

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112618\
 Data File : VF060831.D
 Acq On : 26 Nov 2018 19:28
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 11/27/2018 3:17:06 PM

Quant Time: Nov 27 01:08:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 00:28:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.91	168	192006	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.64	114	328753	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.81	117	304560	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.58	152	160554	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.89	65	242170	108.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	217.76%	
35) Dibromofluoromethane	4.16	113	250124	98.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.90%	
50) Toluene-d8	7.59	98	736208	99.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.16%	
62) 4-Bromofluorobenzene	11.44	95	333603	96.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	193.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	276353	83.378	ug/l	100
3) Chloromethane	1.11	50	169613	83.356	ug/l	99
4) Vinyl Chloride	1.16	62	166447	89.948	ug/l	97
5) Bromomethane	1.34	94	114088	95.209	ug/l	97
6) Chloroethane	1.40	64	69268	95.650	ug/l	98
7) Trichlorofluoromethane	1.49	101	354945	87.173	ug/l	91
8) Diethyl Ether	1.64	74	49539	93.131	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.85	101	178530	91.370	ug/l	96
10) Methyl Iodide	1.92	142	284929m	91.536	ug/l	
11) Tert butyl alcohol	2.59	59	45285	461.212	ug/l	96
12) 1,1-Dichloroethene	1.81	96	145081	93.261	ug/l	93
13) Acrolein	2.03	56	46110	496.670	ug/l	91
14) Allyl chloride	2.12	41	180735m	66.743	ug/l	
15) Acrylonitrile	2.97	53	101937	485.978	ug/l	96
16) Acetone	2.26	43	188384	419.725	ug/l	97
17) Carbon Disulfide	1.85	76	388521	85.092	ug/l	98
18) Methyl Acetate	2.37	43	69873	93.204	ug/l	97
19) Methyl tert-butyl Ether	2.45	73	340531	92.782	ug/l	97
20) Methylene Chloride	2.21	84	135272m	78.280	ug/l	
21) trans-1,2-Dichloroethene	2.33	96	143482	90.565	ug/l	99
22) Diisopropyl ether	2.83	45	497766	95.039	ug/l	97
23) Vinyl Acetate	3.22	43	1191477	488.730	ug/l	98
24) 1,1-Dichloroethane	2.91	63	312266	97.524	ug/l	99
25) 2-Butanone	4.38	43	335450	443.084	ug/l	98
26) 2,2-Dichloropropane	3.64	77	186893	76.740	ug/l	100
27) cis-1,2-Dichloroethene	3.51	96	232236	86.274	ug/l	97
28) Bromochloromethane	3.75	49	136157	84.248	ug/l	91
29) Tetrahydrofuran	4.11	42	136250	435.557	ug/l	97
30) Chloroform	3.90	83	431747	86.183	ug/l	100
31) Cyclohexane	3.73	56	291590m	77.717	ug/l	
32) 1,1,1-Trichloroethane	4.14	97	300885	76.509	ug/l	98
36) 1,1-Dichloropropene	4.33	75	318688	84.012	ug/l	99
37) Ethyl Acetate	4.16	43	130118	90.901	ug/l	90
38) Carbon Tetrachloride	4.03	117	288250	78.131	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	336930	77.916	ug/l	97
40) Benzene	4.67	78	691073	81.935	ug/l	99
41) Methacrylonitrile	4.79	41	72577	84.671	ug/l	90
42) 1,2-Dichloroethane	4.99	62	280995	94.477	ug/l	97
43) Isopropyl Acetate	6.99	43	174543	91.397	ug/l	97
44) Trichloroethene	5.54	130	226290	84.030	ug/l	94
45) 1,2-Dichloropropane	6.28	63	191538	85.736	ug/l	97
46) Dibromomethane	6.12	93	139759	95.469	ug/l	96
47) Bromodichloromethane	6.43	83	350845	94.004	ug/l	99
48) Methyl methacrylate	6.75	41	123908	96.976	ug/l	96
49) 1,4-Dioxane	6.74	88	18512	1587.596	ug/l #	85
51) 4-Methyl-2-Pentanone	8.29	43	597719	437.317	ug/l	99
52) Toluene	7.67	92	493942	87.241	ug/l	99
53) t-1,3-Dichloropropene	8.32	75	272688	90.113	ug/l	98
54) cis-1,3-Dichloropropene	7.34	75	347391	87.811	ug/l	97
55) 1,1,2-Trichloroethane	8.53	97	153281	93.876	ug/l	97
56) Ethyl methacrylate	8.66	69	168632	89.950	ug/l	99
57) 1,3-Dichloropropane	8.89	76	269468	93.592	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.33	63	87689	514.697	ug/l	99
59) 2-Hexanone	9.52	43	411995	426.690	ug/l	96
60) Dibromochloromethane	8.75	129	232073	98.299	ug/l	98
61) 1,2-Dibromoethane	9.02	107	169027	98.089	ug/l	94
64) Tetrachloroethene	8.19	164	210599	90.031	ug/l	98
65) Chlorobenzene	9.84	112	554027	90.663	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.97	131	229415	87.674	ug/l	97
67) Ethyl Benzene	9.94	91	991088	86.595	ug/l	95
68) m/p-Xylenes	10.17	106	661766	162.368	ug/l	95
69) o-Xylene	10.75	106	383614	84.035	ug/l	94
70) Styrene	10.83	104	542852	87.098	ug/l	99
71) Bromoform	10.81	173	123562	103.929	ug/l	96
73) Isopropylbenzene	11.15	105	1092130	84.884	ug/l	96
74) N-amyl acetate	11.40	43	272933	91.931	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.72	83	190634	89.918	ug/l	99
76) 1,2,3-Trichloropropane	11.82	75	137692	86.431	ug/l	96
77) Bromobenzene	11.53	156	251940	92.400	ug/l	89
78) n-propylbenzene	11.63	91	1226826	80.701	ug/l	94
79) 2-Chlorotoluene	11.75	91	723942	82.860	ug/l	97
80) 1,3,5-Trimethylbenzene	11.85	105	868768	84.672	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.89	75	63928m	82.756	ug/l	
82) 4-Chlorotoluene	11.93	91	767485	85.489	ug/l	93
83) tert-Butylbenzene	12.16	119	871041	81.161	ug/l	94
84) 1,2,4-Trimethylbenzene	12.23	105	889318	83.647	ug/l	100
85) sec-Butylbenzene	12.34	105	1202373	81.914	ug/l	95
86) p-Isopropyltoluene	12.48	119	1000527	82.110	ug/l	96
87) 1,3-Dichlorobenzene	12.50	146	446419	83.439	ug/l	97
88) 1,4-Dichlorobenzene	12.59	146	459145	89.576	ug/l	96
89) n-Butylbenzene	12.87	91	1010806	80.030	ug/l	95
90) Hexachloroethane	12.95	117	255345	85.537	ug/l	76
91) 1,2-Dichlorobenzene	12.97	146	430540	84.882	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.67	75	39343	98.807	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	313963	87.448	ug/l	96
94) Hexachlorobutadiene	14.21	225	213731	91.759	ug/l	99
95) Naphthalene	14.48	128	654366	99.642	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	313556	95.328	ug/l	99

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

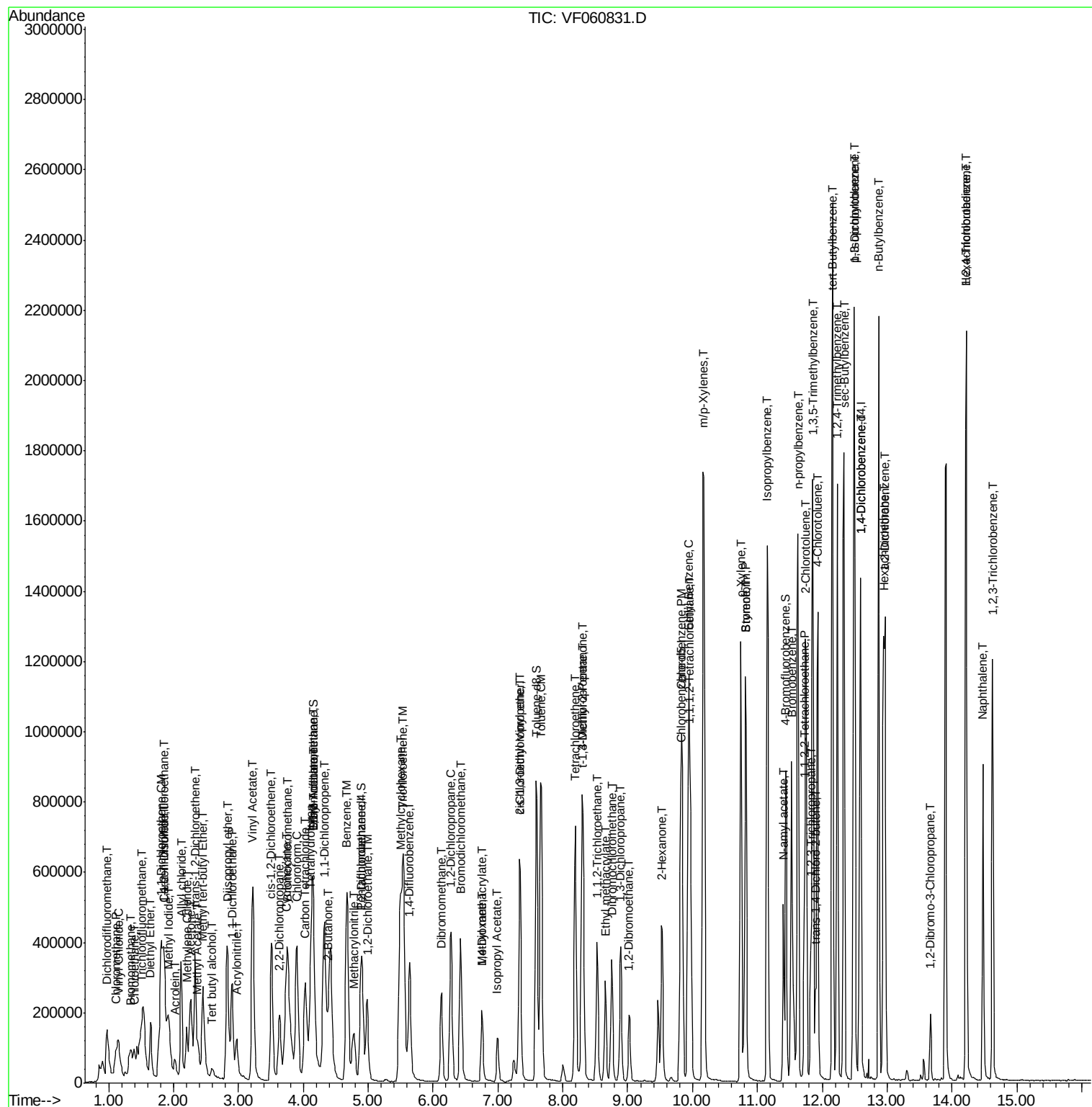
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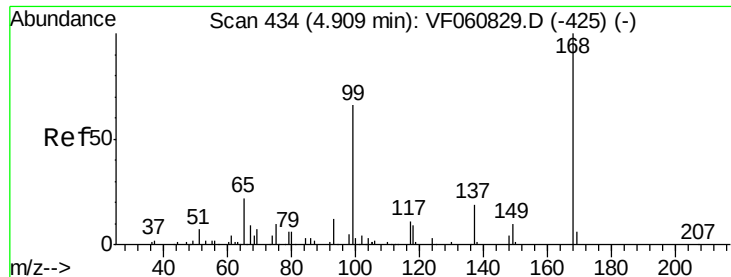
Instrument :
MSVOA_F
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VSTDICC100

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.91 min Scan# 434

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 192006

Ion Ratio Lower Upper

168 100

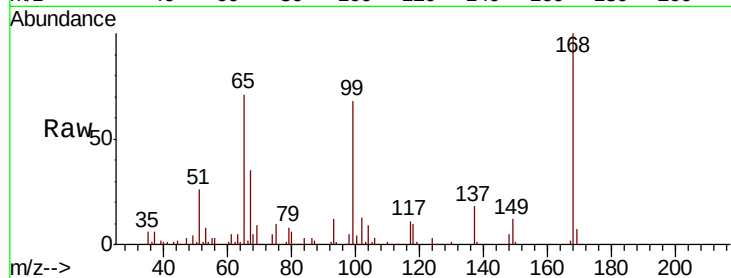
99 67.7 52.6 79.0

Manual Integrations

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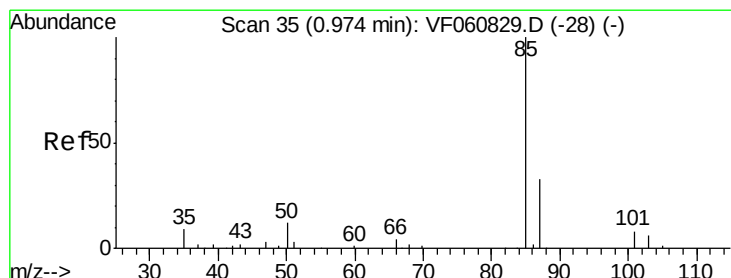
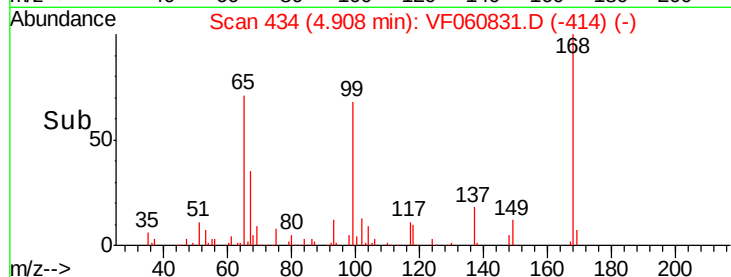
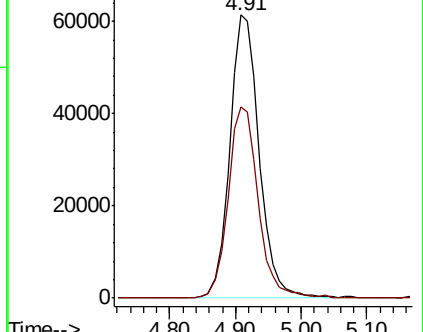
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 83.378 ug/l

RT: 0.97 min Scan# 35

Delta R.T. -0.00 min

Lab File: VF060831.D

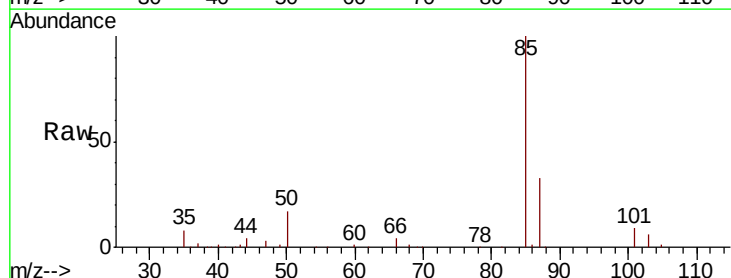
Acq: 26 Nov 2018 19:28

Tgt Ion: 85 Resp: 276353

Ion Ratio Lower Upper

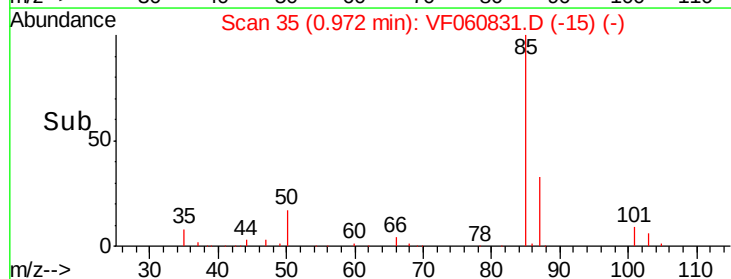
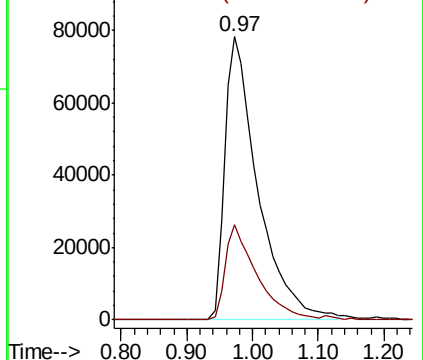
85 100

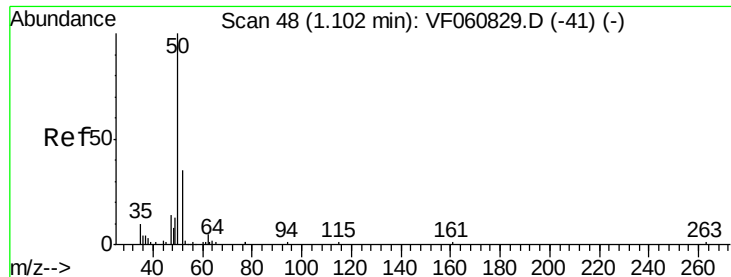
87 33.4 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 83.356 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 169613

Ion Ratio Lower Upper

50 100

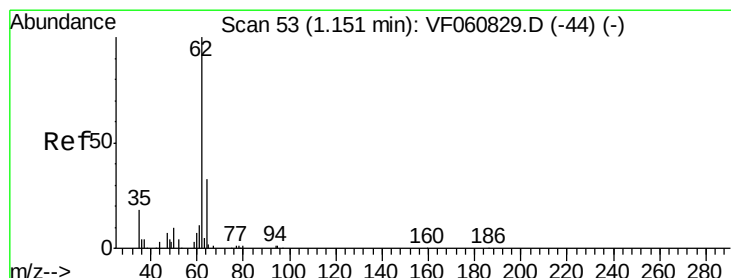
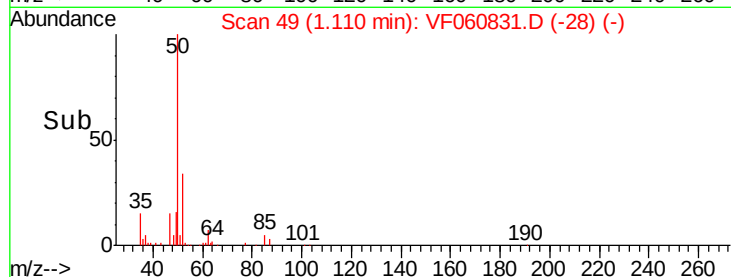
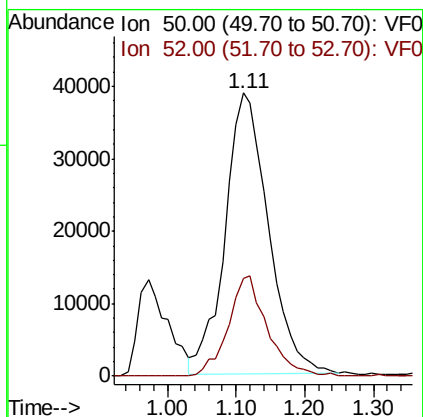
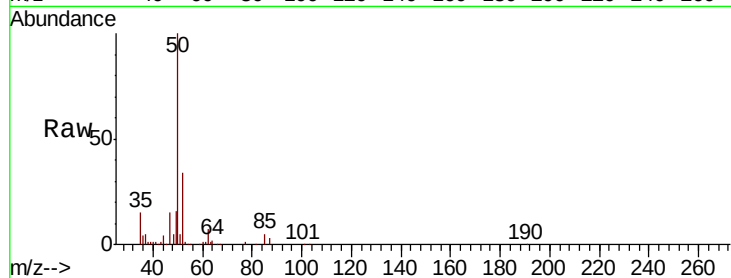
52 34.4 27.0 40.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 89.948 ug/l

RT: 1.16 min Scan# 54

Delta R.T. 0.01 min

Lab File: VF060831.D

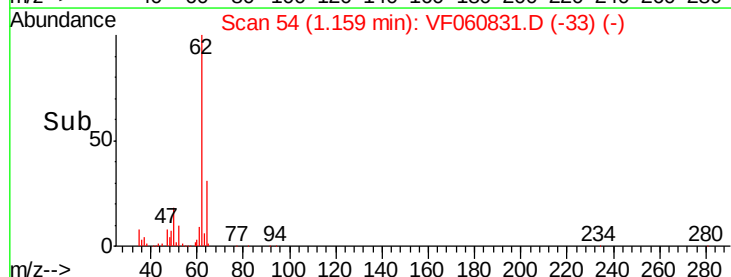
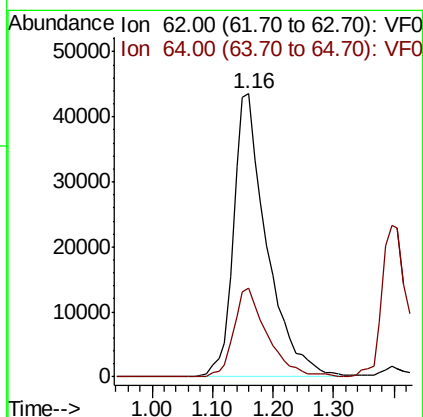
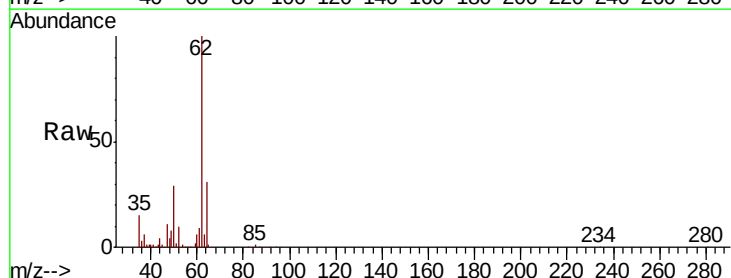
Acq: 26 Nov 2018 19:28

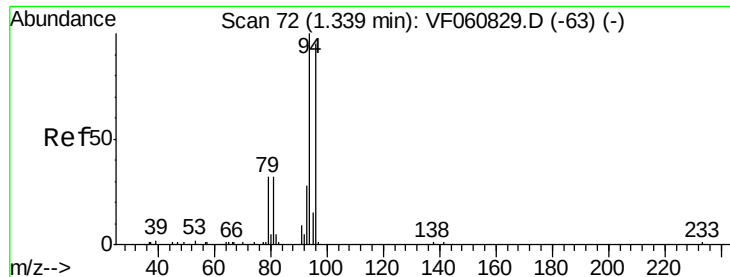
Tgt Ion: 62 Resp: 166447

Ion Ratio Lower Upper

62 100

64 31.5 26.4 39.6





#5

Bromomethane

Concen: 95.209 ug/l

RT: 1.34 min Scan# 72

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

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MSVOA_F

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VSTDIC100

Tot Ion: 94 Resp: 114088

Ion Ratio Lower Upper

94 100

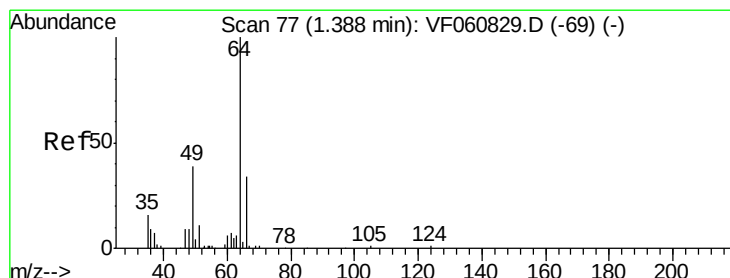
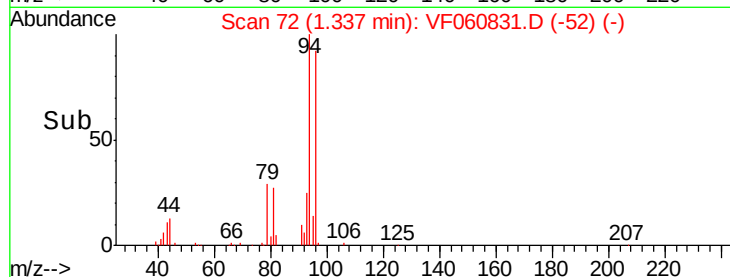
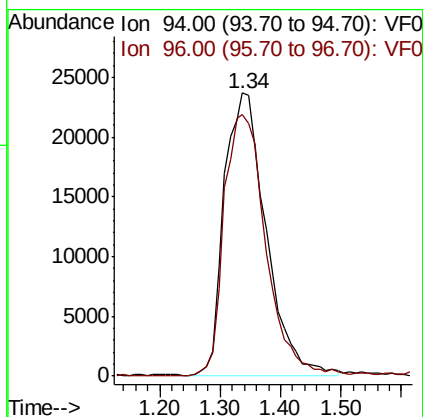
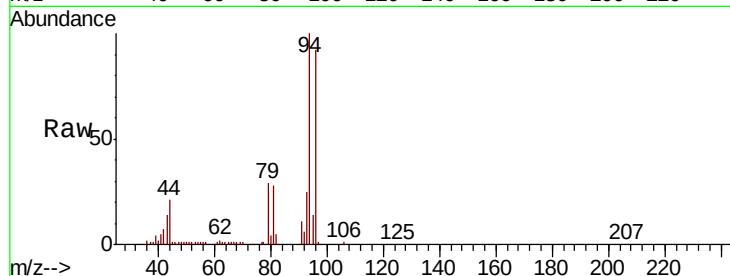
96 92.3 75.9 113.9

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#6

Chloroethane

Concen: 95.650 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.01 min

Lab File: VF060831.D

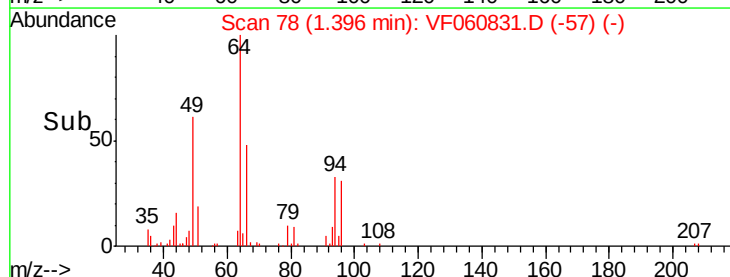
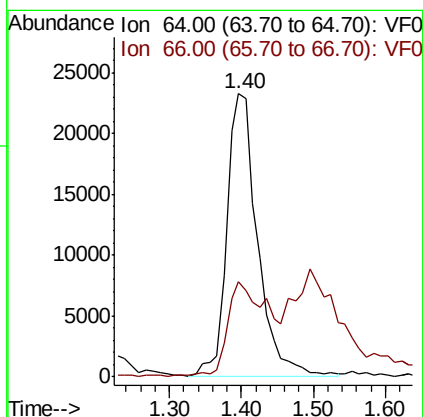
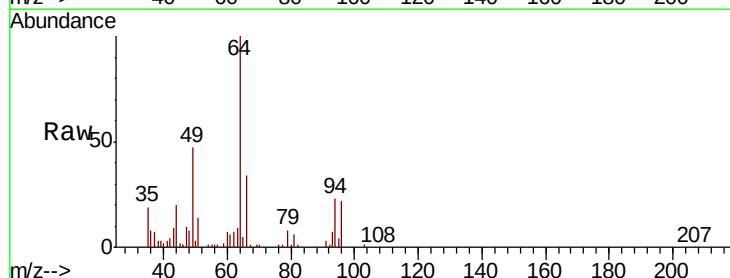
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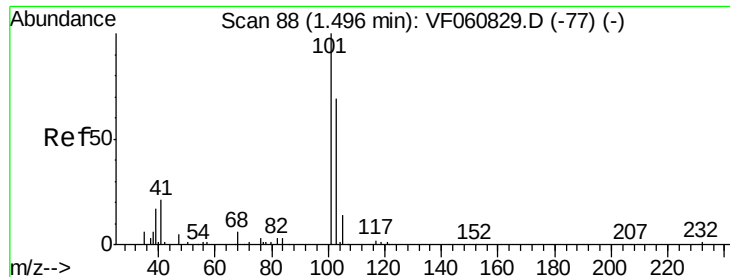
Tgt Ion: 64 Resp: 69268

Ion Ratio Lower Upper

64 100

66 33.8 28.1 42.1





#7

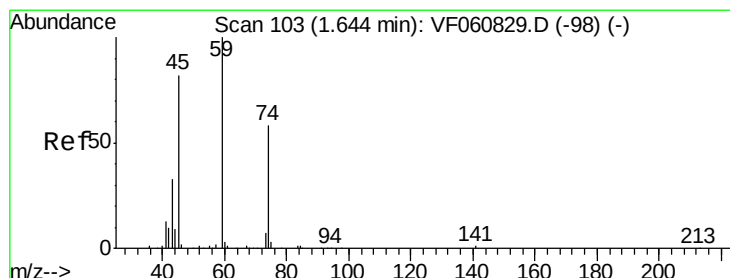
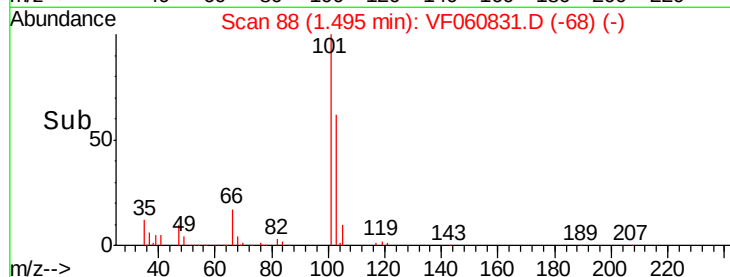
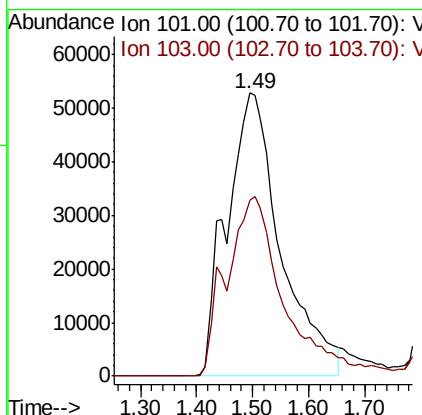
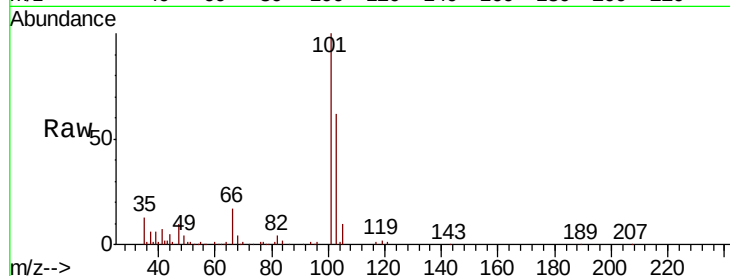
Trichlorofluoromethane
Concen: 87.173 ug/l
RT: 1.49 min Scan# 88
Delta R.T. -0.00 min
Lab File: VF060831.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.0	55.4	83.0

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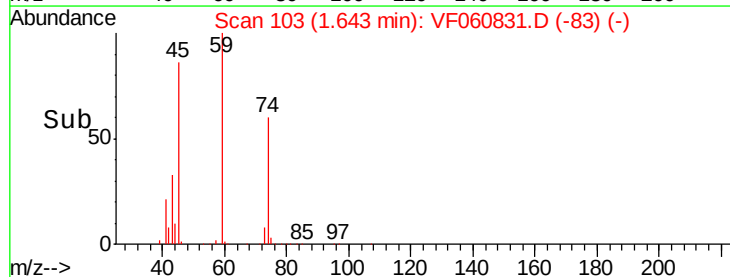
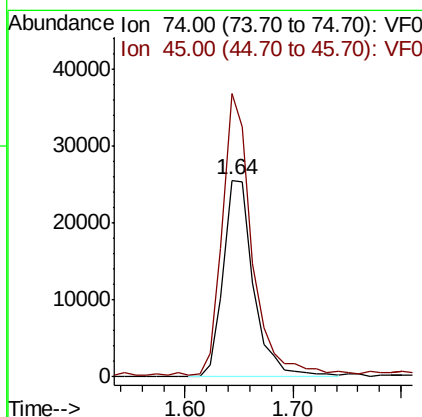
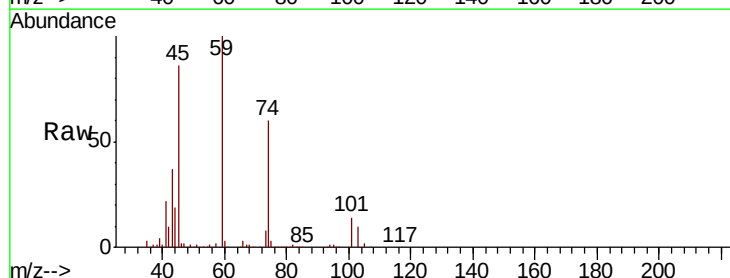
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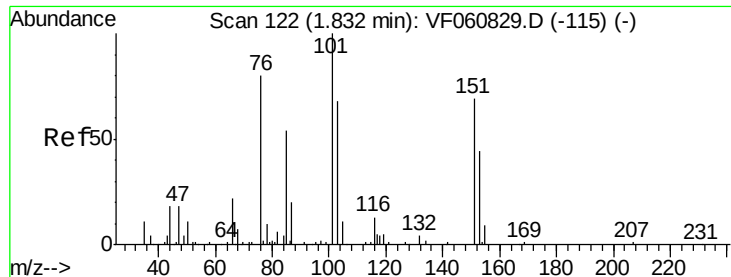


#8

Diethyl Ether
Concen: 93.131 ug/l
RT: 1.64 min Scan# 103
Delta R.T. -0.00 min
Lab File: VF060831.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	143.7	71.0	212.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 91.370 ug/l

