

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082918\
 Data File : VF060171.D
 Acq On : 29 Aug 2018 2:21
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
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 8/29/2018 2:02:08 PM

Quant Time: Aug 29 02:41:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 29 02:30:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	80093	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.76	114	91294	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	77417	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	37720	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	49271	98.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.16%	
35) Dibromofluoromethane	4.28	113	58737	101.81	ug/l	0.01
Spiked Amount	50.000		Recovery	=	203.62%	
50) Toluene-d8	7.70	98	218603	113.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	226.82%	
62) 4-Bromofluorobenzene	11.50	95	74164	99.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	179294	110.60	ug/l	99
3) Chloromethane	1.07	50	66288	109.78	ug/l	99
4) Vinyl Chloride	1.12	62	63206	104.75	ug/l	92
5) Bromomethane	1.32	94	37767	133.43	ug/l	94
6) Chloroethane	1.41	64	39087	109.54	ug/l	91
7) Trichlorofluoromethane	1.49	101	300898	107.64	ug/l	100
8) Diethyl Ether	1.68	74	11368	114.17	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.85	101	132880	108.25	ug/l	91
10) Methyl Iodide	1.93	142	69688	126.07	ug/l	98
11) Tert butyl alcohol	2.60	59	4875	767.17	ug/l	99
12) 1,1-Dichloroethene	1.82	96	83401	109.91	ug/l	96
13) Acrolein	2.08	56	5008	471.61	ug/l #	39
14) Allyl chloride	2.19	41	74956	128.54	ug/l	90
15) Acrylonitrile	3.04	53	13445	582.08	ug/l	96
16) Acetone	2.31	43	28429	399.38	ug/l	98
17) Carbon Disulfide	1.84	76	247647	110.92	ug/l	98
18) Methyl Acetate	2.43	43	10694	61.30	ug/l #	83
19) Methyl tert-butyl Ether	2.50	73	62190	115.02	ug/l	94
20) Methylene Chloride	2.28	84	38109	77.88	ug/l	91
21) trans-1,2-Dichloroethene	2.40	96	72482	115.72	ug/l	93
22) Diisopropyl ether	2.89	45	115727	114.43	ug/l	96
23) Vinyl Acetate	3.30	43	169413	750.39	ug/l	99
24) 1,1-Dichloroethane	2.99	63	117030	108.55	ug/l	97
25) 2-Butanone	4.46	43	31449	556.66	ug/l	95
26) 2,2-Dichloropropane	3.74	77	91937	129.35	ug/l	96
27) cis-1,2-Dichloroethene	3.62	96	50682	115.96	ug/l	94
28) Bromochloromethane	3.87	49	24504	102.46	ug/l #	64
29) Tetrahydrofuran	4.22	42	15127	612.84	ug/l #	80
30) Chloroform	4.02	83	129754	106.13	ug/l	93
31) Cyclohexane	3.85	56	124463	128.15	ug/l	97
32) 1,1,1-Trichloroethane	4.26	97	194705	114.30	ug/l	94
36) 1,1-Dichloropropene	4.44	75	140854	118.20	ug/l	93
37) Ethyl Acetate	4.25	43	17347	125.65	ug/l #	56
38) Carbon Tetrachloride	4.16	117	195894	120.01	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	134562	118.05	ug/l	92
40) Benzene	4.80	78	177897	106.69	ug/l	97
41) Methacrylonitrile	4.89	41	10107	120.73	ug/l #	78
42) 1,2-Dichloroethane	5.09	62	62145	100.19	ug/l	96
43) Isopropyl Acetate	7.10	43	20586	109.85	ug/l #	93
44) Trichloroethene	5.67	130	74945	102.93	ug/l	91
45) 1,2-Dichloropropane	6.39	63	39228	112.50	ug/l	100
46) Dibromomethane	6.24	93	22240	122.67	ug/l	95
47) Bromodichloromethane	6.53	83	76863	111.35	ug/l #	95
48) Methyl methacrylate	6.85	41	15826	94.93	ug/l	92
49) 1,4-Dioxane	6.83	88	1989	2210.88	ug/l #	74
51) 4-Methyl-2-Pentanone	8.39	43	94338	584.92	ug/l	95
52) Toluene	7.77	92	141228	108.04	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	51062	138.38	ug/l	99
54) cis-1,3-Dichloropropene	7.44	75	64188	135.81	ug/l #	87
55) 1,1,2-Trichloroethane	8.62	97	24459	111.89	ug/l #	90
56) Ethyl methacrylate	8.74	69	23519	133.60	ug/l	87
57) 1,3-Dichloropropane	8.99	76	44035	120.47	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.77	63	28461	523.69	ug/l	100
59) 2-Hexanone	9.62	43	69760	638.58	ug/l	82
60) Dibromochloromethane	8.85	129	42001	119.37	ug/l	82
61) 1,2-Dibromoethane	9.13	107	24207	108.44	ug/l	93
64) Tetrachloroethene	8.30	164	100472	107.06	ug/l	97
65) Chlorobenzene	9.93	112	159736	103.82	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.06	131	52071	100.44	ug/l	96
67) Ethyl Benzene	10.03	91	362733	102.89	ug/l	100
68) m/p-Xylenes	10.26	106	242191	199.74	ug/l	81
69) o-Xylene	10.82	106	112124	112.05	ug/l	99
70) Styrene	10.89	104	141373	114.80	ug/l	99
71) Bromoform	10.88	173	21116	124.65	ug/l	97
73) Isopropylbenzene	11.23	105	434697	108.51	ug/l	100
74) N-amyl acetate	11.45	43	34997	123.86	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.78	83	27210	98.81	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	23484	99.87	ug/l	75
77) Bromobenzene	11.59	156	64187	110.27	ug/l	97
78) n-propylbenzene	11.68	91	521197	107.57	ug/l	99
79) 2-Chlorotoluene	11.81	91	245293	110.32	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	326102	107.44	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	6307m	112.27	ug/l	
82) 4-Chlorotoluene	11.98	91	240974	108.73	ug/l	99
83) tert-Butylbenzene	12.21	119	352949	112.11	ug/l	94
84) 1,2,4-Trimethylbenzene	12.28	105	299112	118.38	ug/l	98
85) sec-Butylbenzene	12.38	105	505765	104.95	ug/l	96
86) p-Isopropyltoluene	12.54	119	404799	117.22	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	125306	95.91	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	120135	105.65	ug/l	96
89) n-Butylbenzene	12.91	91	376525	134.83	ug/l	96
90) Hexachloroethane	12.99	117	82272	108.54	ug/l	91
91) 1,2-Dichlorobenzene	13.01	146	102600	103.98	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	4607	98.18	ug/l #	73

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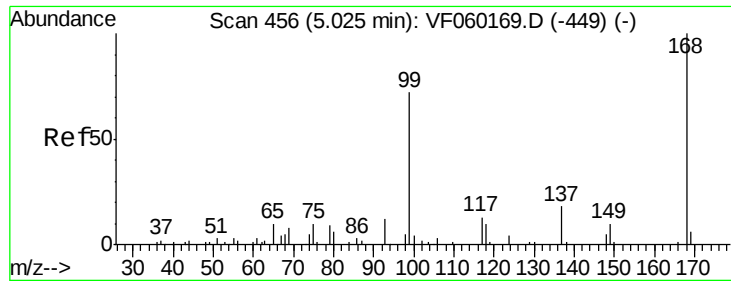
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	56046	146.59	ug/l	95
94) Hexachlorobutadiene	14.25	225	90406	104.42	ug/l	96
95) Naphthalene	14.52	128	45445	175.10	ug/l #	91
96) 1,2,3-Trichlorobenzene	14.67	180	44872	145.82	ug/l	89

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



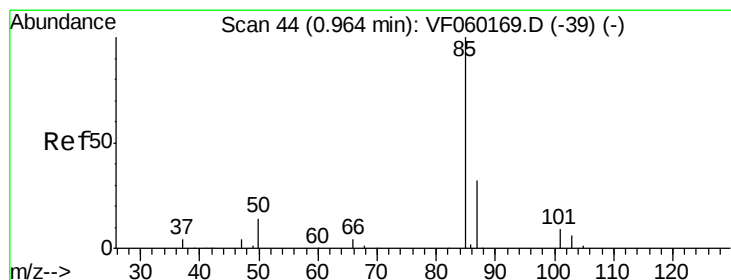
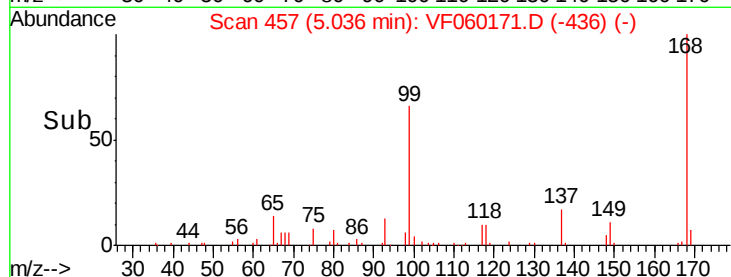
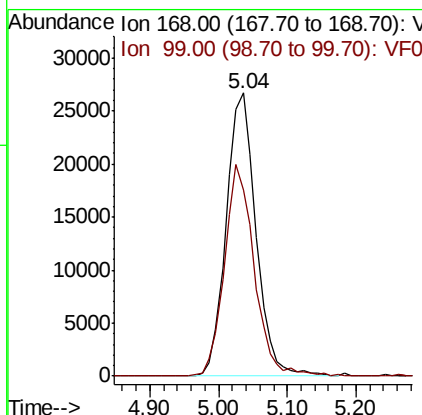
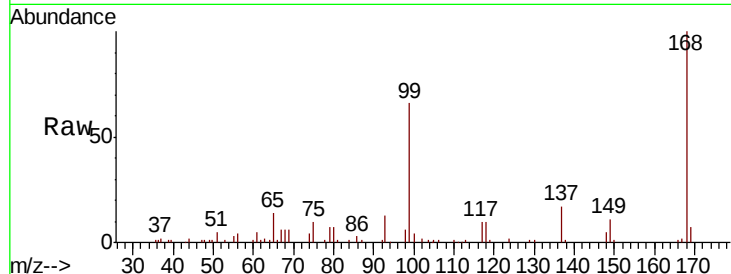
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.04 min Scan# 457
Delta R.T. 0.01 min
Lab File: VF060171.D
Acq: 29 Aug 2018 2:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
168	100		80093		
99	65.9		57.9	86.9	

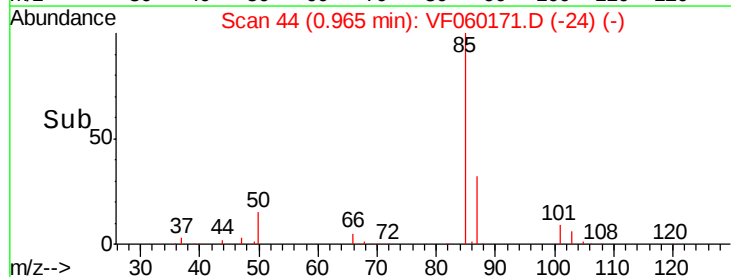
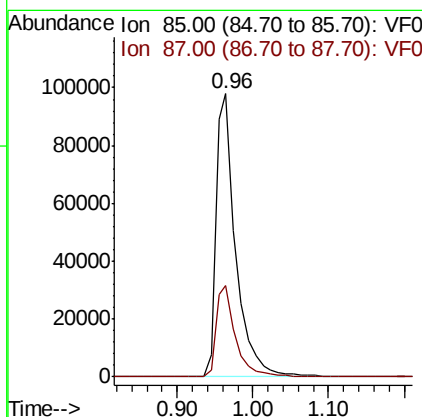
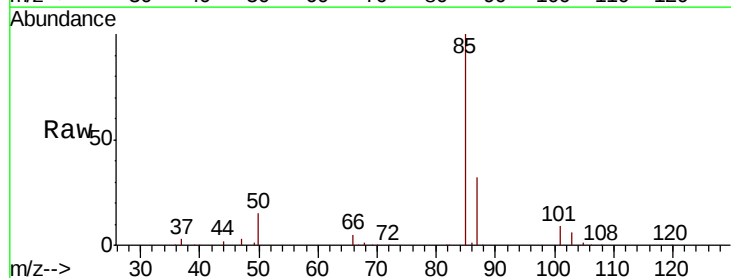
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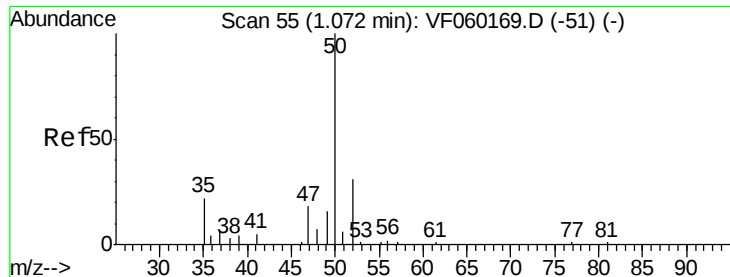
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#2
Dichlorodifluoromethane
Concen: 110.60 ug/l
RT: 0.96 min Scan# 44
Delta R.T. 0.00 min
Lab File: VF060171.D
Acq: 29 Aug 2018 2:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
85	100		179294		
87	32.4		15.9	47.7	





#3

Chloromethane

Concen: 109.78 ug/l

RT: 1.07 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Instrument :

MSVOA_F

ClientSampled :

VSTDIC100

Tot Ion: 50 Resp: 66288

Ion Ratio Lower Upper

50 100

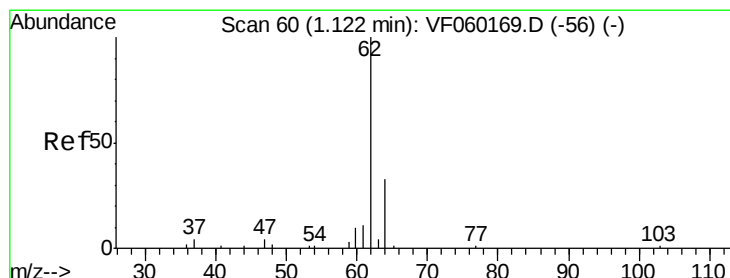
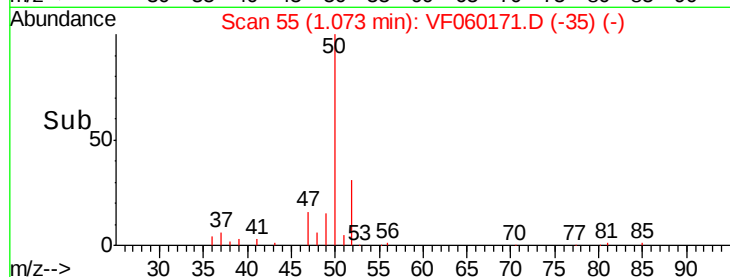
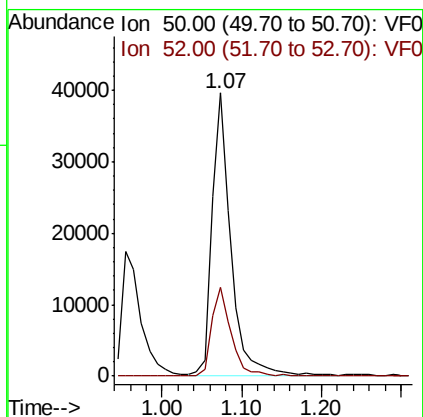
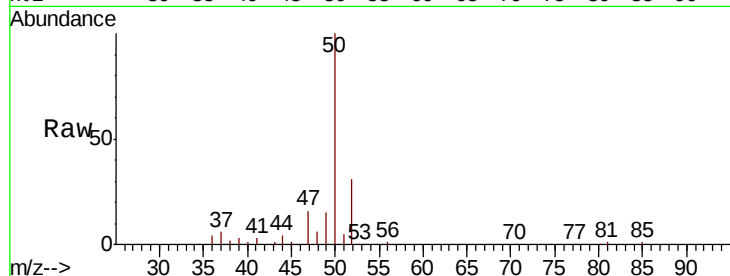
52 31.3 24.4 36.6

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#4

Vinyl Chloride

Concen: 104.75 ug/l

RT: 1.12 min Scan# 60

Delta R.T. 0.00 min

Lab File: VF060171.D

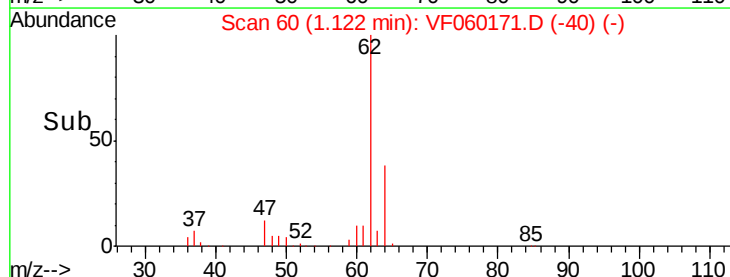
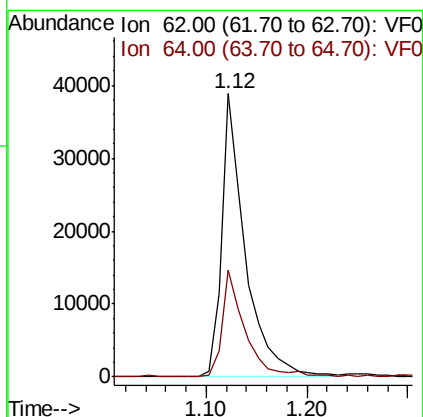
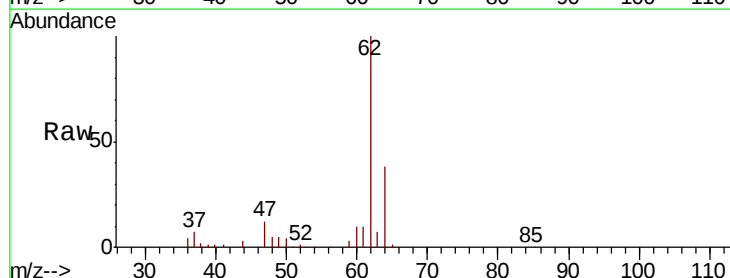
Acq: 29 Aug 2018 2:21

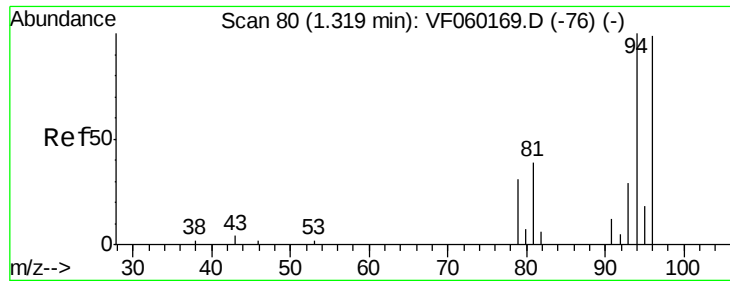
Tgt Ion: 62 Resp: 63206

Ion Ratio Lower Upper

62 100

64 37.7 26.6 39.8





#5

Bromomethane

Concen: 133.43 ug/l

RT: 1.32 min Scan# 80

Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Instrument :

MSVOA_F

ClientSampleId :

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Tot Ion: 94 Resp: 37767

Ion Ratio Lower Upper

94 100

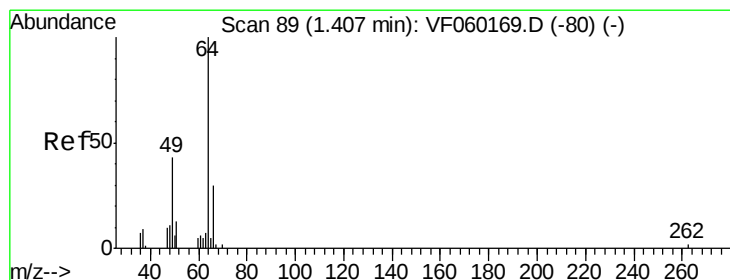
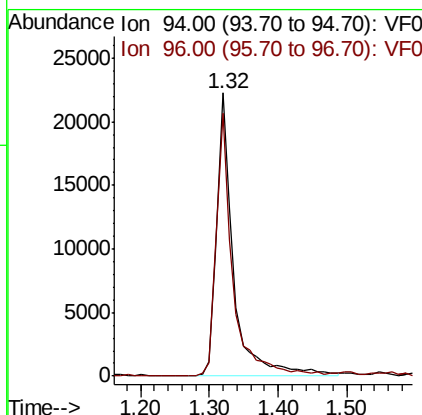
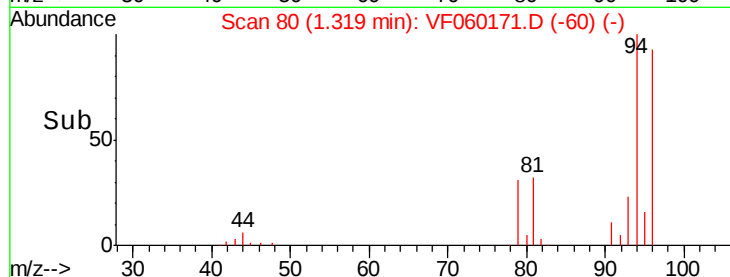
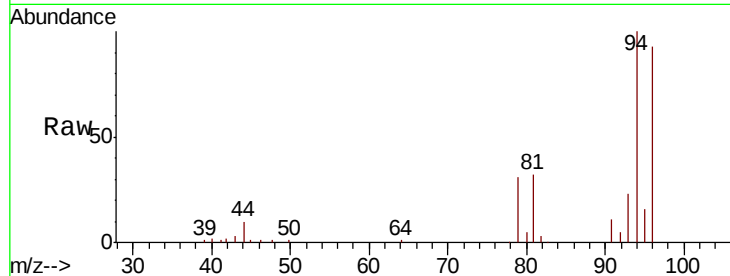
96 92.8 79.0 118.4

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#6

Chloroethane

Concen: 109.54 ug/l

RT: 1.41 min Scan# 89

Delta R.T. 0.00 min

Lab File: VF060171.D

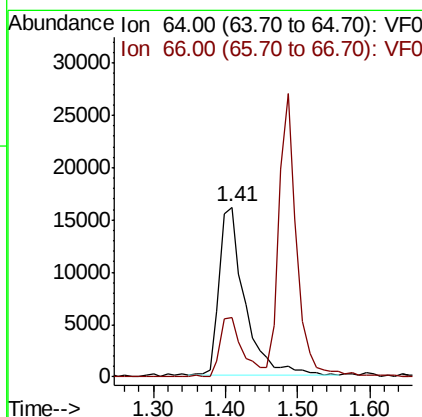
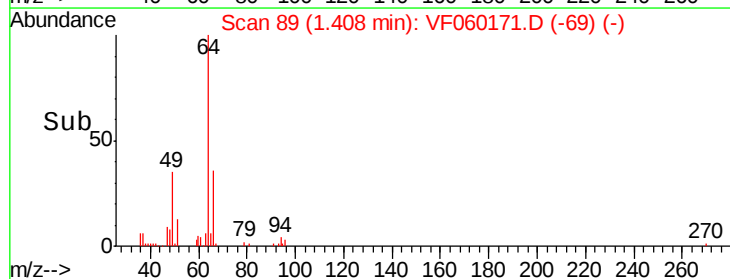
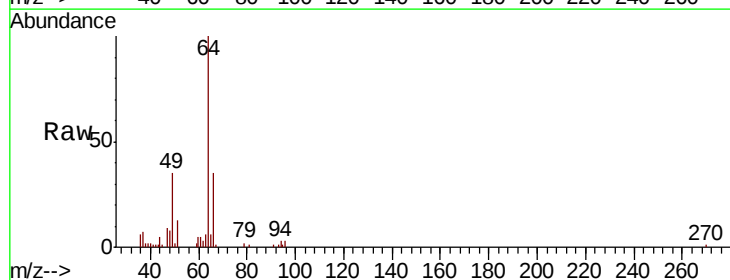
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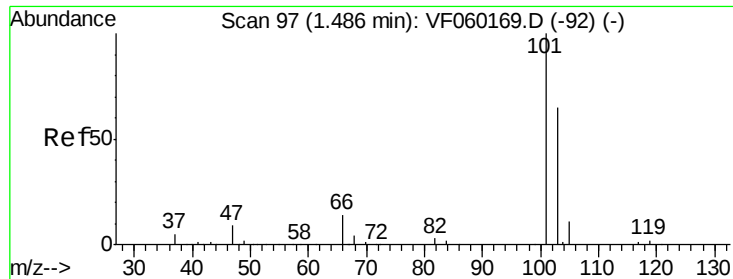
Tgt Ion: 64 Resp: 39087

Ion Ratio Lower Upper

64 100

66 35.0 24.2 36.4





#7

Trichlorofluoromethane

Concen: 107.64 ug/l

RT: 1.49 min Scan# 97

Delta R.T. 0.00 min

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Tot Ion:101 Resp: 300898

Ion Ratio Lower Upper

101 100

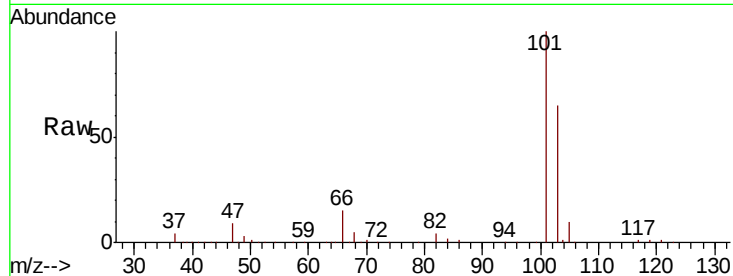
103 64.6 51.8 77.6

Manual Integrations

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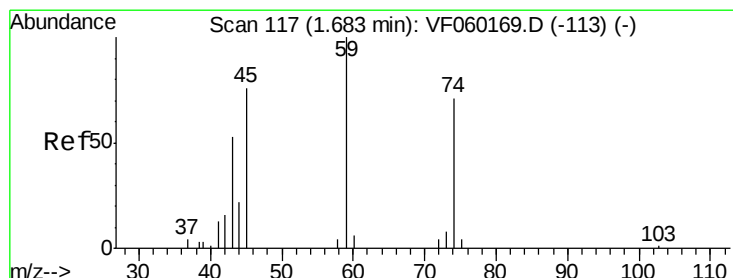
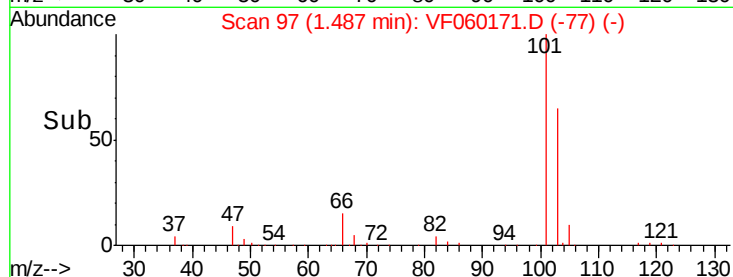
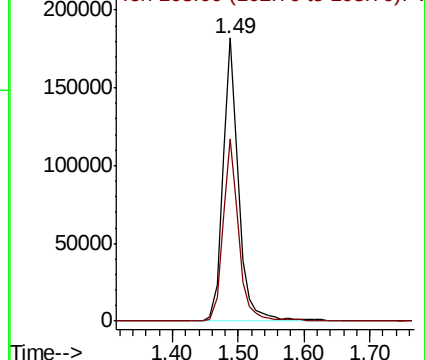
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 114.17 ug/l

RT: 1.68 min Scan# 117

Delta R.T. 0.00 min

Lab File: VF060171.D

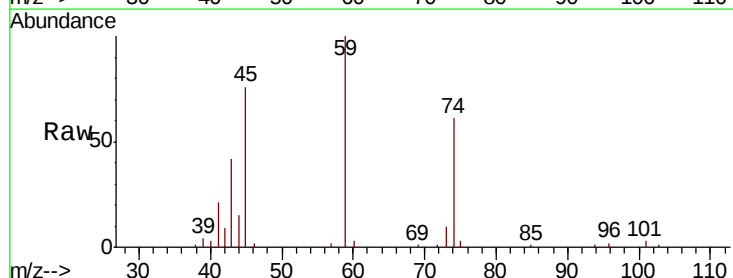
Acq: 29 Aug 2018 2:21

Tgt Ion: 74 Resp: 11368

Ion Ratio Lower Upper

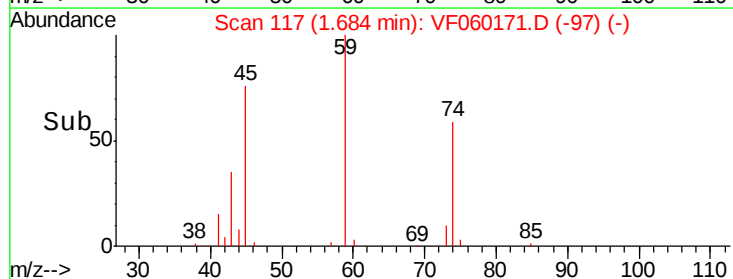
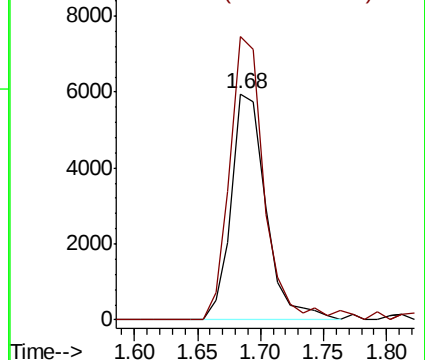
74 100

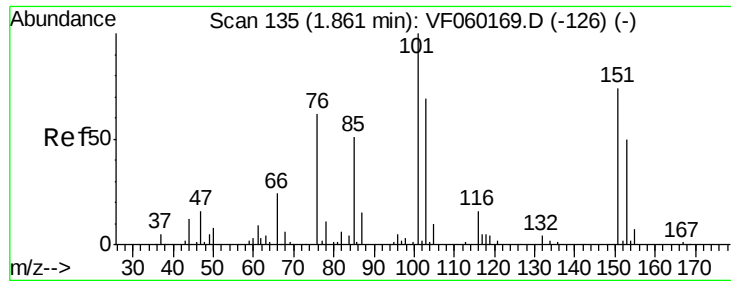
45 125.3 53.5 160.7



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 108.25 ug/l

RT: 1.85 min Scan# 134

Delta R.T. -0.01 min

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MSVOA_F

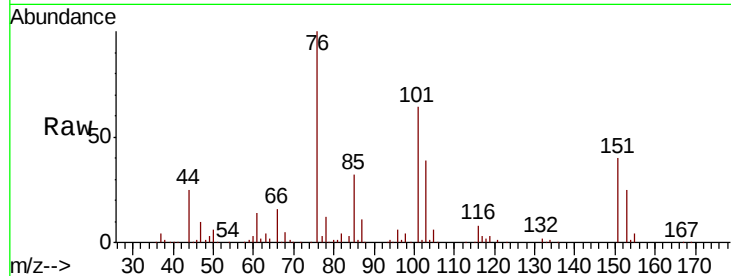
ClientSampleId :

VSTDIC100

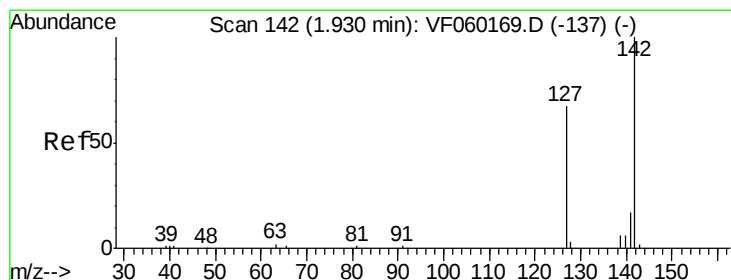
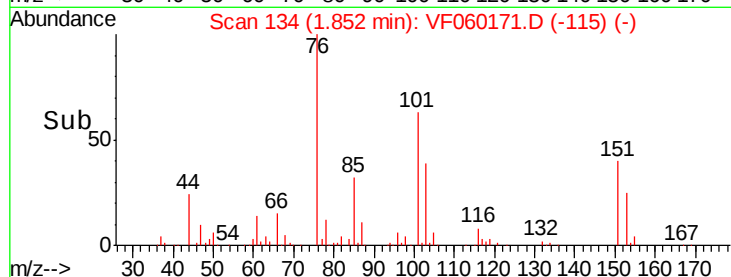
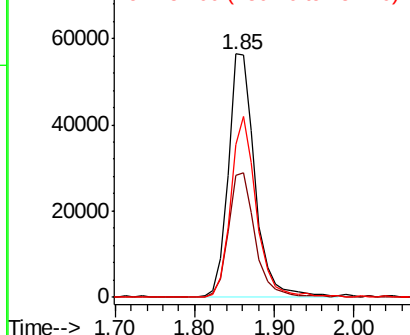
Tot Ion:	101	Resp:	132880
Ion Ratio	Lower	Upper	
101	100		
85	50.3	42.2	63.2
151	62.8	59.2	88.8

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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: 126.07 ug/l

