

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082718\
 Data File : VF060120.D
 Acq On : 27 Aug 2018 11:56
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 8/28/2018 2:04:14 PM

Quant Time: Aug 27 14:36:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	179553	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.75	114	264899	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	279075	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	173332	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	129604	52.74	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.48%	
35) Dibromofluoromethane	4.29	113	114096	54.85	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	109.70%	
50) Toluene-d8	7.71	98	283132	47.93	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	95.86%	
62) 4-Bromofluorobenzene	11.51	95	167272	53.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.04%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	0.95	85	119517	50.56	ug/l	100
3) Chloromethane	1.07	50	75668	49.26	ug/l	98
4) Vinyl Chloride	1.12	62	64336	43.83	ug/l	94
5) Bromomethane	1.32	94	47479	42.57	ug/l	99
6) Chloroethane	1.39	64	30129	52.08	ug/l	93
7) Trichlorofluoromethane	1.49	101	187521	63.54	ug/l	93
8) Diethyl Ether	1.70	74	23910	45.31	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.86	101	81610	52.68	ug/l	95
10) Methyl Iodide	1.93	142	82456m	40.26	ug/l	
11) Tert butyl alcohol	2.67	59	31289	239.34	ug/l #	89
12) 1,1-Dichloroethene	1.83	96	56000	49.06	ug/l	98
13) Acrolein	2.08	56	19224	241.67	ug/l	84
14) Allyl chloride	2.19	41	100188	49.42	ug/l	90
15) Acrylonitrile	3.06	53	73556	285.11	ug/l	97
16) Acetone	2.33	43	182099	281.95	ug/l	93
17) Carbon Disulfide	1.84	76	147334	41.23	ug/l	100
18) Methyl Acetate	2.44	43	49240	44.15	ug/l	99
19) Methyl tert-butyl Ether	2.53	73	184457	50.44	ug/l	100
20) Methylene Chloride	2.27	84	59546	46.45	ug/l	94
21) trans-1,2-Dichloroethene	2.41	96	54005	42.29	ug/l	98
22) Diisopropyl ether	2.92	45	193370	42.60	ug/l	99
23) Vinyl Acetate	3.32	43	634145	263.71	ug/l	100
24) 1,1-Dichloroethane	2.99	63	145453	51.87	ug/l	97
25) 2-Butanone	4.49	43	210520	250.94	ug/l	95
26) 2,2-Dichloropropane	3.75	77	174860	60.27	ug/l	93
27) cis-1,2-Dichloroethene	3.63	96	88405	48.85	ug/l	99
28) Bromochloromethane	3.89	49	48807m	41.23	ug/l	
29) Tetrahydrofuran	4.24	42	73823	233.07	ug/l	99
30) Chloroform	4.03	83	209850	53.31	ug/l	99
31) Cyclohexane	3.85	56	93480	43.75	ug/l	89
32) 1,1,1-Trichloroethane	4.27	97	191820	56.91	ug/l	98
36) 1,1-Dichloropropene	4.45	75	124368	49.96	ug/l	98
37) Ethyl Acetate	4.28	43	71051	47.72	ug/l #	73
38) Carbon Tetrachloride	4.17	117	170107	59.01	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.62	83	111365	47.71	ug/l #	80
40) Benzene	4.80	78	248926	45.78	ug/l	98
41) Methacrylonitrile	4.91	41	37892	50.32	ug/l	93
42) 1,2-Dichloroethane	5.11	62	159754	54.79	ug/l	99
43) Isopropyl Acetate	7.10	43	92914	49.59	ug/l #	96
44) Trichloroethene	5.67	130	91637	50.97	ug/l	98
45) 1,2-Dichloropropane	6.40	63	76598	49.80	ug/l	93
46) Dibromomethane	6.25	93	64585	53.66	ug/l	96
47) Bromodichloromethane	6.54	83	163270	56.16	ug/l	100
48) Methyl methacrylate	6.87	41	58296	47.02	ug/l	92
49) 1,4-Dioxane	6.85	88	13863	1164.65	ug/l #	83
51) 4-Methyl-2-Pentanone	8.40	43	406106	250.97	ug/l	98
52) Toluene	7.78	92	199027	57.65	ug/l	98
53) t-1,3-Dichloropropene	8.43	75	143380	54.39	ug/l	93
54) cis-1,3-Dichloropropene	7.45	75	156982	53.35	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	77139	52.57	ug/l	98
56) Ethyl methacrylate	8.75	69	94311	53.10	ug/l	97
57) 1,3-Dichloropropane	9.00	76	133257	51.67	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.78	63	37866	268.60	ug/l	100
59) 2-Hexanone	9.62	43	345454	263.78	ug/l	96
60) Dibromochloromethane	8.86	129	119114	54.99	ug/l	98
61) 1,2-Dibromoethane	9.13	107	89195	51.76	ug/l	94
64) Tetrachloroethene	8.30	164	88939	47.31	ug/l	97
65) Chlorobenzene	9.93	112	267803	50.82	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	107275	53.67	ug/l	95
67) Ethyl Benzene	10.03	91	477097	52.47	ug/l	98
68) m/p-Xylenes	10.27	106	334586	114.13	ug/l	98
69) o-Xylene	10.82	106	190588	53.50	ug/l	95
70) Styrene	10.90	104	287781	52.65	ug/l	97
71) Bromoform	10.89	173	76825	55.09	ug/l	94
73) Isopropylbenzene	11.23	105	535856	51.36	ug/l	99
74) N-amyl acetate	11.46	43	164096	50.60	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.79	83	113901	49.99	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	87026	49.25	ug/l	99
77) Bromobenzene	11.59	156	143185	50.46	ug/l	91
78) n-propylbenzene	11.69	91	652619	50.68	ug/l	98
79) 2-Chlorotoluene	11.81	91	383259	50.61	ug/l	98
80) 1,3,5-Trimethylbenzene	11.92	105	461194	50.74	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	42627m	52.72	ug/l	
82) 4-Chlorotoluene	11.98	91	433640	52.75	ug/l	95
83) tert-Butylbenzene	12.21	119	474503	53.52	ug/l	92
84) 1,2,4-Trimethylbenzene	12.29	105	482028	49.88	ug/l	98
85) sec-Butylbenzene	12.39	105	638408	51.72	ug/l	96
86) p-Isopropyltoluene	12.54	119	538343	52.57	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	265758	50.66	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	266508	51.11	ug/l	96
89) n-Butylbenzene	12.92	91	550121	55.30	ug/l	99
90) Hexachloroethane	12.99	117	123973	53.88	ug/l	77
91) 1,2-Dichlorobenzene	13.02	146	259305	51.39	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	26058	55.96	ug/l	78

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Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	195578	52.64	ug/l	98
94) Hexachlorobutadiene	14.25	225	129242	55.89	ug/l	95
95) Naphthalene	14.52	128	294661	45.90	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	187948	53.02	ug/l	95

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

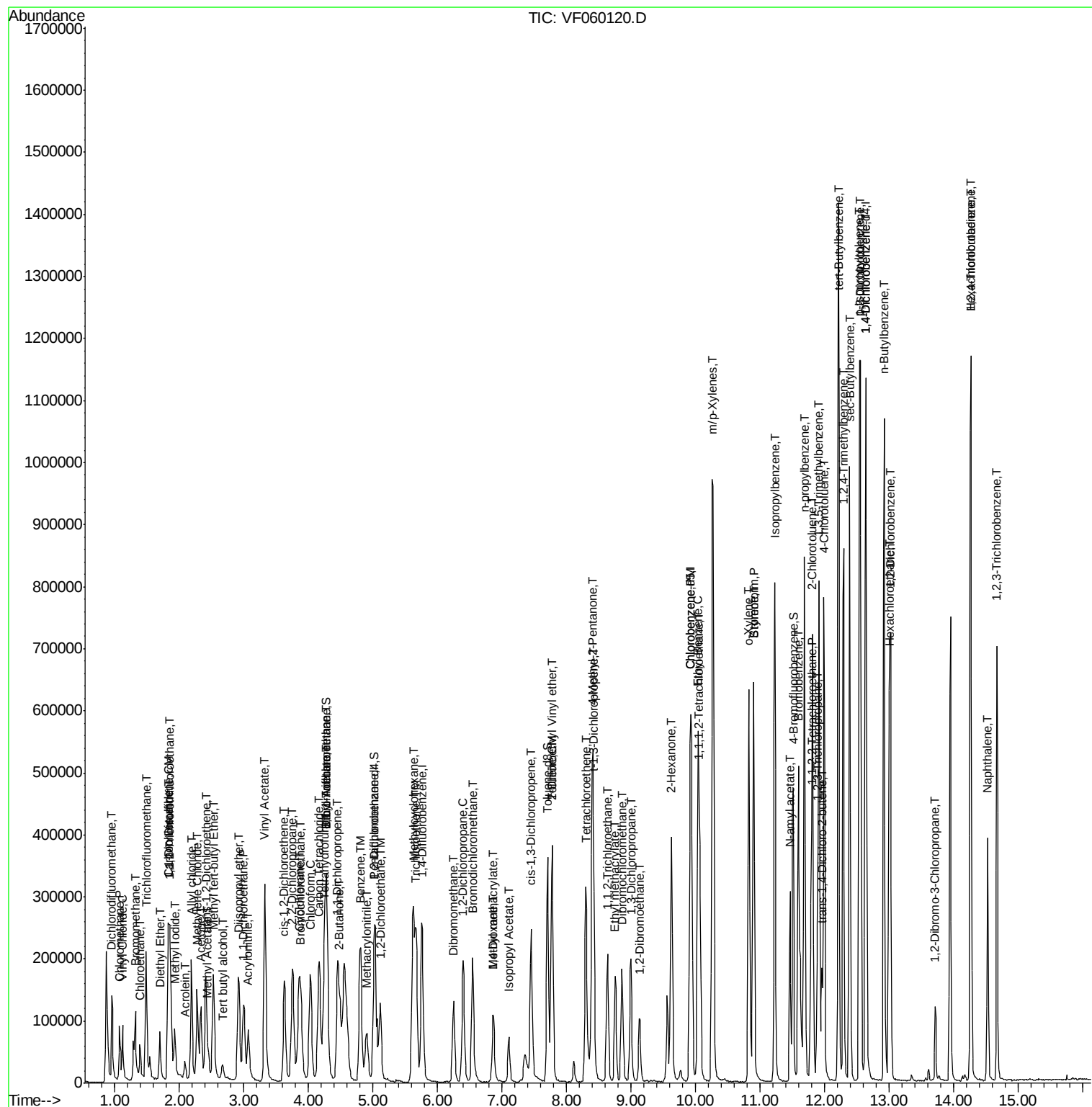
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082718\
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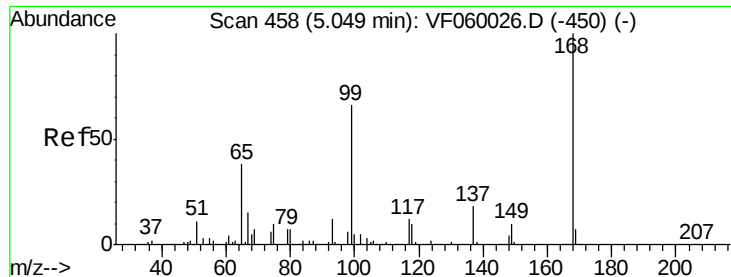
Instrument :
 MSVOA_F
 Client Sample Id :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 179553

Ion Ratio Lower Upper

168 100

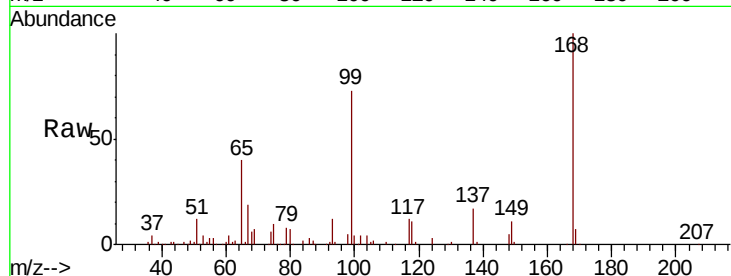
99 73.1 52.6 79.0

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

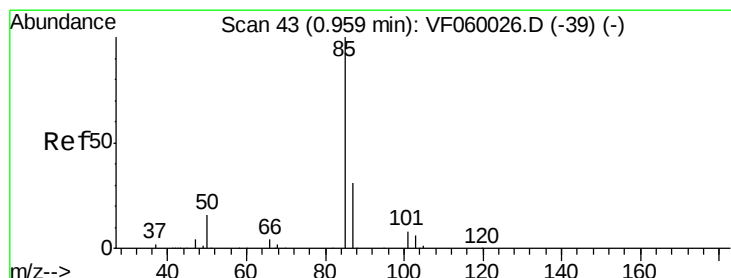
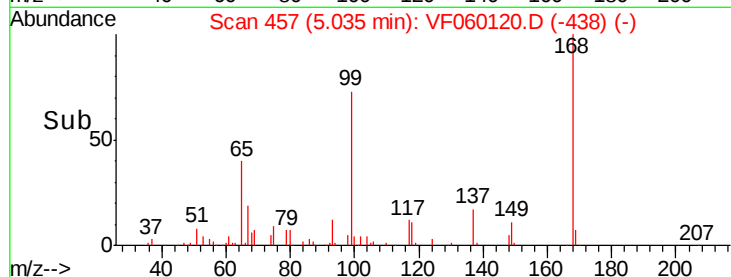
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.56 ug/l

RT: 0.95 min Scan# 43

Delta R.T. -0.00 min

Lab File: VF060120.D

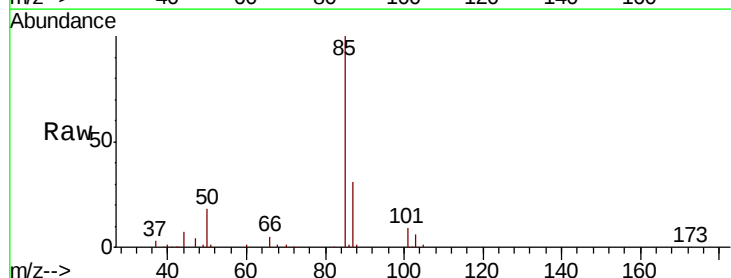
Acq: 27 Aug 2018 11:56

Tgt Ion: 85 Resp: 119517

Ion Ratio Lower Upper

85 100

87 30.7 15.3 45.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

80000

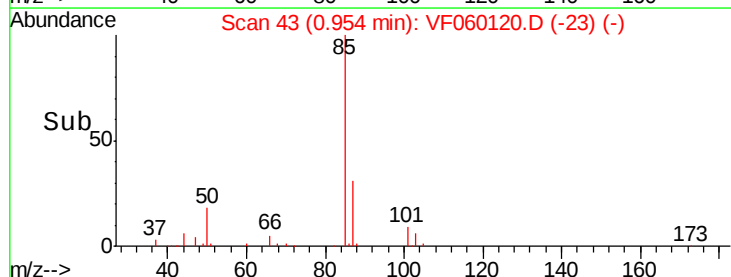
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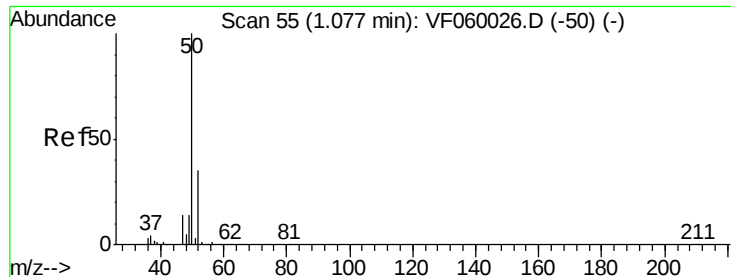
40000

20000

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Time-->





#3

Chloromethane

Concen: 49.26 ug/l

RT: 1.07 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 75668

Ion Ratio Lower Upper

50 100

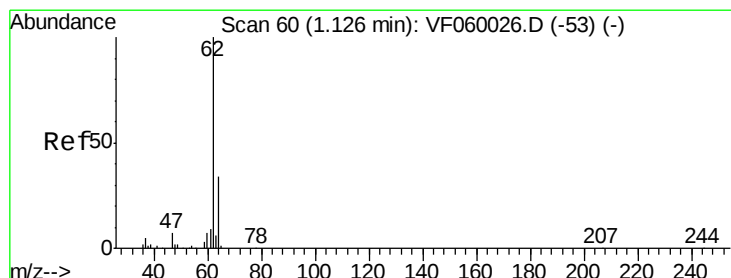
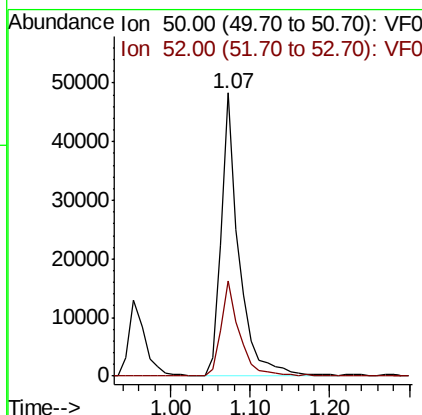
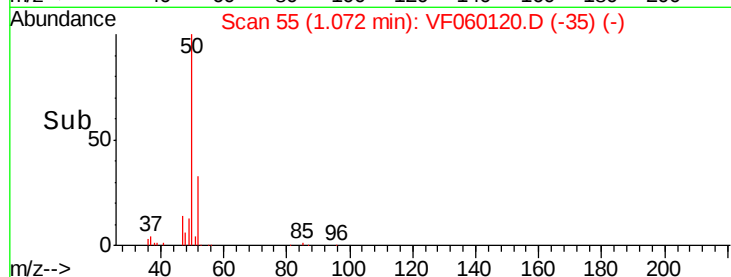
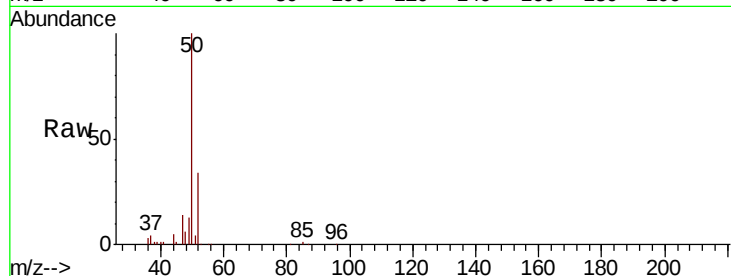
52 33.6 27.6 41.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 43.83 ug/l

RT: 1.12 min Scan# 60

Delta R.T. -0.00 min

Lab File: VF060120.D

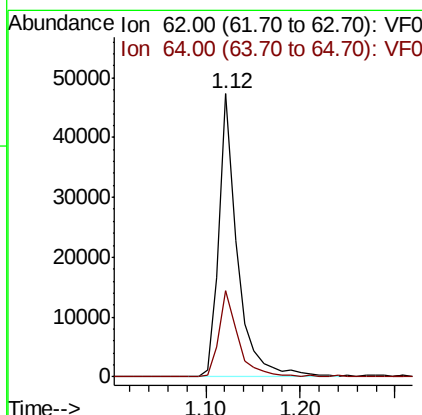
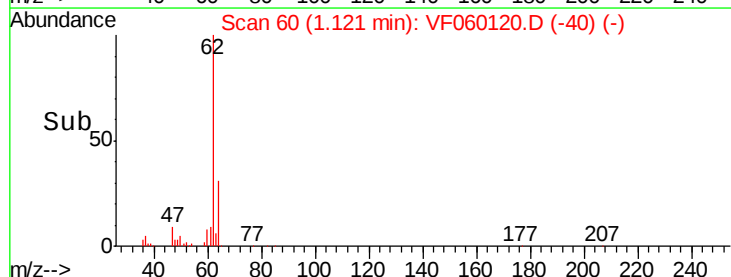
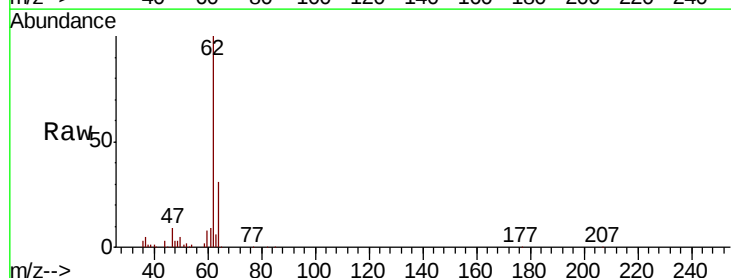
Acq: 27 Aug 2018 11:56

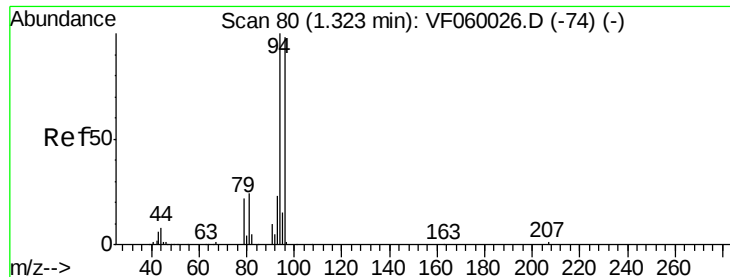
Tgt Ion: 62 Resp: 64336

Ion Ratio Lower Upper

62 100

64 30.7 27.4 41.2





#5

Bromomethane

Concen: 42.57 ug/l

RT: 1.32 min Scan# 80

Delta R.T. -0.00 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 47479

Ion Ratio Lower Upper

94 100

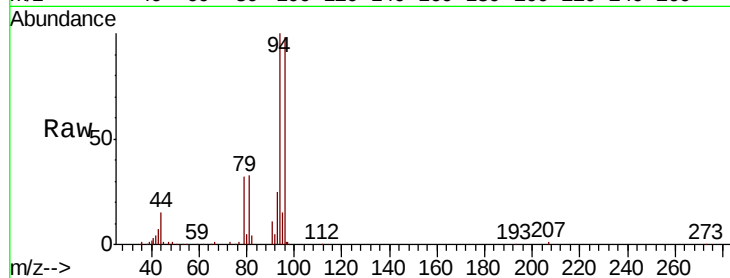
96 99.1 78.6 118.0

Manual Integrations

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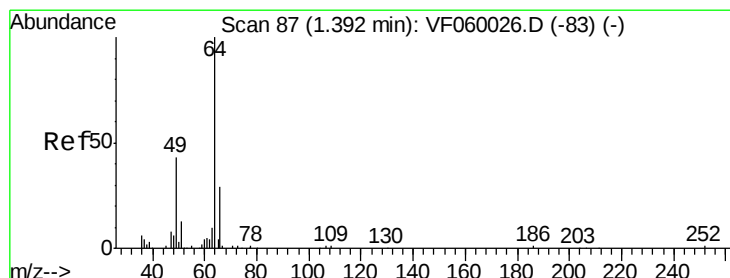
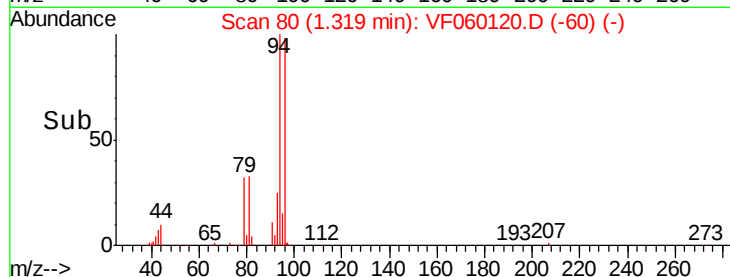
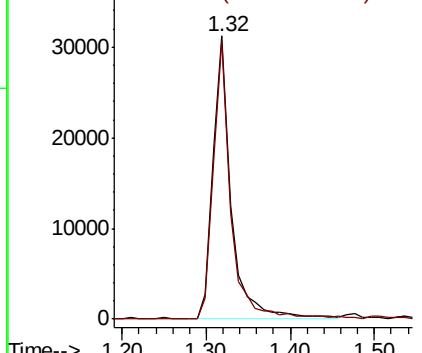
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 52.08 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.00 min

Lab File: VF060120.D

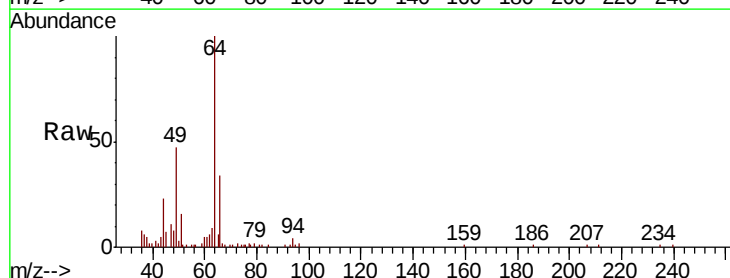
Acq: 27 Aug 2018 11:56

Tgt Ion: 64 Resp: 30129

Ion Ratio Lower Upper

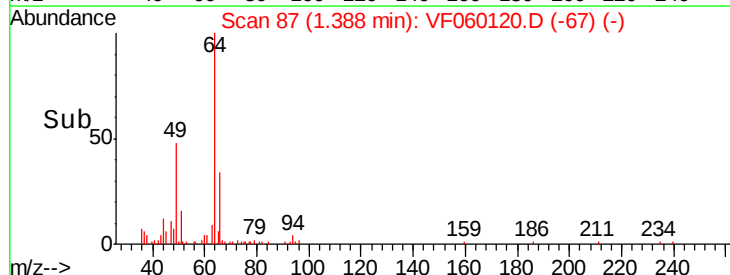
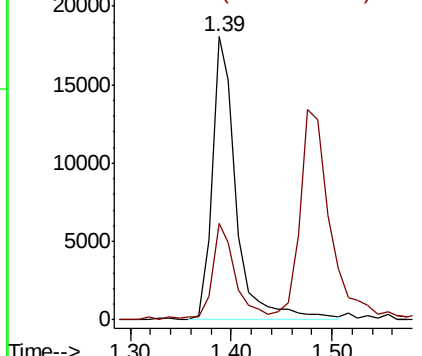
64 100

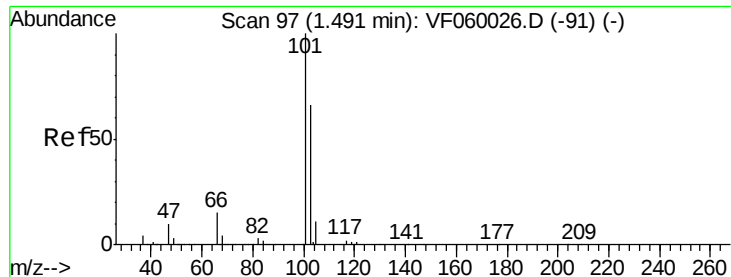
66 34.0 24.1 36.1



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 63.54 ug/l

RT: 1.49 min Scan# 97

Delta R.T. -0.00 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:101 Resp: 187521

Ion Ratio Lower Upper

101 100

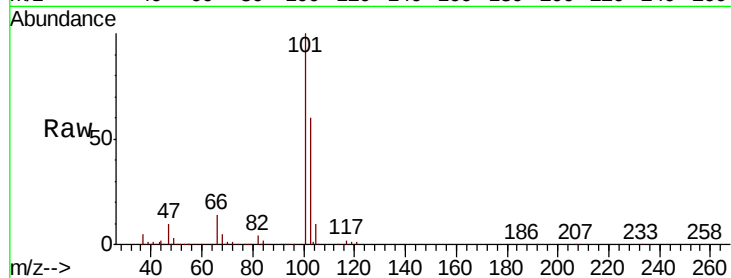
103 60.3 52.5 78.7

Manual Integrations

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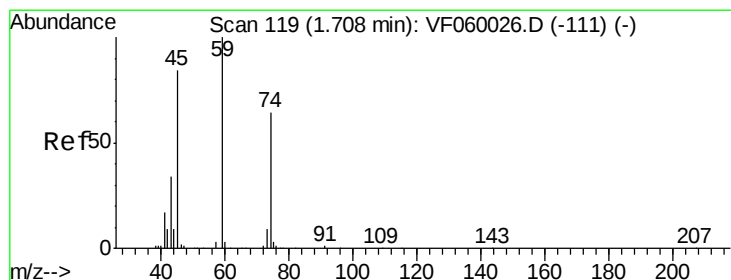
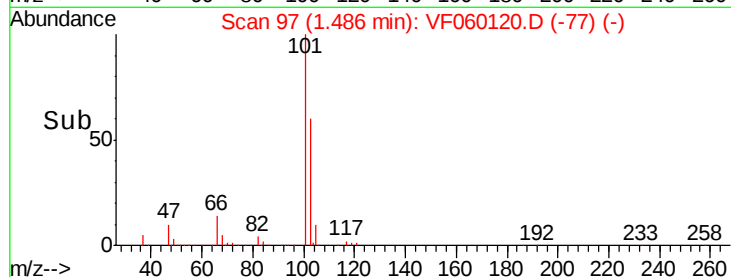
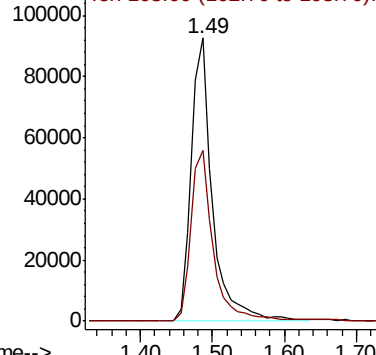
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 45.31 ug/l

RT: 1.70 min Scan# 119

Delta R.T. -0.00 min

Lab File: VF060120.D

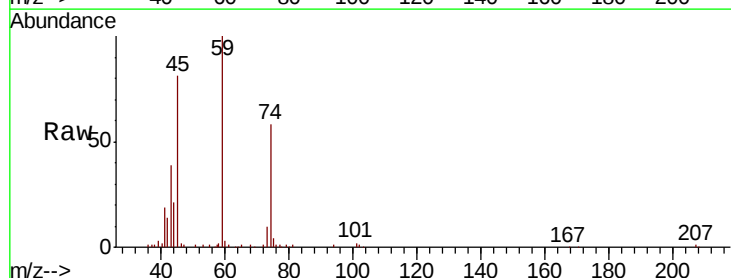
Acq: 27 Aug 2018 11:56

Tgt Ion: 74 Resp: 23910

Ion Ratio Lower Upper

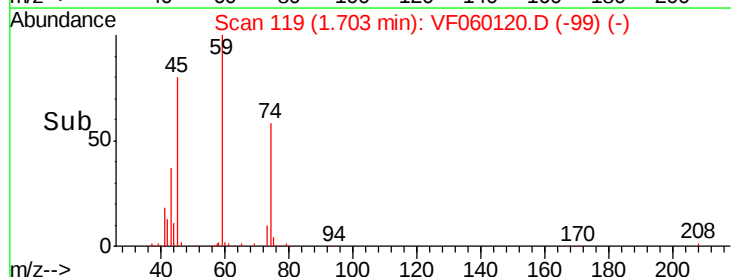
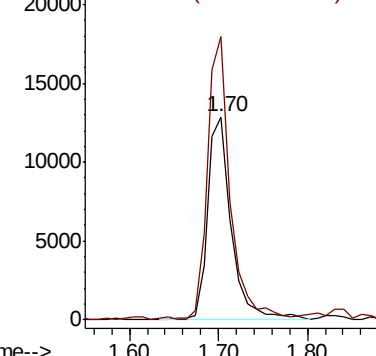
74 100

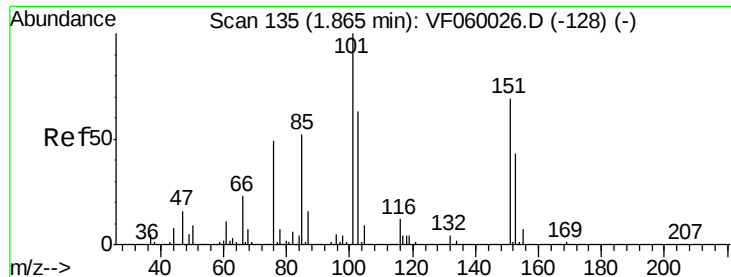
45 139.4 66.0 198.0



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: 52.68 ug/l

RT: 1.86 min Scan# 135

Delta R.T. -0.00 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

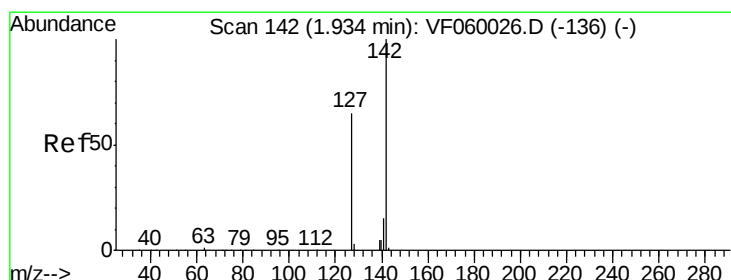
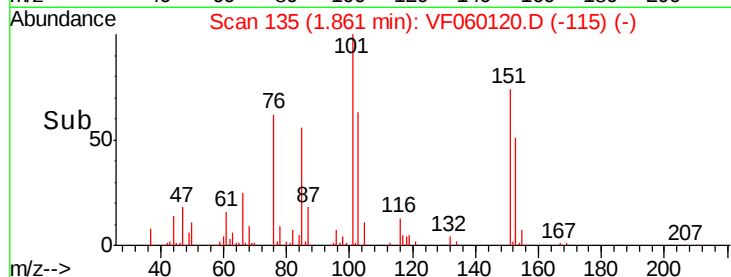
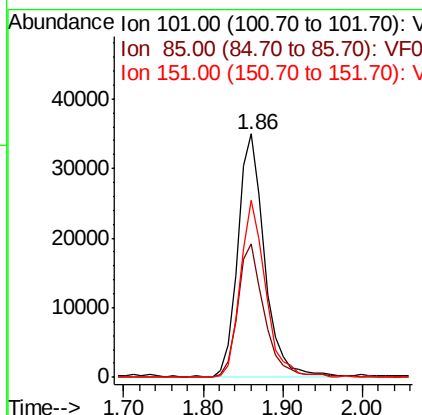
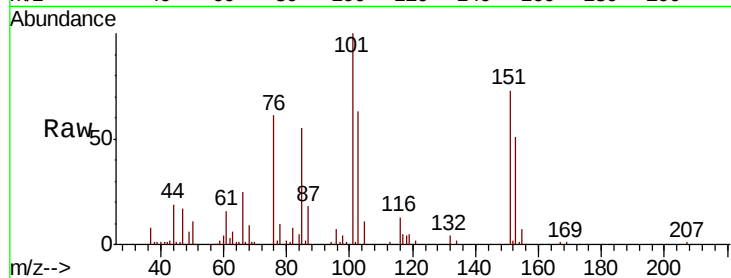
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	81610
Ion Ratio	Lower	Upper	
101	100		
85	55.0	41.5	62.3
151	72.9	55.2	82.8