RT: 1.85 min Scan# 124

Delta R.T. 0.02 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

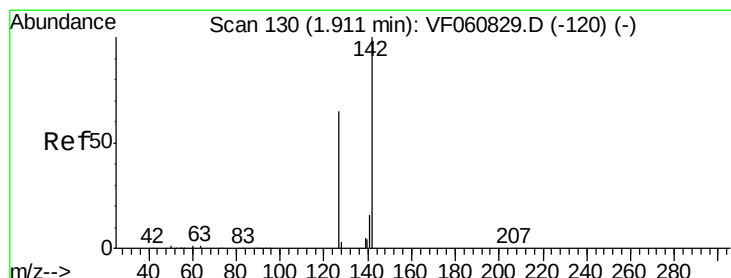
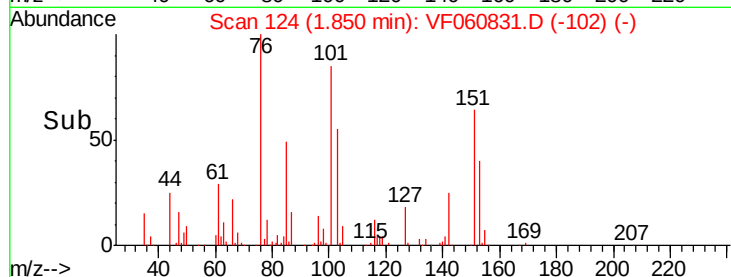
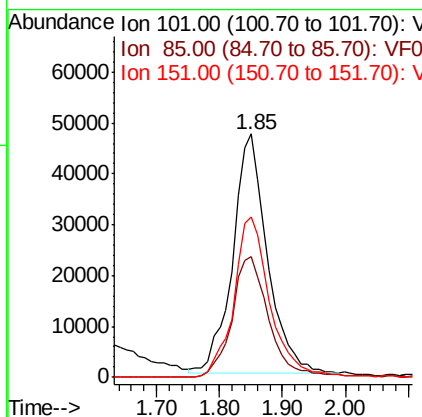
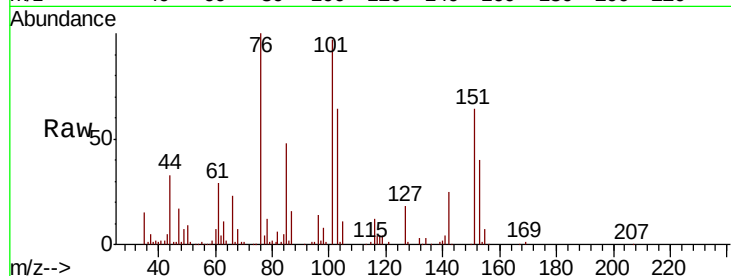
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	178530
Ion Ratio	Lower	Upper	
101	100		
85	49.8	42.8	64.2
151	65.7	54.4	81.6

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#10

Methyl Iodide

Concen: 91.536 ug/l m

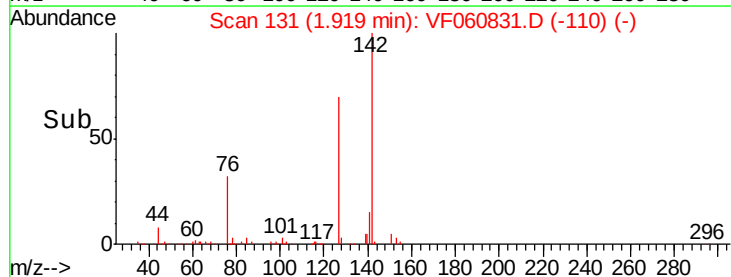
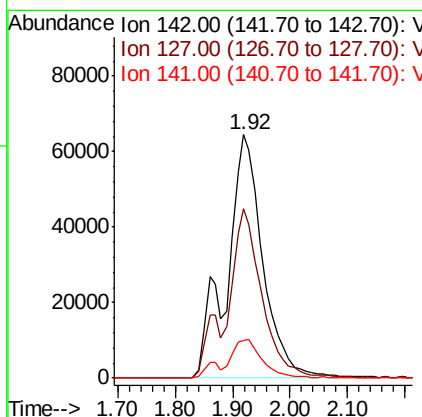
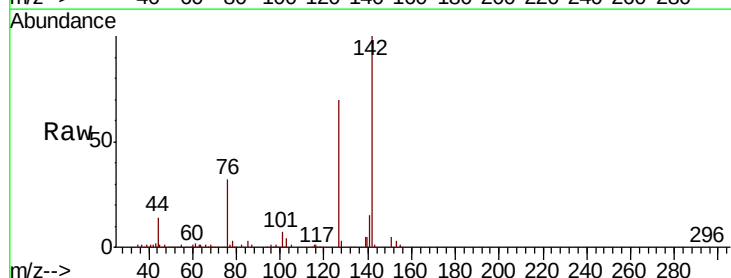
RT: 1.92 min Scan# 131

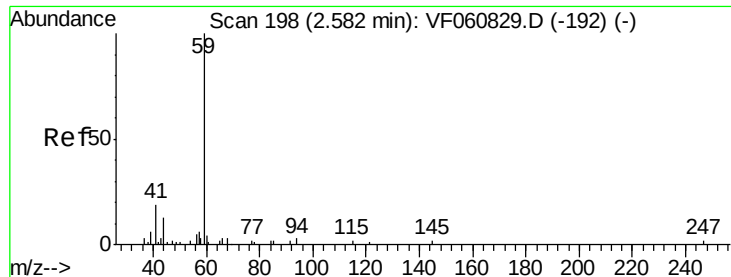
Delta R.T. 0.01 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Tgt Ion:	142	Resp:	284929
Ion Ratio	Lower	Upper	
142	100		
127	69.7	51.9	77.9
141	15.4	12.7	19.1





#11

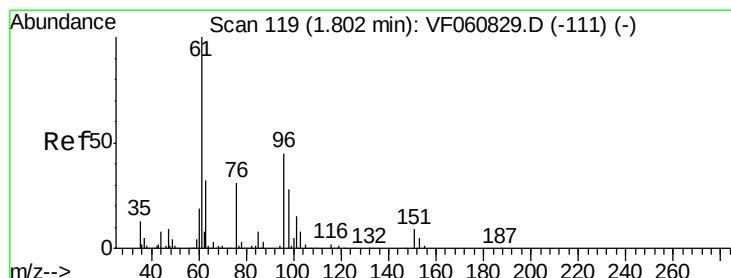
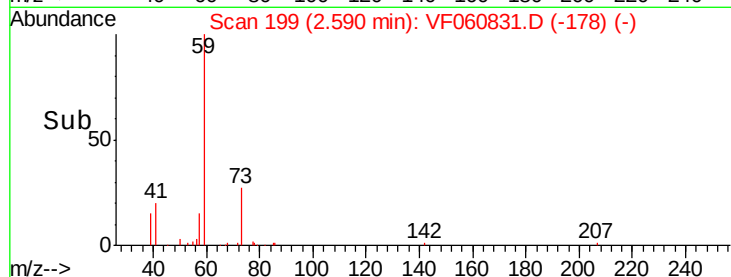
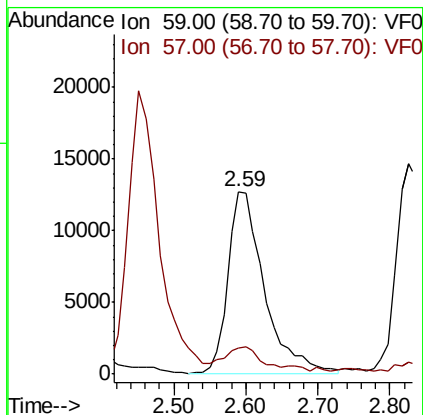
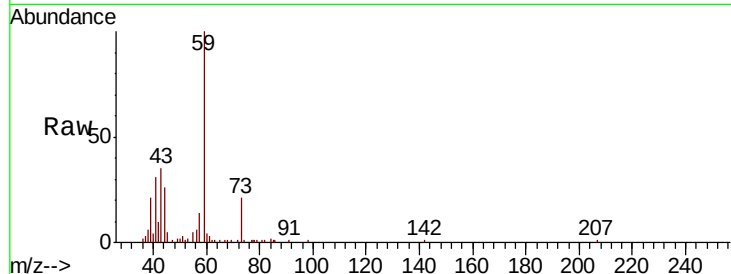
Tert butyl alcohol
Concen: 461.212 ug/l
RT: 2.59 min Scan# 199
Delta R.T. 0.01 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	59	Resp	45285
Ion Ratio	100	Lower	Upper
57	14.2	12.7	19.1

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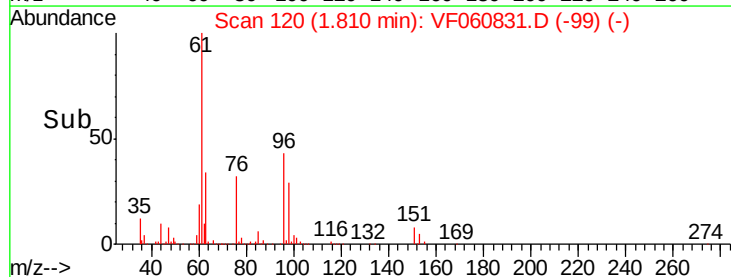
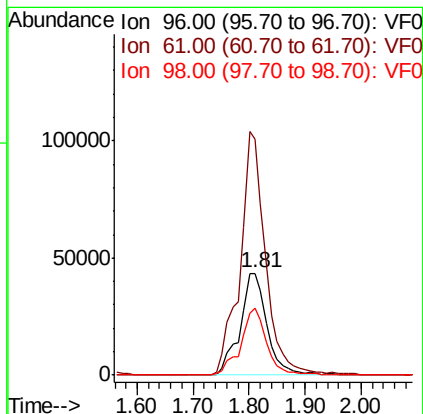
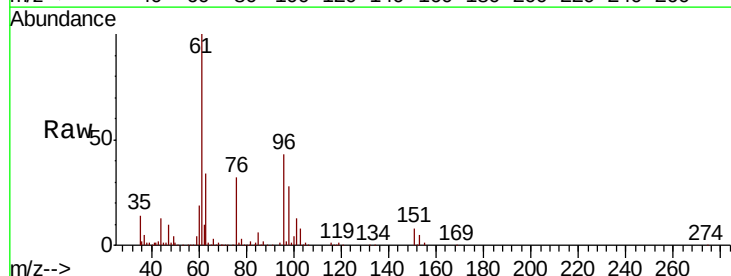
apatel
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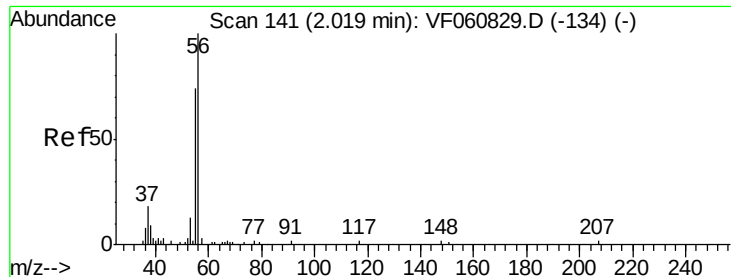


#12

1,1-Dichloroethene
Concen: 93.261 ug/l
RT: 1.81 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Tgt Ion	96	Resp	145081
Ion Ratio	100	Lower	Upper
61	232.8	177.3	265.9
98	66.3	49.6	74.4





#13

Acrolein

Concen: 496.670 ug/l

RT: 2.03 min Scan# 142

Delta R.T. 0.01 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDICC100

Tot Ion: 56 Resp: 46110

Ion Ratio Lower Upper

56 100

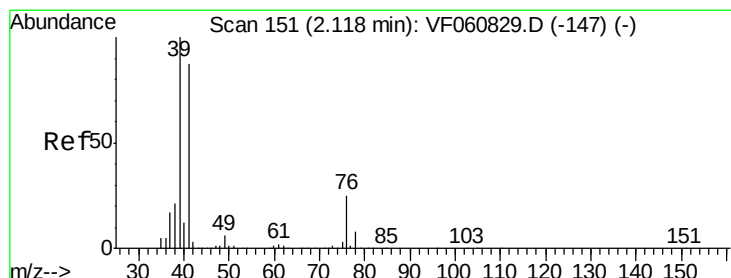
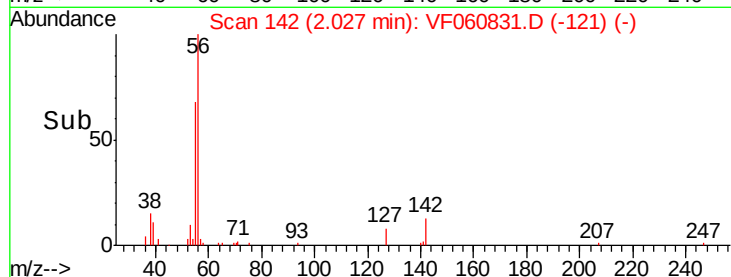
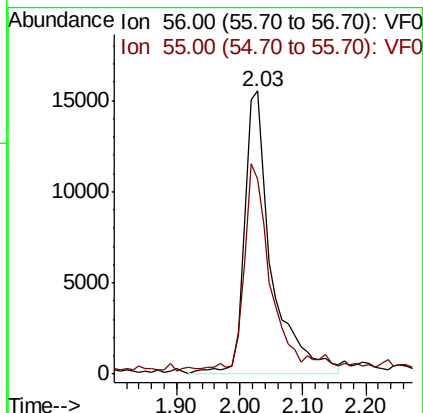
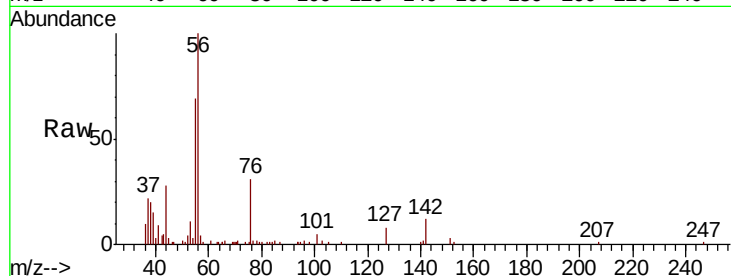
55 69.1 61.2 91.8

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#14

Allyl chloride

Concen: 66.743 ug/l m

RT: 2.12 min Scan# 151

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

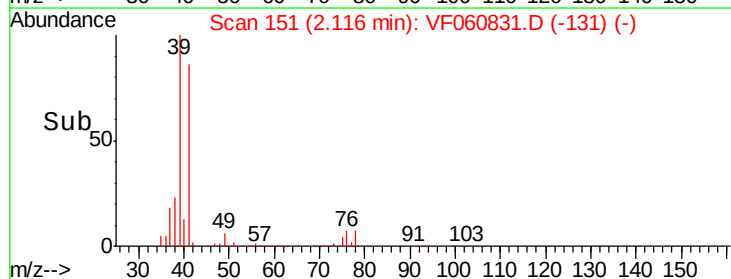
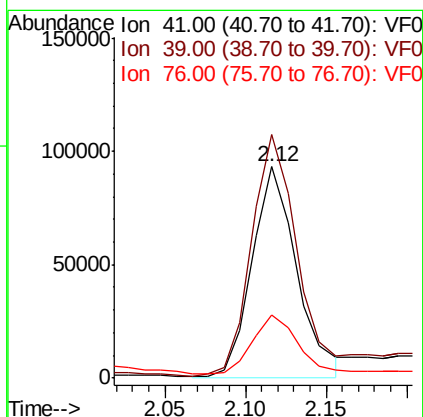
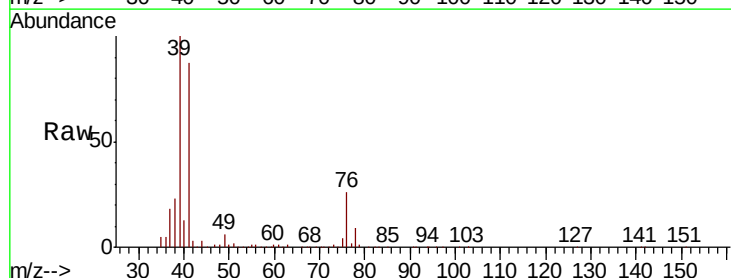
Tgt Ion: 41 Resp: 180735

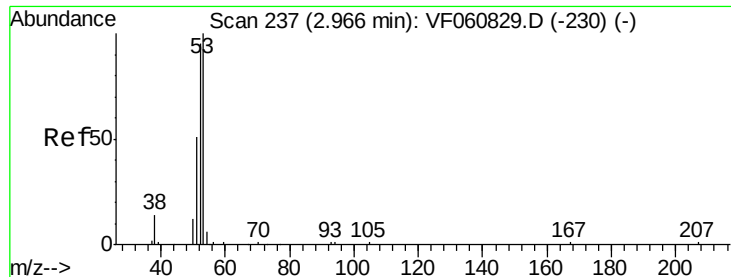
Ion Ratio Lower Upper

41 100

39 115.4 91.7 137.5

76 30.2 23.5 35.3





#15

Acrylonitrile

Concen: 485.978 ug/l

RT: 2.97 min Scan# 238

Delta R.T. 0.01 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

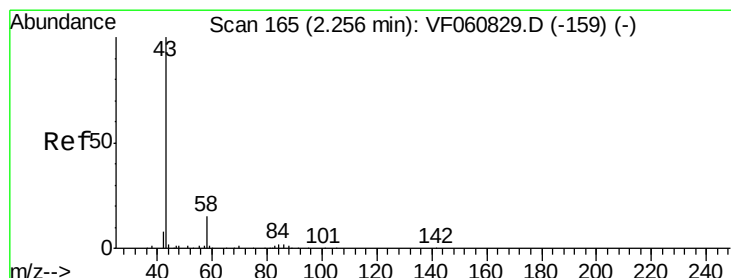
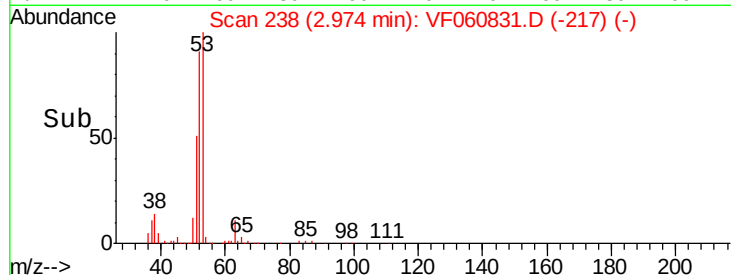
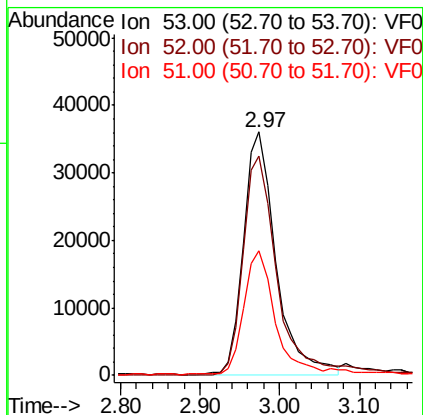
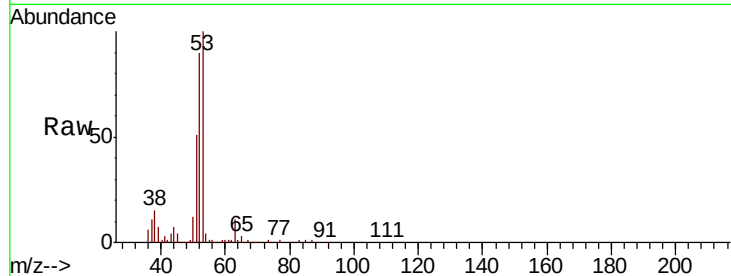
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	101937
Ion Ratio	Lower	Upper	
53	100		
52	90.2	76.5	114.7
51	51.2	40.7	61.1

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#16

Acetone

Concen: 419.725 ug/l

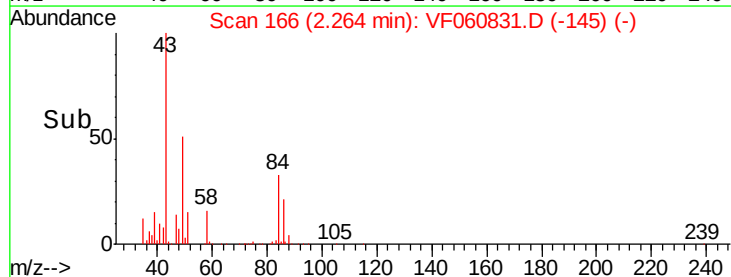
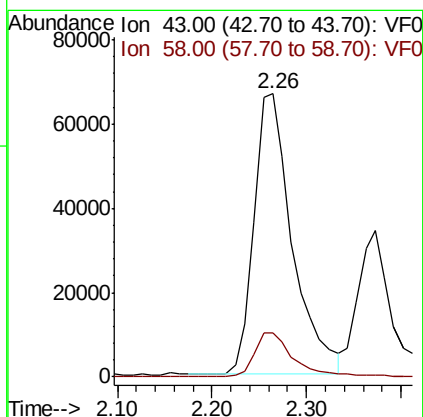
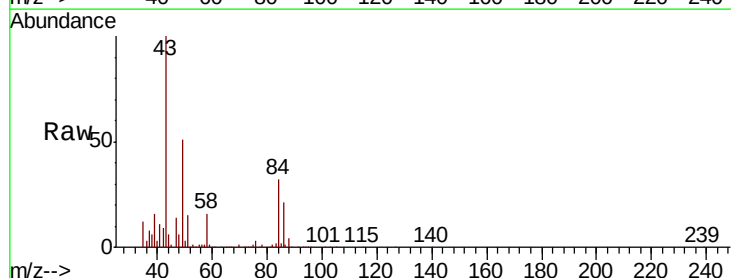
RT: 2.26 min Scan# 166

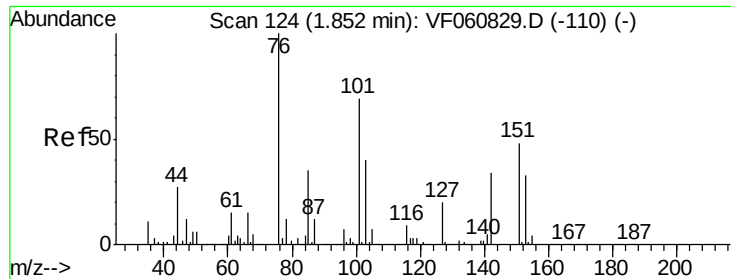
Delta R.T. 0.01 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Tgt Ion:	43	Resp:	188384
Ion Ratio	Lower	Upper	
43	100		
58	15.7	11.4	17.2





#17

Carbon Disulfide

Concen: 85.092 ug/l

RT: 1.85 min Scan# 124

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 388521

Ion Ratio Lower Upper

76 100

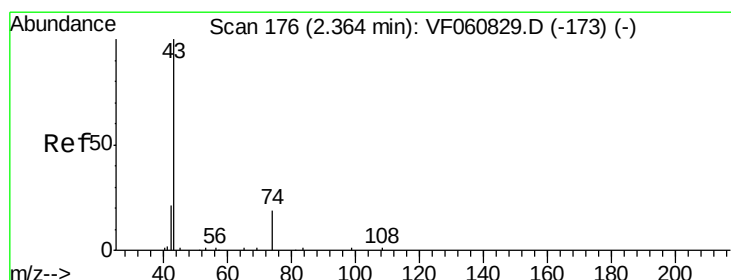
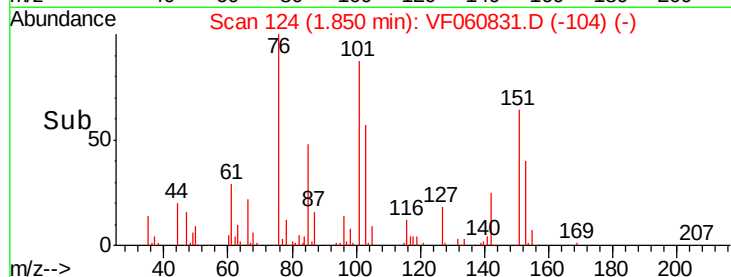
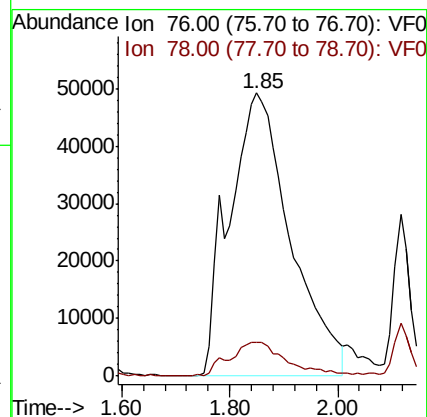
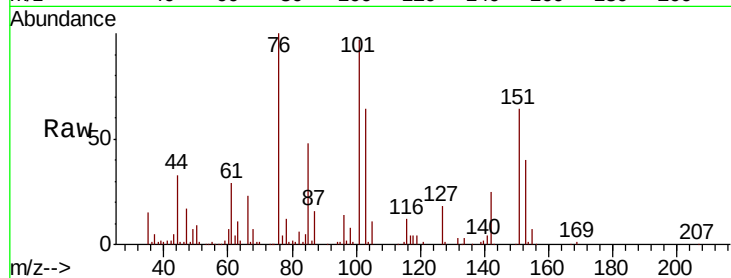
78 11.9 10.2 15.2

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#18

Methyl Acetate

Concen: 93.204 ug/l

RT: 2.37 min Scan# 177

Delta R.T. 0.01 min

Lab File: VF060831.D

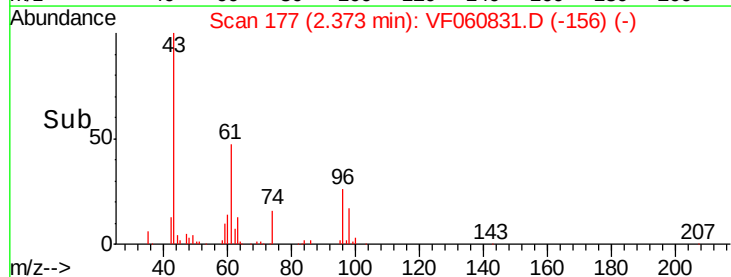
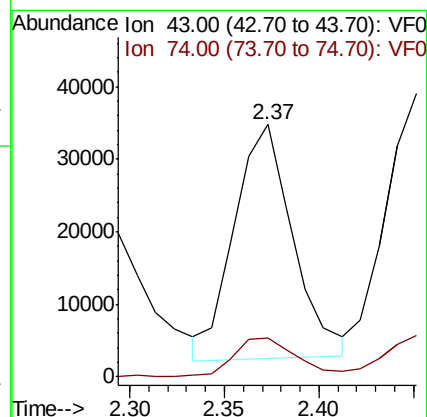
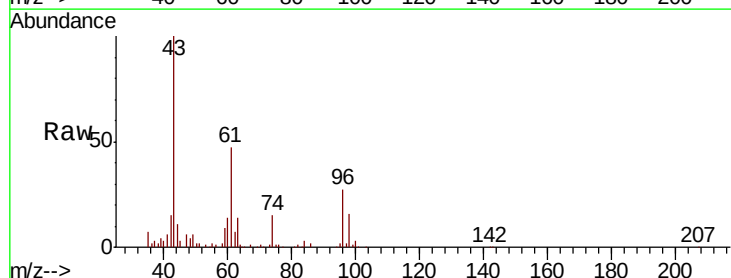
Acq: 26 Nov 2018 19:28

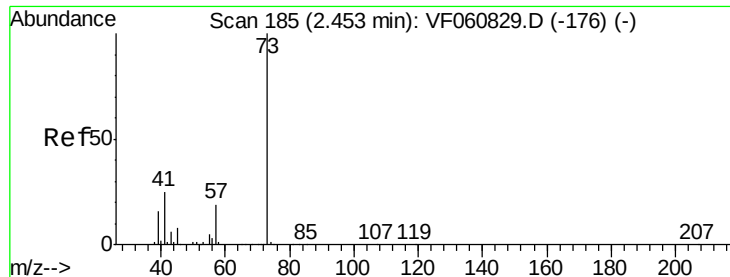
Tgt Ion: 43 Resp: 69873

Ion Ratio Lower Upper

43 100

74 15.4 13.3 19.9





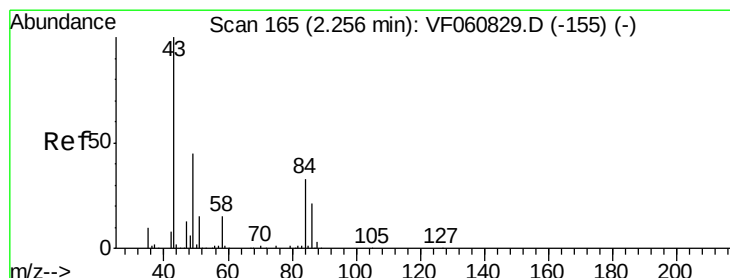
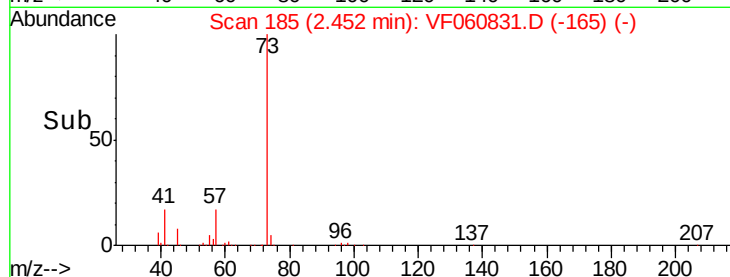
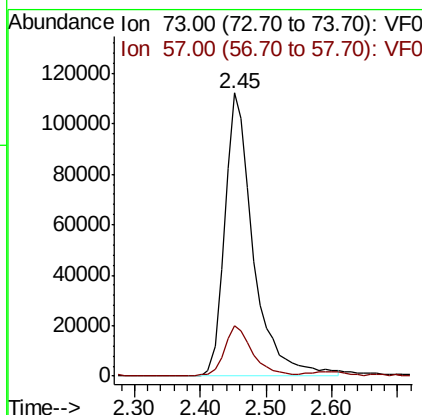
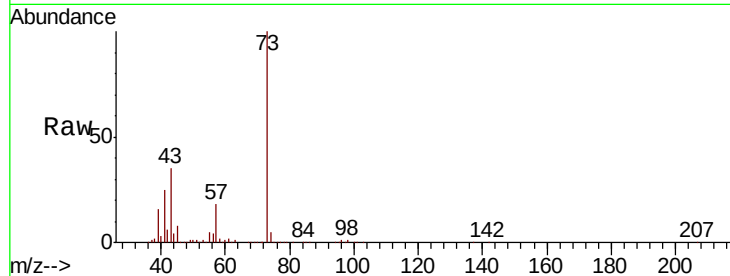
#19
Methyl tert-butyl Ether
Concen: 92.782 ug/l
RT: 2.45 min Scan# 185
Delta R.T. -0.00 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 340531
Ion Ratio Lower Upper
73 100
57 17.6 15.3 22.9

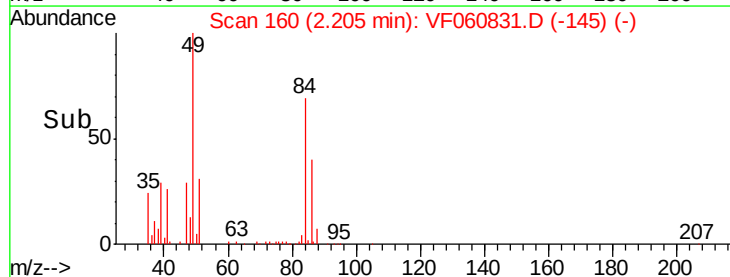
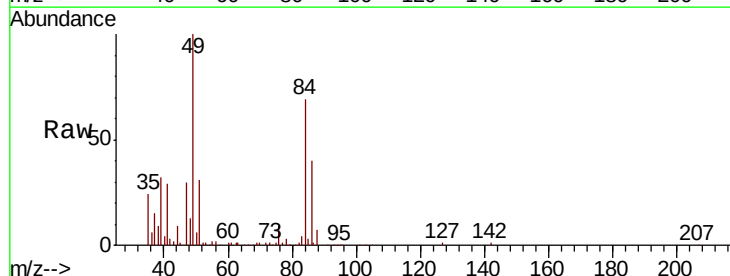
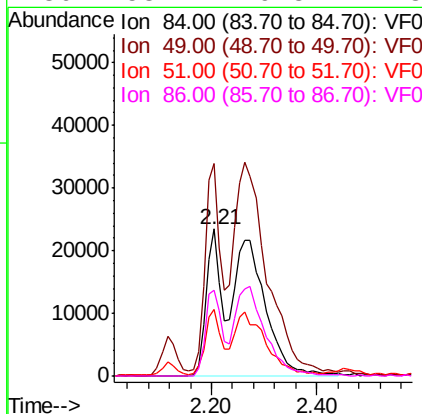
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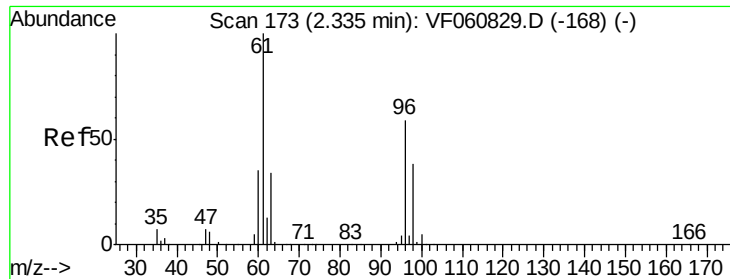
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#20
Methylene Chloride
Concen: 78.280 ug/l m
RT: 2.21 min Scan# 160
Delta R.T. -0.05 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Tgt Ion: 84 Resp: 135272
Ion Ratio Lower Upper
84 100
49 144.5 111.3 166.9
51 44.9 38.0 57.0
86 58.2 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 90.565 ug/l

RT: 2.33 min Scan# 173

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

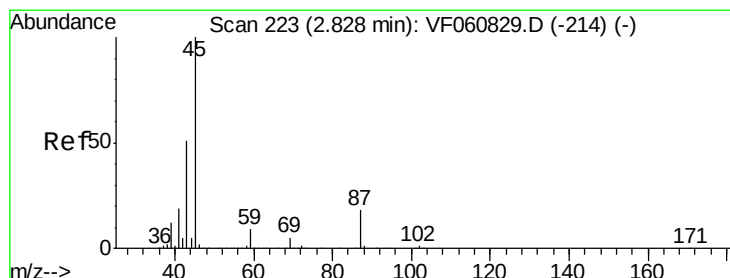
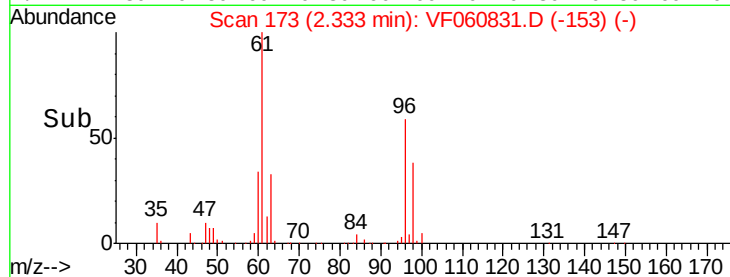
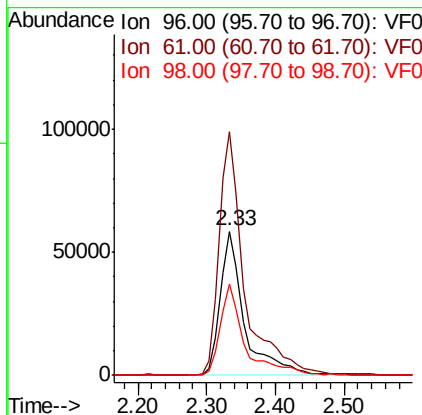
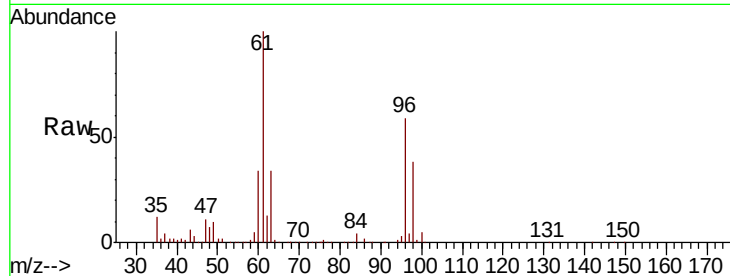
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	143482
Ion	Ratio	Lower	Upper
96	100		
61	169.3	134.5	201.7
98	63.8	51.6	77.4

