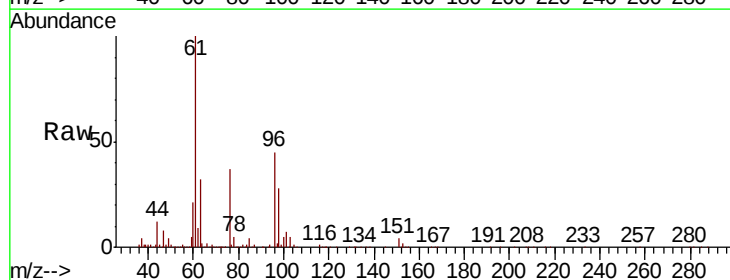
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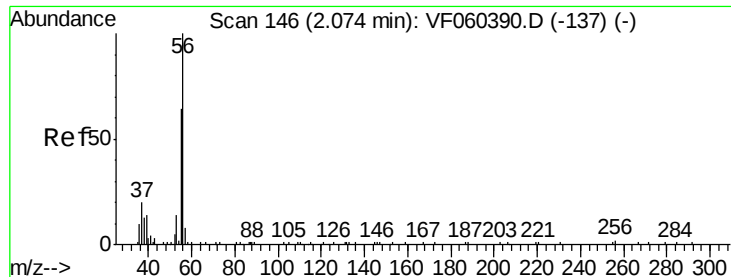
apatel
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#12
1,1-Dichloroethene
Concen: 42.248 ug/l
RT: 1.85 min Scan# 123
Delta R.T. -0.00 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	223.7	189.4	284.0
98	63.0	47.8	71.6





#13

Acrolein

Concen: 223.786 ug/l

RT: 2.08 min Scan# 147

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 51858

Ion Ratio Lower Upper

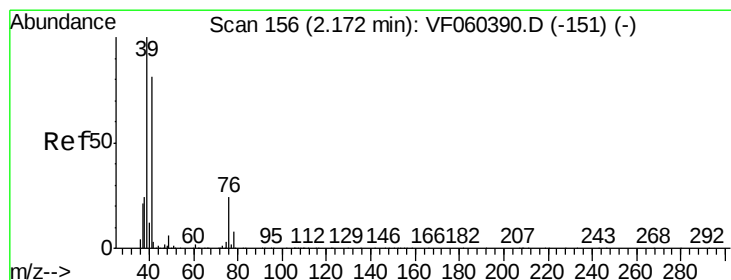
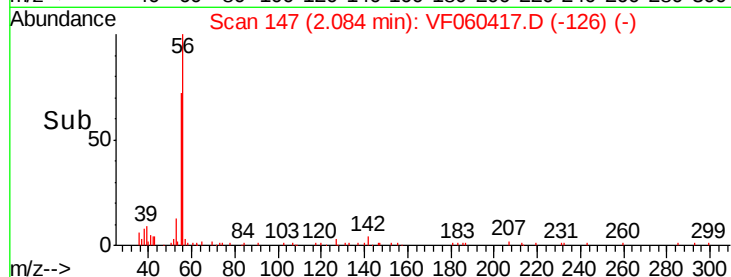
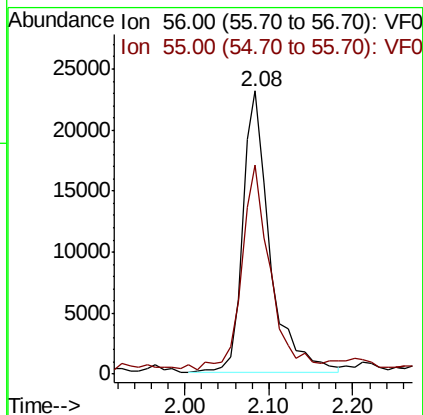
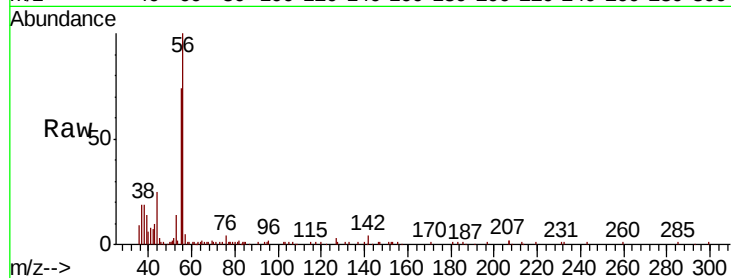
56 100

55 74.1 53.9 80.9

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#14

Allyl chloride

Concen: 46.275 ug/l

RT: 2.18 min Scan# 157

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

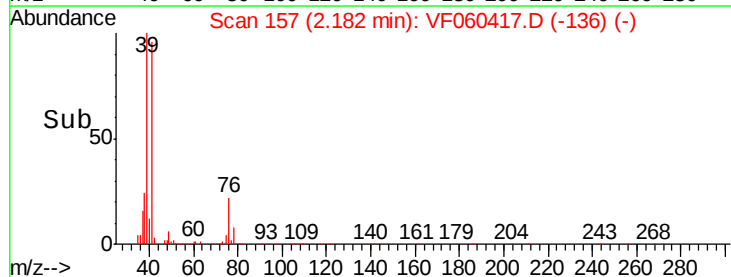
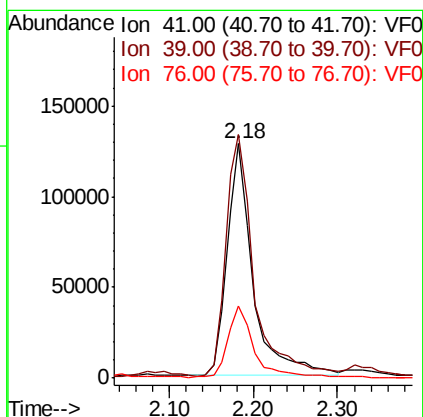
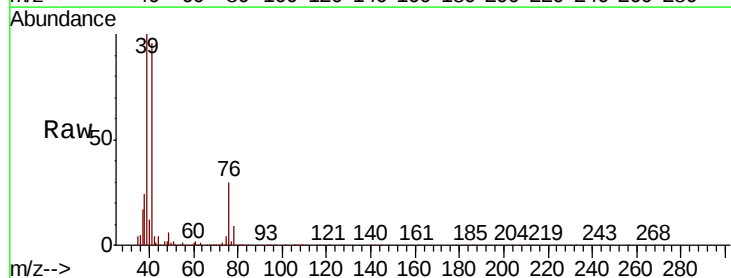
Tgt Ion: 41 Resp: 273813

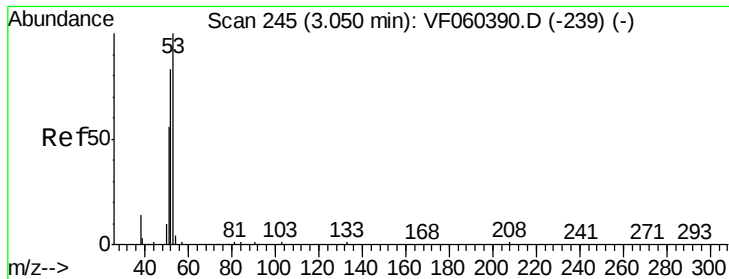
Ion Ratio Lower Upper

41 100

39 103.9 98.3 147.5

76 30.9 23.9 35.9





#15

Acrylonitrile

Concen: 222.747 ug/l

RT: 3.06 min Scan# 246

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

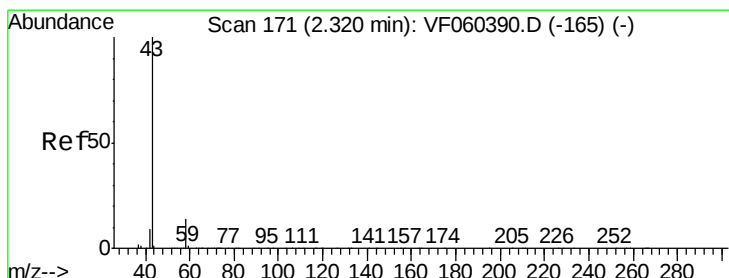
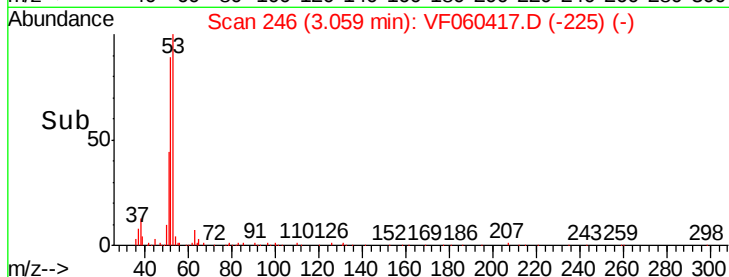
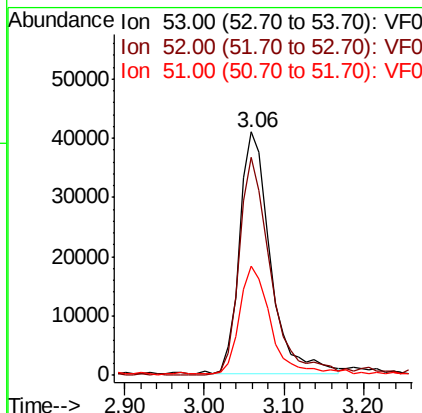
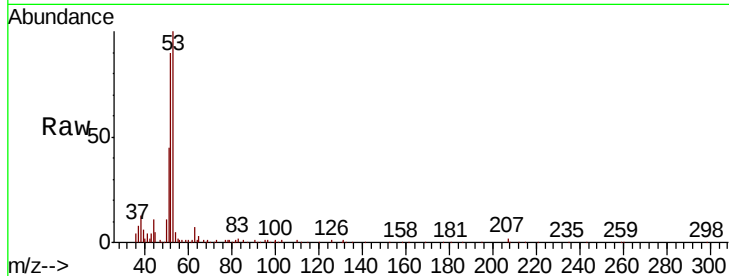
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	109979
Ion Ratio		Lower	Upper
53	100		
52	89.6	66.0	99.0
51	44.6	45.6	68.4#

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#16

Acetone

Concen: 242.143 ug/l

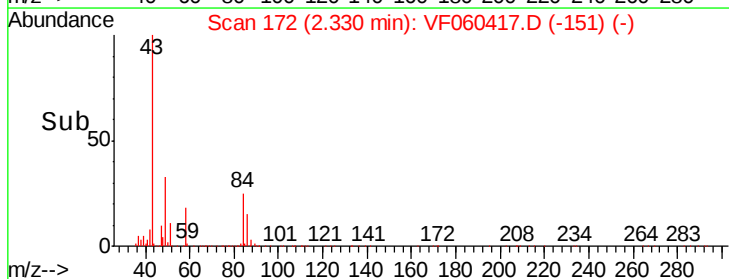
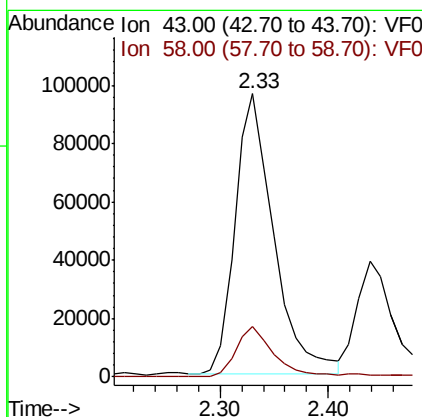
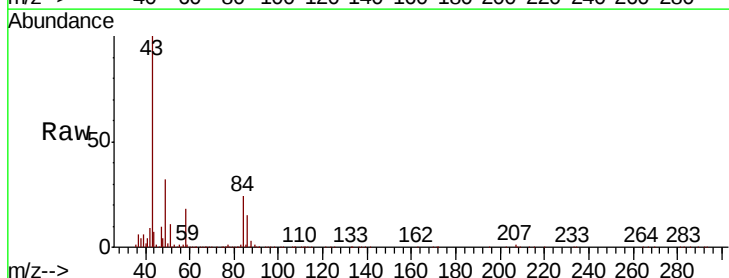
RT: 2.33 min Scan# 172

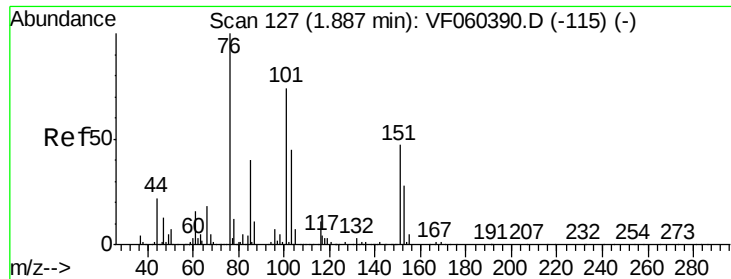
Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Tgt Ion:	43	Resp:	238330
Ion Ratio		Lower	Upper
43	100		
58	17.9	11.2	16.8#





#17

Carbon Disulfide

Concen: 43.763 ug/l

RT: 1.89 min Scan# 127

Delta R.T. -0.00 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 489366

Ion Ratio Lower Upper

76 100

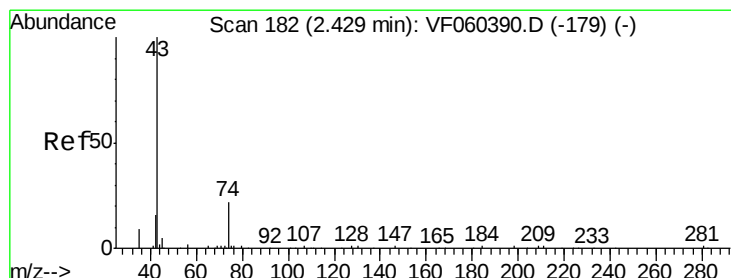
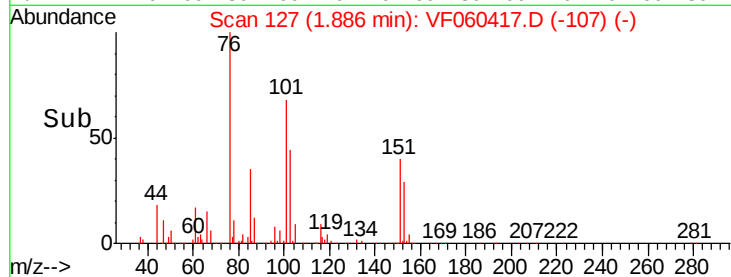
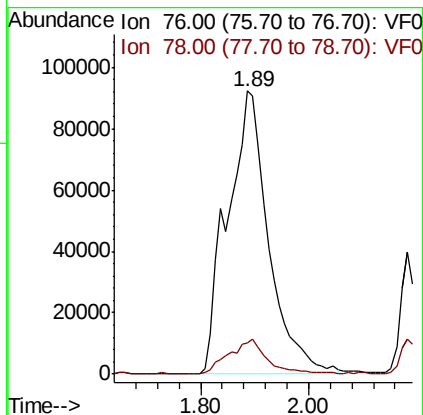
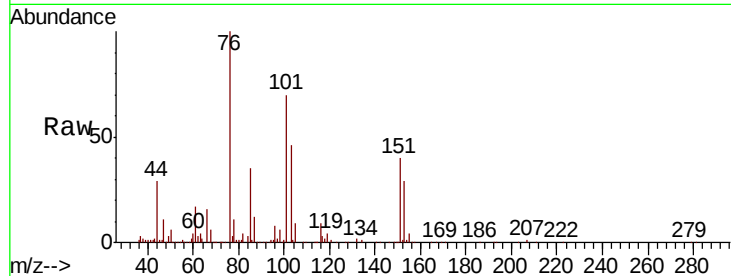
78 10.8 10.1 15.1

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#18

Methyl Acetate

Concen: 46.572 ug/l

RT: 2.44 min Scan# 183

Delta R.T. 0.01 min

Lab File: VF060417.D

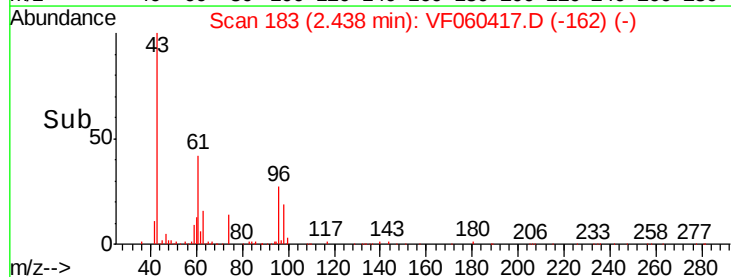
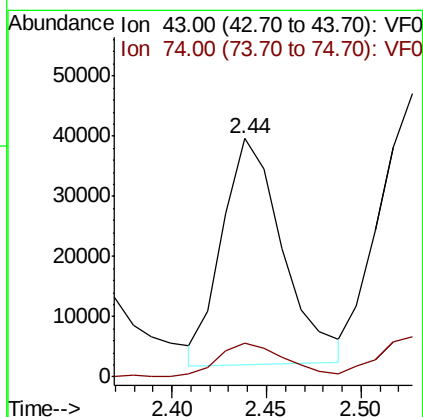
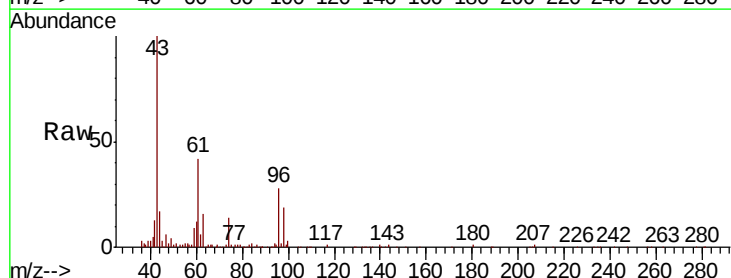
Acq: 3 Oct 2018 15:41

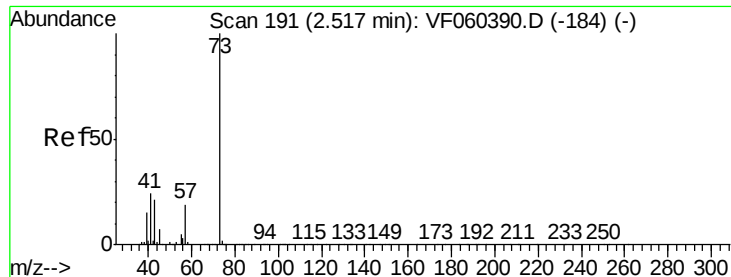
Tgt Ion: 43 Resp: 83599

Ion Ratio Lower Upper

43 100

74 14.0 15.8 23.8#





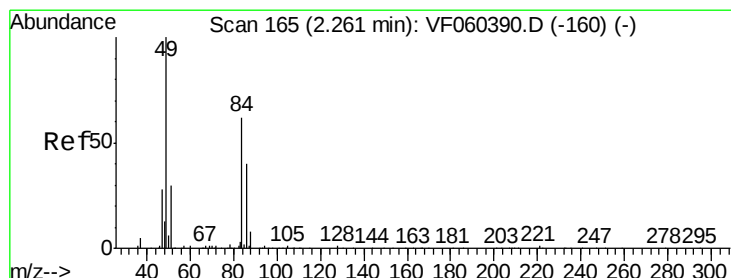
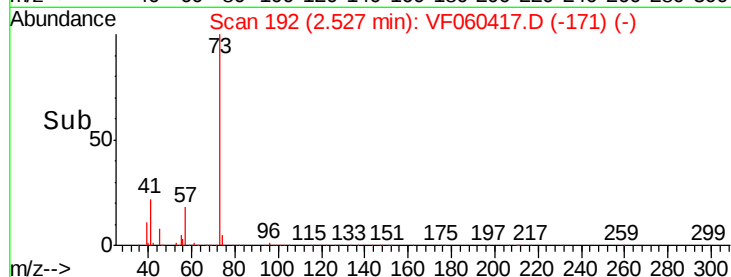
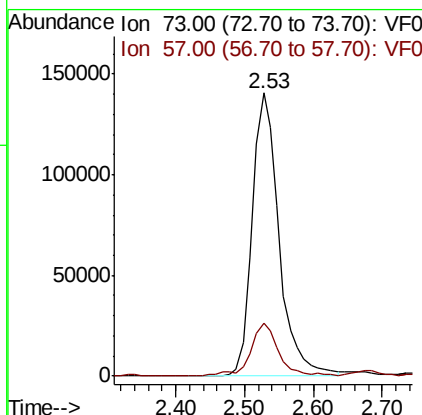
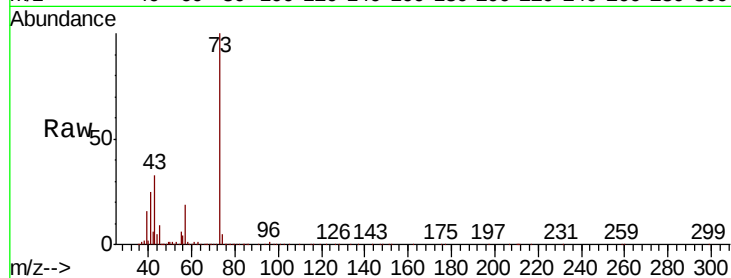
#19
Methvl tert-butvl Ether
Concen: 42.324 ug/l
RT: 2.53 min Scan# 192
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.8	15.9	23.9

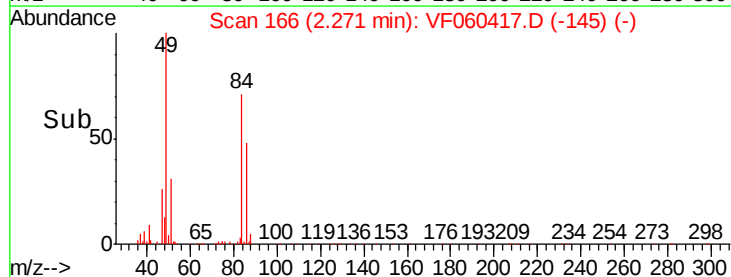
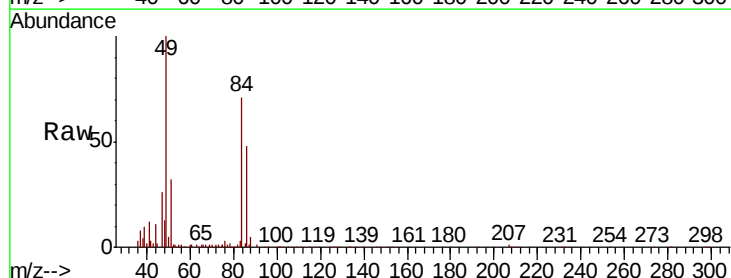
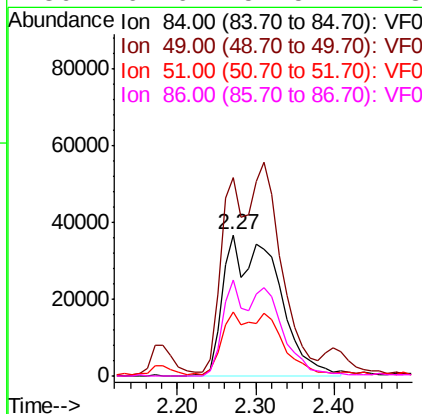
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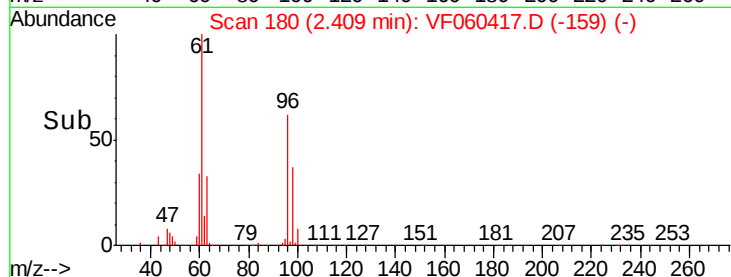
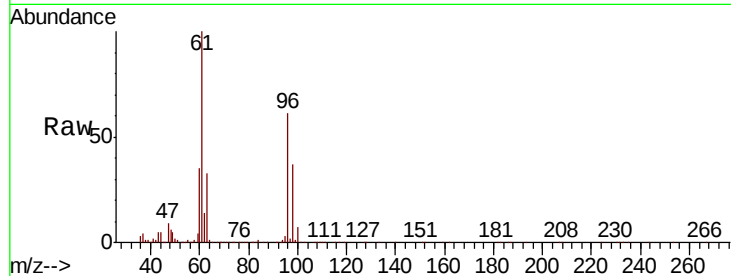
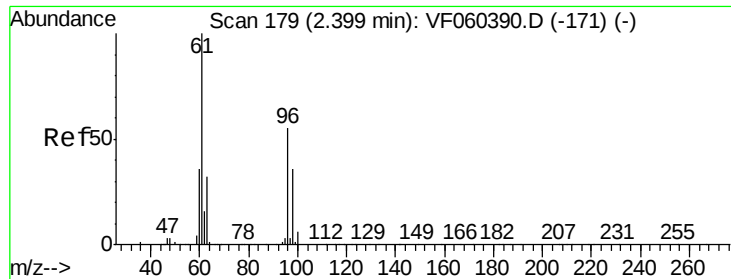
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#20
Methylene Chloride
Concen: 50.472 ug/l m
RT: 2.27 min Scan# 166
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	140.3	130.2	195.2
51	45.0	41.0	61.6
86	67.6	51.5	77.3





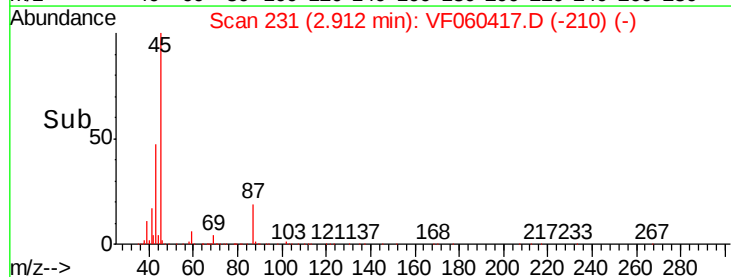
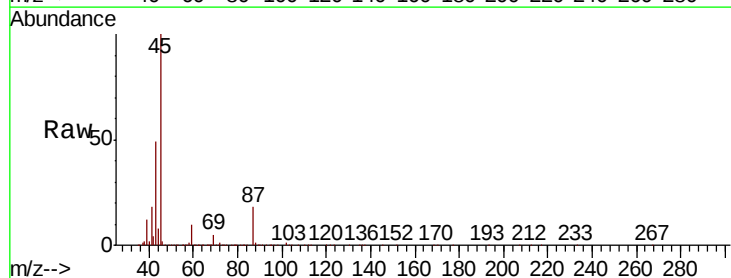
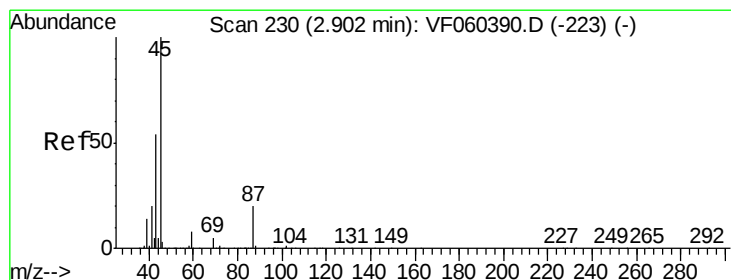
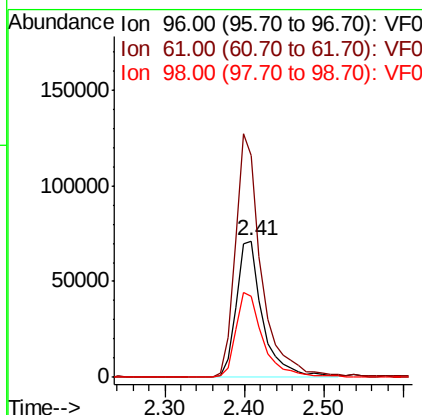
#21
trans-1,2-Dichloroethene
Concen: 44.370 ug/l
RT: 2.41 min Scan# 180
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.2	146.2	219.2
98	59.9	52.6	78.8