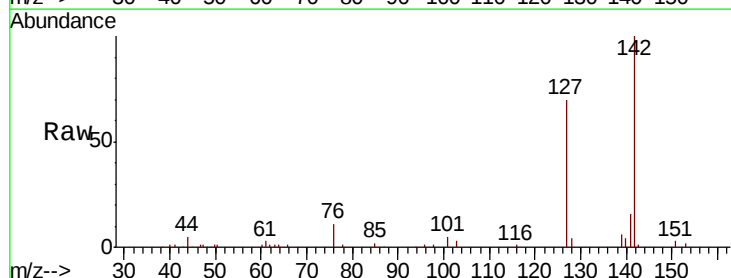
RT: 1.93 min Scan# 142

Delta R.T. 0.00 min

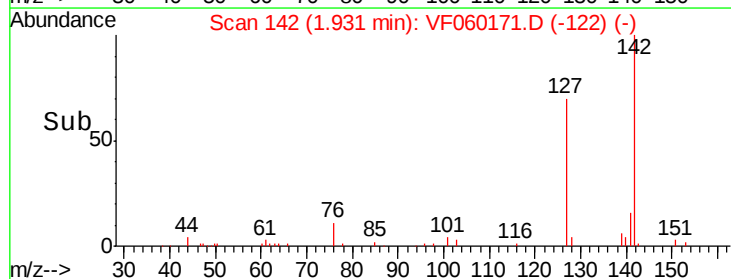
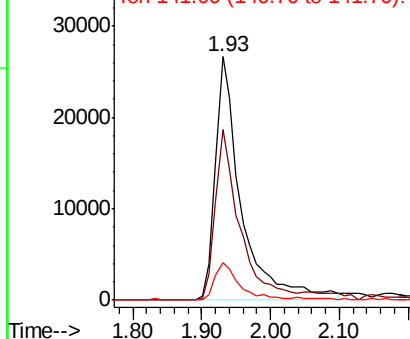
Lab File: VF060171.D

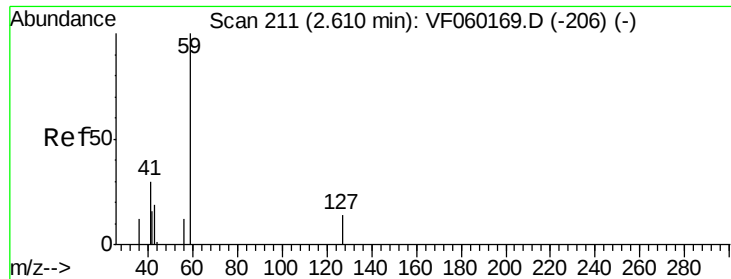
Acq: 29 Aug 2018 2:21

Tgt Ion:	142	Resp:	69688
Ion Ratio	Lower	Upper	
142	100		
127	69.1	53.9	80.9
141	15.4	13.4	20.2



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

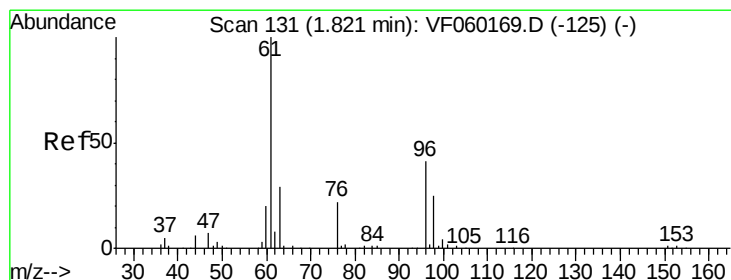
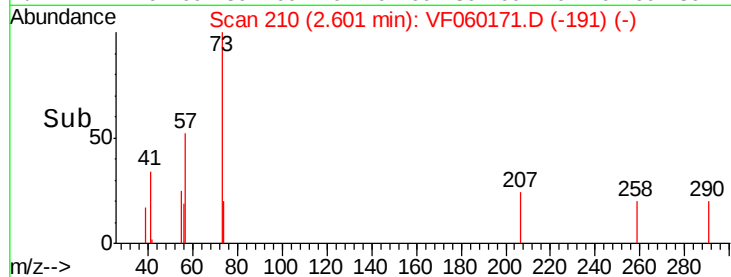
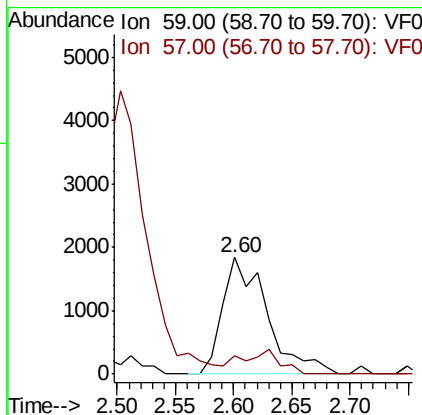
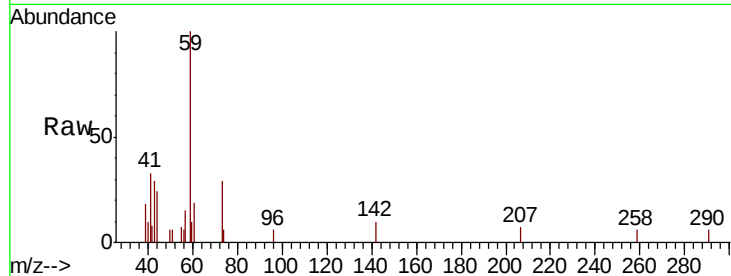
Tert butyl alcohol
Concen: 767.17 ug/l
RT: 2.60 min Scan# 210
Delta R.T. -0.01 min
Lab File: VF060171.D
Acq: 29 Aug 2018 2:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	15.2	11.9	17.9

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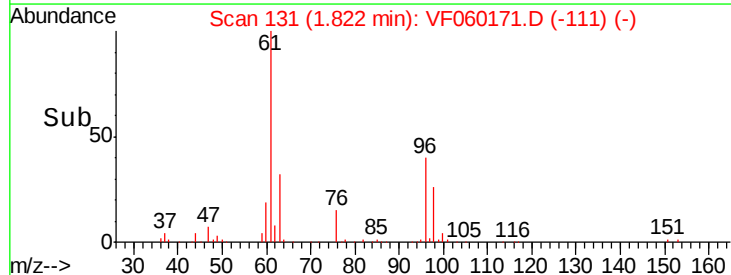
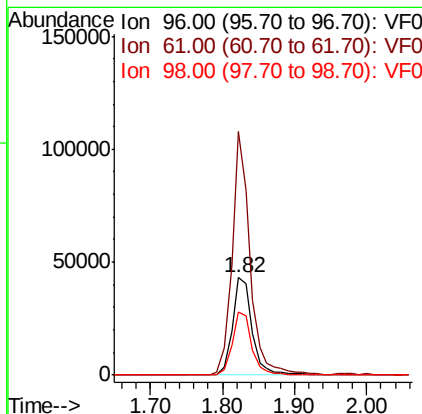
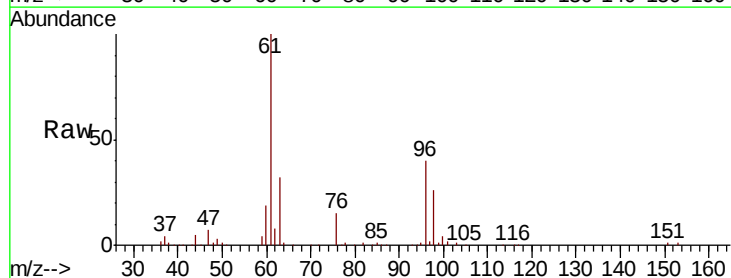
apatel
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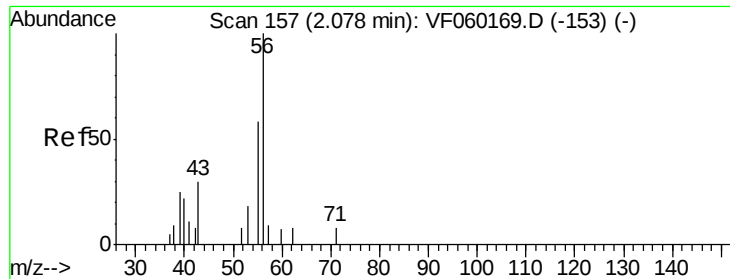


#12

1,1-Dichloroethene
Concen: 109.91 ug/l
RT: 1.82 min Scan# 131
Delta R.T. 0.00 min
Lab File: VF060171.D
Acq: 29 Aug 2018 2:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	249.6	195.2	292.8
98	65.0	49.0	73.6





#13

Acrolein

Concen: 471.61 ug/l

RT: 2.08 min Scan# 157

Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 5008

Ion Ratio Lower Upper

56 100

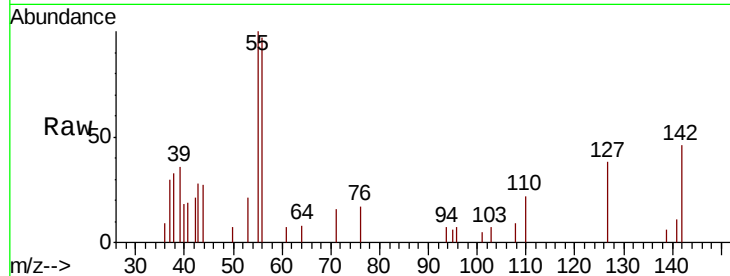
55 103.2 46.4 69.6#

Manual Integrations

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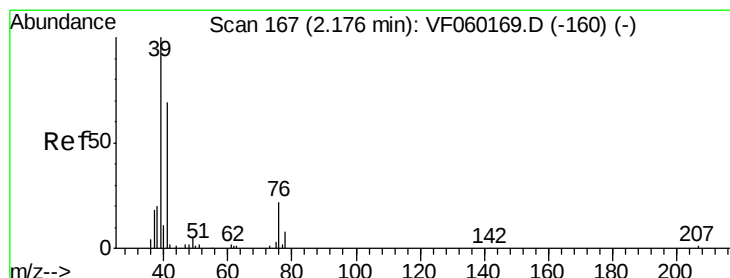
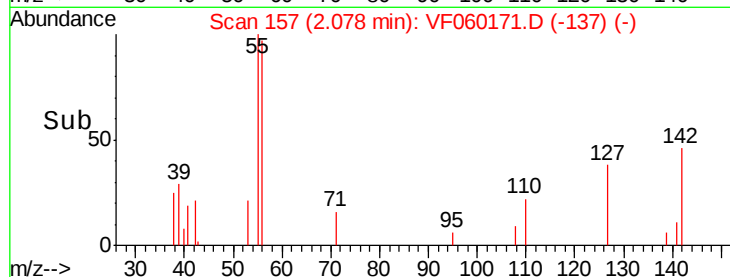
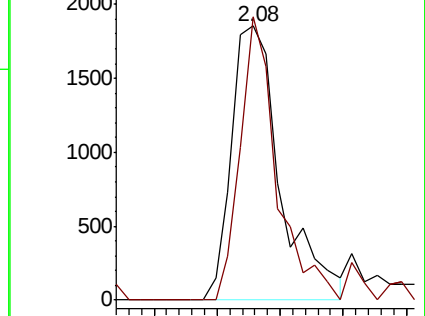
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 128.54 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.01 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

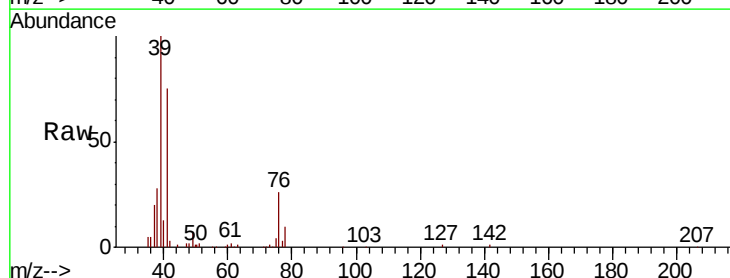
Tgt Ion: 41 Resp: 74956

Ion Ratio Lower Upper

41 100

39 133.3 117.8 176.6

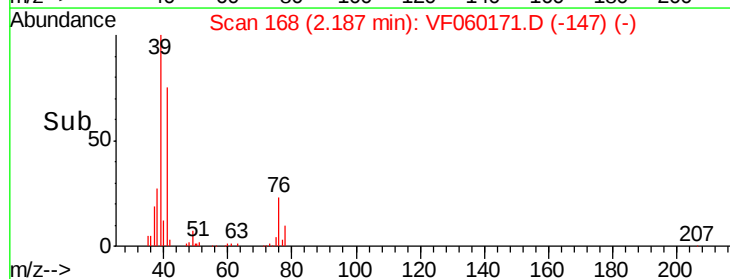
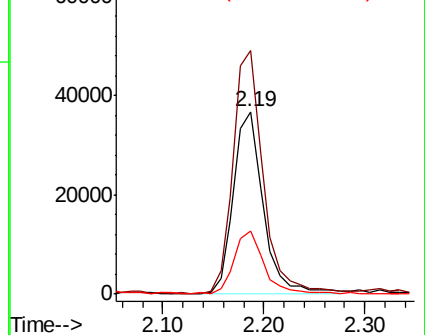
76 34.7 25.9 38.9

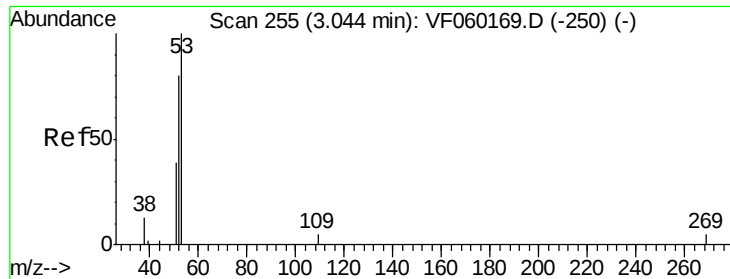


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 582.08 ug/l

RT: 3.04 min Scan# 255

Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Instrument :

MSVOA_F

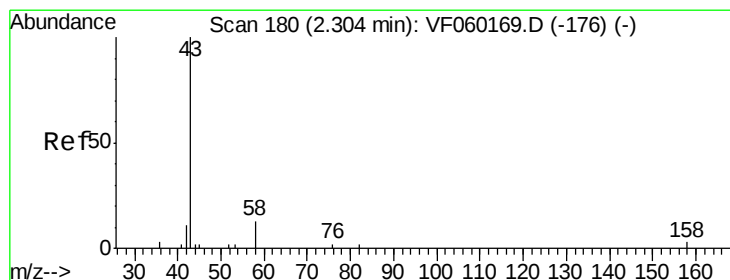
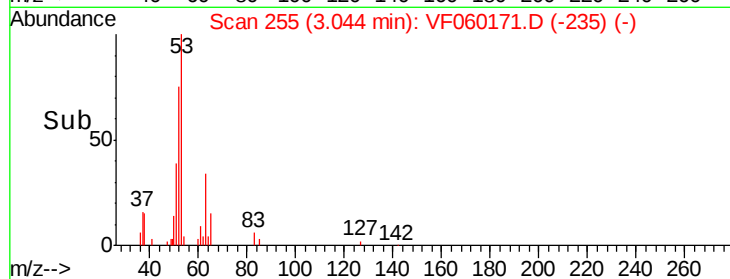
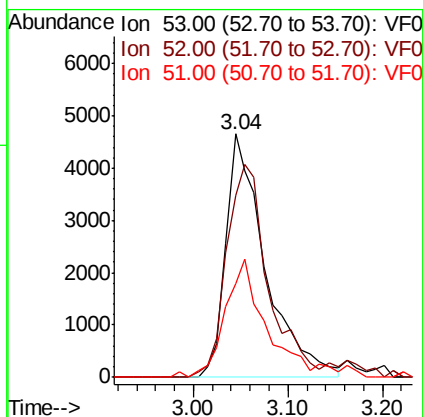
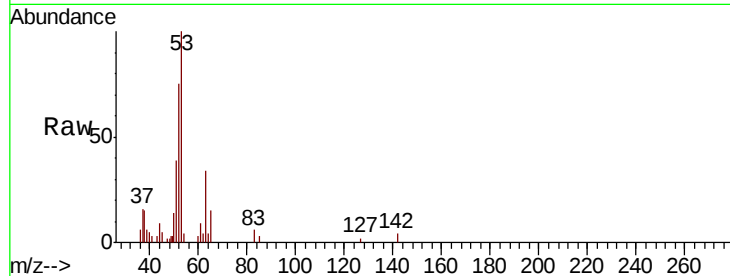
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	13445
Ion Ratio	Lower	Upper	
53	100		
52	75.1	64.4	96.6
51	38.6	31.0	46.4

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#16

Acetone

Concen: 399.38 ug/l

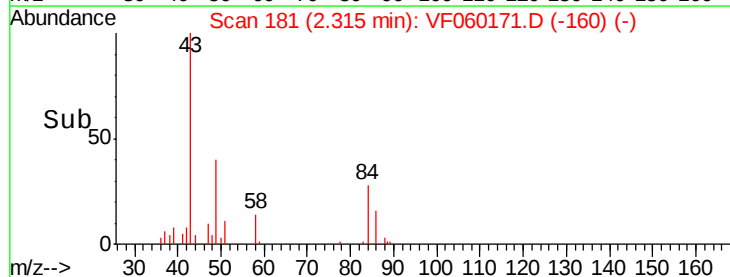
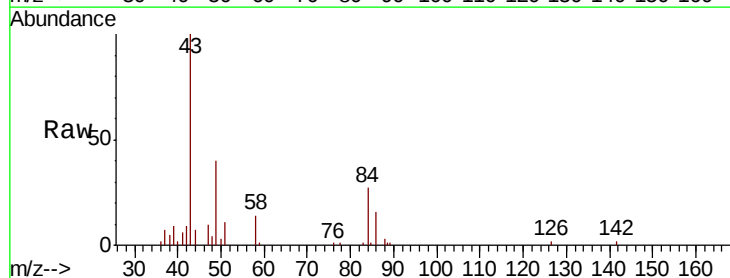
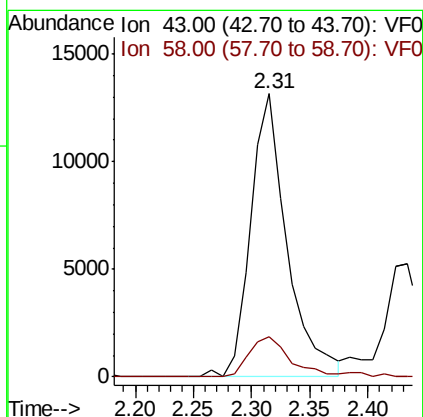
RT: 2.31 min Scan# 181

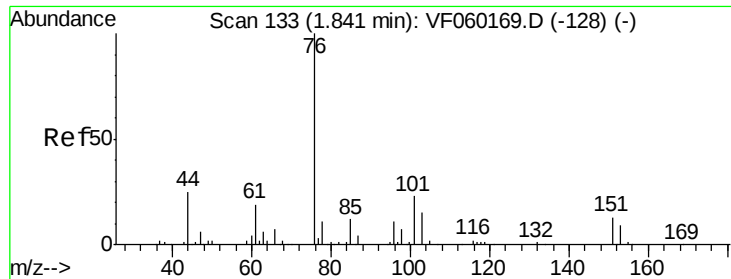
Delta R.T. 0.01 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Tgt Ion:	43	Resp:	28429
Ion Ratio	Lower	Upper	
43	100		
58	14.2	10.7	16.1





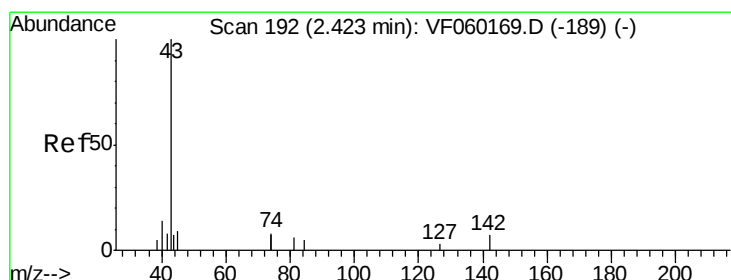
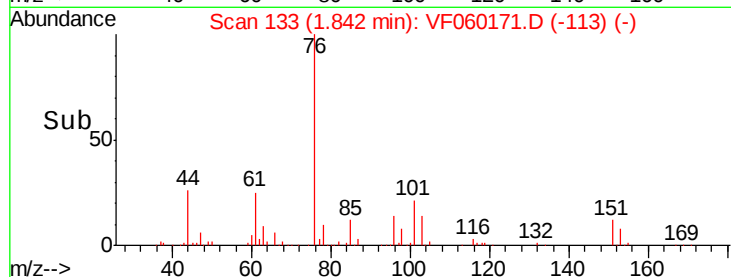
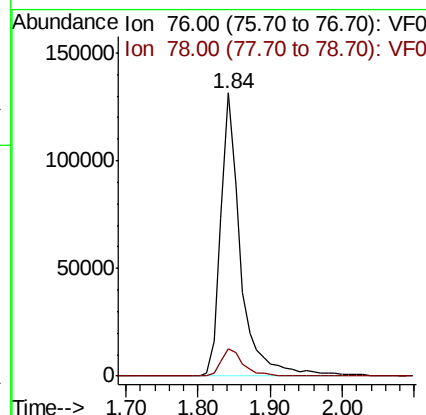
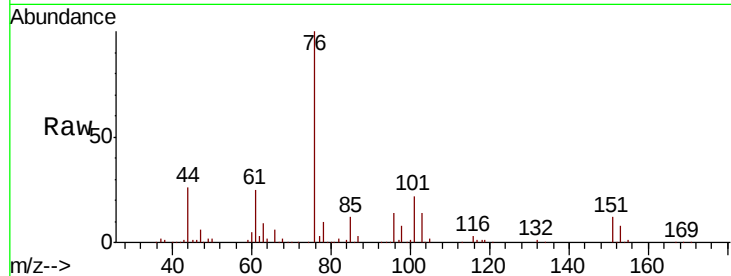
#17
Carbon Disulfide
Concen: 110.92 ug/l
RT: 1.84 min Scan# 133
Delta R.T. 0.00 min
Lab File: VF060171.D
Acq: 29 Aug 2018 2:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	8.6	12.8

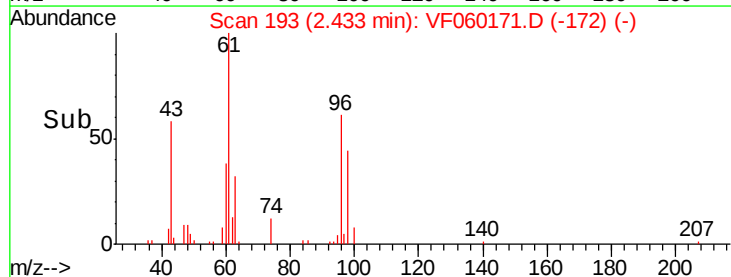
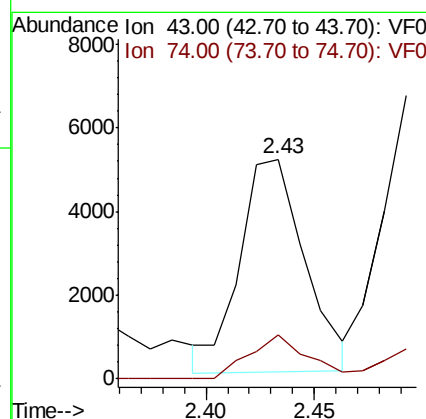
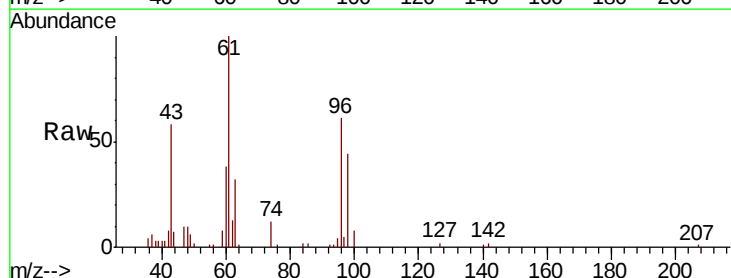
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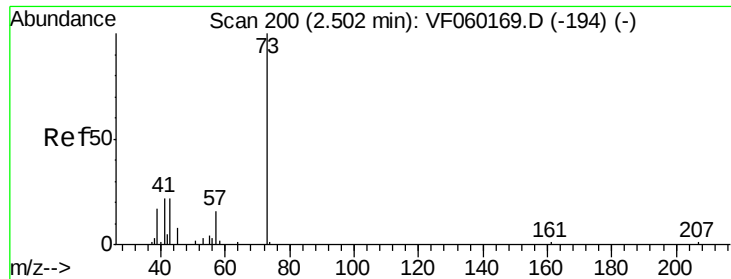
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#18
Methyl Acetate
Concen: 61.30 ug/l
RT: 2.43 min Scan# 193
Delta R.T. 0.01 min
Lab File: VF060171.D
Acq: 29 Aug 2018 2:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.1	10.6	16.0#





#19

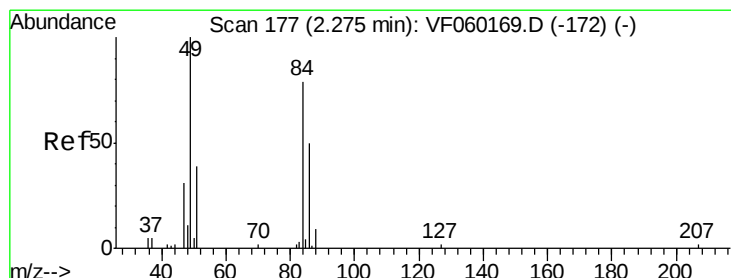
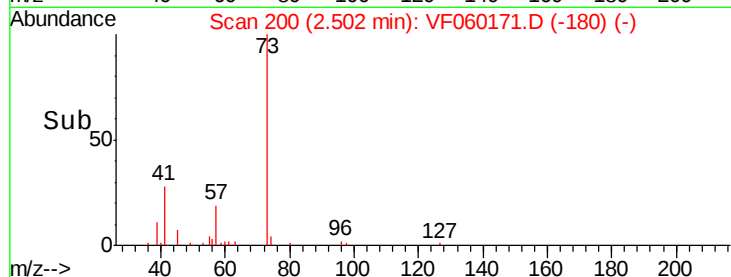
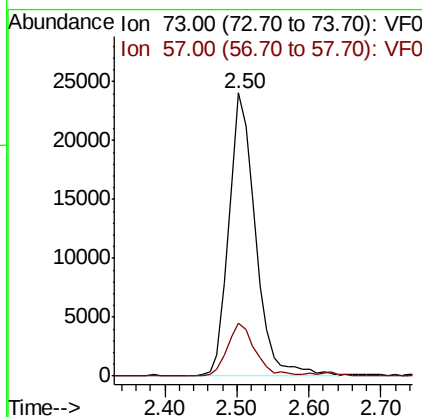
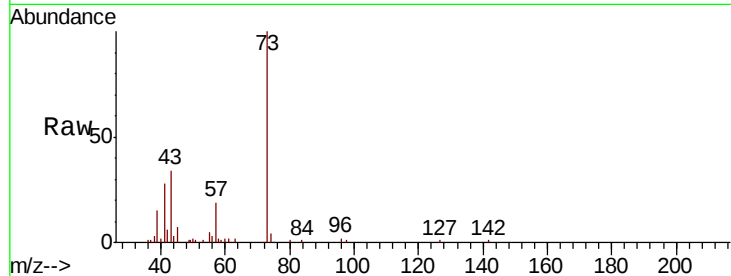
Methyl tert-butyl Ether
 Concen: 115.02 ug/l
 RT: 2.50 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VF060171.D
 Acq: 29 Aug 2018 2:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.6	13.0	19.4

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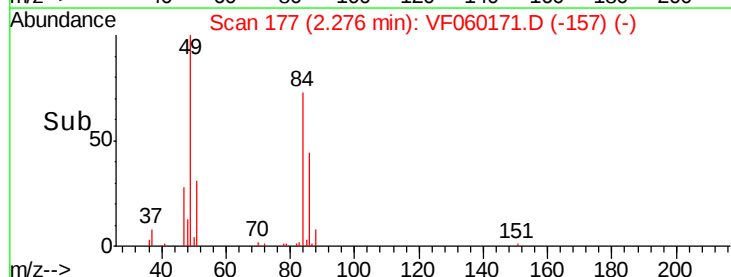
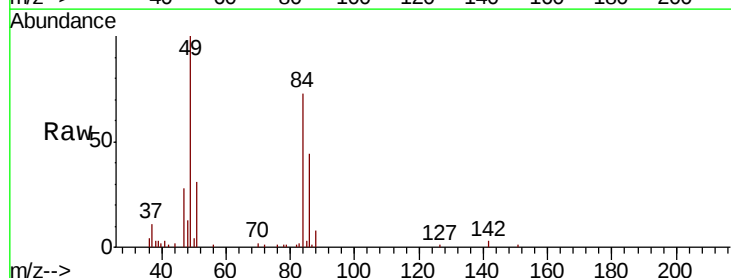
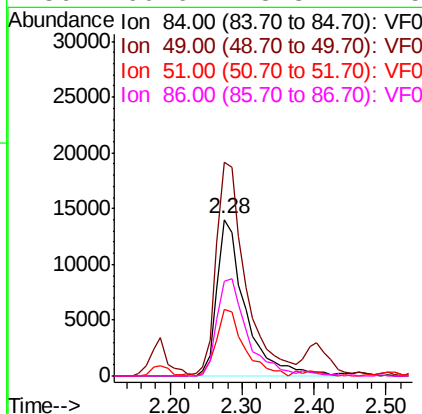
apatel
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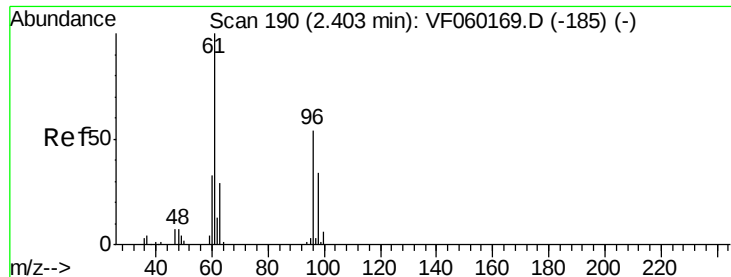


#20

Methylene Chloride
 Concen: 77.88 ug/l
 RT: 2.28 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VF060171.D
 Acq: 29 Aug 2018 2:21

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.4	97.0	145.4
51	42.9	38.2	57.2
86	60.6	48.3	72.5





#21

trans-1,2-Dichloroethene

Concen: 115.72 ug/l

RT: 2.40 min Scan# 190

Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 72482

Ion Ratio Lower Upper

96 100

61 175.3 148.6 222.8

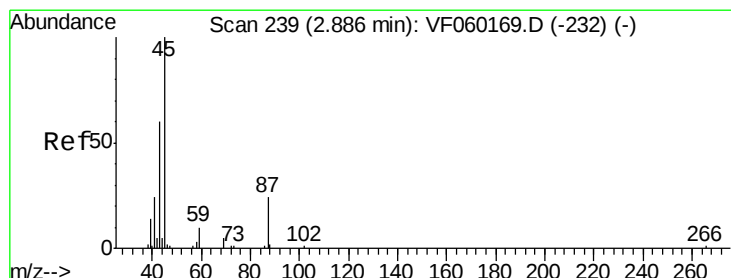
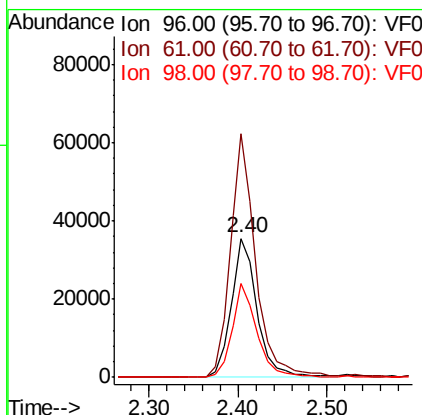
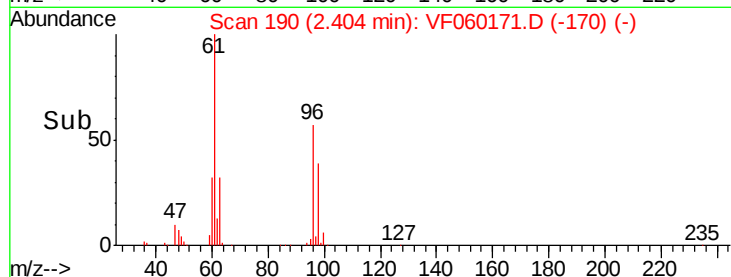
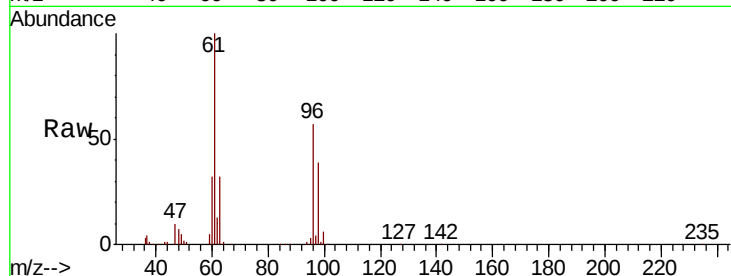
98 67.9 50.4 75.6

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#22

Diisopropyl ether

Concen: 114.43 ug/l

RT: 2.89 min Scan# 239

Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Tgt Ion: 45 Resp: 115727

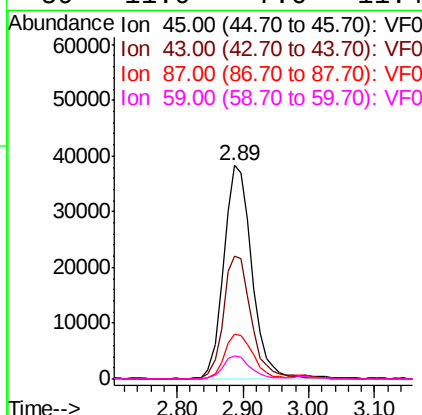
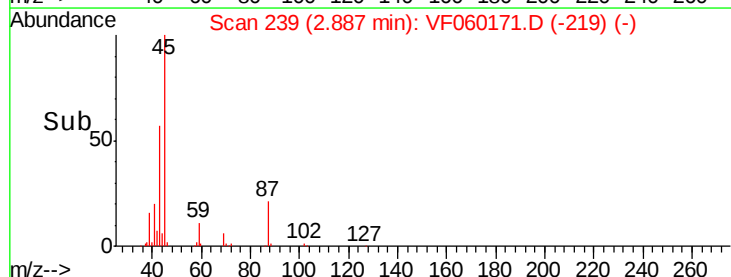
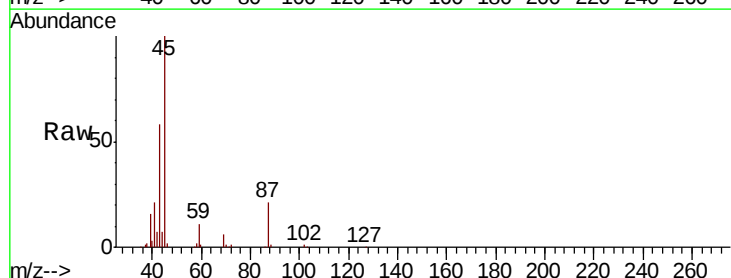
Ion Ratio Lower Upper

