

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112618\
 Data File : VF060832.D
 Acq On : 26 Nov 2018 19:57
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

apatel
 11/27/2018 3:17:12 PM

Quant Time: Nov 27 01:12:23 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	182629	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.64	114	331413	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.81	117	302857	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.58	152	151307	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.89	65	337550	159.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	319.12%	
35) Dibromofluoromethane	4.16	113	337635	131.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	263.66%	
50) Toluene-d8	7.59	98	972578	129.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	259.68%	
62) 4-Bromofluorobenzene	11.44	95	454572	131.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	262.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	384498	121.962	ug/l	98
3) Chloromethane	1.11	50	246514	127.369	ug/l	95
4) Vinyl Chloride	1.16	62	230140	130.753	ug/l	94
5) Bromomethane	1.34	94	154897	135.902	ug/l	98
6) Chloroethane	1.41	64	93049	135.086	ug/l	95
7) Trichlorofluoromethane	1.50	101	508803	131.377	ug/l	96
8) Diethyl Ether	1.64	74	65031	128.532	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.85	101	232951	125.344	ug/l	98
10) Methyl Iodide	1.93	142	389776m	131.648	ug/l	
11) Tert butyl alcohol	2.60	59	62574	670.015	ug/l	93
12) 1,1-Dichloroethene	1.81	96	197969	133.793	ug/l	97
13) Acrolein	2.02	56	60920	689.887	ug/l	97
14) Allyl chloride	2.12	41	242278	94.063	ug/l	99
15) Acrylonitrile	2.97	53	140498	704.207	ug/l	96
16) Acetone	2.26	43	265839	622.709	ug/l	97
17) Carbon Disulfide	1.85	76	533115m	122.755	ug/l	
18) Methyl Acetate	2.37	43	98413	138.014	ug/l	98
19) Methyl tert-butyl Ether	2.45	73	454225	130.114	ug/l	99
20) Methylene Chloride	2.20	84	176659m	107.479	ug/l	
21) trans-1,2-Dichloroethene	2.33	96	193356m	128.311	ug/l	
22) Diisopropyl ether	2.83	45	704288	141.375	ug/l	97
23) Vinyl Acetate	3.22	43	1664222	717.695	ug/l	97
24) 1,1-Dichloroethane	2.90	63	420406	138.038	ug/l	98
25) 2-Butanone	4.37	43	479181	665.430	ug/l	98
26) 2,2-Dichloropropane	3.63	77	240574	103.853	ug/l	100
27) cis-1,2-Dichloroethene	3.51	96	326240	127.418	ug/l	98
28) Bromochloromethane	3.75	49	194044	126.230	ug/l	94
29) Tetrahydrofuran	4.11	42	192047	645.448	ug/l	98
30) Chloroform	3.90	83	601158	126.161	ug/l	97
31) Cyclohexane	3.72	56	400675m	112.275	ug/l	
32) 1,1,1-Trichloroethane	4.14	97	428785m	114.629	ug/l	
36) 1,1-Dichloropropene	4.33	75	452715	118.386	ug/l	97
37) Ethyl Acetate	4.15	43	179252	124.221	ug/l #	91
38) Carbon Tetrachloride	4.03	117	365584	98.297	ug/l	94

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

39) Methylcyclohexane	5.49	83	477600m	109.560	ug/l	
40) Benzene	4.67	78	976364	114.831	ug/l	99
41) Methacrylonitrile	4.79	41	104780	121.259	ug/l	95
42) 1,2-Dichloroethane	4.99	62	388334	129.520	ug/l	96
43) Isopropyl Acetate	6.99	43	261513	135.839	ug/l #	96
44) Trichloroethene	5.54	130	302943	111.591	ug/l	93
45) 1,2-Dichloropropane	6.27	63	277133	123.055	ug/l	99
46) Dibromomethane	6.13	93	193940	131.416	ug/l	97
47) Bromodichloromethane	6.43	83	490653	130.408	ug/l	96
48) Methyl methacrylate	6.75	41	178809	138.820	ug/l	95
49) 1,4-Dioxane	6.74	88	25865	2200.389	ug/l	88
51) 4-Methyl-2-Pentanone	8.29	43	832769	604.400	ug/l	99
52) Toluene	7.66	92	646322	113.238	ug/l	99
53) t-1,3-Dichloropropene	8.32	75	386692	126.762	ug/l	98
54) cis-1,3-Dichloropropene	7.34	75	494313	123.946	ug/l	99
55) 1,1,2-Trichloroethane	8.53	97	207526	126.078	ug/l	99
56) Ethyl methacrylate	8.66	69	244380	129.308	ug/l	98
57) 1,3-Dichloropropane	8.89	76	386726	133.240	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.33	63	138835	808.362	ug/l	98
59) 2-Hexanone	9.53	43	567020	582.532	ug/l	100
60) Dibromochloromethane	8.75	129	331915	139.460	ug/l	98
61) 1,2-Dibromoethane	9.02	107	230928	132.936	ug/l	99
64) Tetrachloroethene	8.19	164	289459	124.439	ug/l	96
65) Chlorobenzene	9.84	112	760263	125.111	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.97	131	322011	123.752	ug/l	98
67) Ethyl Benzene	9.94	91	1282744	112.709	ug/l	94
68) m/p-Xylenes	10.17	106	957783	236.319	ug/l	88
69) o-Xylene	10.75	106	539202	118.782	ug/l	100
70) Styrene	10.83	104	719307	116.059	ug/l	98
71) Bromoform	10.81	173	171421	144.995	ug/l	98
73) Isopropylbenzene	11.15	105	1426877	117.680	ug/l	95
74) N-amyl acetate	11.40	43	353889	126.484	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.72	83	268349	134.310	ug/l	98
76) 1,2,3-Trichloropropane	11.82	75	193258	128.725	ug/l	96
77) Bromobenzene	11.53	156	341157	132.768	ug/l	90
78) n-propylbenzene	11.62	91	1645108	114.829	ug/l	92
79) 2-Chlorotoluene	11.75	91	997169	121.107	ug/l	94
80) 1,3,5-Trimethylbenzene	11.85	105	1159385	119.901	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.90	75	98839m	135.769	ug/l	
82) 4-Chlorotoluene	11.93	91	1031112	121.874	ug/l	91
83) tert-Butylbenzene	12.16	119	1195142	118.166	ug/l	93
84) 1,2,4-Trimethylbenzene	12.24	105	1154776	115.253	ug/l	93
85) sec-Butylbenzene	12.34	105	1557949	112.625	ug/l	93
86) p-Isopropyltoluene	12.48	119	1267815	110.404	ug/l	94
87) 1,3-Dichlorobenzene	12.50	146	566221	112.299	ug/l	96
88) 1,4-Dichlorobenzene	12.59	146	622507	128.869	ug/l	95
89) n-Butylbenzene	12.87	91	1256504	105.563	ug/l	94
90) Hexachloroethane	12.95	117	368697	131.057	ug/l	77
91) 1,2-Dichlorobenzene	12.97	146	595456	124.571	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.67	75	56138	149.603	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	413220	122.128	ug/l	98
94) Hexachlorobutadiene	14.22	225	282509	128.699	ug/l	97
95) Naphthalene	14.49	128	893626	144.391	ug/l	100
96) 1,2,3-Trichlorobenzene	14.62	180	426107	137.463	ug/l	96

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

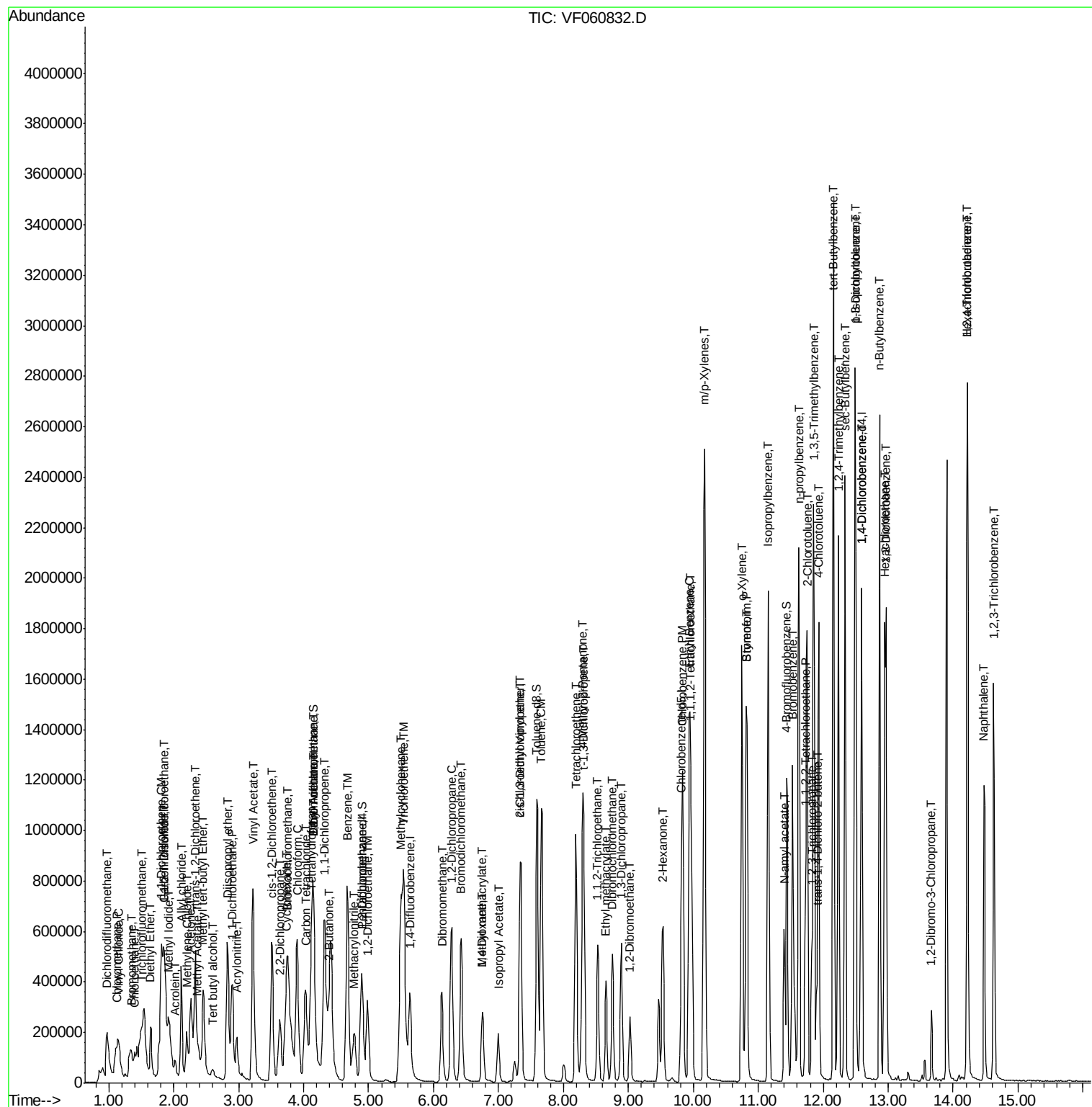
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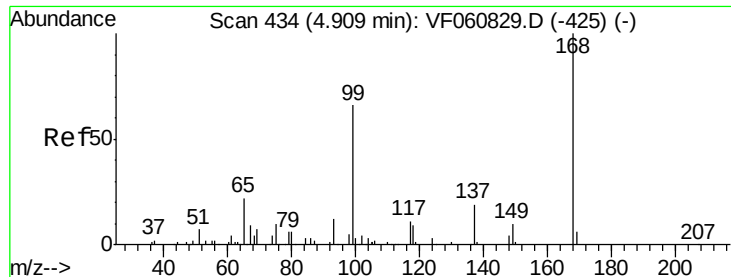
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

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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: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 182629

Ion Ratio Lower Upper

168 100

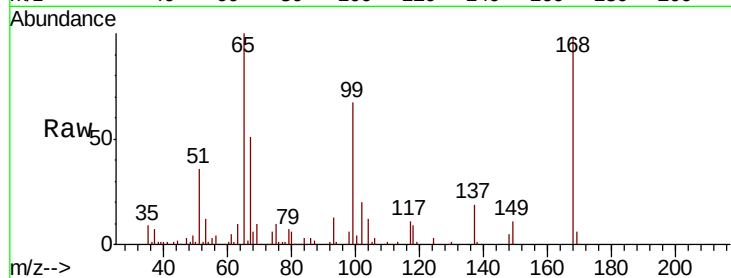
99 68.5 52.6 79.0

Manual Integrations

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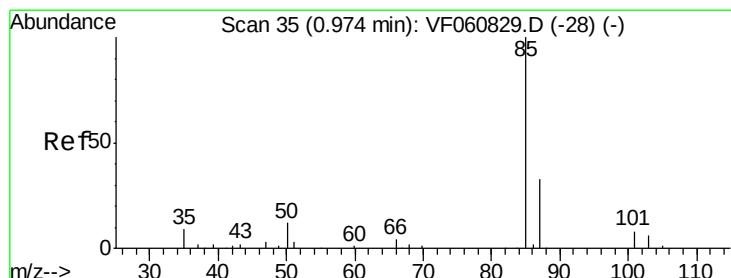
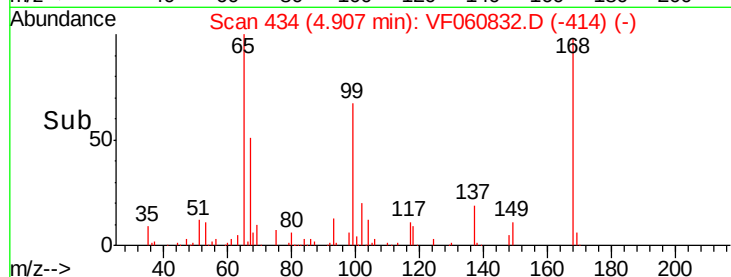
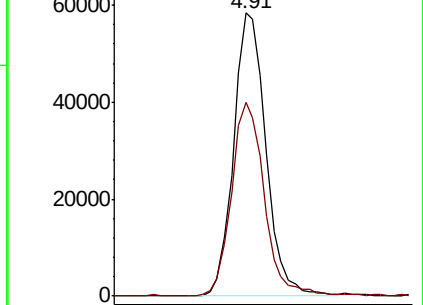
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 121.962 ug/l

RT: 0.97 min Scan# 35

Delta R.T. -0.00 min

Lab File: VF060832.D

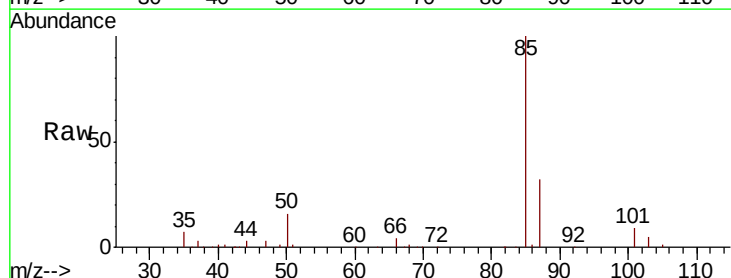
Acq: 26 Nov 2018 19:57

Tgt Ion: 85 Resp: 384498

Ion Ratio Lower Upper

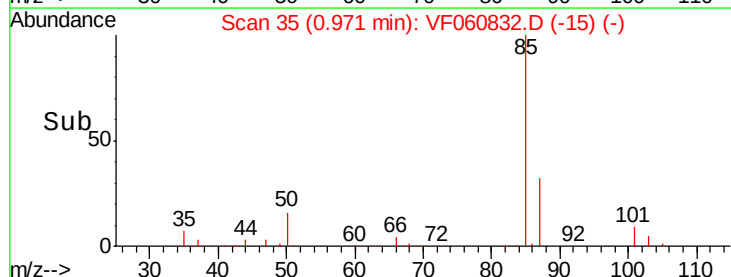
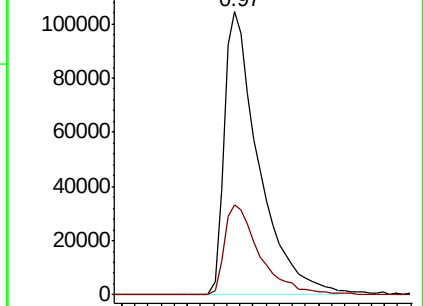
85 100

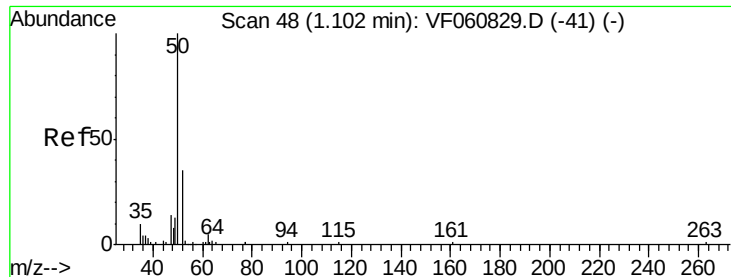
87 31.9 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 127.369 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 246514

Ion Ratio Lower Upper

50 100

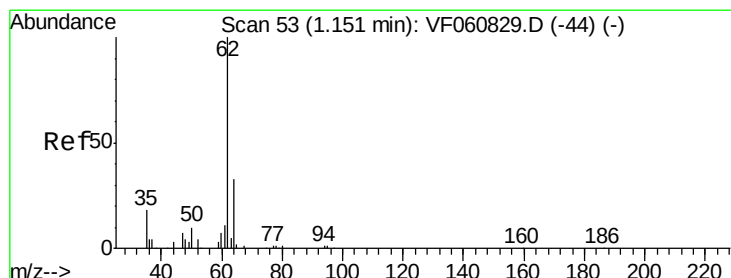
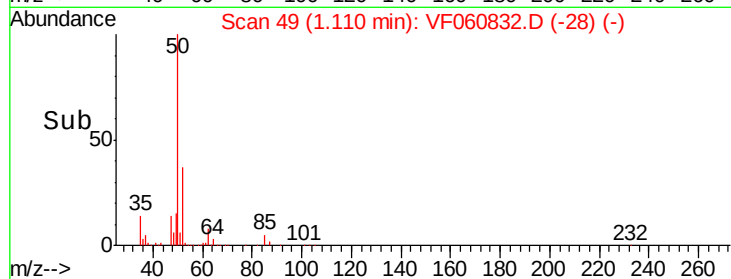
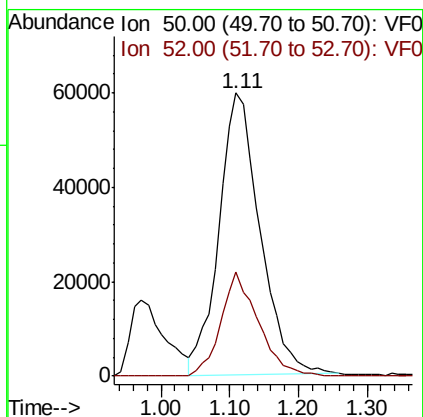
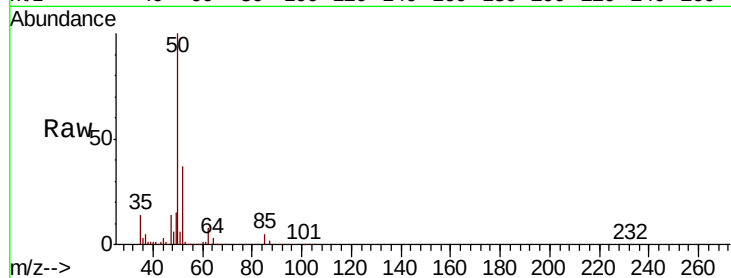
52 36.8 27.0 40.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 130.753 ug/l

RT: 1.16 min Scan# 54

Delta R.T. 0.01 min

Lab File: VF060832.D

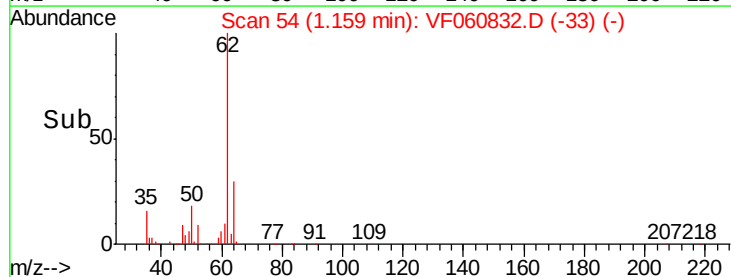
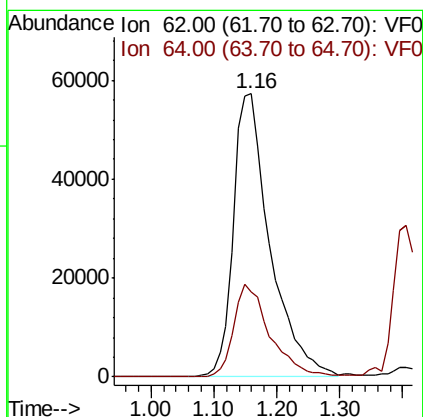
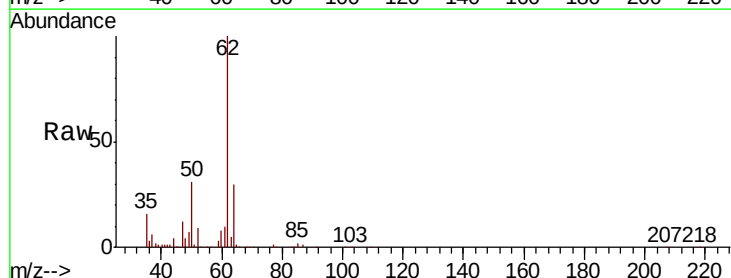
Acq: 26 Nov 2018 19:57

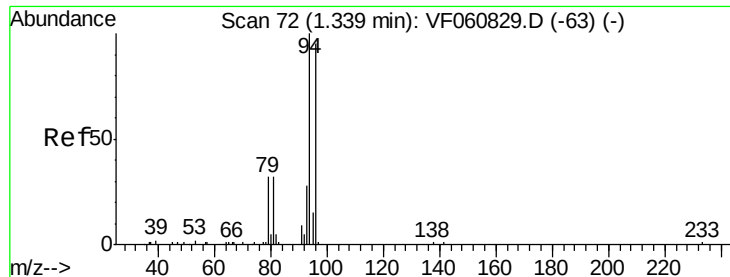
Tgt Ion: 62 Resp: 230140

Ion Ratio Lower Upper

62 100

64 29.9 26.4 39.6





#5

Bromomethane

Concen: 135.902 ug/l

RT: 1.34 min Scan# 72

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

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Tot Ion: 94 Resp: 154897

Ion Ratio Lower Upper

94 100

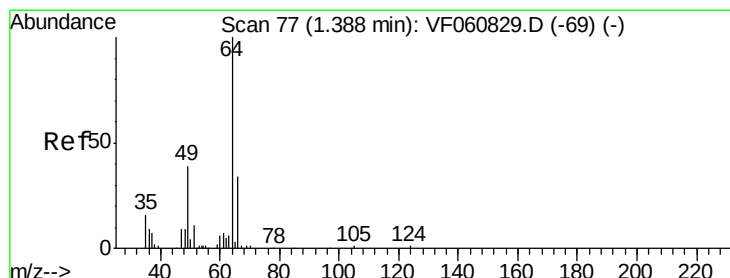
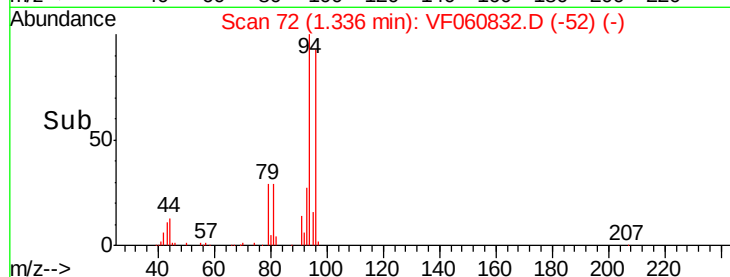
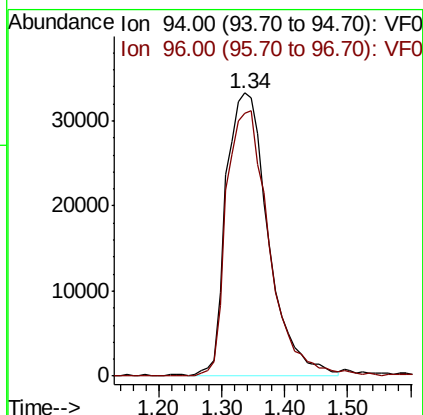
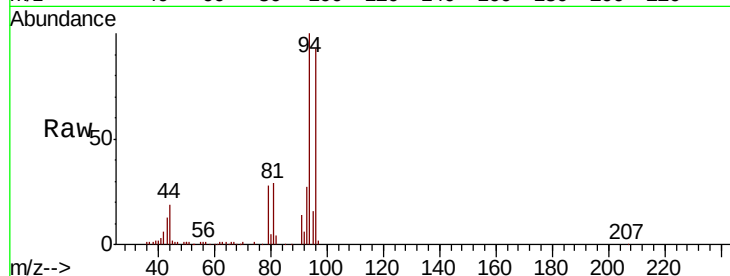
96 92.7 75.9 113.9

