

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082218\
 Data File : VF060032.D
 Acq On : 22 Aug 2018 11:16
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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 8/23/2018 10:18:35 AM

Quant Time: Aug 23 04:28:51 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	5.06	168	234368	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	365924	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	366172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.65	152	213977	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	151176	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	
35) Dibromofluoromethane	4.31	113	143560	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
50) Toluene-d8	7.73	98	390545	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	
62) 4-Bromofluorobenzene	11.53	95	201034	46.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.14%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	136434	44.22	ug/l	98
3) Chloromethane	1.08	50	100172	50.02	ug/l	98
4) Vinyl Chloride	1.13	62	92628	48.35	ug/l	98
5) Bromomethane	1.32	94	70777	48.62	ug/l	98
6) Chloroethane	1.39	64	40392	53.49	ug/l	99
7) Trichlorofluoromethane	1.49	101	203168	52.74	ug/l	96
8) Diethyl Ether	1.71	74	35994	52.26	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.87	101	101972	50.43	ug/l	99
10) Methyl Iodide	1.93	142	139602	52.22	ug/l	100
11) Tert butyl alcohol	2.68	59	43001	251.99	ug/l #	92
12) 1,1-Dichloroethene	1.84	96	75306	50.55	ug/l	95
13) Acrolein	2.09	56	29429	278.89	ug/l	86
14) Allyl chloride	2.20	41	139243	52.62	ug/l	95
15) Acrylonitrile	3.09	53	86044	255.51	ug/l	97
16) Acetone	2.34	43	247054	293.06	ug/l	95
17) Carbon Disulfide	1.85	76	220240	47.21	ug/l	99
18) Methyl Acetate	2.46	43	70550	48.90	ug/l	96
19) Methyl tert-butyl Ether	2.55	73	235244	49.28	ug/l	99
20) Methylene Chloride	2.29	84	84144	50.76	ug/l	97
21) trans-1,2-Dichloroethene	2.42	96	76017	45.60	ug/l	95
22) Diisopropyl ether	2.93	45	294338	49.68	ug/l	98
23) Vinyl Acetate	3.34	43	749111	238.66	ug/l	96
24) 1,1-Dichloroethane	3.01	63	180127	49.21	ug/l	98
25) 2-Butanone	4.53	43	294754	269.17	ug/l	98
26) 2,2-Dichloropropane	3.78	77	204211	53.93	ug/l	99
27) cis-1,2-Dichloroethene	3.65	96	117493	49.74	ug/l	97
28) Bromochloromethane	3.91	49	71011	45.95	ug/l	93
29) Tetrahydrofuran	4.27	42	121692	294.34	ug/l	98
30) Chloroform	4.05	83	250501	48.76	ug/l	94
31) Cyclohexane	3.88	56	140880	50.51	ug/l	96
32) 1,1,1-Trichloroethane	4.29	97	221464	50.34	ug/l	92
36) 1,1-Dichloropropene	4.48	75	166953	48.55	ug/l	99
37) Ethyl Acetate	4.30	43	109440	53.22	ug/l #	94
38) Carbon Tetrachloride	4.19	117	192287	48.29	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	160029	49.63	ug/l	91
40) Benzene	4.82	78	370723	49.35	ug/l	98
41) Methacrylonitrile	4.93	41	48082	46.22	ug/l	92
42) 1,2-Dichloroethane	5.14	62	182354	45.27	ug/l	98
43) Isopropyl Acetate	7.13	43	133486	51.57	ug/l #	100
44) Trichloroethene	5.69	130	117754	47.42	ug/l	95
45) 1,2-Dichloropropane	6.42	63	112546	52.97	ug/l	95
46) Dibromomethane	6.27	93	83731	50.36	ug/l	97
47) Bromodichloromethane	6.57	83	199825	49.76	ug/l	95
48) Methyl methacrylate	6.89	41	84775	49.49	ug/l	93
49) 1,4-Dioxane	6.88	88	17694	1076.11	ug/l	92
51) 4-Methyl-2-Pentanone	8.42	43	561030	250.99	ug/l	100
52) Toluene	7.80	92	258919	53.97	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	180686	49.61	ug/l	96
54) cis-1,3-Dichloropropene	7.47	75	209812	51.62	ug/l	95
55) 1,1,2-Trichloroethane	8.66	97	102676	50.66	ug/l	98
56) Ethyl methacrylate	8.78	69	126545	51.58	ug/l	96
57) 1,3-Dichloropropane	9.02	76	180760	50.74	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.80	63	46067	236.56	ug/l	100
59) 2-Hexanone	9.64	43	483089	267.03	ug/l	99
60) Dibromochloromethane	8.88	129	151369	50.59	ug/l	98
61) 1,2-Dibromoethane	9.15	107	119364	50.14	ug/l	98
64) Tetrachloroethene	8.32	164	117550	47.65	ug/l	98
65) Chlorobenzene	9.96	112	340694	49.27	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.09	131	132863	50.66	ug/l	96
67) Ethyl Benzene	10.06	91	602984	50.54	ug/l	99
68) m/p-Xylenes	10.28	106	435864	113.24	ug/l	99
69) o-Xylene	10.85	106	237415	50.79	ug/l	92
70) Styrene	10.91	104	356317	49.69	ug/l	97
71) Bromoform	10.90	173	94761	51.79	ug/l	100
73) Isopropylbenzene	11.24	105	690488	53.61	ug/l	99
74) N-amyl acetate	11.48	43	221457	55.32	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.80	83	151853	53.98	ug/l	96
76) 1,2,3-Trichloropropane	11.90	75	112414	51.53	ug/l	96
77) Bromobenzene	11.61	156	178875	51.07	ug/l	100
78) n-propylbenzene	11.70	91	820550	51.62	ug/l	97
79) 2-Chlorotoluene	11.83	91	479332	51.28	ug/l	96
80) 1,3,5-Trimethylbenzene	11.93	105	574336	51.18	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.97	75	52580m	52.68	ug/l	
82) 4-Chlorotoluene	12.01	91	517283	50.97	ug/l	99
83) tert-Butylbenzene	12.23	119	580270	53.02	ug/l	94
84) 1,2,4-Trimethylbenzene	12.30	105	590933	49.53	ug/l	99
85) sec-Butylbenzene	12.40	105	767242	50.36	ug/l	100
86) p-Isopropyltoluene	12.55	119	655700	51.87	ug/l	97
87) 1,3-Dichlorobenzene	12.57	146	324312	50.07	ug/l	98
88) 1,4-Dichlorobenzene	12.66	146	322939	50.17	ug/l	97
89) n-Butylbenzene	12.94	91	672510	54.76	ug/l	97
90) Hexachloroethane	13.00	117	150289	52.91	ug/l	75
91) 1,2-Dichlorobenzene	13.03	146	321098	51.55	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	31825	55.36	ug/l	78

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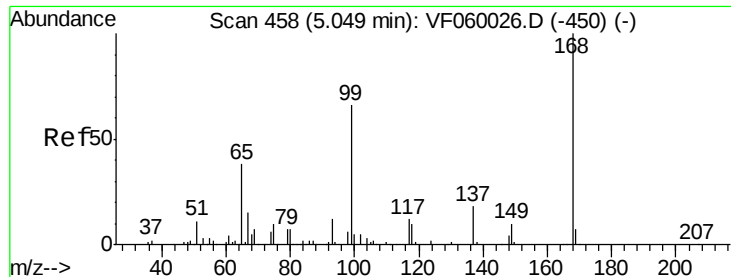
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.29	180	241952	52.75	ug/l	93
94) Hexachlorobutadiene	14.27	225	152025	53.25	ug/l	98
95) Naphthalene	14.54	128	383840	48.31	ug/l	98
96) 1,2,3-Trichlorobenzene	14.69	180	235224	53.75	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.01 min

Lab File: VF060032.D

Acq: 22 Aug 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 234368

Ion Ratio Lower Upper

168 100

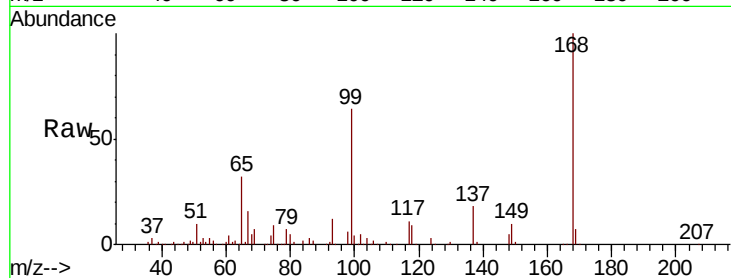
99 64.2 52.6 79.0

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

80000

60000

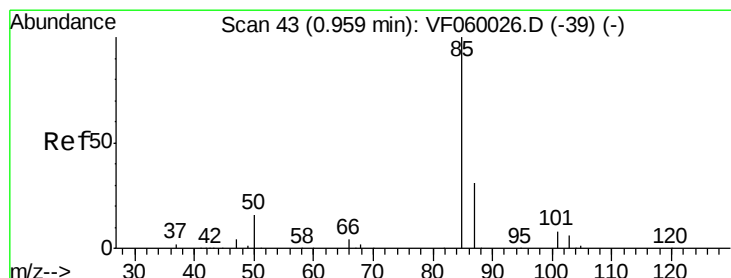
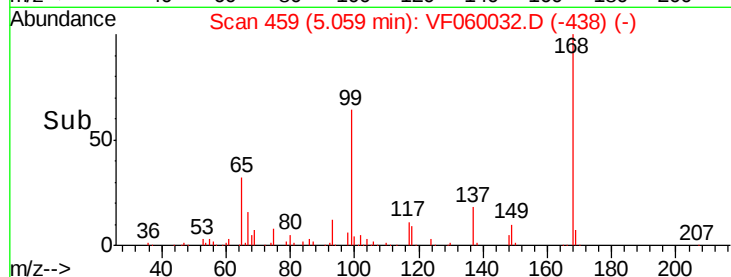
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 44.22 ug/l

RT: 0.96 min Scan# 43

Delta R.T. 0.00 min

Lab File: VF060032.D

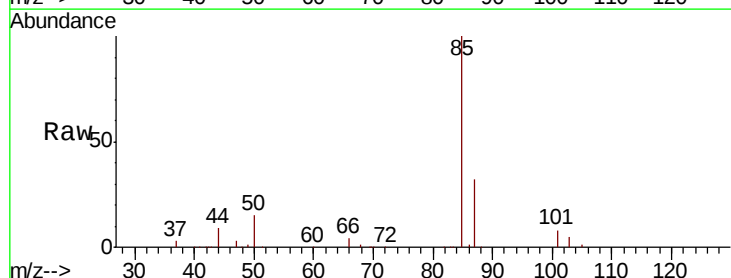
Acq: 22 Aug 2018 11:16

Tgt Ion: 85 Resp: 136434

Ion Ratio Lower Upper

85 100

87 31.8 15.3 45.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

120000

100000

80000

60000

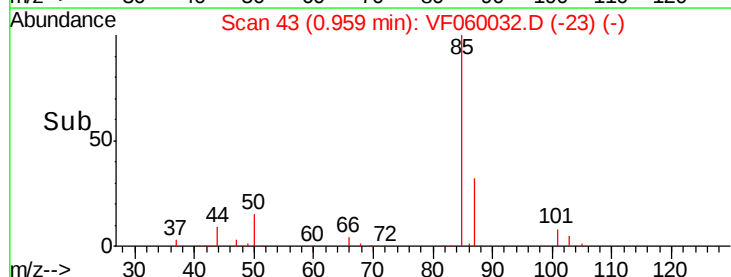
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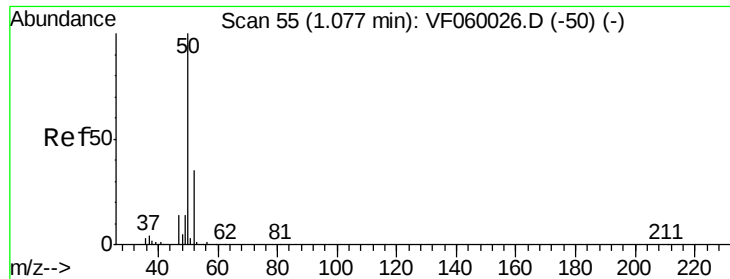
20000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 50.02 ug/l

RT: 1.08 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF060032.D

Acq: 22 Aug 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 100172

Ion Ratio Lower Upper

50 100

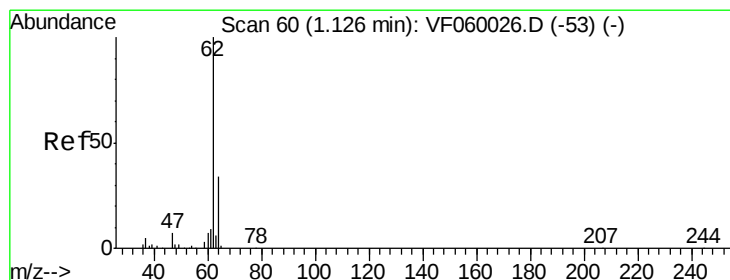
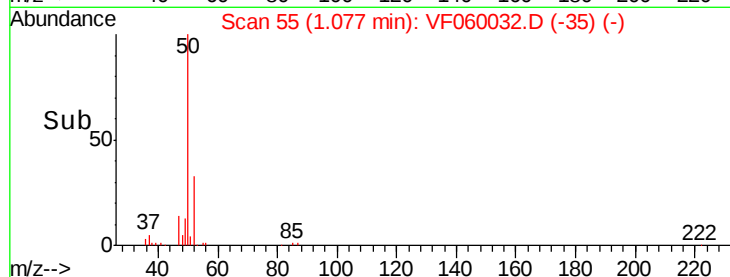
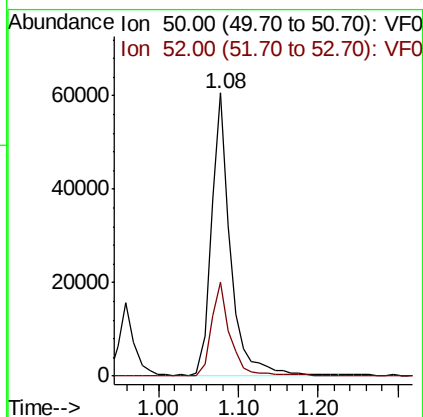
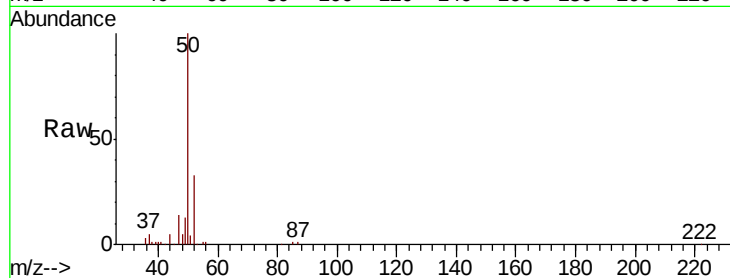
52 33.2 27.6 41.4

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#4

Vinyl Chloride

Concen: 48.35 ug/l

RT: 1.13 min Scan# 60

Delta R.T. 0.00 min

Lab File: VF060032.D

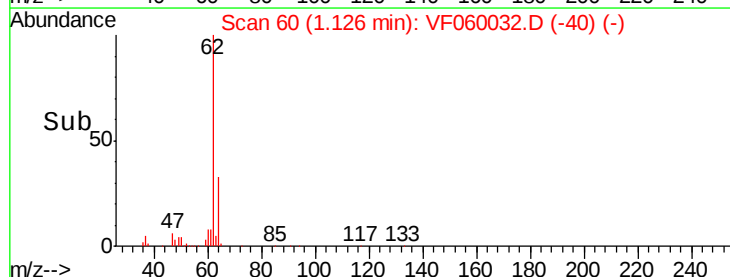
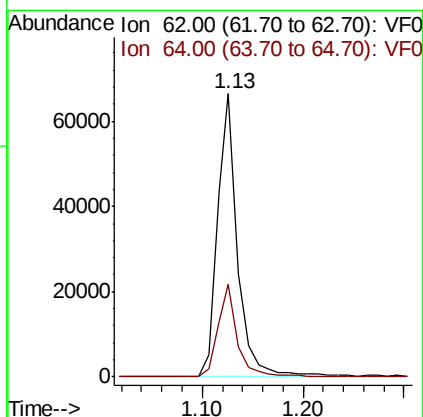
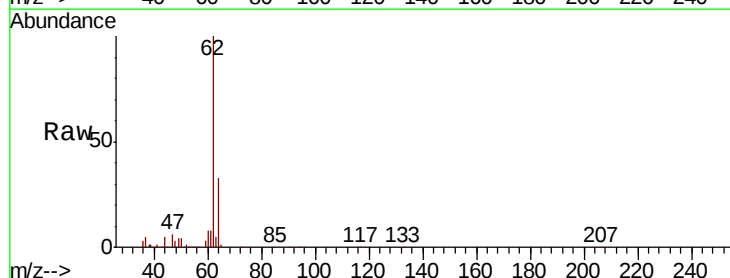
Acq: 22 Aug 2018 11:16

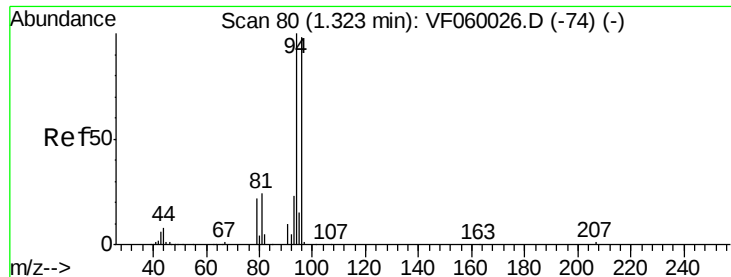
Tgt Ion: 62 Resp: 92628

Ion Ratio Lower Upper

62 100

64 32.9 27.4 41.2





#5

Bromomethane

Concen: 48.62 ug/l

RT: 1.32 min Scan# 80

Delta R.T. 0.00 min

Lab File: VF060032.D

Acq: 22 Aug 2018 11:16

Instrument :

MSVOA_F

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VSTDCCC050

Tot Ion: 94 Resp: 70777

Ion Ratio Lower Upper

94 100

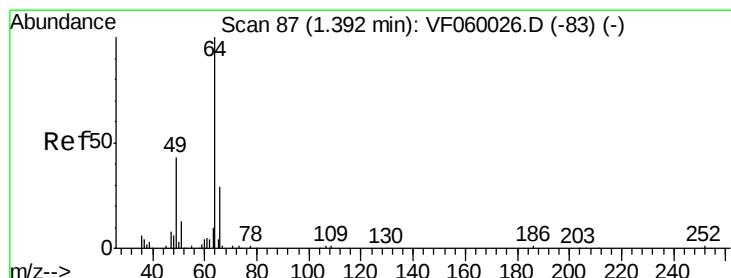
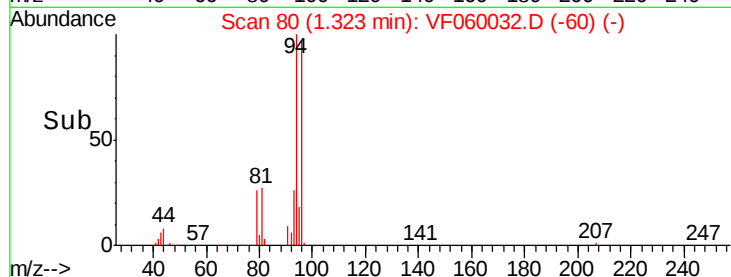
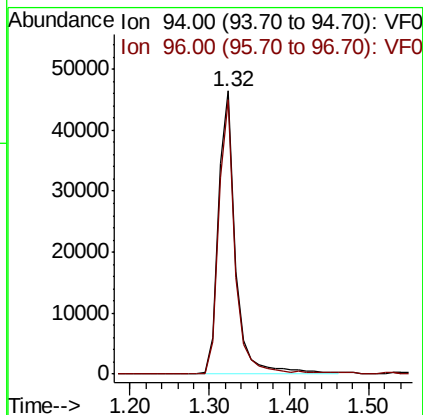
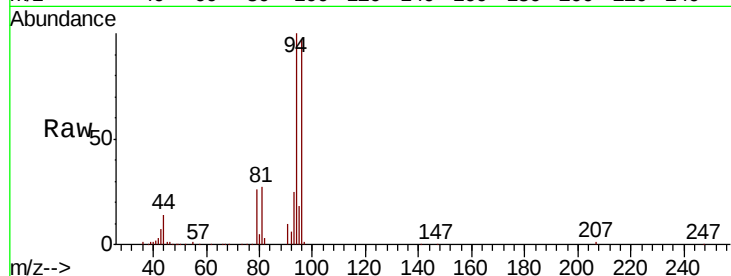
96 96.8 78.6 118.0

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8/23/2018 10:18:35 AM



#6

Chloroethane

Concen: 53.49 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF060032.D

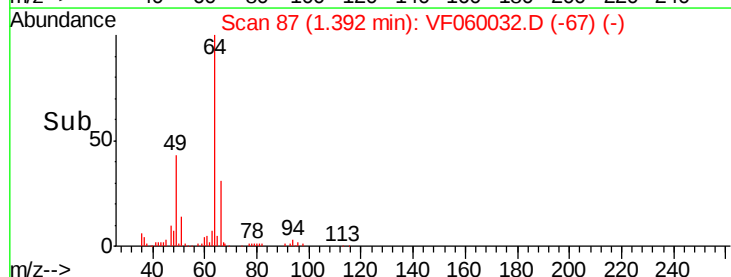
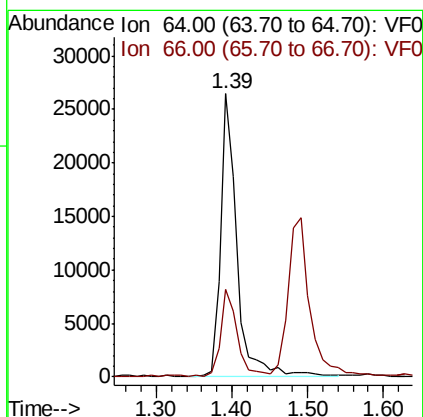
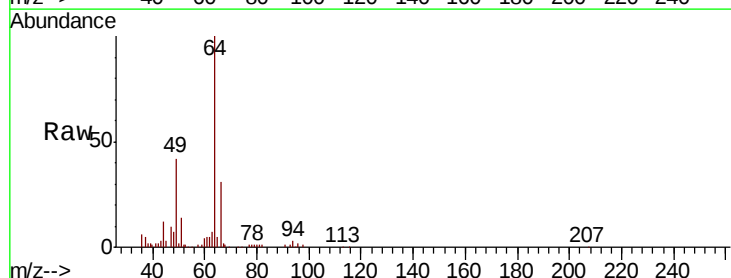
Acq: 22 Aug 2018 11:16

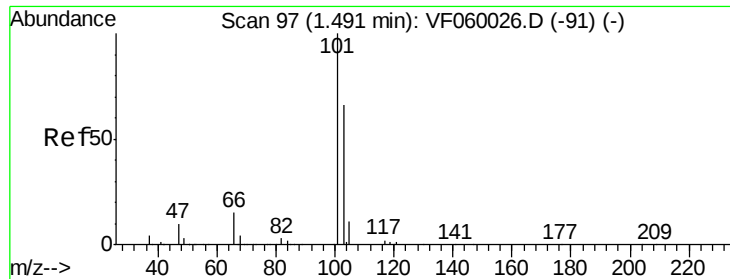
Tgt Ion: 64 Resp: 40392

Ion Ratio Lower Upper

64 100

66 30.8 24.1 36.1





#7

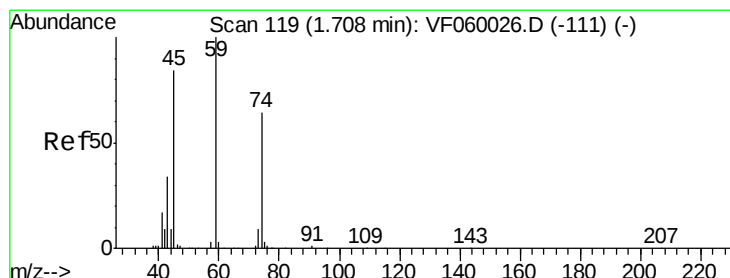
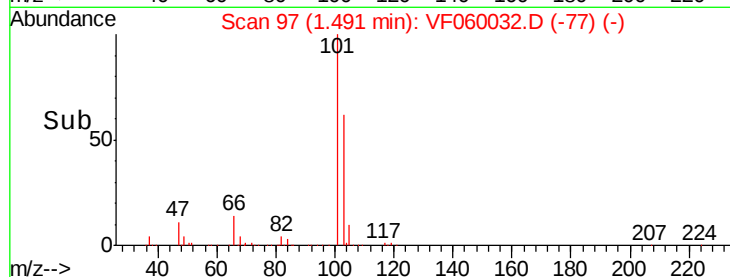
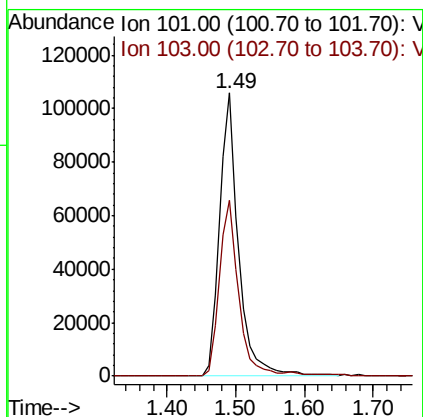
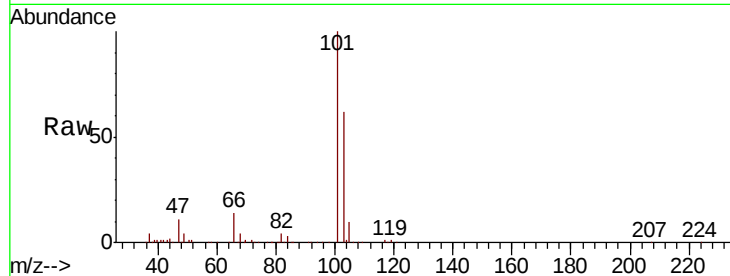
Trichlorofluoromethane
Concen: 52.74 ug/l
RT: 1.49 min Scan# 97
Delta R.T. 0.00 min
Lab File: VF060032.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		203168		
103	62.3	52.5	78.7		

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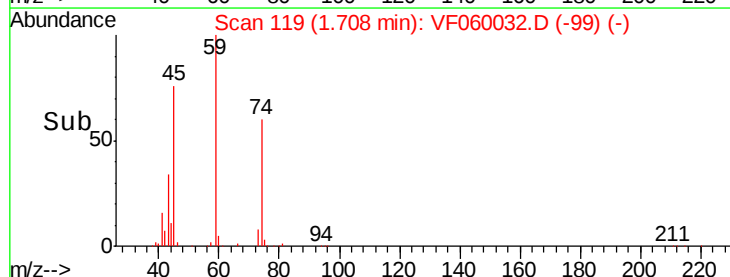
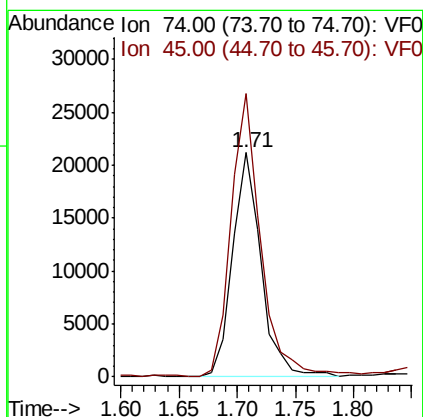
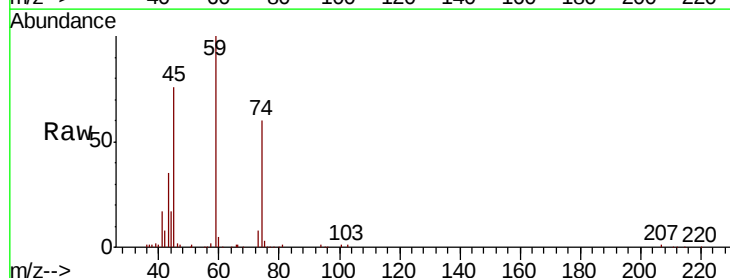
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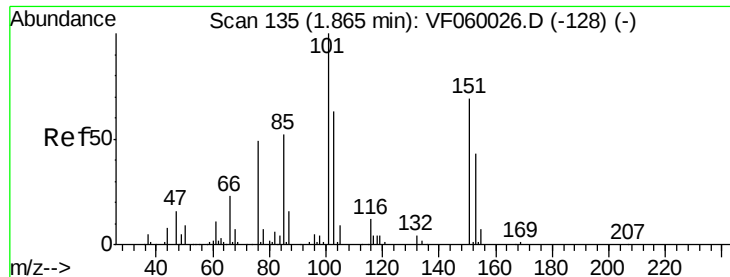


#8

Diethyl Ether
Concen: 52.26 ug/l
RT: 1.71 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF060032.D
Acq: 22 Aug 2018 11:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		35994		
45	126.3	66.0	198.0		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.43 ug/l

RT: 1.87 min Scan# 135

Delta R.T. 0.00 min

Lab File: VF060032.D

Acq: 22 Aug 2018 11:16

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MSVOA_F

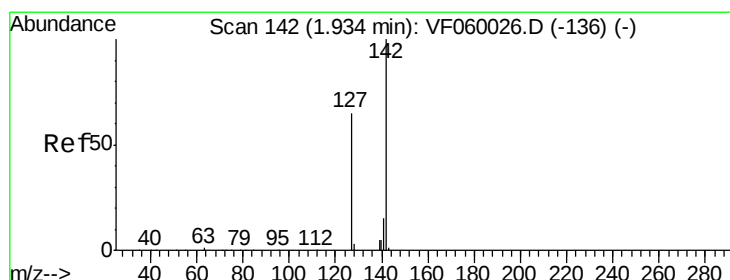
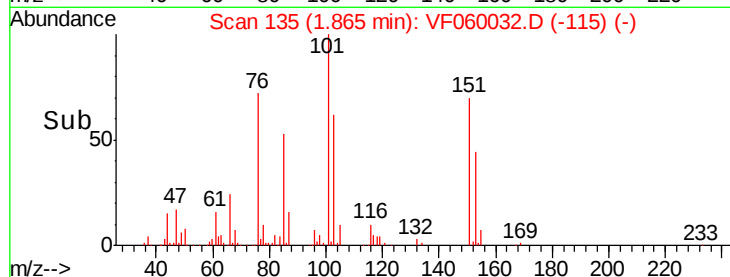
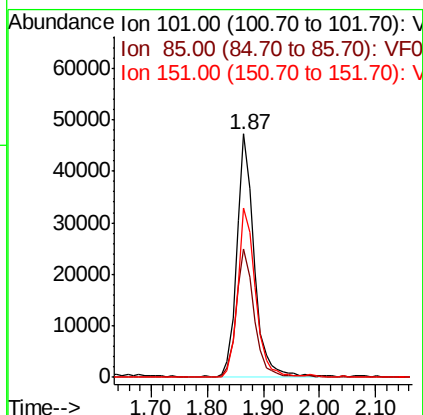
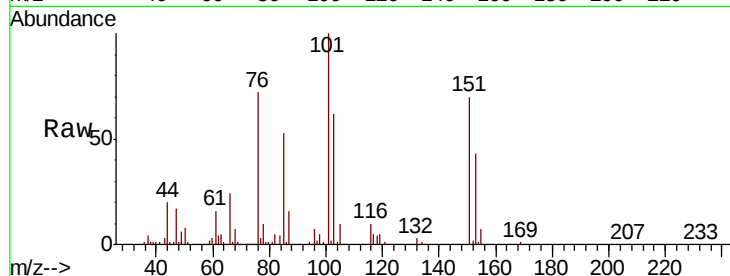
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	101972
Ion Ratio	Lower	Upper	
101	100		
85	52.7	41.5	62.3
151	69.5	55.2	82.8

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8/23/2018 10:18:35 AM



#10

Methyl Iodide

Concen: 52.22 ug/l

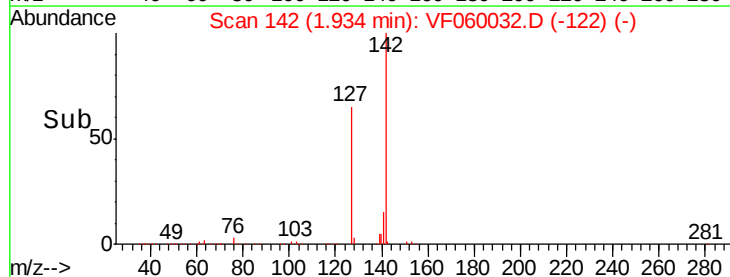
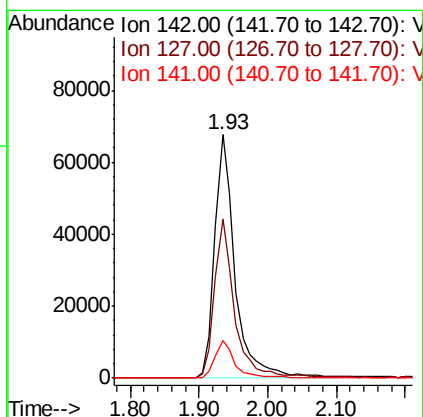
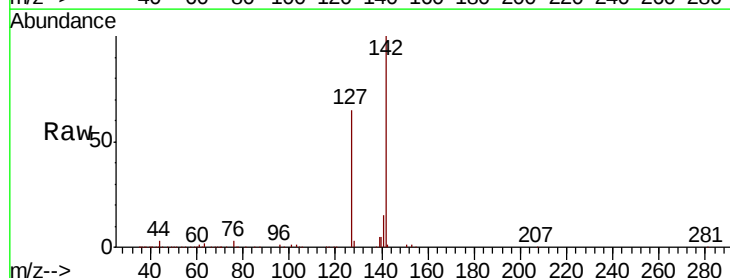
RT: 1.93 min Scan# 142