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#22

Diisopropyl ether

Concen: 95.039 ug/l

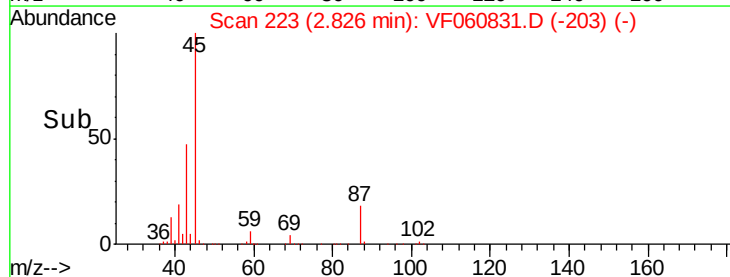
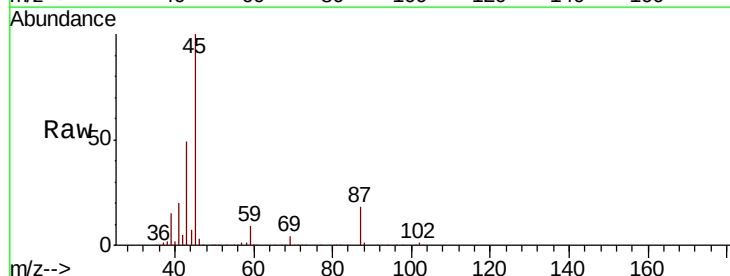
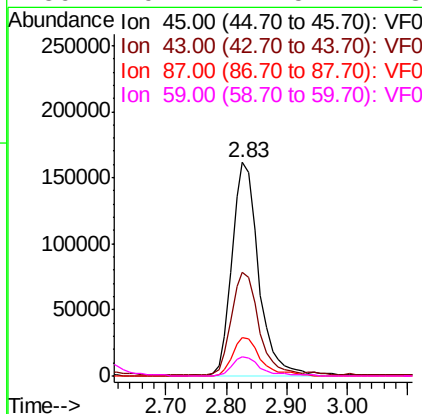
RT: 2.83 min Scan# 223

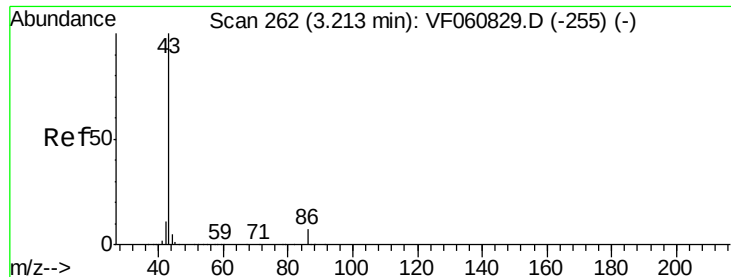
Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Tgt Ion:	45	Resp:	497766
Ion	Ratio	Lower	Upper
45	100		
43	48.5	41.0	61.6
87	17.8	14.6	22.0
59	9.1	7.5	11.3





#23

Vinyl Acetate

Concen: 488.730 ug/l

RT: 3.22 min Scan# 263

Delta R.T. 0.01 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1191477

Ion Ratio Lower Upper

43 100

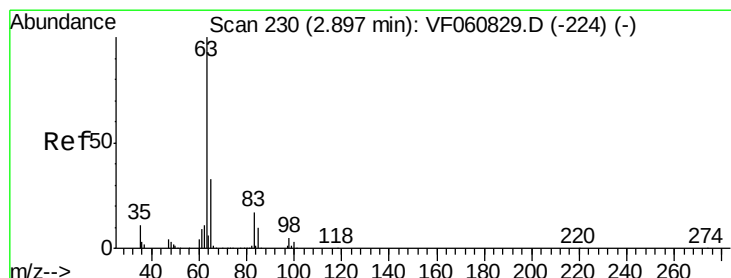
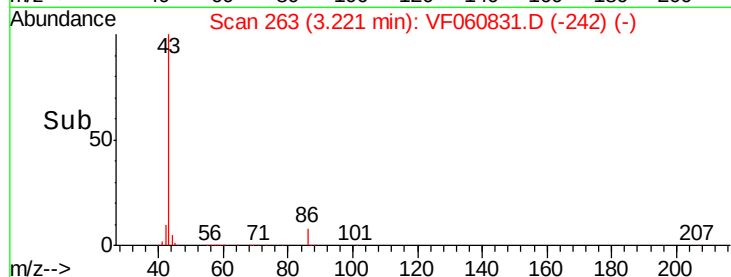
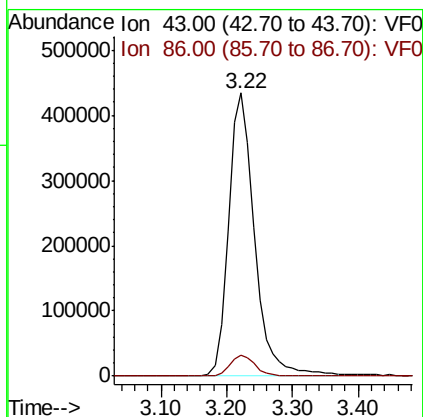
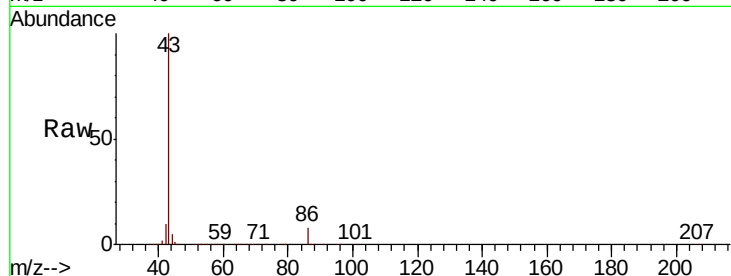
86 7.5 5.4 8.0

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#24

1,1-Dichloroethane

Concen: 97.524 ug/l

RT: 2.91 min Scan# 231

Delta R.T. 0.01 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

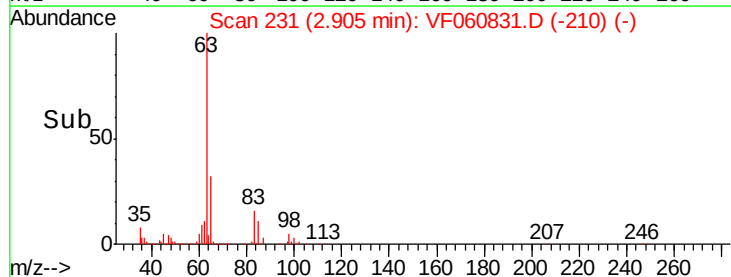
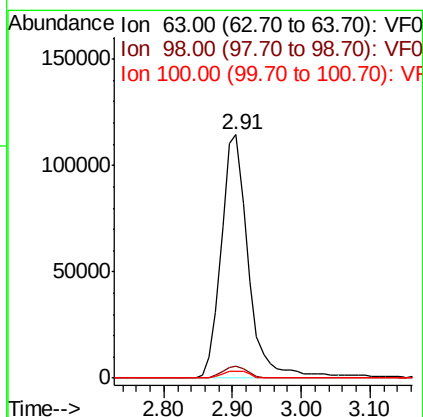
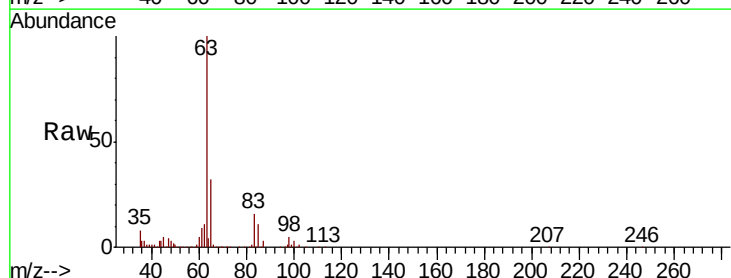
Tgt Ion: 63 Resp: 312266

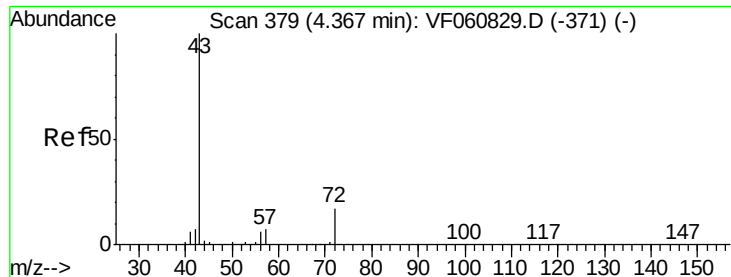
Ion Ratio Lower Upper

63 100

98 5.0 2.7 8.1

100 3.0 1.5 4.5





#25

2-Butanone

Concen: 443.084 ug/l

RT: 4.38 min Scan# 380

Delta R.T. 0.01 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 335450

Ion Ratio Lower Upper

43 100

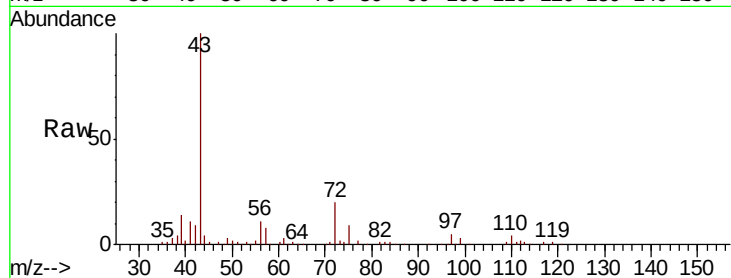
72 20.2 15.4 23.2

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

80000

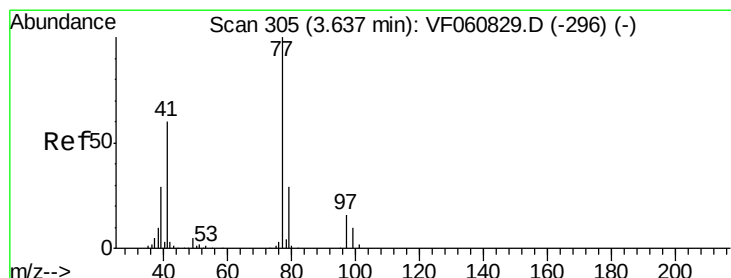
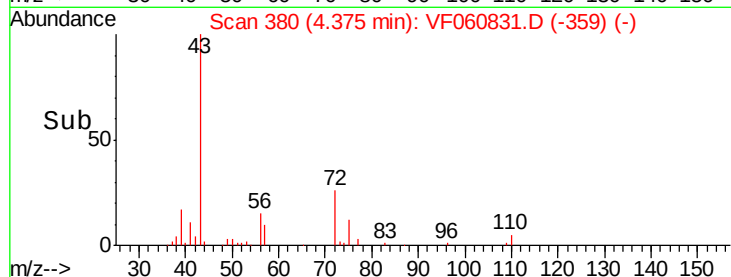
60000

40000

20000

0

Time--> 4.20 4.30 4.40 4.50 4.60



#26

2,2-Dichloropropane

Concen: 76.740 ug/l

RT: 3.64 min Scan# 305

Delta R.T. -0.00 min

Lab File: VF060831.D

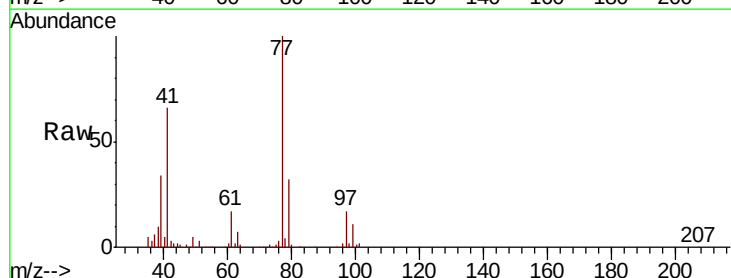
Acq: 26 Nov 2018 19:28

Tgt Ion: 77 Resp: 186893

Ion Ratio Lower Upper

77 100

97 17.4 8.6 25.8



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

60000

50000

40000

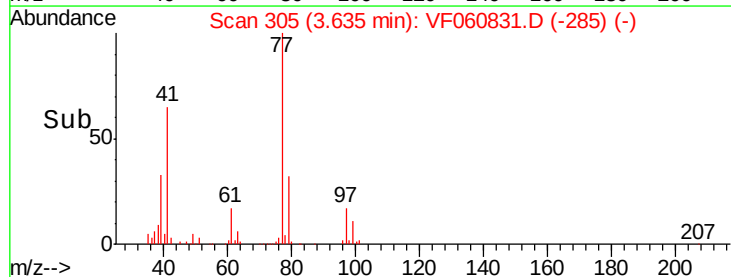
30000

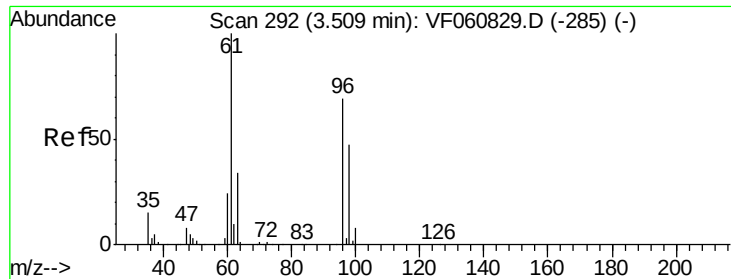
20000

10000

0

Time--> 3.50 3.60 3.70 3.80





#27

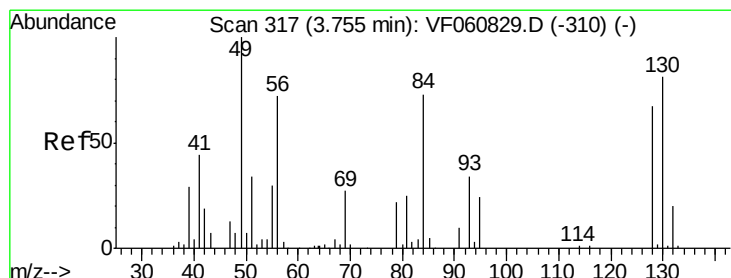
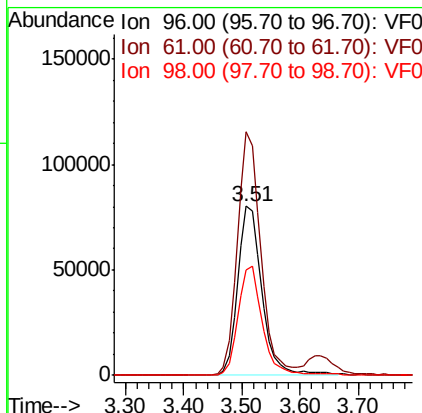
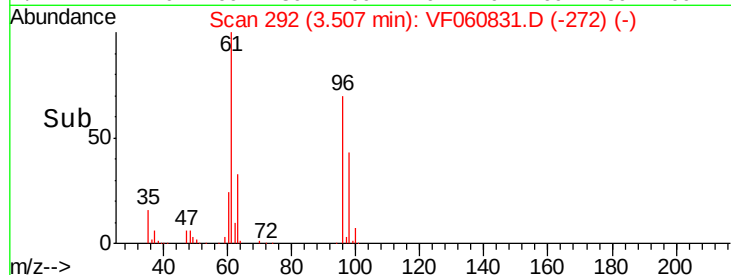
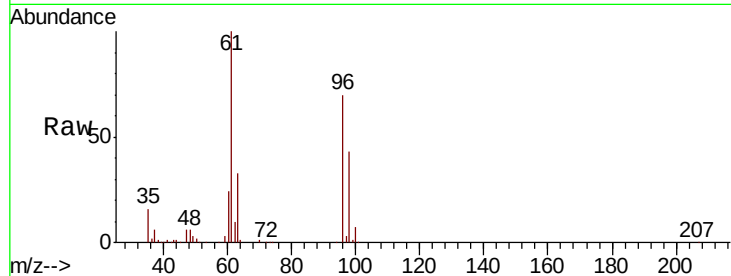
cis-1,2-Dichloroethene
Concen: 86.274 ug/l
RT: 3.51 min Scan# 292
Delta R.T. -0.00 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	232236		
61	143.8	0.0	290.6	
98	62.4	0.0	137.8	

Manual Integrations
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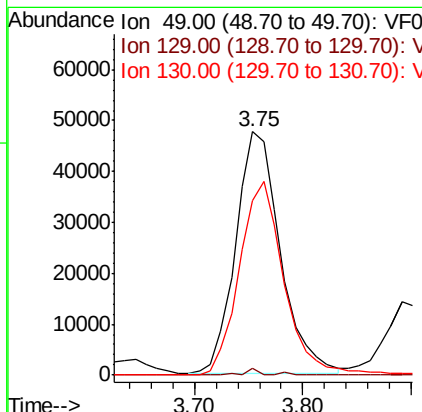
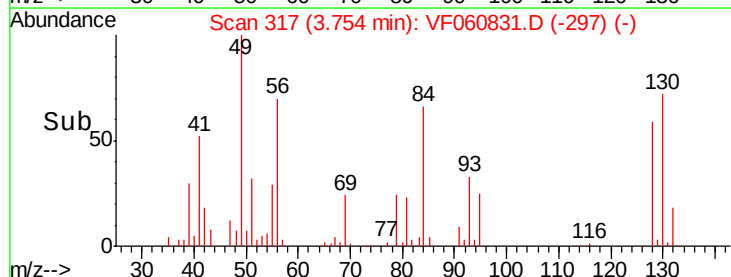
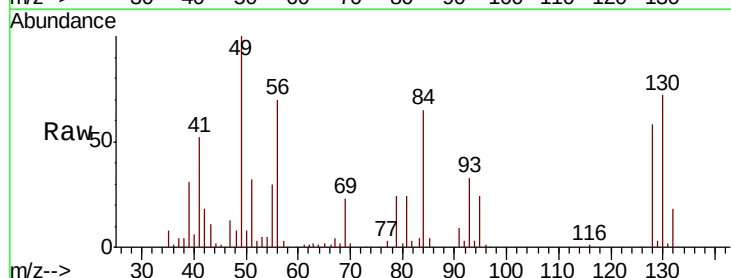
apatel
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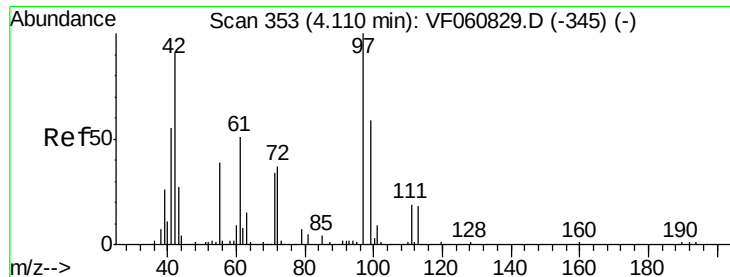


#28

Bromochloromethane
Concen: 84.248 ug/l
RT: 3.75 min Scan# 317
Delta R.T. -0.00 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	136157		
129	3.0	0.0	4.4	
130	71.8	64.2	96.4	





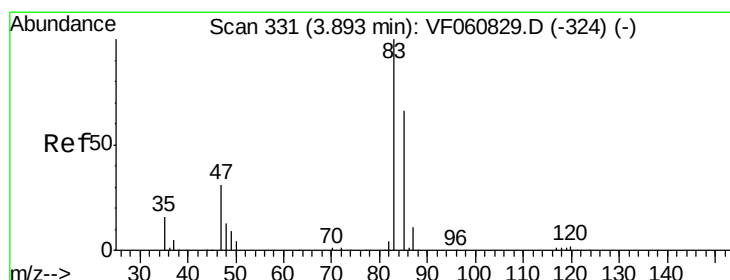
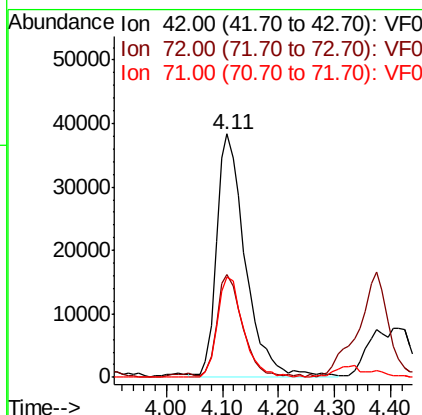
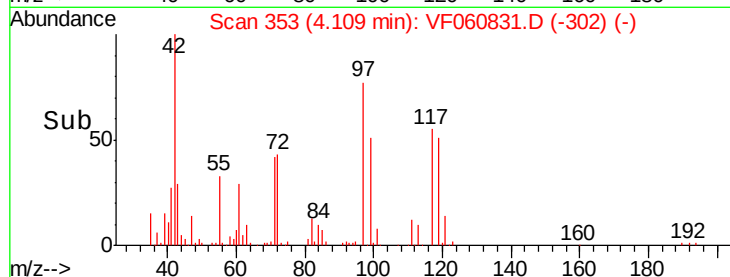
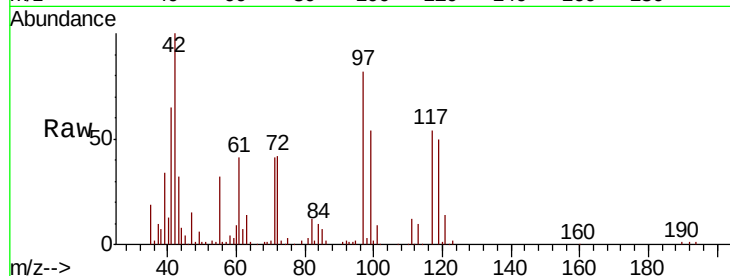
#29
Tetrahydrofuran
Concen: 435.557 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.00 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.7	31.9	47.9
71	37.7	28.7	43.1

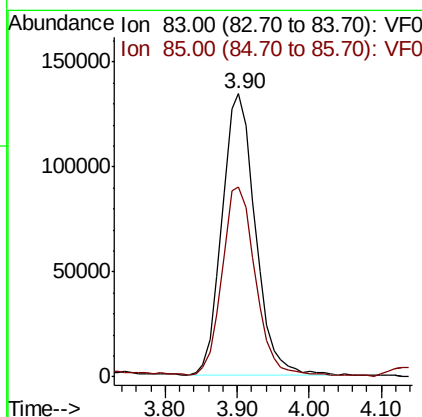
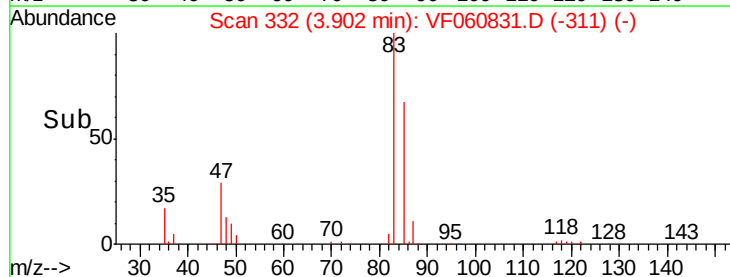
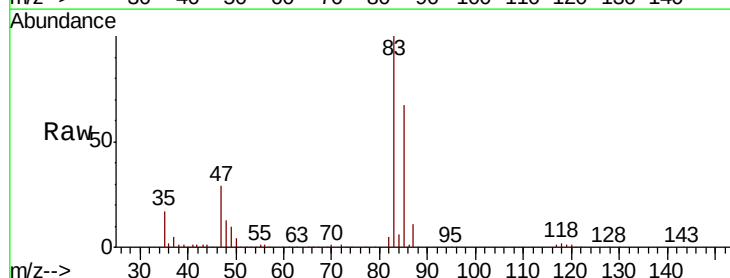
Manual Integrations
APPROVED

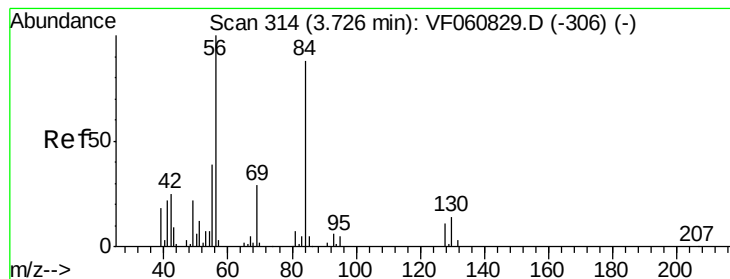
apatel
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#30
Chloroform
Concen: 86.183 ug/l
RT: 3.90 min Scan# 332
Delta R.T. 0.01 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	53.4	80.2





#31

Cyclohexane

Concen: 77.717 ug/l m

RT: 3.73 min Scan# 315

Delta R.T. 0.01 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

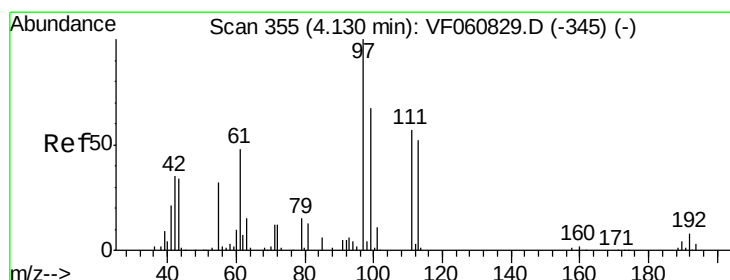
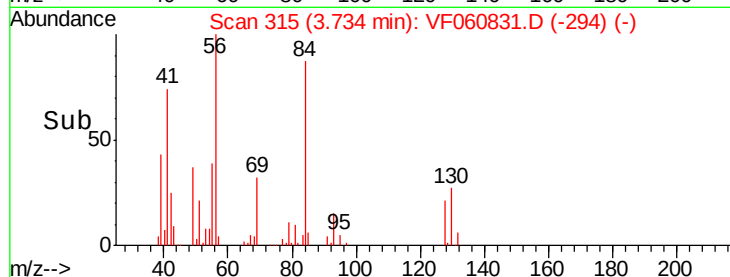
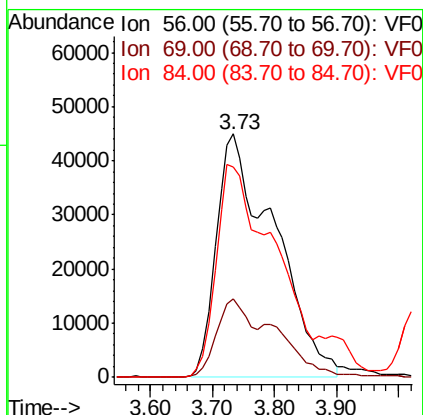
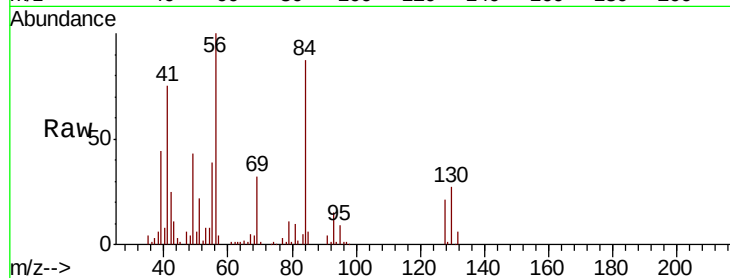
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	291590
Ion Ratio	Lower	Upper	
56	100		
69	32.2	23.0	34.4
84	86.5	70.4	105.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 76.509 ug/l

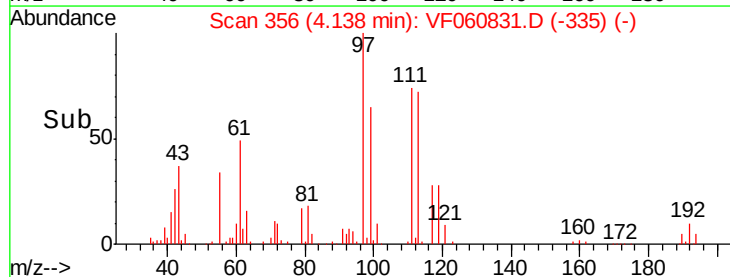
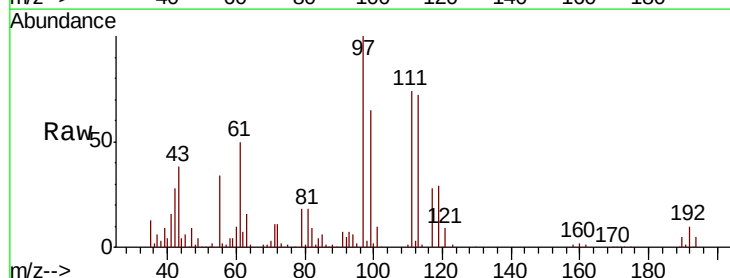
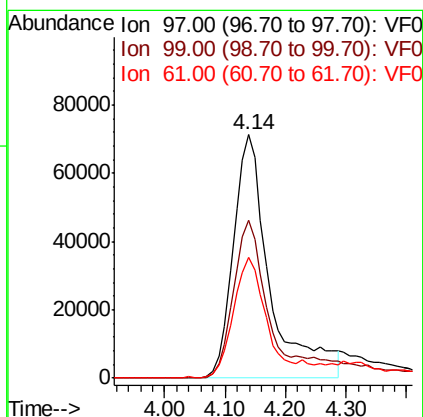
RT: 4.14 min Scan# 356

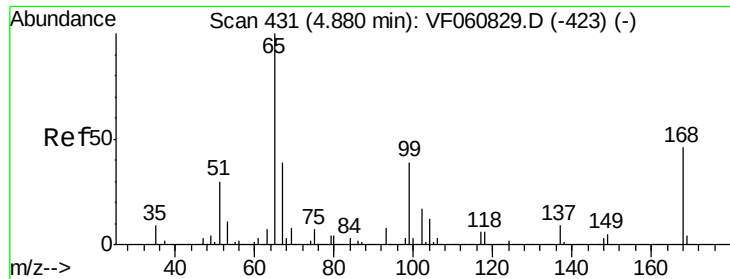
Delta R.T. 0.01 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Tgt Ion:	97	Resp:	300885
Ion Ratio	Lower	Upper	
97	100		
99	65.0	53.5	80.3
61	49.7	38.6	58.0





#33

1,2-Dichloroethane-d4

Concen: 108.882 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.01 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 242170

Ion Ratio Lower Upper

65 100

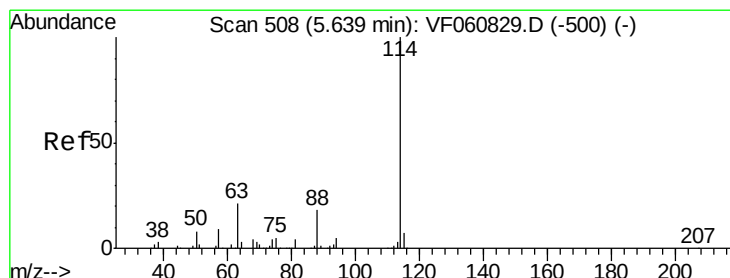
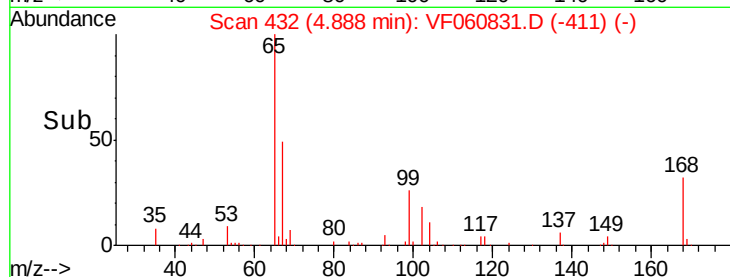
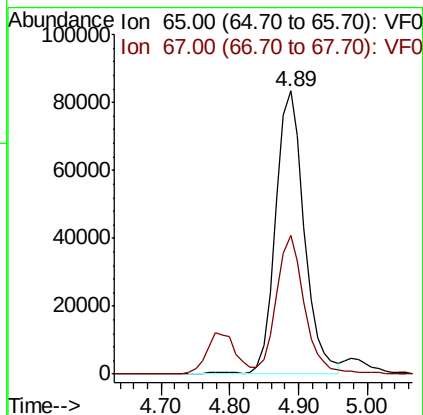
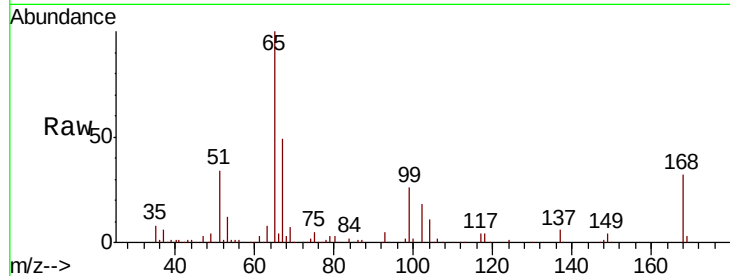
67 49.0 0.0 96.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 508