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

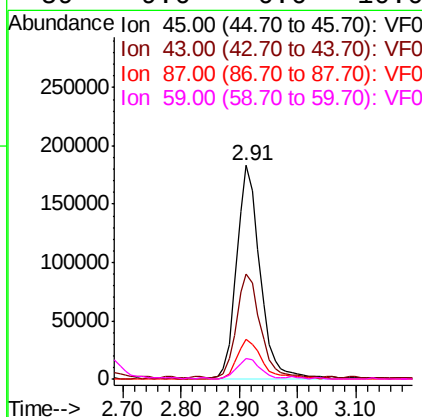
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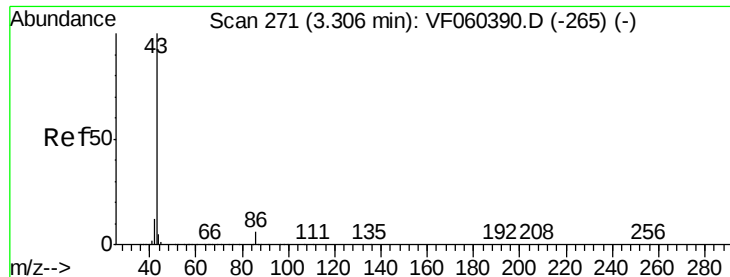
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#22
Diisopropyl ether
Concen: 47.742 ug/l
RT: 2.91 min Scan# 231
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Tgt Ion	Ratio	Lower	Upper
45	100		
43	49.0	43.8	65.8
87	18.5	16.3	24.5
59	9.6	6.6	10.0





#23

Vinyl Acetate

Concen: 223.255 ug/l

RT: 3.32 min Scan# 272

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 952499

Ion Ratio Lower Upper

43 100

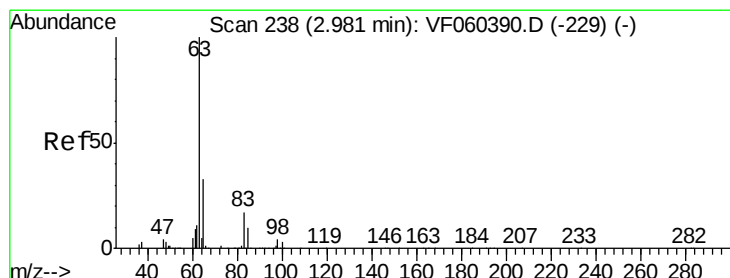
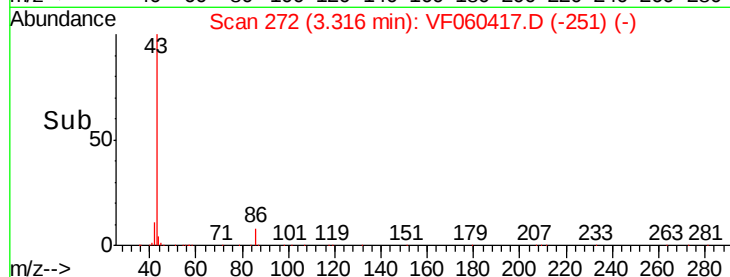
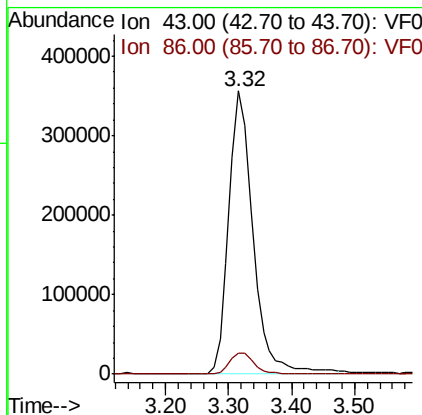
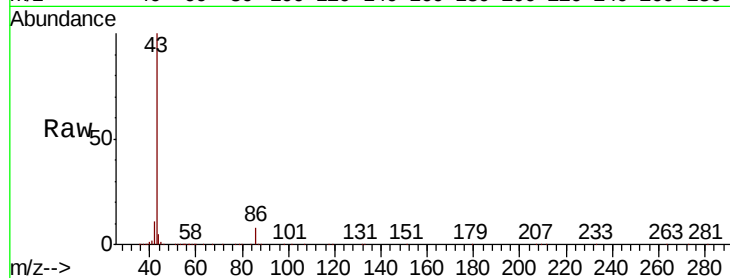
86 7.6 5.1 7.7

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#24

1,1-Dichloroethane

Concen: 45.609 ug/l

RT: 2.99 min Scan# 239

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

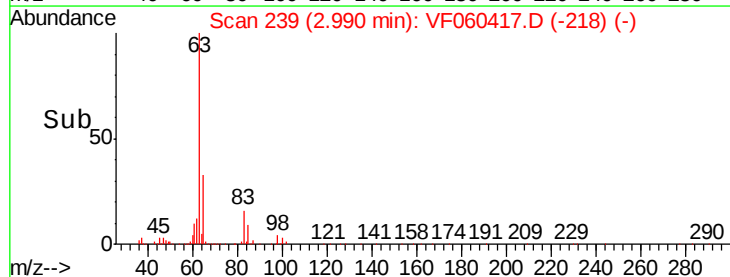
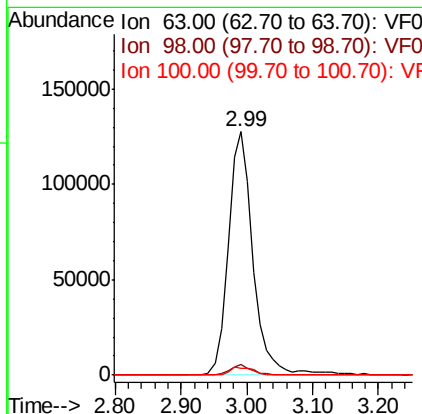
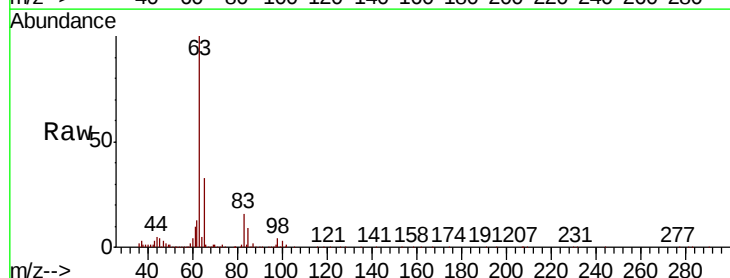
Tgt Ion: 63 Resp: 331263

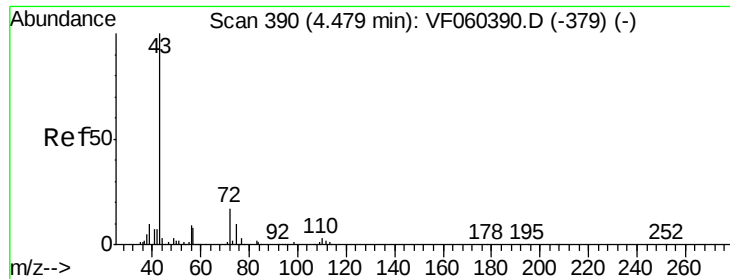
Ion Ratio Lower Upper

63 100

98 4.4 2.0 5.8

100 2.7 1.4 4.2





#25

2-Butanone

Concen: 222.652 ug/l

RT: 4.49 min Scan# 391

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 274640

Ion Ratio Lower Upper

43 100

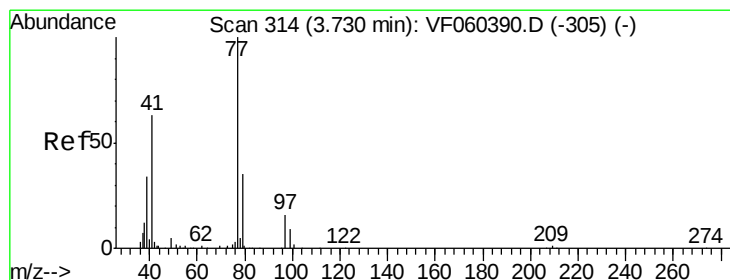
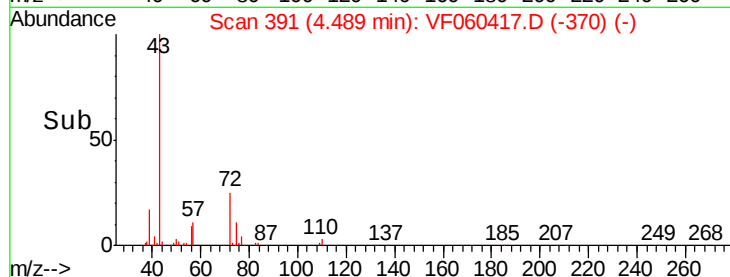
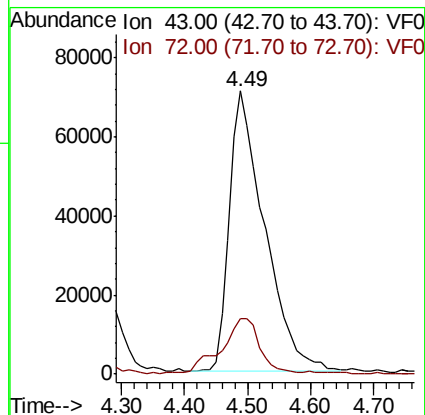
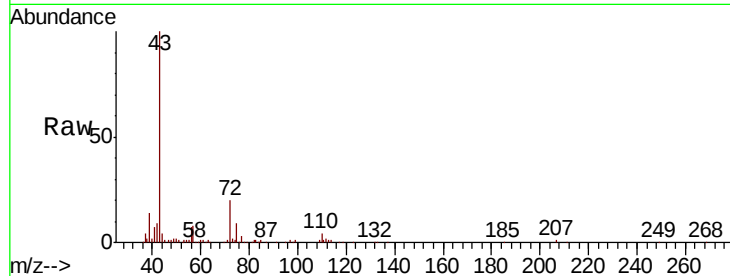
72 19.8 14.1 21.1

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#26

2,2-Dichloropropane

Concen: 45.040 ug/l

RT: 3.75 min Scan# 316

Delta R.T. 0.02 min

Lab File: VF060417.D

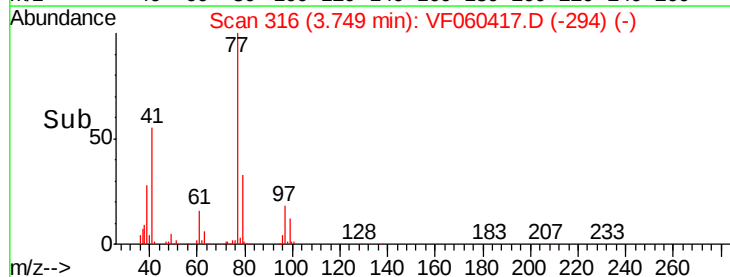
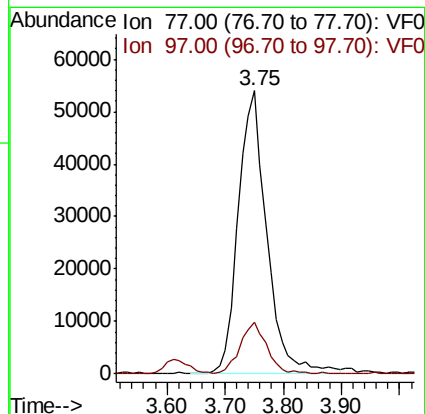
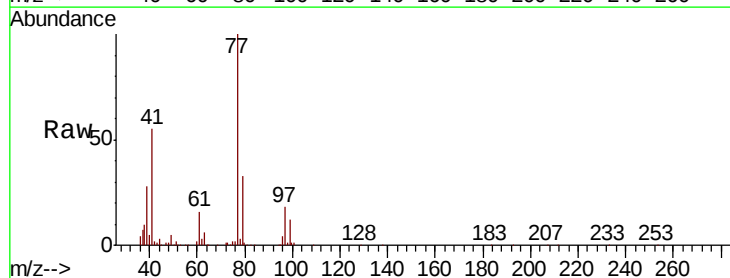
Acq: 3 Oct 2018 15:41

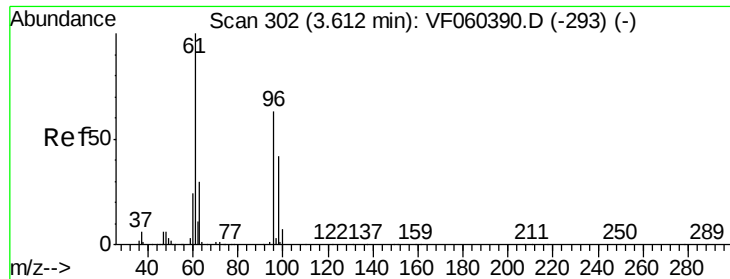
Tgt Ion: 77 Resp: 185276

Ion Ratio Lower Upper

77 100

97 18.1 8.3 25.1





#27

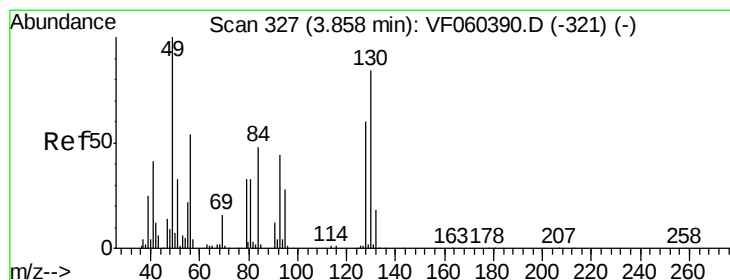
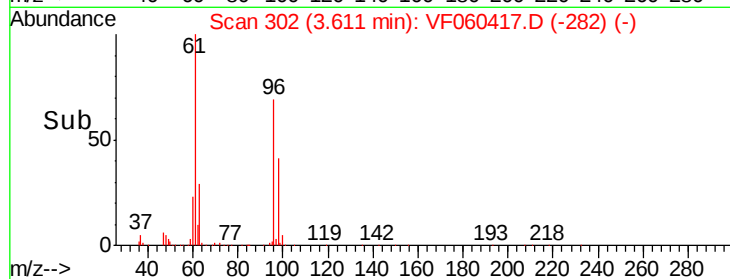
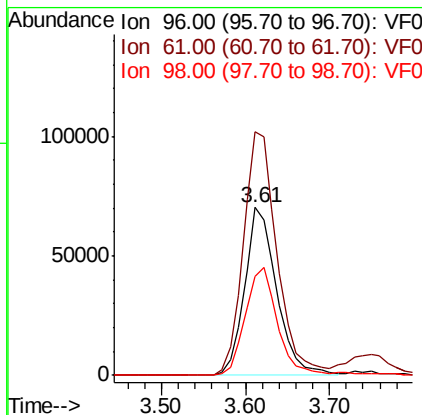
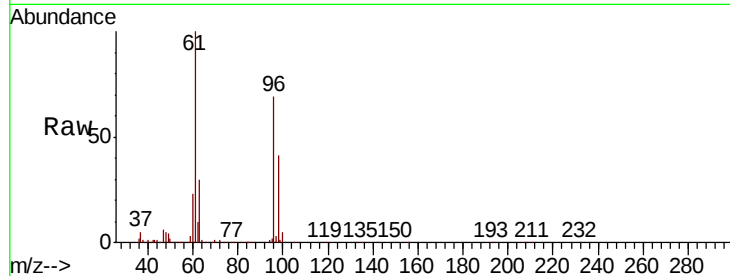
cis-1,2-Dichloroethene
 Concen: 45.334 ug/l
 RT: 3.61 min Scan# 302
 Delta R.T. -0.00 min
 Lab File: VF060417.D
 Acq: 3 Oct 2018 15:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.1	0.0	318.2
98	59.3	0.0	134.0

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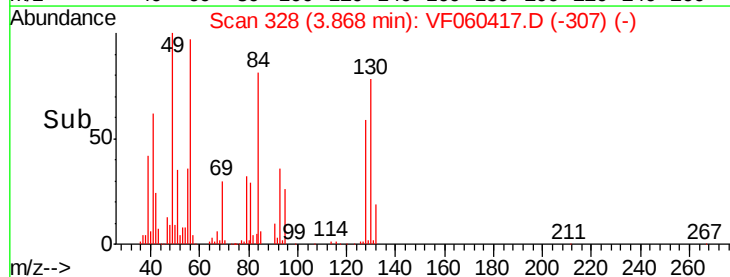
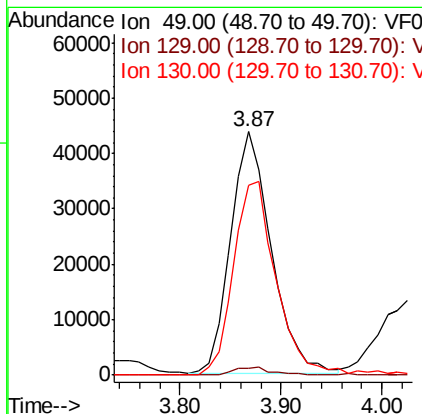
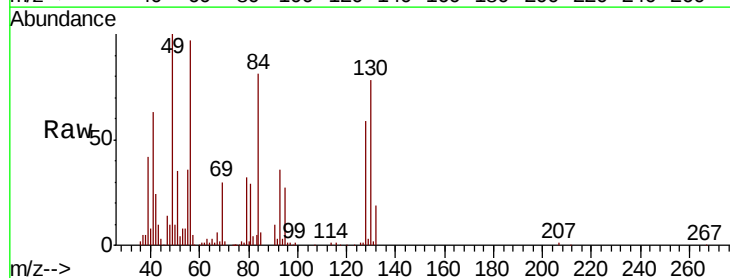
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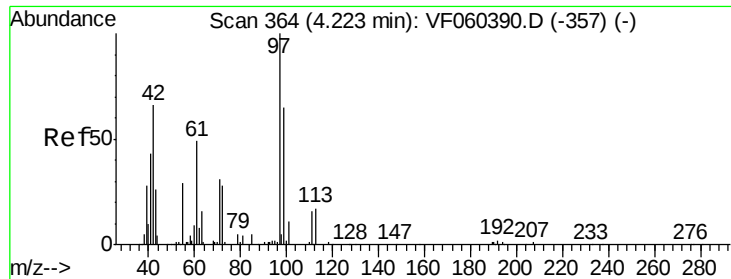


#28

Bromochloromethane
 Concen: 46.199 ug/l
 RT: 3.87 min Scan# 328
 Delta R.T. 0.01 min
 Lab File: VF060417.D
 Acq: 3 Oct 2018 15:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.6
130	77.8	67.3	100.9





#29

Tetrahydrofuran

Concen: 223.489 ug/l

RT: 4.23 min Scan# 365

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

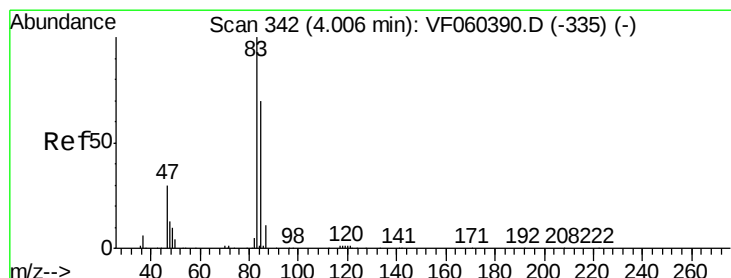
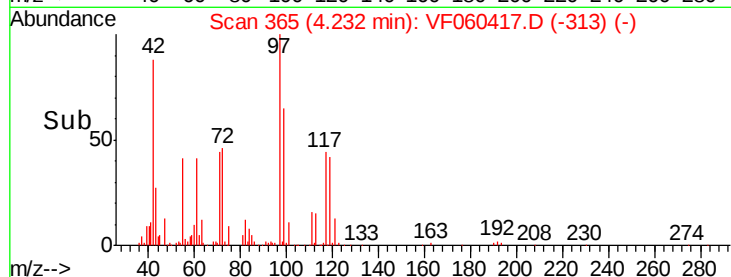
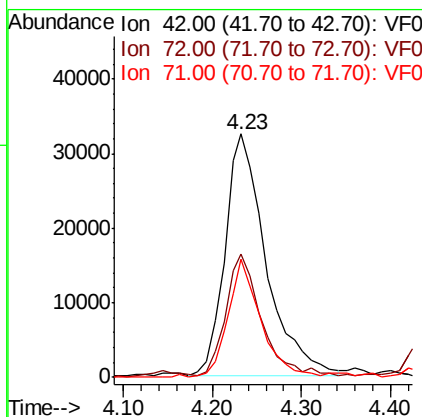
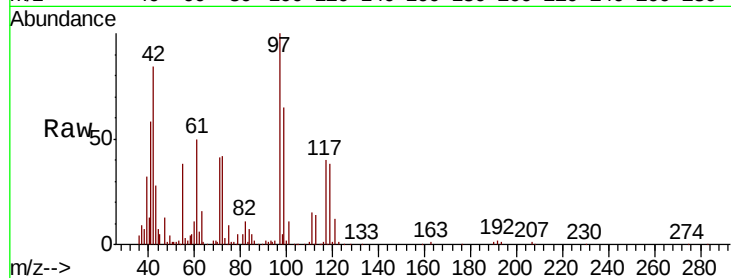
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	33.6	50.4
71	39.8	32.7	49.1

Manual Integrations
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#30

Chloroform

Concen: 43.023 ug/l

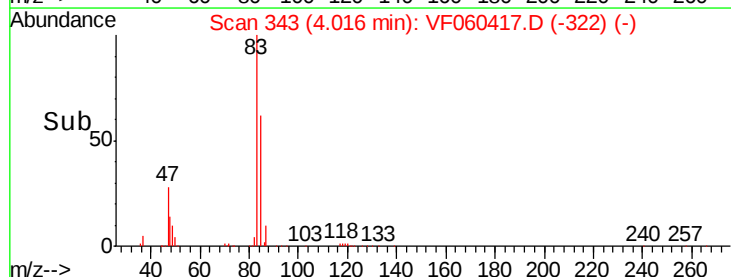
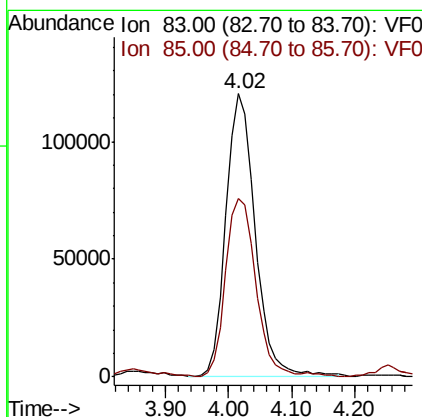
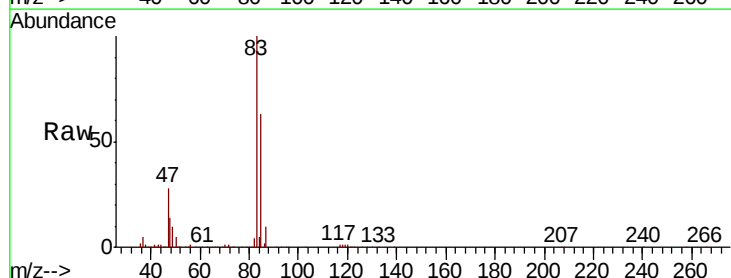
RT: 4.02 min Scan# 343

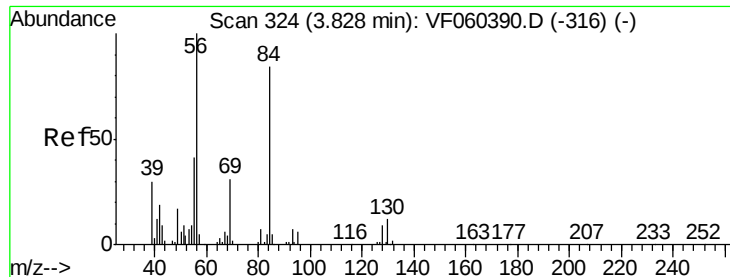
Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	55.9	83.9





#31

Cyclohexane

Concen: 48.052 ug/l

RT: 3.85 min Scan# 326

Delta R.T. 0.02 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

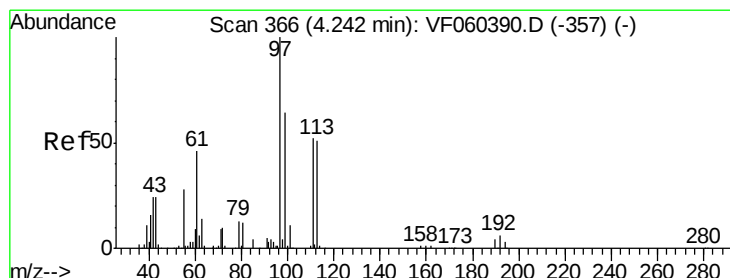
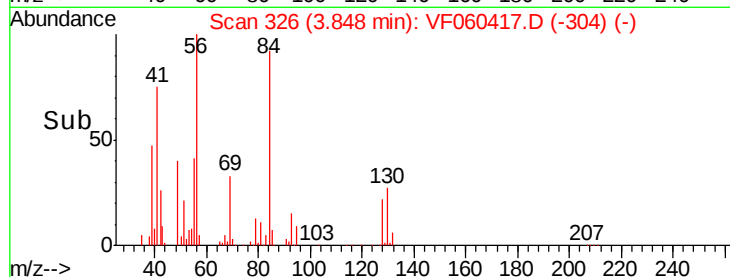
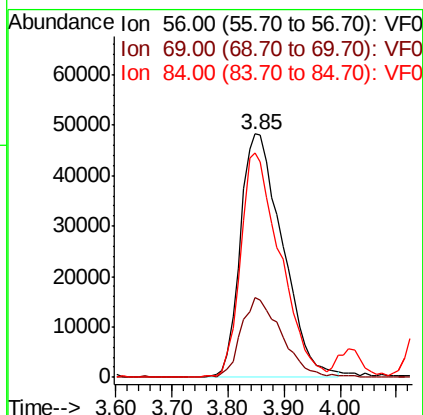
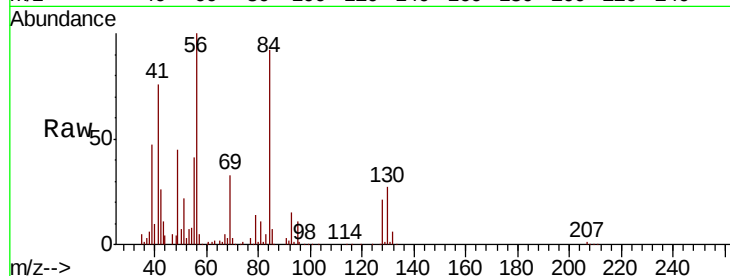
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	250612
Ion Ratio	Lower	Upper	
56	100		
69	32.8	25.5	38.3
84	92.2	67.4	101.0

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#32

1,1,1-Trichloroethane

Concen: 44.467 ug/l

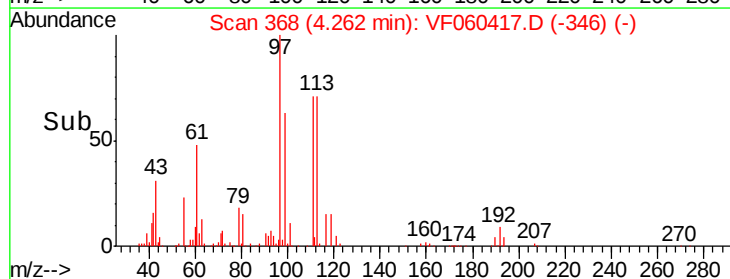
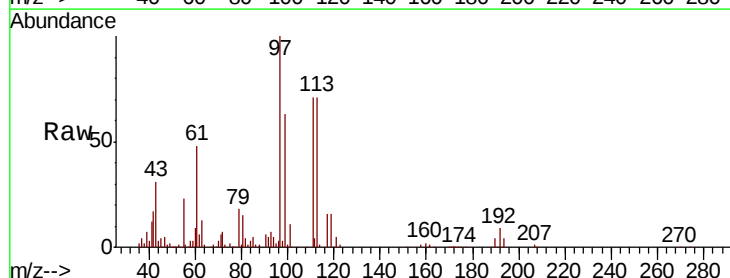
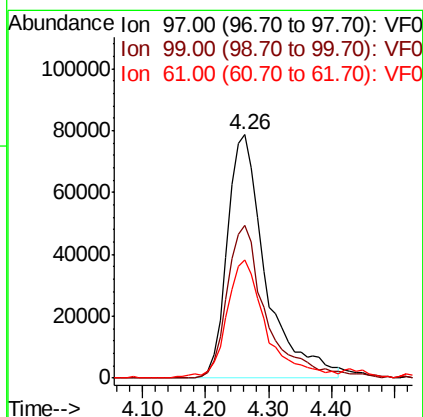
RT: 4.26 min Scan# 368

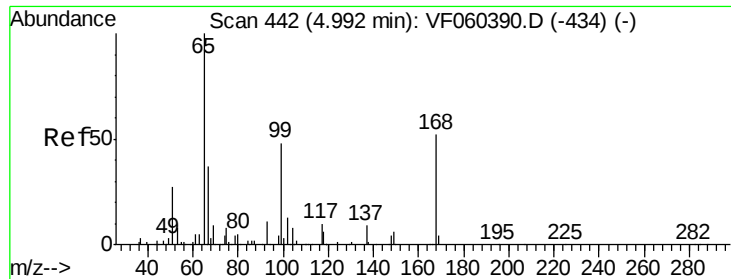
Delta R.T. 0.02 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Tgt Ion:	97	Resp:	331626
Ion Ratio	Lower	Upper	
97	100		
99	62.9	51.0	76.4
61	48.4	37.5	56.3