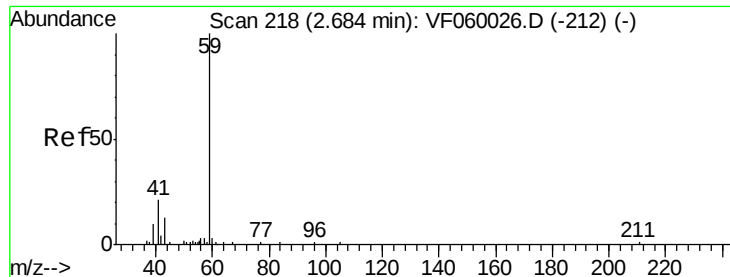
Delta R.T. 0.00 min

Lab File: VF060032.D

Acq: 22 Aug 2018 11:16

Tgt Ion:	142	Resp:	139602
Ion Ratio	Lower	Upper	
142	100		
127	64.8	51.8	77.6
141	15.2	11.9	17.9





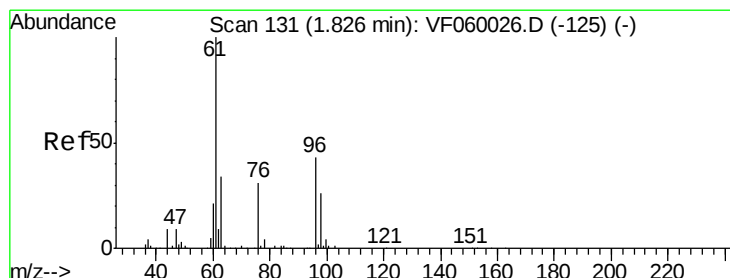
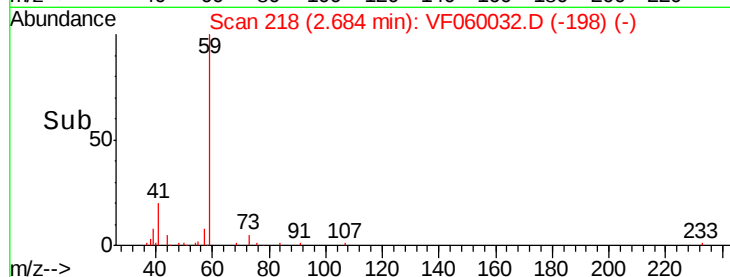
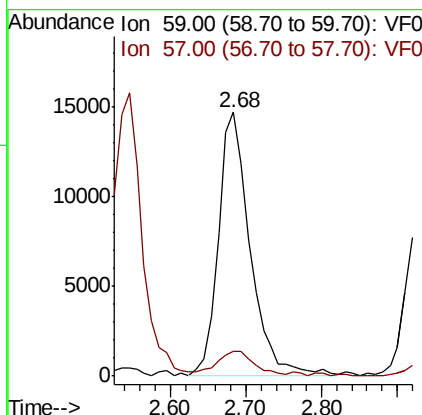
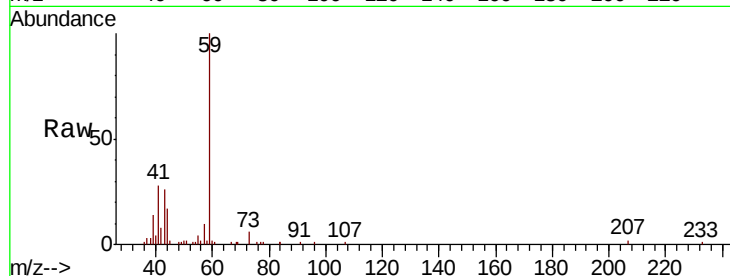
#11
Tert butyl alcohol
Concen: 251.99 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.00 min
Lab File: VF060032.D
Acq: 22 Aug 2018 11:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	59.00	Resp	43001
Ion Ratio	100	Lower	Upper
59	100		
57	9.6	5.4	8.2#

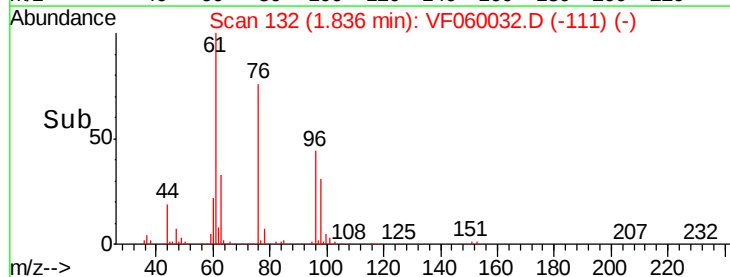
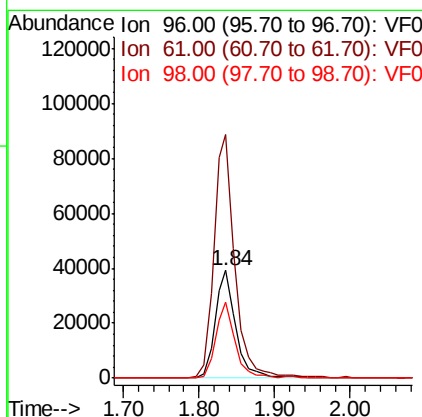
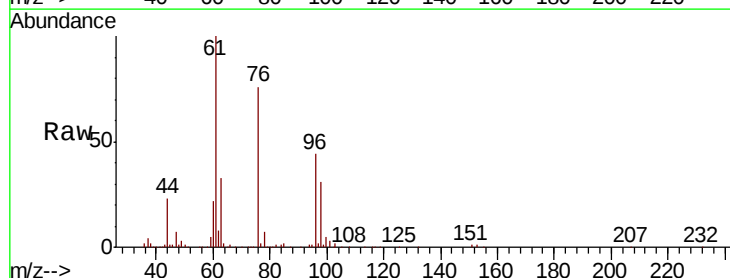
Manual Integrations
APPROVED

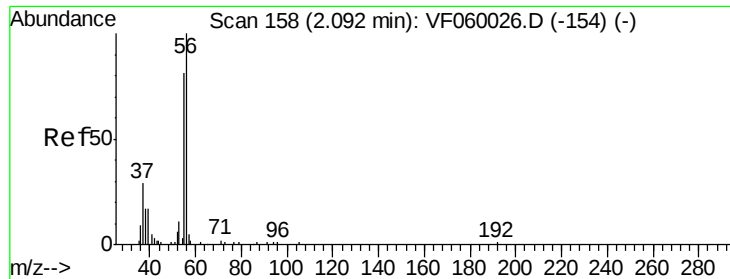
apatel
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#12
1,1-Dichloroethene
Concen: 50.55 ug/l
RT: 1.84 min Scan# 132
Delta R.T. 0.01 min
Lab File: VF060032.D
Acq: 22 Aug 2018 11:16

Tgt Ion	96.00	Resp	75306
Ion Ratio	100	Lower	Upper
96	100		
61	226.6	185.0	277.6
98	70.2	47.8	71.8





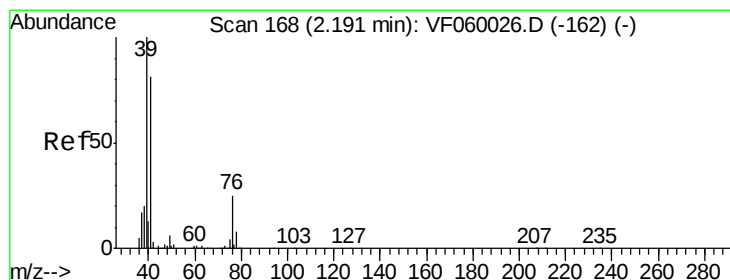
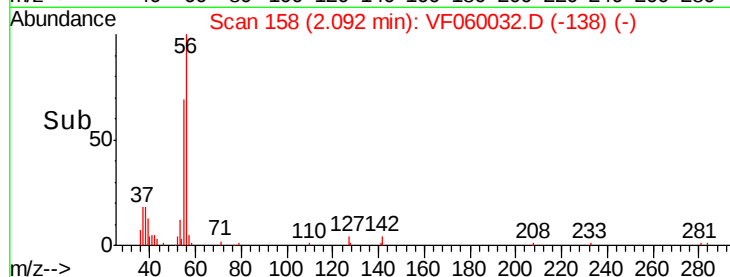
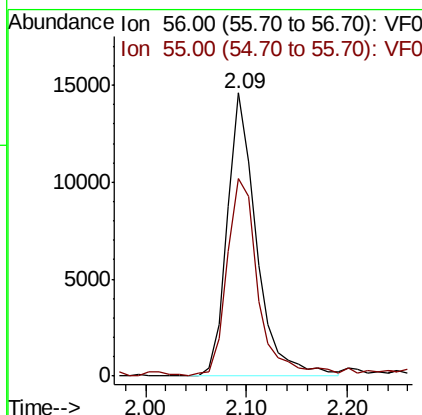
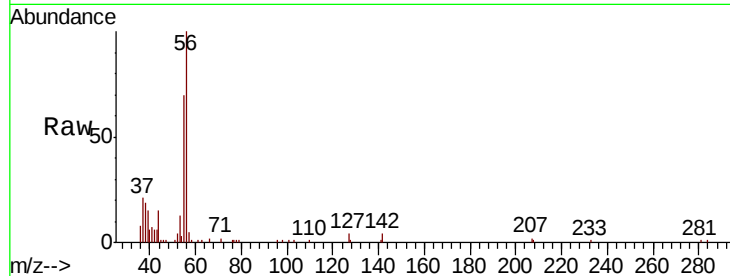
#13
Acrolein
Concen: 278.89 ug/l
RT: 2.09 min Scan# 158
Delta R.T. 0.00 min
Lab File: VF060032.D
Acq: 22 Aug 2018 11:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.9	65.6	98.4

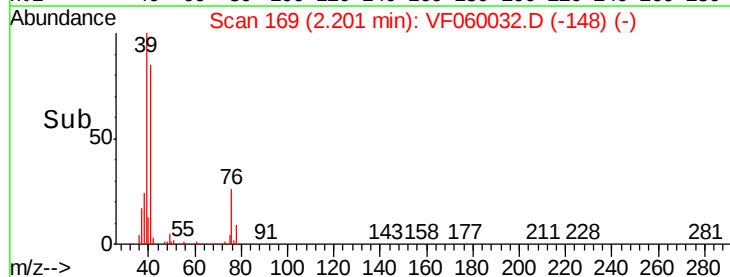
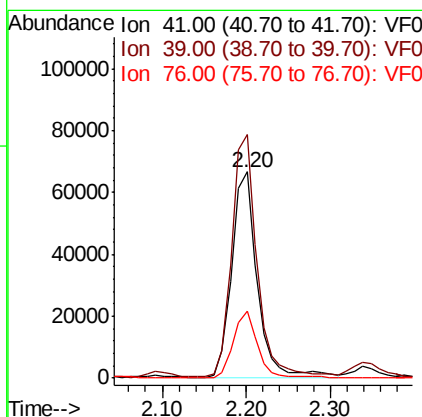
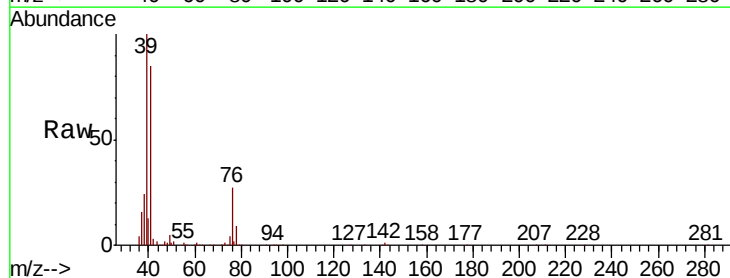
Manual Integrations
APPROVED

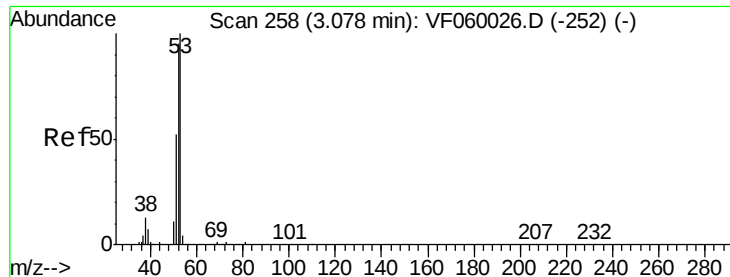
apatel
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#14
Allyl chloride
Concen: 52.62 ug/l
RT: 2.20 min Scan# 169
Delta R.T. 0.01 min
Lab File: VF060032.D
Acq: 22 Aug 2018 11:16

Tgt Ion	Ratio	Lower	Upper
41	100		
39	118.0	99.3	148.9
76	32.3	24.3	36.5





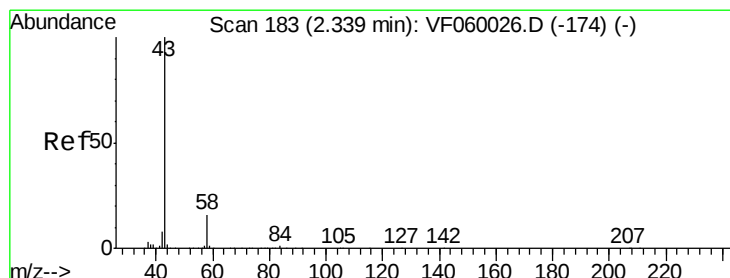
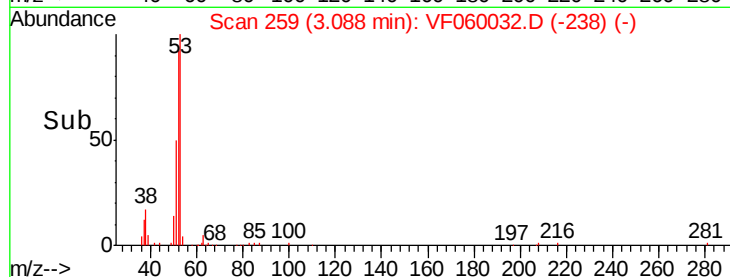
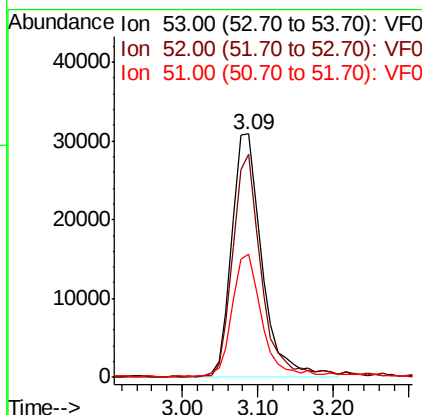
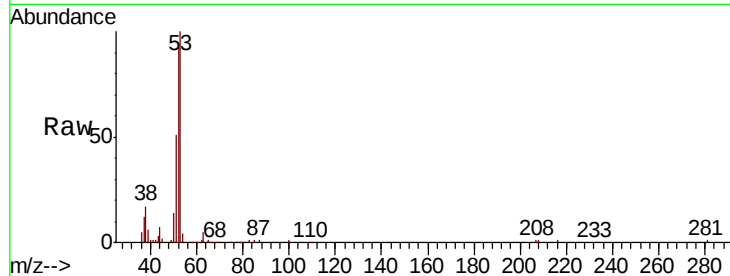
#15
 Acrylonitrile
 Concen: 255.51 ug/l
 RT: 3.09 min Scan# 259
 Delta R.T. 0.01 min
 Lab File: VF060032.D
 Acq: 22 Aug 2018 11:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	86044
Ion	Ratio	Lower	Upper
53	100		
52	91.6	75.8	113.8
51	50.6	42.1	63.1

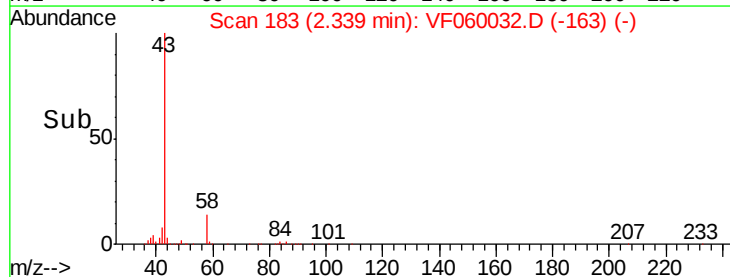
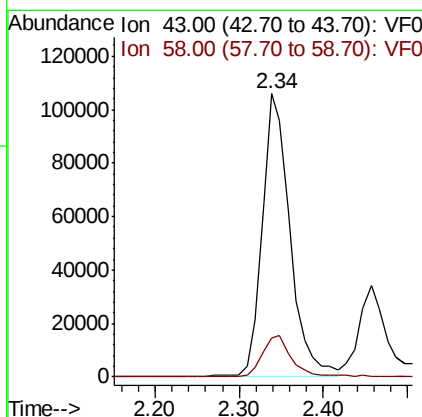
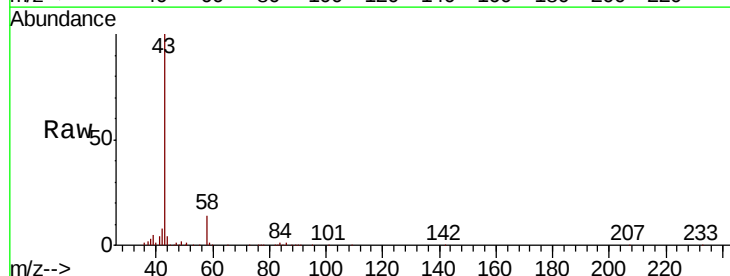
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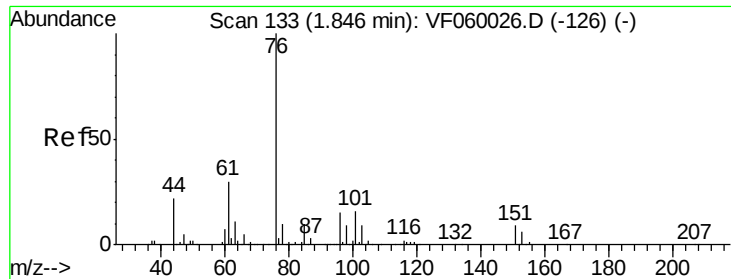
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#16
 Acetone
 Concen: 293.06 ug/l
 RT: 2.34 min Scan# 183
 Delta R.T. 0.00 min
 Lab File: VF060032.D
 Acq: 22 Aug 2018 11:16

Tgt Ion:	43	Resp:	247054
Ion	Ratio	Lower	Upper
43	100		
58	13.7	12.6	19.0





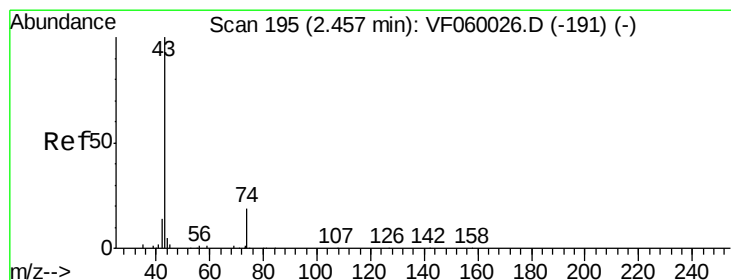
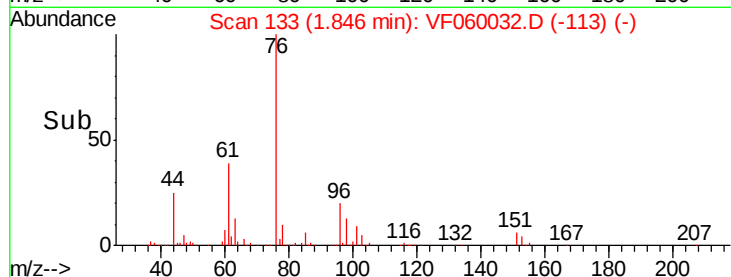
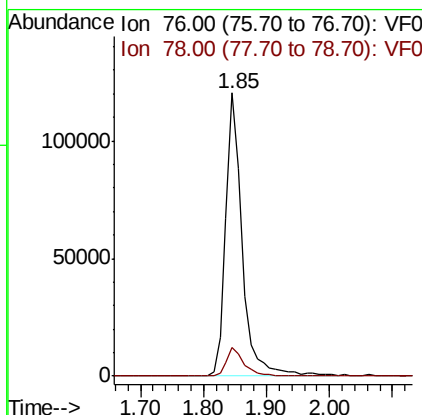
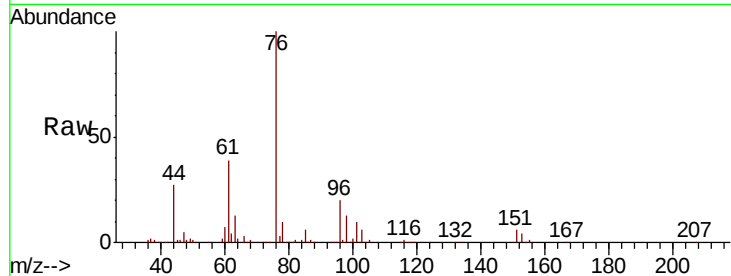
#17
Carbon Disulfide
Concen: 47.21 ug/l
RT: 1.85 min Scan# 133
Delta R.T. 0.00 min
Lab File: VF060032.D
Acq: 22 Aug 2018 11:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.1	8.4	12.6

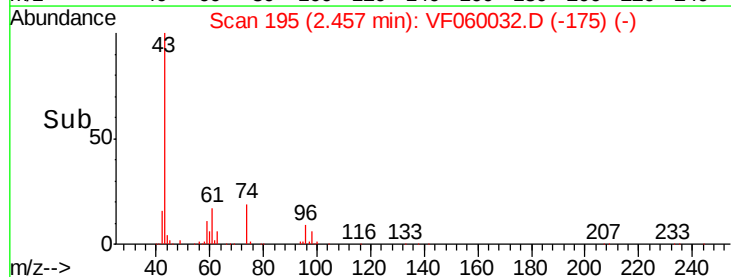
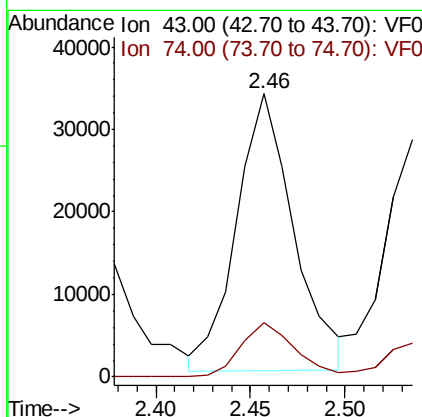
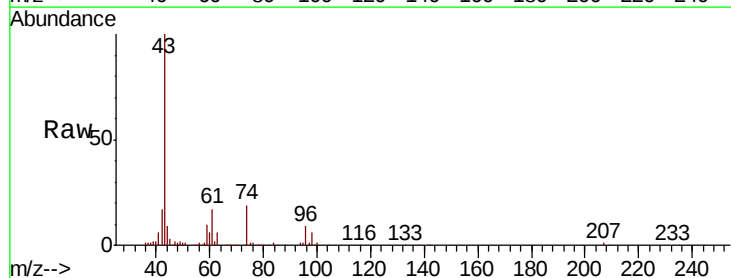
Manual Integrations
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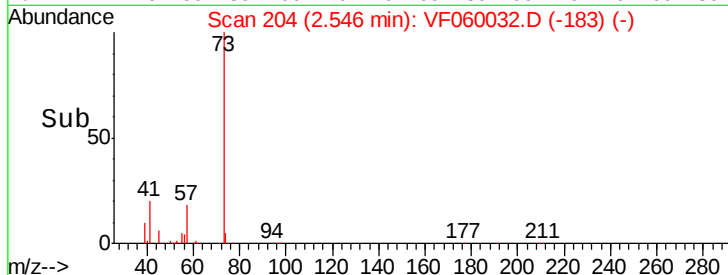
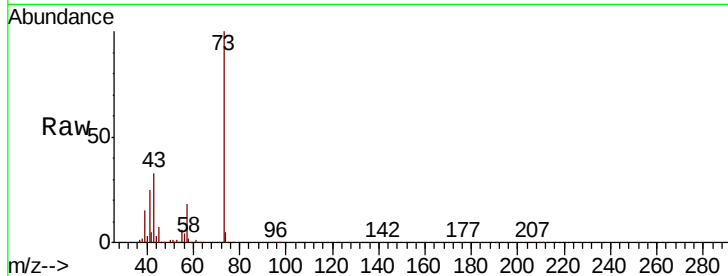
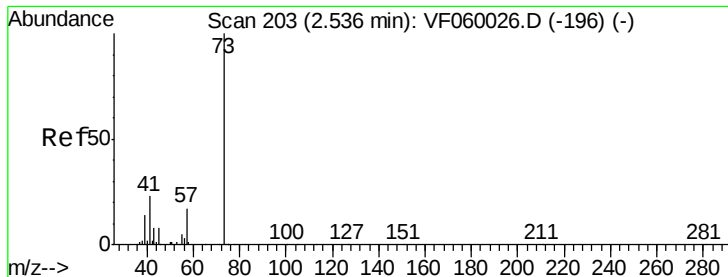
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#18
Methyl Acetate
Concen: 48.90 ug/l
RT: 2.46 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF060032.D
Acq: 22 Aug 2018 11:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.1	13.8	20.6





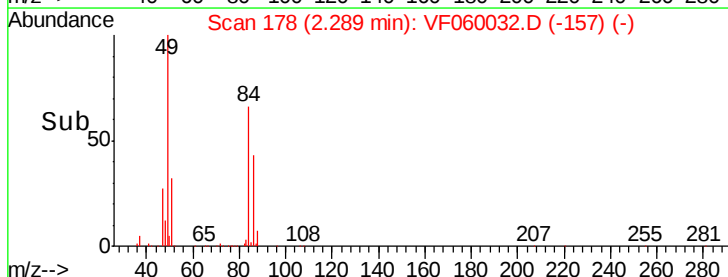
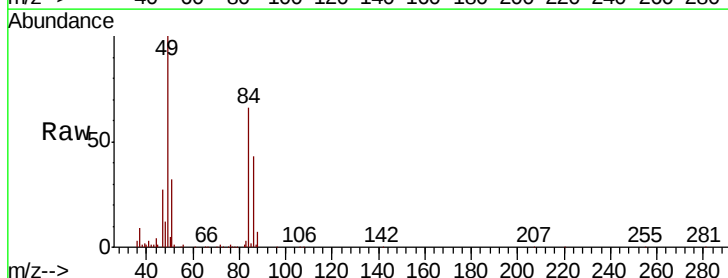
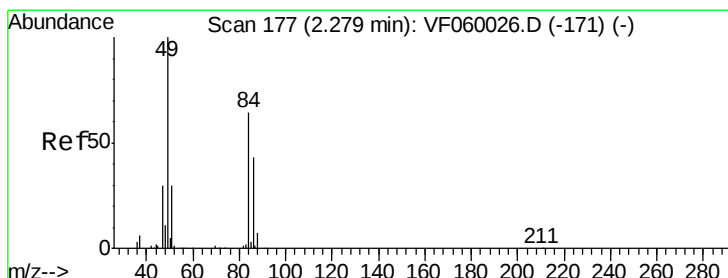
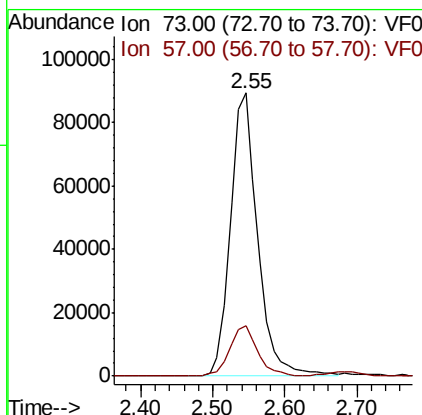
#19
Methyl tert-butyl Ether
Concen: 49.28 ug/l
RT: 2.55 min Scan# 204
Delta R.T. 0.01 min
Lab File: VF060032.D
Acq: 22 Aug 2018 11:16

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.6	13.7	20.5

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

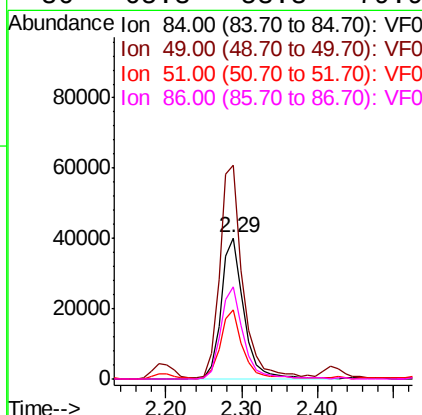
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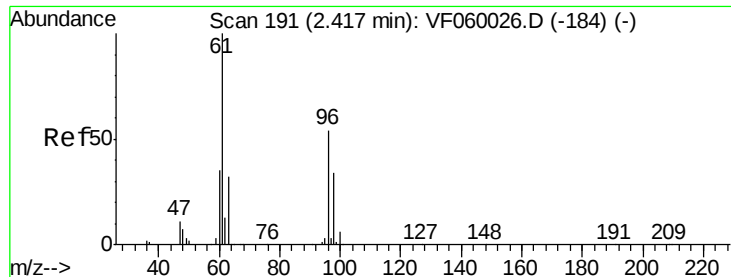
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#20
Methylene Chloride
Concen: 50.76 ug/l
RT: 2.29 min Scan# 178
Delta R.T. 0.01 min
Lab File: VF060032.D
Acq: 22 Aug 2018 11:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	151.1	125.4	188.0
51	49.1	38.3	57.5
86	65.3	53.3	79.9





#21

trans-1,2-Dichloroethene

Concen: 45.60 ug/l

RT: 2.42 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF060032.D

Acq: 22 Aug 2018 11:16

Instrument :

MSVOA_F

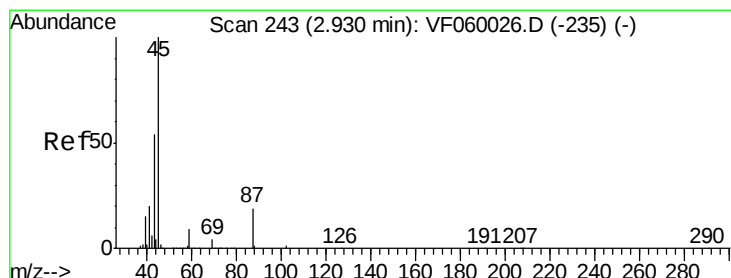
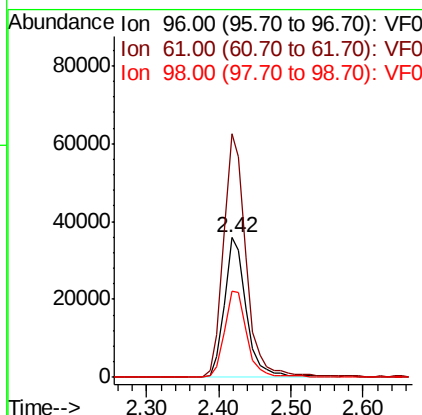
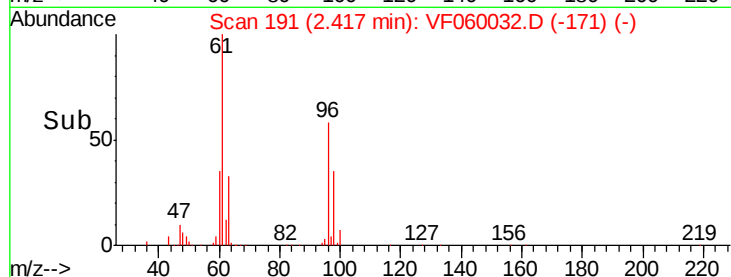
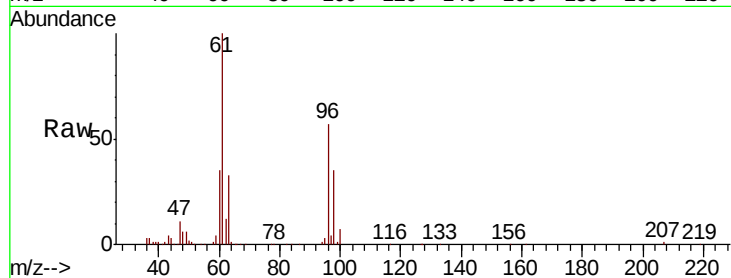
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	76017
Ion	Ratio	Lower	Upper
96	100		
61	174.1	147.4	221.0
98	61.6	49.8	74.6

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#22

Diisopropyl ether

Concen: 49.68 ug/l

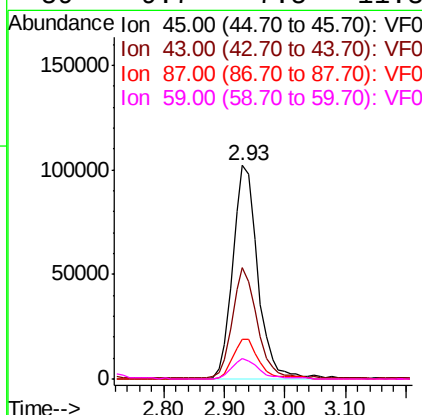
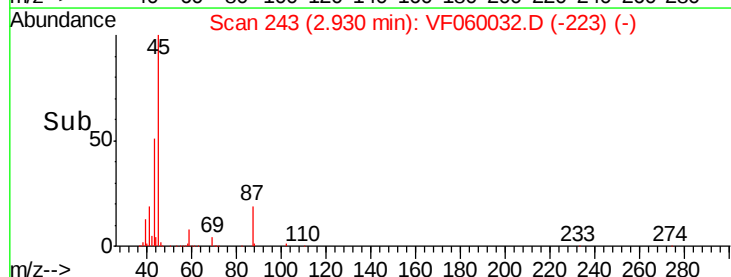
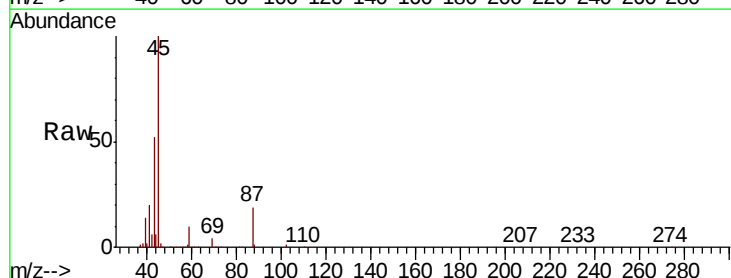
RT: 2.93 min Scan# 243

