

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082118\
 Data File : VF060024.D
 Acq On : 21 Aug 2018 17:27
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 8/22/2018 10:09:21 AM

Quant Time: Aug 22 04:18:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 03:57:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	230491	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	325664	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	359948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	218473	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	29568	6.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	13.90%	
35) Dibromofluoromethane	4.30	113	26454	8.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	16.52%	
50) Toluene-d8	7.71	98	77091	10.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.04%	
62) 4-Bromofluorobenzene	11.52	95	42043	9.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	29117	7.72	ug/l	95
3) Chloromethane	1.08	50	21939	10.46	ug/l	99
4) Vinyl Chloride	1.13	62	18278	7.99	ug/l	91
5) Bromomethane	1.32	94	14669	6.70	ug/l	96
6) Chloroethane	1.39	64	8066	7.06	ug/l	89
7) Trichlorofluoromethane	1.49	101	39623	6.30	ug/l	99
8) Diethyl Ether	1.71	74	6026	6.35	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.87	101	20360	6.83	ug/l	96
10) Methyl Iodide	1.93	142	24045	6.38	ug/l	97
11) Tert butyl alcohol	2.68	59	7780	31.50	ug/l #	80
12) 1,1-Dichloroethene	1.84	96	15027	7.22	ug/l	87
13) Acrolein	2.09	56	3133	23.45	ug/l	84
14) Allyl chloride	2.19	41	25583	7.27	ug/l	96
15) Acrylonitrile	3.08	53	16152	40.52	ug/l	94
16) Acetone	2.34	43	41680	31.53	ug/l	100
17) Carbon Disulfide	1.85	76	50803	7.72	ug/l #	90
18) Methyl Acetate	2.46	43	15852	6.28	ug/l	99
19) Methyl tert-butyl Ether	2.54	73	43628	6.44	ug/l #	87
20) Methylene Chloride	2.28	84	18786	6.39	ug/l	95
21) trans-1,2-Dichloroethene	2.42	96	17228	7.73	ug/l	90
22) Diisopropyl ether	2.93	45	56588	7.49	ug/l	99
23) Vinyl Acetate	3.34	43	133521	42.30	ug/l	98
24) 1,1-Dichloroethane	3.01	63	33621	6.90	ug/l	99
25) 2-Butanone	4.52	43	51459	47.15	ug/l	100
26) 2,2-Dichloropropane	3.77	77	33071	7.51	ug/l	89
27) cis-1,2-Dichloroethene	3.64	96	22605	10.43	ug/l	94
28) Bromochloromethane	3.90	49	16892	11.23	ug/l	84
29) Tetrahydrofuran	4.26	42	19448	49.67	ug/l	96
30) Chloroform	4.04	83	49164	8.40	ug/l	92
31) Cyclohexane	3.87	56	27644	11.35	ug/l	99
32) 1,1,1-Trichloroethane	4.28	97	42263	7.56	ug/l	92
36) 1,1-Dichloropropene	4.47	75	32290	8.84	ug/l	95
37) Ethyl Acetate	4.29	43	20485	10.26	ug/l #	85
38) Carbon Tetrachloride	4.18	117	35911	7.13	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	30822	11.05	ug/l	88
40) Benzene	4.81	78	68911	10.98	ug/l	95
41) Methacrylonitrile	4.92	41	9356	9.68	ug/l	92
42) 1,2-Dichloroethane	5.12	62	37040	7.36	ug/l	99
43) Isopropyl Acetate	7.12	43	21509	9.50	ug/l #	98
44) Trichloroethene	5.68	130	22539	9.40	ug/l	96
45) 1,2-Dichloropropane	6.41	63	17737	9.79	ug/l #	79
46) Dibromomethane	6.26	93	14948	8.62	ug/l	93
47) Bromodichloromethane	6.56	83	35504	7.77	ug/l	97
48) Methyl methacrylate	6.88	41	14616	8.86	ug/l	96
49) 1,4-Dioxane	6.87	88	2550	196.88	ug/l	97
51) 4-Methyl-2-Pentanone	8.41	43	104267	49.85	ug/l	96
52) Toluene	7.79	92	53145	11.33	ug/l	96
53) t-1,3-Dichloropropene	8.44	75	32885	8.46	ug/l	91
54) cis-1,3-Dichloropropene	7.46	75	36104	9.40	ug/l	96
55) 1,1,2-Trichloroethane	8.65	97	16482	8.79	ug/l #	90
56) Ethyl methacrylate	8.77	69	20041	9.18	ug/l	99
57) 1,3-Dichloropropane	9.00	76	31665	9.45	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.79	63	9493	54.78	ug/l	100
59) 2-Hexanone	9.63	43	86452	49.99	ug/l	96
60) Dibromochloromethane	8.86	129	25738	7.80	ug/l	97
61) 1,2-Dibromoethane	9.14	107	21162	9.18	ug/l	92
64) Tetrachloroethene	8.31	164	23769	8.71	ug/l	92
65) Chlorobenzene	9.95	112	67789	9.56	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.08	131	24950	7.87	ug/l	96
67) Ethyl Benzene	10.05	91	122867	9.63	ug/l	98
68) m/p-Xylenes	10.27	106	89289	19.85	ug/l	94
69) o-Xylene	10.84	106	45926	9.98	ug/l	92
70) Styrene	10.90	104	72286	9.85	ug/l	99
71) Bromoform	10.89	173	16514	7.06	ug/l	94
73) Isopropylbenzene	11.23	105	137575	10.46	ug/l	98
74) N-amyl acetate	11.47	43	36998	9.75	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.79	83	28445	10.76	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	21879	9.61	ug/l	98
77) Bromobenzene	11.60	156	35872	9.81	ug/l	99
78) n-propylbenzene	11.69	91	168366	10.29	ug/l	96
79) 2-Chlorotoluene	11.82	91	99659	10.15	ug/l	100
80) 1,3,5-Trimethylbenzene	11.92	105	120435	10.21	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.96	75	10178m	10.60	ug/l	
82) 4-Chlorotoluene	12.00	91	106545	9.92	ug/l	100
83) tert-Butylbenzene	12.23	119	118875	10.30	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	126146	10.17	ug/l	96
85) sec-Butylbenzene	12.39	105	158485	10.29	ug/l	99
86) p-Isopropyltoluene	12.54	119	128126	9.41	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	66059	9.47	ug/l	100
88) 1,4-Dichlorobenzene	12.65	146	65567	9.67	ug/l	98
89) n-Butylbenzene	12.93	91	125974	9.57	ug/l	97
90) Hexachloroethane	13.00	117	28537	9.41	ug/l	95
91) 1,2-Dichlorobenzene	13.02	146	67307	10.13	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	5172	7.48	ug/l	92

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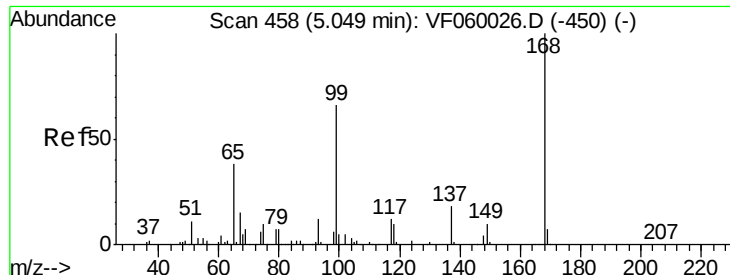
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	43247	8.04	ug/l	97
94) Hexachlorobutadiene	14.27	225	29666	8.39	ug/l	93
95) Naphthalene	14.53	128	48248	6.25	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	39801	7.72	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.00 min

Lab File: VF060024.D

Acq: 21 Aug 2018 17:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 230491

Ion Ratio Lower Upper

168 100

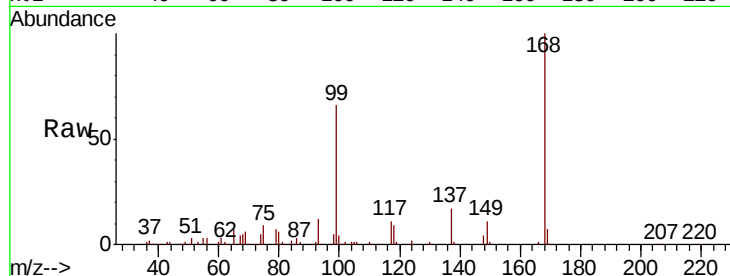
99 65.9 52.6 79.0

Manual Integrations

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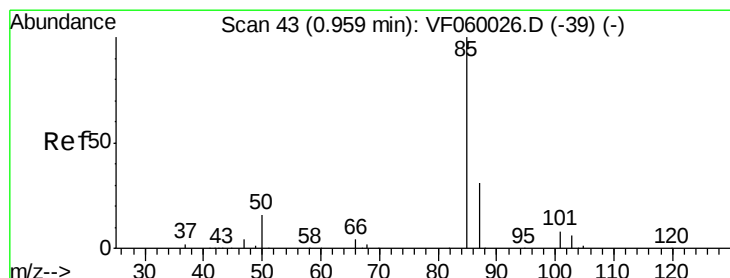
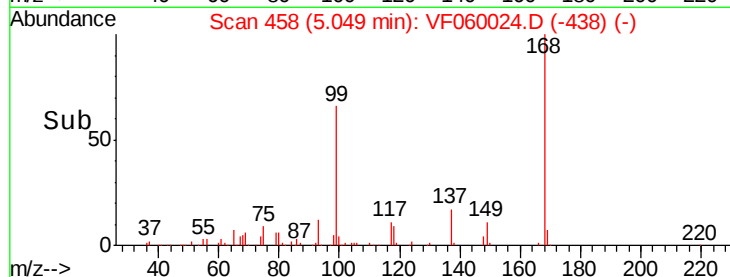
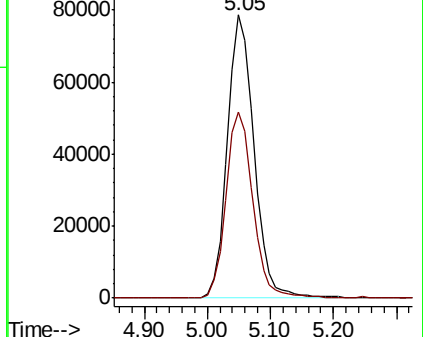
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 7.72 ug/l

RT: 0.96 min Scan# 43

Delta R.T. 0.00 min

Lab File: VF060024.D

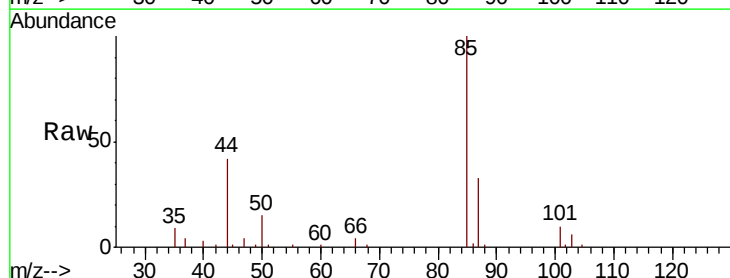
Acq: 21 Aug 2018 17:27

Tgt Ion: 85 Resp: 29117

Ion Ratio Lower Upper

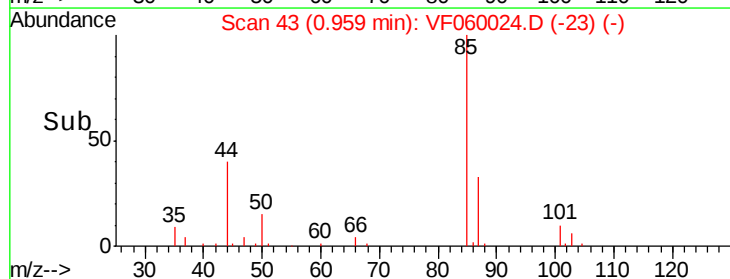
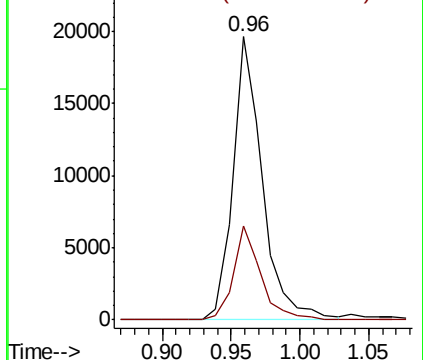
85 100

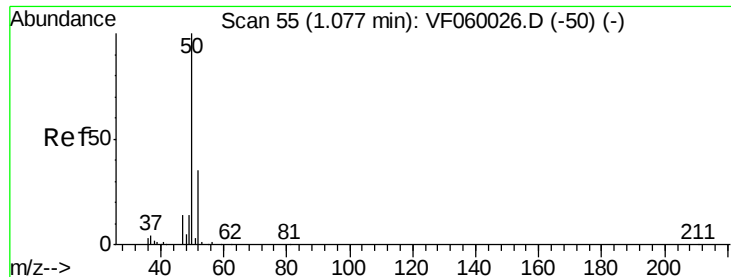
87 33.3 15.3 45.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 10.46 ug/l

RT: 1.08 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF060024.D

Acq: 21 Aug 2018 17:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 21939

Ion Ratio Lower Upper

50 100

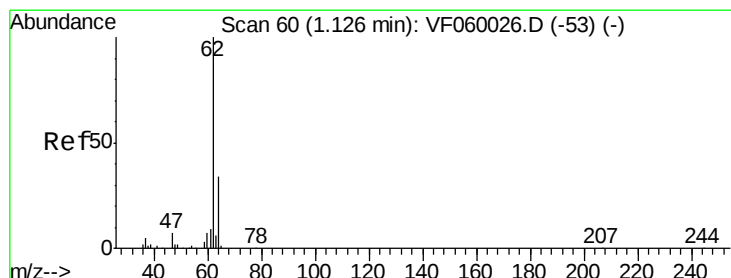
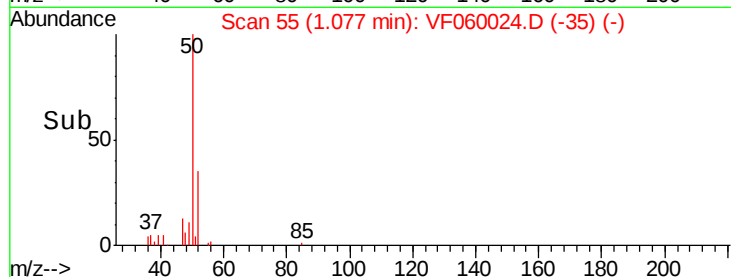
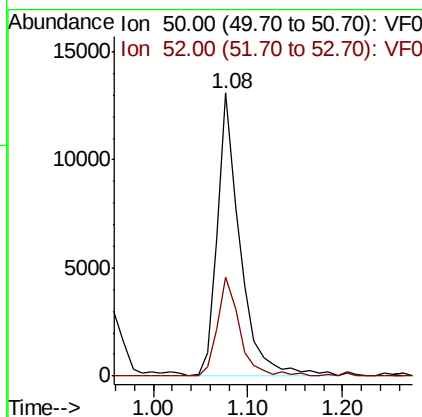
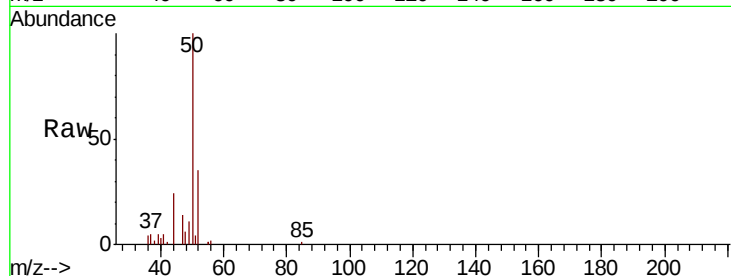
52 35.0 27.6 41.4

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#4

Vinyl Chloride

Concen: 7.99 ug/l

RT: 1.13 min Scan# 60

Delta R.T. 0.00 min

Lab File: VF060024.D

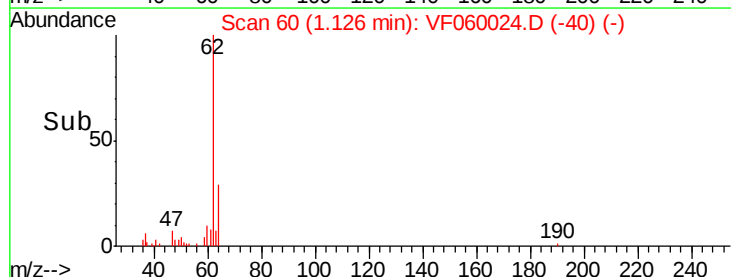
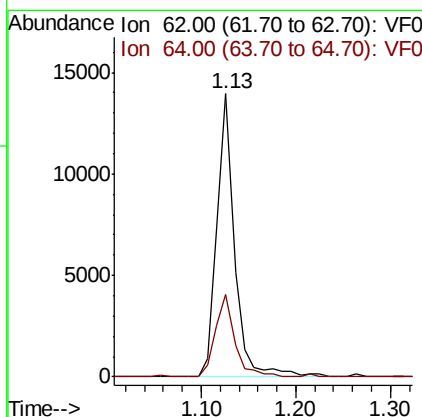
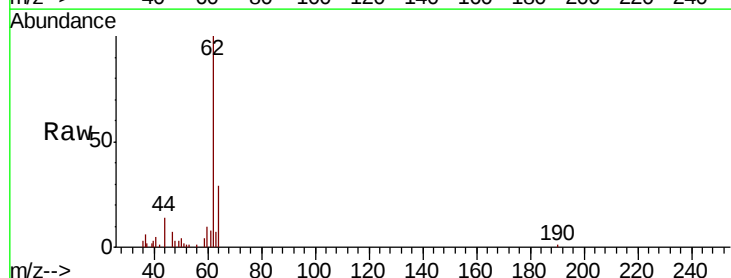
Acq: 21 Aug 2018 17:27

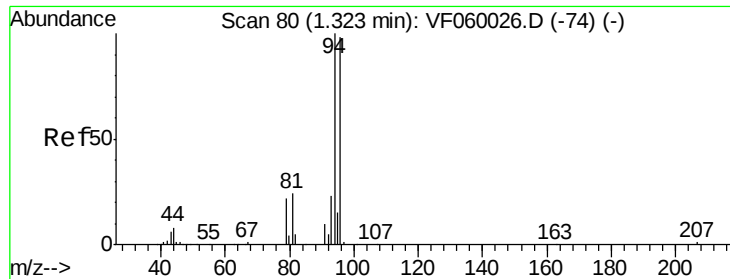
Tgt Ion: 62 Resp: 18278

Ion Ratio Lower Upper

62 100

64 29.0 27.4 41.2





#5

Bromomethane

Concen: 6.70 ug/l

RT: 1.32 min Scan# 80

Delta R.T. 0.00 min

Lab File: VF060024.D

Acq: 21 Aug 2018 17:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 14669

Ion Ratio Lower Upper

94 100

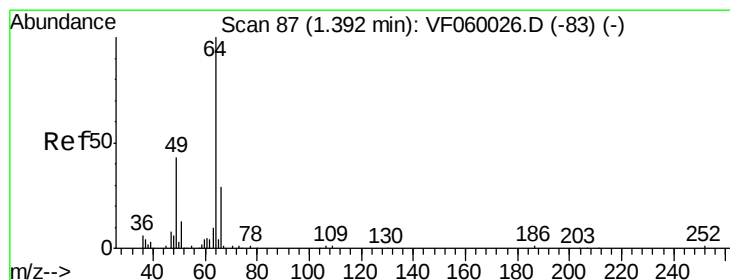
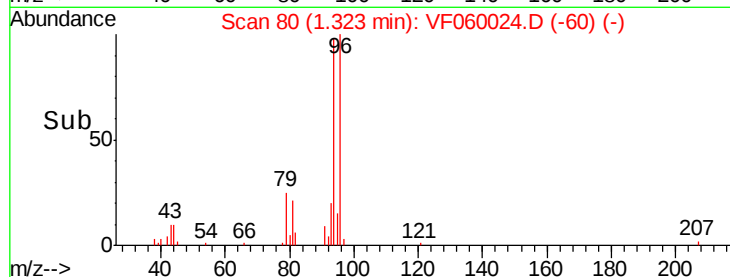
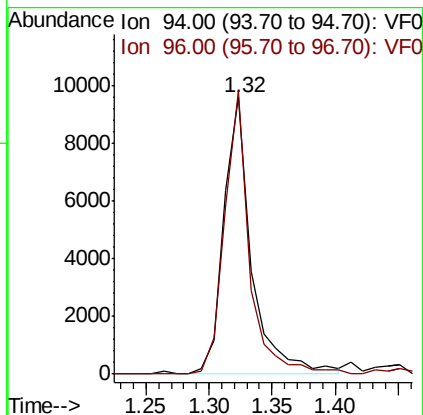
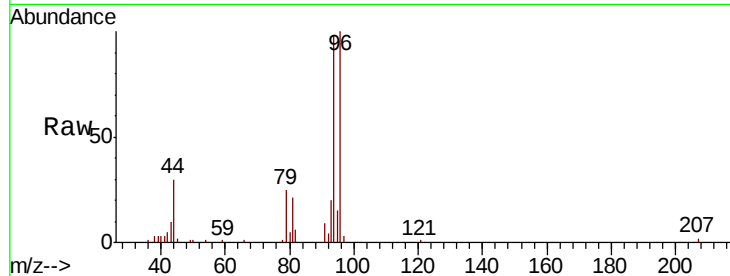
96 102.4 78.6 118.0

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#6

Chloroethane

Concen: 7.06 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF060024.D

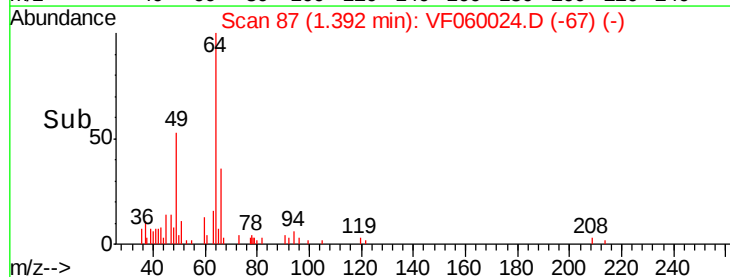
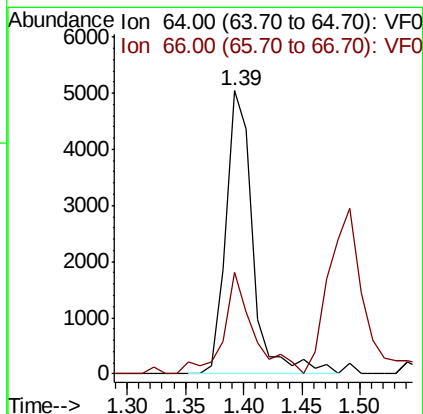
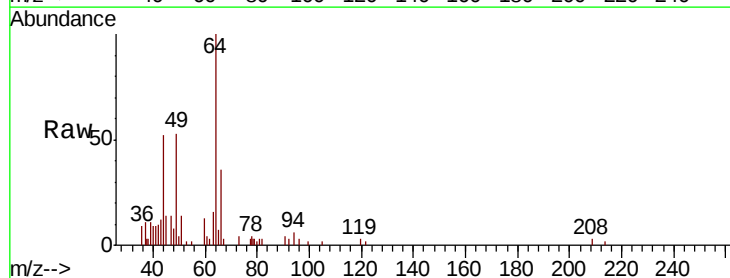
Acq: 21 Aug 2018 17:27

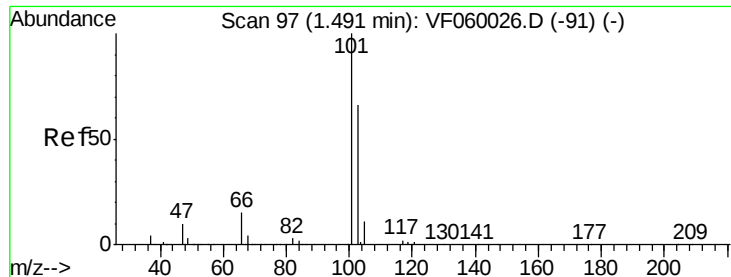
Tgt Ion: 64 Resp: 8066

Ion Ratio Lower Upper

64 100

66 36.0 24.1 36.1





#7

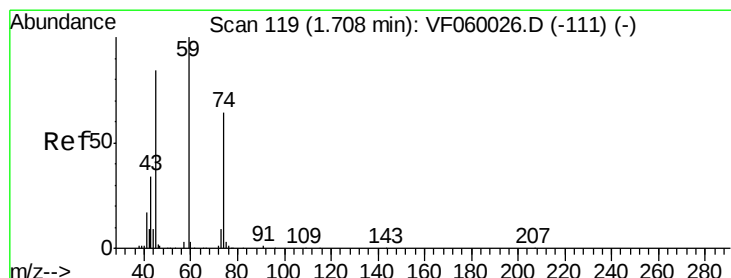
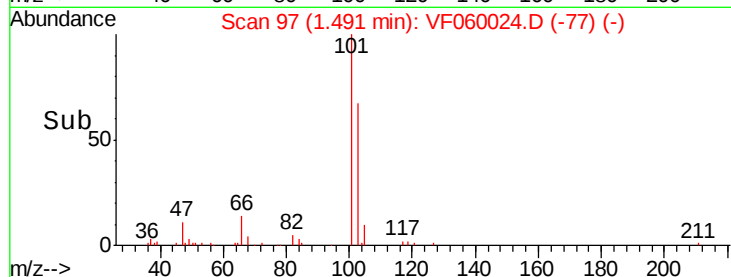
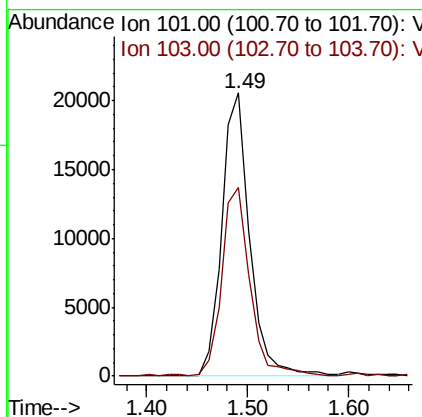
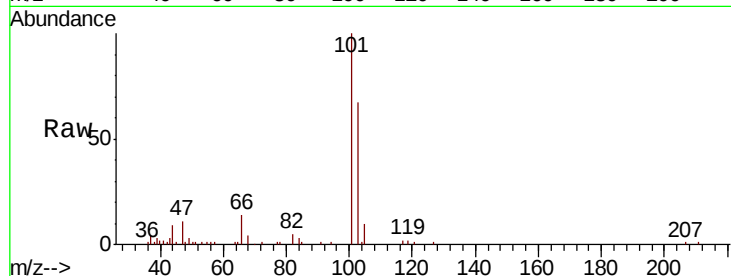
Trichlorofluoromethane
Concen: 6.30 ug/l
RT: 1.49 min Scan# 97
Delta R.T. 0.00 min
Lab File: VF060024.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	52.5	78.7

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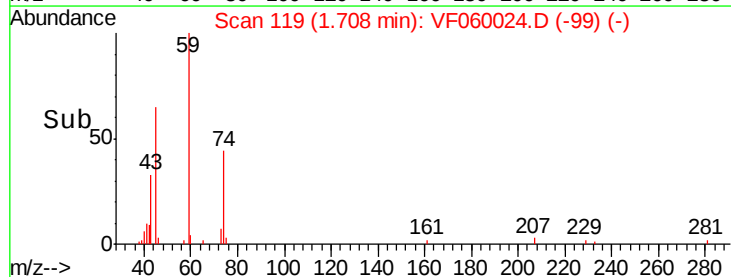
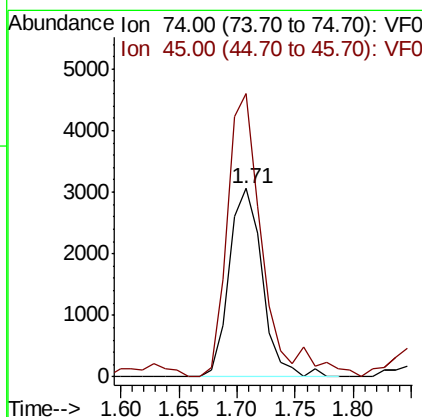
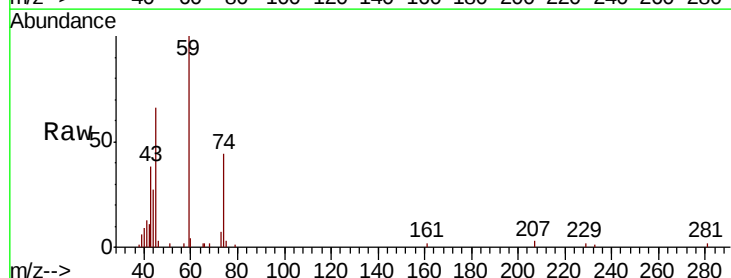
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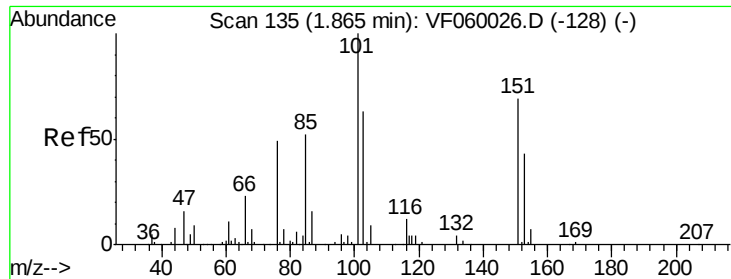


#8

Diethyl Ether
Concen: 6.35 ug/l
RT: 1.71 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF060024.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	150.3	66.0	198.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.83 ug/l

RT: 1.87 min Scan# 135

Delta R.T. 0.00 min

Lab File: VF060024.D

Acq: 21 Aug 2018 17:27

Instrument :

MSVOA_F

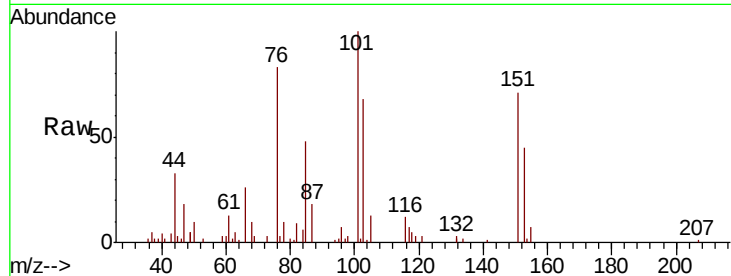
ClientSampleId :

VSTDIC010

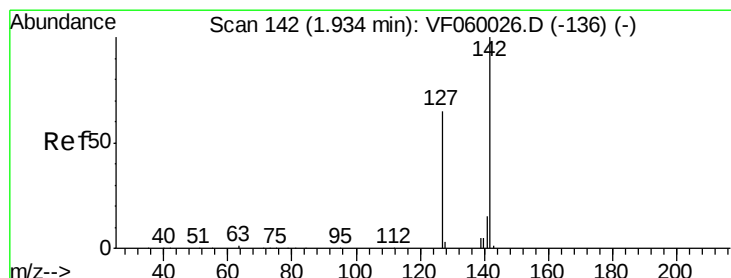
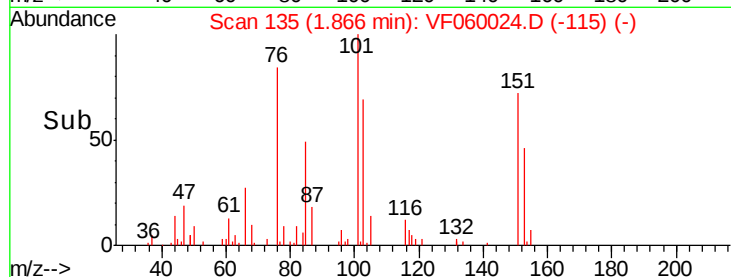
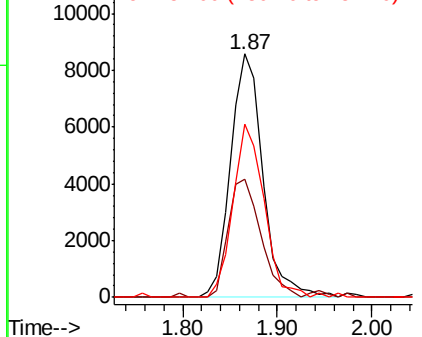
Tot Ion:	101	Resp:	20360
Ion Ratio	Lower	Upper	
101	100		
85	48.4	41.5	62.3
151	71.0	55.2	82.8

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Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VF0
Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 6.38 ug/l

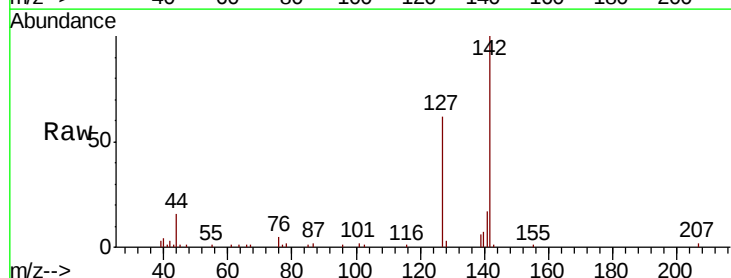
RT: 1.93 min Scan# 142

Delta R.T. 0.00 min

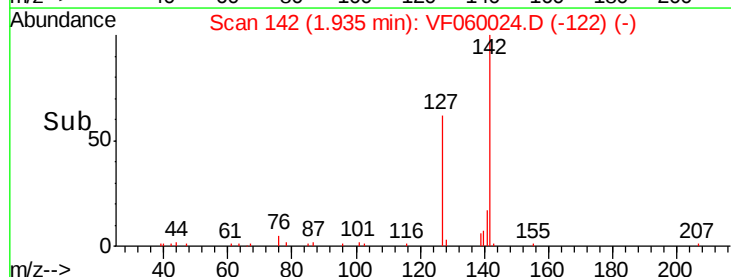
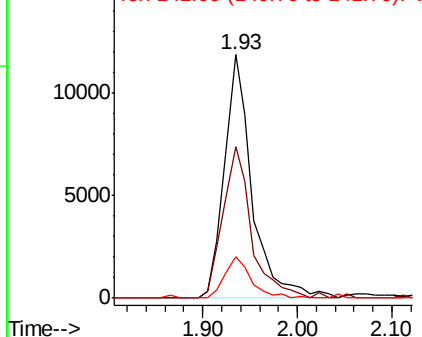
Lab File: VF060024.D