Manual Integrations

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#6

Chloroethane

Concen: 135.086 ug/l

RT: 1.41 min Scan# 79

Delta R.T. 0.02 min

Lab File: VF060832.D

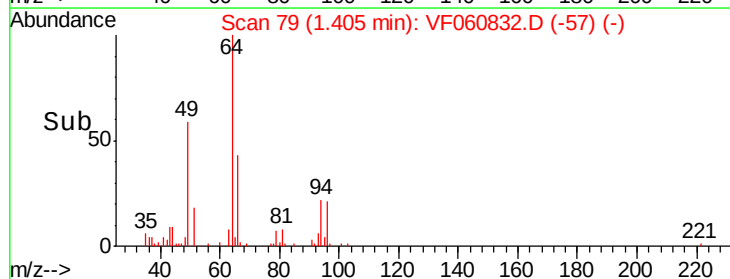
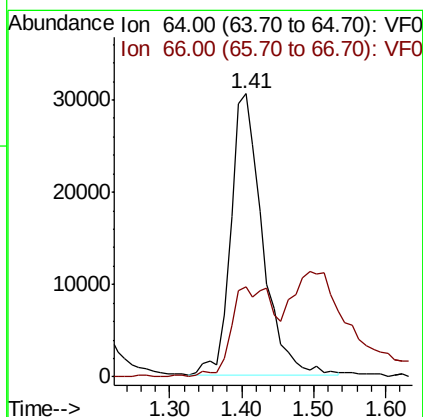
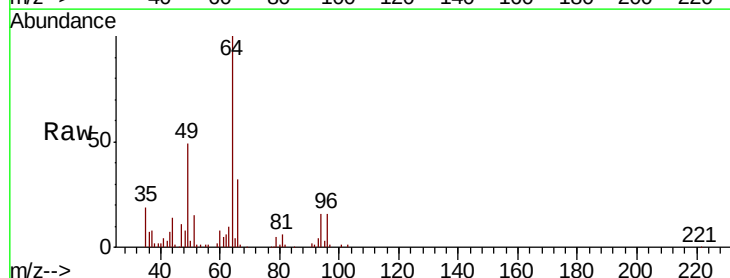
Acq: 26 Nov 2018 19:57

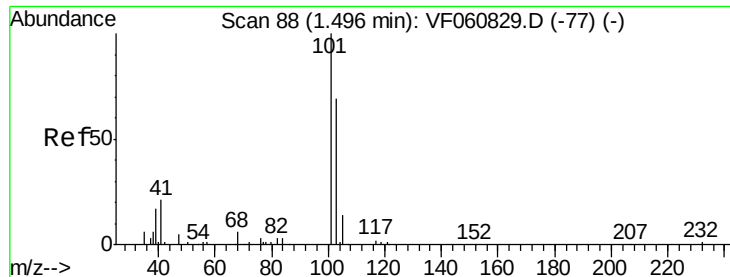
Tgt Ion: 64 Resp: 93049

Ion Ratio Lower Upper

64 100

66 32.0 28.1 42.1





#7

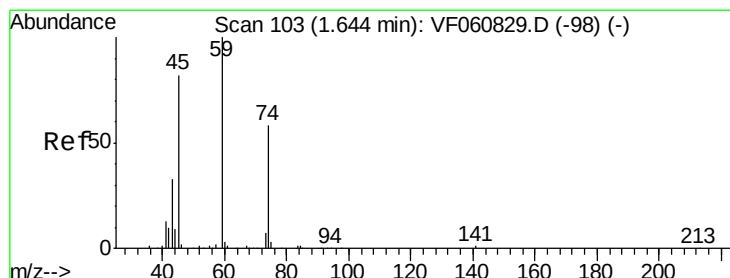
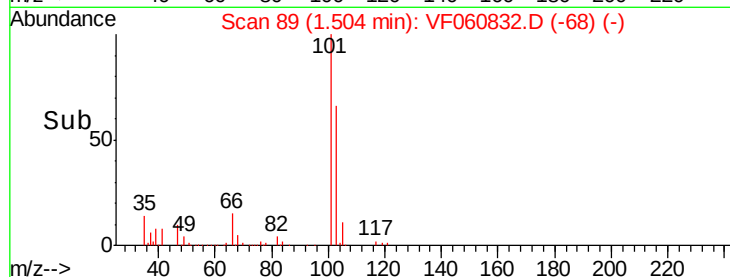
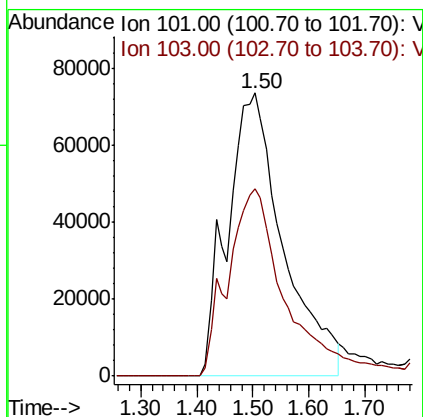
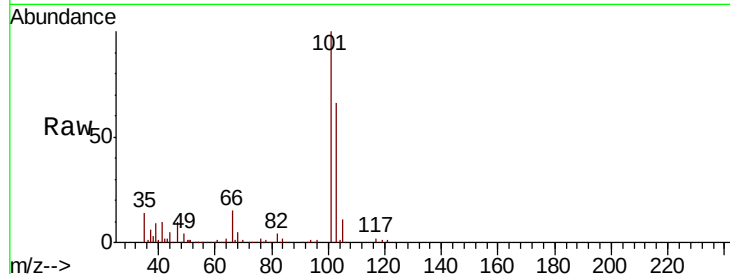
Trichlorofluoromethane
Concen: 131.377 ug/l
RT: 1.50 min Scan# 89
Delta R.T. 0.01 min
Lab File: VF060832.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	55.4	83.0

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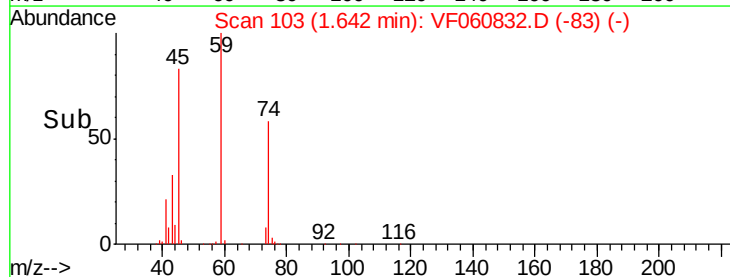
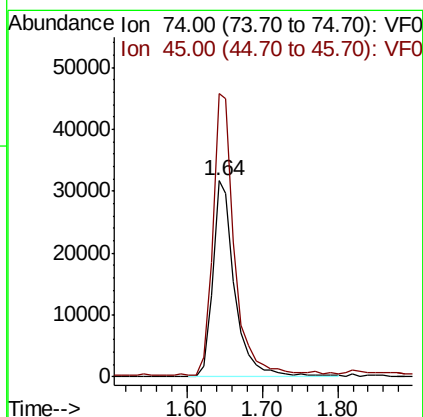
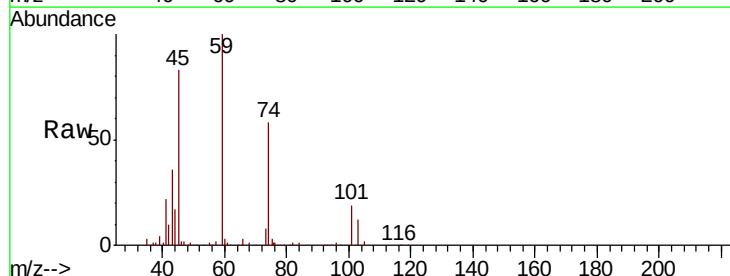
apatel
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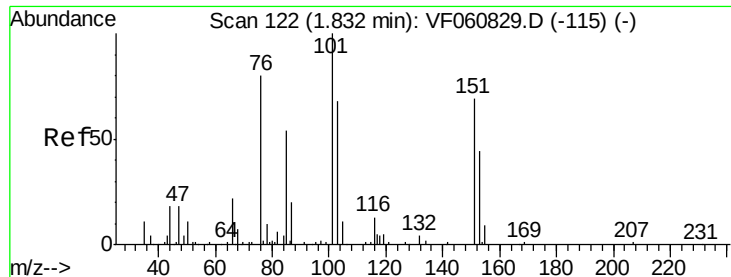


#8

Diethyl Ether
Concen: 128.532 ug/l
RT: 1.64 min Scan# 103
Delta R.T. -0.00 min
Lab File: VF060832.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	144.3	71.0	212.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 125.344 ug/l

RT: 1.85 min Scan# 124

Delta R.T. 0.02 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

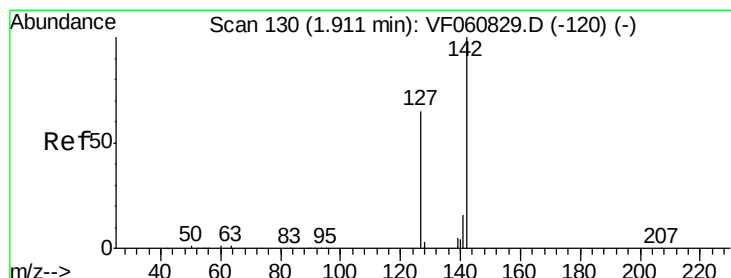
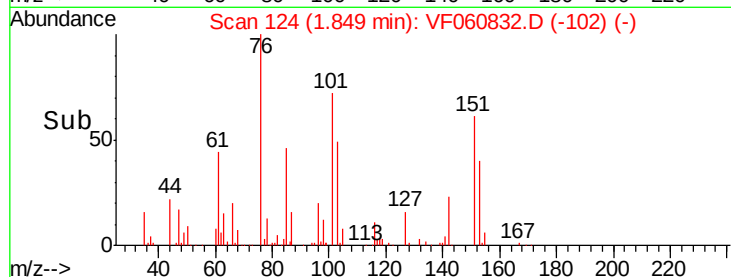
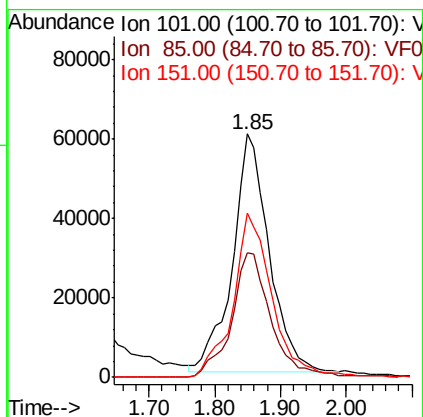
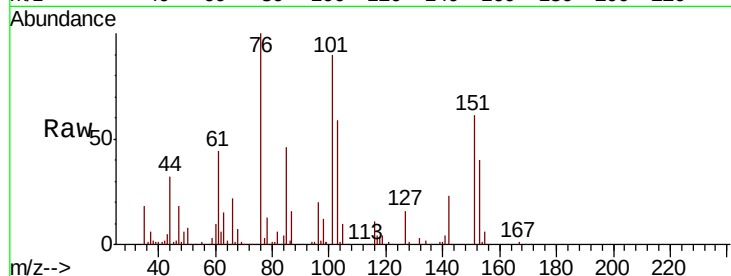
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	232951
Ion Ratio	Lower	Upper	
101	100		
85	51.2	42.8	64.2
151	67.4	54.4	81.6

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#10

Methyl Iodide

Concen: 131.648 ug/l m

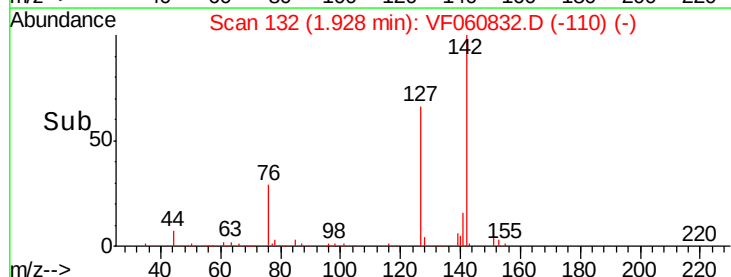
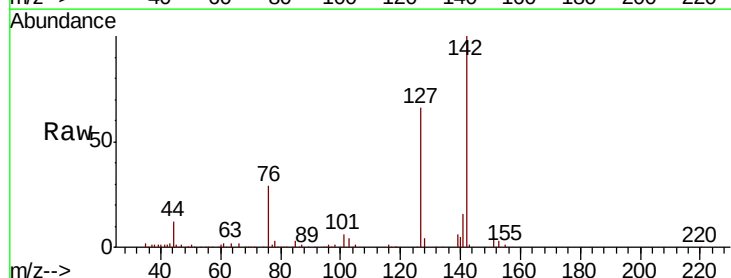
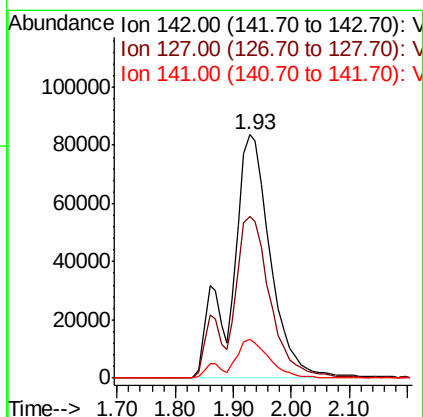
RT: 1.93 min Scan# 132

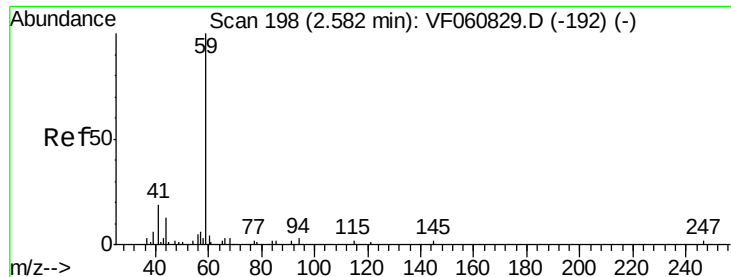
Delta R.T. 0.02 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Tgt Ion:	142	Resp:	389776
Ion Ratio	Lower	Upper	
142	100		
127	66.5	51.9	77.9
141	15.9	12.7	19.1





#11

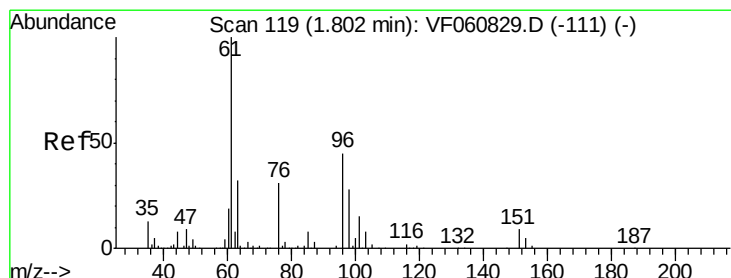
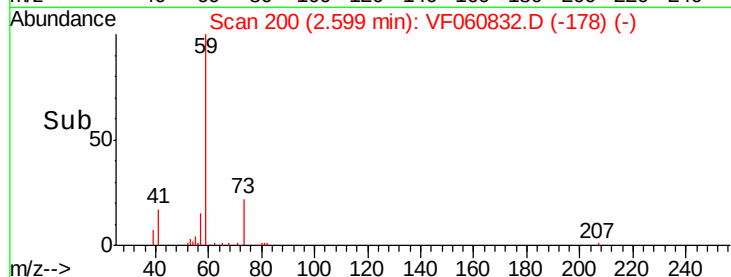
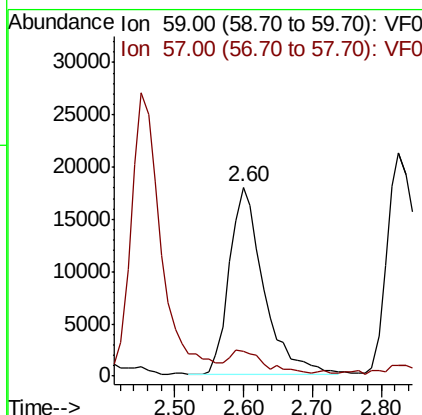
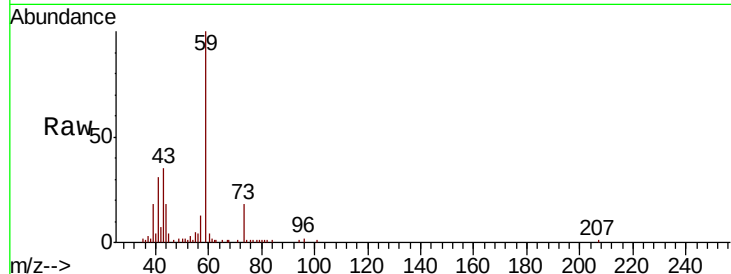
Tert butyl alcohol
 Concen: 670.015 ug/l
 RT: 2.60 min Scan# 200
 Delta R.T. 0.02 min
 Lab File: VF060832.D
 Acq: 26 Nov 2018 19:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion: 59 Resp: 62574
 Ion Ratio Lower Upper
 59 100
 57 12.9 12.7 19.1

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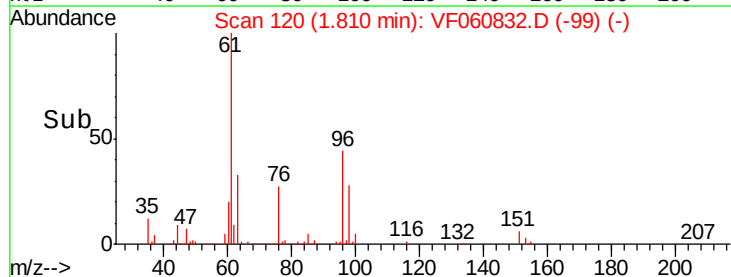
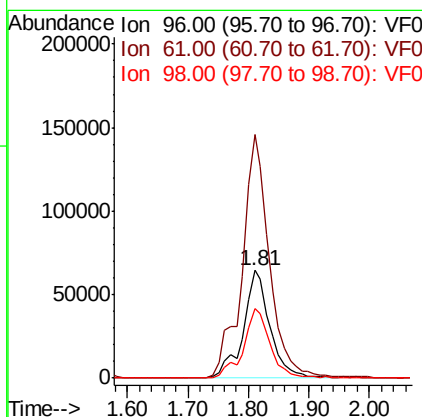
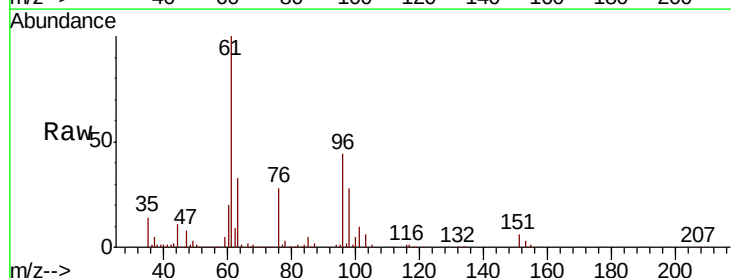
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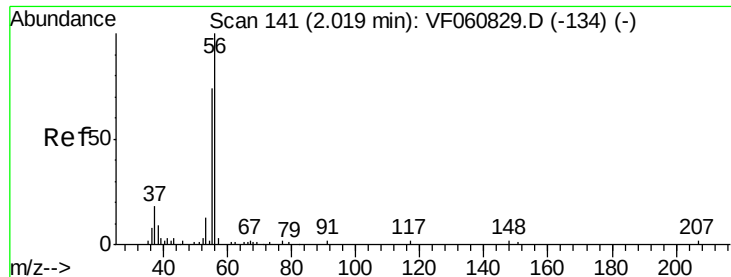


#12

1,1-Dichloroethene
 Concen: 133.793 ug/l
 RT: 1.81 min Scan# 120
 Delta R.T. 0.01 min
 Lab File: VF060832.D
 Acq: 26 Nov 2018 19:57

Tgt Ion: 96 Resp: 197969
 Ion Ratio Lower Upper
 96 100
 61 226.0 177.3 265.9
 98 64.1 49.6 74.4





#13

Acrolein

Concen: 689.887 ug/l

RT: 2.02 min Scan# 141

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDICC150

Tot Ion: 56 Resp: 60920

Ion Ratio Lower Upper

56 100

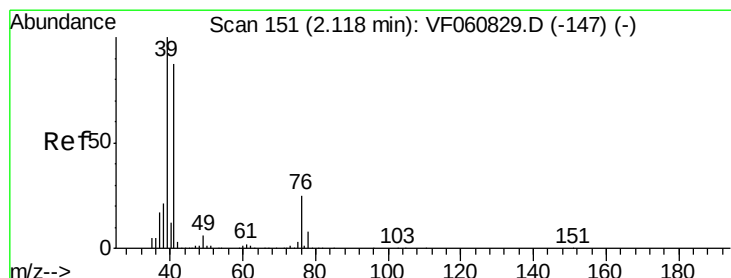
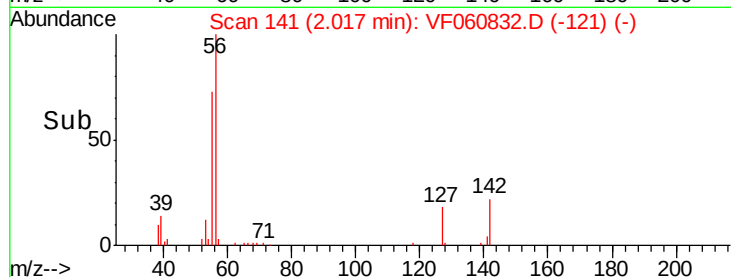
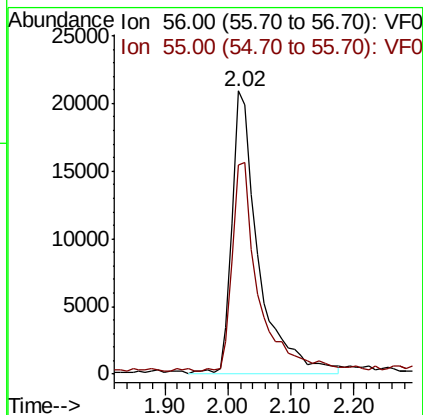
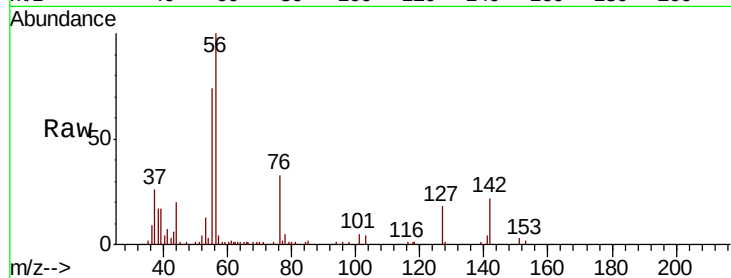
55 73.9 61.2 91.8

Manual Integrations

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#14

Allyl chloride

Concen: 94.063 ug/l

RT: 2.12 min Scan# 151

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

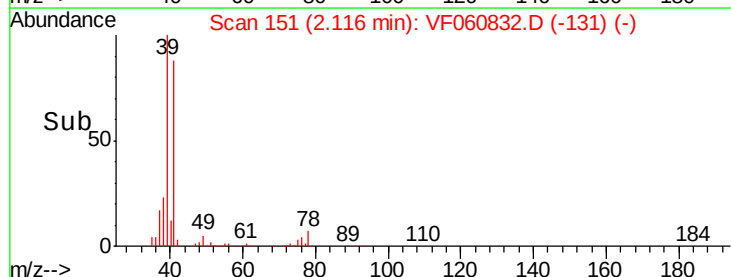
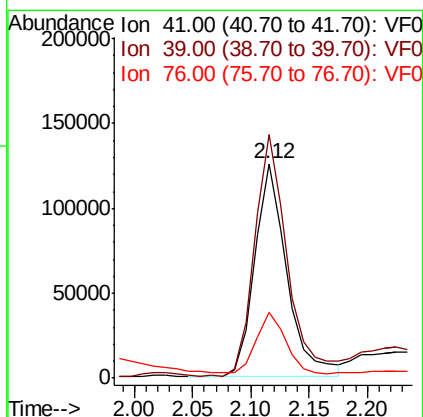
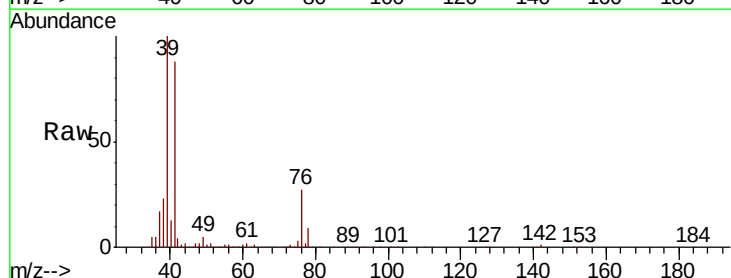
Tgt Ion: 41 Resp: 242278