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

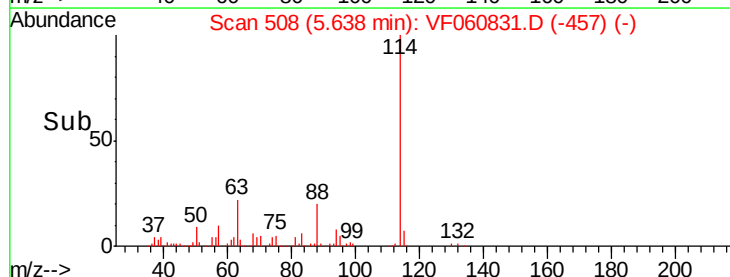
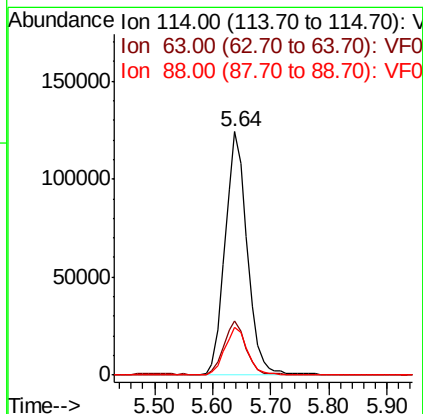
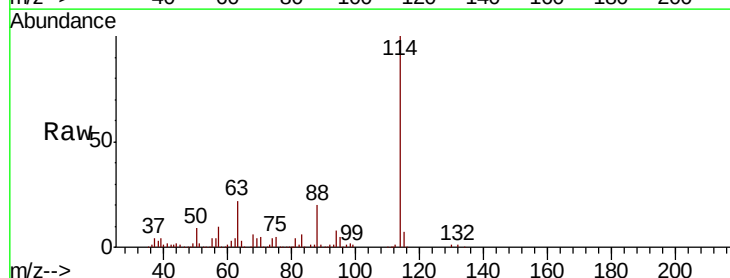
Tgt Ion: 114 Resp: 328753

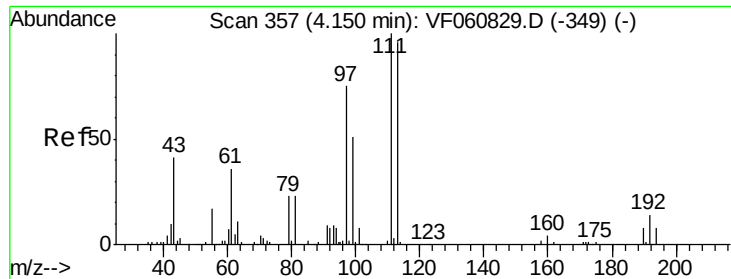
Ion Ratio Lower Upper

114 100

63 22.1 0.0 41.6

88 19.8 0.0 36.6





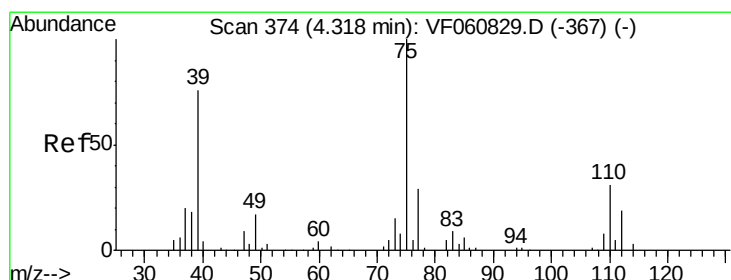
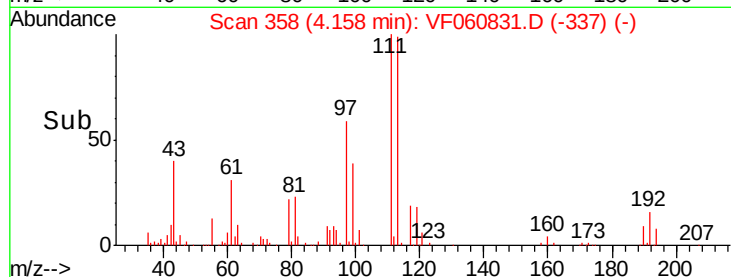
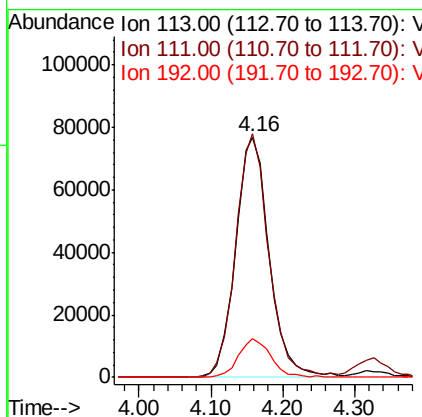
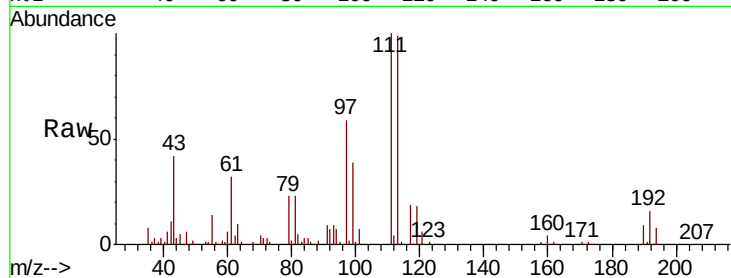
#35
 Dibromofluoromethane
 Concen: 98.452 ug/l
 RT: 4.16 min Scan# 358
 Delta R.T. 0.01 min
 Lab File: VF060831.D
 Acq: 26 Nov 2018 19:28

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	250124		
111	101.5	83.0	124.6	
192	15.9	12.3	18.5	

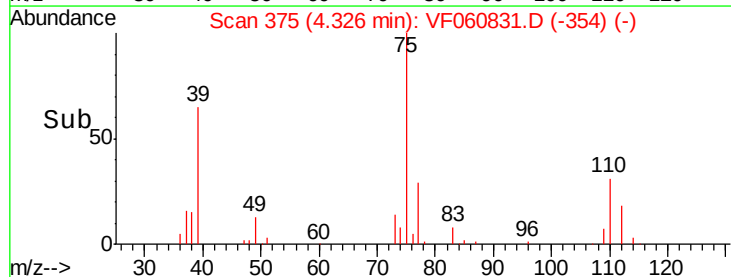
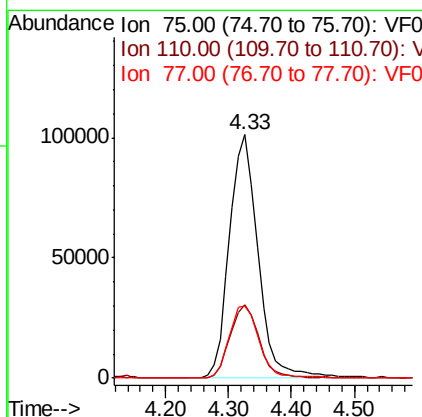
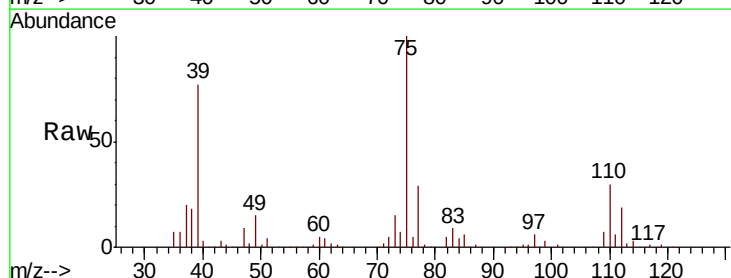
Manual Integrations
 APPROVED

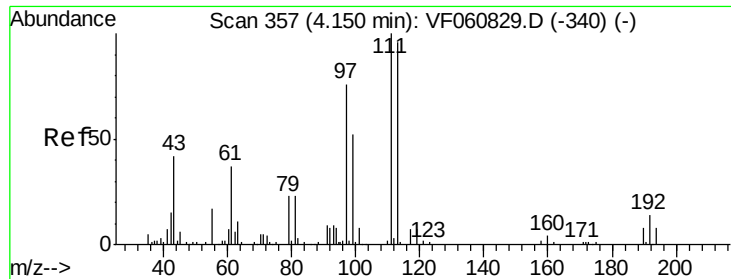
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#36
 1,1-Dichloropropene
 Concen: 84.012 ug/l
 RT: 4.33 min Scan# 375
 Delta R.T. 0.01 min
 Lab File: VF060831.D
 Acq: 26 Nov 2018 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	318688		
110	30.4	15.6	46.8	
77	29.4	23.4	35.0	





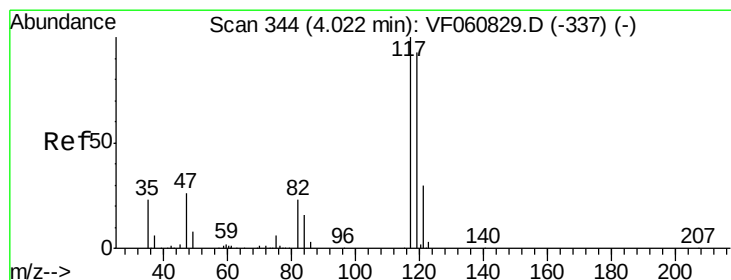
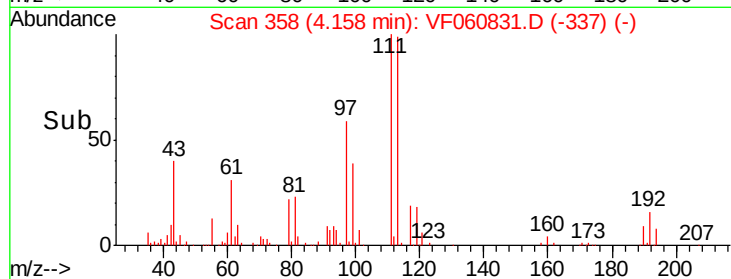
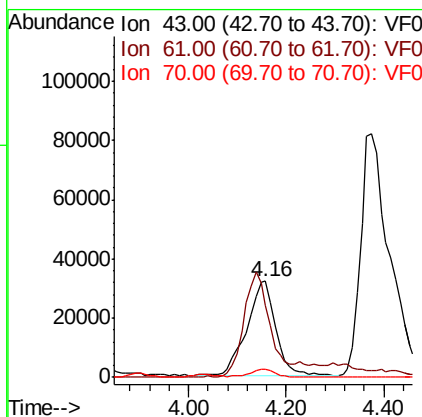
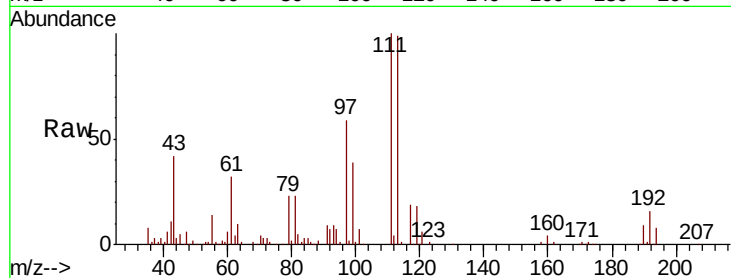
#37
Ethyl Acetate
Concen: 90.901 ug/l
RT: 4.16 min Scan# 358
Delta R.T. 0.01 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	75.9	68.6	103.0
70	9.1	9.0	13.4

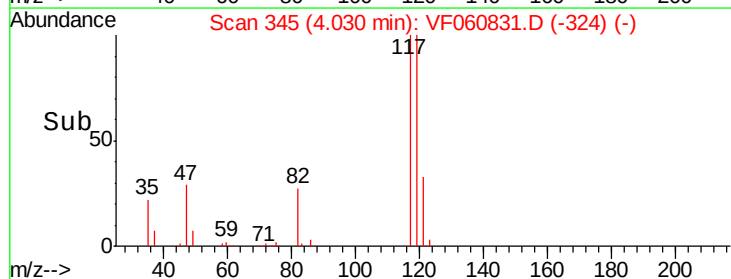
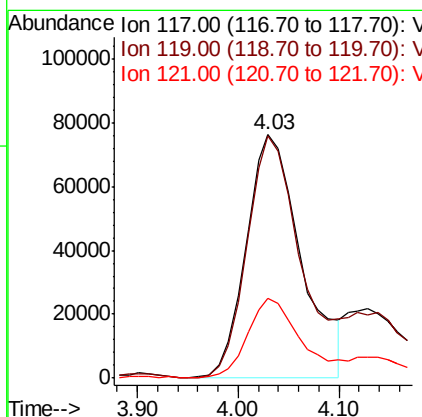
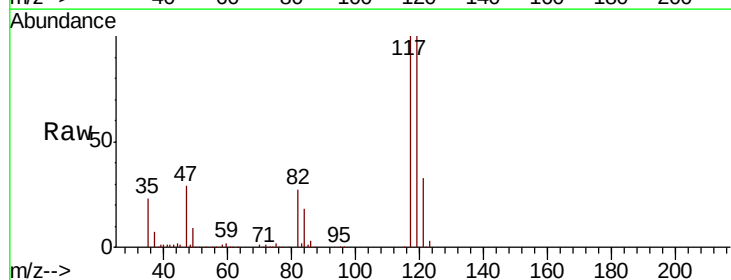
Manual Integrations
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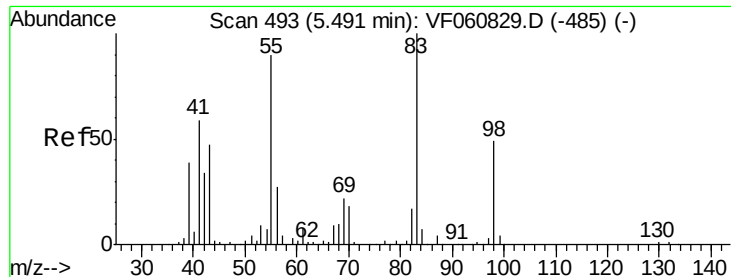
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#38
Carbon Tetrachloride
Concen: 78.131 ug/l
RT: 4.03 min Scan# 345
Delta R.T. 0.01 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.7	74.4	111.6
121	32.5	23.5	35.3





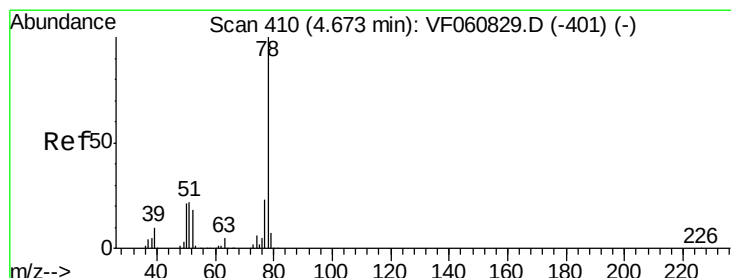
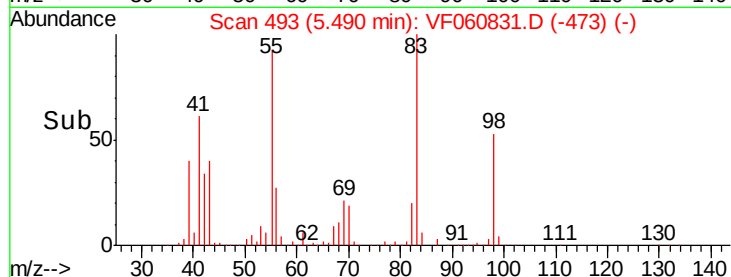
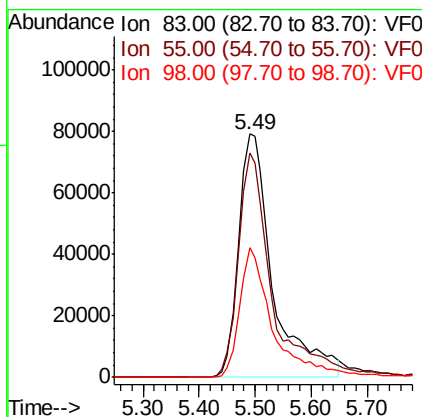
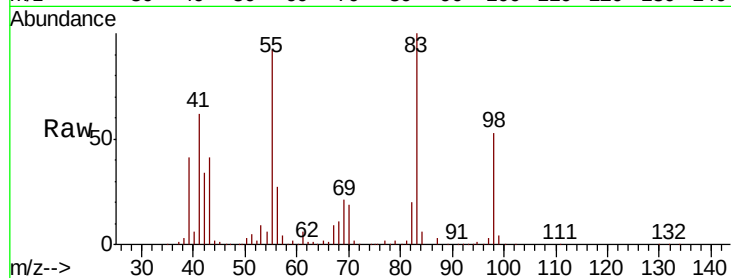
#39
Methylvlcyclohexane
Concen: 77.916 ug/l
RT: 5.49 min Scan# 493
Delta R.T. -0.00 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	83.00	Resp	336930
Ion	Ratio	Lower	Upper
83	100		
55	91.9	72.1	108.1
98	53.2	39.1	58.7

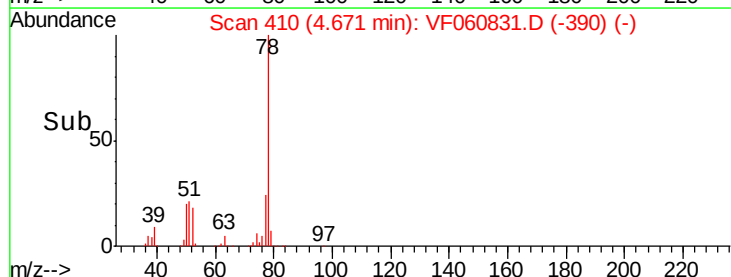
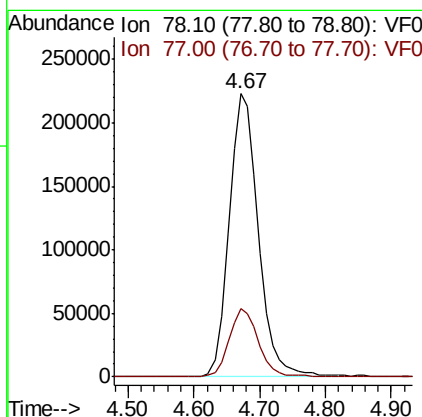
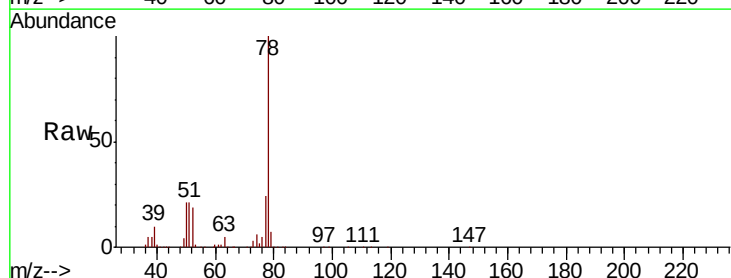
Manual Integrations
APPROVED

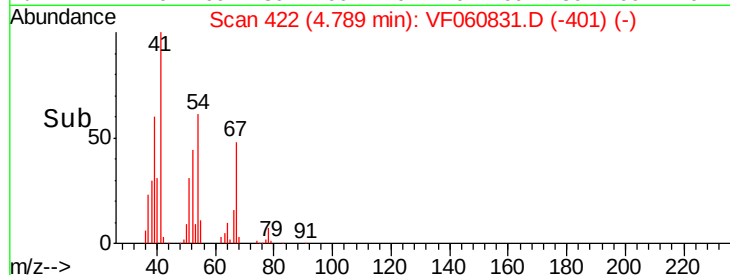
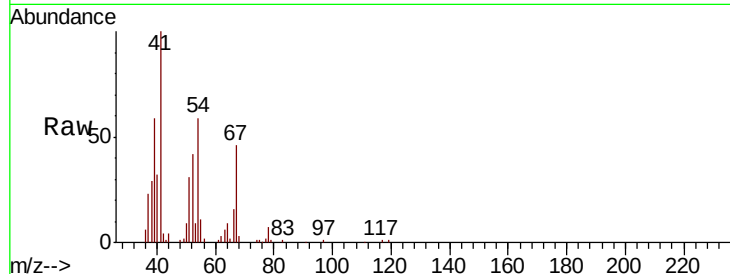
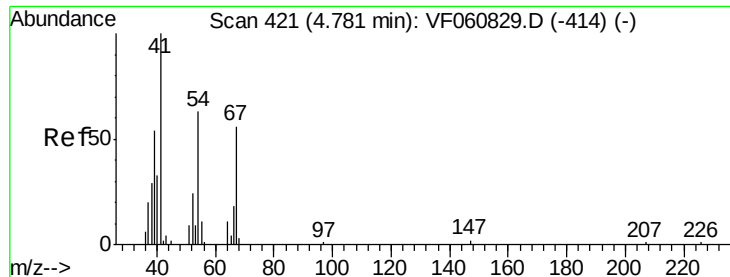
apatel
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#40
Benzene
Concen: 81.935 ug/l
RT: 4.67 min Scan# 410
Delta R.T. -0.00 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

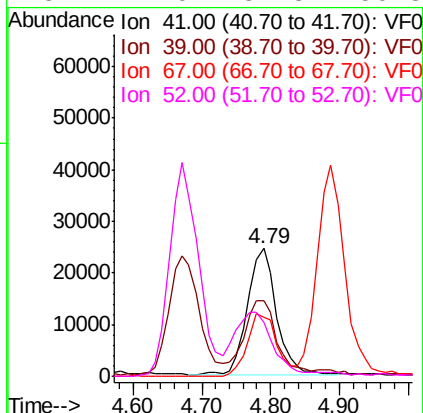
Tgt Ion	78	Resp	691073
Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.7	28.1





#41
Methacrylonitrile
Concen: 84.671 ug/l
RT: 4.79 min Scan# 422
Delta R.T. 0.01 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

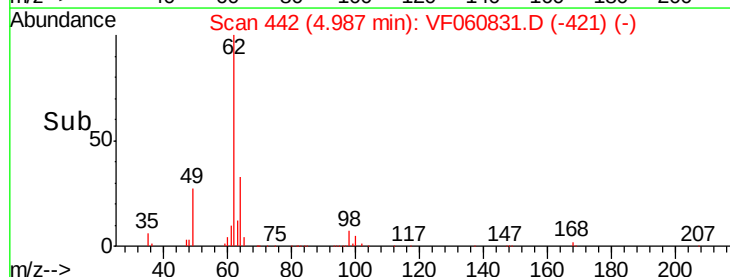
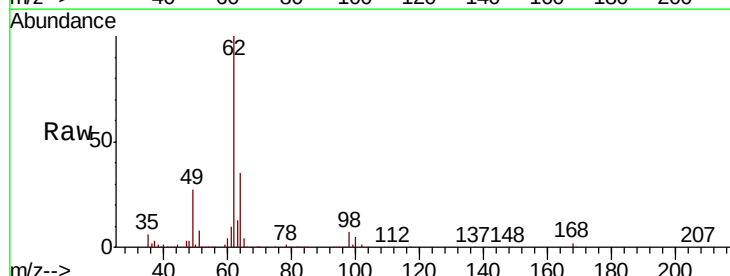
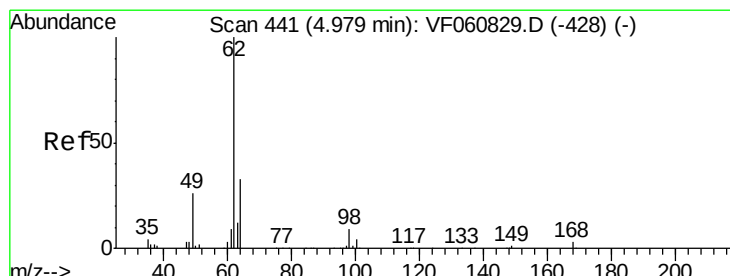
Tot Ion	Ratio	Lower	Upper
41	100		
39	59.0	53.0	79.6
67	46.2	43.8	65.6
52	42.0	37.8	56.8



Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

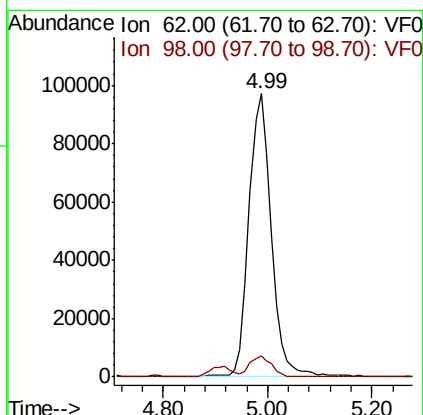
Manual Integrations
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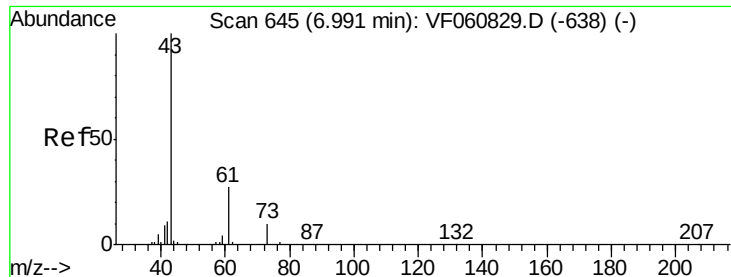
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#42
1,2-Dichloroethane
Concen: 94.477 ug/l
RT: 4.99 min Scan# 442
Delta R.T. 0.01 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	17.2





#43

Isopropyl Acetate

Concen: 91.397 ug/l

RT: 6.99 min Scan# 645

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

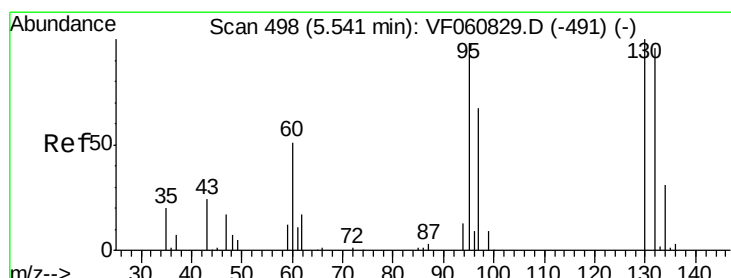
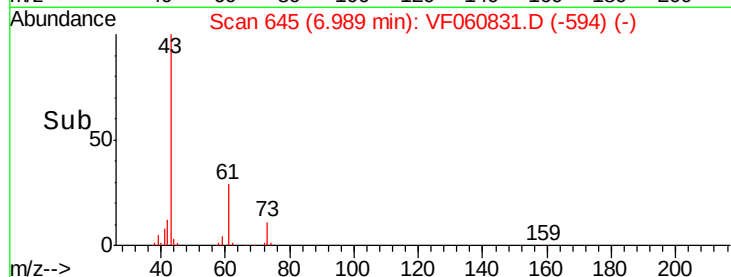
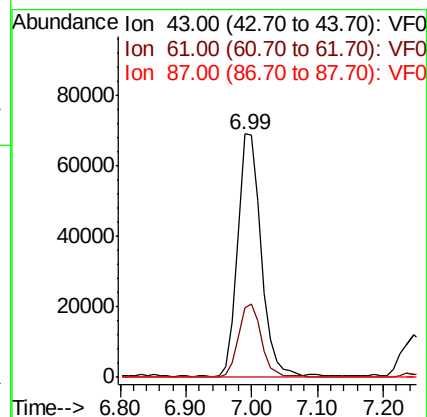
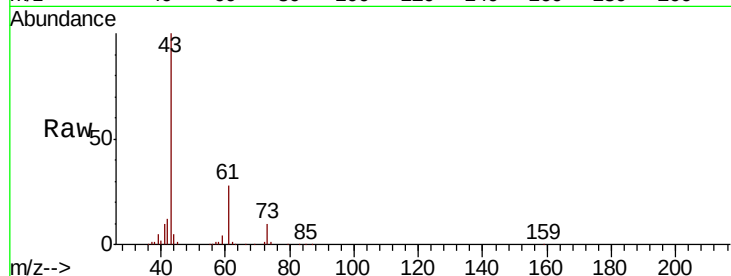
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	174543
Ion	Ratio	Lower	Upper
43	100		
61	28.4	21.4	32.0
87	0.3	0.2	0.4

Manual Integrations
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#44

Trichloroethene

Concen: 84.030 ug/l

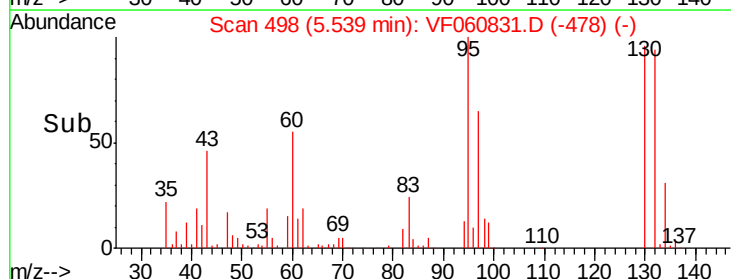
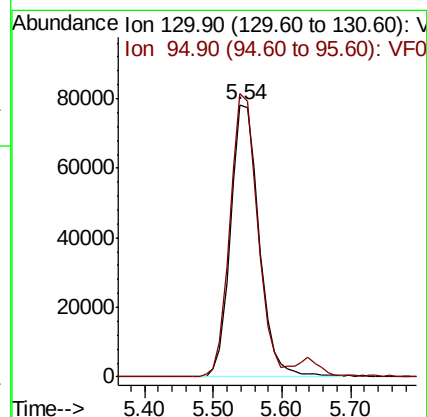
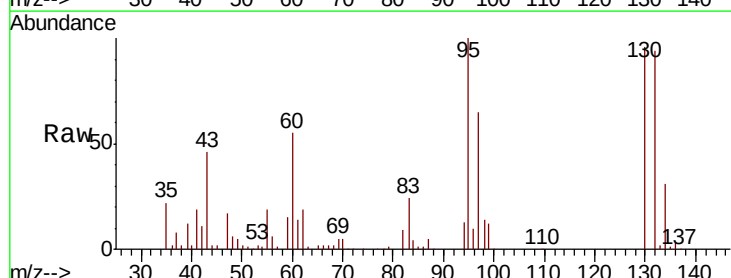
RT: 5.54 min Scan# 498

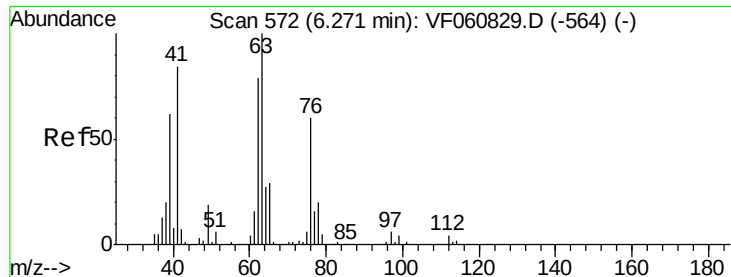
Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Tgt Ion:	130	Resp:	226290
Ion	Ratio	Lower	Upper
130	100		
95	103.9	0.0	195.6





#45

1,2-Dichloropropane

Concen: 85.736 ug/l

RT: 6.28 min Scan# 573

Delta R.T. 0.01 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 191538

Ion Ratio Lower Upper

63 100

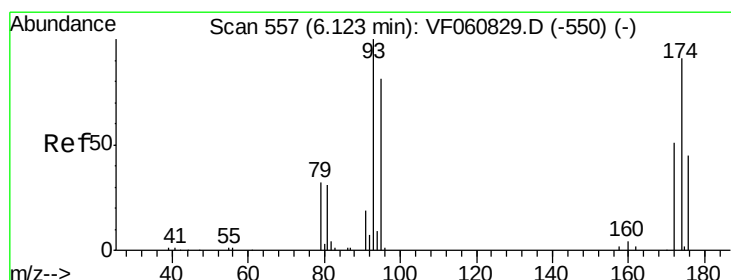
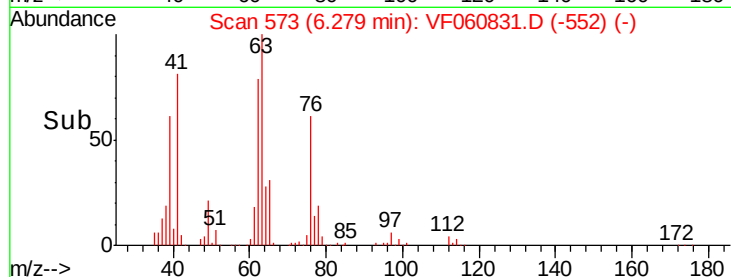
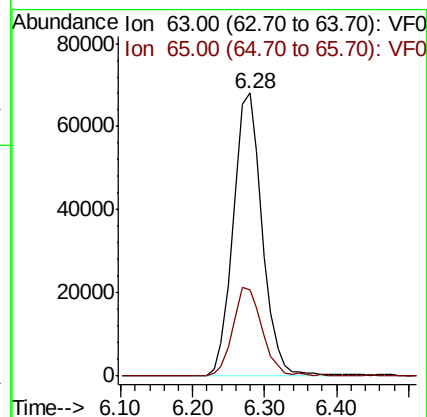
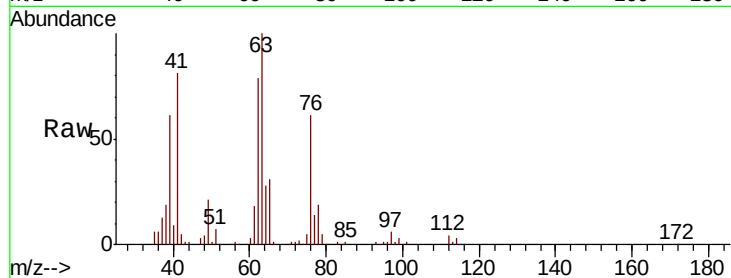
65 30.6 23.2 34.8

Manual Integrations

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#46

Dibromomethane

Concen: 95.469 ug/l

RT: 6.12 min Scan# 557

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

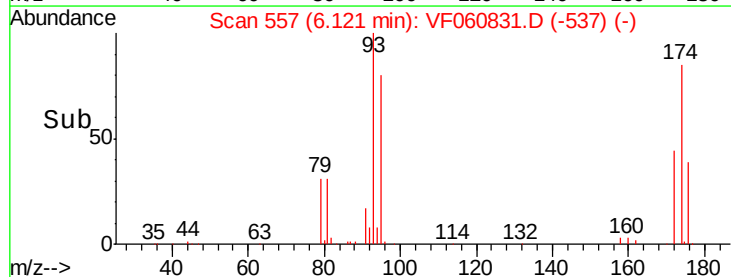
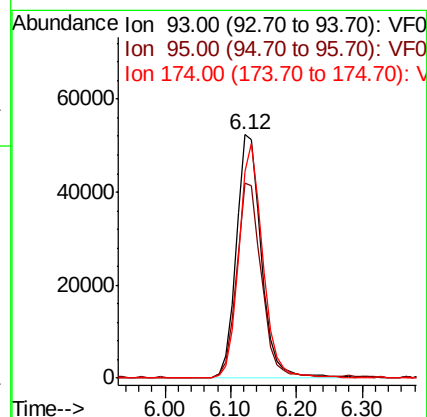
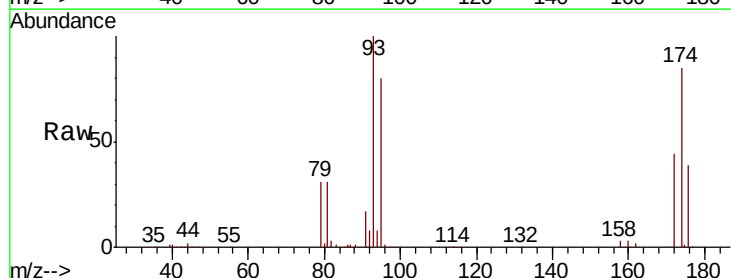
Tgt Ion: 93 Resp: 139759