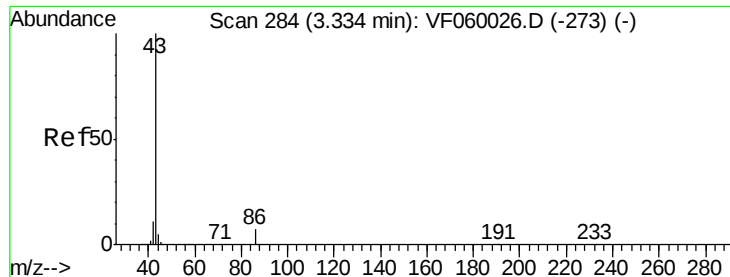
Delta R.T. 0.00 min

Lab File: VF060032.D

Acq: 22 Aug 2018 11:16

Tgt Ion:	45	Resp:	294338
Ion	Ratio	Lower	Upper
45	100		
43	52.0	43.4	65.2
87	18.9	15.4	23.2
59	9.7	7.5	11.3





#23

Vinyl Acetate

Concen: 238.66 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.01 min

Lab File: VF060032.D

Acq: 22 Aug 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 749111

Ion Ratio Lower Upper

43 100

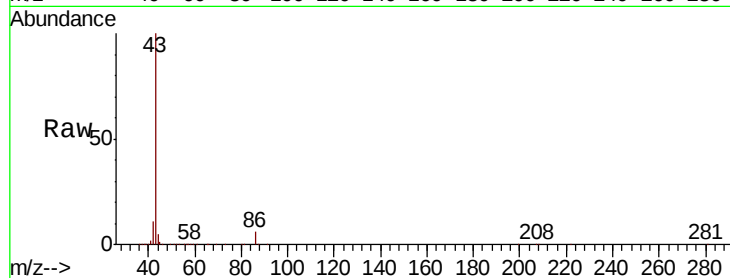
86 5.7 5.6 8.4

Manual Integrations

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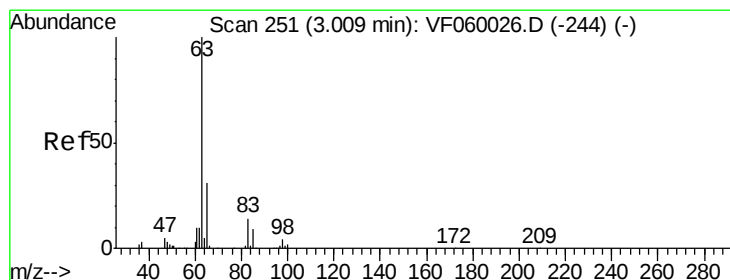
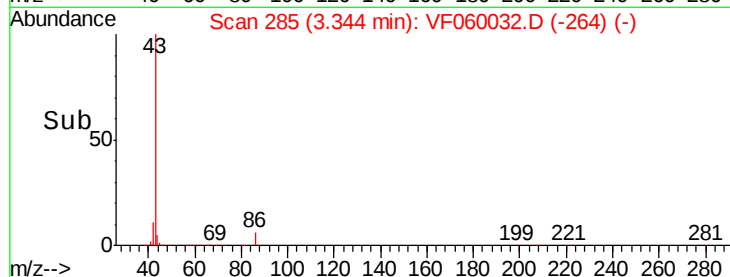
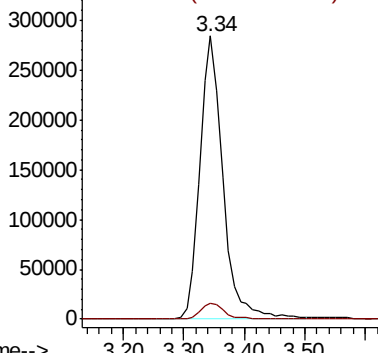
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 49.21 ug/l

RT: 3.01 min Scan# 251

Delta R.T. 0.00 min

Lab File: VF060032.D

Acq: 22 Aug 2018 11:16

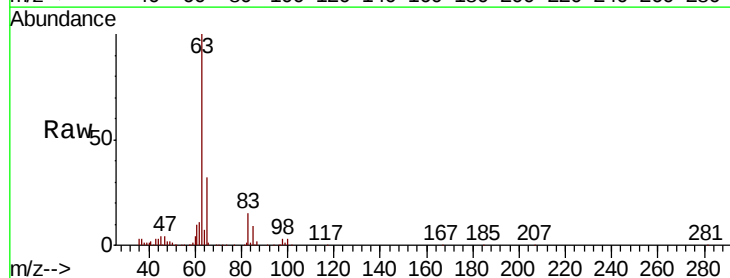
Tgt Ion: 63 Resp: 180127

Ion Ratio Lower Upper

63 100

98 3.9 2.1 6.5

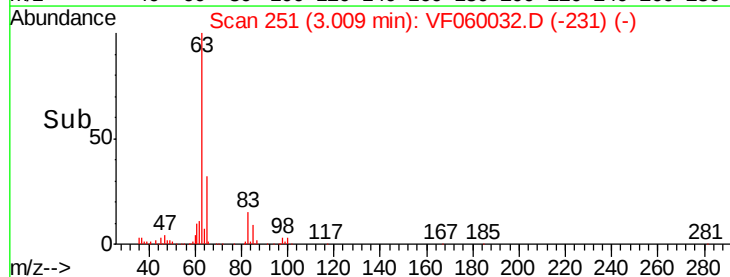
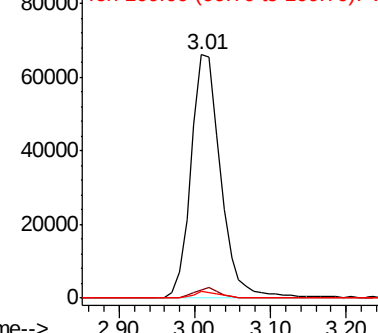
100 2.9 1.1 3.3

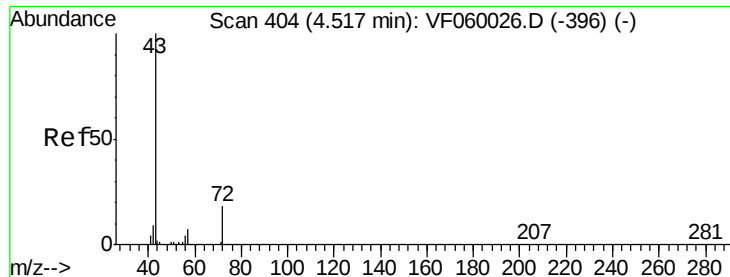


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 269.17 ug/l

RT: 4.53 min Scan# 405

Delta R.T. 0.01 min

Lab File: VF060032.D

Acq: 22 Aug 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 294754

Ion Ratio Lower Upper

43 100

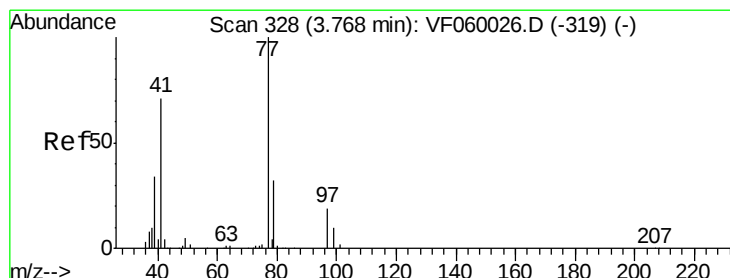
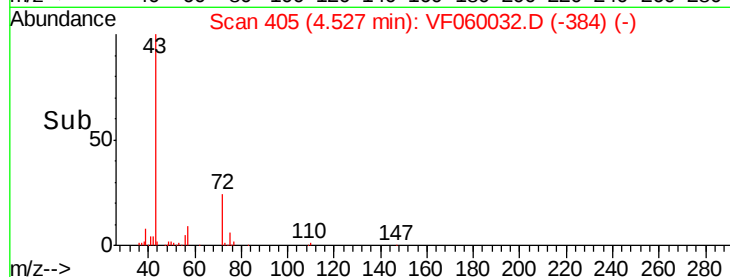
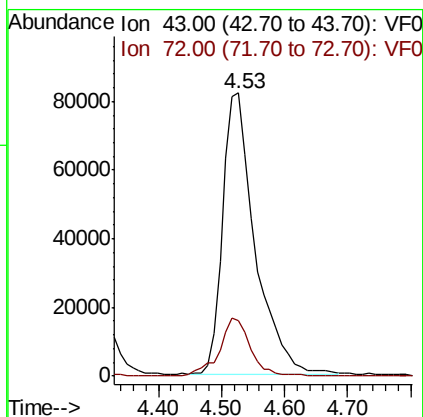
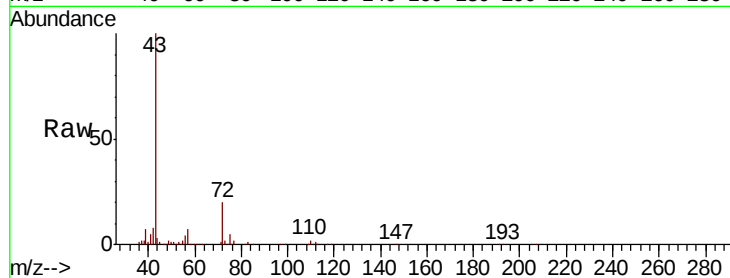
72 19.8 15.0 22.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 53.93 ug/l

RT: 3.78 min Scan# 329

Delta R.T. 0.01 min

Lab File: VF060032.D

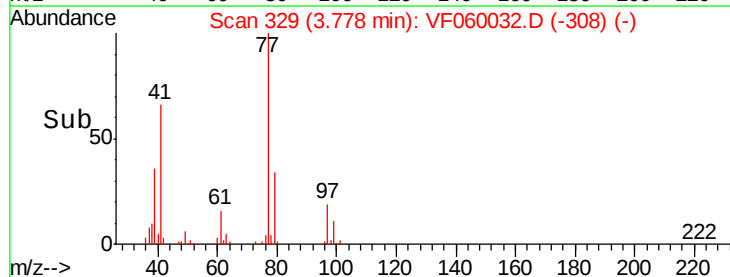
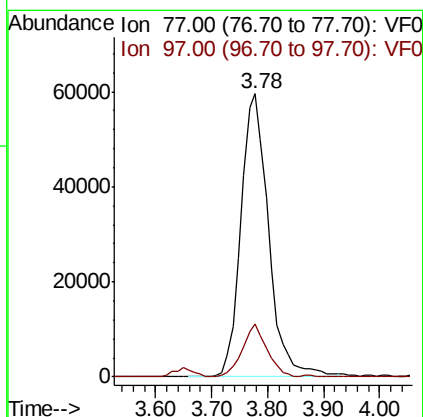
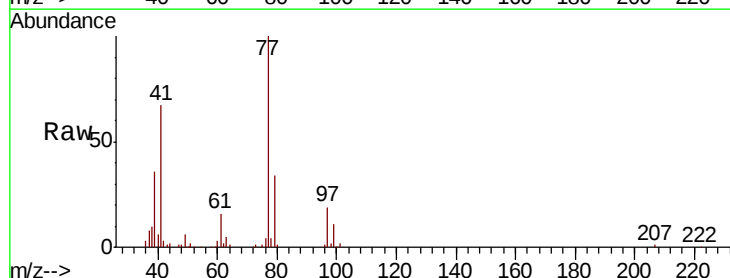
Acq: 22 Aug 2018 11:16

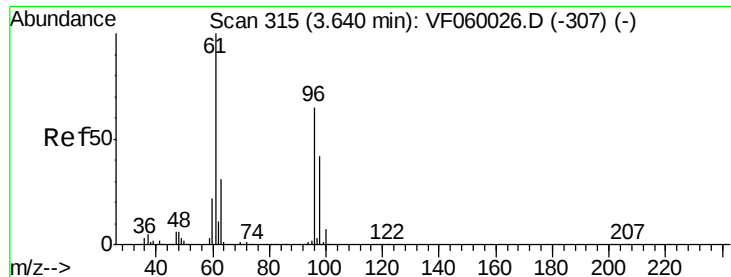
Tgt Ion: 77 Resp: 204211

Ion Ratio Lower Upper

77 100

97 18.7 9.7 29.1





#27

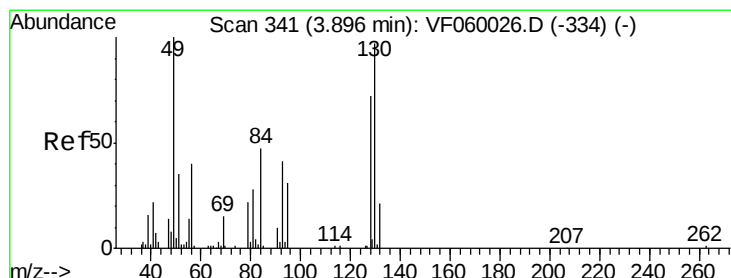
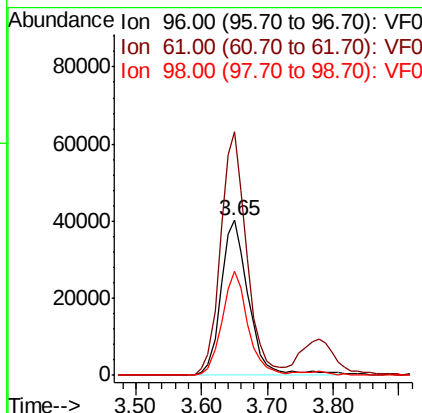
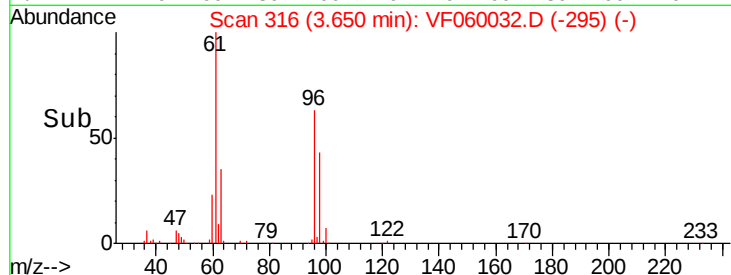
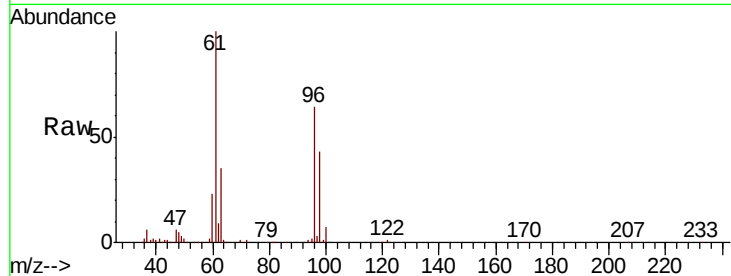
cis-1,2-Dichloroethene
Concen: 49.74 ug/l
RT: 3.65 min Scan# 316
Delta R.T. 0.01 min
Lab File: VF060032.D
Acq: 22 Aug 2018 11:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.1	0.0	307.6
98	67.6	0.0	128.4

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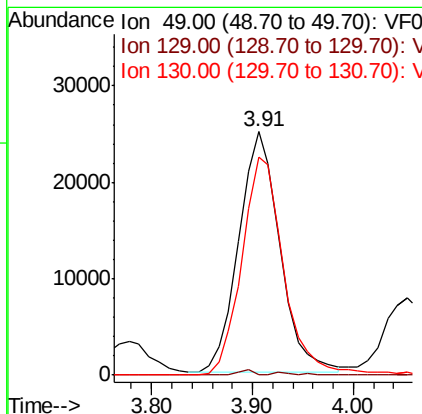
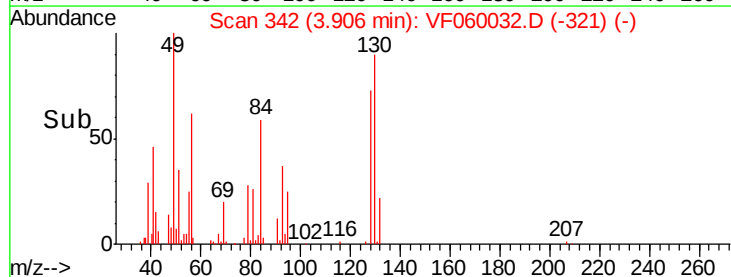
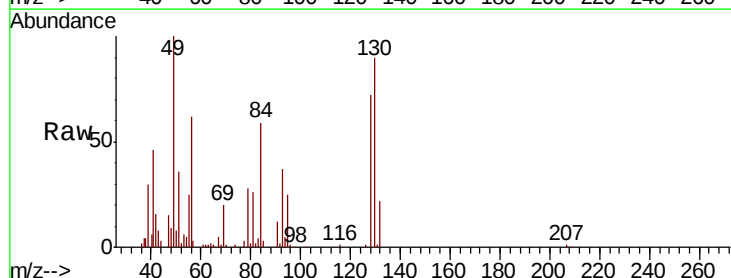
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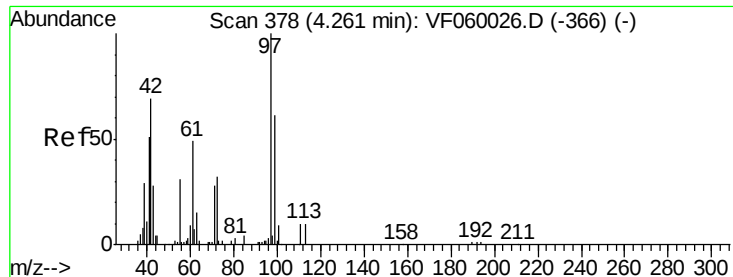


#28

Bromochloromethane
Concen: 45.95 ug/l
RT: 3.91 min Scan# 342
Delta R.T. 0.01 min
Lab File: VF060032.D
Acq: 22 Aug 2018 11:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	7.4
130	90.6	78.0	117.0





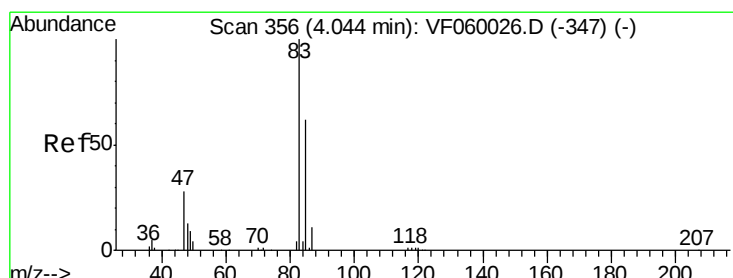
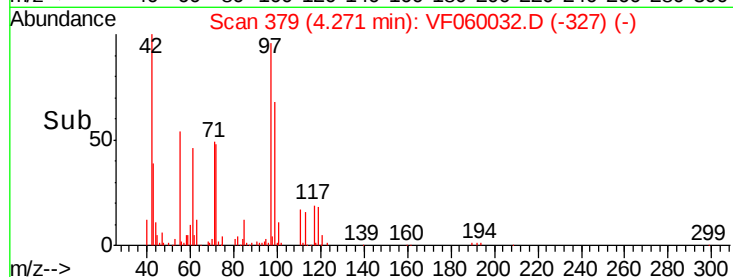
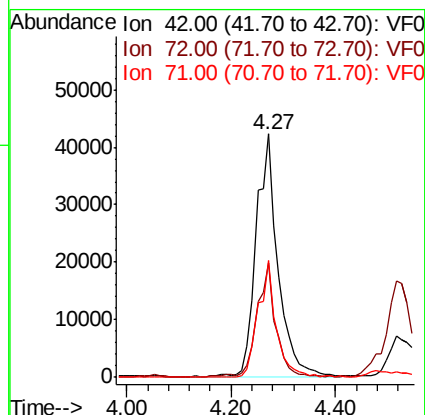
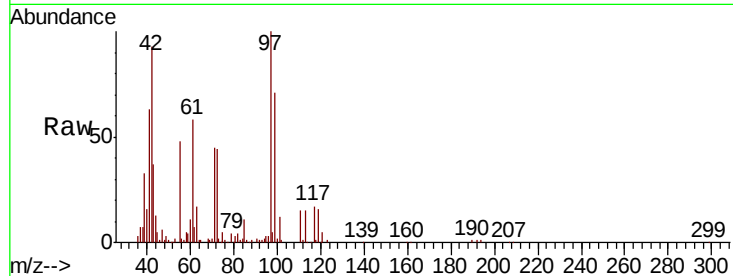
#29
Tetrahydrofuran
Concen: 294.34 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.01 min
Lab File: VF060032.D
Acq: 22 Aug 2018 11:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.5	31.4	47.2
71	39.7	29.7	44.5

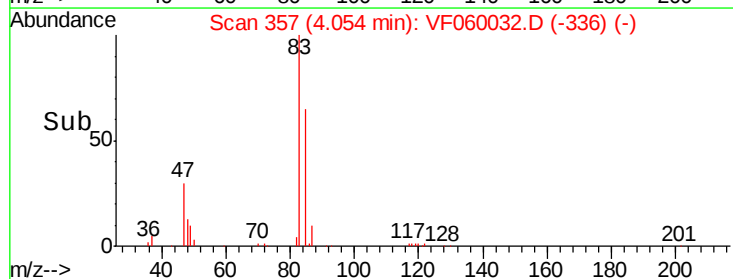
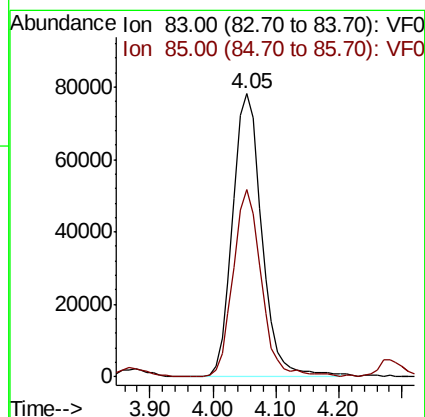
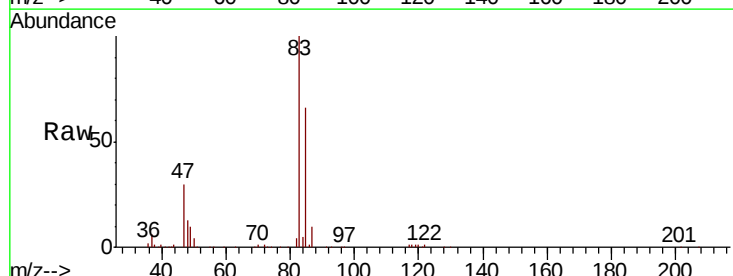
Manual Integrations
APPROVED

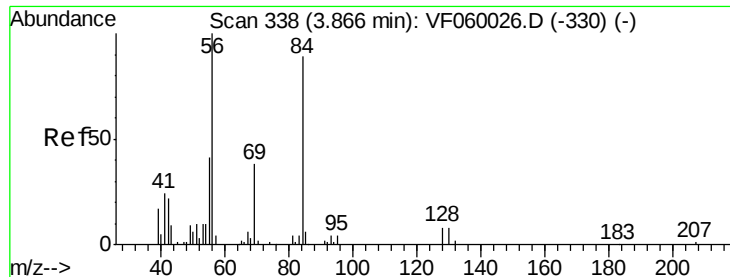
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#30
Chloroform
Concen: 48.76 ug/l
RT: 4.05 min Scan# 357
Delta R.T. 0.01 min
Lab File: VF060032.D
Acq: 22 Aug 2018 11:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	49.5	74.3





#31

Cyclohexane

Concen: 50.51 ug/l

RT: 3.88 min Scan# 339

Delta R.T. 0.01 min

Lab File: VF060032.D

Acq: 22 Aug 2018 11:16

Instrument :

MSVOA_F

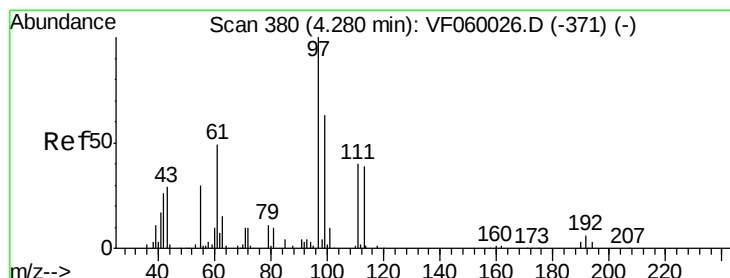
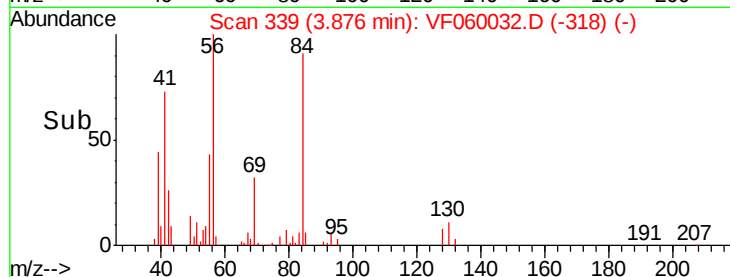
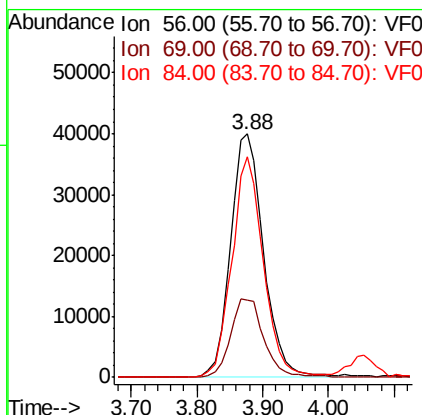
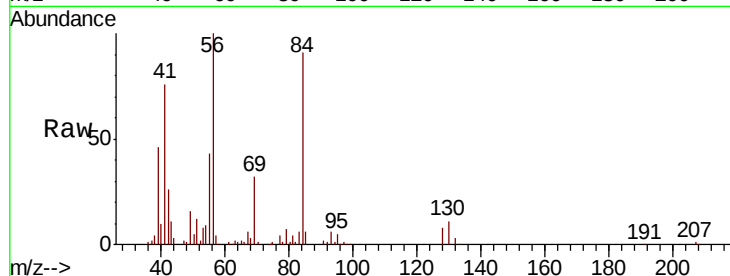
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	140880
Ion	Ratio	Lower	Upper
56	100		
69	31.9	30.4	45.6
84	90.8	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 50.34 ug/l

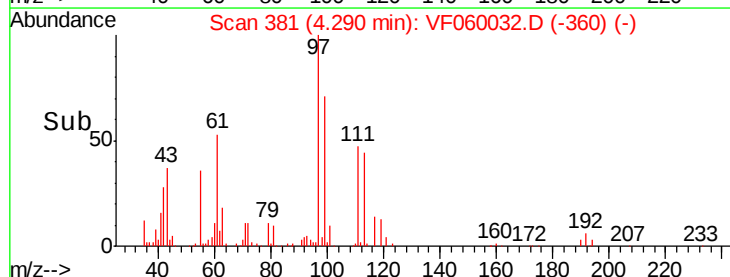
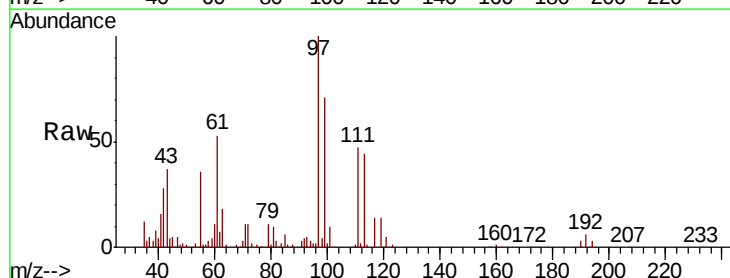
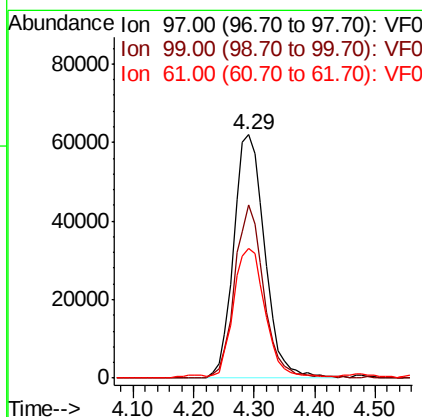
RT: 4.29 min Scan# 381

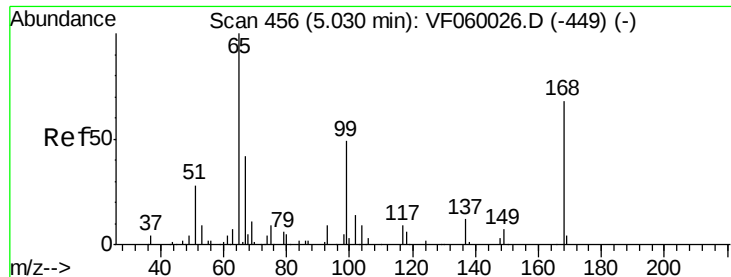
Delta R.T. 0.01 min

Lab File: VF060032.D

Acq: 22 Aug 2018 11:16

Tgt Ion:	97	Resp:	221464
Ion	Ratio	Lower	Upper
97	100		
99	71.0	50.3	75.5
61	53.3	40.3	60.5





#33

1,2-Dichloroethane-d4

Concen: 47.13 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF060032.D

Acq: 22 Aug 2018 11:16

Tot Ion: 65 Resp: 151176

Ion Ratio Lower Upper

65 100

67 48.8 0.0 92.0

Instrument :

MSVOA_F

ClientSampleId :

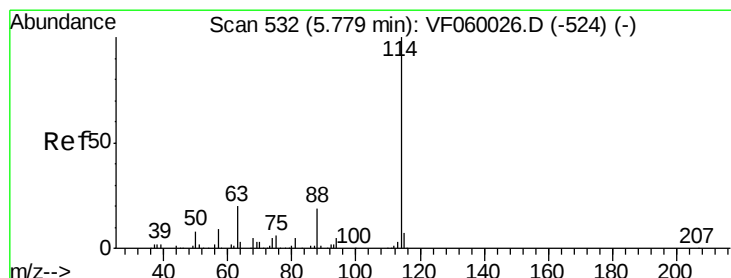
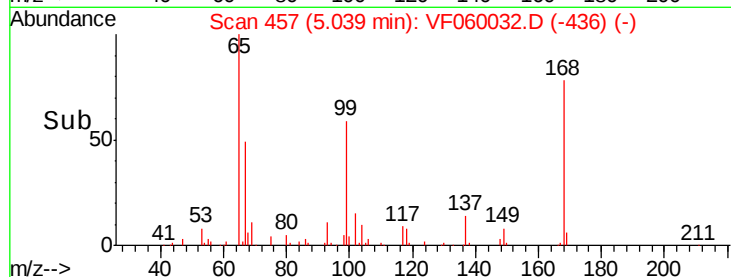
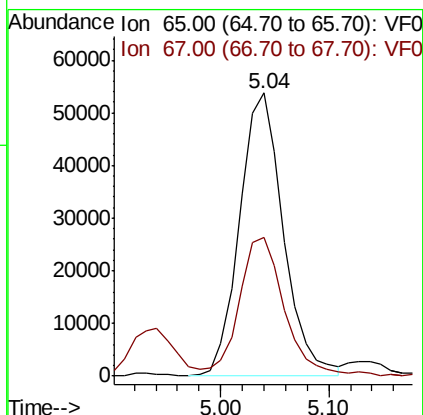
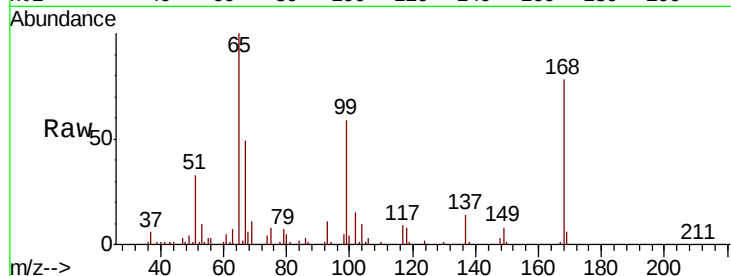
VSTDCCC050

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.79 min Scan# 533

Delta R.T. 0.01 min

Lab File: VF060032.D

Acq: 22 Aug 2018 11:16

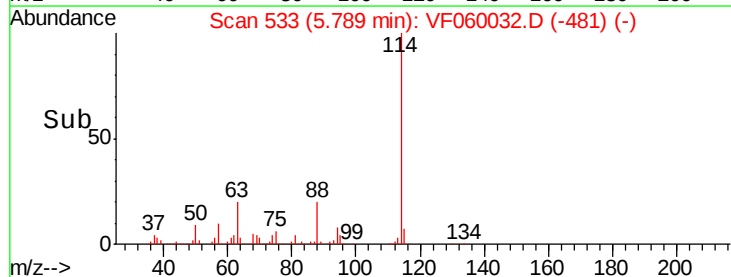
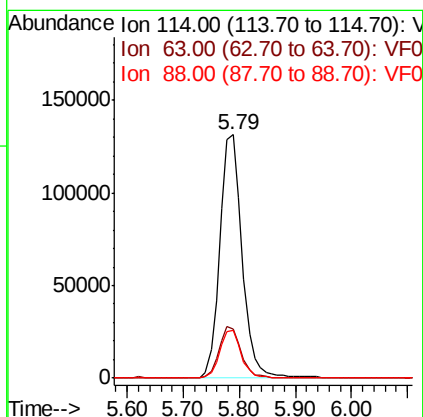
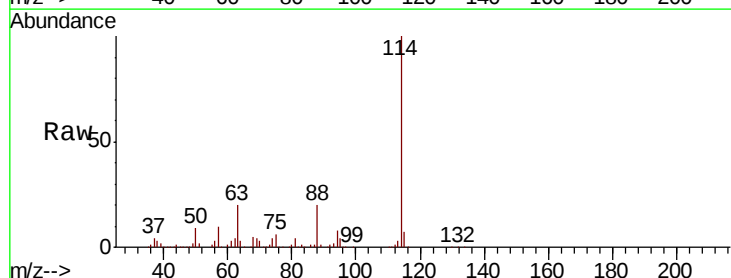
Tgt Ion: 114 Resp: 365924