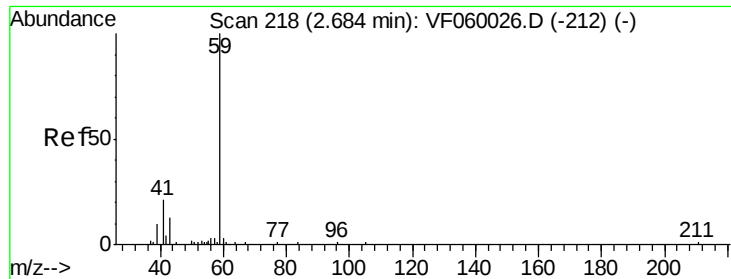
Acq: 21 Aug 2018 17:27

Tgt Ion:	142	Resp:	24045
Ion Ratio	Lower	Upper	
142	100		
127	62.4	51.8	77.6
141	16.8	11.9	17.9



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V





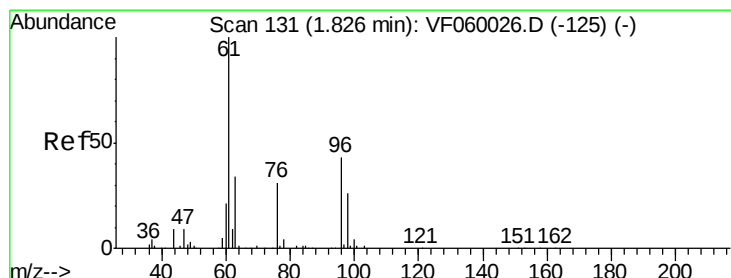
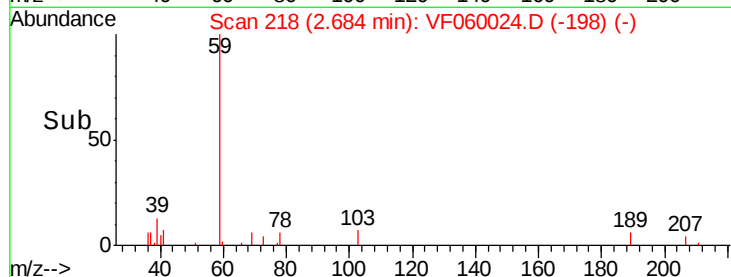
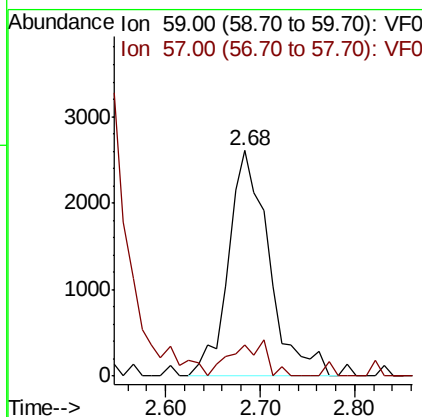
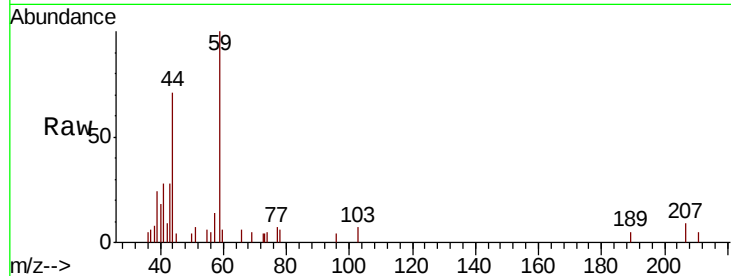
#11
Tert butyl alcohol
Concen: 31.50 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.00 min
Lab File: VF060024.D
Acq: 21 Aug 2018 17:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	59	Resp	7780
Ion Ratio	100	Lower	Upper
57	13.8	5.4	8.2#

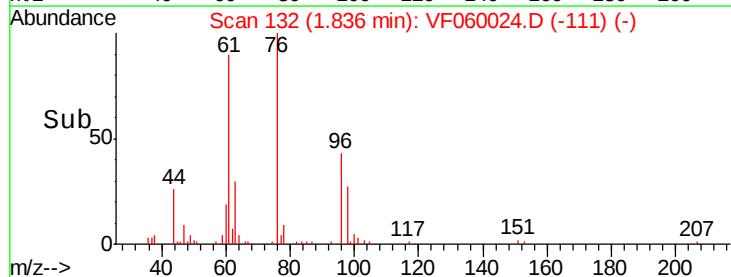
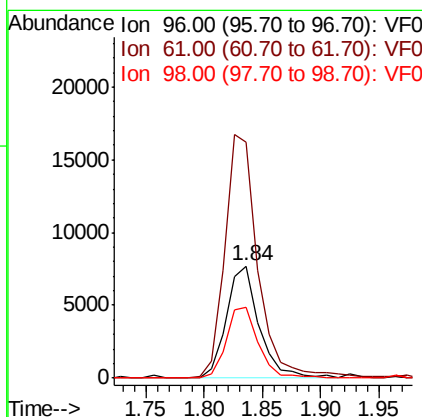
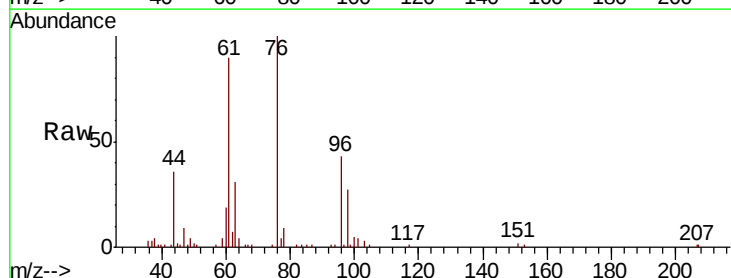
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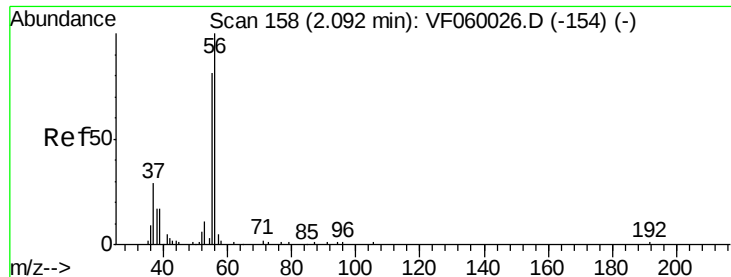
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#12
1,1-Dichloroethene
Concen: 7.22 ug/l
RT: 1.84 min Scan# 132
Delta R.T. 0.01 min
Lab File: VF060024.D
Acq: 21 Aug 2018 17:27

Tgt Ion	96	Resp	15027
Ion Ratio	100	Lower	Upper
61	206.0	185.0	277.6
98	62.0	47.8	71.8





#13

Acrolein

Concen: 23.45 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF060024.D

Acq: 21 Aug 2018 17:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 3133

Ion Ratio Lower Upper

56 100

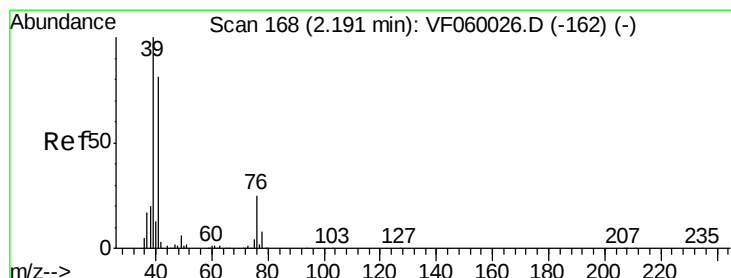
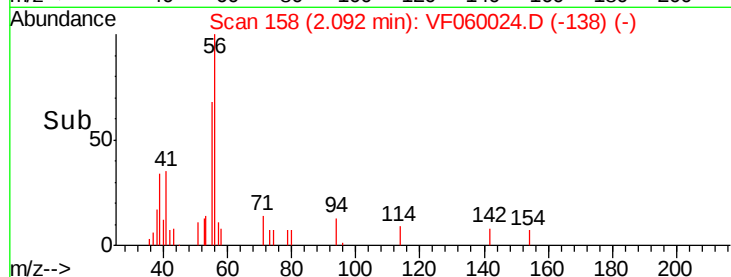
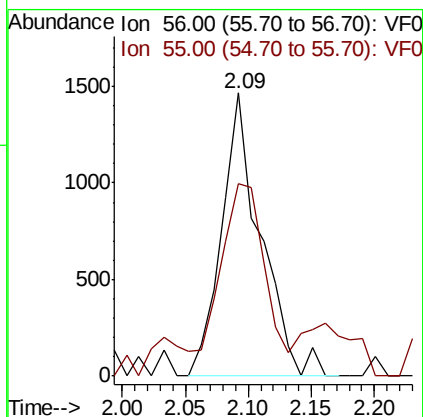
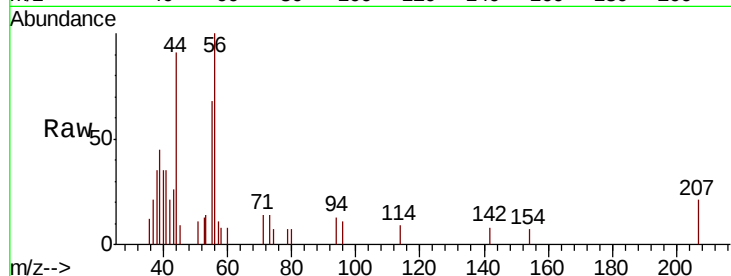
55 67.8 65.6 98.4

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#14

Allyl chloride

Concen: 7.27 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF060024.D

Acq: 21 Aug 2018 17:27

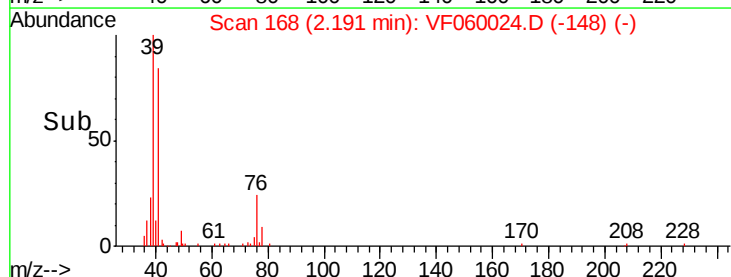
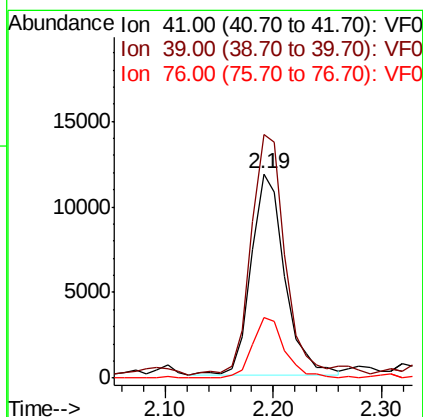
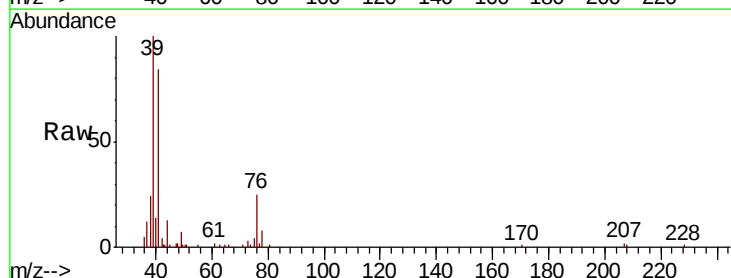
Tgt Ion: 41 Resp: 25583

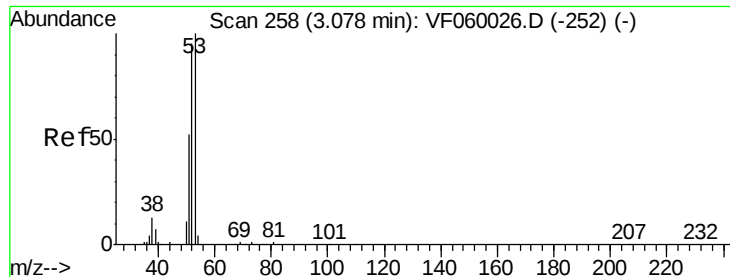
Ion Ratio Lower Upper

41 100

39 119.3 99.3 148.9

76 29.7 24.3 36.5





#15

Acrylonitrile

Concen: 40.52 ug/l

RT: 3.08 min Scan# 258

Delta R.T. 0.00 min

Lab File: VF060024.D

Acq: 21 Aug 2018 17:27

Instrument :

MSVOA_F

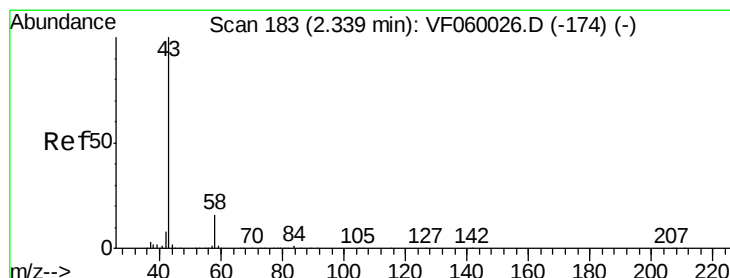
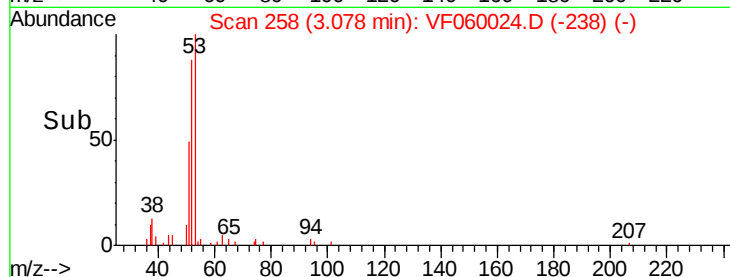
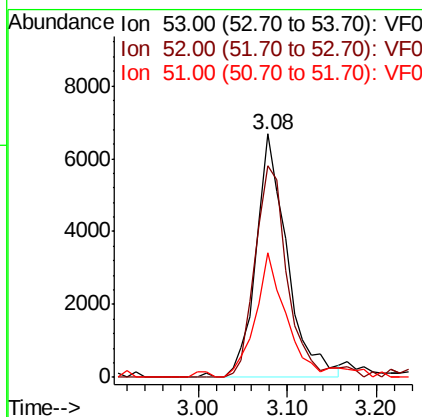
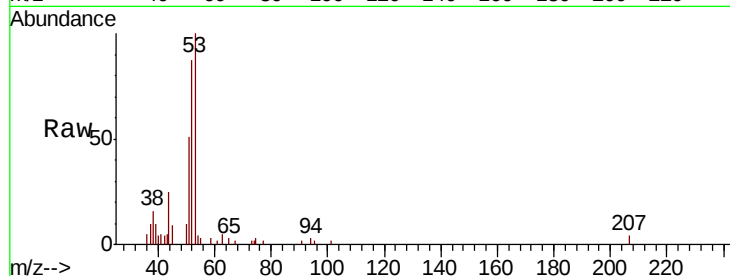
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	16152
Ion	Ratio	Lower	Upper
53	100		
52	86.8	75.8	113.8
51	50.9	42.1	63.1

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#16

Acetone

Concen: 31.53 ug/l

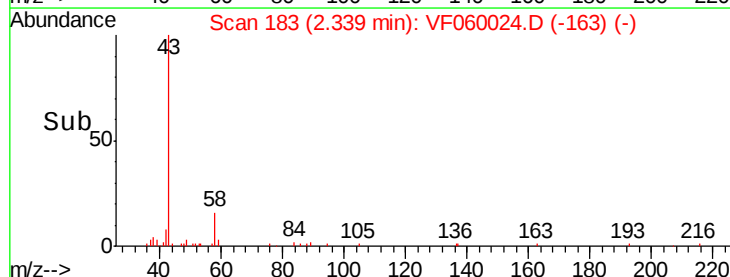
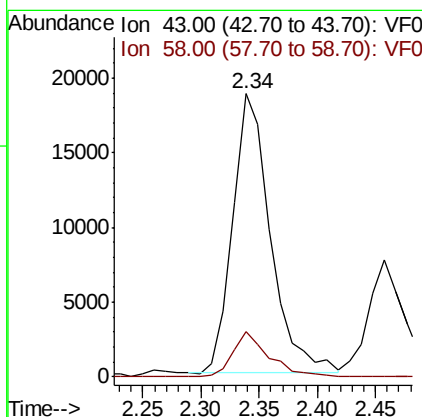
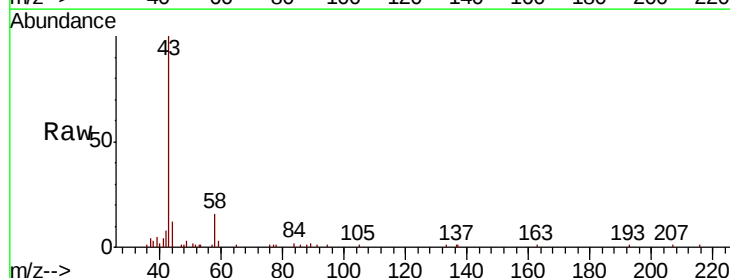
RT: 2.34 min Scan# 183

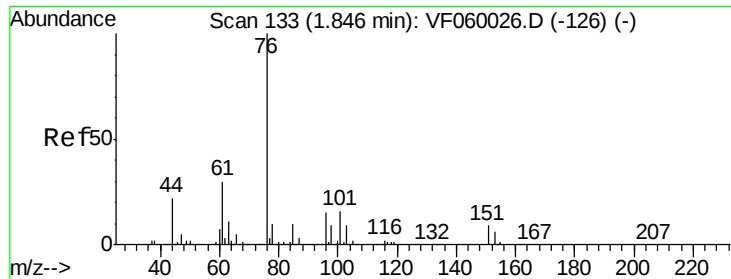
Delta R.T. 0.00 min

Lab File: VF060024.D

Acq: 21 Aug 2018 17:27

Tgt Ion:	43	Resp:	41680
Ion	Ratio	Lower	Upper
43	100		
58	15.8	12.6	19.0





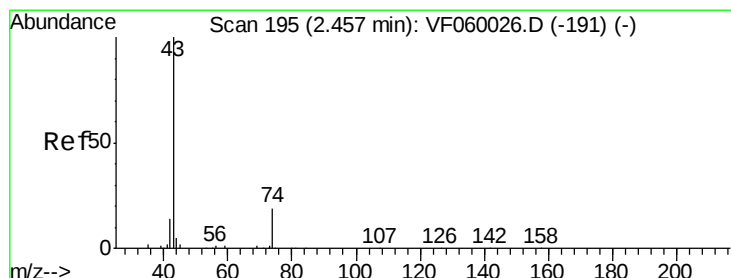
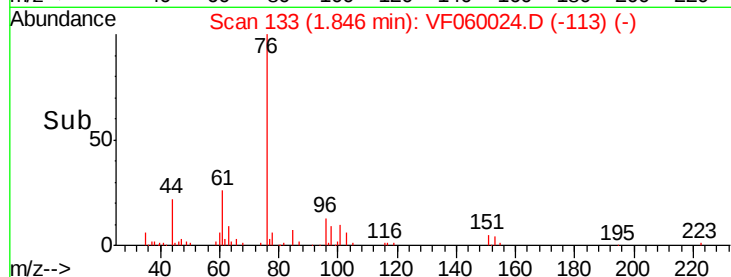
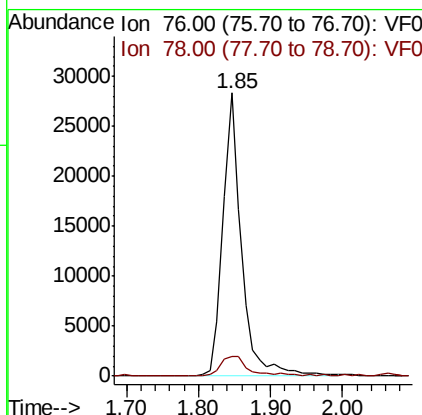
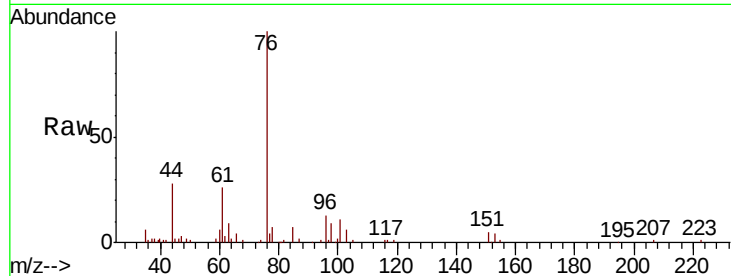
#17
Carbon Disulfide
Concen: 7.72 ug/l
RT: 1.85 min Scan# 133
Delta R.T. 0.00 min
Lab File: VF060024.D
Acq: 21 Aug 2018 17:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	6.8	8.4	12.6#

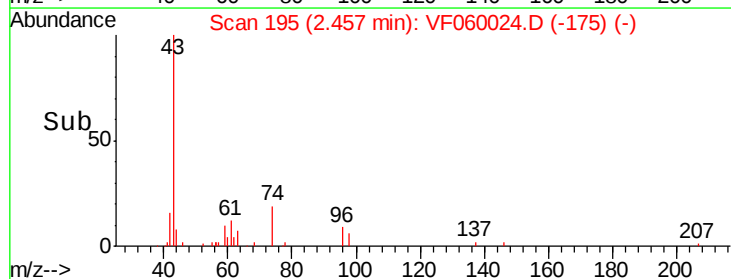
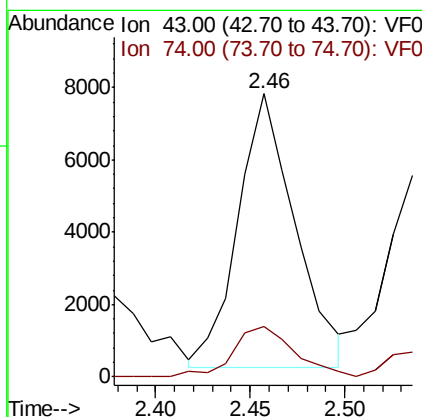
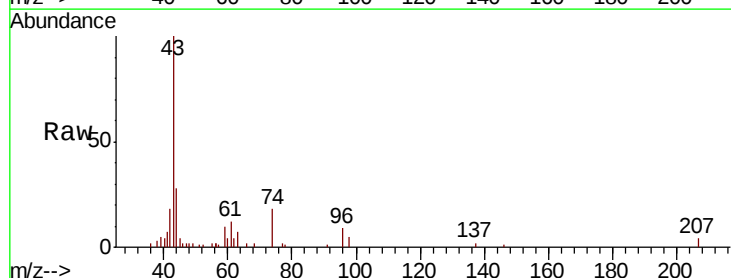
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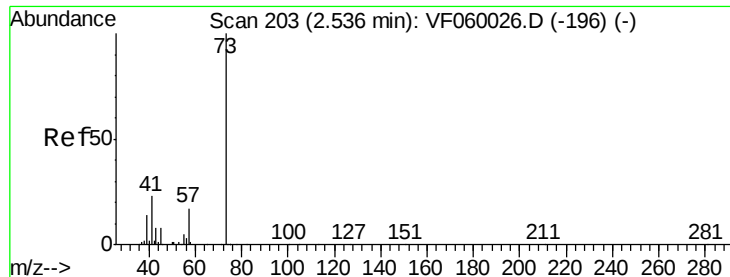
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#18
Methyl Acetate
Concen: 6.28 ug/l
RT: 2.46 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF060024.D
Acq: 21 Aug 2018 17:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	17.7	13.8	20.6





#19

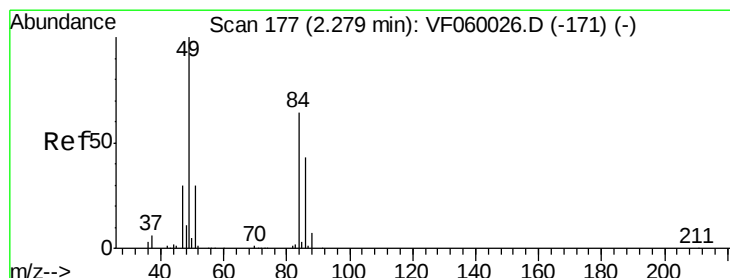
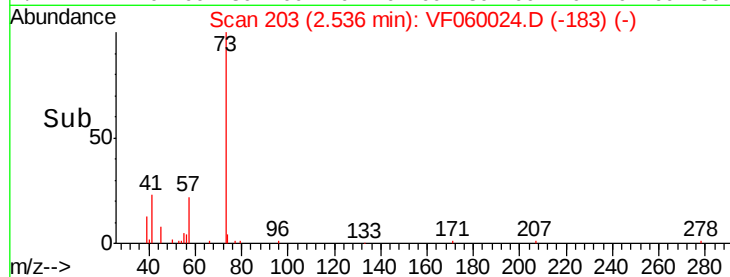
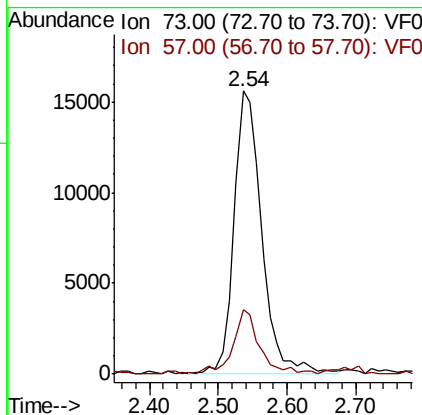
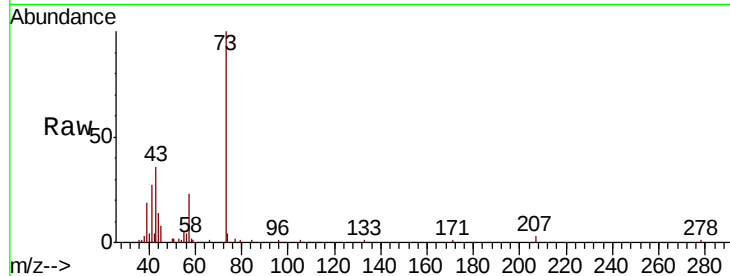
Methyl tert-butyl Ether
 Concen: 6.44 ug/l
 RT: 2.54 min Scan# 203
 Delta R.T. 0.00 min
 Lab File: VF060024.D
 Acq: 21 Aug 2018 17:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	73	Resp	43628
Ion Ratio	Lower	Upper	
73	100		
57	22.8	13.7	20.5#

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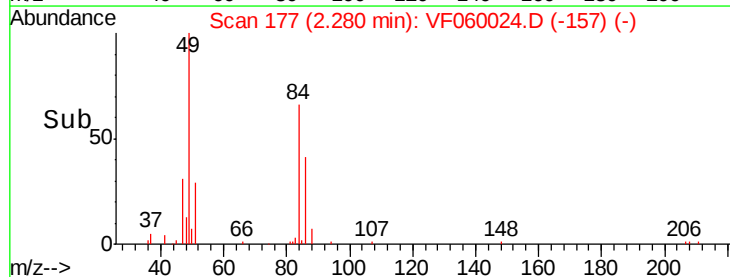
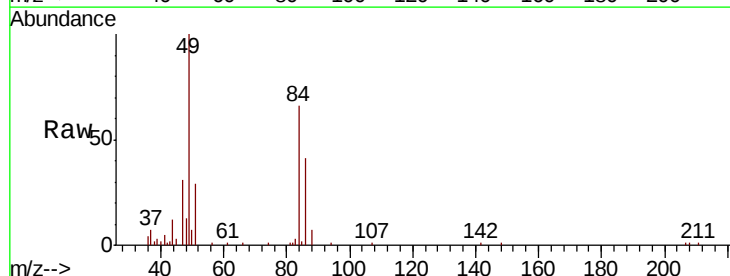
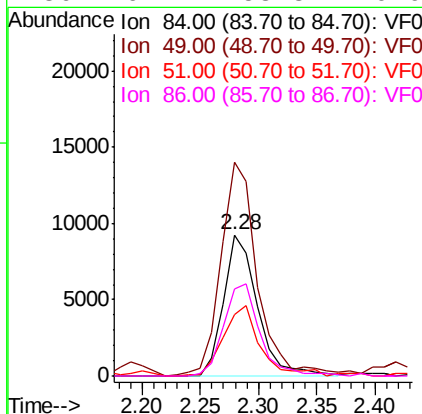
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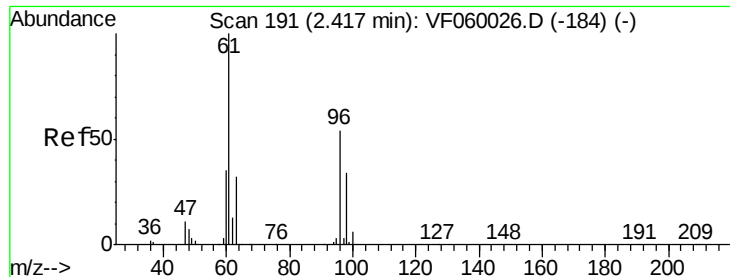


#20

Methylene Chloride
 Concen: 6.39 ug/l
 RT: 2.28 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VF060024.D
 Acq: 21 Aug 2018 17:27

Tgt Ion	84	Resp	18786
Ion Ratio	Lower	Upper	
84	100		
49	151.5	125.4	188.0
51	43.6	38.3	57.5
86	61.4	53.3	79.9





#21

trans-1,2-Dichloroethene

Concen: 7.73 ug/l

RT: 2.42 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF060024.D

Acq: 21 Aug 2018 17:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 96 Resp: 17228

Ion Ratio Lower Upper

96 100

61 168.1 147.4 221.0

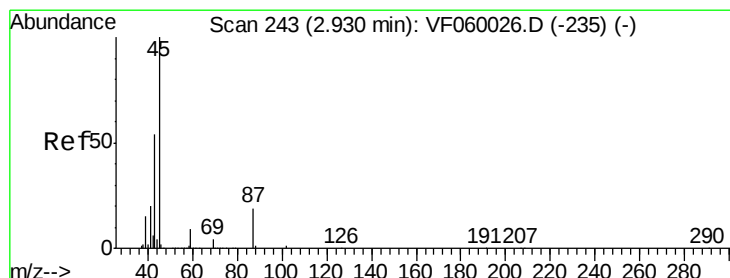
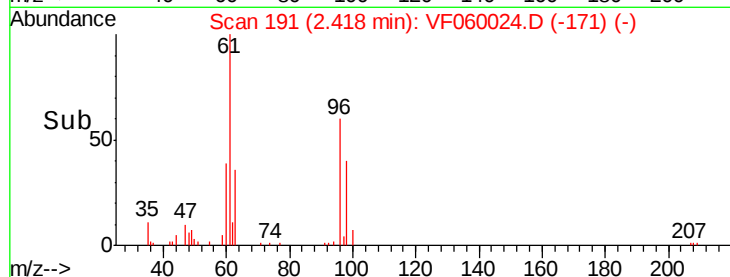
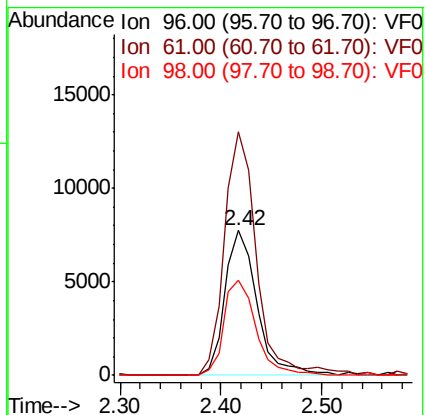
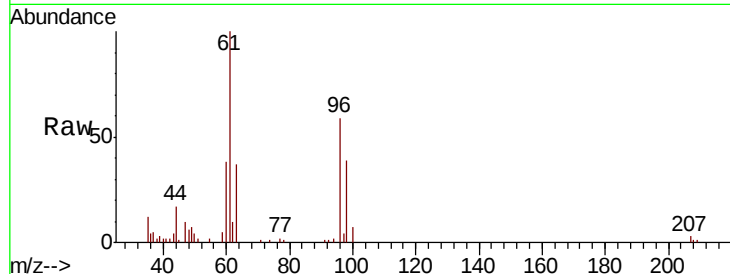
98 65.9 49.8 74.6

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#22

Diisopropyl ether

Concen: 7.49 ug/l

RT: 2.93 min Scan# 243

Delta R.T. 0.00 min

Lab File: VF060024.D

Acq: 21 Aug 2018 17:27

Tgt Ion: 45 Resp: 56588

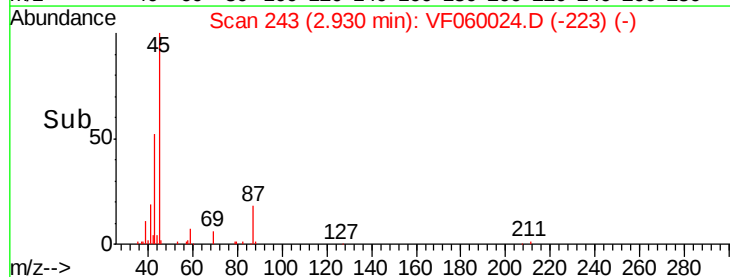
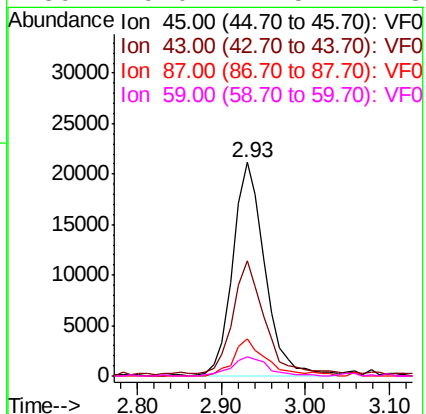
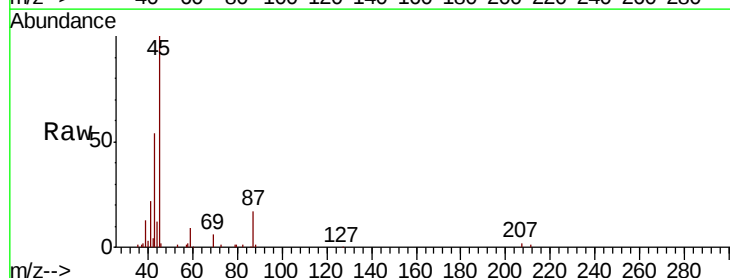
Ion Ratio Lower Upper