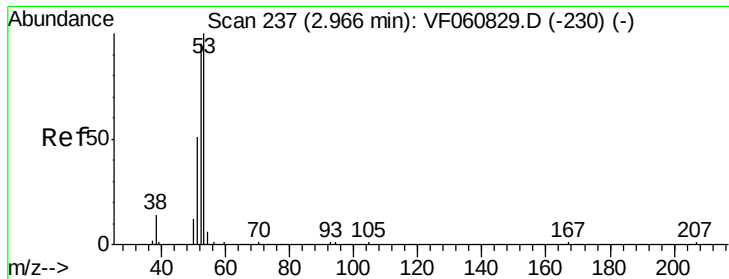
Ion Ratio Lower Upper

41 100

39 113.6 91.7 137.5

76 30.4 23.5 35.3





#15

Acrylonitrile

Concen: 704.207 ug/l

RT: 2.97 min Scan# 238

Delta R.T. 0.01 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

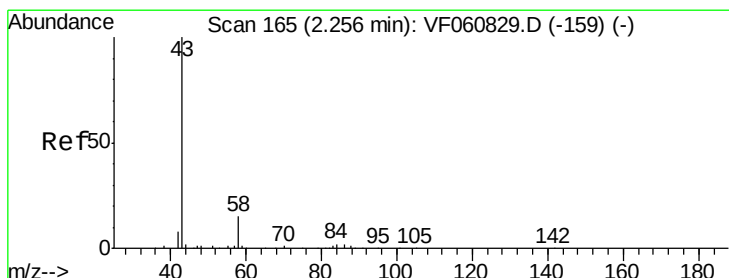
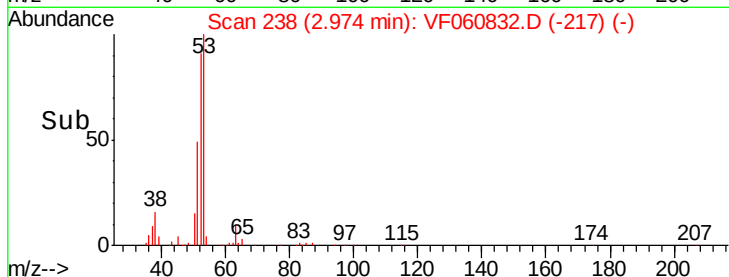
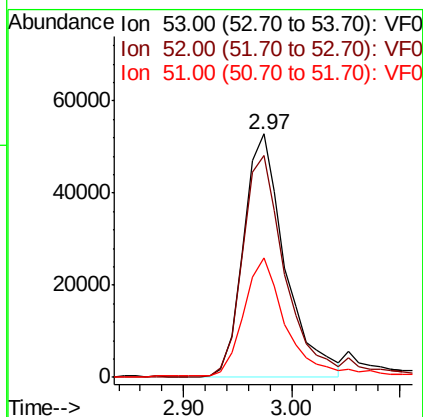
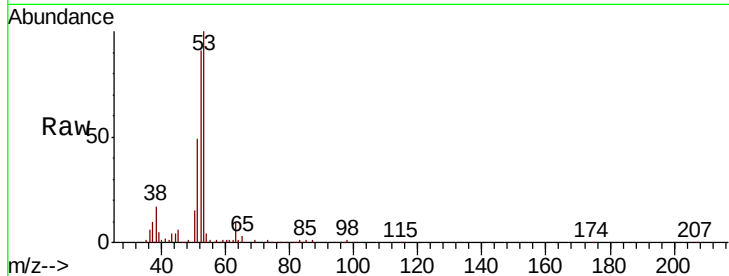
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	140498
Ion	Ratio	Lower	Upper
53	100		
52	91.0	76.5	114.7
51	49.1	40.7	61.1

Manual Integrations
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#16

Acetone

Concen: 622.709 ug/l

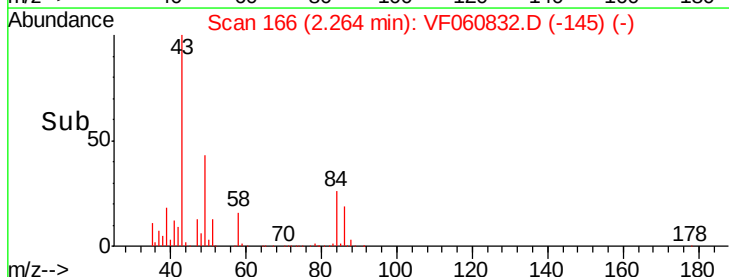
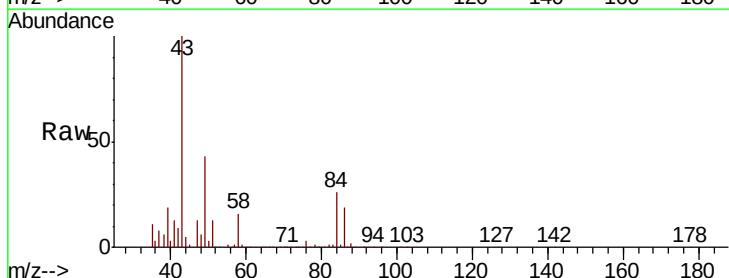
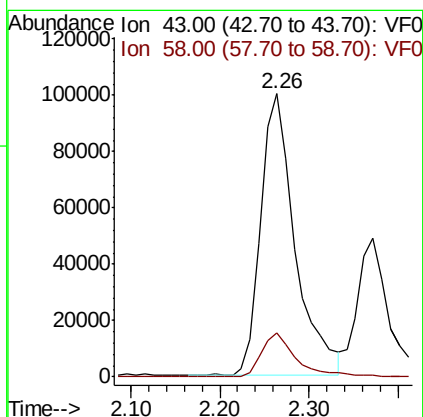
RT: 2.26 min Scan# 166

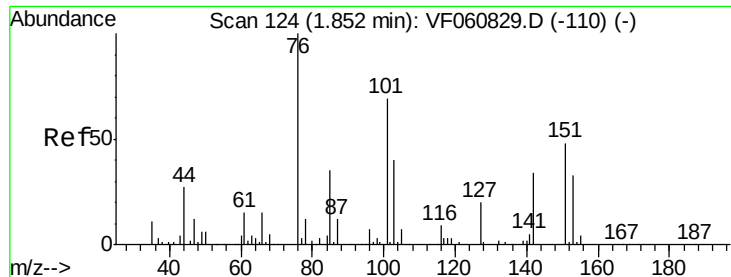
Delta R.T. 0.01 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Tgt Ion:	43	Resp:	265839
Ion	Ratio	Lower	Upper
43	100		
58	15.7	11.4	17.2





#17

Carbon Disulfide

Concen: 122.755 ug/l m

RT: 1.85 min Scan# 124

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Tot Ion: 76 Resp: 533115

Ion Ratio Lower Upper

76 100

78 13.0 10.2 15.2

Instrument :

MSVOA_F

ClientSampleId :

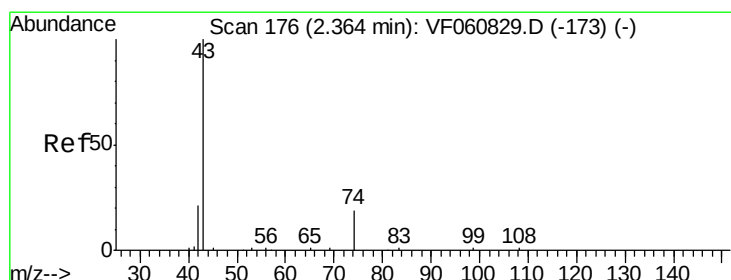
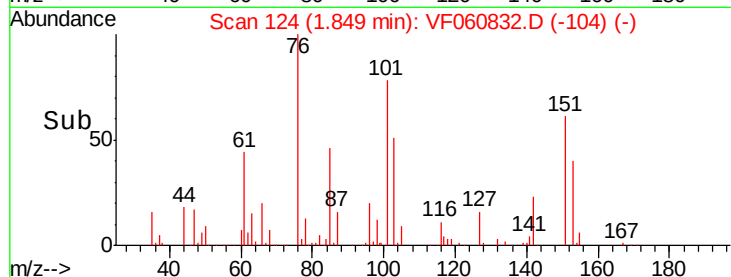
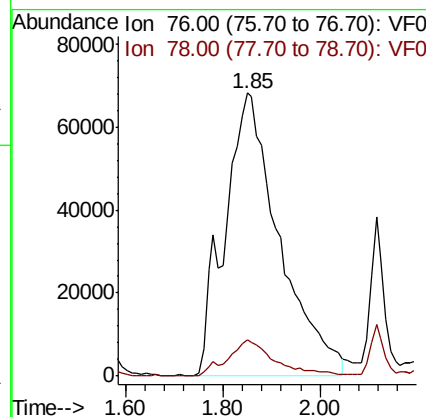
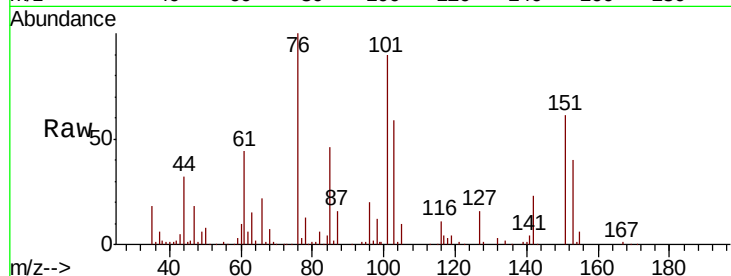
VSTDIC150

Manual Integrations

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#18

Methyl Acetate

Concen: 138.014 ug/l

RT: 2.37 min Scan# 177

Delta R.T. 0.01 min

Lab File: VF060832.D

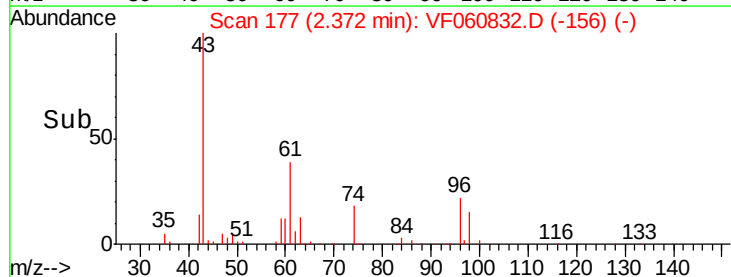
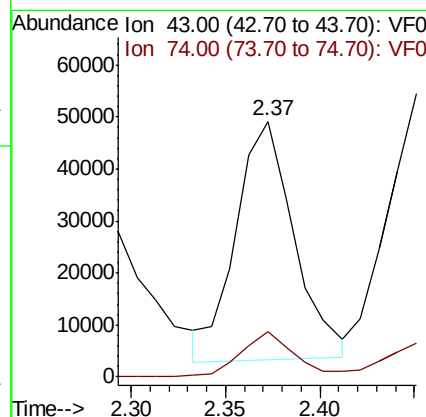
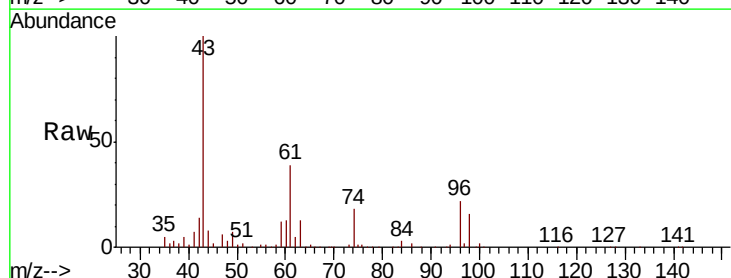
Acq: 26 Nov 2018 19:57

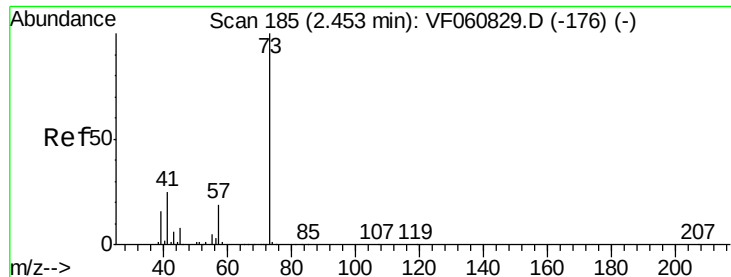
Tgt Ion: 43 Resp: 98413

Ion Ratio Lower Upper

43 100

74 17.5 13.3 19.9





#19

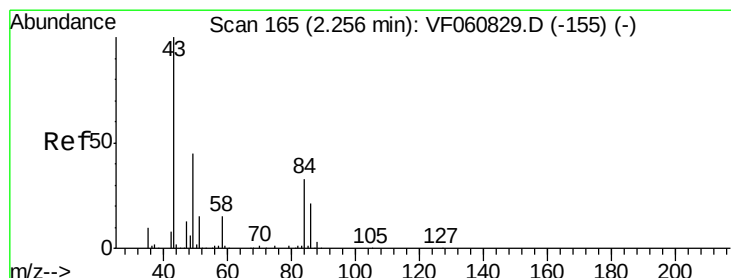
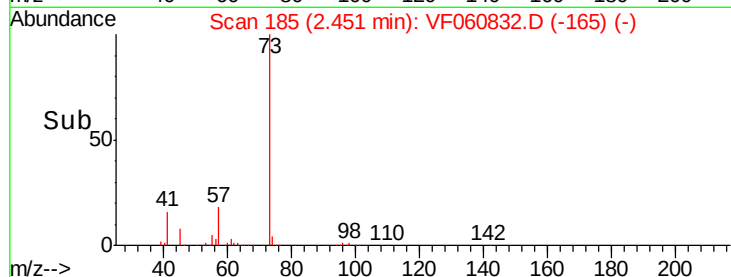
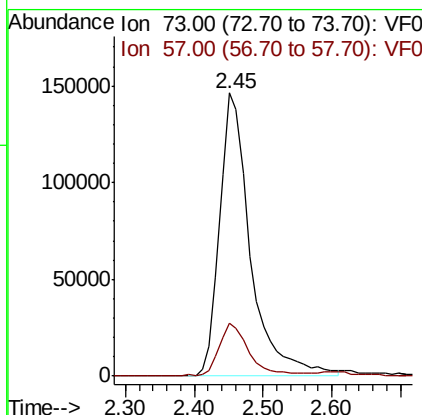
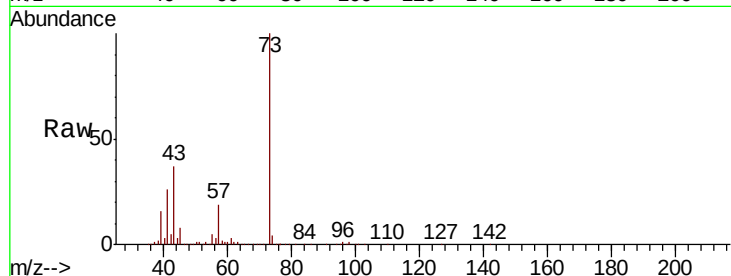
Methyl tert-butyl Ether
 Concen: 130.114 ug/l
 RT: 2.45 min Scan# 185
 Delta R.T. -0.00 min
 Lab File: VF060832.D
 Acq: 26 Nov 2018 19:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.5	15.3	22.9

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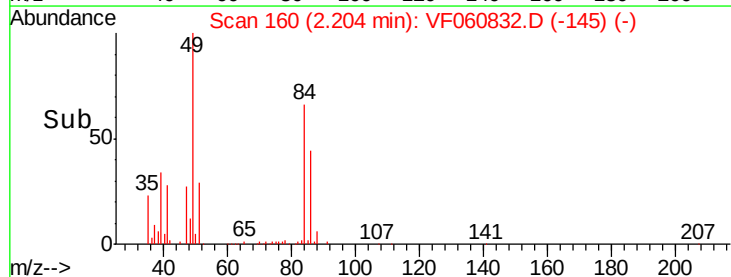
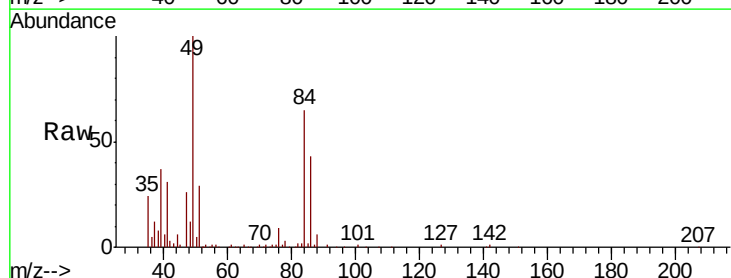
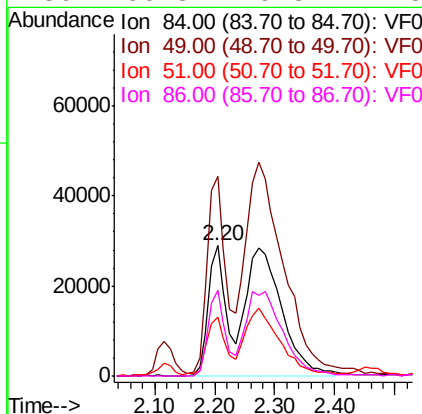
apatel
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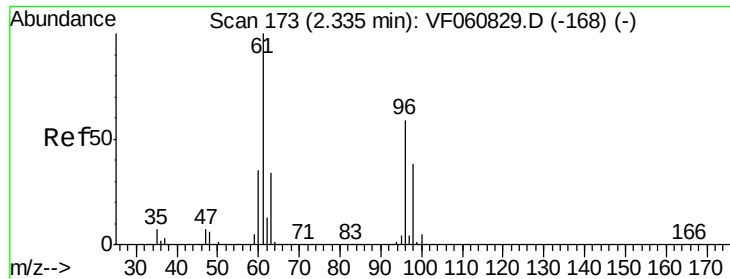


#20

Methylene Chloride
 Concen: 107.479 ug/l m
 RT: 2.20 min Scan# 160
 Delta R.T. -0.05 min
 Lab File: VF060832.D
 Acq: 26 Nov 2018 19:57

Tgt Ion	Ratio	Lower	Upper
84	100		
49	152.9	111.3	166.9
51	44.8	38.0	57.0
86	66.3	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 128.311 ug/l m

RT: 2.33 min Scan# 173

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

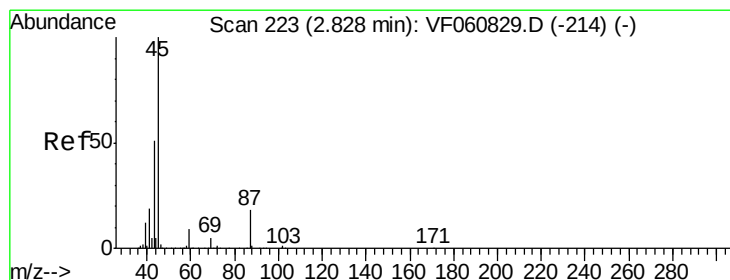
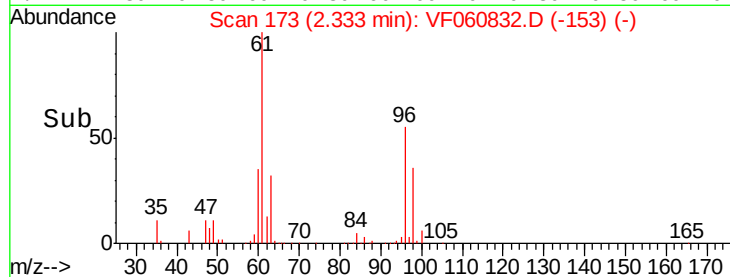
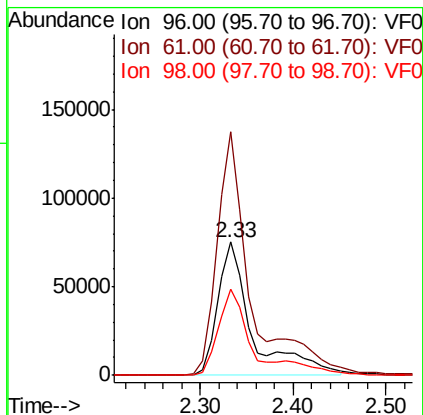
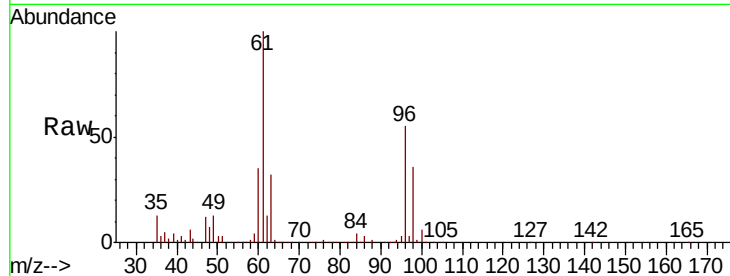
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	193356
Ion	Ratio	Lower	Upper
96	100		
61	182.8	134.5	201.7
98	65.0	51.6	77.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 141.375 ug/l

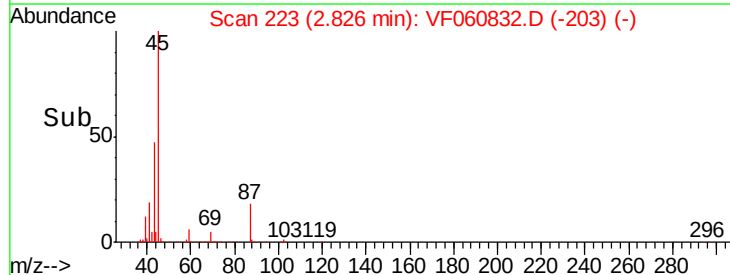
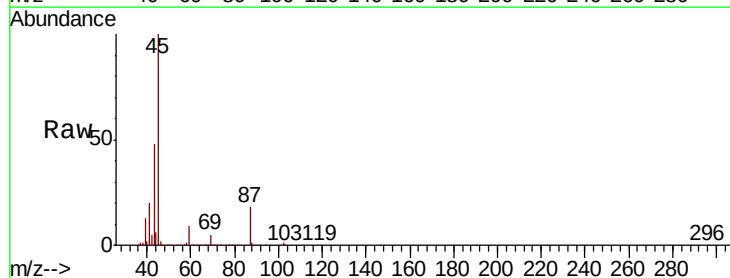
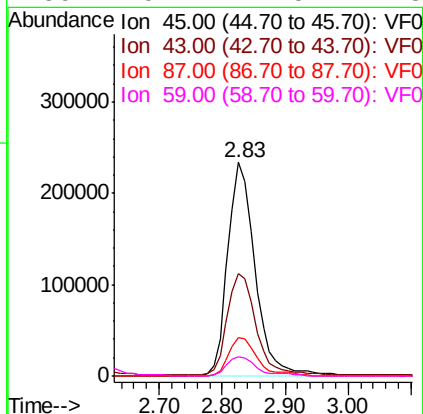
RT: 2.83 min Scan# 223

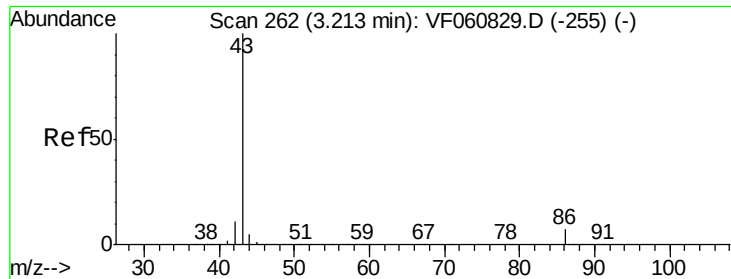
Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Tgt Ion:	45	Resp:	704288
Ion	Ratio	Lower	Upper
45	100		
43	48.2	41.0	61.6
87	18.1	14.6	22.0
59	9.1	7.5	11.3





#23

Vinyl Acetate

Concen: 717.695 ug/l

RT: 3.22 min Scan# 263

Delta R.T. 0.01 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1664222

Ion Ratio Lower Upper

43 100

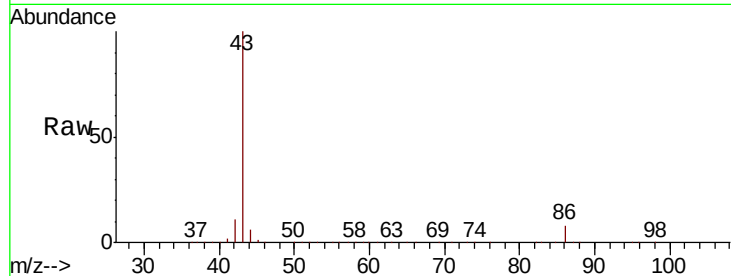
86 7.7 5.4 8.0

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.22

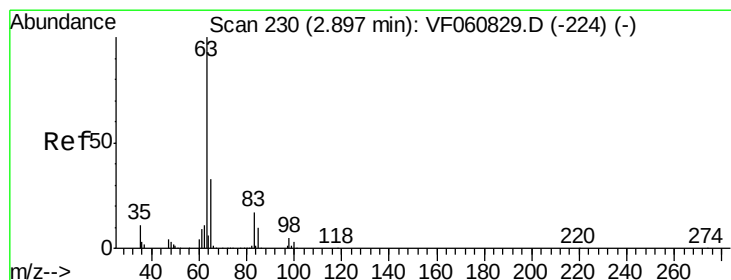
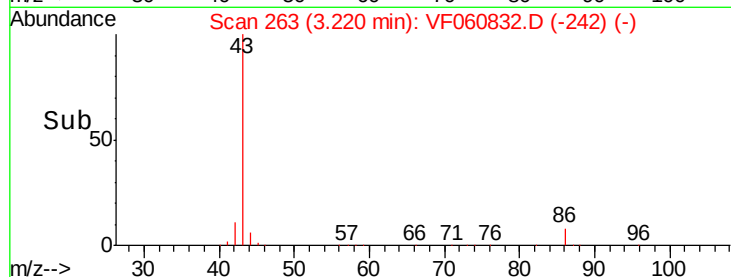
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 138.038 ug/l