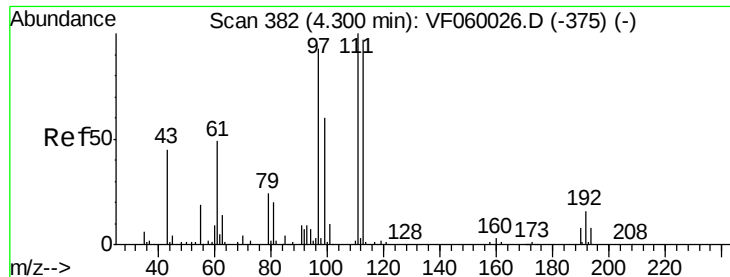
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.4

88 19.6 0.0 38.6





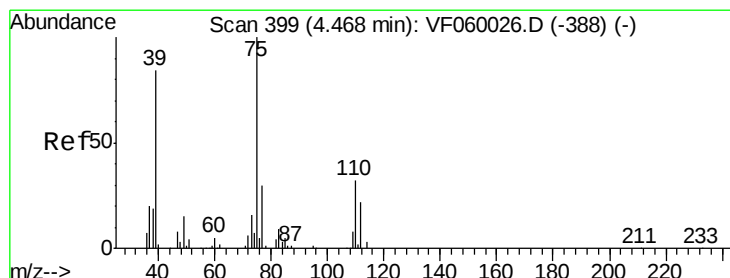
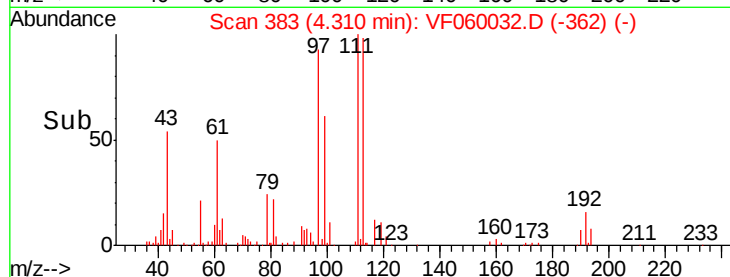
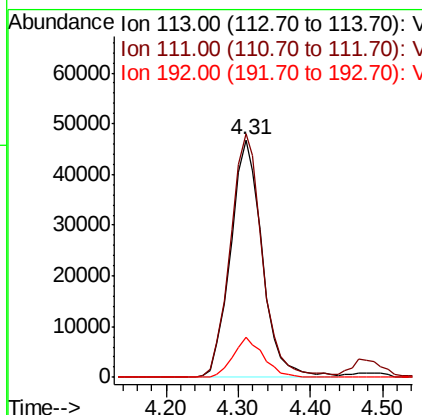
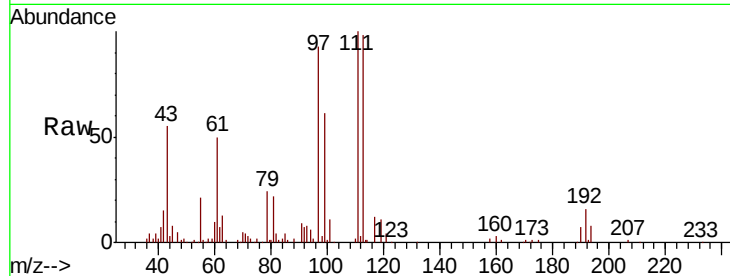
#35
 Dibromofluoromethane
 Concen: 49.96 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. 0.01 min
 Lab File: VF060032.D
 Acq: 22 Aug 2018 11:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.7	124.1
192	16.5	13.0	19.4

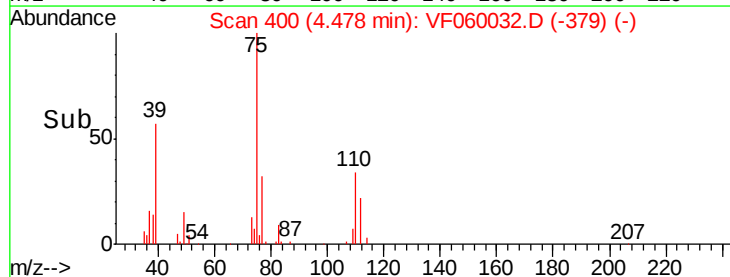
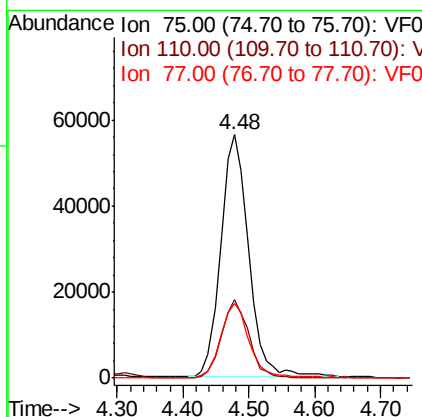
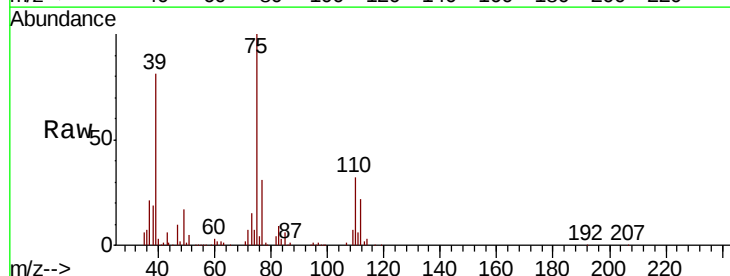
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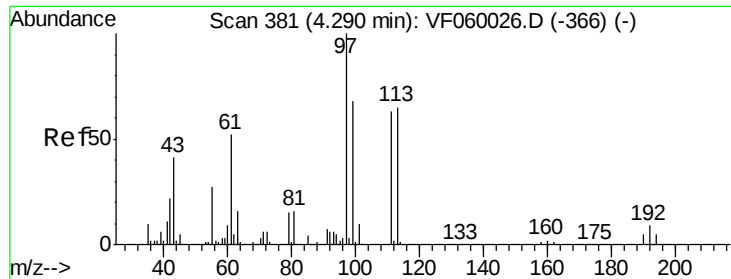
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#36
 1,1-Dichloropropene
 Concen: 48.55 ug/l
 RT: 4.48 min Scan# 400
 Delta R.T. 0.01 min
 Lab File: VF060032.D
 Acq: 22 Aug 2018 11:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.4	16.0	47.9
77	30.7	24.1	36.1





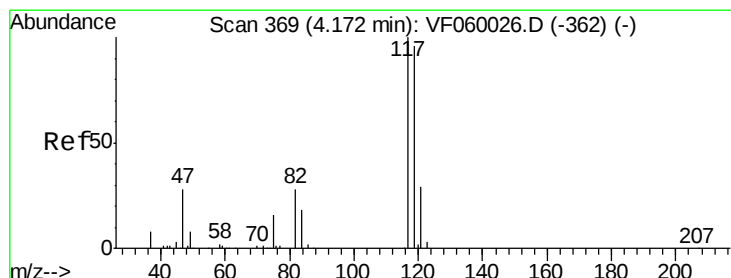
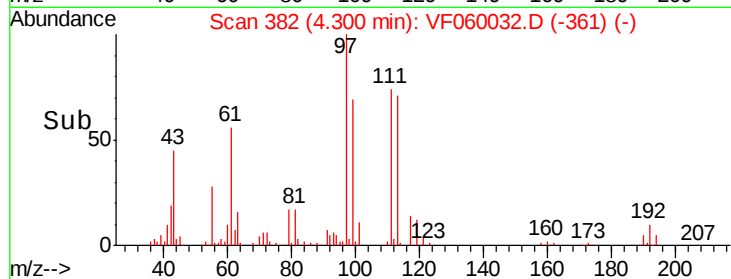
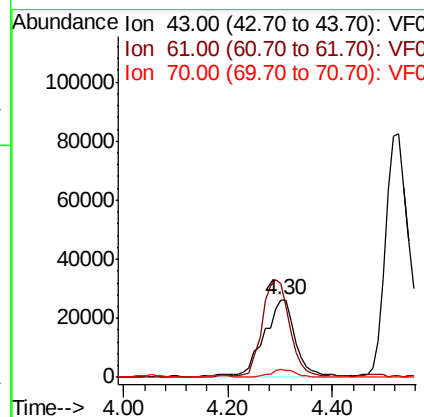
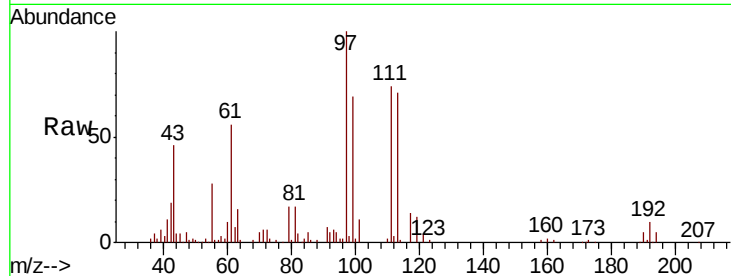
#37
Ethyl Acetate
Concen: 53.22 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.01 min
Lab File: VF060032.D
Acq: 22 Aug 2018 11:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	43	61	70	Ratio	Lower	Upper
109440	100	120.5	10.1			
		101.5	6.4			
		152.3	9.6			

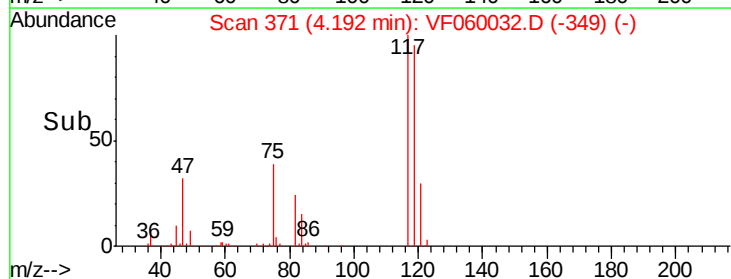
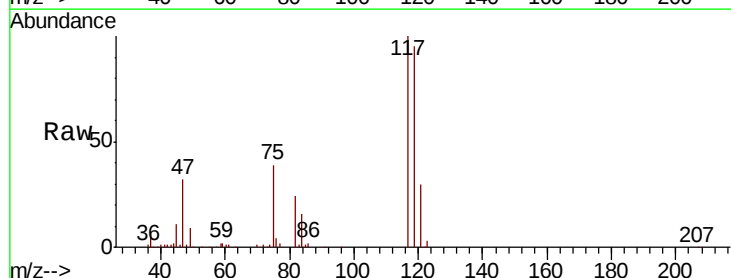
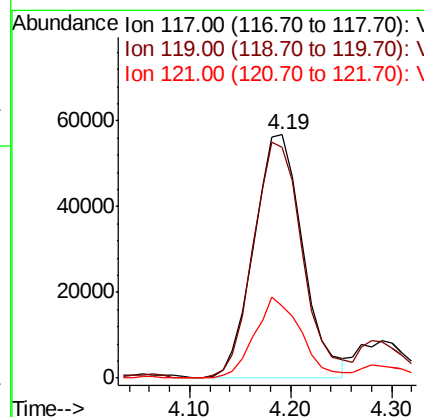
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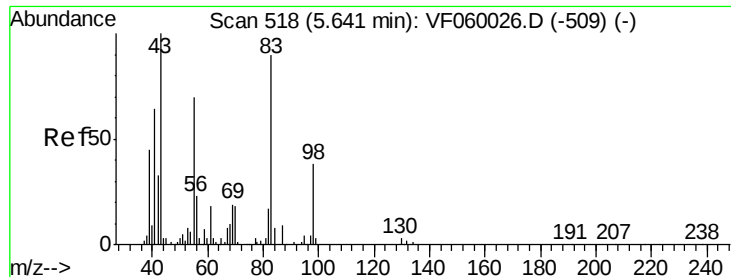
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#38
Carbon Tetrachloride
Concen: 48.29 ug/l
RT: 4.19 min Scan# 371
Delta R.T. 0.02 min
Lab File: VF060032.D
Acq: 22 Aug 2018 11:16

Tgt Ion	117	119	121	Ratio	Lower	Upper
192287	100	95.1	29.7			
		76.5	23.0			
		114.7	34.6			





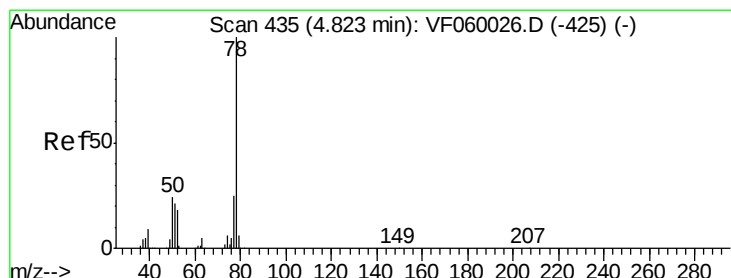
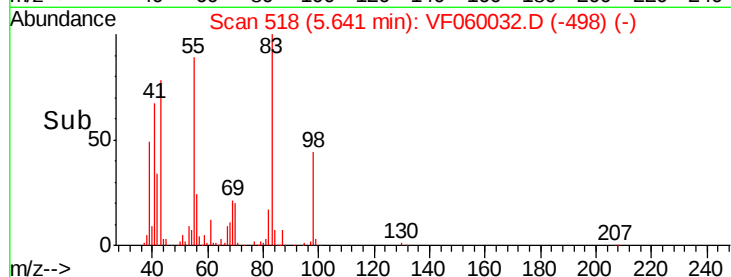
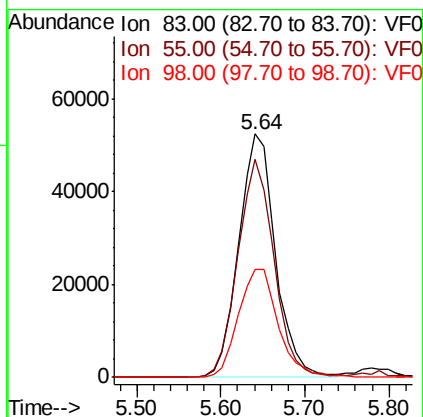
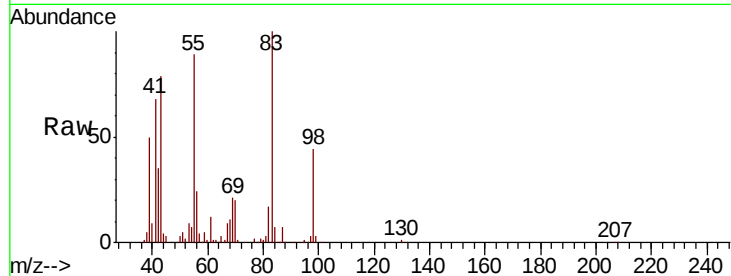
#39
Methvlcvclohexane
Concen: 49.63 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF060032.D
Acq: 22 Aug 2018 11:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.5	62.7	94.1
98	44.3	33.8	50.8

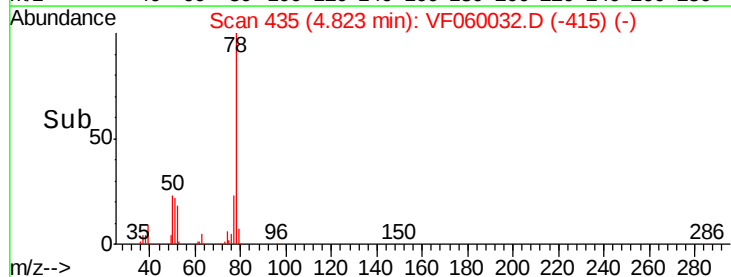
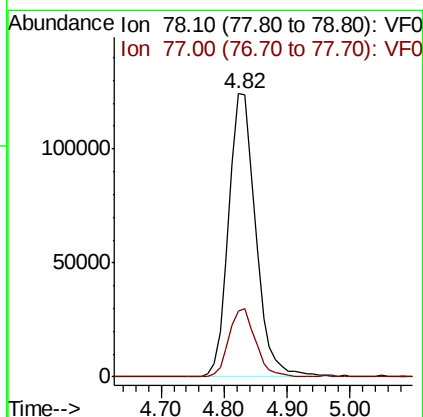
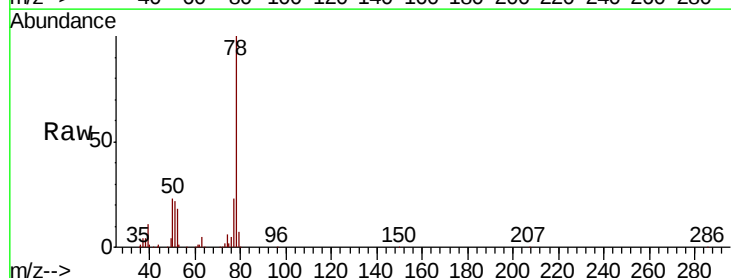
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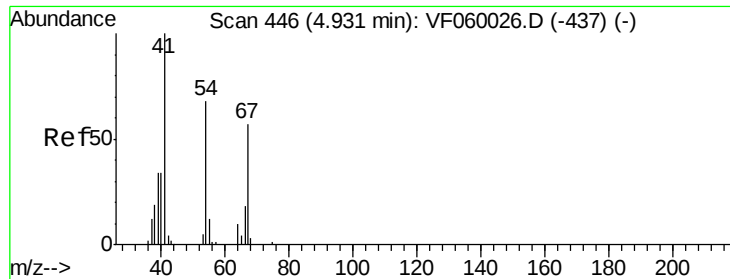
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#40
Benzene
Concen: 49.35 ug/l
RT: 4.82 min Scan# 435
Delta R.T. -0.00 min
Lab File: VF060032.D
Acq: 22 Aug 2018 11:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.8	29.6





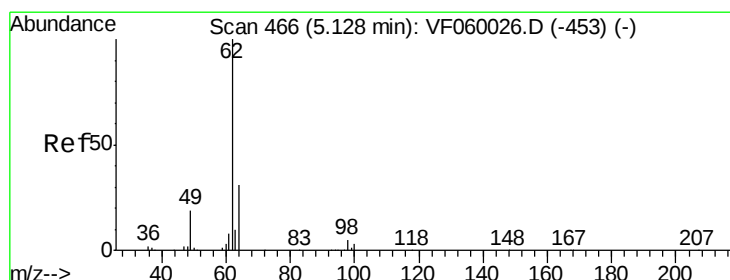
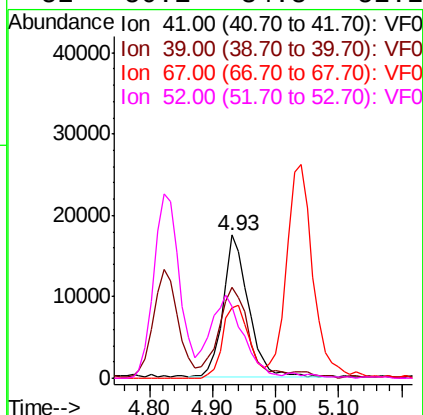
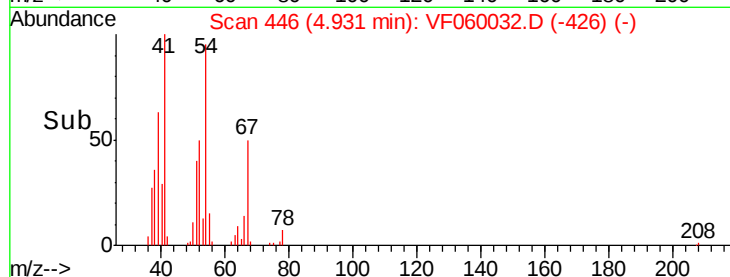
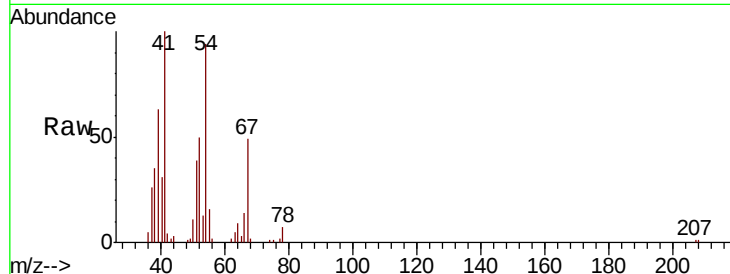
#41
Methacrylonitrile
Concen: 46.22 ug/l
RT: 4.93 min Scan# 446
Delta R.T. 0.00 min
Lab File: VF060032.D
Acq: 22 Aug 2018 11:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.2	52.9	79.3
67	49.0	45.3	67.9
52	50.1	34.8	52.2

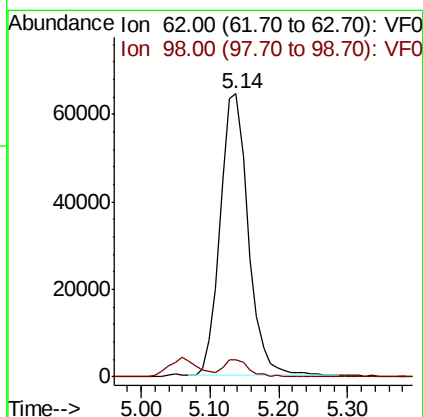
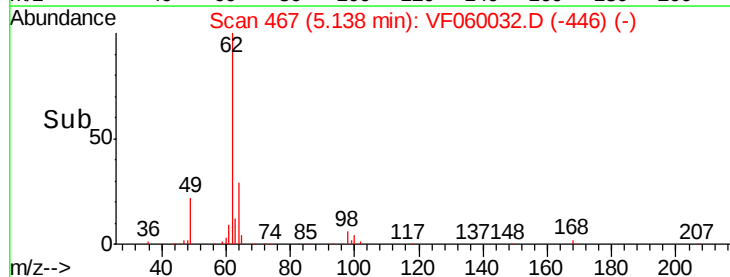
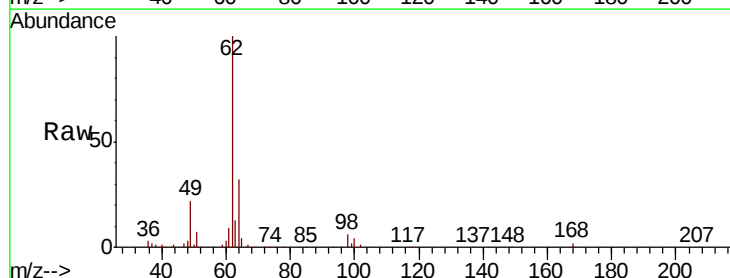
Manual Integrations
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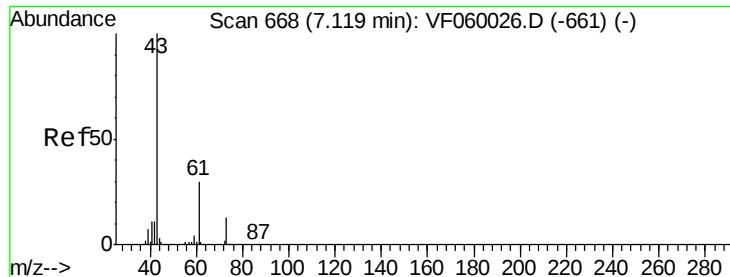
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#42
1,2-Dichloroethane
Concen: 45.27 ug/l
RT: 5.14 min Scan# 467
Delta R.T. 0.01 min
Lab File: VF060032.D
Acq: 22 Aug 2018 11:16

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.2	0.0	11.2





#43

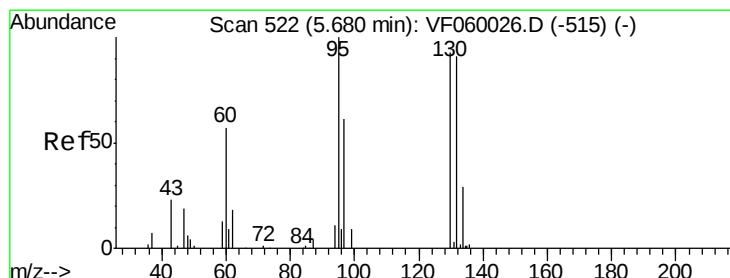
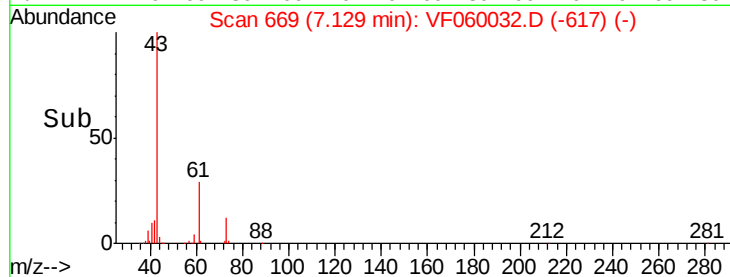
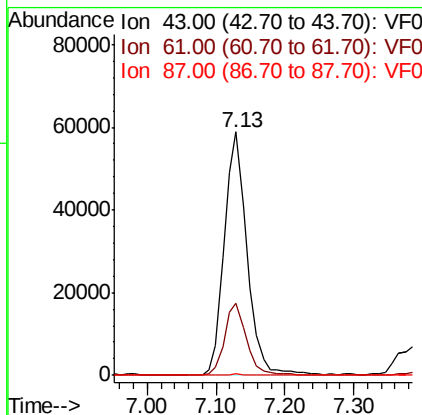
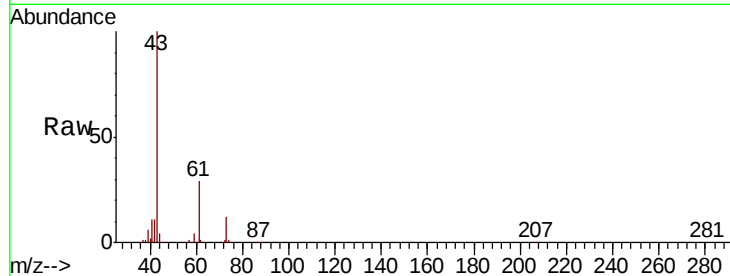
Isopropyl Acetate
 Concen: 51.57 ug/l
 RT: 7.13 min Scan# 669
 Delta R.T. 0.01 min
 Lab File: VF060032.D
 Acq: 22 Aug 2018 11:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.4	23.8	35.6
87	0.5	0.2	0.4

Manual Integrations
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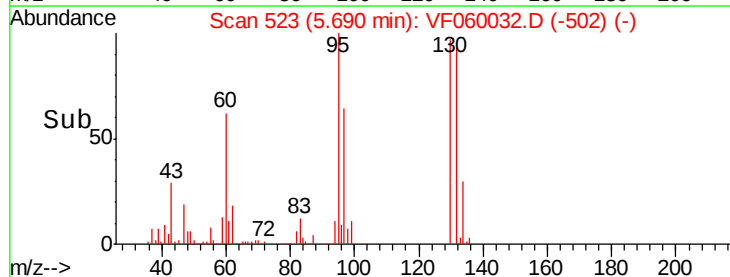
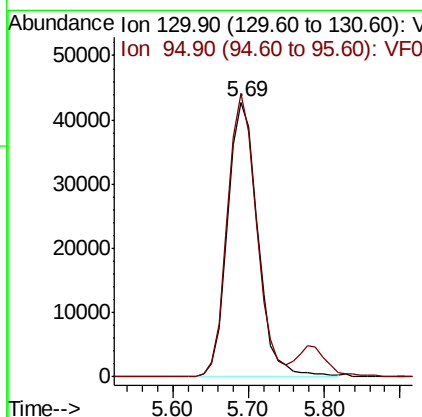
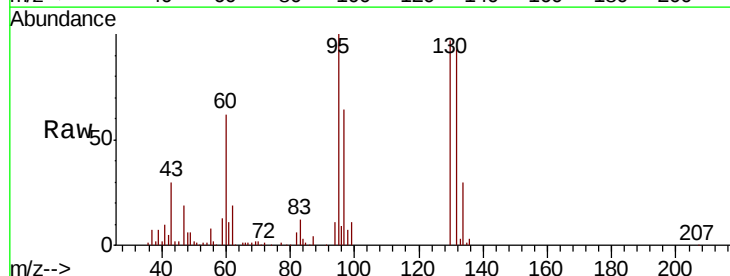
apatel
 8/23/2018 10:18:35 AM



#44

Trichloroethene
 Concen: 47.42 ug/l
 RT: 5.69 min Scan# 523
 Delta R.T. 0.01 min
 Lab File: VF060032.D
 Acq: 22 Aug 2018 11:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.1	0.0	215.8





#45

1,2-Dichloropropane

Concen: 52.97 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.01 min

Lab File: VF060032.D

Acq: 22 Aug 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 112546

Ion Ratio Lower Upper

63 100

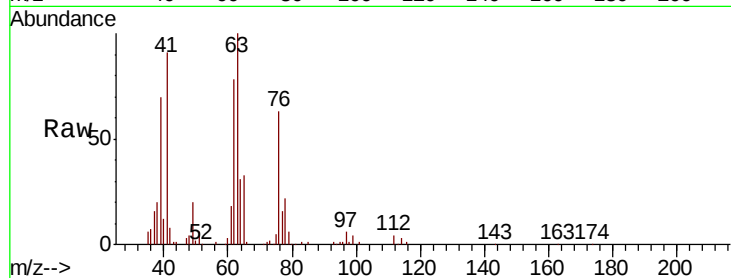
65 32.5 23.8 35.6

Manual Integrations

APPROVED

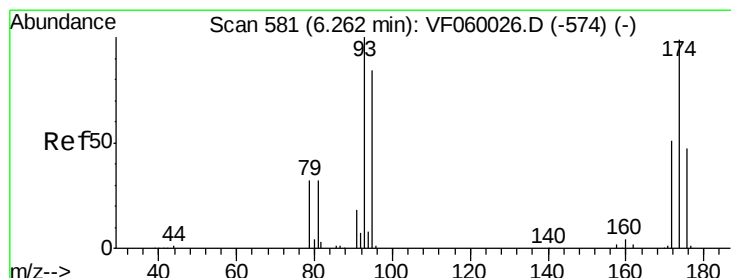
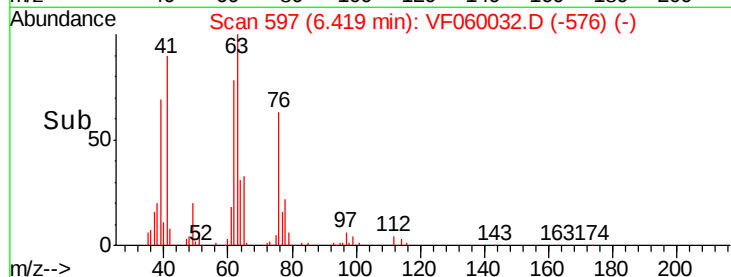
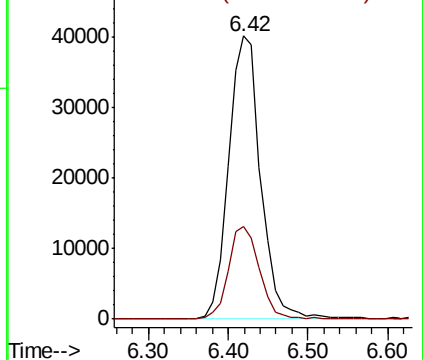
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 50.36 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.01 min

Lab File: VF060032.D

Acq: 22 Aug 2018 11:16

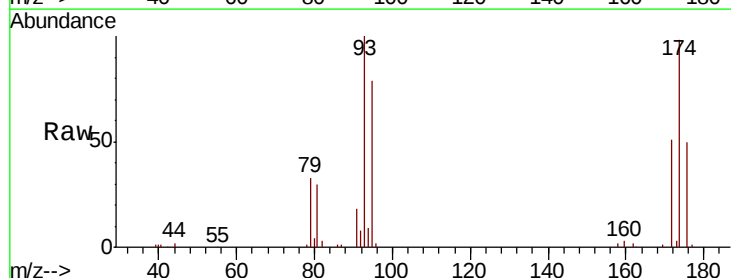
Tgt Ion: 93 Resp: 83731

Ion Ratio Lower Upper

93 100

95 78.5 67.1 100.7

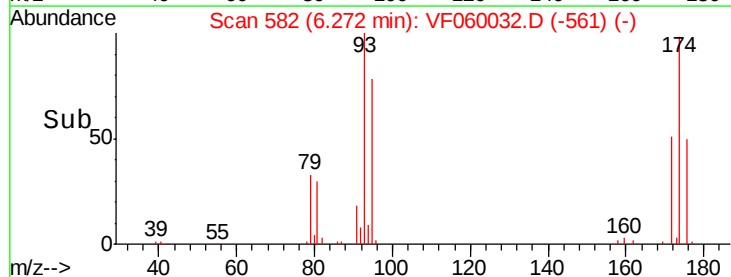
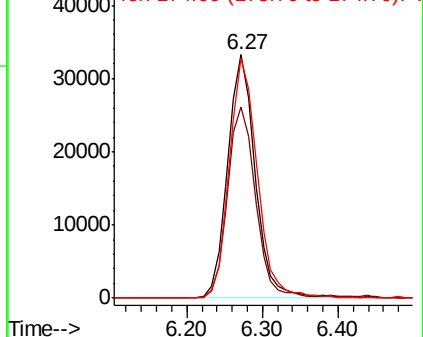
174 98.3 79.0 118.4

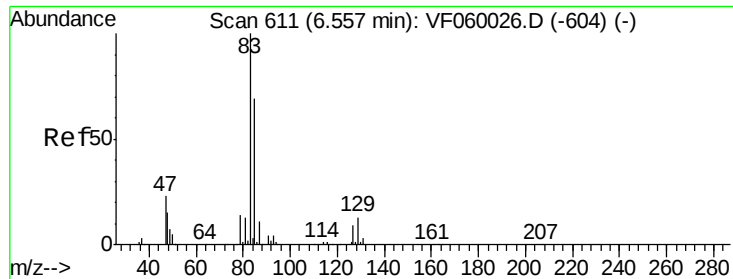


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 49.76 ug/l

RT: 6.57 min Scan# 612

Delta R.T. 0.01 min

Lab File: VF060032.D

Acq: 22 Aug 2018 11:16

Instrument :