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#10

Methyl Iodide

Concen: 40.26 ug/l m

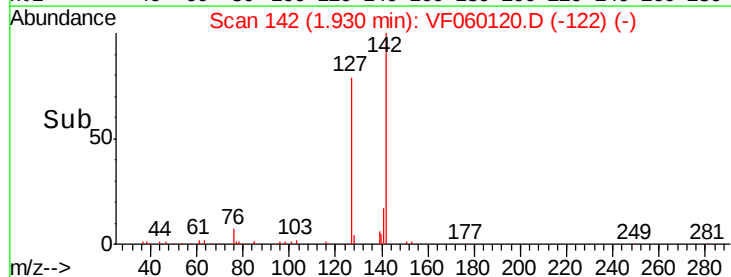
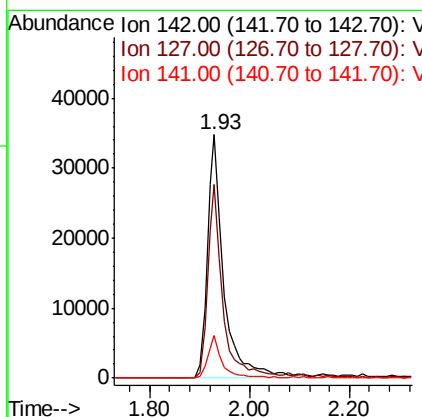
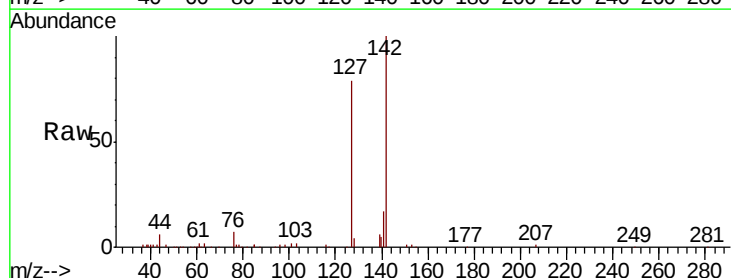
RT: 1.93 min Scan# 142

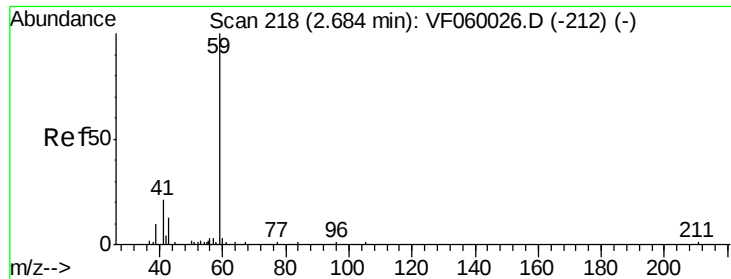
Delta R.T. -0.00 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Tgt Ion:	142	Resp:	82456
Ion Ratio	Lower	Upper	
142	100		
127	79.3	51.8	77.6#
141	17.3	11.9	17.9





#11

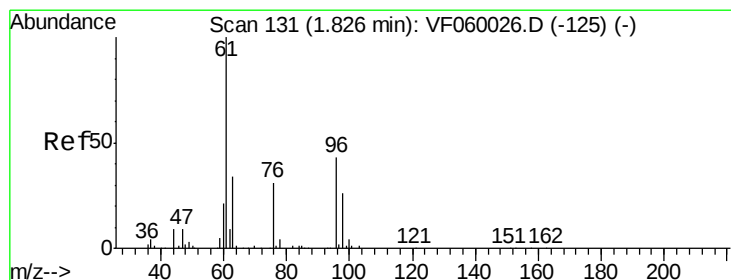
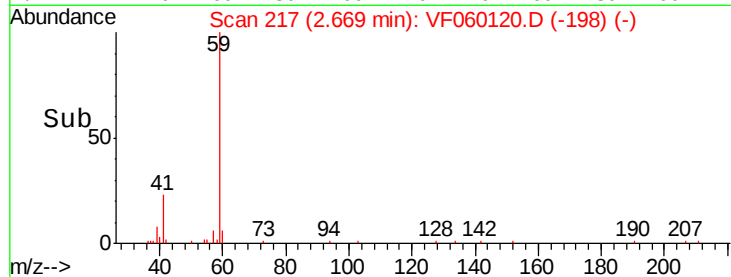
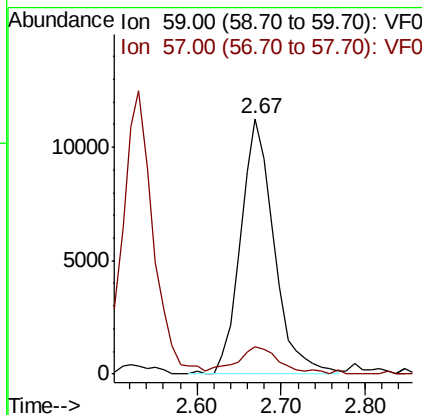
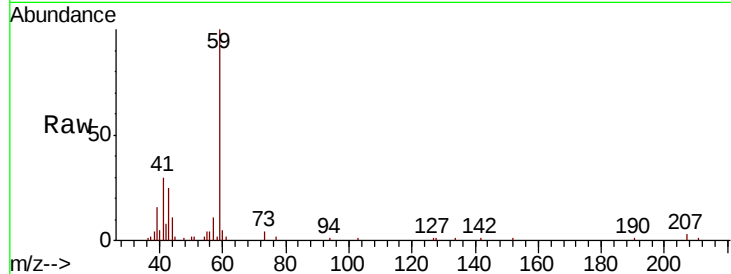
Tert butyl alcohol
Concen: 239.34 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.01 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	5.4	8.2#

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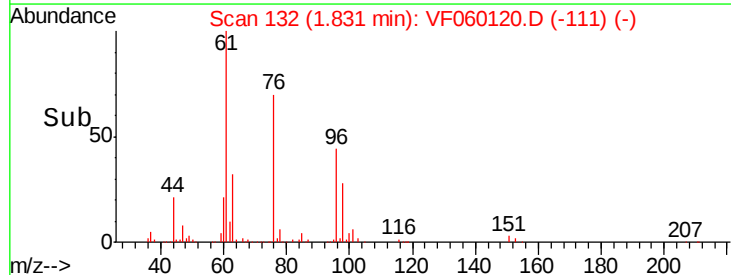
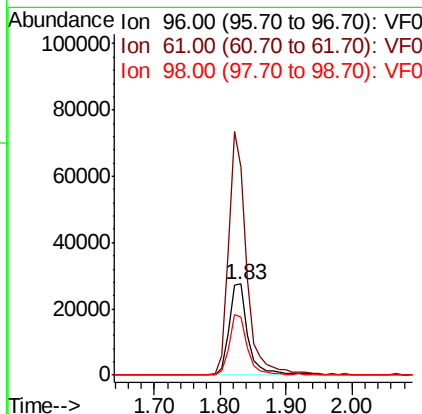
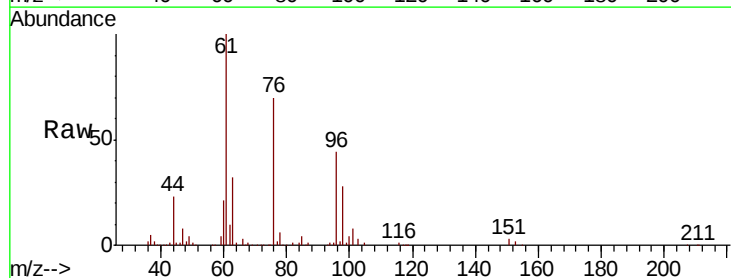
apatel
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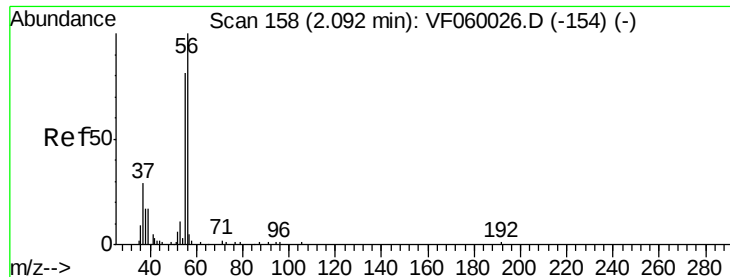


#12

1,1-Dichloroethene
Concen: 49.06 ug/l
RT: 1.83 min Scan# 132
Delta R.T. 0.01 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	228.4	185.0	277.6
98	63.0	47.8	71.8





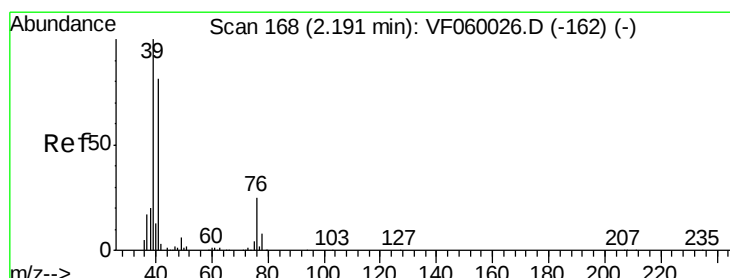
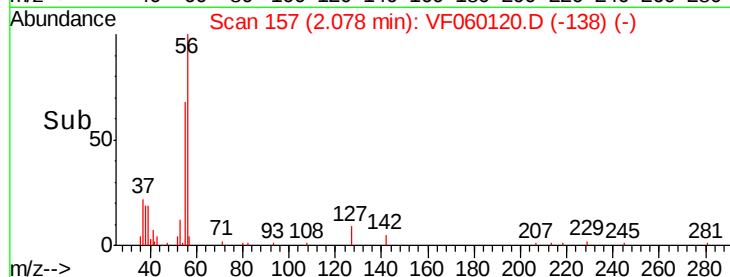
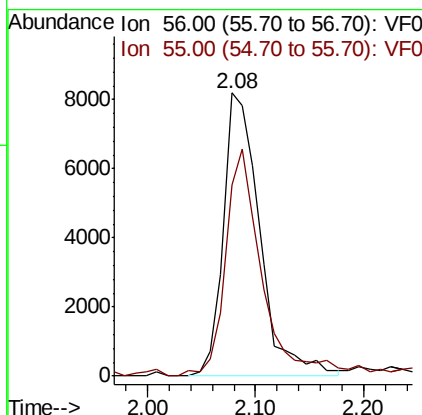
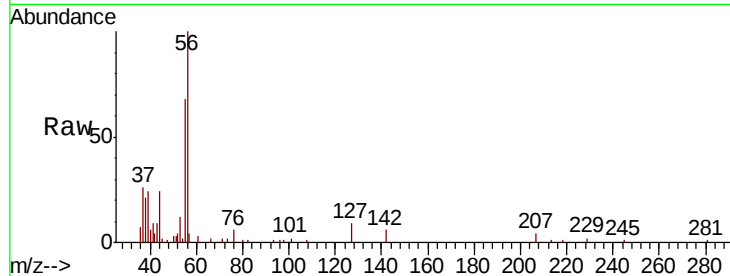
#13
Acrolein
Concen: 241.67 ug/l
RT: 2.08 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	67.6	65.6	98.4	

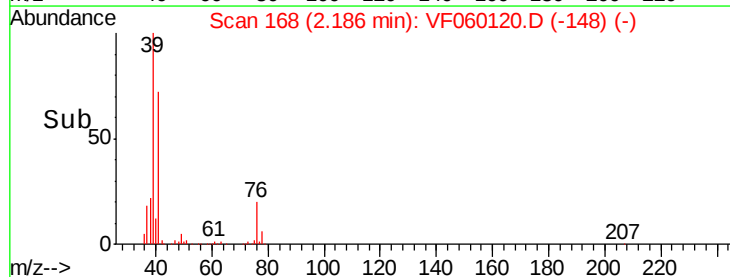
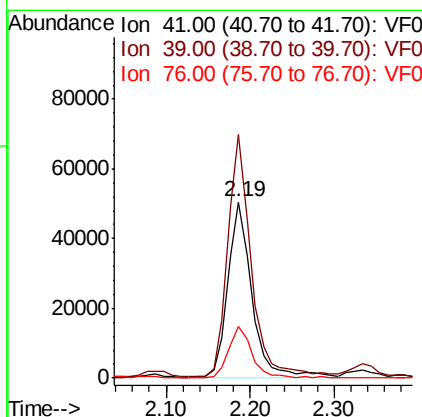
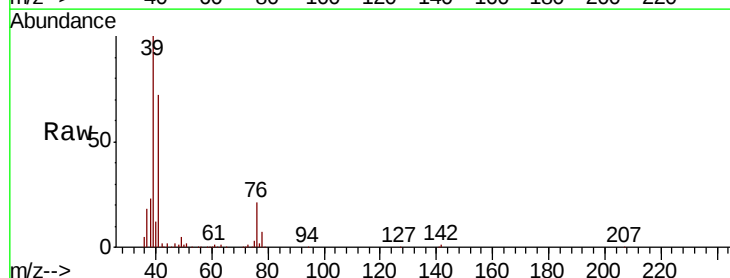
Manual Integrations
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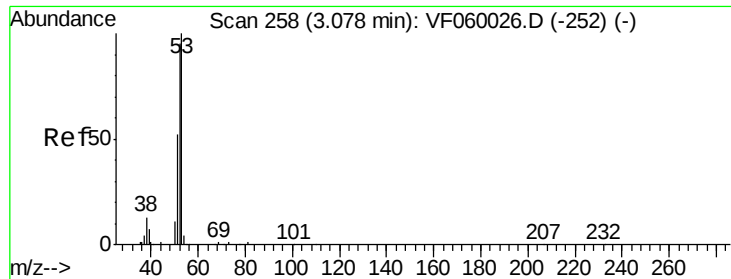
apatel
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#14
Allyl chloride
Concen: 49.42 ug/l
RT: 2.19 min Scan# 168
Delta R.T. -0.00 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	138.5	99.3	148.9	
76	29.7	24.3	36.5	





#15

Acrylonitrile

Concen: 285.11 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

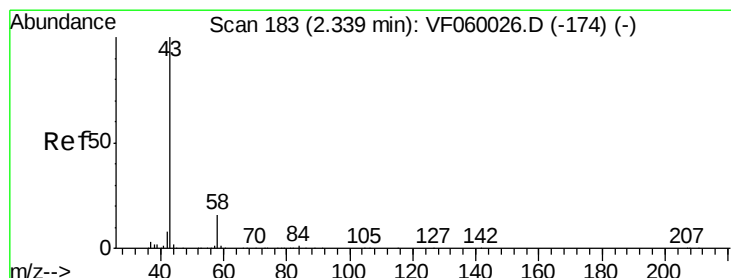
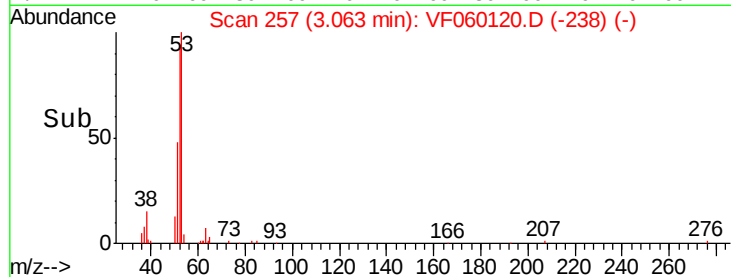
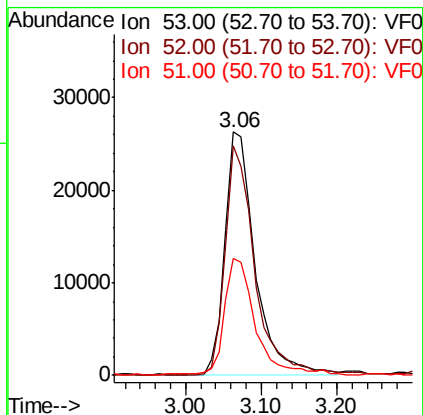
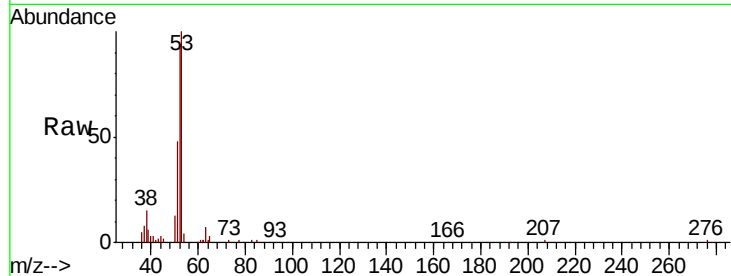
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	73556
Ion Ratio	Lower	Upper	
53	100		
52	94.1	75.8	113.8
51	48.2	42.1	63.1

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#16

Acetone

Concen: 281.95 ug/l

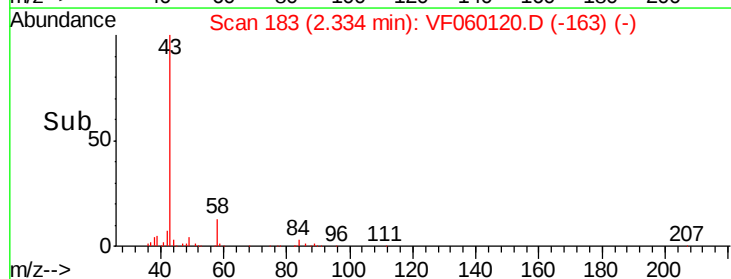
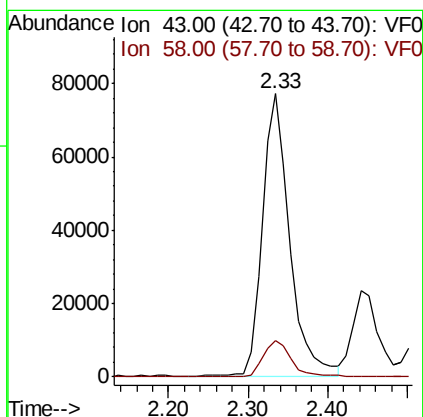
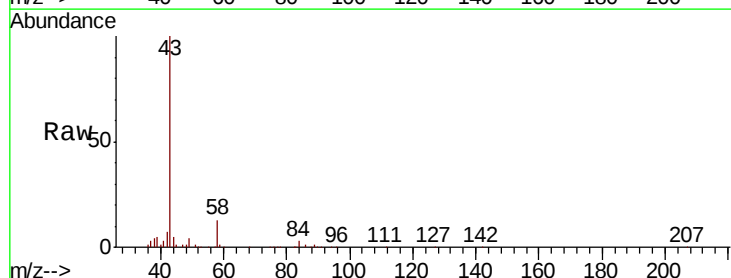
RT: 2.33 min Scan# 183

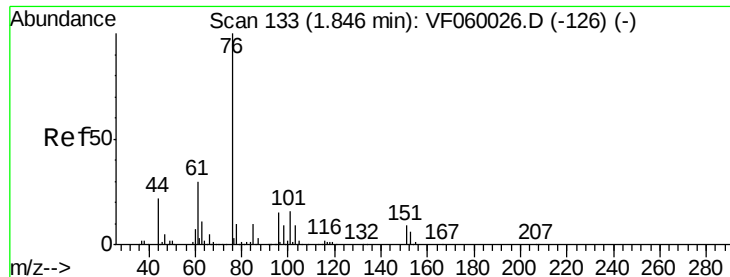
Delta R.T. -0.00 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Tgt Ion:	43	Resp:	182099
Ion Ratio	Lower	Upper	
43	100		
58	13.0	12.6	19.0





#17

Carbon Disulfide

Concen: 41.23 ug/l

RT: 1.84 min Scan# 133

Delta R.T. -0.00 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 147334

Ion Ratio Lower Upper

76 100

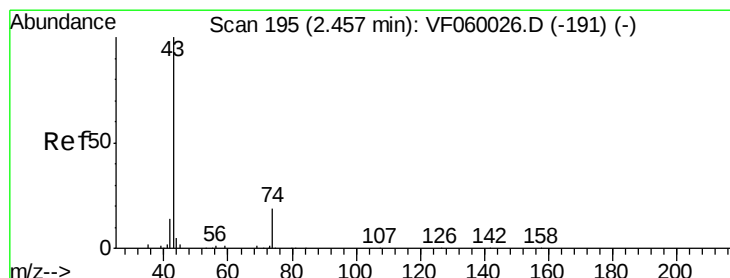
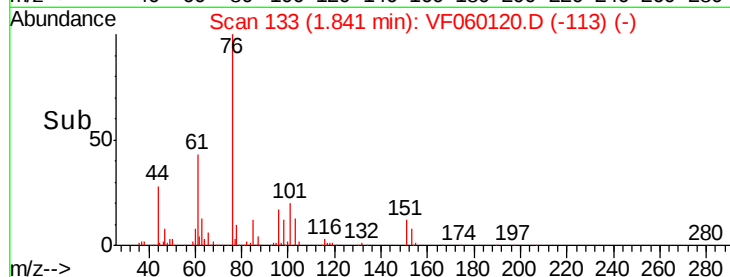
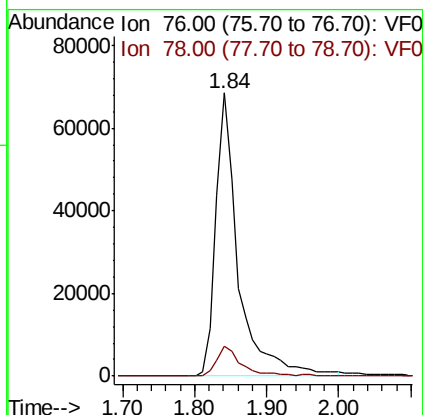
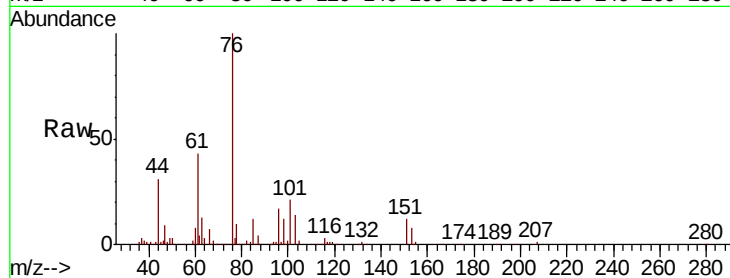
78 10.5 8.4 12.6

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#18

Methyl Acetate

Concen: 44.15 ug/l

RT: 2.44 min Scan# 194

Delta R.T. -0.01 min

Lab File: VF060120.D

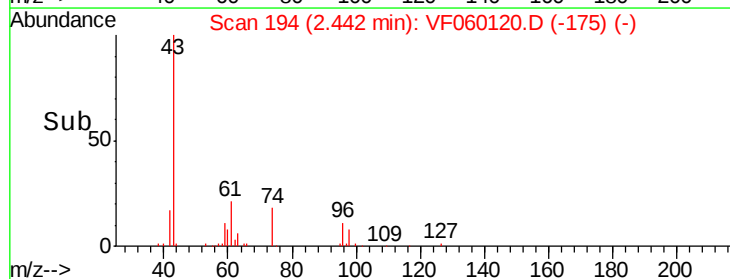
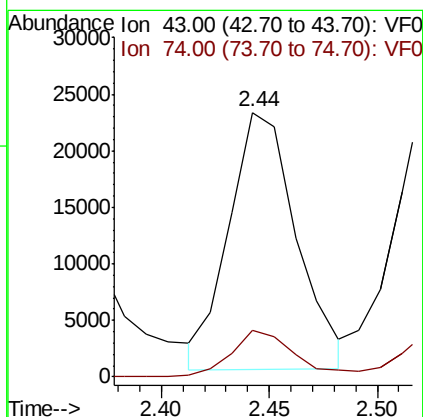
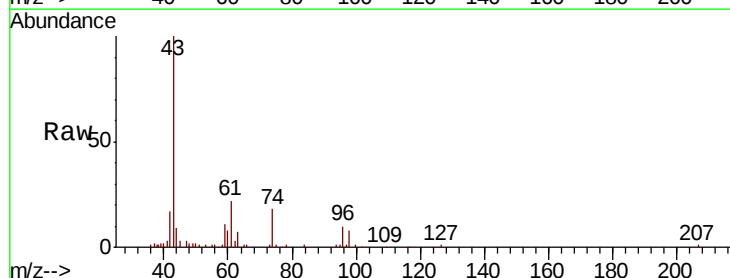
Acq: 27 Aug 2018 11:56

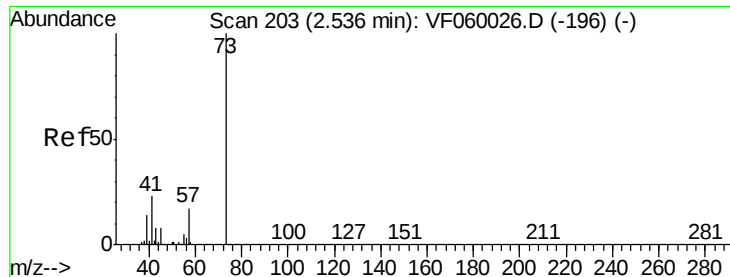
Tgt Ion: 43 Resp: 49240

Ion Ratio Lower Upper

43 100

74 17.5 13.8 20.6





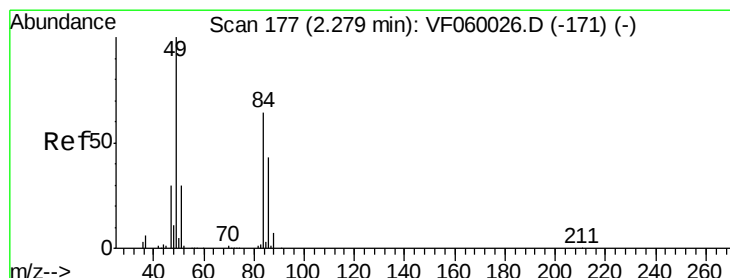
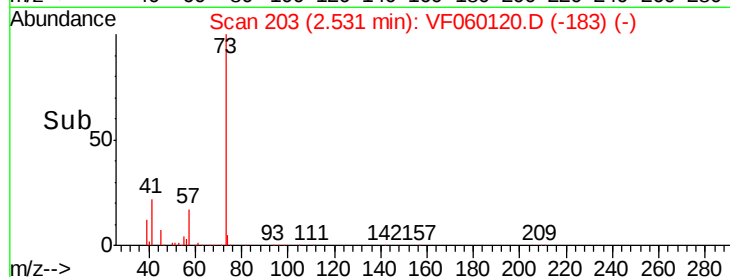
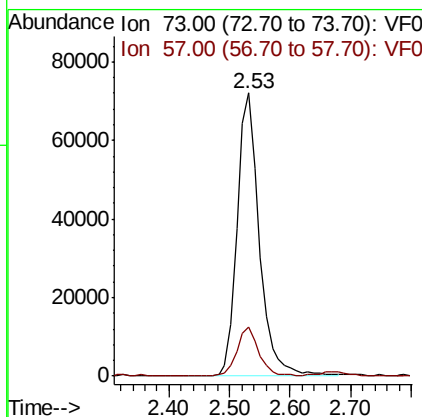
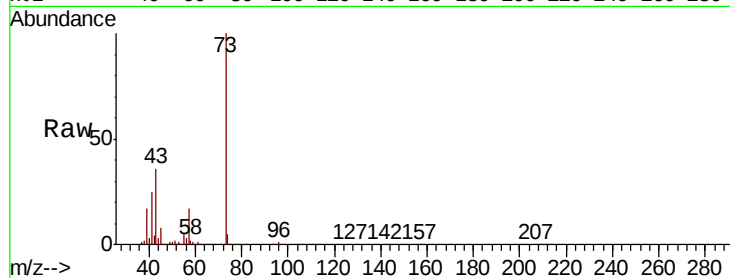
#19
Methvl tert-butvl Ether
Concen: 50.44 ug/l
RT: 2.53 min Scan# 203
Delta R.T. -0.00 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.3	13.7	20.5

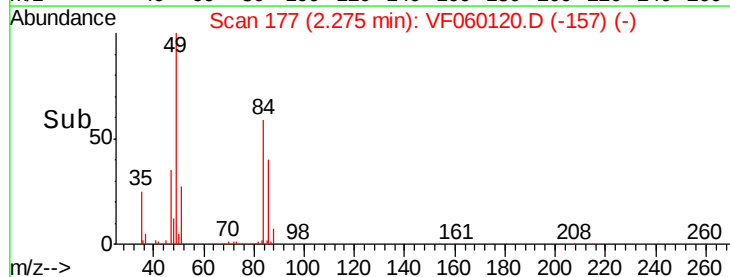
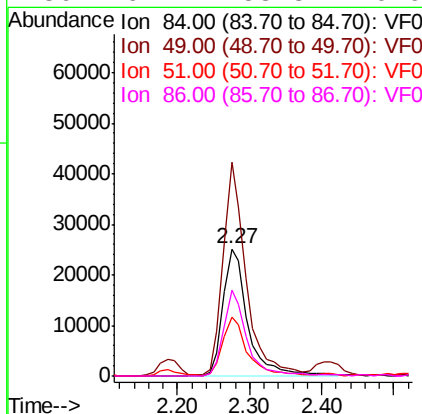
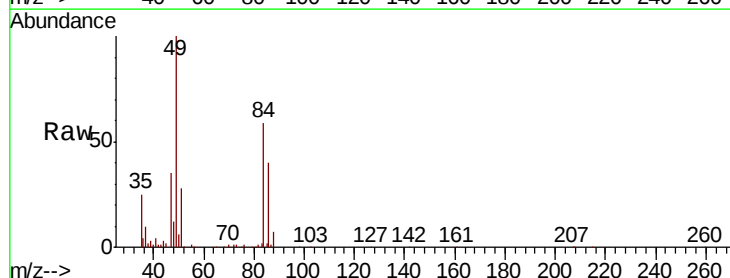
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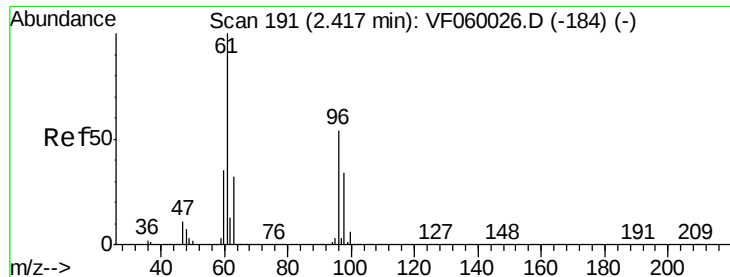
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#20
Methylene Chloride
Concen: 46.45 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	168.5	125.4	188.0
51	47.0	38.3	57.5
86	67.4	53.3	79.9





#21

trans-1,2-Dichloroethene

Concen: 42.29 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

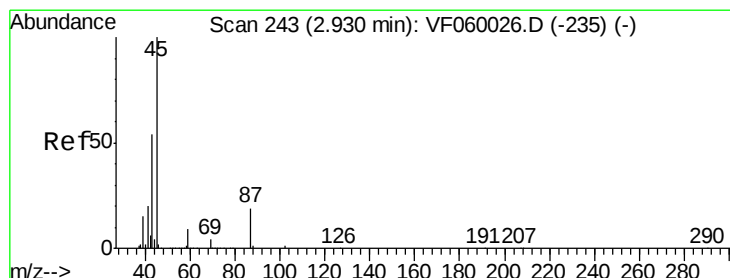
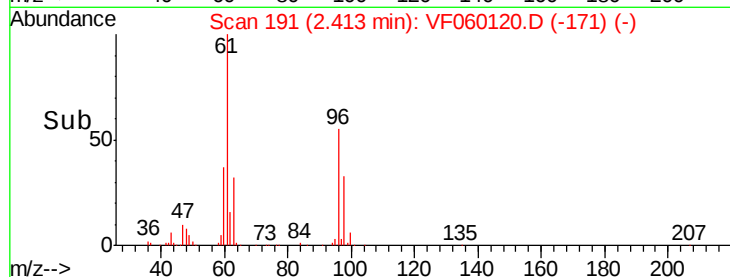
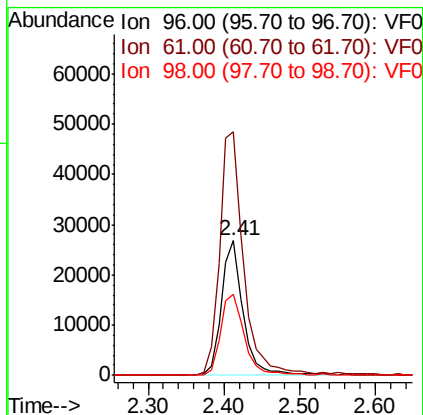
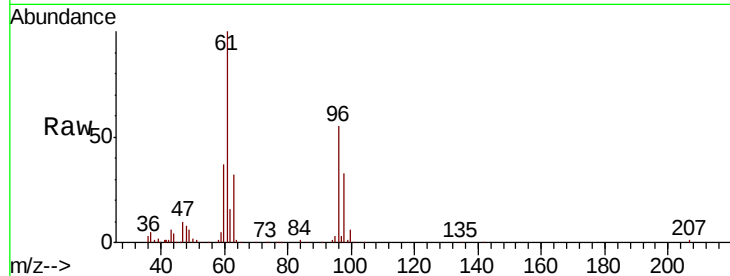
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	54005
Ion	Ratio	Lower	Upper
96	100		
61	181.0	147.4	221.0
98	60.2	49.8	74.6