#33

1,2-Dichloroethane-d4

Concen: 45.000 ug/l

RT: 5.00 min Scan# 443

Delta R.T. 0.01 min

Lab File: VF060417.D

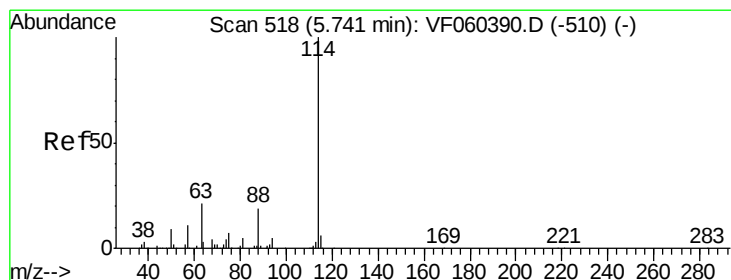
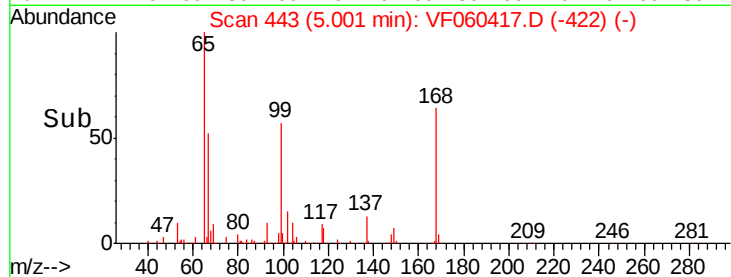
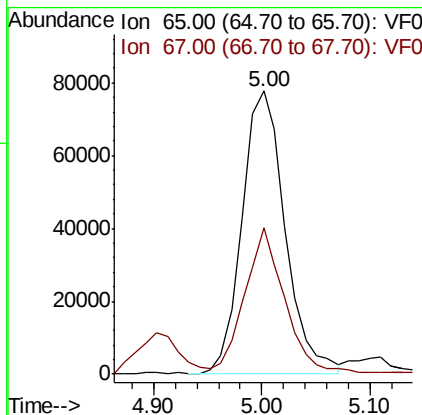
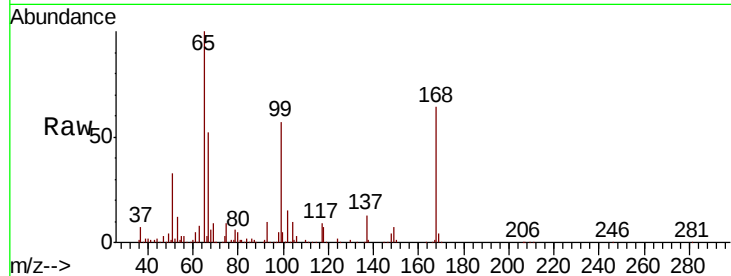
Acq: 3 Oct 2018 15:41

Tot Ion	Ratio	Resp	Lower	Upper
65	100	214370		
67	51.9	0.0	89.4	

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Manual Integrations
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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

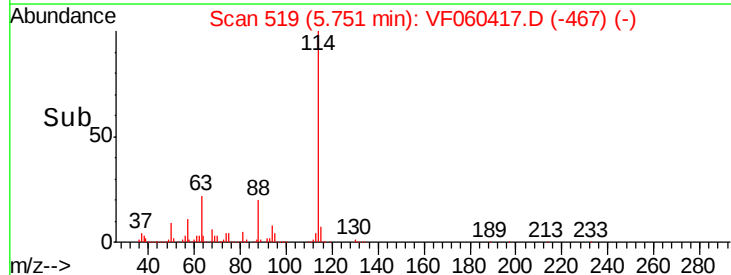
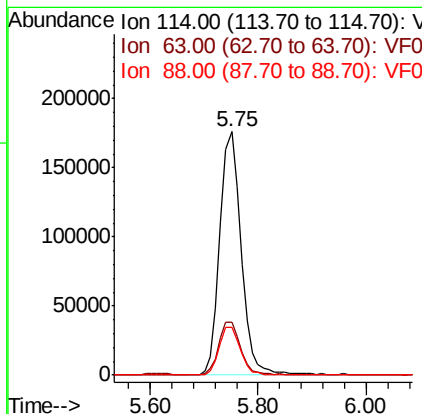
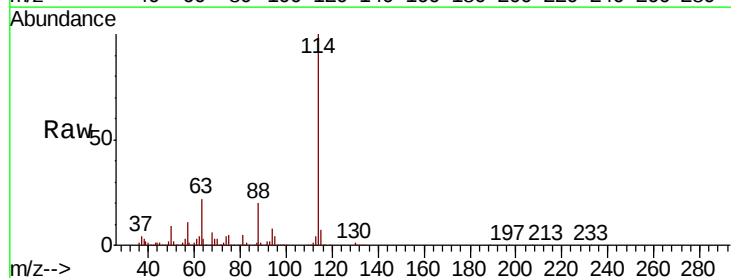
RT: 5.75 min Scan# 519

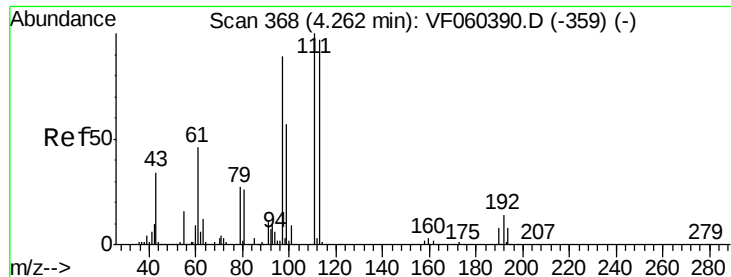
Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	486530		
63	21.6	0.0	42.2	
88	19.8	0.0	38.8	





#35

Dibromofluoromethane

Concen: 45.627 ug/l

RT: 4.27 min Scan# 369

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

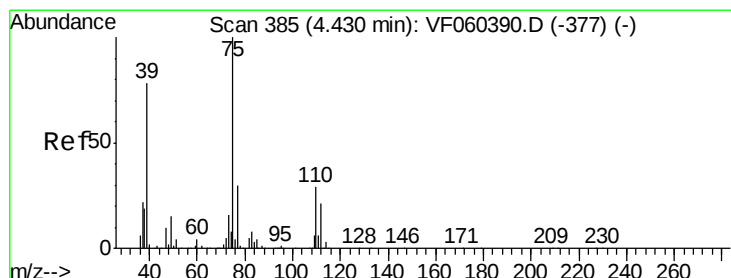
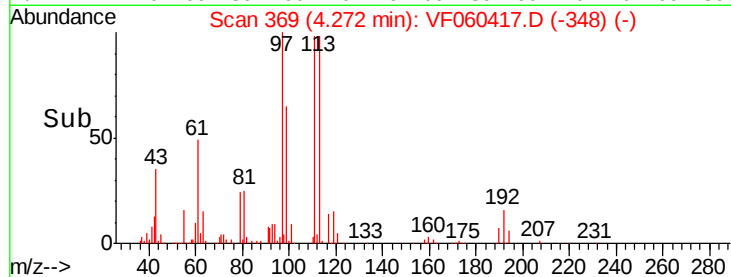
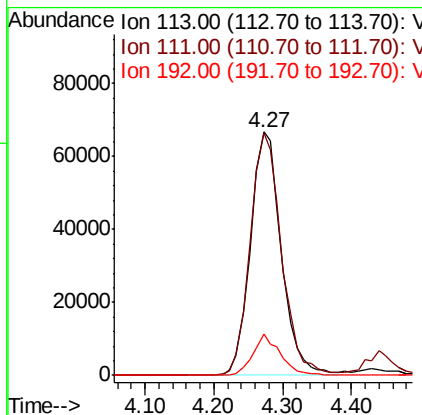
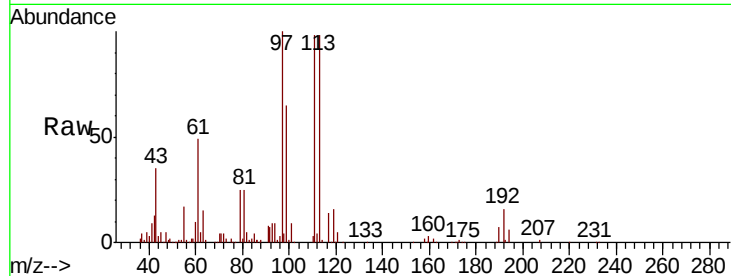
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	208545
Ion Ratio	Lower	Upper	
113	100		
111	99.3	82.3	123.5
192	17.1	11.8	17.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 48.637 ug/l

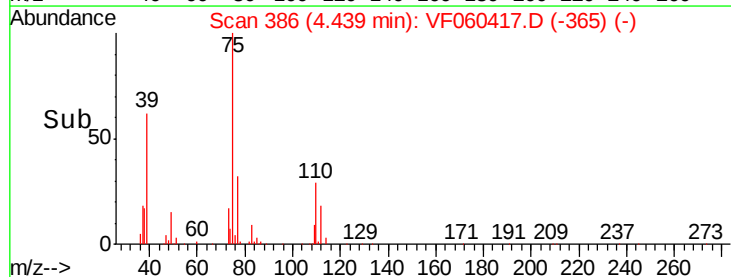
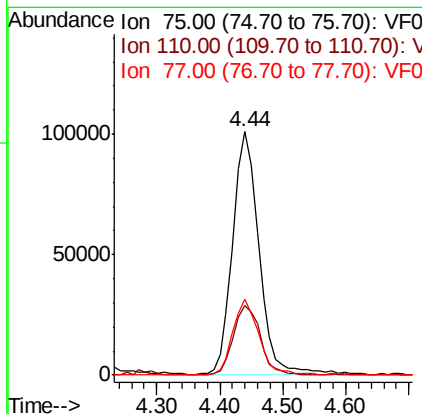
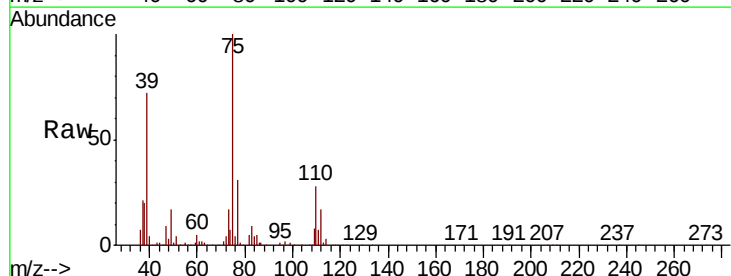
RT: 4.44 min Scan# 386

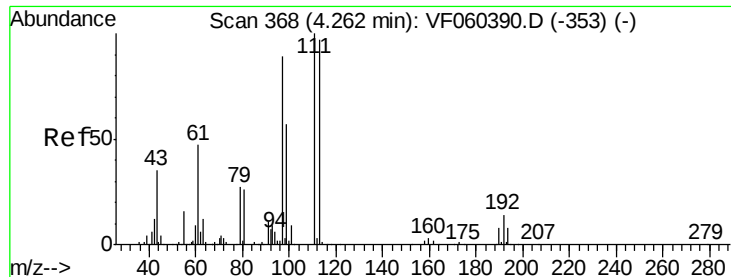
Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Tgt Ion:	75	Resp:	291748
Ion Ratio	Lower	Upper	
75	100		
110	28.3	14.5	43.6
77	30.9	24.3	36.5





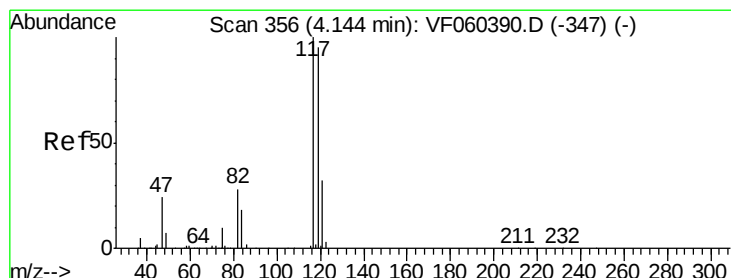
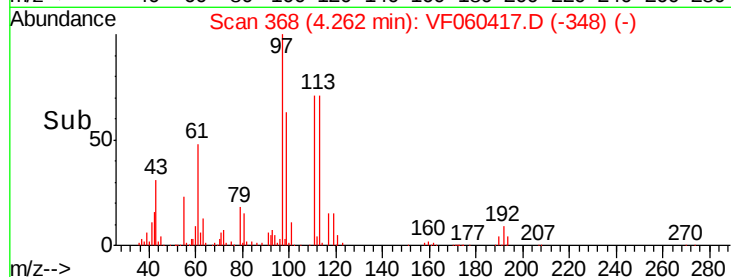
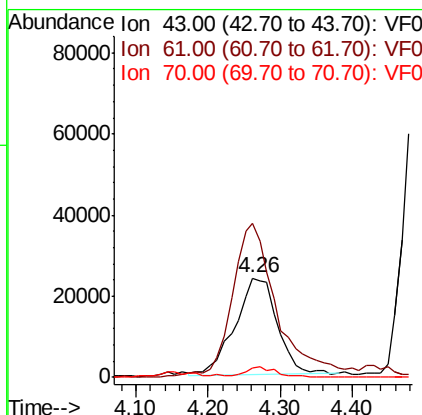
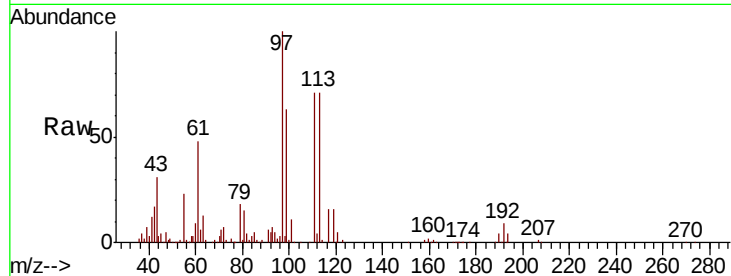
#37
Ethyl Acetate
Concen: 42.535 ug/l
RT: 4.26 min Scan# 368
Delta R.T. -0.00 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	155.3	105.1	157.7
70	9.7	8.0	12.0

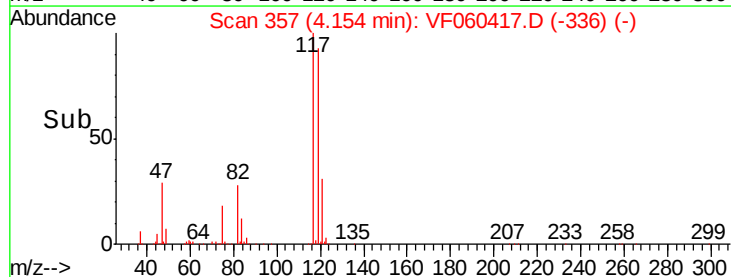
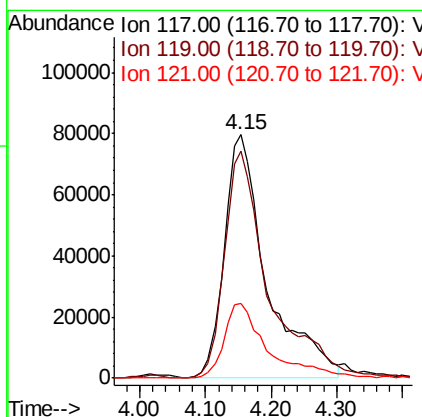
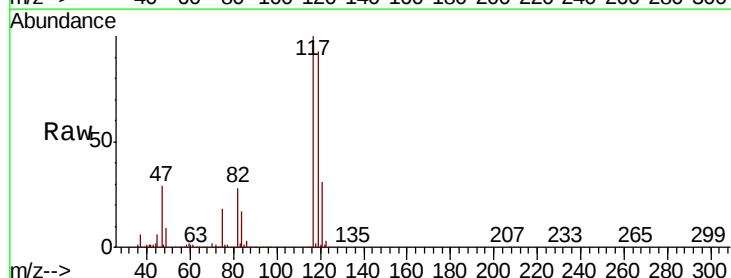
Manual Integrations
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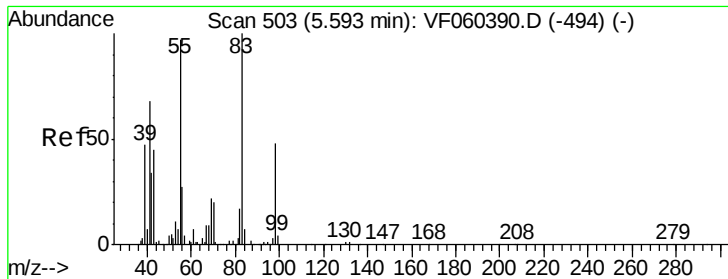
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#38
Carbon Tetrachloride
Concen: 49.118 ug/l
RT: 4.15 min Scan# 357
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	75.5	113.3
121	30.6	25.4	38.0





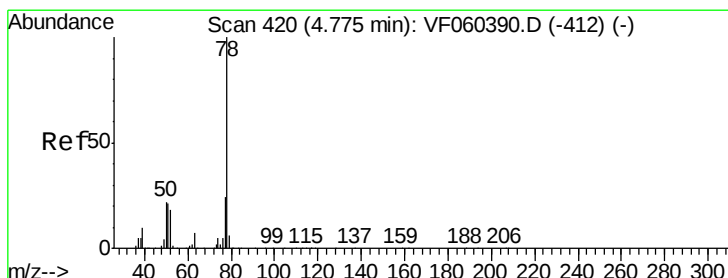
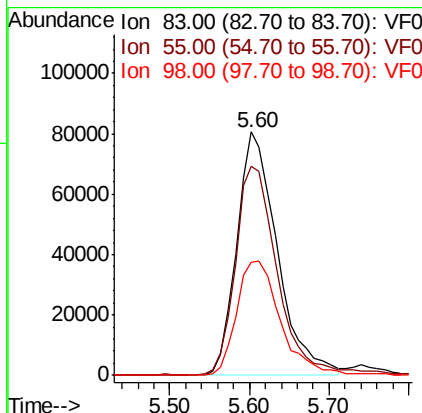
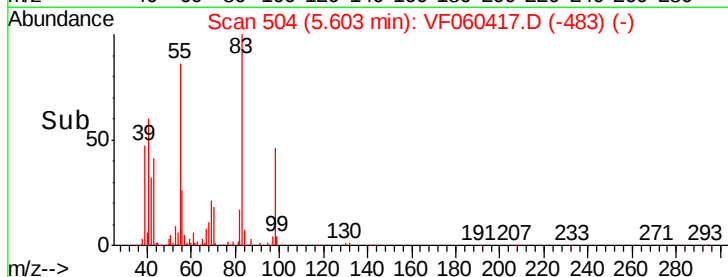
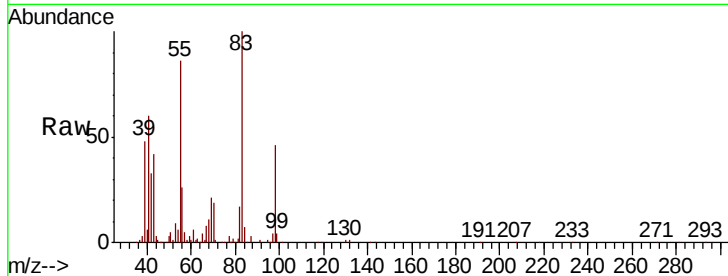
#39
Methvlcvclohexane
Concen: 48.350 ug/l
RT: 5.60 min Scan# 504
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.0	77.5	116.3
98	46.2	38.7	58.1

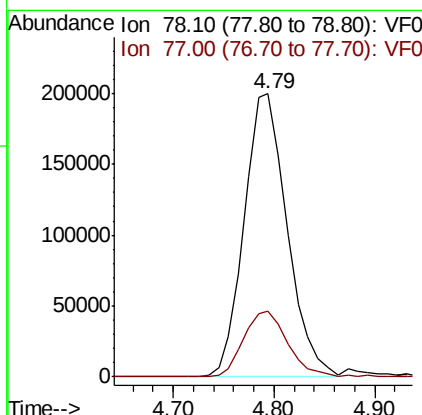
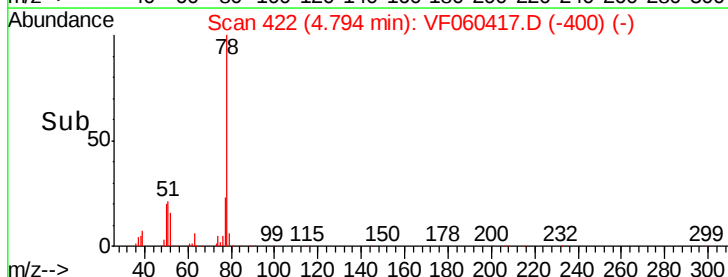
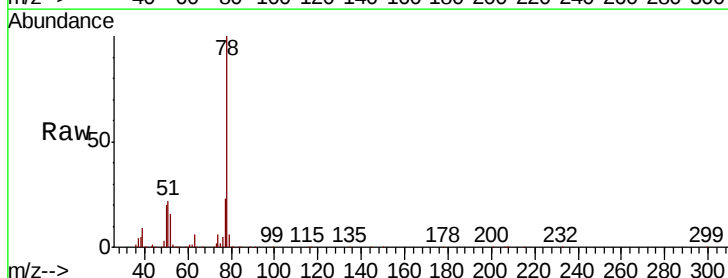
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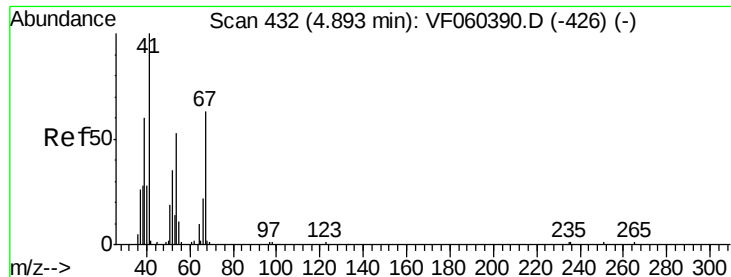
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#40
Benzene
Concen: 49.846 ug/l
RT: 4.79 min Scan# 422
Delta R.T. 0.02 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.2	28.8





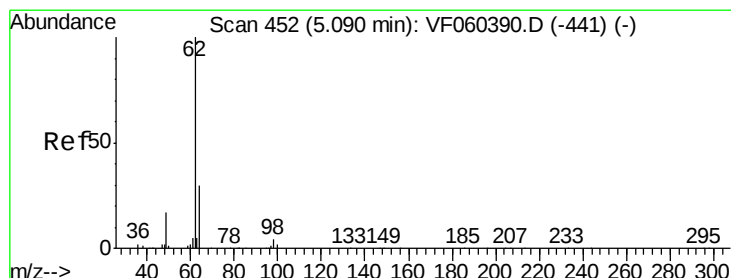
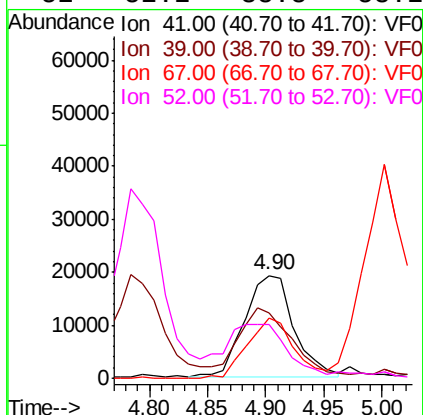
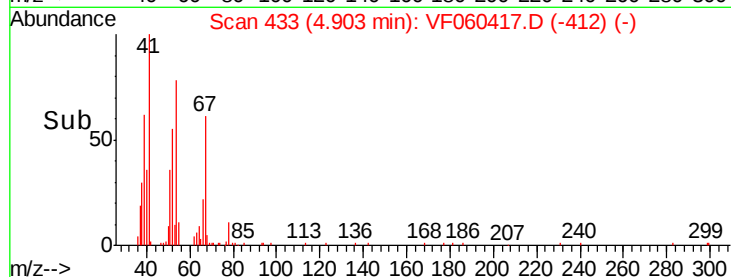
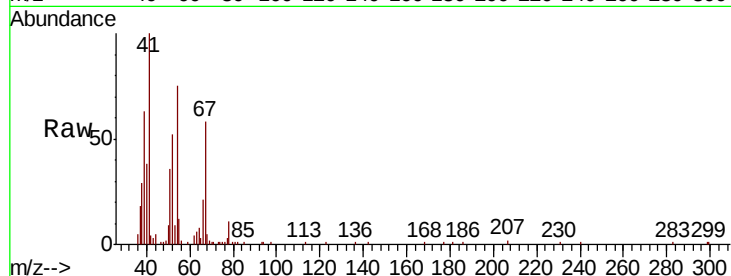
#41
Methacrylonitrile
Concen: 45.821 ug/l
RT: 4.90 min Scan# 433
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	63.4	55.0	82.4	
67	58.4	49.6	74.4	
52	52.2	38.8	58.2	

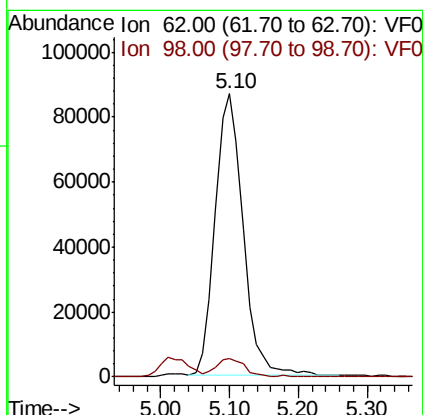
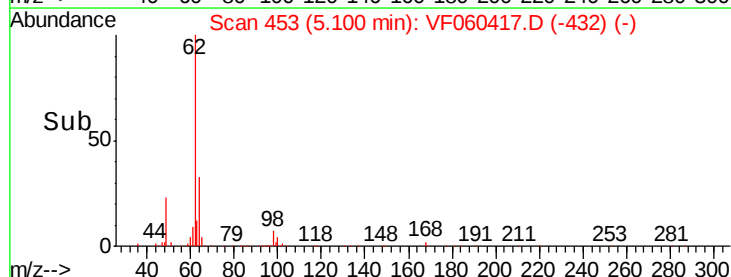
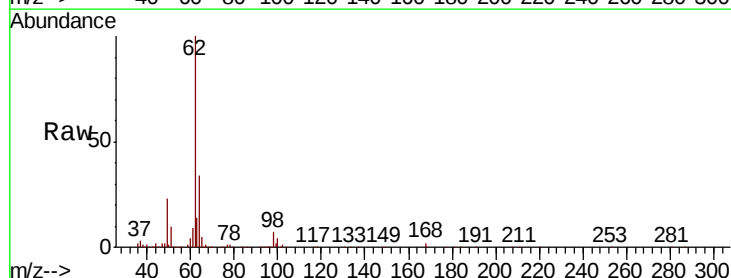
Manual Integrations
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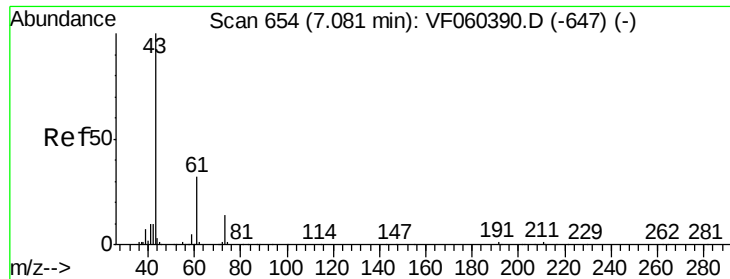
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#42
1,2-Dichloroethane
Concen: 42.782 ug/l
RT: 5.10 min Scan# 453
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	6.5	0.0	11.2	





#43

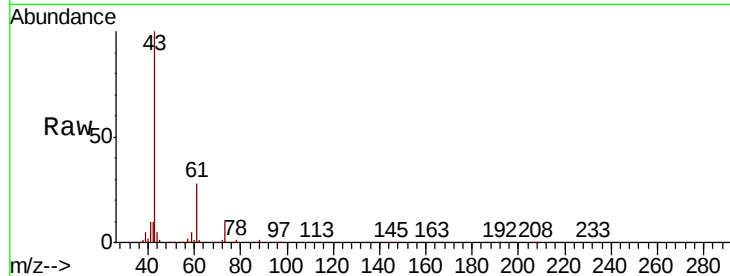
Isopropyl Acetate
 Concen: 46.099 ug/l
 RT: 7.09 min Scan# 655
 Delta R.T. 0.01 min
 Lab File: VF060417.D
 Acq: 3 Oct 2018 15:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