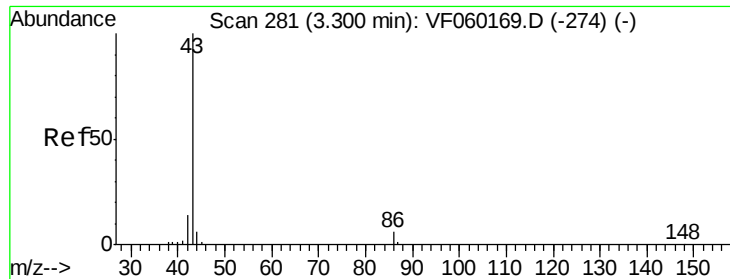
45 100

43 57.8 48.0 72.0

87 21.2 18.9 28.3

59 11.0 7.6 11.4





#23

Vinyl Acetate

Concen: 750.39 ug/l

RT: 3.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 169413

Ion Ratio Lower Upper

43 100

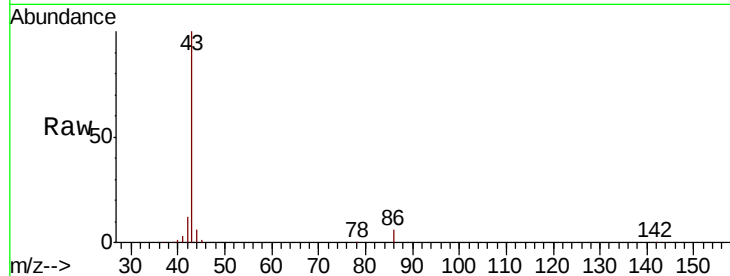
86 6.3 4.9 7.3

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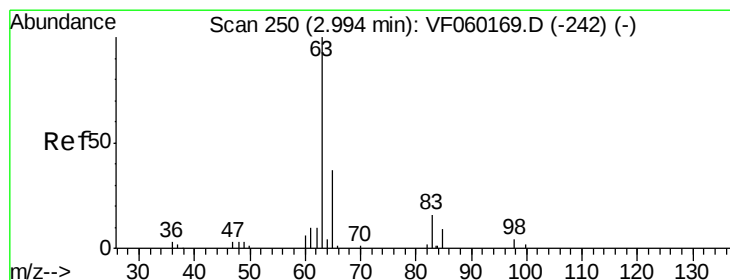
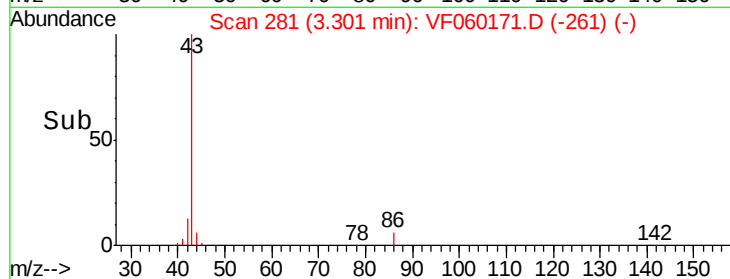
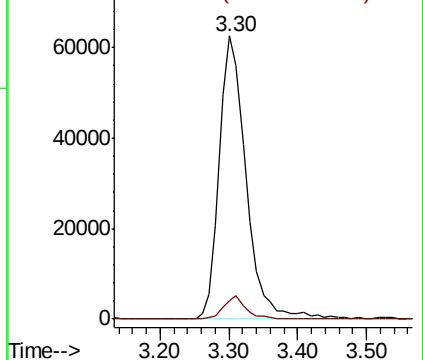
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 108.55 ug/l

RT: 2.99 min Scan# 249

Delta R.T. -0.01 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

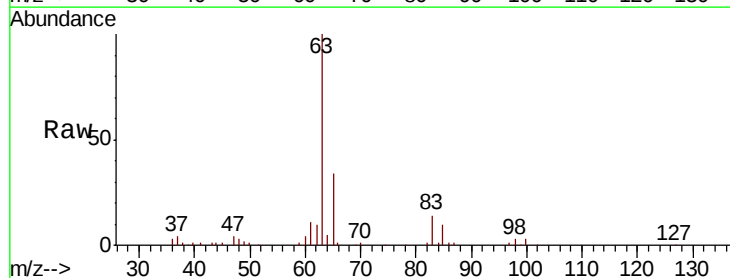
Tgt Ion: 63 Resp: 117030

Ion Ratio Lower Upper

63 100

98 3.0 2.1 6.3

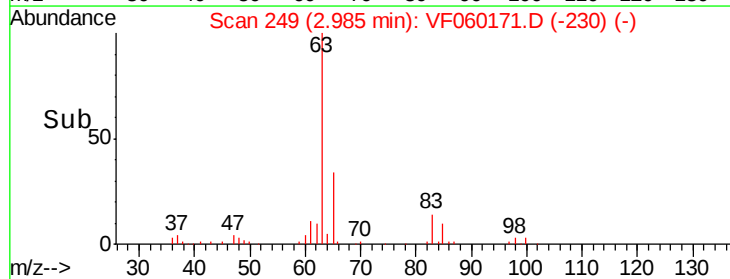
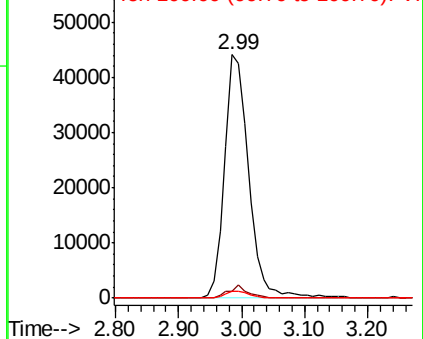
100 2.5 0.9 2.7

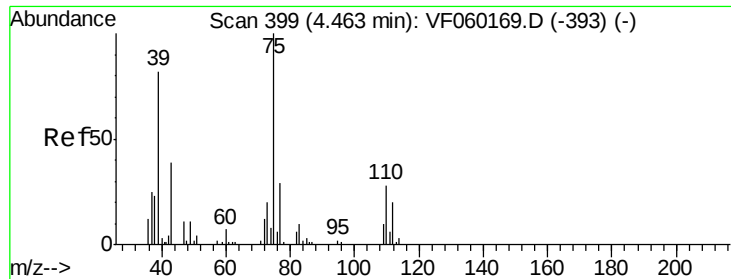


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 556.66 ug/l

RT: 4.46 min Scan# 399

Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 31449

Ion Ratio Lower Upper

43 100

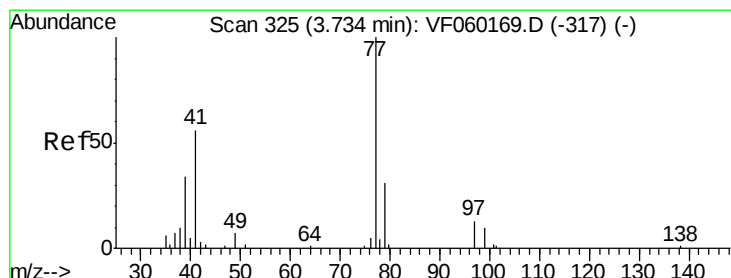
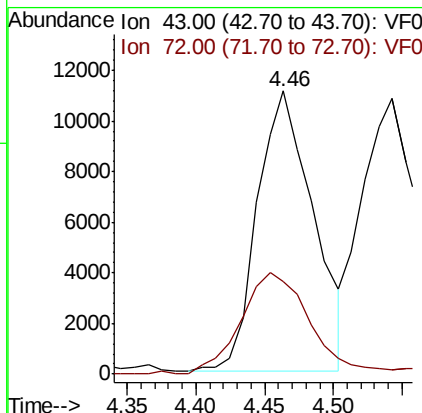
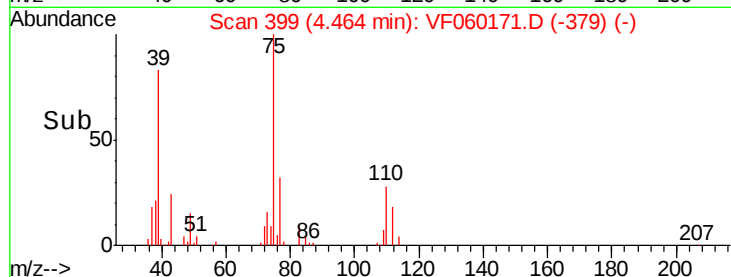
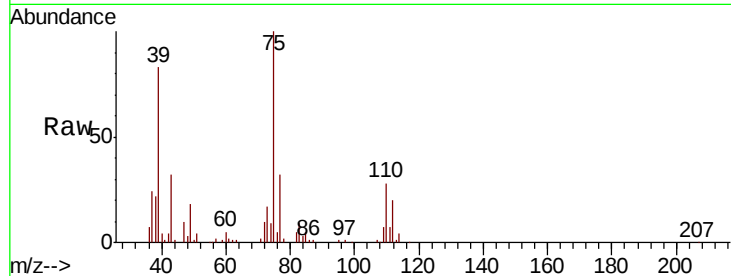
72 32.8 24.2 36.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 129.35 ug/l

RT: 3.74 min Scan# 326

Delta R.T. 0.01 min

Lab File: VF060171.D

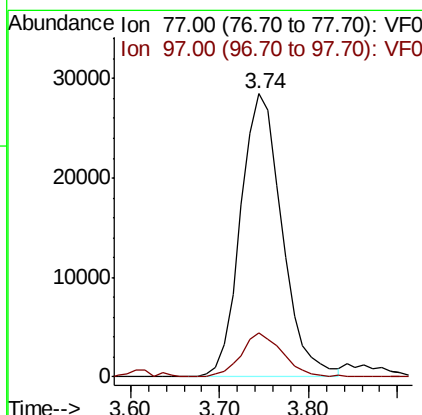
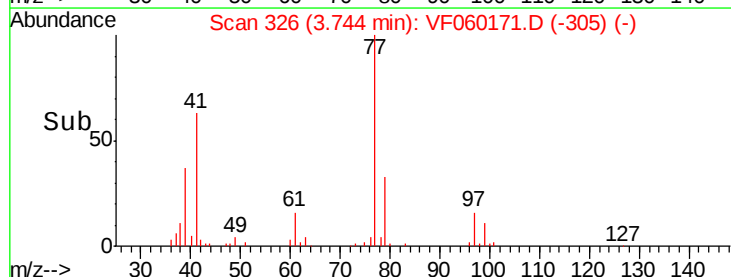
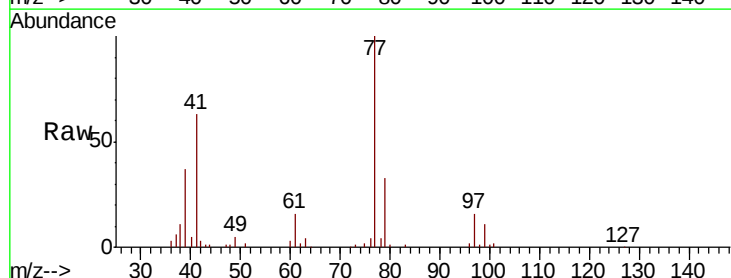
Acq: 29 Aug 2018 2:21

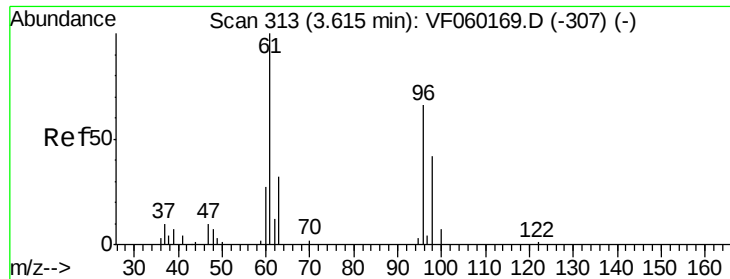
Tgt Ion: 77 Resp: 91937

Ion Ratio Lower Upper

77 100

97 15.7 7.0 21.0





#27

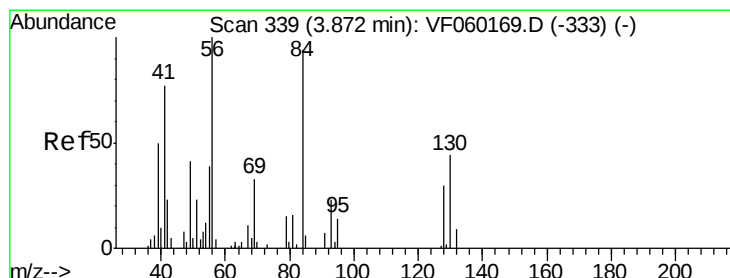
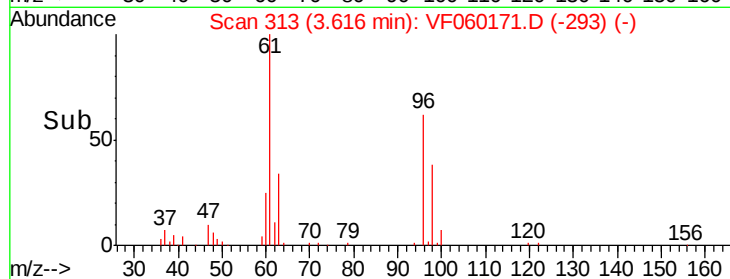
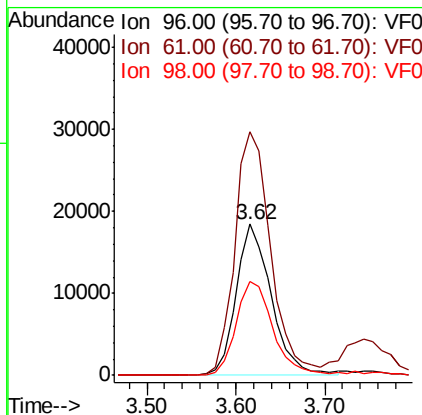
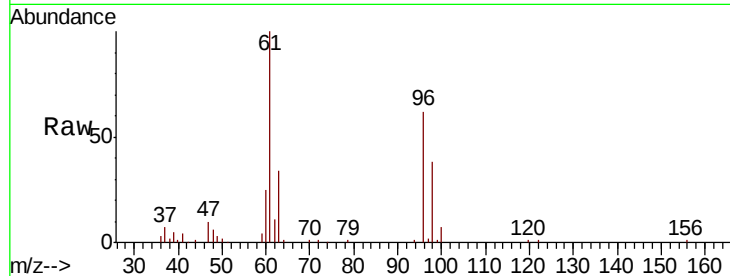
cis-1,2-Dichloroethene
Concen: 115.96 ug/l
RT: 3.62 min Scan# 313
Delta R.T. 0.00 min
Lab File: VF060171.D
Acq: 29 Aug 2018 2:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	161.0	0.0	303.0	
98	62.0	0.0	126.8	

Manual Integrations
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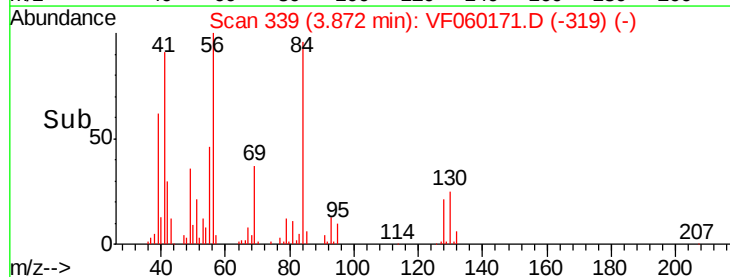
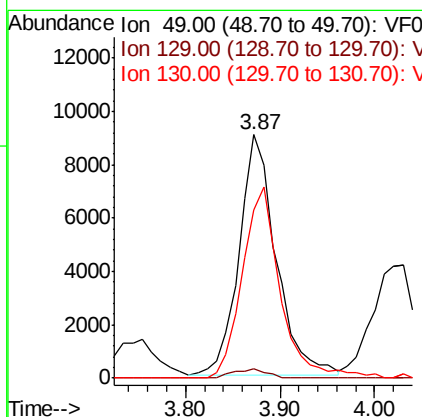
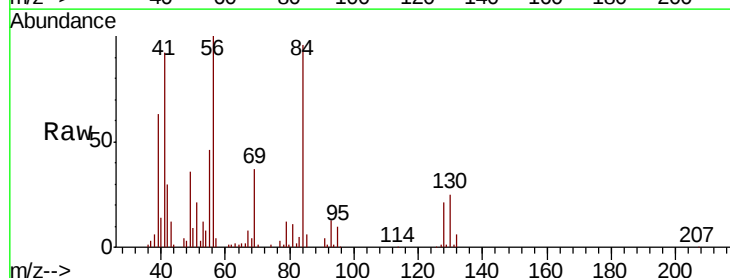
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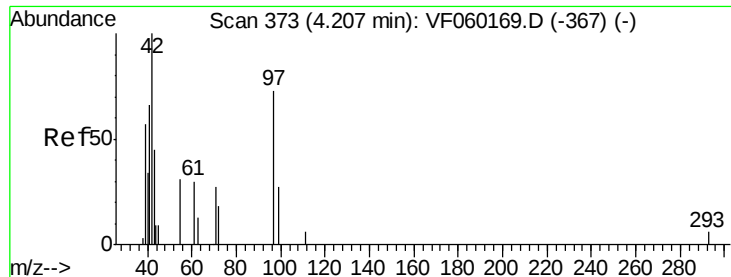


#28

Bromochloromethane
Concen: 102.46 ug/l
RT: 3.87 min Scan# 339
Delta R.T. 0.00 min
Lab File: VF060171.D
Acq: 29 Aug 2018 2:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	3.7	0.0	8.6	
130	68.8	86.0	129.0#	





#29

Tetrahydrofuran

Concen: 612.84 ug/l

RT: 4.22 min Scan# 374

Delta R.T. 0.01 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Instrument :

MSVOA_F

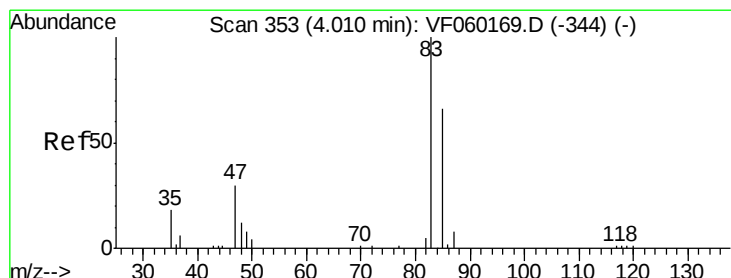
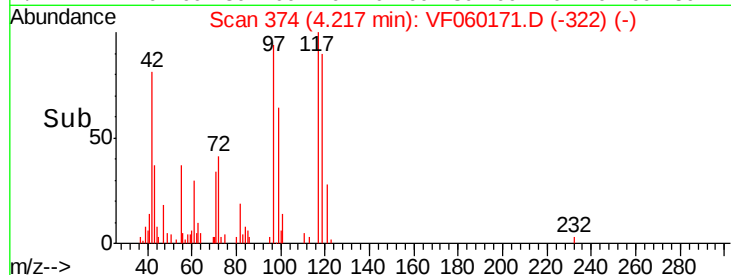
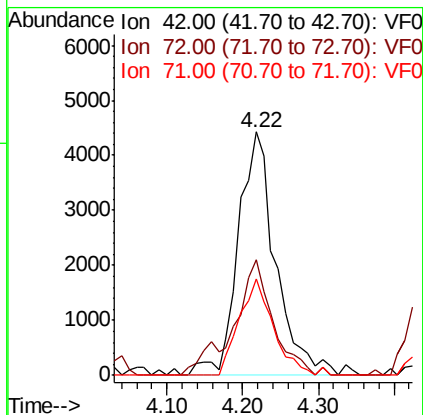
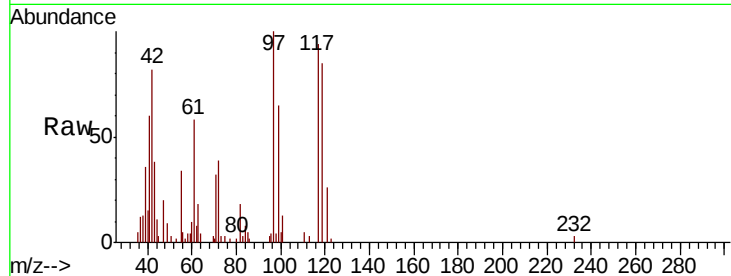
ClientSampleId :

VSTDIC100

Tot Ion:	42	Resp:	15127
Ion Ratio		Lower	Upper
42	100		
72	50.7	27.0	40.4#
71	36.0	24.6	36.8

Manual Integrations
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#30

Chloroform

Concen: 106.13 ug/l

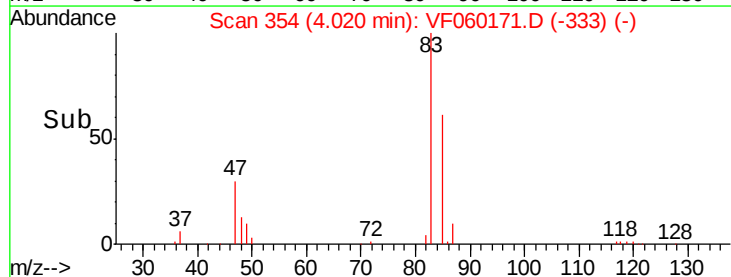
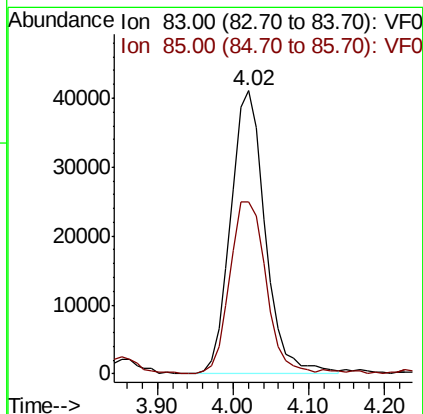
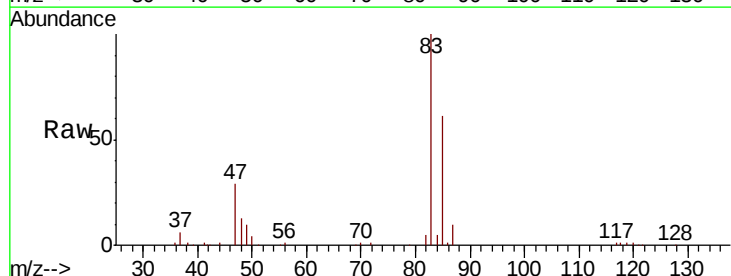
RT: 4.02 min Scan# 354

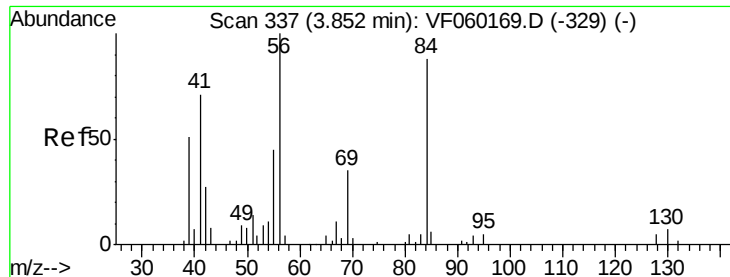
Delta R.T. 0.01 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Tgt Ion:	83	Resp:	129754
Ion Ratio		Lower	Upper
83	100		
85	60.8	52.8	79.2





#31

Cyclohexane

Concen: 128.15 ug/l

RT: 3.85 min Scan# 337

Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Instrument :

MSVOA_F

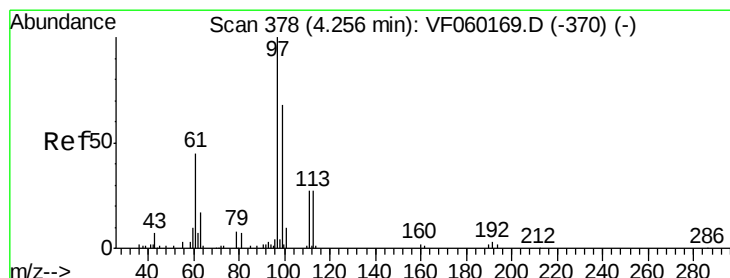
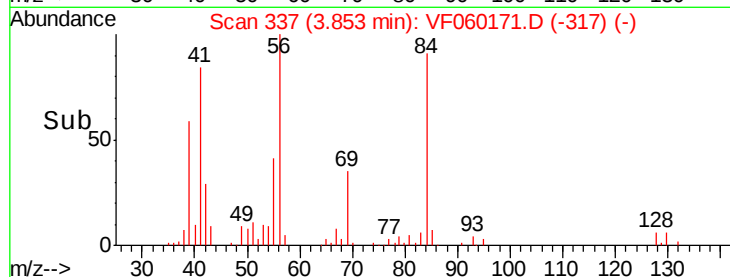
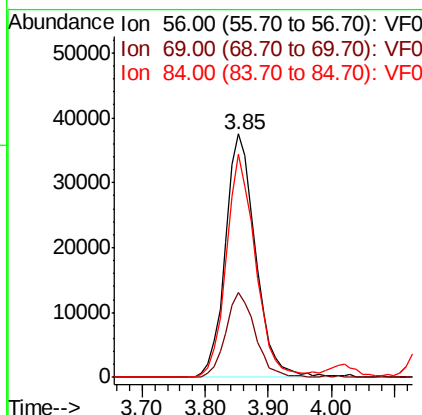
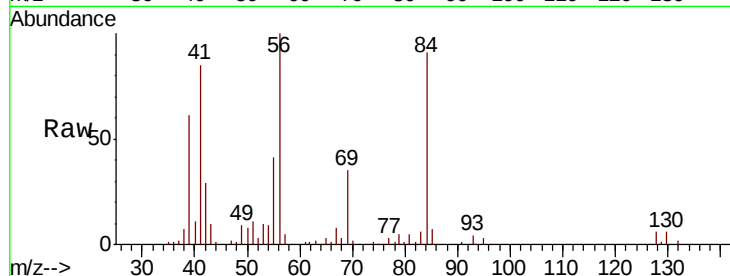
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	124463
Ion Ratio	Lower	Upper	
56	100		
69	34.7	27.7	41.5
84	91.5	70.2	105.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 114.30 ug/l

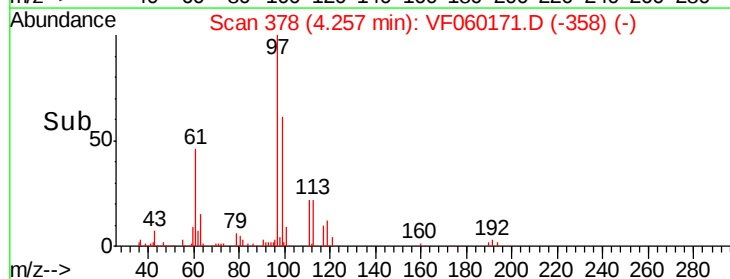
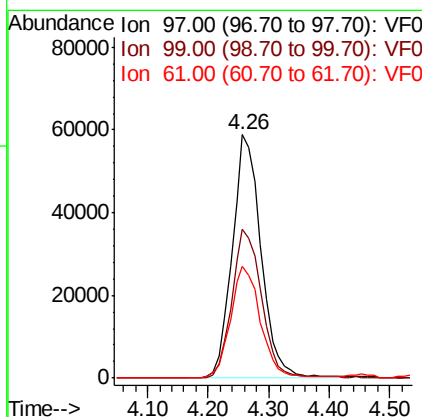
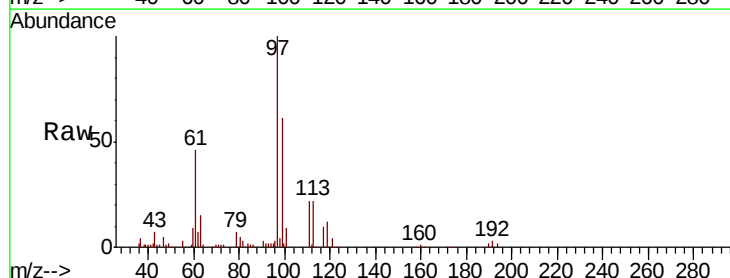
RT: 4.26 min Scan# 378

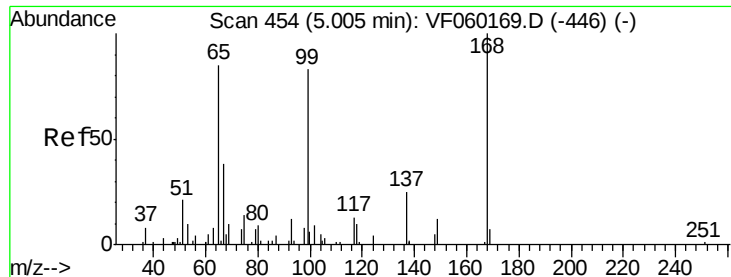
Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Tgt Ion:	97	Resp:	194705
Ion Ratio	Lower	Upper	
97	100		
99	60.9	54.4	81.6
61	46.2	36.2	54.4





#33

1,2-Dichloroethane-d4

Concen: 98.58 ug/l

RT: 5.00 min Scan# 453

Delta R.T. -0.01 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 49271

Ion Ratio Lower Upper

65 100

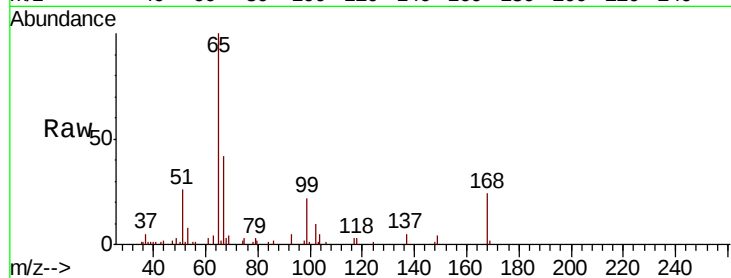
67 42.0 0.0 92.6

Manual Integrations

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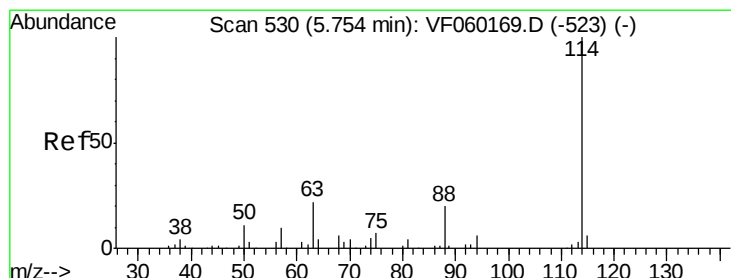
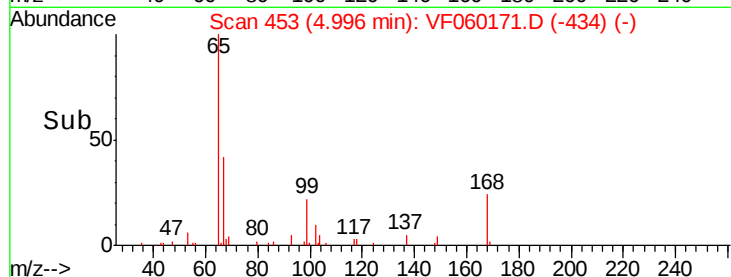
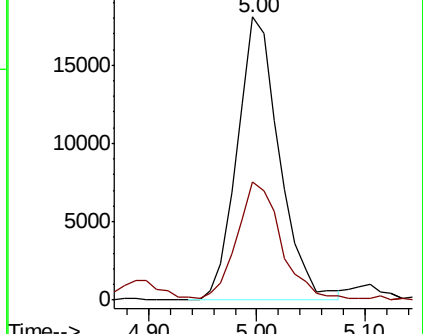
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 530

Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

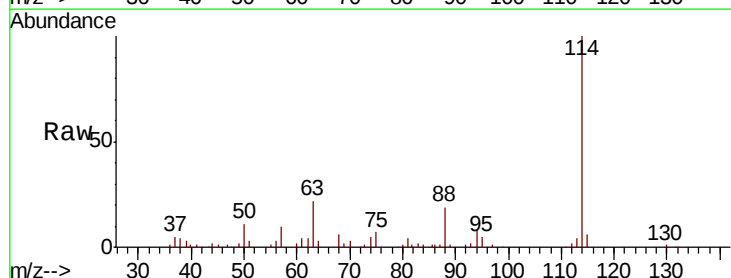
Tgt Ion: 114 Resp: 91294

Ion Ratio Lower Upper

114 100

63 21.6 0.0 45.8

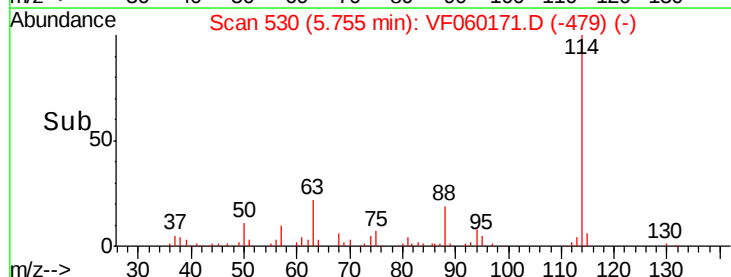
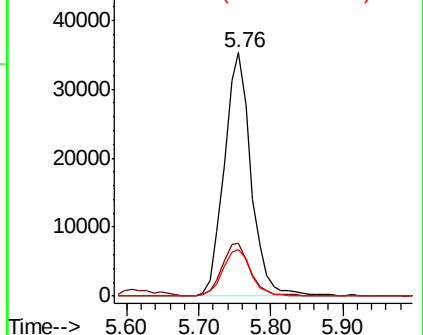
88 18.9 0.0 40.2