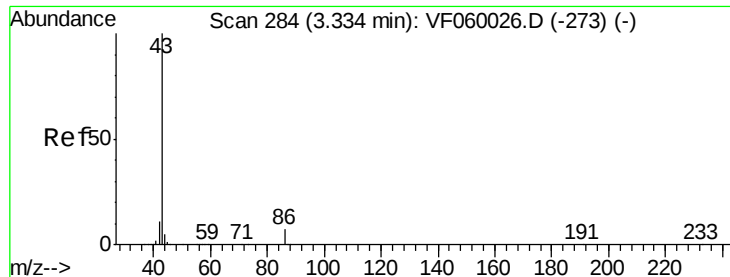
45 100

43 53.8 43.4 65.2

87 17.5 15.4 23.2

59 9.0 7.5 11.3





#23

Vinyl Acetate

Concen: 42.30 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.01 min

Lab File: VF060024.D

Acq: 21 Aug 2018 17:27

Instrument :

MSVOA_F

ClientSampleID :

VSTDIC010

Tot Ion: 43 Resp: 133521

Ion Ratio Lower Upper

43 100

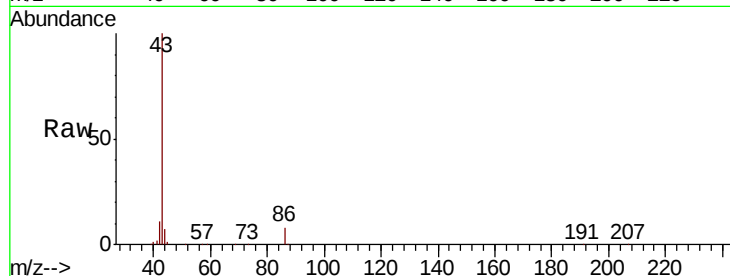
86 7.5 5.6 8.4

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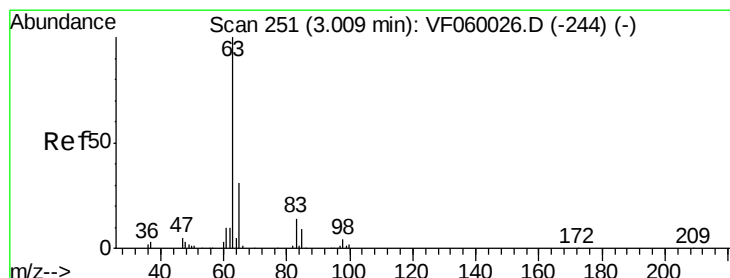
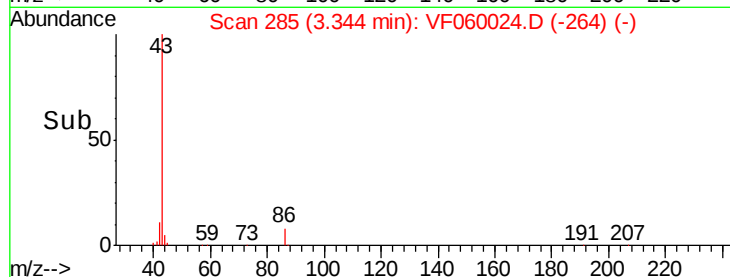
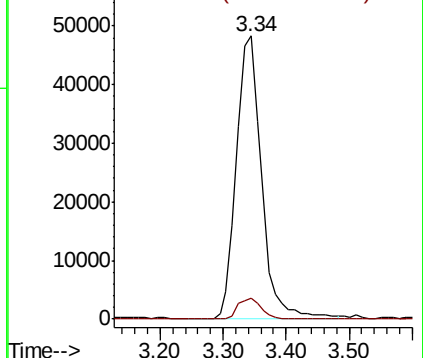
apatel

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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: 6.90 ug/l

RT: 3.01 min Scan# 251

Delta R.T. 0.00 min

Lab File: VF060024.D

Acq: 21 Aug 2018 17:27

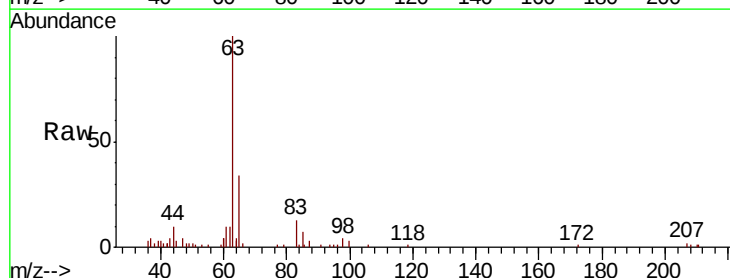
Tgt Ion: 63 Resp: 33621

Ion Ratio Lower Upper

63 100

98 4.2 2.1 6.5

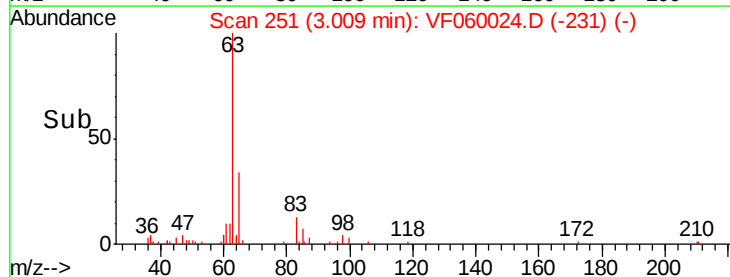
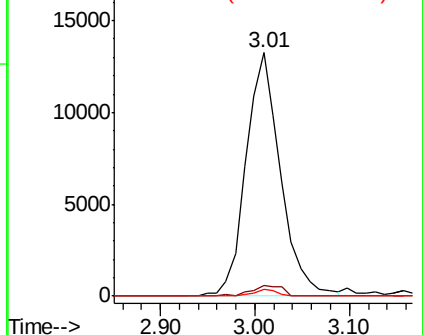
100 2.6 1.1 3.3

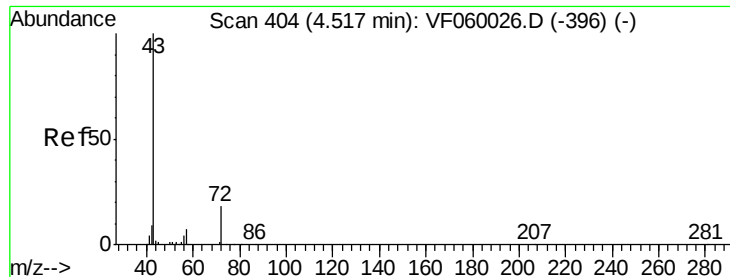


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 47.15 ug/l

RT: 4.52 min Scan# 404

Delta R.T. 0.00 min

Lab File: VF060024.D

Acq: 21 Aug 2018 17:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 51459

Ion Ratio Lower Upper

43 100

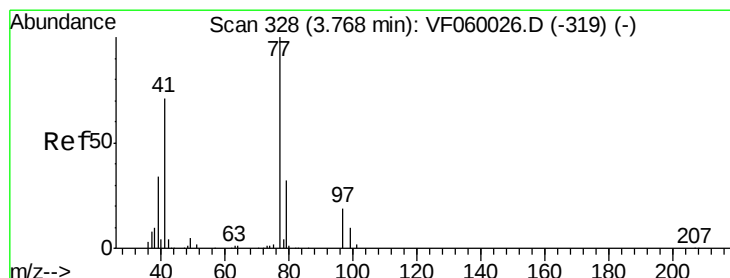
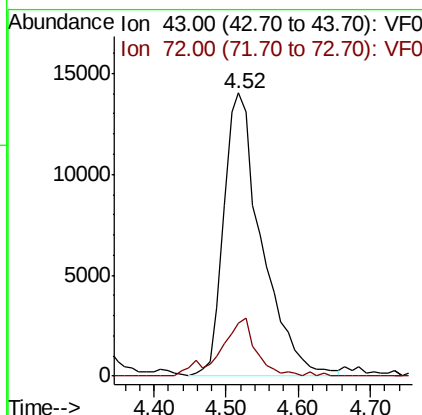
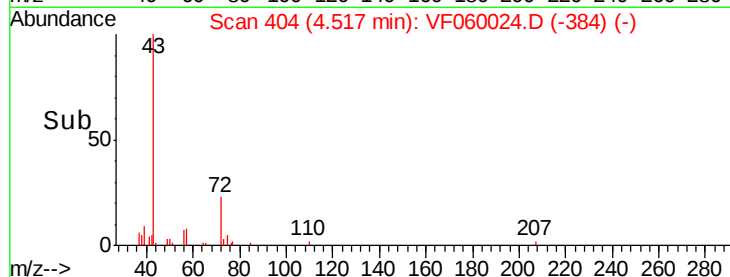
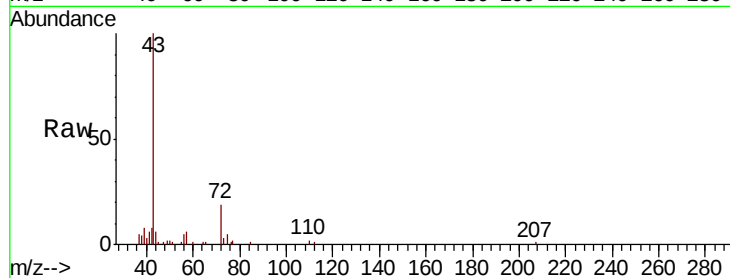
72 18.6 15.0 22.6

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#26

2,2-Dichloropropane

Concen: 7.51 ug/l

RT: 3.77 min Scan# 328

Delta R.T. 0.00 min

Lab File: VF060024.D

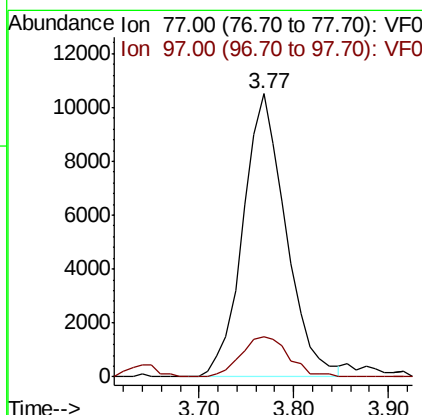
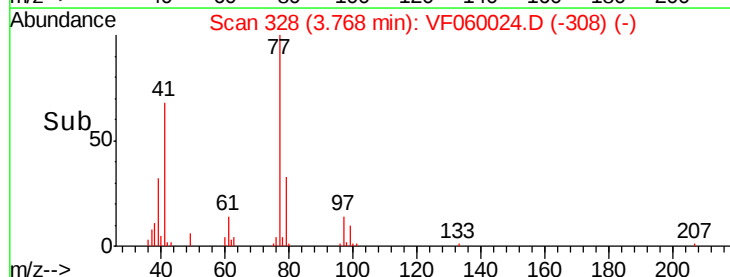
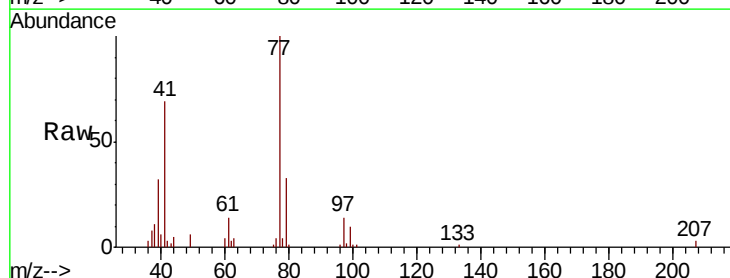
Acq: 21 Aug 2018 17:27

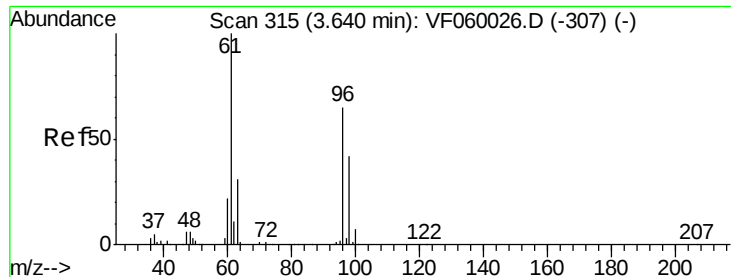
Tgt Ion: 77 Resp: 33071

Ion Ratio Lower Upper

77 100

97 14.3 9.7 29.1





#27

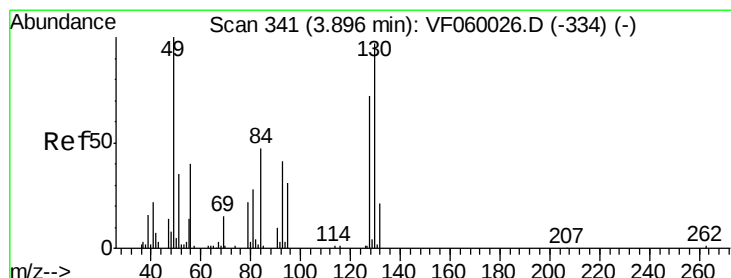
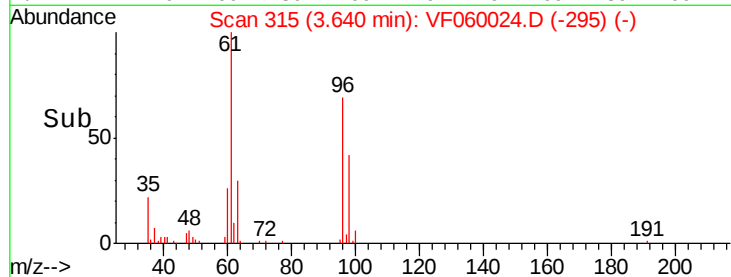
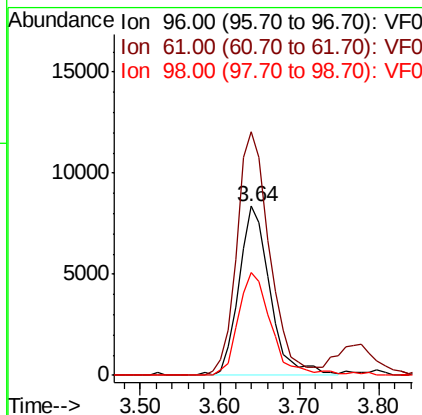
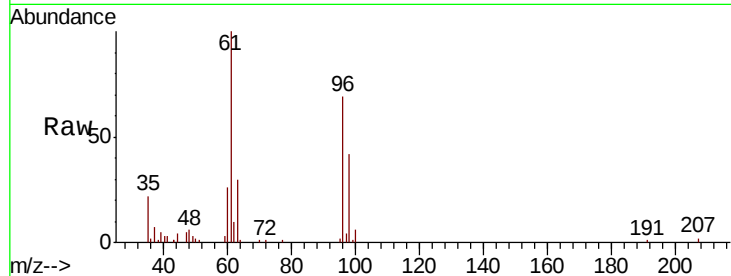
cis-1,2-Dichloroethene
 Concen: 10.43 ug/l
 RT: 3.64 min Scan# 315
 Delta R.T. 0.00 min
 Lab File: VF060024.D
 Acq: 21 Aug 2018 17:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
96	100	22605		
61	144.1		0.0	307.6
98	61.2		0.0	128.4

Manual Integrations
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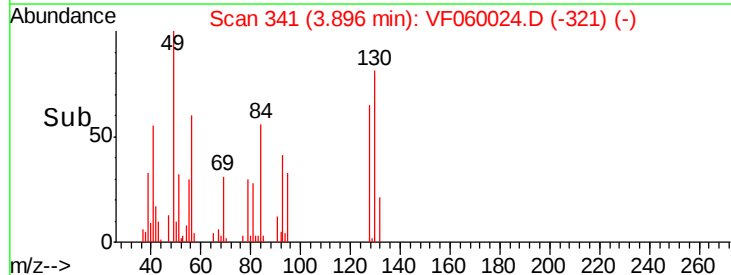
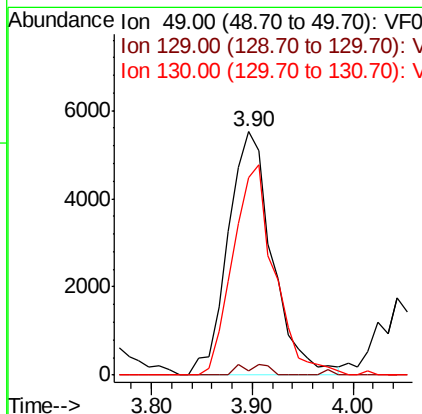
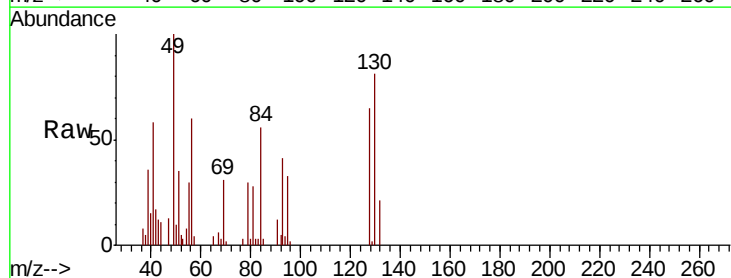
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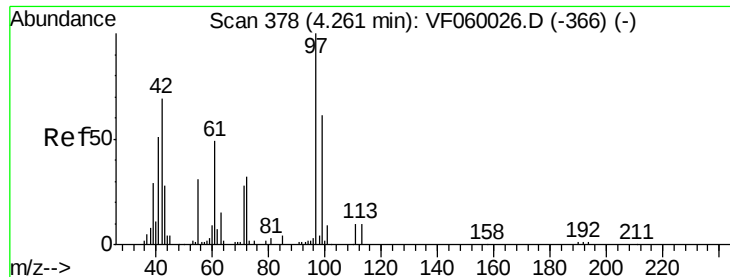


#28

Bromochloromethane
 Concen: 11.23 ug/l
 RT: 3.90 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VF060024.D
 Acq: 21 Aug 2018 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	16892		
129	2.0		0.0	7.4
130	80.9		78.0	117.0





#29

Tetrahydrofuran

Concen: 49.67 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.00 min

Lab File: VF060024.D

Acq: 21 Aug 2018 17:27

Instrument :

MSVOA_F

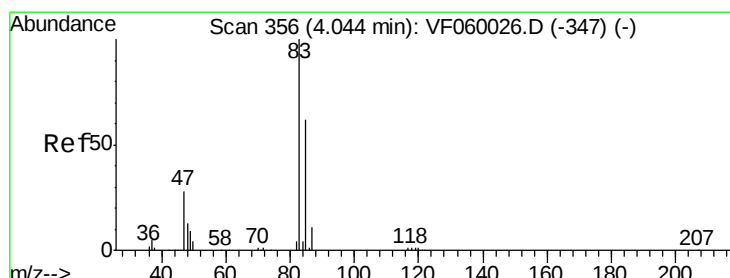
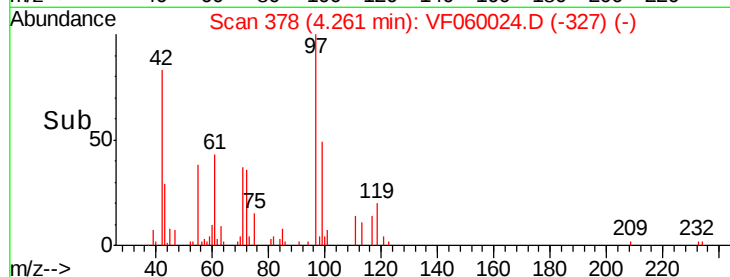
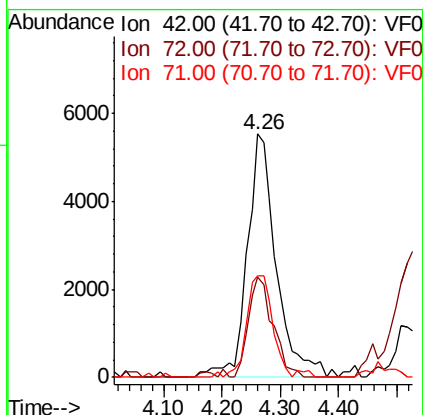
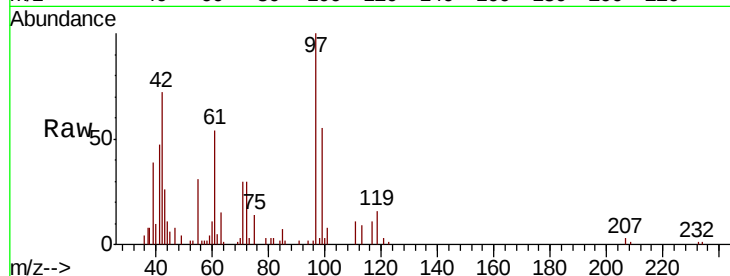
ClientSampleId :

VSTDIC010

Tot Ion:	42	Resp:	19448
Ion	Ratio	Lower	Upper
42	100		
72	34.7	31.4	47.2
71	37.1	29.7	44.5

Manual Integrations
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#30

Chloroform

Concen: 8.40 ug/l

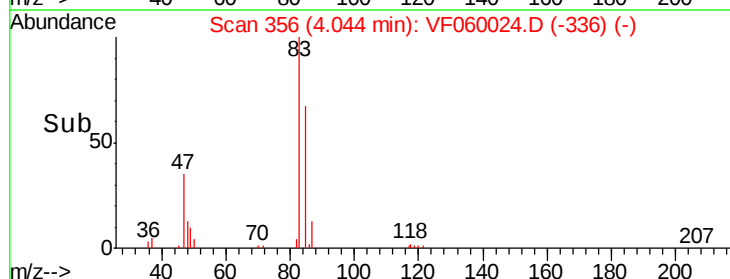
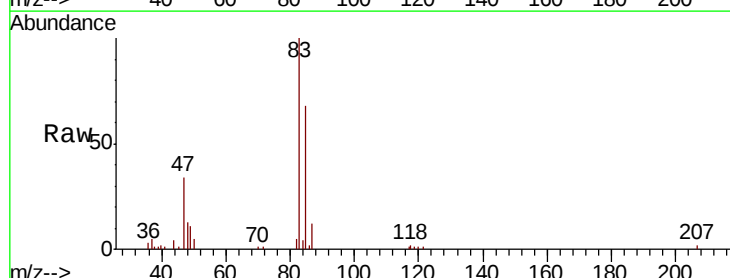
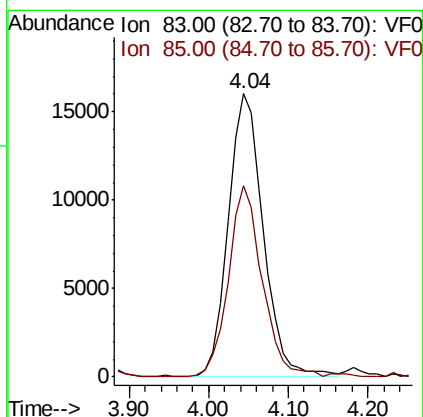
RT: 4.04 min Scan# 356

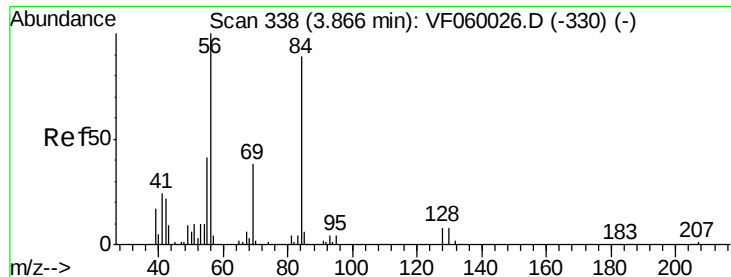
Delta R.T. 0.00 min

Lab File: VF060024.D

Acq: 21 Aug 2018 17:27

Tgt Ion:	83	Resp:	49164
Ion	Ratio	Lower	Upper
83	100		
85	67.7	49.5	74.3





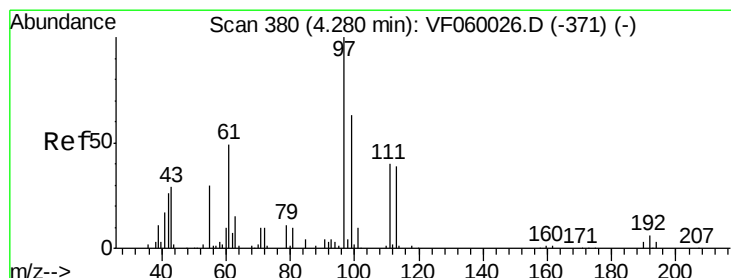
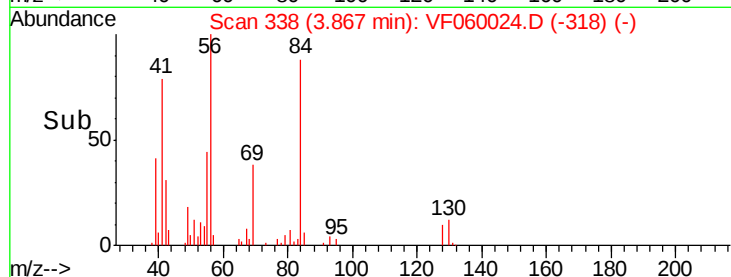
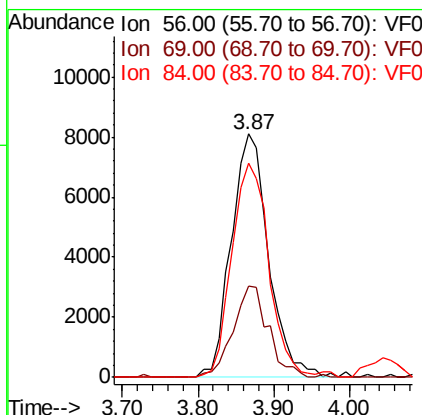
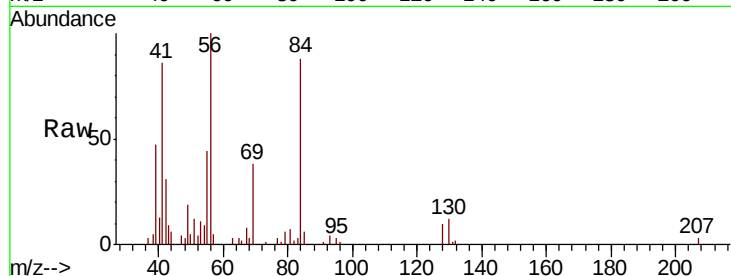
#31
Cyclohexane
Concen: 11.35 ug/l
RT: 3.87 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF060024.D
Acq: 21 Aug 2018 17:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.6	30.4	45.6
84	88.0	71.4	107.2

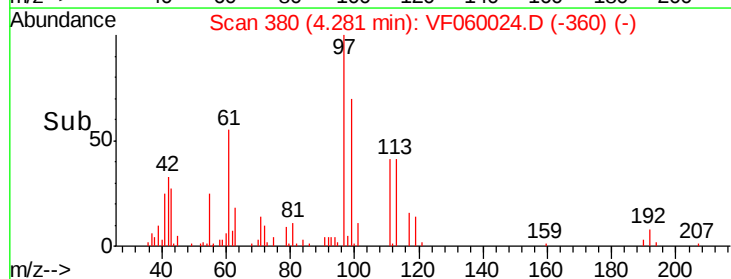
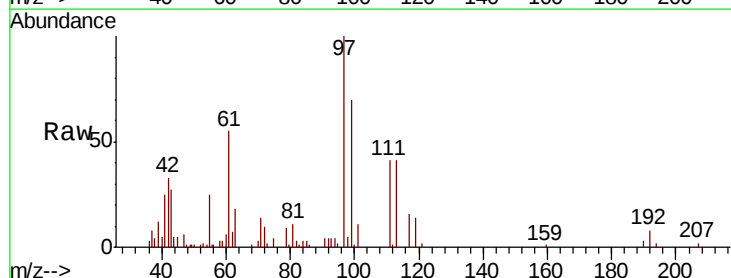
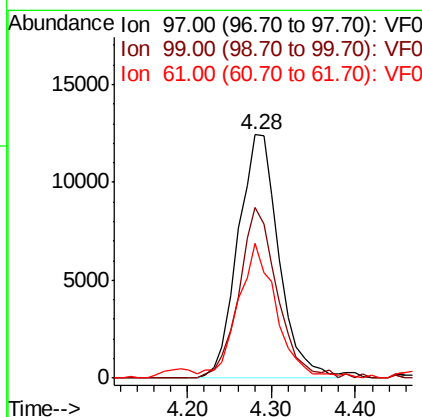
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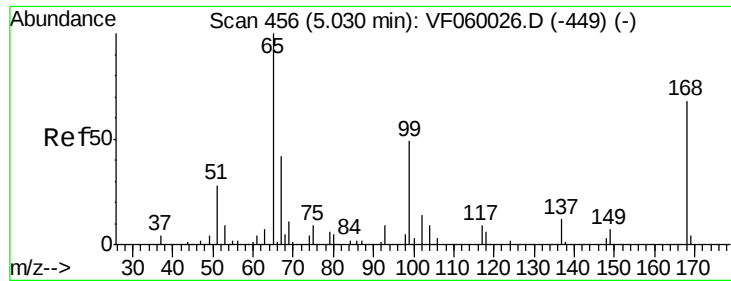
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#32
1,1,1-Trichloroethane
Concen: 7.56 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF060024.D
Acq: 21 Aug 2018 17:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	70.4	50.3	75.5
61	55.3	40.3	60.5





#33

1,2-Dichloroethane-d4

Concen: 6.95 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF060024.D

Acq: 21 Aug 2018 17:27

Tot Ion: 65 Resp: 29568

Ion Ratio Lower Upper

65 100

67 50.1 0.0 92.0

Instrument :

MSVOA_F

ClientSampleId :

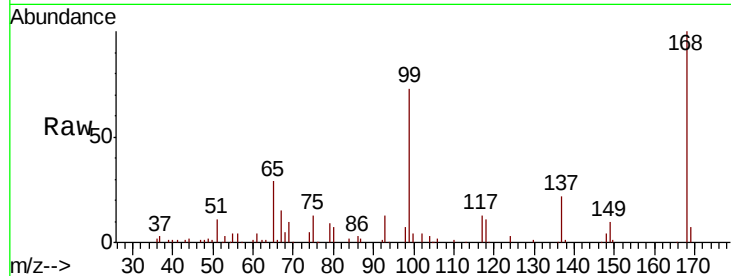
VSTDIC010

Manual Integrations

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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

12000

10000

8000

6000

4000

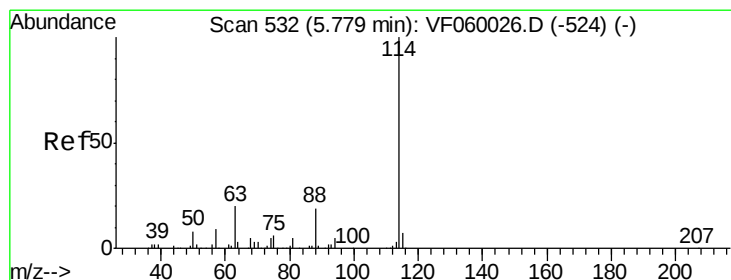
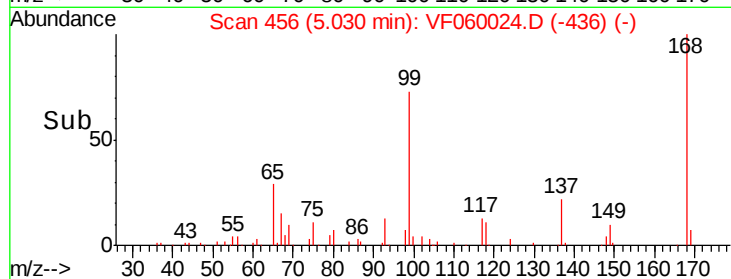
2000