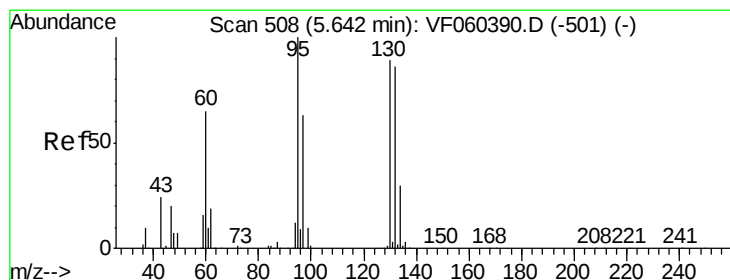
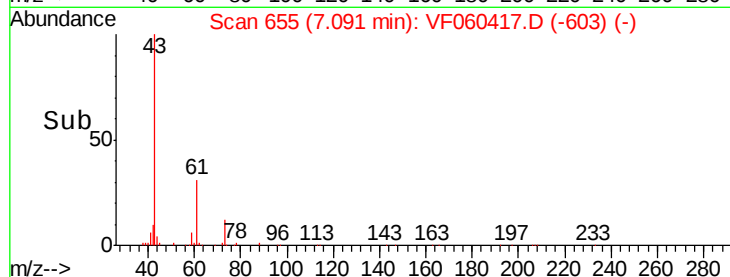
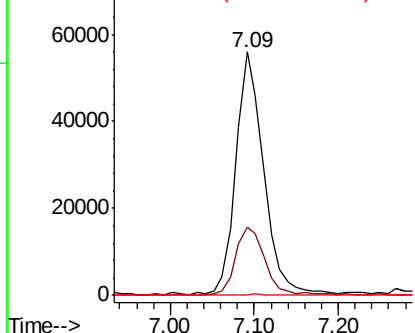
Tot Ion	Ratio	Lower	Upper
43	100		
61	28.2	25.4	38.2
87	0.2	0.3	0.5

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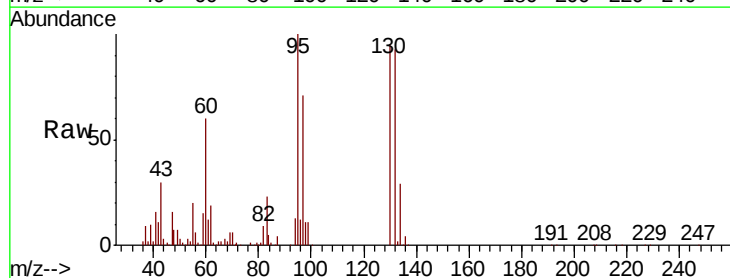
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



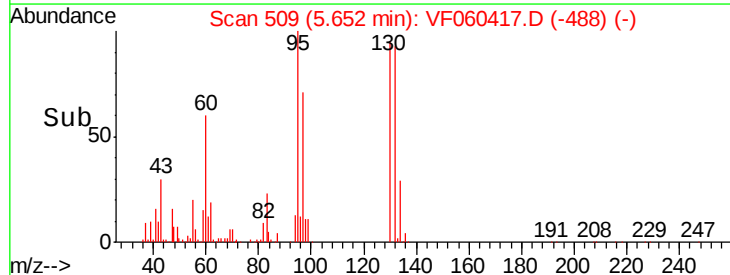
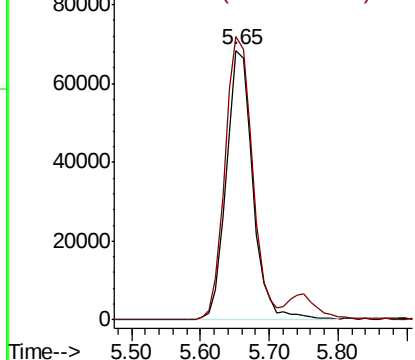
#44

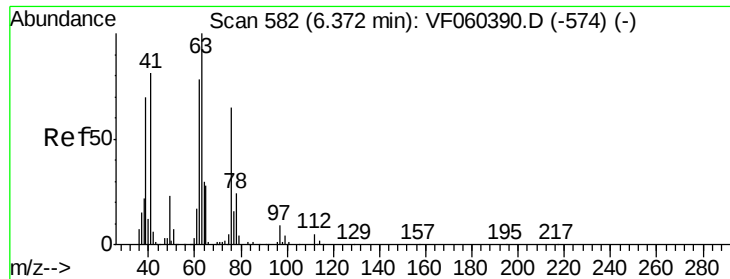
Trichloroethene
 Concen: 48.014 ug/l
 RT: 5.65 min Scan# 509
 Delta R.T. 0.01 min
 Lab File: VF060417.D
 Acq: 3 Oct 2018 15:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.0	0.0	224.4



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 48.995 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Tot Ion: 63 Resp: 155378

Ion Ratio Lower Upper

63 100

65 30.3 22.7 34.1

Instrument :

MSVOA_F

ClientSampleId :

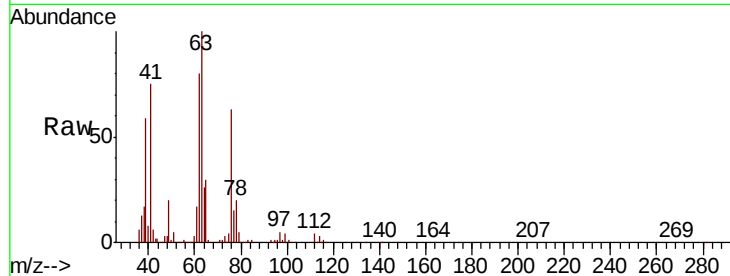
VSTDCCC050

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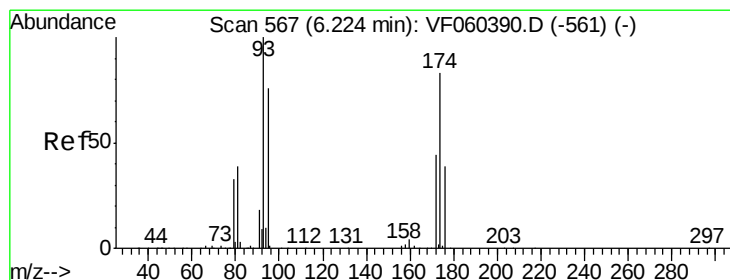
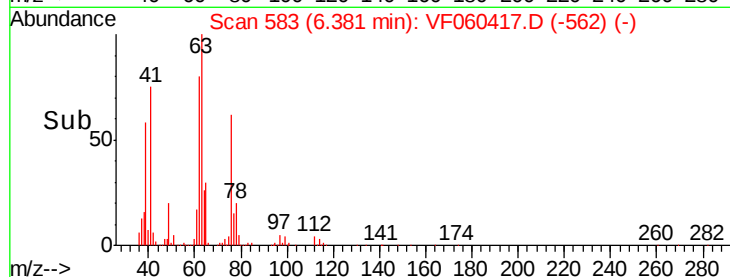
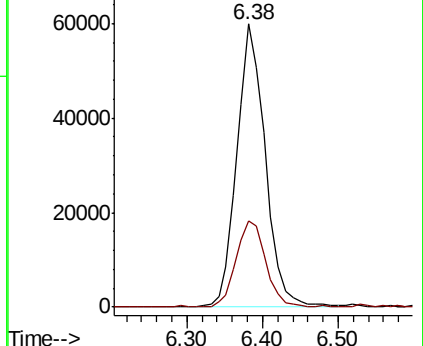
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 46.815 ug/l

RT: 6.23 min Scan# 568

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

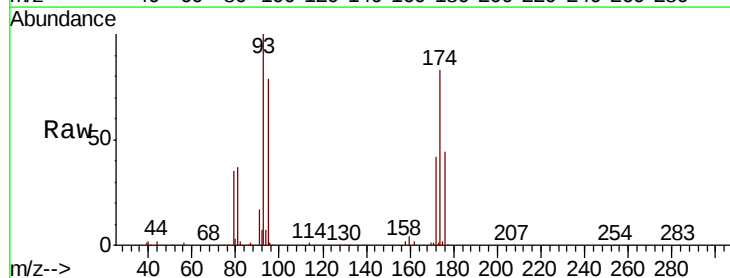
Tgt Ion: 93 Resp: 119365

Ion Ratio Lower Upper

93 100

95 79.1 61.1 91.7

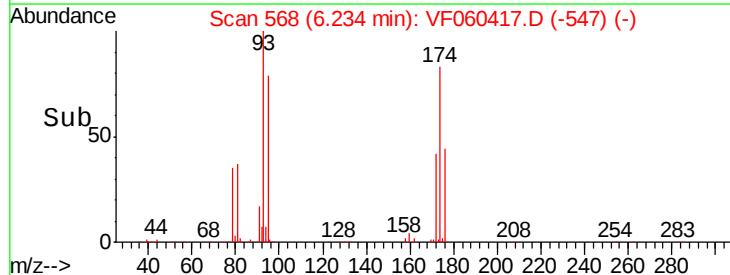
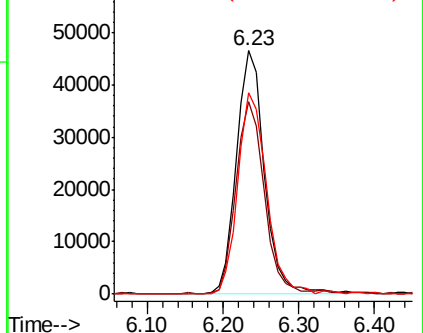
174 82.6 66.7 100.1

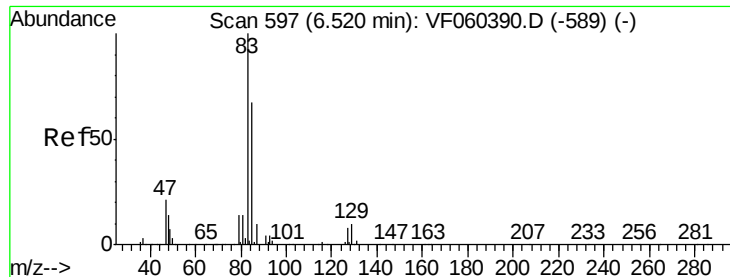


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 47.731 ug/l

RT: 6.53 min Scan# 598

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

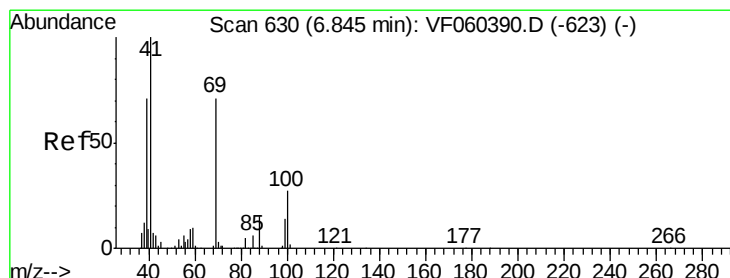
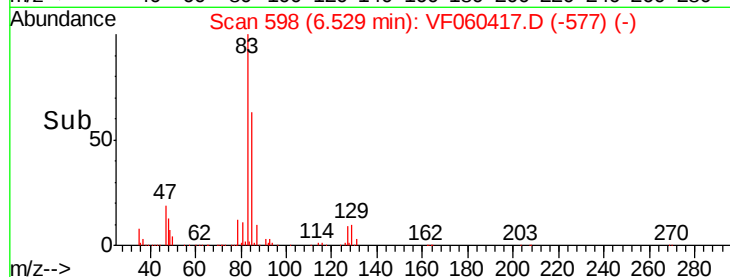
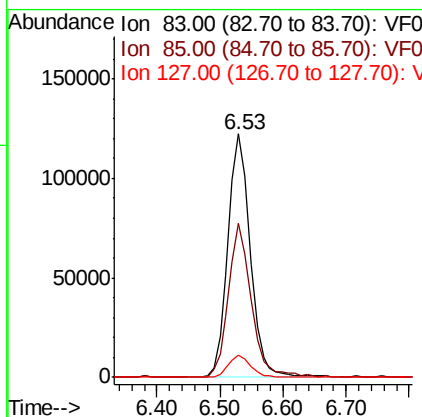
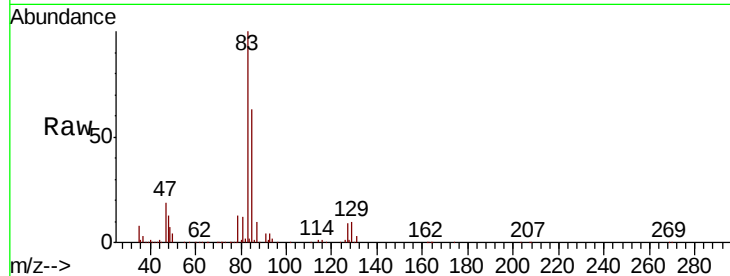
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	301410
Ion Ratio	Lower	Upper	
83	100		
85	63.2	53.2	79.8
127	9.4	6.6	9.8

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#48

Methyl methacrylate

Concen: 44.397 ug/l

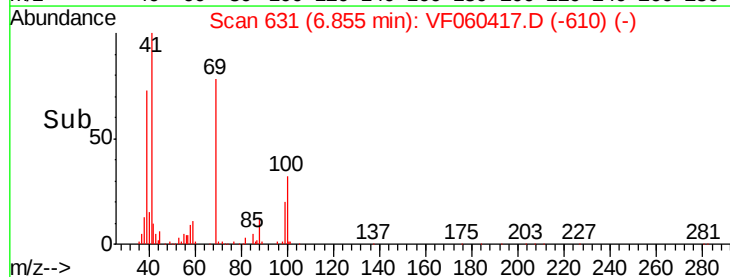
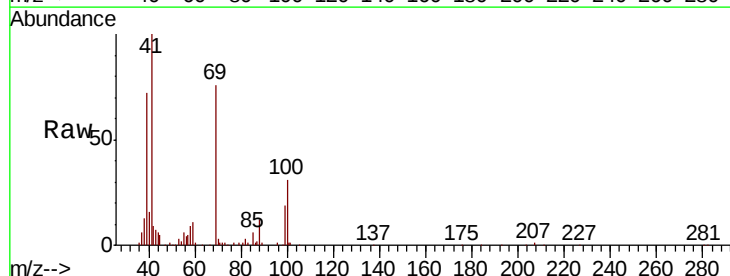
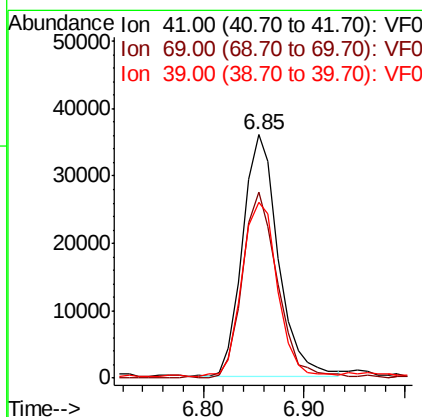
RT: 6.85 min Scan# 631

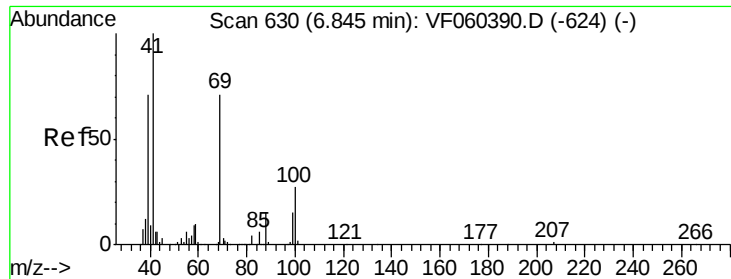
Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Tgt Ion:	41	Resp:	88469
Ion Ratio	Lower	Upper	
41	100		
69	76.4	56.3	84.5
39	72.4	56.9	85.3





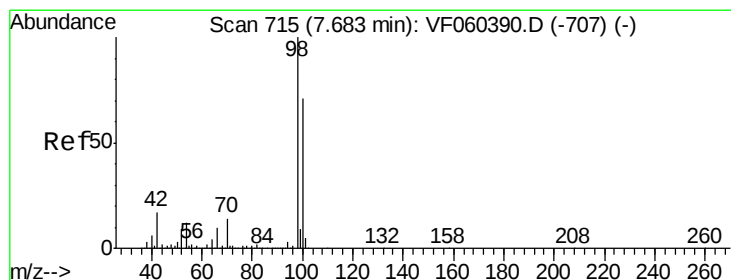
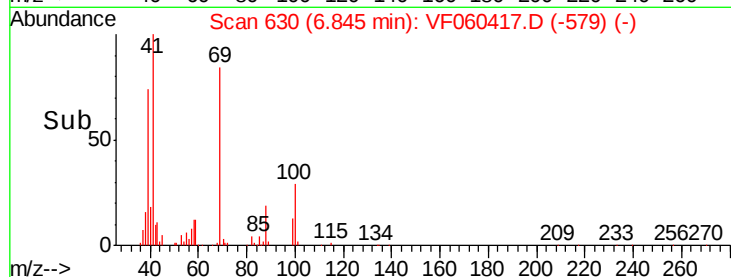
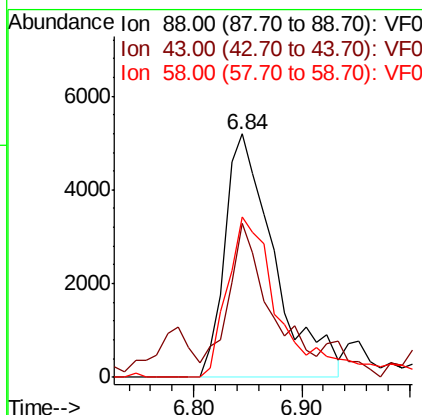
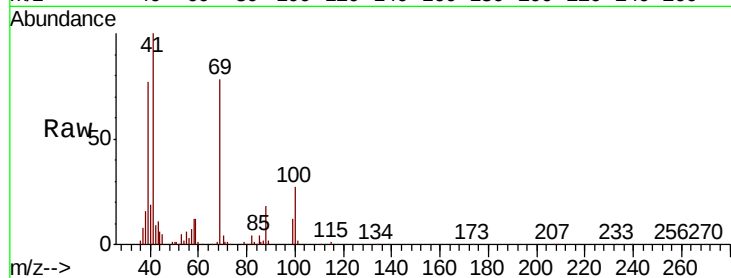
#49
1,4-Dioxane
Concen: 962.209 ug/l
RT: 6.84 min Scan# 630
Delta R.T. -0.00 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	63.1	38.3	57.5#
58	65.7	47.4	71.2

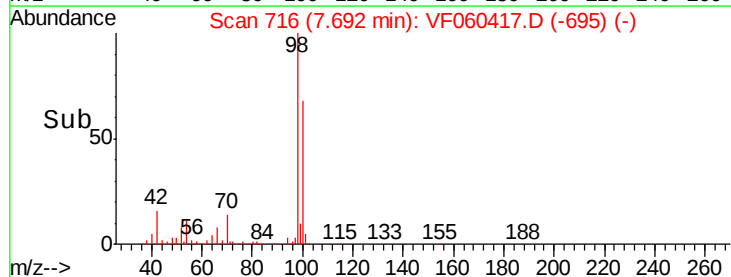
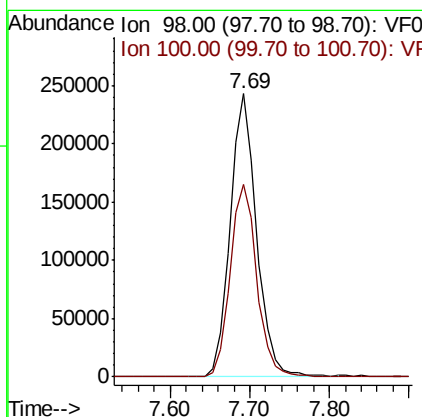
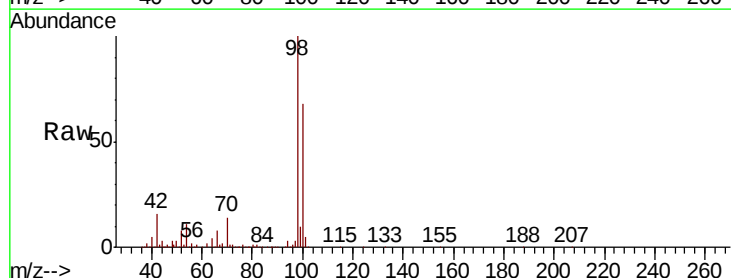
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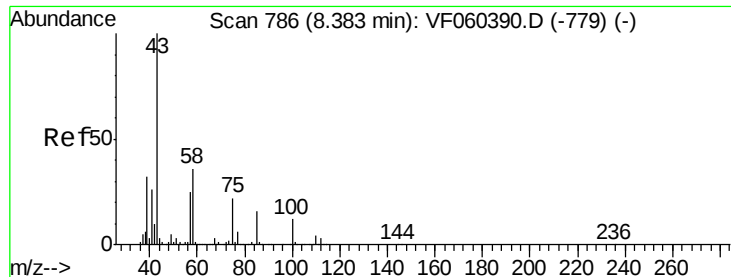
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#50
Toluene-d8
Concen: 50.153 ug/l
RT: 7.69 min Scan# 716
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.0	56.5	84.7





#51

4-Methyl-2-Pentanone

Concen: 228.077 ug/l

RT: 8.38 min Scan# 786

Delta R.T. -0.00 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 450693

Ion Ratio Lower Upper

43 100

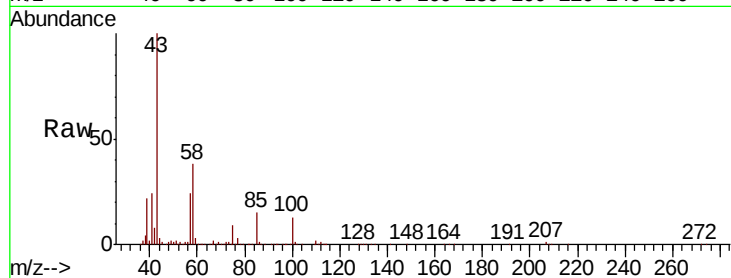
58 38.2 28.5 42.7

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

8.38

200000

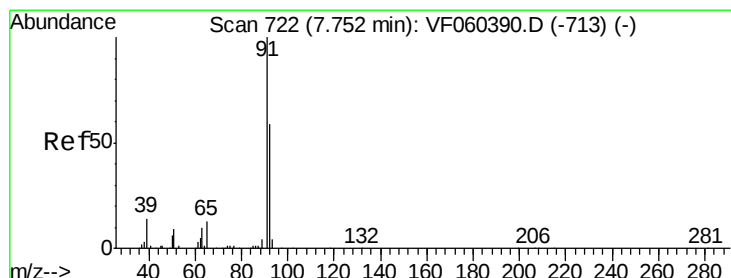
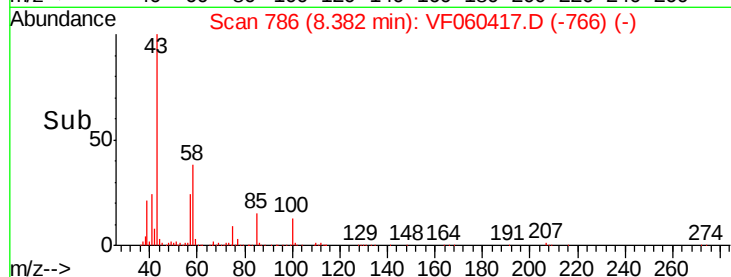
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 49.253 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.01 min

Lab File: VF060417.D

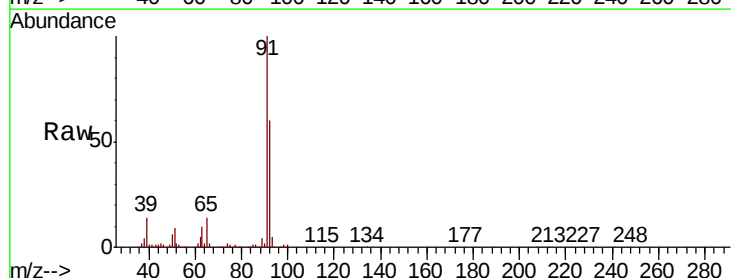
Acq: 3 Oct 2018 15:41

Tgt Ion: 92 Resp: 398377

Ion Ratio Lower Upper

92 100

91 165.9 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.76

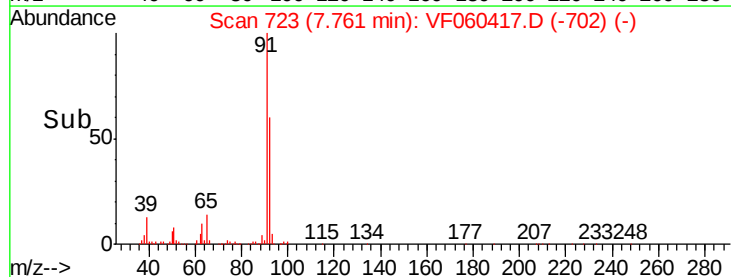
300000

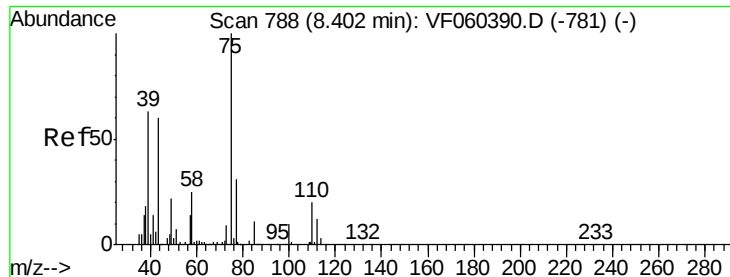
200000

100000

0

Time-->





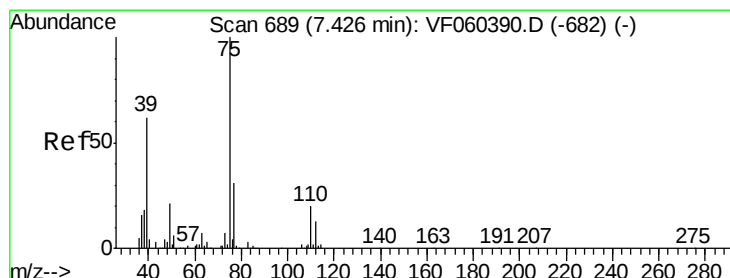
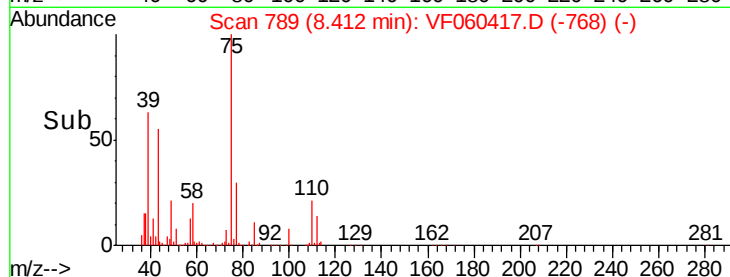
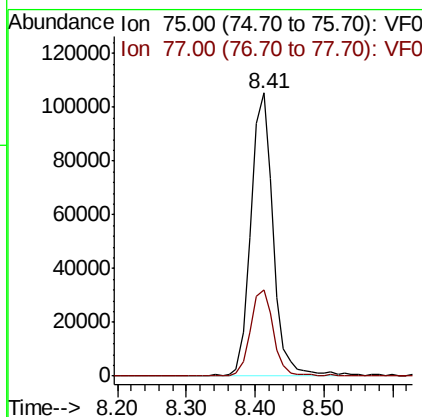
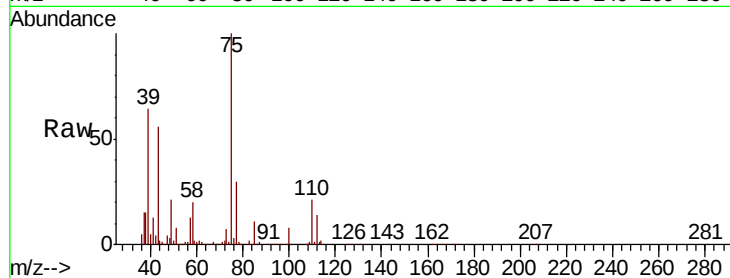
#53
t-1,3-Dichloropropene
Concen: 47.958 ug/l
RT: 8.41 min Scan# 789
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.6	36.8