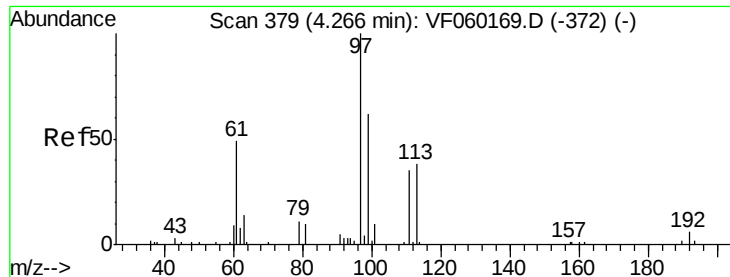


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





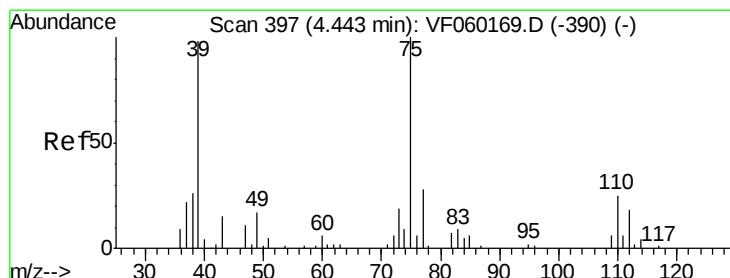
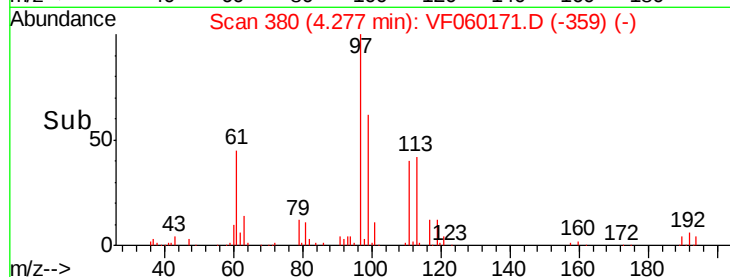
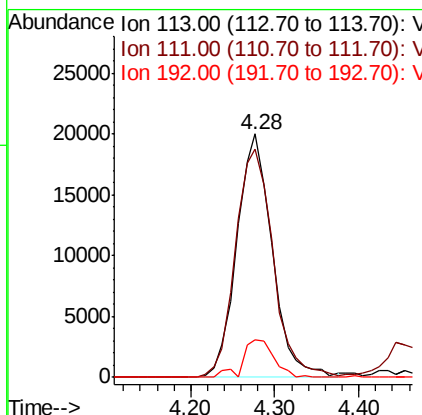
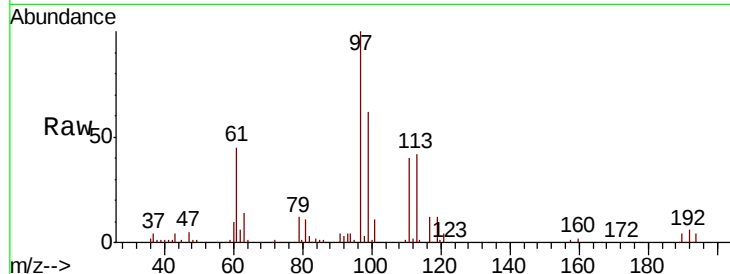
#35
 Dibromofluoromethane
 Concen: 101.81 ug/l
 RT: 4.28 min Scan# 380
 Delta R.T. 0.01 min
 Lab File: VF060171.D
 Acq: 29 Aug 2018 2:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	58737		
111	93.9	75.5	113.3	
192	15.2	12.5	18.7	

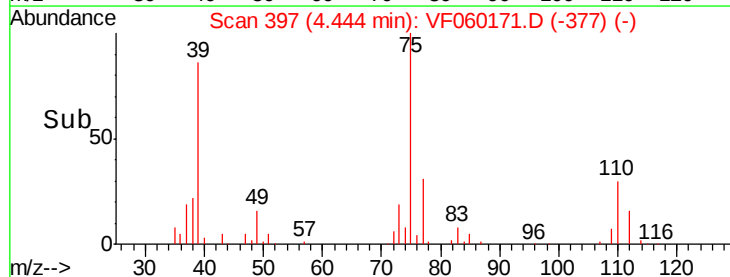
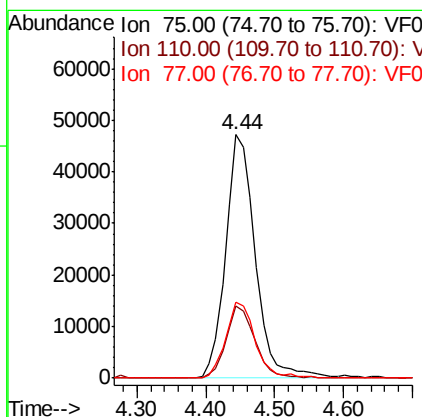
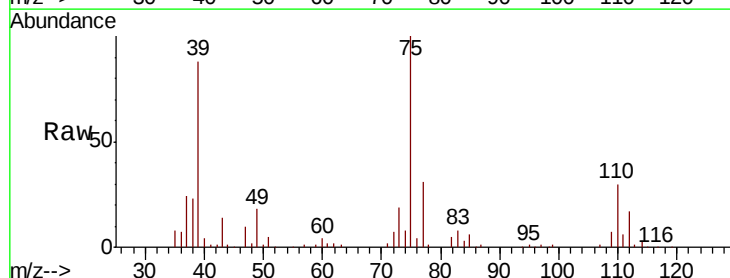
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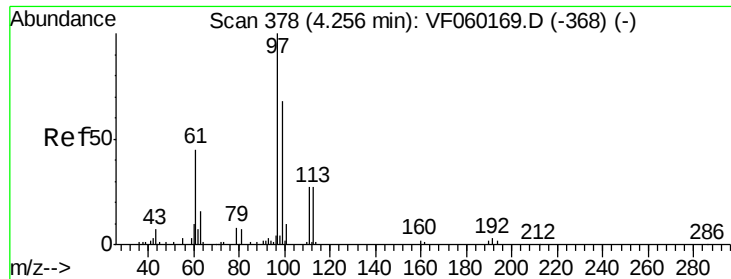
apatel
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#36
 1,1-Dichloropropene
 Concen: 118.20 ug/l
 RT: 4.44 min Scan# 397
 Delta R.T. 0.00 min
 Lab File: VF060171.D
 Acq: 29 Aug 2018 2:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	140854		
110	29.6	12.6	37.6	
77	31.0	22.2	33.4	





#37

Ethyl Acetate

Concen: 125.65 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.01 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Instrument :

MSVOA_F

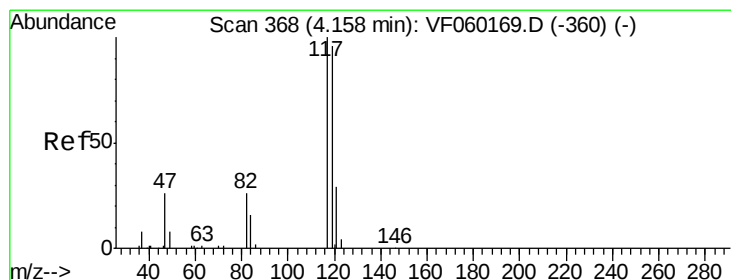
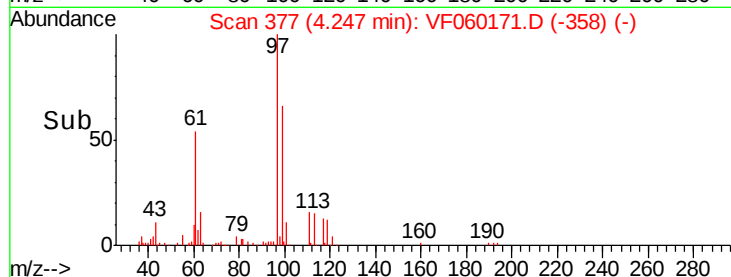
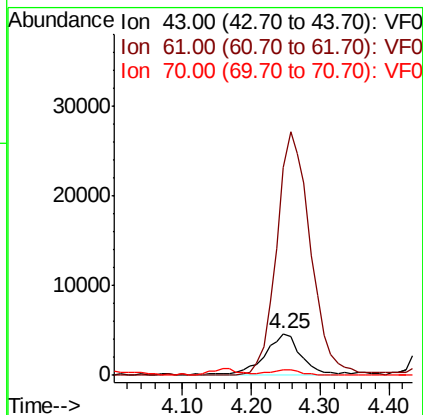
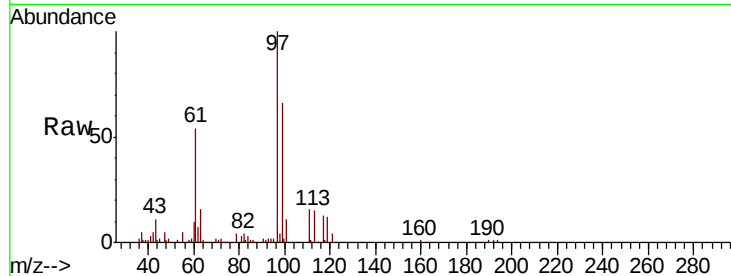
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	17347
Ion Ratio	Lower	Upper	
43	100		
61	497.8	517.6	776.4#
70	14.6	15.4	23.2#

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#38

Carbon Tetrachloride

Concen: 120.01 ug/l

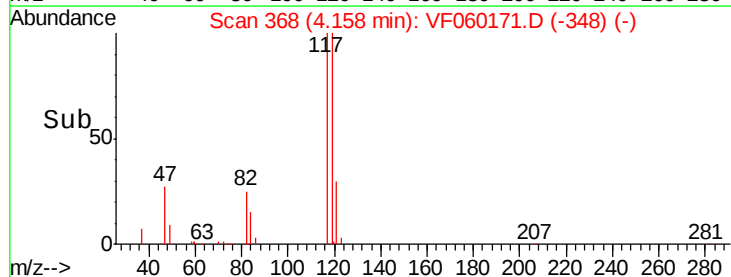
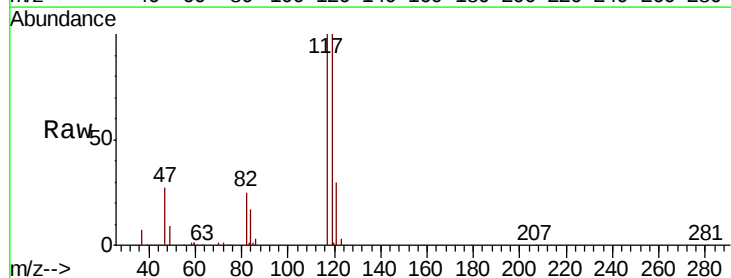
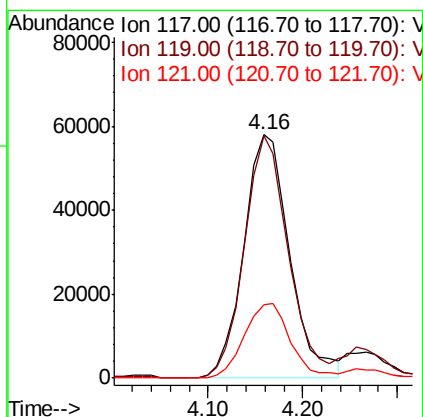
RT: 4.16 min Scan# 368

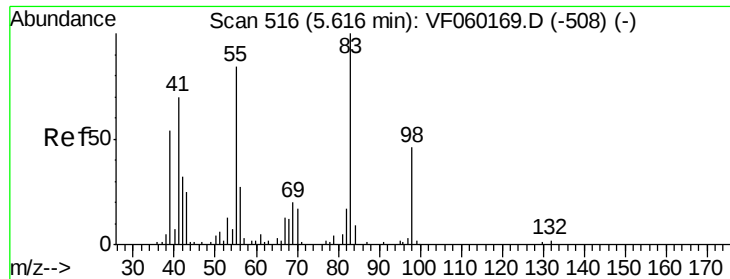
Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Tgt Ion:	117	Resp:	195894
Ion Ratio	Lower	Upper	
117	100		
119	99.6	76.8	115.2
121	30.3	22.9	34.3





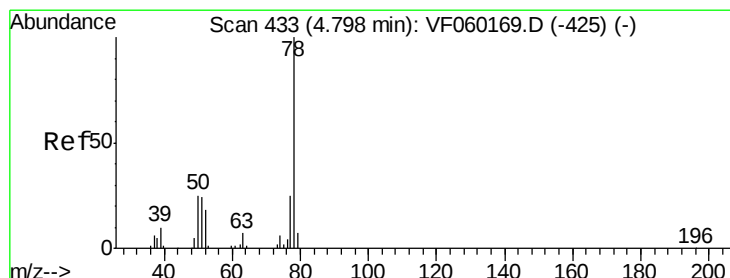
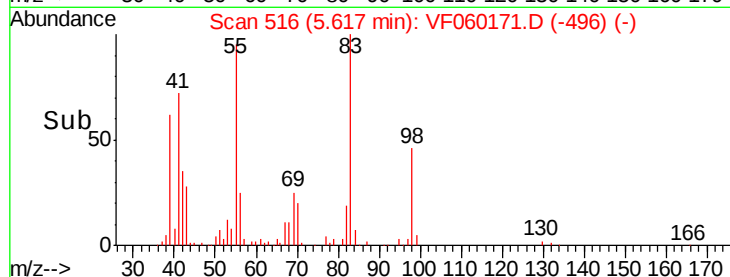
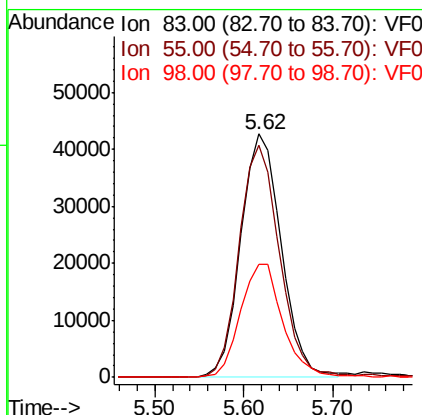
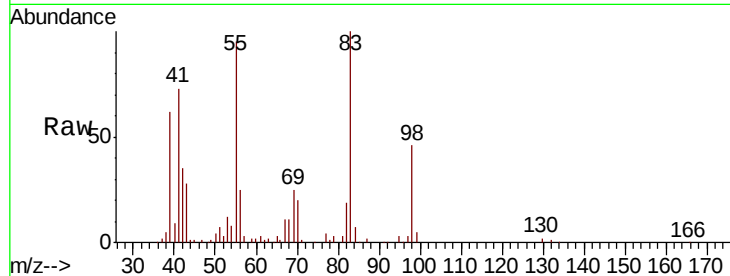
#39
Methvlcvclohexane
Concen: 118.05 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF060171.D
Acq: 29 Aug 2018 2:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	95.2	67.4	101.2
98	46.4	37.0	55.6

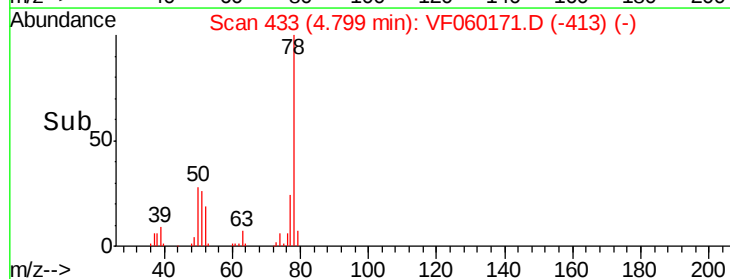
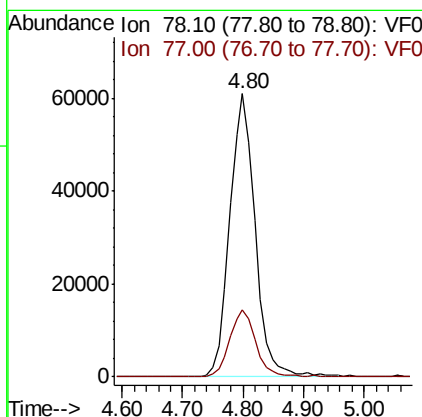
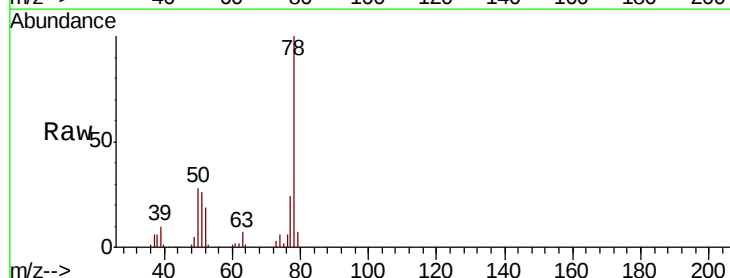
Manual Integrations
APPROVED

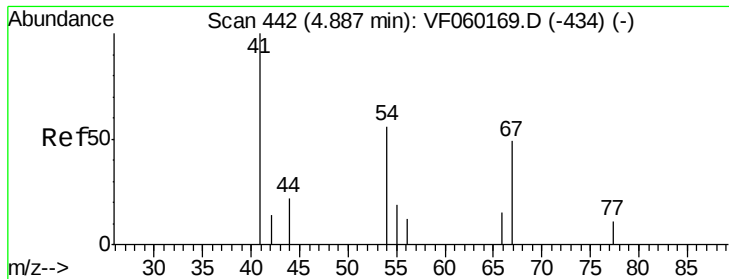
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#40
Benzene
Concen: 106.69 ug/l
RT: 4.80 min Scan# 433
Delta R.T. 0.00 min
Lab File: VF060171.D
Acq: 29 Aug 2018 2:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	20.2	30.2





#41

Methacrylonitrile

Concen: 120.73 ug/l

RT: 4.89 min Scan# 442

Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Instrument :

MSVOA_F

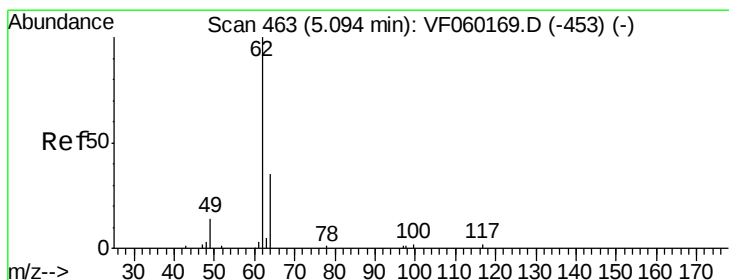
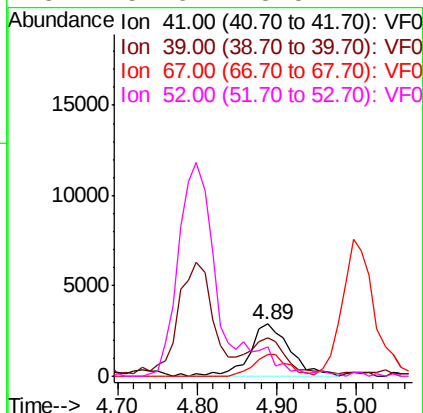
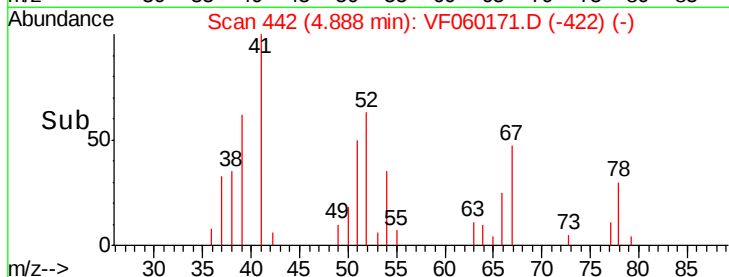
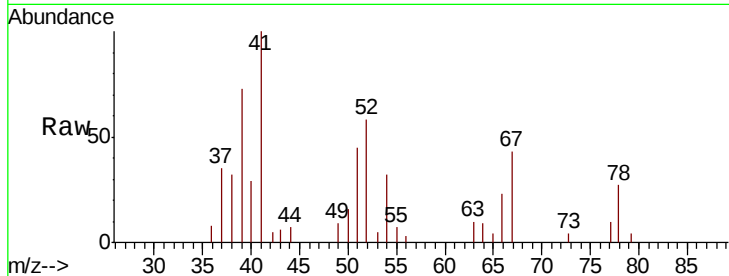
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	73.1	45.0	67.6#
67	42.7	39.5	59.3
52	57.6	28.5	42.7#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 100.19 ug/l

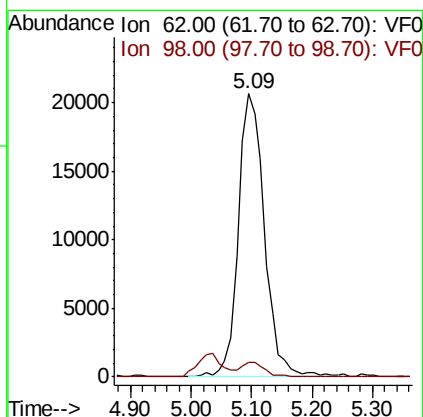
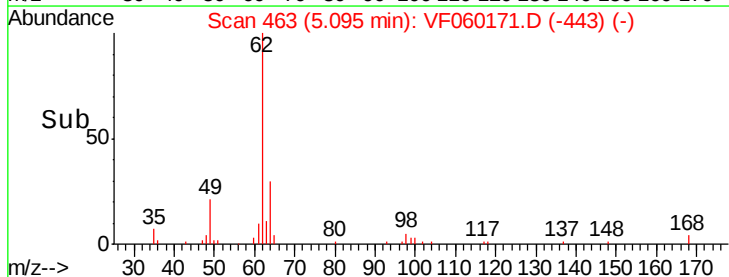
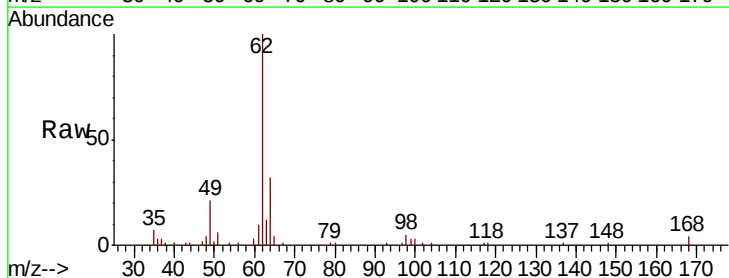
RT: 5.09 min Scan# 463

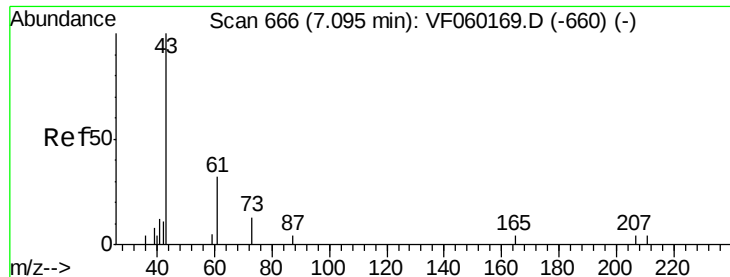
Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.3	0.0	13.2





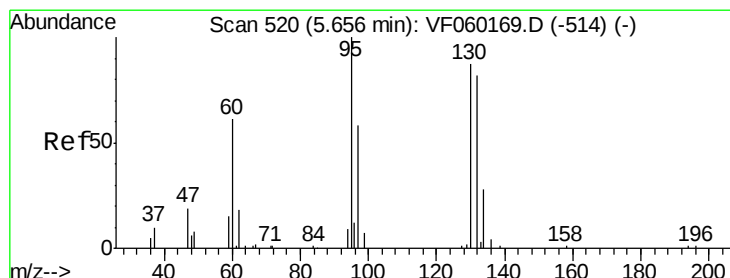
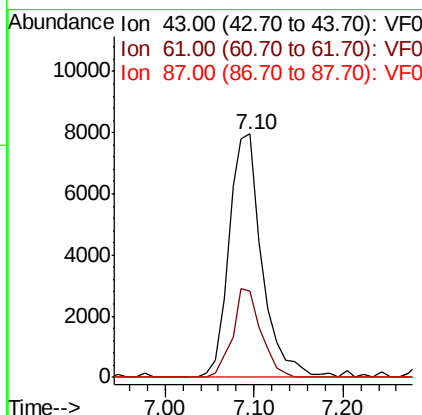
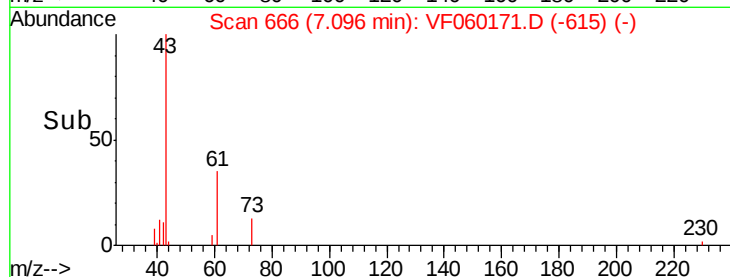
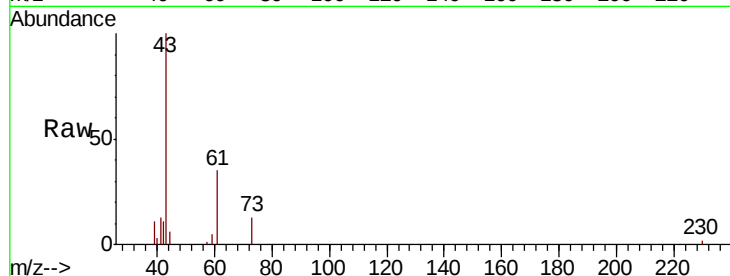
#43
Isopropyl Acetate
Concen: 109.85 ug/l
RT: 7.10 min Scan# 666
Delta R.T. 0.00 min
Lab File: VF060171.D
Acq: 29 Aug 2018 2:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	35.2	25.3	37.9
87	0.0	3.0	4.6#

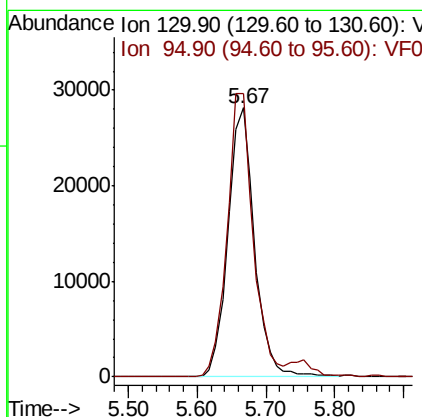
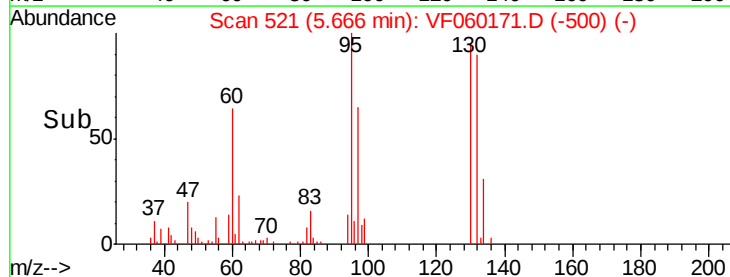
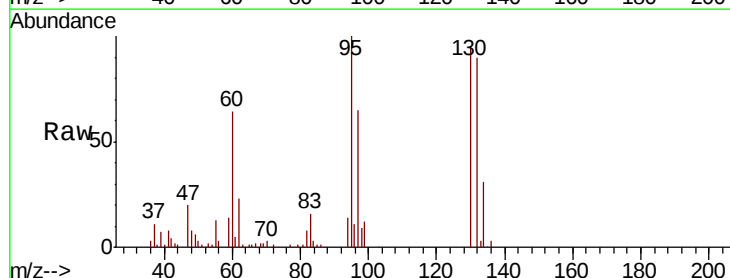
Manual Integrations
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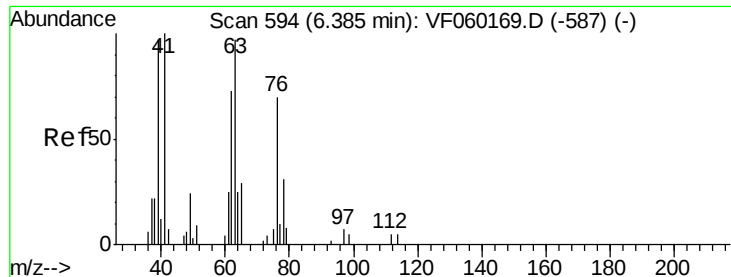
apatel
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#44
Trichloroethene
Concen: 102.93 ug/l
RT: 5.67 min Scan# 521
Delta R.T. 0.01 min
Lab File: VF060171.D
Acq: 29 Aug 2018 2:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.3	0.0	230.8





#45

1,2-Dichloropropane

Concen: 112.50 ug/l

RT: 6.39 min Scan# 594

Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 39228

Ion Ratio Lower Upper

63 100

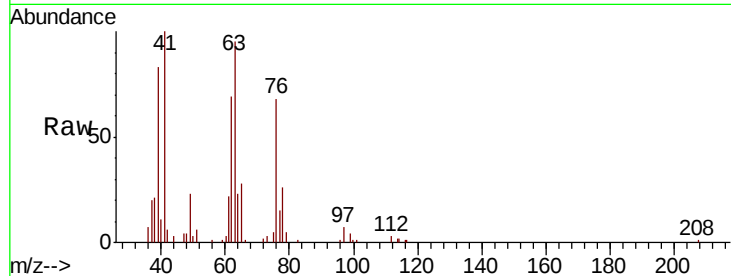
65 29.7 23.6 35.4

Manual Integrations

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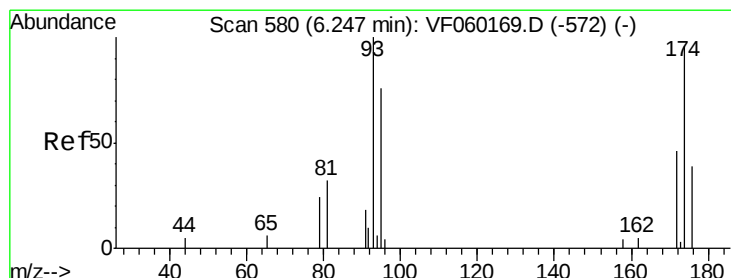
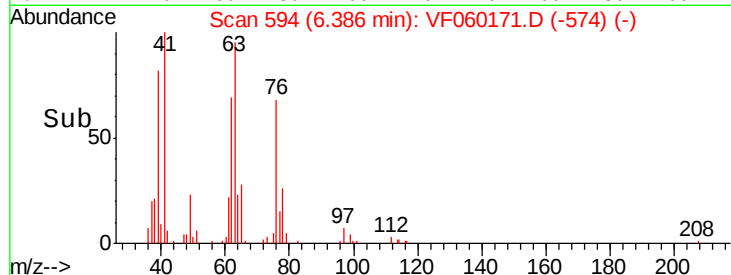
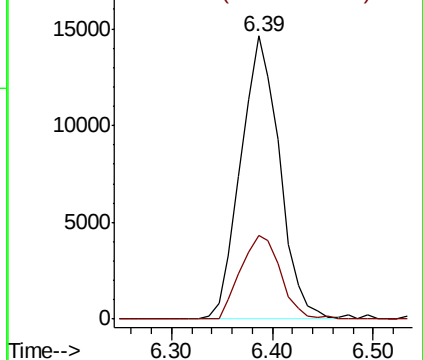
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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 122.67 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.01 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

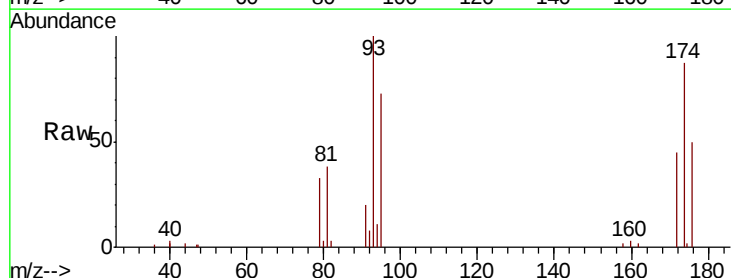
Tgt Ion: 93 Resp: 22240

Ion Ratio Lower Upper

93 100

95 73.3 60.8 91.2

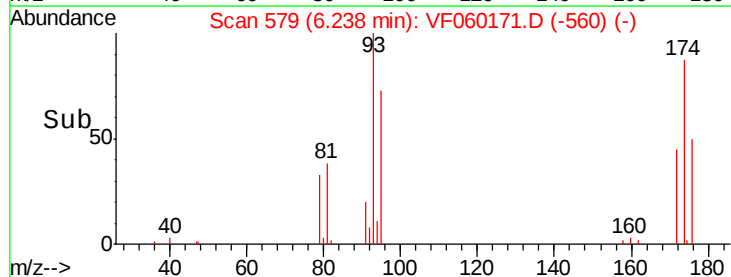
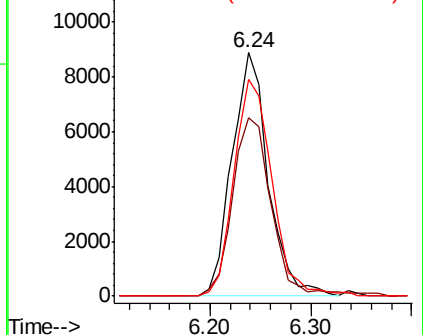
174 89.2 76.8 115.2