0

5.03

5.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.78 min Scan# 532

Delta R.T. 0.00 min

Lab File: VF060024.D

Acq: 21 Aug 2018 17:27

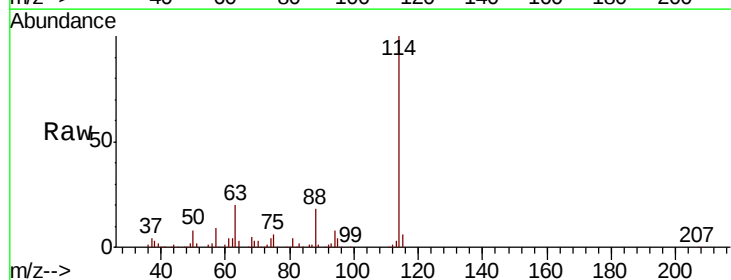
Tgt Ion: 114 Resp: 325664

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.4

88 18.3 0.0 38.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

150000

100000

50000

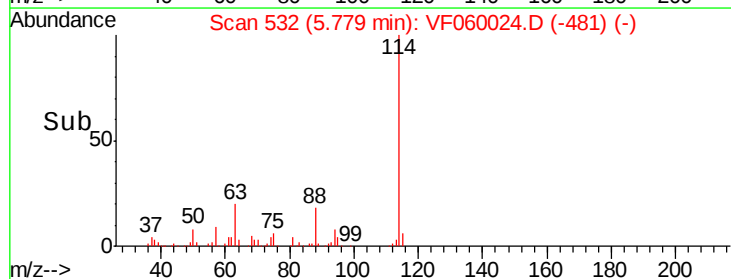
0

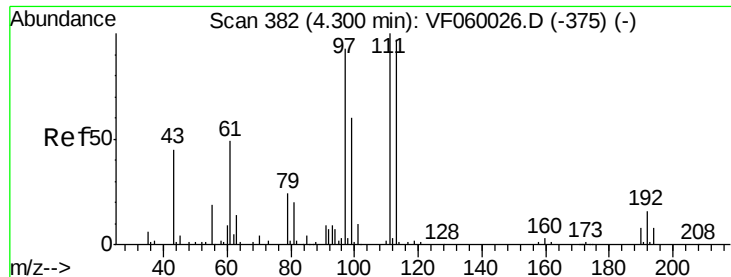
5.78

5.90

6.00

Time-->





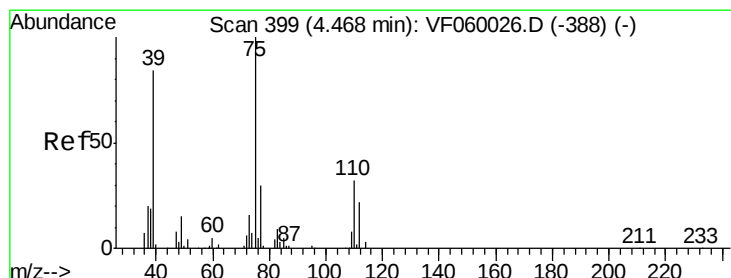
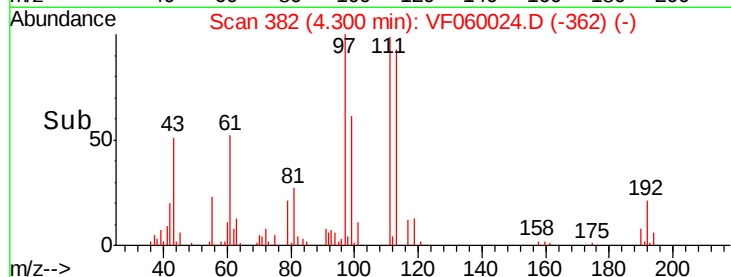
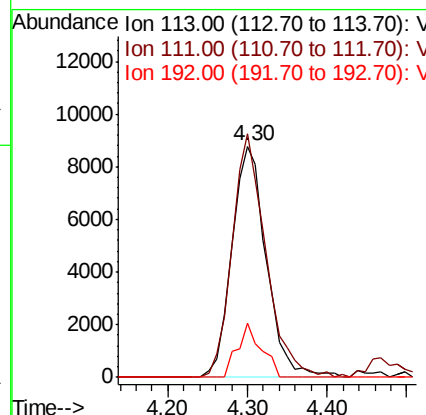
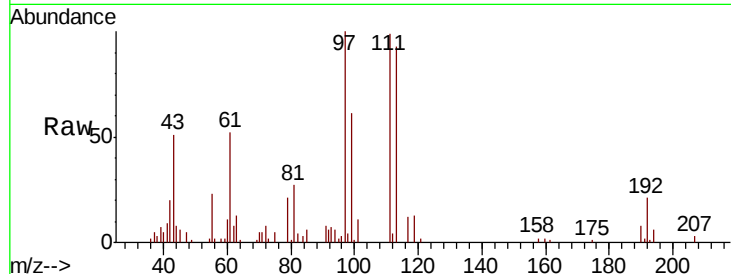
#35
 Dibromofluoromethane
 Concen: 8.26 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VF060024.D
 Acq: 21 Aug 2018 17:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.4	82.7	124.1
192	23.7	13.0	19.4

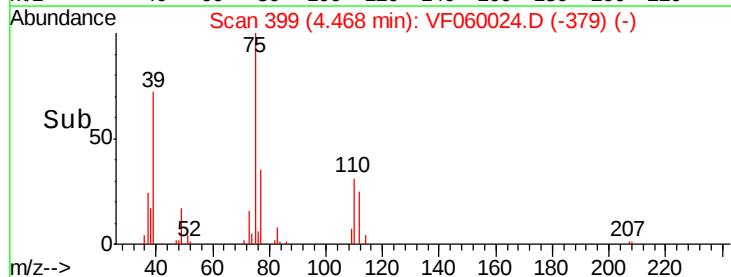
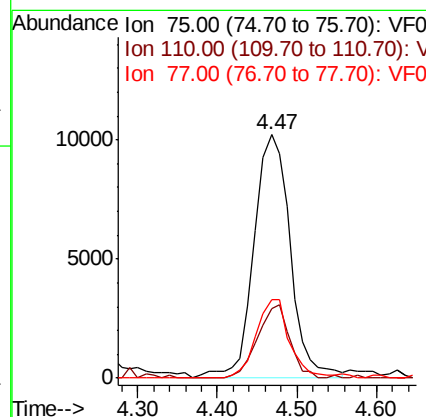
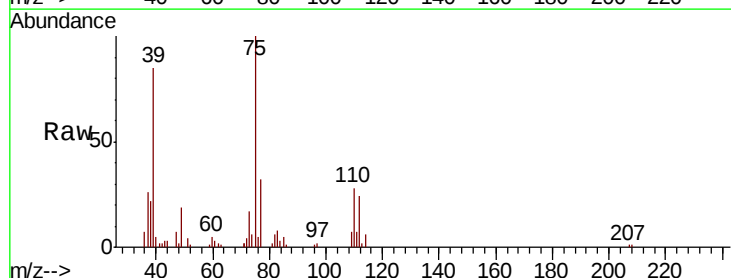
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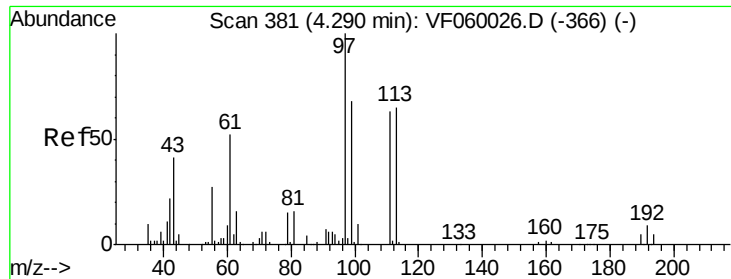
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#36
 1,1-Dichloropropene
 Concen: 8.84 ug/l
 RT: 4.47 min Scan# 399
 Delta R.T. 0.00 min
 Lab File: VF060024.D
 Acq: 21 Aug 2018 17:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	28.4	16.0	47.9
77	32.1	24.1	36.1





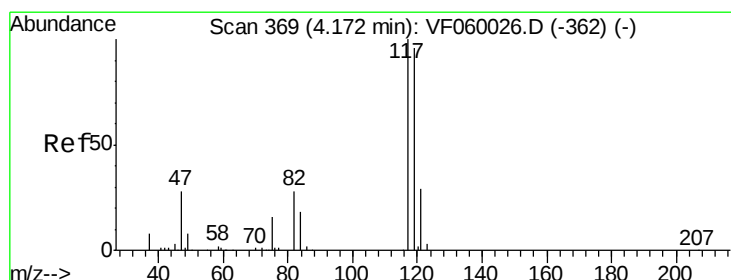
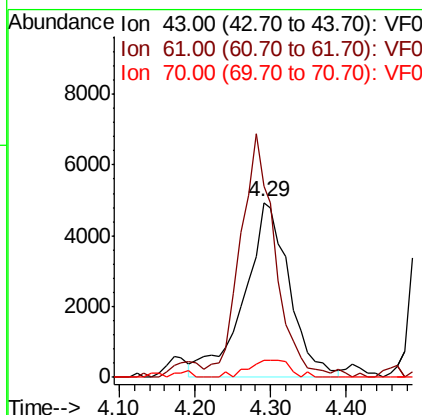
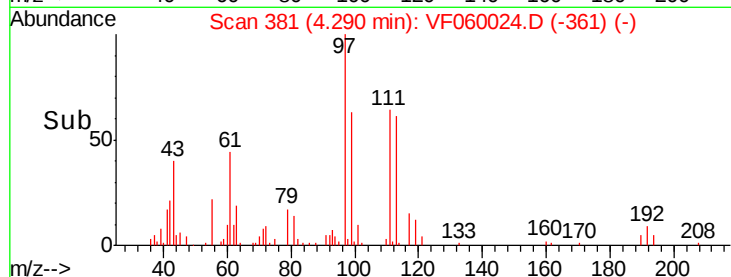
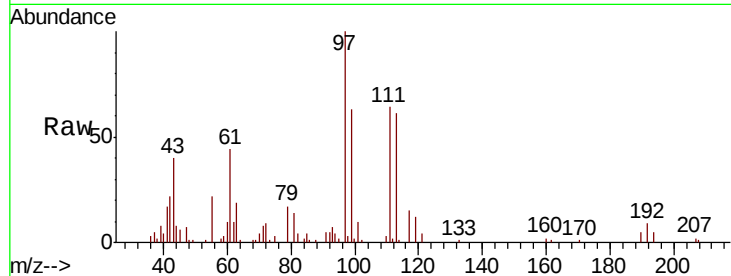
#37
Ethyl Acetate
Concen: 10.26 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF060024.D
Acq: 21 Aug 2018 17:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	109.3	101.5	152.3
70	9.6	6.4	9.6#

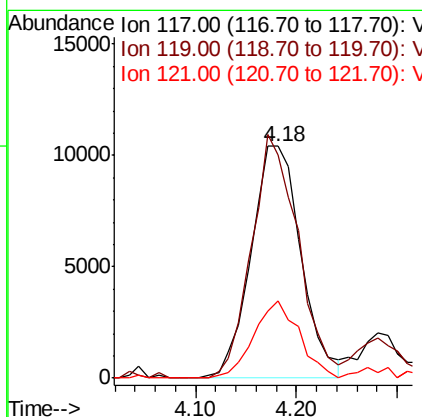
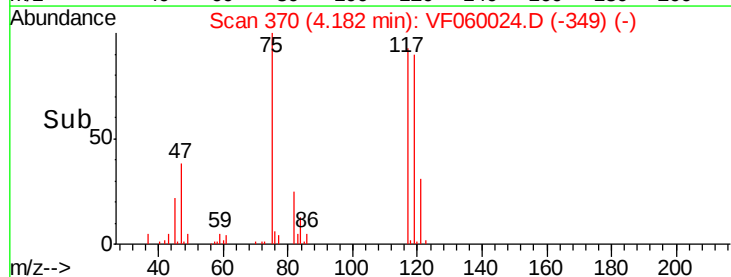
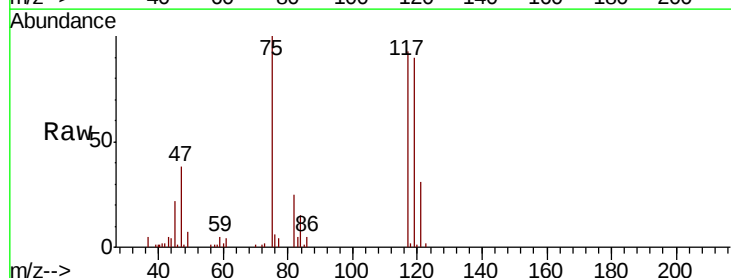
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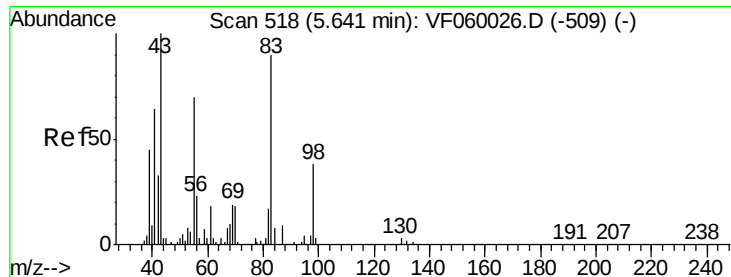
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#38
Carbon Tetrachloride
Concen: 7.13 ug/l
RT: 4.18 min Scan# 370
Delta R.T. 0.01 min
Lab File: VF060024.D
Acq: 21 Aug 2018 17:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.5	114.7
121	33.1	23.0	34.6





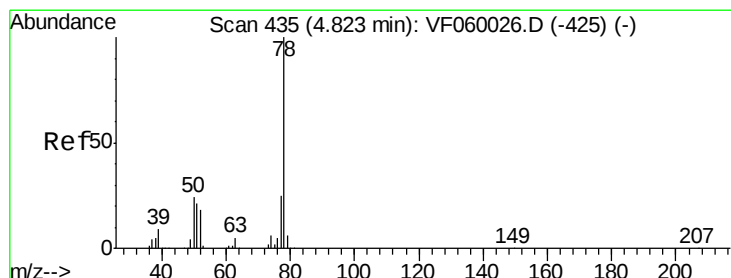
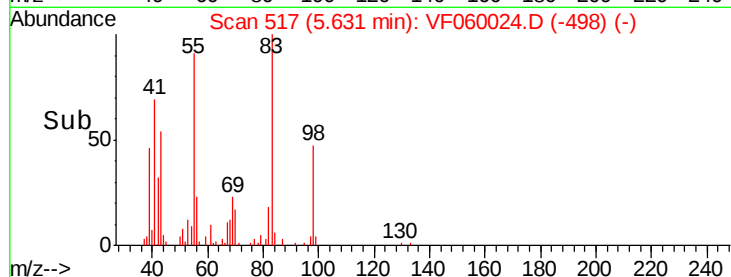
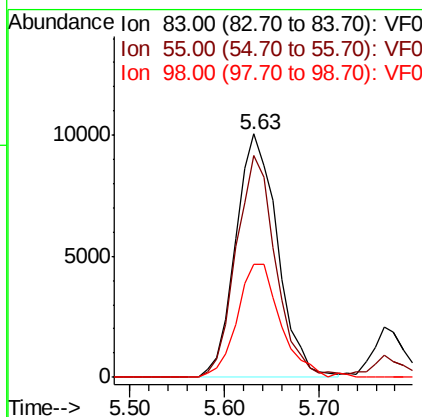
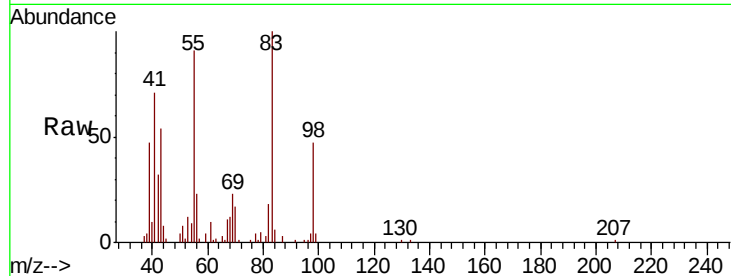
#39
Methvlcvclohexane
Concen: 11.05 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.01 min
Lab File: VF060024.D
Acq: 21 Aug 2018 17:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.1	62.7	94.1
98	46.6	33.8	50.8

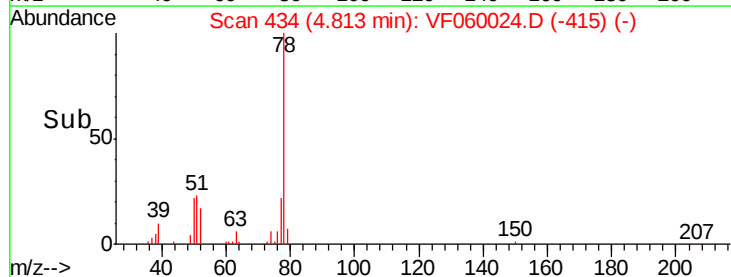
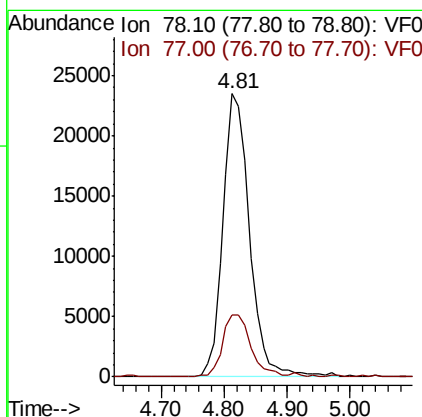
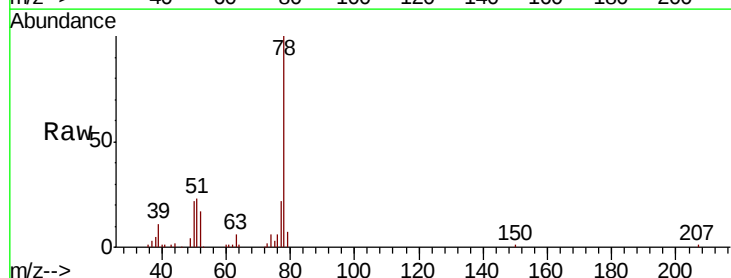
Manual Integrations
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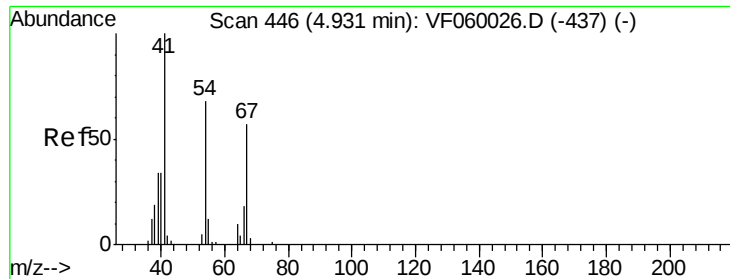
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#40
Benzene
Concen: 10.98 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF060024.D
Acq: 21 Aug 2018 17:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.1	19.8	29.6





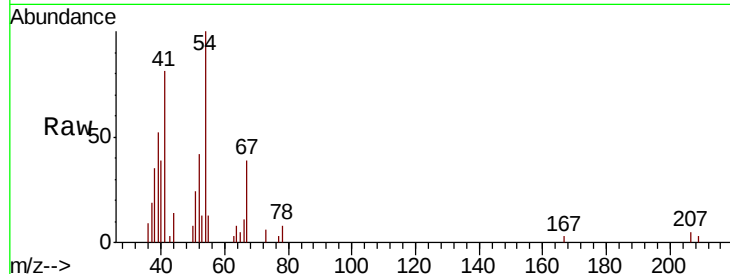
#41
Methacrylonitrile
Concen: 9.68 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.01 min
Lab File: VF060024.D
Acq: 21 Aug 2018 17:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion:	41	Resp:	9356
Ion	Ratio	Lower	Upper
41	100		
39	63.9	52.9	79.3
67	48.5	45.3	67.9
52	51.5	34.8	52.2

Manual Integrations
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apatel
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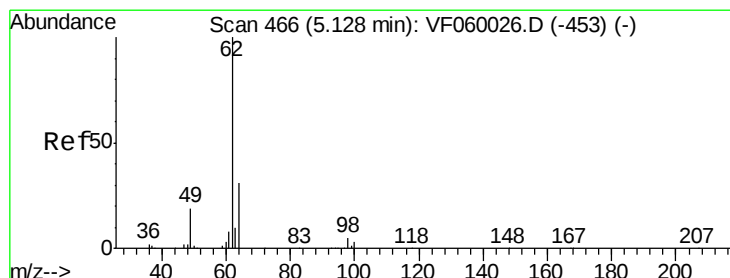
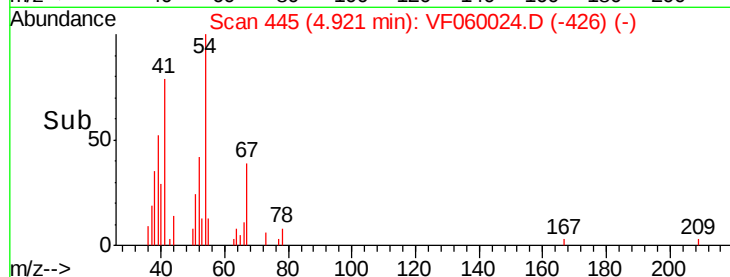
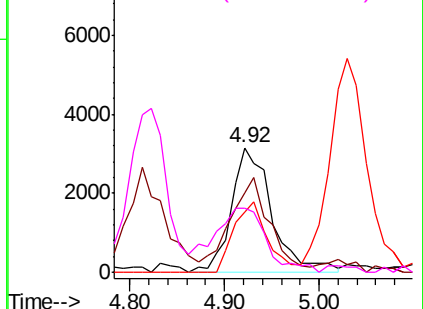
Abundance

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

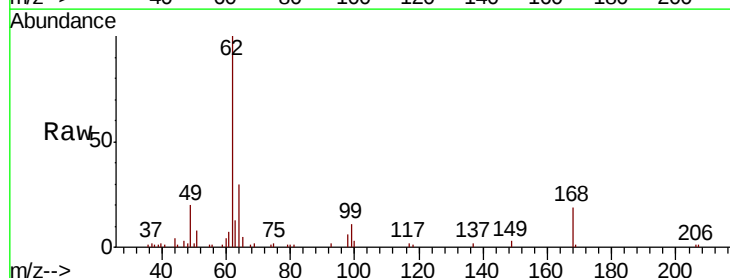
Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42
1,2-Dichloroethane
Concen: 7.36 ug/l
RT: 5.12 min Scan# 465
Delta R.T. -0.01 min
Lab File: VF060024.D
Acq: 21 Aug 2018 17:27

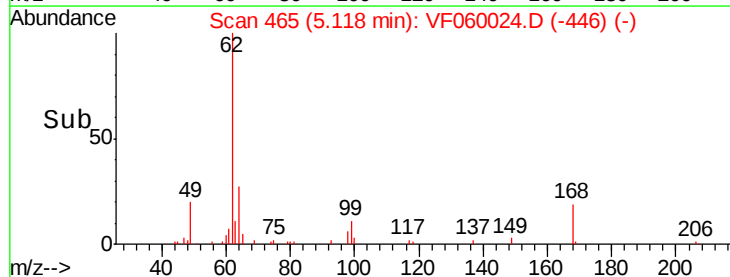
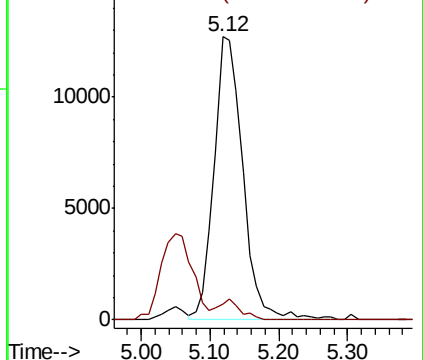
Tgt Ion:	62	Resp:	37040
Ion	Ratio	Lower	Upper
62	100		
98	5.8	0.0	11.2

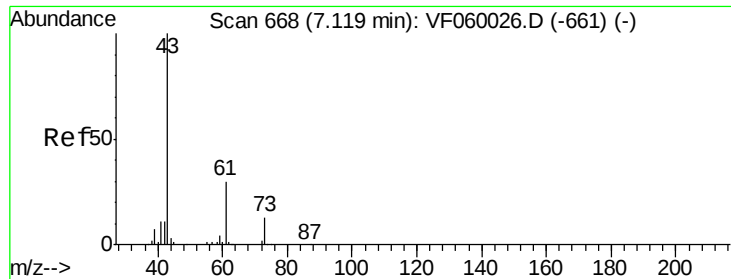


Abundance

Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

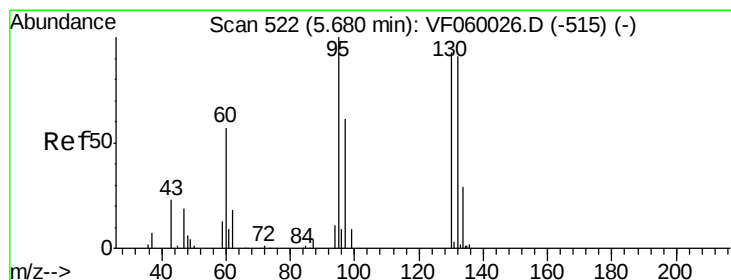
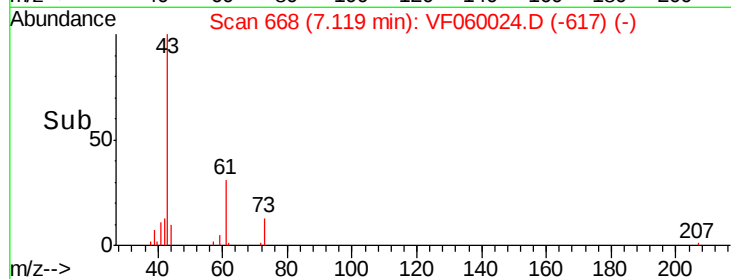
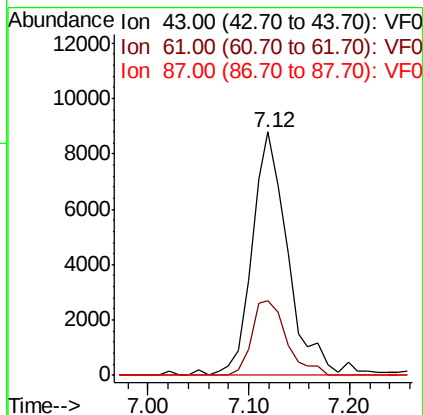
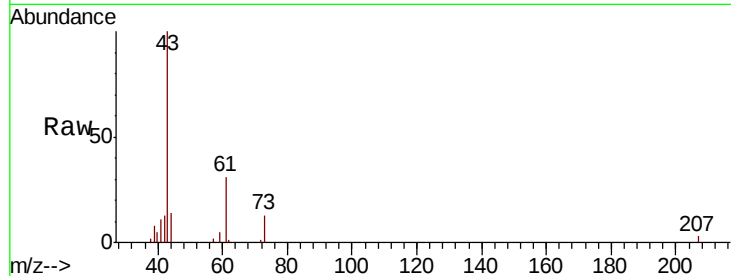
Isopropyl Acetate
 Concen: 9.50 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VF060024.D
 Acq: 21 Aug 2018 17:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.6	23.8	35.6
87	0.0	0.2	0.4

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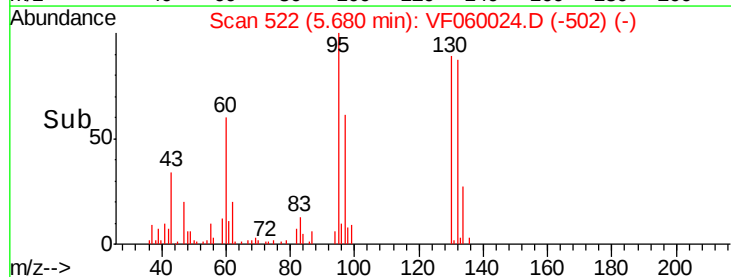
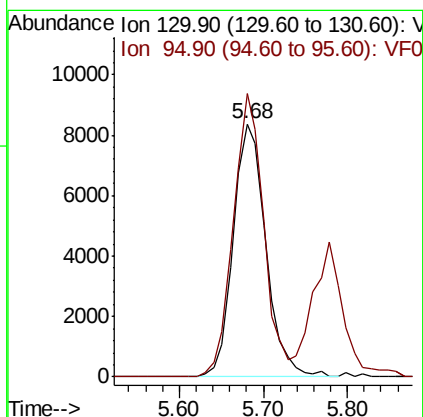
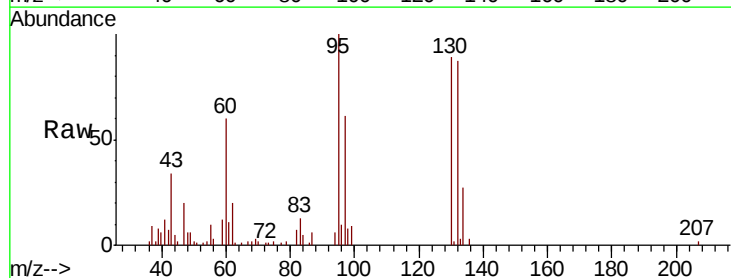
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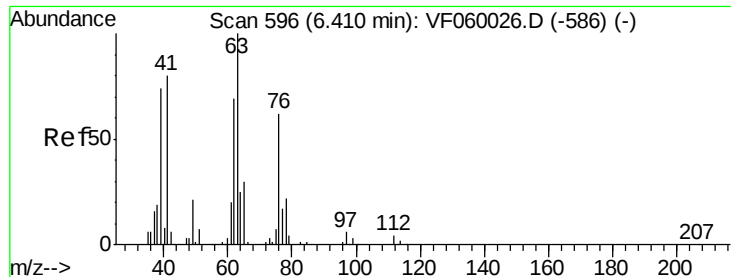


#44

Trichloroethene
 Concen: 9.40 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. 0.00 min
 Lab File: VF060024.D
 Acq: 21 Aug 2018 17:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	112.0	0.0	215.8





#45

1,2-Dichloropropane

Concen: 9.79 ug/l

RT: 6.41 min Scan# 596

Delta R.T. 0.00 min

Lab File: VF060024.D

Acq: 21 Aug 2018 17:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 17737

Ion Ratio Lower Upper

63 100

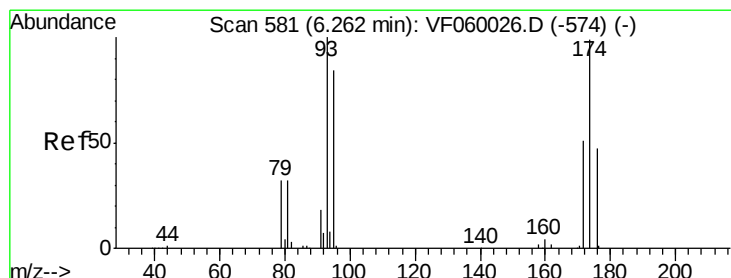
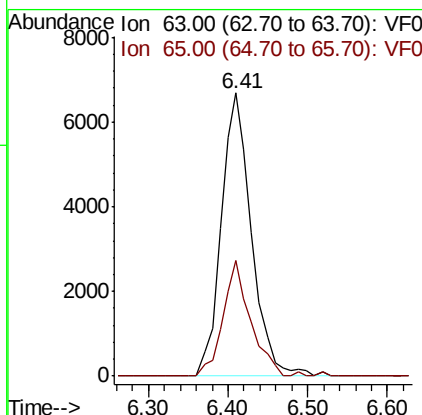
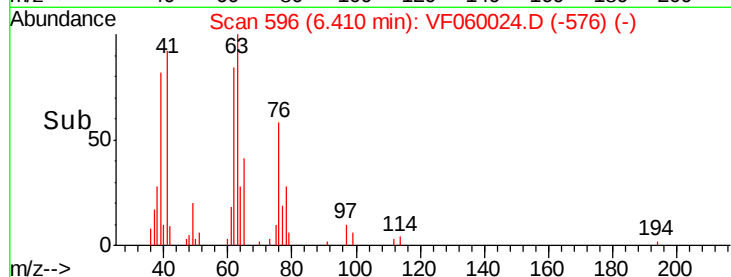
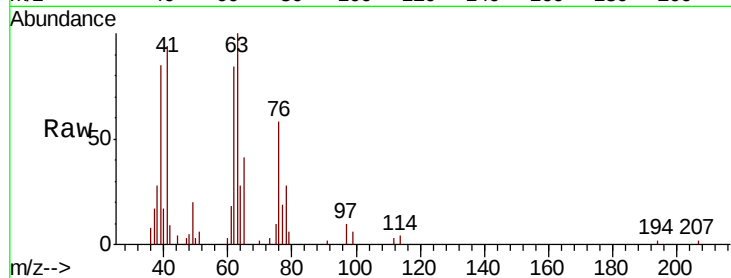
65 40.8 23.8 35.6#

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#46

Dibromomethane

Concen: 8.62 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.00 min

Lab File: VF060024.D

Acq: 21 Aug 2018 17:27

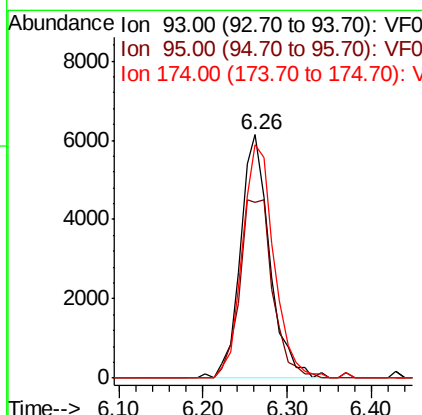
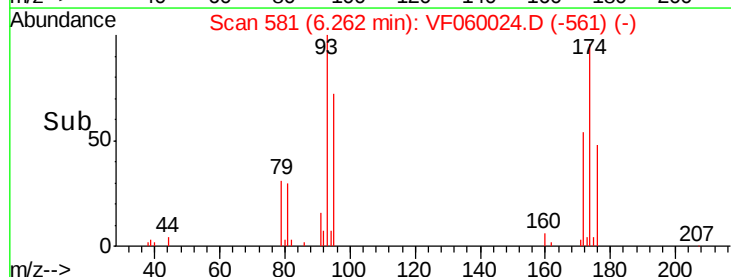
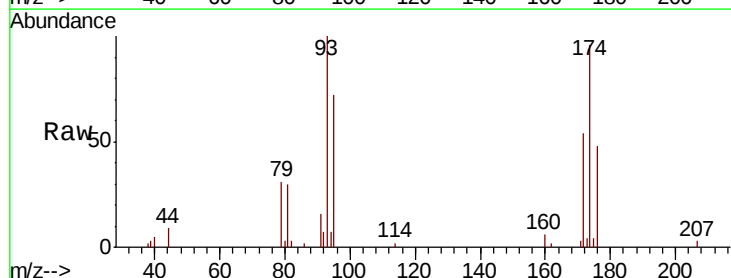
Tgt Ion: 93 Resp: 14948

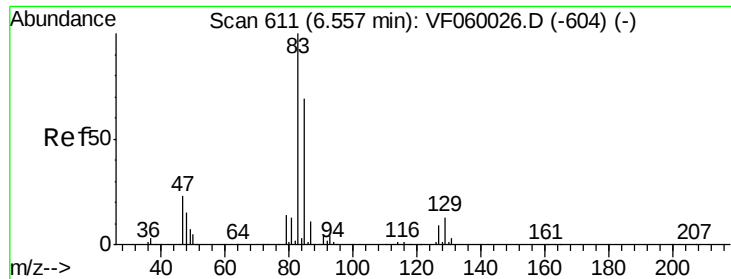
Ion Ratio Lower Upper

93 100

95 72.4 67.1 100.7

174 99.9 79.0 118.4





#47

Bromodichloromethane

Concen: 7.77 ug/l

RT: 6.56 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF060024.D

Acq: 21 Aug 2018 17:27

Instrument :