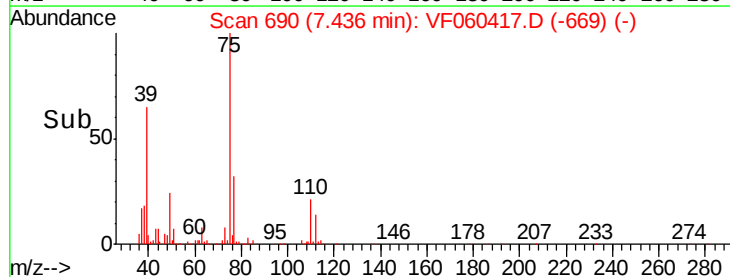
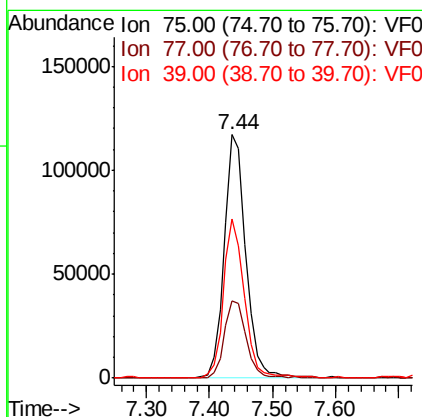
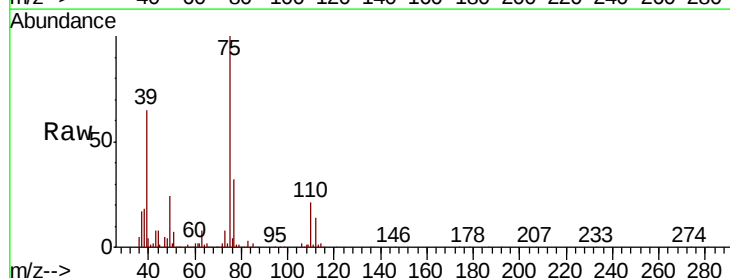
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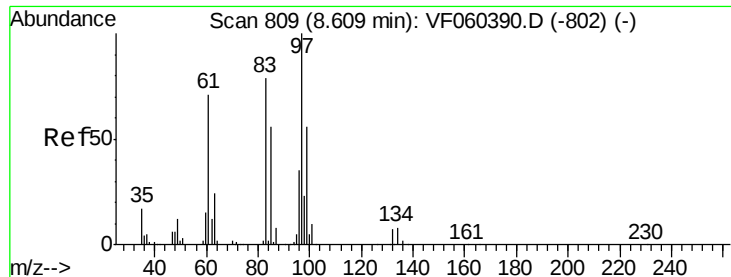
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#54
cis-1,3-Dichloropropene
Concen: 48.258 ug/l
RT: 7.44 min Scan# 690
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.2	37.8
39	65.1	49.7	74.5





#55

1,1,2-Trichloroethane

Concen: 47.292 ug/l

RT: 8.62 min Scan# 810

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

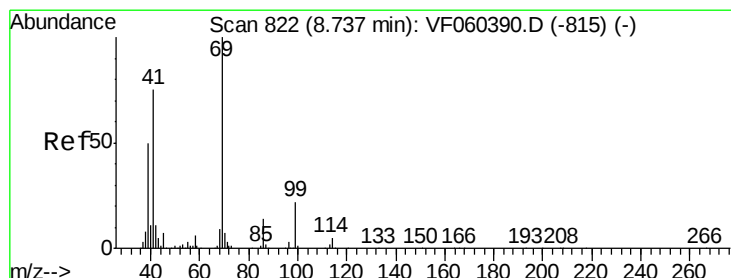
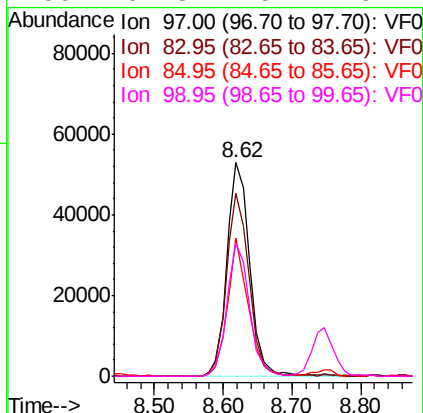
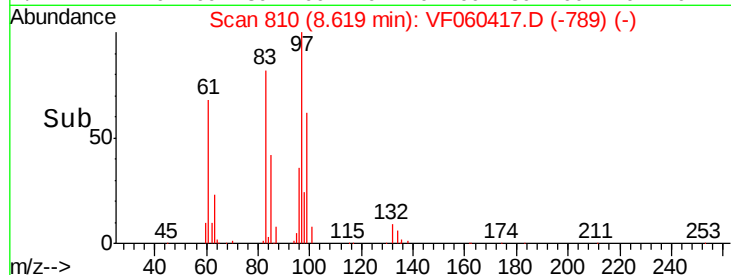
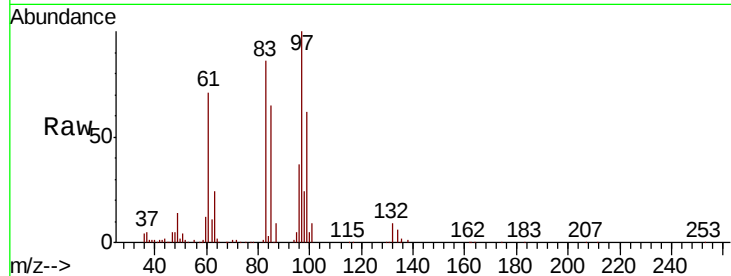
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		121245		
83	85.7	63.4	95.0		
85	64.9	44.5	66.7		
99	62.3	45.1	67.7		

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#56

Ethyl methacrylate

Concen: 48.618 ug/l

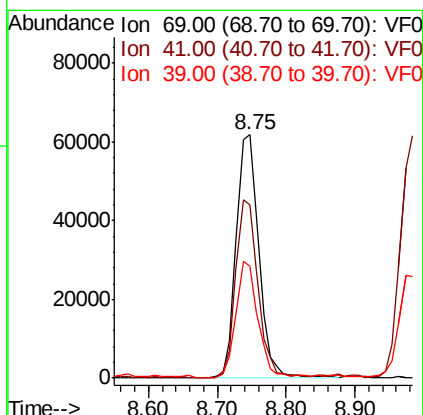
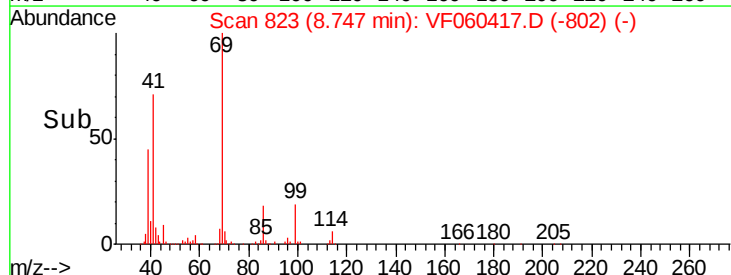
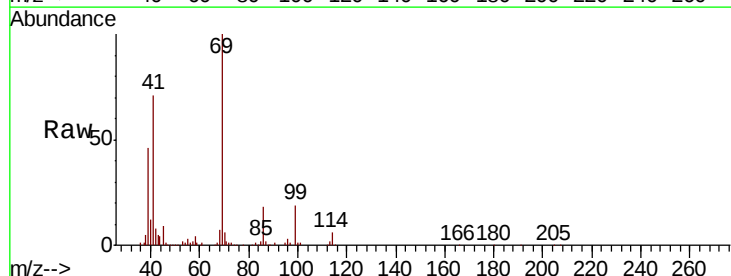
RT: 8.75 min Scan# 823

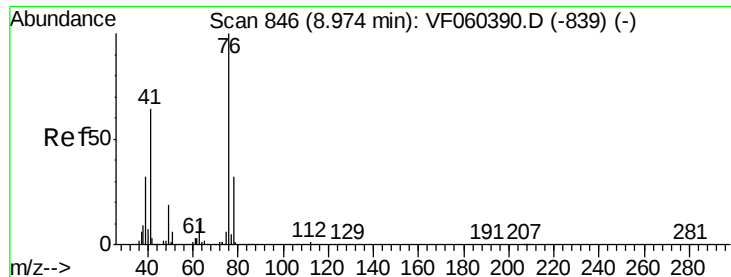
Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		141637		
41	70.9	60.2	90.4		
39	46.0	40.2	60.2		





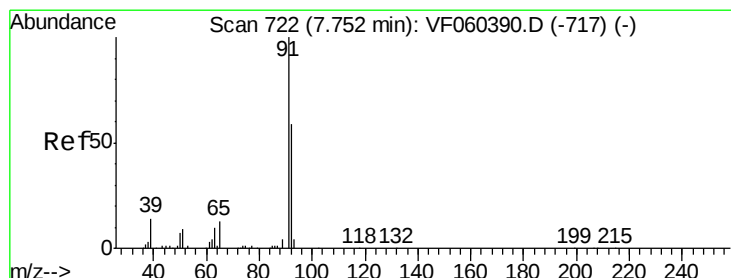
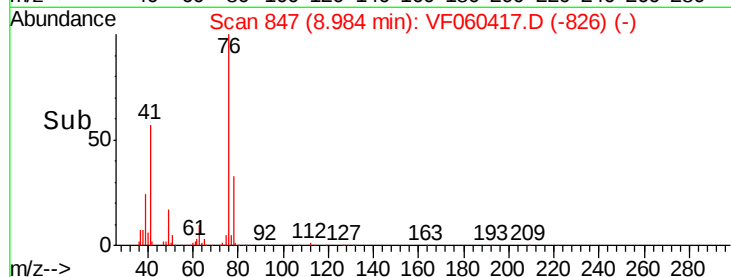
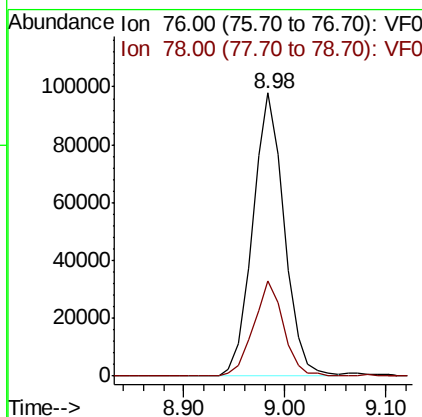
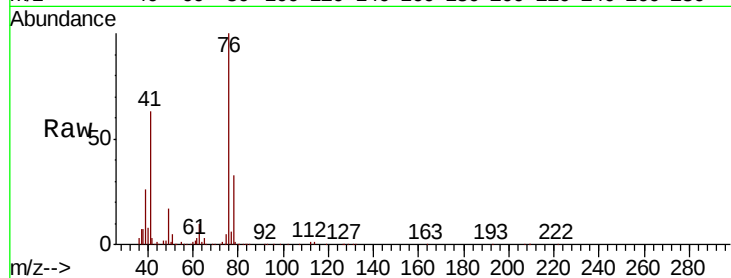
#57
 1,3-Dichloropropane
 Concen: 49.089 ug/l
 RT: 8.98 min Scan# 847
 Delta R.T. 0.01 min
 Lab File: VF060417.D
 Acq: 3 Oct 2018 15:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.5	25.3	37.9

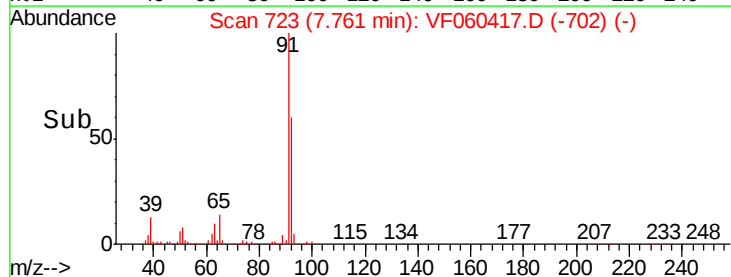
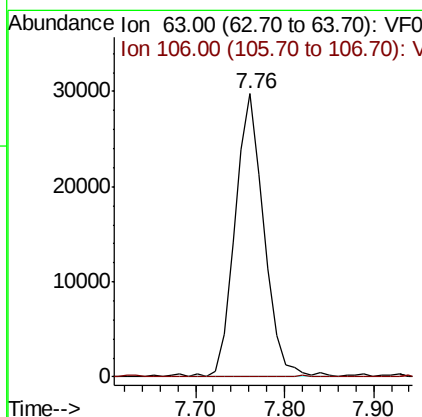
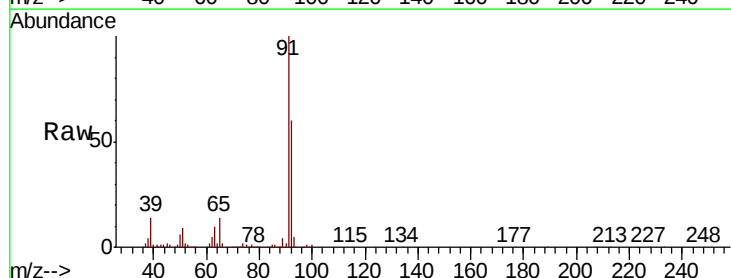
Manual Integrations
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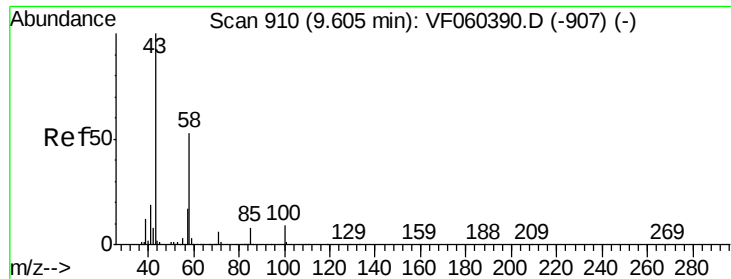
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 226.643 ug/l
 RT: 7.76 min Scan# 723
 Delta R.T. 0.01 min
 Lab File: VF060417.D
 Acq: 3 Oct 2018 15:41

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





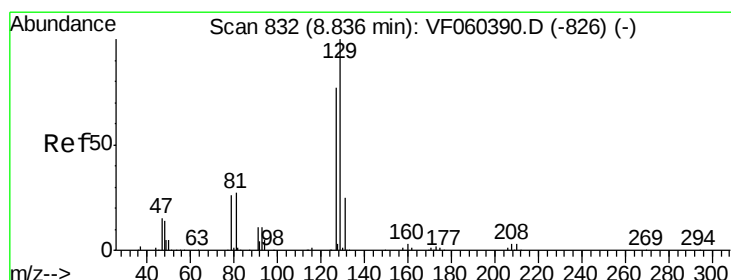
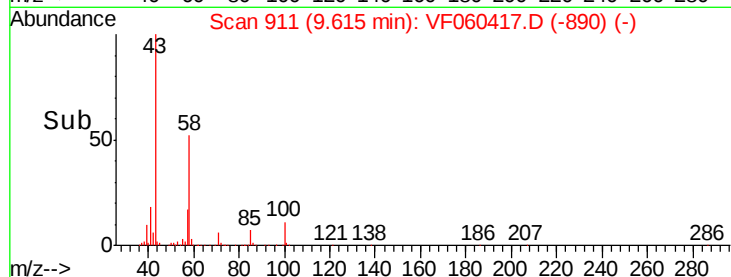
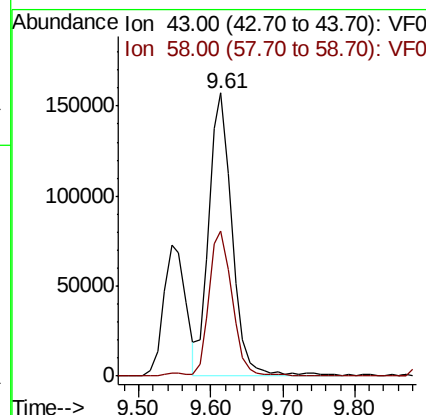
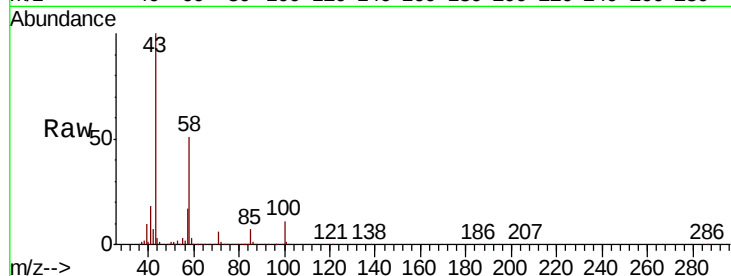
#59
2-Hexanone
Concen: 239.124 ug/l
RT: 9.61 min Scan# 911
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 346588
Ion Ratio Lower Upper
43 100
58 51.3 25.6 76.6

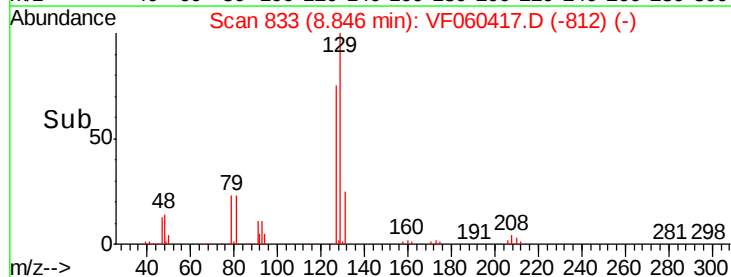
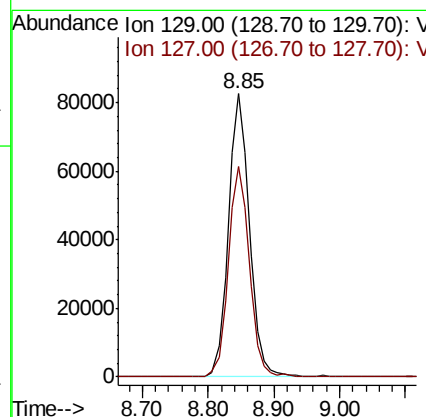
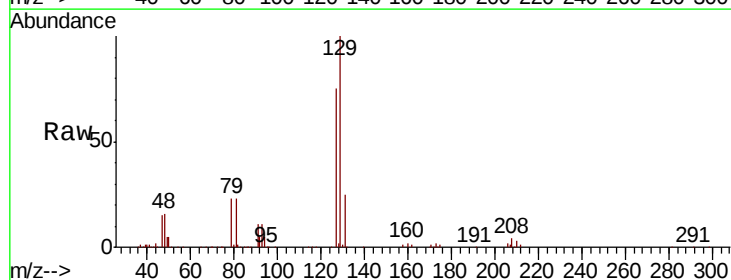
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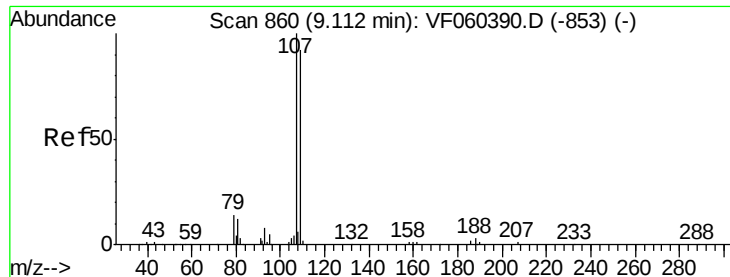
apatel
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#60
Dibromochloromethane
Concen: 48.009 ug/l
RT: 8.85 min Scan# 833
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Tgt Ion: 129 Resp: 185323
Ion Ratio Lower Upper
129 100
127 74.5 38.3 114.8





#61

1,2-Dibromoethane

Concen: 49.812 ug/l

RT: 9.12 min Scan# 861

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 139738

Ion Ratio Lower Upper

107 100

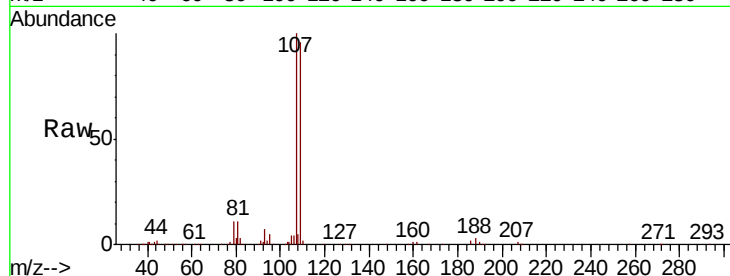
109 95.6 73.7 110.5

Manual Integrations

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

60000

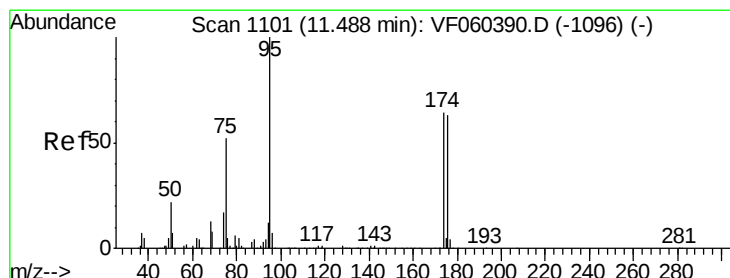
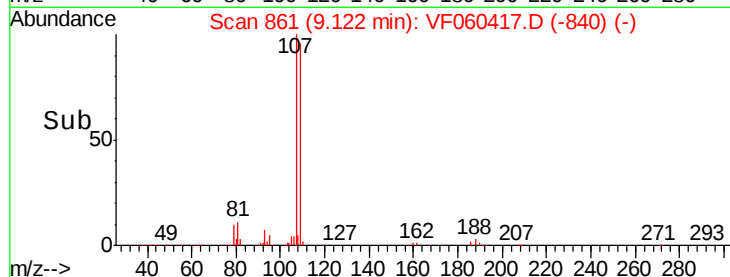
40000

20000

0

9.00 9.10 9.20 9.30

Time-->



#62

4-Bromofluorobenzene

Concen: 46.503 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

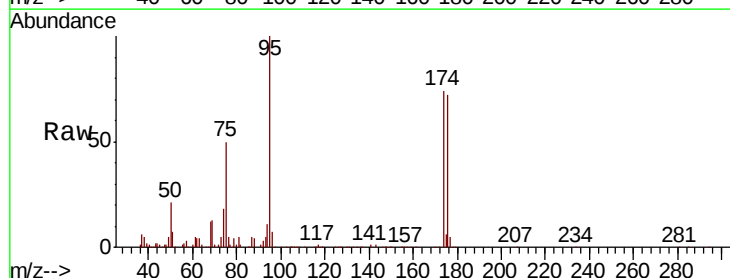
Tgt Ion: 95 Resp: 239010

Ion Ratio Lower Upper

95 100

174 74.5 0.0 129.0

176 71.8 0.0 125.6



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

200000

150000

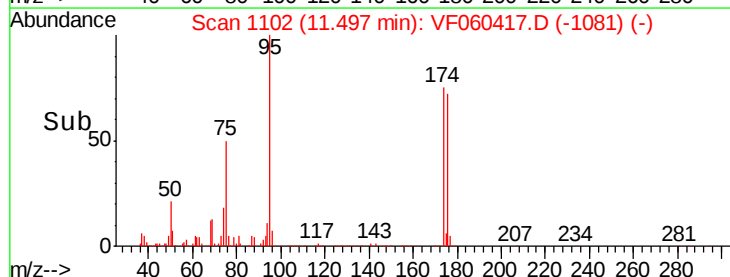
100000

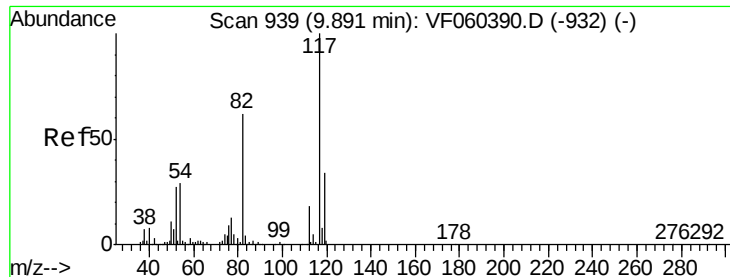
50000

0

11.40 11.50 11.60

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 940

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

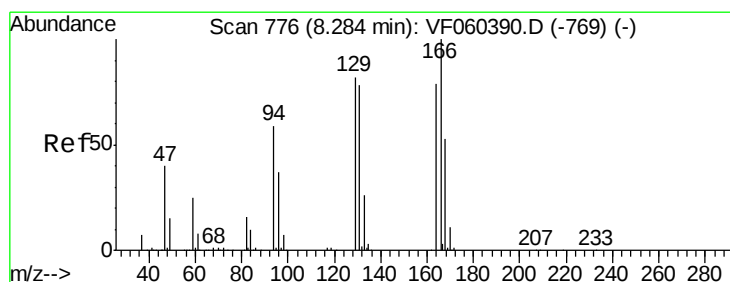
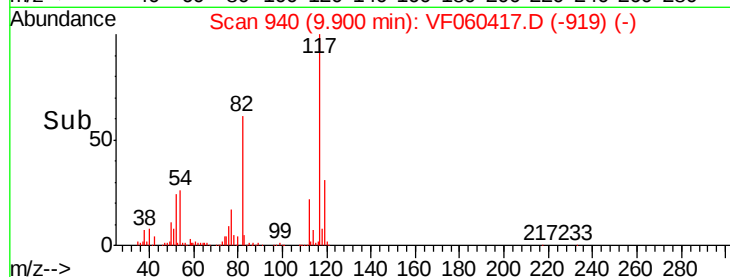
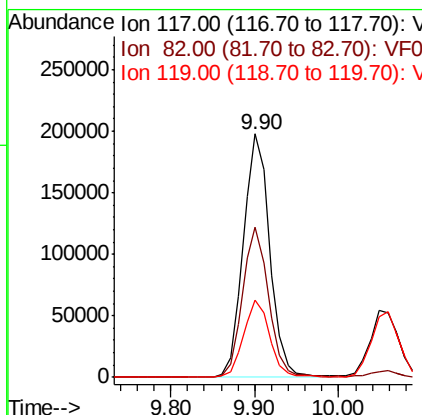
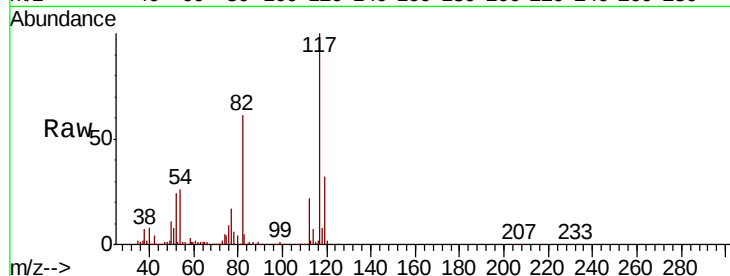
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	434281
Ion Ratio	Lower	Upper	
117	100		
82	61.4	49.5	74.3
119	31.5	27.0	40.6

Manual Integrations
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#64

Tetrachloroethene

Concen: 49.314 ug/l

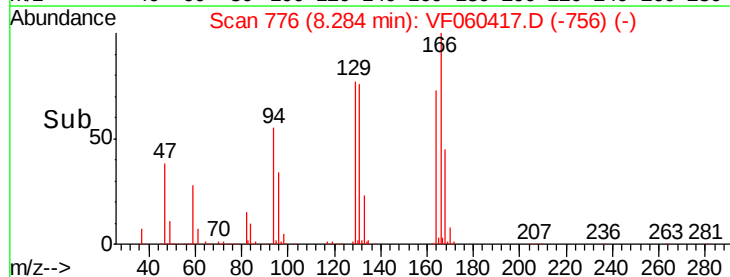
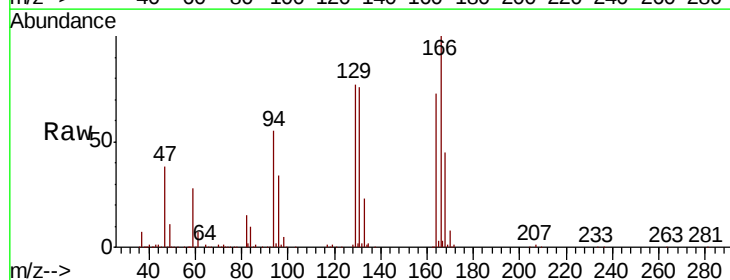
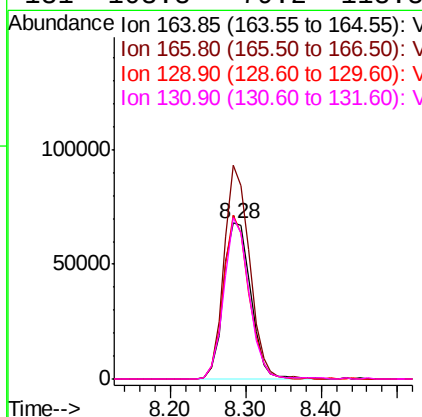
RT: 8.28 min Scan# 776