MSVOA_F

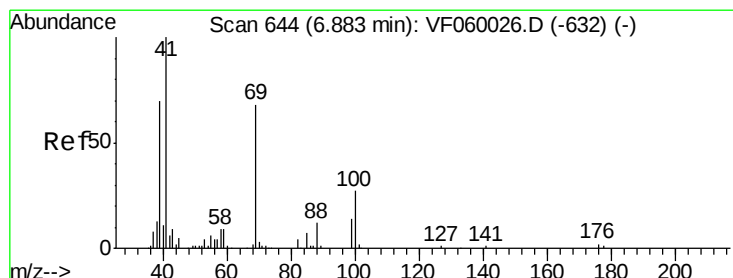
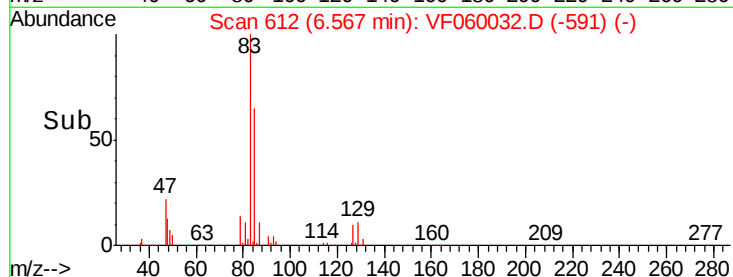
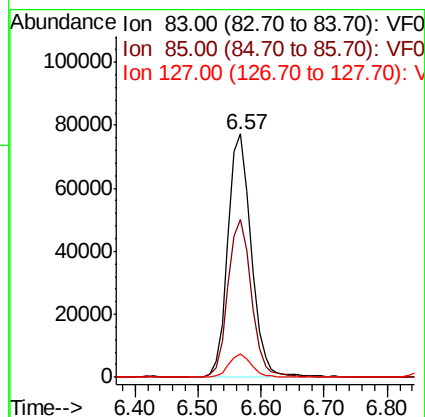
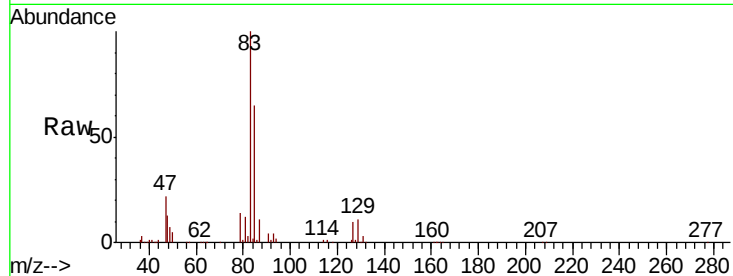
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	199825
Ion Ratio	Lower	Upper	
83	100		
85	64.7	55.2	82.8
127	9.8	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.49 ug/l

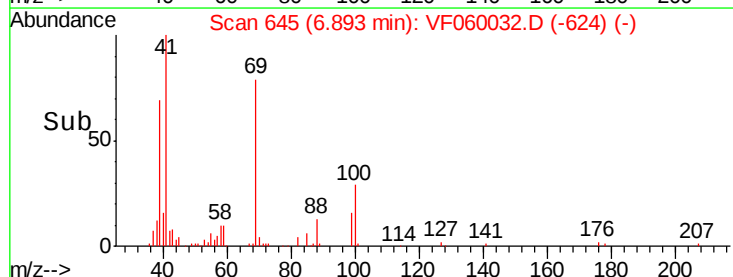
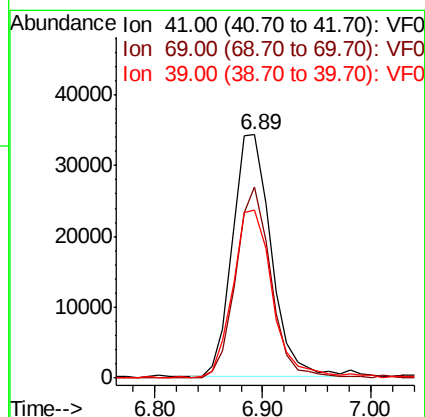
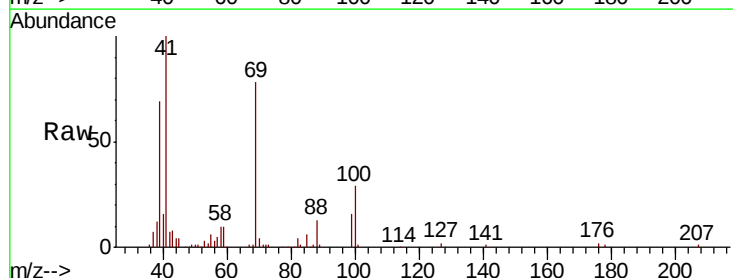
RT: 6.89 min Scan# 645

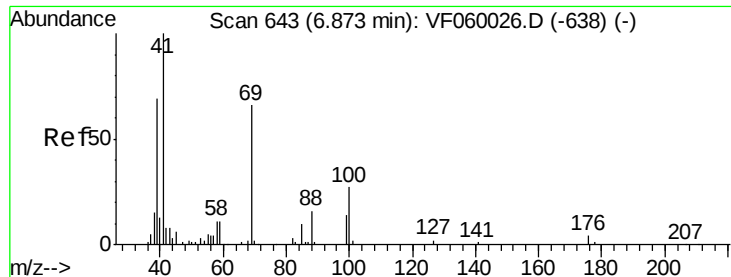
Delta R.T. 0.01 min

Lab File: VF060032.D

Acq: 22 Aug 2018 11:16

Tgt Ion:	41	Resp:	84775
Ion Ratio	Lower	Upper	
41	100		
69	78.4	54.6	81.8
39	69.2	56.5	84.7





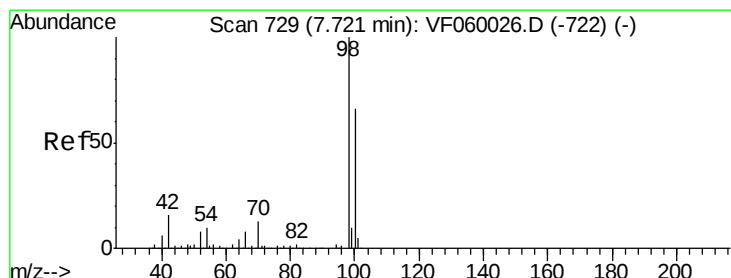
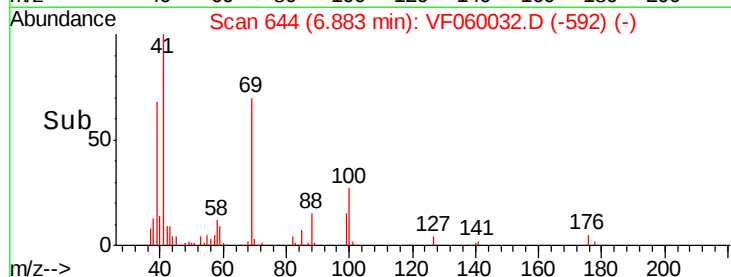
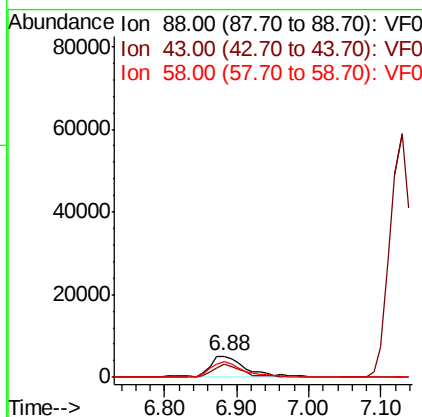
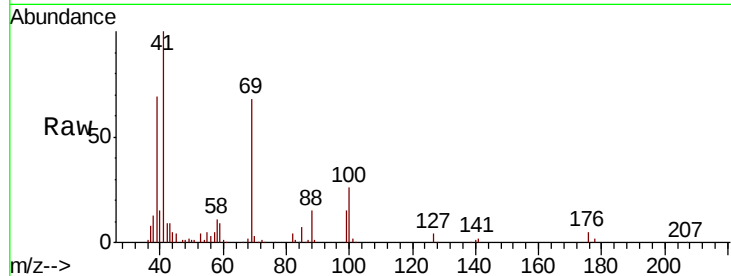
#49
1,4-Dioxane
Concen: 1076.11 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.01 min
Lab File: VF060032.D
Acq: 22 Aug 2018 11:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	63.0		46.5	69.7
58	75.6		54.8	82.2

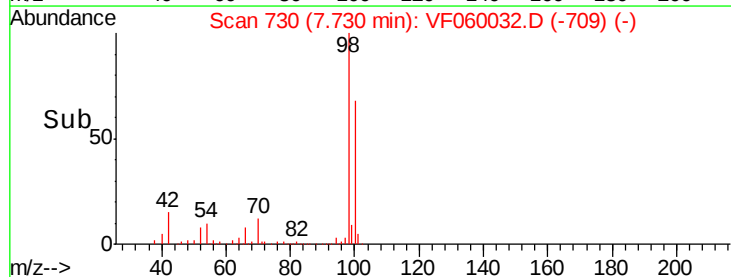
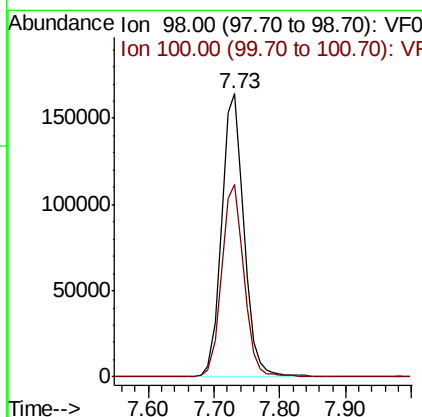
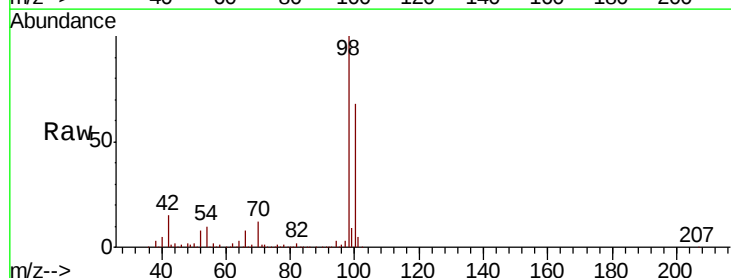
Manual Integrations
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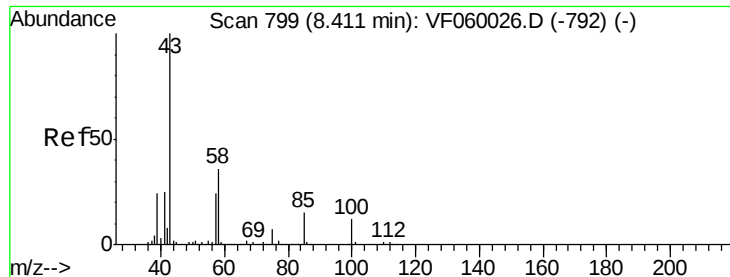
apatel
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#50
Toluene-d8
Concen: 47.86 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.01 min
Lab File: VF060032.D
Acq: 22 Aug 2018 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	68.2		53.2	79.8





#51

4-Methyl-2-Pentanone

Concen: 250.99 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF060032.D

Acq: 22 Aug 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 561030

Ion Ratio Lower Upper

43 100

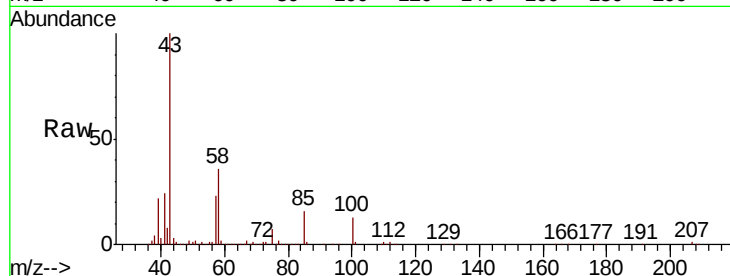
58 35.9 28.6 42.8

Manual Integrations

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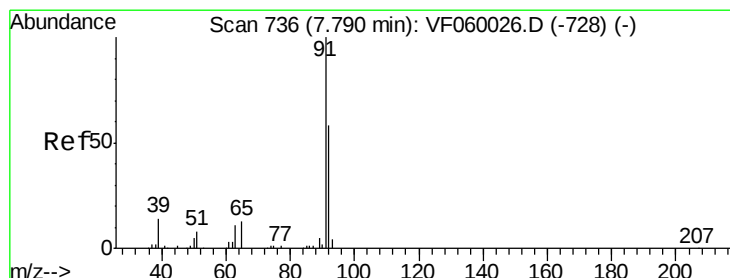
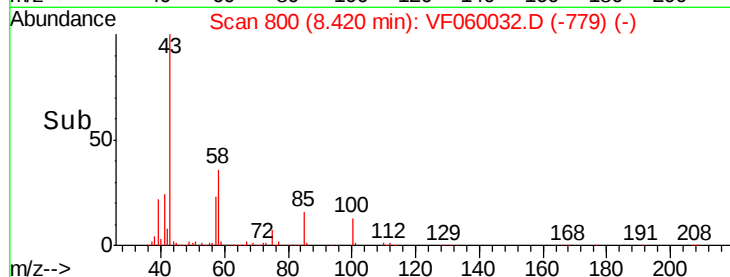
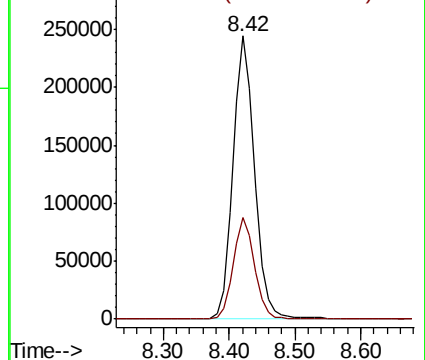
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 53.97 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.01 min

Lab File: VF060032.D

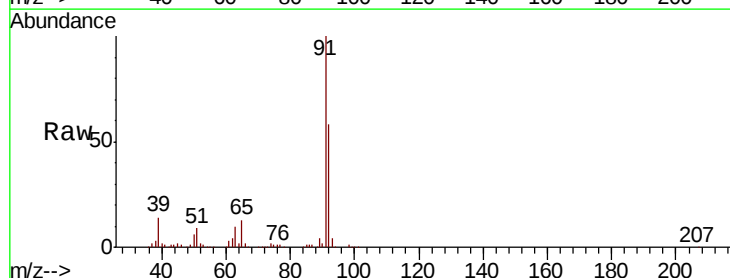
Acq: 22 Aug 2018 11:16

Tgt Ion: 92 Resp: 258919

Ion Ratio Lower Upper

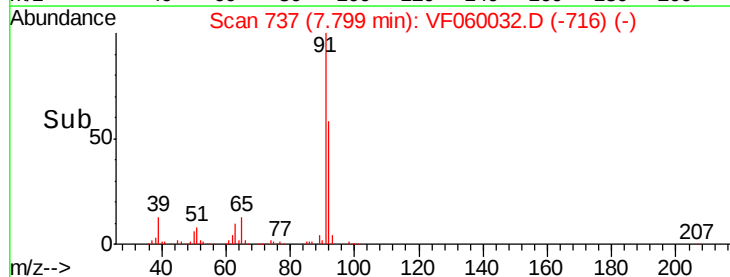
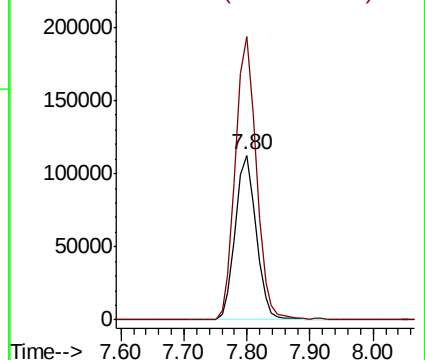
92 100

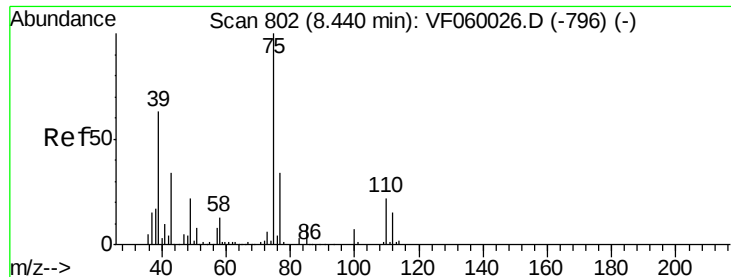
91 171.8 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 49.61 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.00 min

Lab File: VF060032.D

Acq: 22 Aug 2018 11:16

Tot Ion: 75 Resp: 180686

Ion Ratio Lower Upper

75 100

77 32.0 27.4 41.2

Instrument :

MSVOA_F

ClientSampleId :

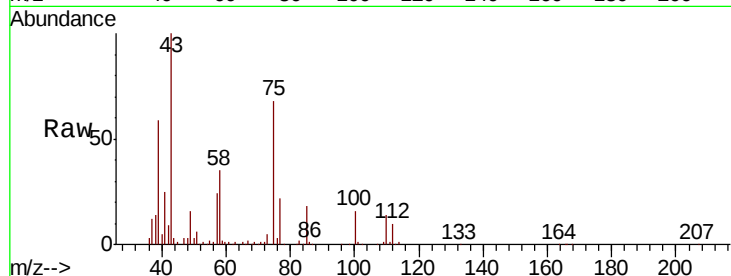
VSTDCCC050

Manual Integrations

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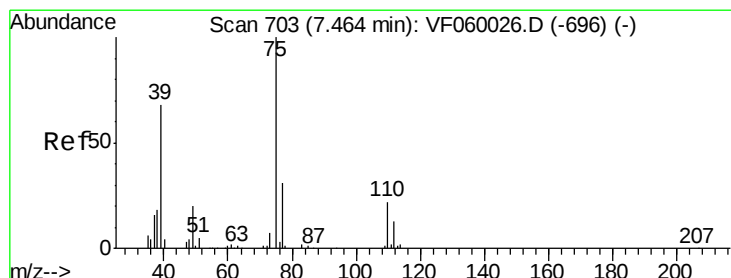
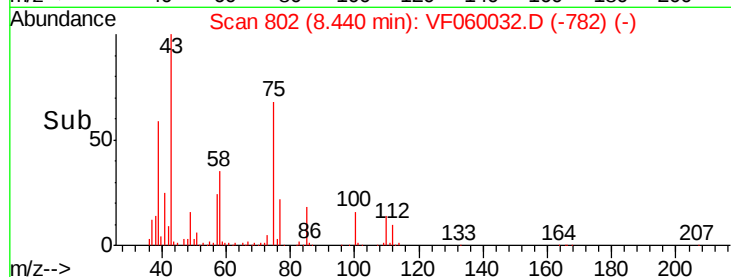
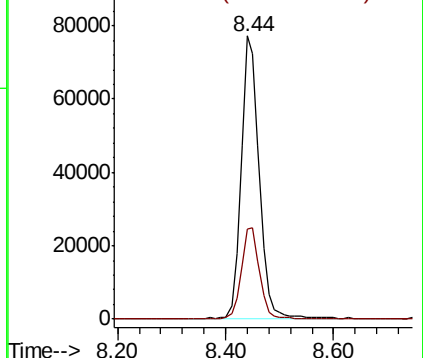
apatel

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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: 51.62 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.01 min

Lab File: VF060032.D

Acq: 22 Aug 2018 11:16

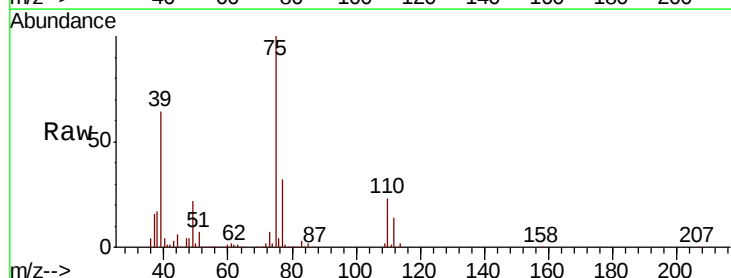
Tgt Ion: 75 Resp: 209812

Ion Ratio Lower Upper

75 100

77 32.3 24.6 37.0

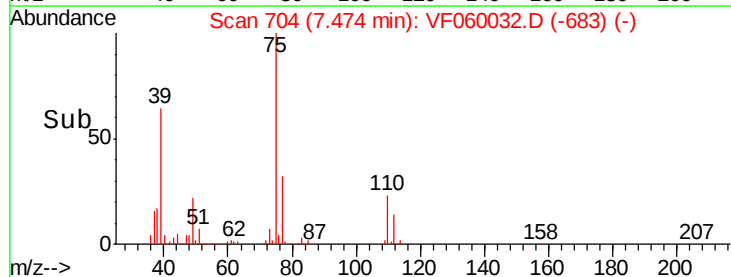
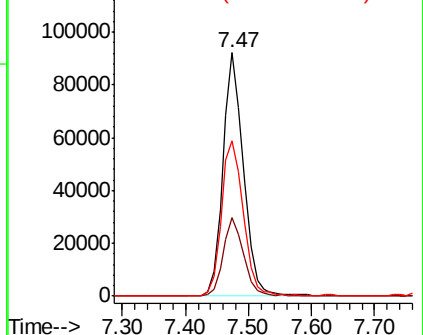
39 63.6 54.6 81.8

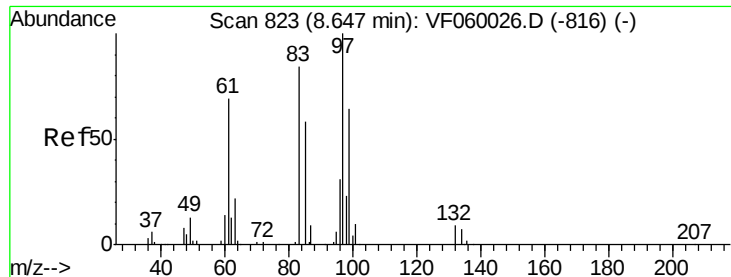


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 50.66 ug/l

RT: 8.66 min Scan# 824

Delta R.T. 0.01 min

Lab File: VF060032.D

Acq: 22 Aug 2018 11:16

Instrument :

MSVOA_F

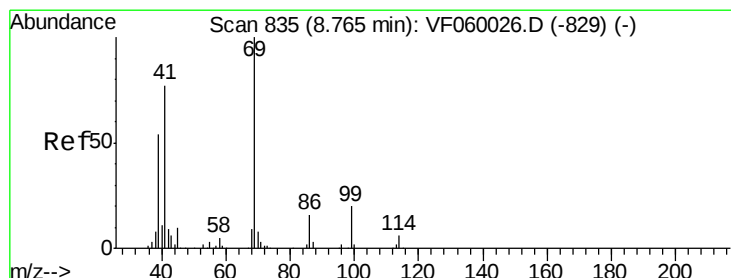
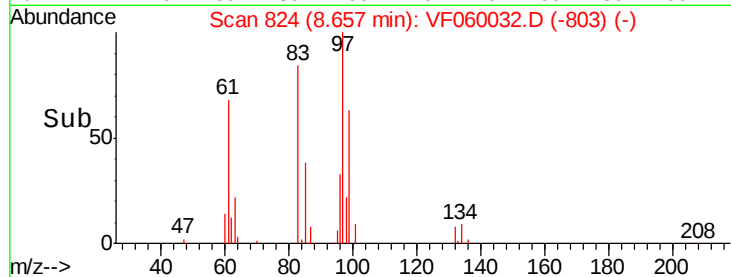
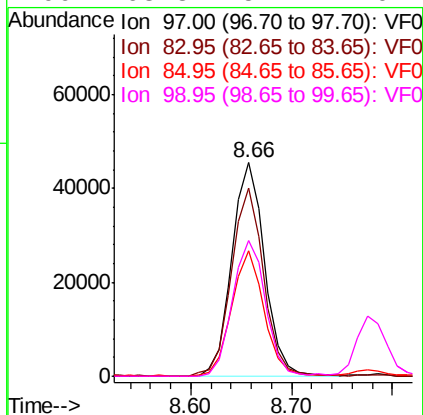
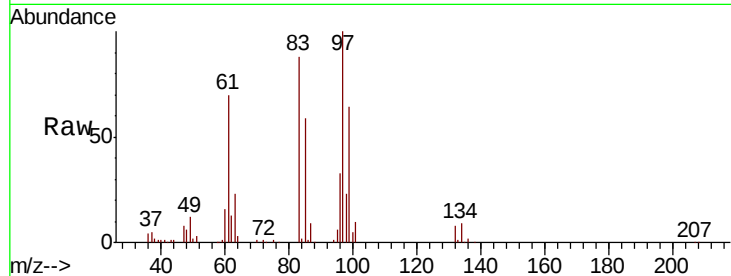
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	102676
Ion	Ratio	Lower	Upper
97	100		
83	88.1	67.4	101.2
85	58.5	46.2	69.2
99	63.8	51.1	76.7

Manual Integrations
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#56

Ethyl methacrylate

Concen: 51.58 ug/l

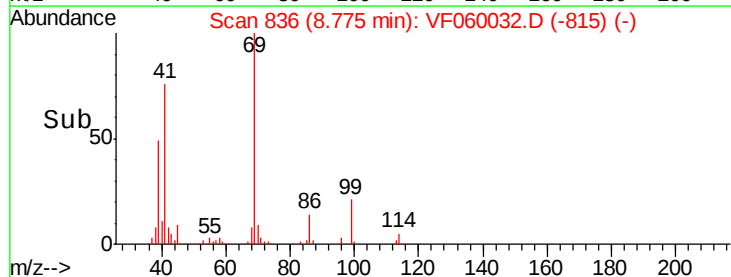
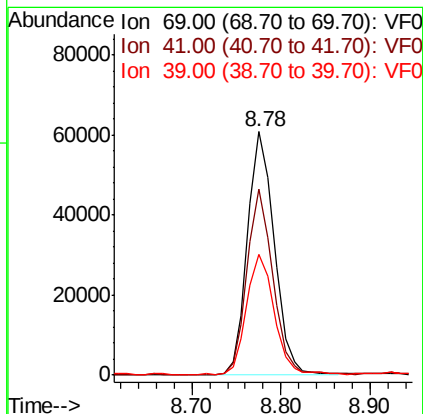
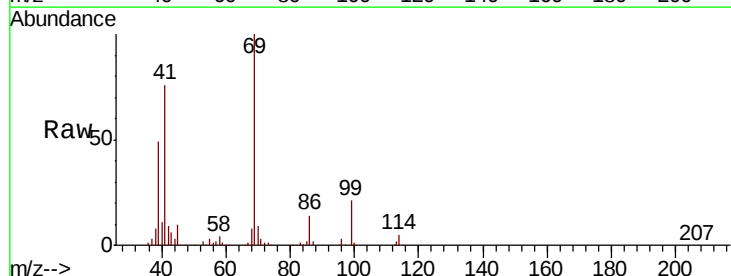
RT: 8.78 min Scan# 836

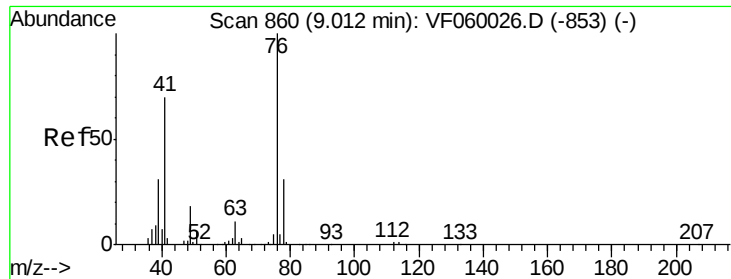
Delta R.T. 0.01 min

Lab File: VF060032.D

Acq: 22 Aug 2018 11:16

Tgt Ion:	69	Resp:	126545
Ion	Ratio	Lower	Upper
69	100		
41	76.3	61.6	92.4
39	49.4	43.9	65.9





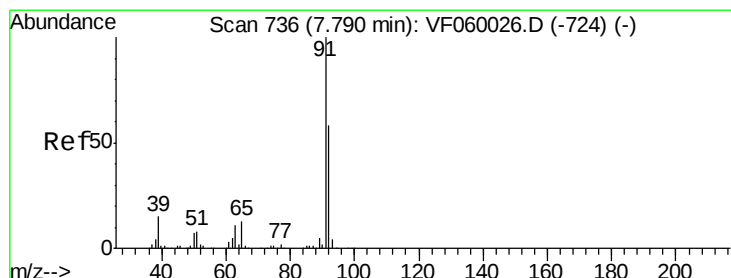
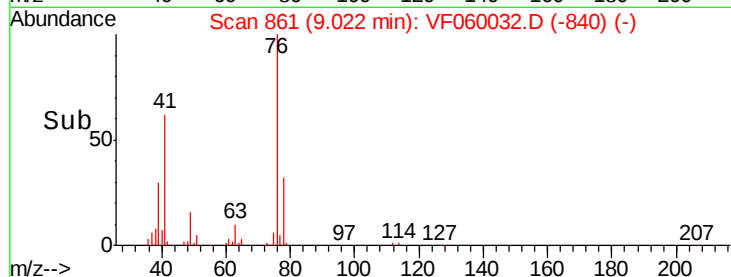
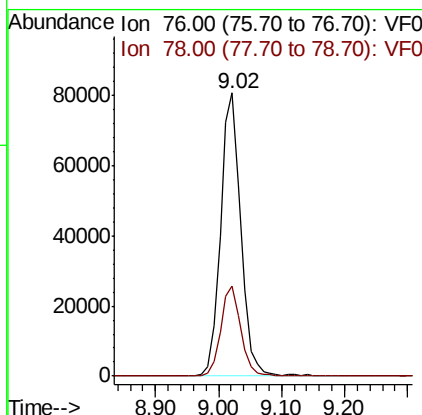
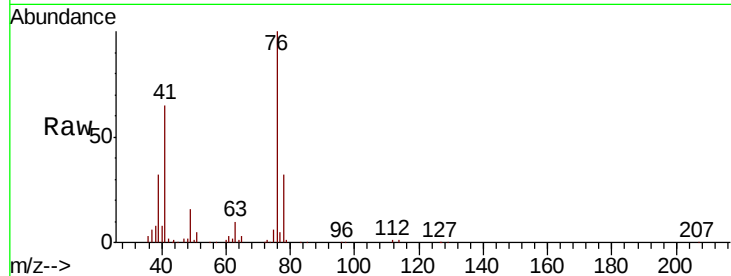
#57
 1,3-Dichloropropane
 Concen: 50.74 ug/l
 RT: 9.02 min Scan# 861
 Delta R.T. 0.01 min
 Lab File: VF060032.D
 Acq: 22 Aug 2018 11:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.2	37.8

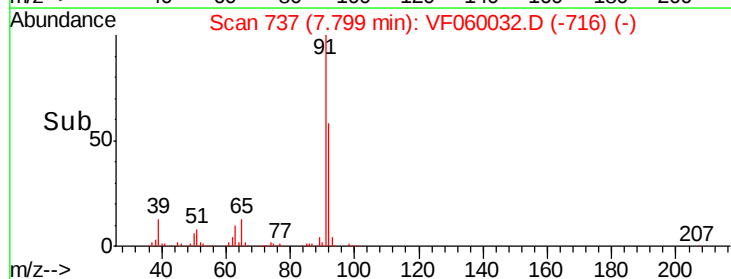
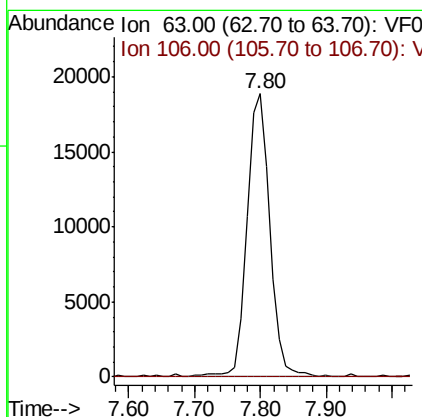
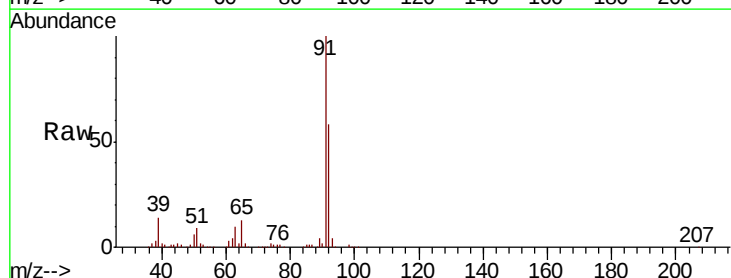
Manual Integrations
 APPROVED

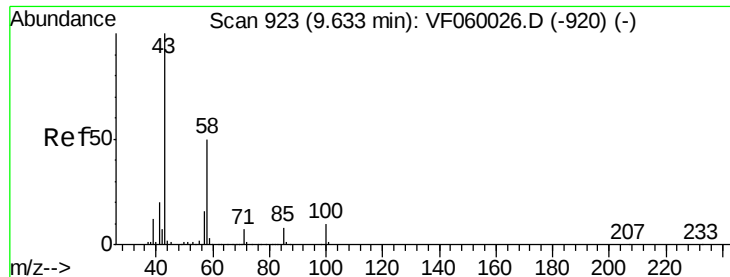
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 236.56 ug/l
 RT: 7.80 min Scan# 737
 Delta R.T. 0.01 min
 Lab File: VF060032.D
 Acq: 22 Aug 2018 11:16