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#22

Diisopropyl ether

Concen: 42.60 ug/l

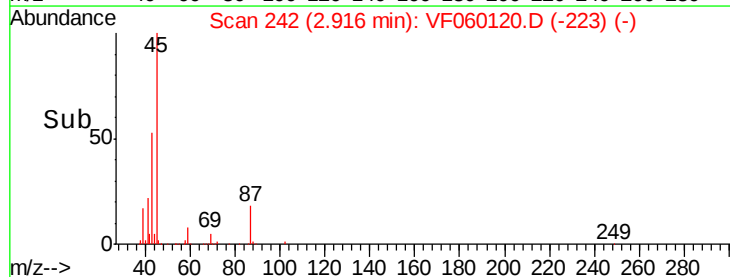
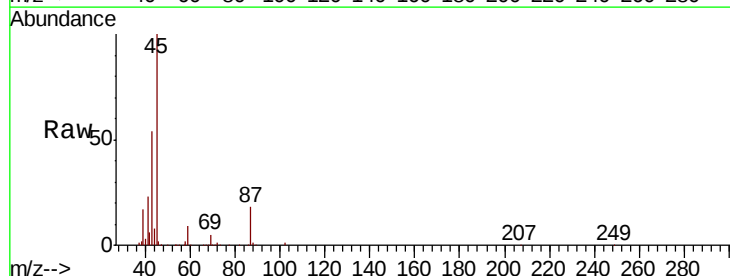
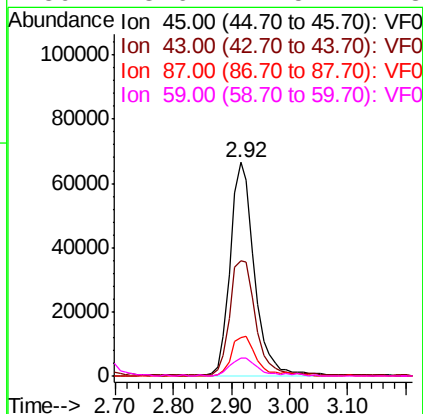
RT: 2.92 min Scan# 242

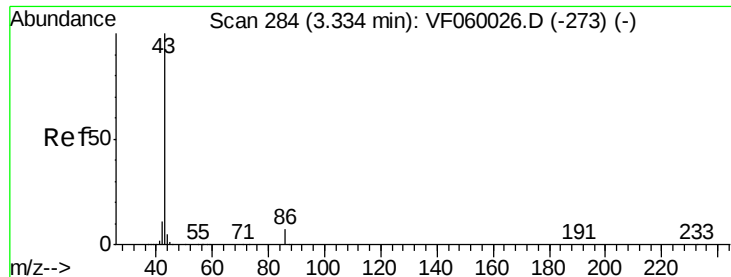
Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Tgt Ion:	45	Resp:	193370
Ion	Ratio	Lower	Upper
45	100		
43	54.2	43.4	65.2
87	17.9	15.4	23.2
59	8.6	7.5	11.3





#23

Vinyl Acetate

Concen: 263.71 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 634145

Ion Ratio Lower Upper

43 100

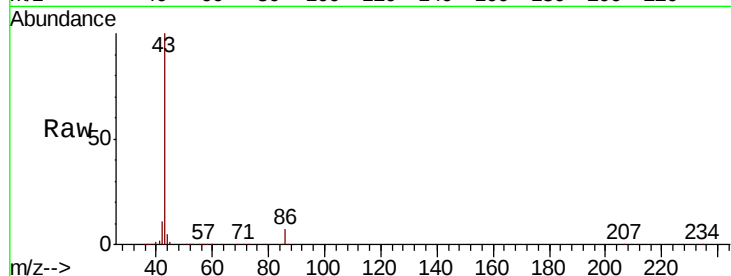
86 7.0 5.6 8.4

Manual Integrations

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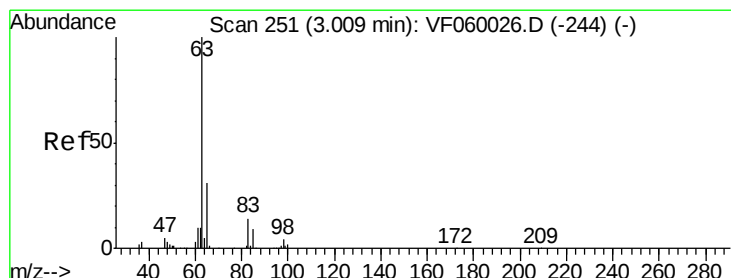
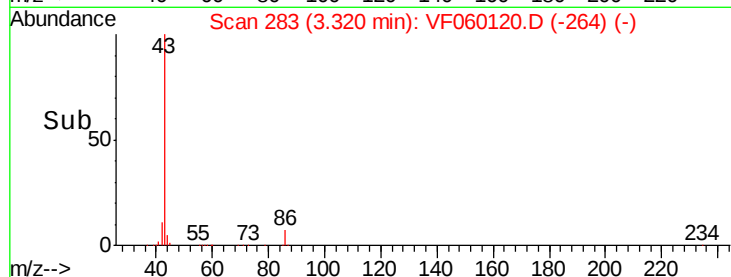
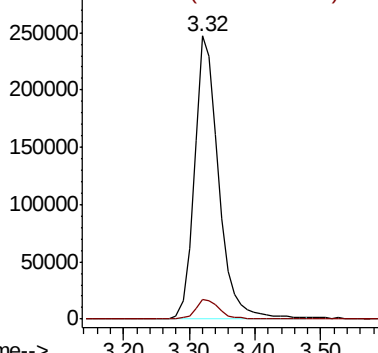
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 51.87 ug/l

RT: 2.99 min Scan# 250

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

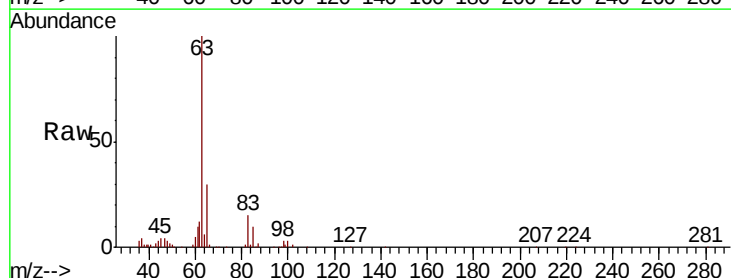
Tgt Ion: 63 Resp: 145453

Ion Ratio Lower Upper

63 100

98 3.3 2.1 6.5

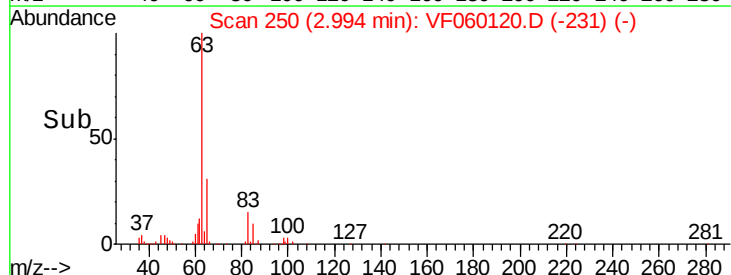
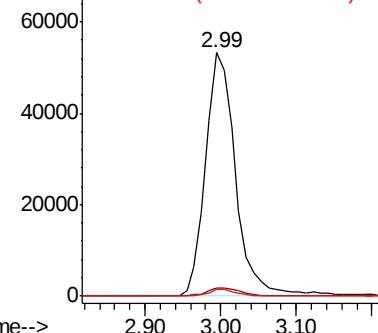
100 2.7 1.1 3.3

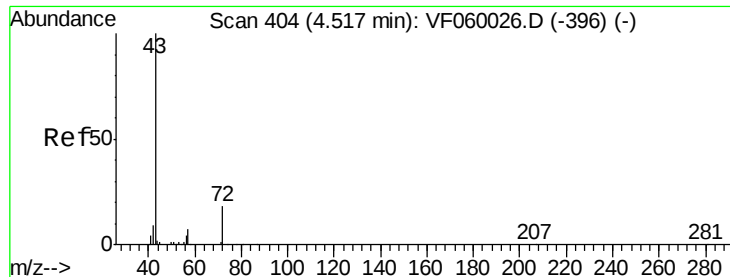


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 250.94 ug/l

RT: 4.49 min Scan# 402

Delta R.T. -0.02 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 210520

Ion Ratio Lower Upper

43 100

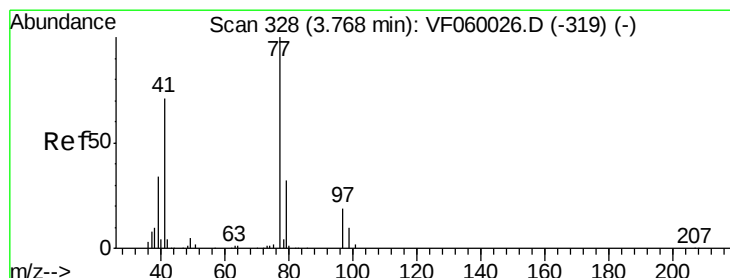
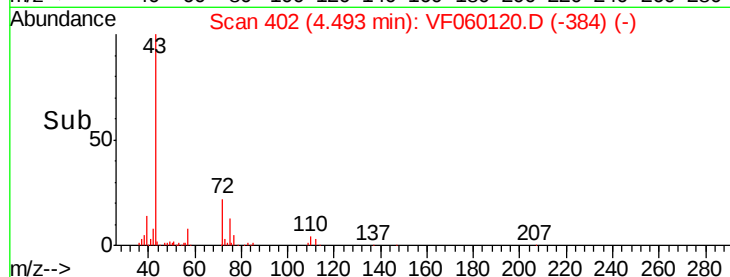
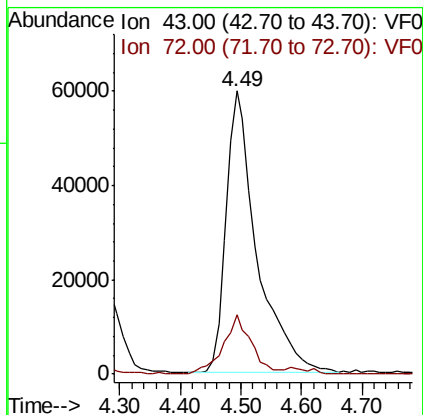
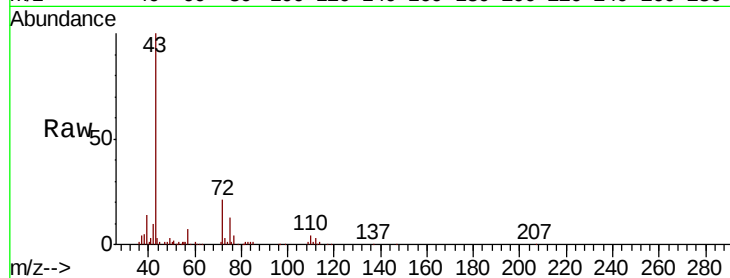
72 21.0 15.0 22.6

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#26

2,2-Dichloropropane

Concen: 60.27 ug/l

RT: 3.75 min Scan# 327

Delta R.T. -0.01 min

Lab File: VF060120.D

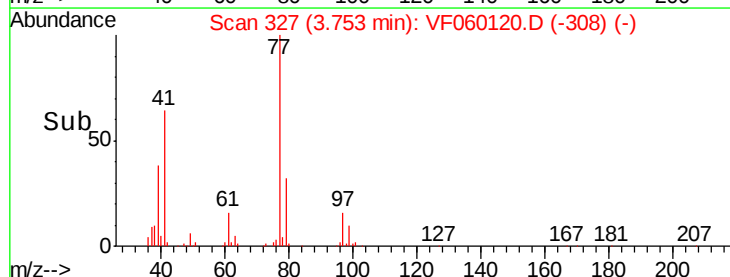
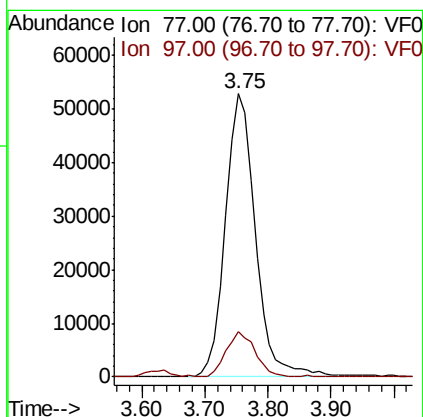
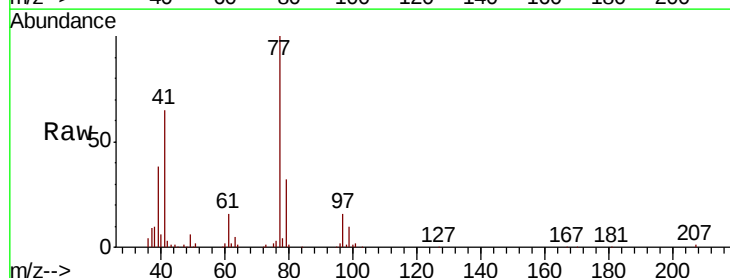
Acq: 27 Aug 2018 11:56

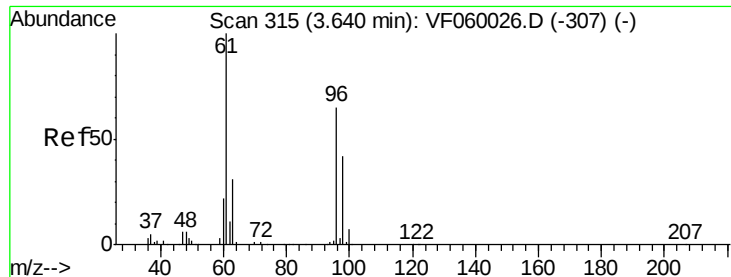
Tgt Ion: 77 Resp: 174860

Ion Ratio Lower Upper

77 100

97 16.2 9.7 29.1





#27

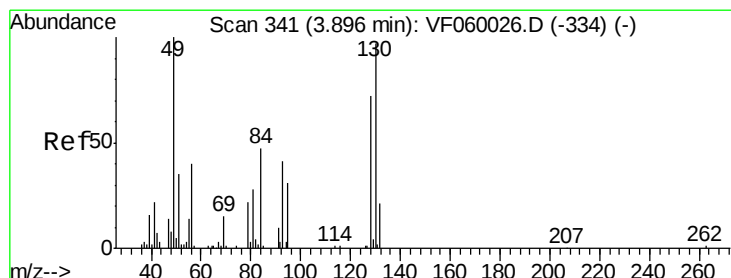
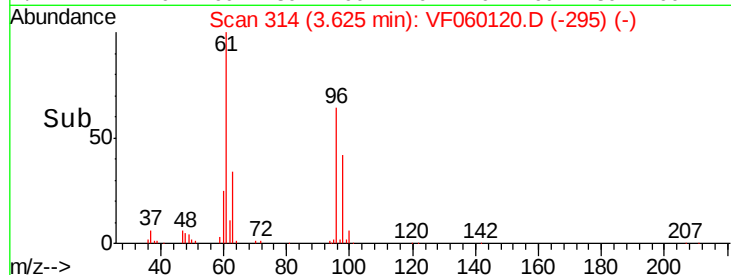
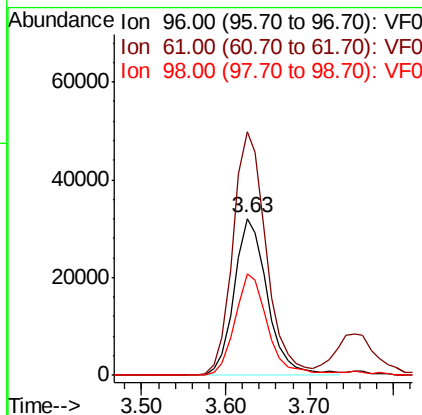
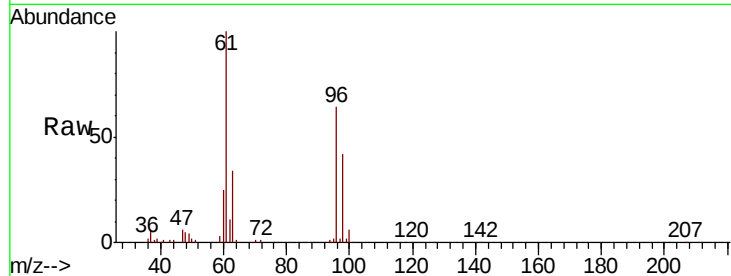
cis-1,2-Dichloroethene
Concen: 48.85 ug/l
RT: 3.63 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	155.4	0.0	307.6		
98	64.8	0.0	128.4		

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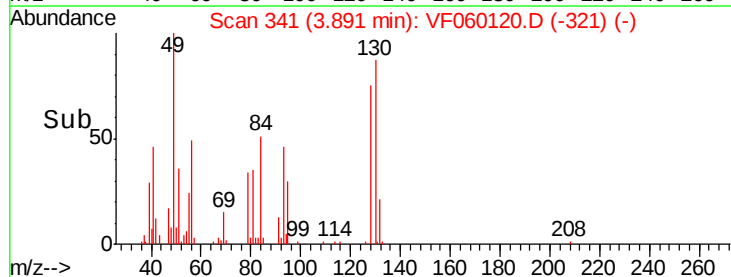
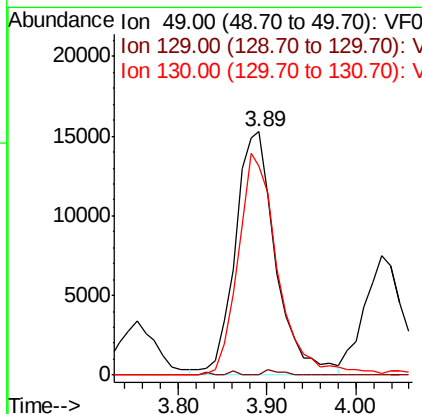
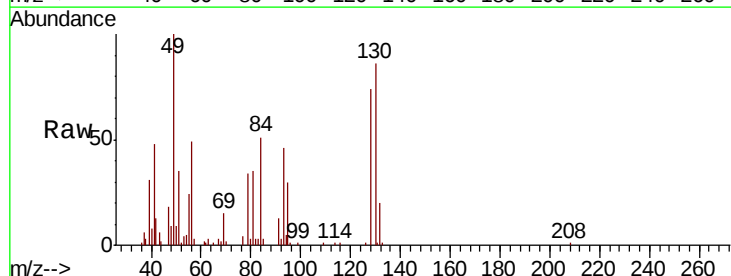
apatel
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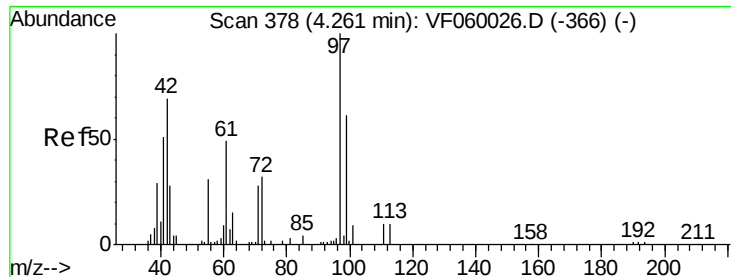


#28

Bromochloromethane
Concen: 41.23 ug/l m
RT: 3.89 min Scan# 341
Delta R.T. -0.00 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	0.0	0.0	7.4		
130	85.9	78.0	117.0		





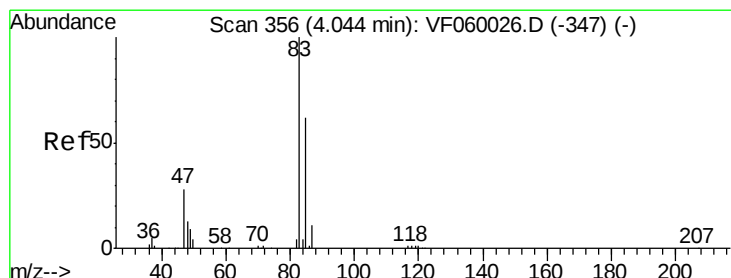
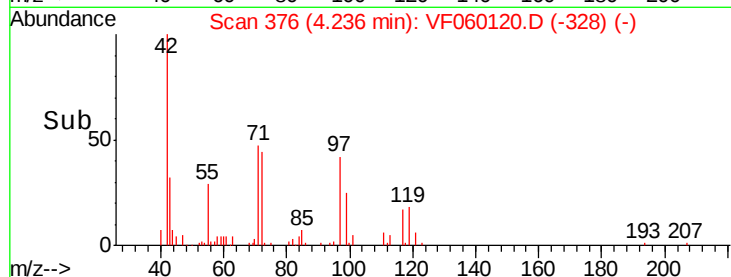
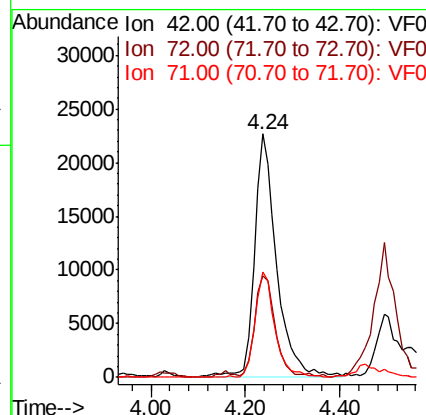
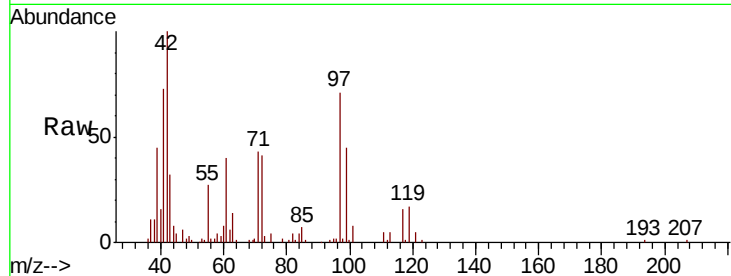
#29
Tetrahydrofuran
Concen: 233.07 ug/l
RT: 4.24 min Scan# 376
Delta R.T. -0.02 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.1	31.4	47.2
71	38.6	29.7	44.5

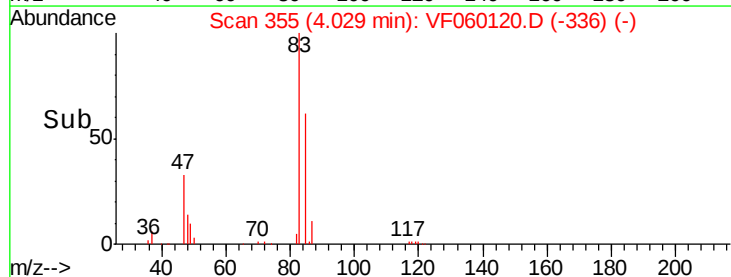
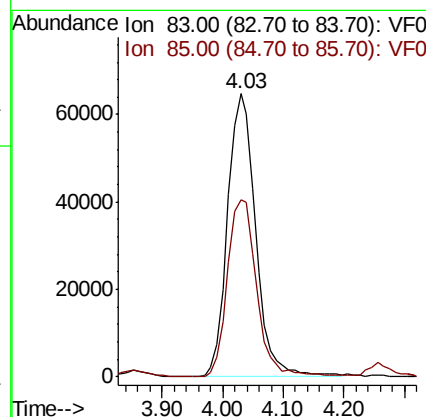
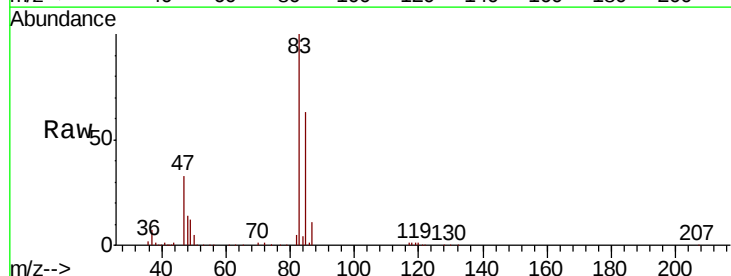
Manual Integrations
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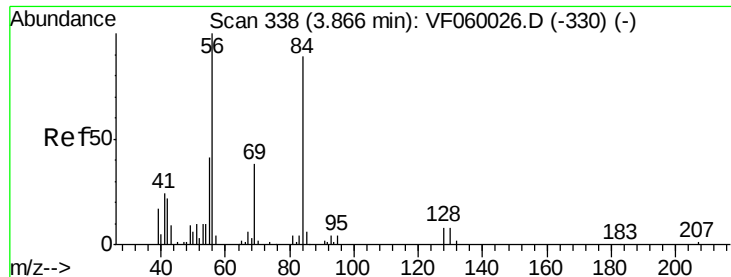
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#30
Chloroform
Concen: 53.31 ug/l
RT: 4.03 min Scan# 355
Delta R.T. -0.01 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	49.5	74.3





#31

Cyclohexane

Concen: 43.75 ug/l

RT: 3.85 min Scan# 337

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

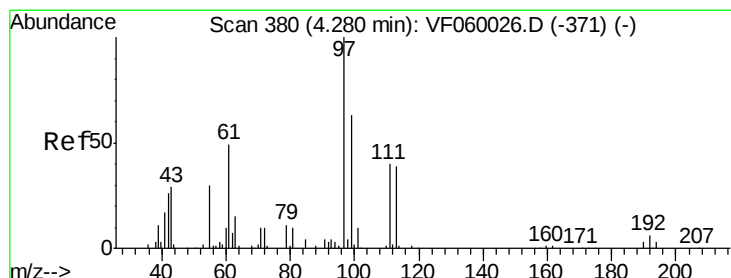
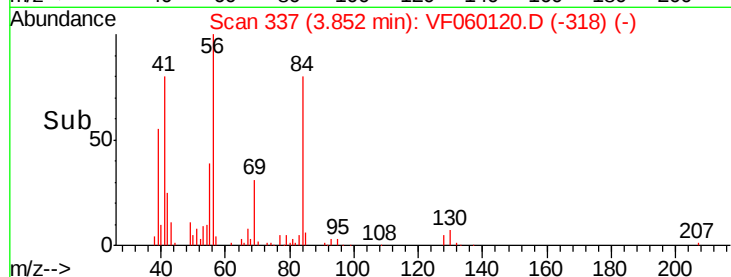
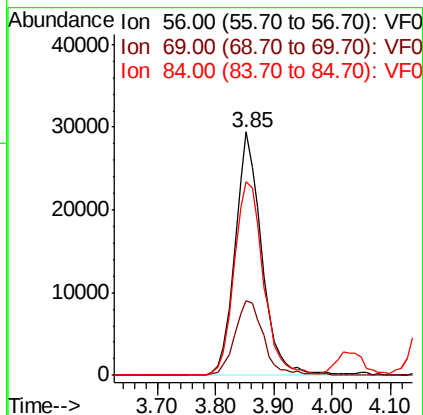
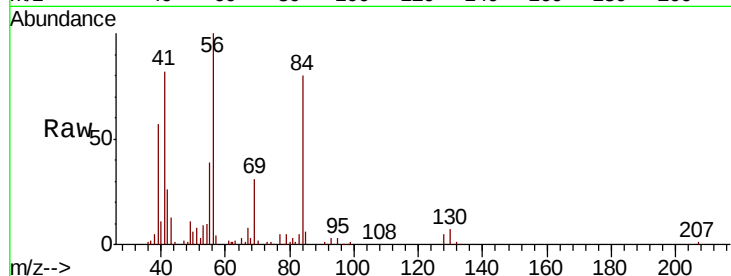
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	93480
Ion Ratio	Lower	Upper	
56	100		
69	30.8	30.4	45.6
84	79.7	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 56.91 ug/l

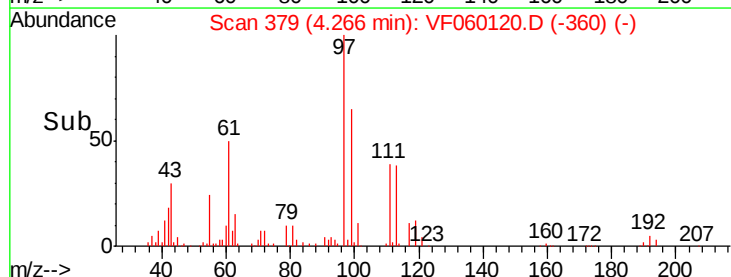
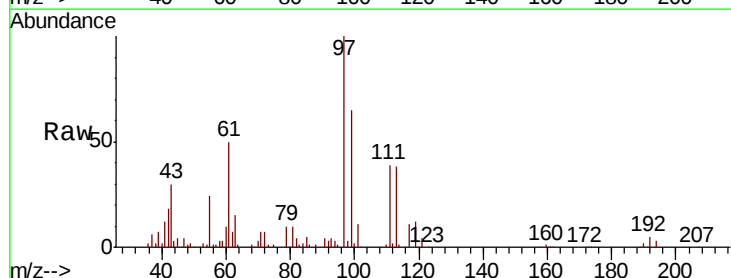
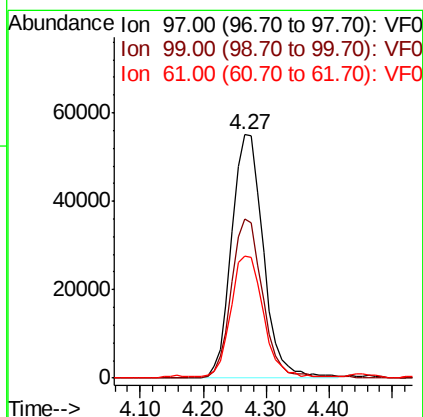
RT: 4.27 min Scan# 379

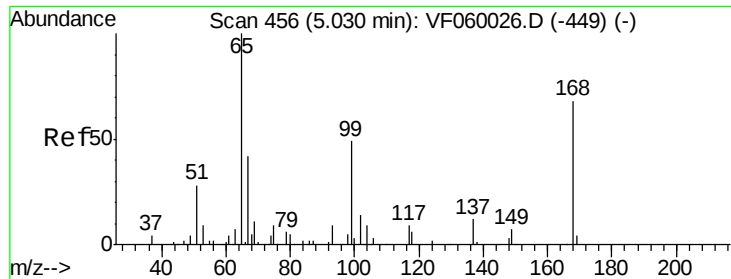
Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Tgt Ion:	97	Resp:	191820
Ion Ratio	Lower	Upper	
97	100		
99	65.2	50.3	75.5
61	50.4	40.3	60.5





#33

1,2-Dichloroethane-d4

Concen: 52.74 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Tot Ion: 65 Resp: 129604

Ion Ratio Lower Upper

65 100

67 44.6 0.0 92.0

Instrument :

MSVOA_F

ClientSampleId :

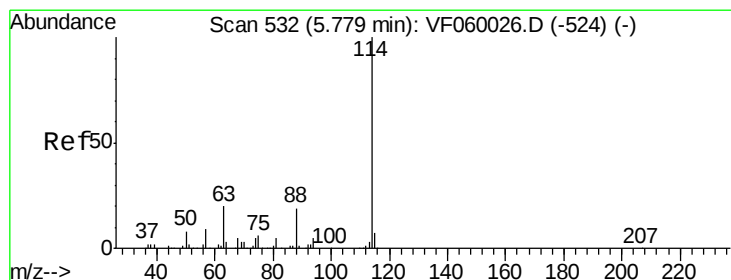
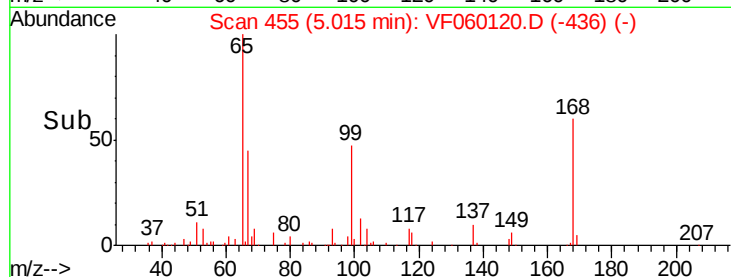
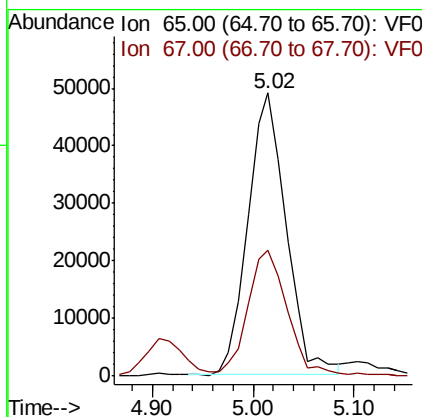
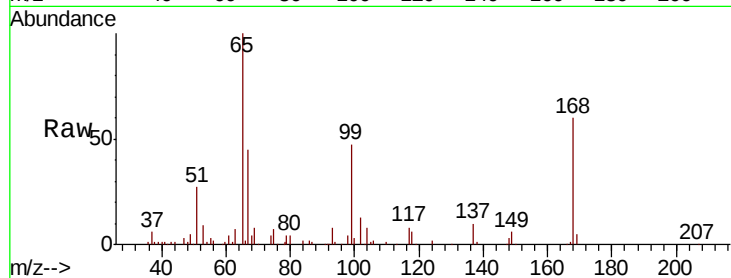
VSTDCCC050

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.02 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