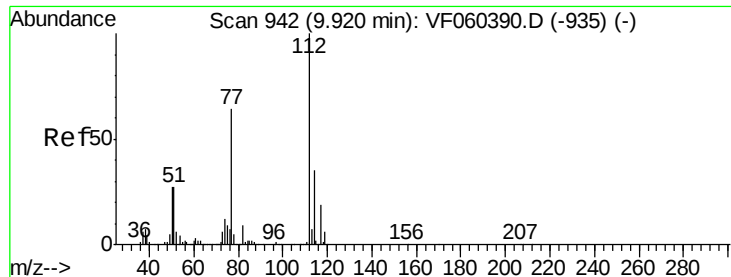
Delta R.T. -0.00 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Tgt Ion:	164	Resp:	170245
Ion Ratio	Lower	Upper	
164	100		
166	137.0	101.0	151.6
129	105.3	82.5	123.7
131	103.8	79.2	118.8





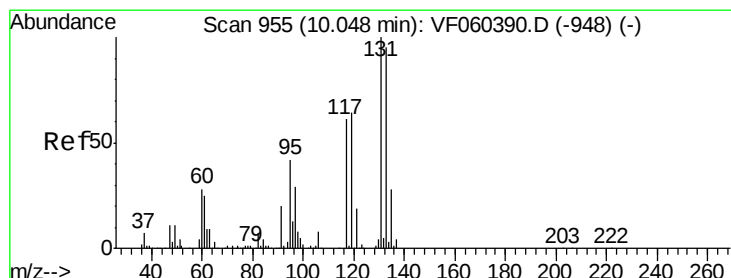
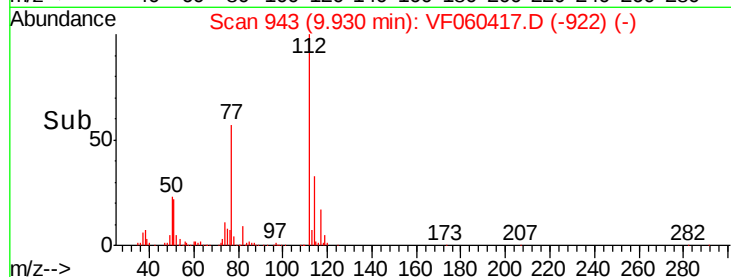
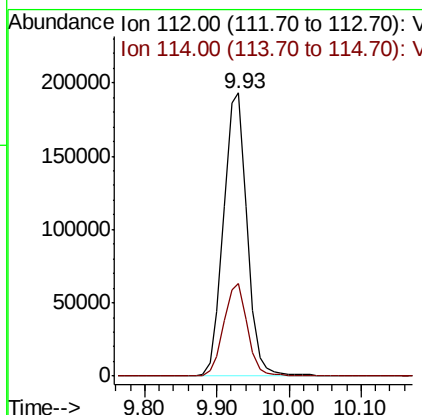
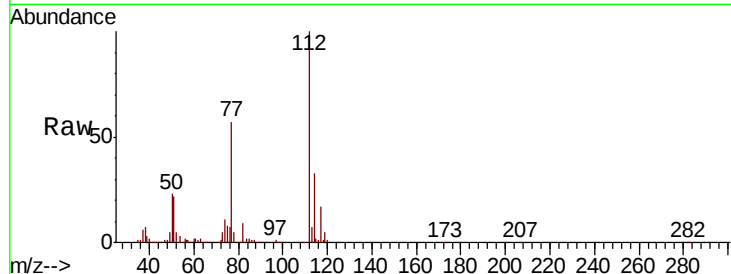
#65
Chlorobenzene
Concen: 48.861 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	27.7	41.5

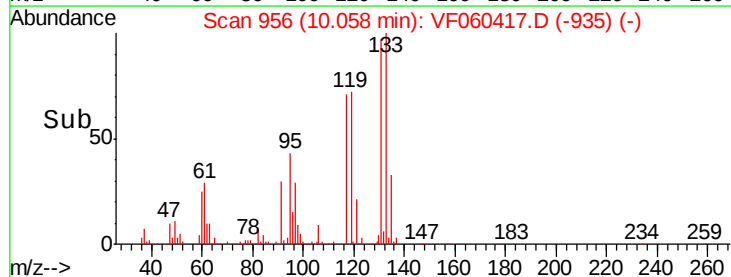
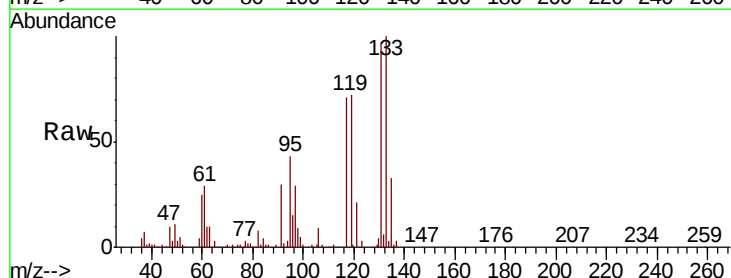
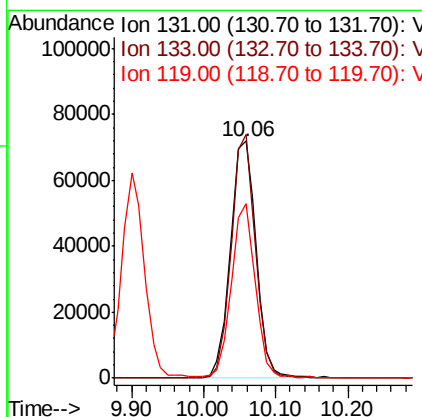
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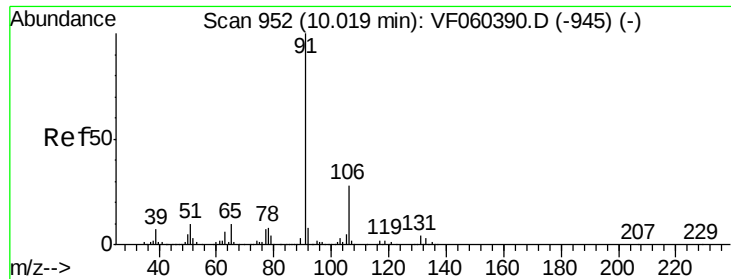
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#66
1,1,1,2-Tetrachloroethane
Concen: 46.083 ug/l
RT: 10.06 min Scan# 956
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Tgt Ion	Ratio	Lower	Upper
131	100		
133	102.7	47.3	141.8
119	73.8	32.3	96.9





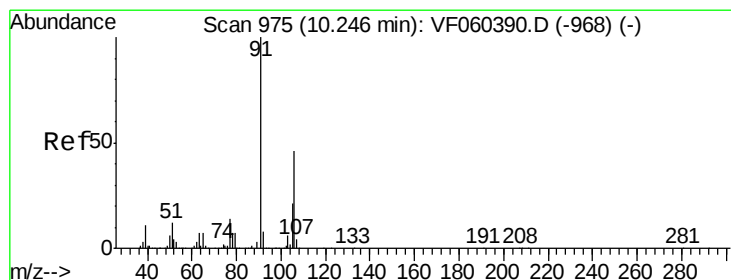
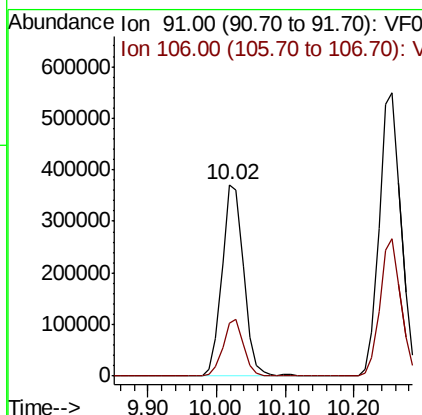
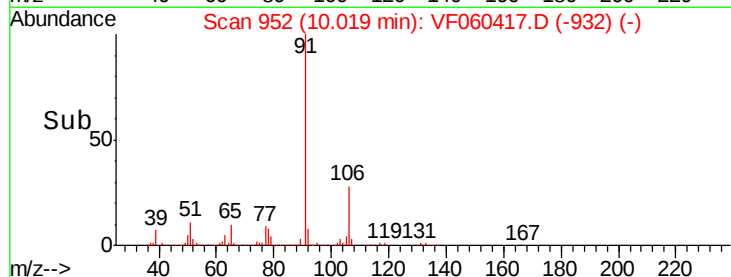
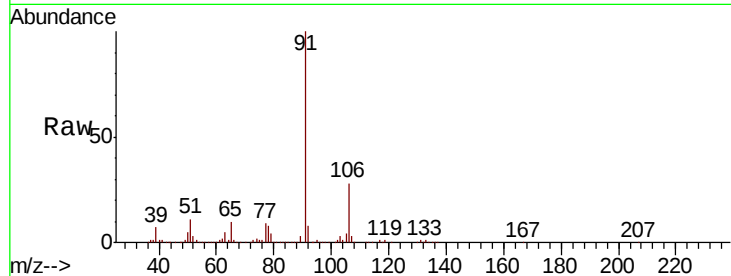
#67
Ethyl Benzene
Concen: 48.029 ug/l
RT: 10.02 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 814671
Ion Ratio Lower Upper
91 100
106 27.6 22.5 33.7

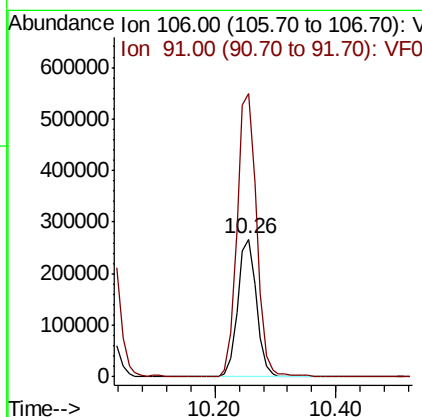
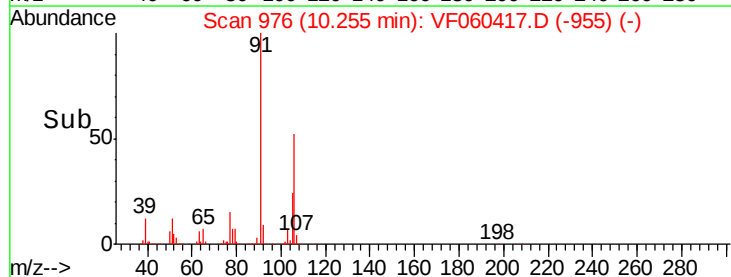
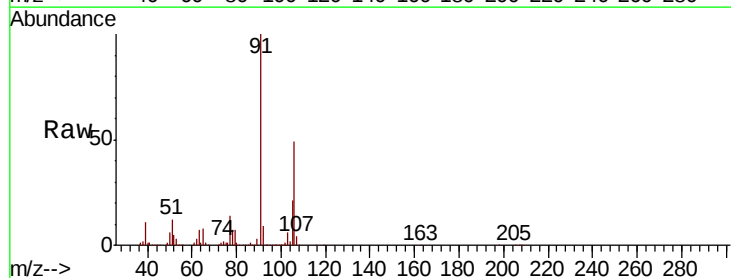
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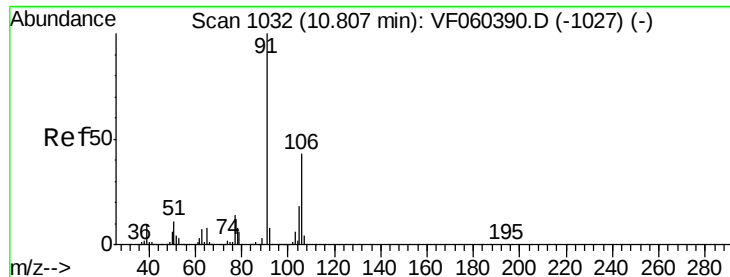
apatel
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#68
m/p-Xylenes
Concen: 98.698 ug/l
RT: 10.26 min Scan# 976
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Tgt Ion: 106 Resp: 575510
Ion Ratio Lower Upper
106 100
91 205.6 175.0 262.6





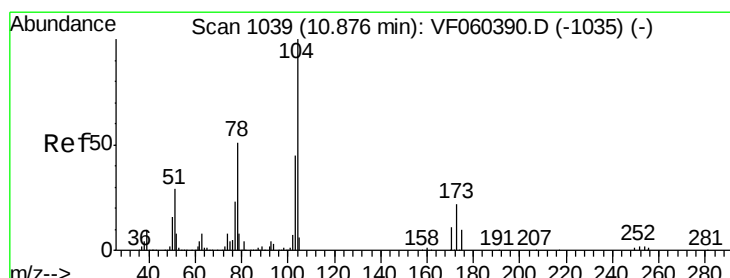
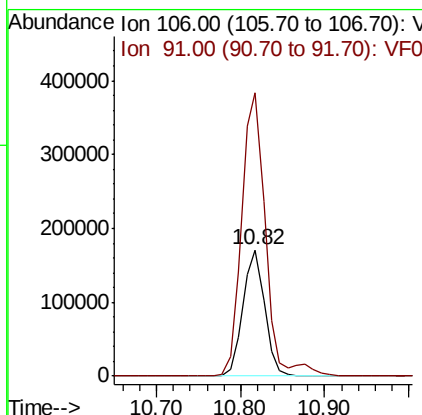
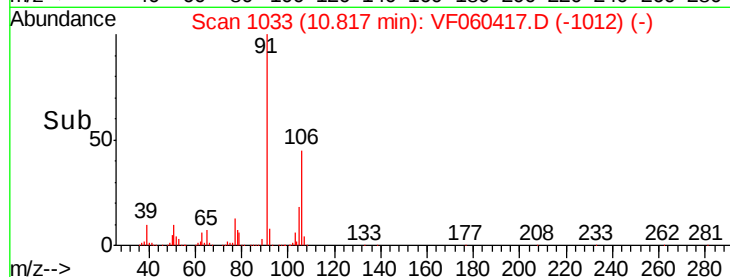
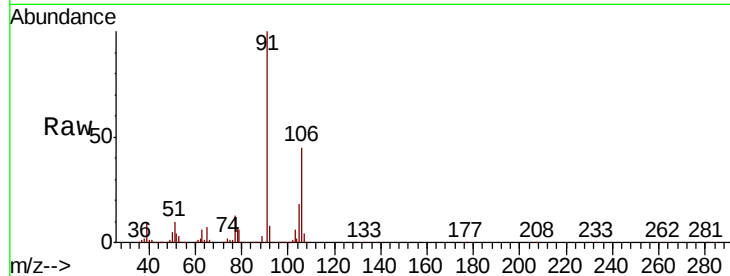
#69
o-Xylene
Concen: 48.814 ug/l
RT: 10.82 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 310256
Ion Ratio Lower Upper
106 100
91 224.2 115.1 345.2

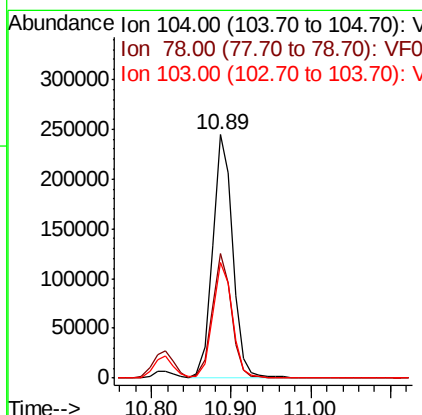
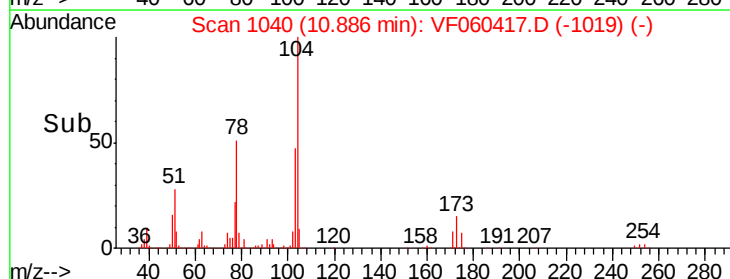
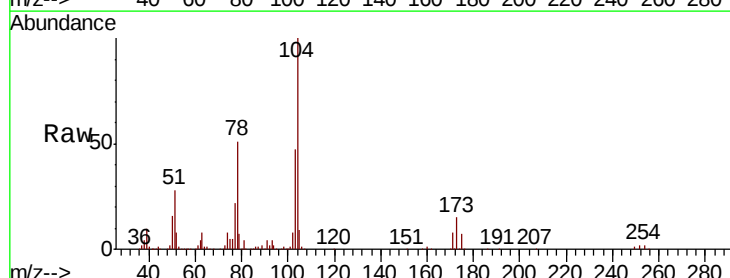
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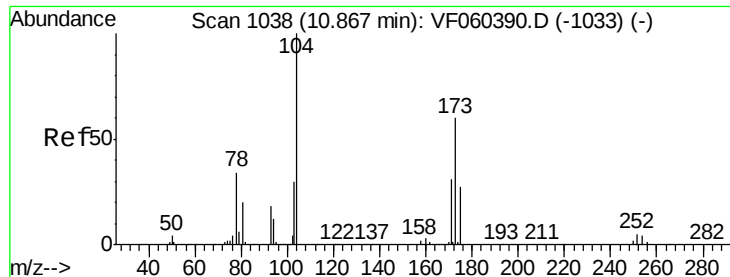
apatel
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#70
Styrene
Concen: 48.024 ug/l
RT: 10.89 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Tgt Ion:104 Resp: 434167
Ion Ratio Lower Upper
104 100
78 51.0 41.0 61.4
103 47.3 36.4 54.6





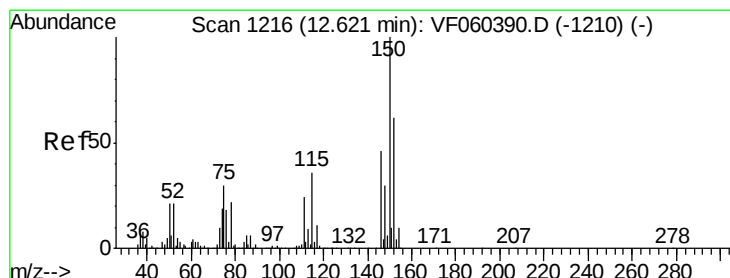
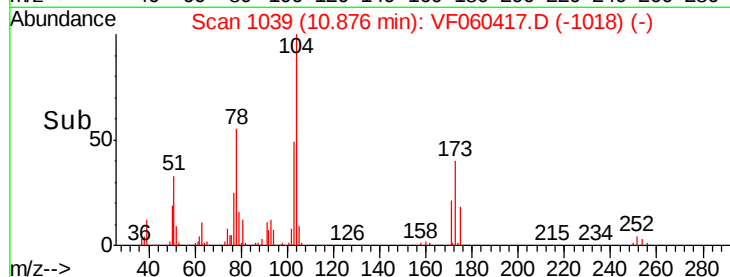
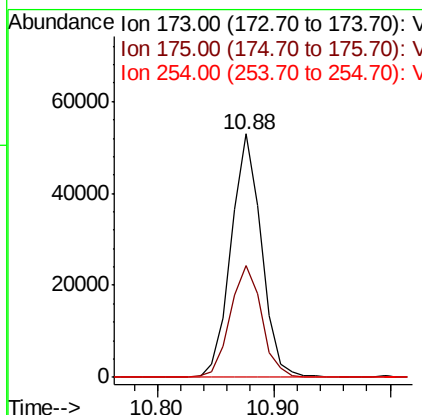
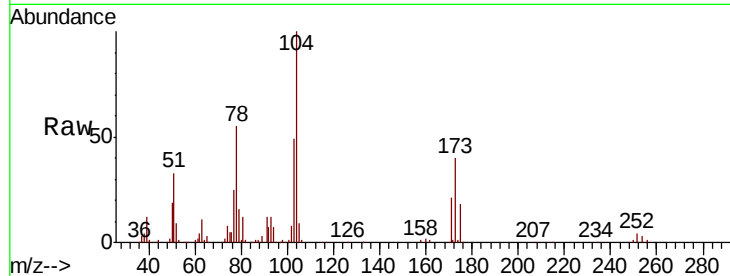
#71
Bromoform
Concen: 45.990 ug/l
RT: 10.88 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.1	22.1	66.1
254	0.0	0.0	0.0

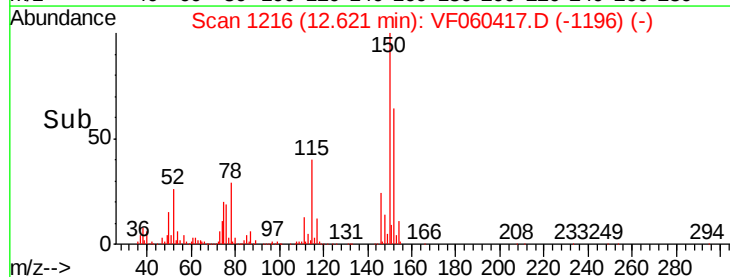
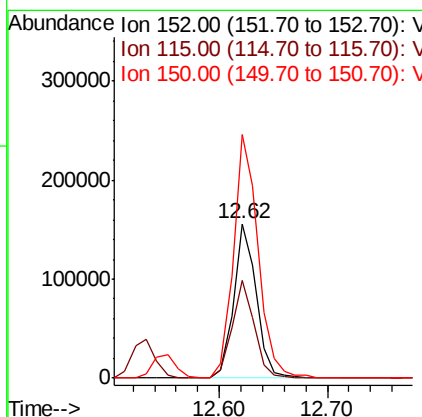
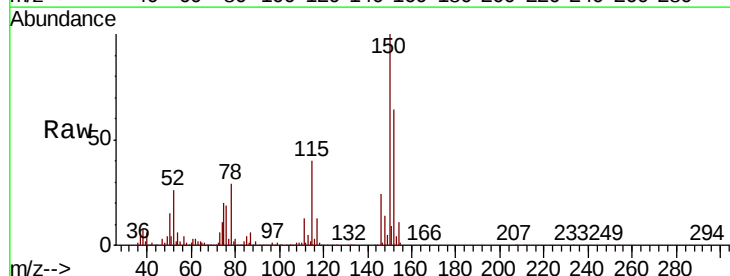
Manual Integrations
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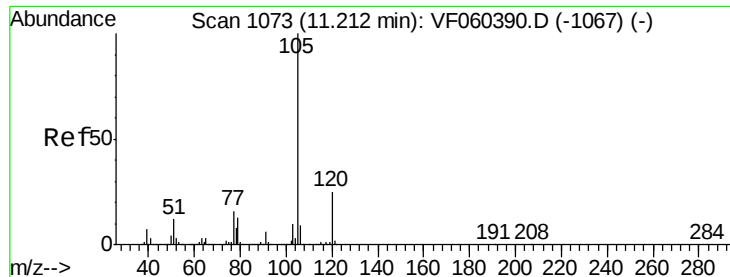
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1216
Delta R.T. -0.00 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.8	28.6	85.8
150	157.4	0.0	324.6





#73

Isopropylbenzene

Concen: 52.556 ug/l

RT: 11.21 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 941645

Ion Ratio Lower Upper

105 100

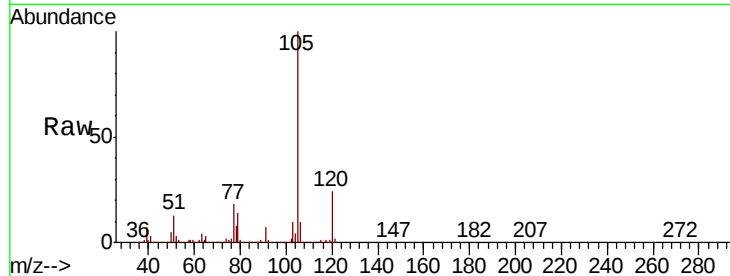
120 24.1 12.3 36.9

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

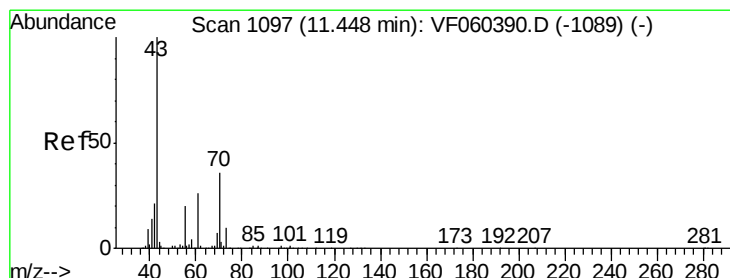
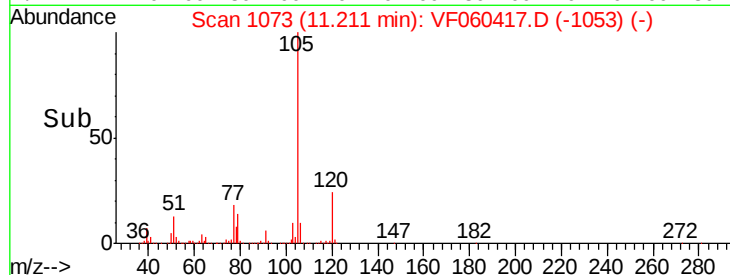
200000

100000

0

11.10 11.20 11.30 11.40

Time-->



#74

N-ethyl acetate

Concen: 46.849 ug/l

RT: 11.45 min Scan# 1097

Delta R.T. -0.00 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Tgt Ion: 43 Resp: 192648

Ion Ratio Lower Upper

43 100

70 34.0 29.1 43.7

55 19.4 16.3 24.5

61 25.0 21.0 31.4

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

150000

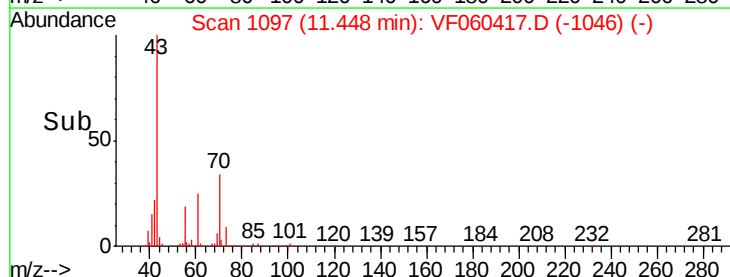
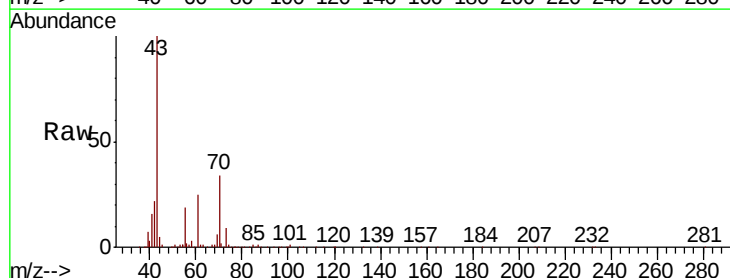
100000

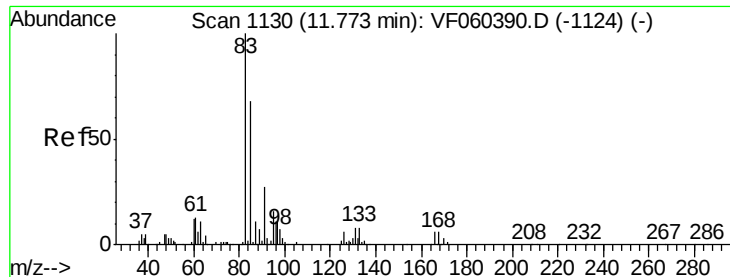
50000

0

11.30 11.40 11.50 11.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.305 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

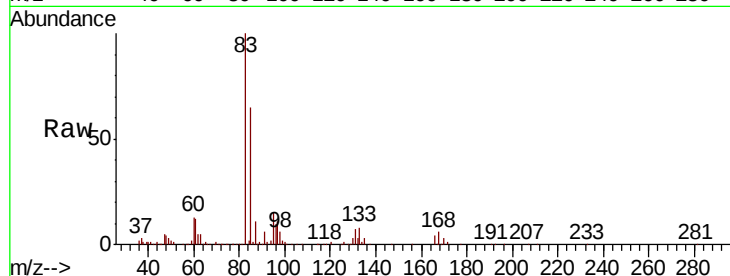
ClientSampleId :