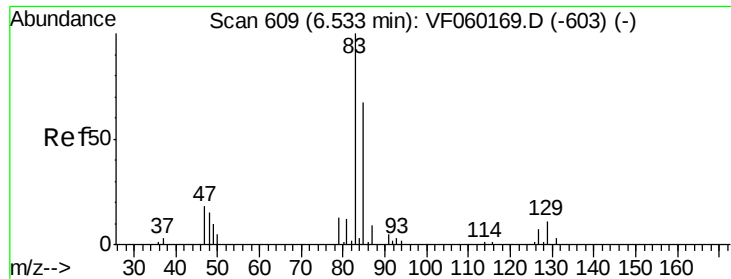


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 111.35 ug/l

RT: 6.53 min Scan# 609

Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Instrument :

MSVOA_F

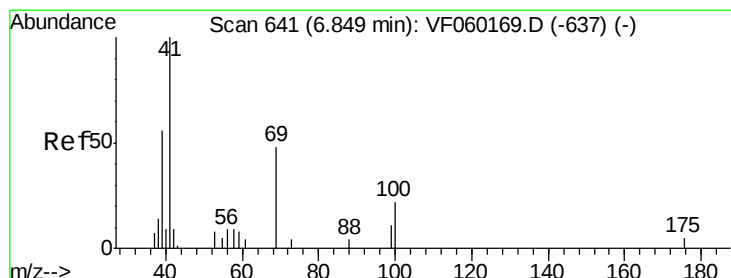
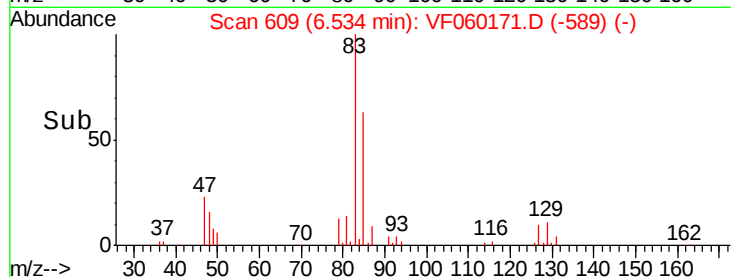
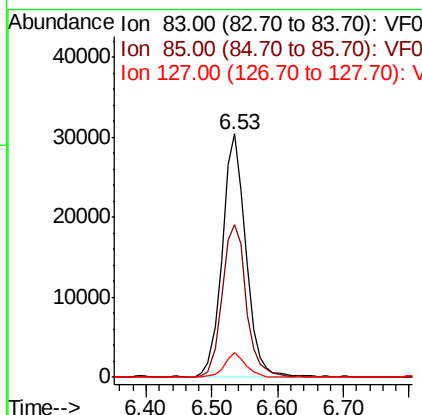
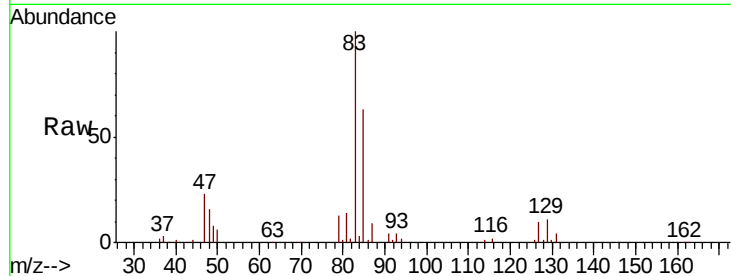
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	76863
Ion	Ratio	Lower	Upper
83	100		
85	62.6	53.3	79.9
127	10.2	5.7	8.5#

Manual Integrations
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#48

Methyl methacrylate

Concen: 94.93 ug/l

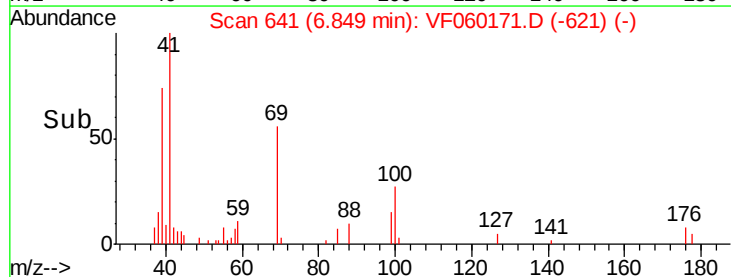
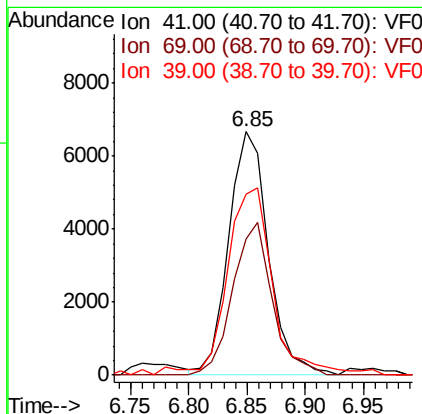
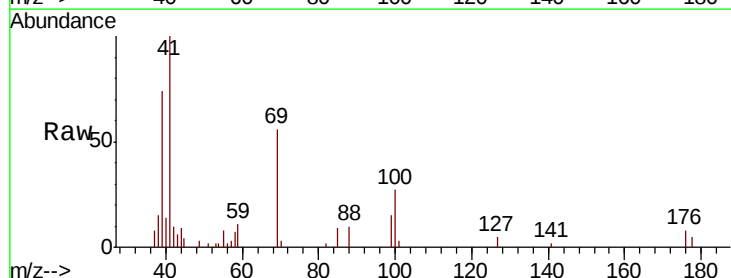
RT: 6.85 min Scan# 641

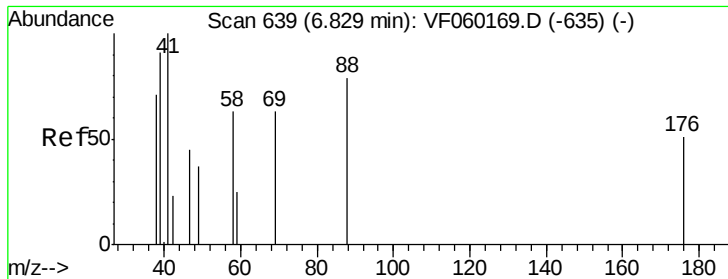
Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Tgt Ion:	41	Resp:	15826
Ion	Ratio	Lower	Upper
41	100		
69	55.7	38.2	57.2
39	74.1	56.2	84.2





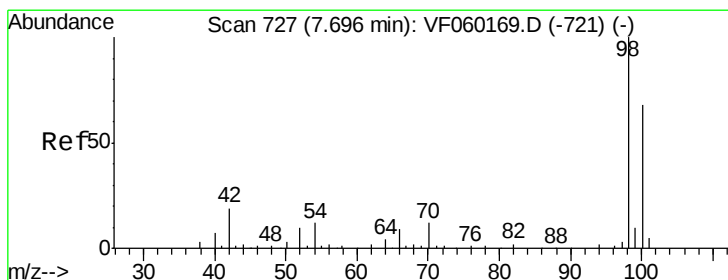
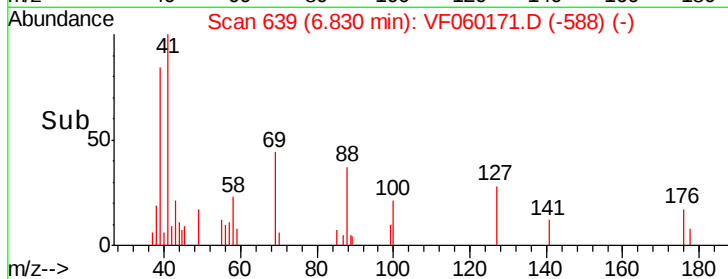
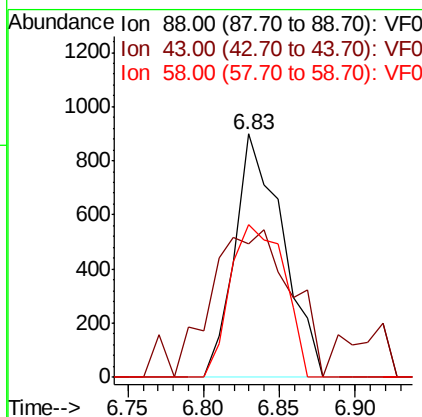
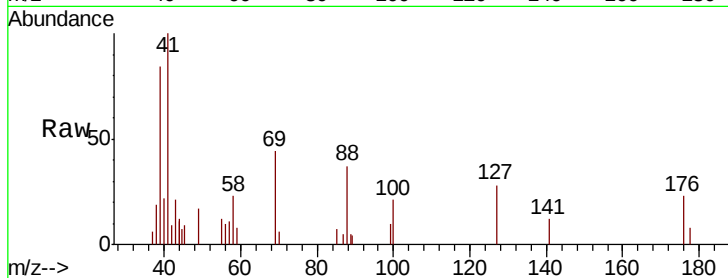
#49
1,4-Dioxane
Concen: 2210.88 ug/l
RT: 6.83 min Scan# 639
Delta R.T. 0.00 min
Lab File: VF060171.D
Acq: 29 Aug 2018 2:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	55.1	24.5	36.7#
58	62.6	63.8	95.8#

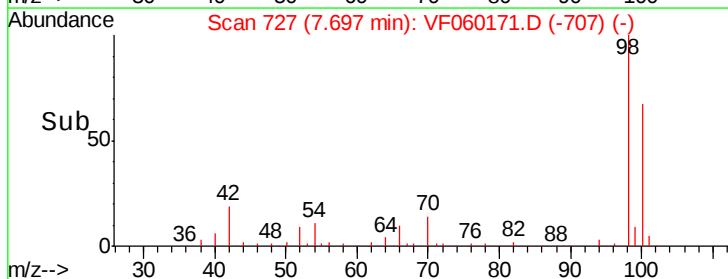
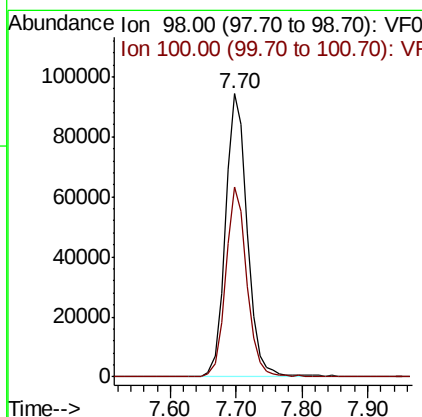
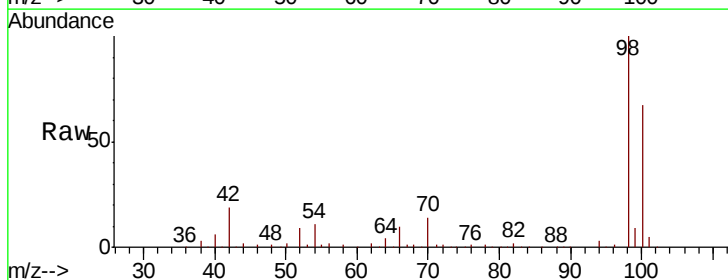
Manual Integrations
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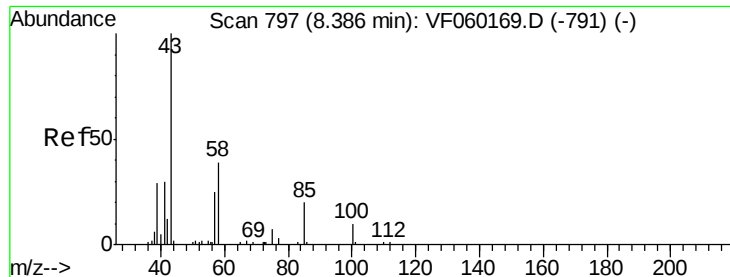
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#50
Toluene-d8
Concen: 113.41 ug/l
RT: 7.70 min Scan# 727
Delta R.T. 0.00 min
Lab File: VF060171.D
Acq: 29 Aug 2018 2:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.0	54.5	81.7





#51

4-Methyl-2-Pentanone

Concen: 584.92 ug/l

RT: 8.39 min Scan# 797

Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 94338

Ion Ratio Lower Upper

43 100

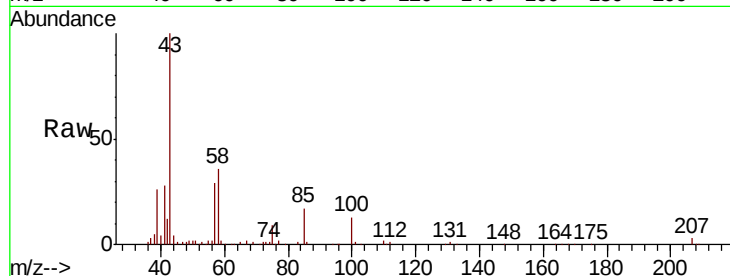
58 36.0 31.0 46.6

Manual Integrations

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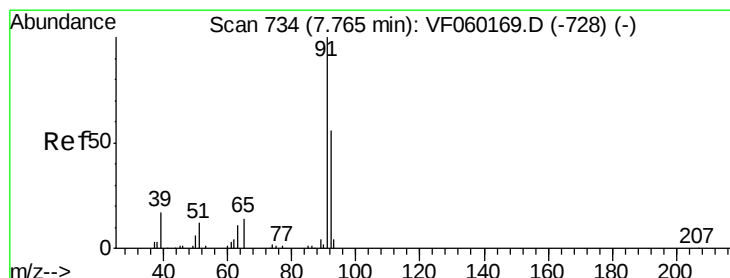
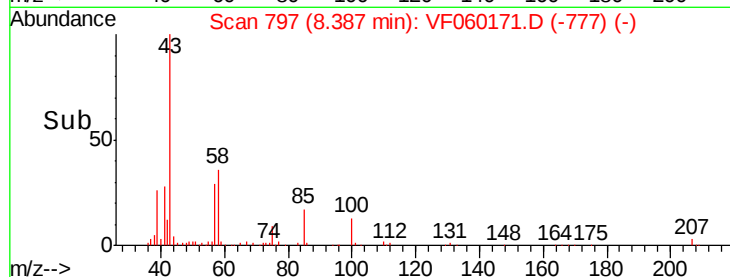
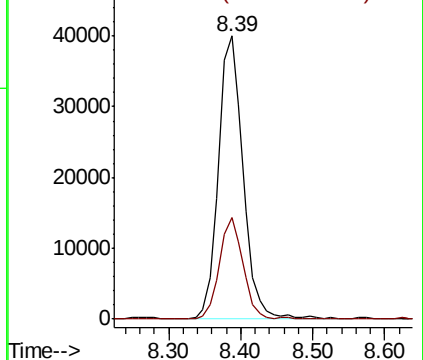
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 108.04 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF060171.D

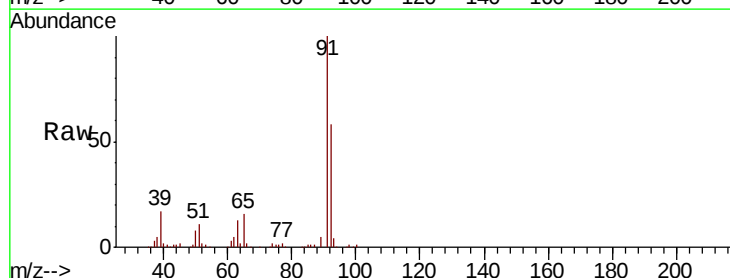
Acq: 29 Aug 2018 2:21

Tgt Ion: 92 Resp: 141228

Ion Ratio Lower Upper

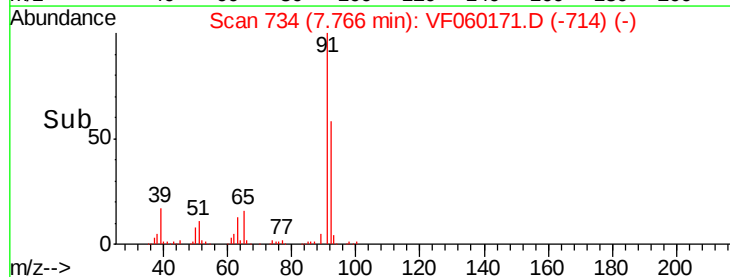
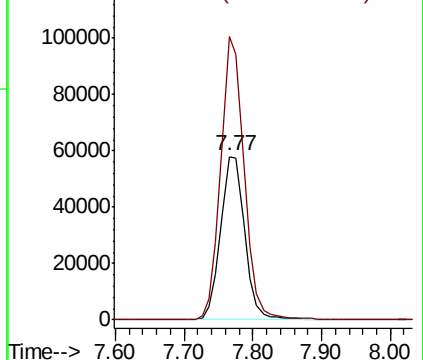
92 100

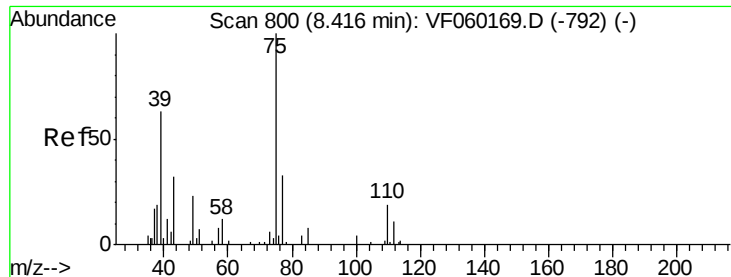
91 173.1 141.9 212.9



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: 138.38 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 51062

Ion Ratio Lower Upper

75 100

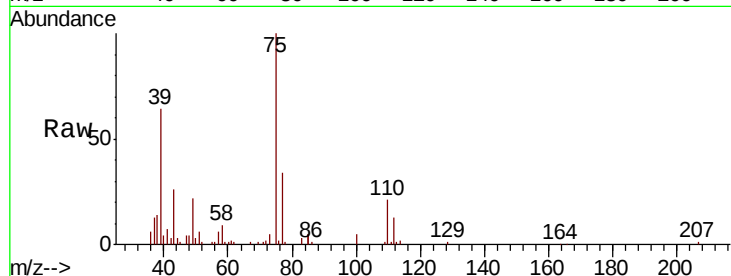
77 33.8 26.4 39.6

Manual Integrations

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.42

25000

20000

15000

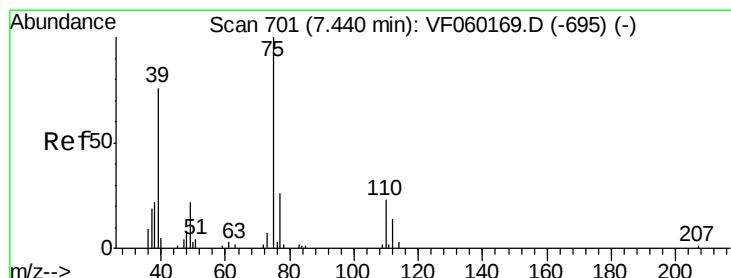
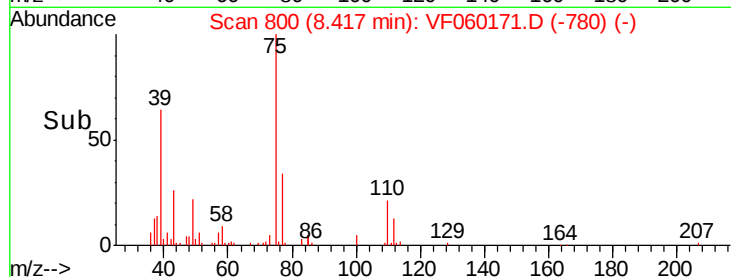
10000

5000

0

8.30 8.40 8.50 8.60

Time-->



#54

cis-1,3-Dichloropropene

Concen: 135.81 ug/l

RT: 7.44 min Scan# 701

Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

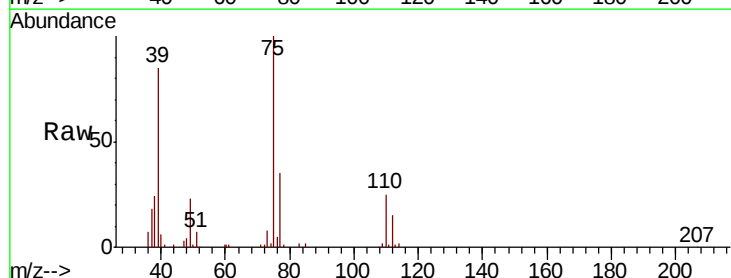
Tgt Ion: 75 Resp: 64188

Ion Ratio Lower Upper

75 100

77 35.1 20.7 31.1#

39 85.3 60.9 91.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

7.44

30000

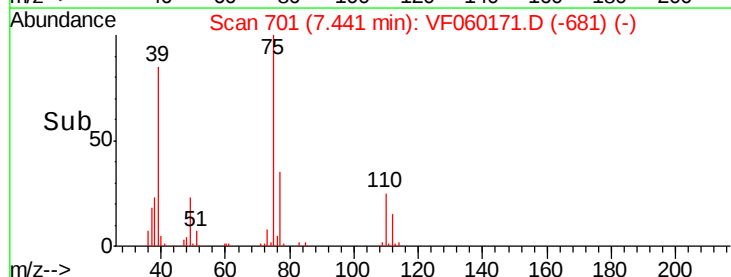
20000

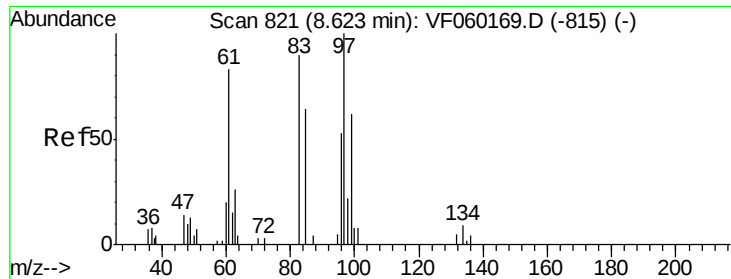
10000

0

7.30 7.40 7.50 7.60

Time-->





#55

1,1,2-Trichloroethane

Concen: 111.89 ug/l

RT: 8.62 min Scan# 821

Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Instrument :

MSVOA_F

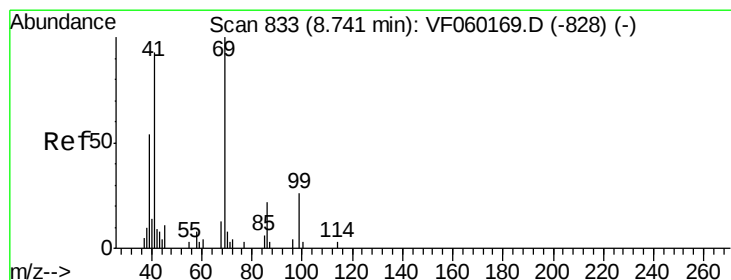
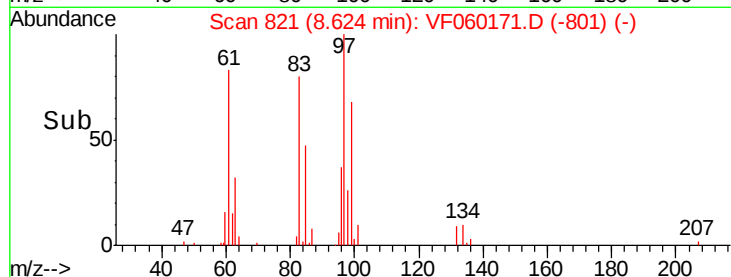
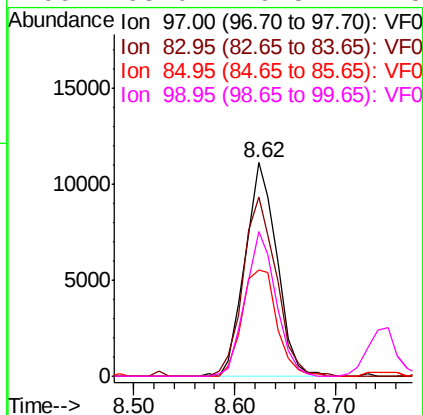
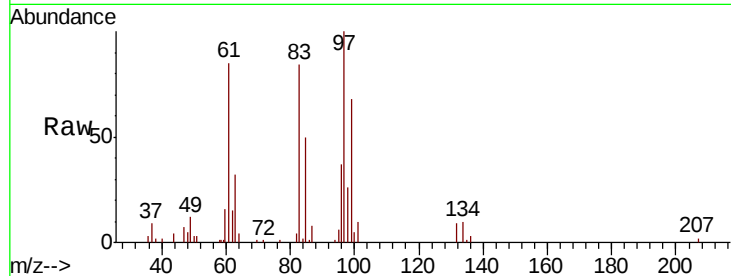
ClientSampleId :

VSTDIC100

Tot Ion:	97	Resp:	24459
Ion	Ratio	Lower	Upper
97	100		
83	83.9	72.0	108.0
85	49.6	51.0	76.4#
99	68.0	49.5	74.3

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#56

Ethyl methacrylate

Concen: 133.60 ug/l

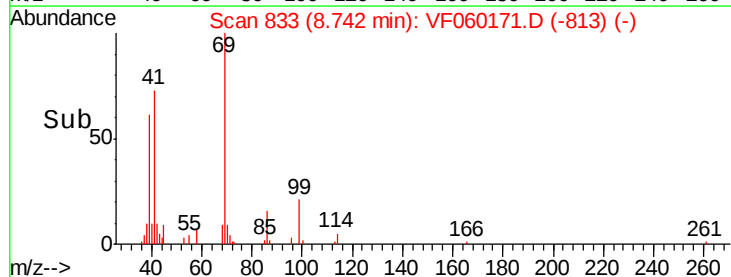
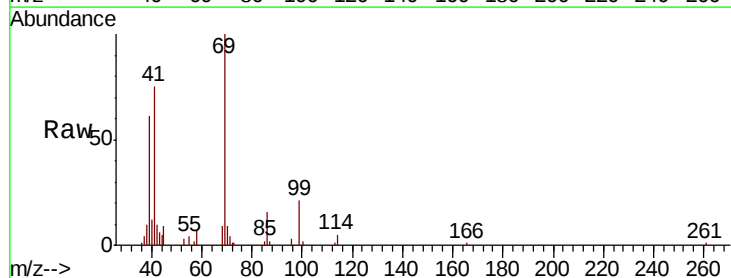
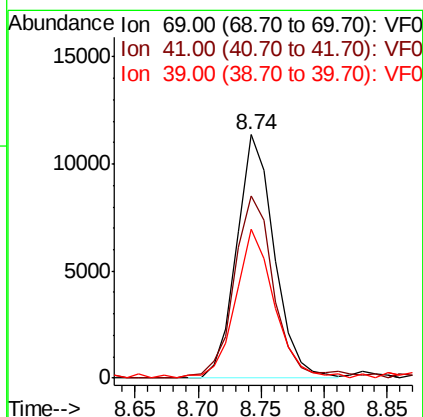
RT: 8.74 min Scan# 833

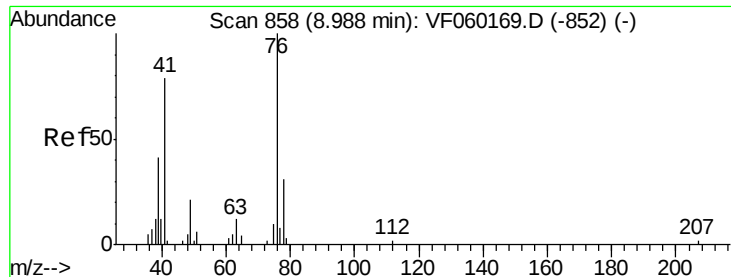
Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Tgt Ion:	69	Resp:	23519
Ion	Ratio	Lower	Upper
69	100		
41	75.0	74.6	111.8
39	60.9	46.2	69.4





#57

1,3-Dichloropropane

Concen: 120.47 ug/l

RT: 8.99 min Scan# 858

Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 44035

Ion Ratio Lower Upper

76 100

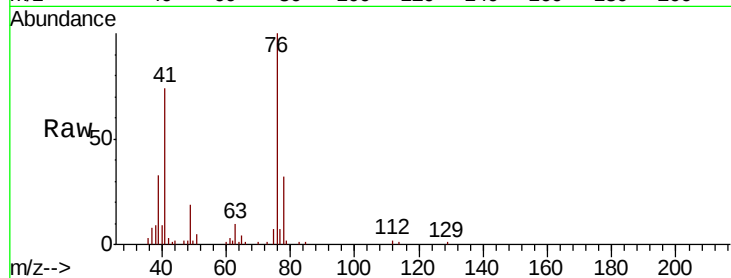
78 32.0 24.6 37.0

Manual Integrations

APPROVED

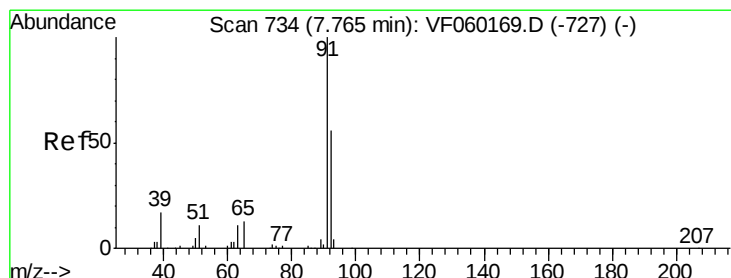
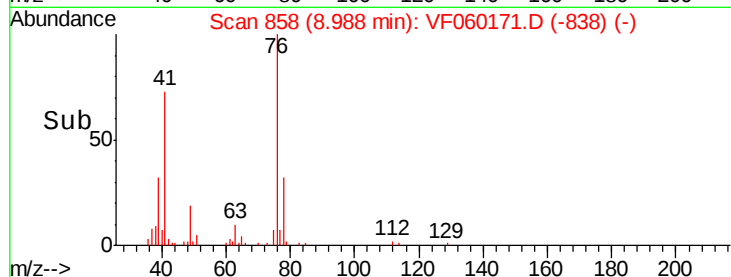
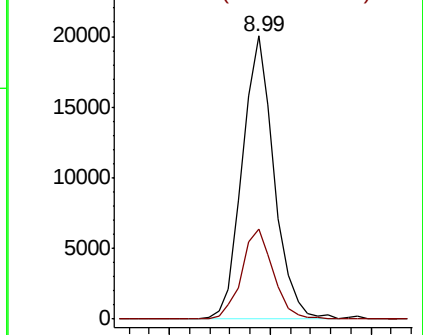
apatel

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 523.69 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF060171.D

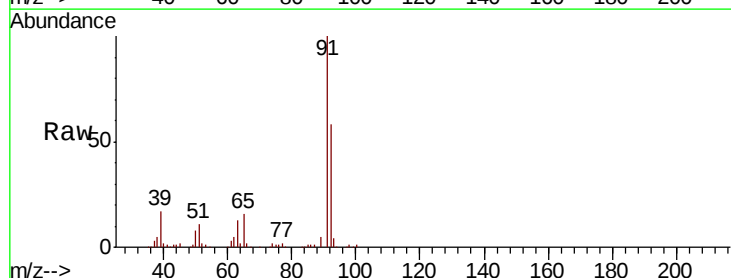
Acq: 29 Aug 2018 2:21

Tgt Ion: 63 Resp: 28461

Ion Ratio Lower Upper

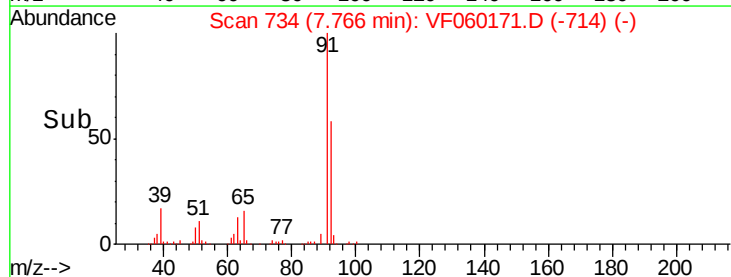
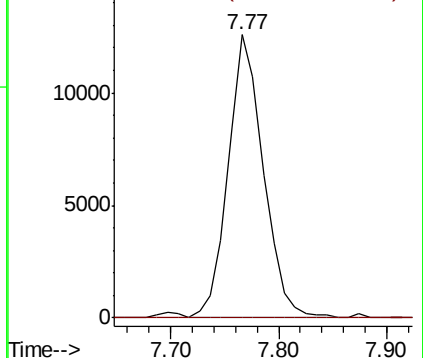
63 100

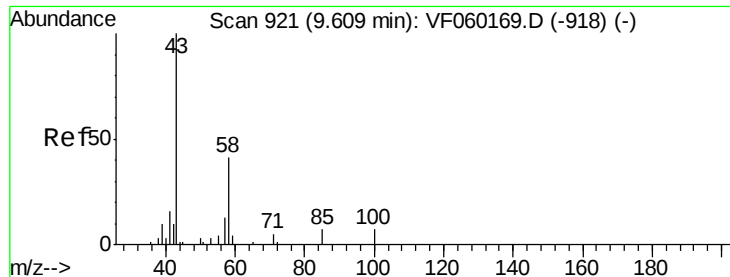
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