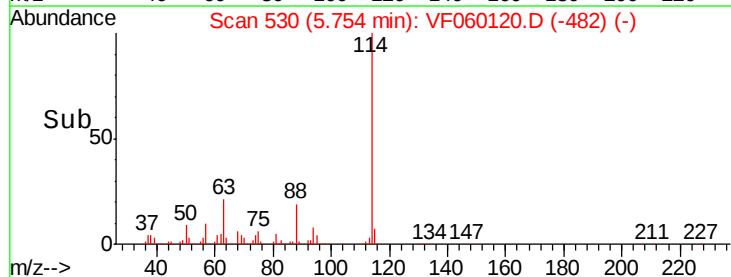
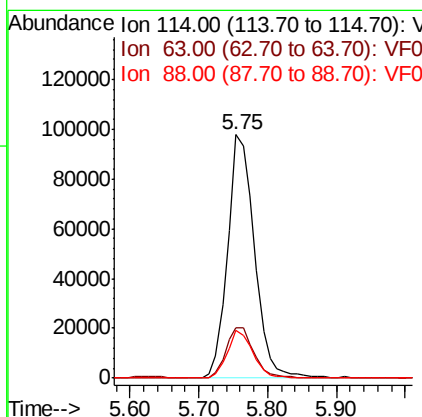
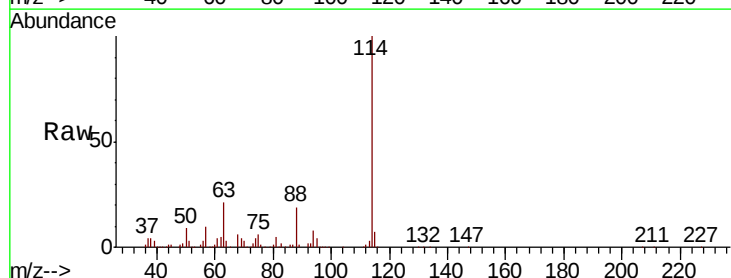
Tgt Ion:114 Resp: 264899

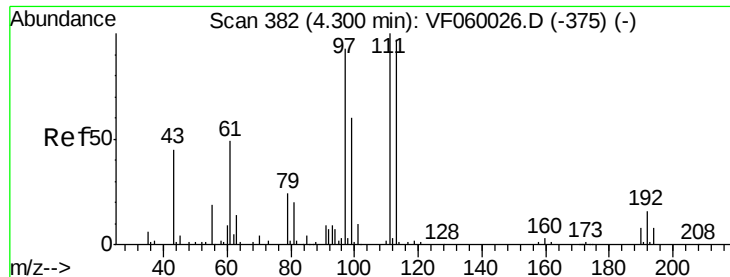
Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.4

88 19.5 0.0 38.6





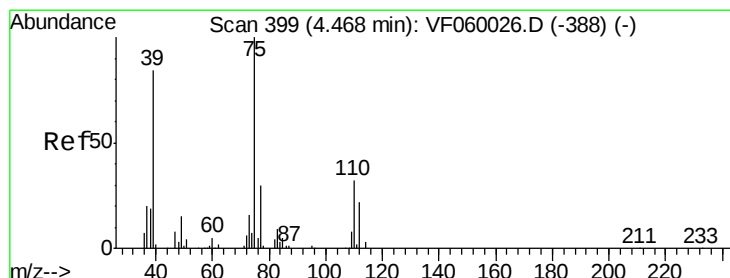
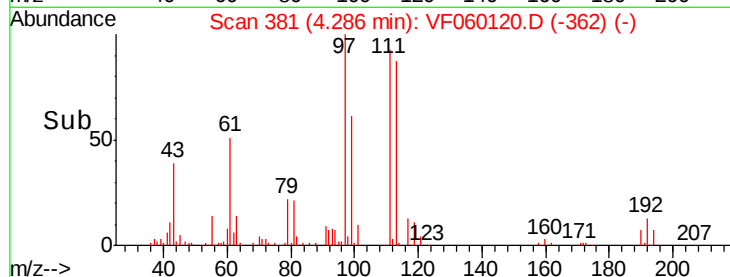
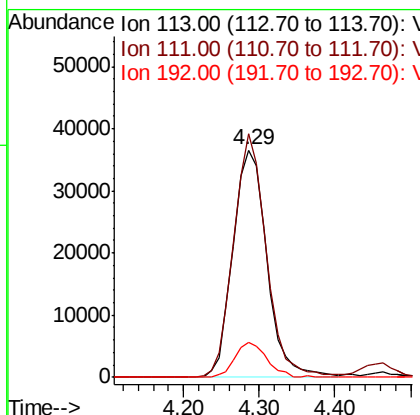
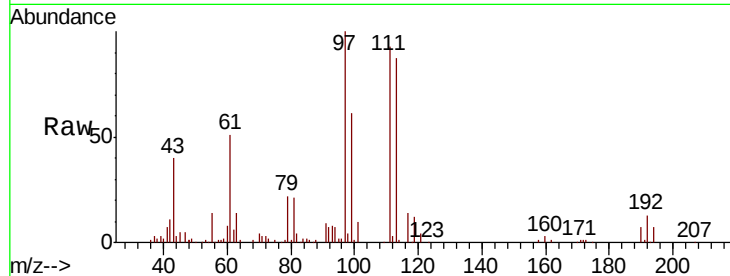
#35
 Dibromofluoromethane
 Concen: 54.85 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VF060120.D
 Acq: 27 Aug 2018 11:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	114096		
111	107.0	82.7	124.1	
192	15.4	13.0	19.4	

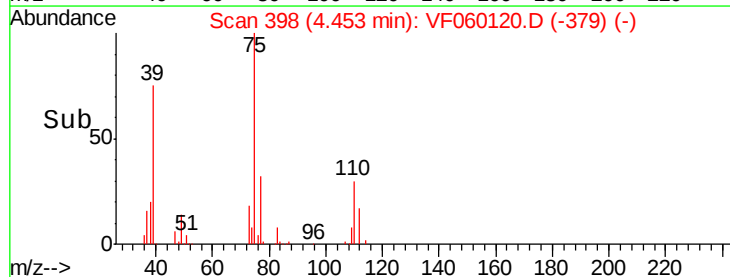
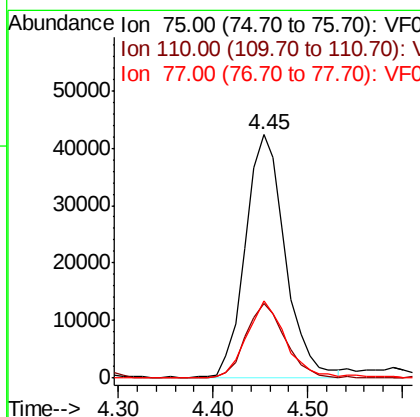
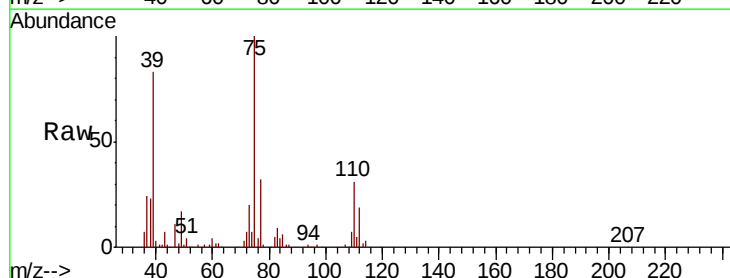
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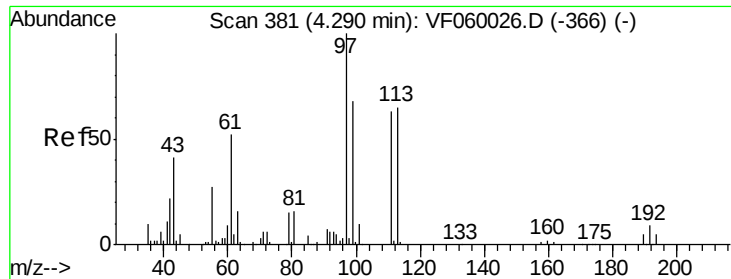
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#36
 1,1-Dichloropropene
 Concen: 49.96 ug/l
 RT: 4.45 min Scan# 398
 Delta R.T. -0.01 min
 Lab File: VF060120.D
 Acq: 27 Aug 2018 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	124368		
110	30.8	16.0	47.9	
77	31.8	24.1	36.1	





#37

Ethyl Acetate

Concen: 47.72 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

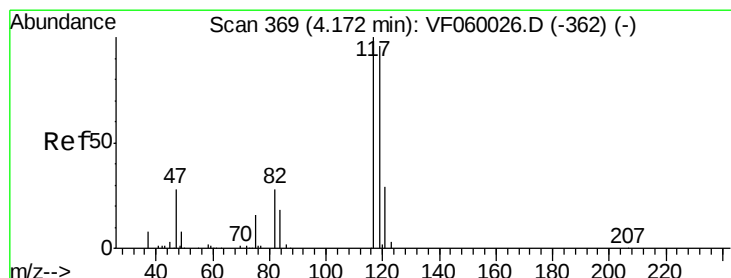
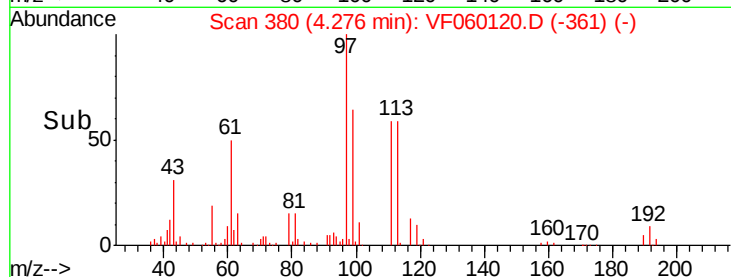
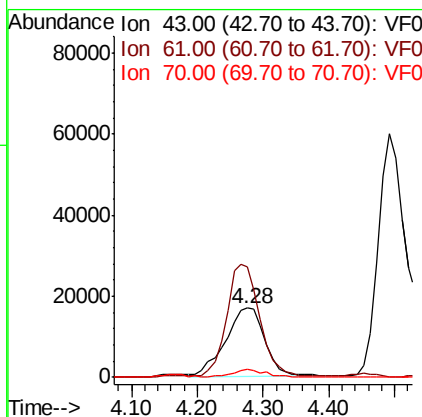
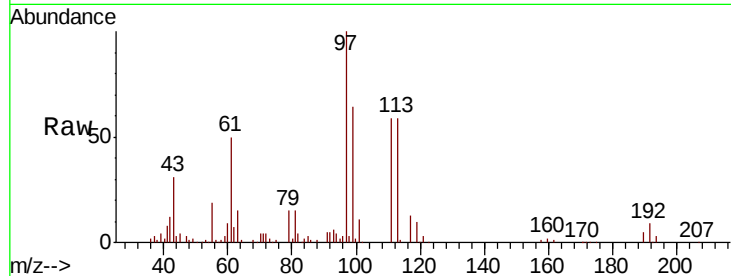
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	71051
Ion Ratio	Lower	Upper	
43	100		
61	159.7	101.5	152.3#
70	11.3	6.4	9.6#

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#38

Carbon Tetrachloride

Concen: 59.01 ug/l

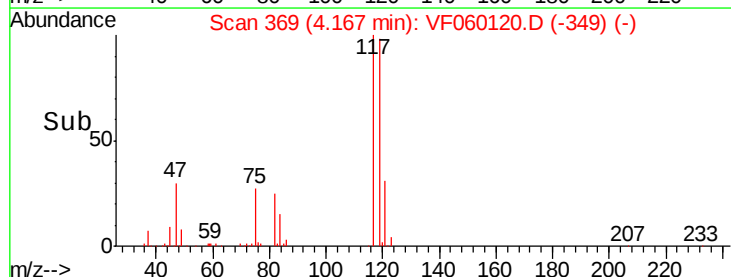
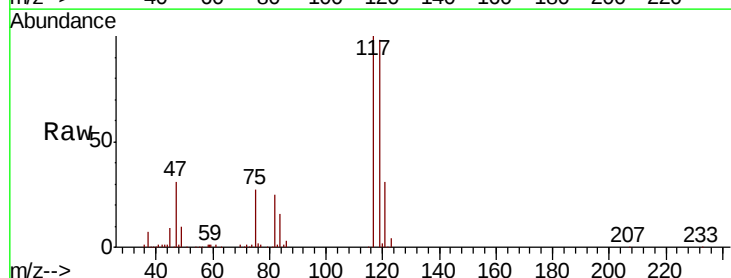
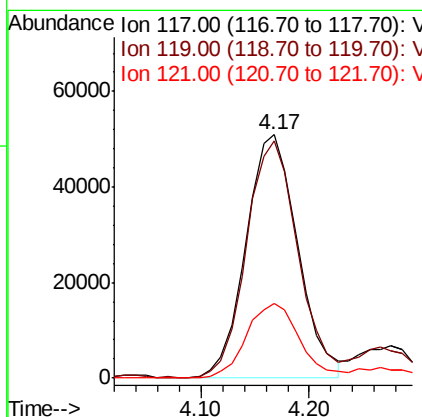
RT: 4.17 min Scan# 369

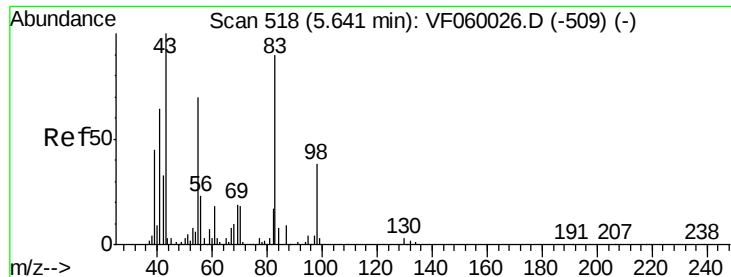
Delta R.T. -0.00 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Tgt Ion:	117	Resp:	170107
Ion Ratio	Lower	Upper	
117	100		
119	97.6	76.5	114.7
121	30.7	23.0	34.6





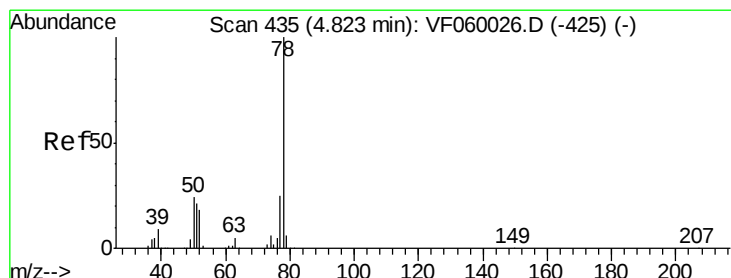
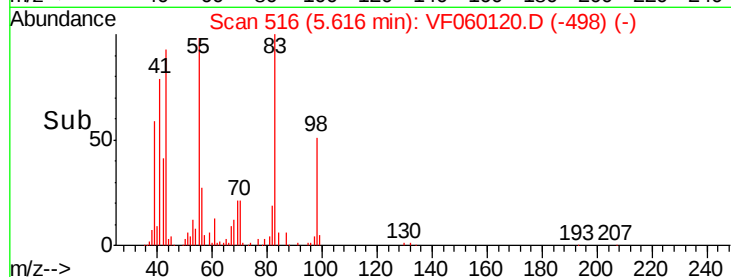
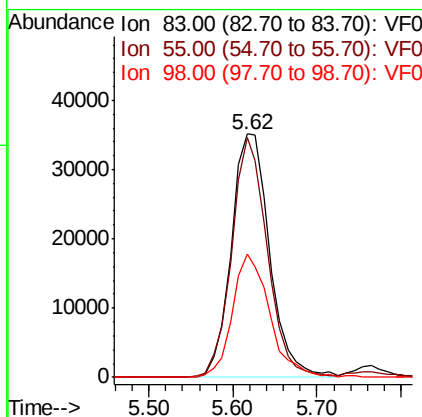
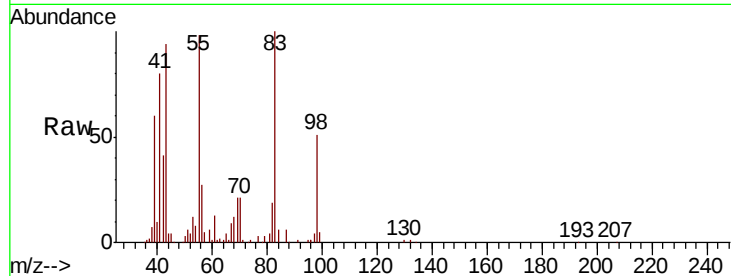
#39
Methvlcvclohexane
Concen: 47.71 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	98.4	62.7	94.1#
98	50.7	33.8	50.8

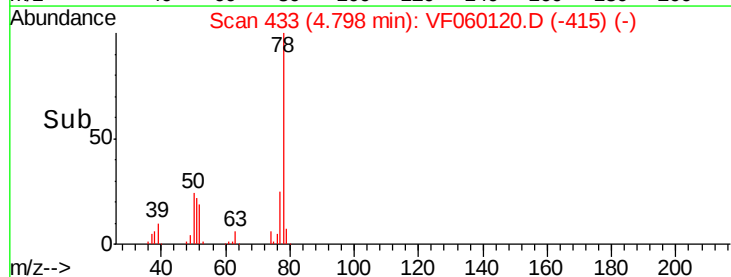
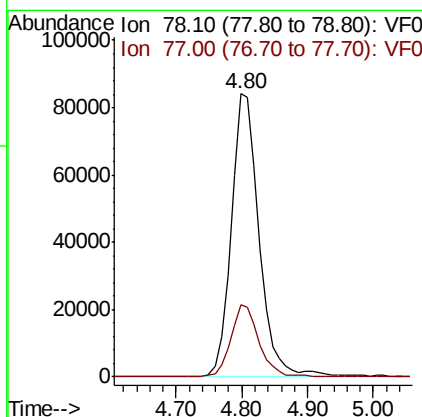
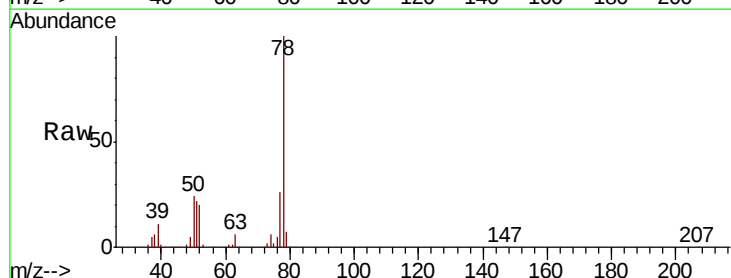
Manual Integrations
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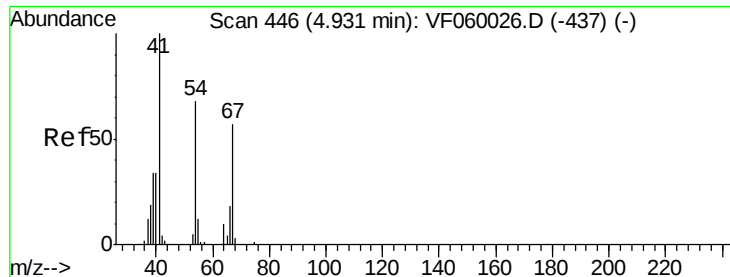
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#40
Benzene
Concen: 45.78 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.02 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.6	19.8	29.6





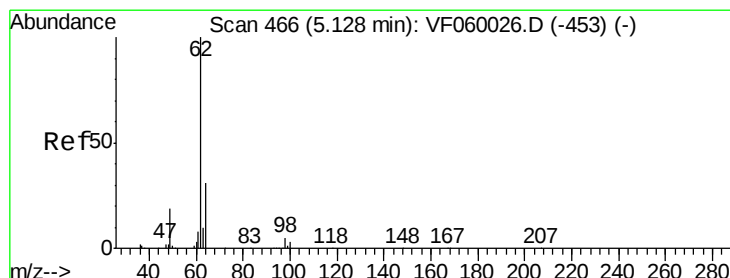
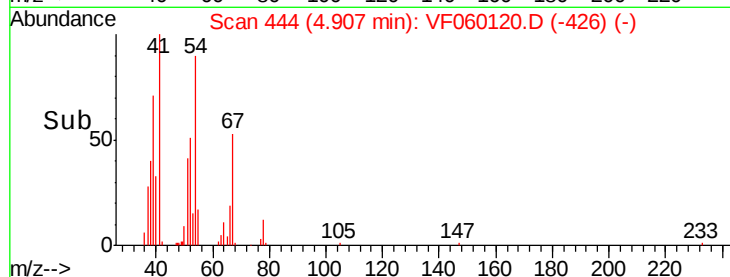
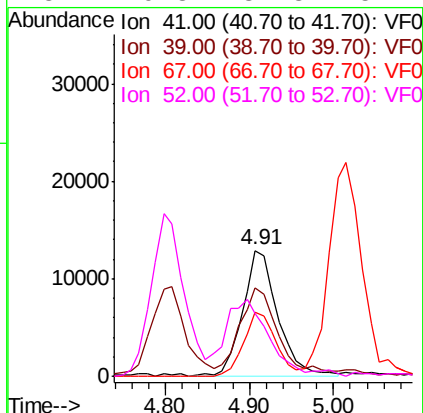
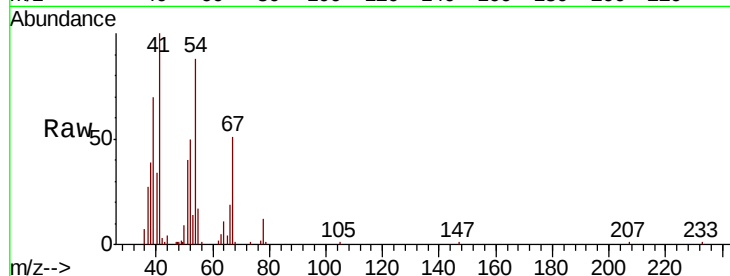
#41
Methacrylonitrile
Concen: 50.32 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.02 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	69.9	52.9	79.3	
67	51.2	45.3	67.9	
52	49.8	34.8	52.2	

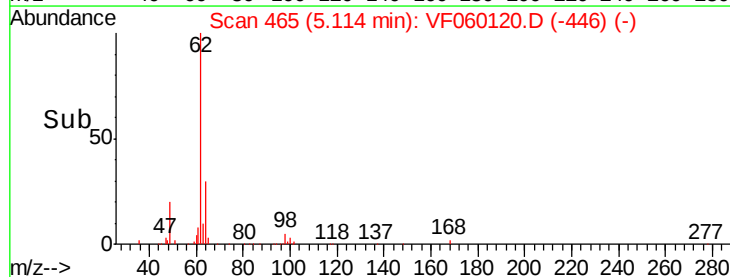
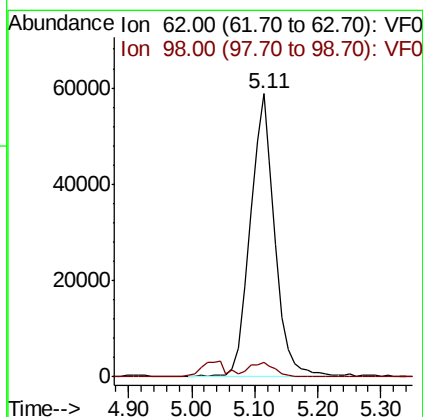
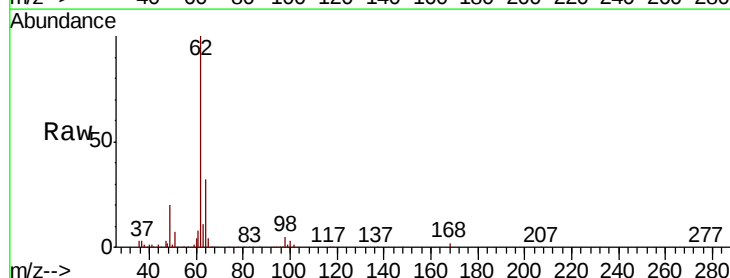
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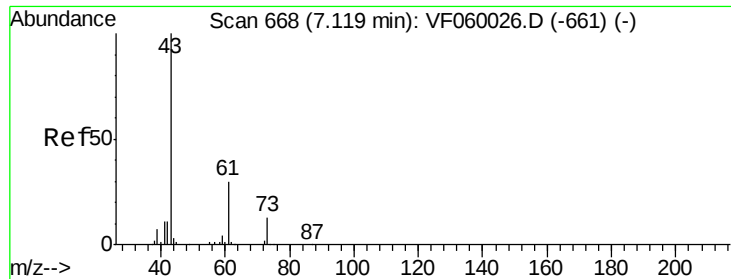
apatel
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#42
1,2-Dichloroethane
Concen: 54.79 ug/l
RT: 5.11 min Scan# 465
Delta R.T. -0.01 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	5.3	0.0	11.2	





#43

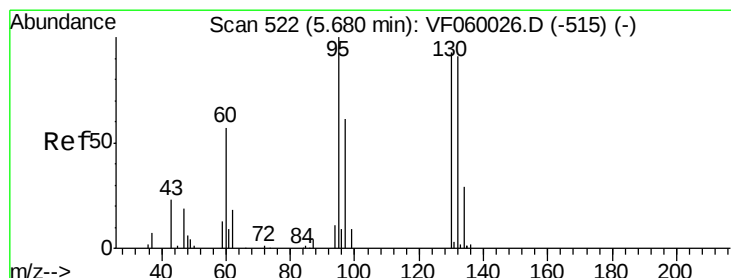
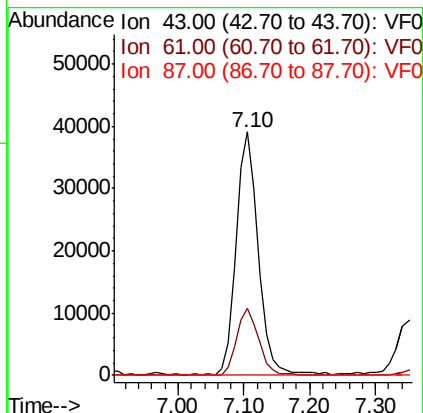
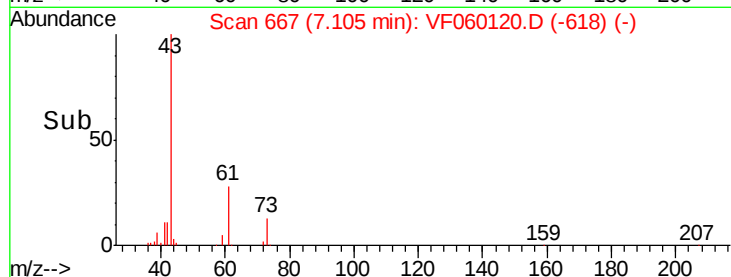
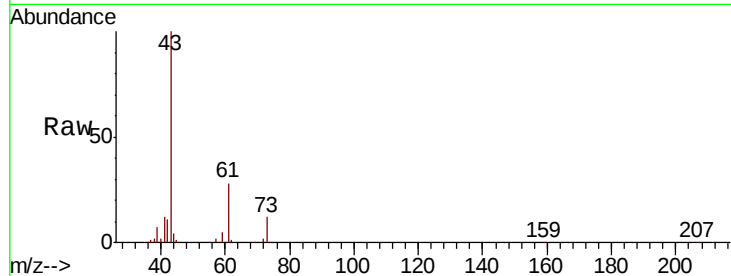
Isopropyl Acetate
 Concen: 49.59 ug/l
 RT: 7.10 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF060120.D
 Acq: 27 Aug 2018 11:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.6	23.8	35.6
87	0.0	0.2	0.4

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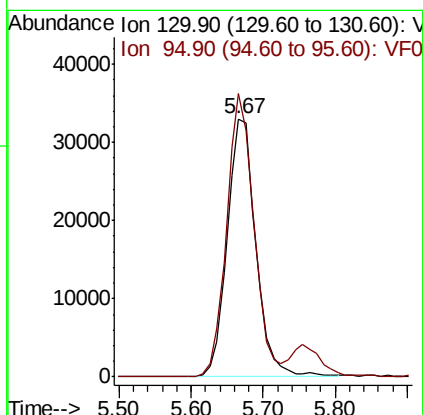
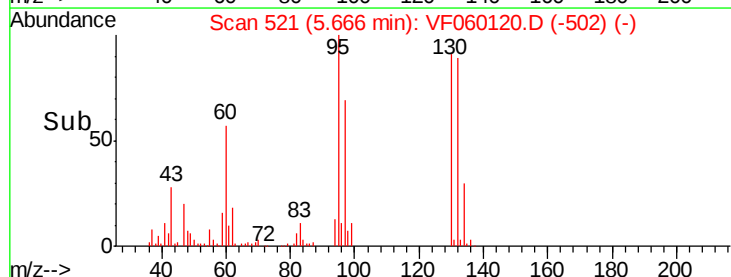
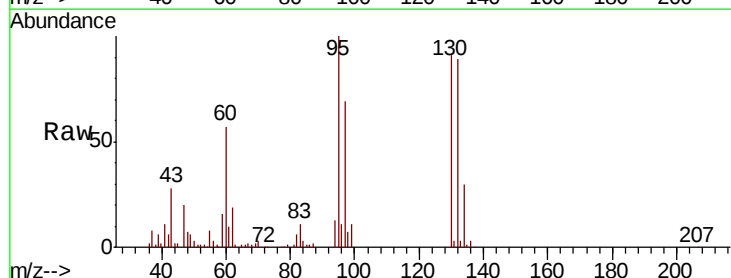
apatel
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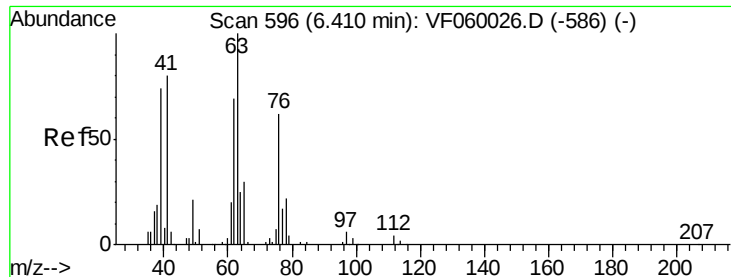


#44

Trichloroethene
 Concen: 50.97 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VF060120.D
 Acq: 27 Aug 2018 11:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	109.7	0.0	215.8





#45

1,2-Dichloropropane

Concen: 49.80 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 76598

Ion Ratio Lower Upper

63 100

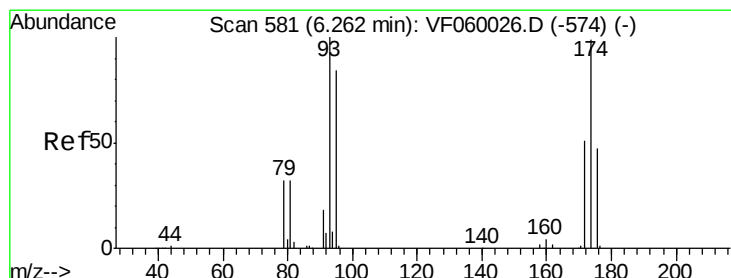
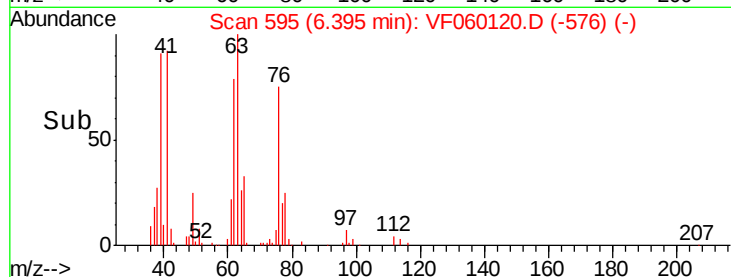
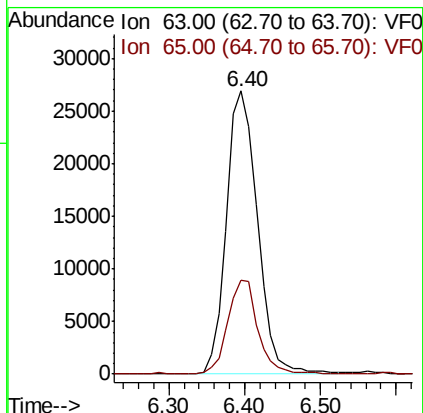
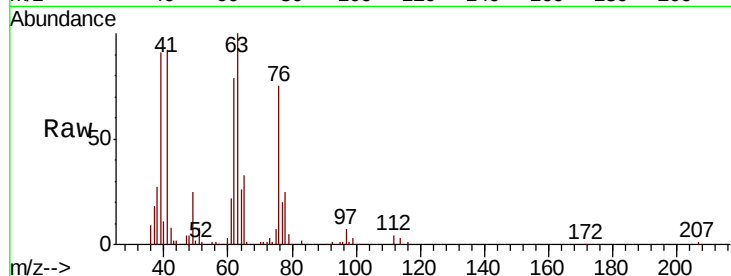
65 33.4 23.8 35.6

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#46

Dibromomethane

Concen: 53.66 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

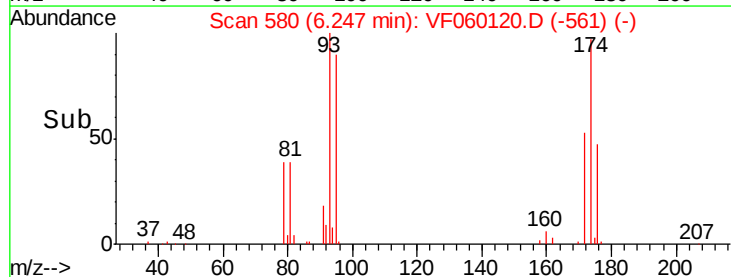
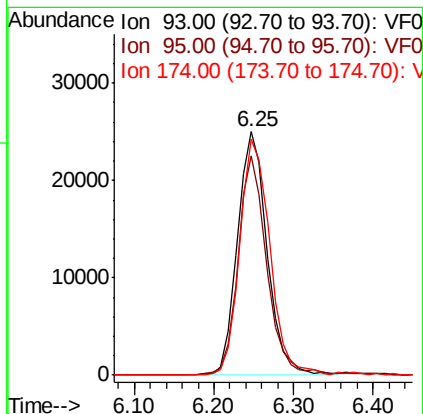
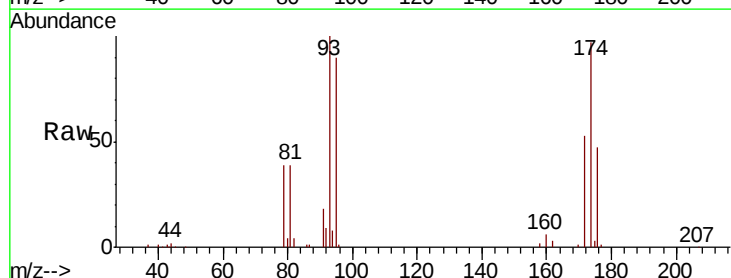
Tgt Ion: 93 Resp: 64585