MSVOA_F

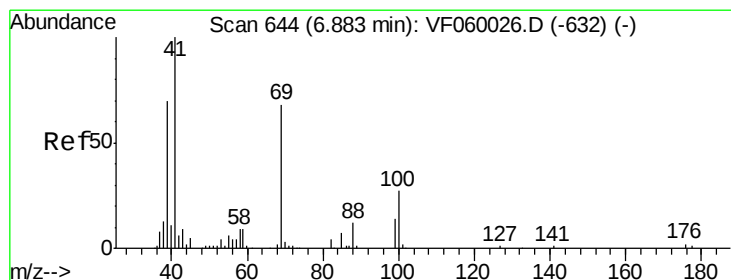
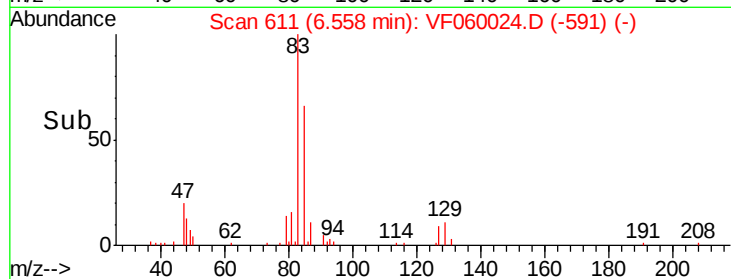
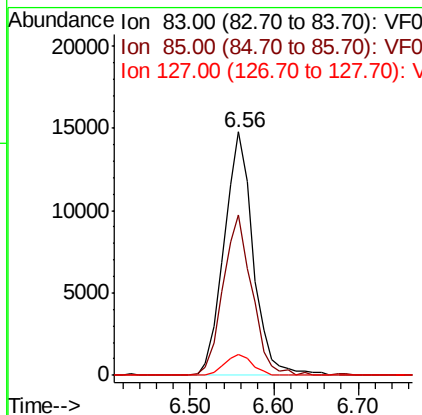
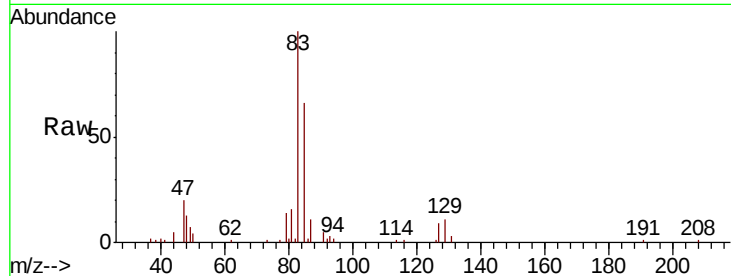
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	35504
Ion Ratio	Lower	Upper	
83	100		
85	65.9	55.2	82.8
127	8.8	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 8.86 ug/l

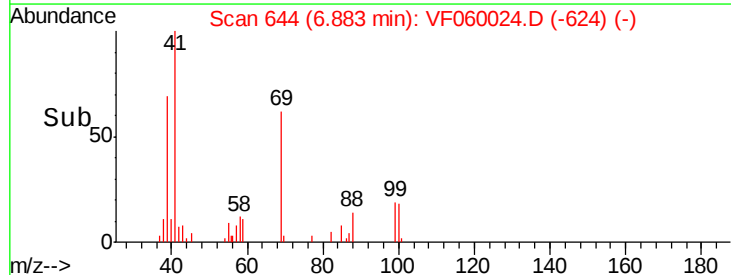
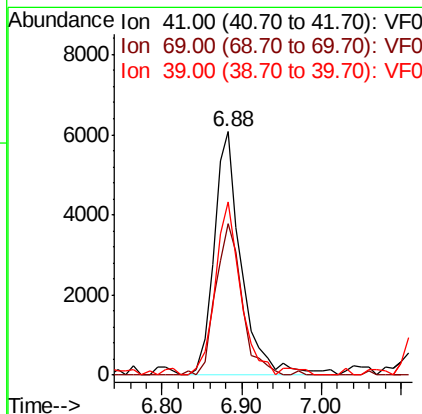
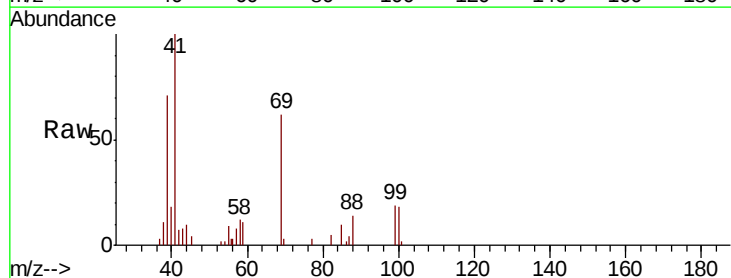
RT: 6.88 min Scan# 644

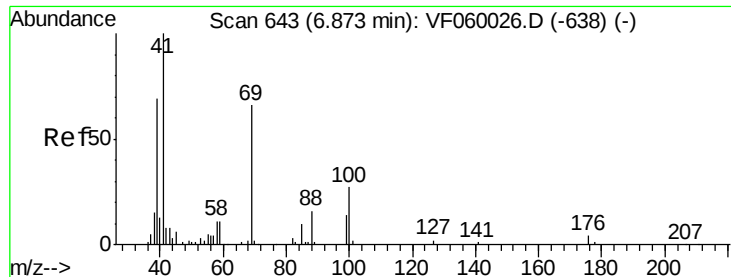
Delta R.T. 0.00 min

Lab File: VF060024.D

Acq: 21 Aug 2018 17:27

Tgt Ion:	41	Resp:	14616
Ion Ratio	Lower	Upper	
41	100		
69	62.3	54.6	81.8
39	71.4	56.5	84.7





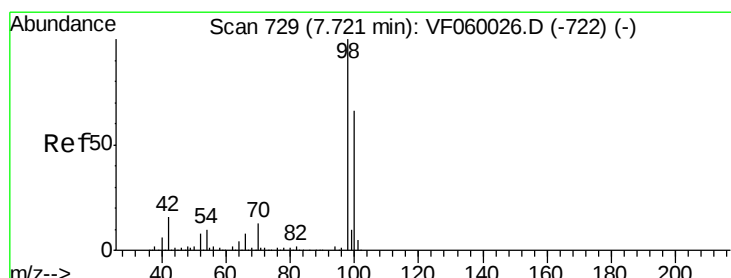
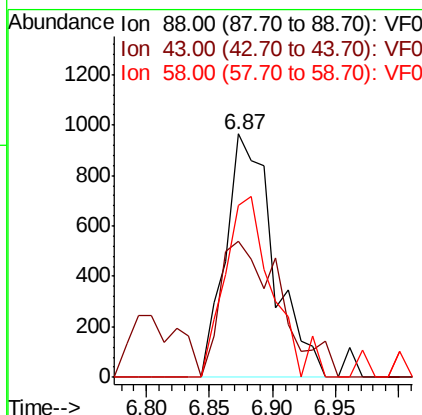
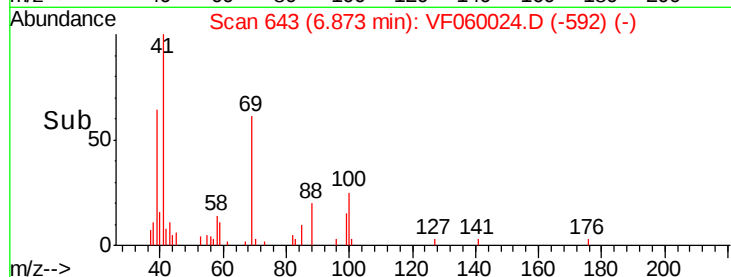
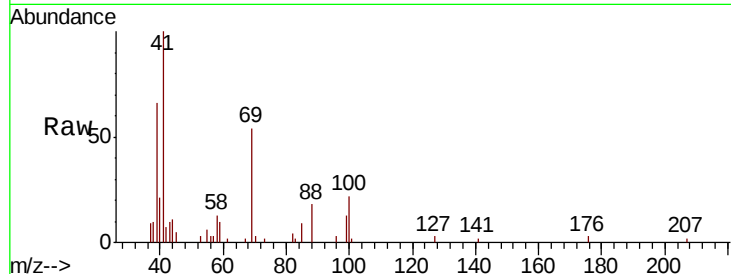
#49
1,4-Dioxane
Concen: 196.88 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.00 min
Lab File: VF060024.D
Acq: 21 Aug 2018 17:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
88	100	2550		
43	56.0		46.5	69.7
58	70.4		54.8	82.2

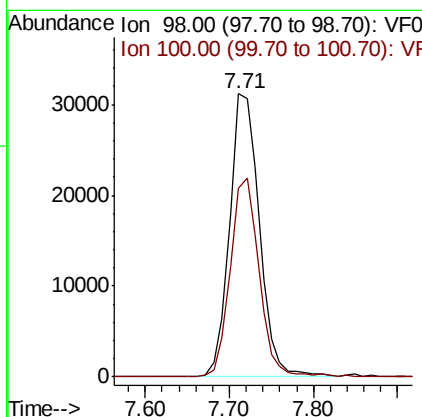
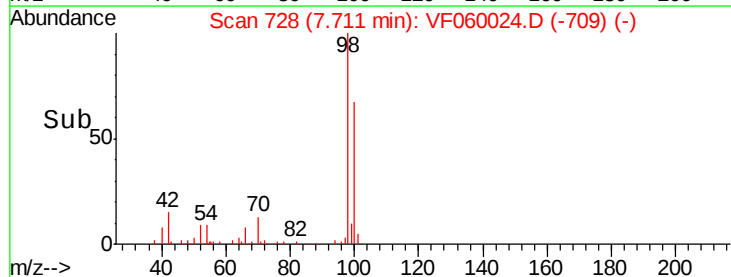
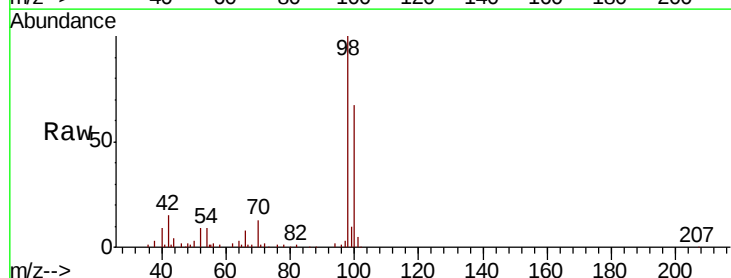
Manual Integrations
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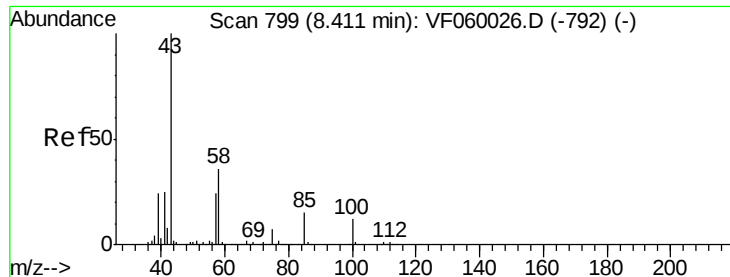
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#50
Toluene-d8
Concen: 10.52 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF060024.D
Acq: 21 Aug 2018 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	77091		
100	66.5		53.2	79.8





#51

4-Methyl-2-Pentanone

Concen: 49.85 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF060024.D

Acq: 21 Aug 2018 17:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 104267

Ion Ratio Lower Upper

43 100

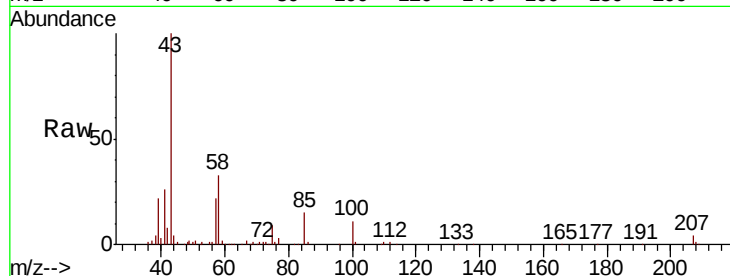
58 33.2 28.6 42.8

Manual Integrations

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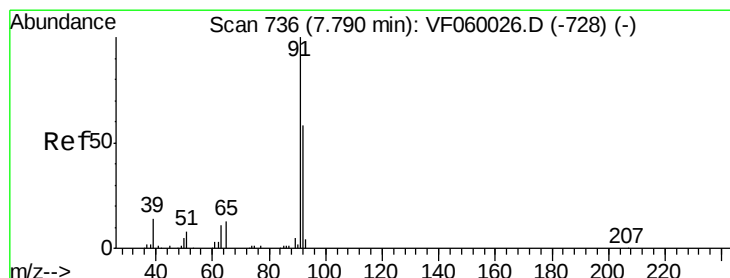
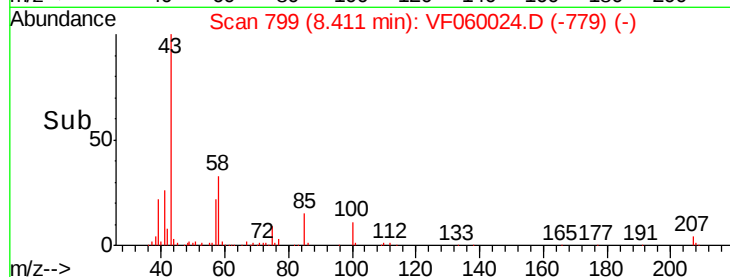
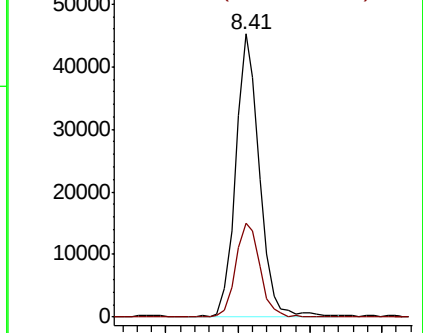
apatel

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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: 11.33 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF060024.D

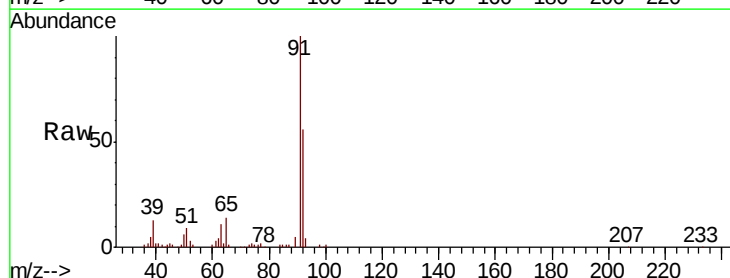
Acq: 21 Aug 2018 17:27

Tgt Ion: 92 Resp: 53145

Ion Ratio Lower Upper

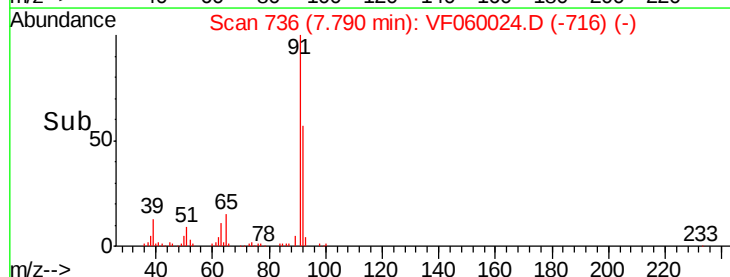
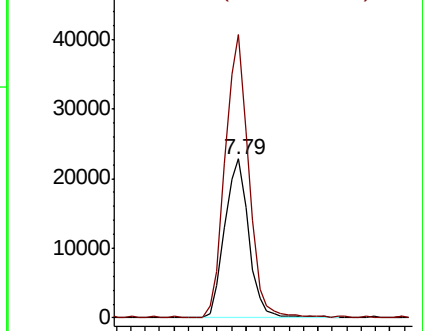
92 100

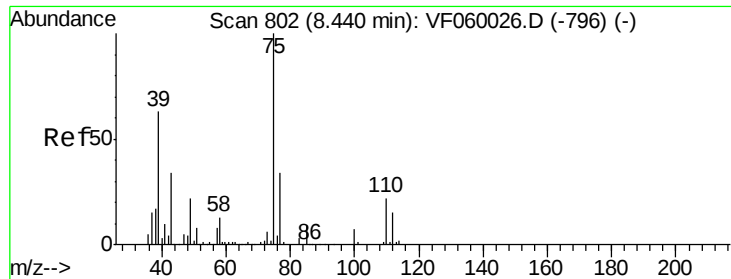
91 178.0 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





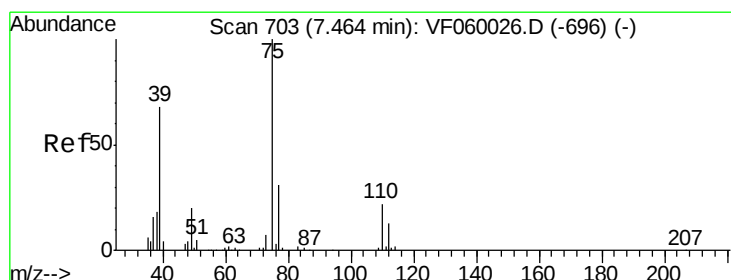
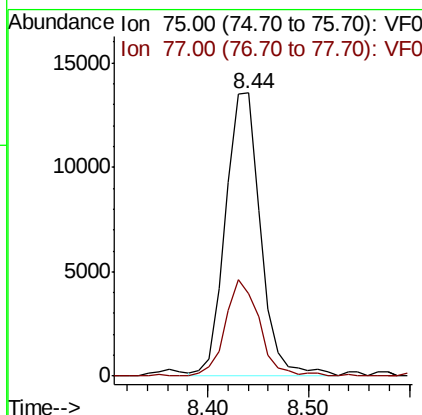
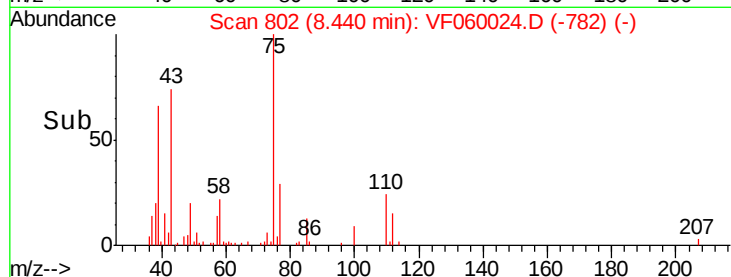
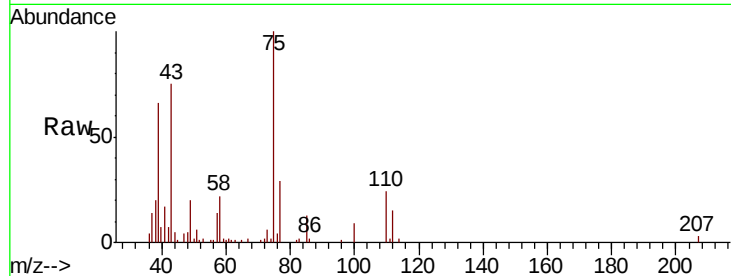
#53
 t-1,3-Dichloropropene
 Concen: 8.46 ug/l
 RT: 8.44 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VF060024.D
 Acq: 21 Aug 2018 17:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion: 75 Resp: 32885
 Ion Ratio Lower Upper
 75 100
 77 29.1 27.4 41.2

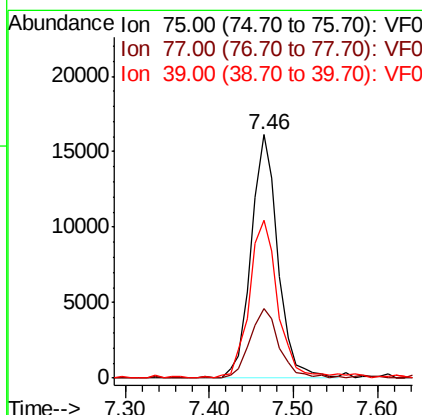
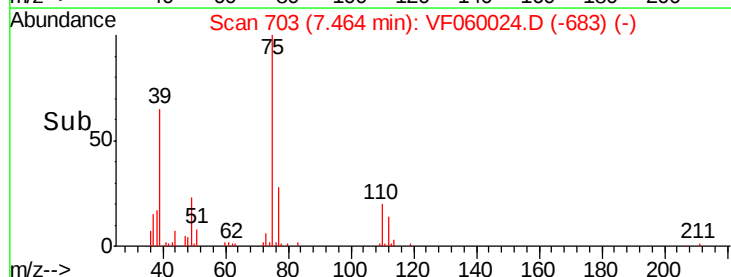
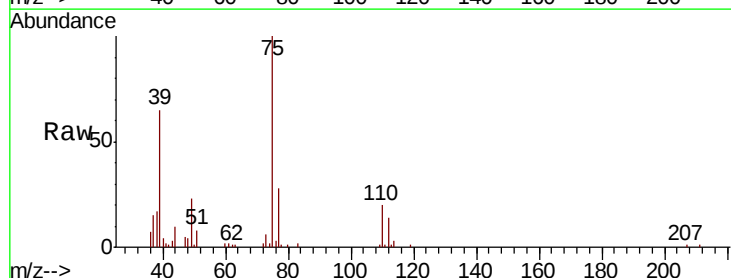
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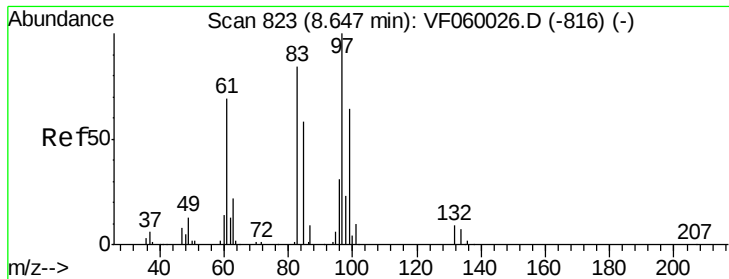
apatel
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#54
 cis-1,3-Dichloropropene
 Concen: 9.40 ug/l
 RT: 7.46 min Scan# 703
 Delta R.T. 0.00 min
 Lab File: VF060024.D
 Acq: 21 Aug 2018 17:27

Tgt Ion: 75 Resp: 36104
 Ion Ratio Lower Upper
 75 100
 77 28.5 24.6 37.0
 39 64.8 54.6 81.8





#55

1,1,2-Trichloroethane

Concen: 8.79 ug/l

RT: 8.65 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF060024.D

Acq: 21 Aug 2018 17:27

Instrument :

MSVOA_F

ClientSampleId :

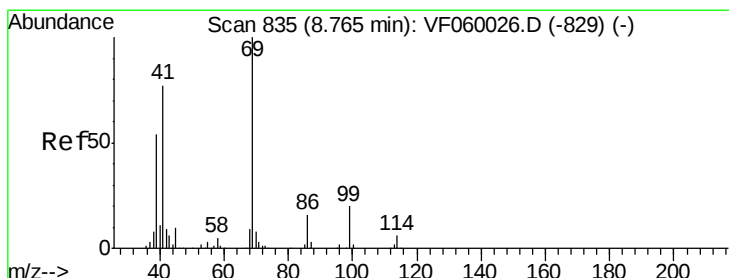
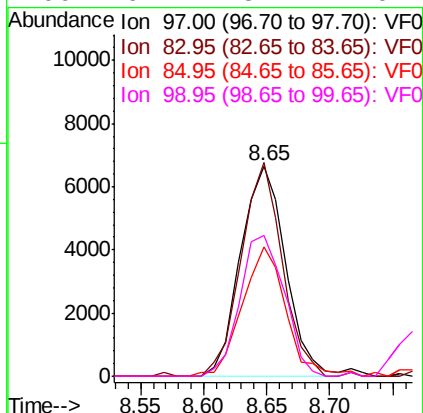
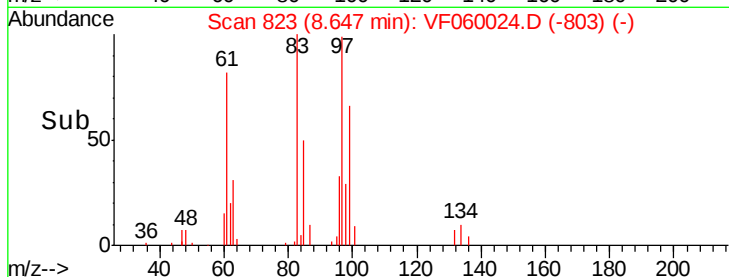
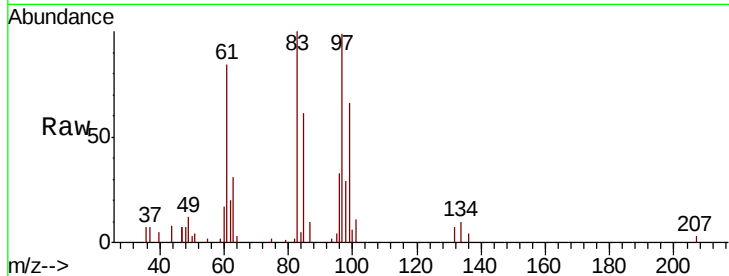
VSTDIC010

Tot Ion: 97 Resp: 16482

Ion	Ratio	Lower	Upper
97	100		
83	101.4	67.4	101.2#
85	61.6	46.2	69.2
99	67.1	51.1	76.7

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#56

Ethyl methacrylate

Concen: 9.18 ug/l

RT: 8.77 min Scan# 835

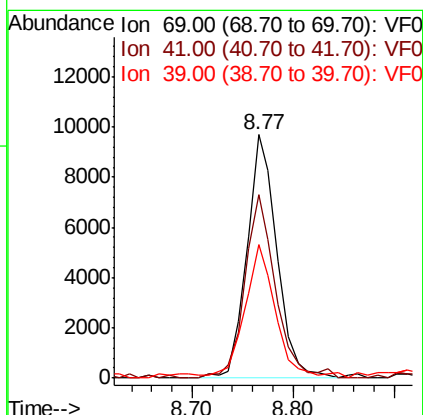
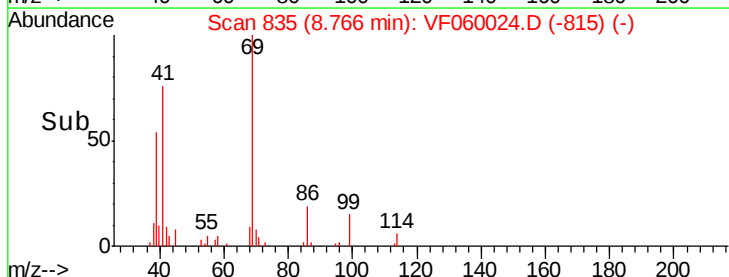
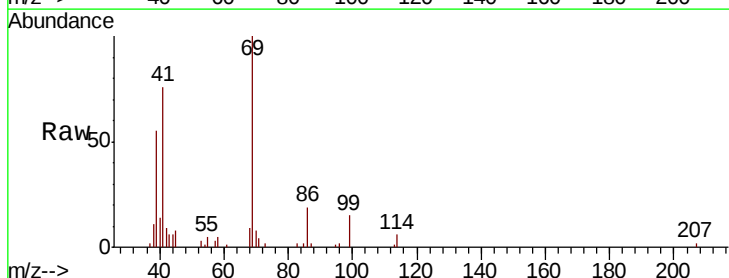
Delta R.T. 0.00 min

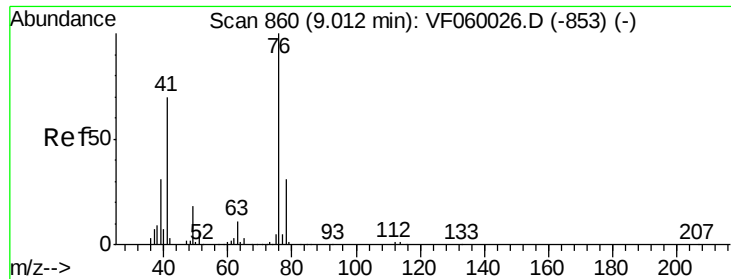
Lab File: VF060024.D

Acq: 21 Aug 2018 17:27

Tgt Ion: 69 Resp: 20041

Ion	Ratio	Lower	Upper
69	100		
41	75.5	61.6	92.4
39	55.0	43.9	65.9





#57

1,3-Dichloropropane

Concen: 9.45 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.01 min

Lab File: VF060024.D

Acq: 21 Aug 2018 17:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 31665

Ion Ratio Lower Upper

76 100

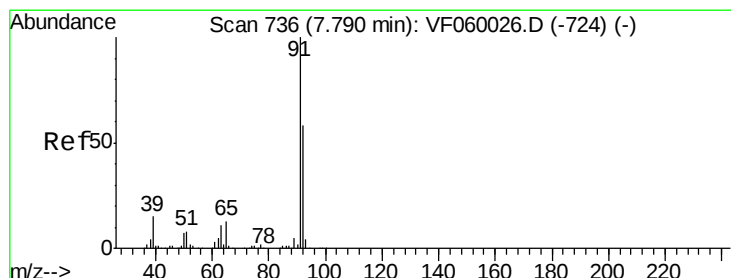
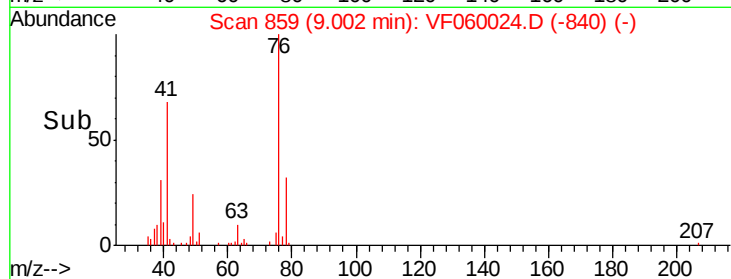
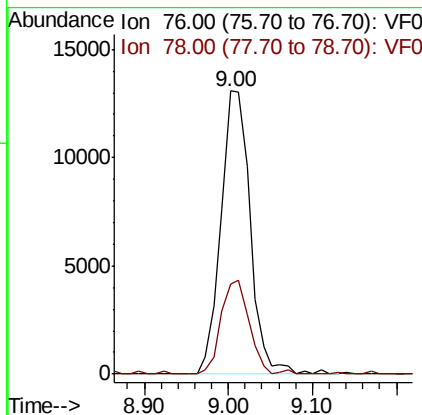
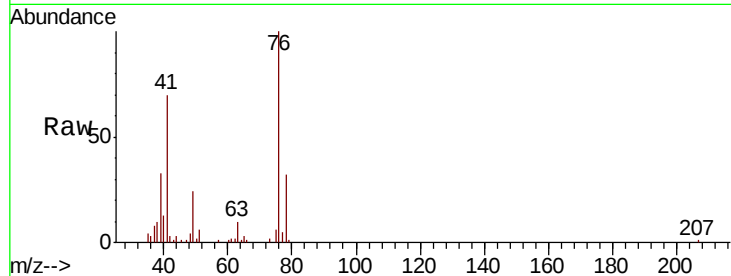
78 31.8 25.2 37.8

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#58

2-Chloroethyl Vinyl ether

Concen: 54.78 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF060024.D

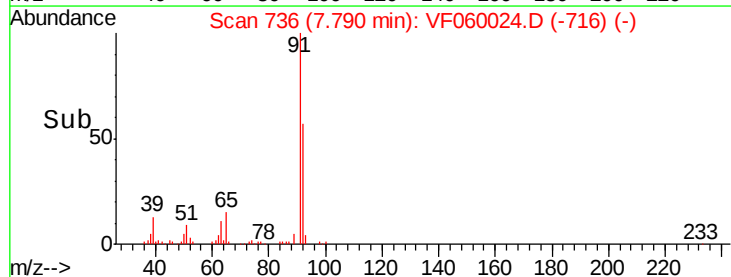
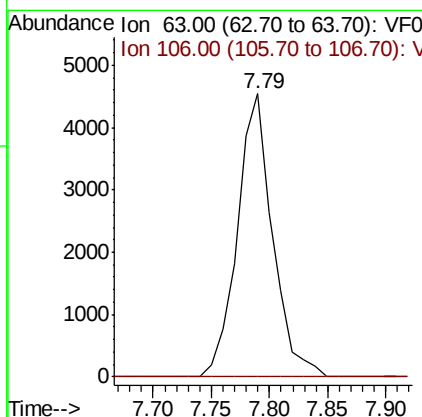
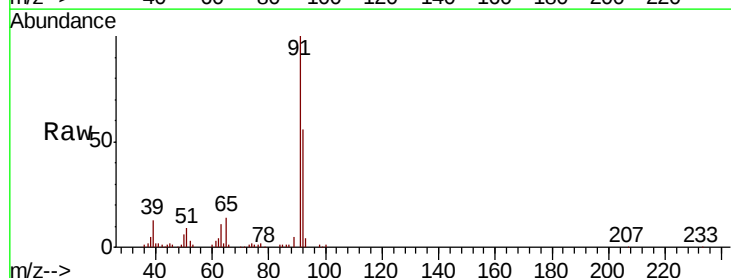
Acq: 21 Aug 2018 17:27