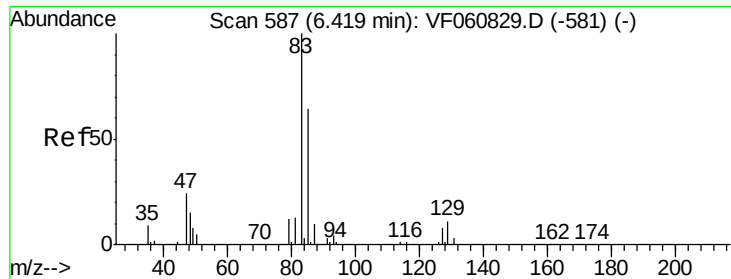
Ion Ratio Lower Upper

93 100

95 80.0 64.7 97.1

174 84.7 73.0 109.6





#47

Bromodichloromethane

Concen: 94.004 ug/l

RT: 6.43 min Scan# 588

Delta R.T. 0.01 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

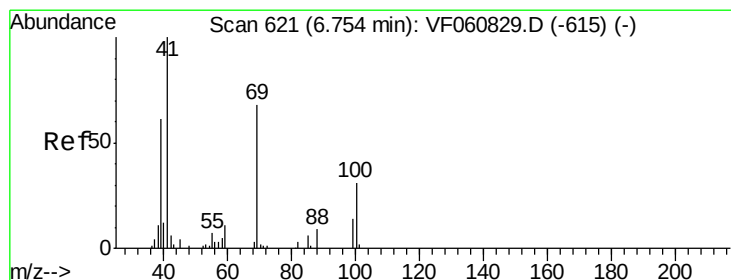
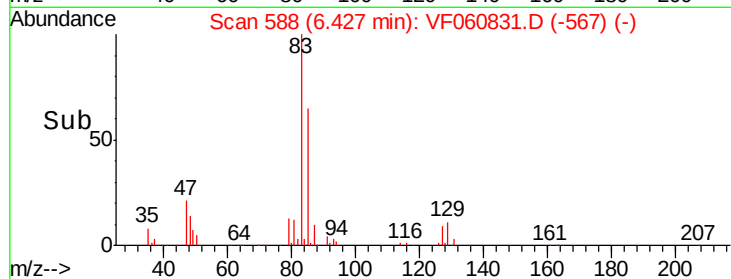
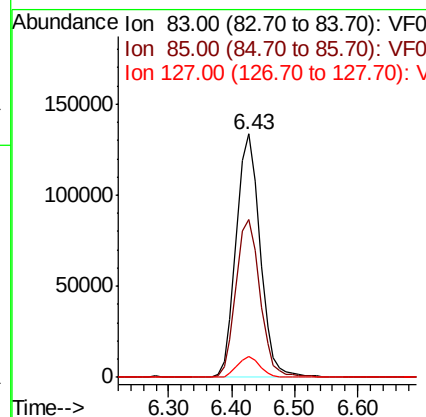
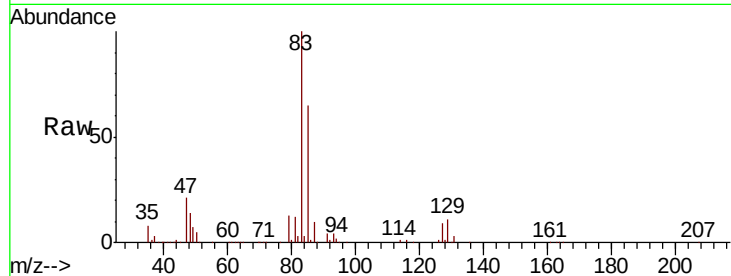
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	350845
Ion Ratio	Lower	Upper	
83	100		
85	65.0	51.1	76.7
127	8.5	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 96.976 ug/l

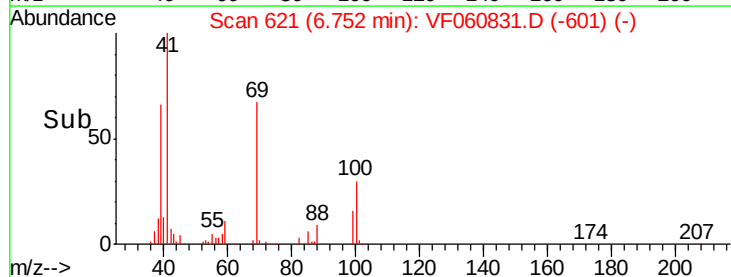
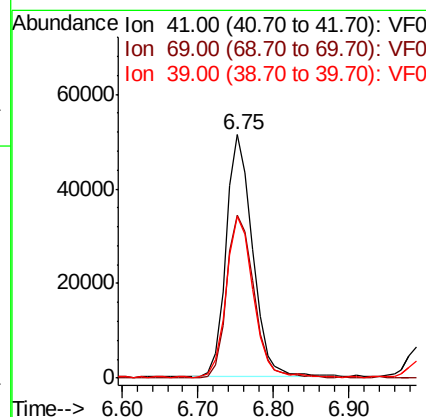
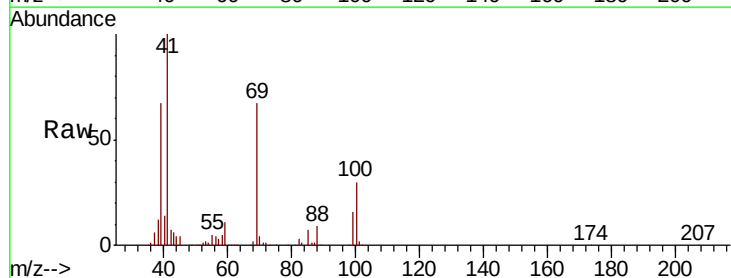
RT: 6.75 min Scan# 621

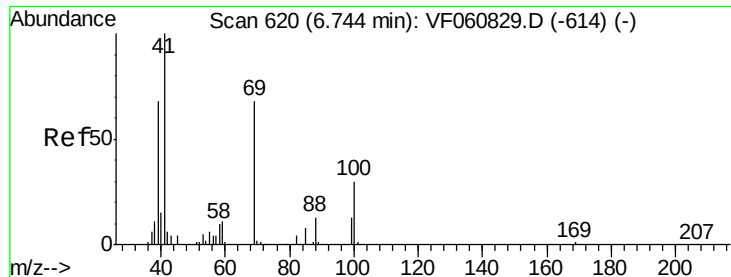
Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Tgt Ion:	41	Resp:	123908
Ion Ratio	Lower	Upper	
41	100		
69	66.8	53.9	80.9
39	66.6	49.0	73.6





#49

1,4-Dioxane

Concen: 1587.596 ug/l

RT: 6.74 min Scan# 620

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

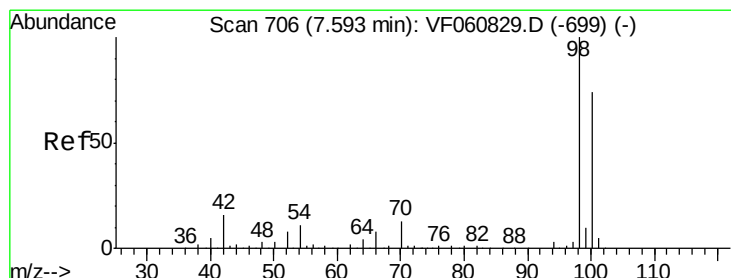
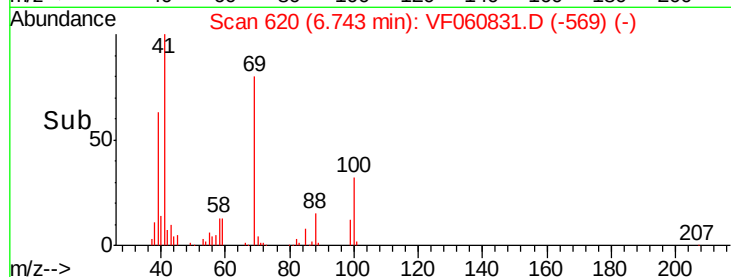
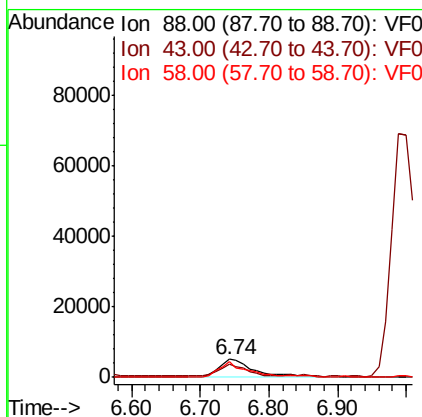
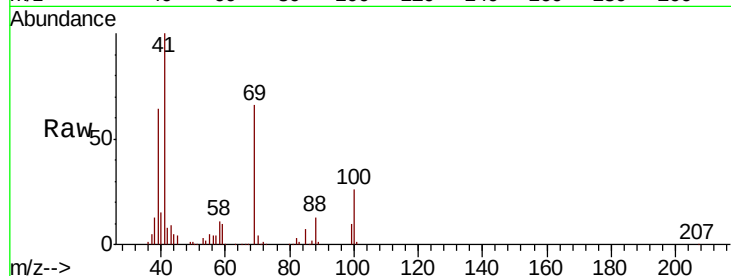
ClientSampleId :

VSTDIC100

Tot Ion:	88	Resp:	18512
Ion Ratio	Lower	Upper	
88	100		
43	70.0	42.0	63.0#
58	84.9	61.8	92.8

Manual Integrations
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#50

Toluene-d8

Concen: 99.078 ug/l

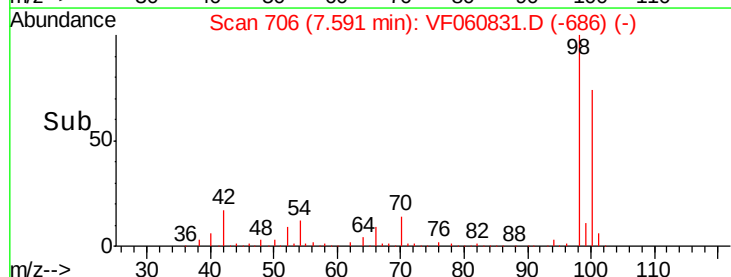
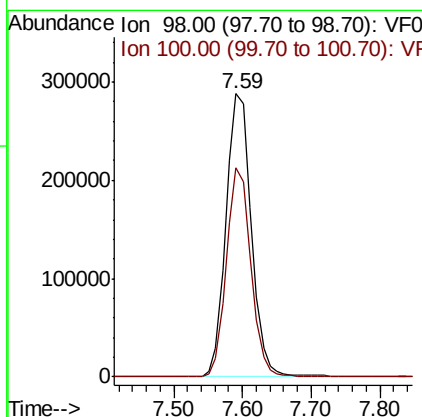
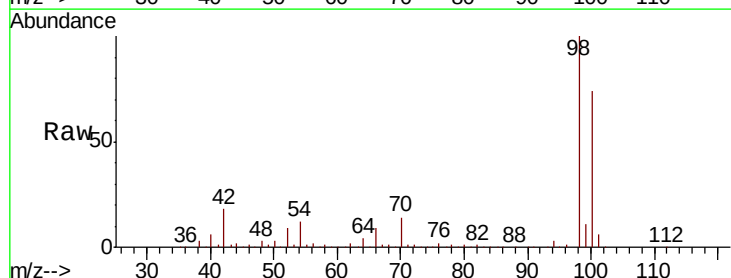
RT: 7.59 min Scan# 706

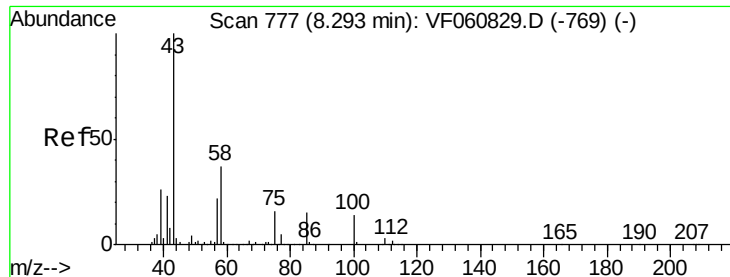
Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Tgt Ion:	98	Resp:	736208
Ion Ratio	Lower	Upper	
98	100		
100	74.1	59.3	88.9





#51

4-Methyl-2-Pentanone

Concen: 437.317 ug/l

RT: 8.29 min Scan# 777

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 597719

Ion Ratio Lower Upper

43 100

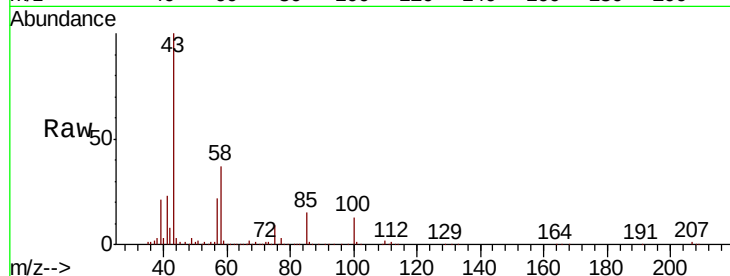
58 36.7 29.7 44.5

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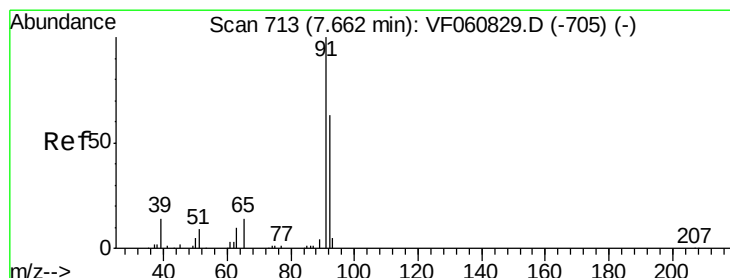
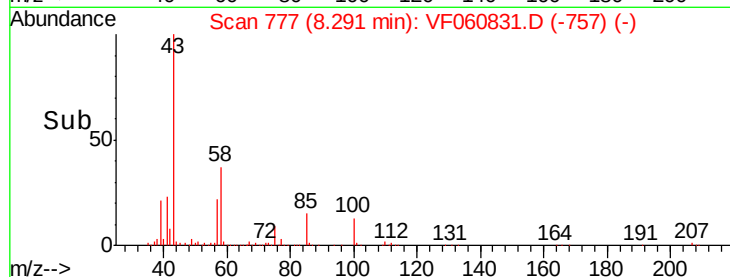
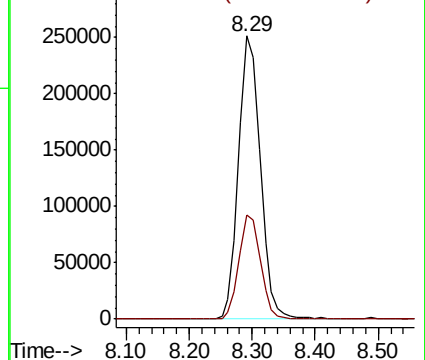
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 87.241 ug/l

RT: 7.67 min Scan# 714

Delta R.T. 0.01 min

Lab File: VF060831.D

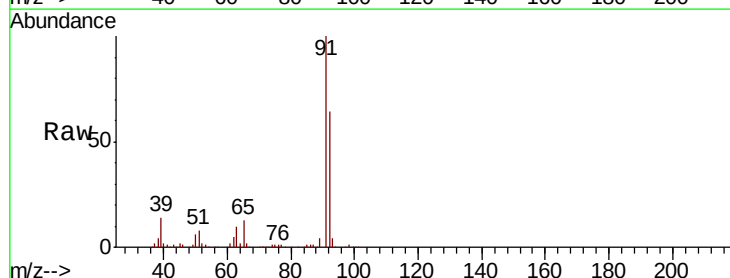
Acq: 26 Nov 2018 19:28

Tgt Ion: 92 Resp: 493942

Ion Ratio Lower Upper

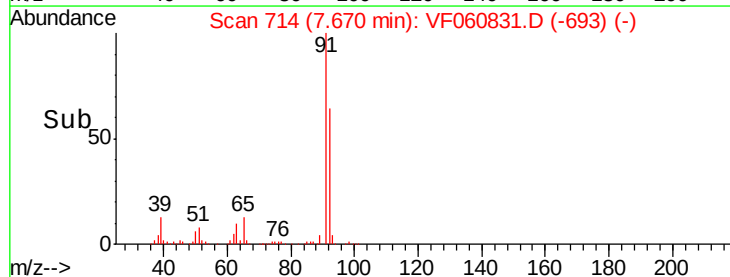
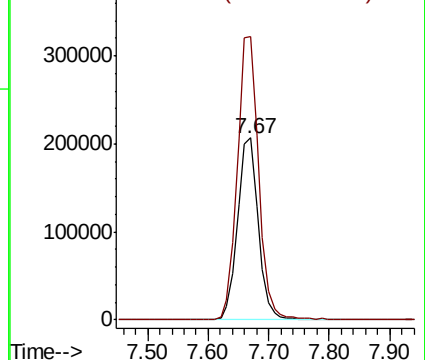
92 100

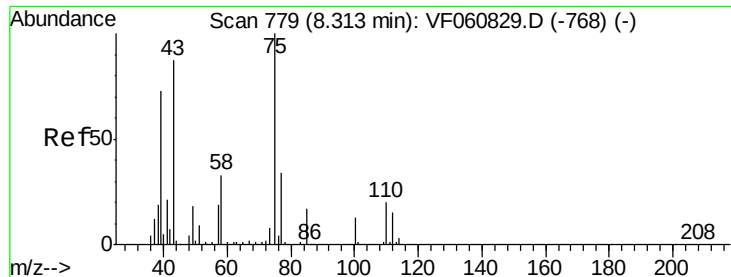
91 155.8 126.2 189.2



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: 90.113 ug/l

RT: 8.32 min Scan# 780

Delta R.T. 0.01 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 272688

Ion Ratio Lower Upper

75 100

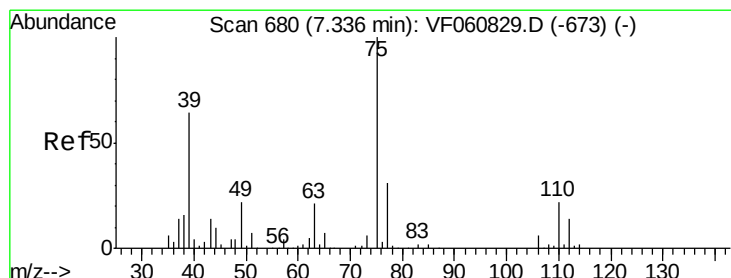
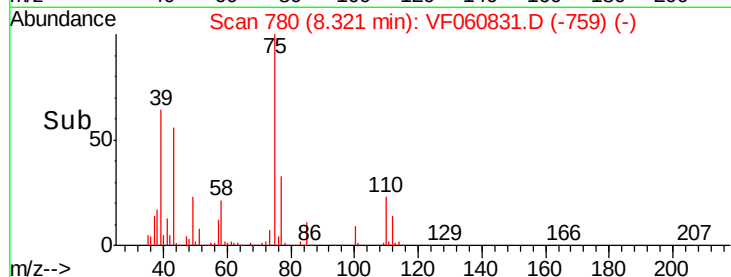
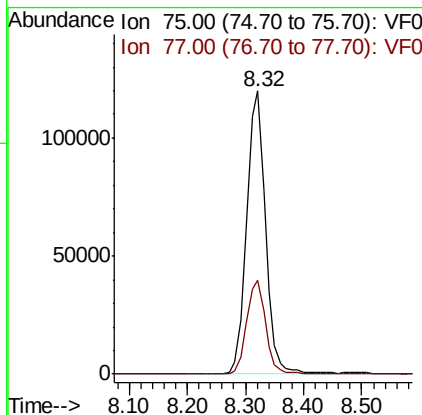
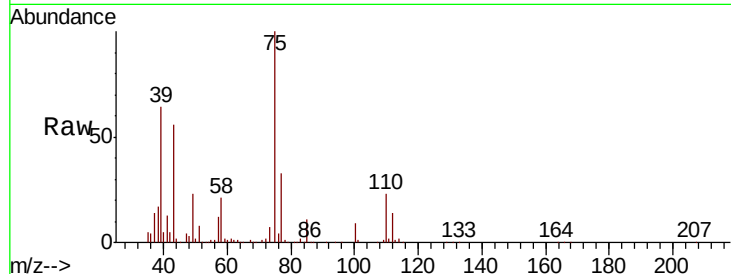
77 33.4 27.4 41.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 87.811 ug/l

RT: 7.34 min Scan# 681

Delta R.T. 0.01 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

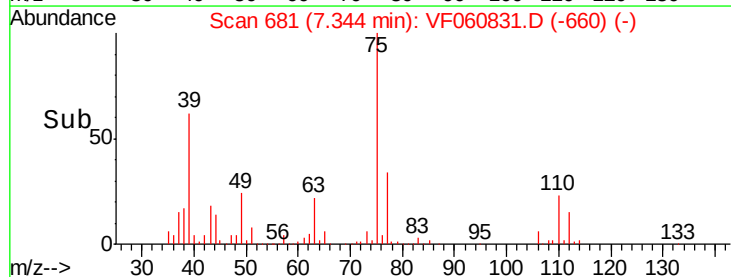
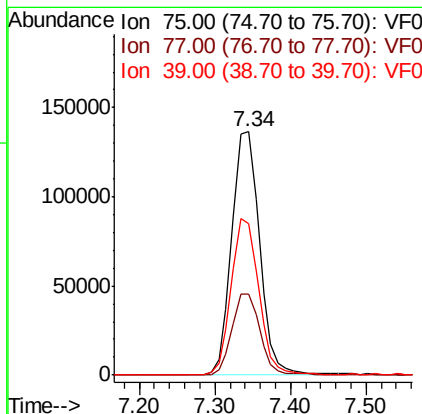
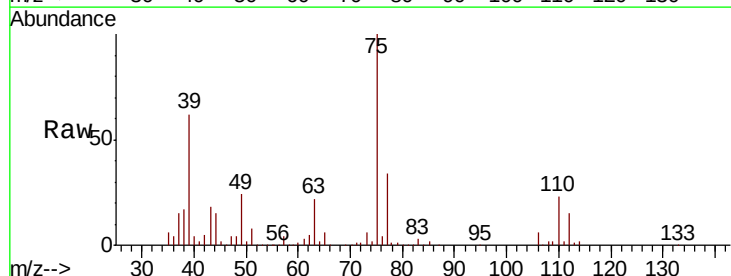
Tgt Ion: 75 Resp: 347391

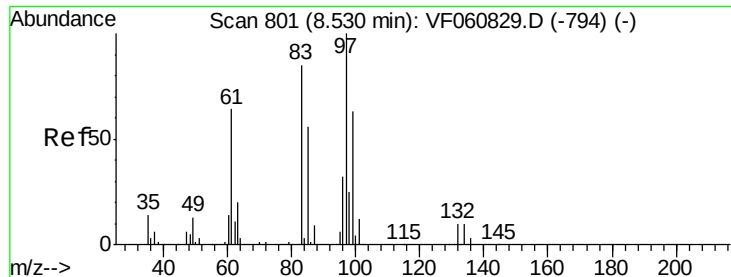
Ion Ratio Lower Upper

75 100

77 33.5 25.0 37.6

39 62.3 51.1 76.7





#55

1,1,2-Trichloroethane

Concen: 93.876 ug/l

RT: 8.53 min Scan# 801

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

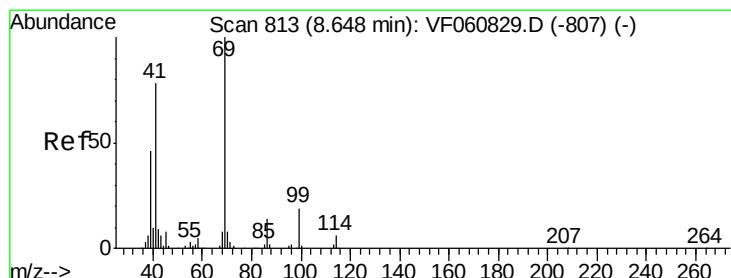
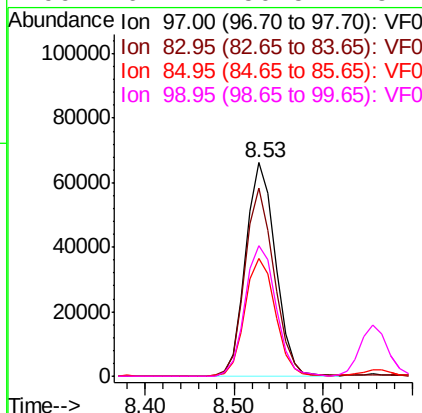
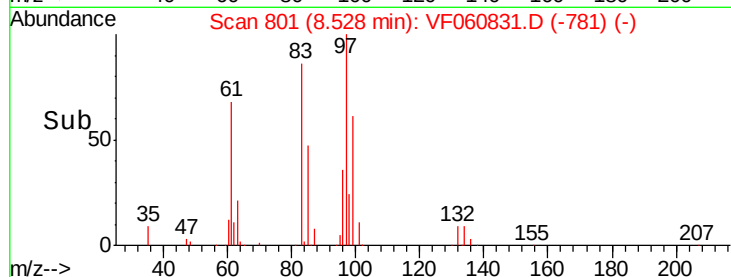
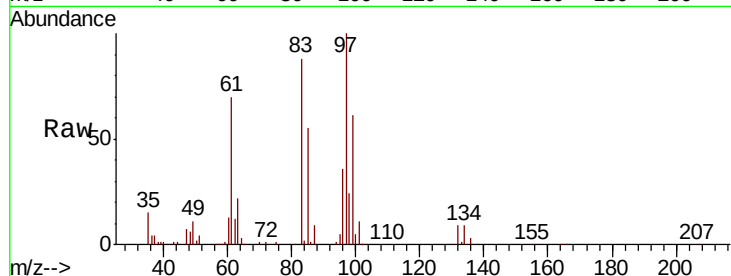
ClientSampleId :

VSTDIC100

Tot Ion:	97	Resp:	153281
Ion	Ratio	Lower	Upper
97	100		
83	88.3	67.8	101.6
85	55.2	45.0	67.6
99	61.2	50.5	75.7

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#56

Ethyl methacrylate

Concen: 89.950 ug/l

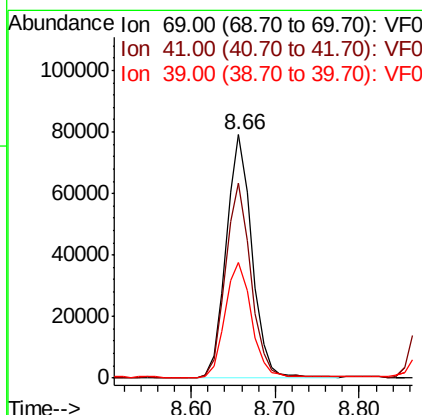
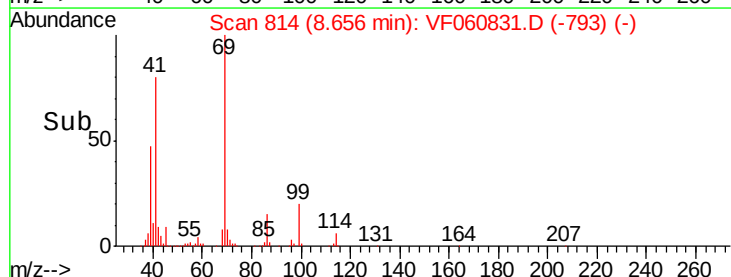
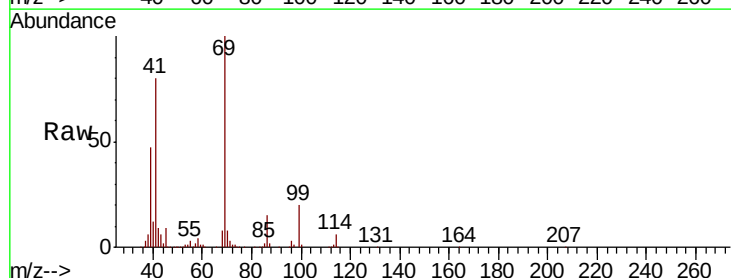
RT: 8.66 min Scan# 814

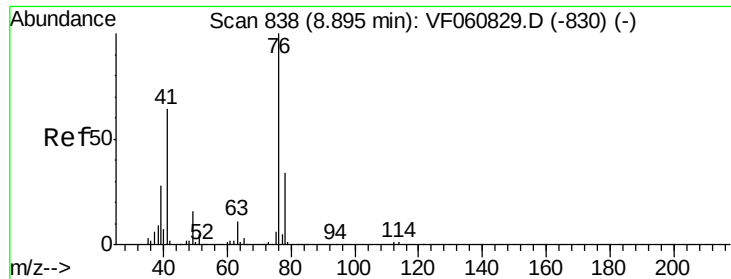
Delta R.T. 0.01 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Tgt Ion:	69	Resp:	168632
Ion	Ratio	Lower	Upper
69	100		
41	80.0	62.6	94.0
39	47.3	37.8	56.6





#57

1,3-Dichloropropane

Concen: 93.592 ug/l

RT: 8.89 min Scan# 838

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 269468

Ion Ratio Lower Upper

76 100

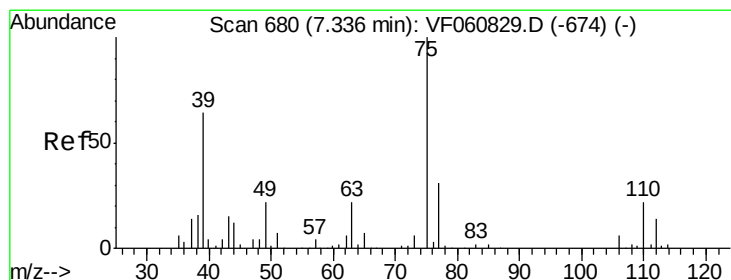
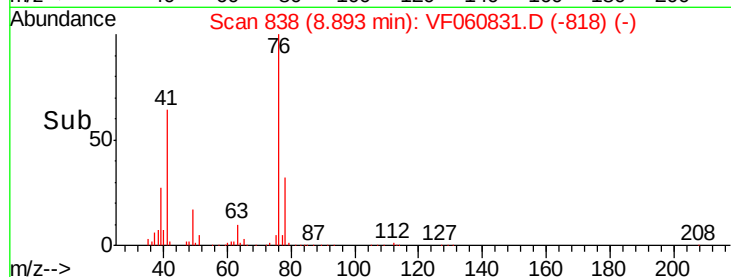
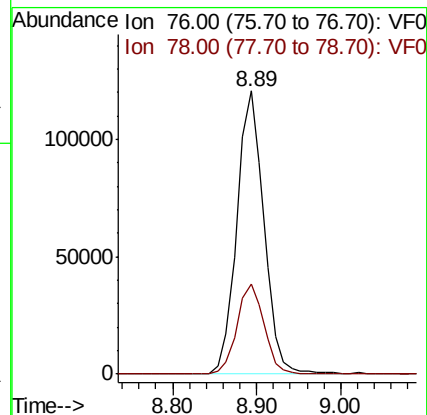
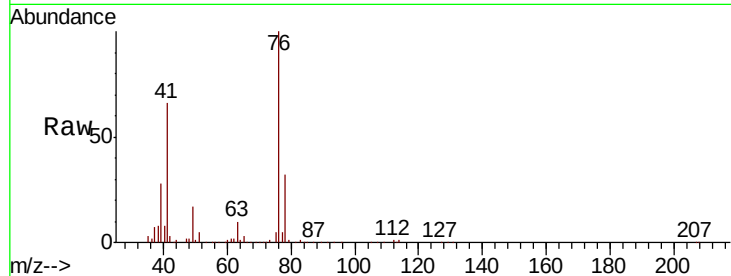
78 31.8 27.0 40.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 514.697 ug/l

RT: 7.33 min Scan# 680

Delta R.T. -0.00 min

Lab File: VF060831.D

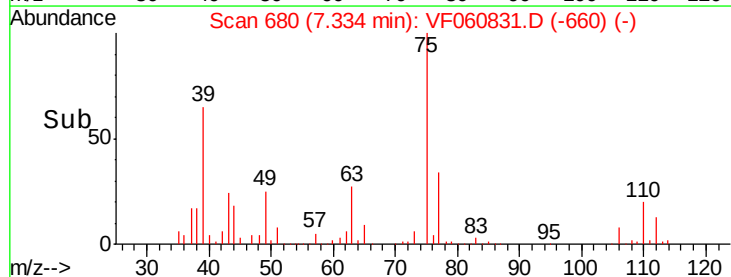
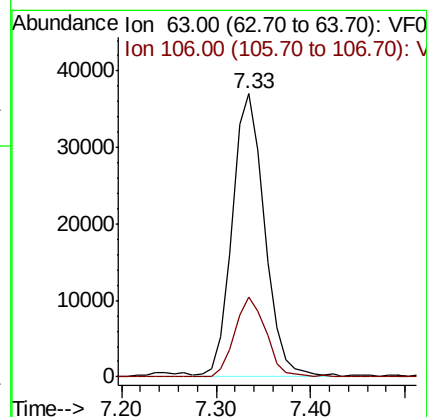
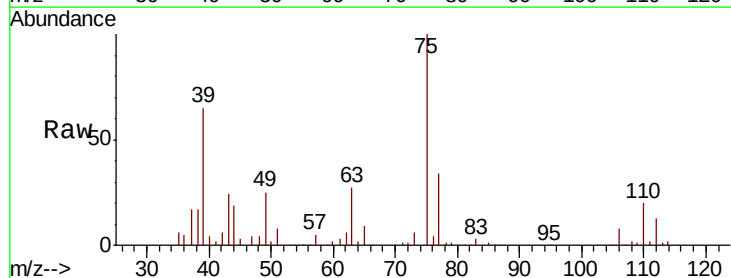
Acq: 26 Nov 2018 19:28