VSTDCCC050

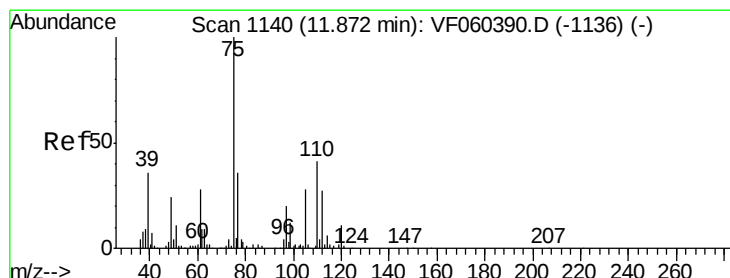
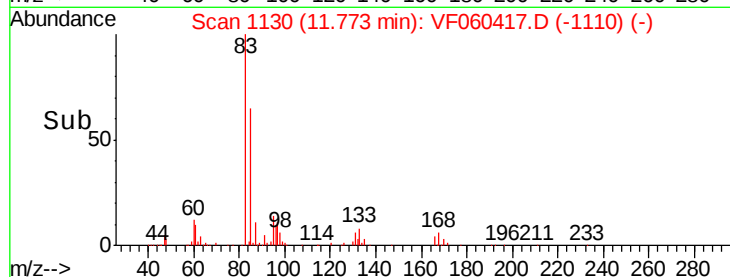
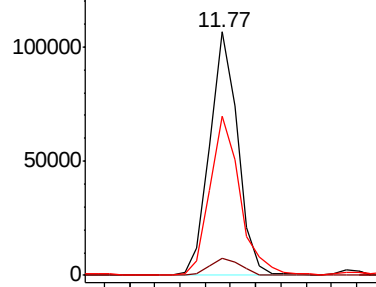
Tot Ion:	83	Resp:	164325
Ion Ratio	Lower	Upper	
83	100		
131	7.1	4.0	12.0
85	65.2	34.0	102.0

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



#76

1,2,3-Trichloropropane

Concen: 46.566 ug/l

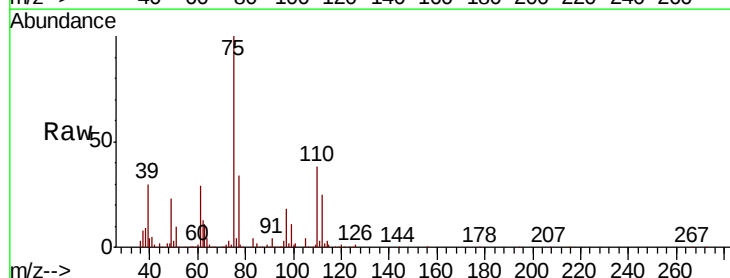
RT: 11.87 min Scan# 1140

Delta R.T. -0.00 min

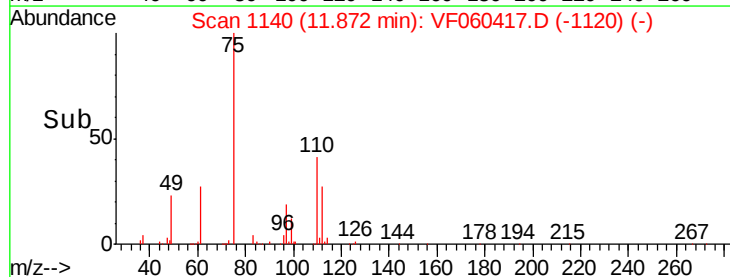
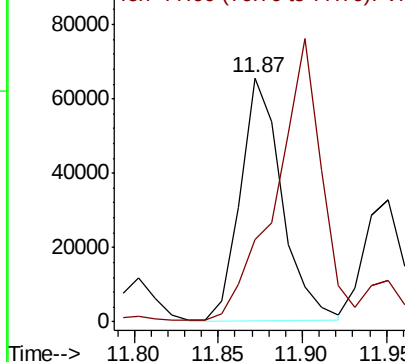
Lab File: VF060417.D

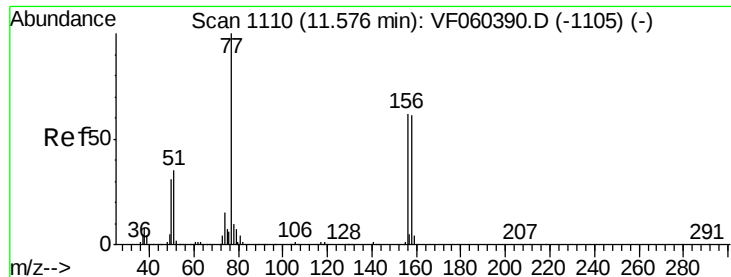
Acq: 3 Oct 2018 15:41

Tgt Ion:	75	Resp:	111984
Ion Ratio	Lower	Upper	
75	100		
77	34.0	18.1	54.4



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





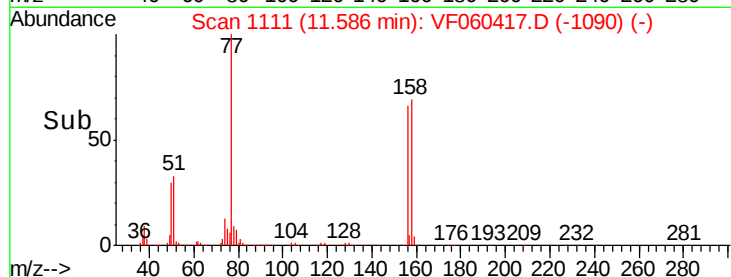
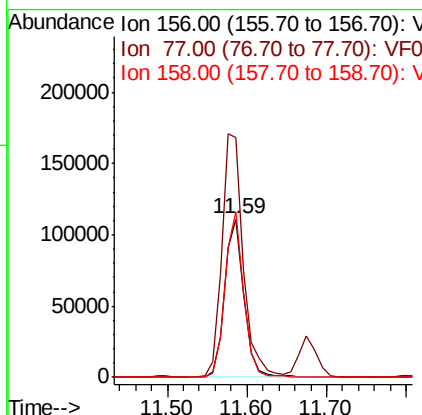
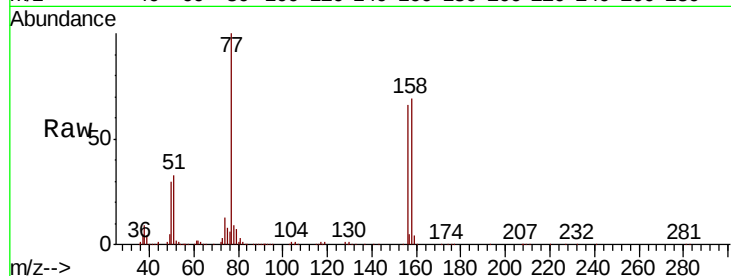
#77
Bromobenzene
Concen: 47.649 ug/l
RT: 11.59 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		190840		
77	151.4	81.3	243.9		
158	104.7	49.6	149.0		

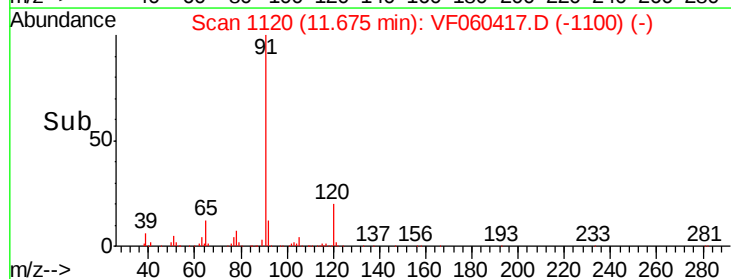
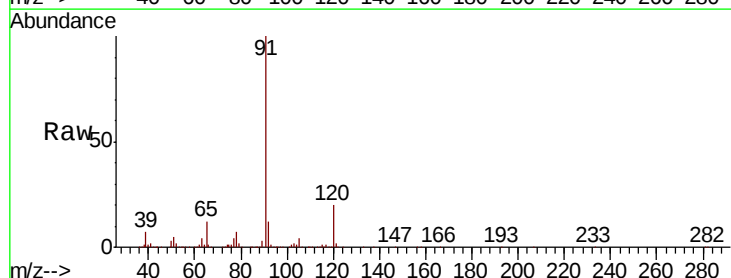
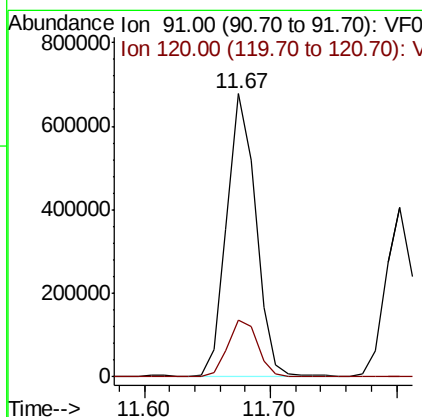
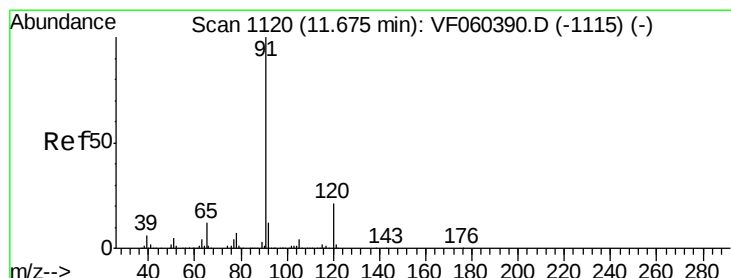
Manual Integrations
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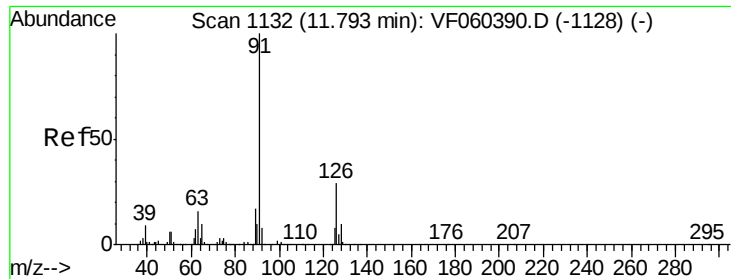
apatel
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#78
n-propylbenzene
Concen: 49.782 ug/l
RT: 11.67 min Scan# 1120
Delta R.T. -0.00 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1081301		
120	20.1	10.5	31.6		





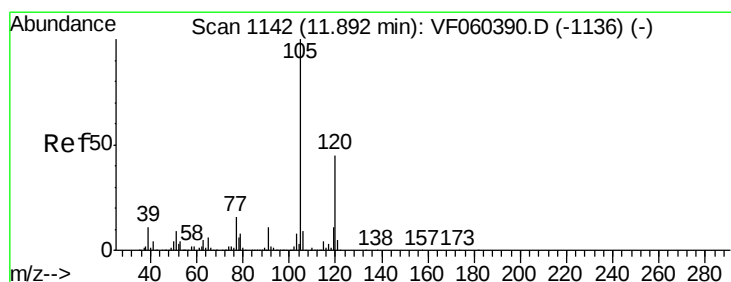
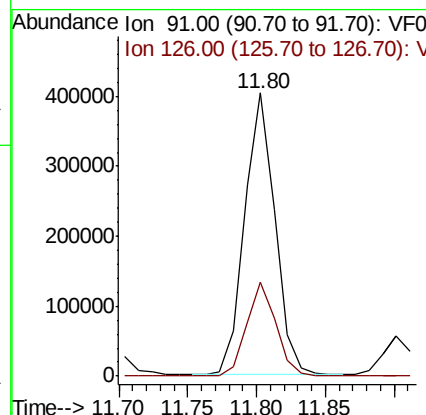
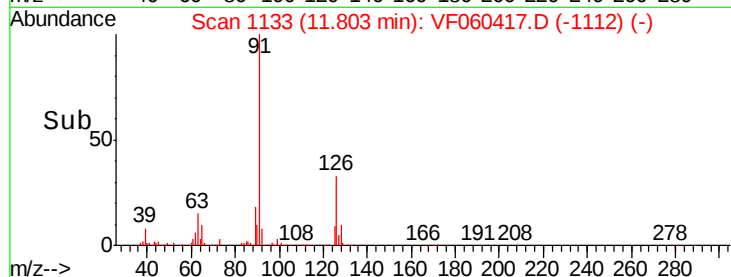
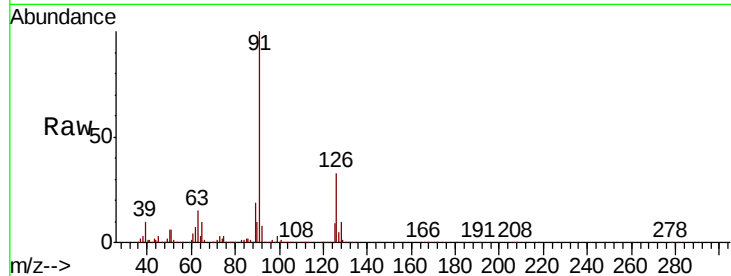
#79
 2-Chlorotoluene
 Concen: 48.923 ug/l
 RT: 11.80 min Scan# 1133
 Delta R.T. 0.01 min
 Lab File: VF060417.D
 Acq: 3 Oct 2018 15:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 621608
 Ion Ratio Lower Upper
 91 100
 126 33.0 14.4 43.4

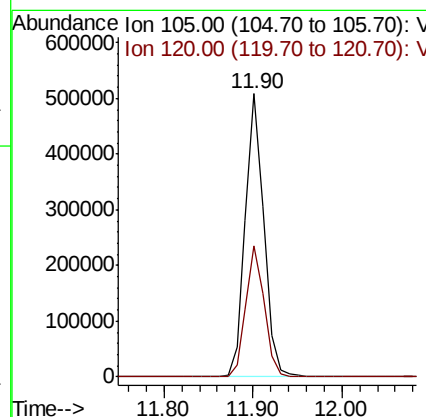
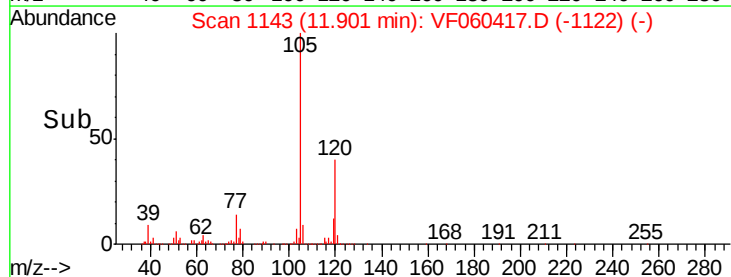
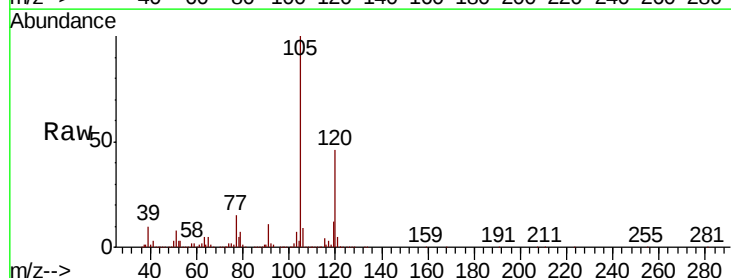
Manual Integrations
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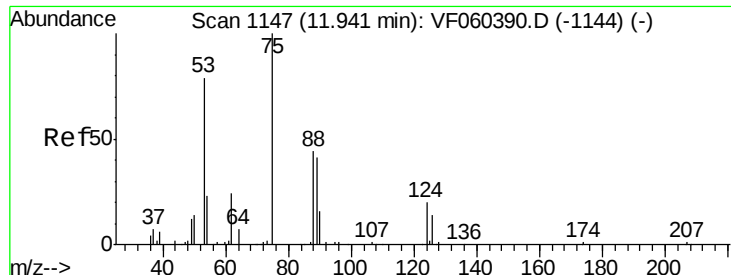
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 48.456 ug/l
 RT: 11.90 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: VF060417.D
 Acq: 3 Oct 2018 15:41

Tgt Ion: 105 Resp: 737618
 Ion Ratio Lower Upper
 105 100
 120 46.5 22.3 66.9





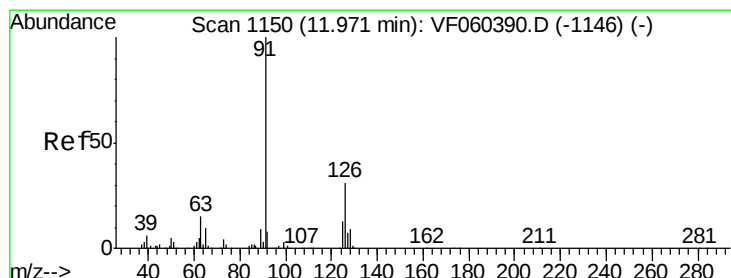
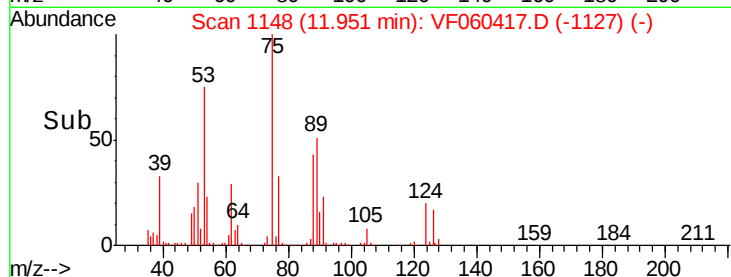
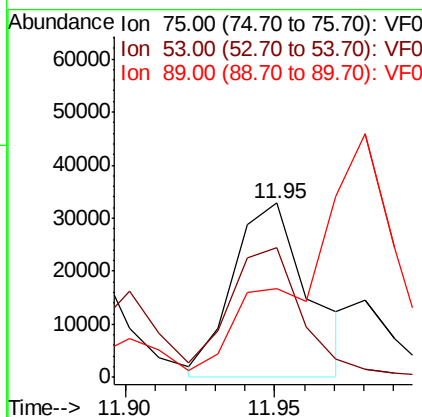
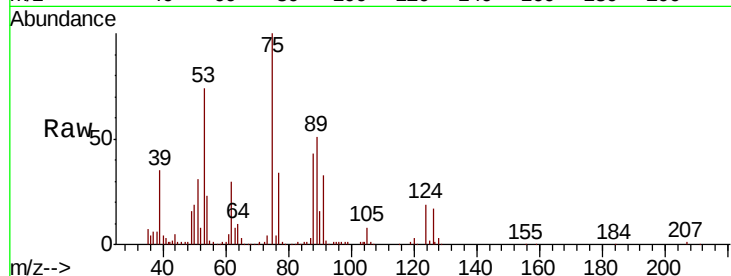
#81
trans-1,4-Dichloro-2-butene
Concen: 54.374 ug/l m
RT: 11.95 min Scan# 1148
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	74.3	67.8	101.8
89	51.0	36.7	55.1

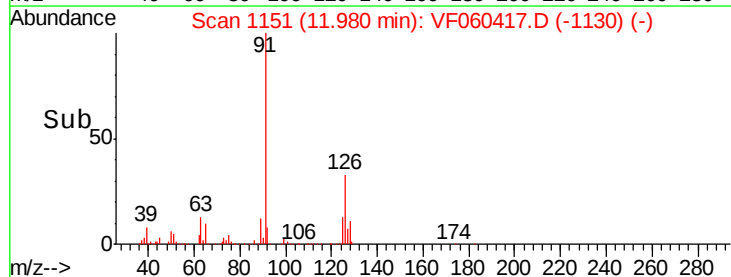
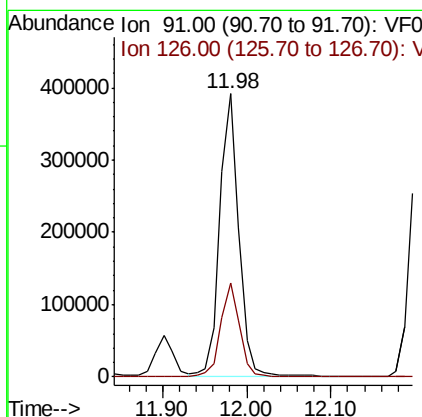
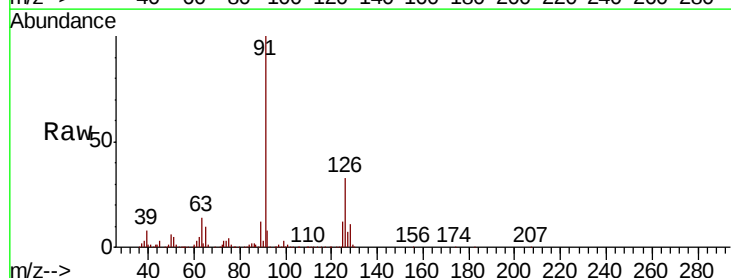
Manual Integrations
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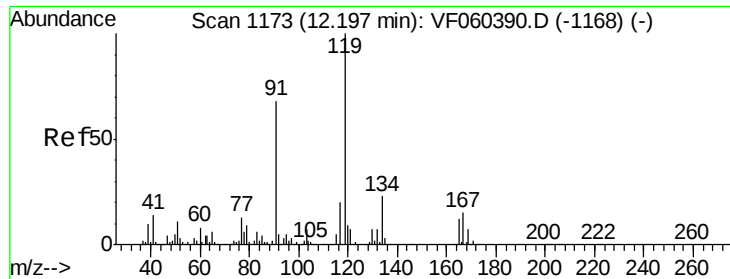
apatel
10/4/2018 2:02:24 PM



#82
4-Chlorotoluene
Concen: 47.092 ug/l
RT: 11.98 min Scan# 1151
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	15.7	47.0





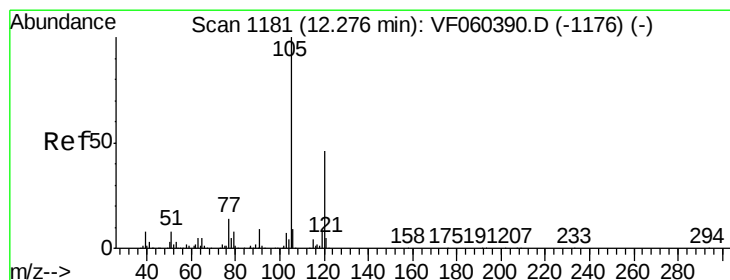
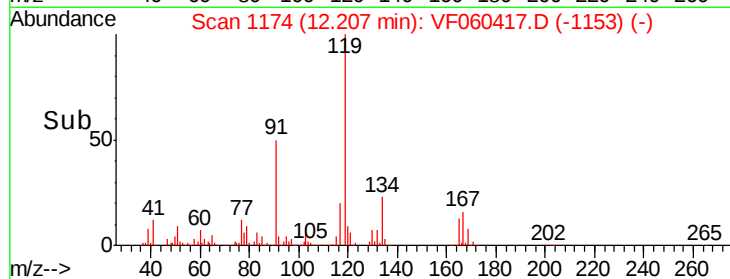
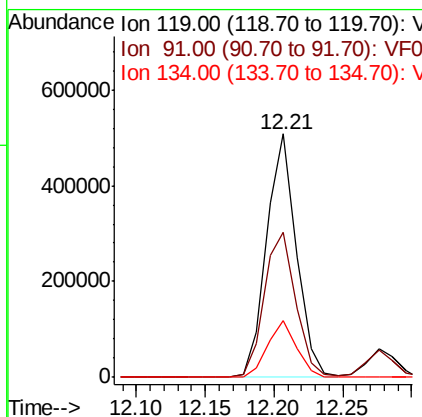
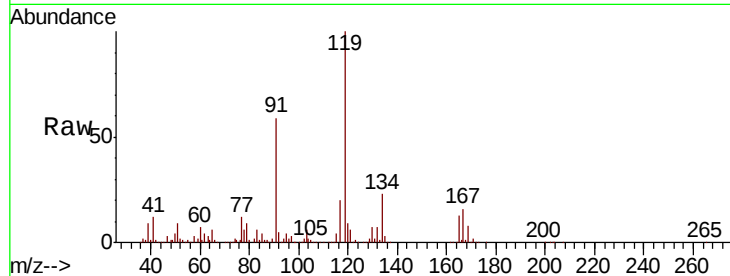
#83
tert-Butylbenzene
Concen: 51.052 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	766513		
91	59.4	34.0	102.0	
134	23.5	11.7	35.0	

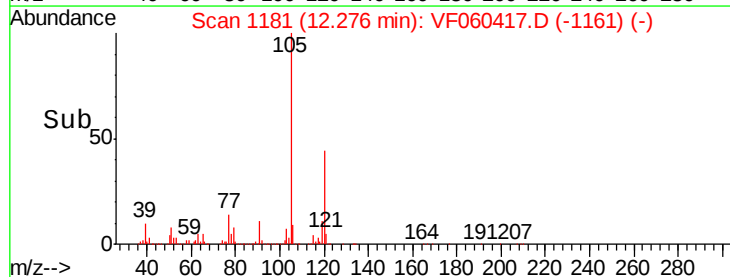
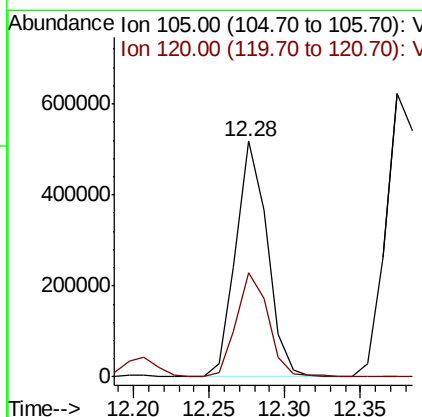
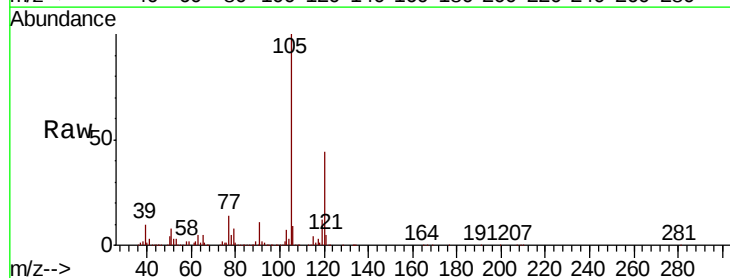
Manual Integrations
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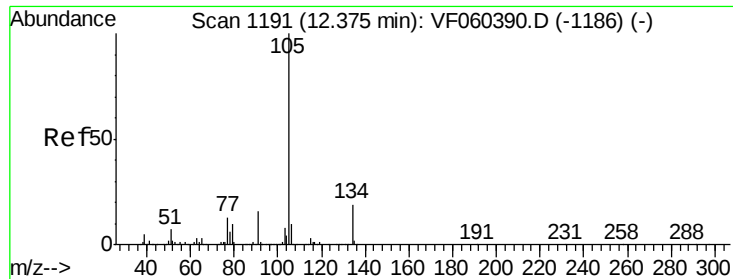
apatel
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#84
1,2,4-Trimethylbenzene
Concen: 49.915 ug/l
RT: 12.28 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	753548		
120	44.1	23.1	69.2	





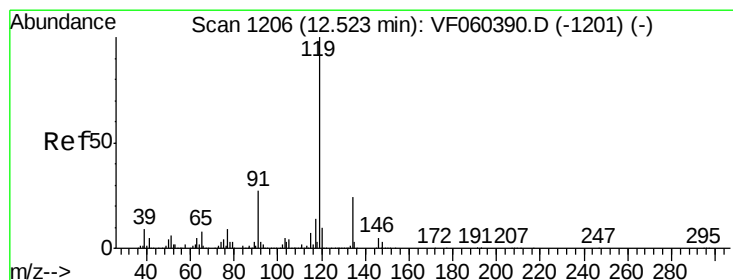
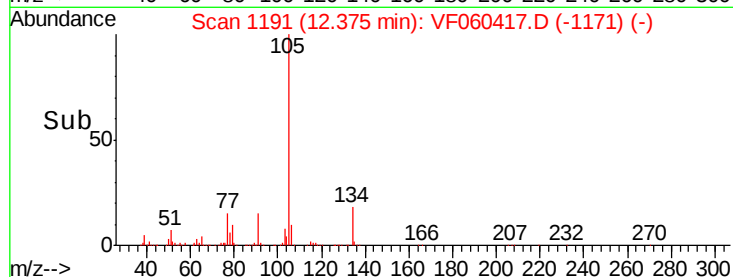
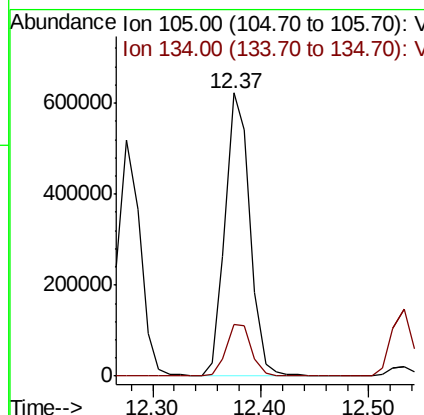
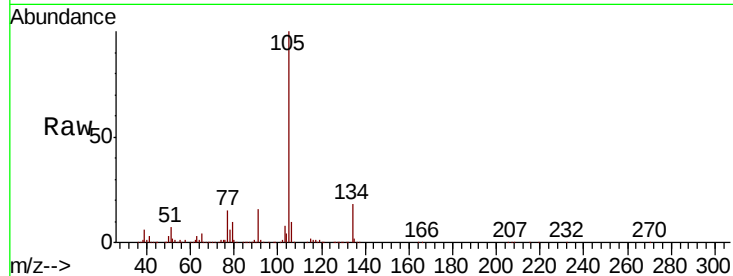
#85
 sec-Butylbenzene
 Concen: 47.920 ug/l
 RT: 12.37 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VF060417.D
 Acq: 3 Oct 2018 15:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.2	9.4	28.3