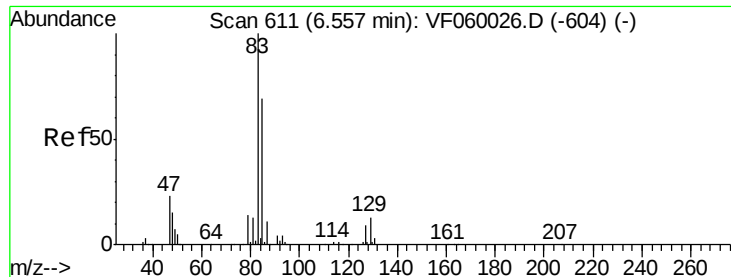
Ion Ratio Lower Upper

93 100

95 90.2 67.1 100.7

174 96.8 79.0 118.4





#47

Bromodichloromethane

Concen: 56.16 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

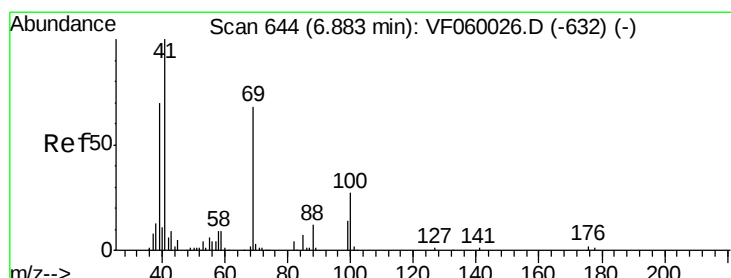
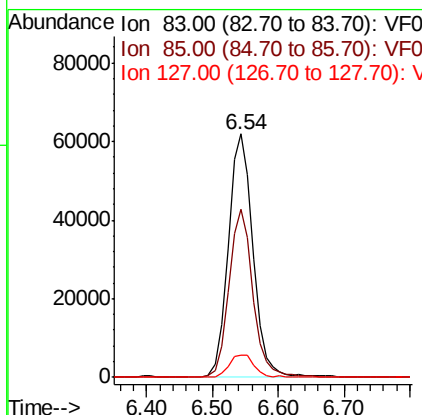
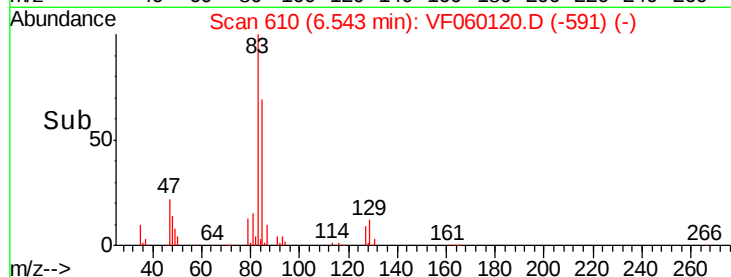
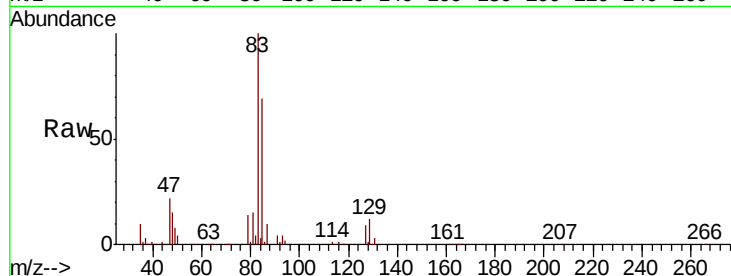
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	163270
Ion	Ratio	Lower	Upper
83	100		
85	68.8	55.2	82.8
127	9.1	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 47.02 ug/l

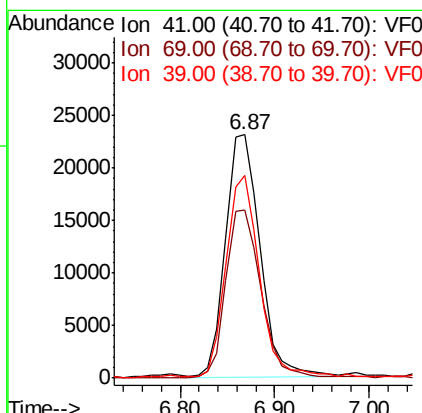
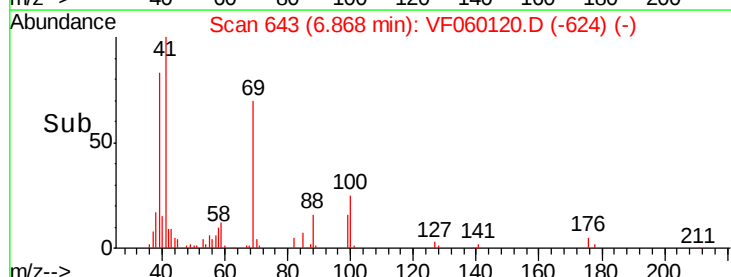
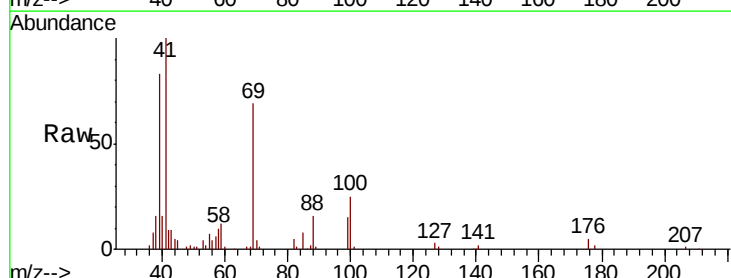
RT: 6.87 min Scan# 643

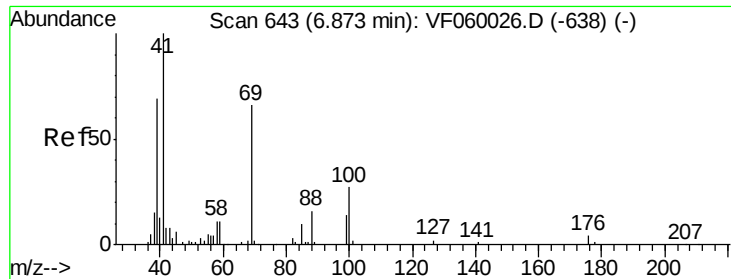
Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Tgt Ion:	41	Resp:	58296
Ion	Ratio	Lower	Upper
41	100		
69	69.1	54.6	81.8
39	83.2	56.5	84.7





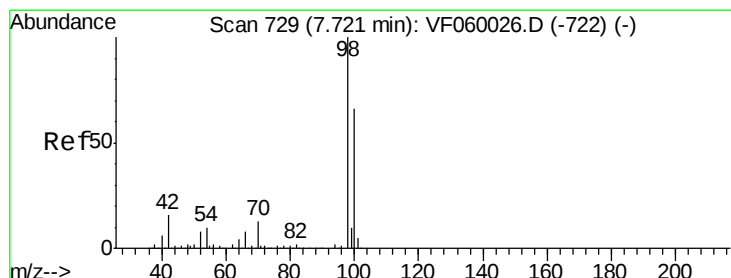
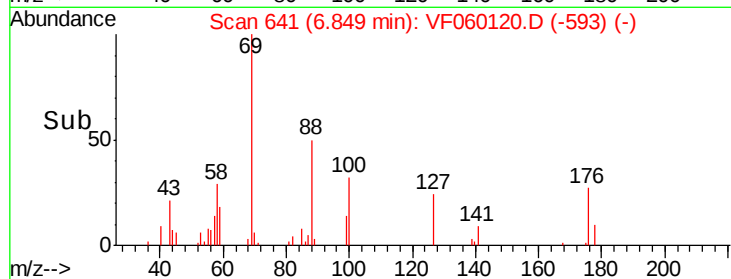
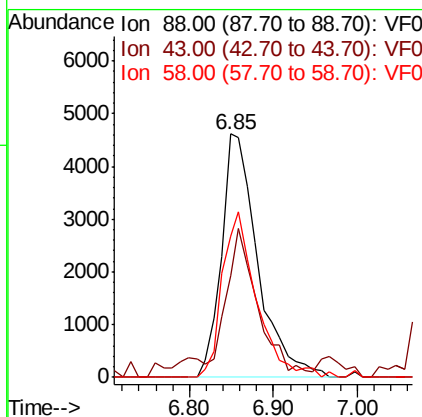
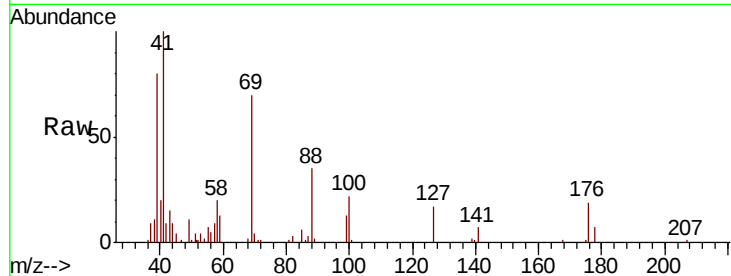
#49
 1,4-Dioxane
 Concen: 1164.65 ug/l
 RT: 6.85 min Scan# 641
 Delta R.T. -0.02 min
 Lab File: VF060120.D
 Acq: 27 Aug 2018 11:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	41.8		46.5	69.7#
58	58.2		54.8	82.2

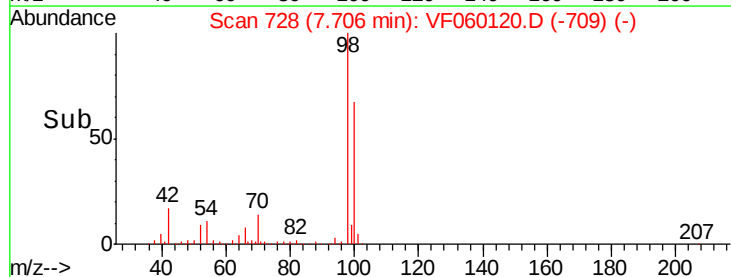
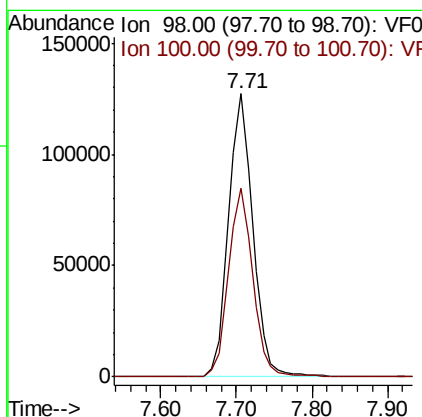
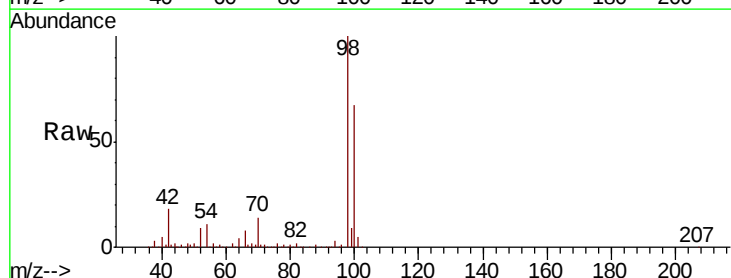
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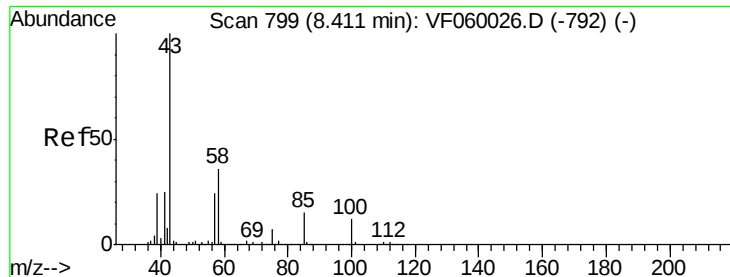
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#50
 Toluene-d8
 Concen: 47.93 ug/l
 RT: 7.71 min Scan# 728
 Delta R.T. -0.01 min
 Lab File: VF060120.D
 Acq: 27 Aug 2018 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	66.7		53.2	79.8





#51

4-Methyl-2-Pentanone

Concen: 250.97 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 406106

Ion Ratio Lower Upper

43 100

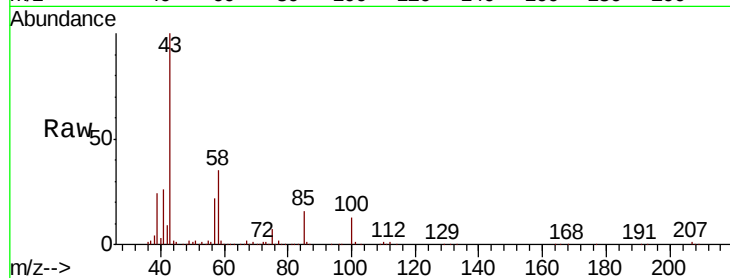
58 34.6 28.6 42.8

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

200000

150000

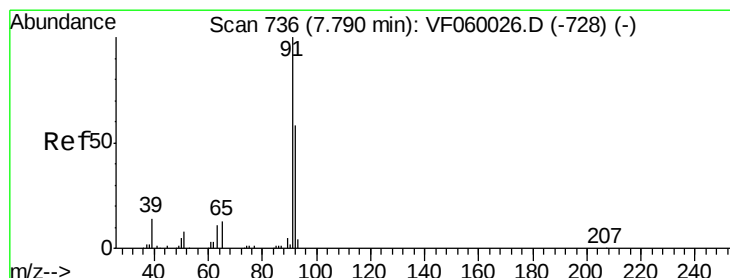
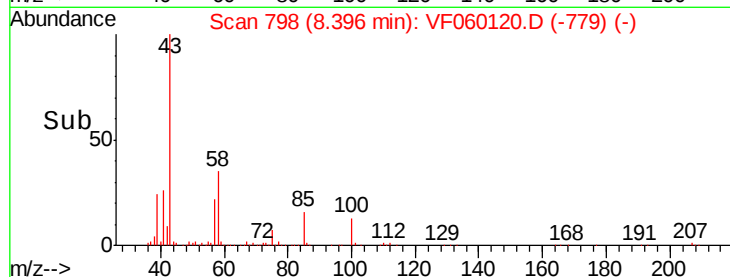
100000

50000

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 57.65 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060120.D

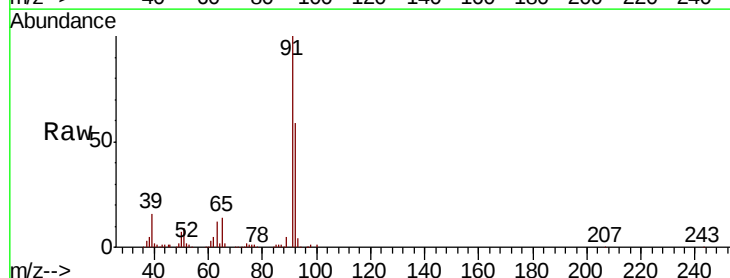
Acq: 27 Aug 2018 11:56

Tgt Ion: 92 Resp: 199027

Ion Ratio Lower Upper

92 100

91 169.3 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

150000

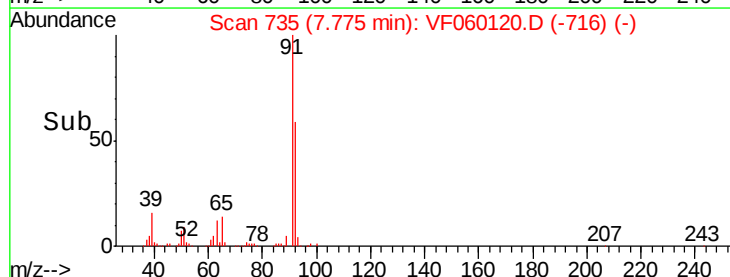
100000

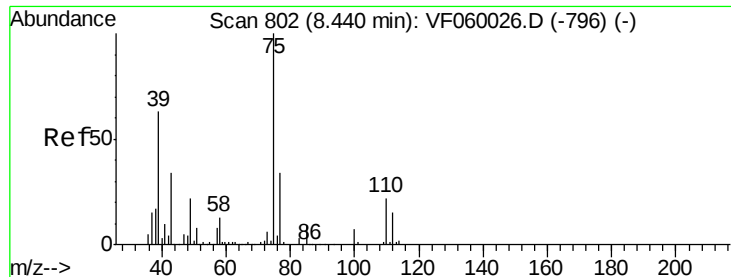
50000

0

7.60 7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 54.39 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 143380

Ion Ratio Lower Upper

75 100

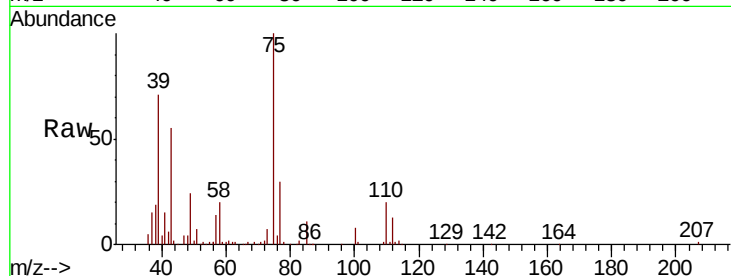
77 30.0 27.4 41.2

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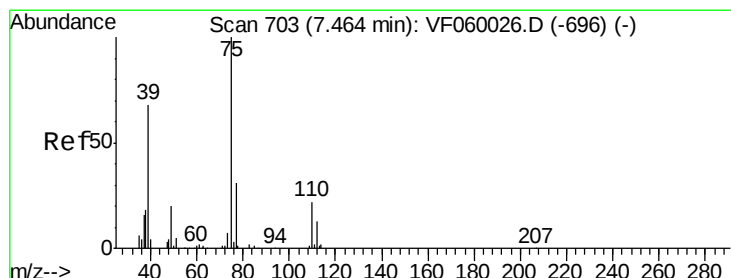
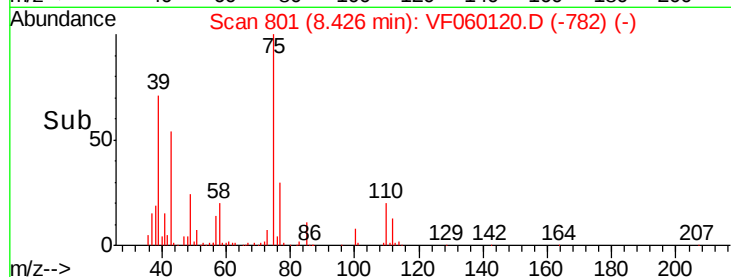
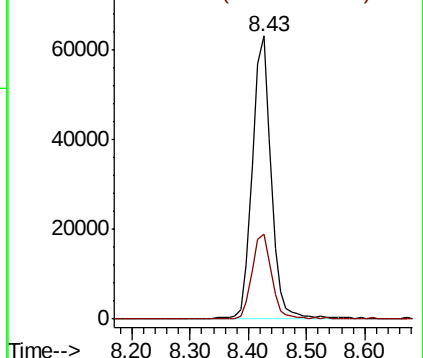
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 53.35 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

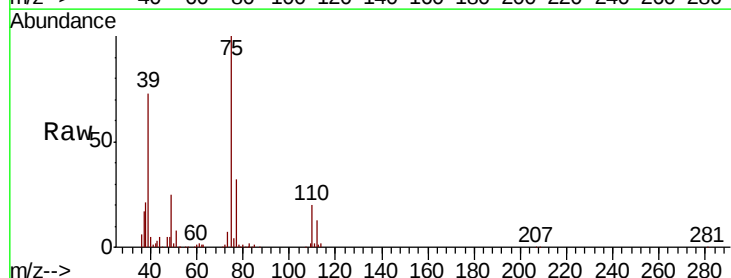
Tgt Ion: 75 Resp: 156982

Ion Ratio Lower Upper

75 100

77 31.9 24.6 37.0

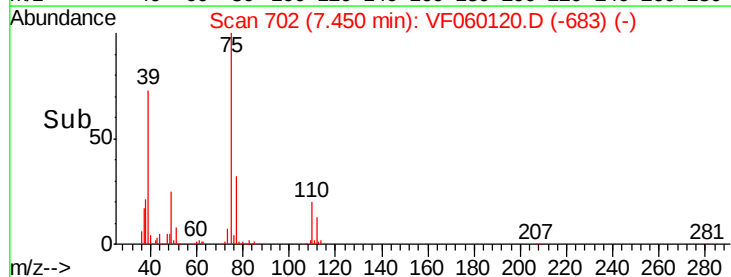
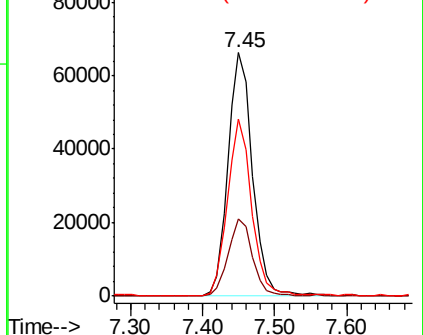
39 73.0 54.6 81.8

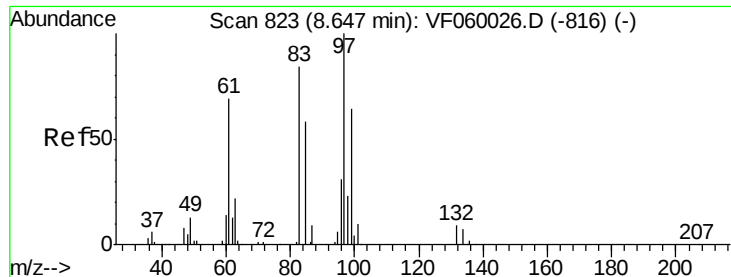


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 52.57 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

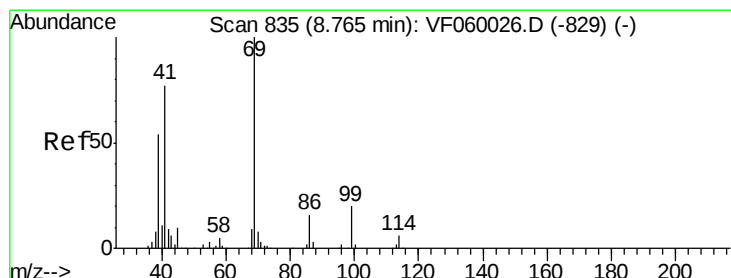
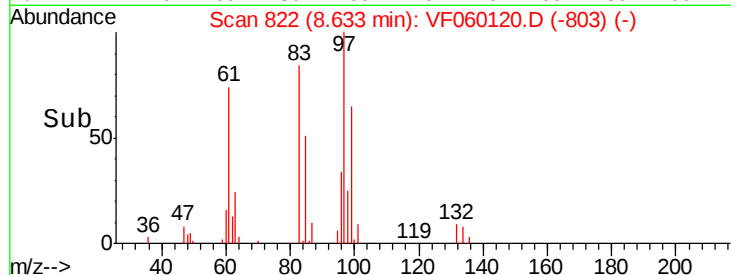
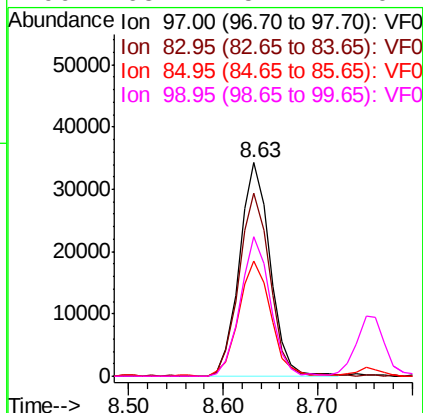
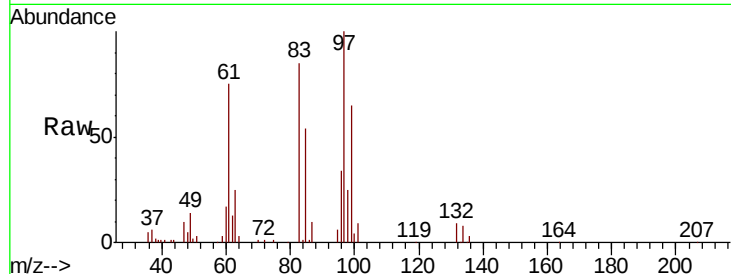
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	77139
Ion	Ratio	Lower	Upper
97	100		
83	85.4	67.4	101.2
85	53.8	46.2	69.2
99	65.1	51.1	76.7

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#56

Ethyl methacrylate

Concen: 53.10 ug/l

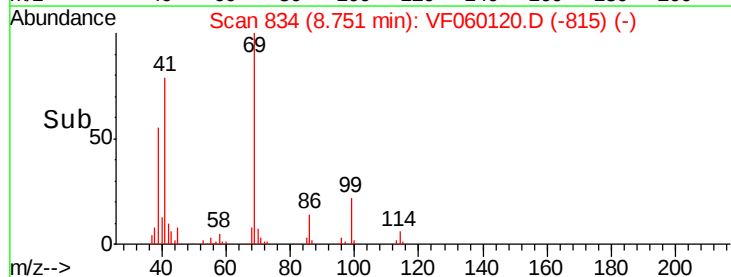
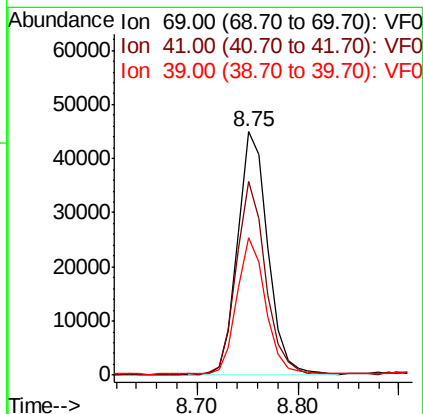
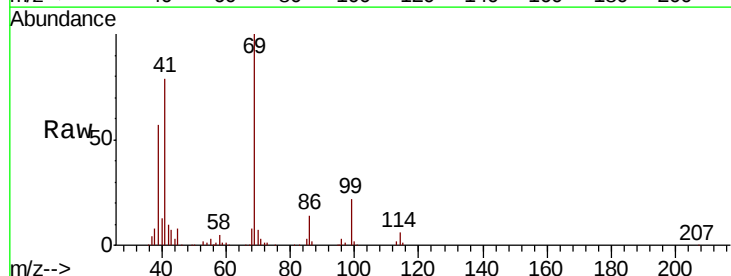
RT: 8.75 min Scan# 834

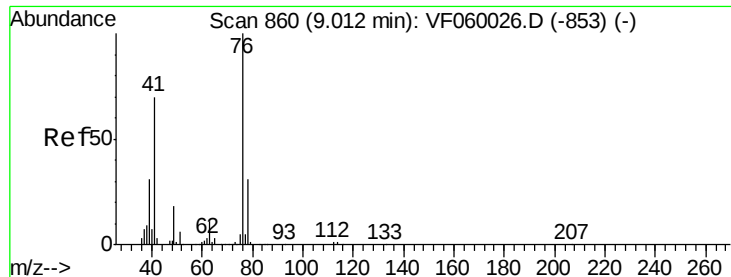
Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Tgt Ion:	69	Resp:	94311
Ion	Ratio	Lower	Upper
69	100		
41	79.4	61.6	92.4
39	56.5	43.9	65.9





#57

1,3-Dichloropropane

Concen: 51.67 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 133257

Ion Ratio Lower Upper

76 100

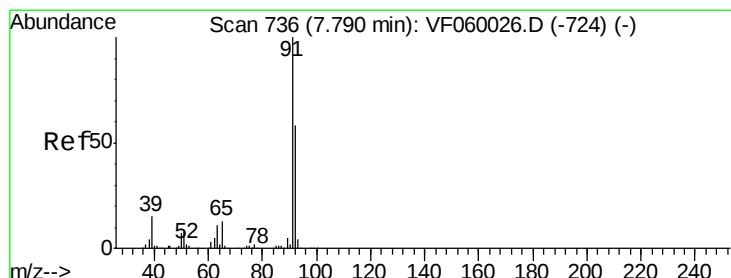
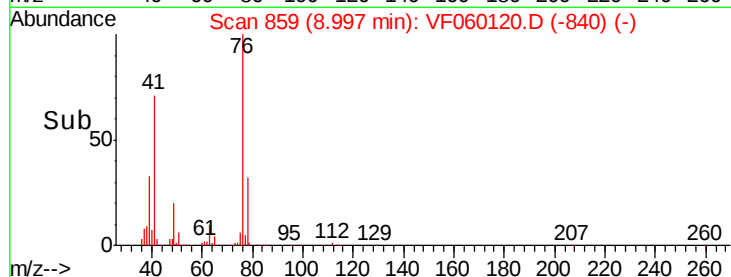
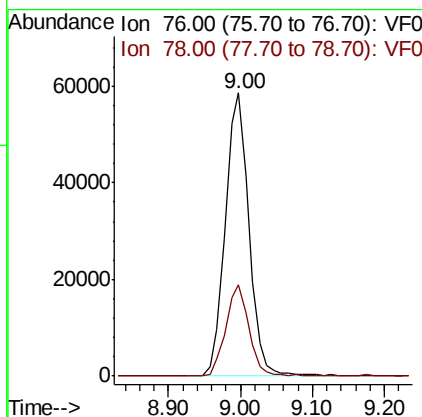
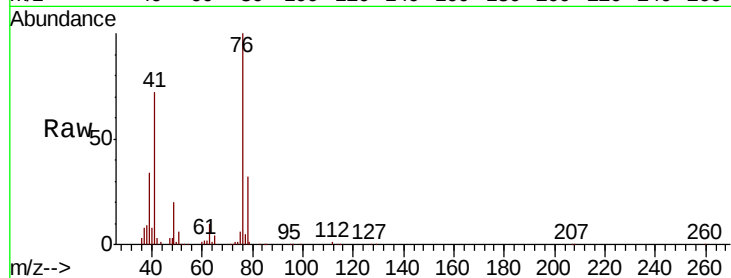
78 32.2 25.2 37.8

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#58

2-Chloroethyl Vinyl ether

Concen: 268.60 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060120.D

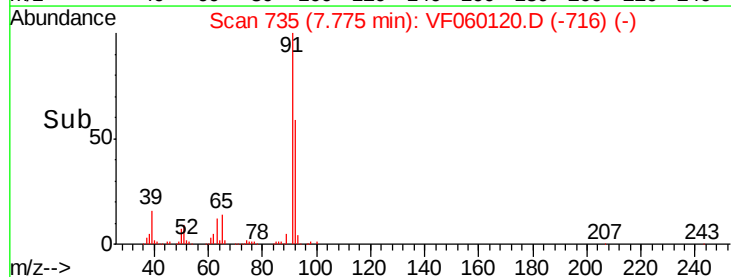
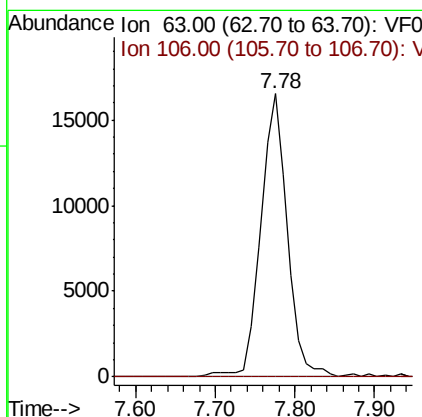
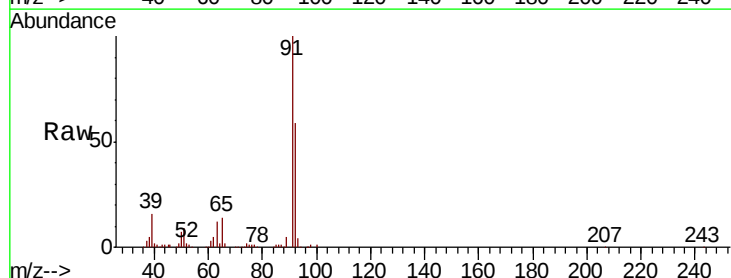
Acq: 27 Aug 2018 11:56