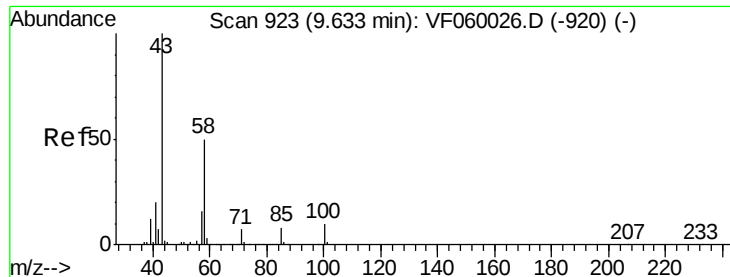
Tgt Ion: 63 Resp: 9493

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





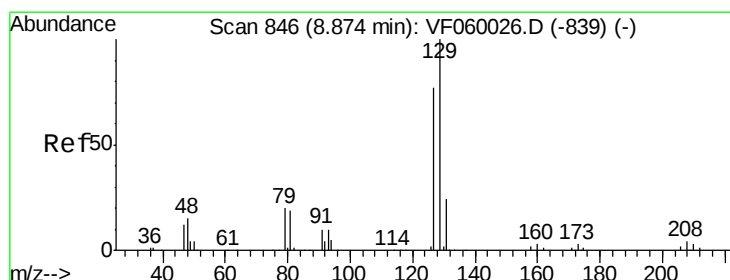
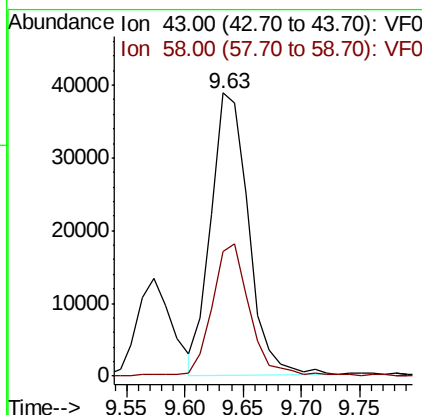
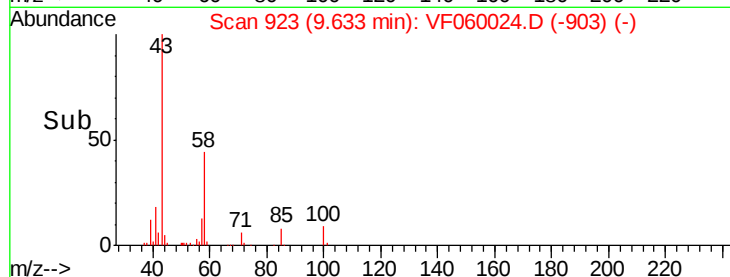
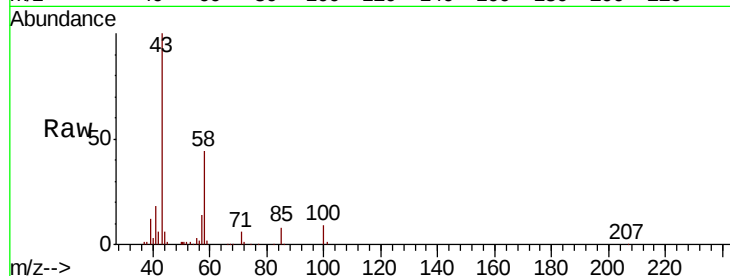
#59
2-Hexanone
Concen: 49.99 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF060024.D
Acq: 21 Aug 2018 17:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	44.2	23.4	70.2

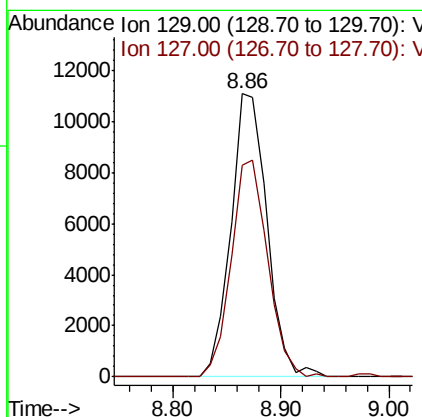
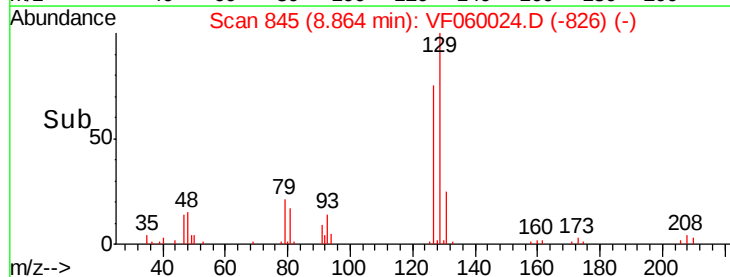
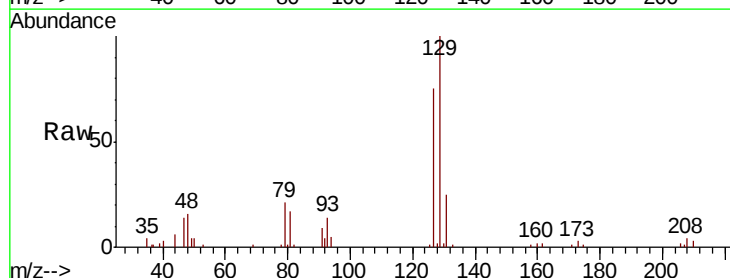
Manual Integrations
APPROVED

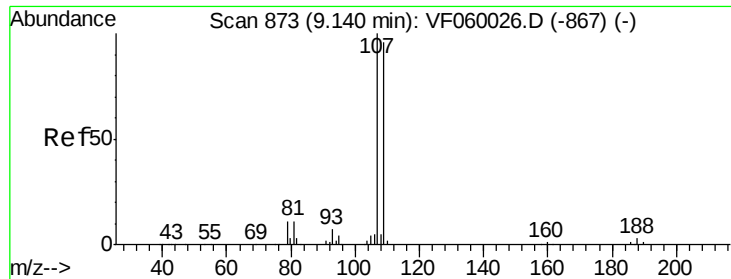
apatel
8/22/2018 10:09:21 AM



#60
Dibromochloromethane
Concen: 7.80 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.01 min
Lab File: VF060024.D
Acq: 21 Aug 2018 17:27

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.0	38.6	115.8





#61

1,2-Dibromoethane

Concen: 9.18 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF060024.D

Acq: 21 Aug 2018 17:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:107 Resp: 21162

Ion Ratio Lower Upper

107 100

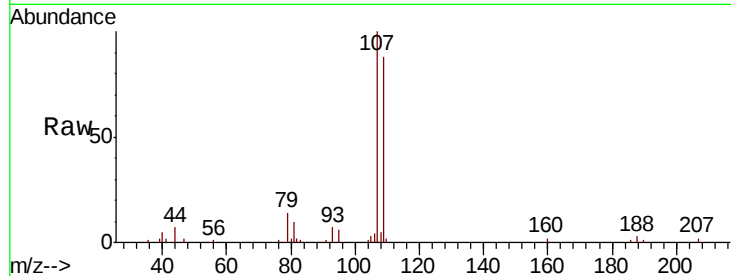
109 87.6 76.5 114.7

Manual Integrations

APPROVED

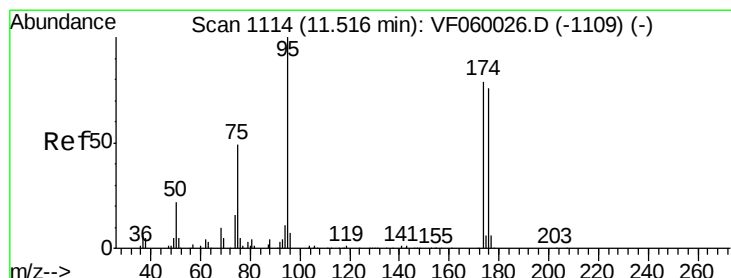
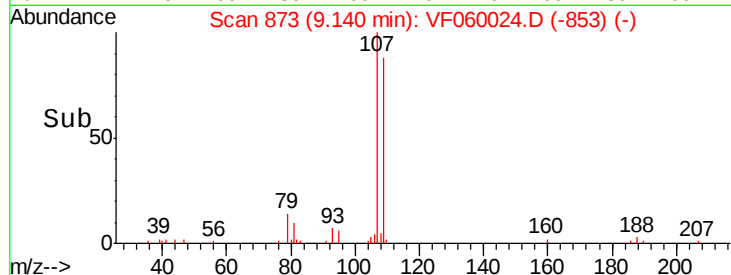
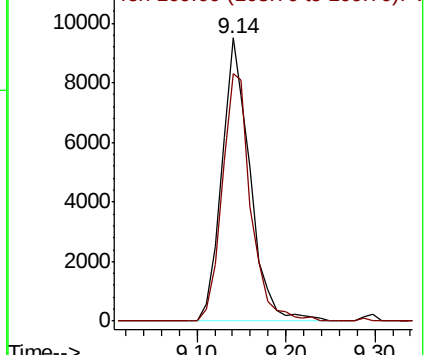
apatel

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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: 9.59 ug/l

RT: 11.52 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF060024.D

Acq: 21 Aug 2018 17:27

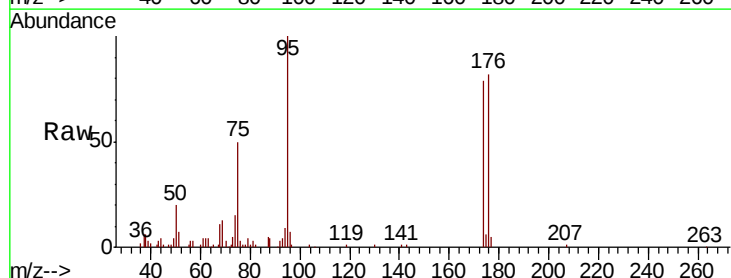
Tgt Ion: 95 Resp: 42043

Ion Ratio Lower Upper

95 100

174 79.0 0.0 158.4

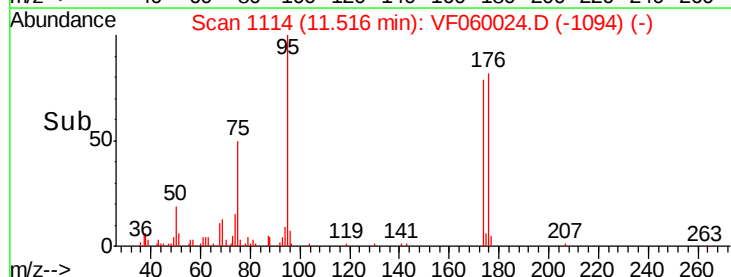
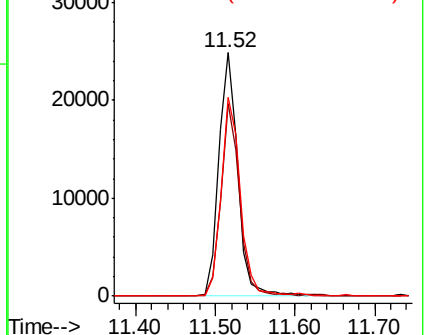
176 81.7 0.0 153.0

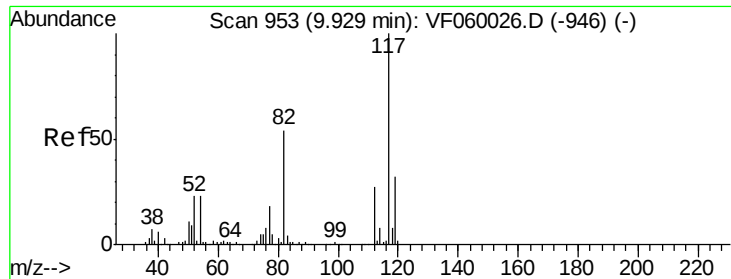


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





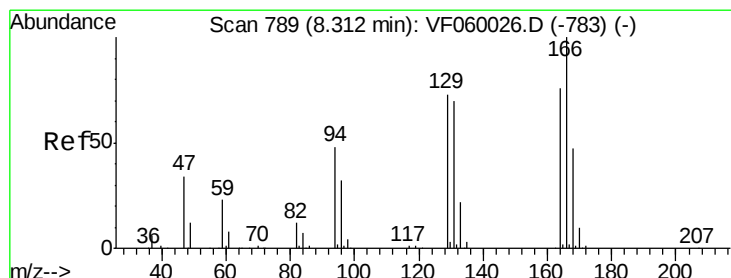
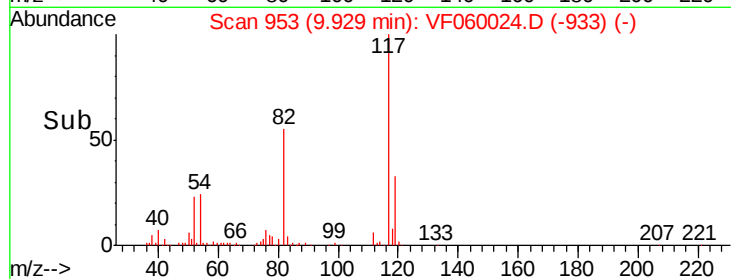
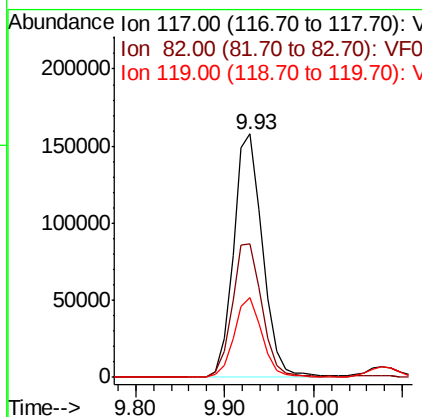
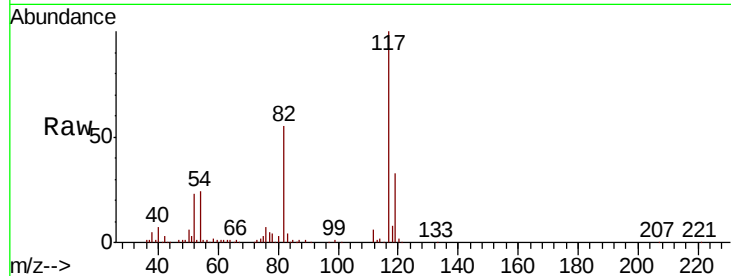
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF060024.D
Acq: 21 Aug 2018 17:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
117	100	359948		
82	54.9		43.6	65.4
119	32.7		25.6	38.4

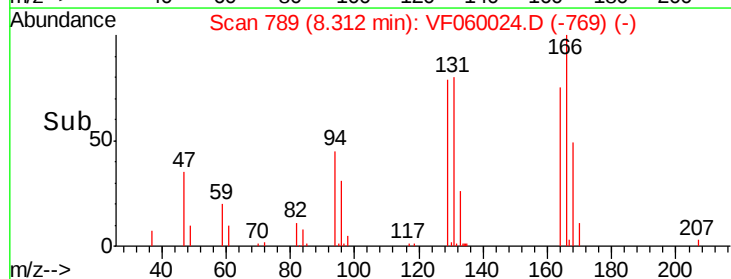
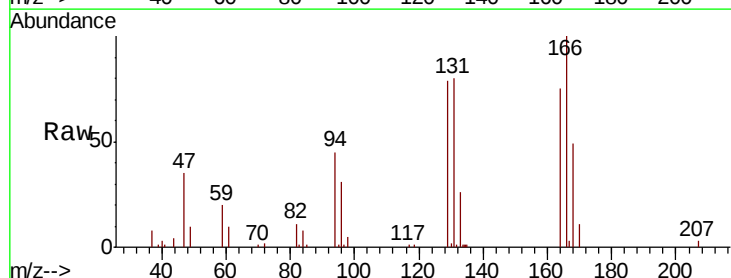
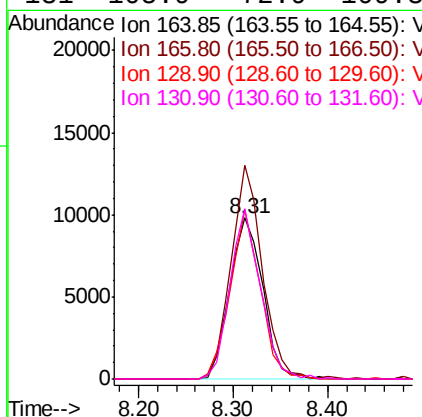
Manual Integrations
APPROVED

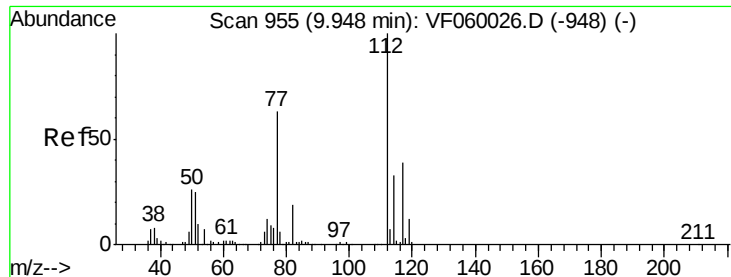
apatel
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#64
Tetrachloroethene
Concen: 8.71 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF060024.D
Acq: 21 Aug 2018 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	23769		
166	132.9		104.7	157.1
129	105.1		77.0	115.4
131	105.9		72.9	109.3





#65

Chlorobenzene

Concen: 9.56 ug/l

RT: 9.95 min Scan# 955

Delta R.T. 0.00 min

Lab File: VF060024.D

Acq: 21 Aug 2018 17:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:112 Resp: 67789

Ion Ratio Lower Upper

112 100

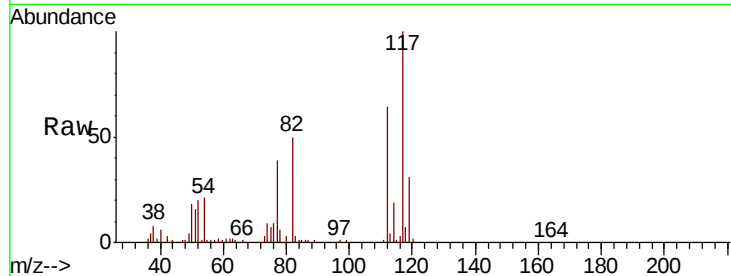
114 30.0 26.2 39.2

Manual Integrations

APPROVED

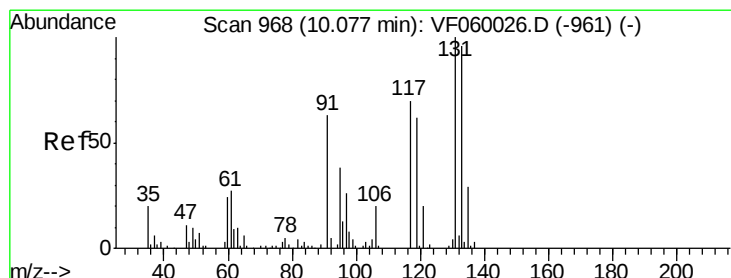
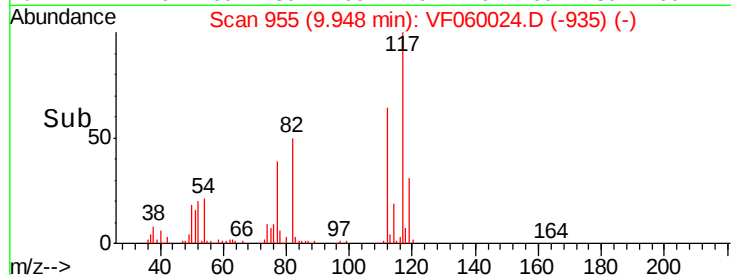
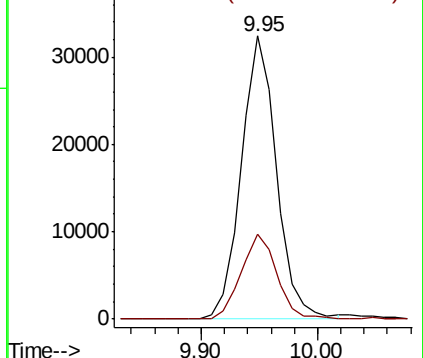
apatel

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 7.87 ug/l

RT: 10.08 min Scan# 968

Delta R.T. 0.00 min

Lab File: VF060024.D

Acq: 21 Aug 2018 17:27

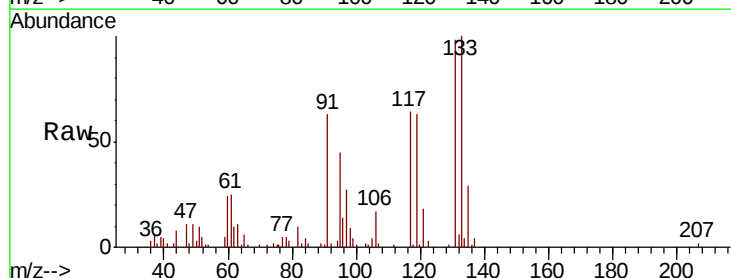
Tgt Ion:131 Resp: 24950

Ion Ratio Lower Upper

131 100

133 102.1 48.2 144.6

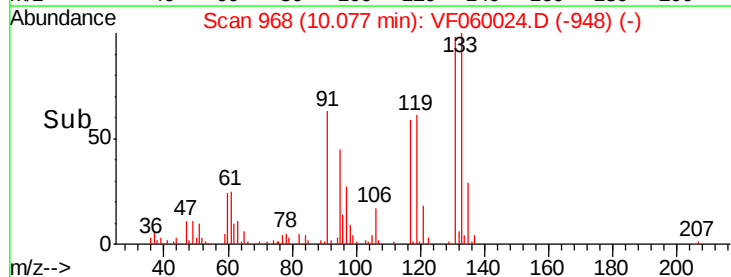
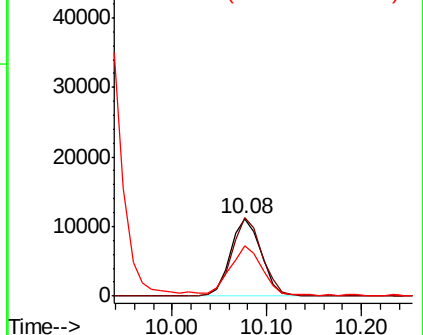
119 64.7 31.4 94.2

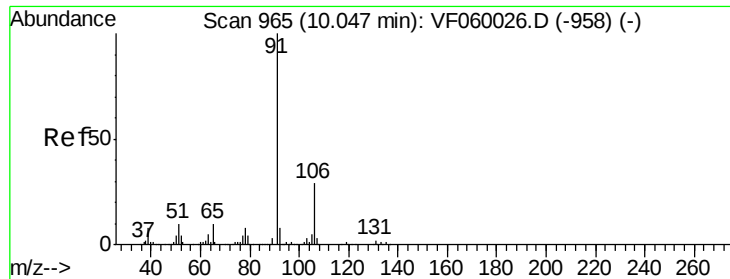


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 9.63 ug/l

RT: 10.05 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF060024.D

Acq: 21 Aug 2018 17:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 122867

Ion Ratio Lower Upper

91 100

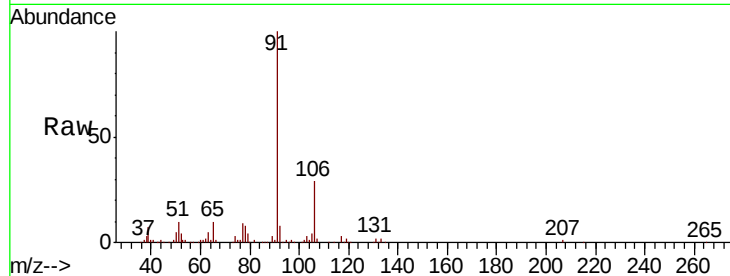
106 28.5 23.6 35.4

Manual Integrations

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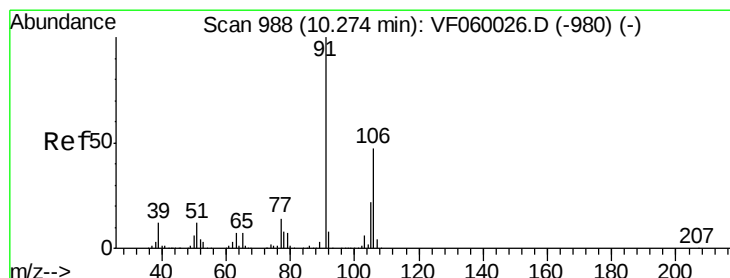
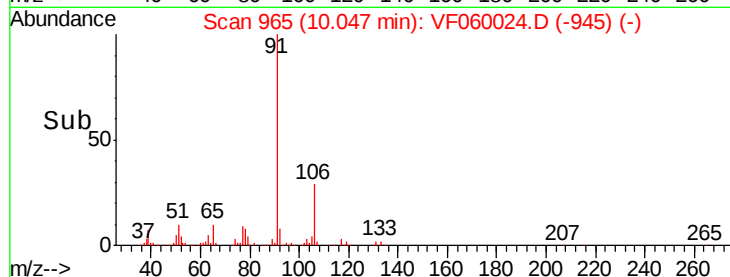
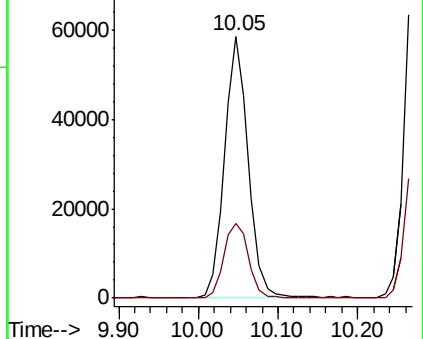
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 19.85 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF060024.D

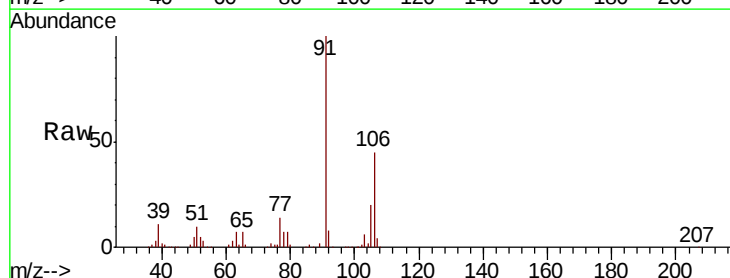
Acq: 21 Aug 2018 17:27

Tgt Ion: 106 Resp: 89289

Ion Ratio Lower Upper

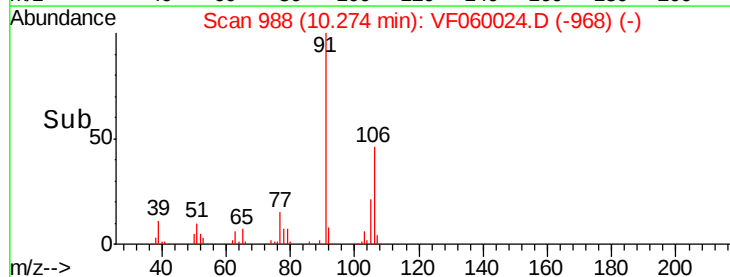
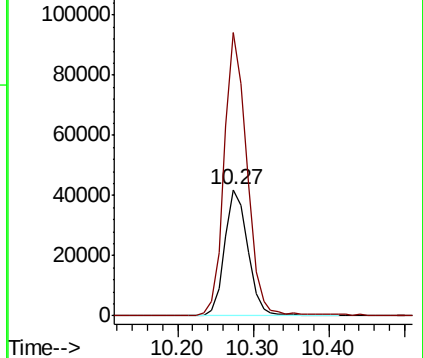
106 100

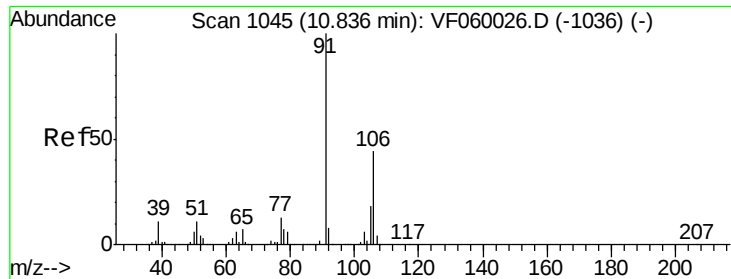
91 224.7 171.8 257.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





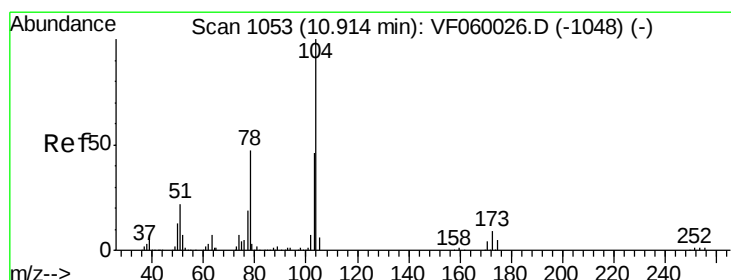
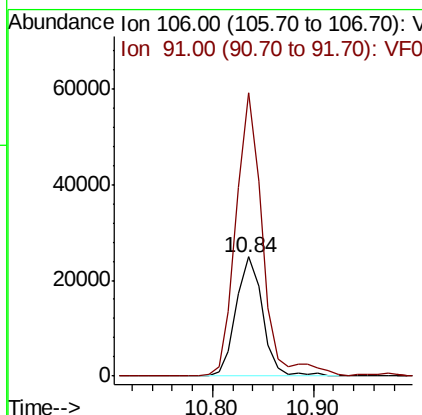
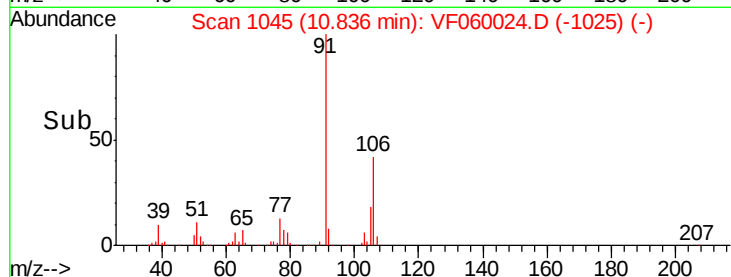
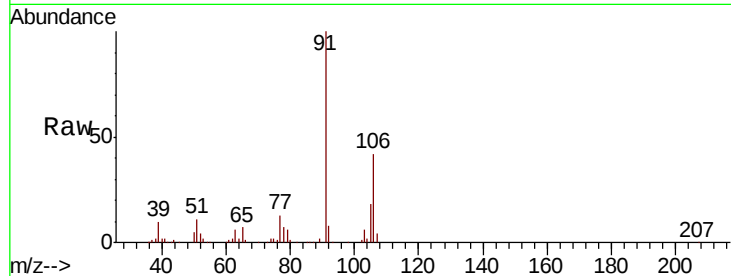
#69
o-Xylene
Concen: 9.98 ug/l
RT: 10.84 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF060024.D
Acq: 21 Aug 2018 17:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	237.4	112.5	337.5	

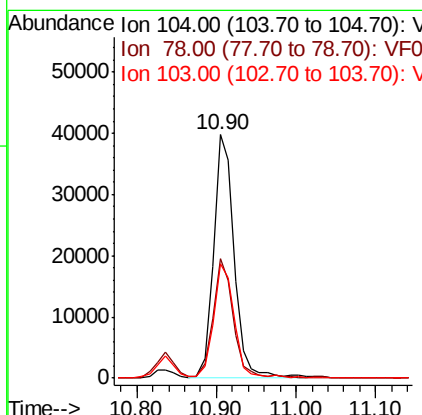
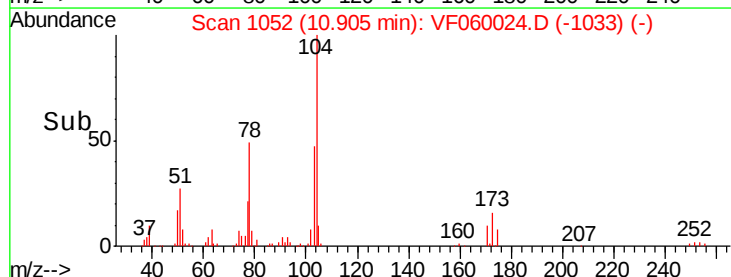
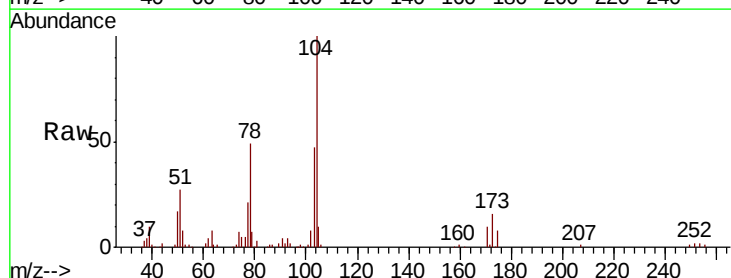
Manual Integrations
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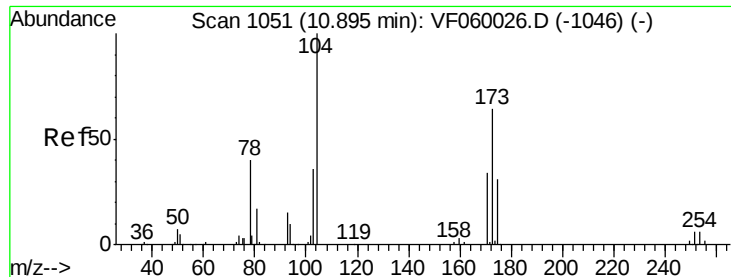
apatel
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#70
Styrene
Concen: 9.85 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF060024.D
Acq: 21 Aug 2018 17:27

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	49.0	38.0	57.0	
103	46.8	37.6	56.4	





#71

Bromoform

Concen: 7.06 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF060024.D

Acq: 21 Aug 2018 17:27

Instrument :