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





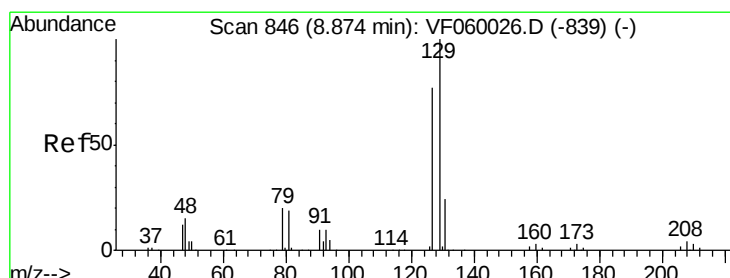
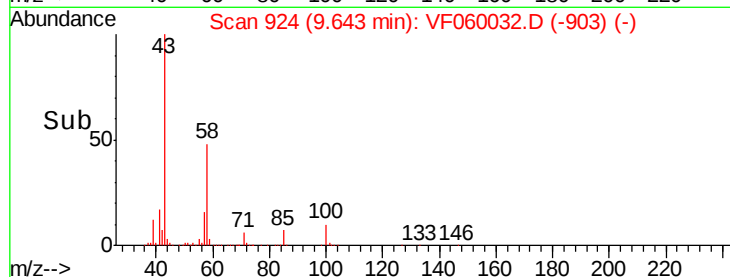
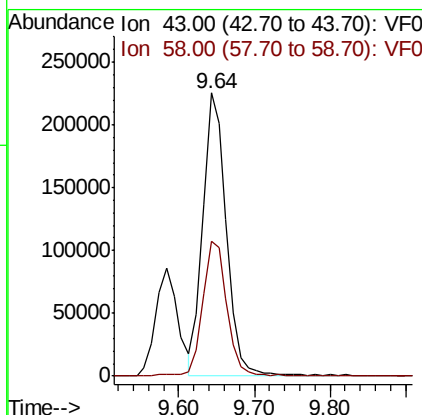
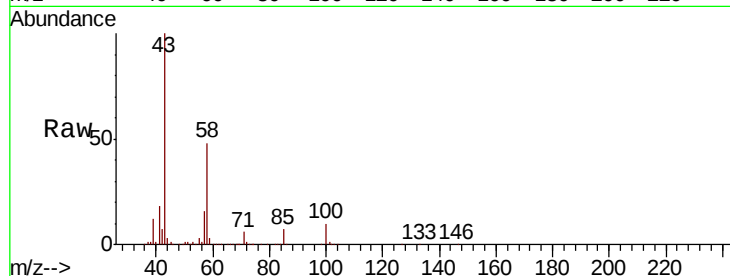
#59
2-Hexanone
Concen: 267.03 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF060032.D
Acq: 22 Aug 2018 11:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 483089
Ion Ratio Lower Upper
43 100
58 47.6 23.4 70.2

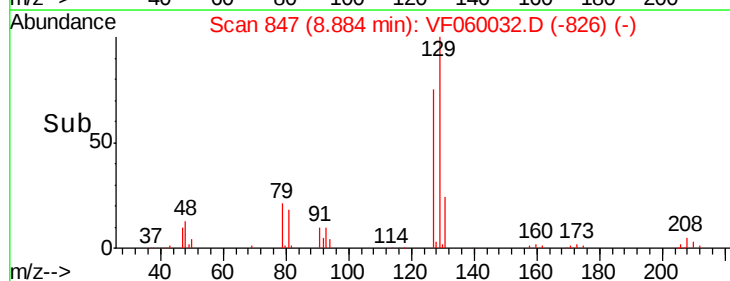
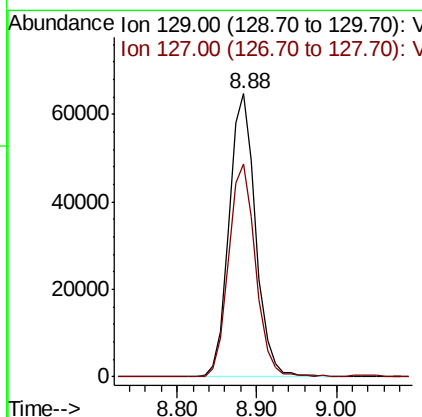
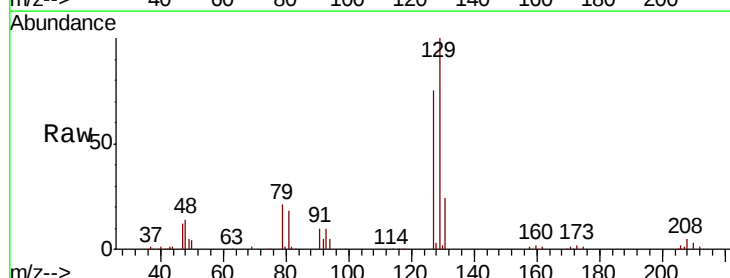
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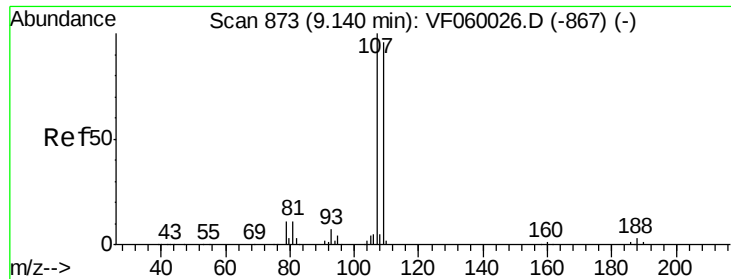
apatel
8/23/2018 10:18:35 AM



#60
Dibromochloromethane
Concen: 50.59 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.01 min
Lab File: VF060032.D
Acq: 22 Aug 2018 11:16

Tgt Ion: 129 Resp: 151369
Ion Ratio Lower Upper
129 100
127 75.3 38.6 115.8





#61

1,2-Dibromoethane

Concen: 50.14 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.01 min

Lab File: VF060032.D

Acq: 22 Aug 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 119364

Ion Ratio Lower Upper

107 100

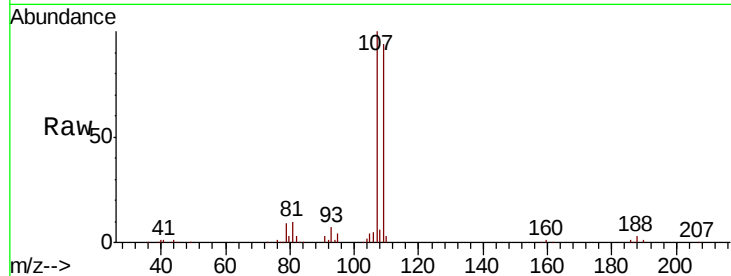
109 94.0 76.5 114.7

Manual Integrations

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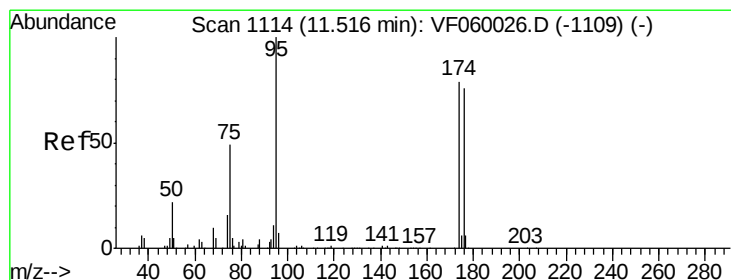
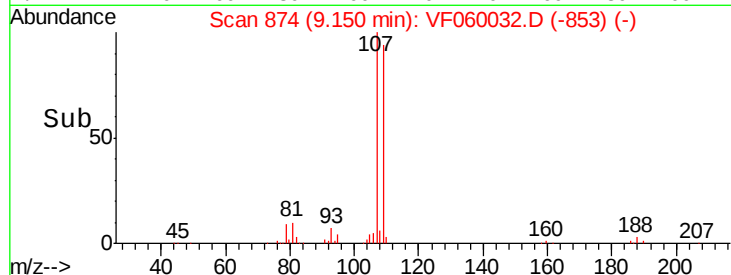
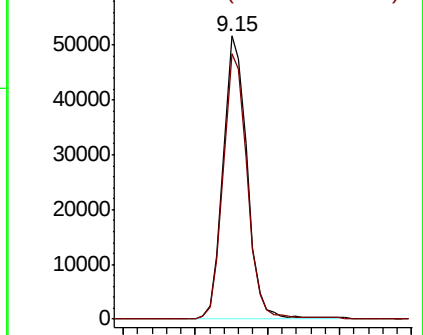
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 46.57 ug/l

RT: 11.53 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VF060032.D

Acq: 22 Aug 2018 11:16

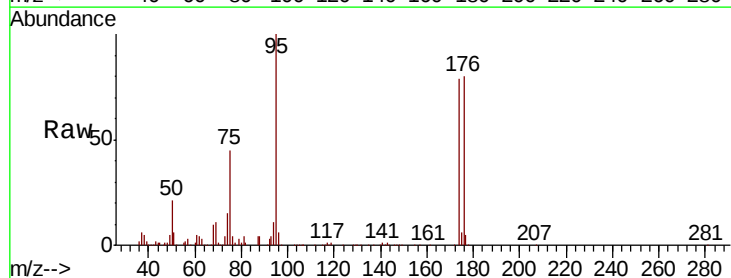
Tgt Ion: 95 Resp: 201034

Ion Ratio Lower Upper

95 100

174 79.0 0.0 158.4

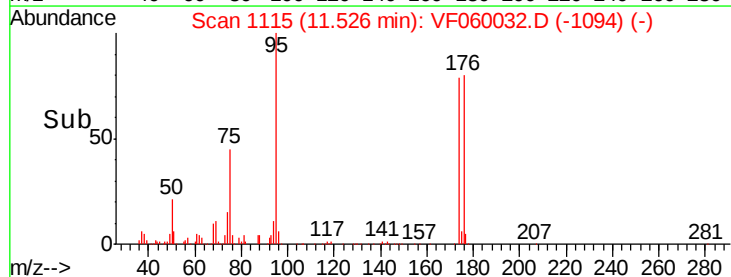
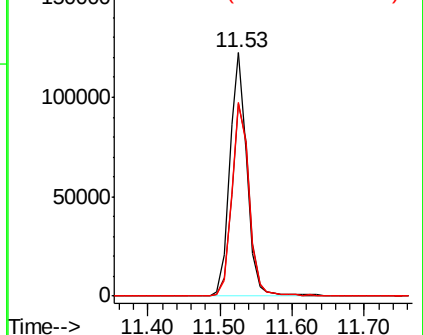
176 79.6 0.0 153.0

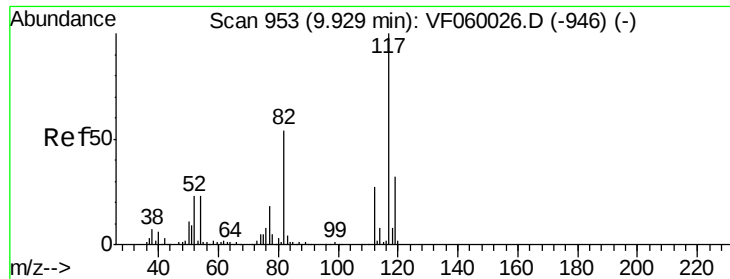


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





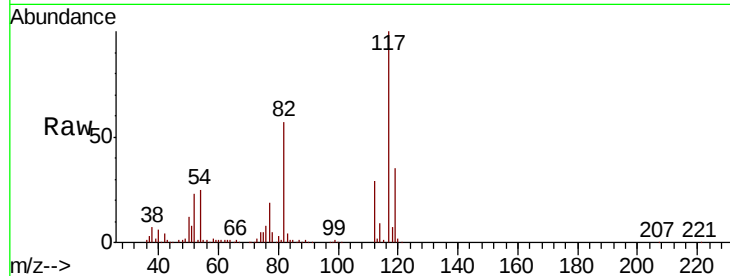
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.01 min
Lab File: VF060032.D
Acq: 22 Aug 2018 11:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	366172		
82	56.6		43.6	65.4
119	34.6		25.6	38.4

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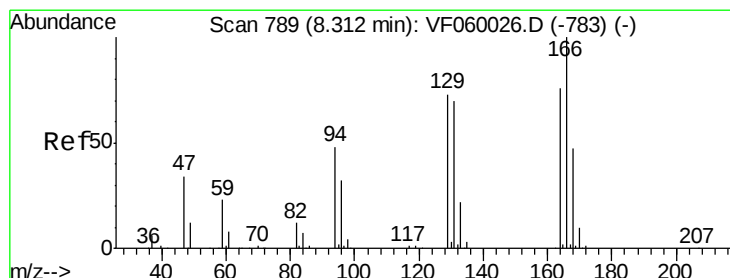
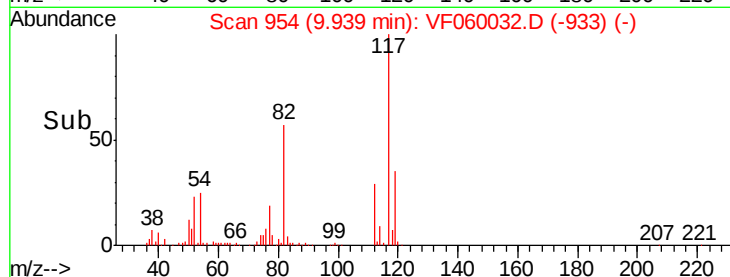
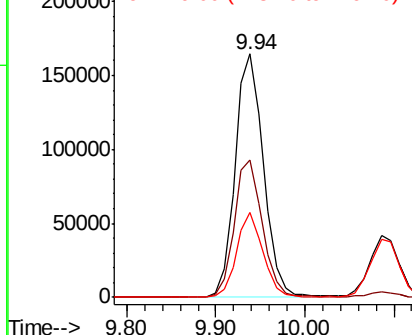


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 47.65 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.01 min
Lab File: VF060032.D
Acq: 22 Aug 2018 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	117550		
166	130.3		104.7	157.1
129	100.2		77.0	115.4
131	92.5		72.9	109.3

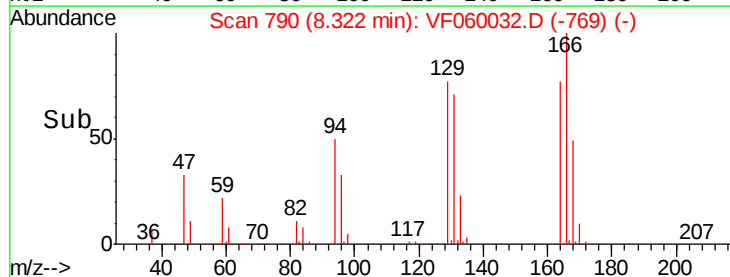
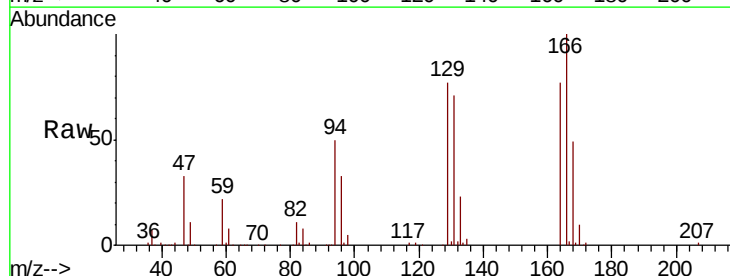
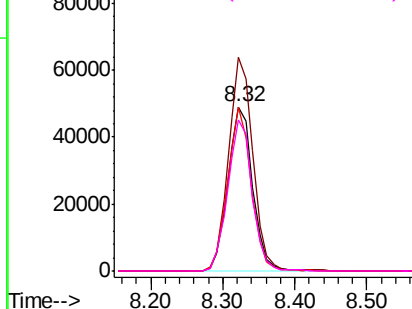
Abundance

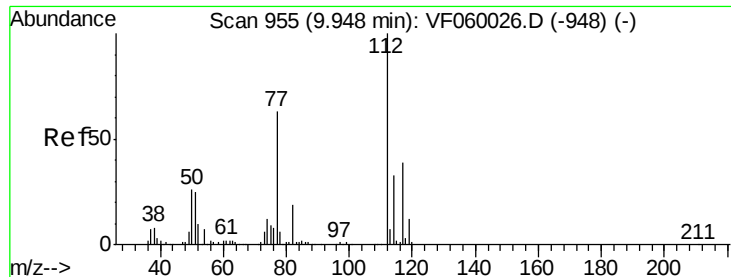
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





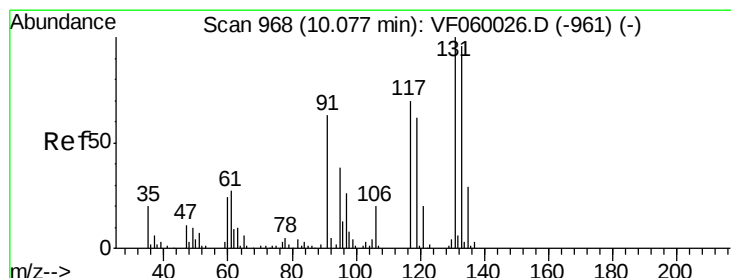
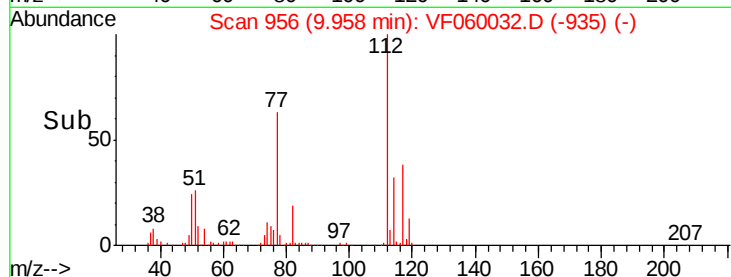
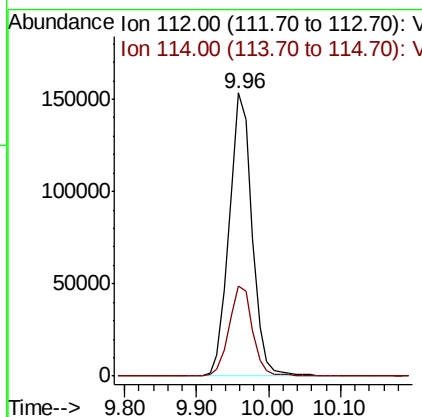
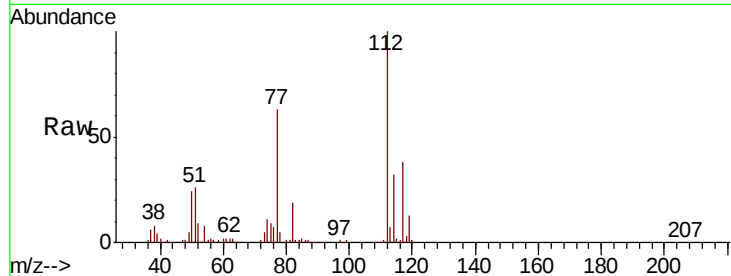
#65
Chlorobenzene
Concen: 49.27 ug/l
RT: 9.96 min Scan# 956
Delta R.T. 0.01 min
Lab File: VF060032.D
Acq: 22 Aug 2018 11:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.2	39.2

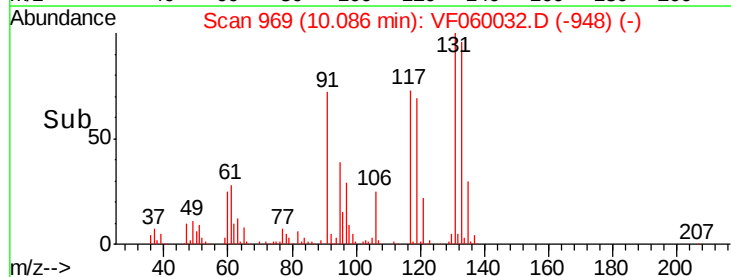
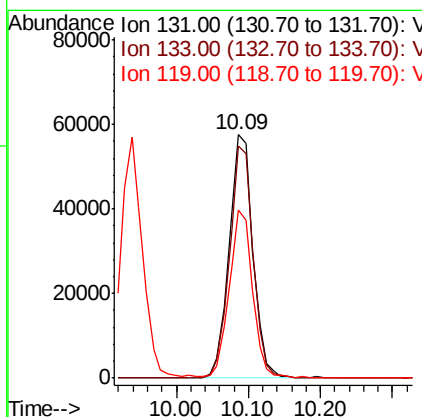
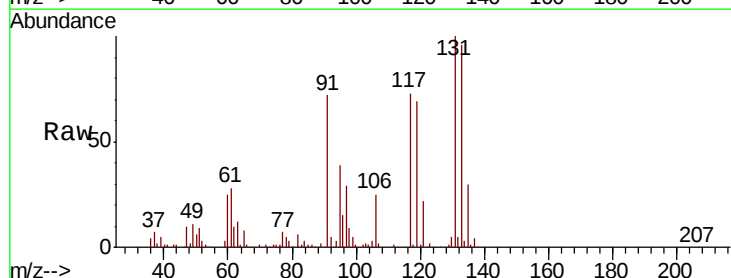
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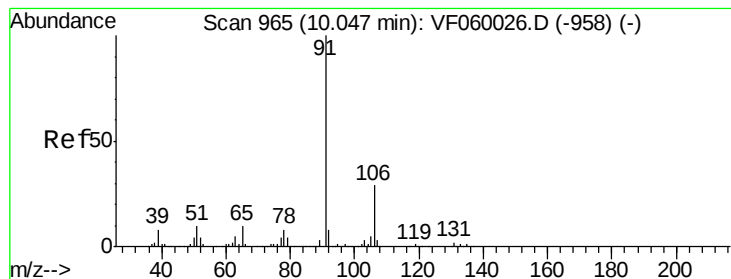
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.66 ug/l
RT: 10.09 min Scan# 969
Delta R.T. 0.01 min
Lab File: VF060032.D
Acq: 22 Aug 2018 11:16

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	48.2	144.6
119	68.8	31.4	94.2





#67

Ethyl Benzene

Concen: 50.54 ug/l

RT: 10.06 min Scan# 966

Delta R.T. 0.01 min

Lab File: VF060032.D

Acq: 22 Aug 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 602984

Ion Ratio Lower Upper

91 100

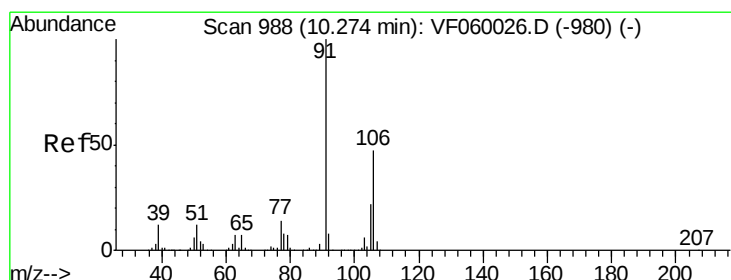
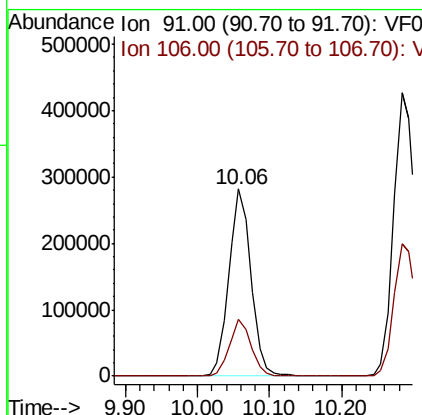
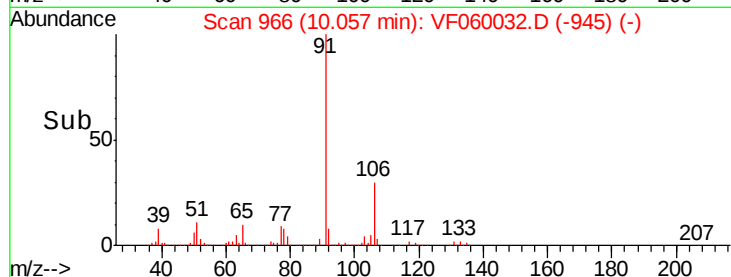
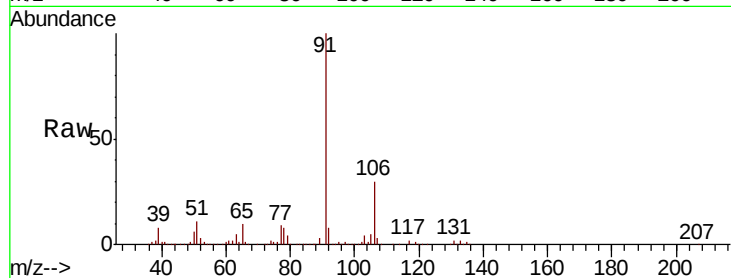
106 30.0 23.6 35.4

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#68

m/p-Xylenes

Concen: 113.24 ug/l

RT: 10.28 min Scan# 989

Delta R.T. 0.01 min

Lab File: VF060032.D

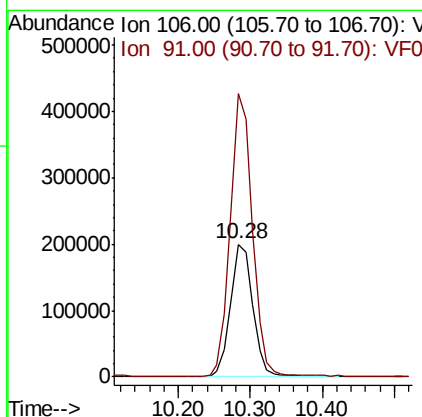
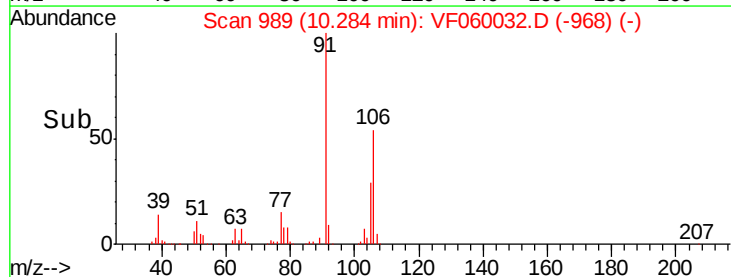
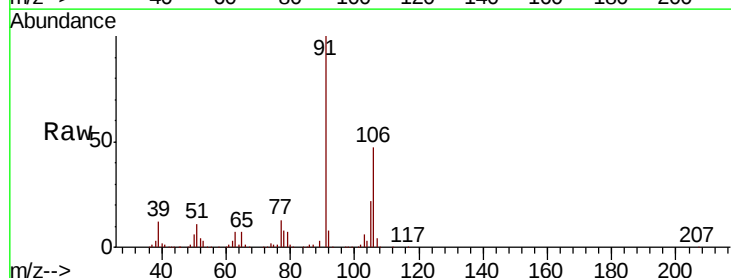
Acq: 22 Aug 2018 11:16

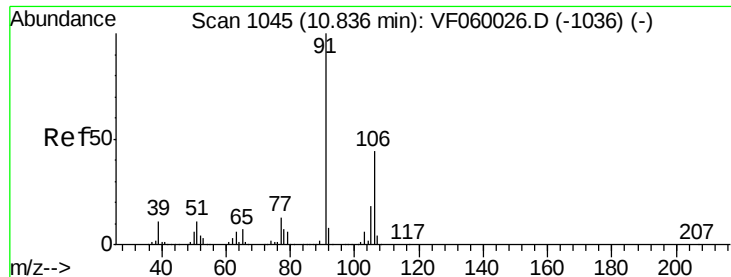
Tgt Ion: 106 Resp: 435864

Ion Ratio Lower Upper

106 100

91 212.9 171.8 257.8





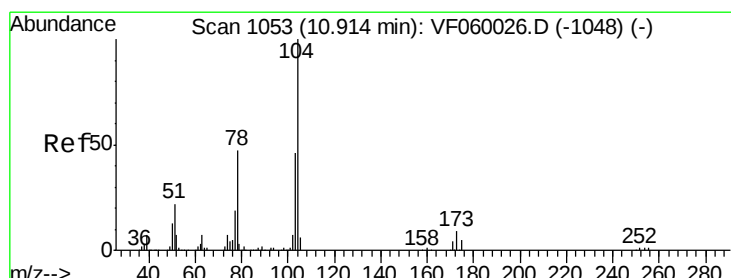
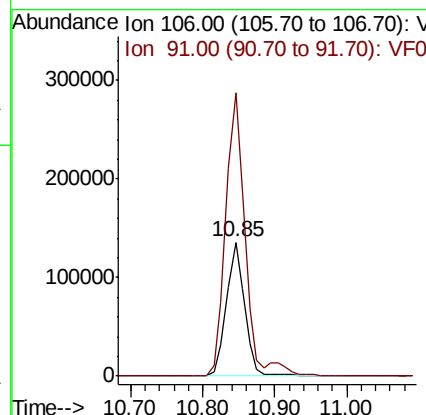
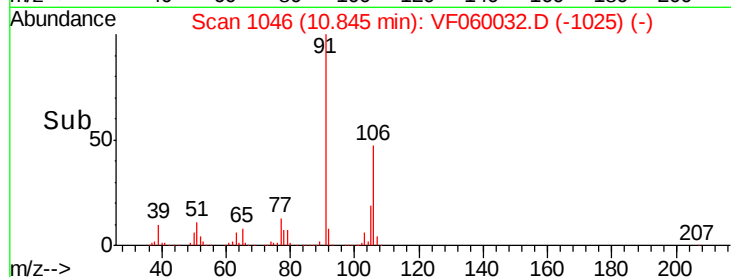
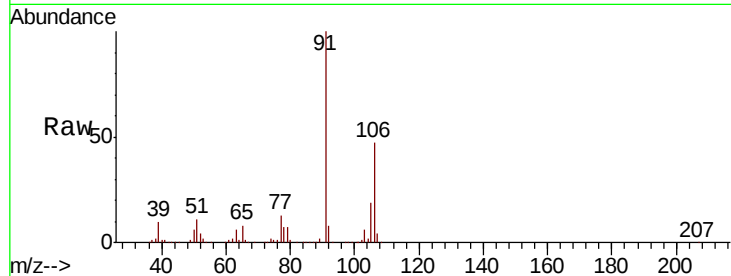
#69
o-Xylene
Concen: 50.79 ug/l
RT: 10.85 min Scan# 1046
Delta R.T. 0.01 min
Lab File: VF060032.D
Acq: 22 Aug 2018 11:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.7	112.5	337.5

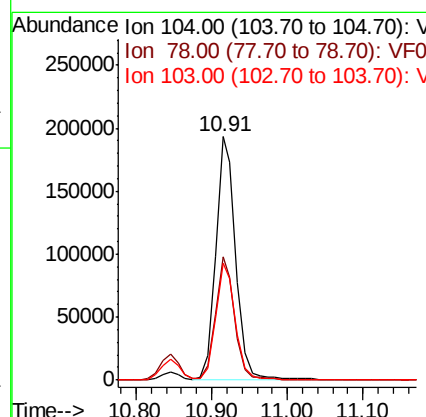
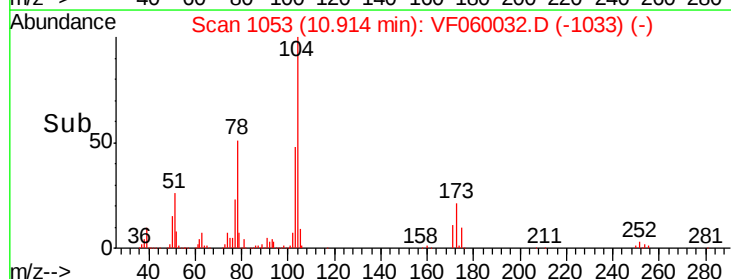
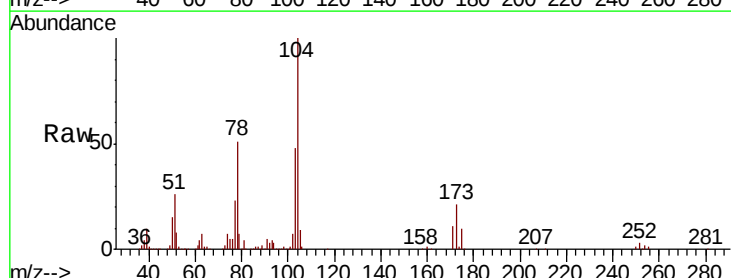
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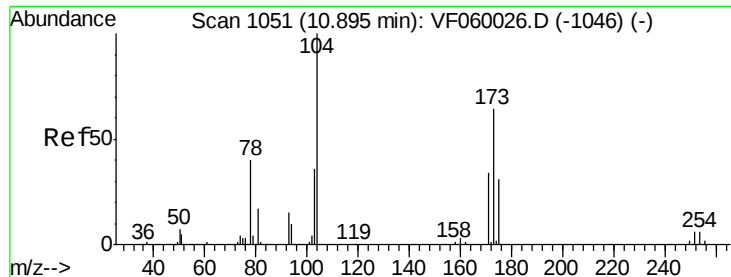
apatel
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#70
Styrene
Concen: 49.69 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF060032.D
Acq: 22 Aug 2018 11:16

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.7	38.0	57.0
103	48.2	37.6	56.4