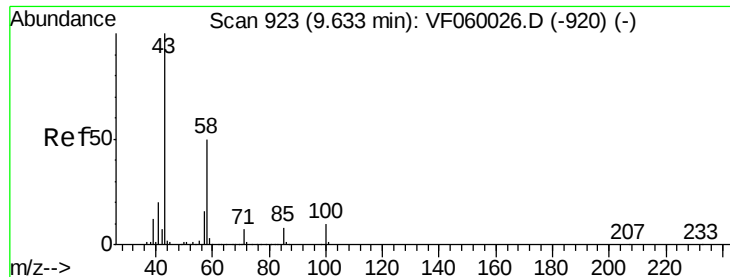
Tgt Ion: 63 Resp: 37866

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





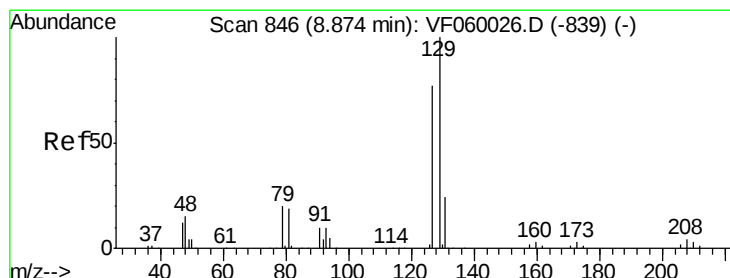
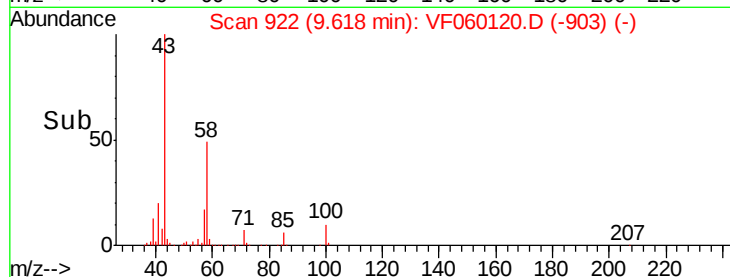
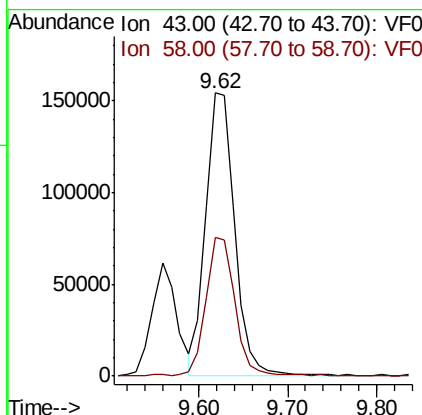
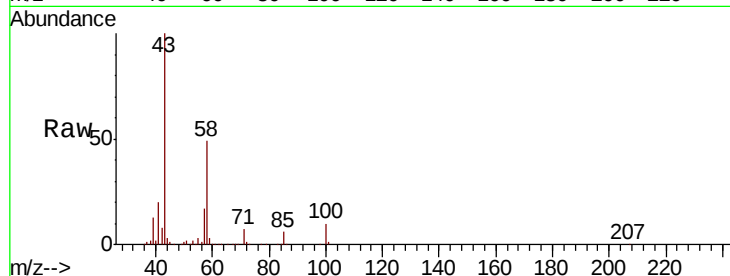
#59
2-Hexanone
Concen: 263.78 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.2	23.4	70.2

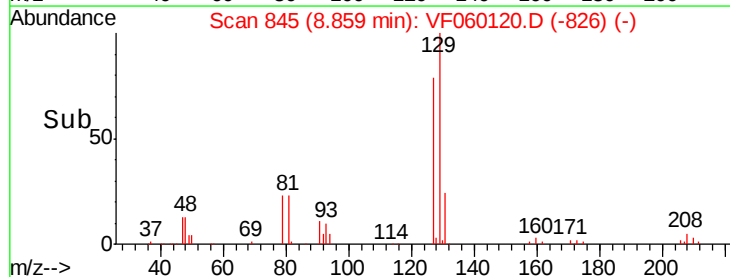
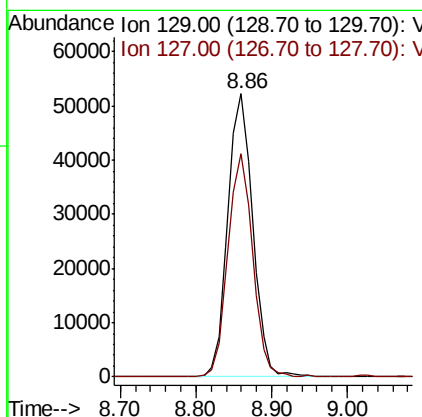
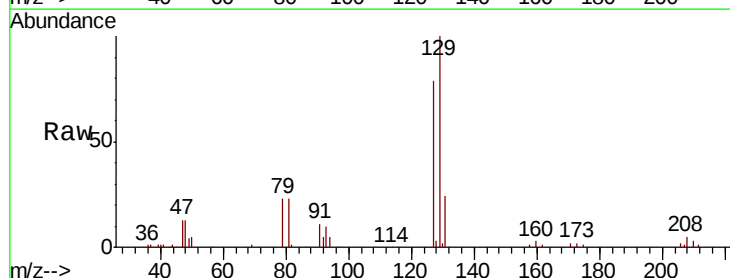
Manual Integrations
APPROVED

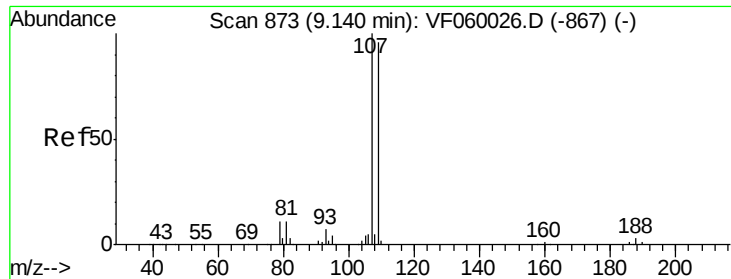
apatel
8/28/2018 2:04:14 PM



#60
Dibromochloromethane
Concen: 54.99 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.01 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.1	38.6	115.8





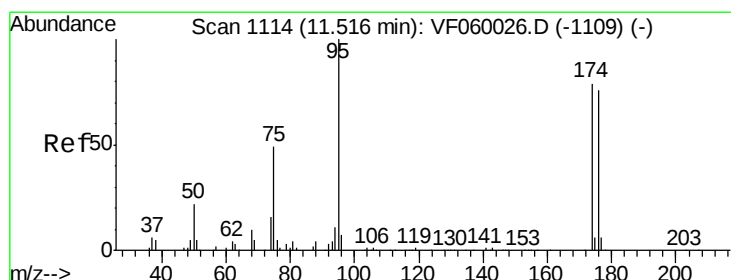
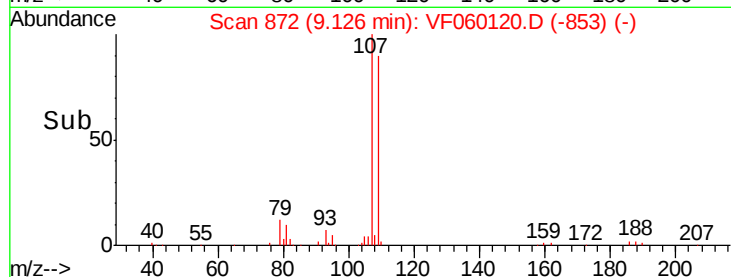
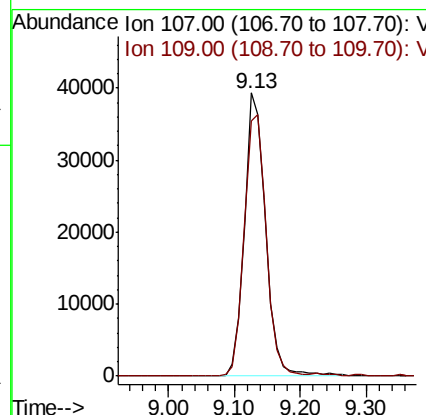
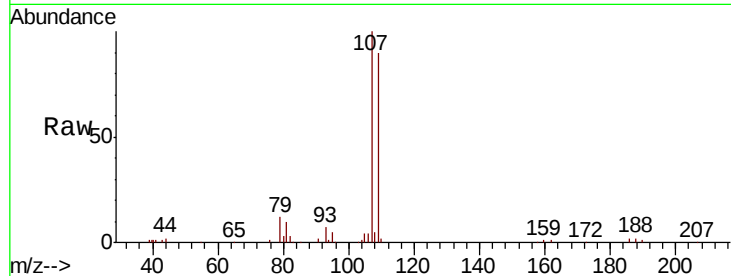
#61
 1,2-Dibromoethane
 Concen: 51.76 ug/l
 RT: 9.13 min Scan# 872
 Delta R.T. -0.01 min
 Lab File: VF060120.D
 Acq: 27 Aug 2018 11:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.0	76.5	114.7

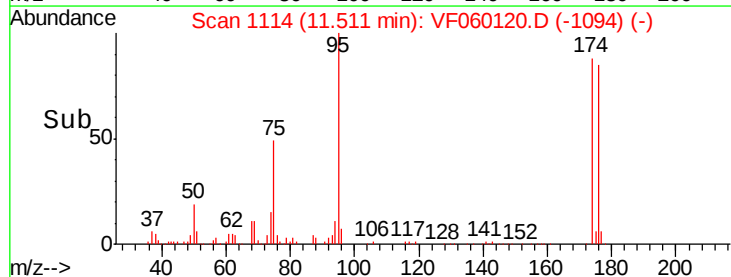
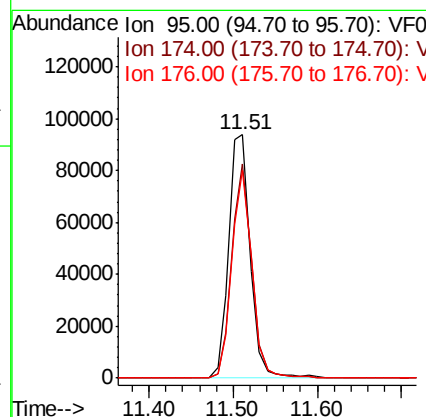
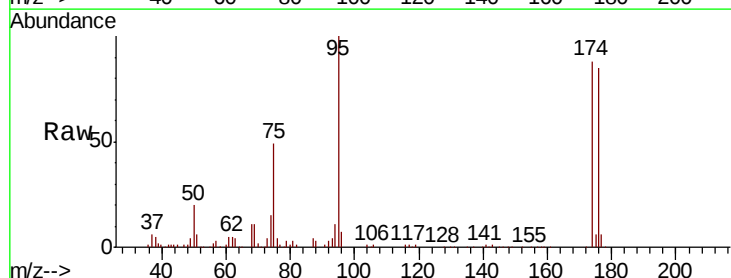
Manual Integrations
 APPROVED

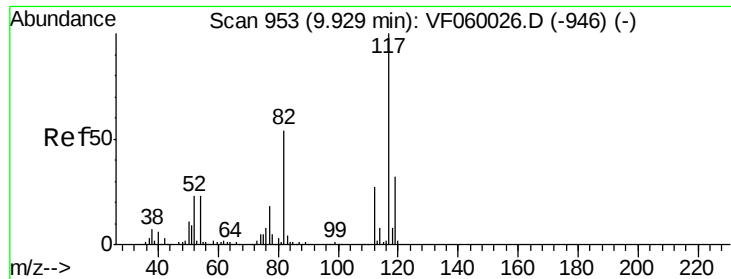
apatel
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#62
 4-Bromofluorobenzene
 Concen: 53.52 ug/l
 RT: 11.51 min Scan# 1114
 Delta R.T. -0.00 min
 Lab File: VF060120.D
 Acq: 27 Aug 2018 11:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.8	0.0	158.4
176	85.4	0.0	153.0





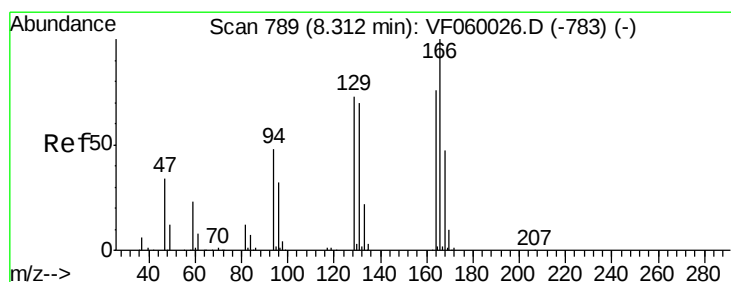
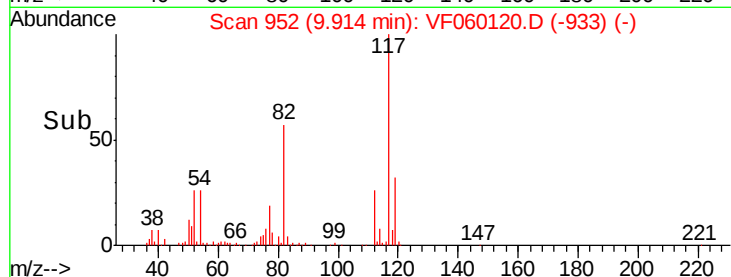
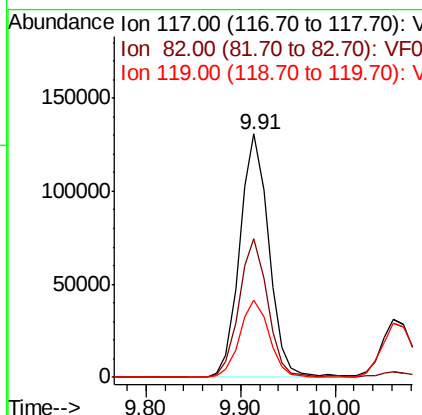
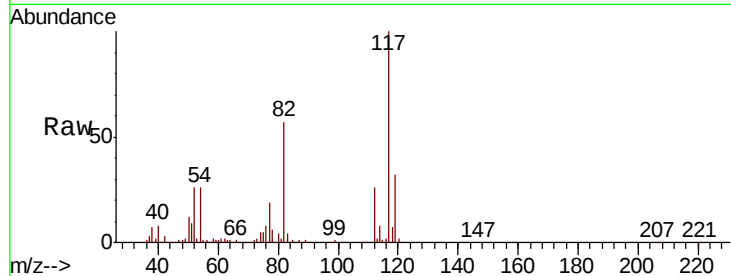
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.0	43.6	65.4
119	31.9	25.6	38.4

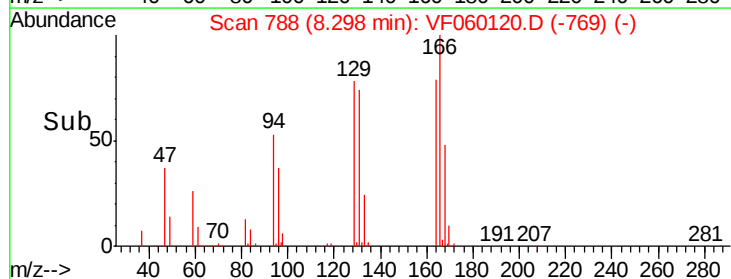
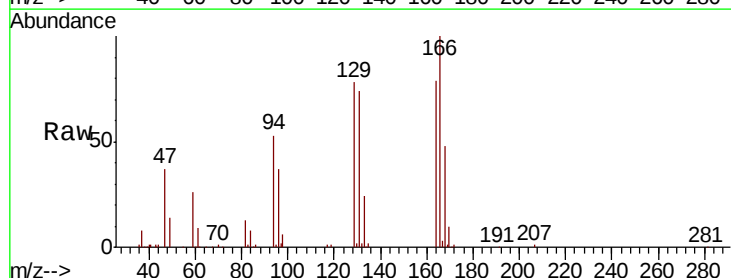
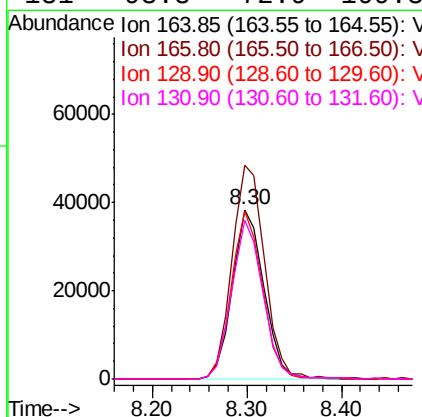
Manual Integrations
APPROVED

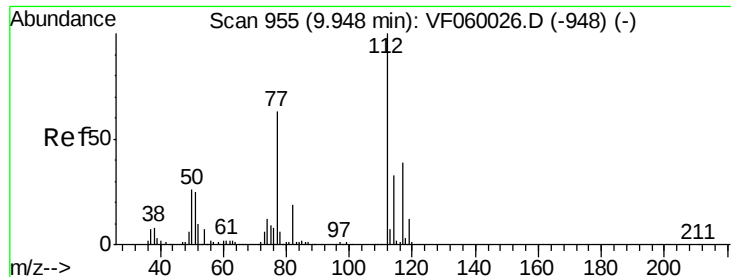
apatel
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#64
Tetrachloroethene
Concen: 47.31 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.1	104.7	157.1
129	98.7	77.0	115.4
131	93.8	72.9	109.3





#65

Chlorobenzene

Concen: 50.82 ug/l

RT: 9.93 min Scan# 954

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 267803

Ion Ratio Lower Upper

112 100

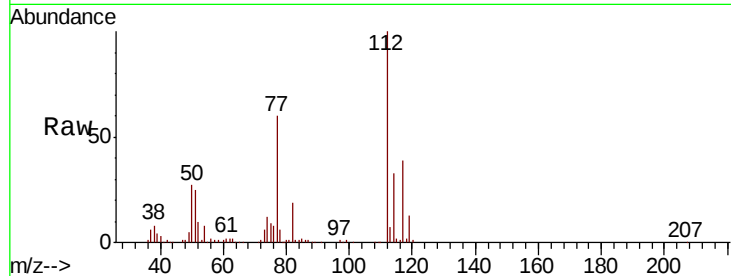
114 32.8 26.2 39.2

Manual Integrations

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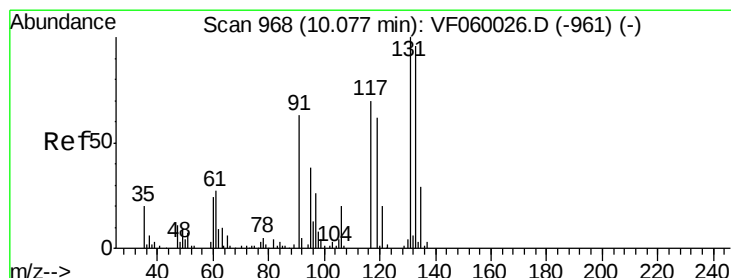
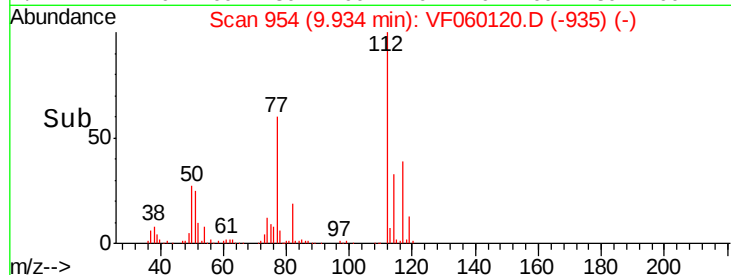
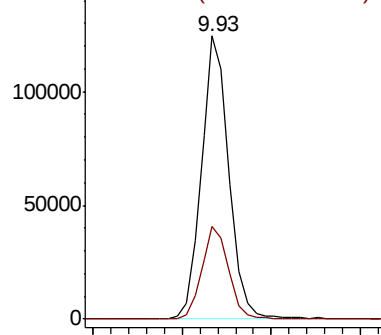
apatel

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.67 ug/l

RT: 10.06 min Scan# 967

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

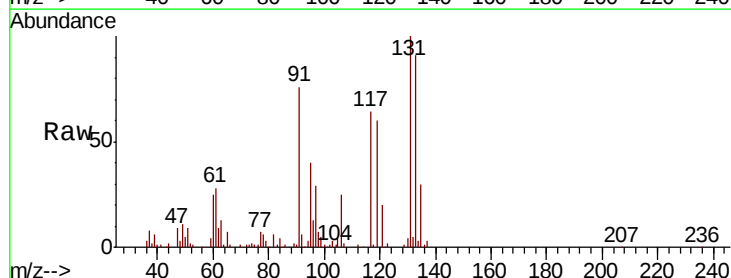
Tgt Ion:131 Resp: 107275

Ion Ratio Lower Upper

131 100

133 90.9 48.2 144.6

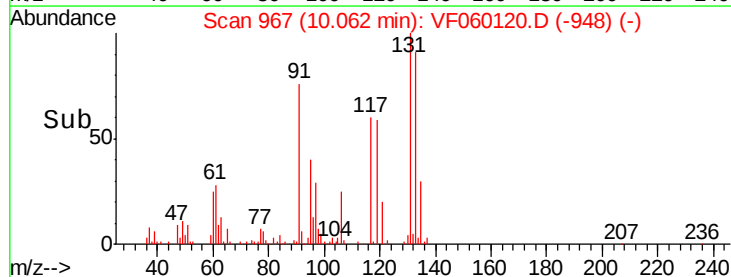
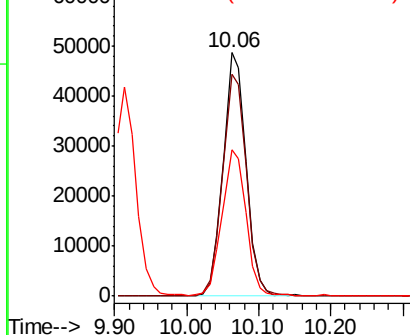
119 59.9 31.4 94.2

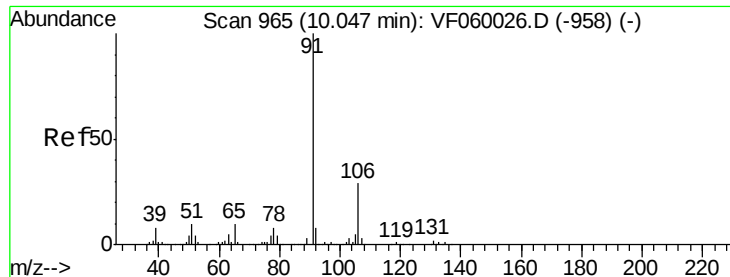


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





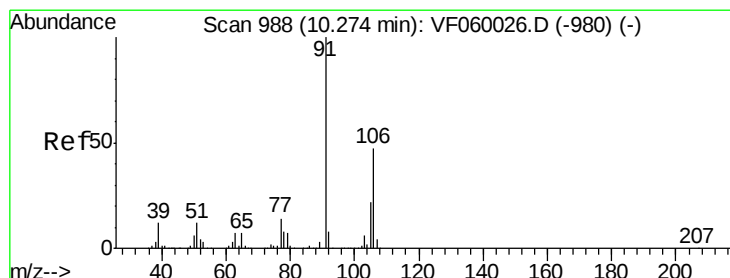
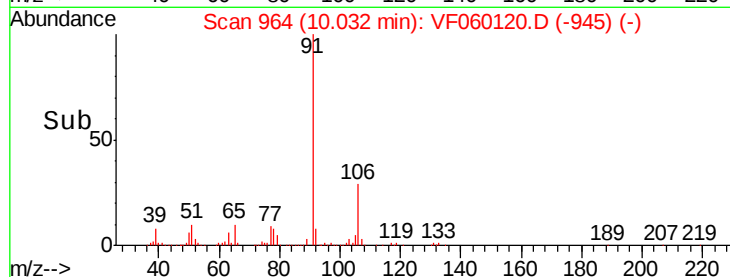
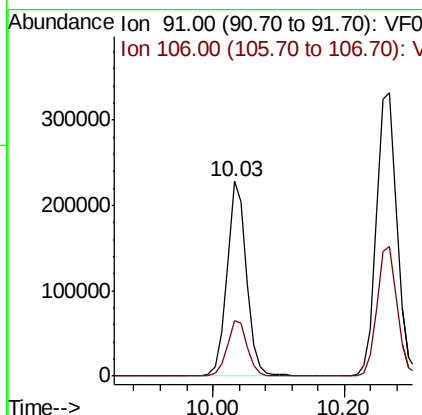
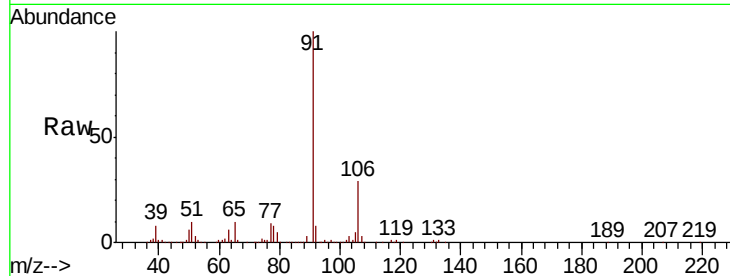
#67
Ethyl Benzene
Concen: 52.47 ug/l
RT: 10.03 min Scan# 964
Delta R.T. -0.01 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	91	Resp	477097
Ion Ratio	100	Lower	Upper
106	28.7	23.6	35.4

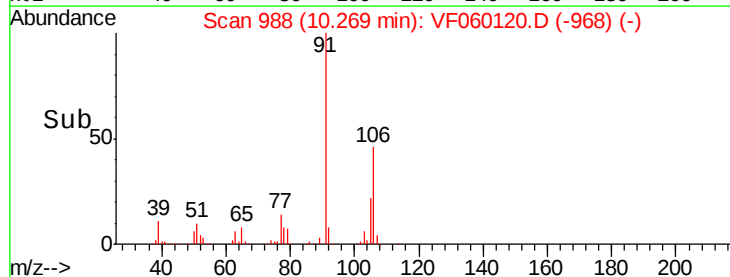
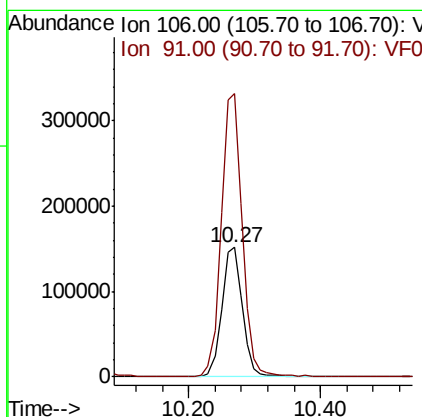
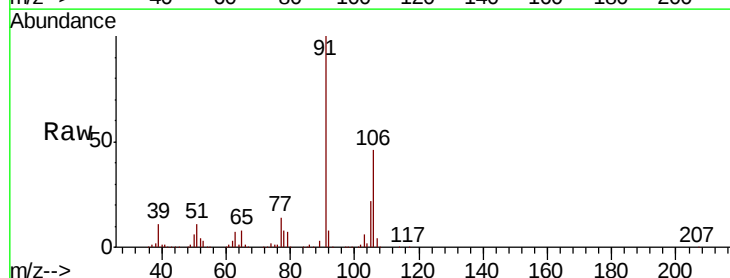
Manual Integrations
APPROVED

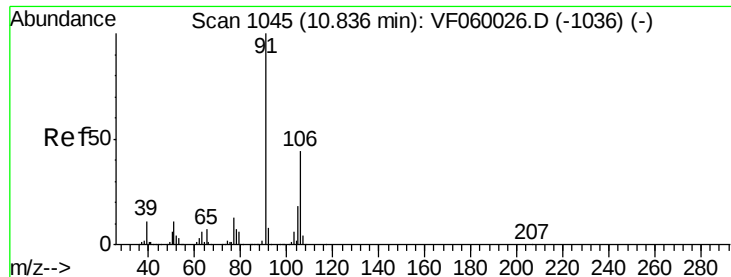
apatel
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#68
m/p-Xylenes
Concen: 114.13 ug/l
RT: 10.27 min Scan# 988
Delta R.T. -0.00 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Tgt Ion	106	Resp	334586
Ion Ratio	100	Lower	Upper
91	218.4	171.8	257.8





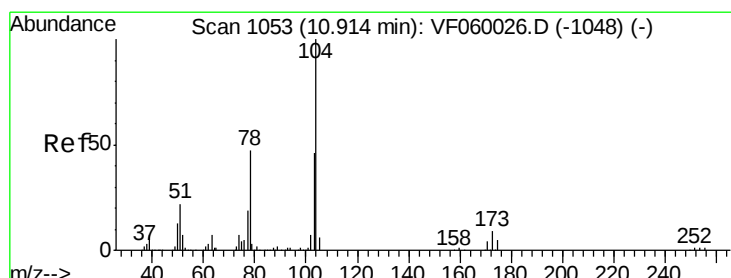
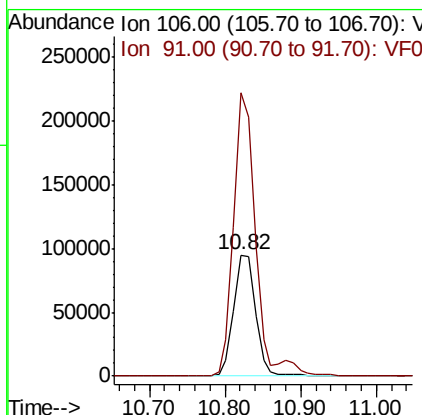
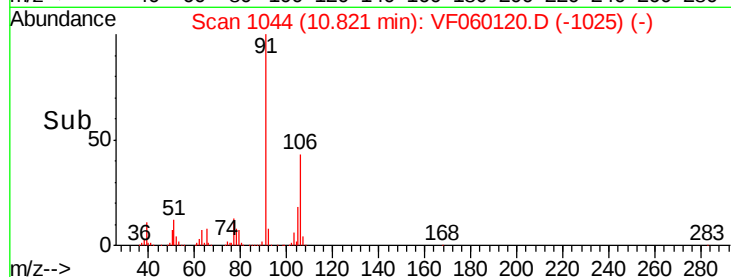
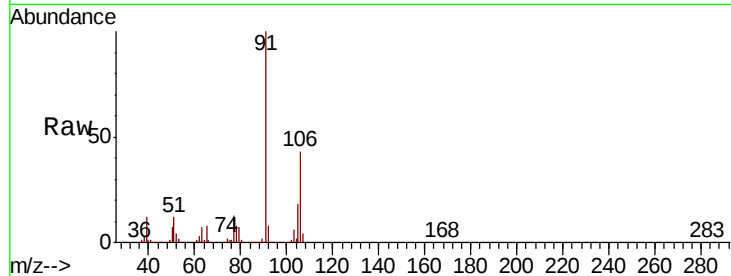
#69
o-Xylene
Concen: 53.50 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		190588		
91	233.5	112.5	337.5		

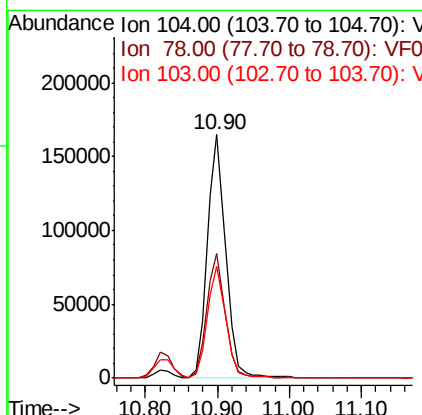
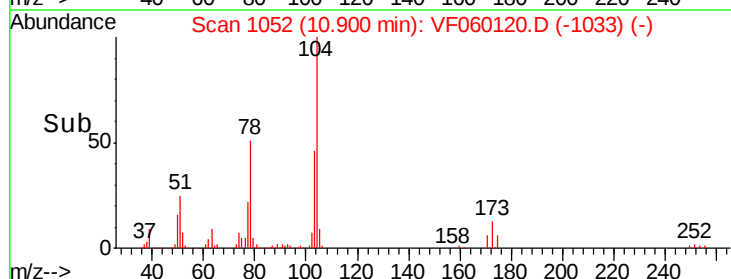
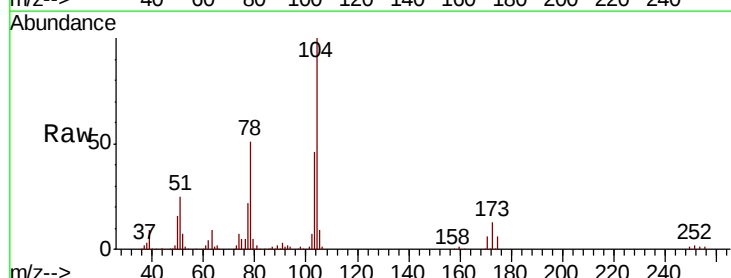
Manual Integrations
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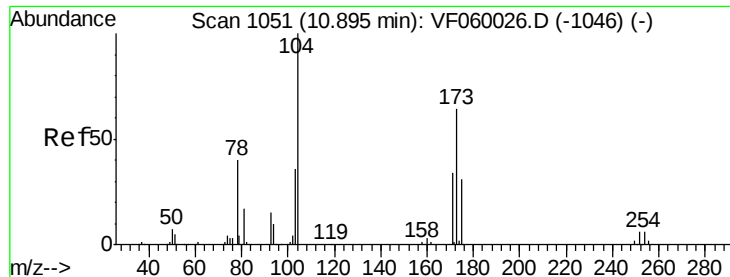
apatel
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#70
Styrene
Concen: 52.65 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		287781		
78	51.1	38.0	57.0		
103	45.9	37.6	56.4		





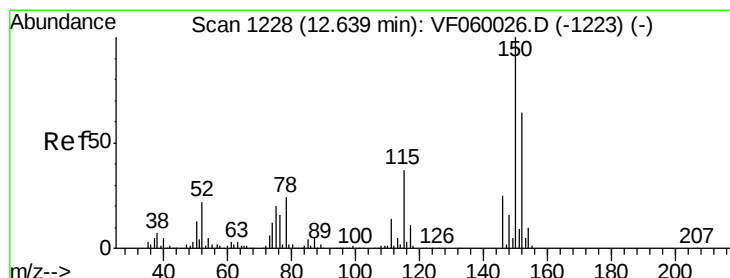
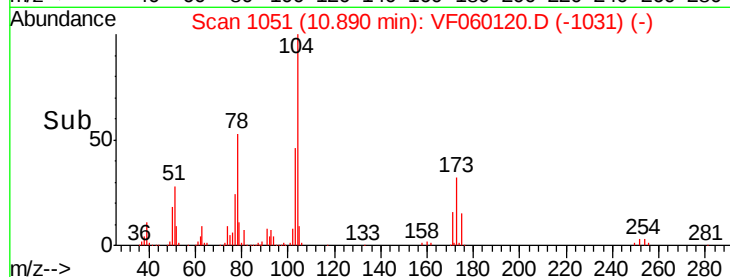
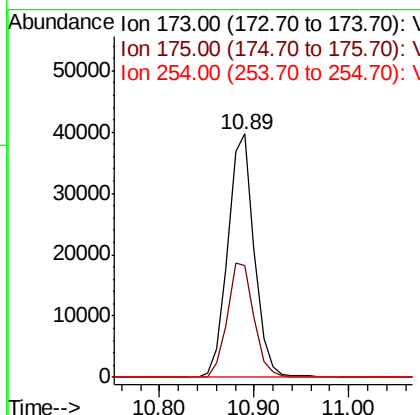
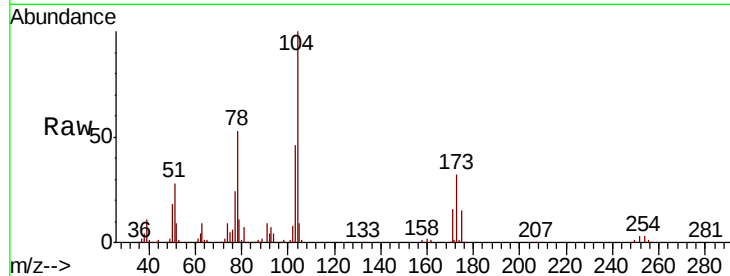
#71
Bromoform
Concen: 55.09 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	45.0	24.7	74.1
254	0.0	0.0	0.0