RT: 2.90 min Scan# 231

Delta R.T. 0.01 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

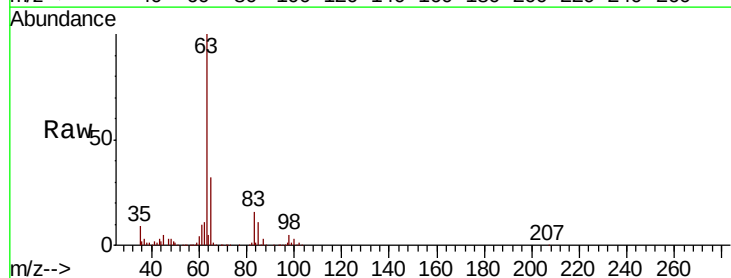
Tgt Ion: 63 Resp: 420406

Ion Ratio Lower Upper

63 100

98 4.6 2.7 8.1

100 3.0 1.5 4.5



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.90

200000

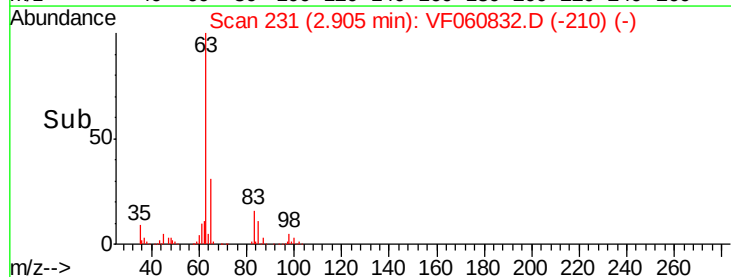
150000

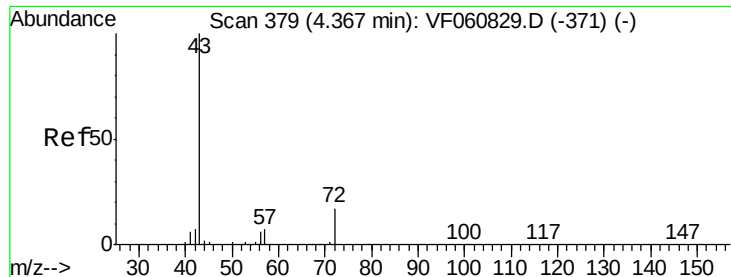
100000

50000

0

Time-->





#25

2-Butanone

Concen: 665.430 ug/l

RT: 4.37 min Scan# 380

Delta R.T. 0.01 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 479181

Ion Ratio Lower Upper

43 100

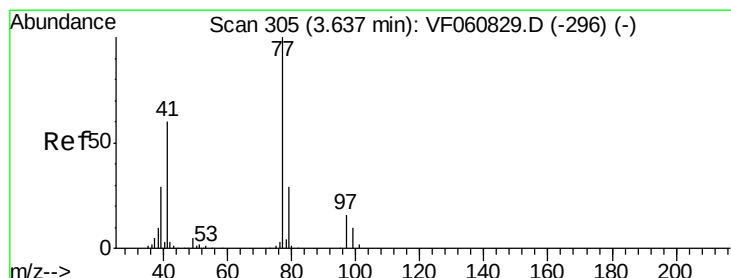
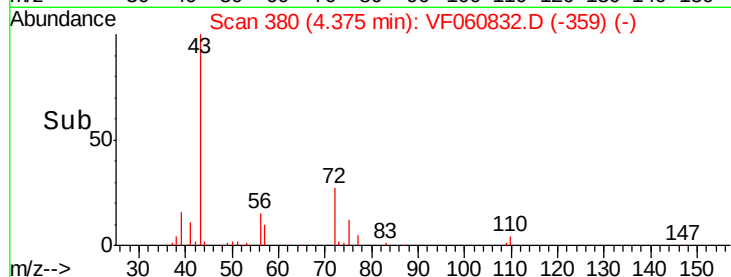
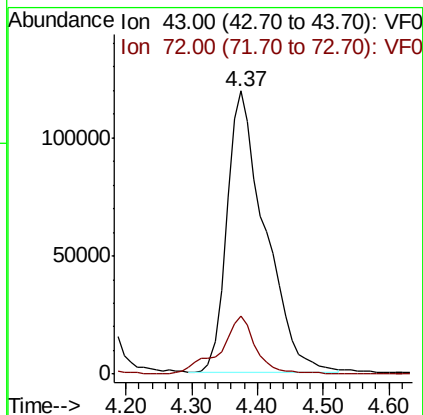
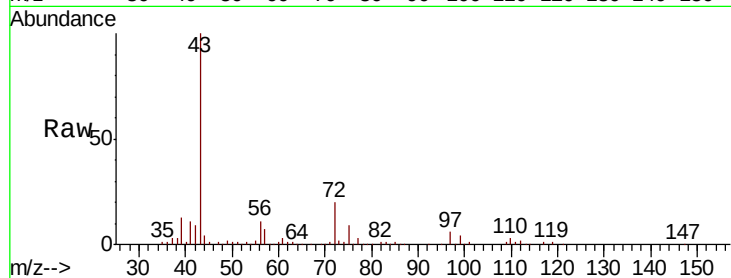
72 20.4 15.4 23.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 103.853 ug/l

RT: 3.63 min Scan# 305

Delta R.T. -0.00 min

Lab File: VF060832.D

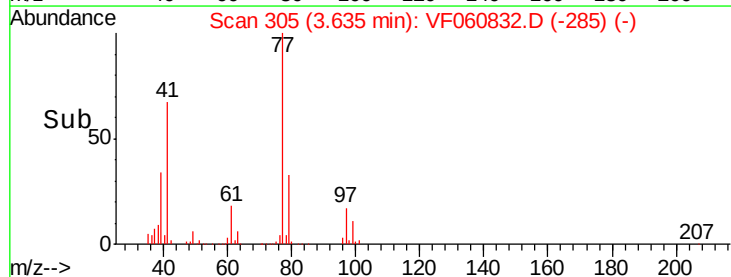
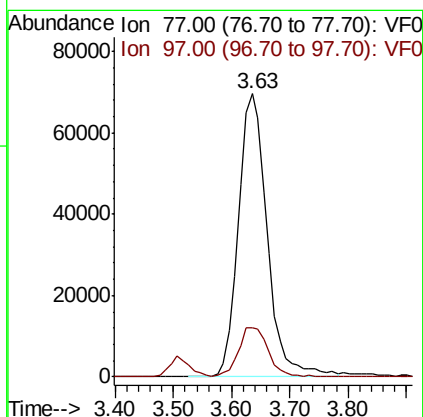
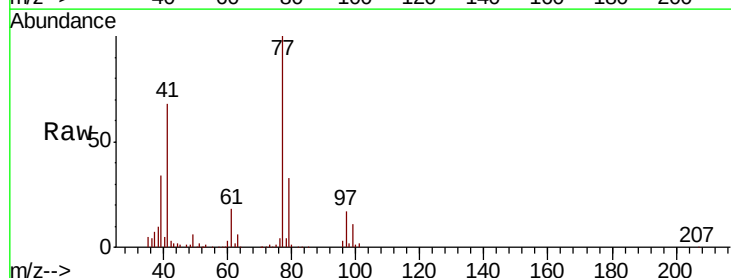
Acq: 26 Nov 2018 19:57

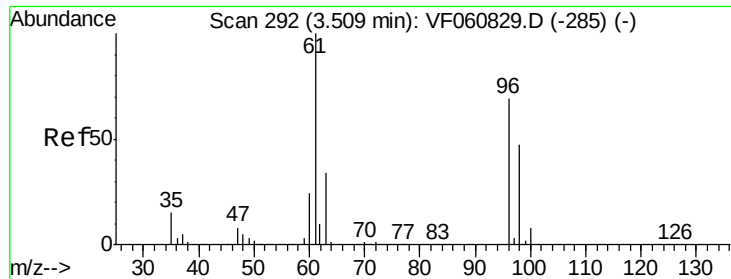
Tgt Ion: 77 Resp: 240574

Ion Ratio Lower Upper

77 100

97 17.2 8.6 25.8





#27

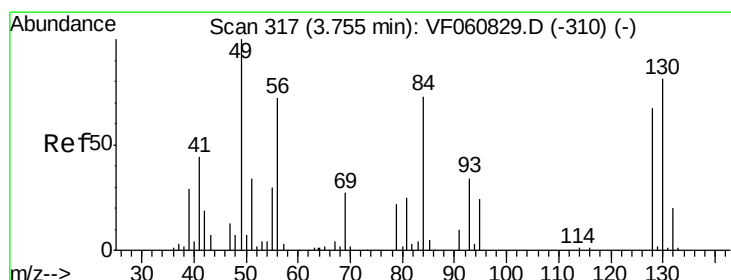
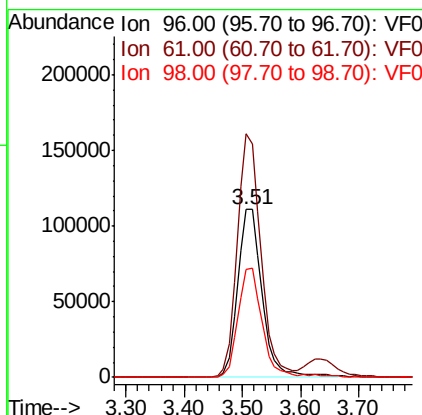
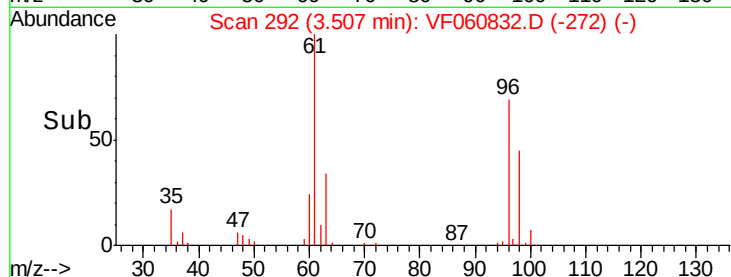
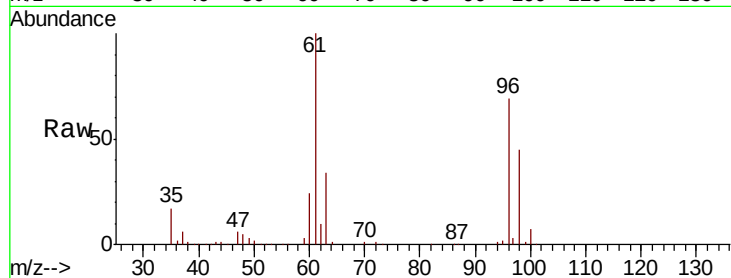
cis-1,2-Dichloroethene
Concen: 127.418 ug/l
RT: 3.51 min Scan# 292
Delta R.T. -0.00 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	326240		
61	145.0	0.0	290.6	
98	64.7	0.0	137.8	

Manual Integrations
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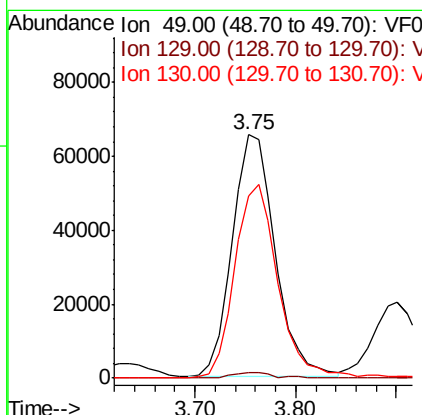
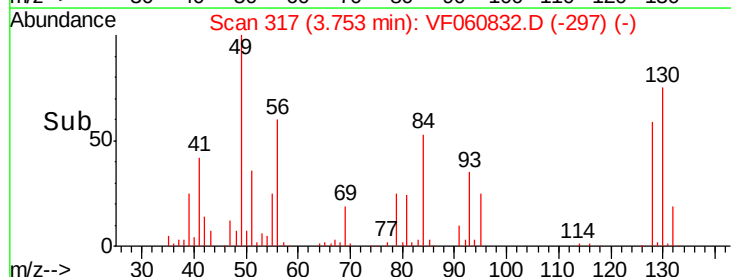
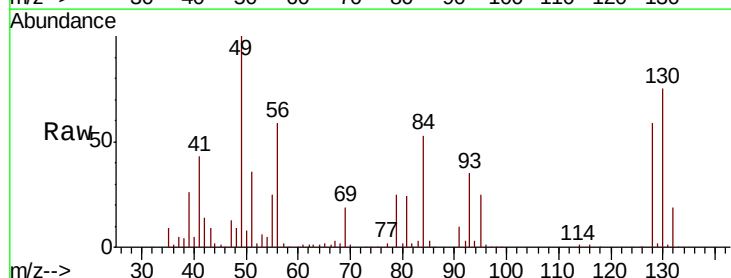
apatel
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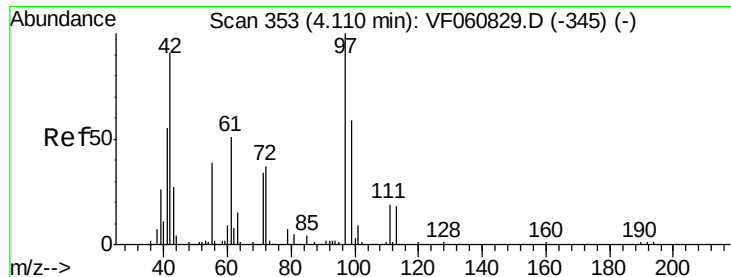


#28

Bromochloromethane
Concen: 126.230 ug/l
RT: 3.75 min Scan# 317
Delta R.T. -0.00 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	194044		
129	2.2	0.0	4.4	
130	74.7	64.2	96.4	





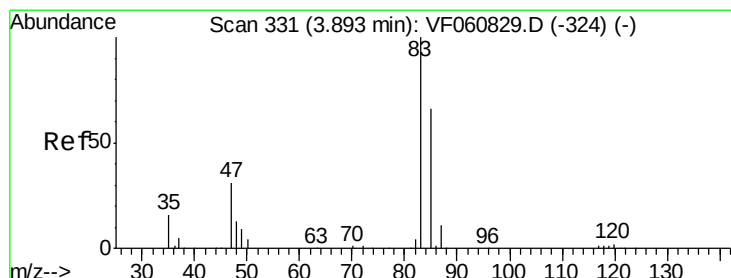
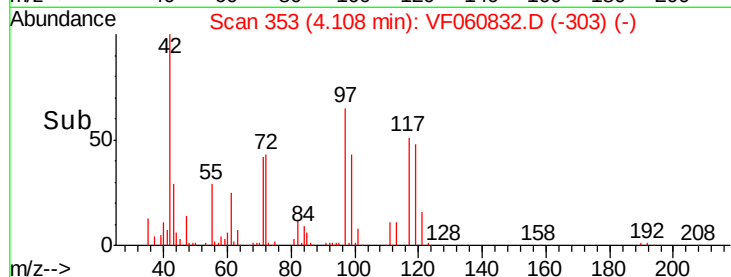
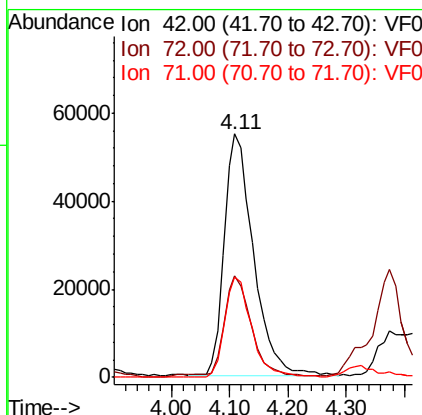
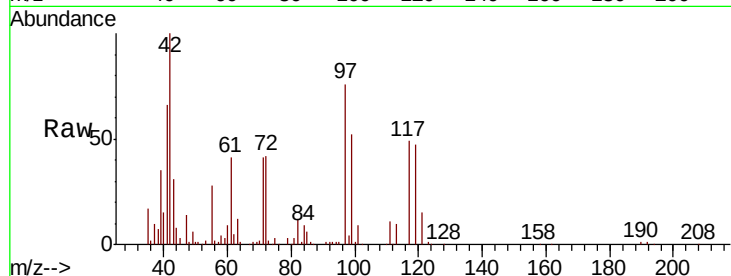
#29
Tetrahydrofuran
Concen: 645.448 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.00 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
42	100	192047		
72	39.9		31.9	47.9
71	38.4		28.7	43.1

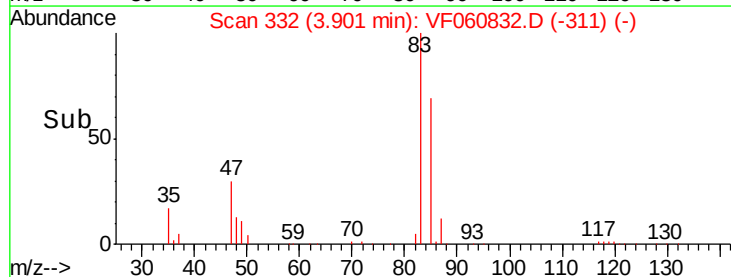
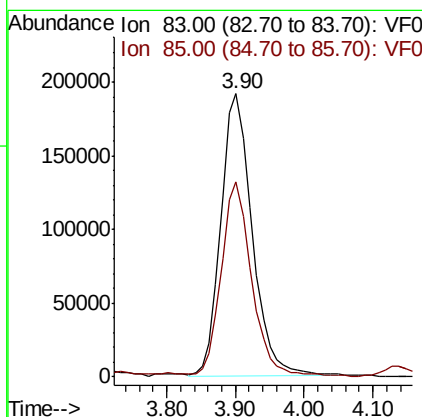
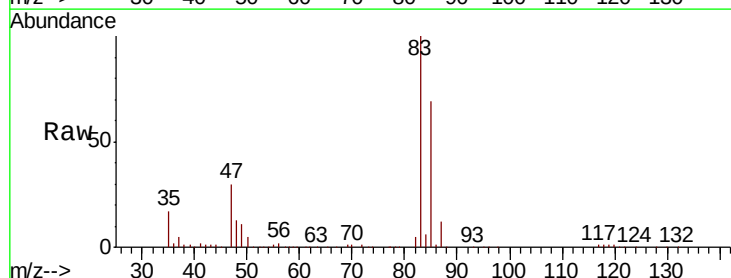
Manual Integrations
APPROVED

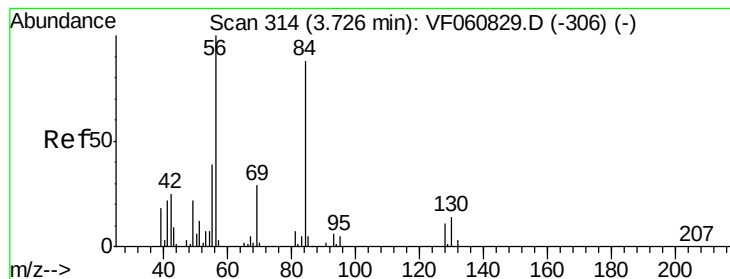
apatel
11/27/2018 3:17:12 PM



#30
Chloroform
Concen: 126.161 ug/l
RT: 3.90 min Scan# 332
Delta R.T. 0.01 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	601158		
85	69.0		53.4	80.2





#31

Cyclohexane

Concen: 112.275 ug/l m

RT: 3.72 min Scan# 314

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 400675

Ion Ratio Lower Upper

56 100

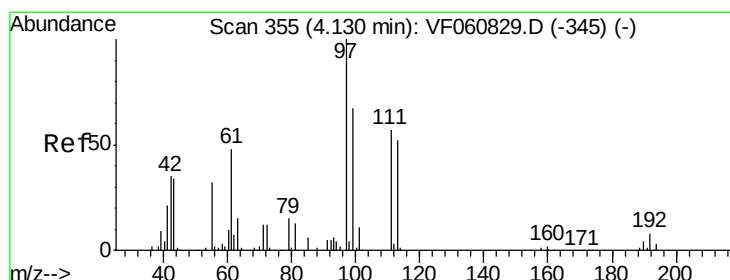
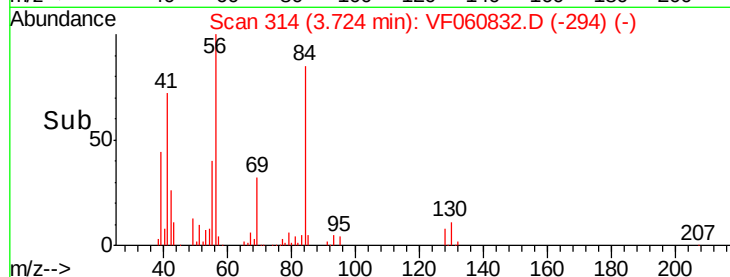
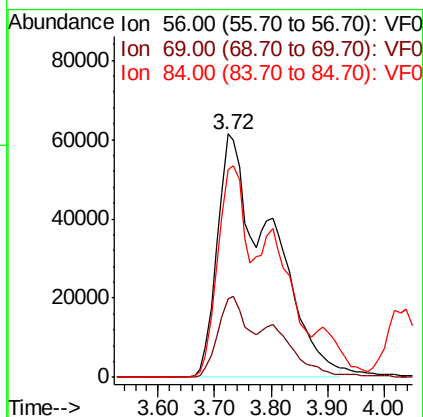
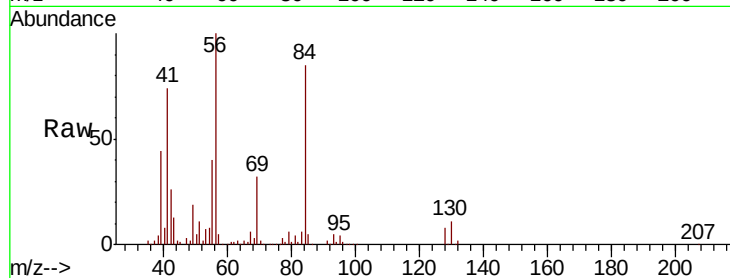
69 32.0 23.0 34.4

84 85.3 70.4 105.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 114.629 ug/l m

RT: 4.14 min Scan# 356

Delta R.T. 0.01 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

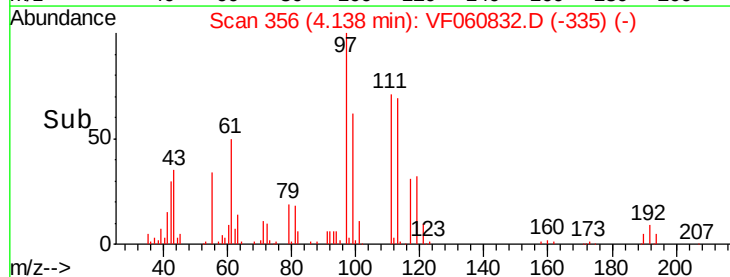
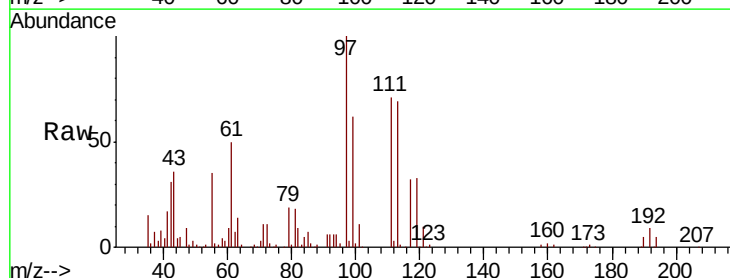
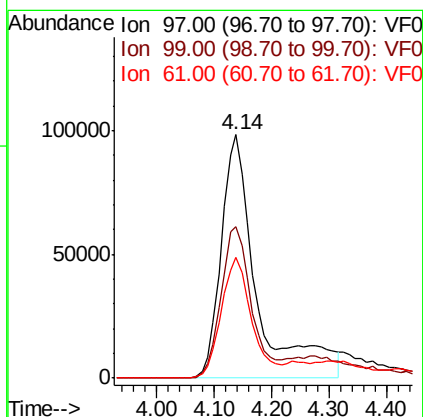
Tgt Ion: 97 Resp: 428785

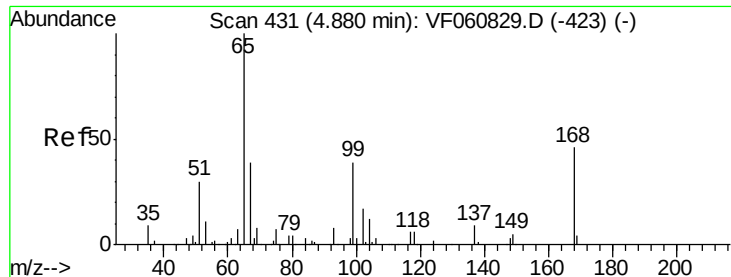
Ion Ratio Lower Upper

97 100

99 62.4 53.5 80.3

61 49.7 38.6 58.0





#33

1,2-Dichloroethane-d4

Concen: 159.558 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.01 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Tot Ion: 65 Resp: 337550

Ion Ratio Lower Upper

65 100

67 46.4 0.0 96.4

Instrument :

MSVOA_F

ClientSampleId :

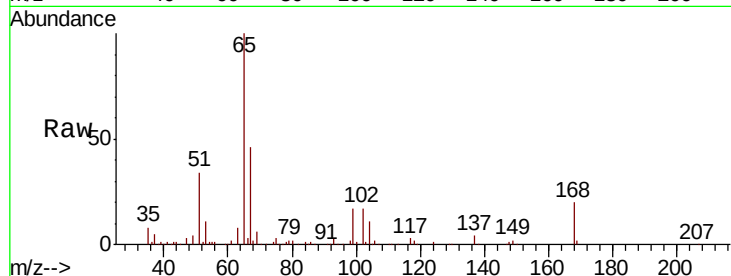
VSTDIC150

Manual Integrations

APPROVED

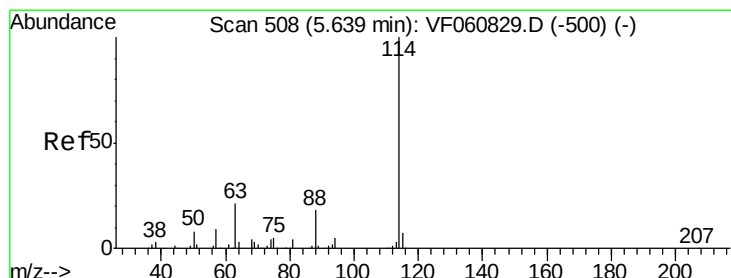
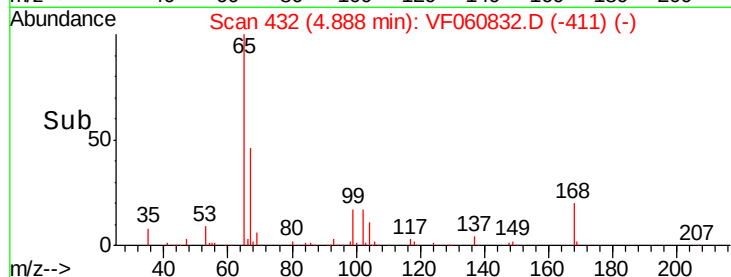
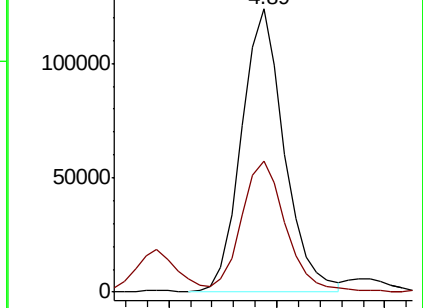
apatel