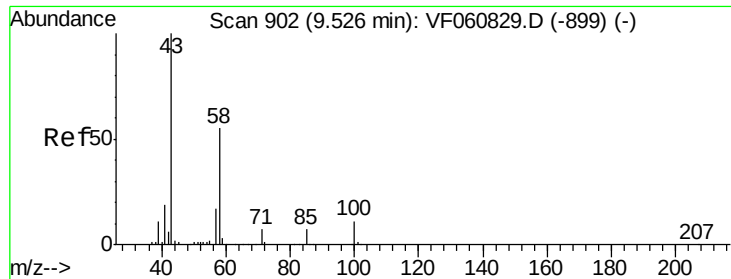
Tgt Ion: 63 Resp: 87689

Ion Ratio Lower Upper

63 100

106 28.3 23.0 34.6





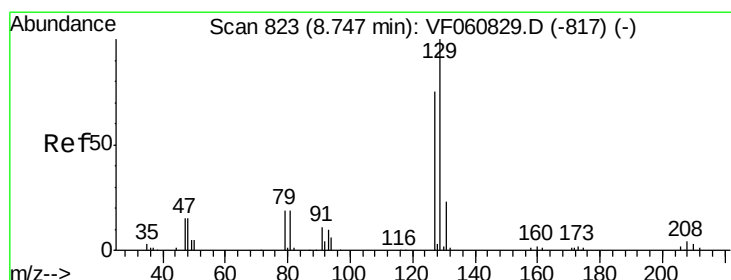
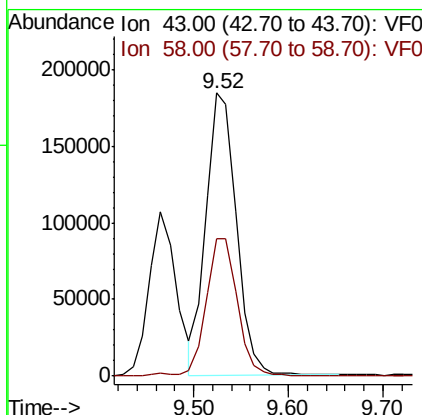
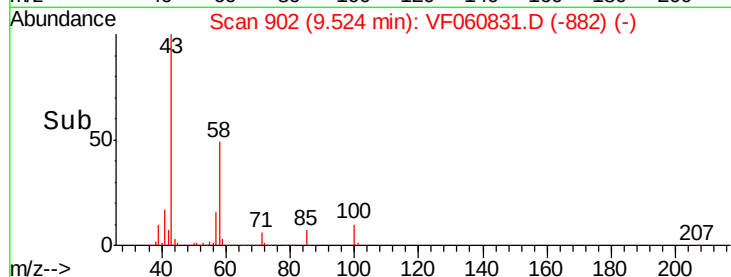
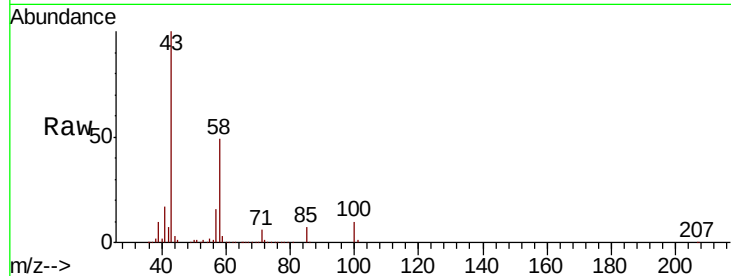
#59
2-Hexanone
Concen: 426.690 ug/l
RT: 9.52 min Scan# 902
Delta R.T. -0.00 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 411995
Ion Ratio Lower Upper
43 100
58 48.7 25.6 76.6

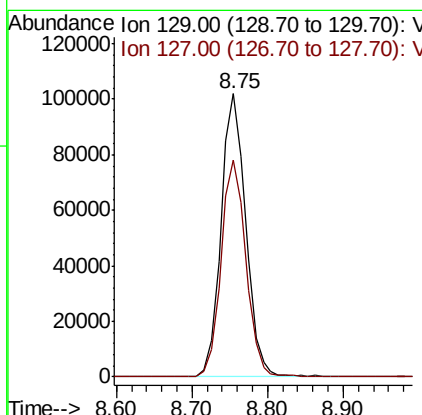
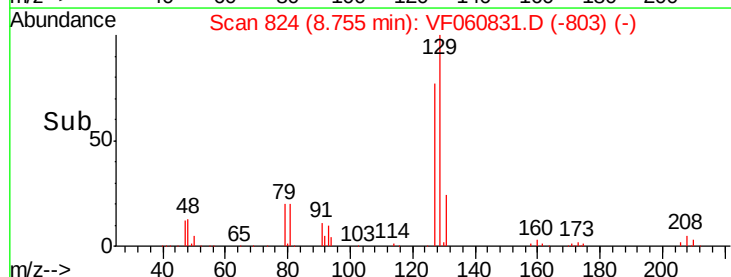
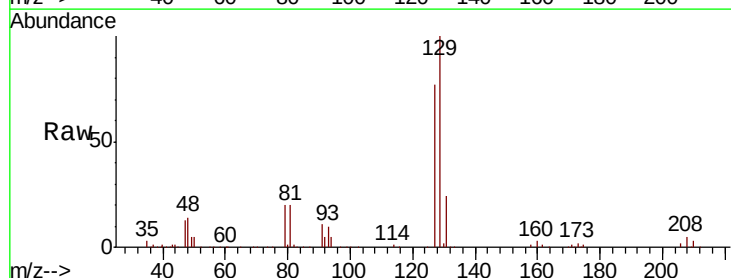
Manual Integrations
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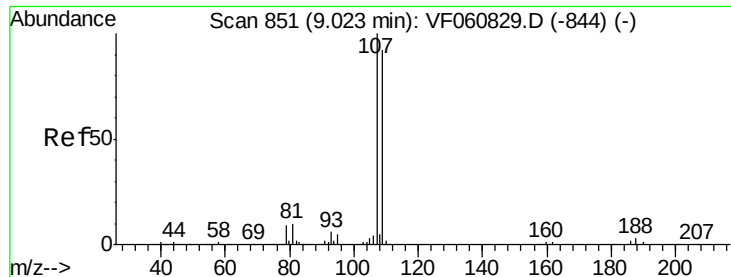
apatel
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#60
Dibromochloromethane
Concen: 98.299 ug/l
RT: 8.75 min Scan# 824
Delta R.T. 0.01 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Tgt Ion: 129 Resp: 232073
Ion Ratio Lower Upper
129 100
127 76.6 37.3 111.9





#61

1,2-Dibromoethane

Concen: 98.089 ug/l

RT: 9.02 min Scan# 851

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 169027

Ion Ratio Lower Upper

107 100

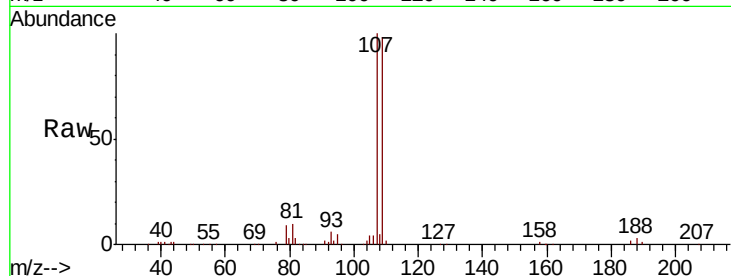
109 98.2 73.6 110.4

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

80000

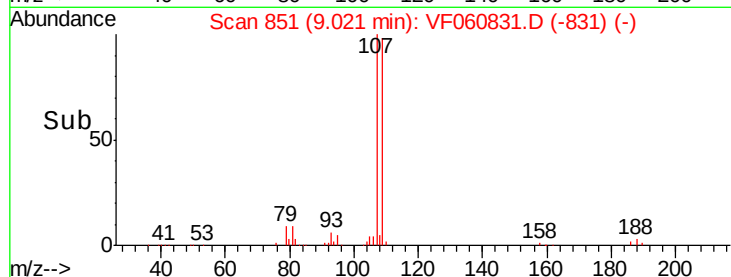
60000

40000

20000

0

Time-->

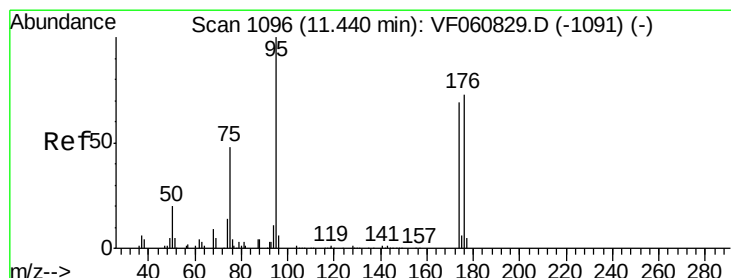


8.90

9.00

9.10

9.20



#62

4-Bromofluorobenzene

Concen: 96.945 ug/l

RT: 11.44 min Scan# 1096

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

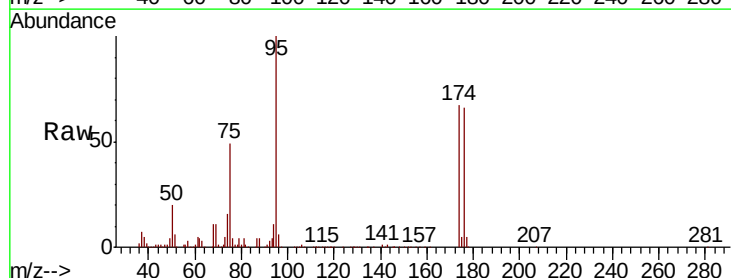
Tgt Ion: 95 Resp: 333603

Ion Ratio Lower Upper

95 100

174 66.9 0.0 138.2

176 65.7 0.0 146.2



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

250000

200000

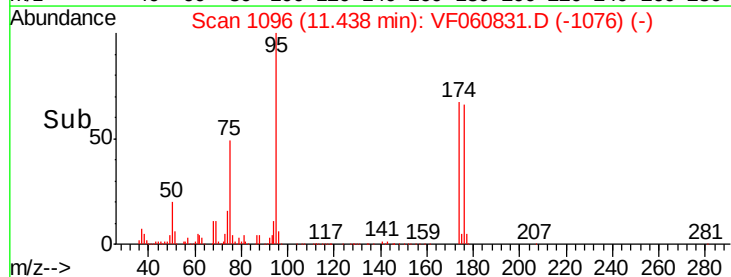
150000

100000

50000

0

Time-->

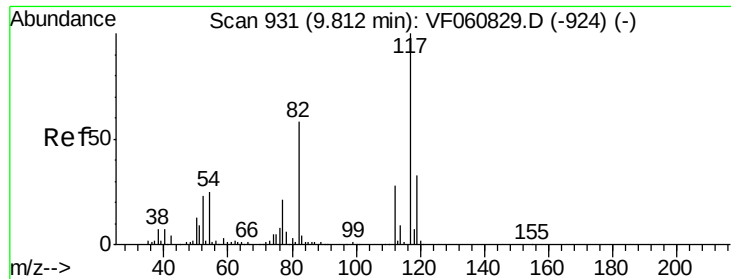


11.30

11.40

11.50

11.60



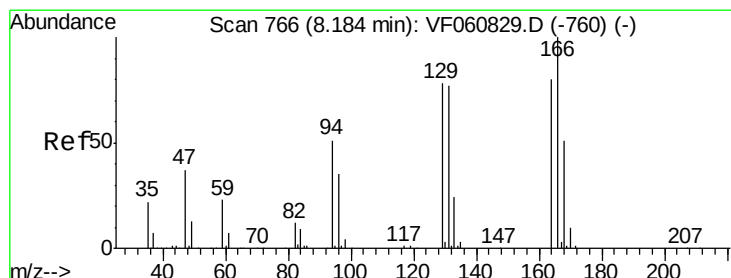
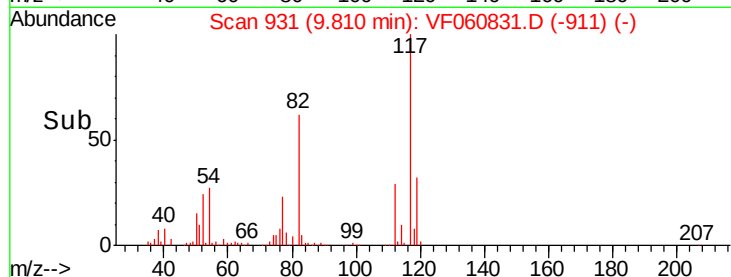
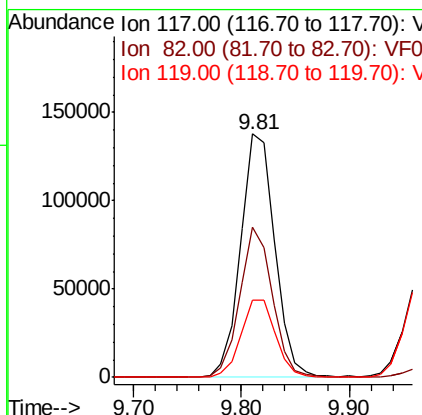
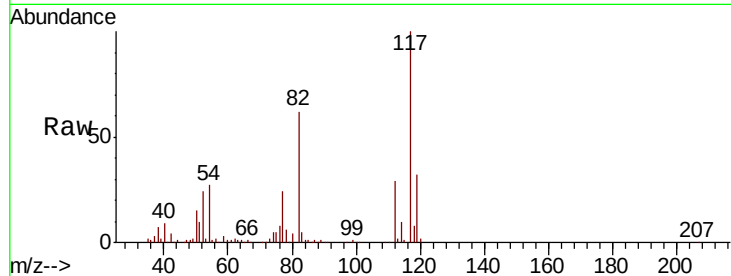
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.81 min Scan# 931
Delta R.T. -0.00 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.8	46.6	69.8
119	31.9	26.4	39.6

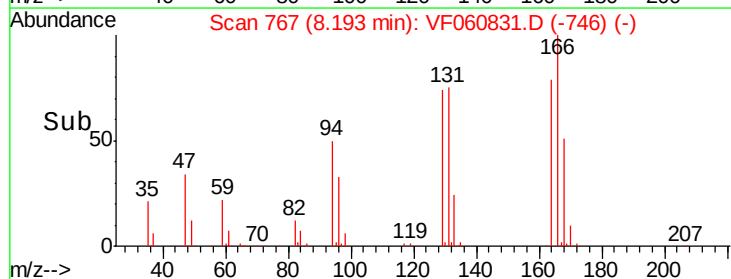
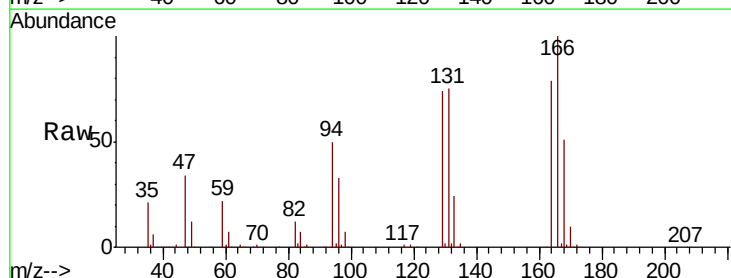
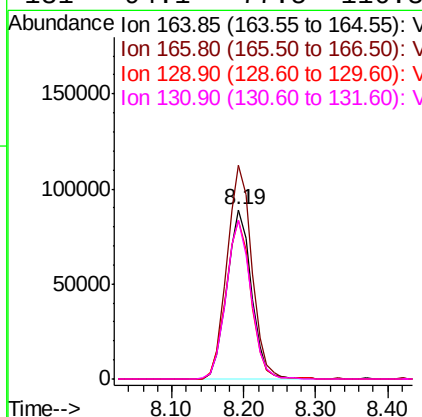
Manual Integrations
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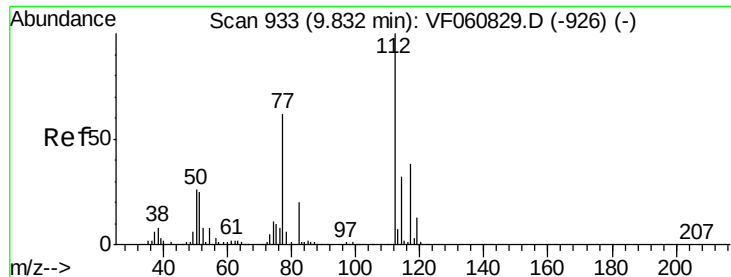
apatel
11/27/2018 3:17:06 PM



#64
Tetrachloroethene
Concen: 90.031 ug/l
RT: 8.19 min Scan# 767
Delta R.T. 0.01 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	100.3	150.5
129	93.5	77.9	116.9
131	94.1	77.5	116.3





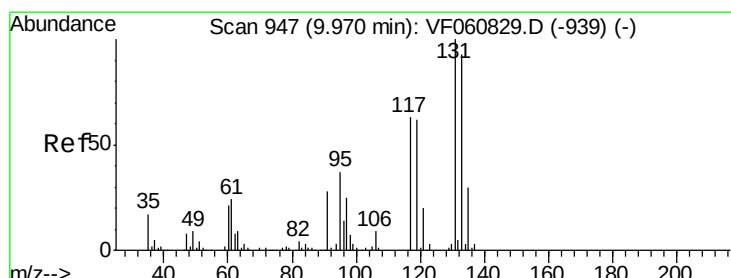
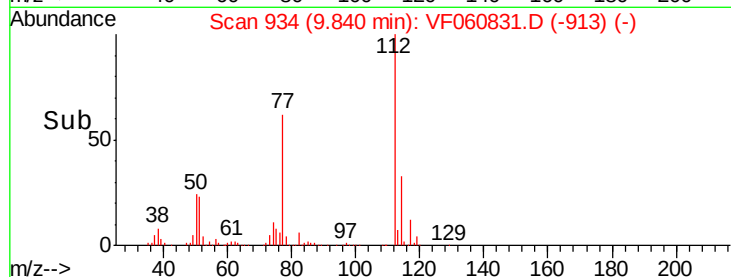
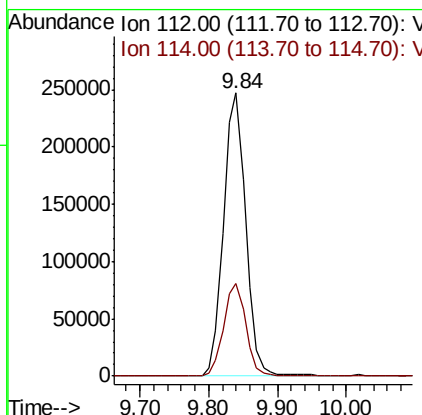
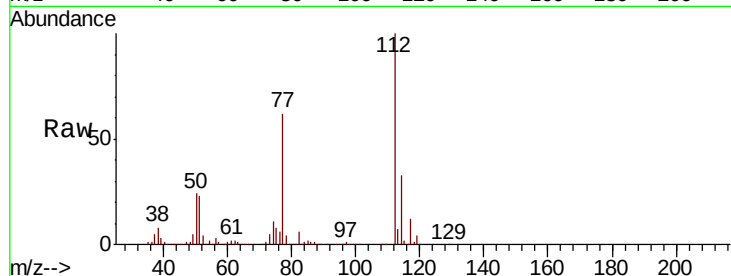
#65
Chlorobenzene
Concen: 90.663 ug/l
RT: 9.84 min Scan# 934
Delta R.T. 0.01 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 554027
Ion Ratio Lower Upper
112 100
114 32.8 26.0 39.0

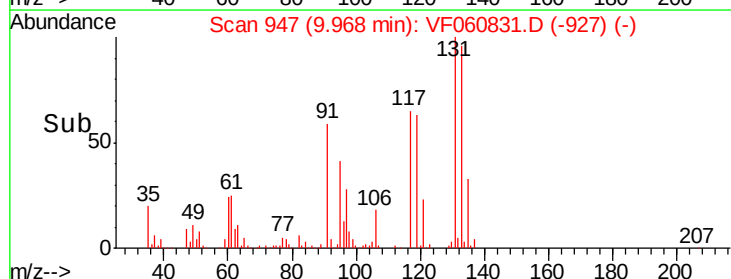
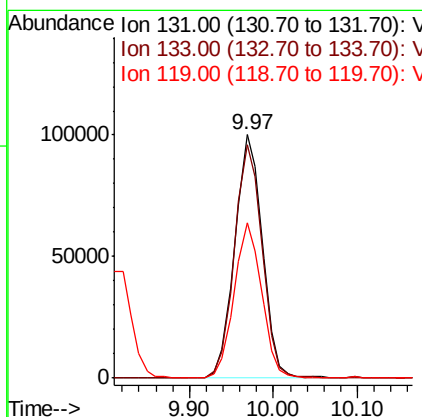
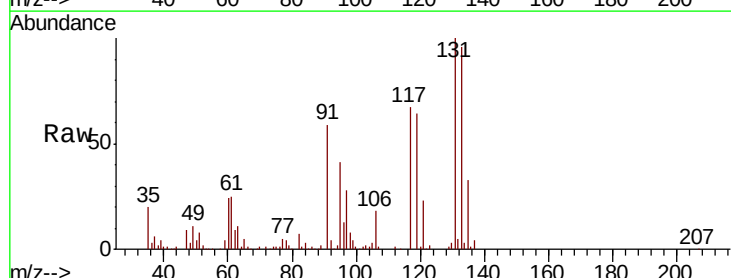
Manual Integrations
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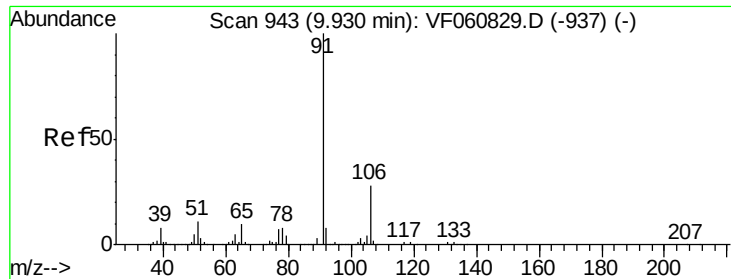
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 87.674 ug/l
RT: 9.97 min Scan# 947
Delta R.T. -0.00 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Tgt Ion:131 Resp: 229415
Ion Ratio Lower Upper
131 100
133 96.1 46.5 139.3
119 63.6 31.1 93.3





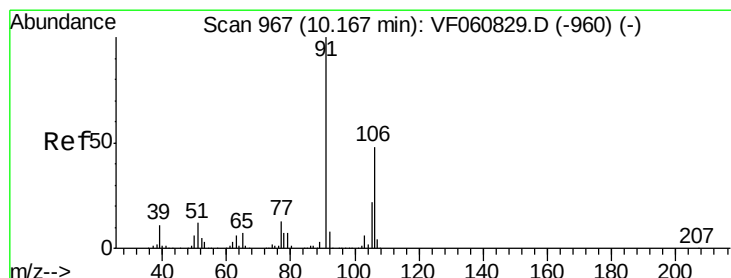
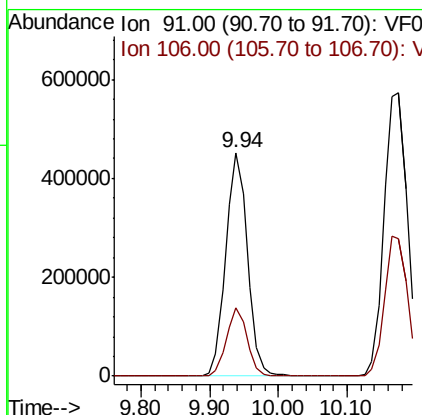
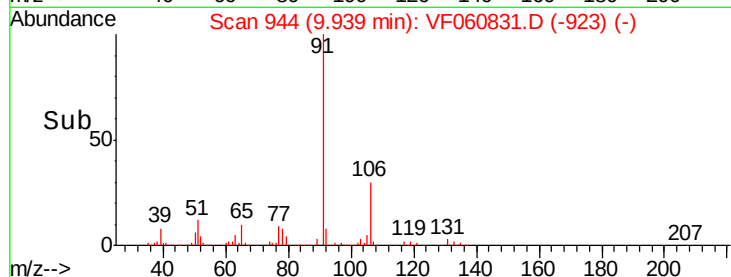
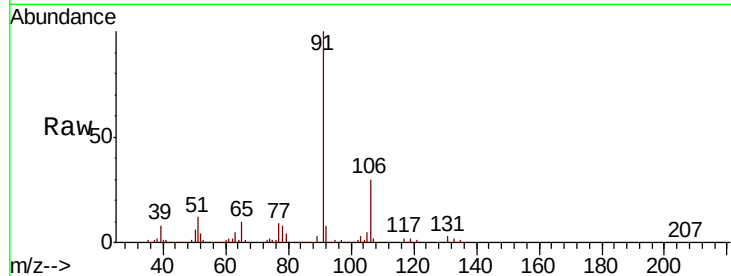
#67
Ethyl Benzene
Concen: 86.595 ug/l
RT: 9.94 min Scan# 944
Delta R.T. 0.01 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 991088
Ion Ratio Lower Upper
91 100
106 30.5 22.2 33.2

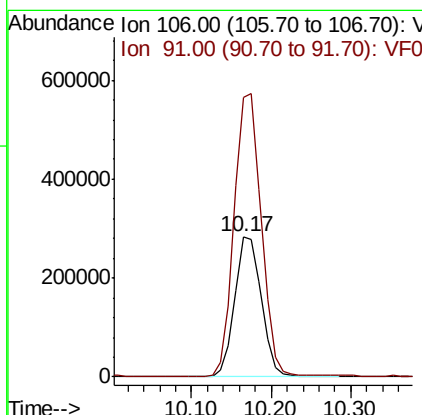
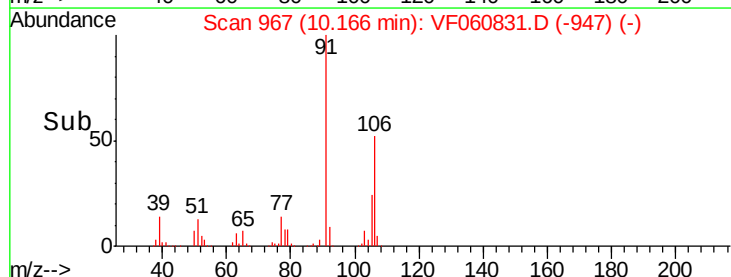
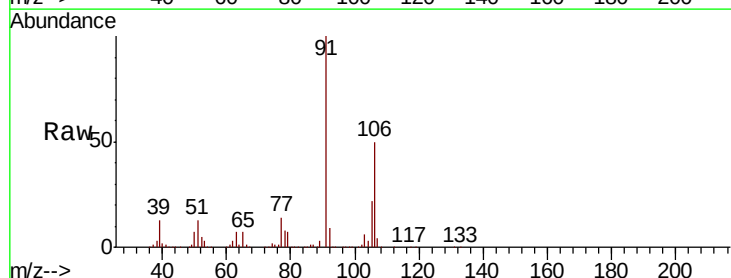
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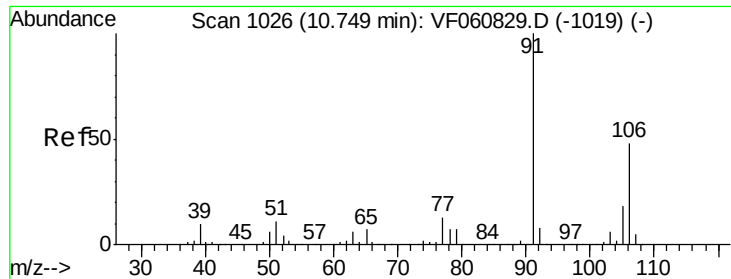
apatel
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#68
m/p-Xylenes
Concen: 162.368 ug/l
RT: 10.17 min Scan# 967
Delta R.T. -0.00 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Tgt Ion: 106 Resp: 661766
Ion Ratio Lower Upper
106 100
91 200.0 166.7 250.1





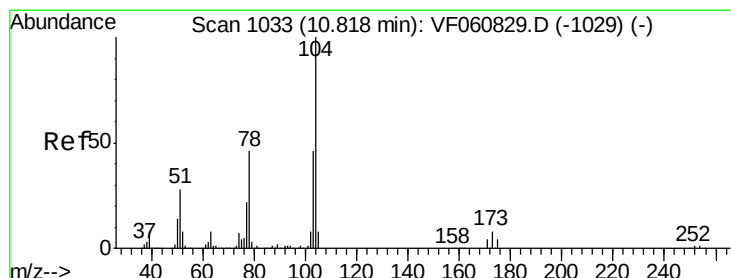
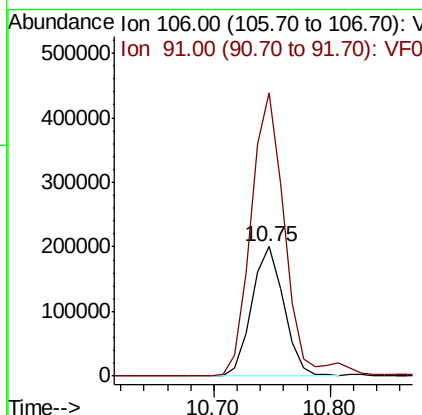
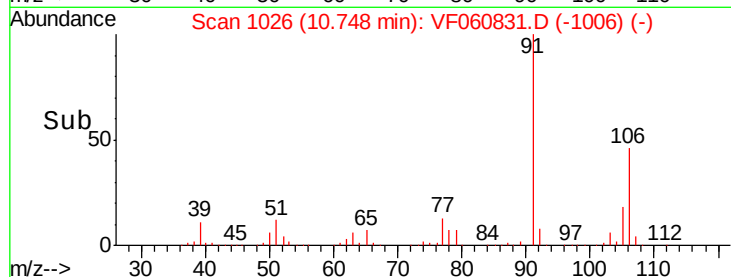
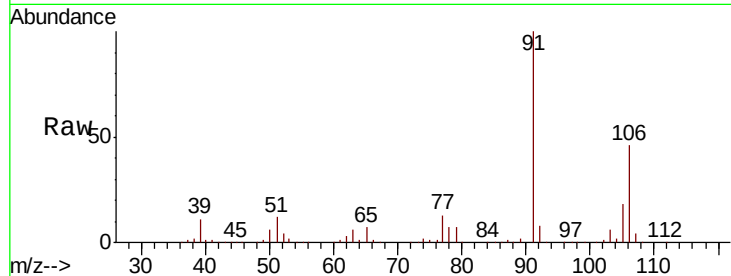
#69
o-Xylene
Concen: 84.035 ug/l
RT: 10.75 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Instrument :
MSVOA_F
ClientSampleID :
VSTDIC100

Tot Ion:106 Resp: 383614
Ion Ratio Lower Upper
106 100
91 218.5 104.8 314.6

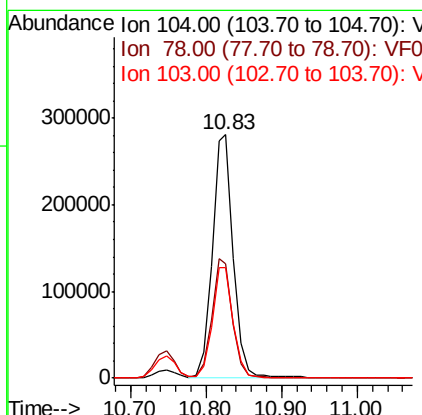
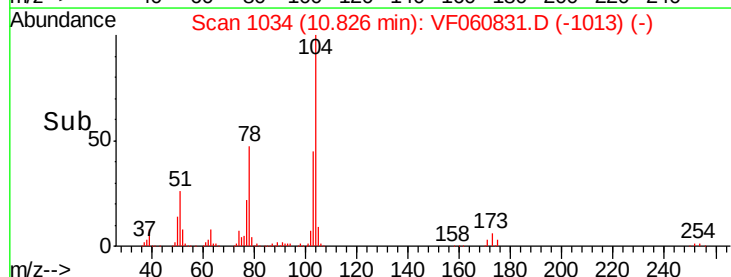
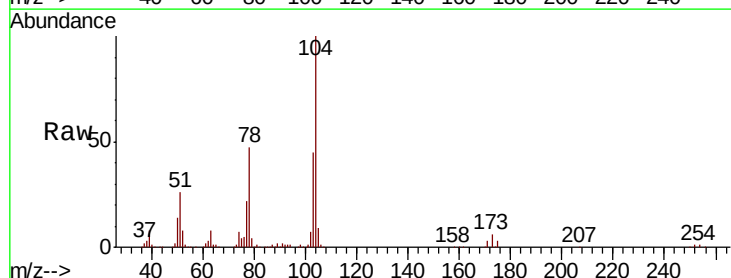
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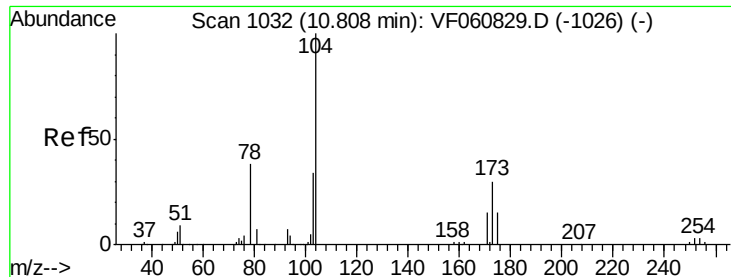
apatel
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#70
Styrene
Concen: 87.098 ug/l
RT: 10.83 min Scan# 1034
Delta R.T. 0.01 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Tgt Ion:104 Resp: 542852
Ion Ratio Lower Upper
104 100
78 47.2 37.3 55.9
103 45.3 36.8 55.2