MSVOA_F

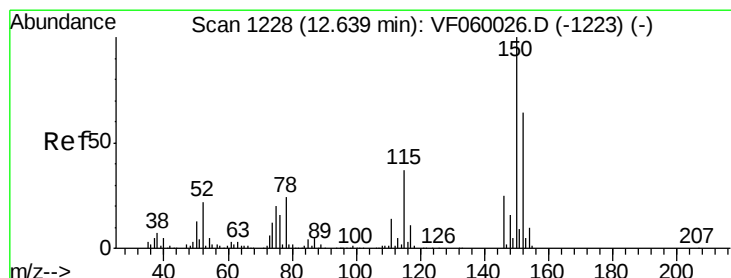
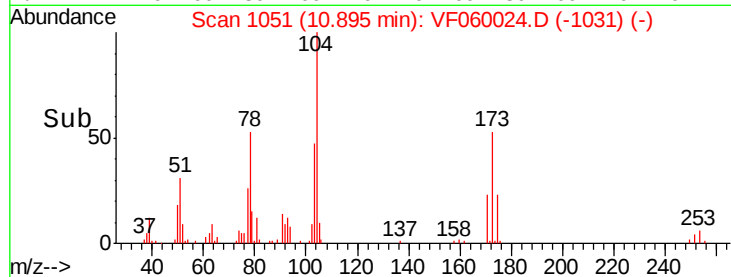
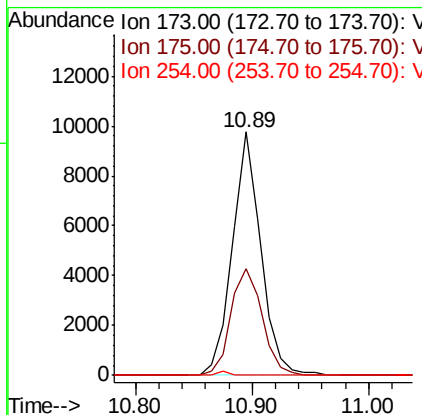
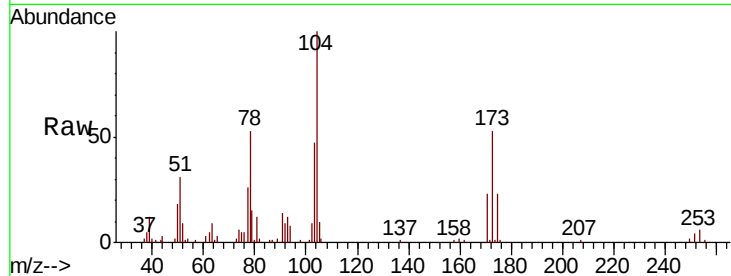
ClientSampled :

VSTDIC010

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

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

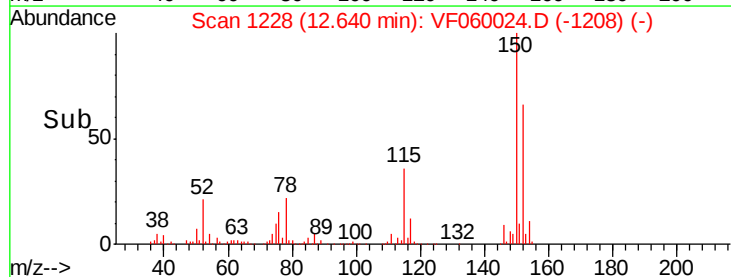
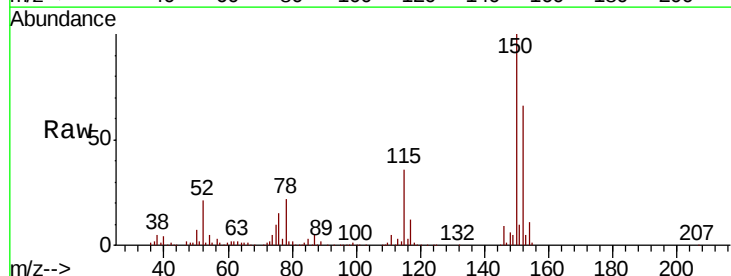
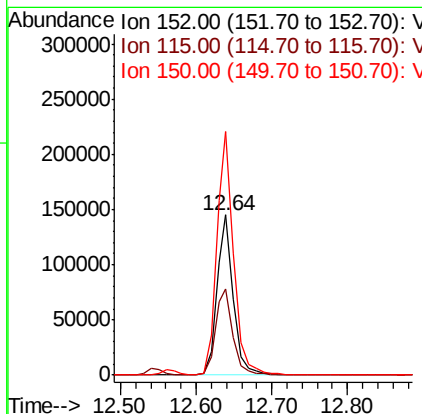
RT: 12.64 min Scan# 1228

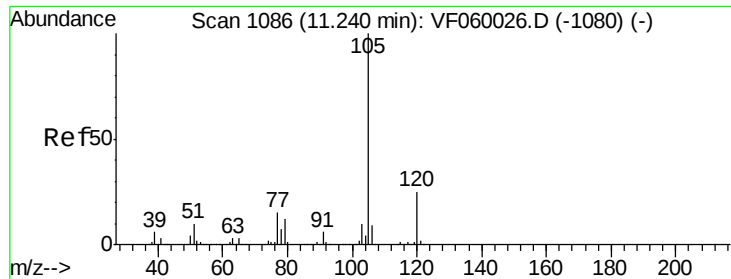
Delta R.T. 0.00 min

Lab File: VF060024.D

Acq: 21 Aug 2018 17:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100				
115	54.2	28.6	85.9		
150	152.1	0.0	312.0		





#73

Isopropylbenzene

Concen: 10.46 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF060024.D

Acq: 21 Aug 2018 17:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 137575

Ion Ratio Lower Upper

105 100

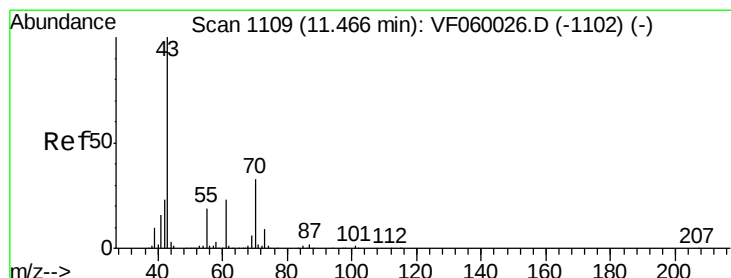
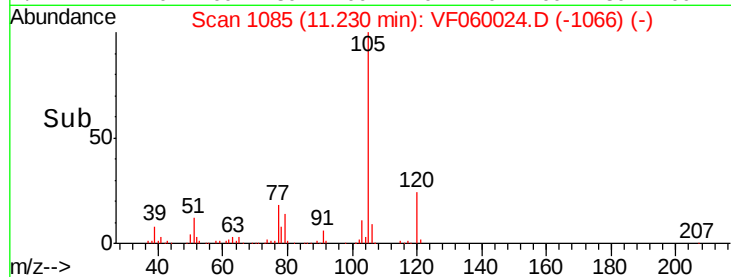
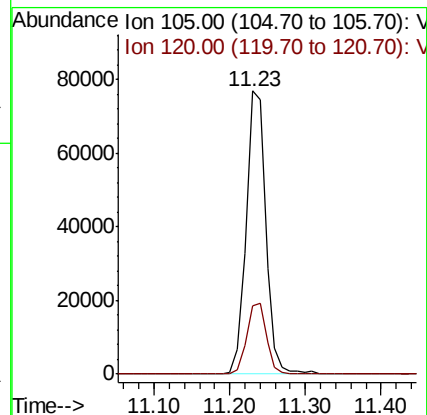
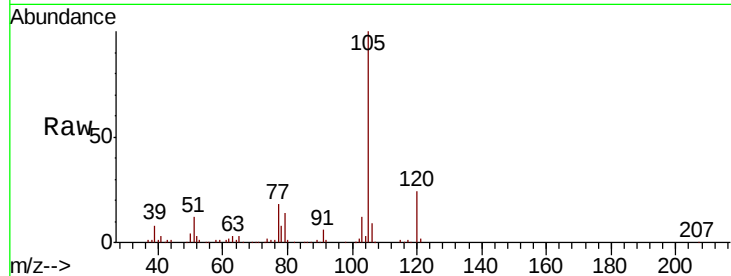
120 24.2 12.7 38.0

Manual Integrations

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#74

N-ethyl acetate

Concen: 9.75 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF060024.D

Acq: 21 Aug 2018 17:27

Tgt Ion: 43 Resp: 36998

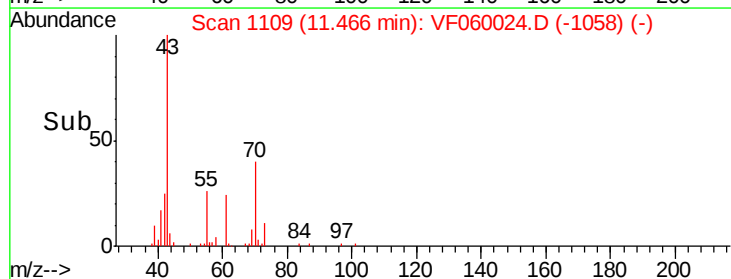
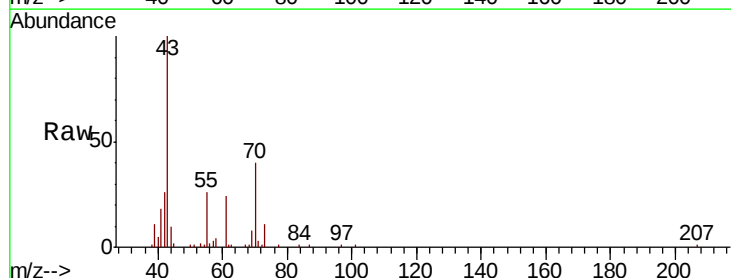
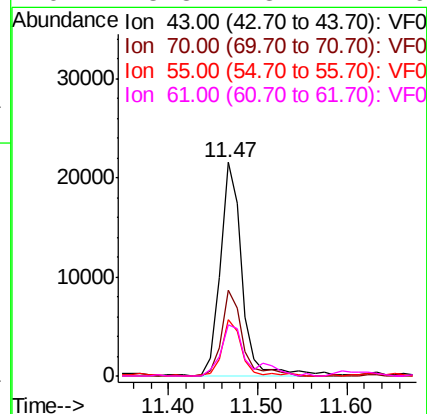
Ion Ratio Lower Upper

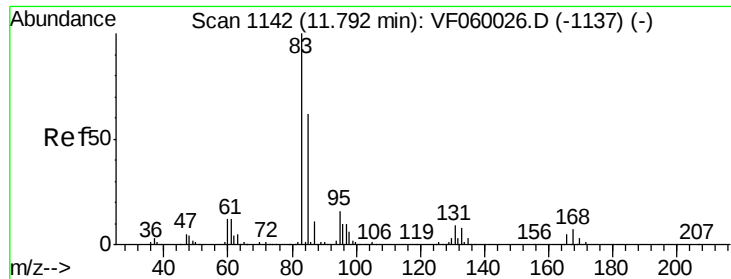
43 100

70 39.9 26.4 39.6#

55 26.3 15.0 22.4#

61 23.8 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 10.76 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF060024.D

Acq: 21 Aug 2018 17:27

Instrument :

MSVOA_F

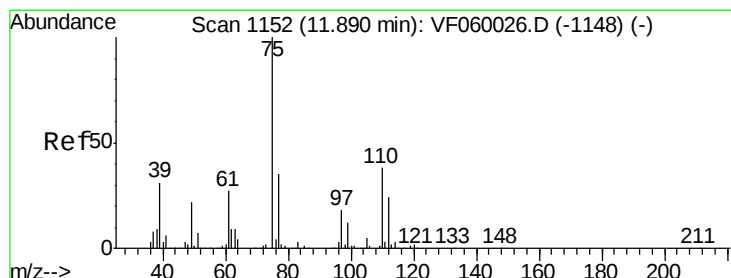
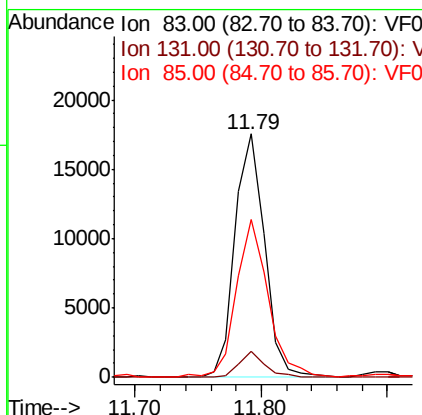
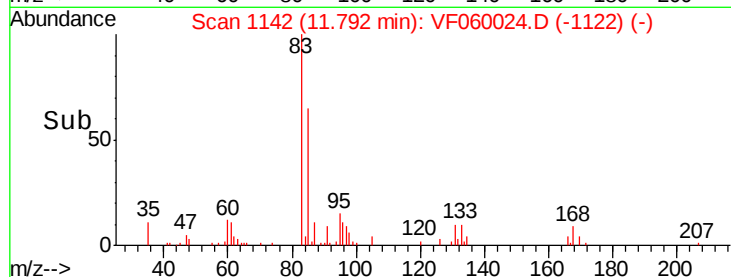
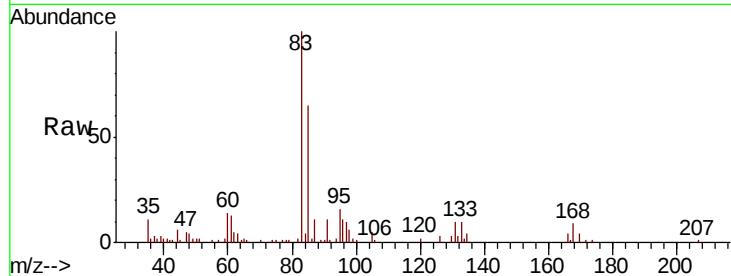
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	28445
Ion Ratio	Lower	Upper	
83	100		
131	10.5	4.5	13.7
85	64.9	31.3	93.9

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#76

1,2,3-Trichloropropane

Concen: 9.61 ug/l

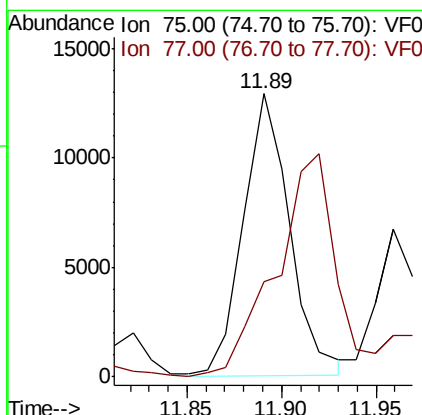
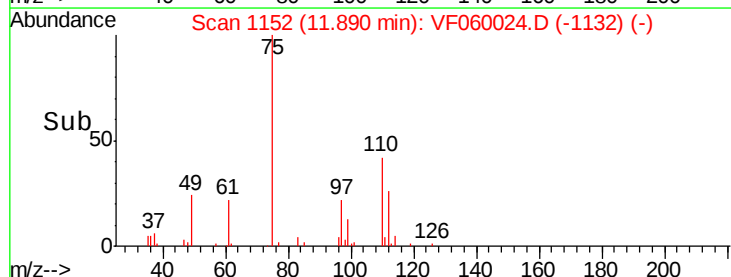
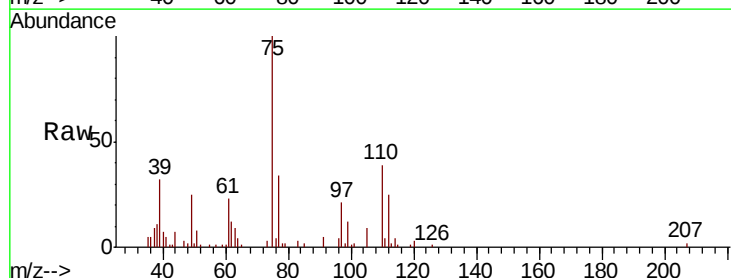
RT: 11.89 min Scan# 1152

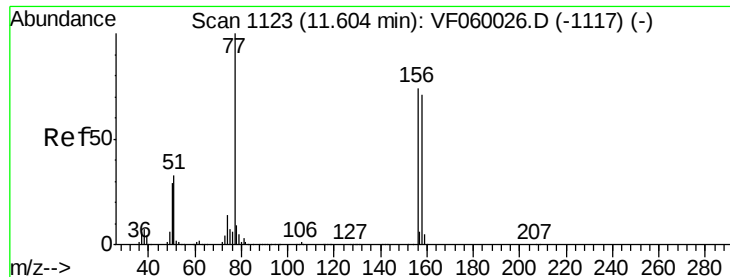
Delta R.T. 0.00 min

Lab File: VF060024.D

Acq: 21 Aug 2018 17:27

Tgt Ion:	75	Resp:	21879
Ion Ratio	Lower	Upper	
75	100		
77	33.6	17.3	52.0





#77

Bromobenzene

Concen: 9.81 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF060024.D

Acq: 21 Aug 2018 17:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:156 Resp: 35872

Ion Ratio Lower Upper

156 100

77 137.1 68.0 204.0

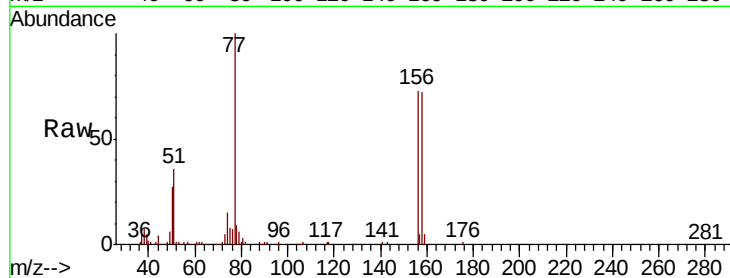
158 98.3 48.4 145.3

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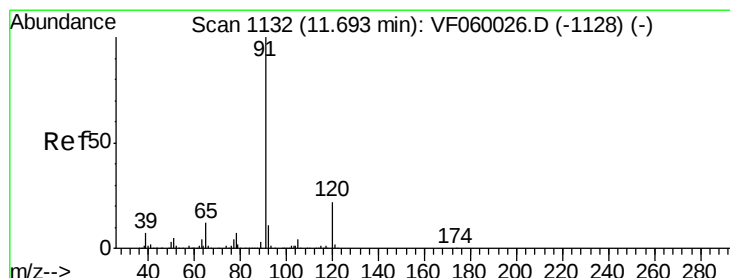
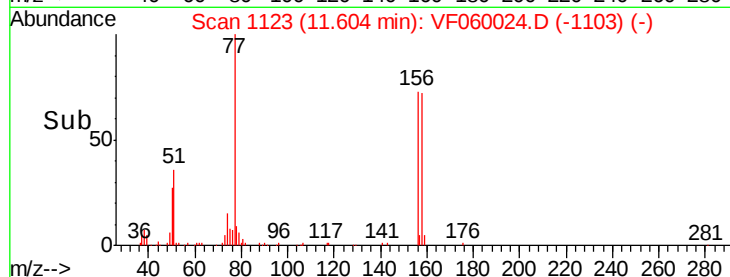
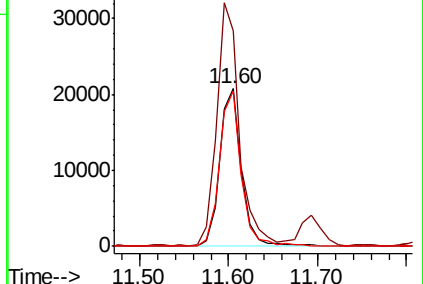
8/22/2018 10:09:21 AM



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: 10.29 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF060024.D

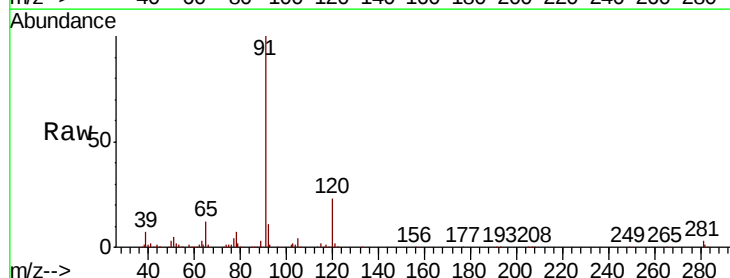
Acq: 21 Aug 2018 17:27

Tgt Ion: 91 Resp: 168366

Ion Ratio Lower Upper

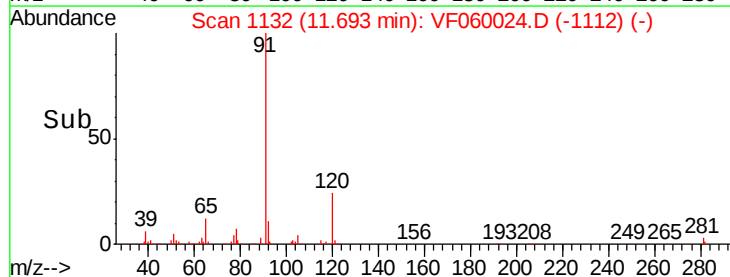
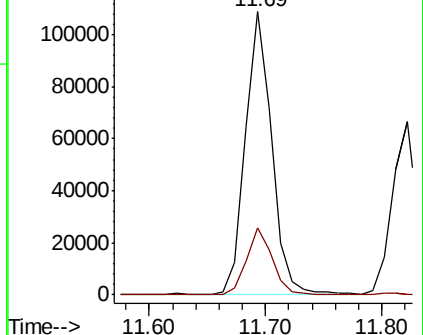
91 100

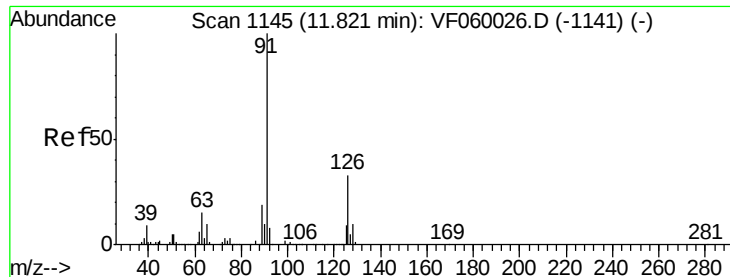
120 23.5 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





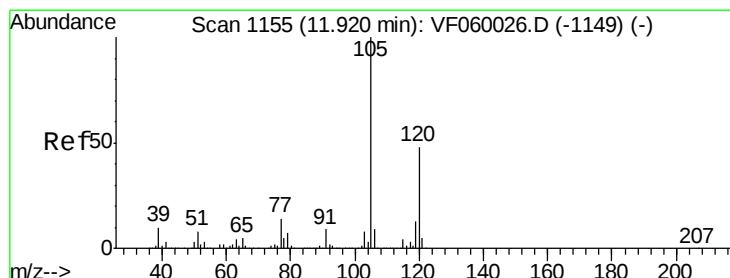
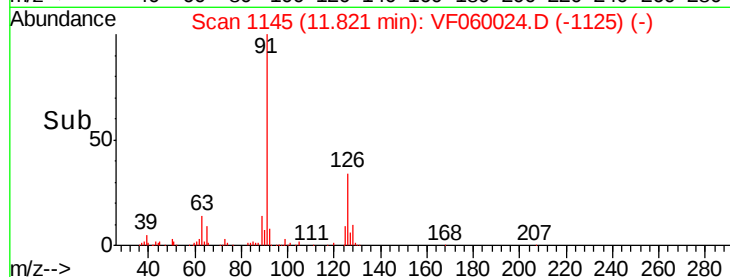
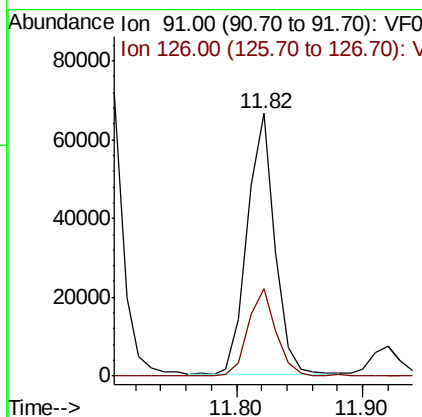
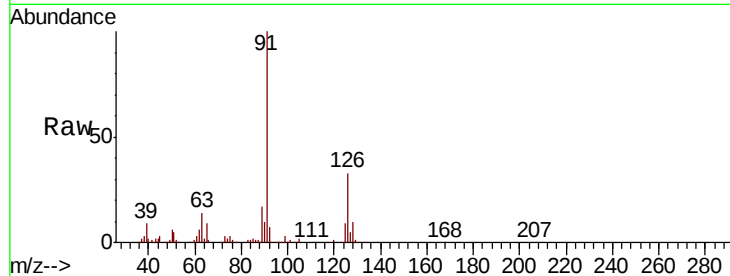
#79
 2-Chlorotoluene
 Concen: 10.15 ug/l
 RT: 11.82 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: VF060024.D
 Acq: 21 Aug 2018 17:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.6	49.7

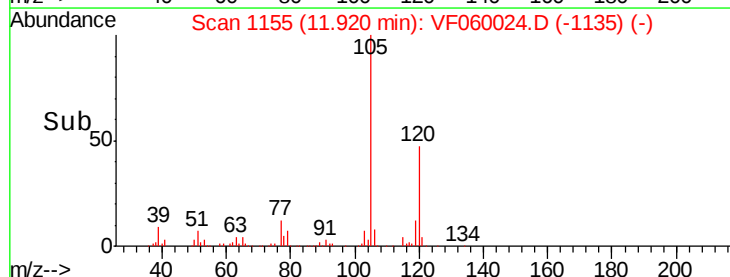
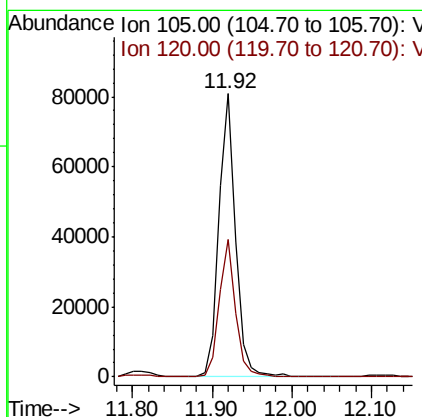
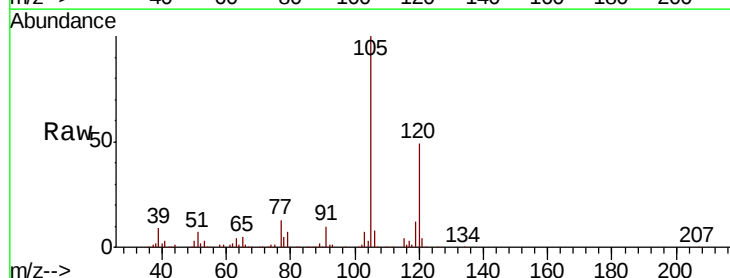
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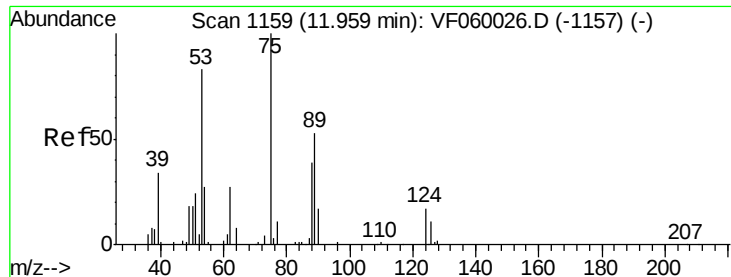
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 10.21 ug/l
 RT: 11.92 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VF060024.D
 Acq: 21 Aug 2018 17:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.5	23.8	71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 10.60 ug/l m

RT: 11.96 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF060024.D

Acq: 21 Aug 2018 17:27

Instrument :

MSVOA_F

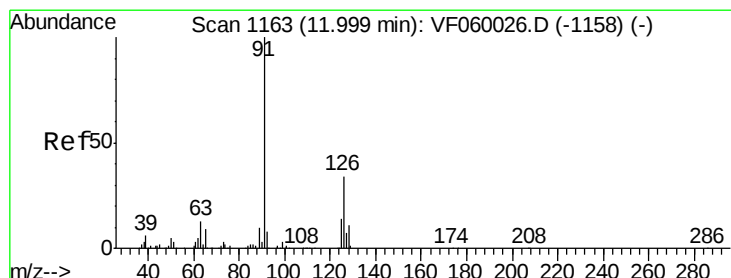
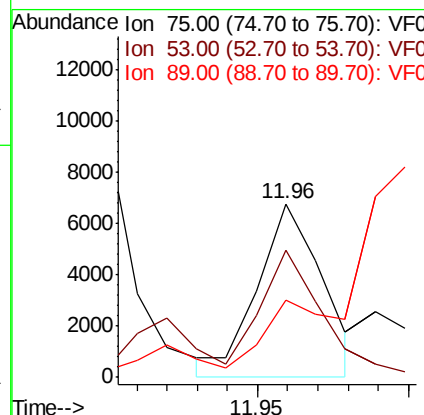
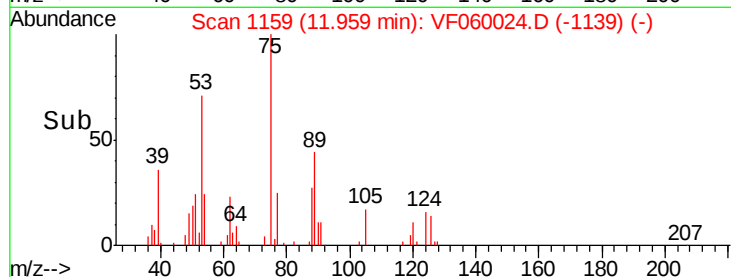
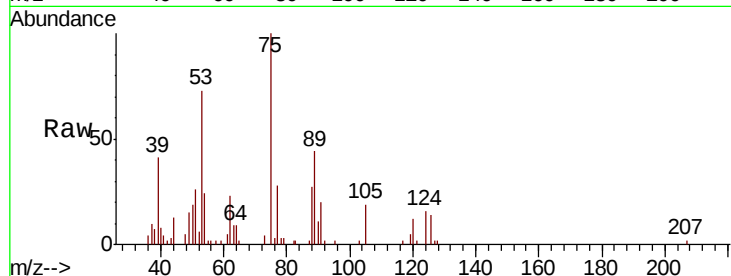
ClientSampleId :

VSTDIC010

Tot Ion:	75	Resp:	10178
Ion	Ratio	Lower	Upper
75	100		
53	73.1	66.2	99.4
89	44.3	42.8	64.2

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#82

4-Chlorotoluene

Concen: 9.92 ug/l

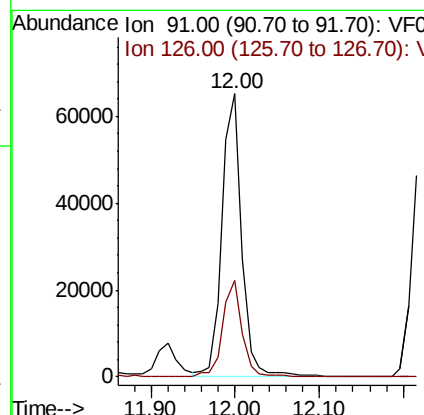
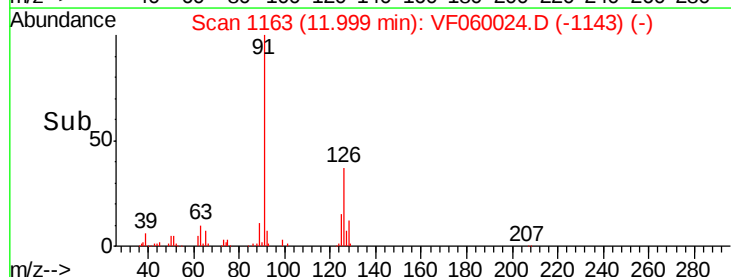
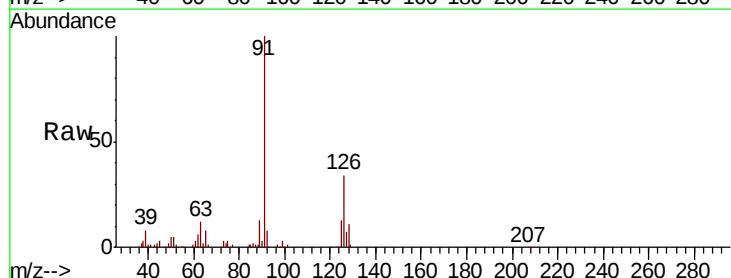
RT: 12.00 min Scan# 1163

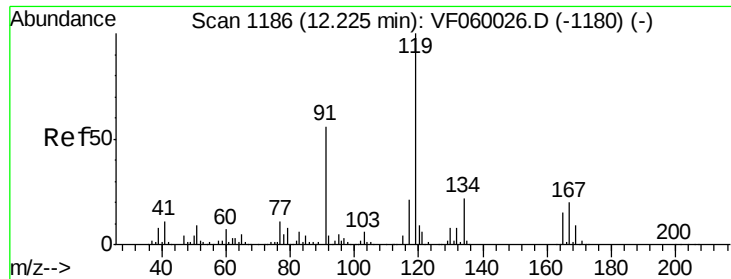
Delta R.T. 0.00 min

Lab File: VF060024.D

Acq: 21 Aug 2018 17:27

Tgt Ion:	91	Resp:	106545
Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.0	50.9





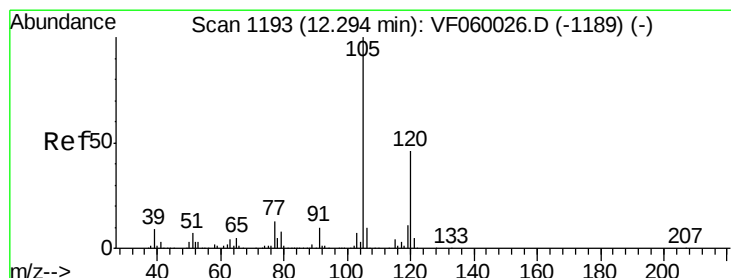
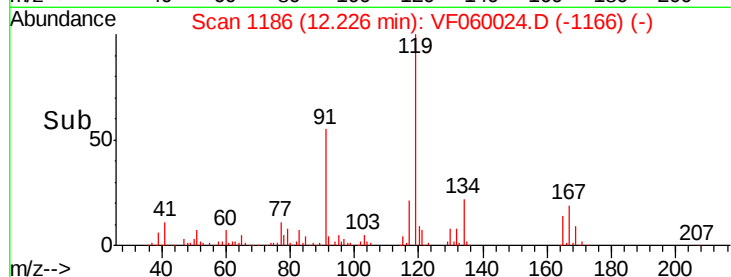
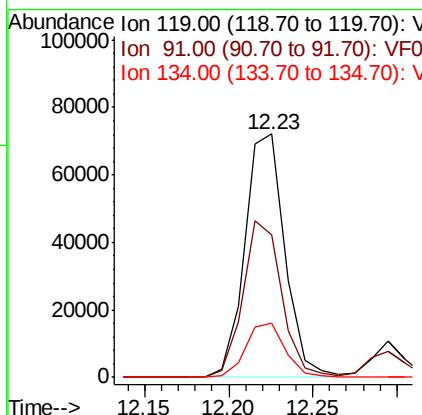
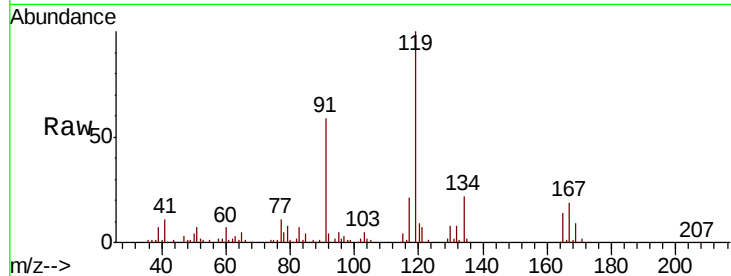
#83
 tert-Butylbenzene
 Concen: 10.30 ug/l
 RT: 12.23 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: VF060024.D
 Acq: 21 Aug 2018 17:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
119	100	118875		
91	58.6	28.1	84.3	
134	22.4	11.1	33.3	