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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 508

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

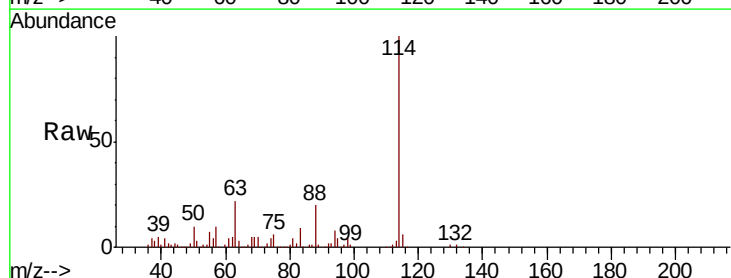
Tgt Ion: 114 Resp: 331413

Ion Ratio Lower Upper

114 100

63 22.3 0.0 41.6

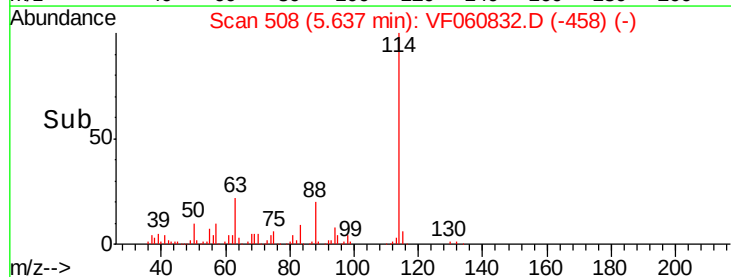
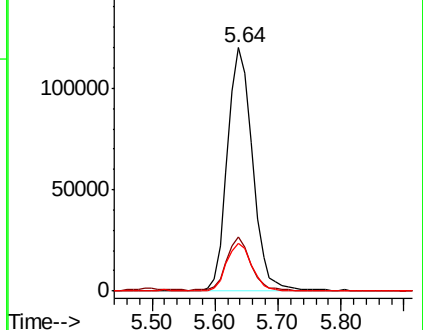
88 19.8 0.0 36.6

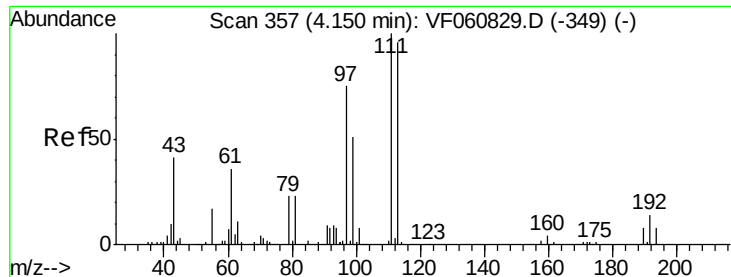


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





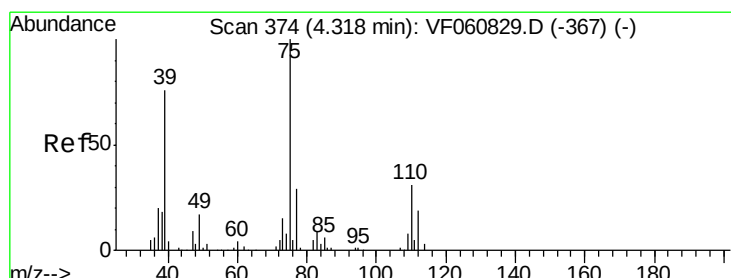
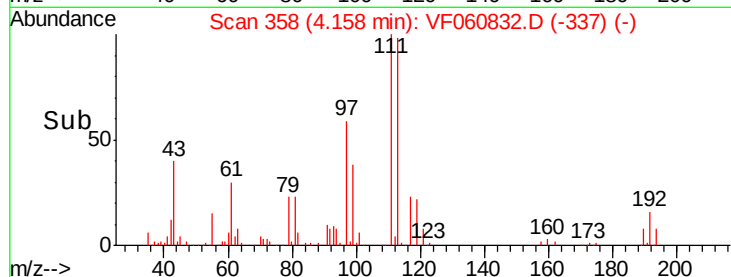
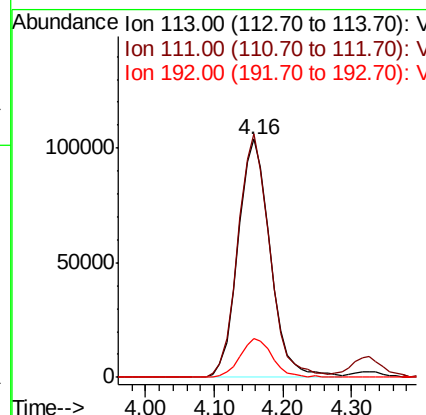
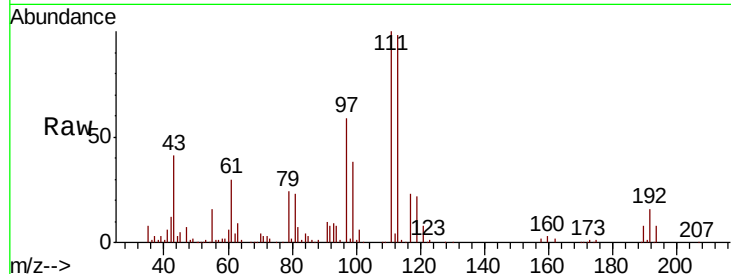
#35
Dibromofluoromethane
Concen: 131.830 ug/l
RT: 4.16 min Scan# 358
Delta R.T. 0.01 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.2	83.0	124.6	
192	17.0	12.3	18.5	

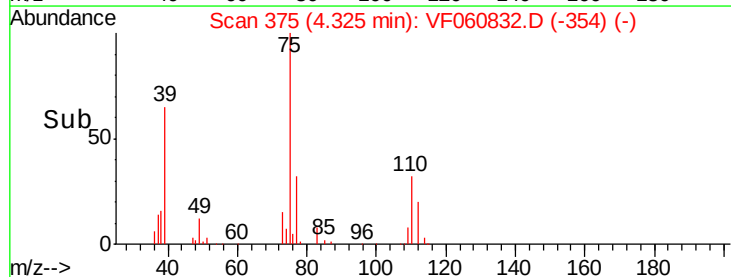
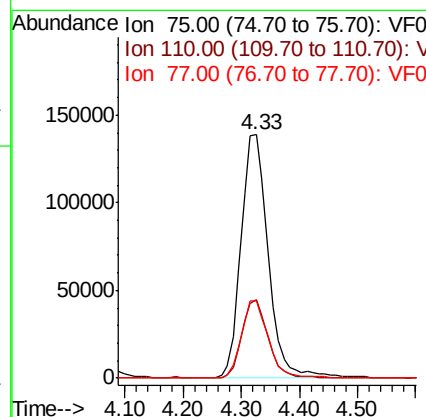
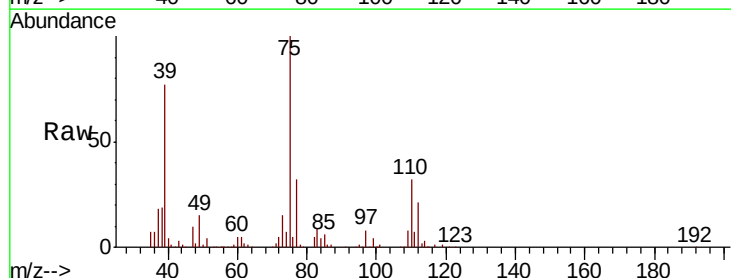
Manual Integrations
APPROVED

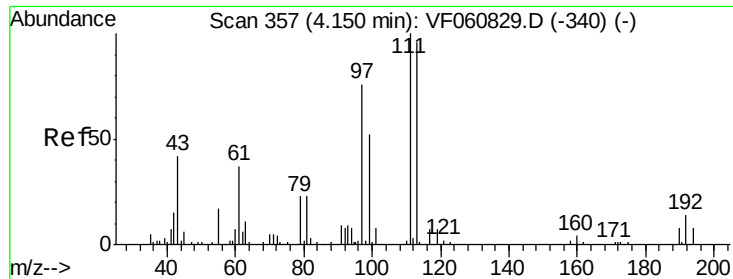
apatel
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#36
1,1-Dichloropropene
Concen: 118.386 ug/l
RT: 4.33 min Scan# 375
Delta R.T. 0.01 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	32.4	15.6	46.8	
77	31.8	23.4	35.0	





#37

Ethyl Acetate

Concen: 124.221 ug/l

RT: 4.15 min Scan# 357

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

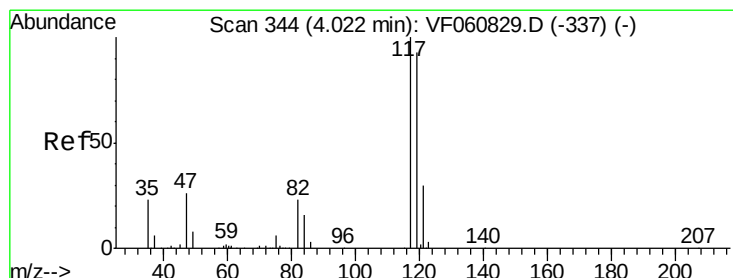
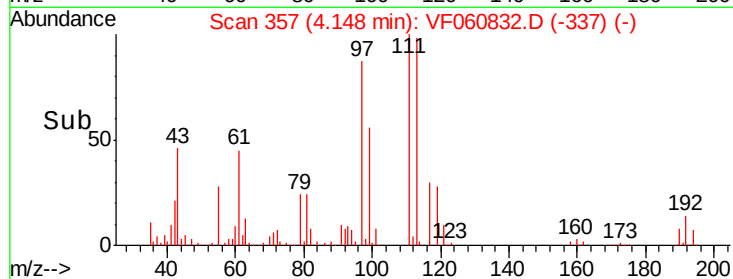
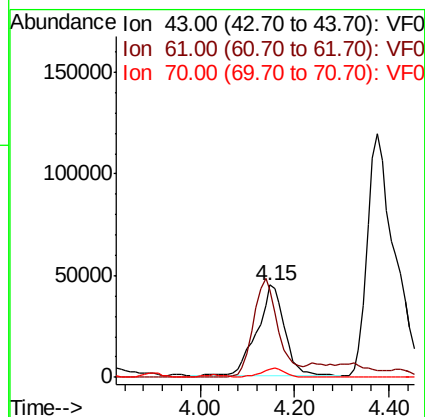
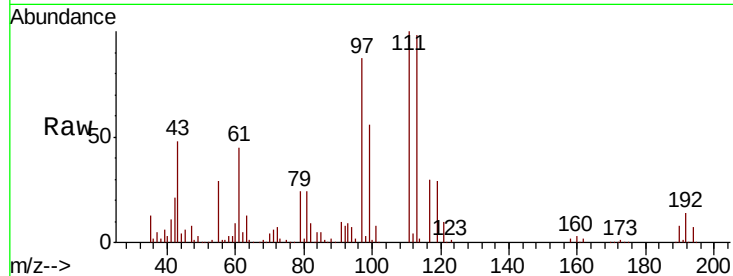
VSTDIC150

Tot Ion: 43 Resp: 179252

Ion	Ratio	Lower	Upper
43	100		
61	94.3	68.6	103.0
70	8.4	9.0	13.4#

Manual Integrations
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apatel
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#38

Carbon Tetrachloride

Concen: 98.297 ug/l

RT: 4.03 min Scan# 345

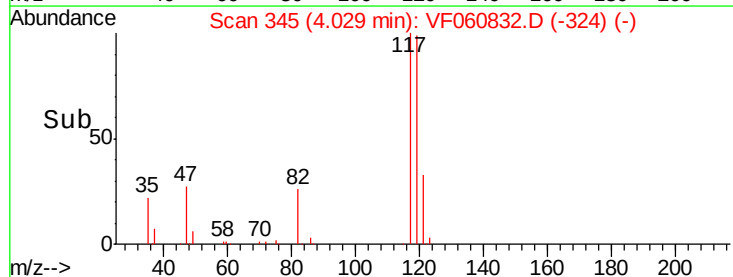
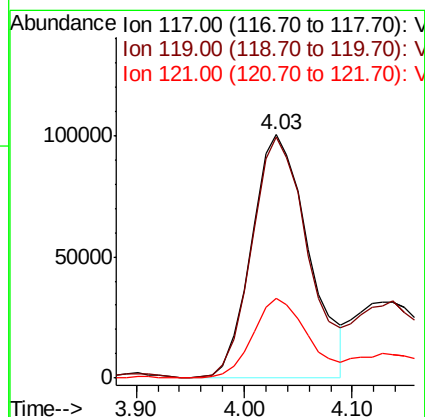
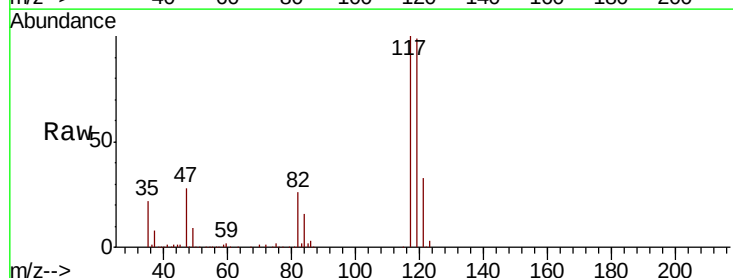
Delta R.T. 0.01 min

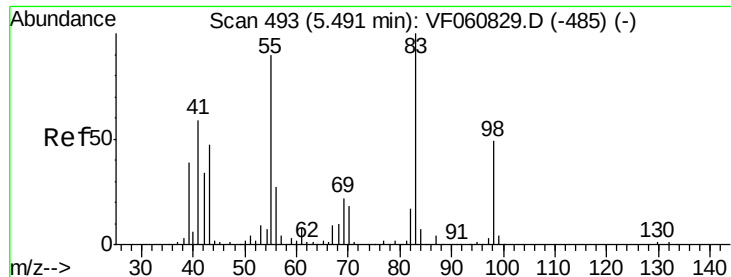
Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Tgt Ion: 117 Resp: 365584

Ion	Ratio	Lower	Upper
117	100		
119	98.8	74.4	111.6
121	32.6	23.5	35.3





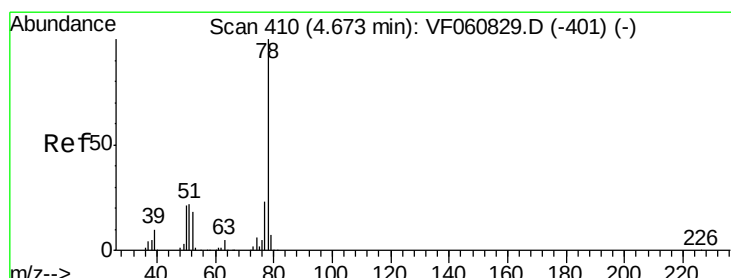
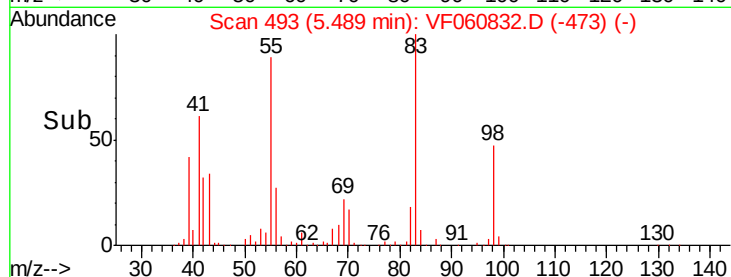
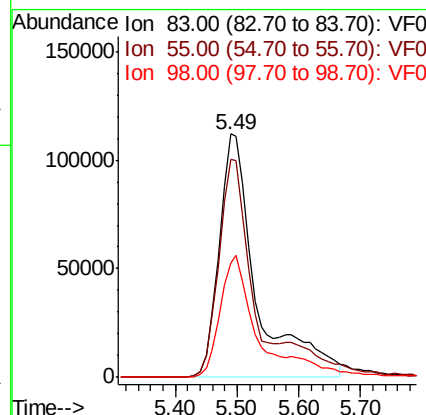
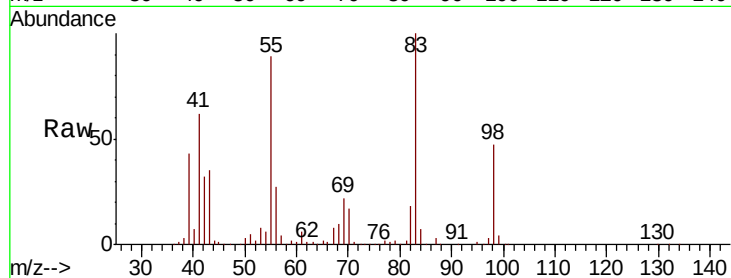
#39
Methylvlcyclohexane
Concen: 109.560 ug/l m
RT: 5.49 min Scan# 493
Delta R.T. -0.00 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.4	72.1	108.1
98	46.9	39.1	58.7

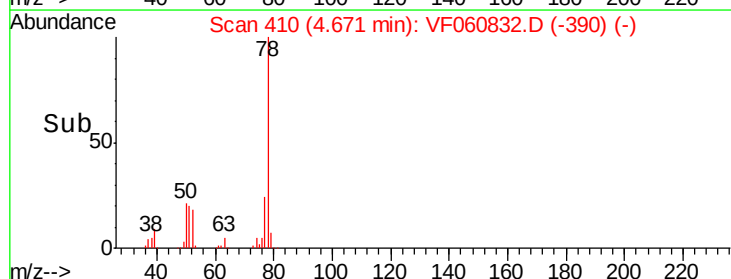
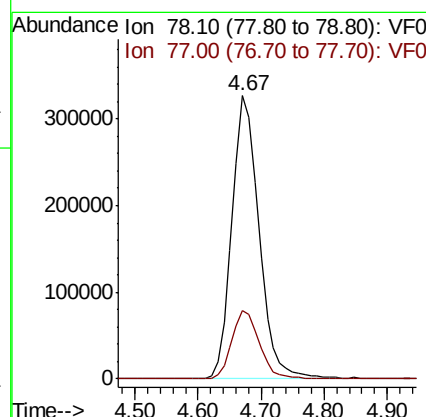
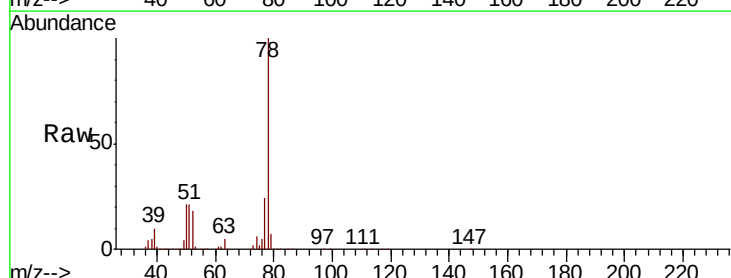
Manual Integrations
APPROVED

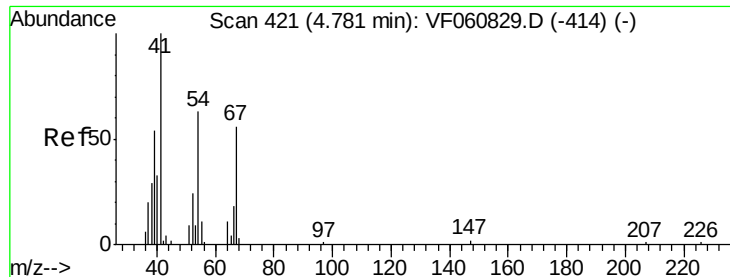
apatel
11/27/2018 3:17:12 PM



#40
Benzene
Concen: 114.831 ug/l
RT: 4.67 min Scan# 410
Delta R.T. -0.00 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.7	28.1





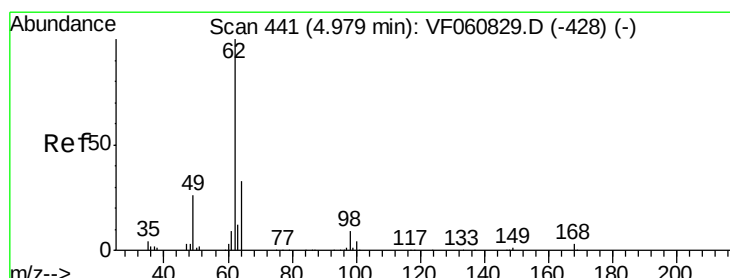
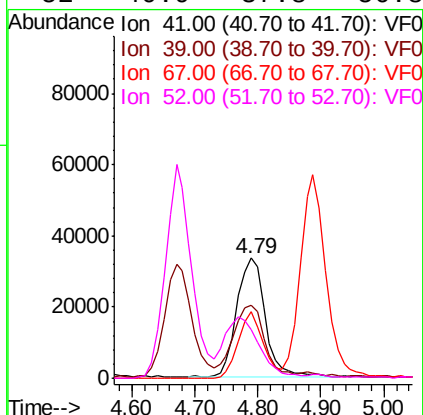
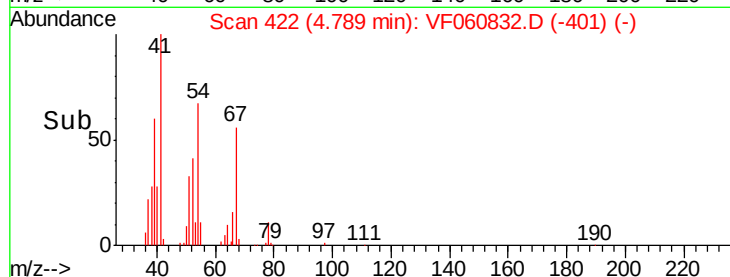
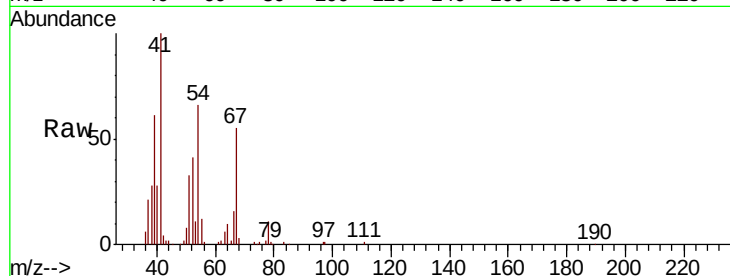
#41
Methacrylonitrile
Concen: 121.259 ug/l
RT: 4.79 min Scan# 422
Delta R.T. 0.01 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	61.1	53.0	79.6	
67	55.2	43.8	65.6	
52	40.9	37.8	56.8	

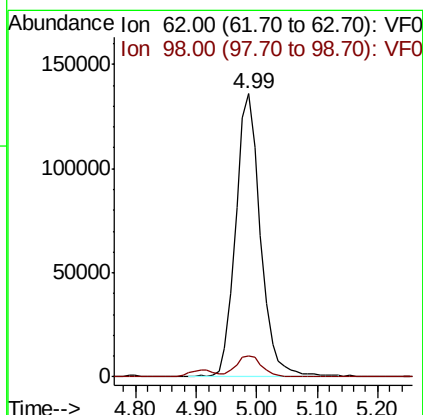
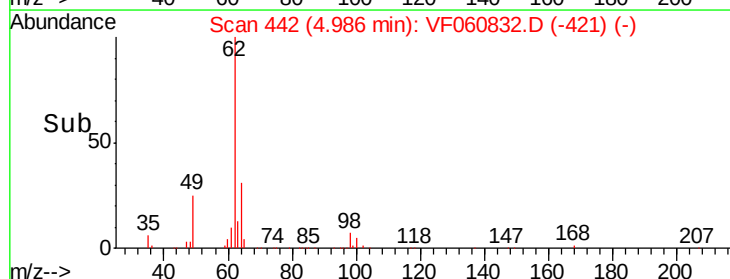
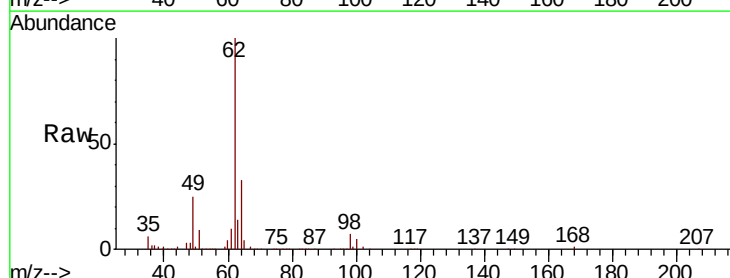
Manual Integrations
APPROVED

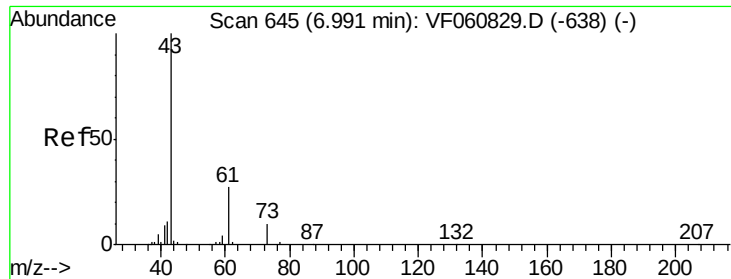
apatel
11/27/2018 3:17:12 PM



#42
1,2-Dichloroethane
Concen: 129.520 ug/l
RT: 4.99 min Scan# 442
Delta R.T. 0.01 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.3	0.0	17.2	