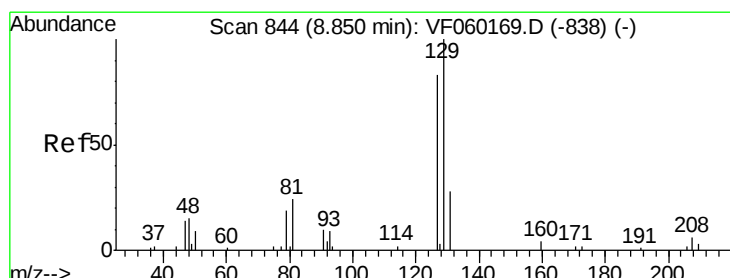
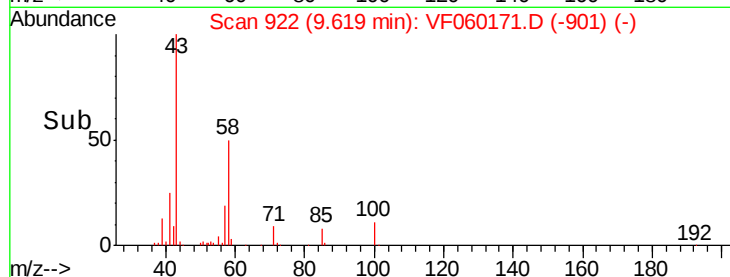
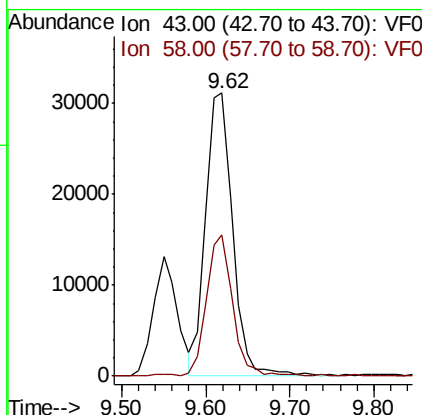
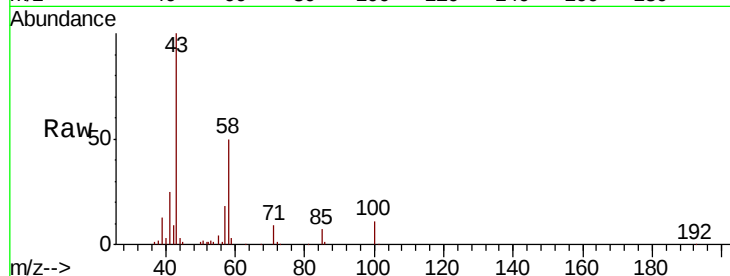
#59
2-Hexanone
Concen: 638.58 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.01 min
Lab File: VF060171.D
Acq: 29 Aug 2018 2:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.7	19.4	58.4

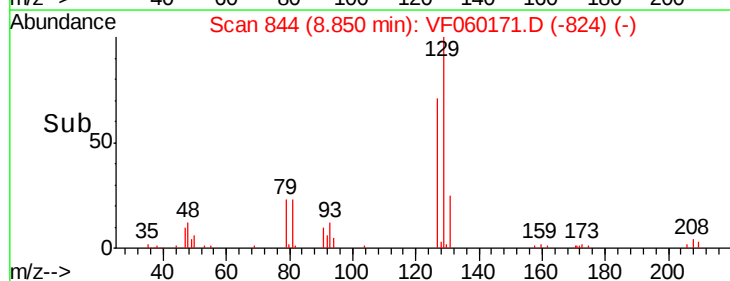
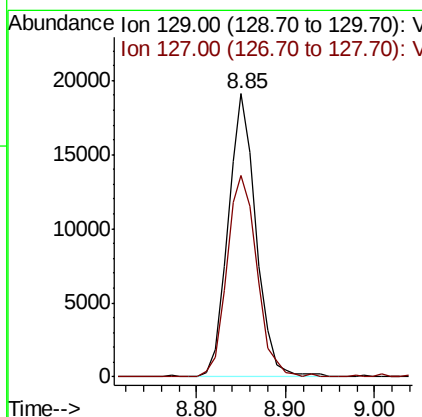
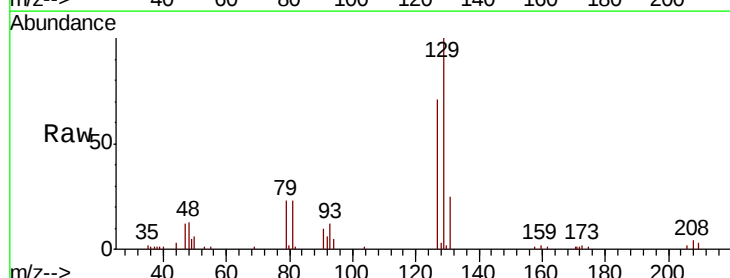
Manual Integrations
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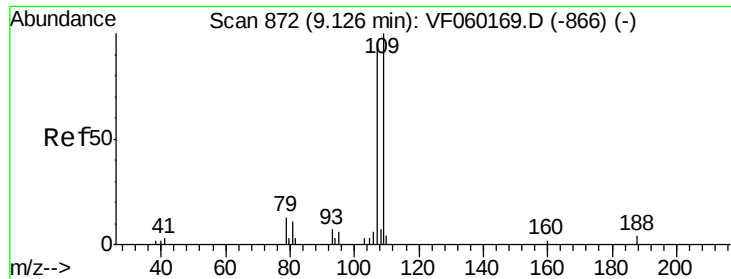
apatel
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#60
Dibromochloromethane
Concen: 119.37 ug/l
RT: 8.85 min Scan# 844
Delta R.T. 0.00 min
Lab File: VF060171.D
Acq: 29 Aug 2018 2:21

Tgt Ion	Ratio	Lower	Upper
129	100		
127	69.7	43.2	129.6





#61

1,2-Dibromoethane

Concen: 108.44 ug/l

RT: 9.13 min Scan# 872

Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 24207

Ion Ratio Lower Upper

107 100

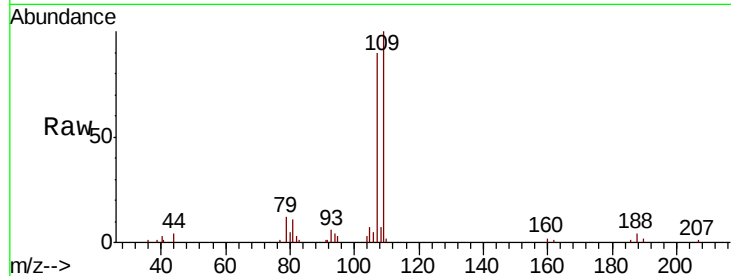
109 110.9 83.4 125.0

Manual Integrations

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

12000

10000

8000

6000

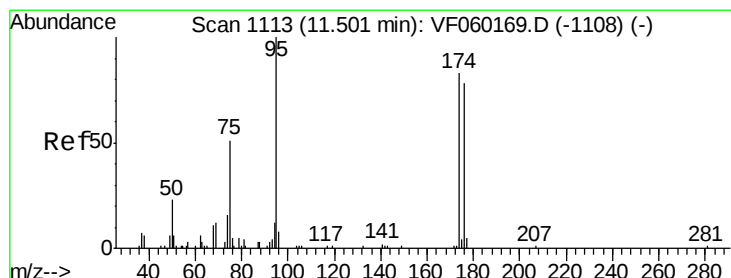
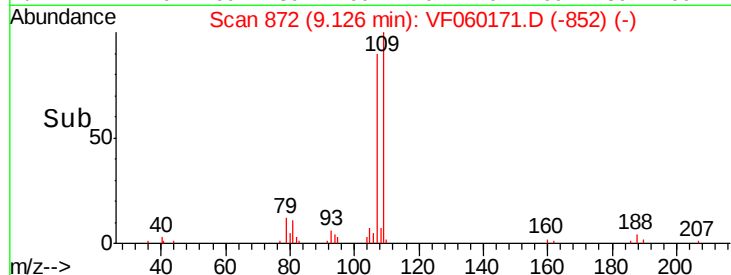
4000

2000

0

9.05 9.10 9.15 9.20

Time-->



#62

4-Bromofluorobenzene

Concen: 99.28 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

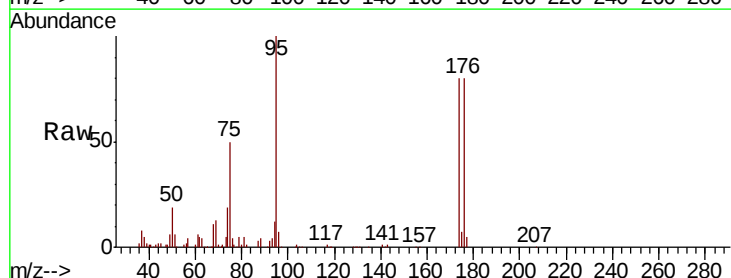
Tgt Ion: 95 Resp: 74164

Ion Ratio Lower Upper

95 100

174 80.1 0.0 165.2

176 79.9 0.0 156.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

60000

50000

40000

30000

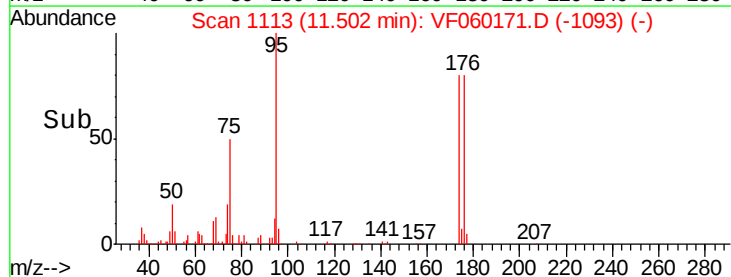
20000

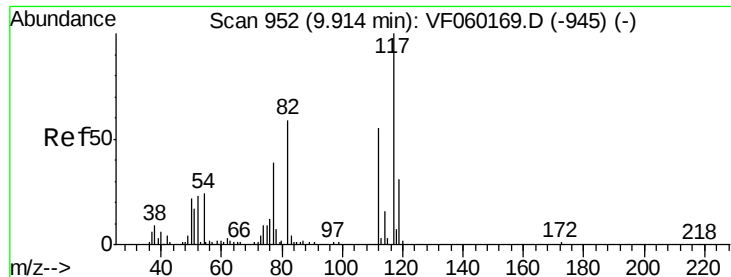
10000

0

11.40 11.50 11.60

Time-->





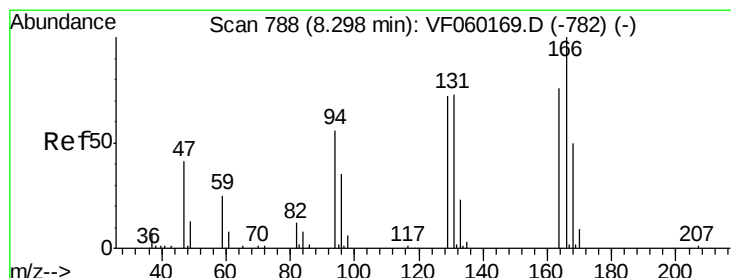
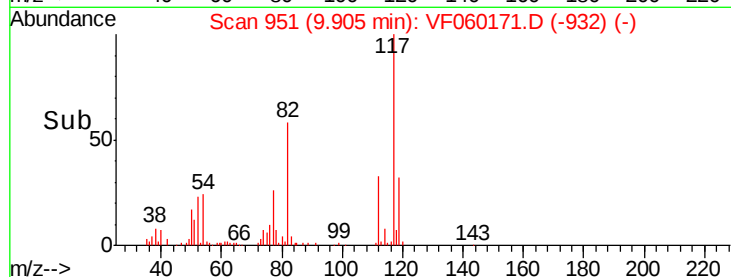
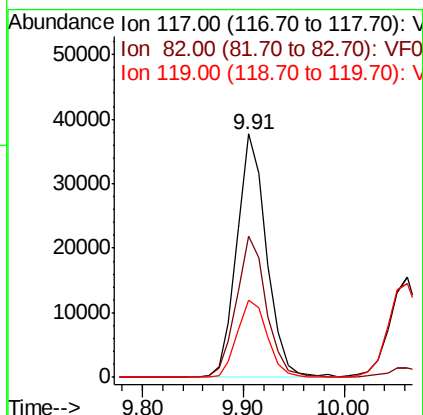
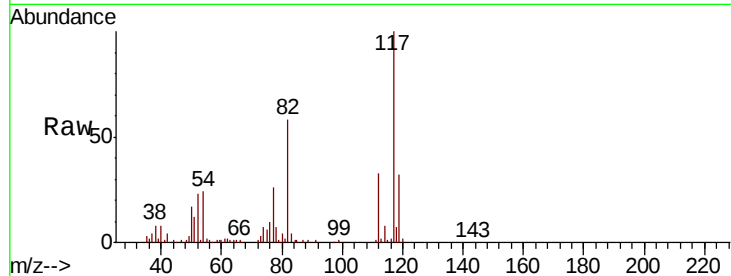
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF060171.D
Acq: 29 Aug 2018 2:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.1	47.2	70.8
119	31.6	25.0	37.4

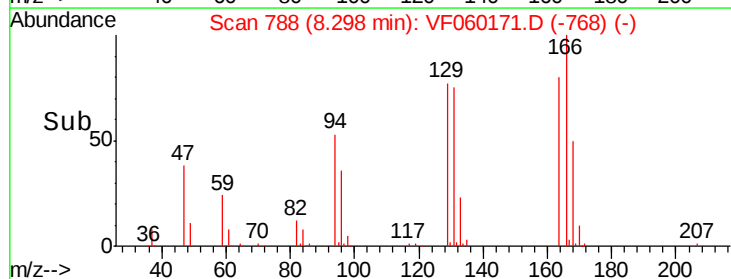
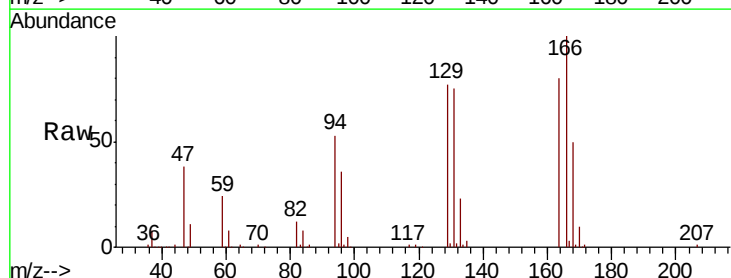
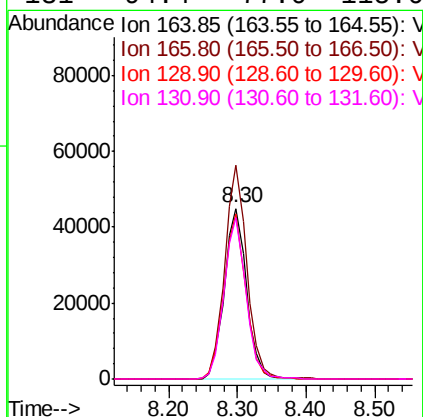
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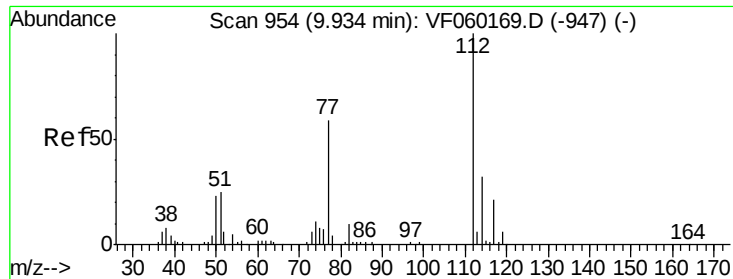
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#64
Tetrachloroethene
Concen: 107.06 ug/l
RT: 8.30 min Scan# 788
Delta R.T. 0.00 min
Lab File: VF060171.D
Acq: 29 Aug 2018 2:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.3	105.2	157.8
129	96.7	76.2	114.2
131	94.4	77.0	115.6





#65

Chlorobenzene

Concen: 103.82 ug/l

RT: 9.93 min Scan# 954

Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 159736

Ion Ratio Lower Upper

112 100

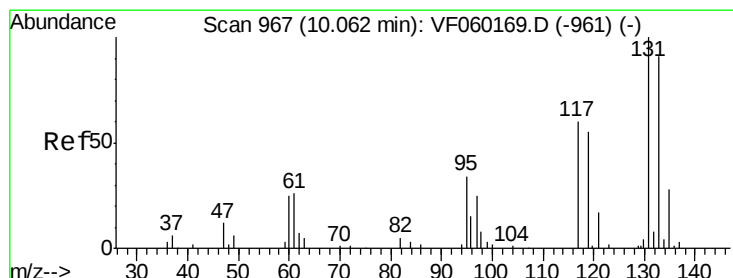
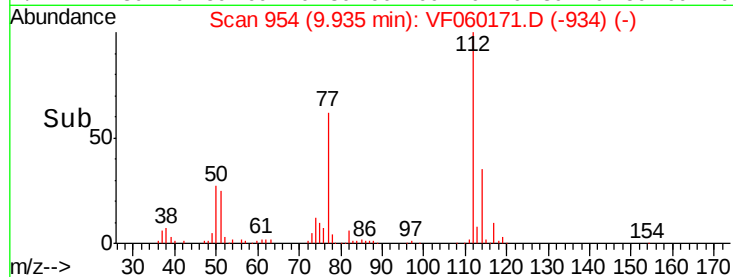
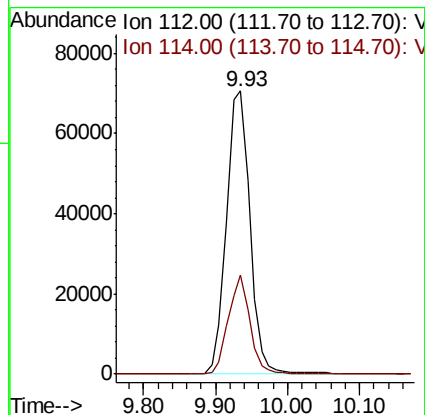
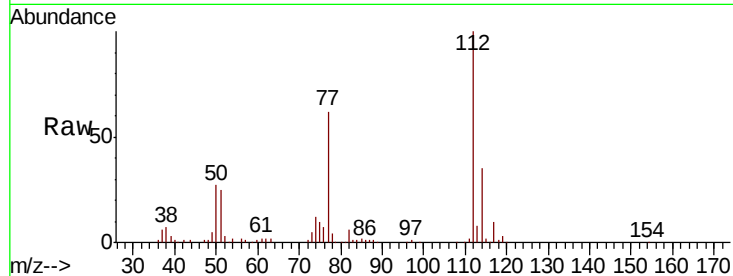
114 34.8 25.4 38.0

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 100.44 ug/l

RT: 10.06 min Scan# 967

Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

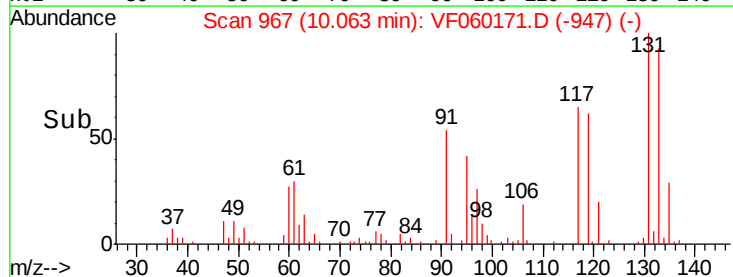
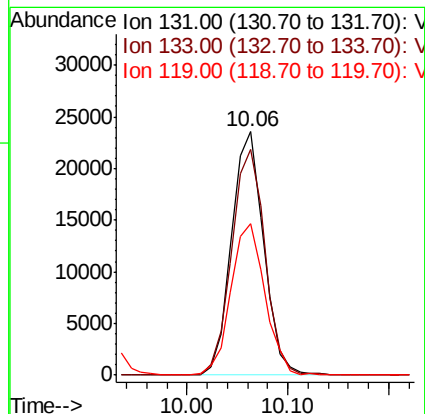
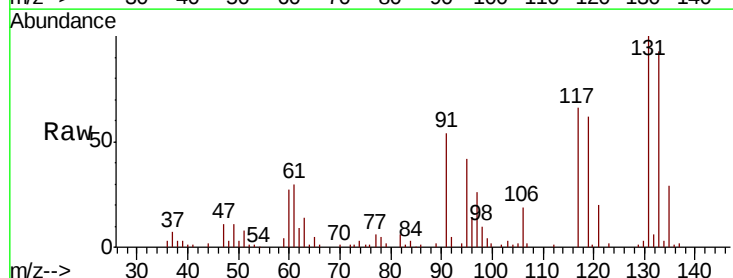
Tgt Ion:131 Resp: 52071

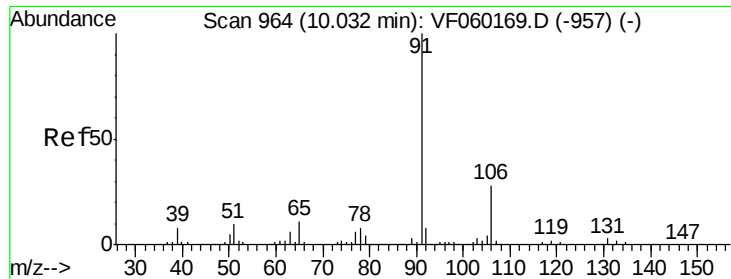
Ion Ratio Lower Upper

131 100

133 92.6 45.7 137.1

119 62.1 28.1 84.3





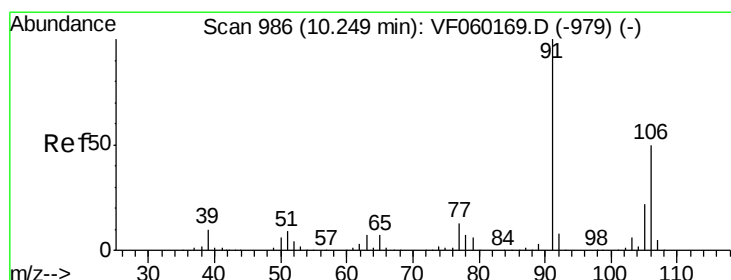
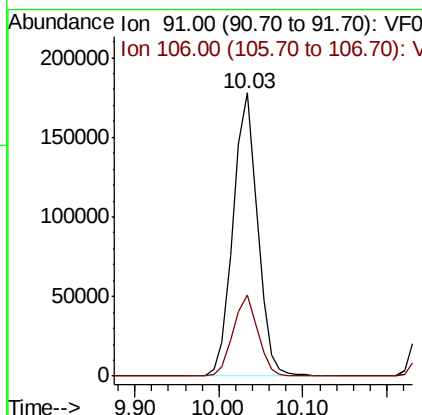
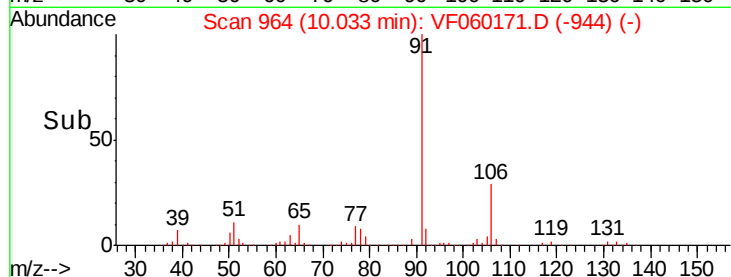
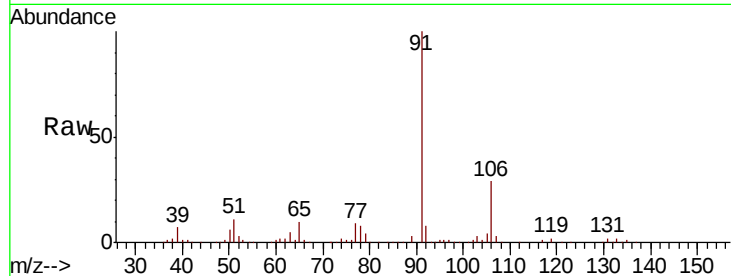
#67
Ethyl Benzene
Concen: 102.89 ug/l
RT: 10.03 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF060171.D
Acq: 29 Aug 2018 2:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 362733
Ion Ratio Lower Upper
91 100
106 28.6 22.8 34.2

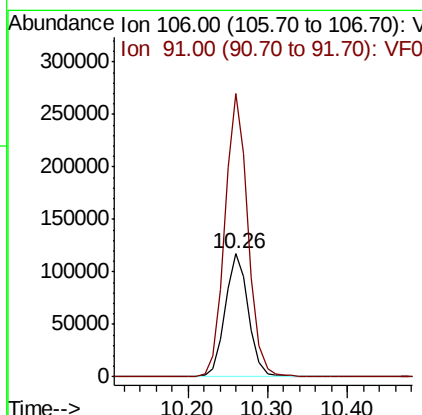
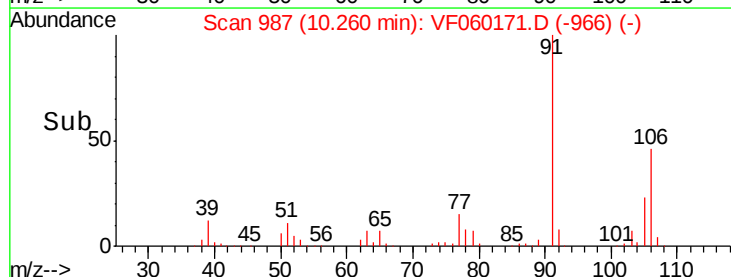
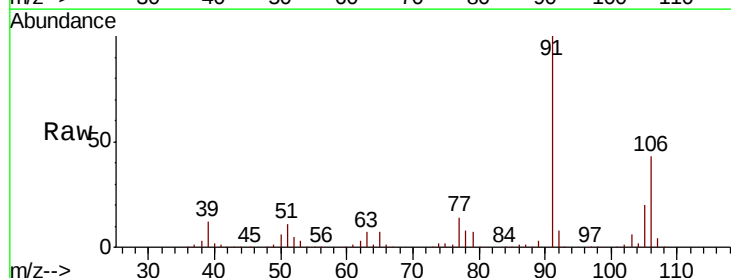
Manual Integrations
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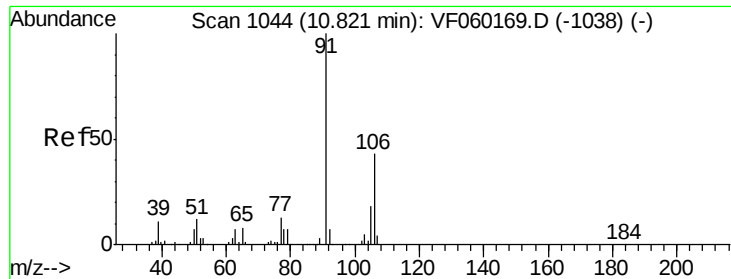
apatel
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#68
m/p-Xylenes
Concen: 199.74 ug/l
RT: 10.26 min Scan# 987
Delta R.T. 0.01 min
Lab File: VF060171.D
Acq: 29 Aug 2018 2:21

Tgt Ion: 106 Resp: 242191
Ion Ratio Lower Upper
106 100
91 230.1 161.3 241.9





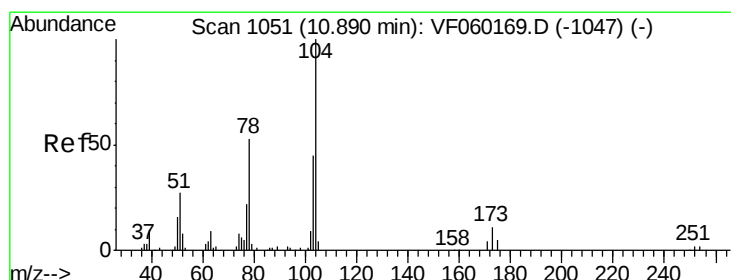
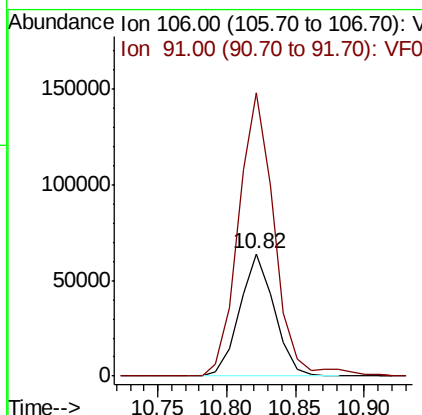
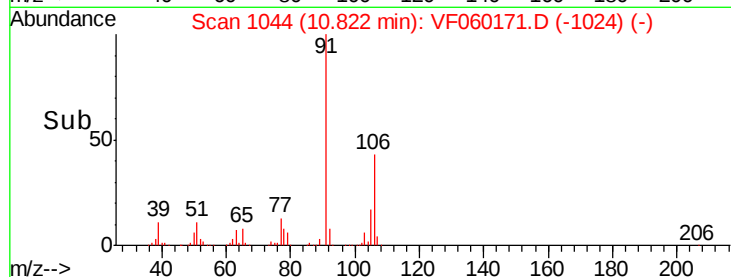
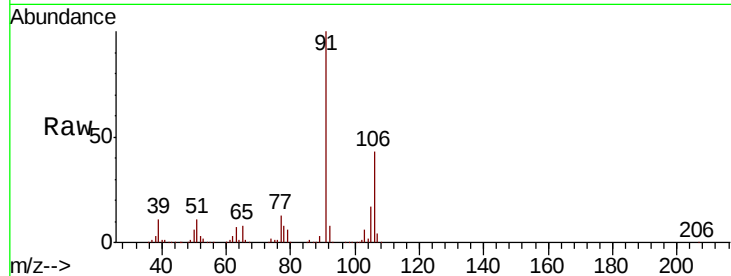
#69
o-Xylene
Concen: 112.05 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF060171.D
Acq: 29 Aug 2018 2:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	112124		
91	91	231.8	117.0	350.8	

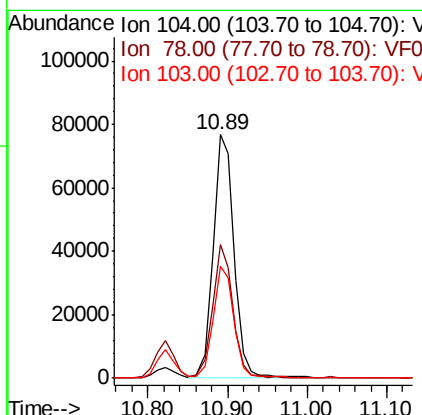
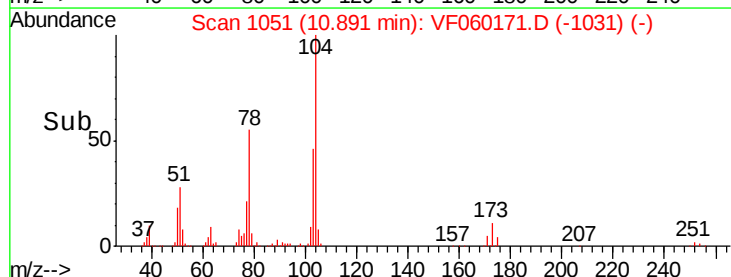
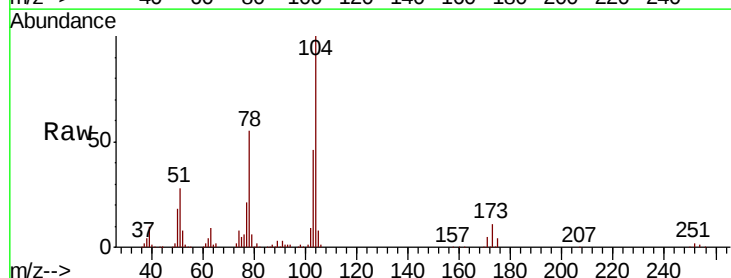
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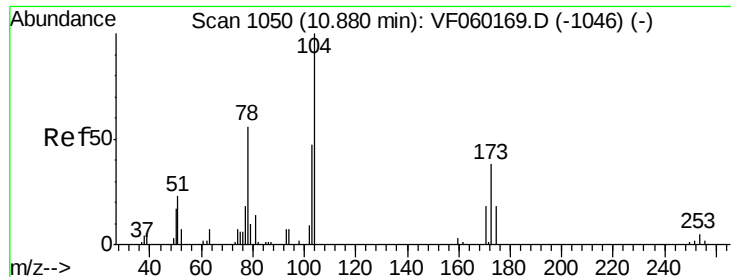
apatel
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#70
Styrene
Concen: 114.80 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF060171.D
Acq: 29 Aug 2018 2:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	141373		
78	78	54.9	42.6	64.0	
103	103	45.9	36.8	55.2	