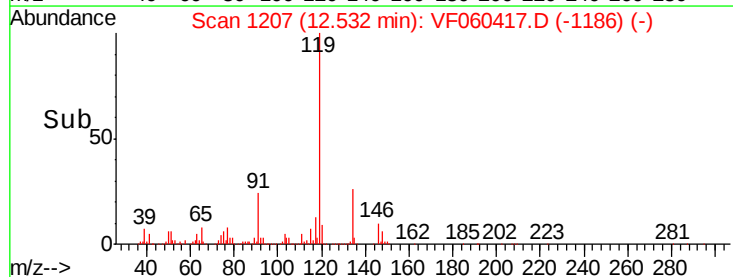
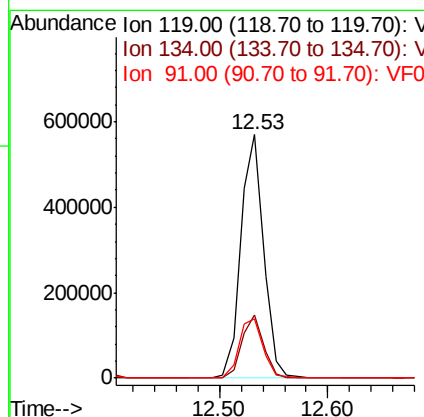
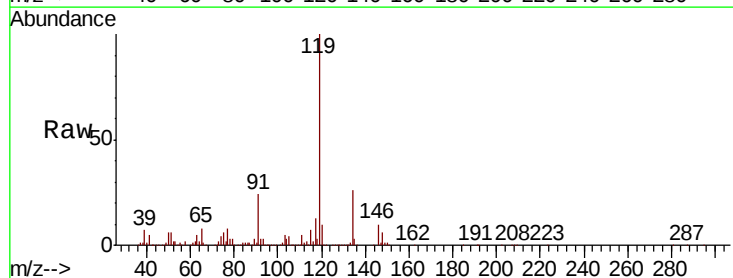
Manual Integrations
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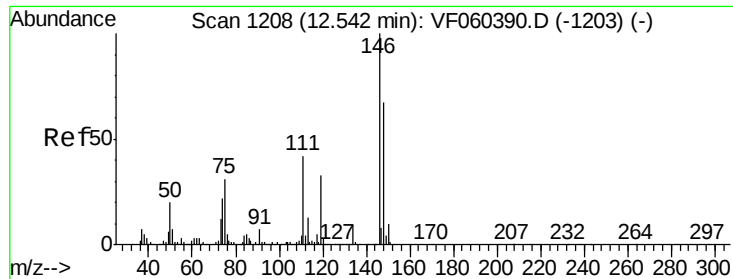
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#86
 p-Isopropyltoluene
 Concen: 49.209 ug/l
 RT: 12.53 min Scan# 1207
 Delta R.T. 0.01 min
 Lab File: VF060417.D
 Acq: 3 Oct 2018 15:41

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.3	36.8
91	24.4	13.5	40.4





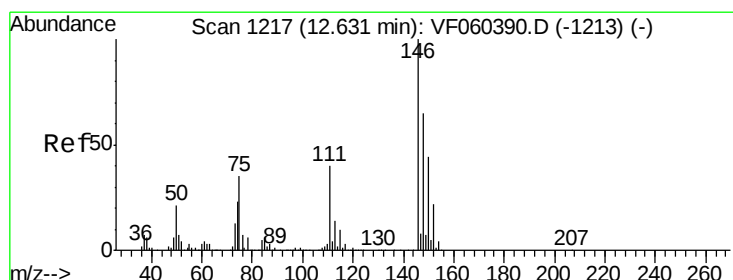
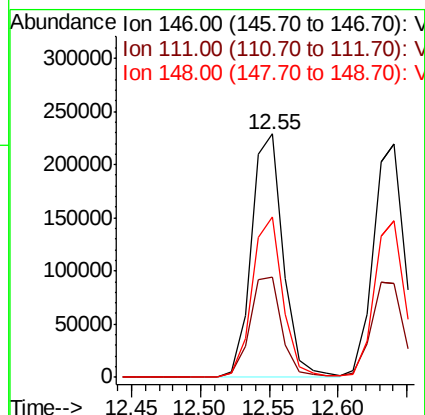
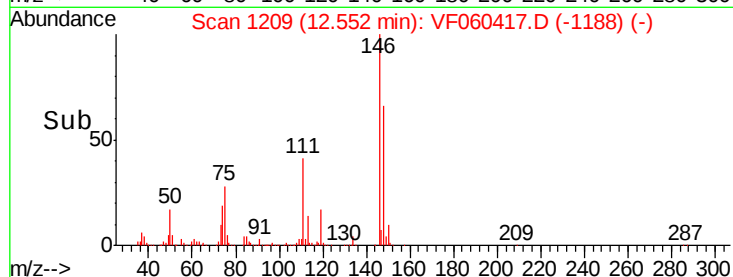
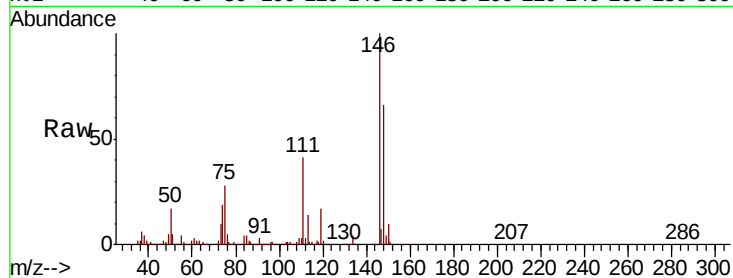
#87
 1,3-Dichlorobenzene
 Concen: 48.988 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. 0.01 min
 Lab File: VF060417.D
 Acq: 3 Oct 2018 15:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.9	62.7
148	66.1	33.6	100.8

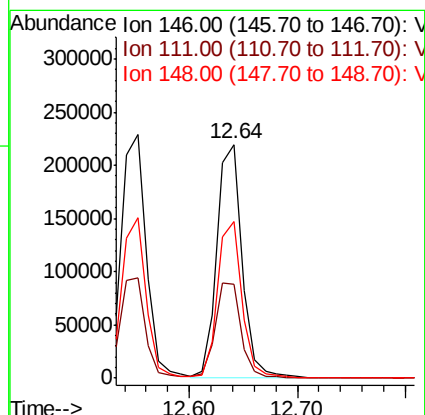
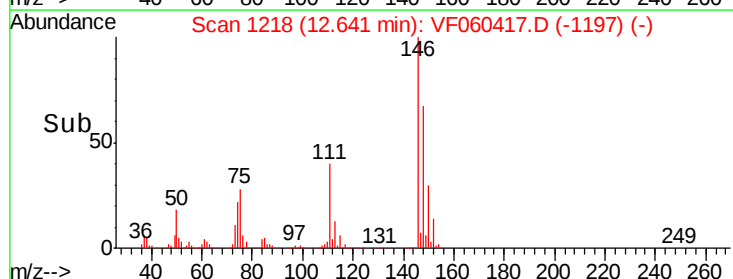
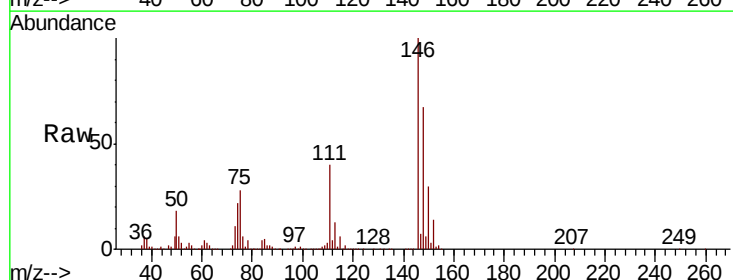
Manual Integrations
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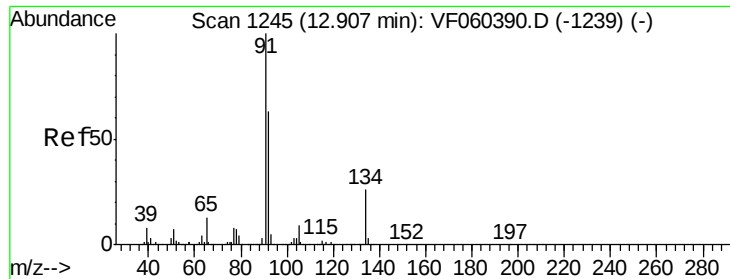
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#88
 1,4-Dichlorobenzene
 Concen: 47.695 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VF060417.D
 Acq: 3 Oct 2018 15:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.2	60.6
148	67.1	32.6	97.8





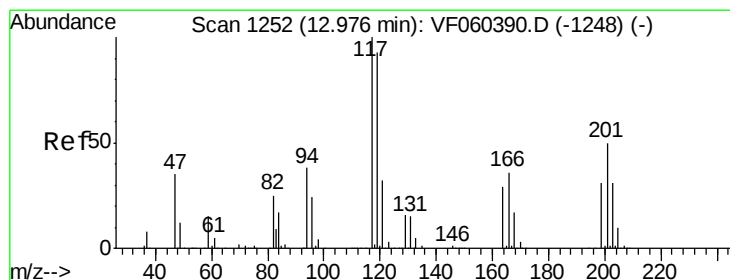
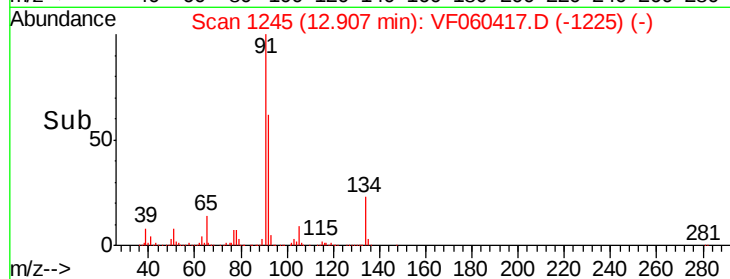
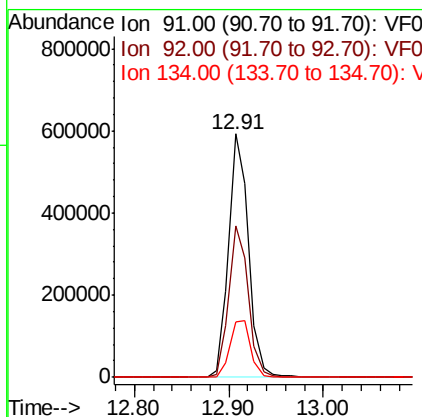
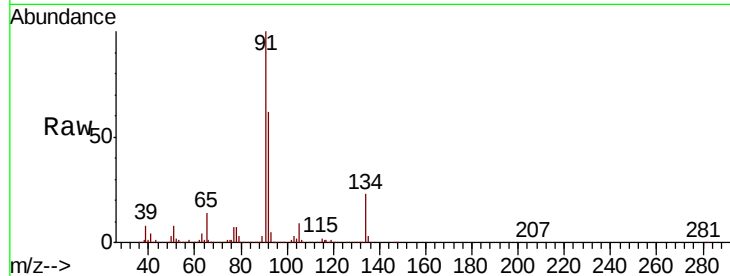
#89
n-Butylbenzene
Concen: 47.986 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:	91	Resp:	859737
Ion Ratio	Lower	Upper	
91	100		
92	62.3	31.3	93.9
134	22.8	13.0	38.9

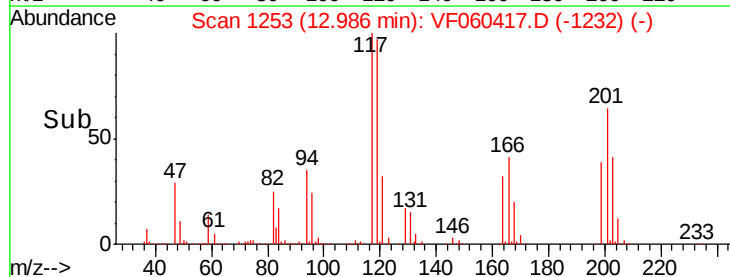
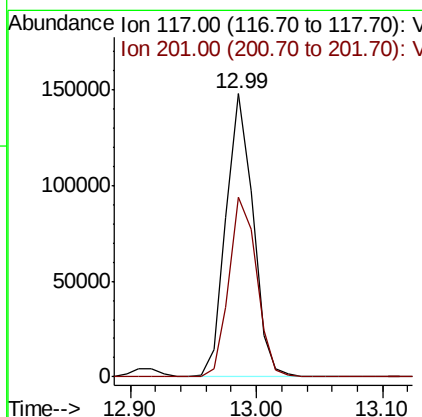
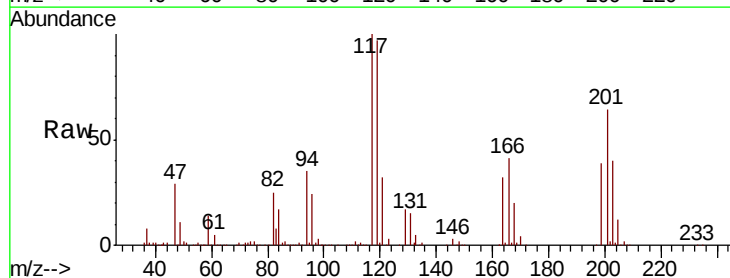
Manual Integrations
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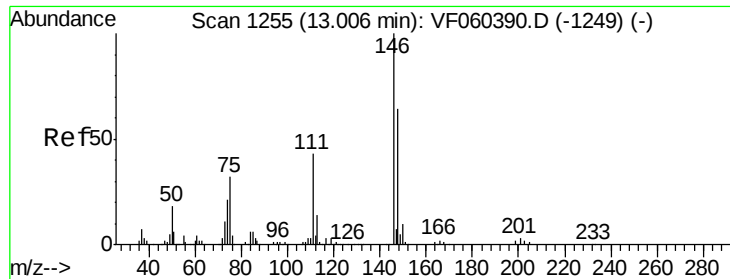
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#90
Hexachloroethane
Concen: 50.096 ug/l
RT: 12.99 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Tgt Ion:	117	Resp:	219222
Ion Ratio	Lower	Upper	
117	100		
201	63.6	25.5	76.5





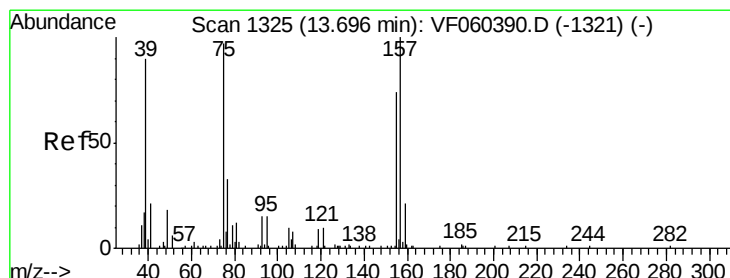
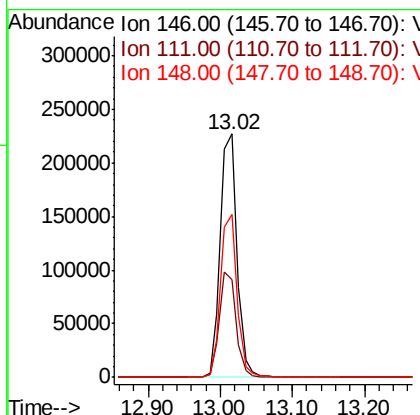
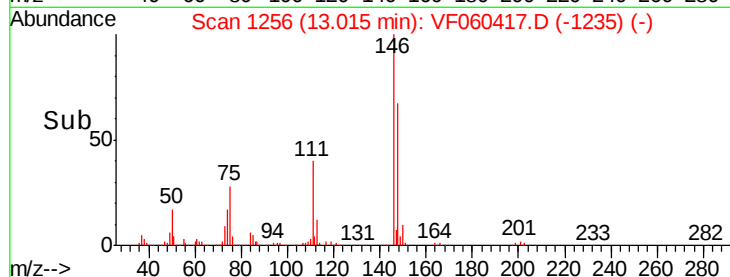
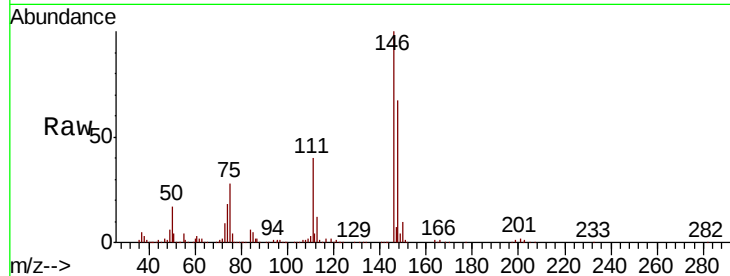
#91
 1,2-Dichlorobenzene
 Concen: 50.479 ug/l
 RT: 13.02 min Scan# 1256
 Delta R.T. 0.01 min
 Lab File: VF060417.D
 Acq: 3 Oct 2018 15:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	21.3	64.0
148	66.8	32.2	96.6

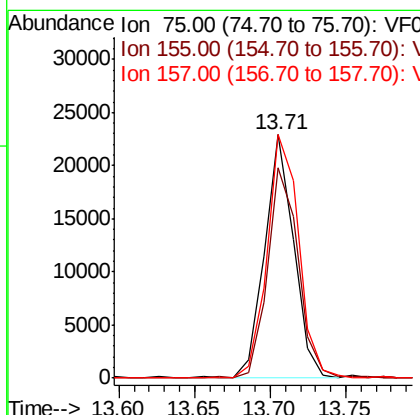
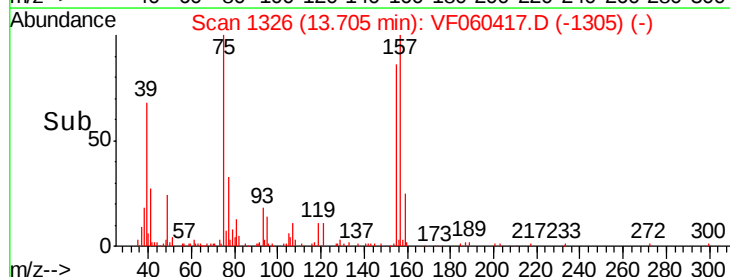
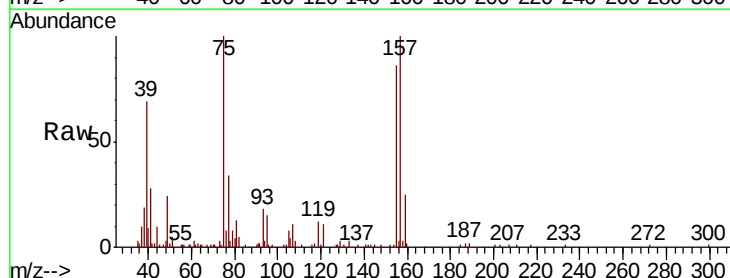
Manual Integrations
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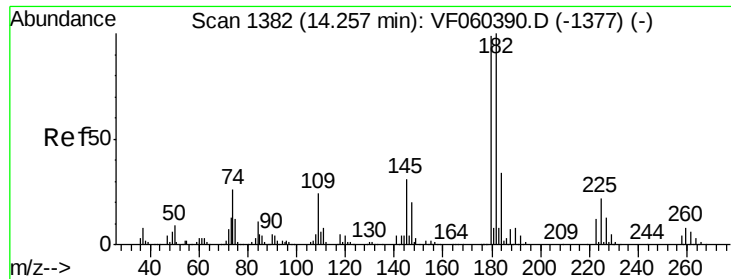
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.778 ug/l
 RT: 13.71 min Scan# 1326
 Delta R.T. 0.01 min
 Lab File: VF060417.D
 Acq: 3 Oct 2018 15:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.5	37.9	113.6
157	99.9	51.3	154.0





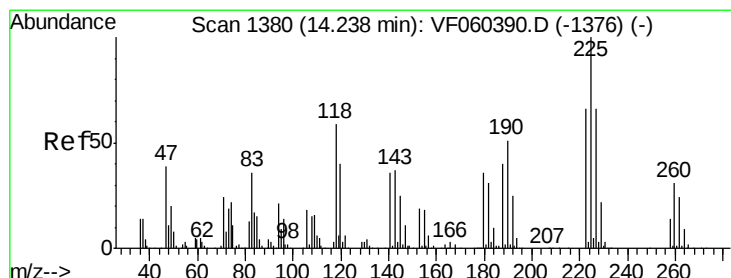
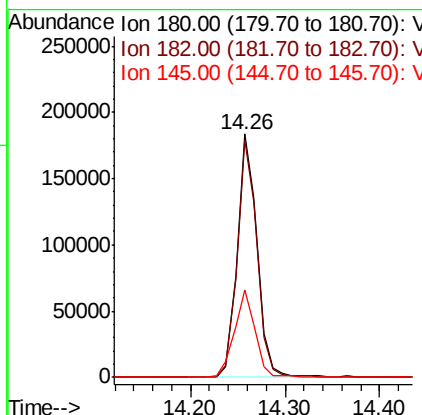
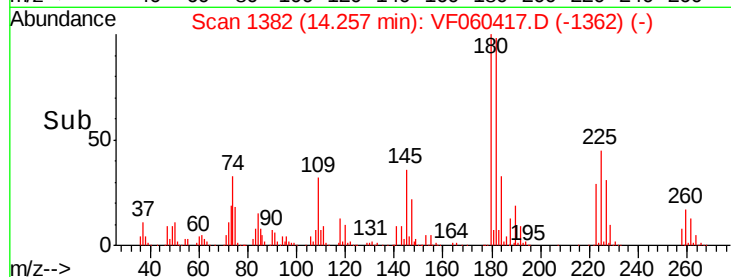
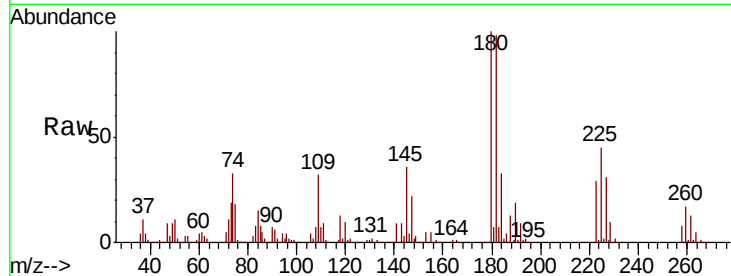
#93
 1,2,4-Trichlorobenzene
 Concen: 49.658 ug/l
 RT: 14.26 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VF060417.D
 Acq: 3 Oct 2018 15:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	268021		
182	97.7	50.3	150.9	
145	36.0	15.5	46.5	

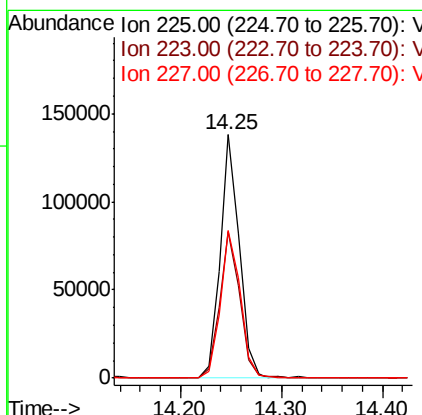
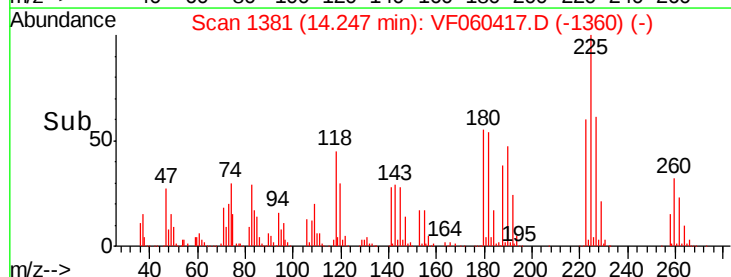
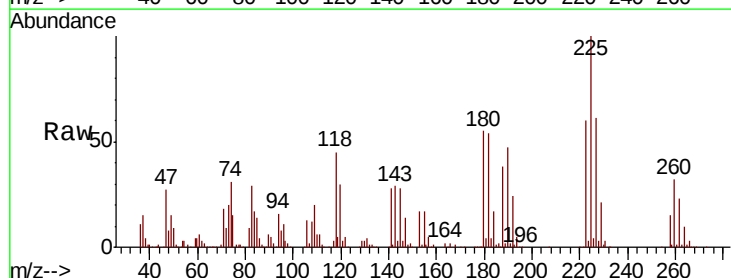
Manual Integrations
 APPROVED

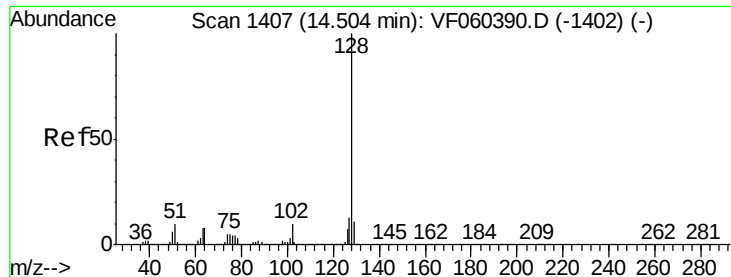
apatel
 10/4/2018 2:02:24 PM



#94
 Hexachlorobutadiene
 Concen: 48.639 ug/l
 RT: 14.25 min Scan# 1381
 Delta R.T. 0.01 min
 Lab File: VF060417.D
 Acq: 3 Oct 2018 15:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	183226		
223	60.2	32.8	98.4	
227	60.6	33.0	99.0	





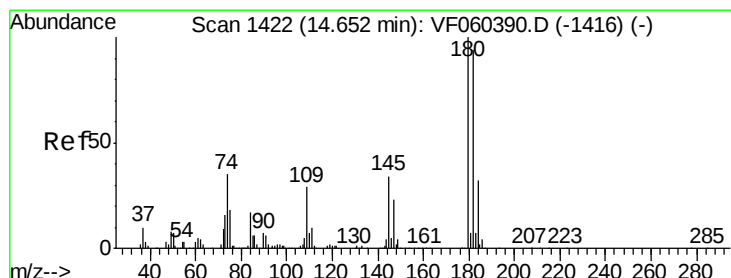
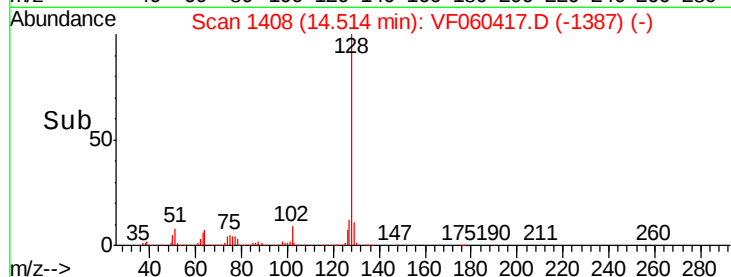
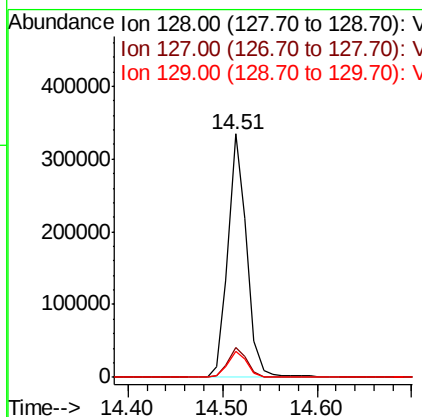
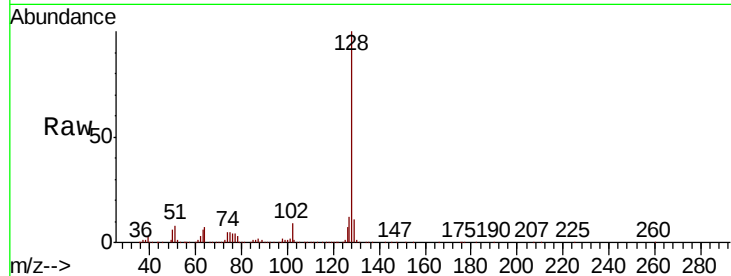
#95
Naphthalene
Concen: 47.588 ug/l
RT: 14.51 min Scan# 1408
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.0	15.0
129	10.7	8.7	13.1

Manual Integrations
APPROVED

apatel
10/4/2018 2:02:24 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.439 ug/l
RT: 14.66 min Scan# 1423
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	46.8	140.3
145	33.0	16.9	50.6