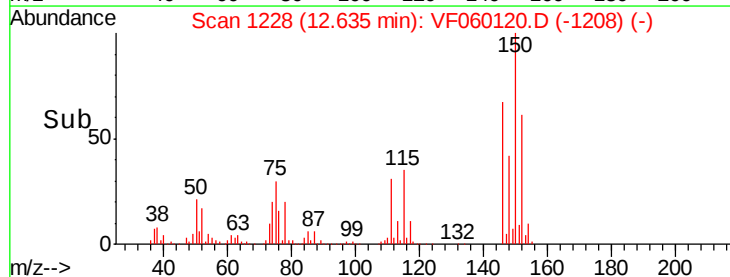
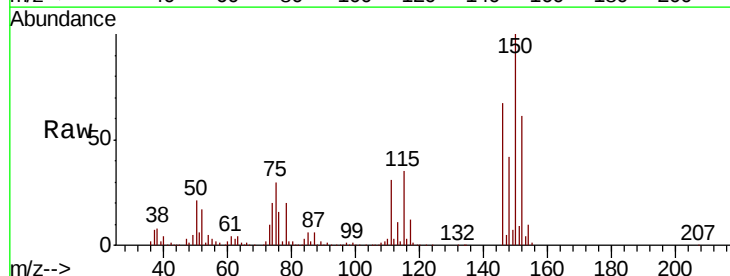
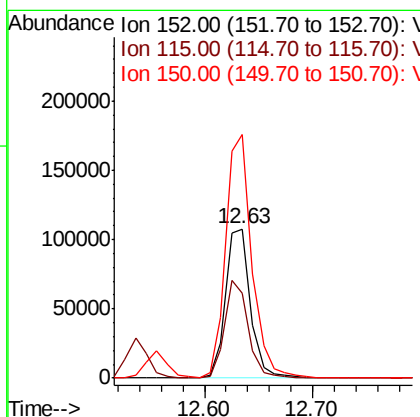
Manual Integrations
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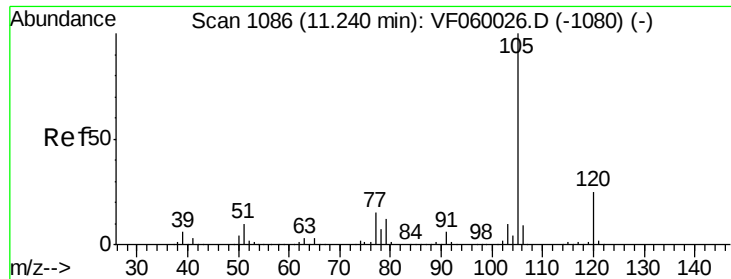
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.6	85.9
150	163.2	0.0	312.0





#73

Isopropylbenzene

Concen: 51.36 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 535856

Ion Ratio Lower Upper

105 100

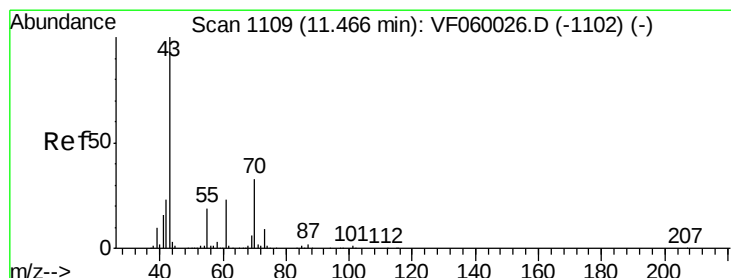
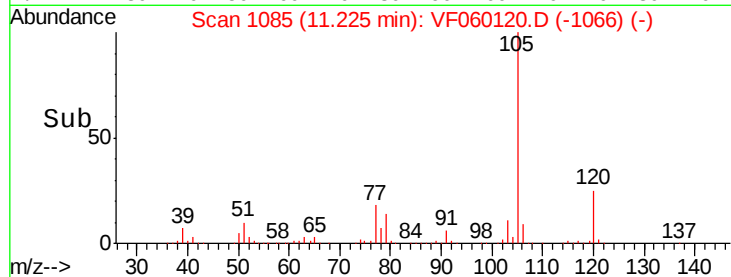
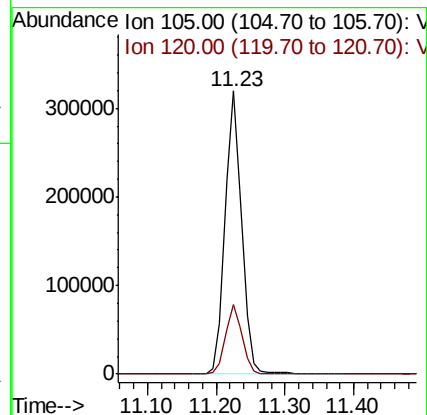
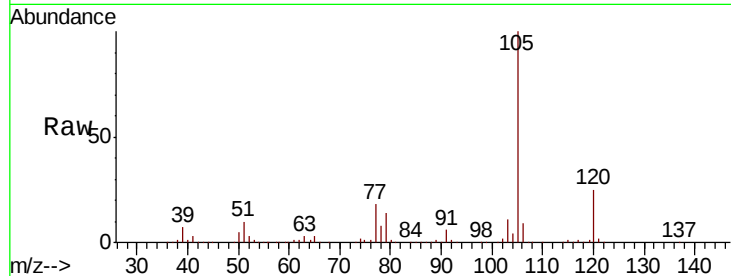
120 24.6 12.7 38.0

Manual Integrations

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#74

N-ethyl acetate

Concen: 50.60 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Tgt Ion: 43 Resp: 164096

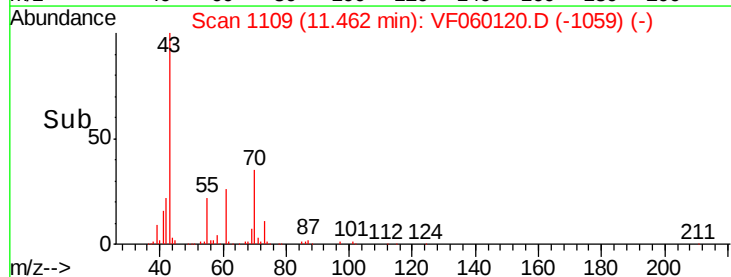
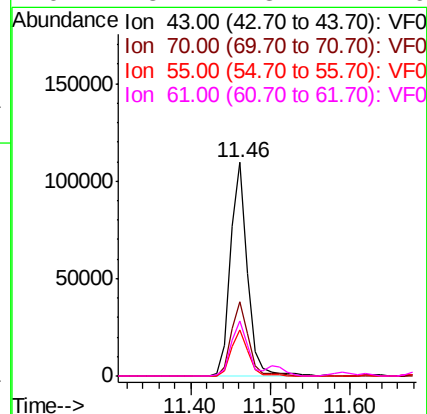
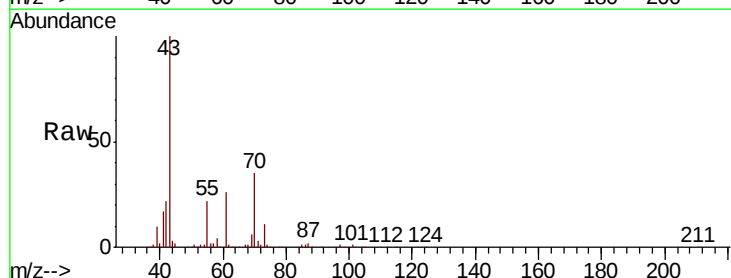
Ion Ratio Lower Upper

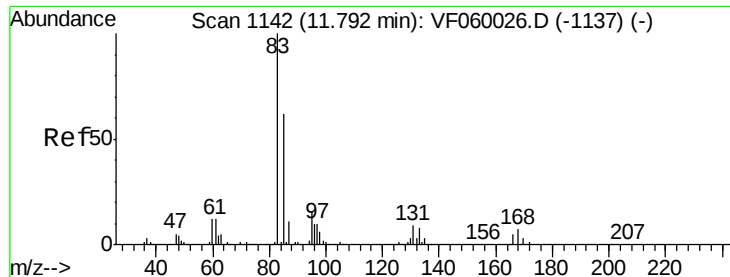
43 100

70 34.9 26.4 39.6

55 21.6 15.0 22.4

61 25.7 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.99 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

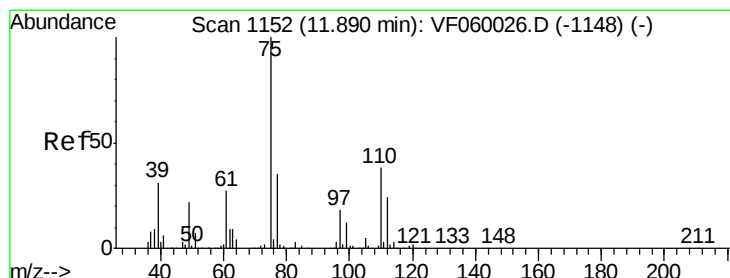
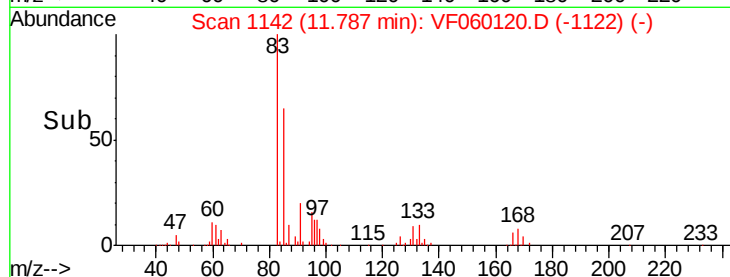
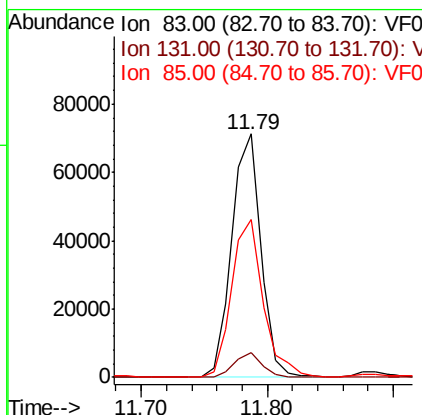
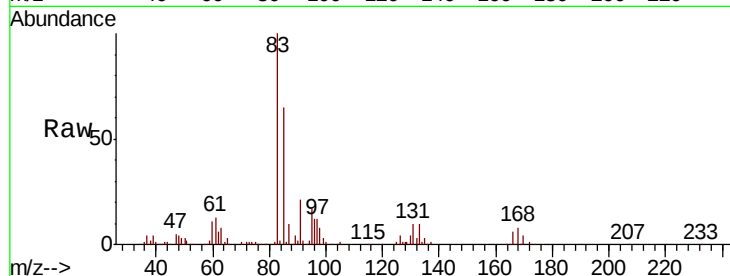
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	113901
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.5	13.7
85	64.8	31.3	93.9

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#76

1,2,3-Trichloropropane

Concen: 49.25 ug/l

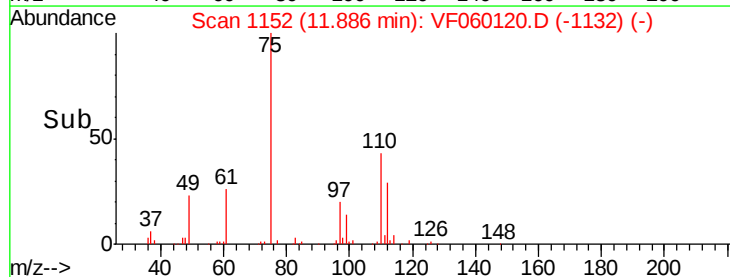
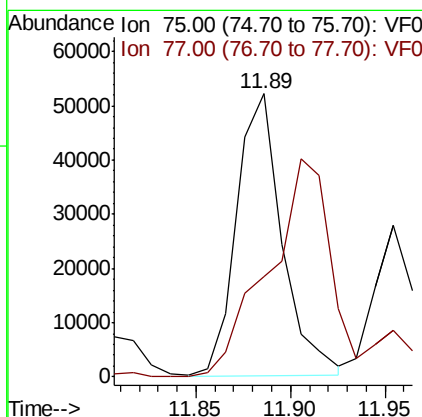
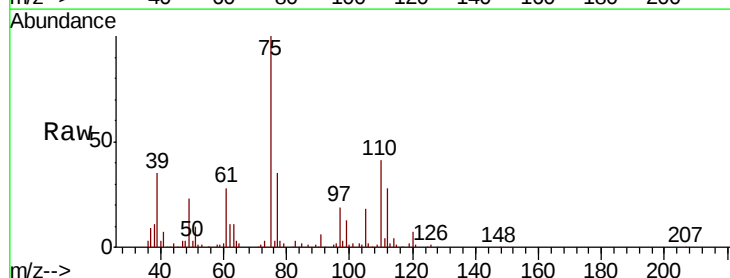
RT: 11.89 min Scan# 1152

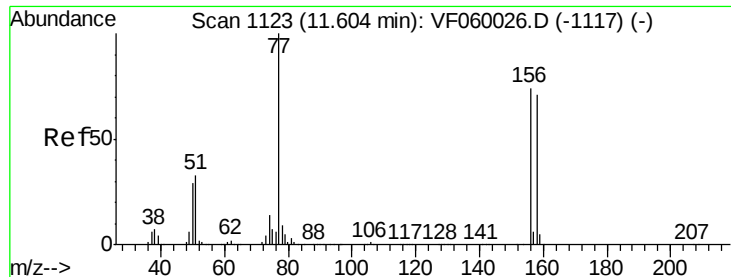
Delta R.T. -0.00 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Tgt Ion:	75	Resp:	87026
Ion Ratio	Lower	Upper	
75	100		
77	35.4	17.3	52.0





#77

Bromobenzene

Concen: 50.46 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

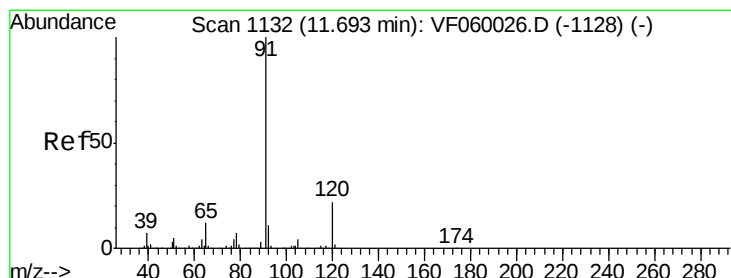
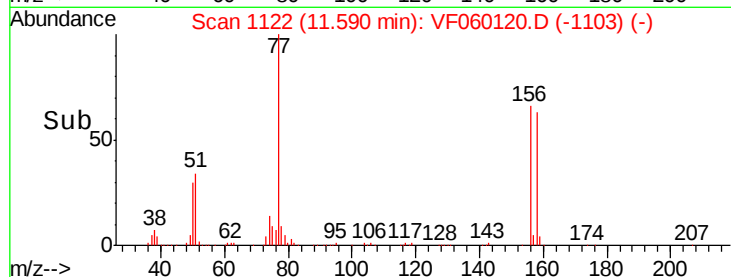
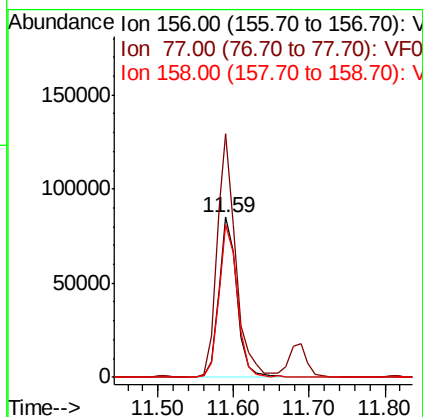
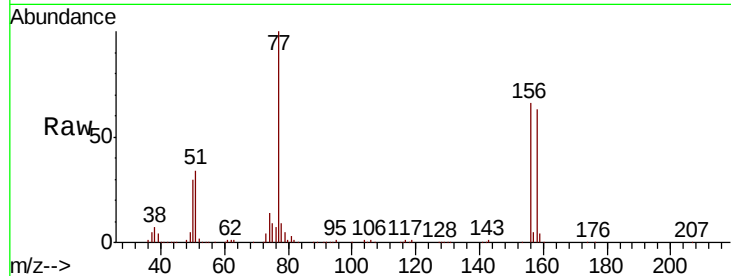
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	152.0	68.0	204.0		
158	95.2	48.4	145.3		

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#78

n-propylbenzene

Concen: 50.68 ug/l

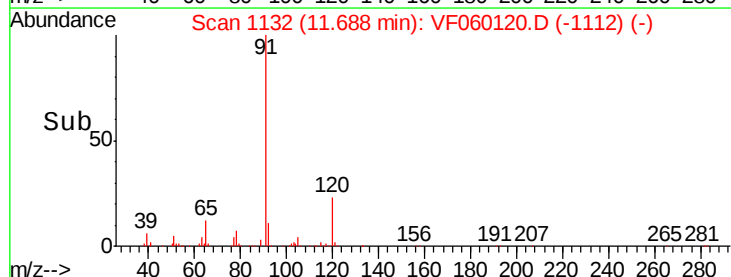
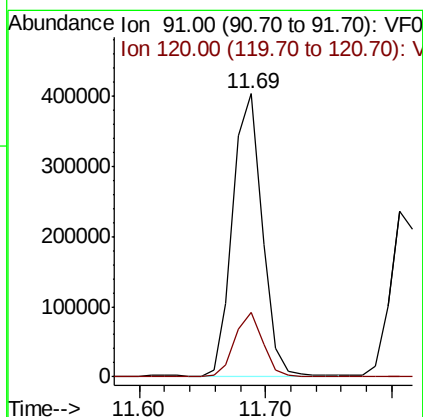
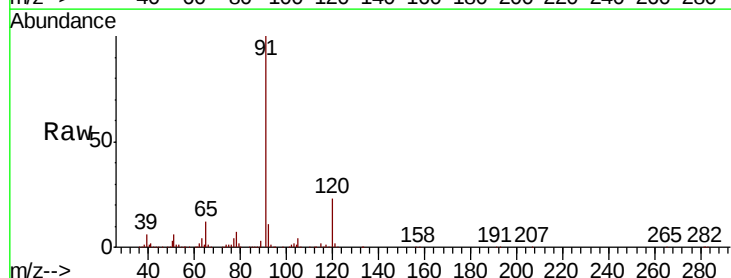
RT: 11.69 min Scan# 1132

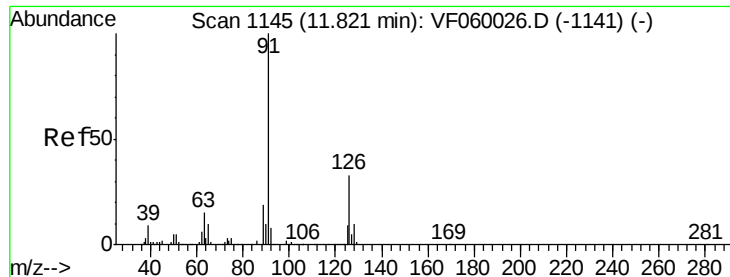
Delta R.T. -0.00 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	22.7	10.9	32.7		





#79

2-Chlorotoluene

Concen: 50.61 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 383259

Ion Ratio Lower Upper

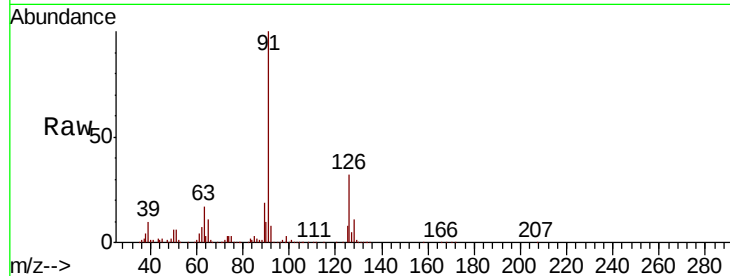
91 100

126 32.0 16.6 49.7

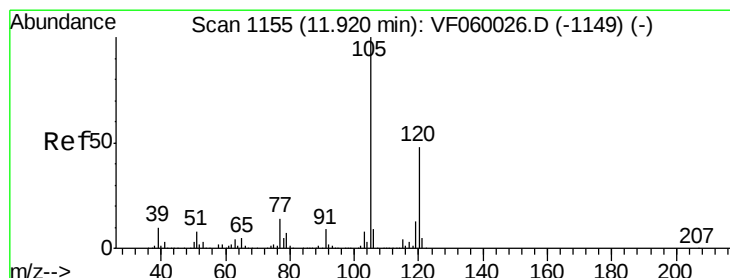
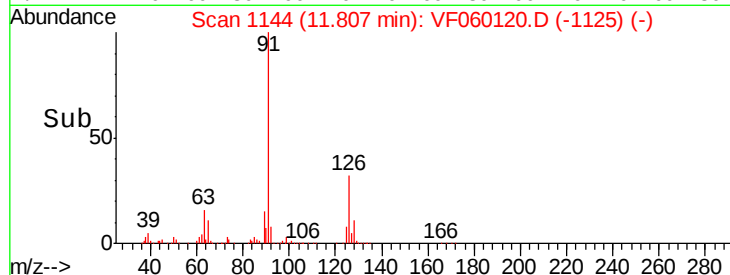
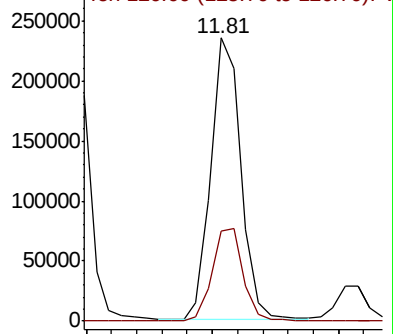
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Abundance Ion 91.00 (90.70 to 91.70): VF060120.D (-1141) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.74 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. -0.00 min

Lab File: VF060120.D

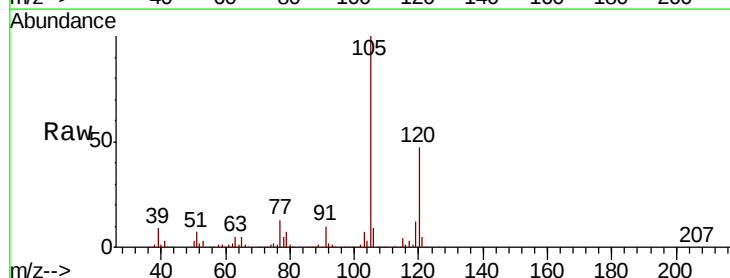
Acq: 27 Aug 2018 11:56

Tgt Ion: 105 Resp: 461194

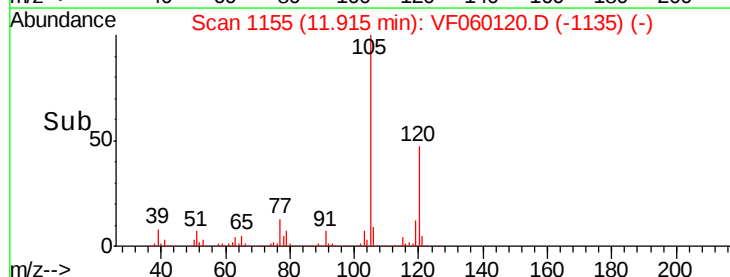
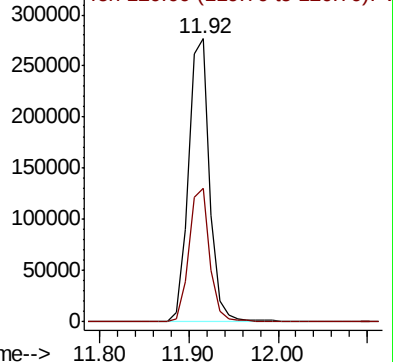
Ion Ratio Lower Upper

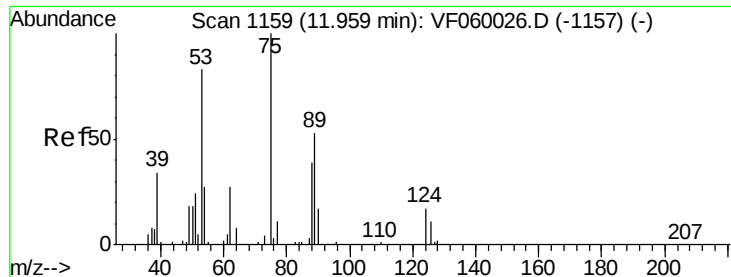
105 100

120 47.2 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): VF060120.D (-1149) (-)





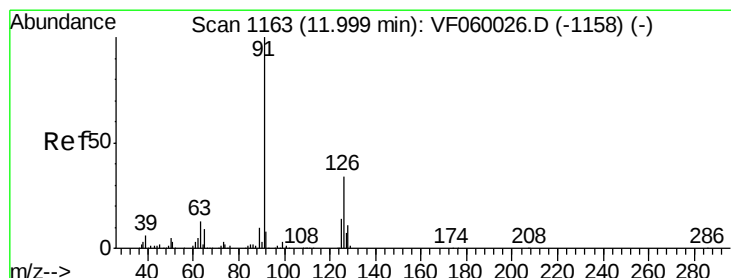
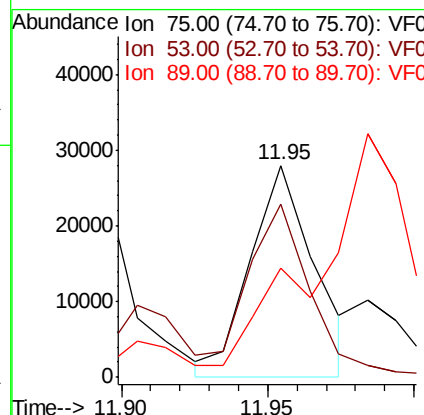
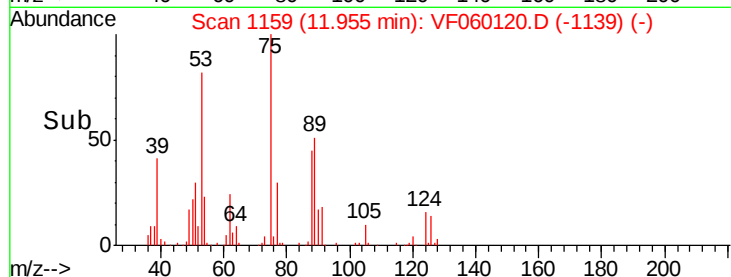
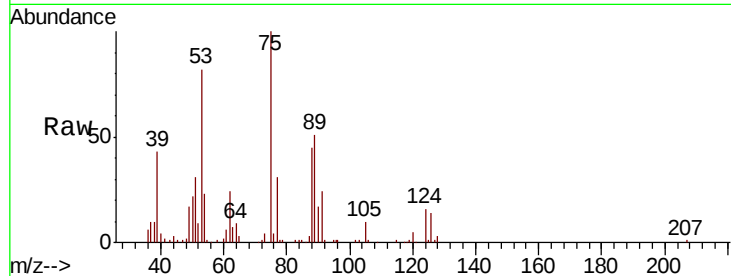
#81
trans-1,4-Dichloro-2-butene
Concen: 52.72 ug/l m
RT: 11.95 min Scan# 1159
Delta R.T. -0.00 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	81.5	66.2	99.4
89	51.3	42.8	64.2

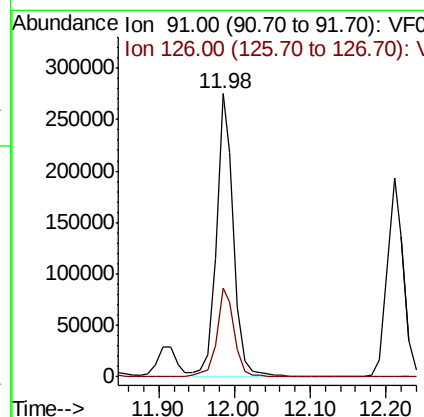
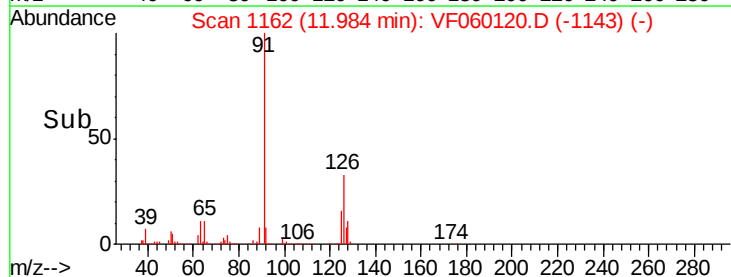
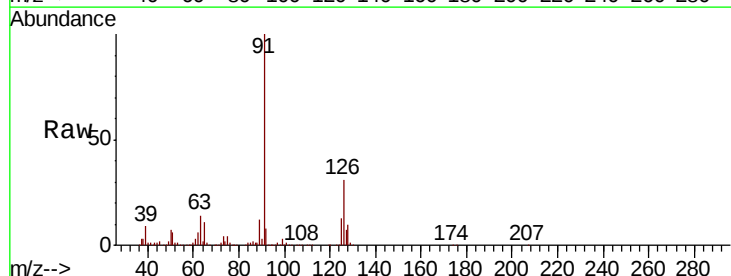
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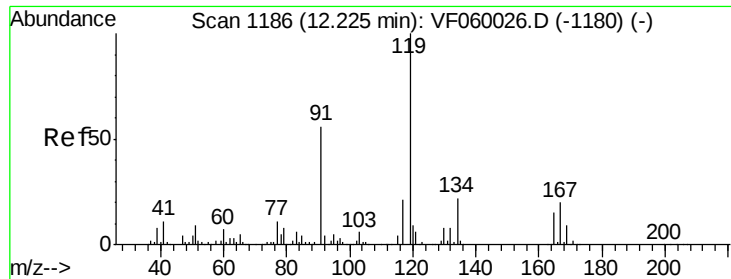
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#82
4-Chlorotoluene
Concen: 52.75 ug/l
RT: 11.98 min Scan# 1162
Delta R.T. -0.01 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	17.0	50.9





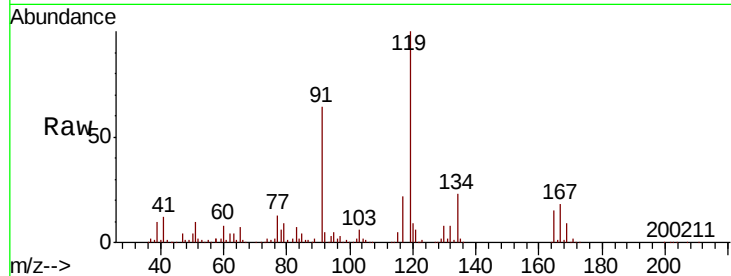
#83
tert-Butylbenzene
Concen: 53.52 ug/l
RT: 12.21 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	474503		
91	63.9	28.1	84.3	
134	22.8	11.1	33.3	

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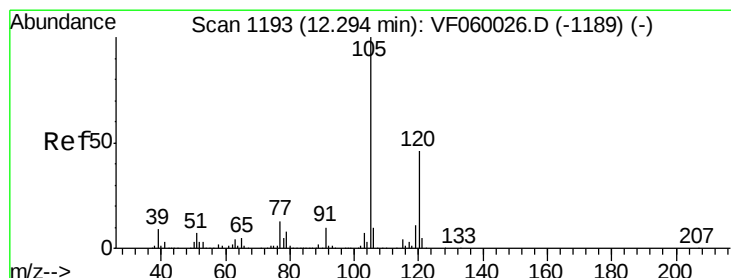
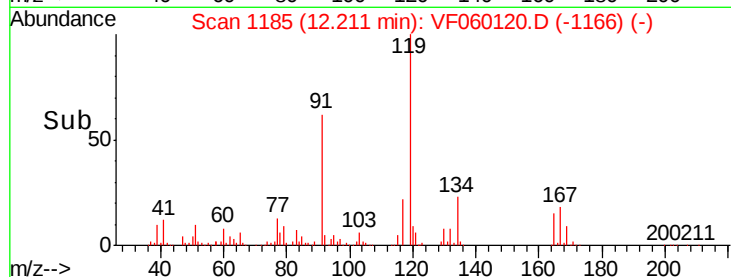
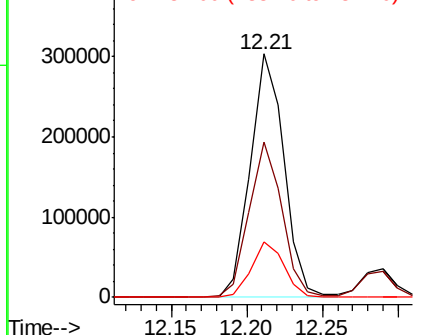