#71

Bromoform

Concen: 124.65 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 21116

Ion Ratio Lower Upper

173 100

175 49.2 23.8 71.2

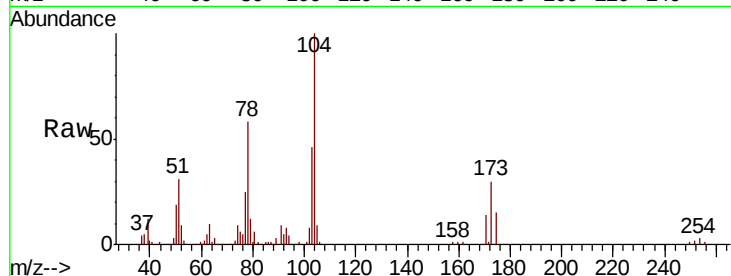
254 0.0 0.0 0.0

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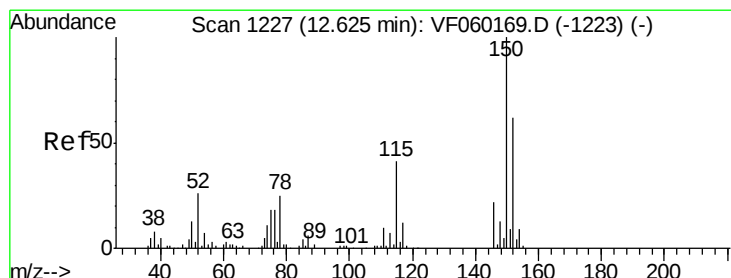
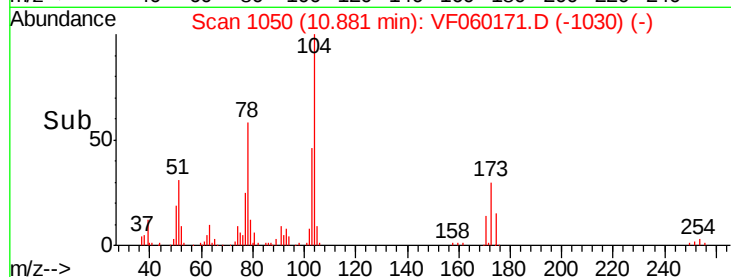
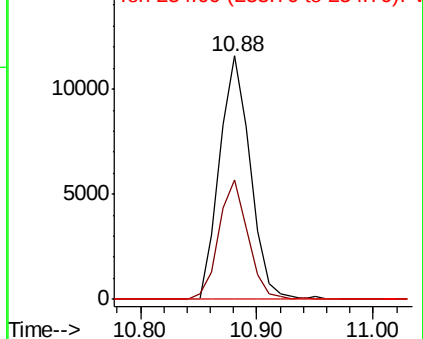


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

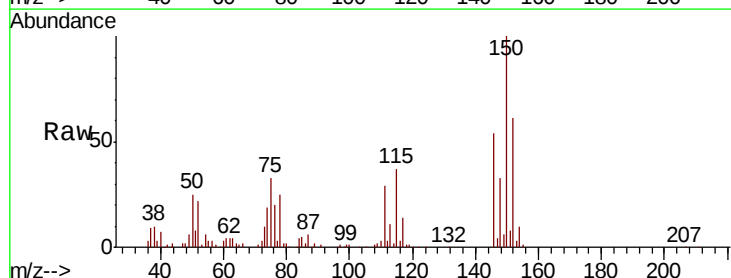
Tgt Ion:152 Resp: 37720

Ion Ratio Lower Upper

152 100

115 61.4 33.2 99.6

150 164.7 0.0 325.6

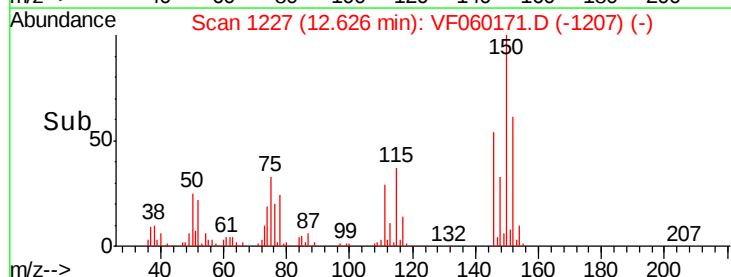
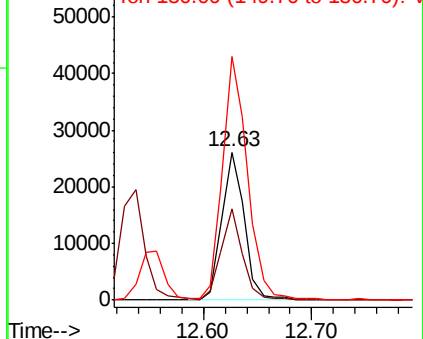


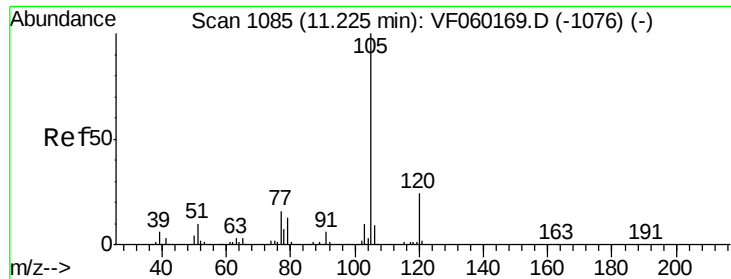
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 108.51 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 434697

Ion Ratio Lower Upper

105 100

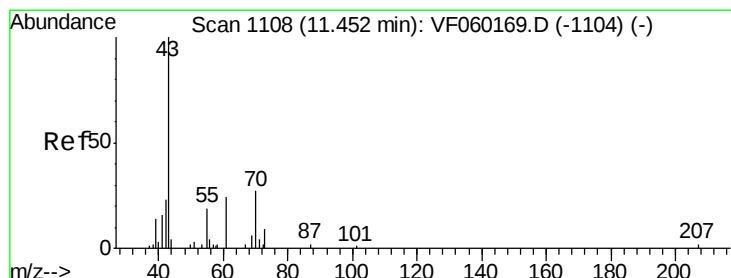
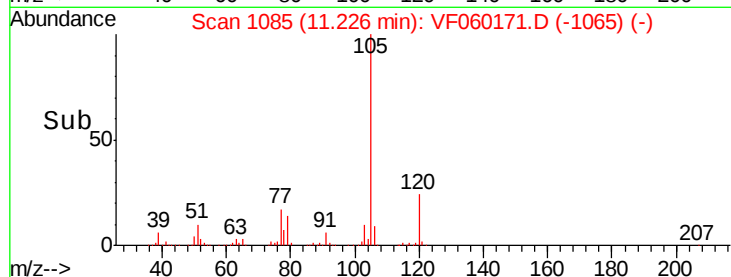
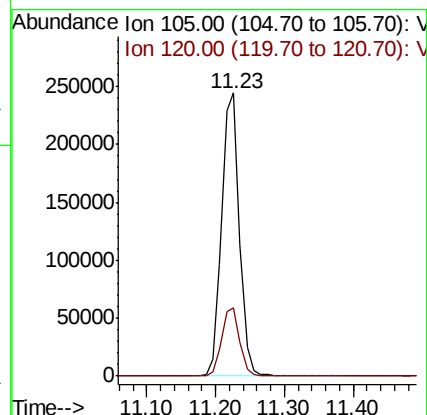
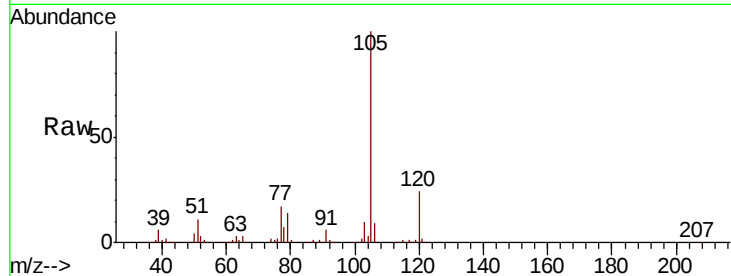
120 24.2 12.0 36.1

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#74

N-ethyl acetate

Concen: 123.86 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Tgt Ion: 43 Resp: 34997

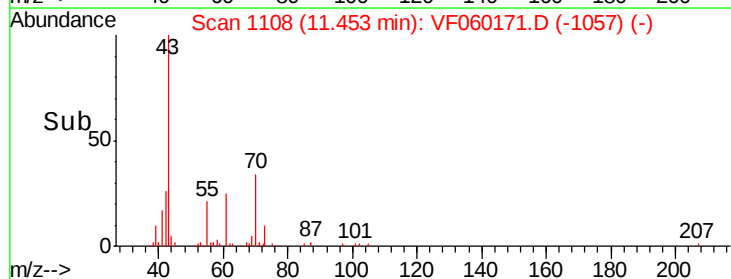
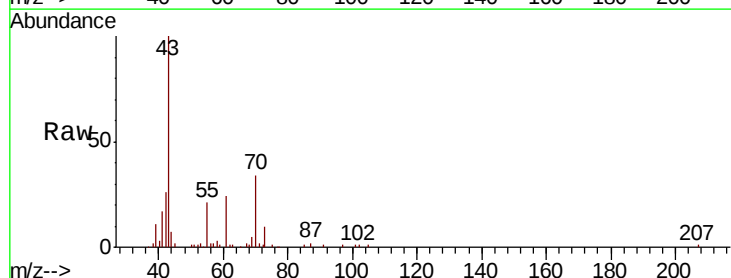
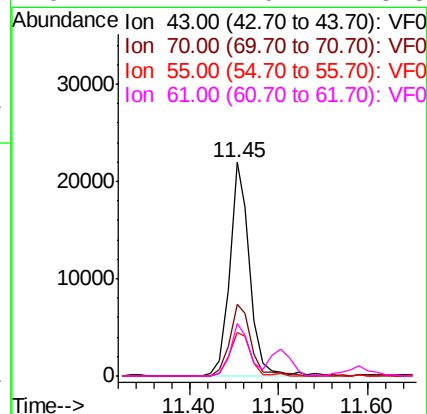
Ion Ratio Lower Upper

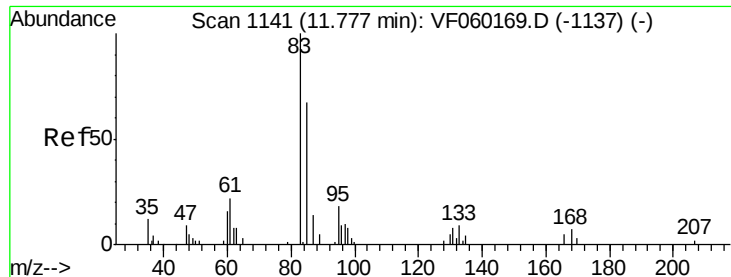
43 100

70 33.8 22.0 33.0#

55 20.7 15.2 22.8

61 24.4 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 98.81 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Instrument :

MSVOA_F

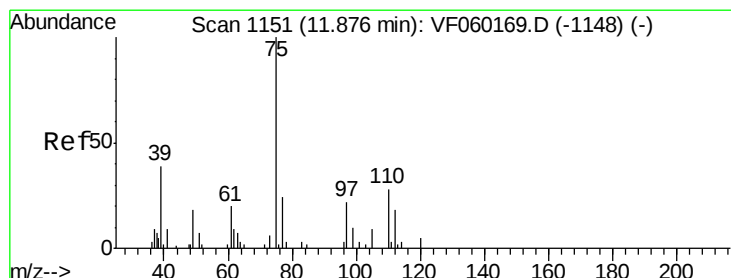
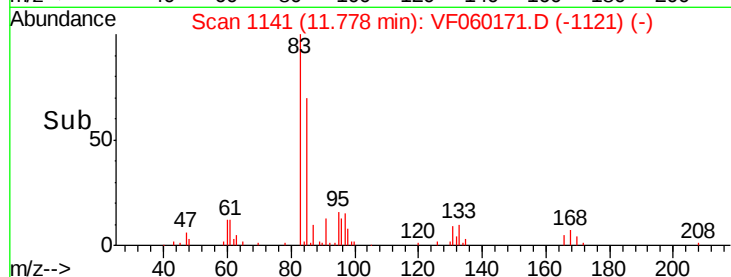
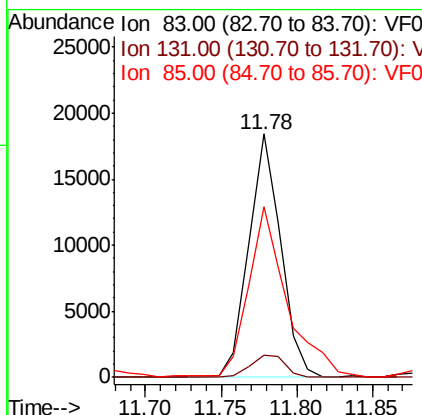
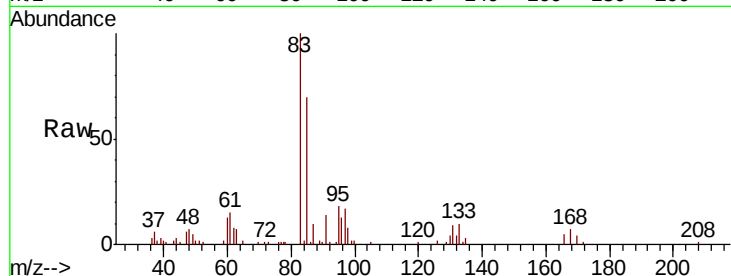
ClientSampleId :

VSTDIC100

Tot Ion	83	Resp	27210
Ion Ratio	100	Lower	Upper
83	100		
131	9.4	4.0	12.0
85	70.2	34.9	104.7

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#76

1,2,3-Trichloropropane

Concen: 99.87 ug/l

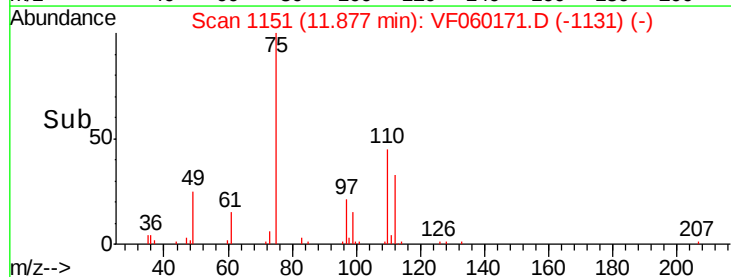
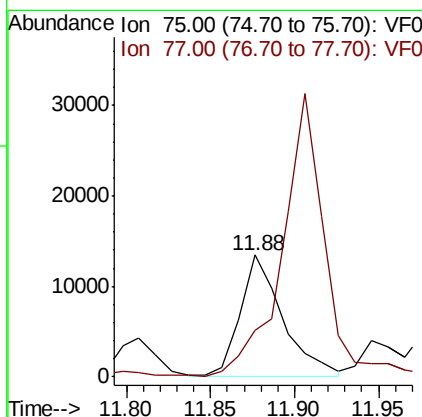
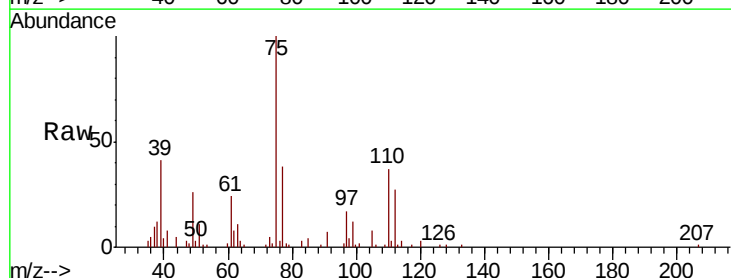
RT: 11.88 min Scan# 1151

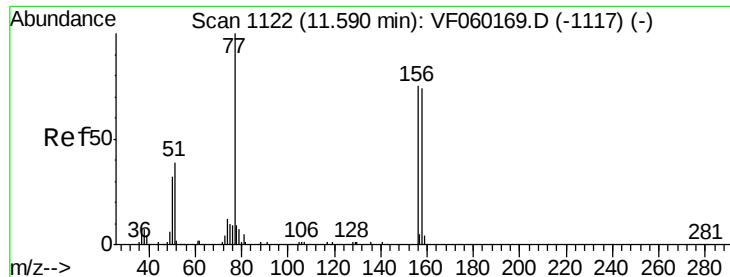
Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Tgt Ion	75	Resp	23484
Ion Ratio	100	Lower	Upper
75	100		
77	38.0	12.8	38.3





#77

Bromobenzene

Concen: 110.27 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Instrument :

MSVOA_F

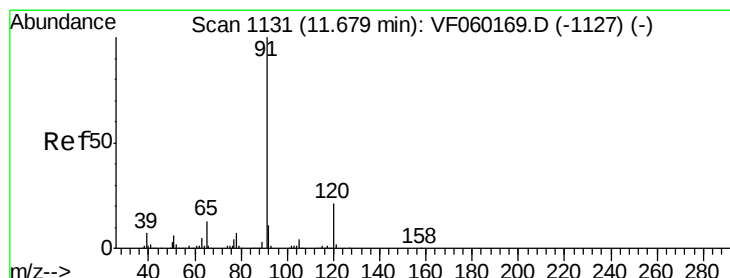
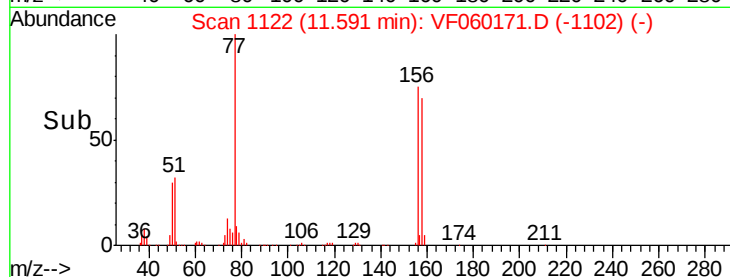
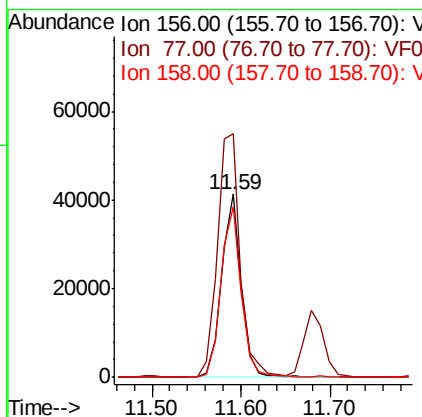
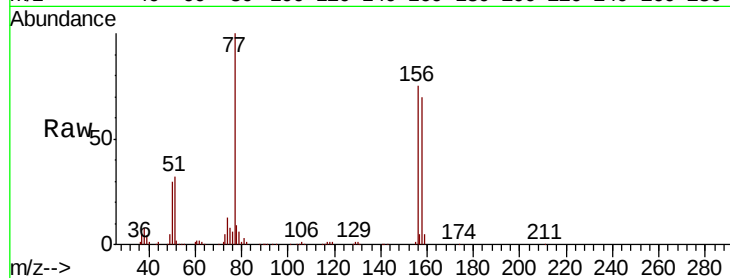
ClientSampleId :

VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	133.0	66.8	200.6	
158	93.5	49.7	149.1	

Manual Integrations
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#78

n-propylbenzene

Concen: 107.57 ug/l

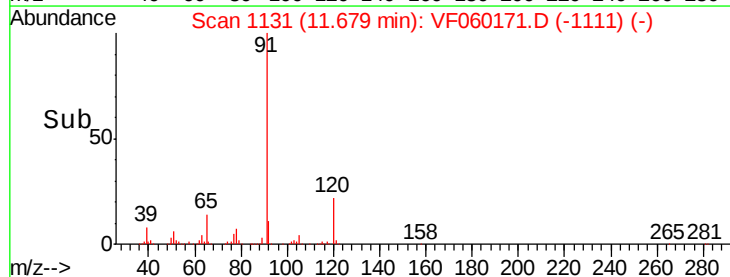
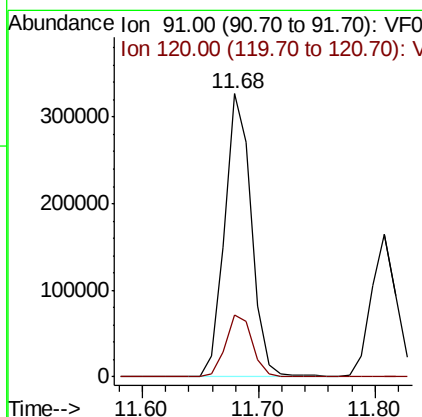
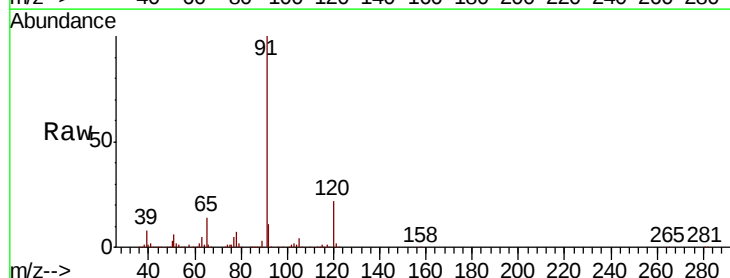
RT: 11.68 min Scan# 1131

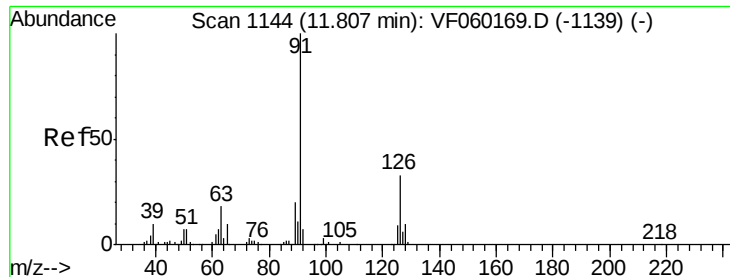
Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.8	10.8	32.3	





#79

2-Chlorotoluene

Concen: 110.32 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 245293

Ion Ratio Lower Upper

91 100

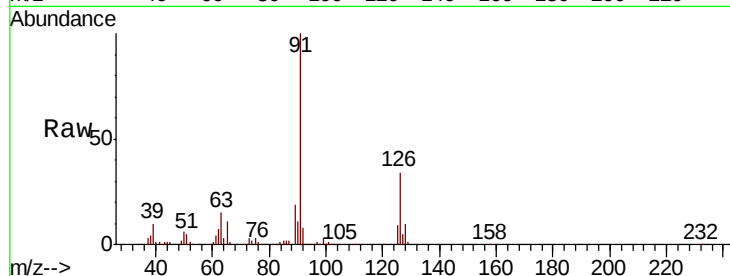
126 34.0 16.4 49.1

Manual Integrations

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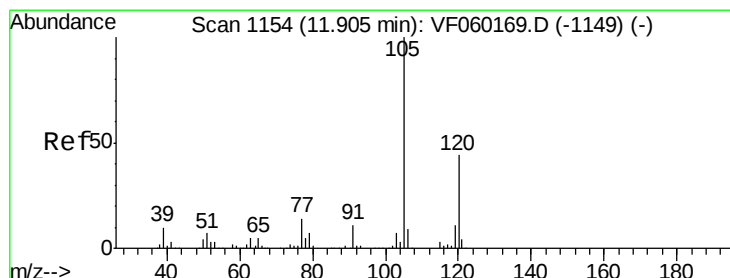
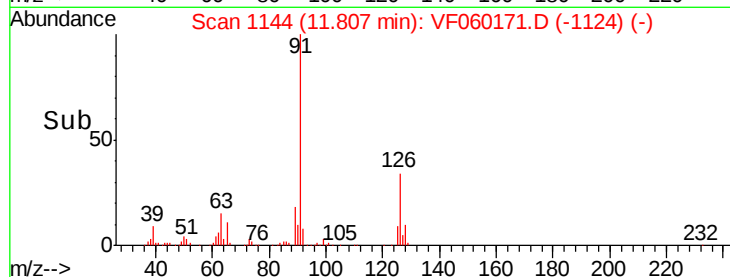
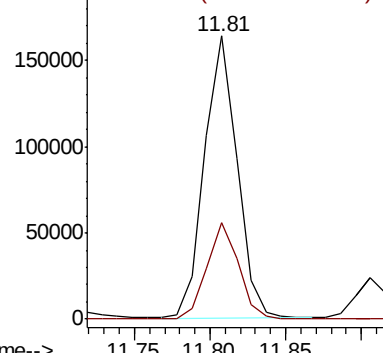
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 107.44 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VF060171.D

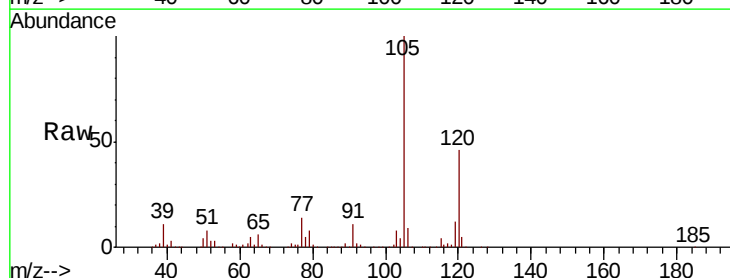
Acq: 29 Aug 2018 2:21

Tgt Ion:105 Resp: 326102

Ion Ratio Lower Upper

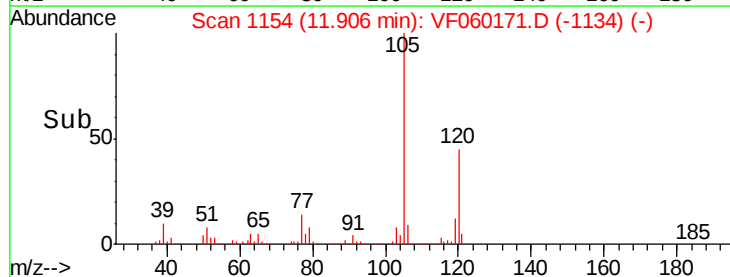
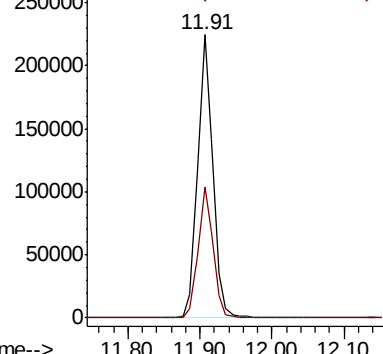
105 100

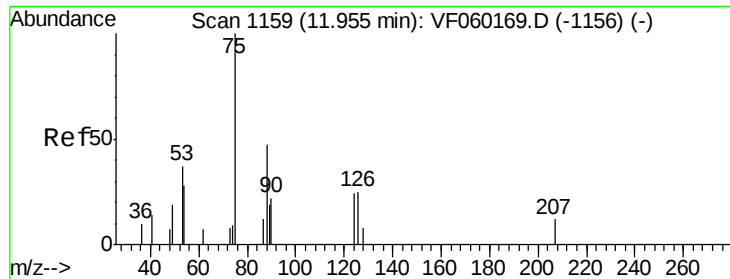
120 46.2 22.1 66.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 112.27 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Instrument :

MSVOA_F

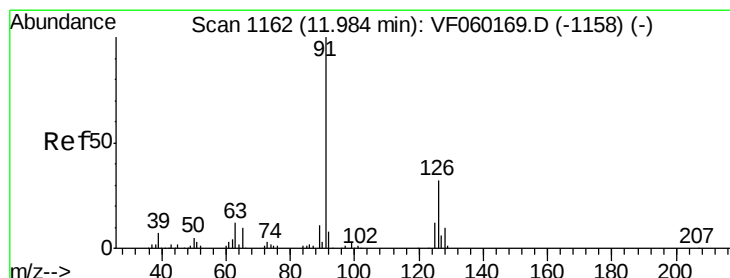
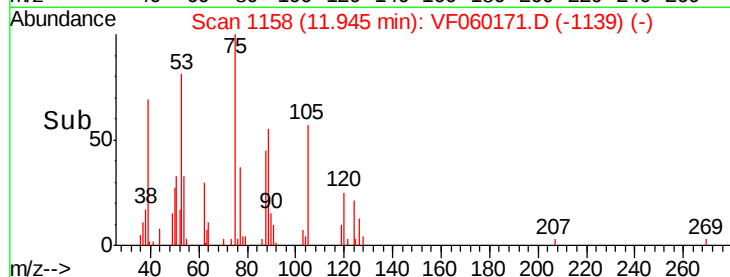
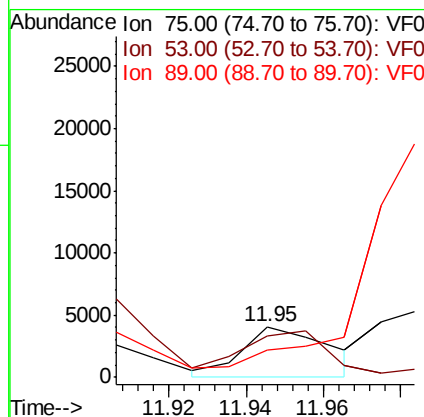
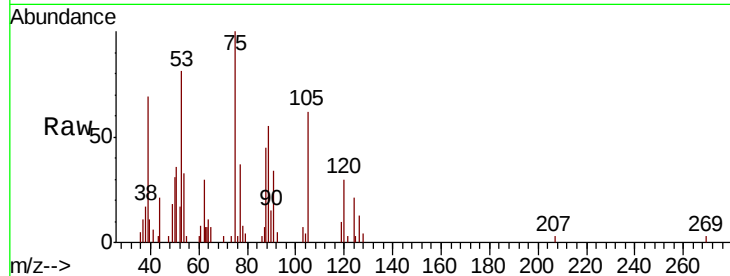
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	6307
Ion Ratio	Lower	Upper	
75	100		
53	81.1	53.4	80.0#
89	54.7	28.9	43.3#

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#82

4-Chlorotoluene

Concen: 108.73 ug/l

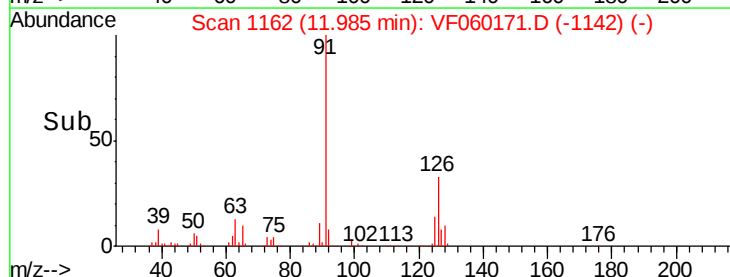
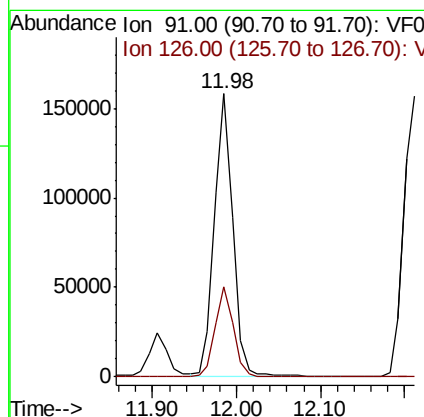
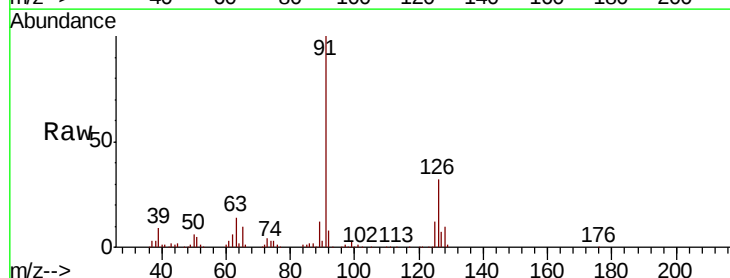
RT: 11.98 min Scan# 1162

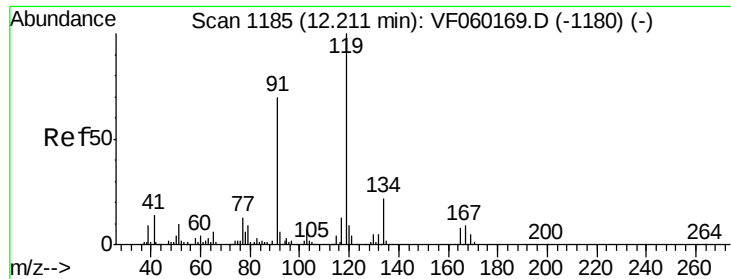
Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Tgt Ion:	91	Resp:	240974
Ion Ratio	Lower	Upper	
91	100		
126	31.7	16.1	48.2





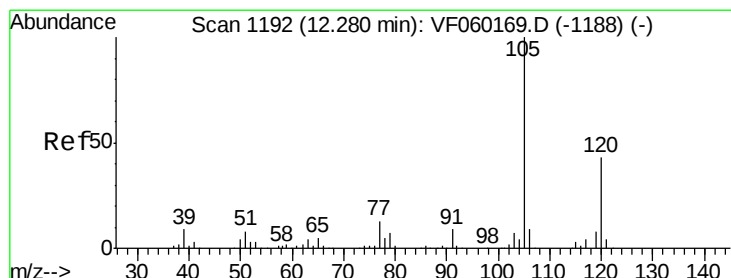
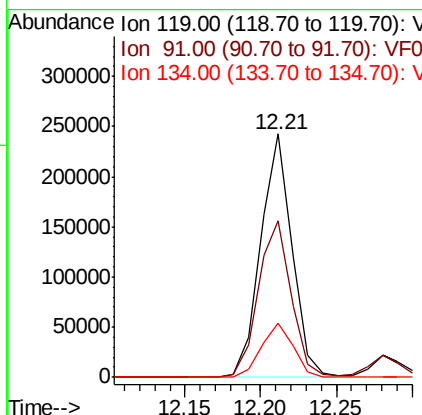
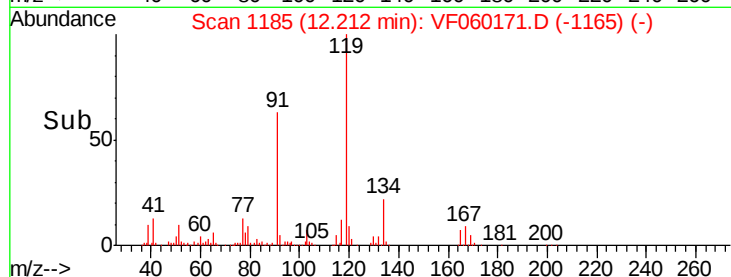
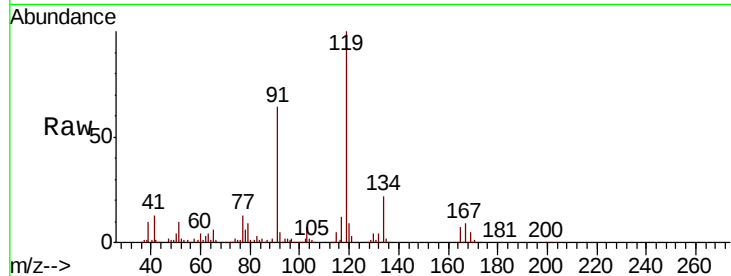
#83
tert-Butylbenzene
Concen: 112.11 ug/l
RT: 12.21 min Scan# 1185
Delta R.T. 0.00 min
Lab File: VF060171.D
Acq: 29 Aug 2018 2:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		352949		
91	64.5	35.3	105.7		
134	22.0	11.2	33.5		