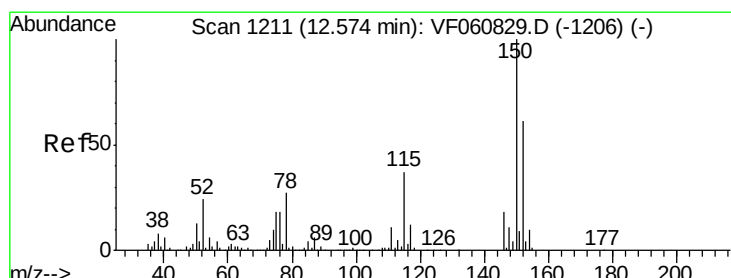
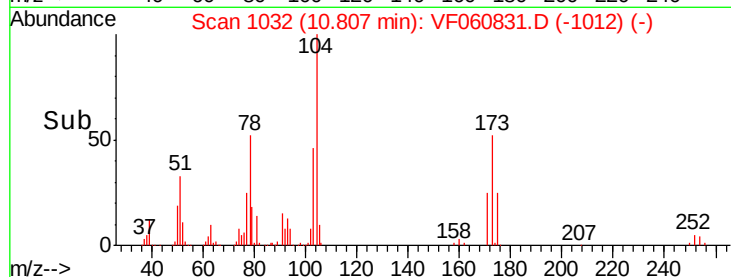
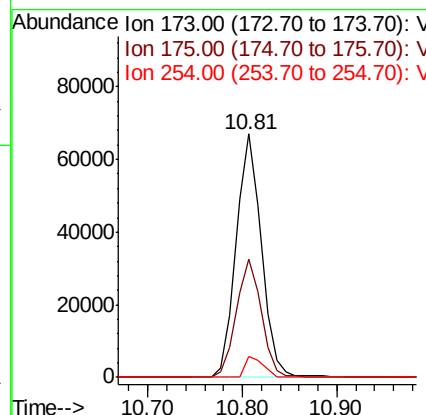
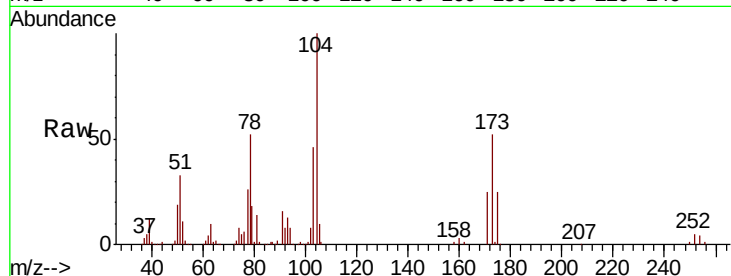
#71
Bromoform
Concen: 103.929 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	25.5	76.5
254	8.6	7.5	11.3

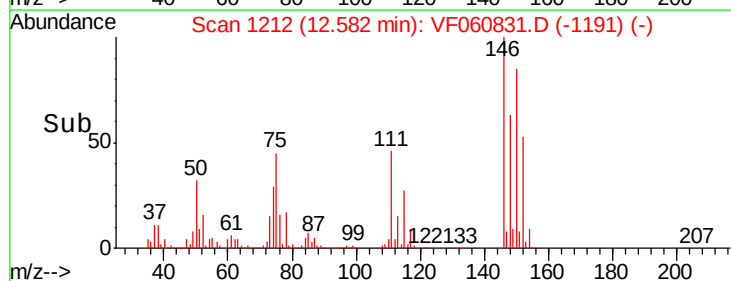
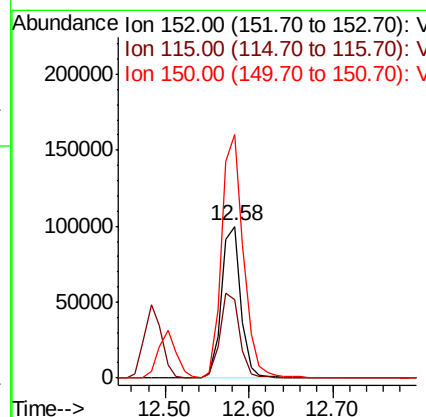
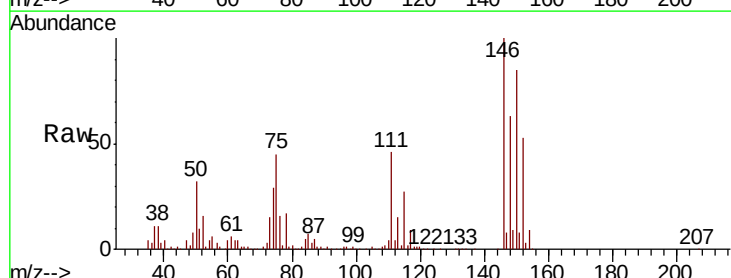
Manual Integrations
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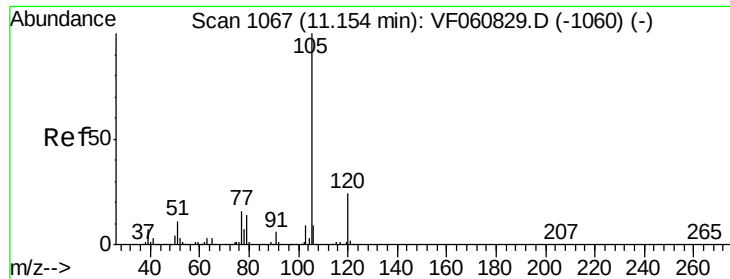
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.58 min Scan# 1212
Delta R.T. 0.01 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.5	30.1	90.5
150	160.8	0.0	327.6





#73

Isopropylbenzene

Concen: 84.884 ug/l

RT: 11.15 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 105 Resp: 1092130

Ion Ratio Lower Upper

105 100

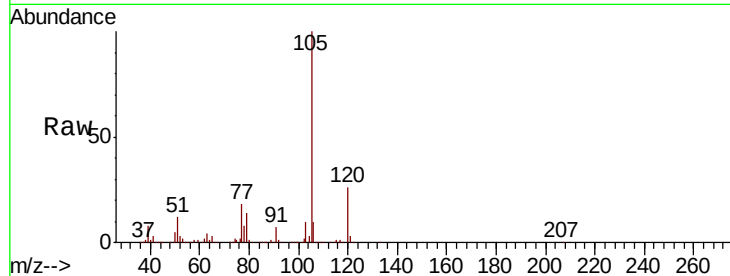
120 26.1 12.2 36.4

Manual Integrations

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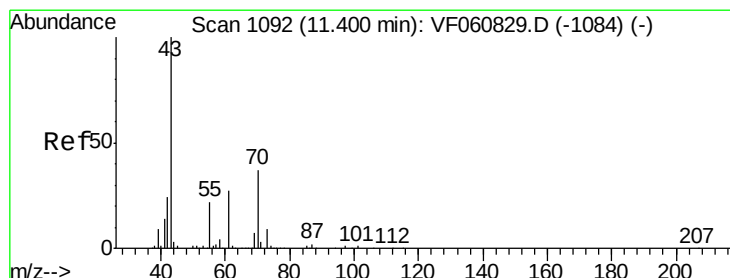
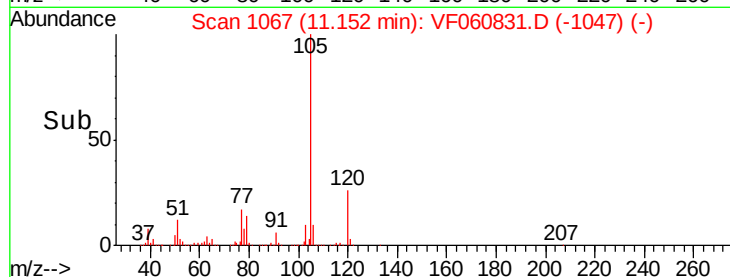
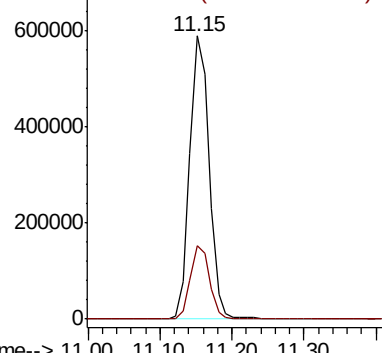
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 91.931 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Tgt Ion: 43 Resp: 272933

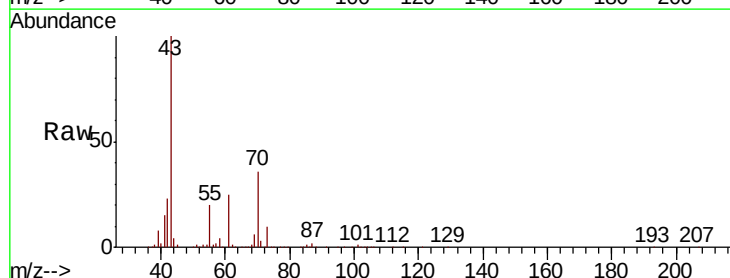
Ion Ratio Lower Upper

43 100

70 36.2 29.6 44.4

55 19.5 17.2 25.8

61 25.2 21.8 32.6

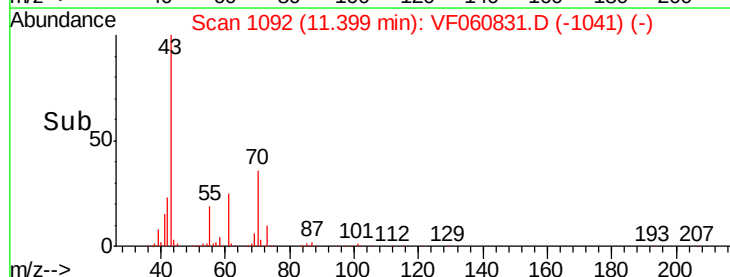
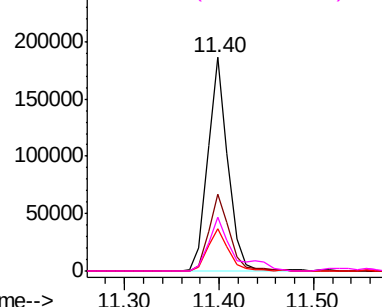


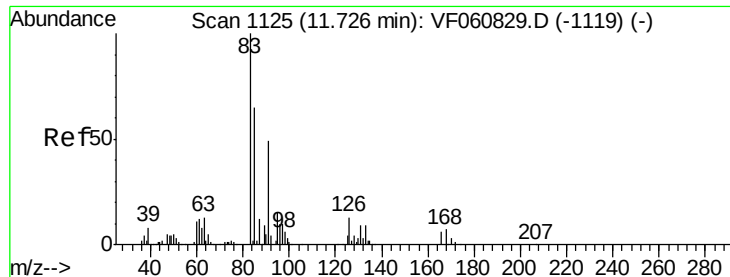
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 89.918 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 190634

Ion Ratio Lower Upper

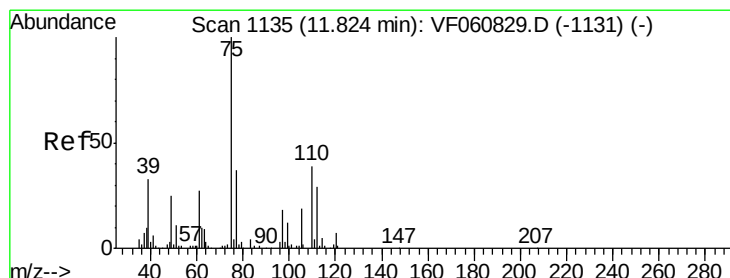
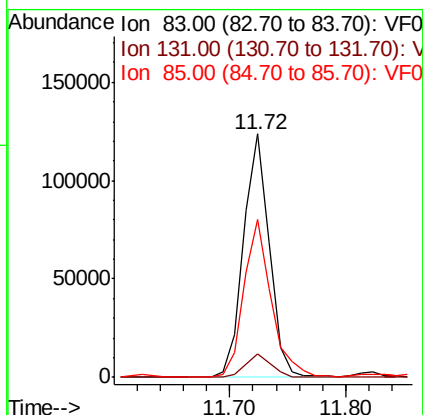
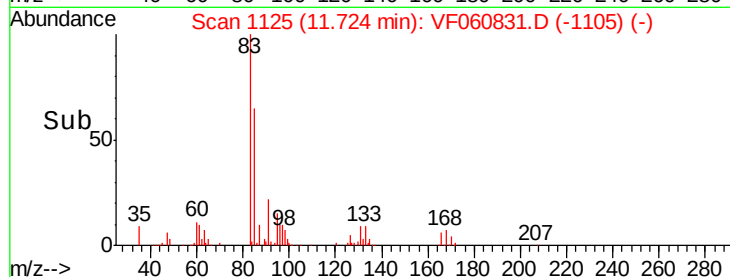
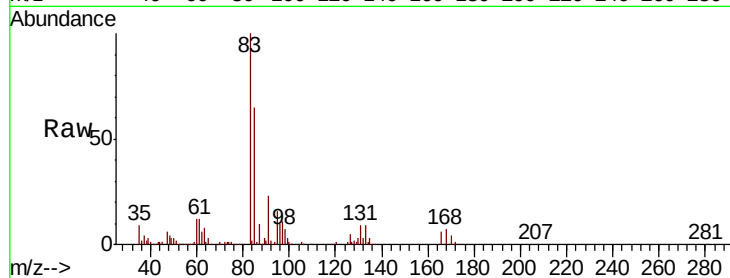
83 100

131 9.5 4.7 14.1

85 64.8 32.6 97.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 86.431 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VF060831.D

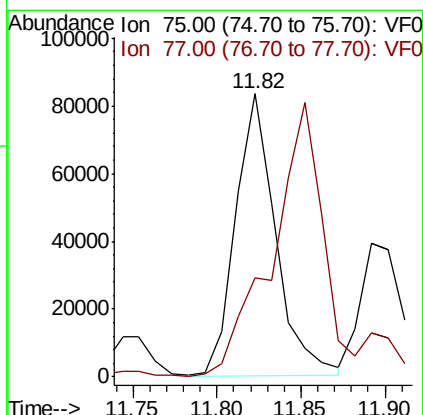
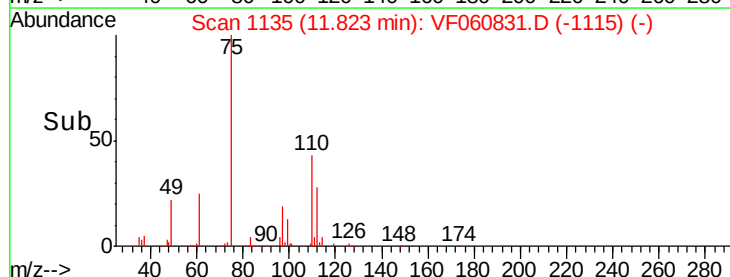
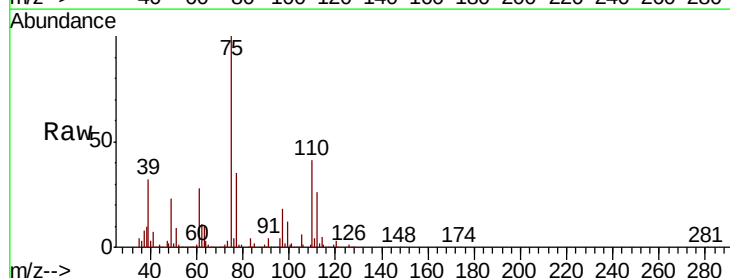
Acq: 26 Nov 2018 19:28

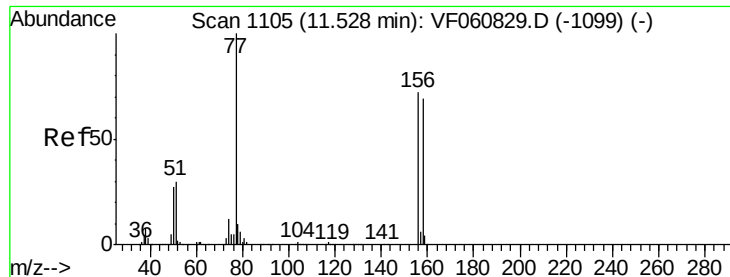
Tgt Ion: 75 Resp: 137692

Ion Ratio Lower Upper

75 100

77 34.8 18.4 55.4





#77

Bromobenzene

Concen: 92.400 ug/l

RT: 11.53 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

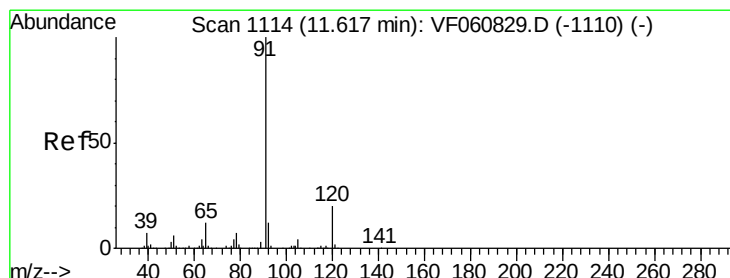
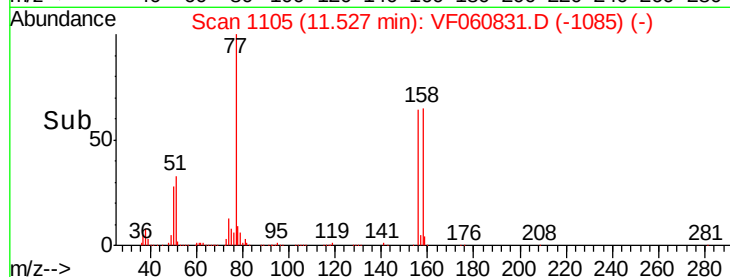
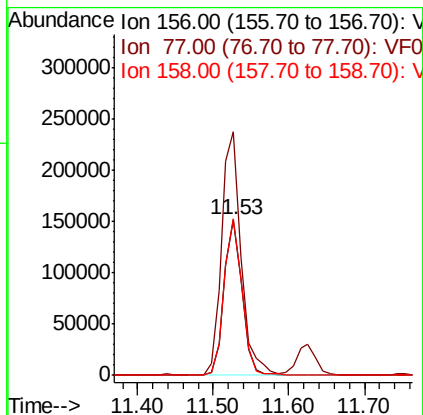
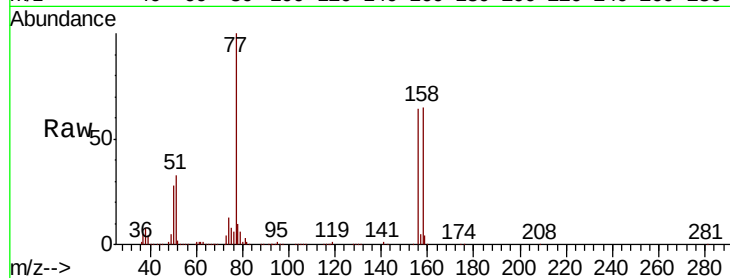
ClientSampleId :

VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	156.5	69.7	209.0	
158	101.0	47.8	143.4	

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#78

n-propylbenzene

Concen: 80.701 ug/l

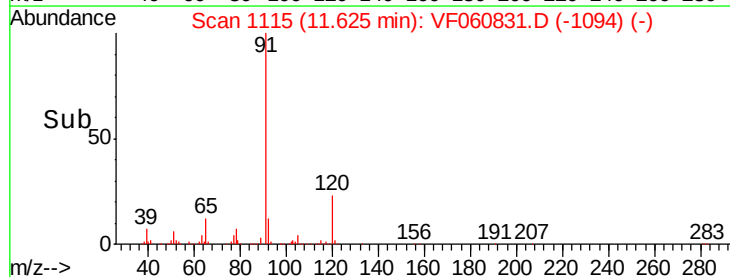
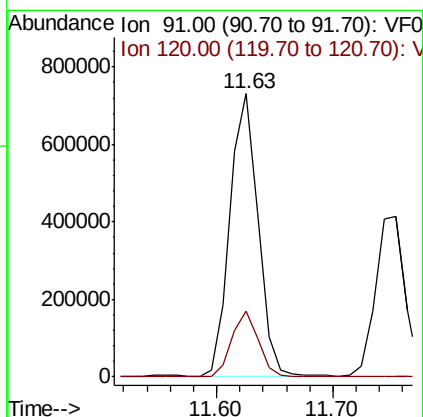
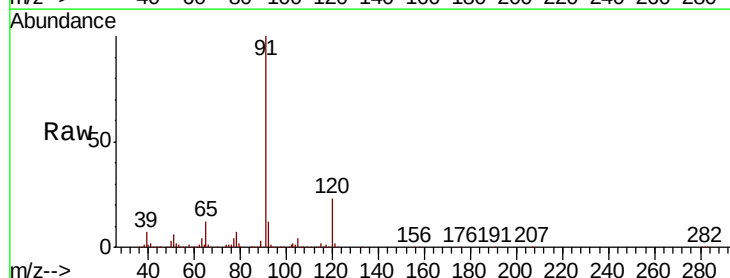
RT: 11.63 min Scan# 1115

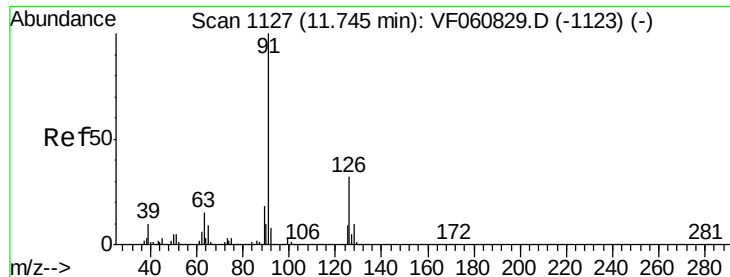
Delta R.T. 0.01 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.1	10.3	30.8	





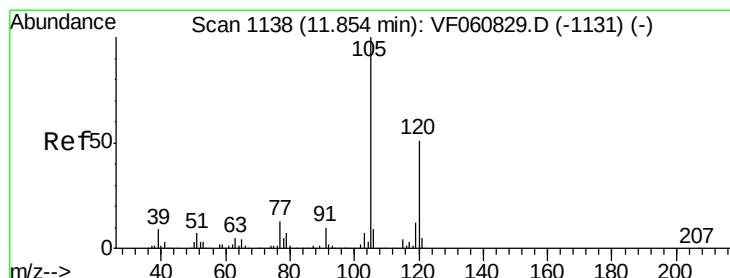
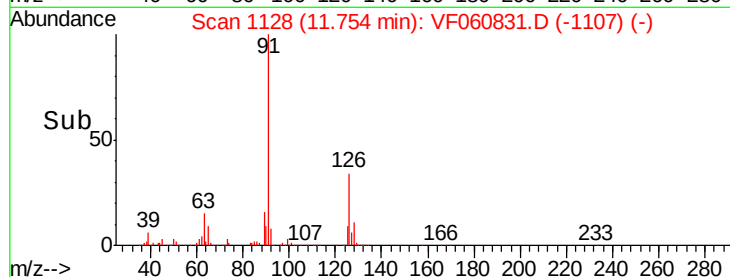
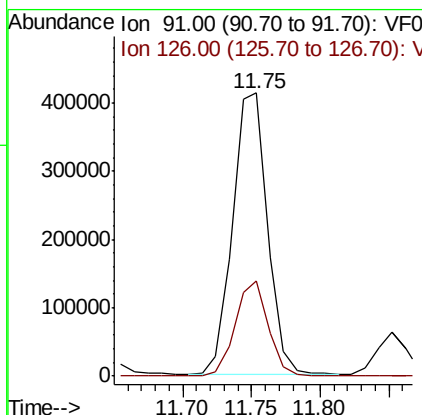
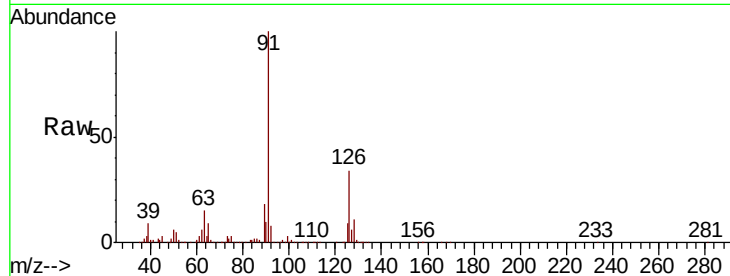
#79
 2-Chlorotoluene
 Concen: 82.860 ug/l
 RT: 11.75 min Scan# 1128
 Delta R.T. 0.01 min
 Lab File: VF060831.D
 Acq: 26 Nov 2018 19:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.5	15.9	47.6

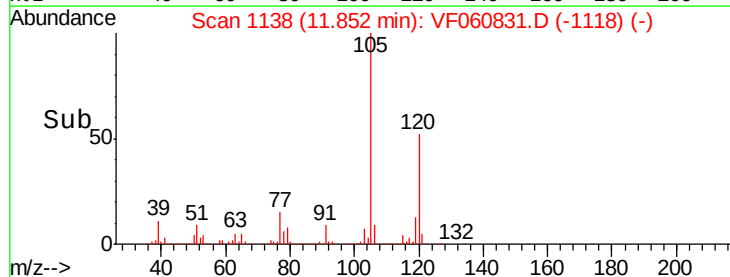
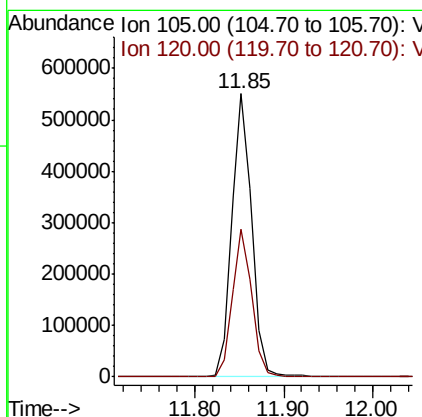
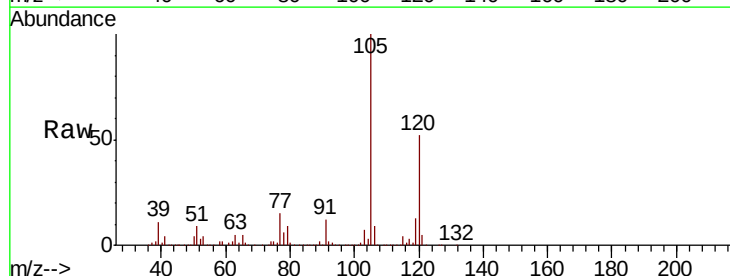
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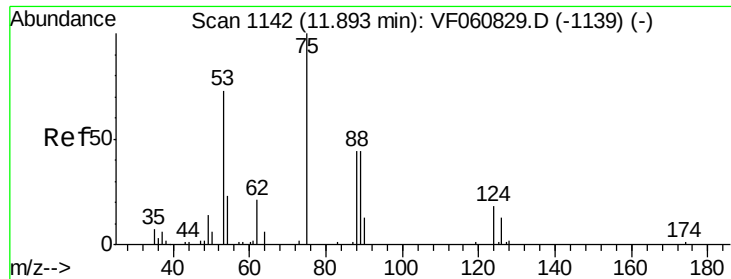
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#80
 1,3,5-Trimethylbenzene
 Concen: 84.672 ug/l
 RT: 11.85 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VF060831.D
 Acq: 26 Nov 2018 19:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	52.3	25.8	77.3





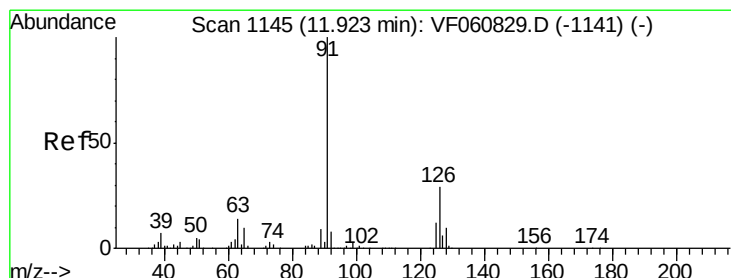
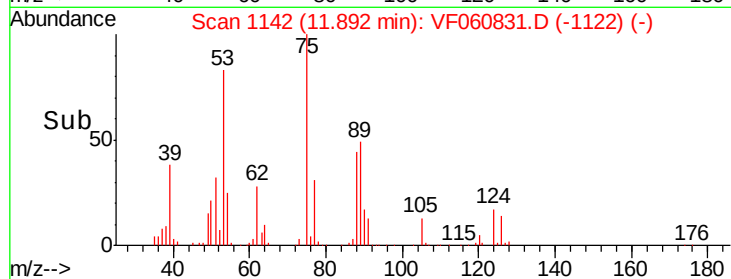
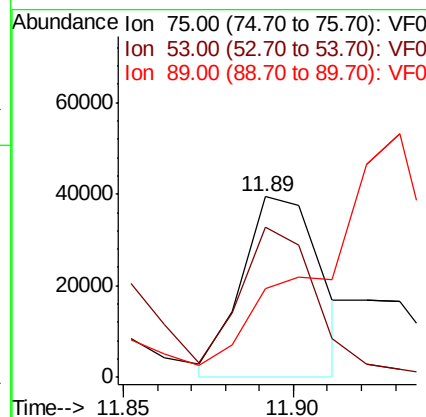
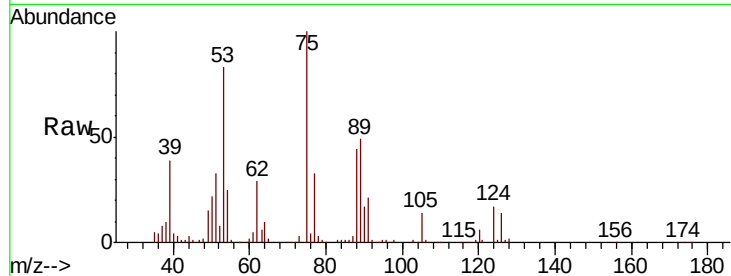
#81
trans-1,4-Dichloro-2-butene
Concen: 82.756 ug/l m
RT: 11.89 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	83.2	65.9	98.9
89	49.1	38.8	58.2

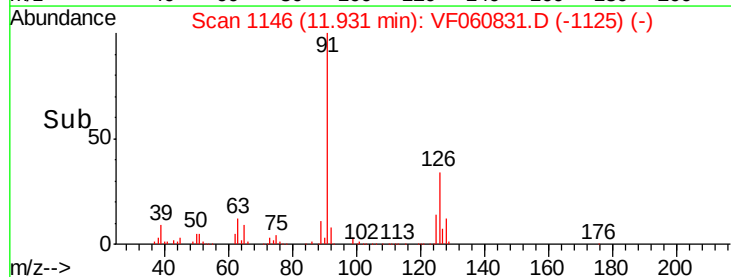
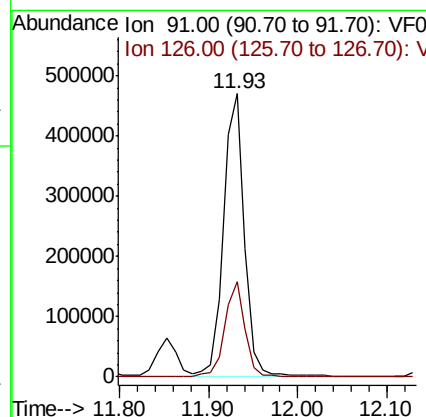
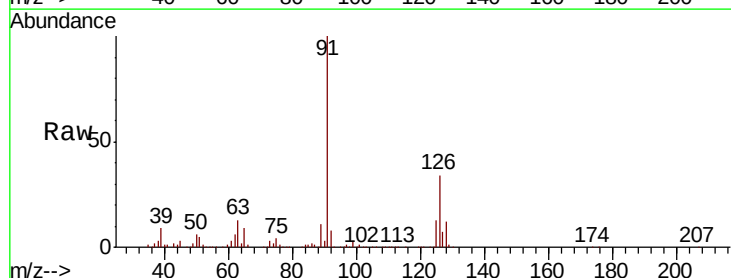
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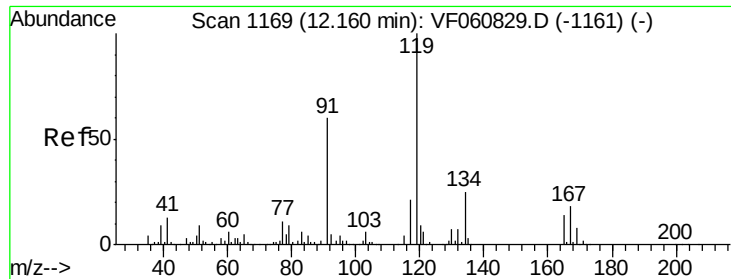
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#82
4-Chlorotoluene
Concen: 85.489 ug/l
RT: 11.93 min Scan# 1146
Delta R.T. 0.01 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.6	14.8	44.4





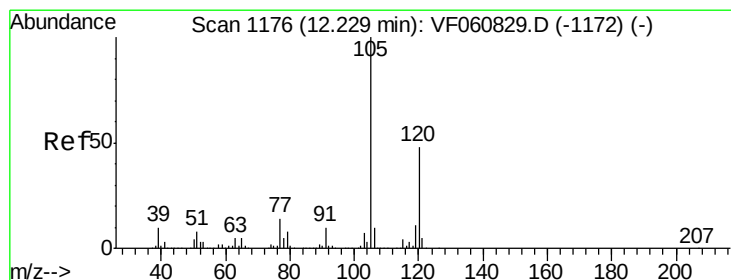
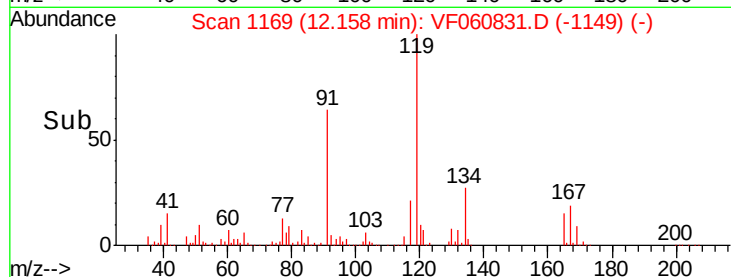
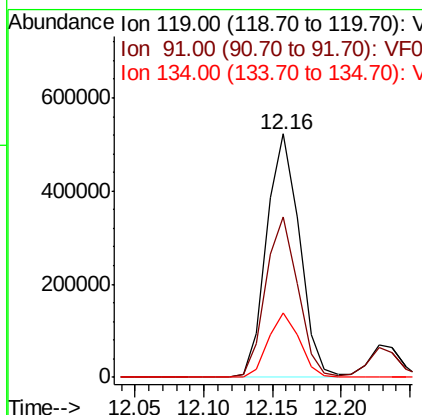
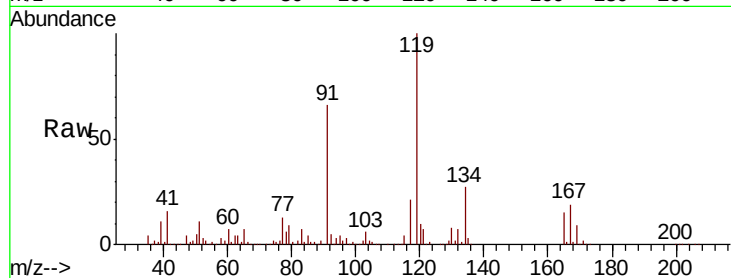
#83
tert-Butylbenzene
Concen: 81.161 ug/l
RT: 12.16 min Scan# 1169
Delta R.T. -0.00 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.7	30.1	90.3
134	26.5	12.6	37.8