#43

Isopropyl Acetate

Concen: 135.839 ug/l

RT: 6.99 min Scan# 645

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

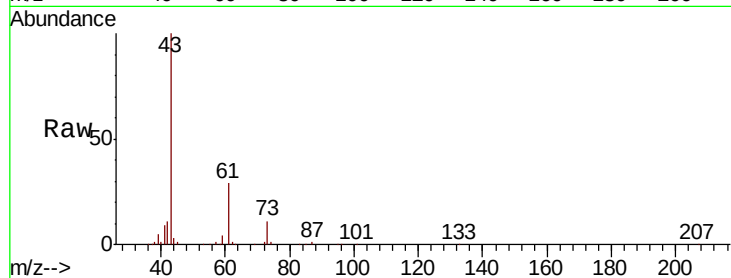
ClientSampleId :

VSTDIC150

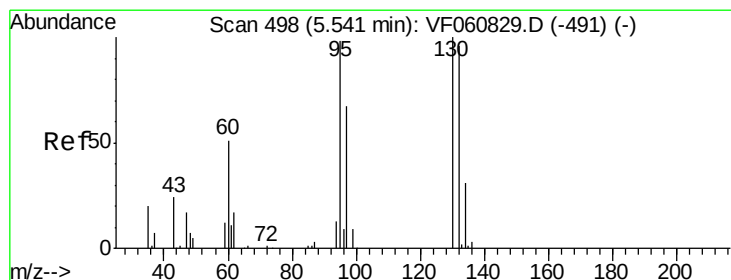
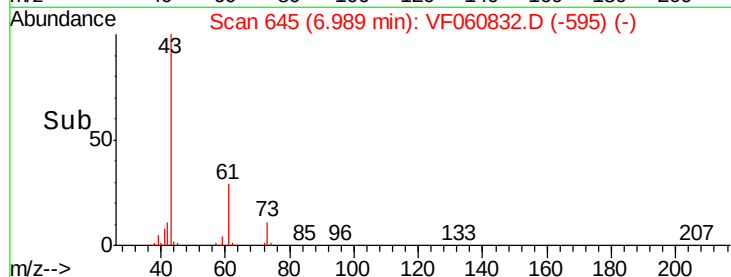
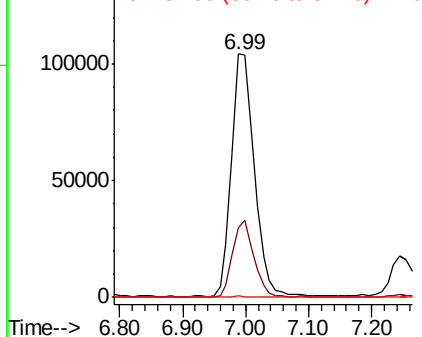
Tot Ion:	43	Resp:	261513
Ion Ratio	Lower	Upper	
43	100		
61	28.7	21.4	32.0
87	0.5	0.2	0.4

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Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 111.591 ug/l

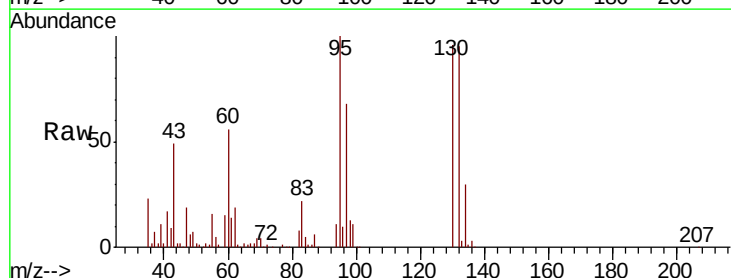
RT: 5.54 min Scan# 498

Delta R.T. -0.00 min

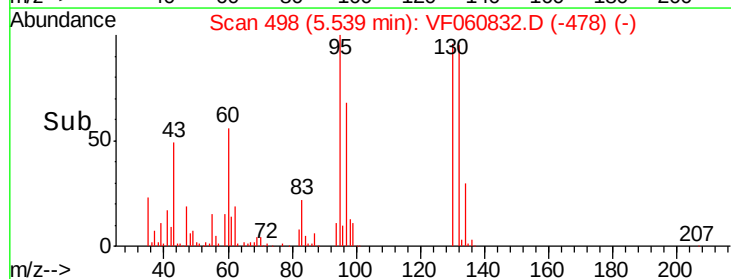
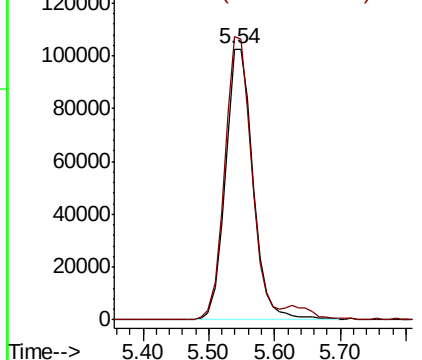
Lab File: VF060832.D

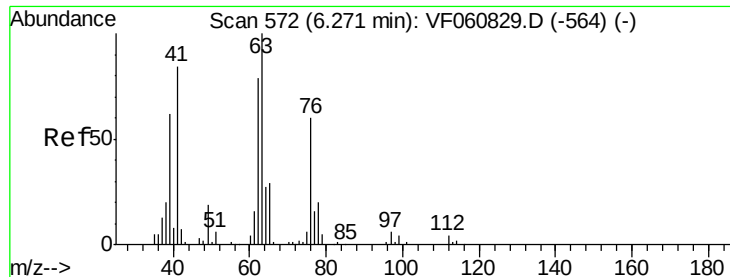
Acq: 26 Nov 2018 19:57

Tgt Ion:	130	Resp:	302943
Ion Ratio	Lower	Upper	
130	100		
95	104.4	0.0	195.6



Abundance Ion 129.90 (129.60 to 130.60): V
Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 123.055 ug/l

RT: 6.27 min Scan# 572

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 277133

Ion Ratio Lower Upper

63 100

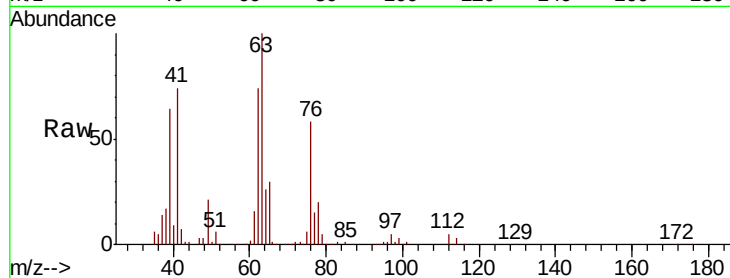
65 29.6 23.2 34.8

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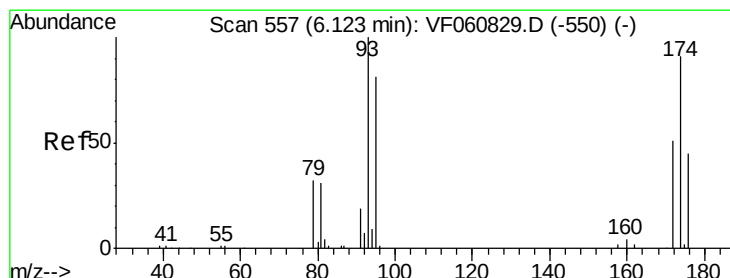
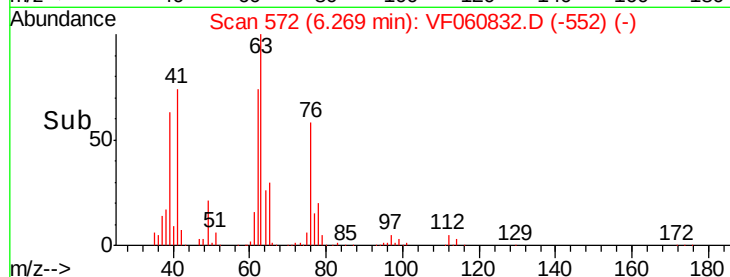
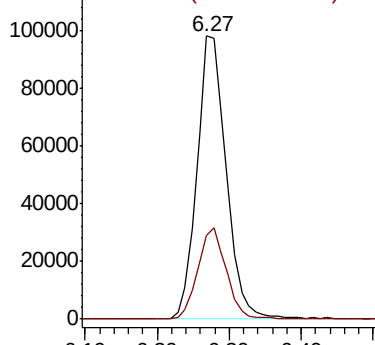
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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 131.416 ug/l

RT: 6.13 min Scan# 558

Delta R.T. 0.01 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

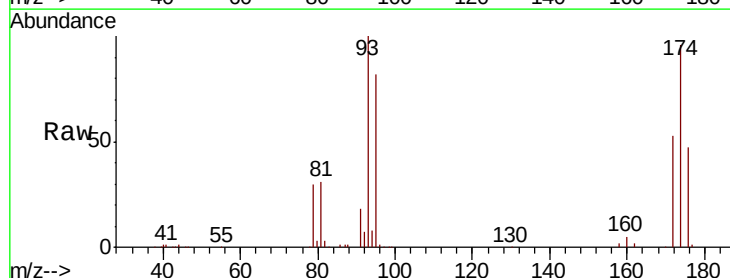
Tgt Ion: 93 Resp: 193940

Ion Ratio Lower Upper

93 100

95 82.1 64.7 97.1

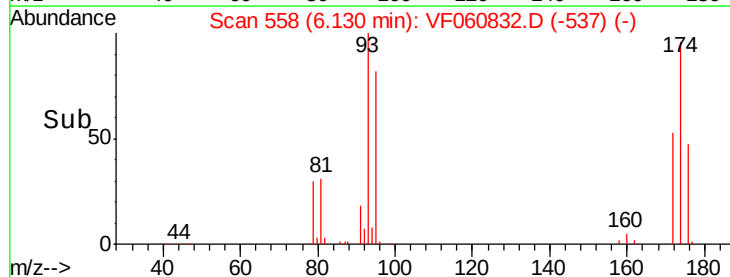
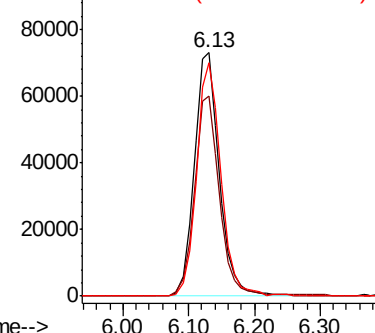
174 95.8 73.0 109.6

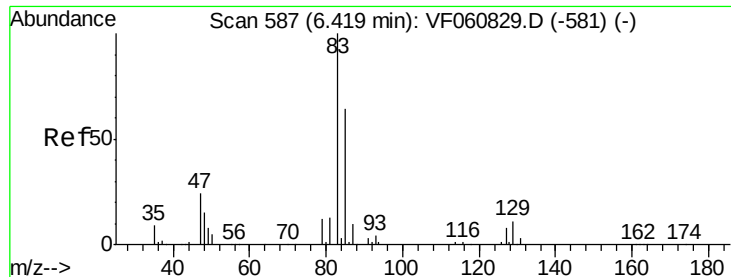


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 130.408 ug/l

RT: 6.43 min Scan# 588

Delta R.T. 0.01 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

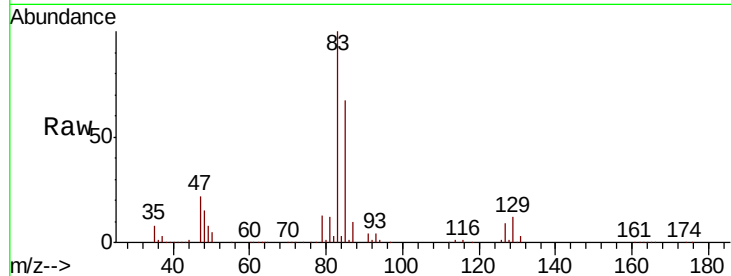
ClientSampleId :

VSTDIC150

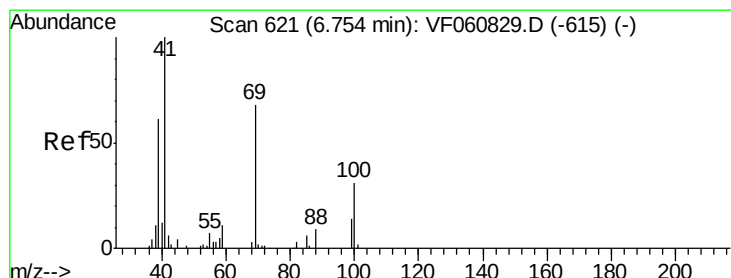
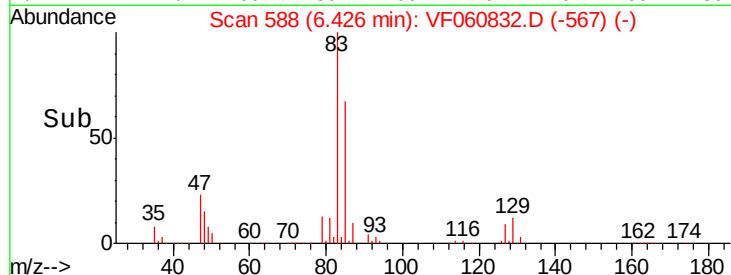
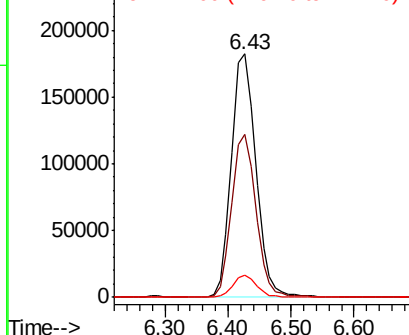
Tot Ion:	83	Resp:	490653
Ion Ratio	Lower	Upper	
83	100		
85	67.0	51.1	76.7
127	9.2	6.8	10.2

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Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 138.820 ug/l

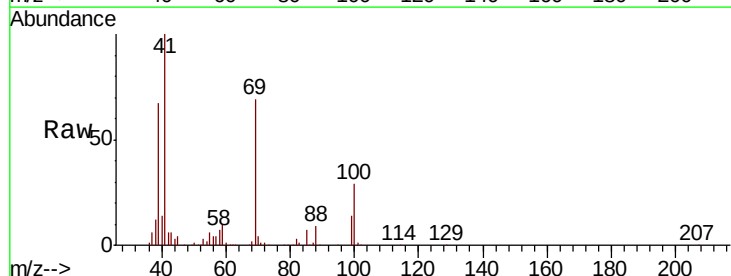
RT: 6.75 min Scan# 621

Delta R.T. -0.00 min

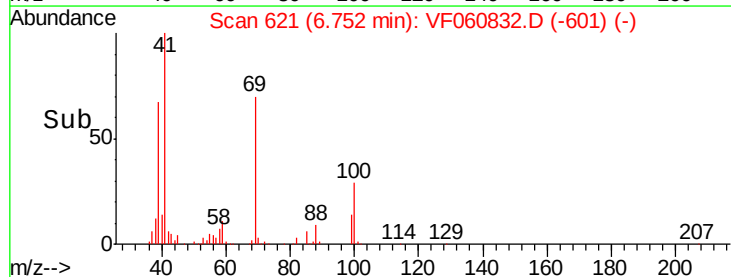
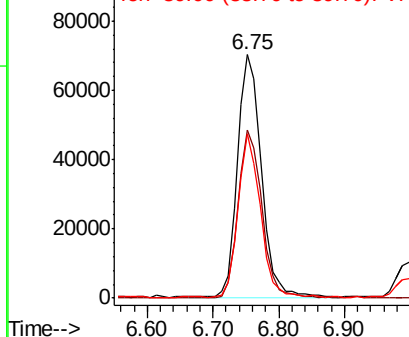
Lab File: VF060832.D

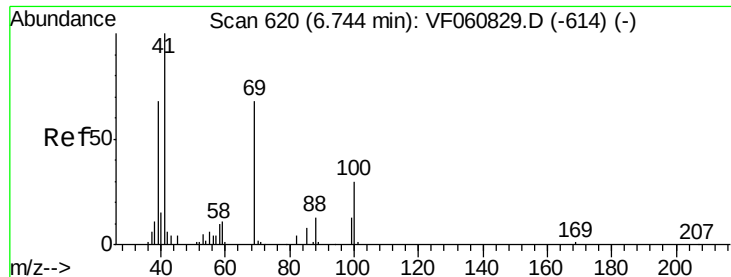
Acq: 26 Nov 2018 19:57

Tgt Ion:	41	Resp:	178809
Ion Ratio	Lower	Upper	
41	100		
69	69.2	53.9	80.9
39	67.5	49.0	73.6



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 2200.389 ug/l

RT: 6.74 min Scan# 620

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

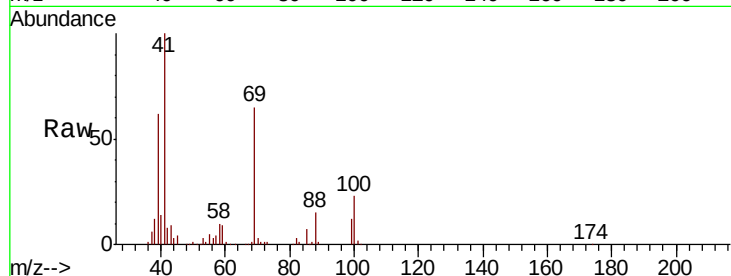
ClientSampleId :

VSTDIC150

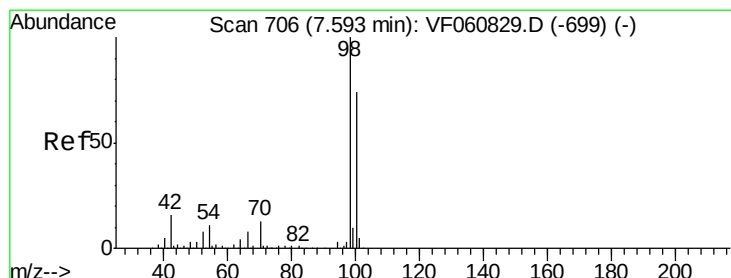
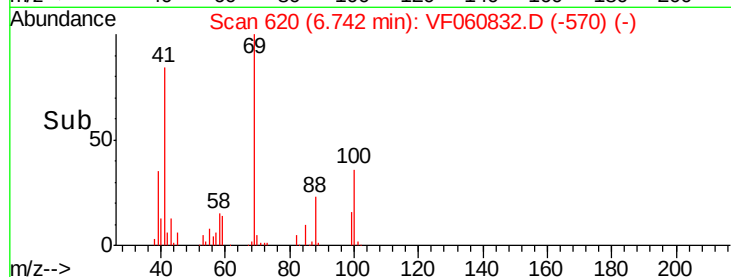
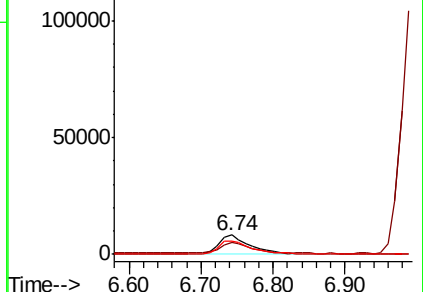
Tot Ion:	88	Resp:	25865
Ion Ratio	Lower	Upper	
88	100		
43	60.3	42.0	63.0
58	66.3	61.8	92.8

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Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 129.837 ug/l

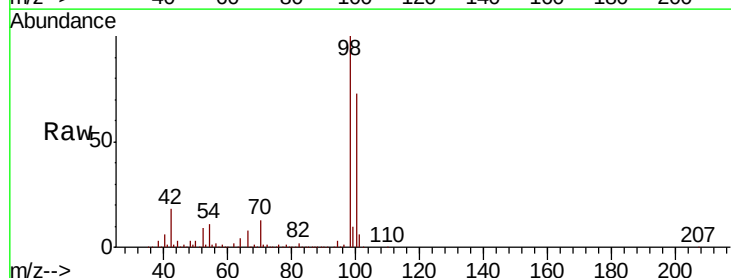
RT: 7.59 min Scan# 706

Delta R.T. -0.00 min

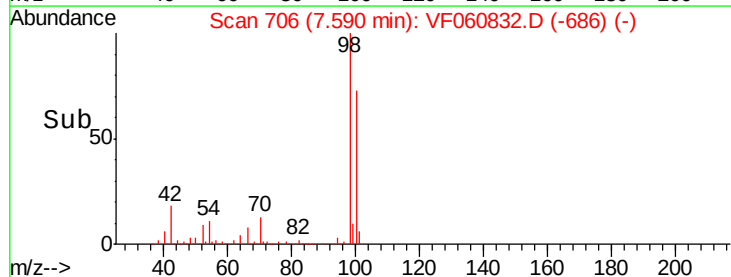
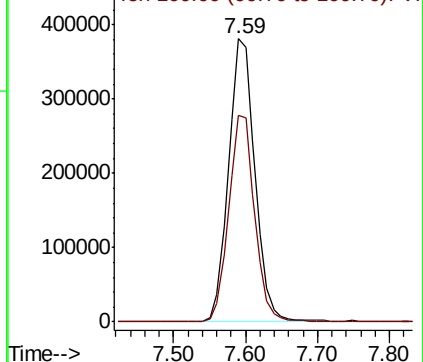
Lab File: VF060832.D

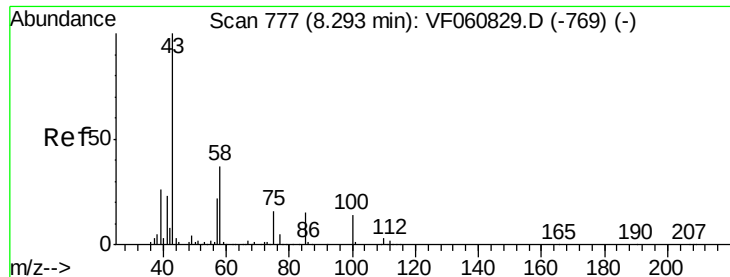
Acq: 26 Nov 2018 19:57

Tgt Ion:	98	Resp:	972578
Ion Ratio	Lower	Upper	
98	100		
100	73.0	59.3	88.9



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 604.400 ug/l

RT: 8.29 min Scan# 777

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 832769

Ion Ratio Lower Upper

43 100

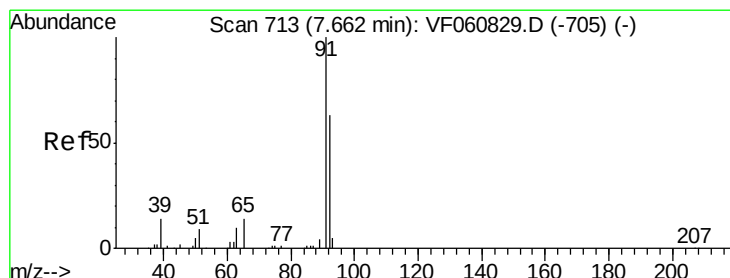
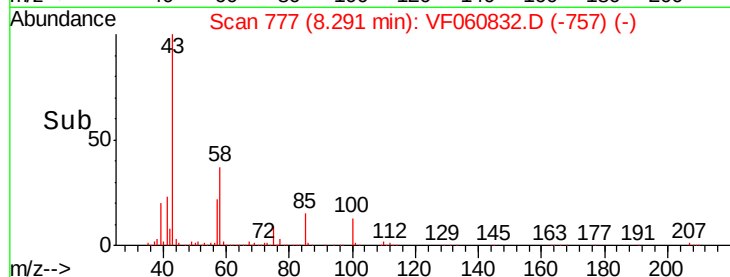
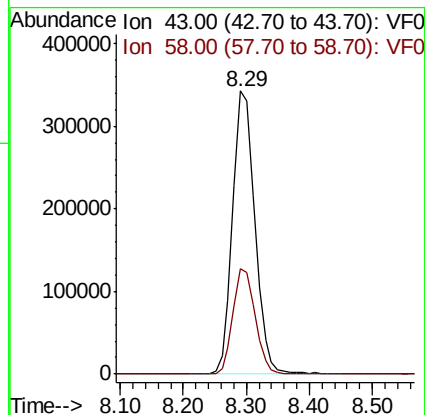
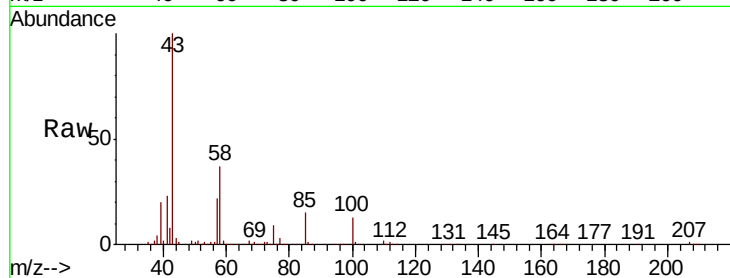
58 37.5 29.7 44.5

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#52

Toluene

Concen: 113.238 ug/l

RT: 7.66 min Scan# 713

Delta R.T. -0.00 min

Lab File: VF060832.D

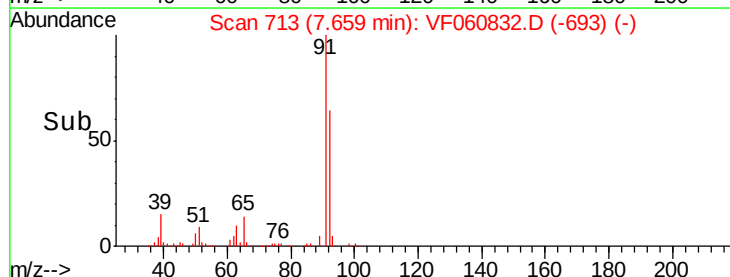
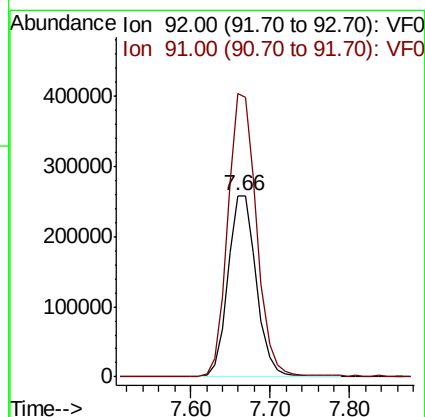
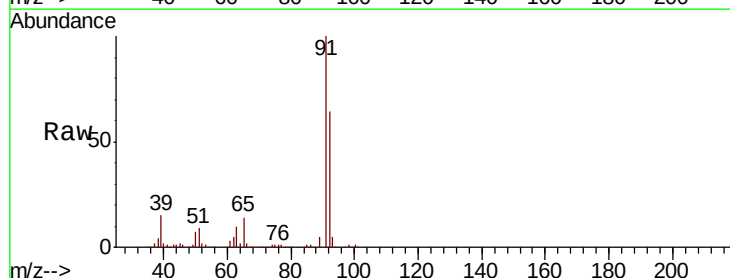
Acq: 26 Nov 2018 19:57