#71

Bromoform

Concen: 51.79 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VF060032.D

Acq: 22 Aug 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 94761

Ion Ratio Lower Upper

173 100

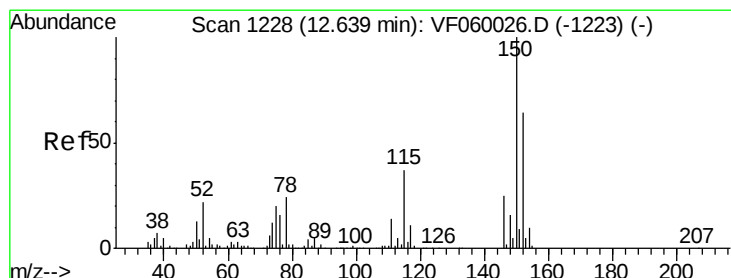
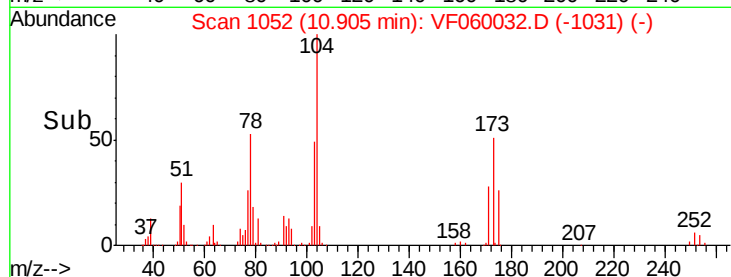
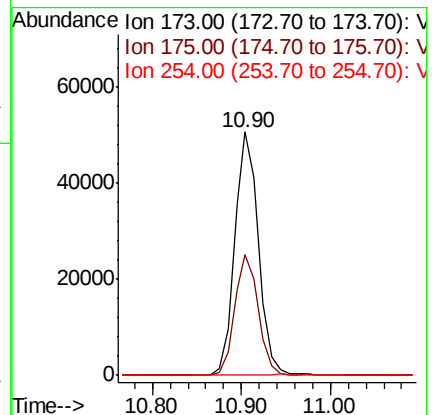
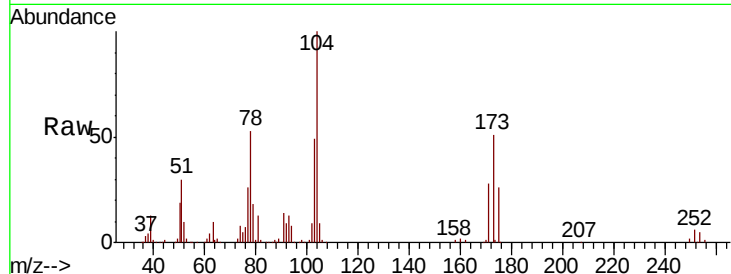
175 49.4 24.7 74.1

254 0.0 0.0 0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.65 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VF060032.D

Acq: 22 Aug 2018 11:16

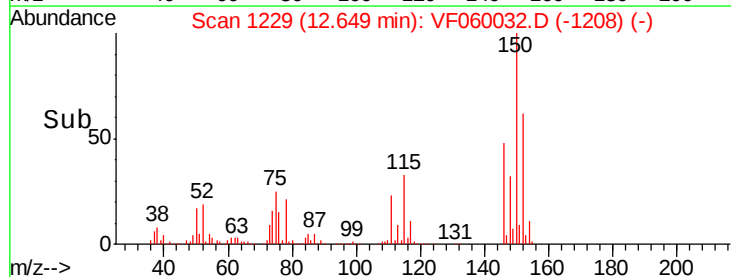
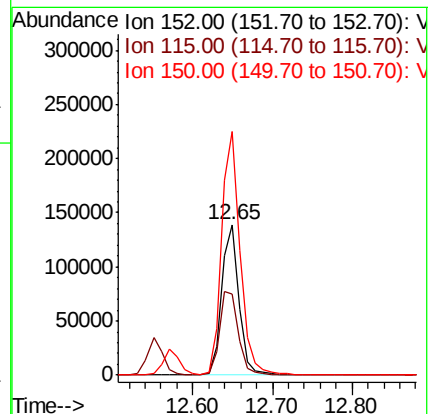
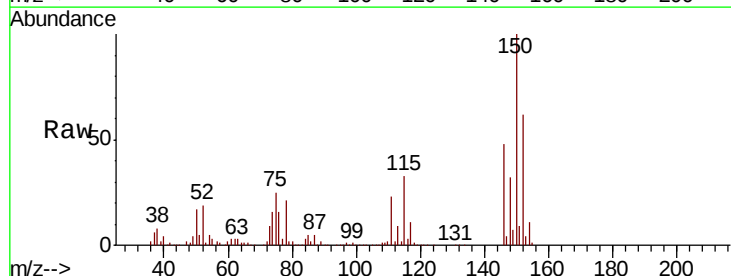
Tgt Ion:152 Resp: 213977

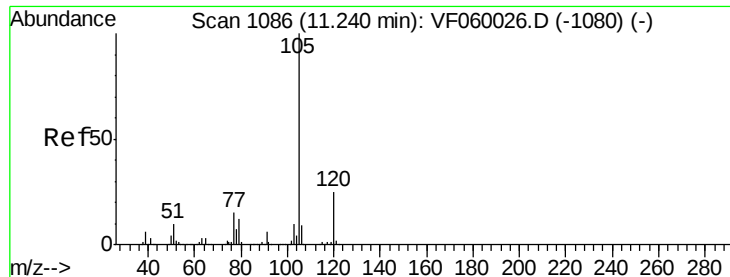
Ion Ratio Lower Upper

152 100

115 53.5 28.6 85.9

150 161.9 0.0 312.0





#73

Isopropylbenzene

Concen: 53.61 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF060032.D

Acq: 22 Aug 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 690488

Ion Ratio Lower Upper

105 100

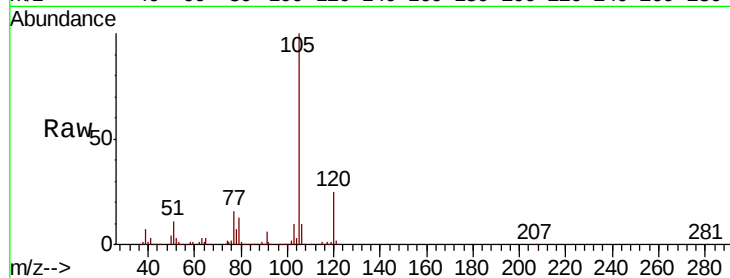
120 24.8 12.7 38.0

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.24

400000

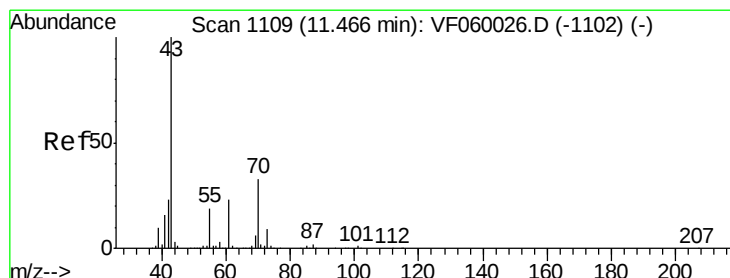
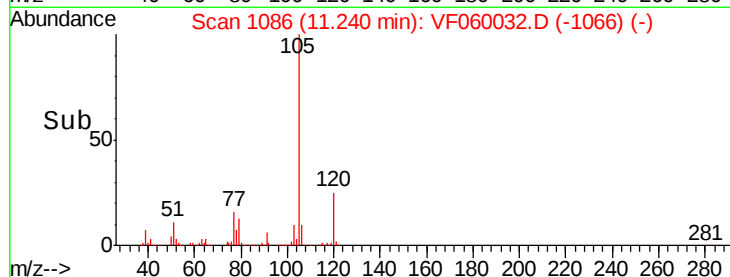
300000

200000

100000

0

Time--> 11.10 11.20 11.30 11.40



#74

N-ethyl acetate

Concen: 55.32 ug/l

RT: 11.48 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VF060032.D

Acq: 22 Aug 2018 11:16

Tgt Ion: 43 Resp: 221457

Ion Ratio Lower Upper

43 100

70 38.5 26.4 39.6

55 20.9 15.0 22.4

61 25.1 18.4 27.6

Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

200000

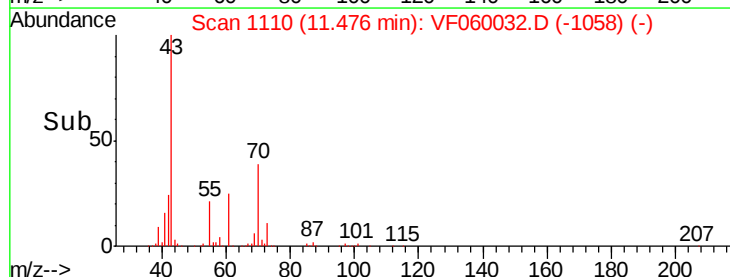
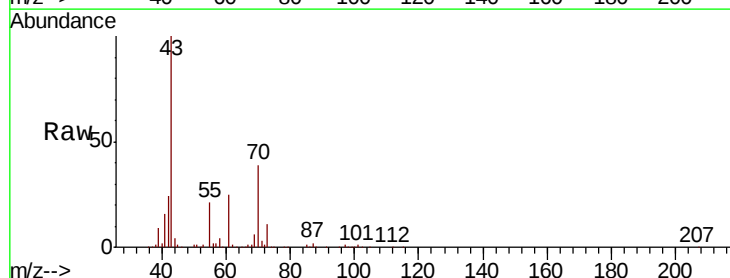
150000

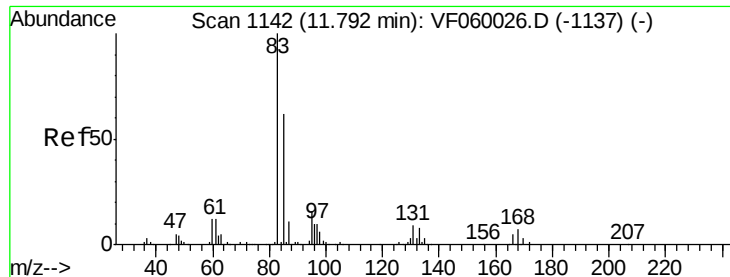
100000

50000

0

Time--> 11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 53.98 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF060032.D

Acq: 22 Aug 2018 11:16

Instrument :

MSVOA_F

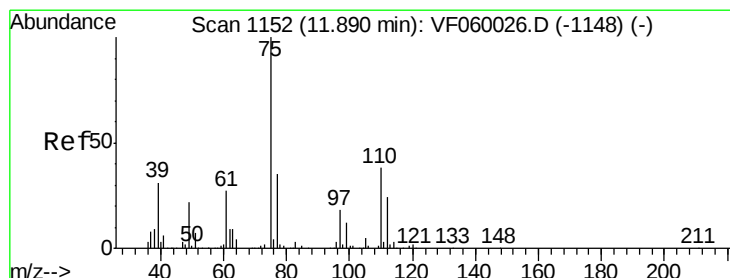
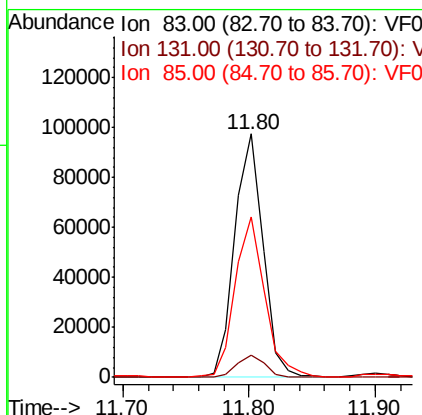
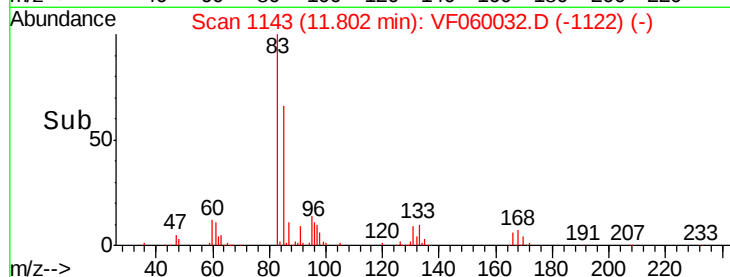
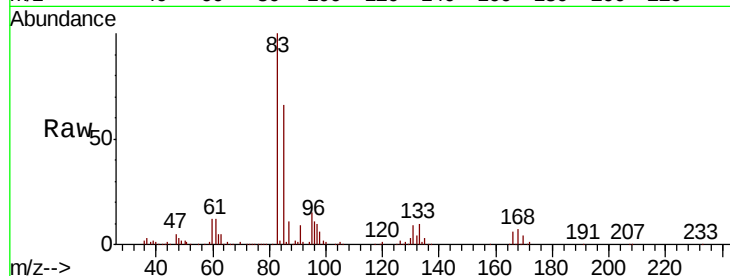
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	151853
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.5	13.7
85	66.0	31.3	93.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.53 ug/l

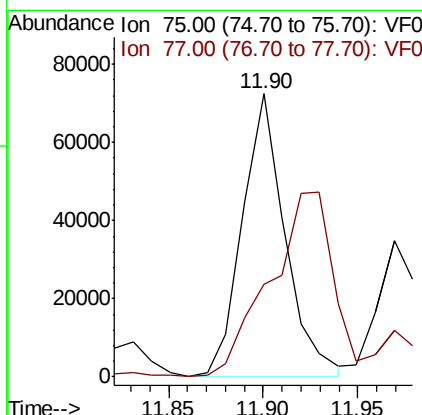
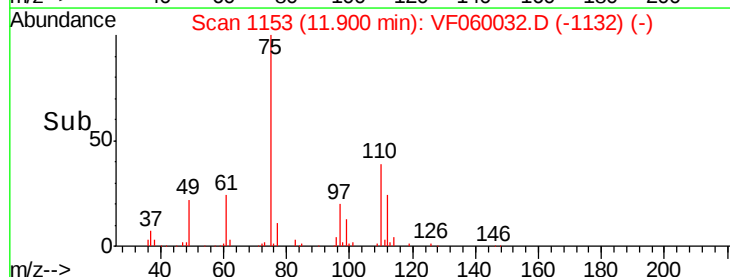
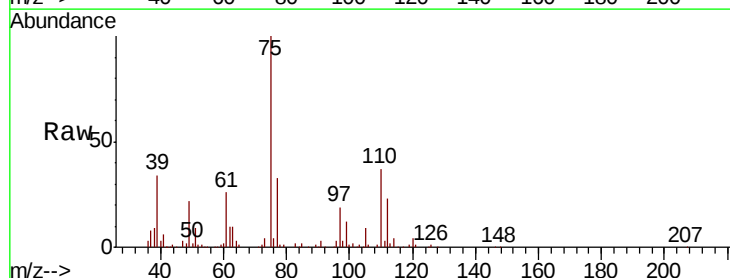
RT: 11.90 min Scan# 1153

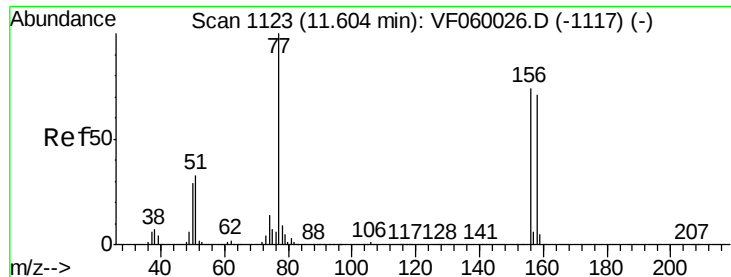
Delta R.T. 0.01 min

Lab File: VF060032.D

Acq: 22 Aug 2018 11:16

Tgt Ion:	75	Resp:	112414
Ion Ratio	Lower	Upper	
75	100		
77	32.6	17.3	52.0





#77

Bromobenzene

Concen: 51.07 ug/l

RT: 11.61 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VF060032.D

Acq: 22 Aug 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 178875

Ion Ratio Lower Upper

156 100

77 135.3 68.0 204.0

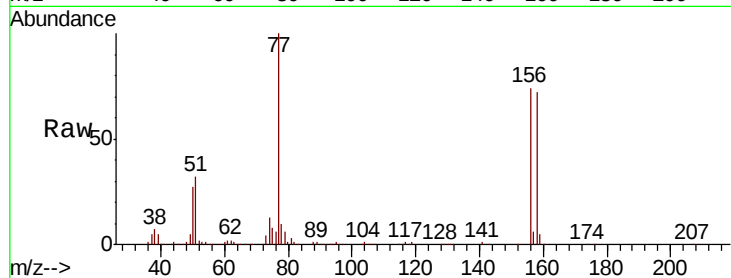
158 97.1 48.4 145.3

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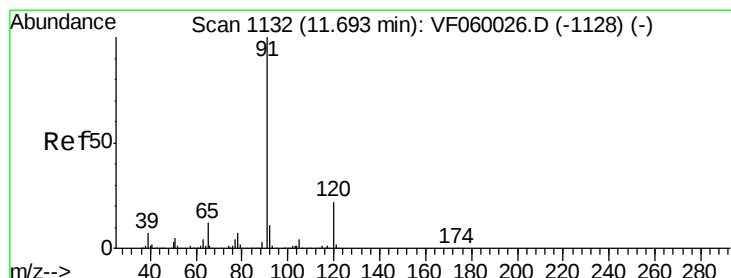
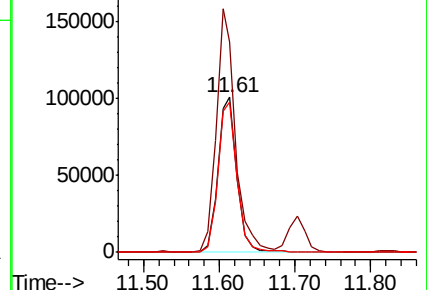
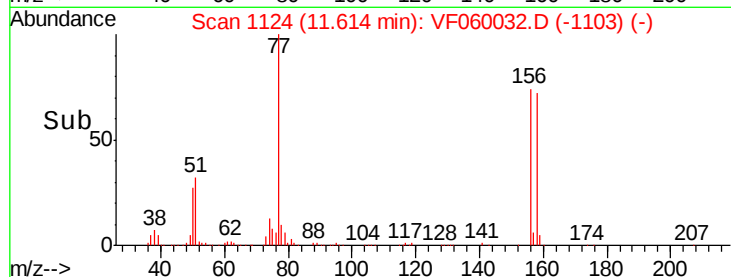
8/23/2018 10:18:35 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 51.62 ug/l

RT: 11.70 min Scan# 1133

Delta R.T. 0.01 min

Lab File: VF060032.D

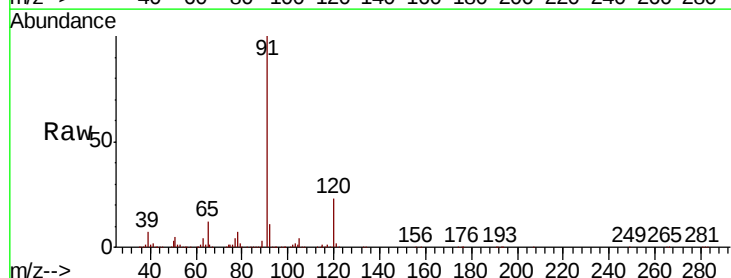
Acq: 22 Aug 2018 11:16

Tgt Ion: 91 Resp: 820550

Ion Ratio Lower Upper

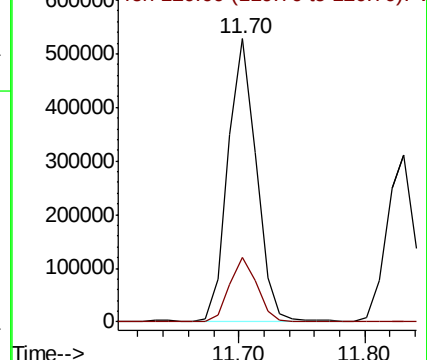
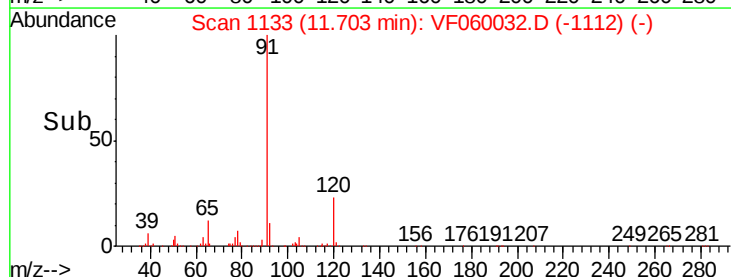
91 100

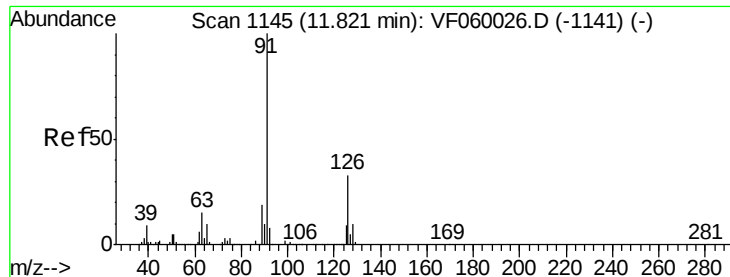
120 23.0 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





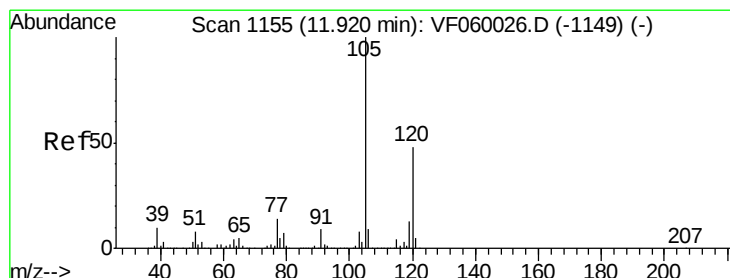
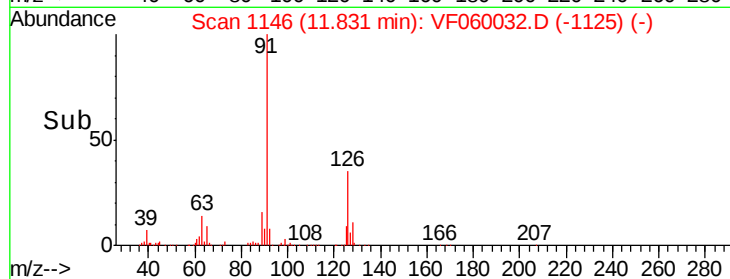
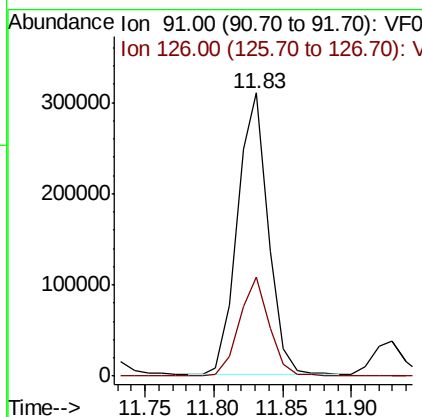
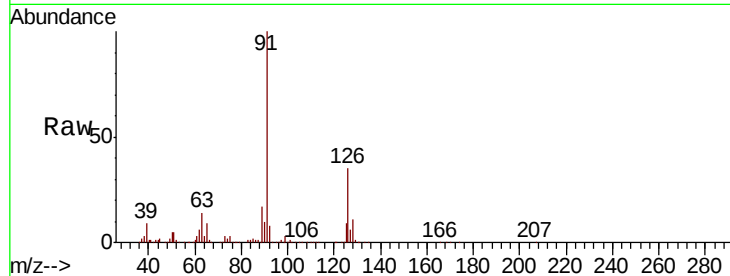
#79
 2-Chlorotoluene
 Concen: 51.28 ug/l
 RT: 11.83 min Scan# 1146
 Delta R.T. 0.01 min
 Lab File: VF060032.D
 Acq: 22 Aug 2018 11:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.1	16.6	49.7

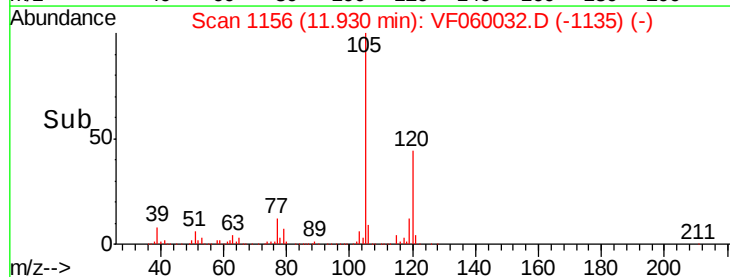
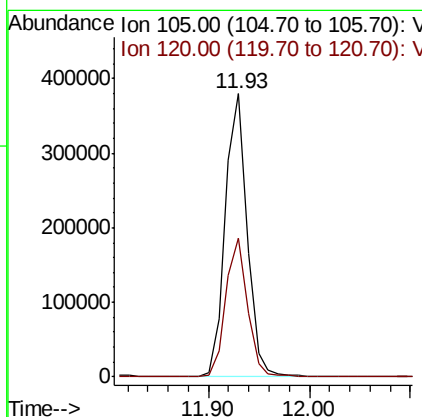
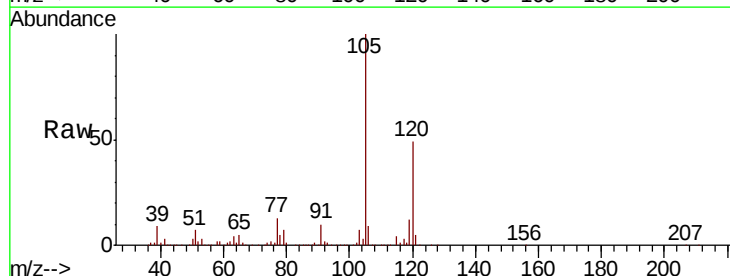
Manual Integrations
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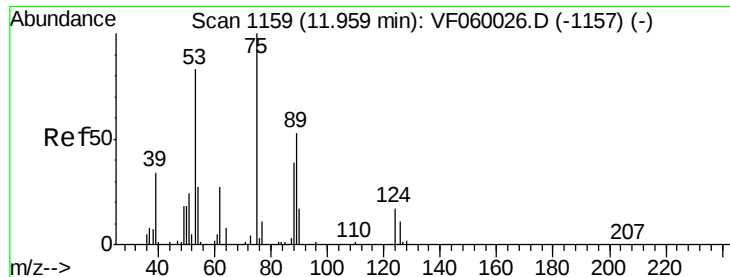
apatel
 8/23/2018 10:18:35 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 51.18 ug/l
 RT: 11.93 min Scan# 1156
 Delta R.T. 0.01 min
 Lab File: VF060032.D
 Acq: 22 Aug 2018 11:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.2	23.8	71.5





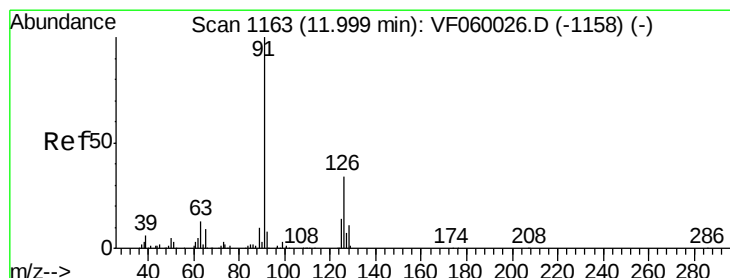
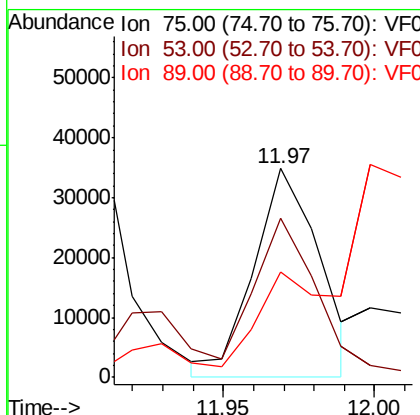
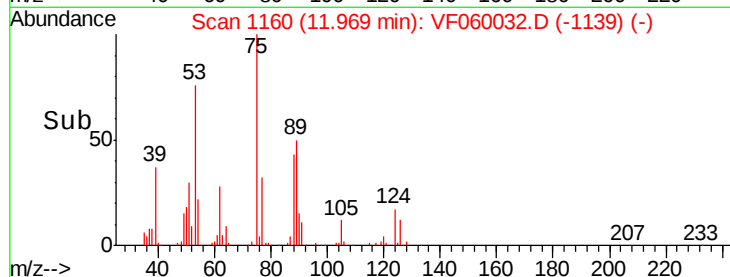
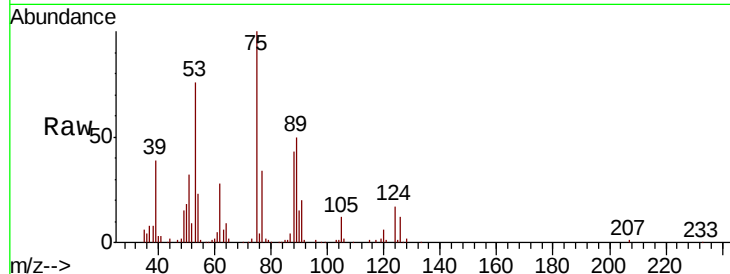
#81
trans-1,4-Dichloro-2-butene
Concen: 52.68 ug/l m
RT: 11.97 min Scan# 1160
Delta R.T. 0.01 min
Lab File: VF060032.D
Acq: 22 Aug 2018 11:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	75.9	66.2	99.4
89	50.2	42.8	64.2

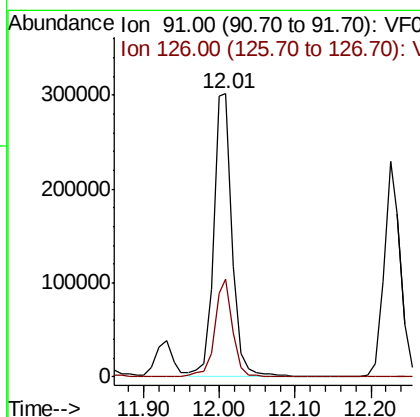
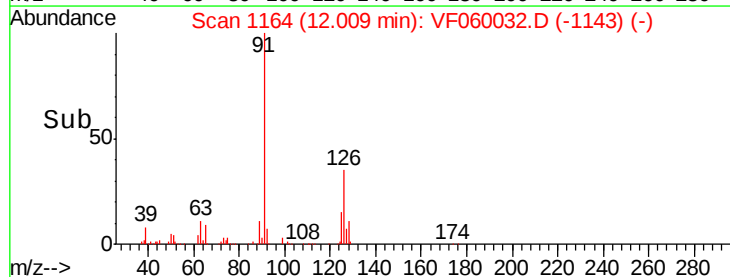
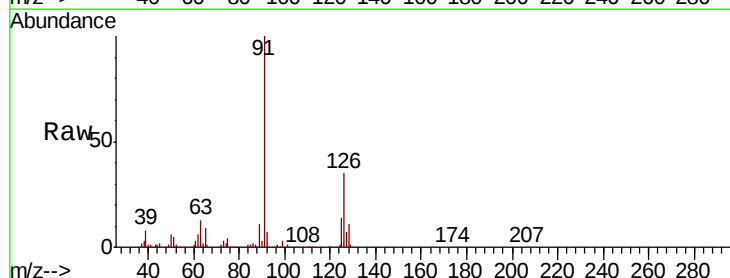
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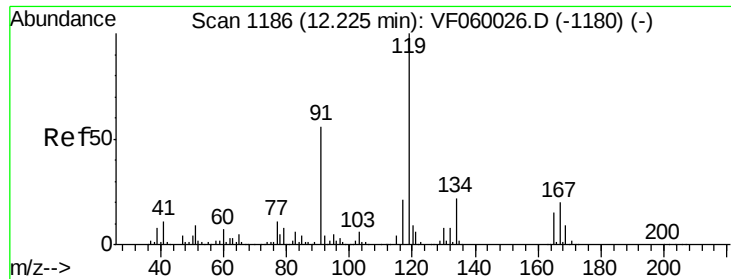
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#82
4-Chlorotoluene
Concen: 50.97 ug/l
RT: 12.01 min Scan# 1164
Delta R.T. 0.01 min
Lab File: VF060032.D
Acq: 22 Aug 2018 11:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.0	50.9





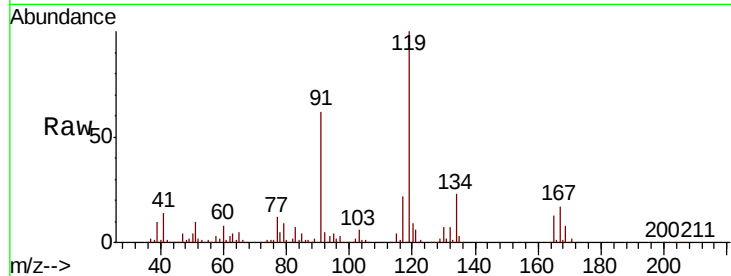
#83
tert-Butylbenzene
Concen: 53.02 ug/l
RT: 12.23 min Scan# 1186
Delta R.T. 0.00 min
Lab File: VF060032.D
Acq: 22 Aug 2018 11:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	580270		
91	62.0		28.1	84.3
134	22.7		11.1	33.3

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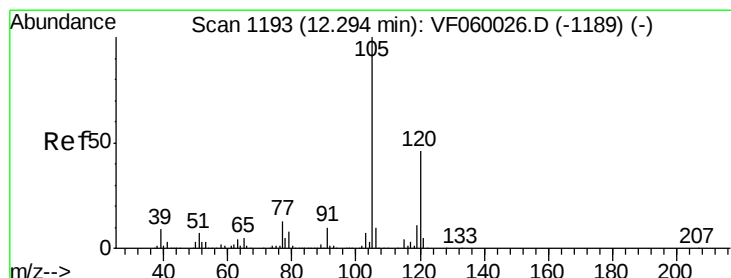
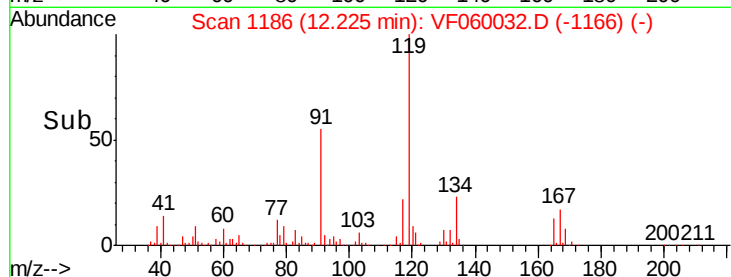
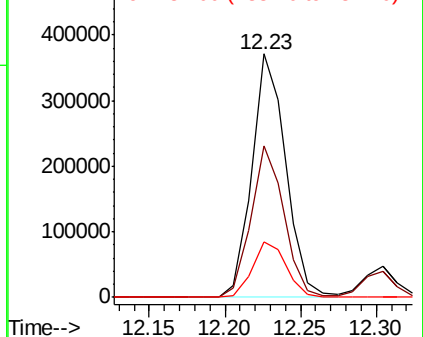