Abundance

Ion 119.00 (118.70 to 119.70): V

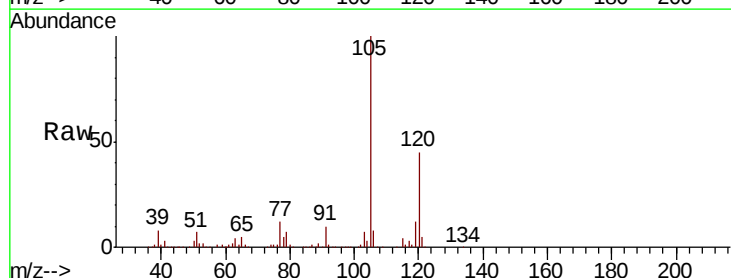
Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84
1,2,4-Trimethylbenzene
Concen: 49.88 ug/l
RT: 12.29 min Scan# 1193
Delta R.T. -0.00 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

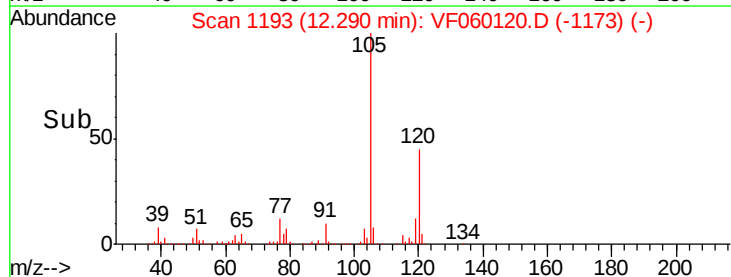
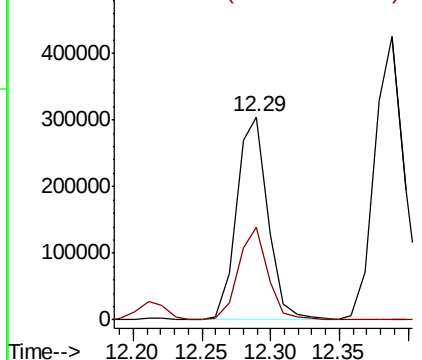
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	482028		
120	45.4	23.3	69.8	

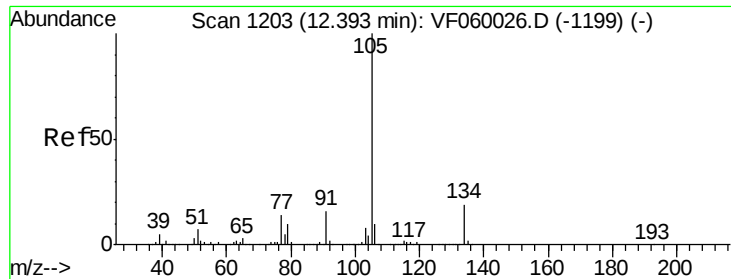


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





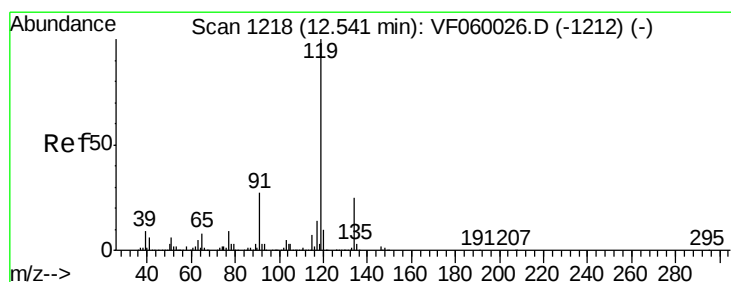
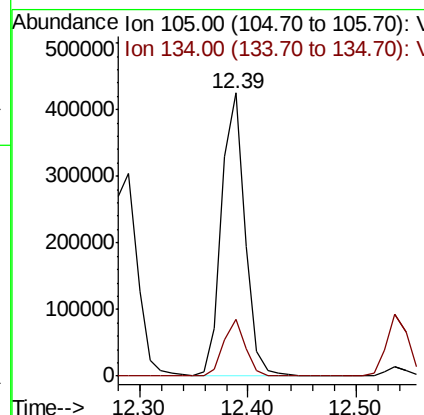
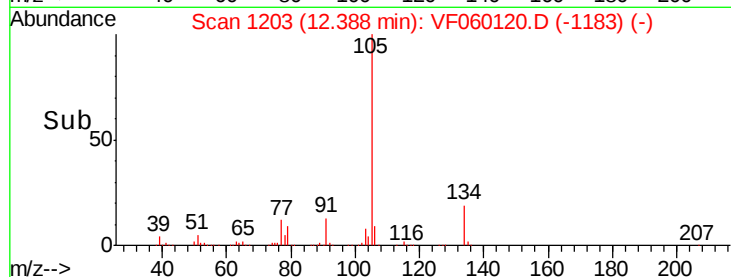
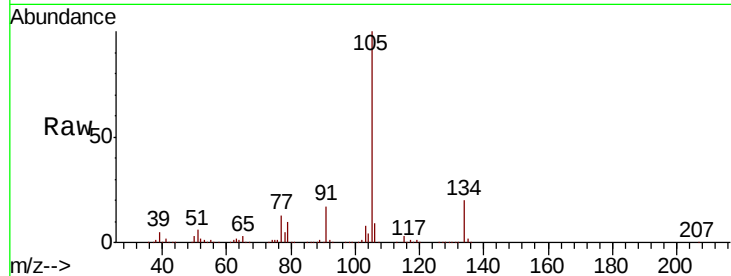
#85
 sec-Butylbenzene
 Concen: 51.72 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: VF060120.D
 Acq: 27 Aug 2018 11:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	638408		
134	20.2	9.3	27.9	

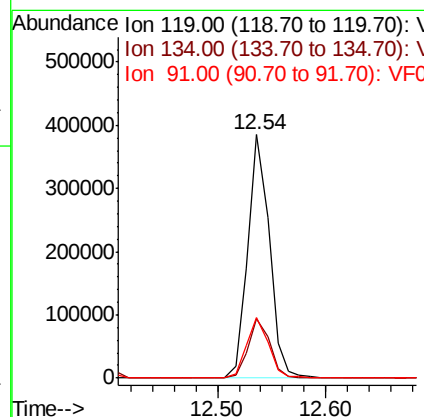
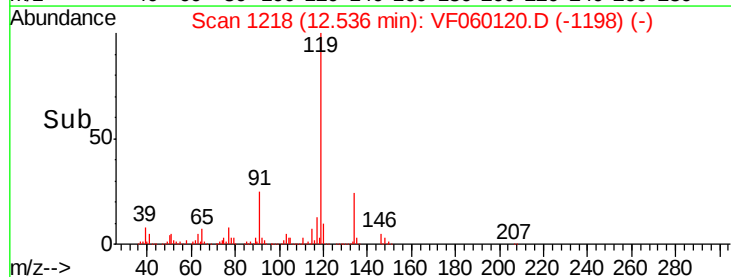
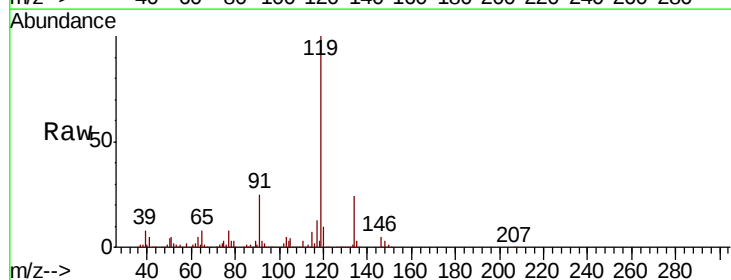
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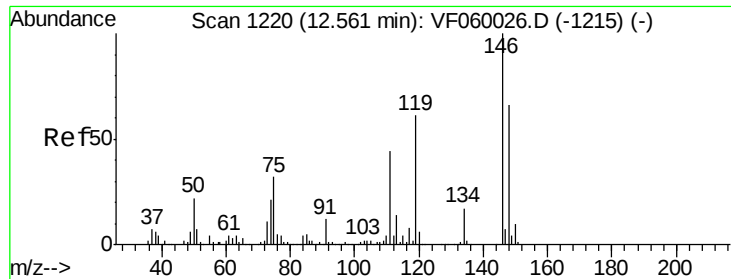
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#86
 p-Isopropyltoluene
 Concen: 52.57 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF060120.D
 Acq: 27 Aug 2018 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	538343		
134	24.4	12.4	37.2	
91	25.1	13.5	40.4	





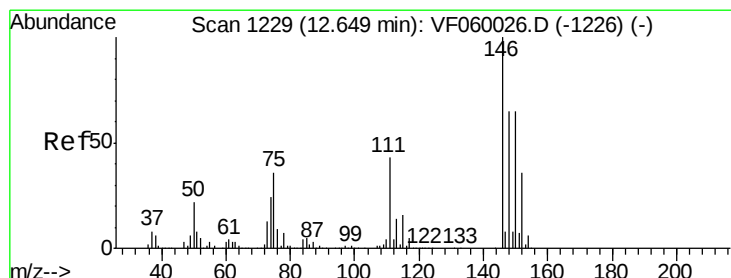
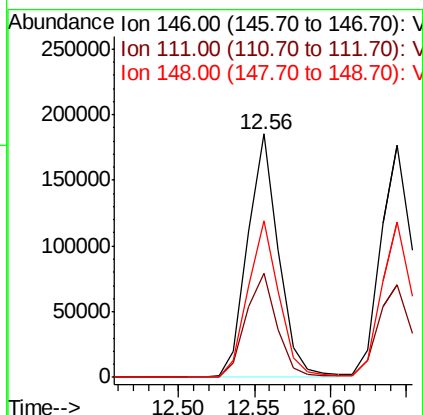
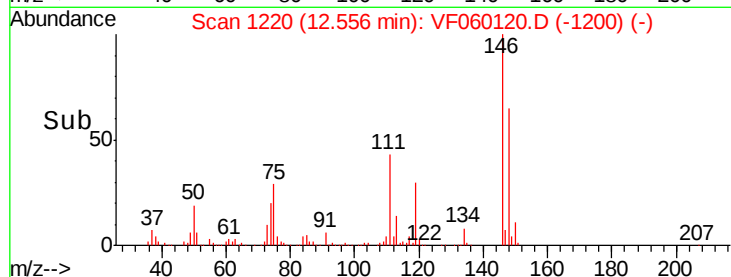
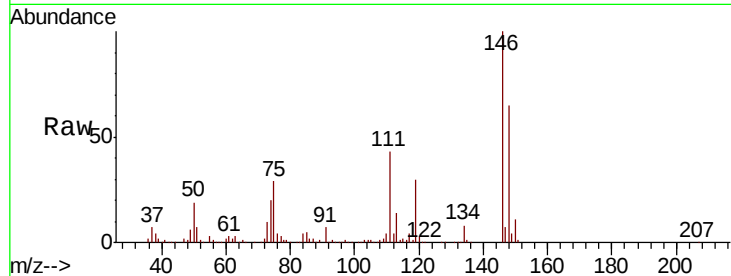
#87
 1,3-Dichlorobenzene
 Concen: 50.66 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: VF060120.D
 Acq: 27 Aug 2018 11:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.9	65.5
148	64.5	32.9	98.7

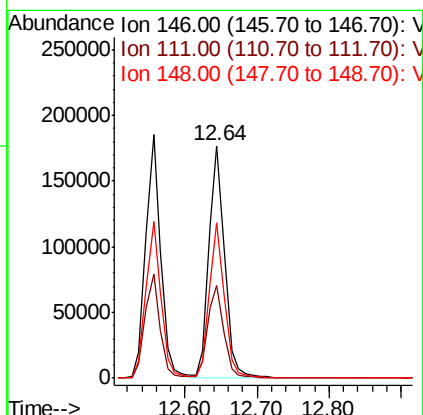
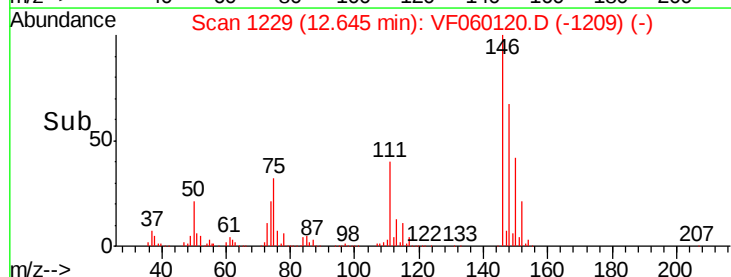
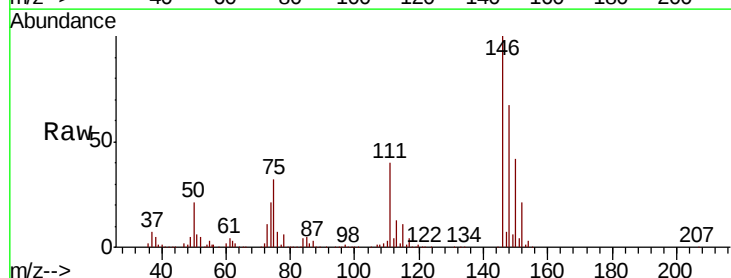
Manual Integrations
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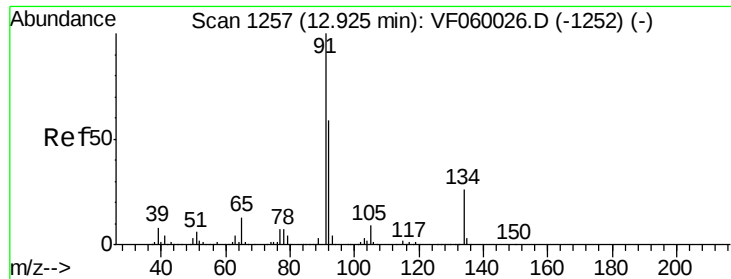
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#88
 1,4-Dichlorobenzene
 Concen: 51.11 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VF060120.D
 Acq: 27 Aug 2018 11:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	21.6	64.8
148	66.8	32.3	96.8





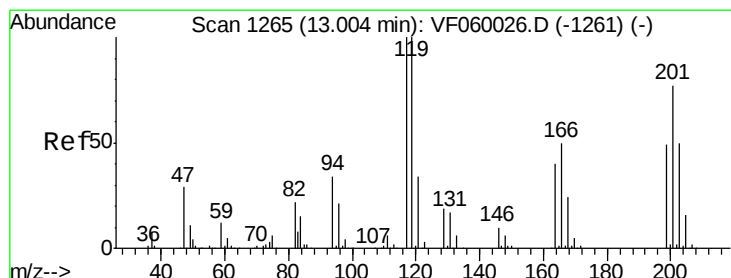
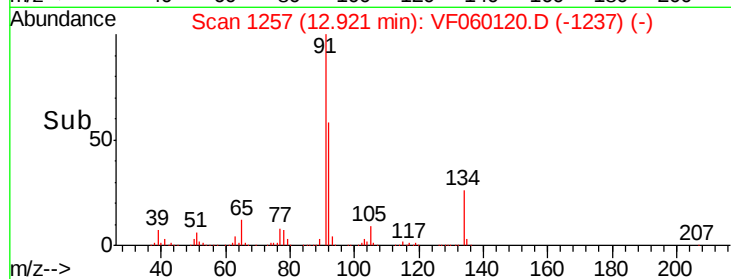
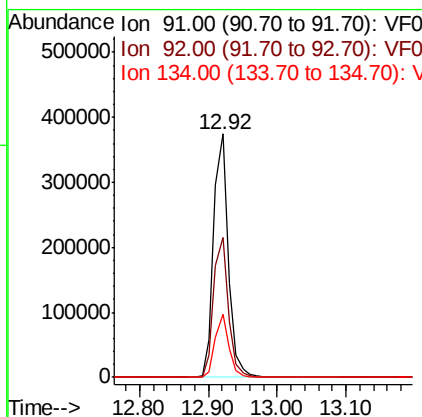
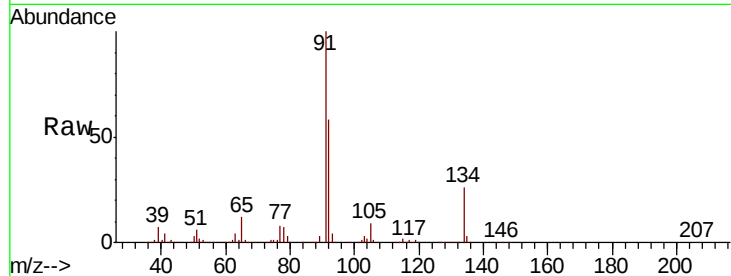
#89
n-Butylbenzene
Concen: 55.30 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. -0.00 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.6	29.3	87.9
134	26.1	12.8	38.3

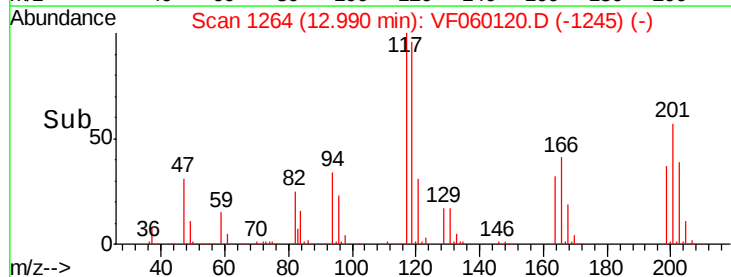
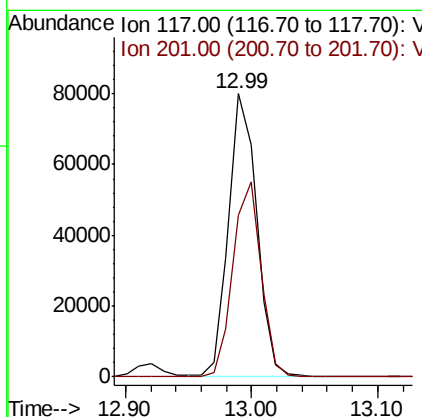
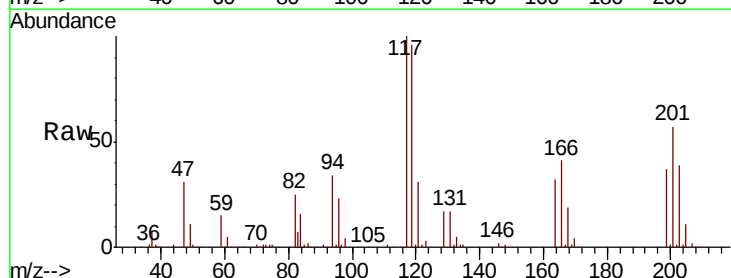
Manual Integrations
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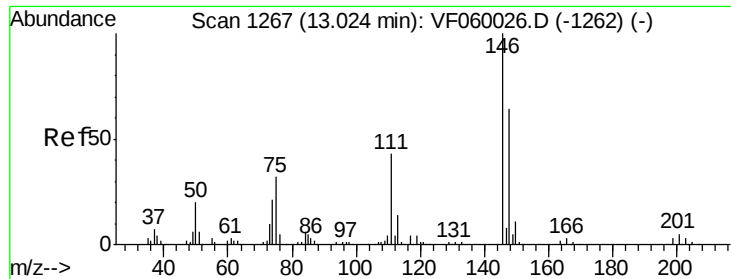
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#90
Hexachloroethane
Concen: 53.88 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VF060120.D
Acq: 27 Aug 2018 11:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	57.3	38.6	115.8





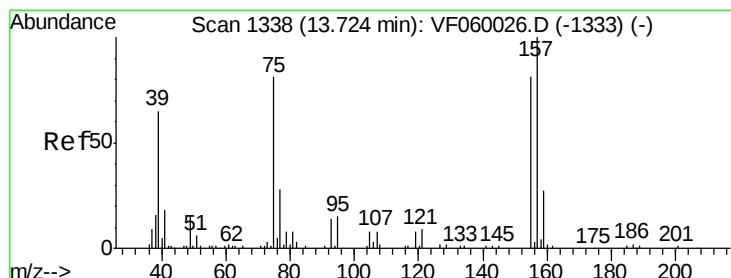
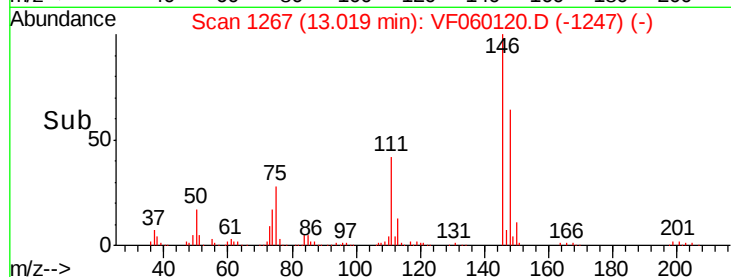
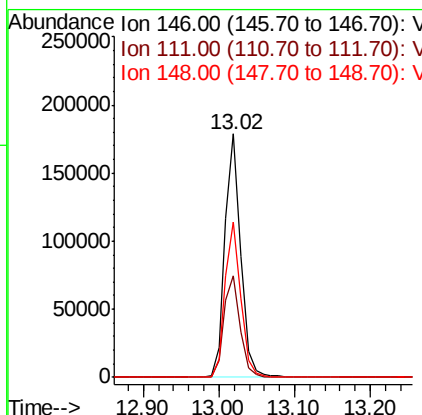
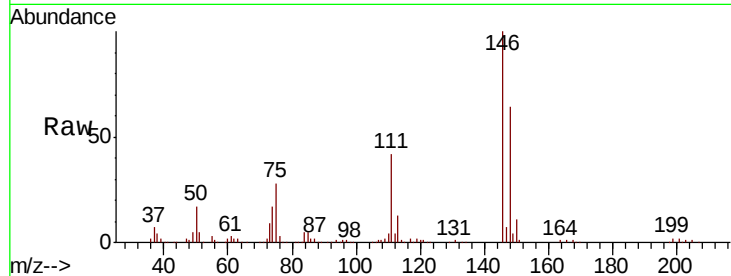
#91
 1,2-Dichlorobenzene
 Concen: 51.39 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VF060120.D
 Acq: 27 Aug 2018 11:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	259305		
111	41.7	21.6	64.6	
148	63.7	32.3	96.8	

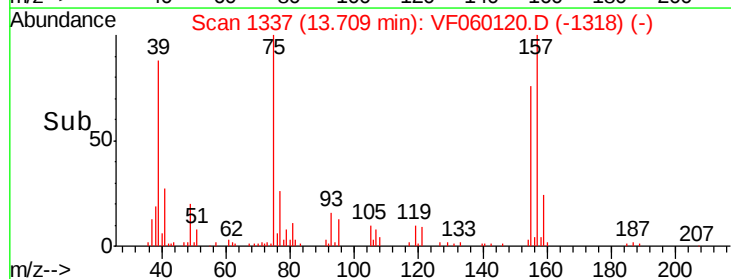
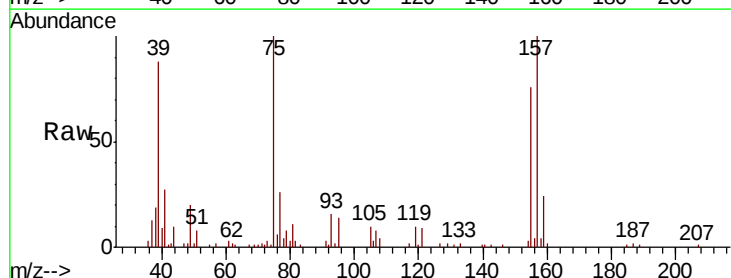
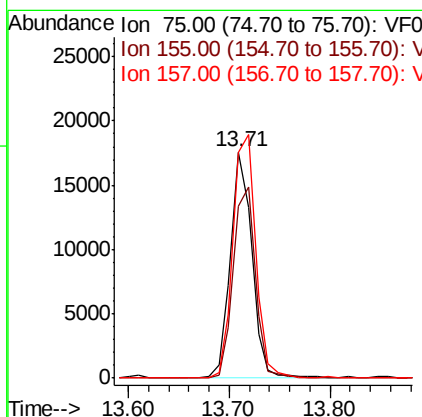
Manual Integrations
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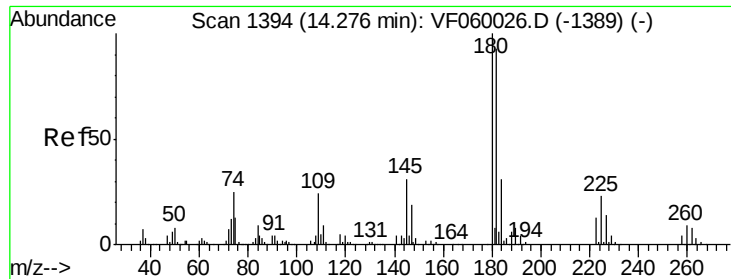
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.96 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VF060120.D
 Acq: 27 Aug 2018 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	26058		
155	75.9	49.8	149.3	
157	99.6	61.6	184.7	





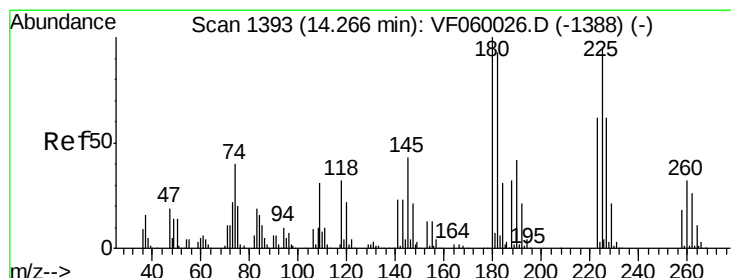
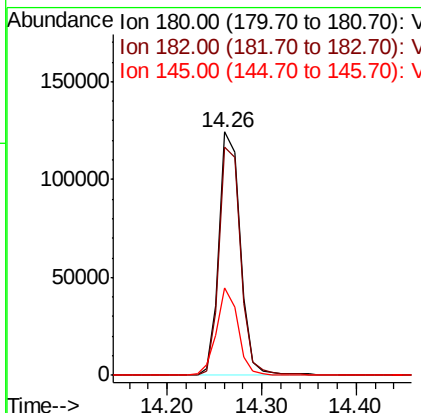
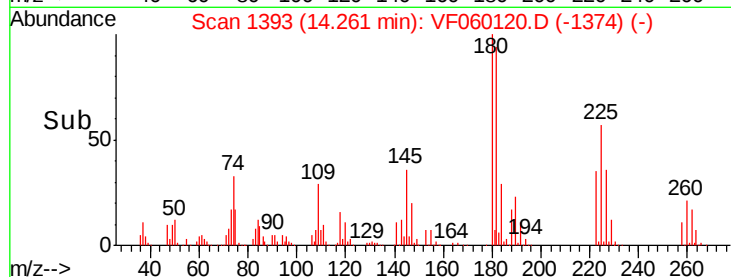
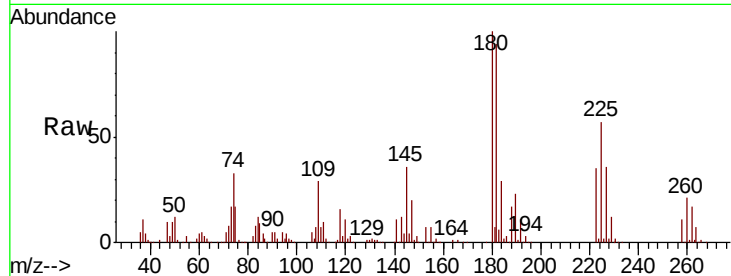
#93
 1,2,4-Trichlorobenzene
 Concen: 52.64 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF060120.D
 Acq: 27 Aug 2018 11:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	195578		
182	93.7	46.8	140.3	
145	35.7	15.4	46.4	

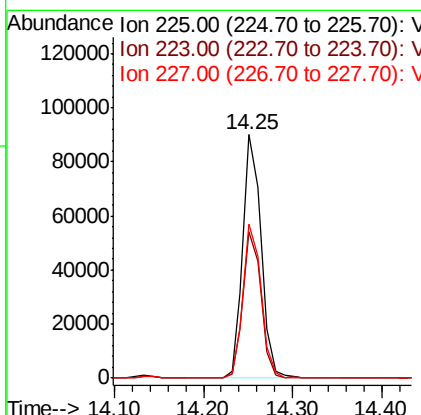
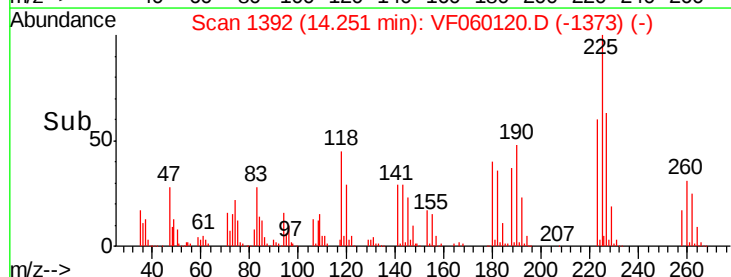
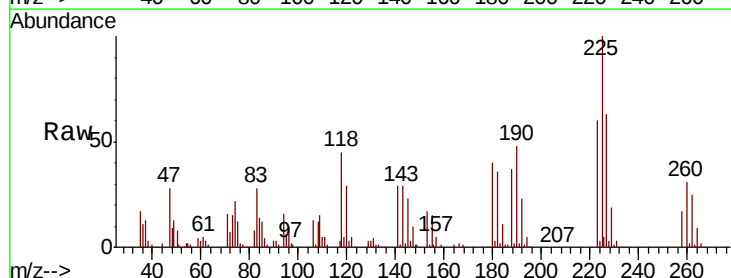
Manual Integrations
 APPROVED

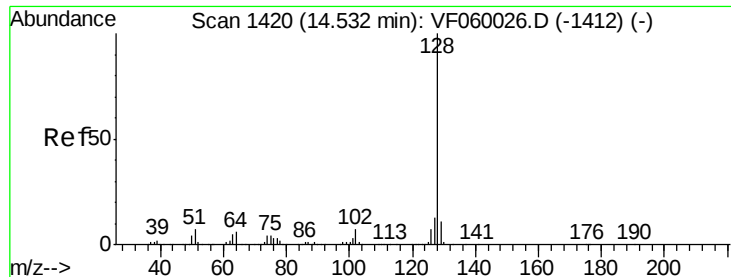
apatel
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#94
 Hexachlorobutadiene
 Concen: 55.89 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF060120.D
 Acq: 27 Aug 2018 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	129242		
223	60.0	32.6	97.8	
227	63.3	33.0	98.9	





#95

Naphthalene

Concen: 45.90 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Instrument :

MSVOA_F

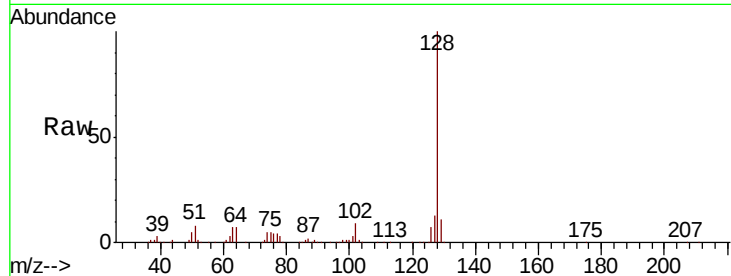
ClientSampleId :

VSTDCCC050

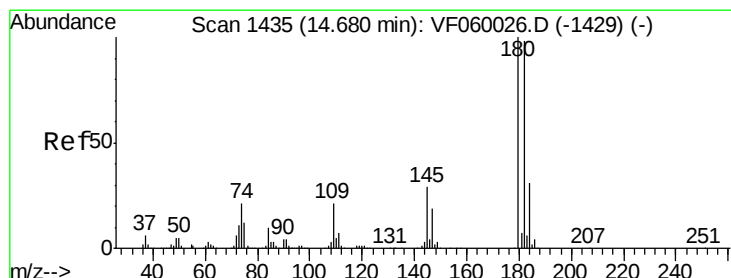
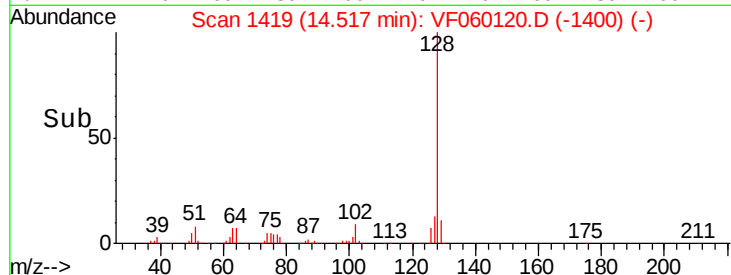
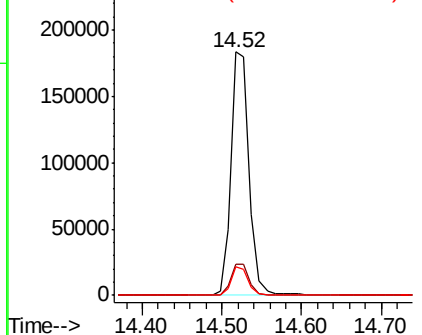
Tot Ion:	128	Resp:	294661
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.5	8.5	12.7

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 53.02 ug/l

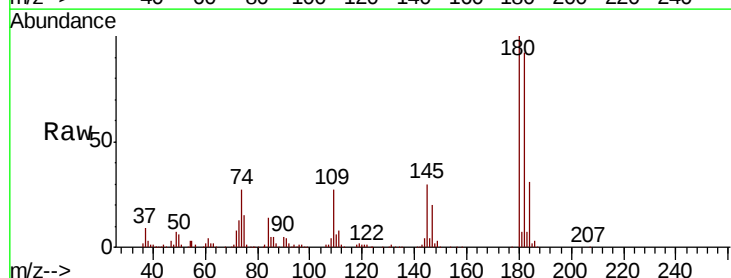
RT: 14.67 min Scan# 1434

Delta R.T. -0.01 min

Lab File: VF060120.D

Acq: 27 Aug 2018 11:56

Tgt Ion:	180	Resp:	187948
Ion Ratio		Lower	Upper
180	100		
182	92.5	49.0	147.2
145	30.4	14.4	43.2



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