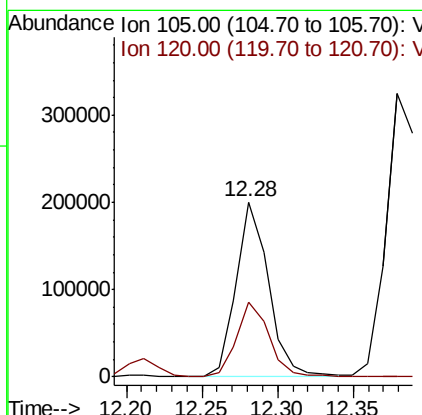
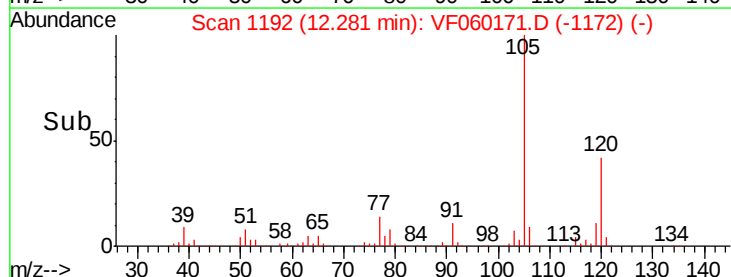
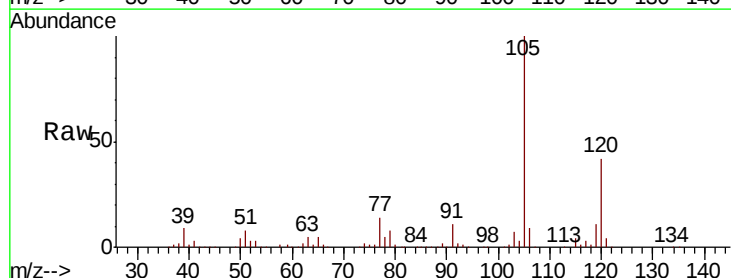
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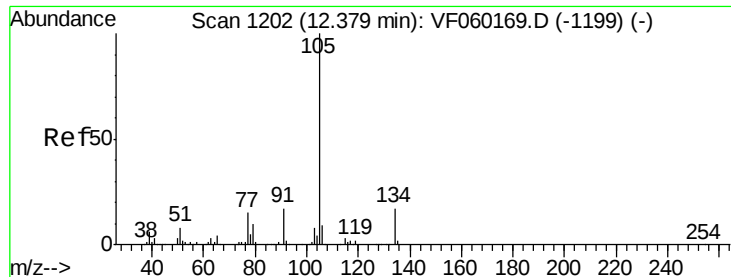
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#84
1,2,4-Trimethylbenzene
Concen: 118.38 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. 0.00 min
Lab File: VF060171.D
Acq: 29 Aug 2018 2:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		299112		
120	42.4	21.9	65.7		





#85

sec-Butylbenzene

Concen: 104.95 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 505765

Ion Ratio Lower Upper

105 100

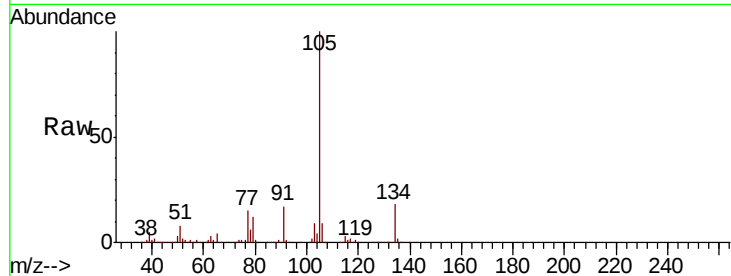
134 18.5 8.4 25.2

Manual Integrations

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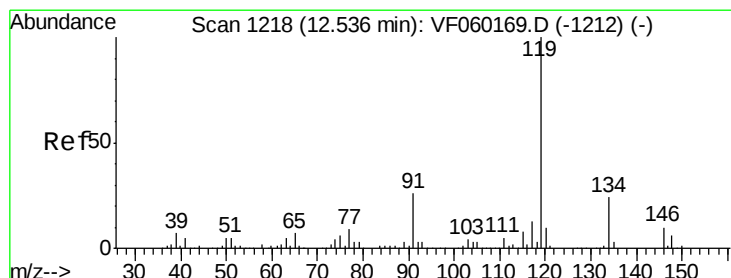
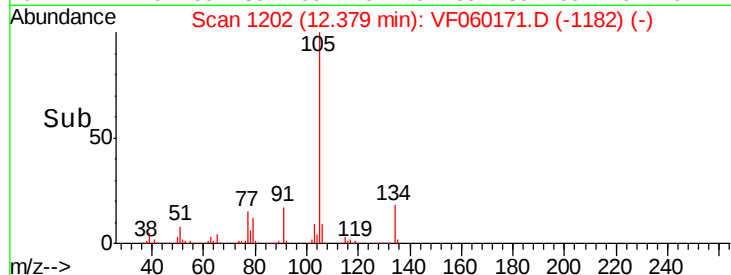
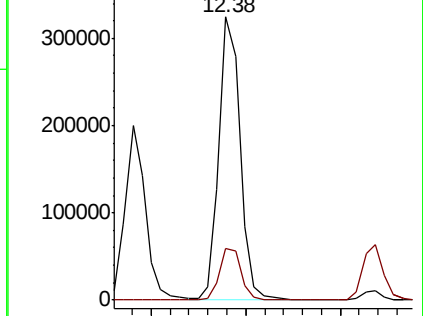
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 117.22 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

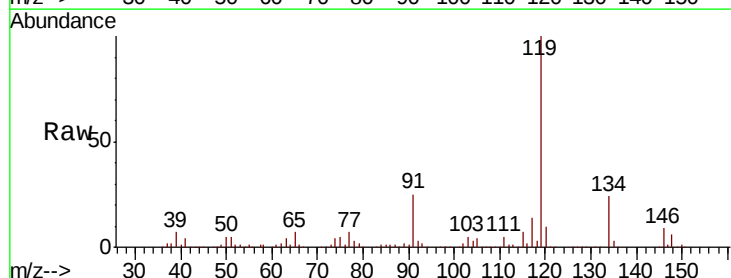
Tgt Ion:119 Resp: 404799

Ion Ratio Lower Upper

119 100

134 23.8 11.9 35.9

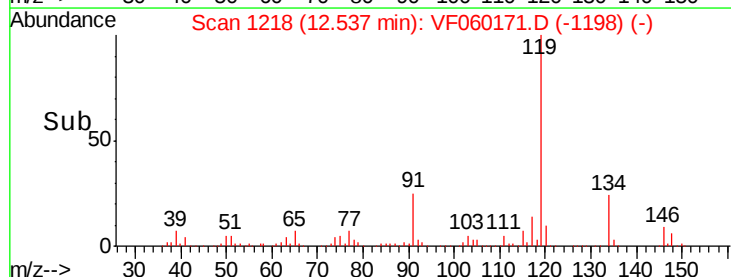
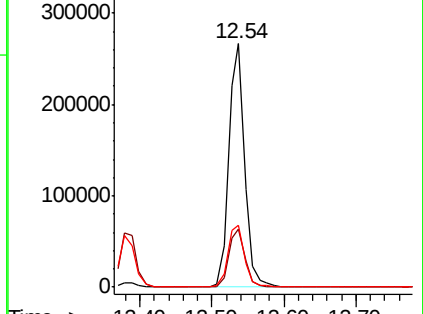
91 25.4 13.0 39.0

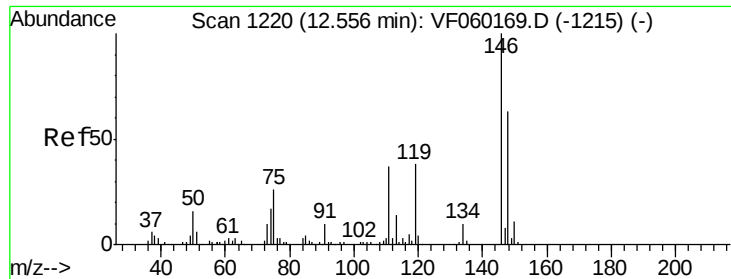


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 95.91 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Instrument :

MSVOA_F

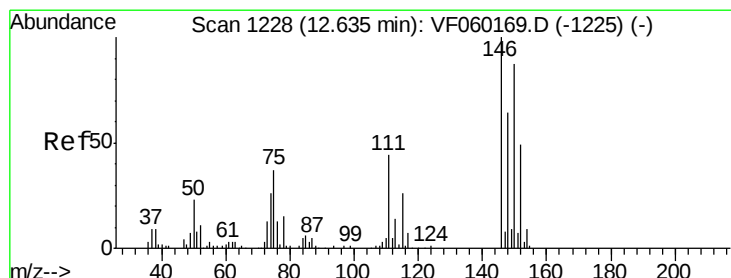
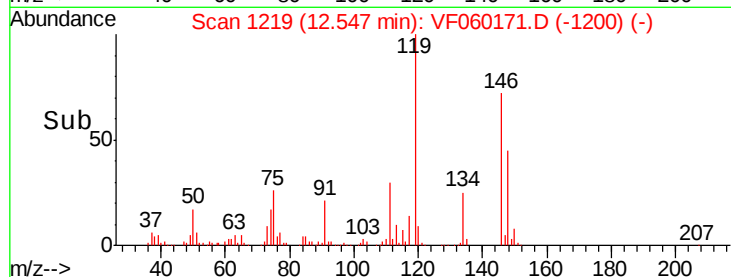
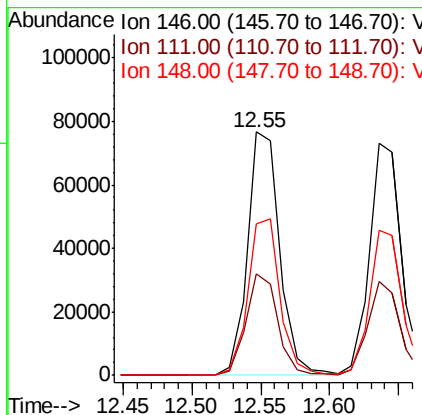
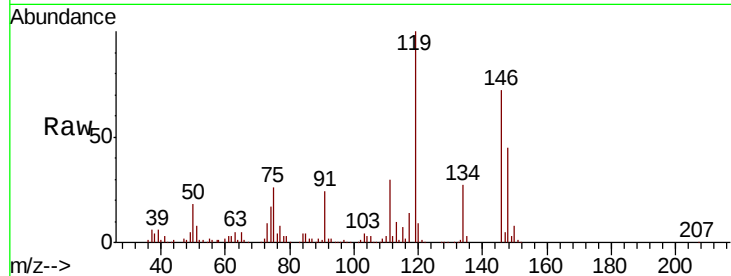
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	125306
Ion Ratio	Lower	Upper	
146	100		
111	41.9	18.8	56.3
148	62.4	31.6	94.8

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#88

1,4-Dichlorobenzene

Concen: 105.65 ug/l

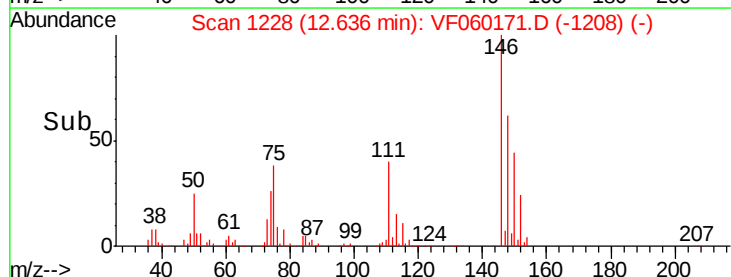
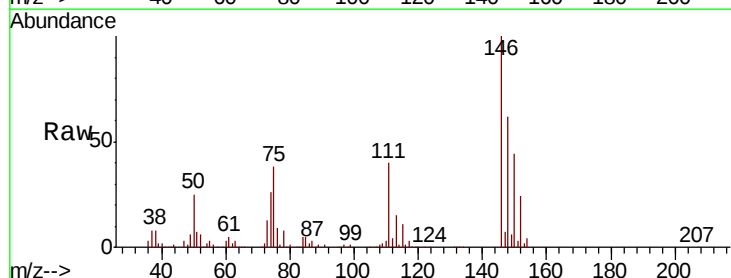
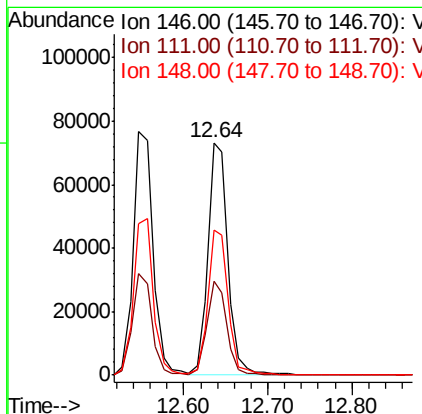
RT: 12.64 min Scan# 1228

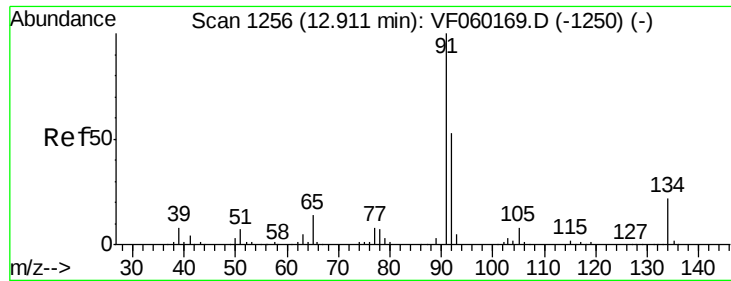
Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Tgt Ion:	146	Resp:	120135
Ion Ratio	Lower	Upper	
146	100		
111	40.4	22.1	66.3
148	62.3	32.0	96.2





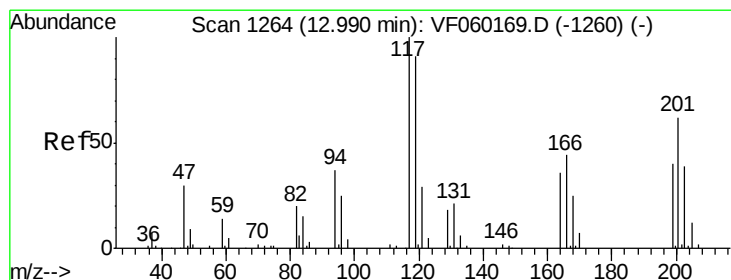
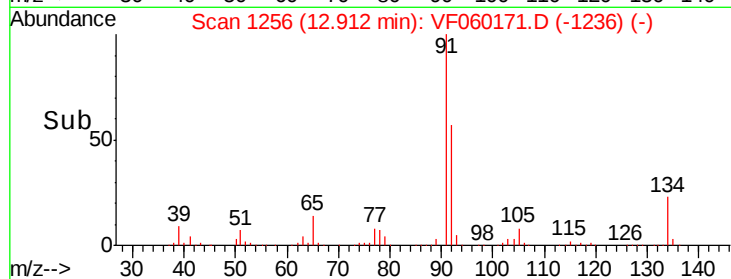
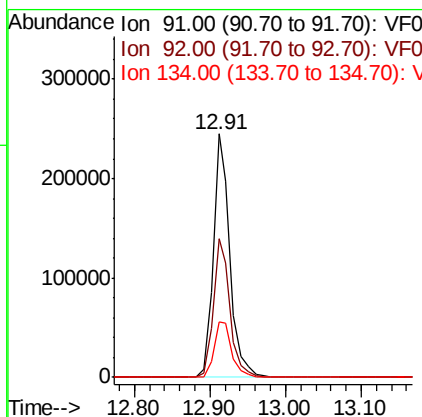
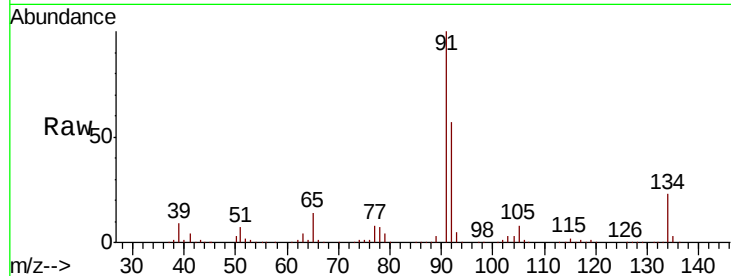
#89
n-Butylbenzene
Concen: 134.83 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VF060171.D
Acq: 29 Aug 2018 2:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	56.8	26.7	80.0
134	22.6	11.0	33.0

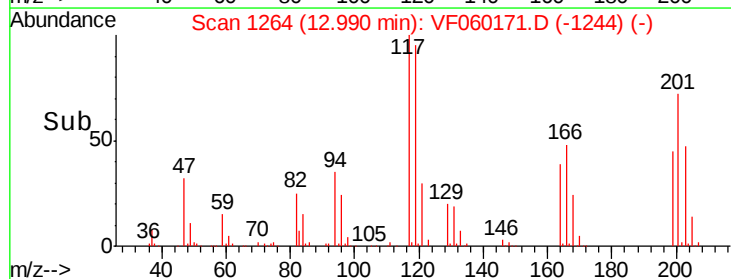
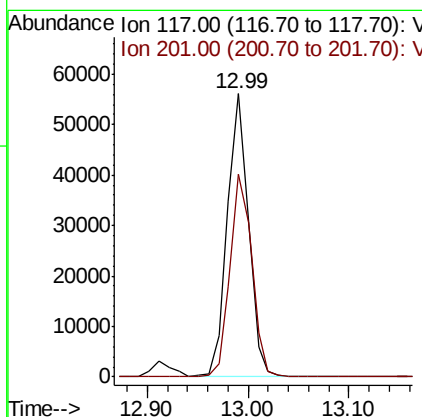
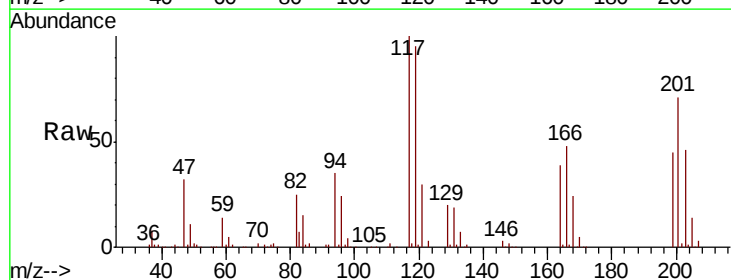
Manual Integrations
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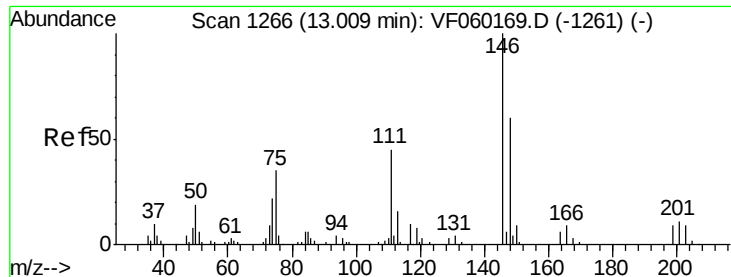
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#90
Hexachloroethane
Concen: 108.54 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF060171.D
Acq: 29 Aug 2018 2:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.4	32.0	96.2





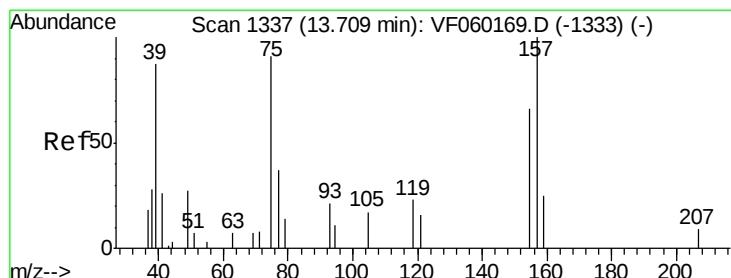
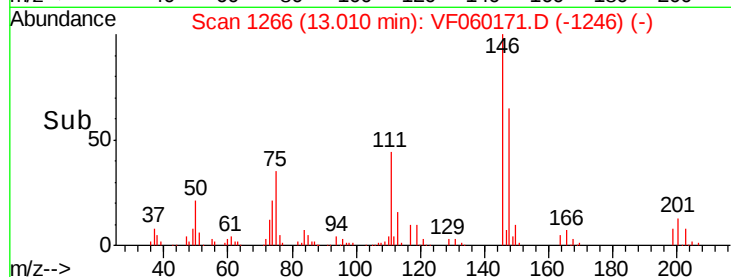
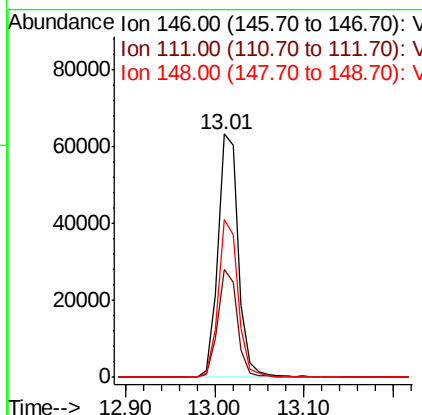
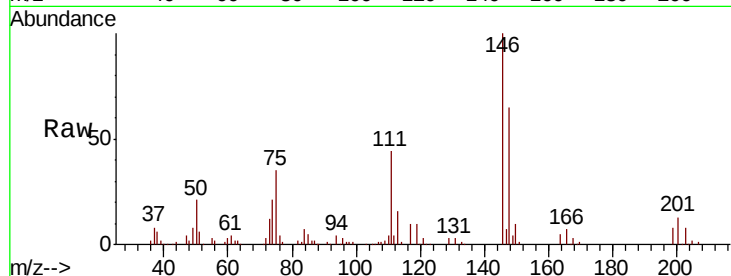
#91
 1,2-Dichlorobenzene
 Concen: 103.98 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VF060171.D
 Acq: 29 Aug 2018 2:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.7	68.1
148	64.9	30.0	90.1

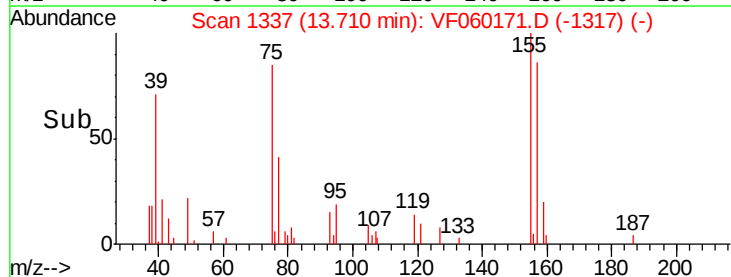
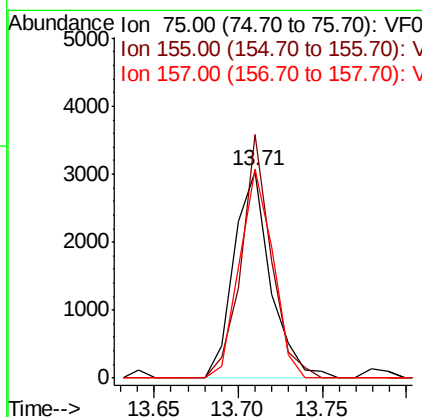
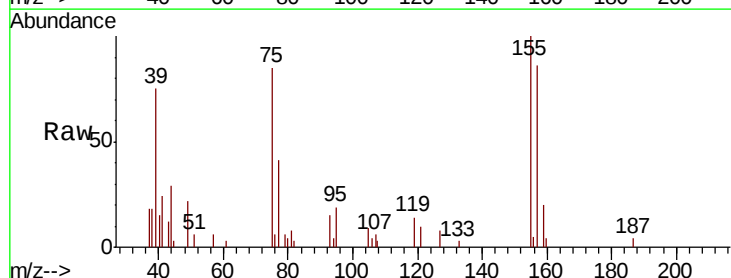
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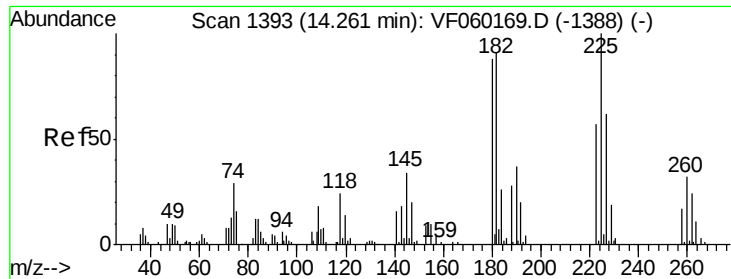
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 98.18 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF060171.D
 Acq: 29 Aug 2018 2:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	117.8	36.0	108.0#
157	100.9	54.9	164.5





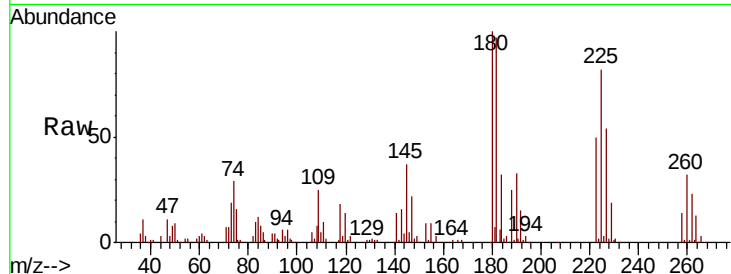
#93
1,2,4-Trichlorobenzene
Concen: 146.59 ug/l
RT: 14.26 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VF060171.D
Acq: 29 Aug 2018 2:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.0	51.8	155.5	
145	37.3	19.3	57.9	

Manual Integrations
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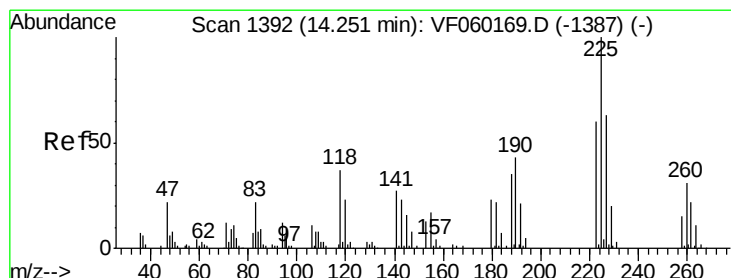
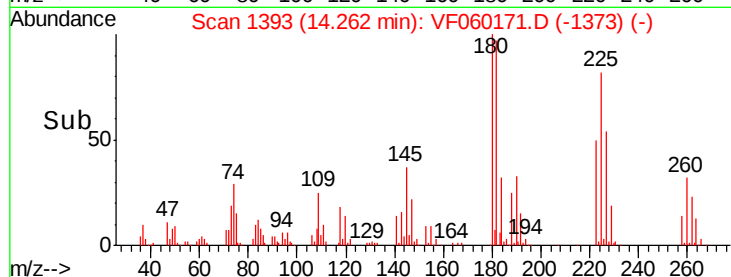
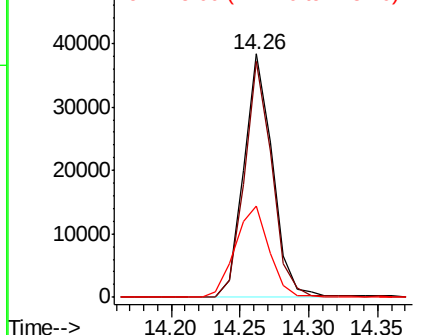


Abundance

Ion 180.00 (179.70 to 180.70): V

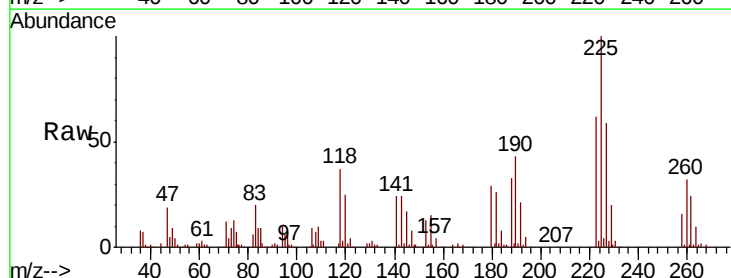
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
Hexachlorobutadiene
Concen: 104.42 ug/l
RT: 14.25 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VF060171.D
Acq: 29 Aug 2018 2:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.4	30.0	90.0	
227	59.4	31.4	94.2	

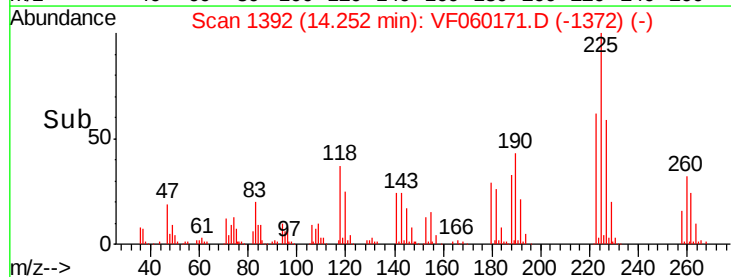
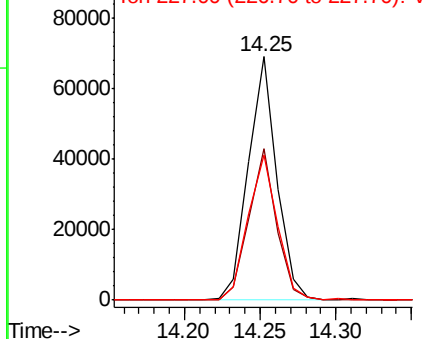


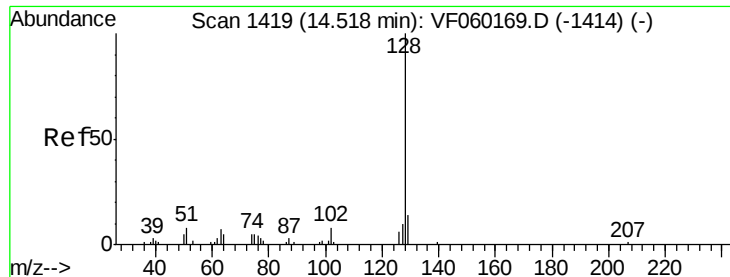
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 175.10 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Instrument :

MSVOA_F

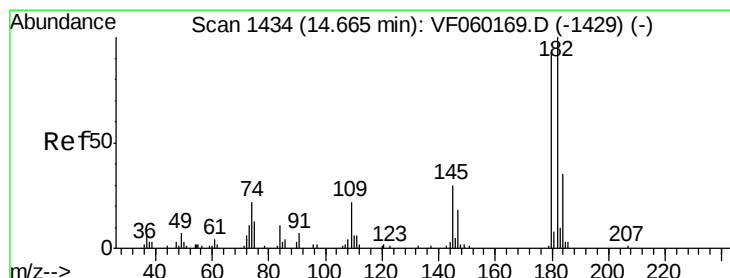
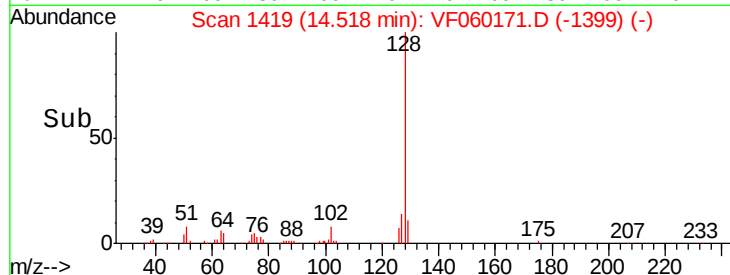
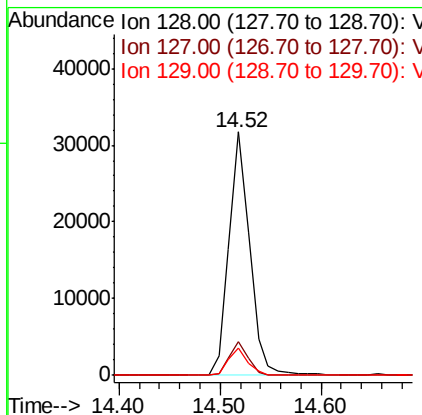
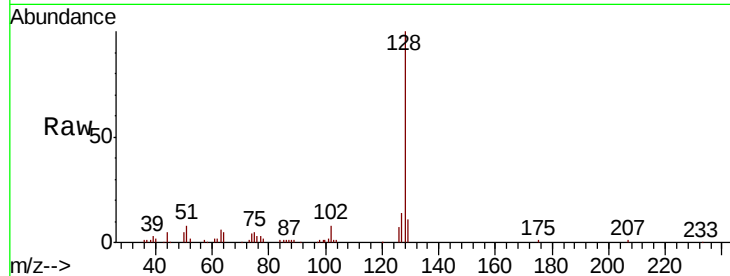
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	45445
Ion Ratio	Lower	Upper	
128	100		
127	13.7	8.3	12.5#
129	11.0	11.5	17.3#

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#96

1,2,3-Trichlorobenzene

Concen: 145.82 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VF060171.D

Acq: 29 Aug 2018 2:21

Tgt Ion:	180	Resp:	44872
Ion Ratio	Lower	Upper	
180	100		
182	92.5	53.6	160.8
145	32.9	16.2	48.6