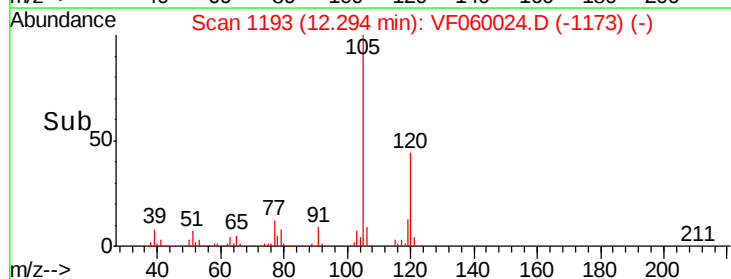
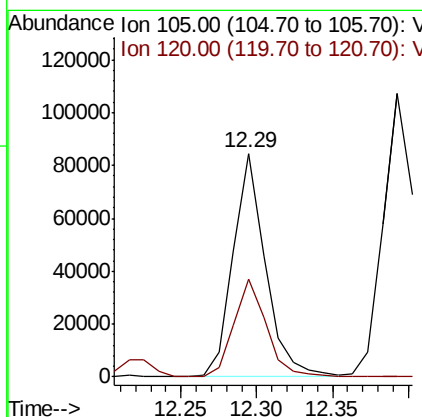
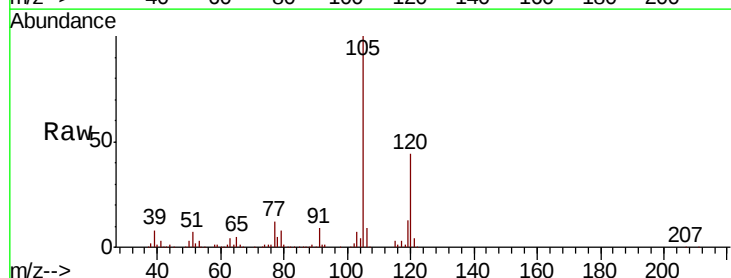
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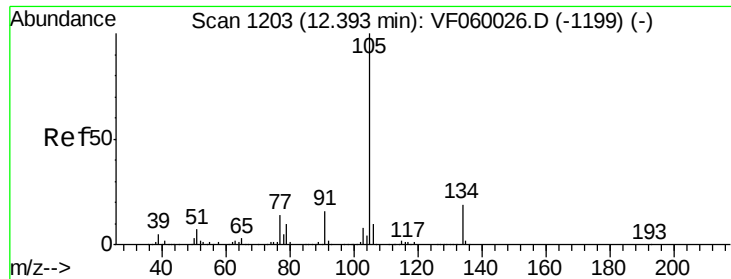
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 10.17 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VF060024.D
 Acq: 21 Aug 2018 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	126146		
120	43.9	23.3	69.8	





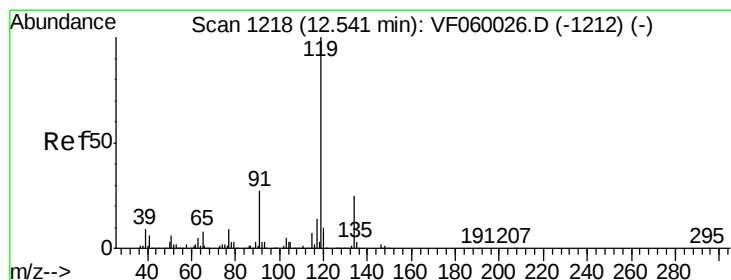
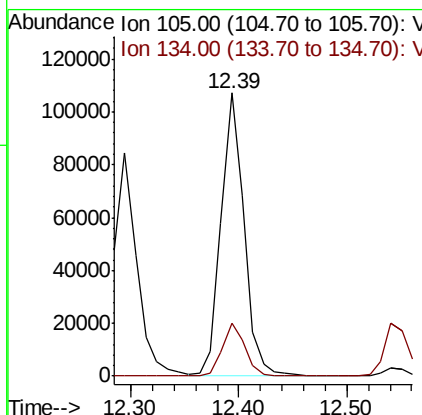
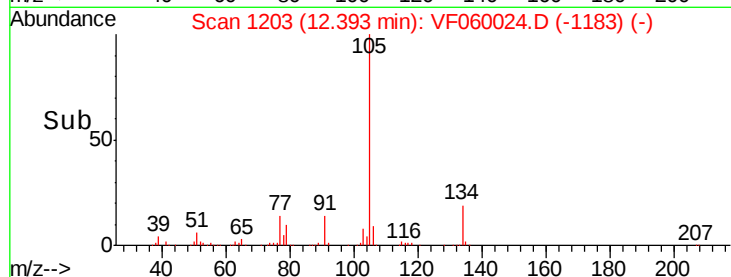
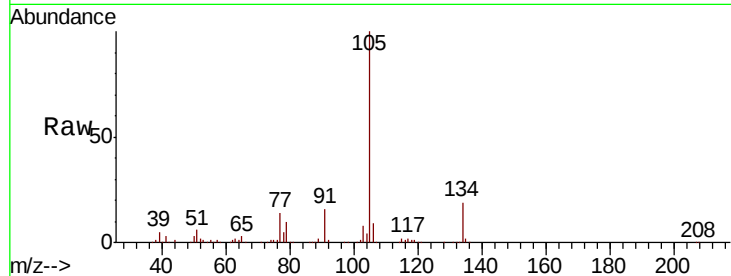
#85
 sec-Butylbenzene
 Concen: 10.29 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VF060024.D
 Acq: 21 Aug 2018 17:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
105	100	158485		
134	18.9	9.3	27.9	

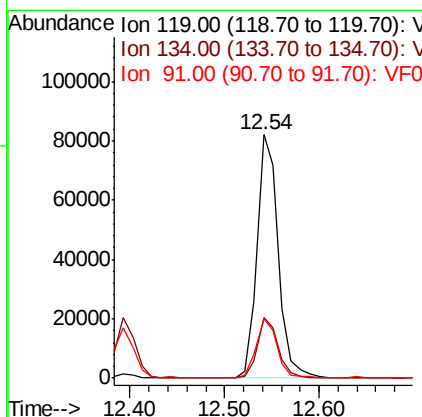
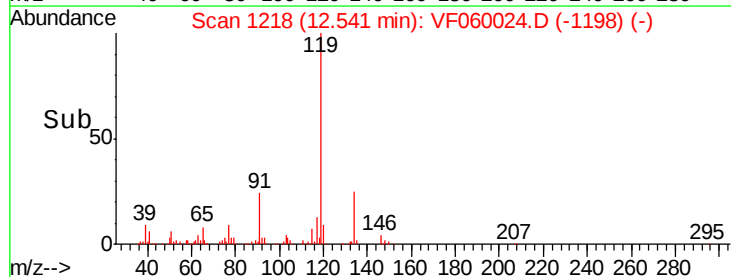
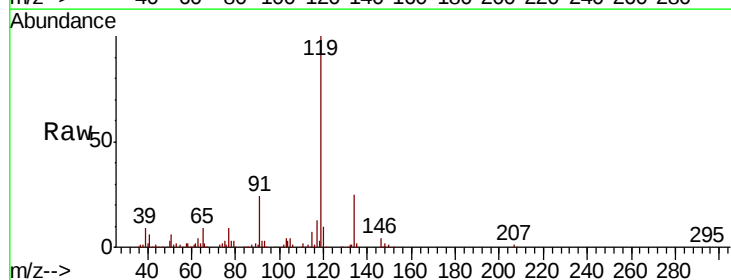
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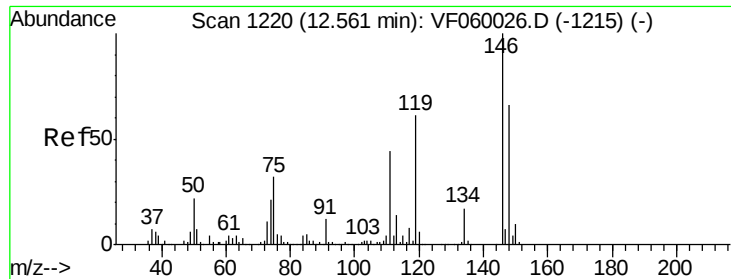
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#86
 p-Isopropyltoluene
 Concen: 9.41 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF060024.D
 Acq: 21 Aug 2018 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	128126		
134	24.7	12.4	37.2	
91	24.3	13.5	40.4	





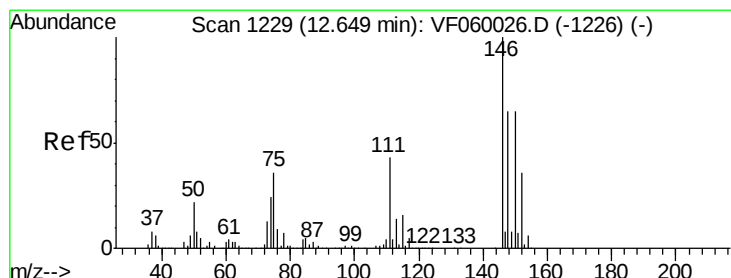
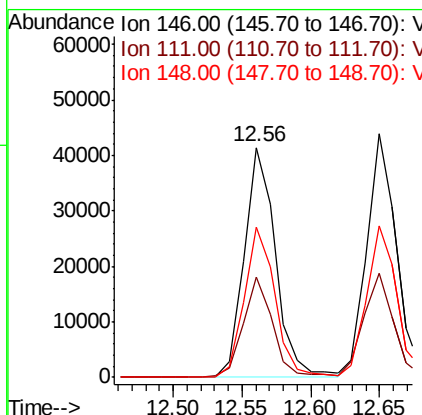
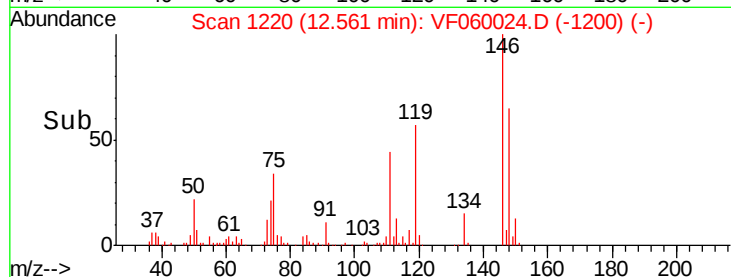
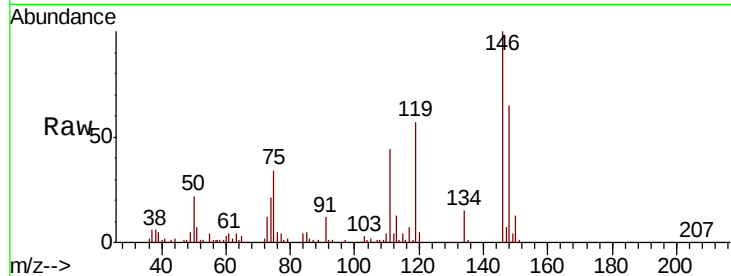
#87
 1,3-Dichlorobenzene
 Concen: 9.47 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF060024.D
 Acq: 21 Aug 2018 17:27

Instrument :
 MSVOA_F
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.9	65.5
148	65.2	32.9	98.7

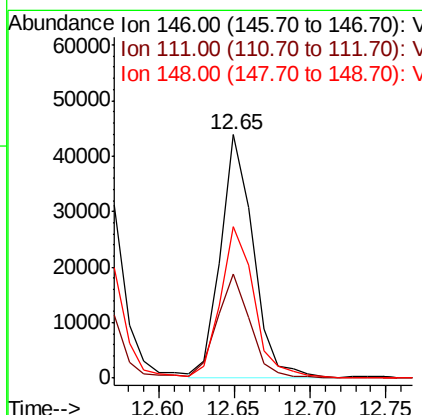
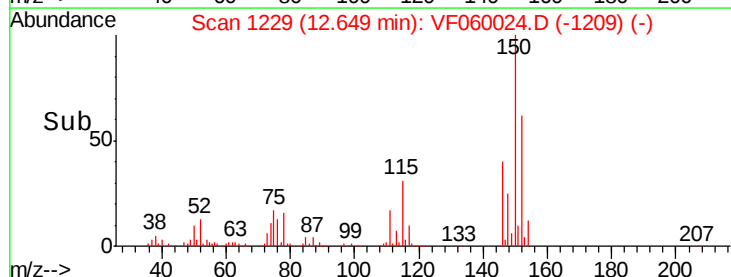
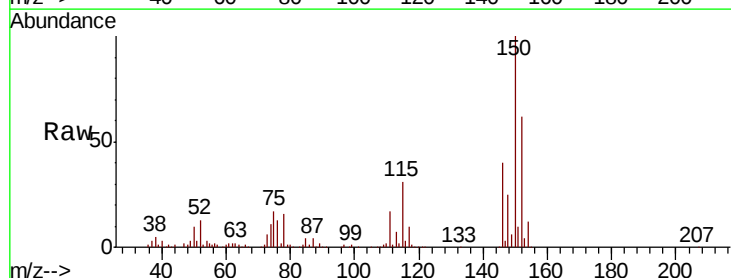
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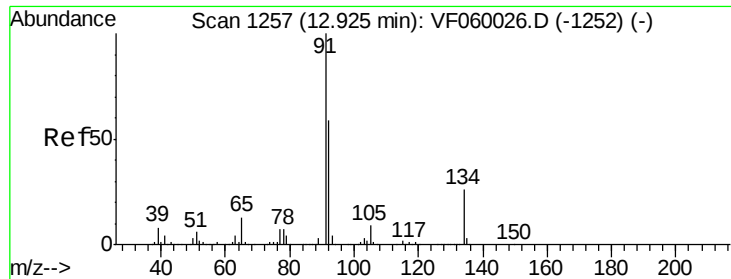
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 9.67 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF060024.D
 Acq: 21 Aug 2018 17:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.6	64.8
148	62.2	32.3	96.8





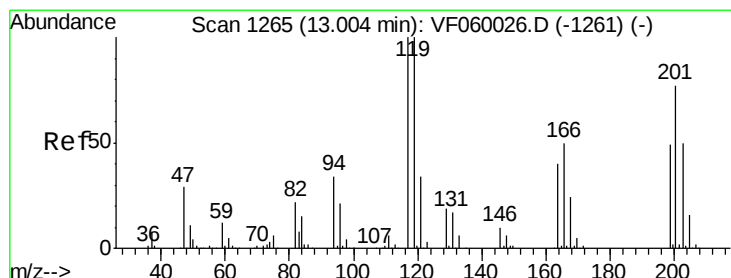
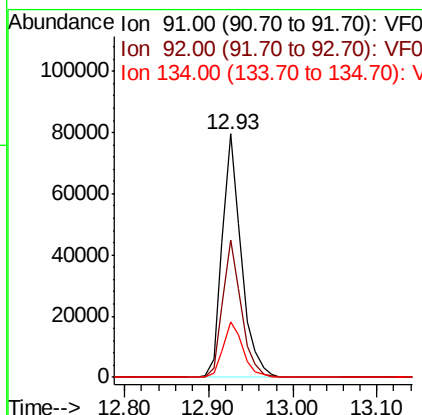
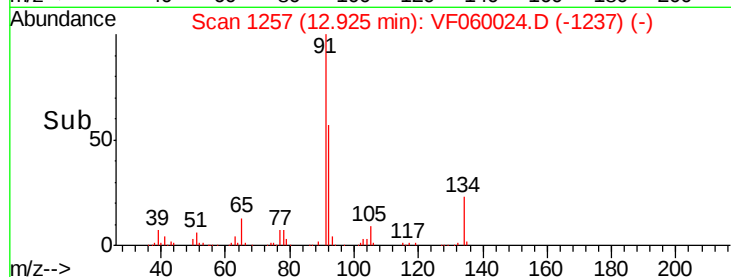
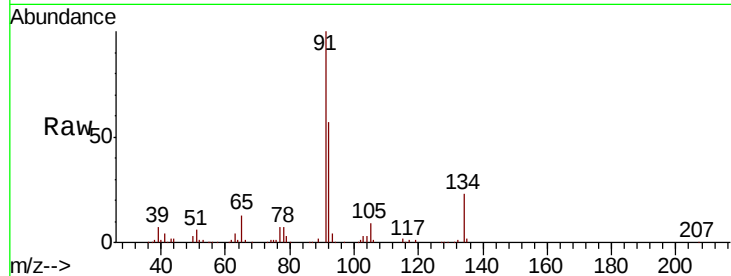
#89
n-Butylbenzene
Concen: 9.57 ug/l
RT: 12.93 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VF060024.D
Acq: 21 Aug 2018 17:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	56.6	29.3	87.9
134	22.9	12.8	38.3

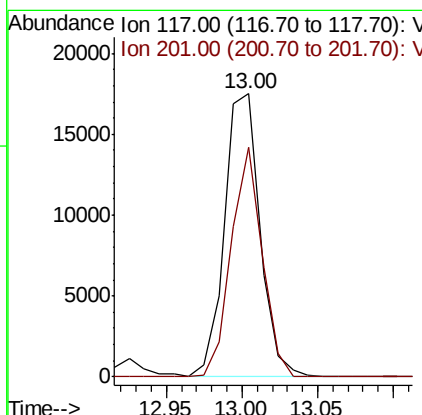
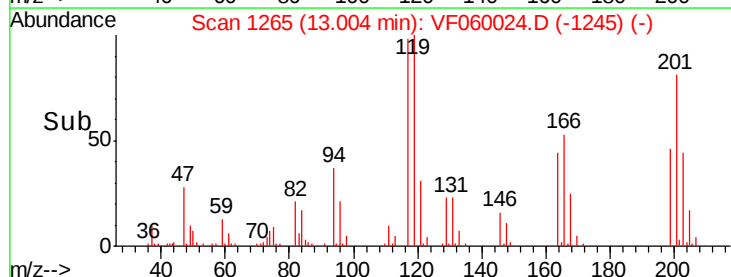
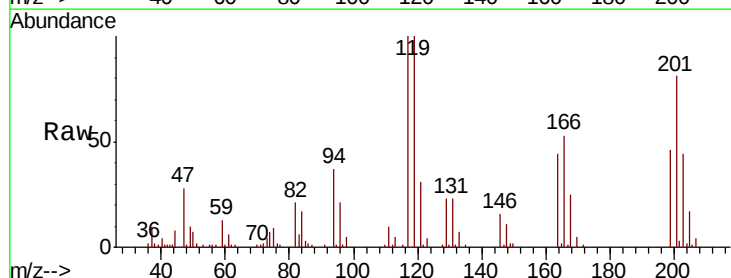
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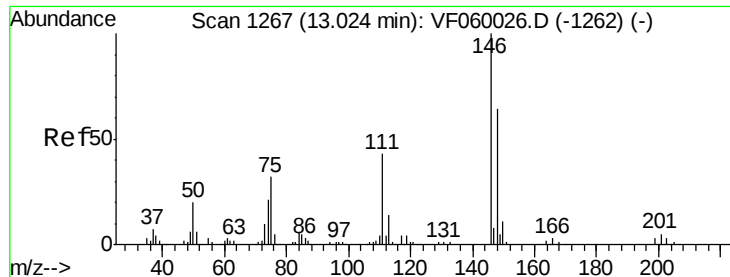
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#90
Hexachloroethane
Concen: 9.41 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF060024.D
Acq: 21 Aug 2018 17:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.3	38.6	115.8





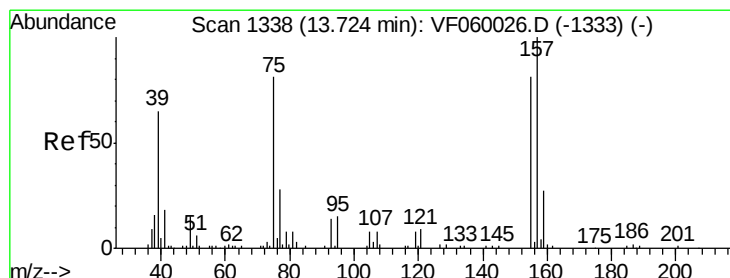
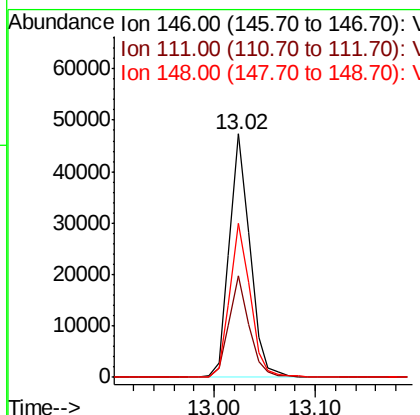
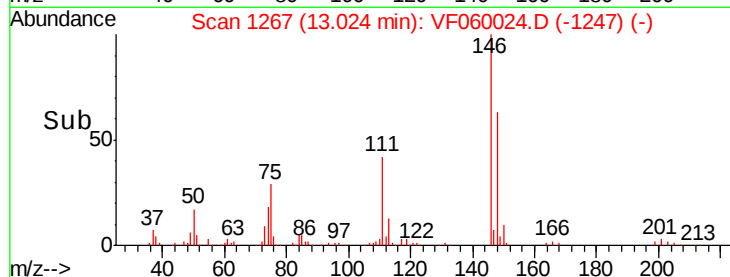
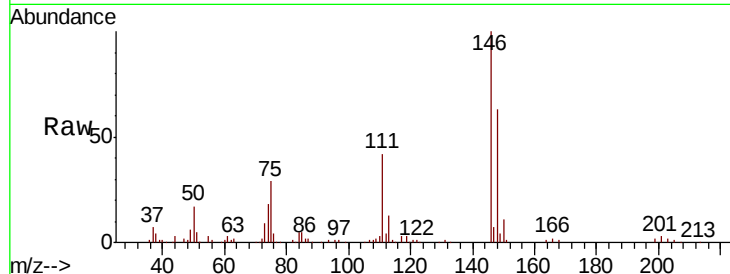
#91
 1,2-Dichlorobenzene
 Concen: 10.13 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF060024.D
 Acq: 21 Aug 2018 17:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.6	64.6
148	63.3	32.3	96.8

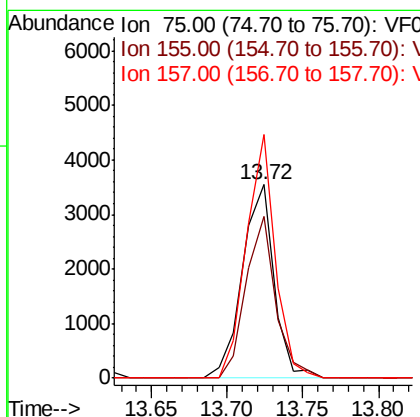
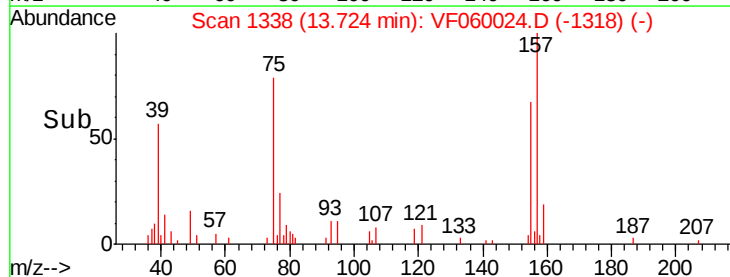
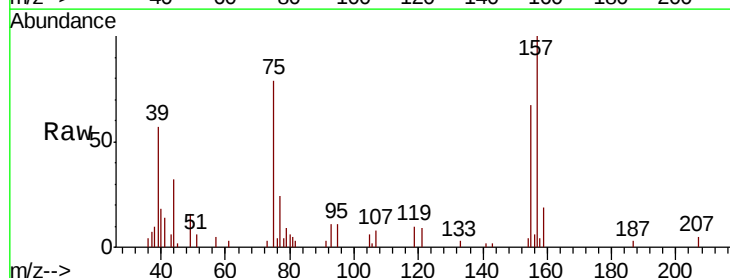
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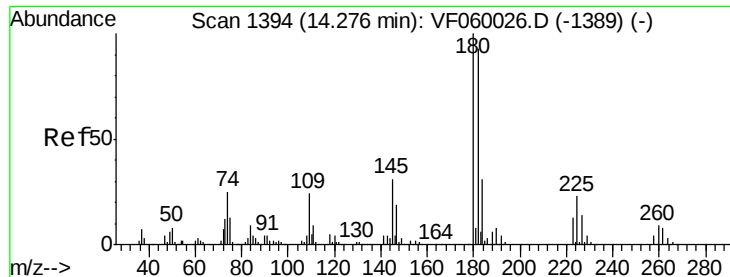
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 7.48 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.00 min
 Lab File: VF060024.D
 Acq: 21 Aug 2018 17:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.9	49.8	149.3
157	126.1	61.6	184.7





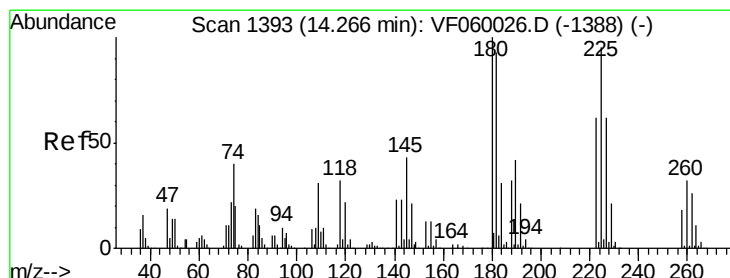
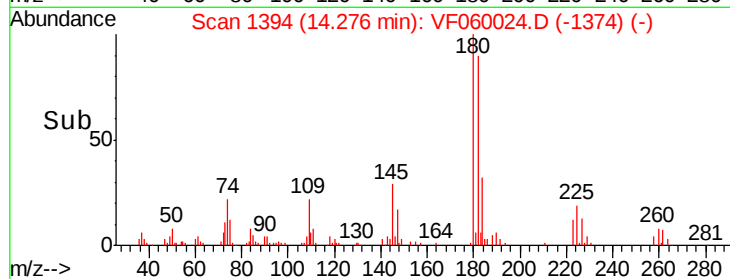
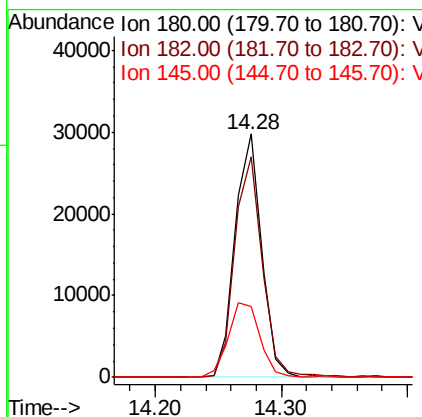
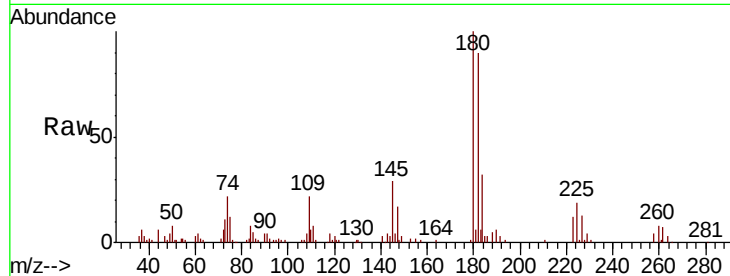
#93
 1,2,4-Trichlorobenzene
 Concen: 8.04 ug/l
 RT: 14.28 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF060024.D
 Acq: 21 Aug 2018 17:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.4	46.8	140.3
145	29.3	15.4	46.4

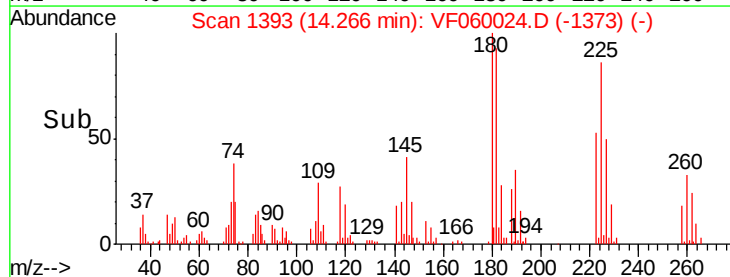
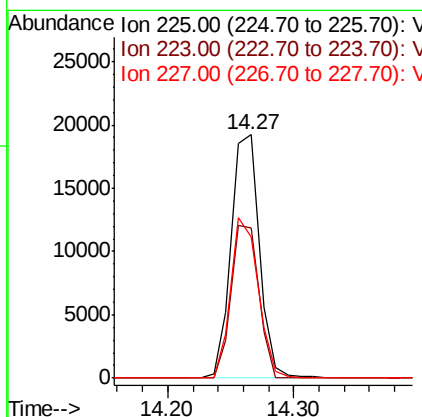
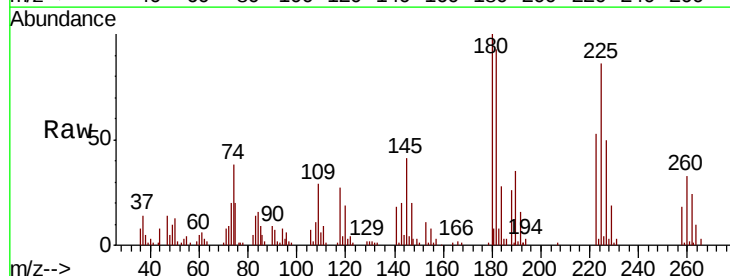
Manual Integrations
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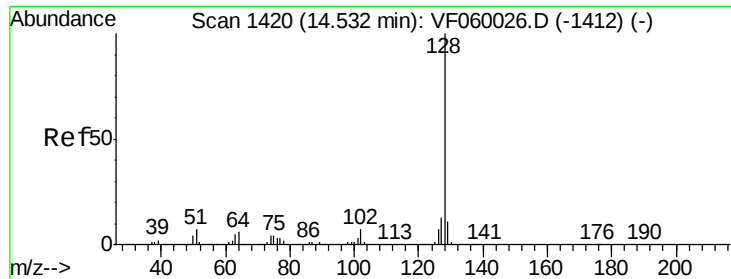
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#94
 Hexachlorobutadiene
 Concen: 8.39 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF060024.D
 Acq: 21 Aug 2018 17:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	32.6	97.8
227	57.9	33.0	98.9





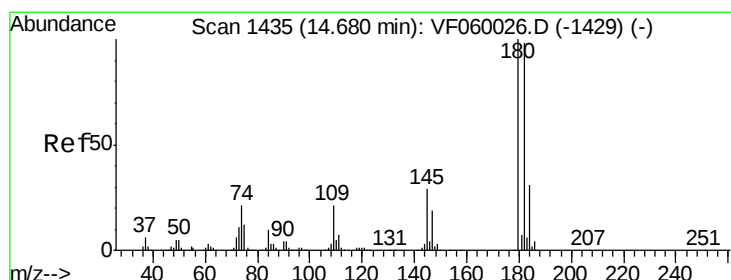
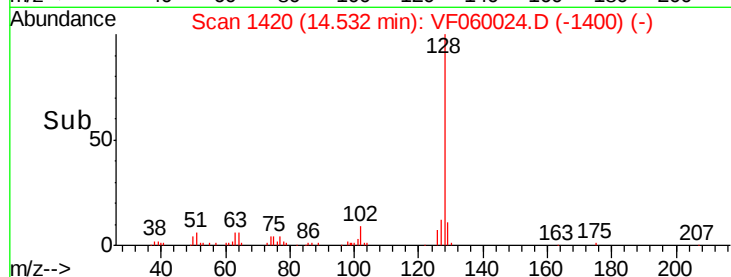
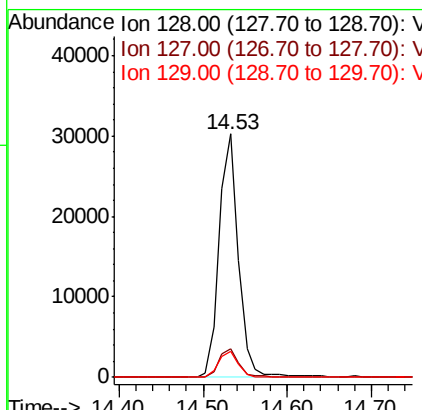
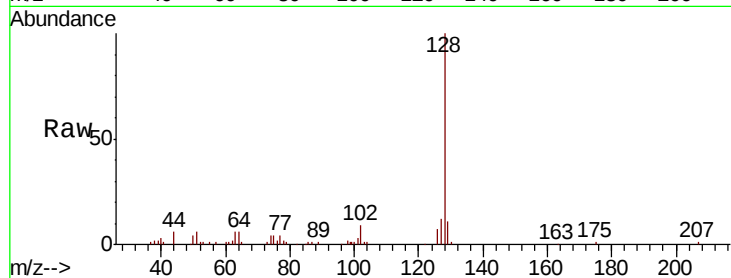
#95
Naphthalene
Concen: 6.25 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF060024.D
Acq: 21 Aug 2018 17:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.6	10.4	15.6
129	10.7	8.5	12.7

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 7.72 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. -0.01 min
Lab File: VF060024.D
Acq: 21 Aug 2018 17:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.7	49.0	147.2
145	35.5	14.4	43.2