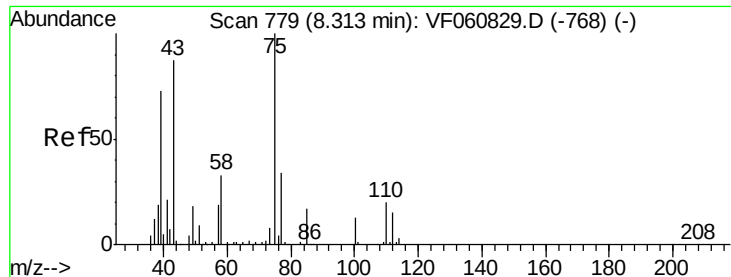
Tgt Ion: 92 Resp: 646322

Ion Ratio Lower Upper

92 100

91 156.3 126.2 189.2





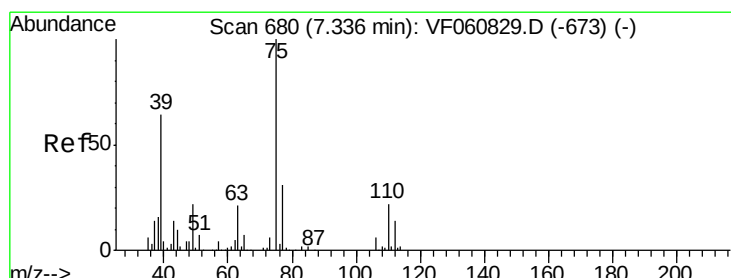
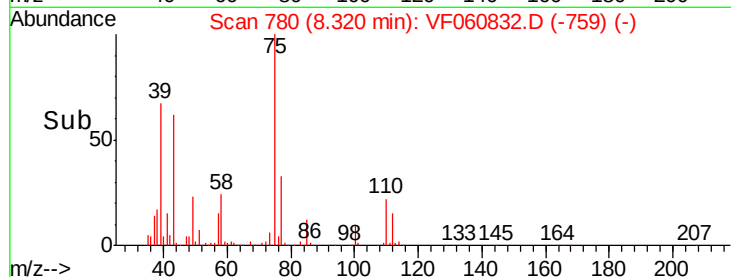
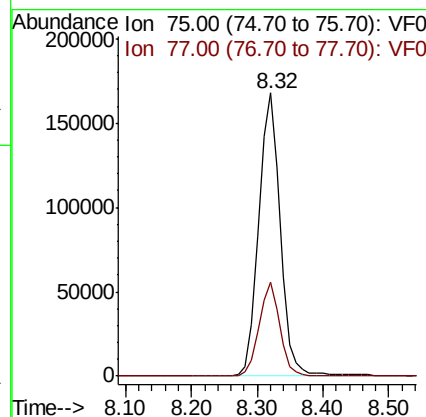
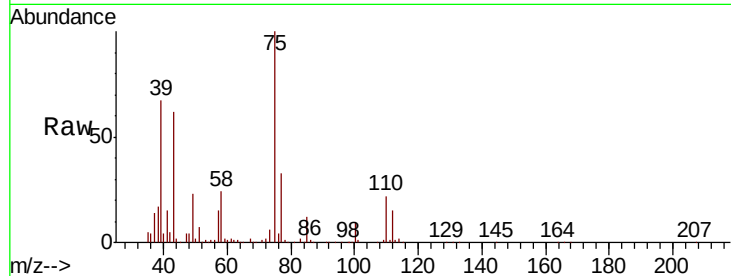
#53
t-1,3-Dichloropropene
Concen: 126.762 ug/l
RT: 8.32 min Scan# 780
Delta R.T. 0.01 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.2	27.4	41.2

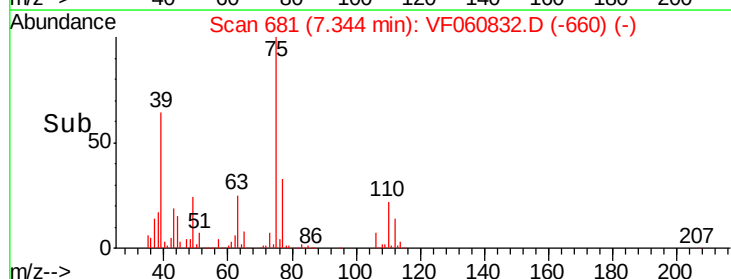
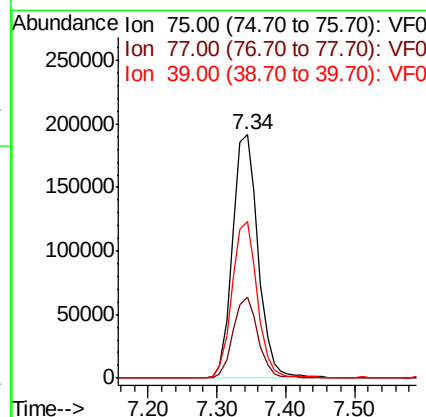
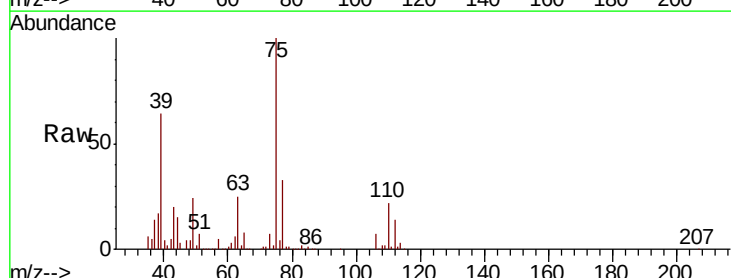
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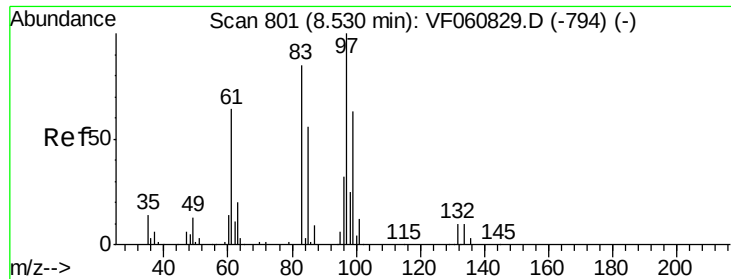
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#54
cis-1,3-Dichloropropene
Concen: 123.946 ug/l
RT: 7.34 min Scan# 681
Delta R.T. 0.01 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.4	25.0	37.6
39	64.1	51.1	76.7





#55

1,1,2-Trichloroethane

Concen: 126.078 ug/l

RT: 8.53 min Scan# 801

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

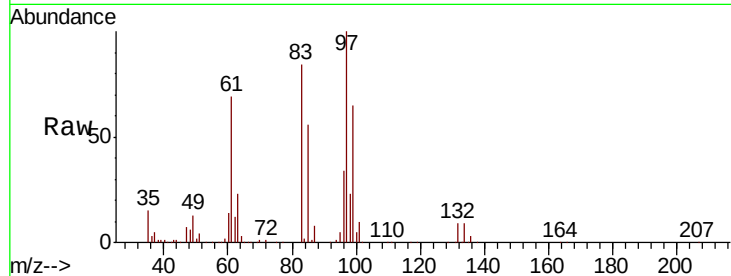
ClientSampleId :

VSTDIC150

Tot Ion	97	Resp	207526
Ion Ratio	Lower	Upper	
97	100		
83	84.1	67.8	101.6
85	55.7	45.0	67.6
99	64.7	50.5	75.7

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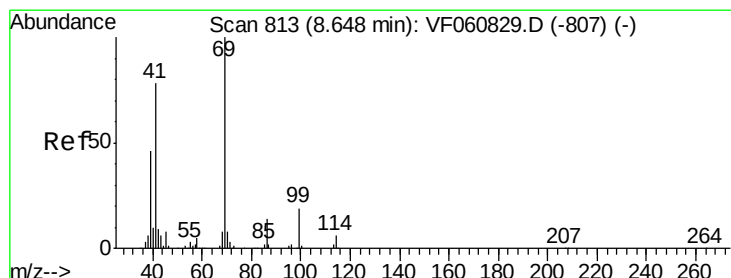
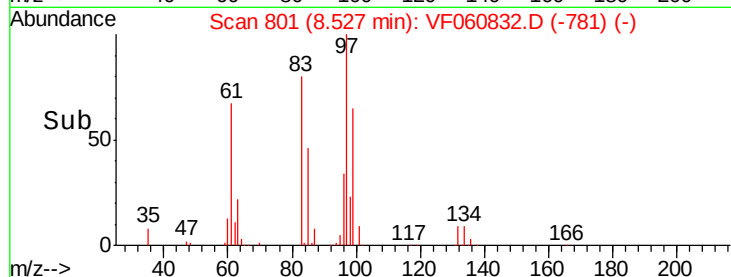
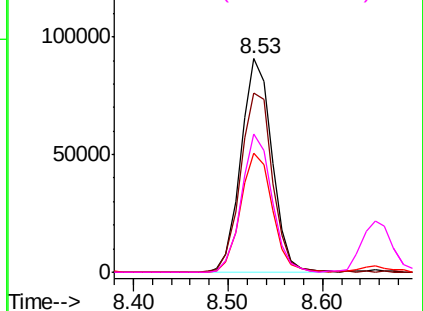


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 129.308 ug/l

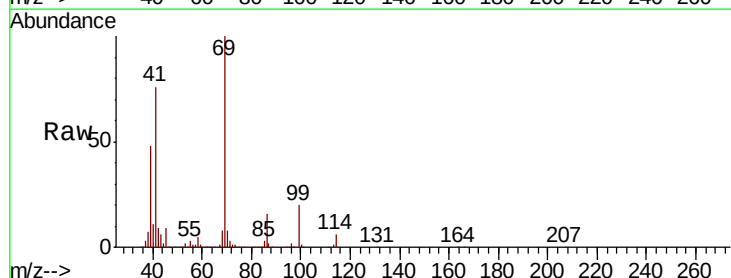
RT: 8.66 min Scan# 814

Delta R.T. 0.01 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

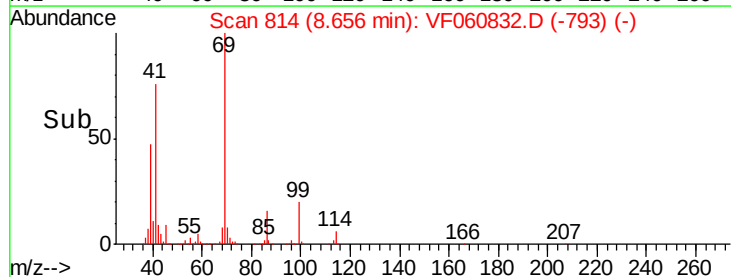
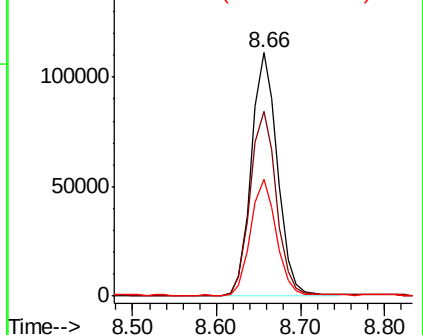
Tgt Ion	69	Resp	244380
Ion Ratio	Lower	Upper	
69	100		
41	76.0	62.6	94.0
39	47.9	37.8	56.6

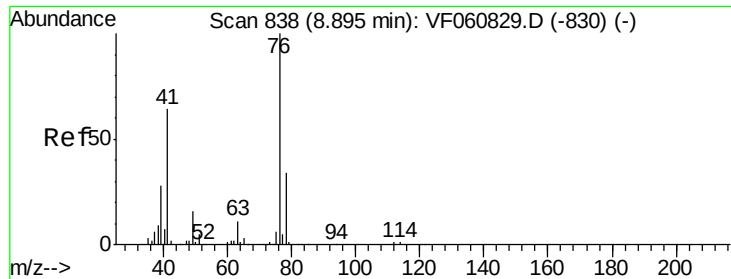


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 133.240 ug/l

RT: 8.89 min Scan# 838

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 386726

Ion Ratio Lower Upper

76 100

78 33.4

27.0

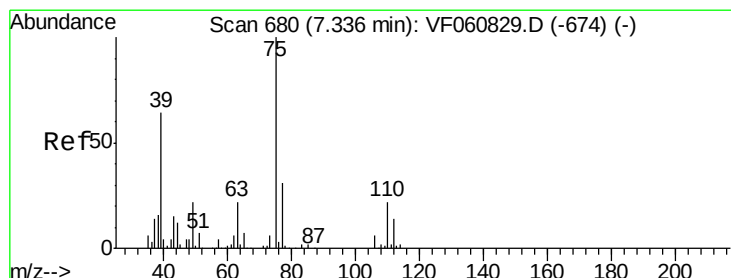
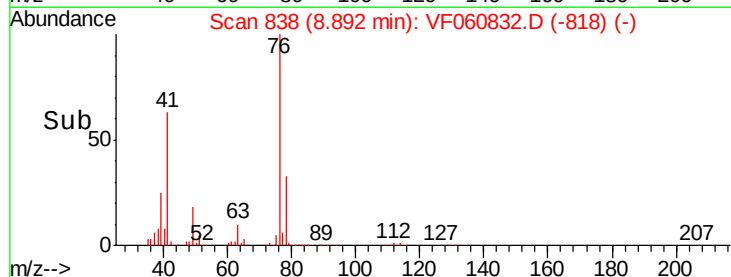
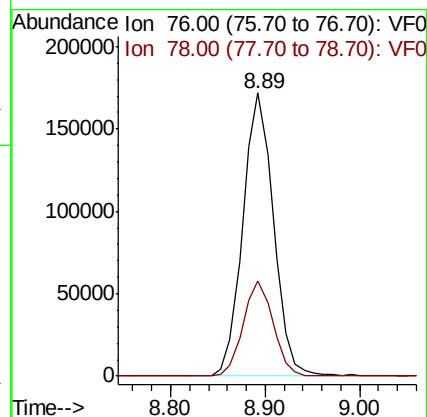
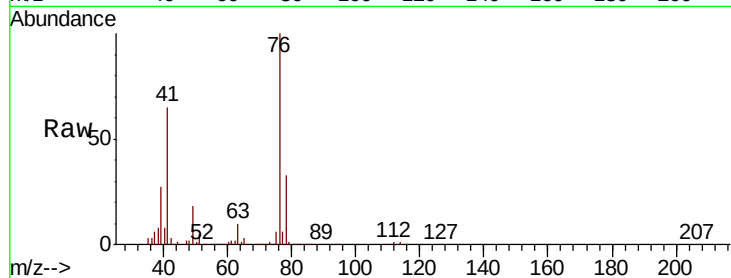
40.4

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#58

2-Chloroethyl Vinyl ether

Concen: 808.362 ug/l

RT: 7.33 min Scan# 680

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Tgt Ion: 63 Resp: 138835

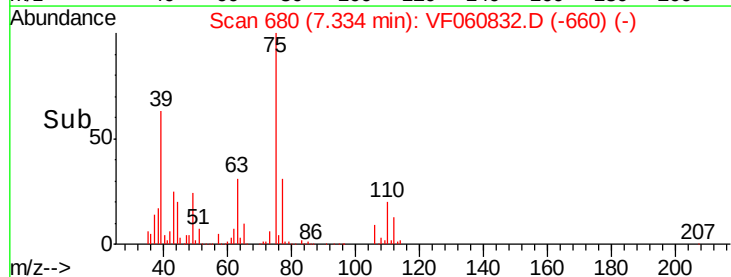
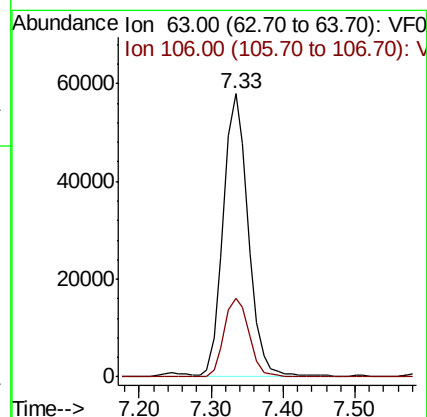
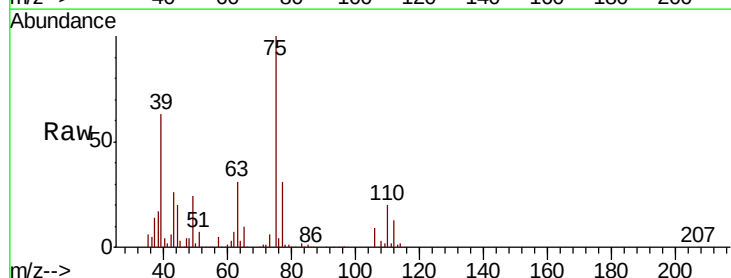
Ion Ratio Lower Upper

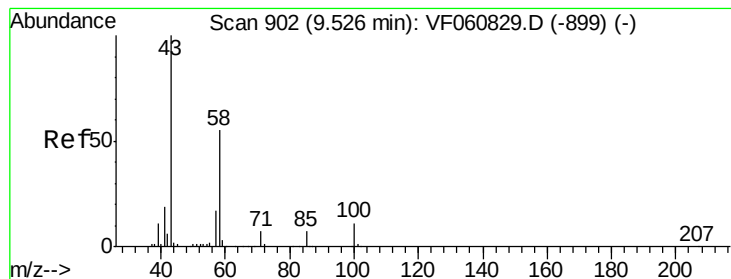
63 100

106 27.6

23.0

34.6





#59

2-Hexanone

Concen: 582.532 ug/l

RT: 9.53 min Scan# 903

Delta R.T. 0.01 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 567020

Ion Ratio Lower Upper

43 100

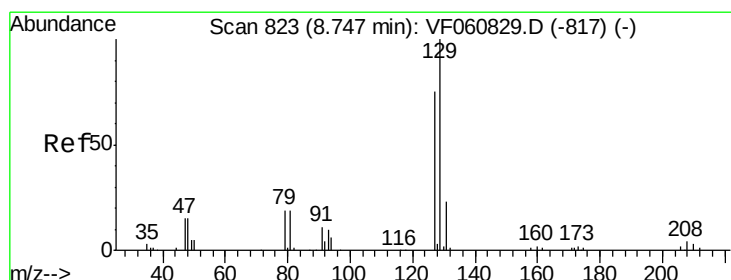
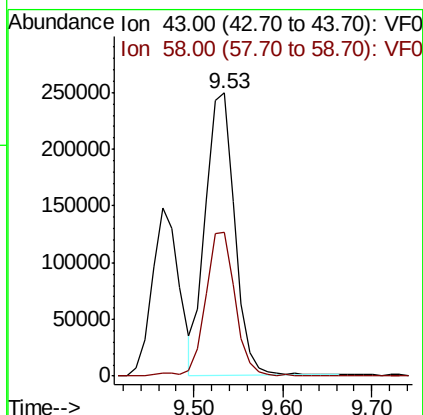
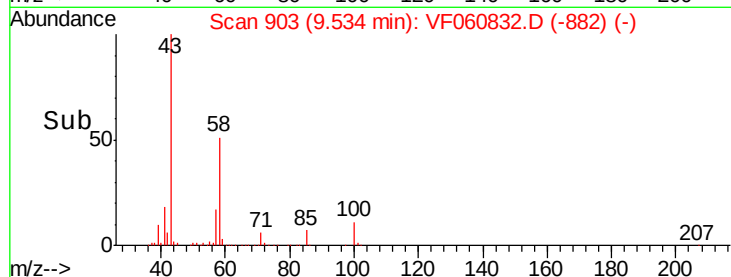
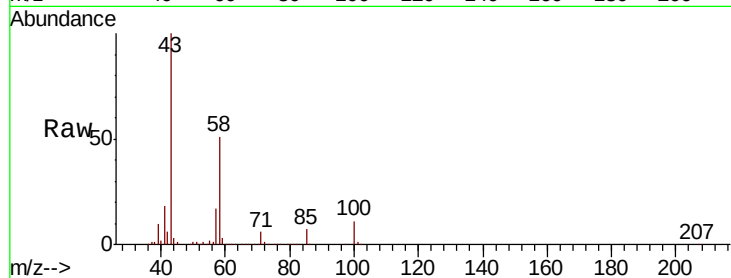
58 50.9 25.6 76.6

Manual Integrations

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#60

Dibromochloromethane

Concen: 139.460 ug/l

RT: 8.75 min Scan# 824

Delta R.T. 0.01 min

Lab File: VF060832.D

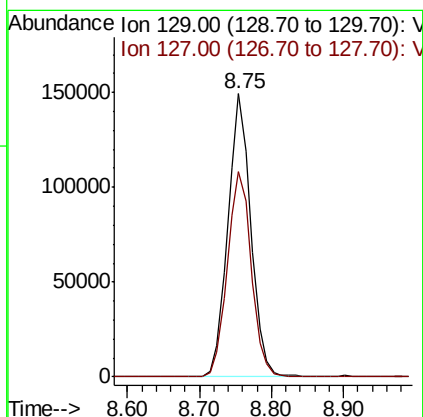
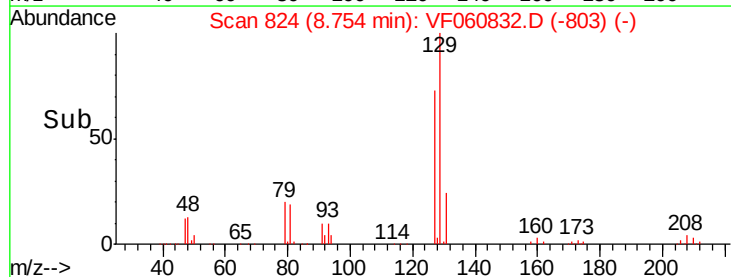
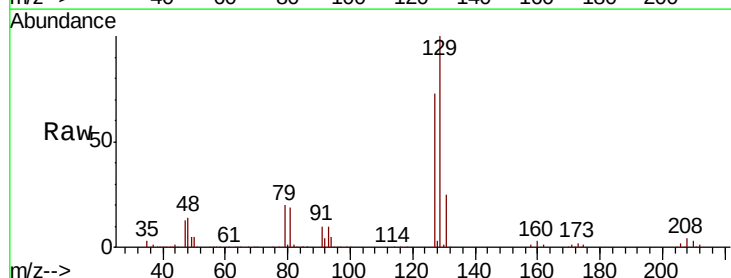
Acq: 26 Nov 2018 19:57

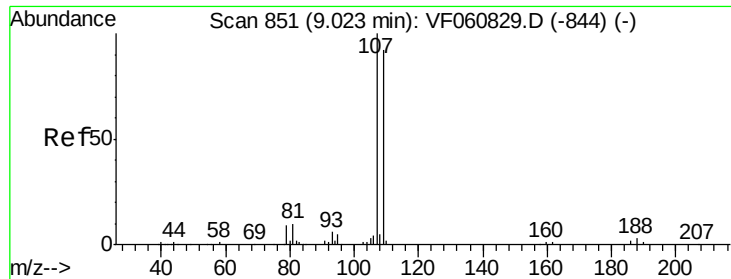
Tgt Ion: 129 Resp: 331915

Ion Ratio Lower Upper

129 100

127 72.6 37.3 111.9





#61

1,2-Dibromoethane

Concen: 132.936 ug/l

RT: 9.02 min Scan# 851

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 230928

Ion Ratio Lower Upper

107 100

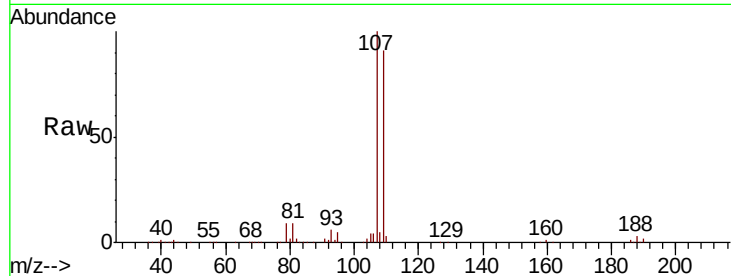
109 91.3 73.6 110.4

Manual Integrations

APPROVED

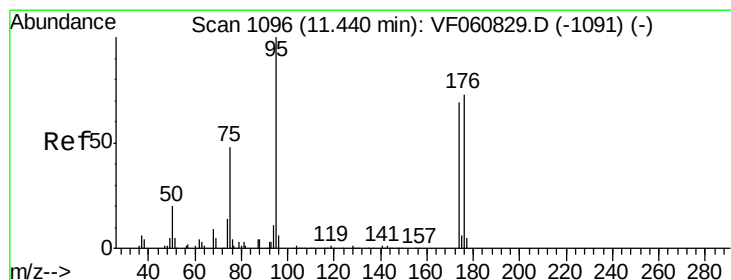
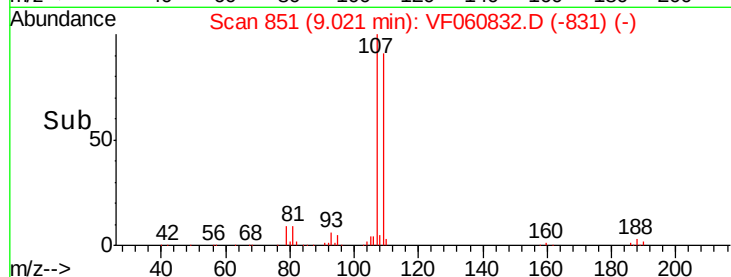
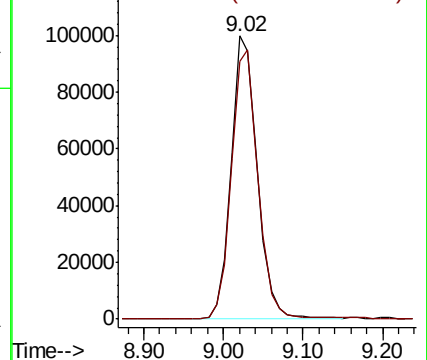
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 131.038 ug/l