Abundance

Ion 119.00 (118.70 to 119.70): V

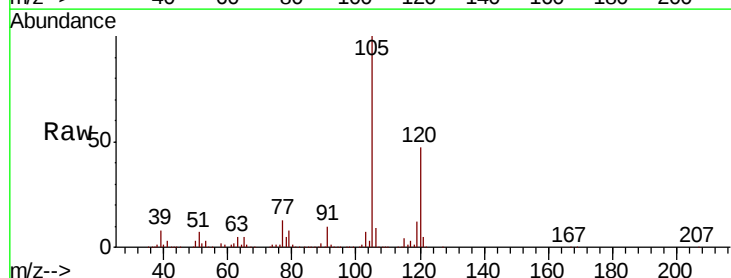
Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84
1,2,4-Trimethylbenzene
Concen: 49.53 ug/l
RT: 12.30 min Scan# 1194
Delta R.T. 0.01 min
Lab File: VF060032.D
Acq: 22 Aug 2018 11:16

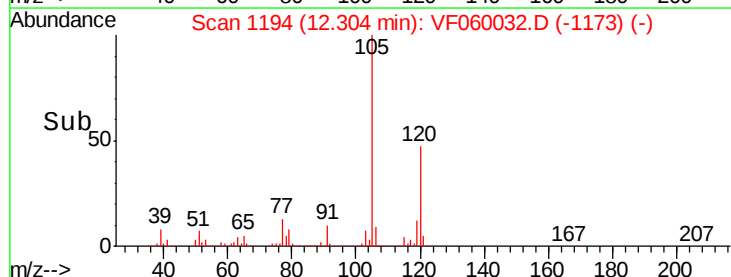
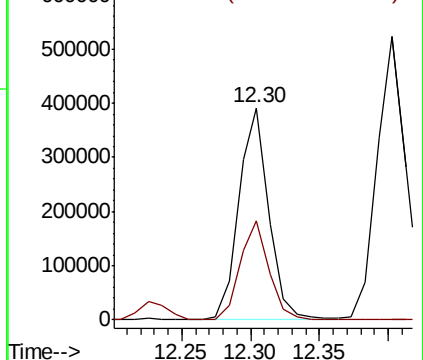
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	590933		
120	46.8		23.3	69.8

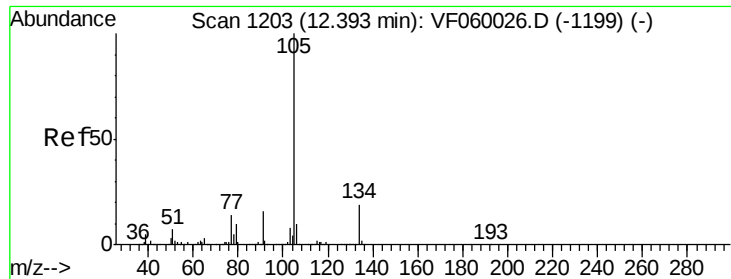


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





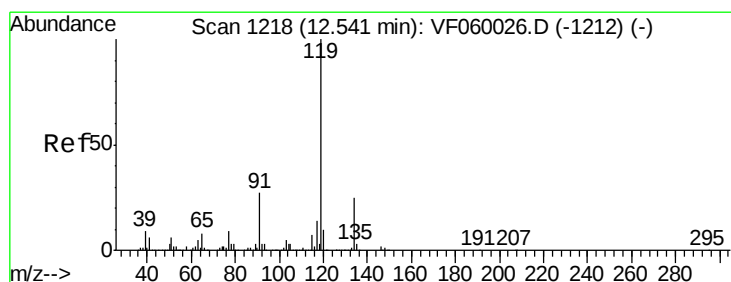
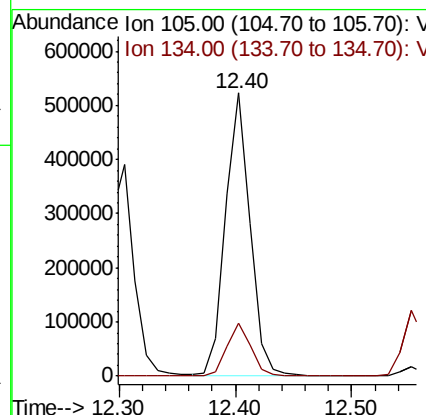
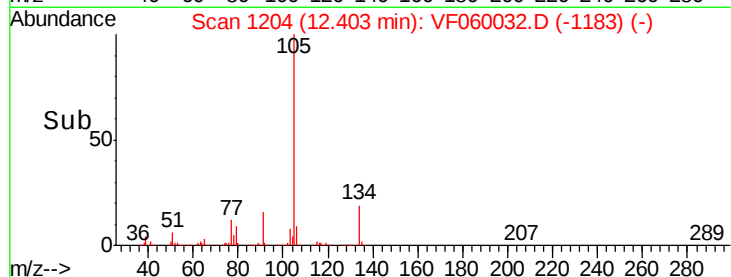
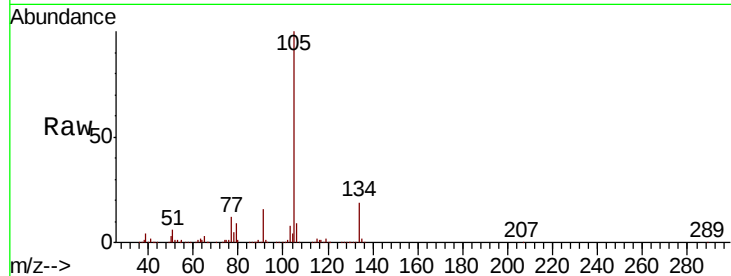
#85
 sec-Butylbenzene
 Concen: 50.36 ug/l
 RT: 12.40 min Scan# 1204
 Delta R.T. 0.01 min
 Lab File: VF060032.D
 Acq: 22 Aug 2018 11:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.7	9.3	27.9

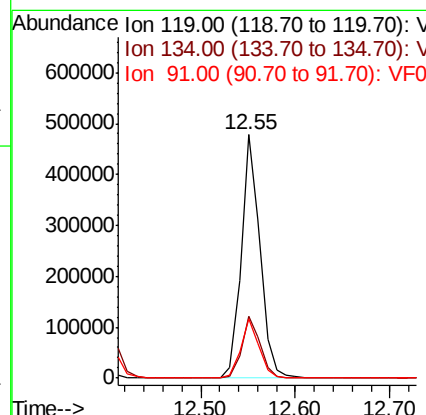
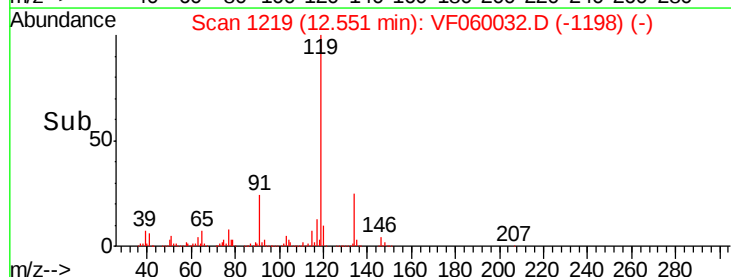
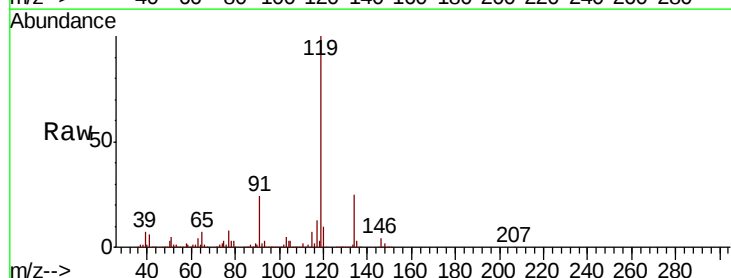
Manual Integrations
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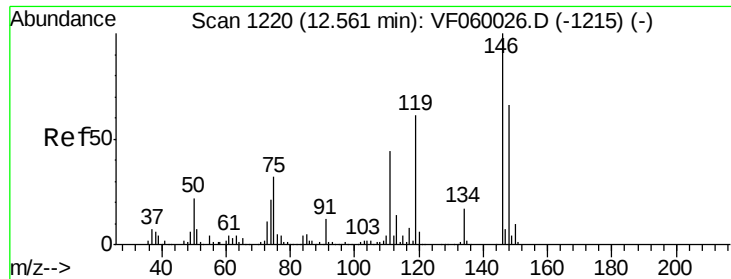
apatel
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#86
 p-Isopropyltoluene
 Concen: 51.87 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VF060032.D
 Acq: 22 Aug 2018 11:16

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.4	37.2
91	24.5	13.5	40.4





#87

1,3-Dichlorobenzene

Concen: 50.07 ug/l

RT: 12.57 min Scan# 1221

Delta R.T. 0.01 min

Lab File: VF060032.D

Acq: 22 Aug 2018 11:16

Instrument :

MSVOA_F

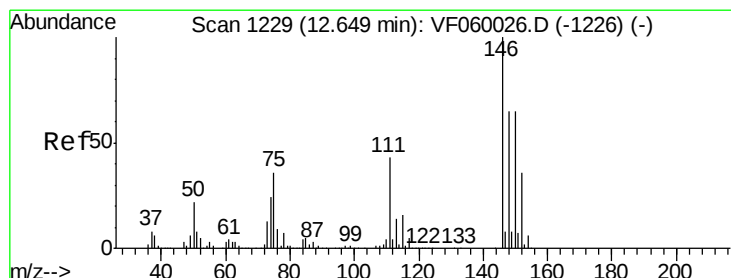
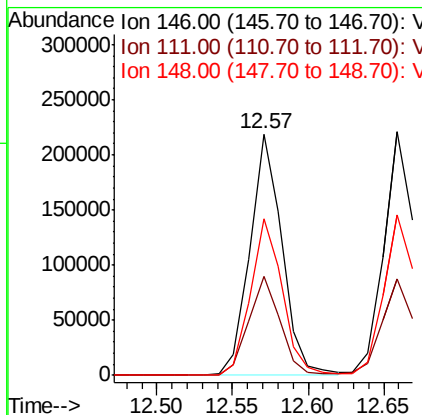
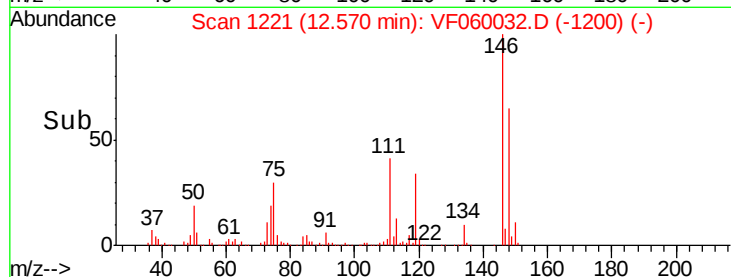
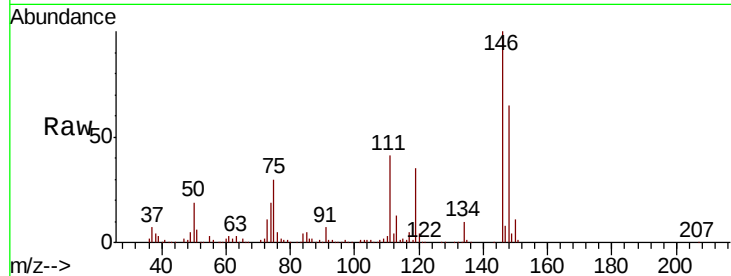
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	324312
Ion Ratio	Lower	Upper	
146	100		
111	40.9	21.9	65.5
148	64.9	32.9	98.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 50.17 ug/l

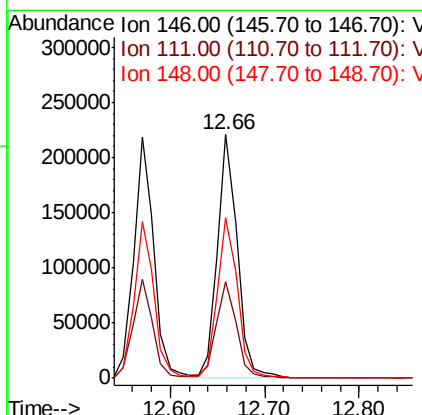
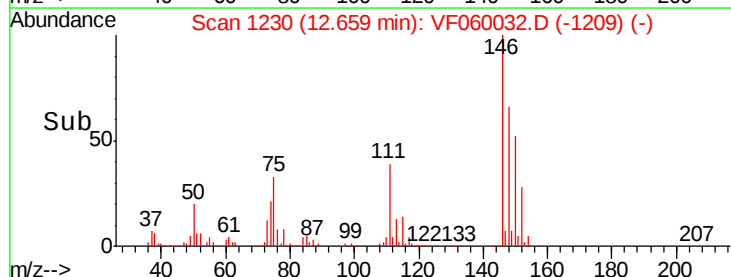
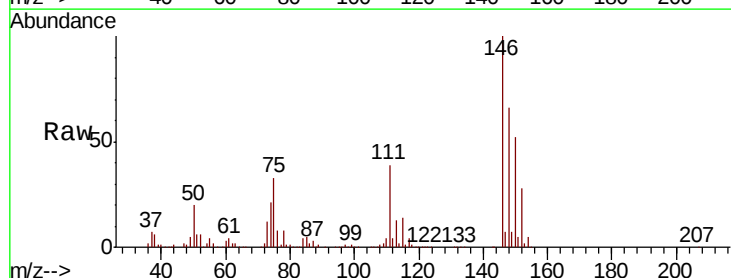
RT: 12.66 min Scan# 1230

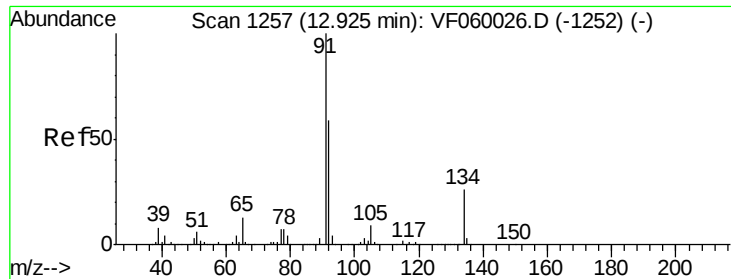
Delta R.T. 0.01 min

Lab File: VF060032.D

Acq: 22 Aug 2018 11:16

Tgt Ion:	146	Resp:	322939
Ion Ratio	Lower	Upper	
146	100		
111	39.4	21.6	64.8
148	65.7	32.3	96.8





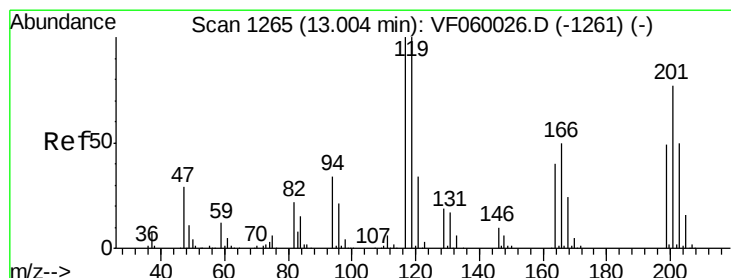
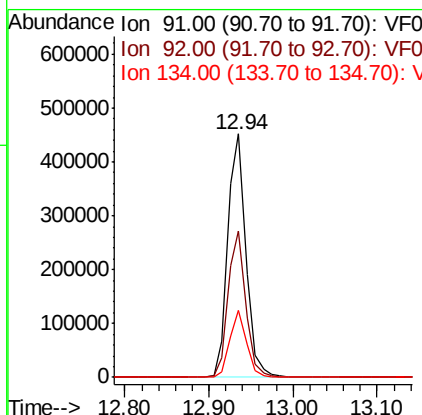
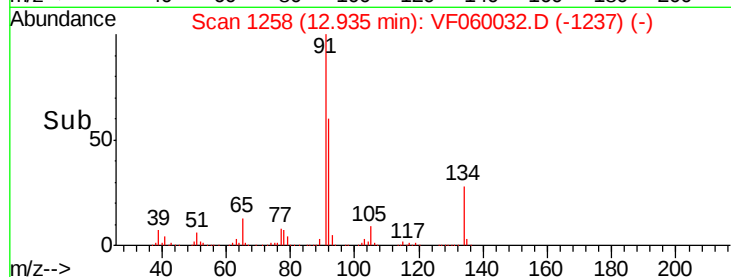
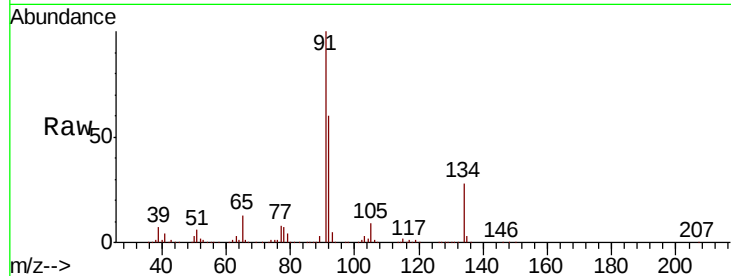
#89
n-Butylbenzene
Concen: 54.76 ug/l
RT: 12.94 min Scan# 1258
Delta R.T. 0.01 min
Lab File: VF060032.D
Acq: 22 Aug 2018 11:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.3	29.3	87.9
134	27.6	12.8	38.3

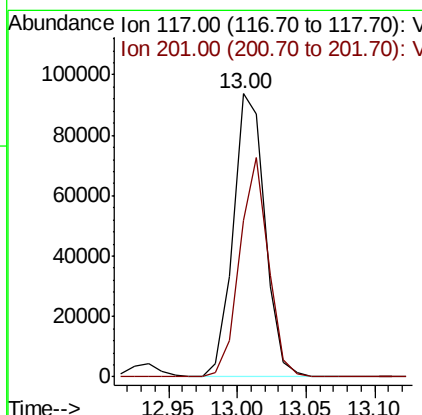
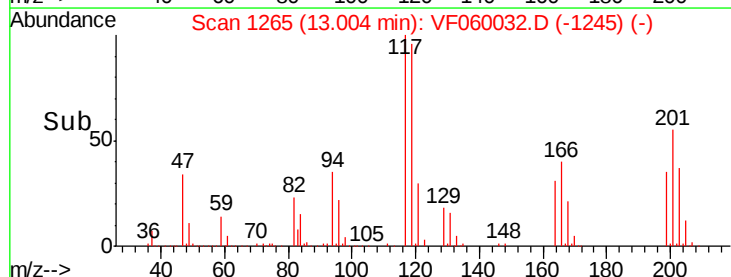
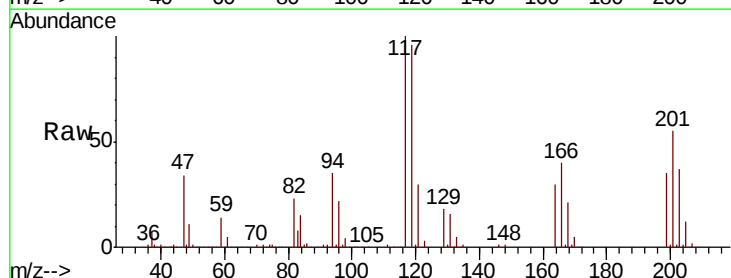
Manual Integrations
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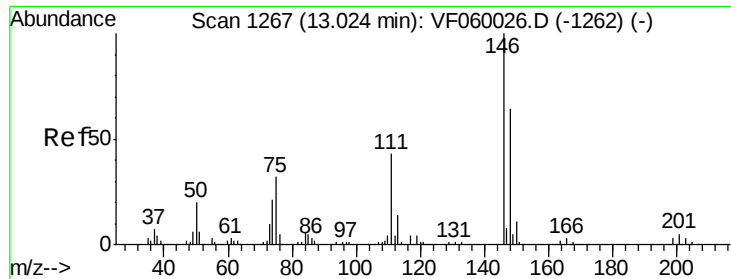
apatel
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#90
Hexachloroethane
Concen: 52.91 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF060032.D
Acq: 22 Aug 2018 11:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	55.1	38.6	115.8





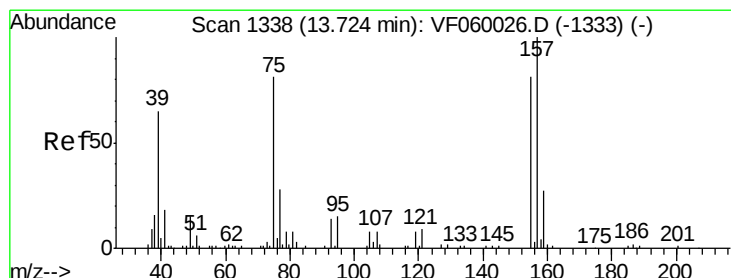
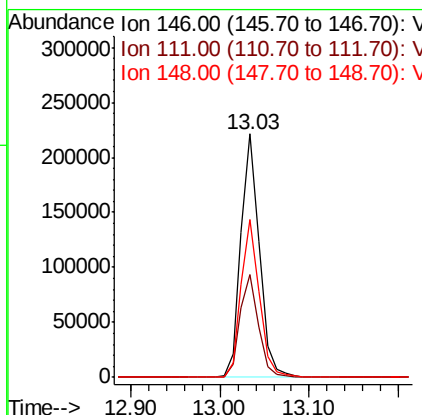
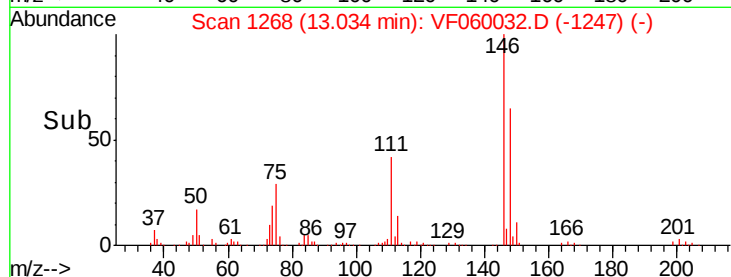
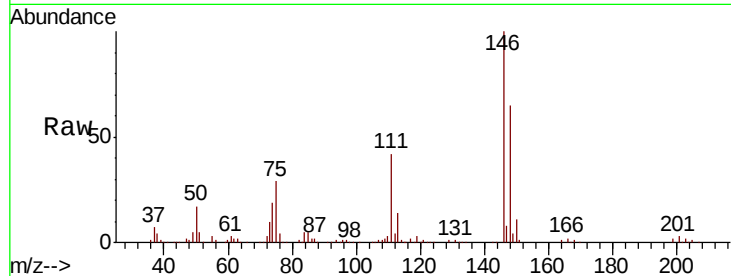
#91
 1,2-Dichlorobenzene
 Concen: 51.55 ug/l
 RT: 13.03 min Scan# 1268
 Delta R.T. 0.01 min
 Lab File: VF060032.D
 Acq: 22 Aug 2018 11:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.6	64.6
148	64.6	32.3	96.8

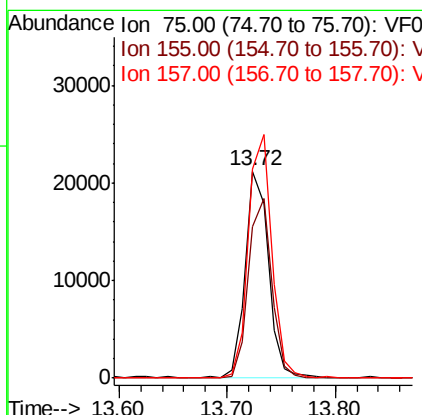
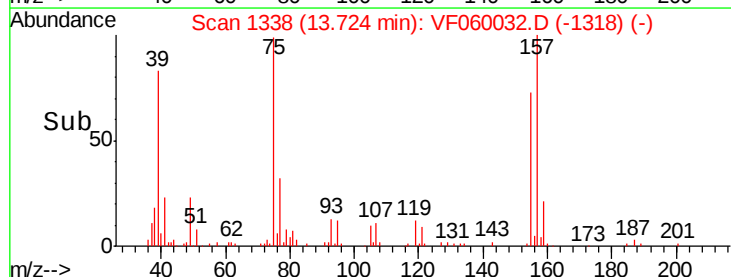
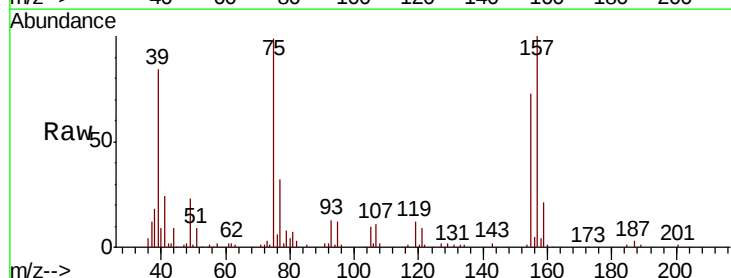
Manual Integrations
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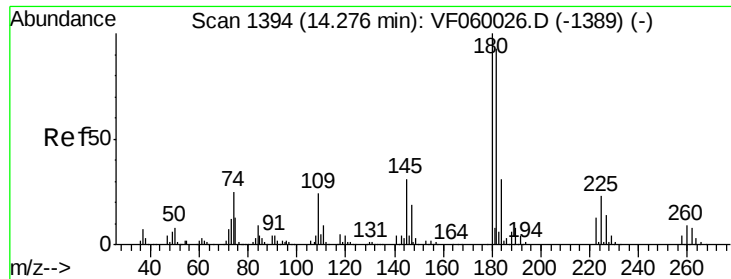
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.36 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.00 min
 Lab File: VF060032.D
 Acq: 22 Aug 2018 11:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.4	49.8	149.3
157	101.1	61.6	184.7





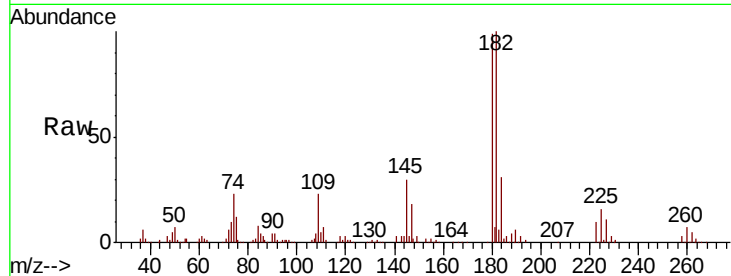
#93
 1,2,4-Trichlorobenzene
 Concen: 52.75 ug/l
 RT: 14.29 min Scan# 1395
 Delta R.T. 0.01 min
 Lab File: VF060032.D
 Acq: 22 Aug 2018 11:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	101.4	46.8	140.3	
145	30.1	15.4	46.4	

Manual Integrations
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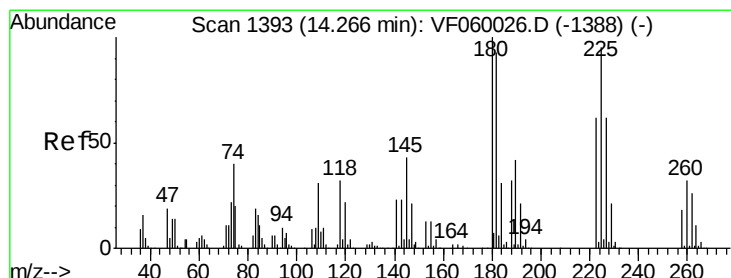
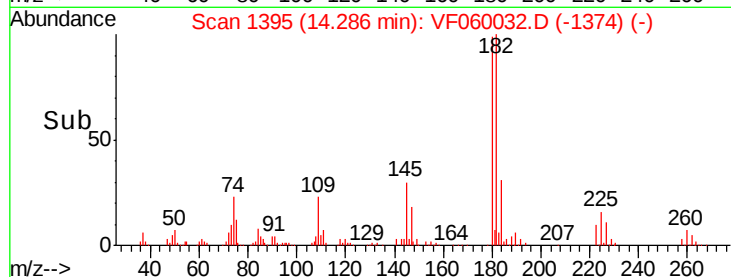
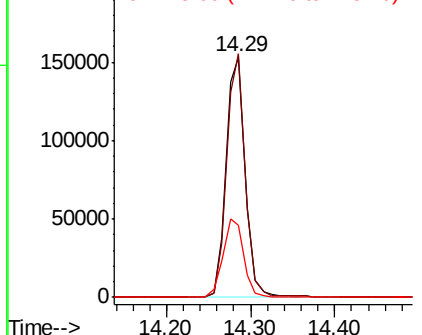


Abundance

Ion 180.00 (179.70 to 180.70): V

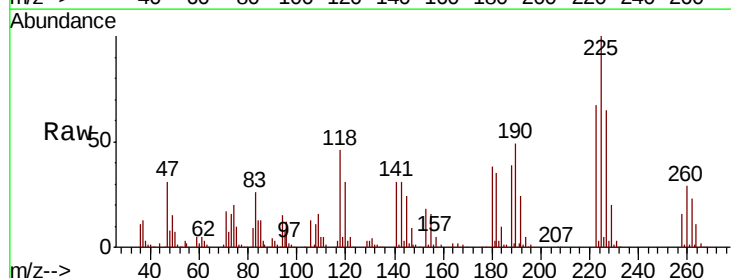
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 53.25 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF060032.D
 Acq: 22 Aug 2018 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	66.9	32.6	97.8	
227	64.9	33.0	98.9	

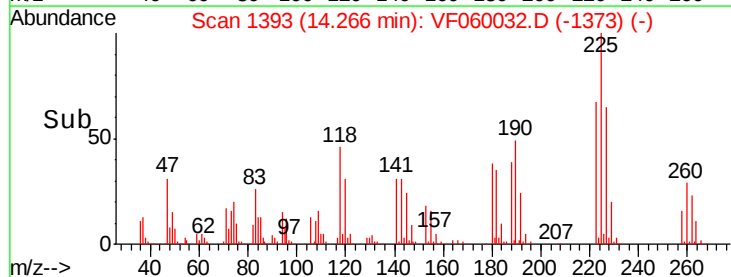
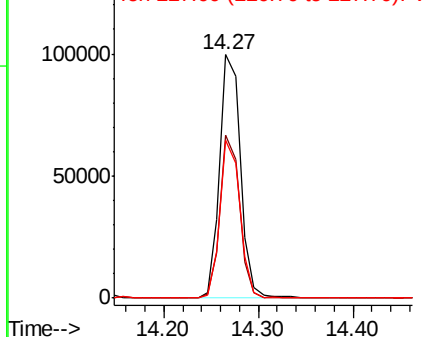


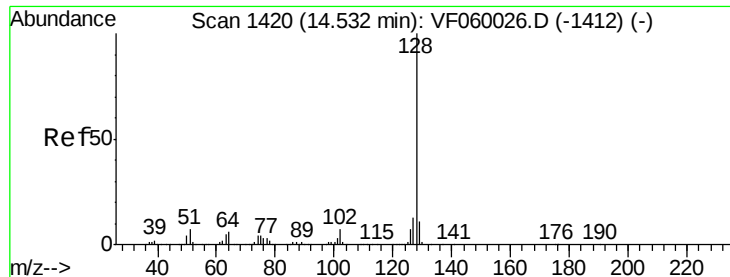
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





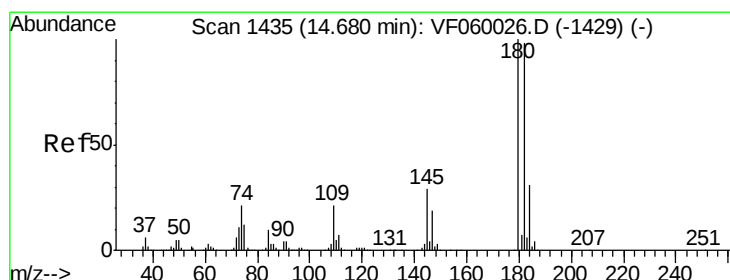
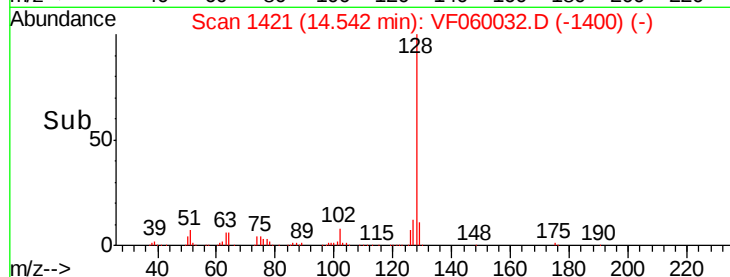
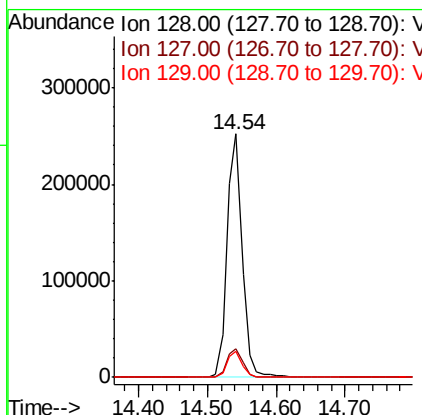
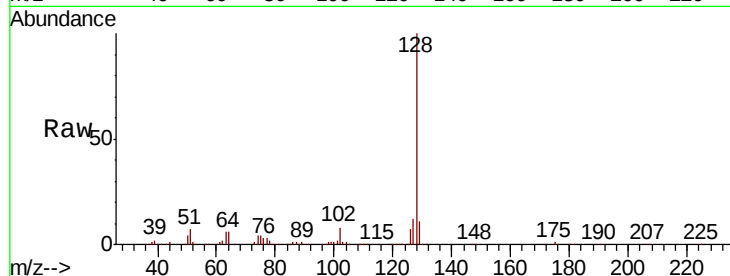
#95
Naphthalene
Concen: 48.31 ug/l
RT: 14.54 min Scan# 1421
Delta R.T. 0.01 min
Lab File: VF060032.D
Acq: 22 Aug 2018 11:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.8	10.4	15.6
129	10.8	8.5	12.7

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 53.75 ug/l
RT: 14.69 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VF060032.D
Acq: 22 Aug 2018 11:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	49.0	147.2
145	30.4	14.4	43.2