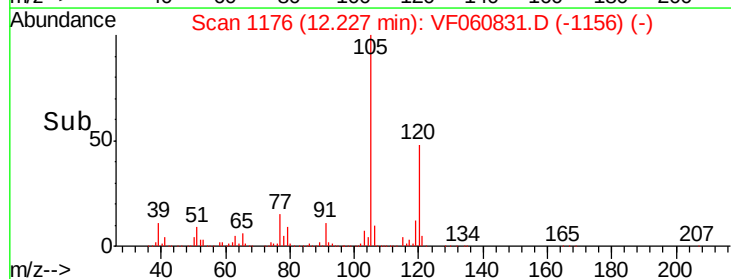
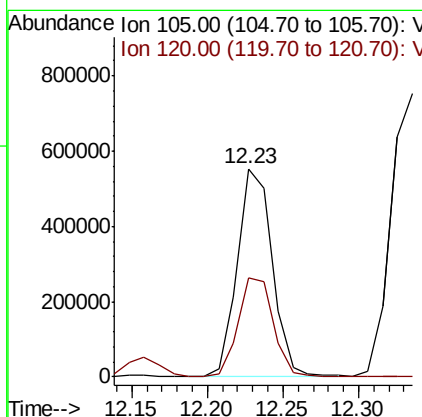
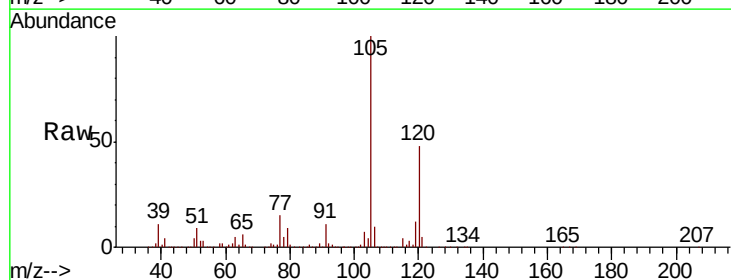
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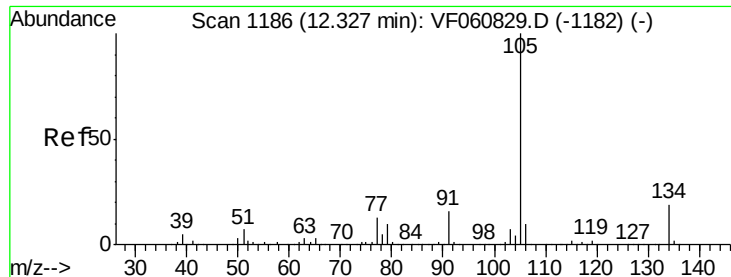
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#84
1,2,4-Trimethylbenzene
Concen: 83.647 ug/l
RT: 12.23 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.8	71.5





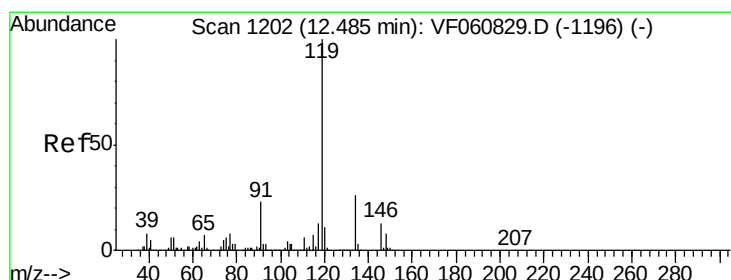
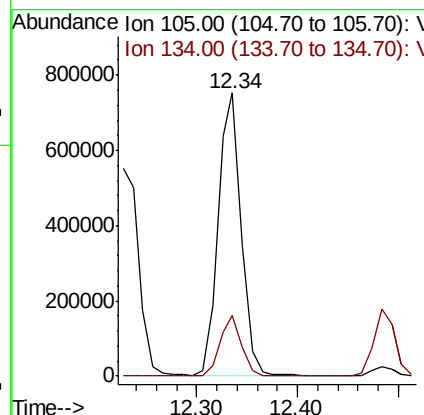
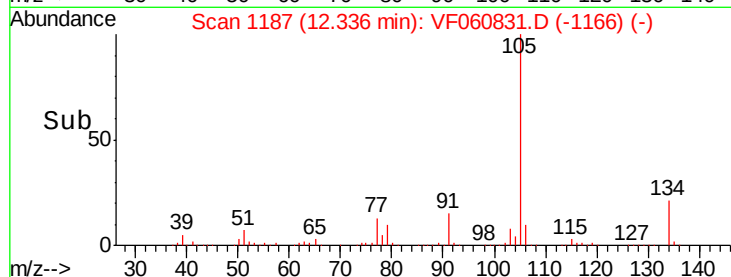
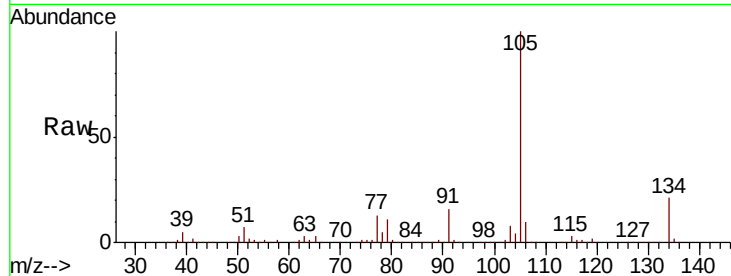
#85
 sec-Butylbenzene
 Concen: 81.914 ug/l
 RT: 12.34 min Scan# 1187
 Delta R.T. 0.01 min
 Lab File: VF060831.D
 Acq: 26 Nov 2018 19:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 1202373
 Ion Ratio Lower Upper
 105 100
 134 21.2 9.5 28.5

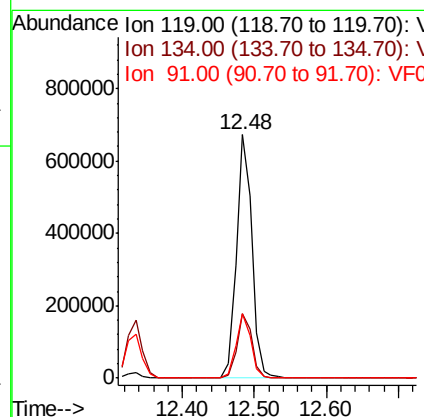
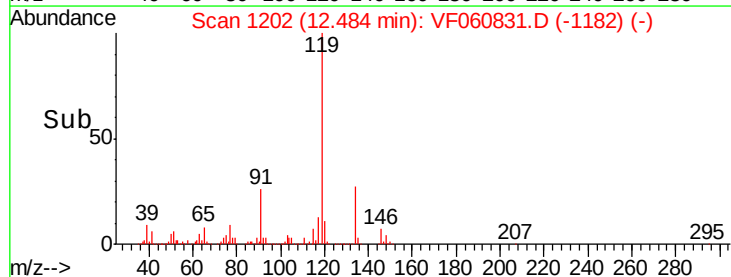
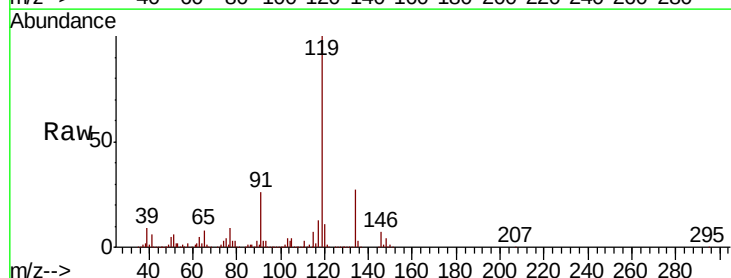
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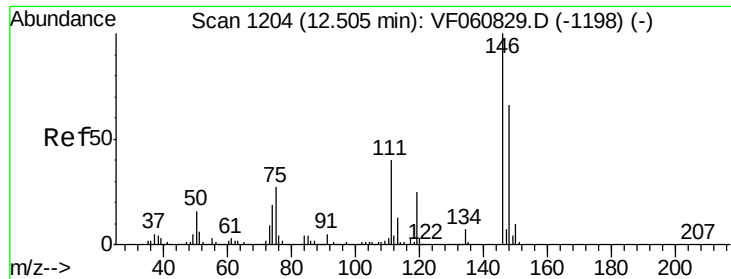
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#86
 p-Isopropyltoluene
 Concen: 82.110 ug/l
 RT: 12.48 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VF060831.D
 Acq: 26 Nov 2018 19:28

Tgt Ion:119 Resp: 1000527
 Ion Ratio Lower Upper
 119 100
 134 26.6 12.9 38.6
 91 26.4 11.8 35.3





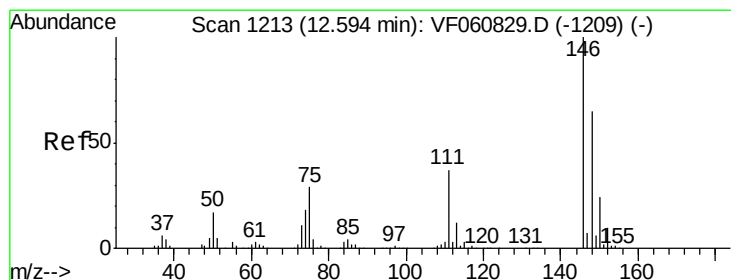
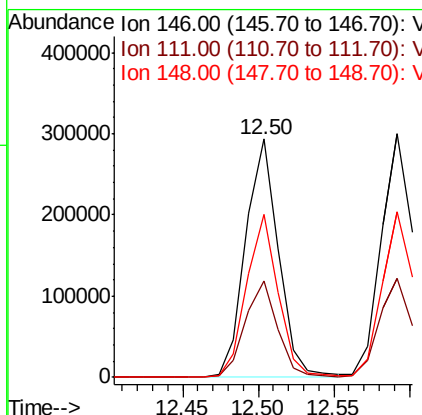
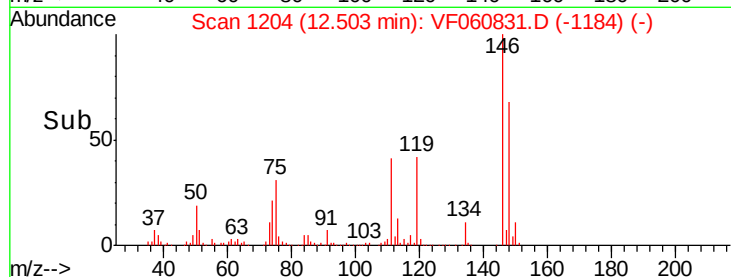
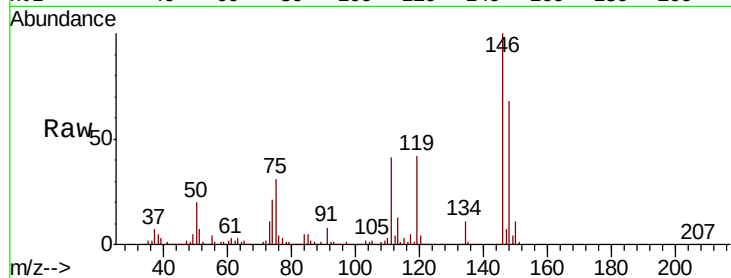
#87
 1,3-Dichlorobenzene
 Concen: 83.439 ug/l
 RT: 12.50 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: VF060831.D
 Acq: 26 Nov 2018 19:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.0	59.9
148	68.3	32.9	98.6

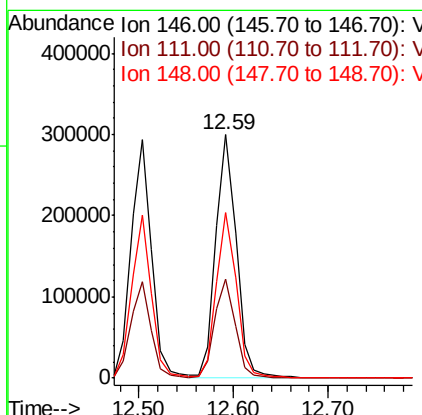
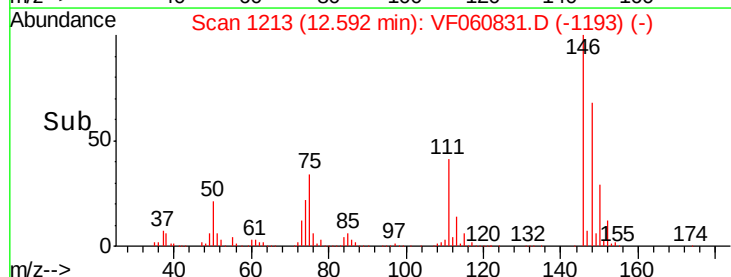
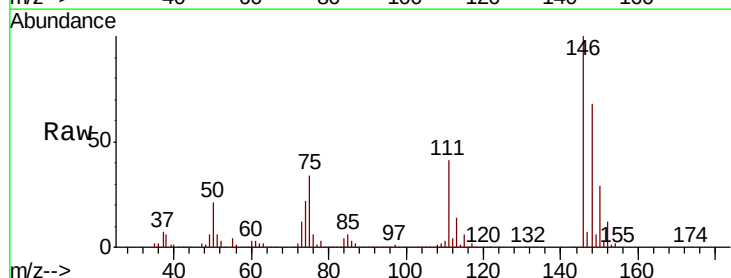
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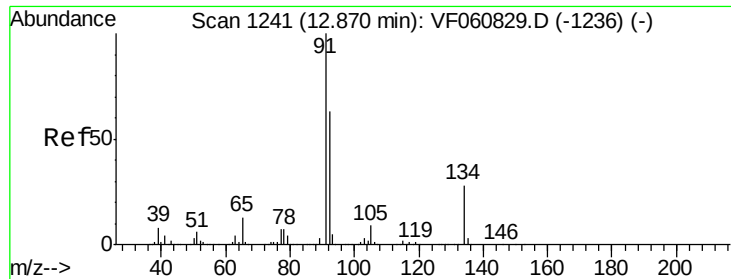
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#88
 1,4-Dichlorobenzene
 Concen: 89.576 ug/l
 RT: 12.59 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: VF060831.D
 Acq: 26 Nov 2018 19:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	18.9	56.7
148	67.8	32.3	96.9





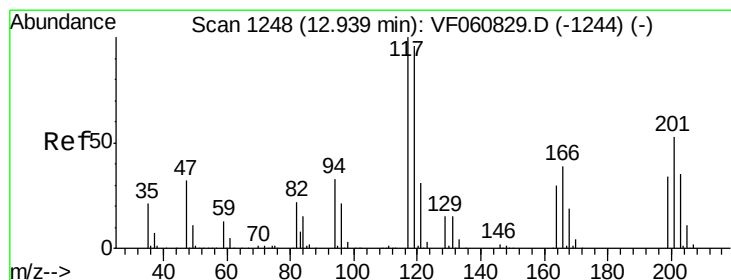
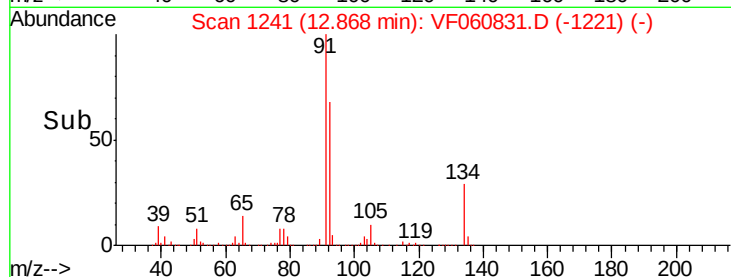
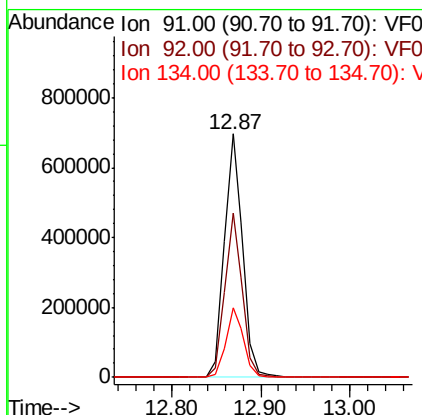
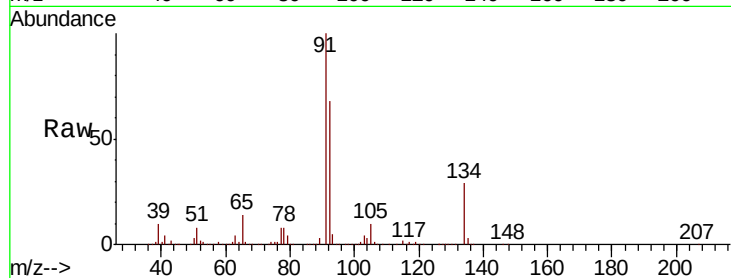
#89
n-Butylbenzene
Concen: 80.030 ug/l
RT: 12.87 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1010806
Ion Ratio Lower Upper
91 100
92 67.6 31.6 94.7
134 28.8 13.8 41.4

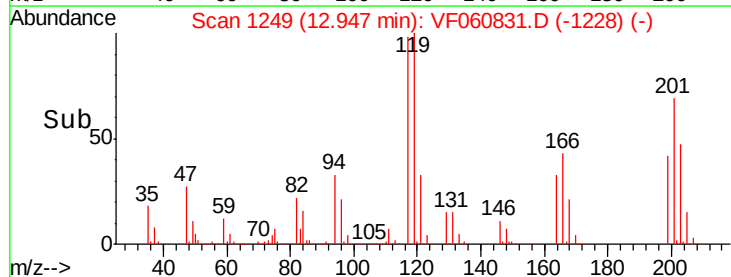
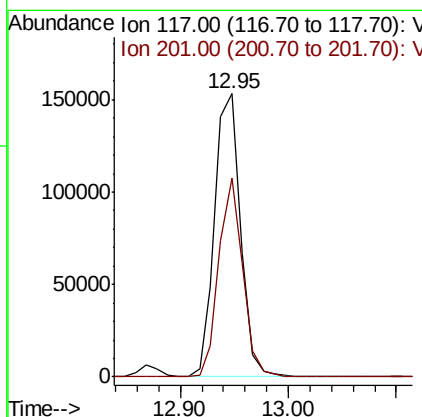
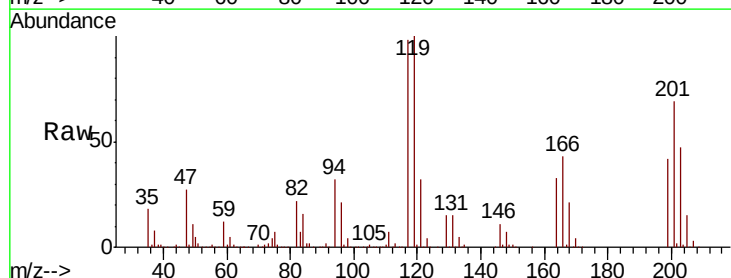
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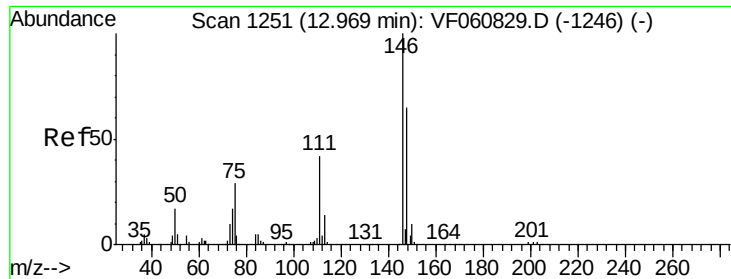
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#90
Hexachloroethane
Concen: 85.537 ug/l
RT: 12.95 min Scan# 1249
Delta R.T. 0.01 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Tgt Ion: 117 Resp: 255345
Ion Ratio Lower Upper
117 100
201 70.5 26.7 80.1





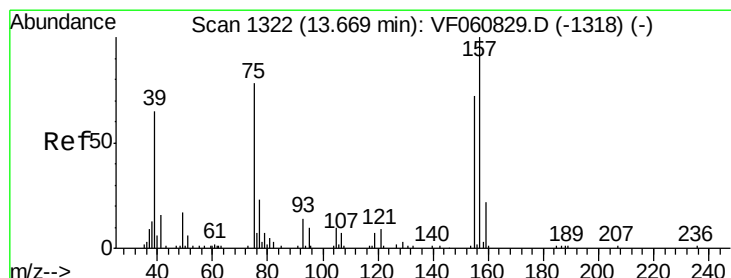
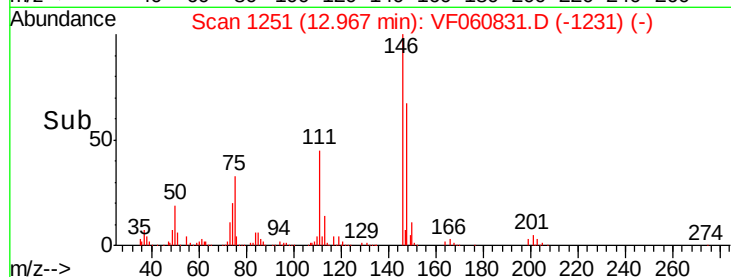
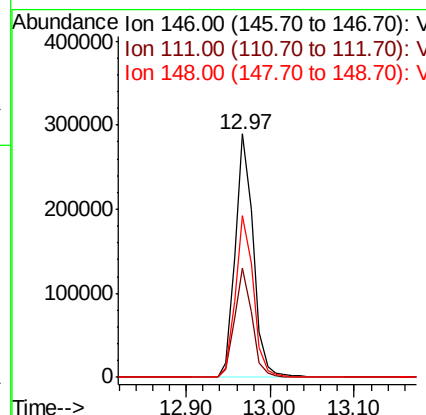
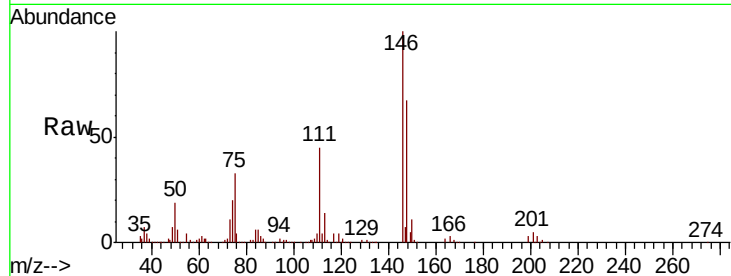
#91
 1,2-Dichlorobenzene
 Concen: 84.882 ug/l
 RT: 12.97 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VF060831.D
 Acq: 26 Nov 2018 19:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	44.7	21.2	63.6	
148	66.6	32.5	97.5	

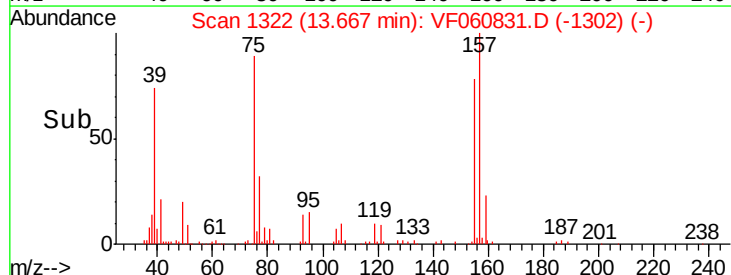
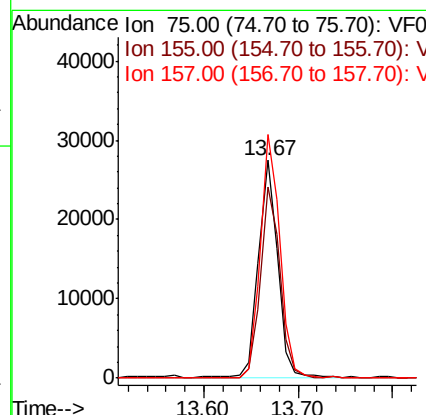
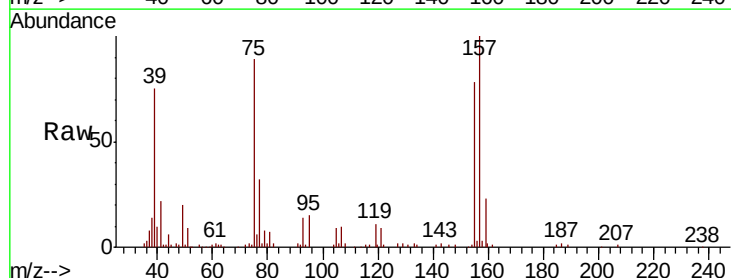
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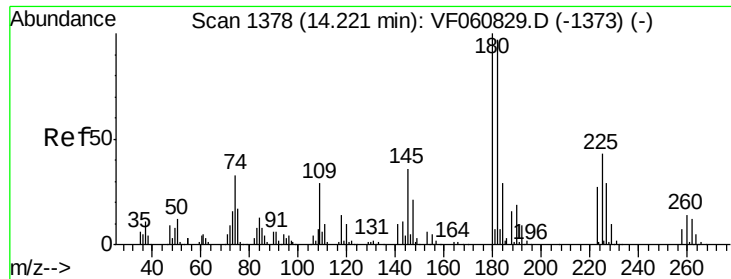
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 98.807 ug/l
 RT: 13.67 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VF060831.D
 Acq: 26 Nov 2018 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	87.5	45.6	136.9	
157	111.8	63.8	191.5	





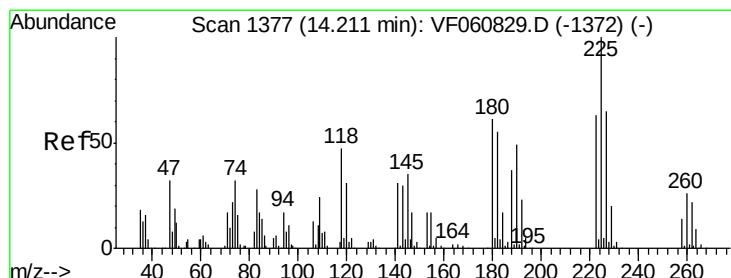
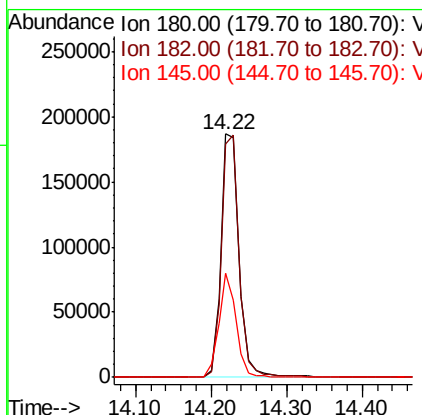
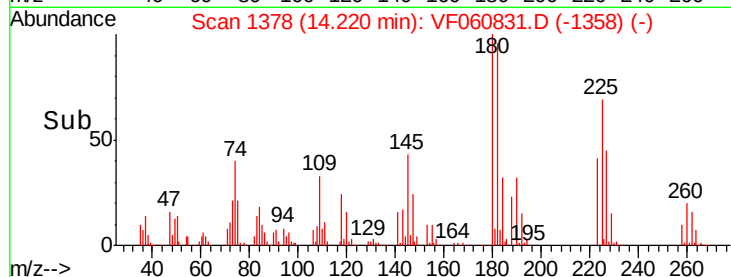
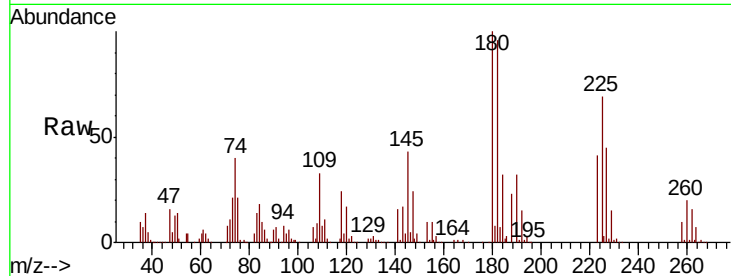
#93
 1,2,4-Trichlorobenzene
 Concen: 87.448 ug/l
 RT: 14.22 min Scan# 1378
 Delta R.T. -0.00 min
 Lab File: VF060831.D
 Acq: 26 Nov 2018 19:28

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.1	48.5	145.5	
145	43.0	18.1	54.3	

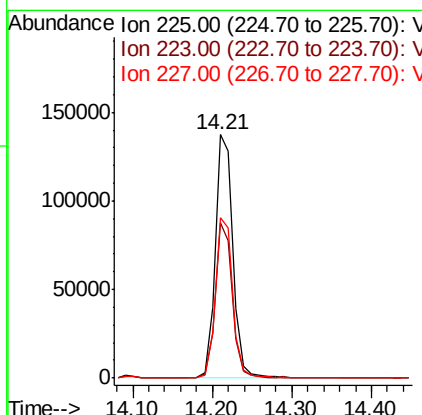
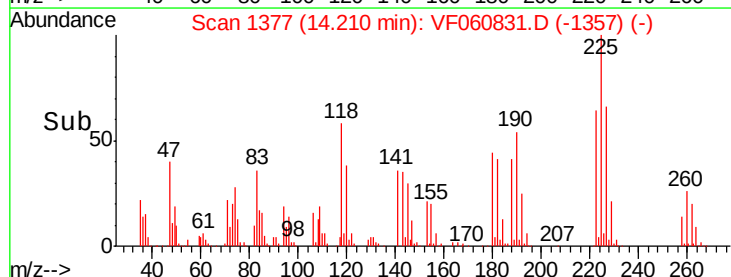
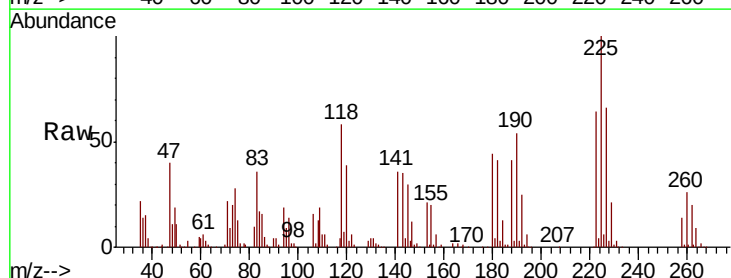
Manual Integrations
 APPROVED

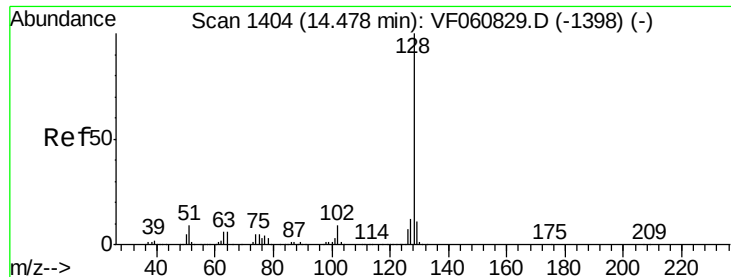
apatel
 11/27/2018 3:17:06 PM



#94
 Hexachlorobutadiene
 Concen: 91.759 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VF060831.D
 Acq: 26 Nov 2018 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.6	31.4	94.3	
227	66.1	32.5	97.5	





#95

Naphthalene

Concen: 99.642 ug/l

RT: 14.48 min Scan# 1404

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

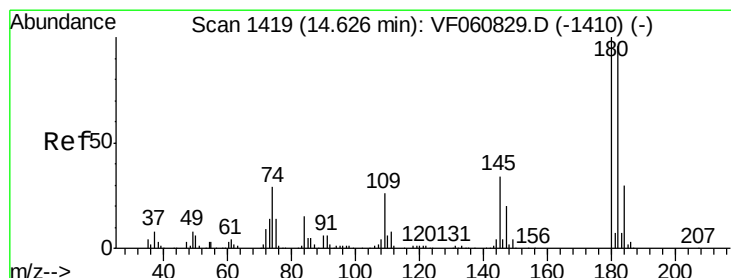
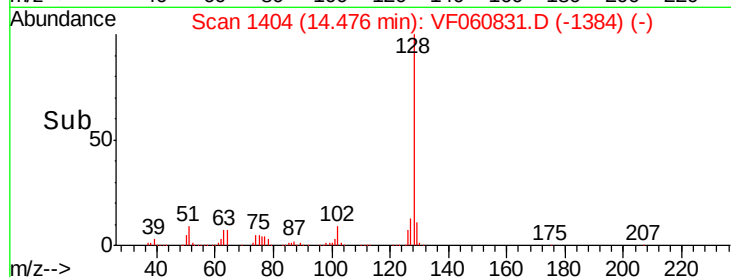
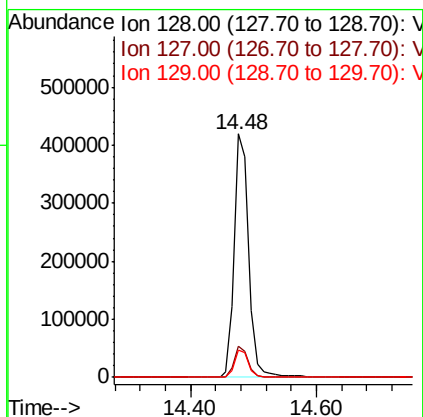
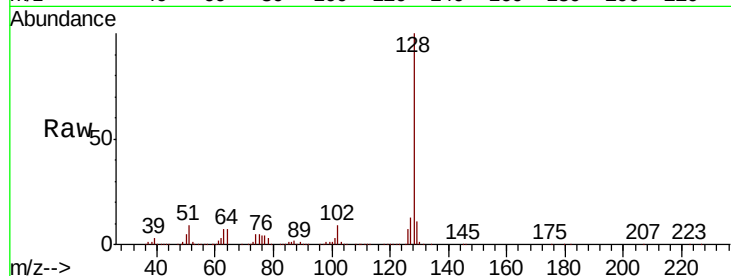
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	654366
Ion Ratio	Lower	Upper	
128	100		
127	12.7	9.9	14.9
129	11.2	9.1	13.7

Manual Integrations
APPROVED

apatel
11/27/2018 3:17:06 PM



#96

1,2,3-Trichlorobenzene

Concen: 95.328 ug/l

RT: 14.62 min Scan# 1419

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Tgt Ion:	180	Resp:	313556
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.9	143.8
145	36.0	17.2	51.5