RT: 11.44 min Scan# 1096

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

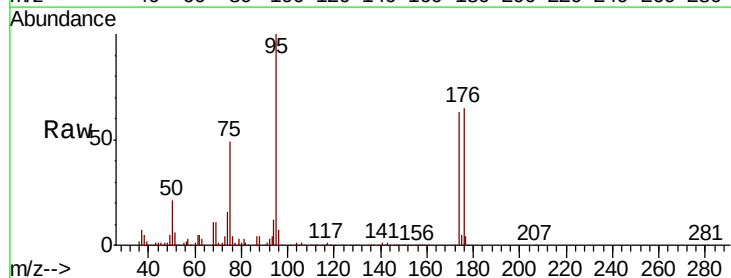
Tgt Ion: 95 Resp: 454572

Ion Ratio Lower Upper

95 100

174 63.4 0.0 138.2

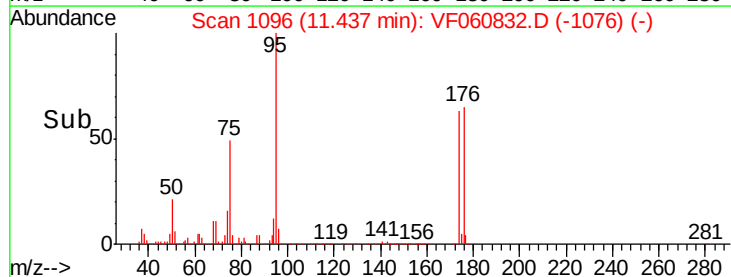
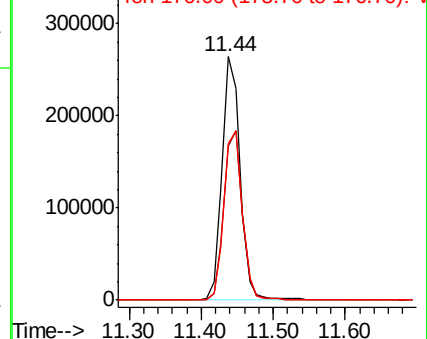
176 64.5 0.0 146.2

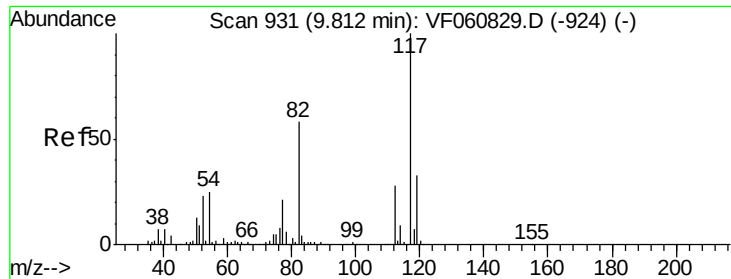


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





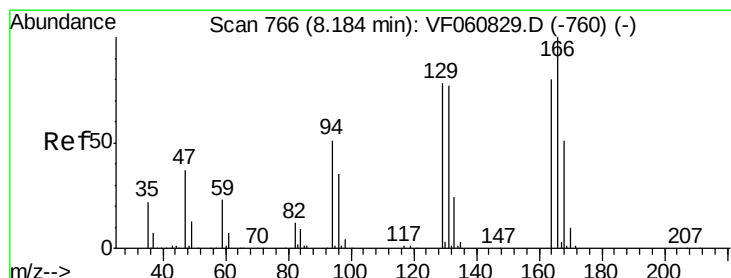
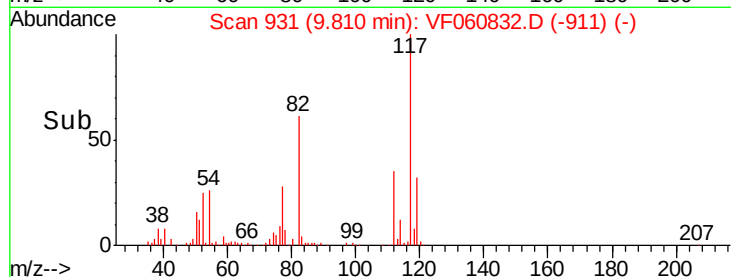
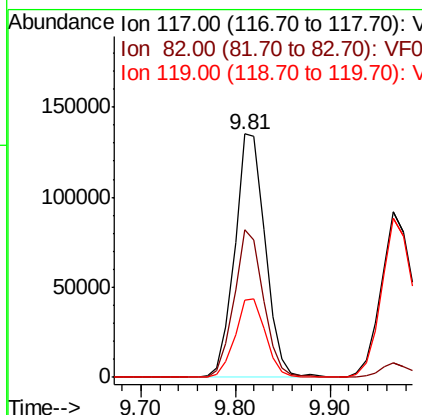
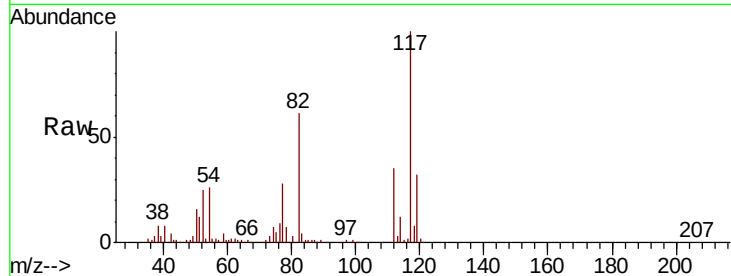
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.81 min Scan# 931
Delta R.T. -0.00 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	302857		
82	60.6		46.6	69.8
119	31.8		26.4	39.6

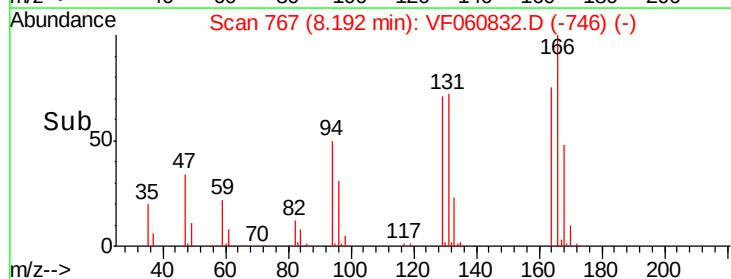
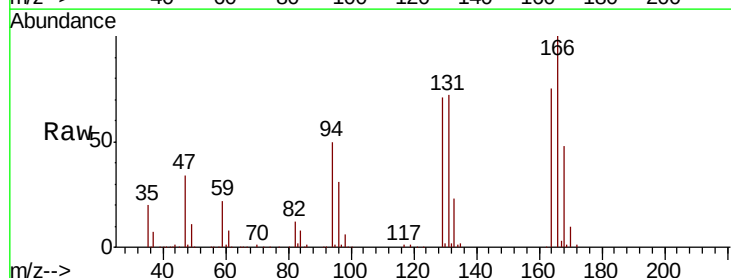
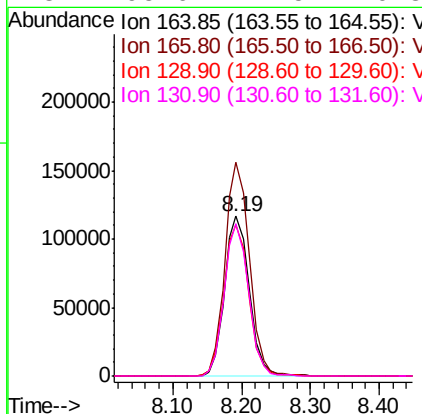
Manual Integrations
APPROVED

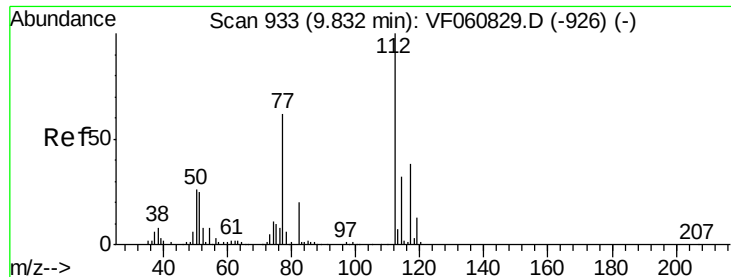
apatel
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#64
Tetrachloroethene
Concen: 124.439 ug/l
RT: 8.19 min Scan# 767
Delta R.T. 0.01 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	289459		
166	133.6		100.3	150.5
129	94.5		77.9	116.9
131	95.6		77.5	116.3





#65

Chlorobenzene

Concen: 125.111 ug/l

RT: 9.84 min Scan# 934

Delta R.T. 0.01 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 760263

Ion Ratio Lower Upper

112 100

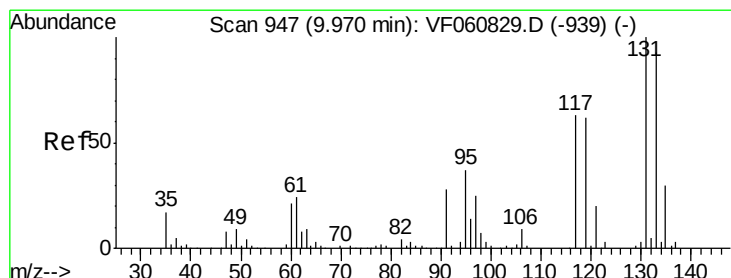
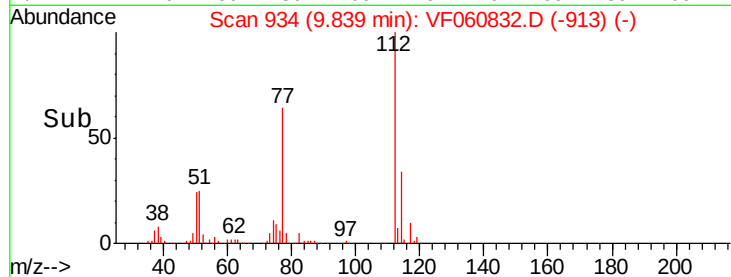
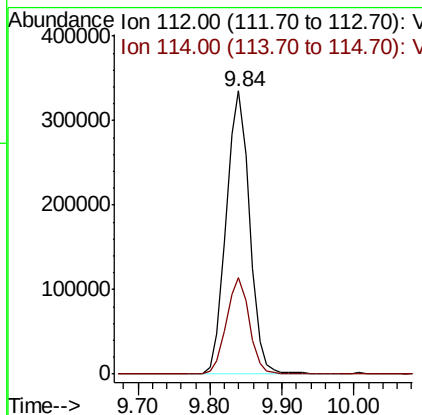
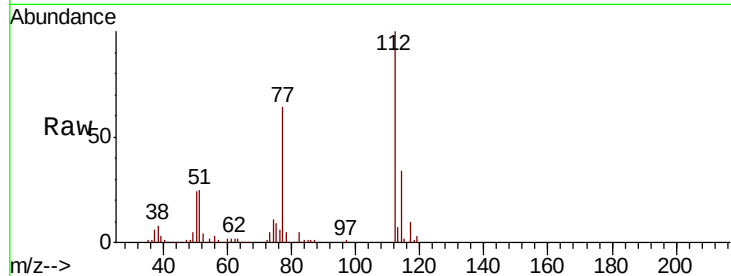
114 34.1 26.0 39.0

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 123.752 ug/l

RT: 9.97 min Scan# 947

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

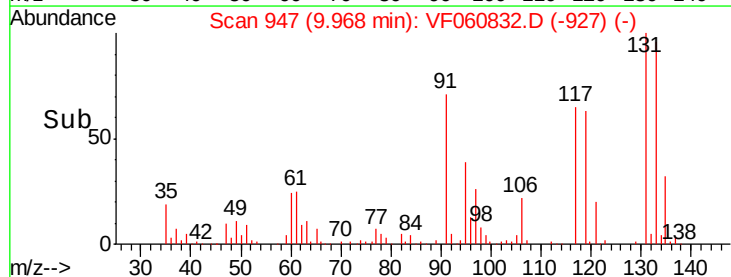
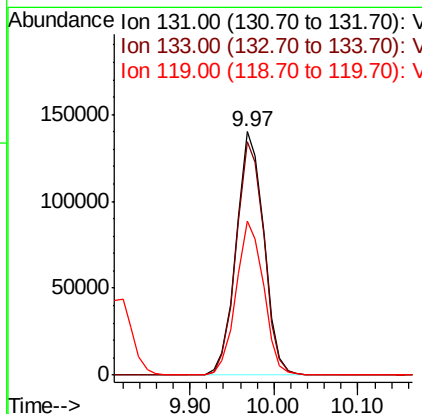
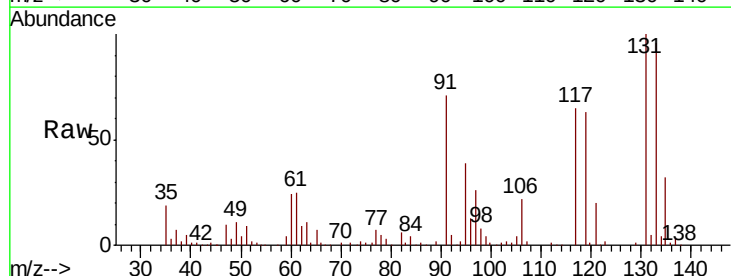
Tgt Ion:131 Resp: 322011

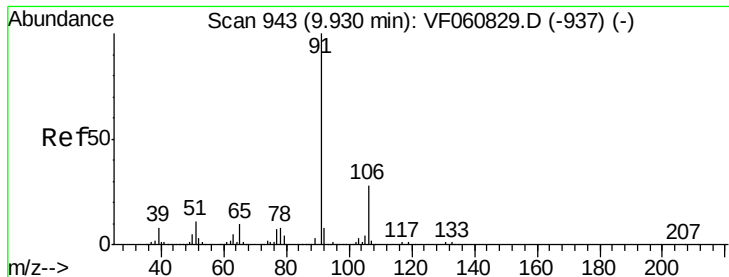
Ion Ratio Lower Upper

131 100

133 95.8 46.5 139.3

119 63.2 31.1 93.3





#67

Ethyl Benzene

Concen: 112.709 ug/l

RT: 9.94 min Scan# 944

Delta R.T. 0.01 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1282744

Ion Ratio Lower Upper

91 100

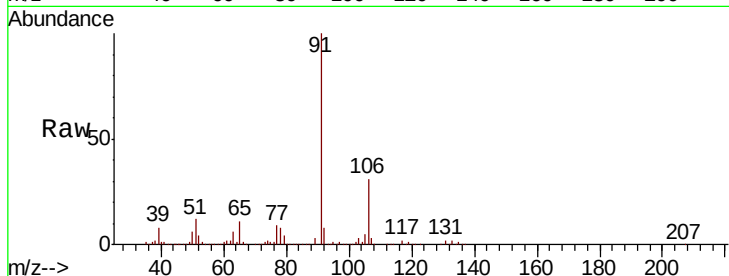
106 31.1 22.2 33.2

Manual Integrations

APPROVED

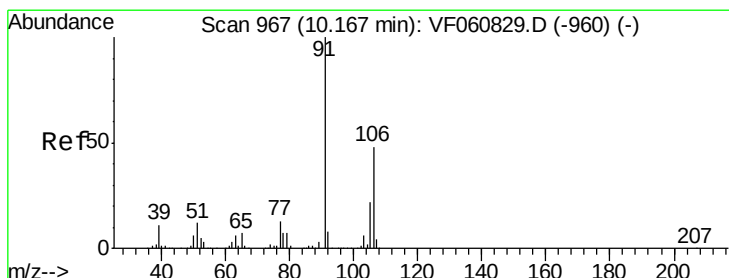
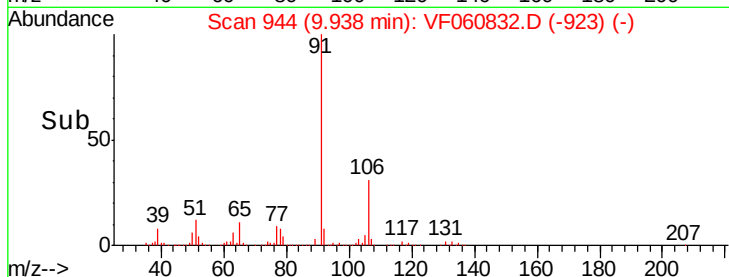
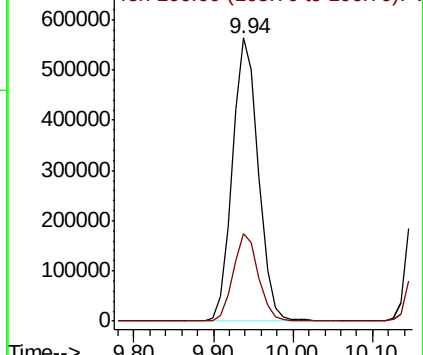
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 236.319 ug/l

RT: 10.17 min Scan# 968

Delta R.T. 0.01 min

Lab File: VF060832.D

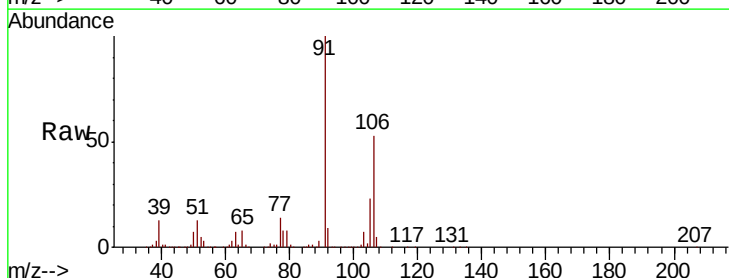
Acq: 26 Nov 2018 19:57

Tgt Ion: 106 Resp: 957783

Ion Ratio Lower Upper

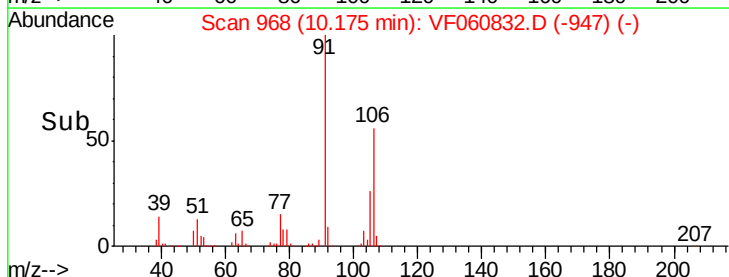
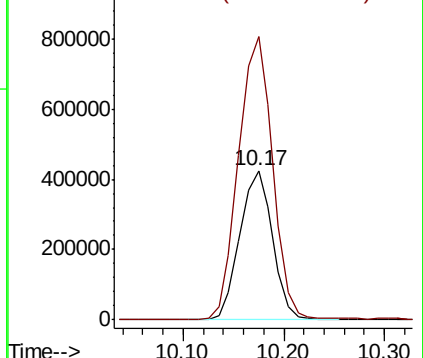
106 100

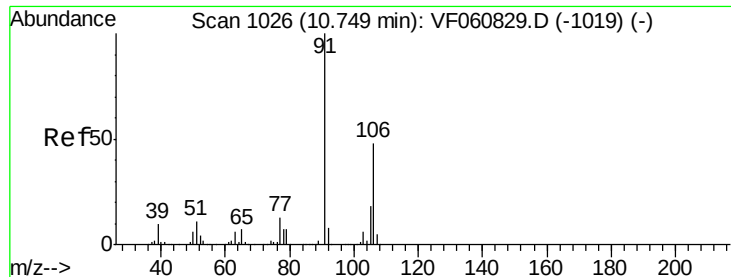
91 190.0 166.7 250.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





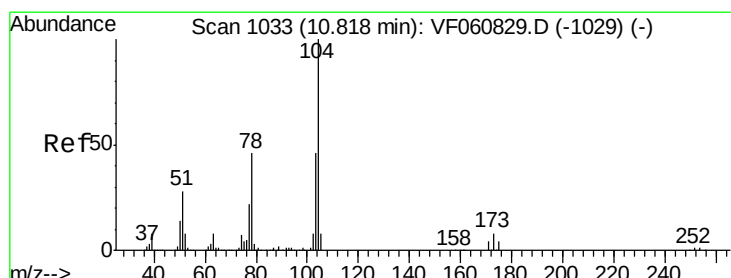
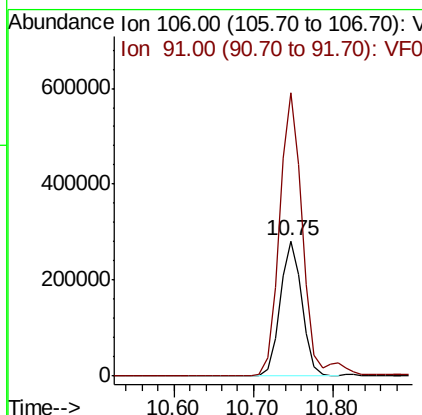
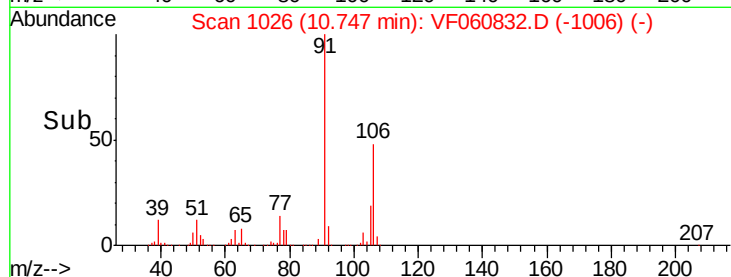
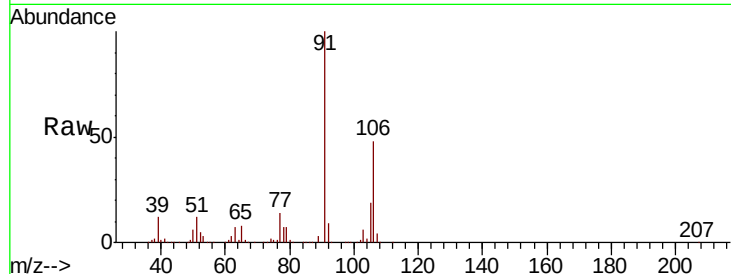
#69
o-Xylene
Concen: 118.782 ug/l
RT: 10.75 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.2	104.8	314.6

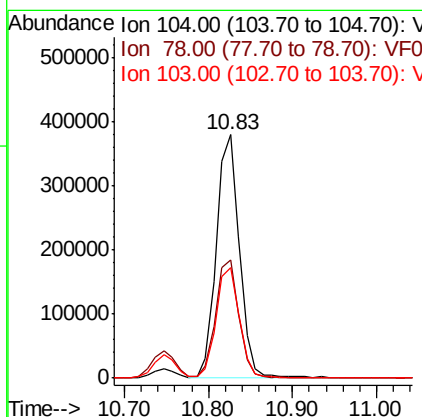
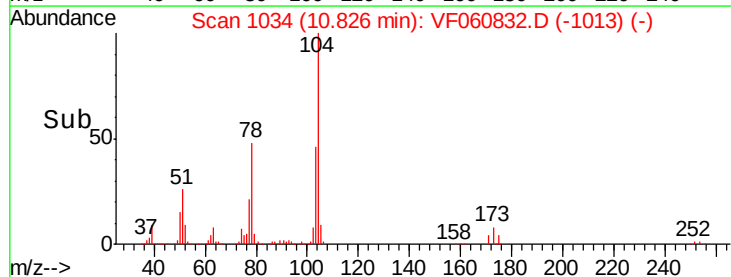
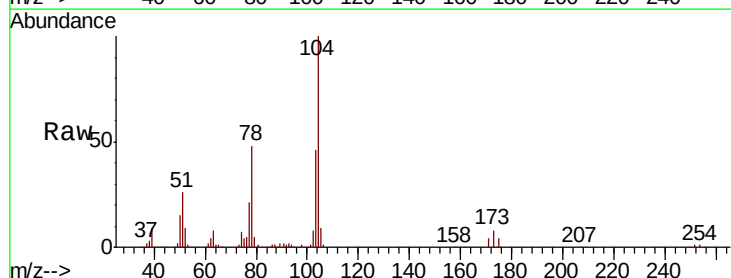
Manual Integrations
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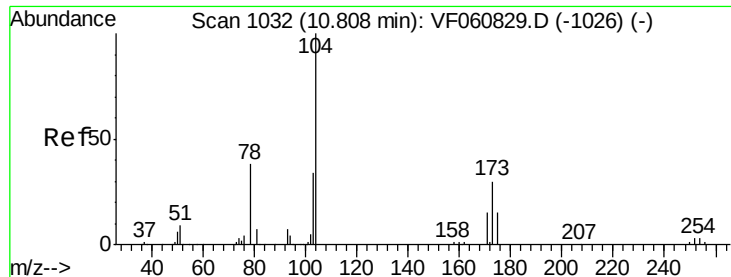
apatel
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#70
Styrene
Concen: 116.059 ug/l
RT: 10.83 min Scan# 1034
Delta R.T. 0.01 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.3	37.3	55.9
103	45.6	36.8	55.2





#71

Bromoform

Concen: 144.995 ug/l

RT: 10.81 min Scan# 1032

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

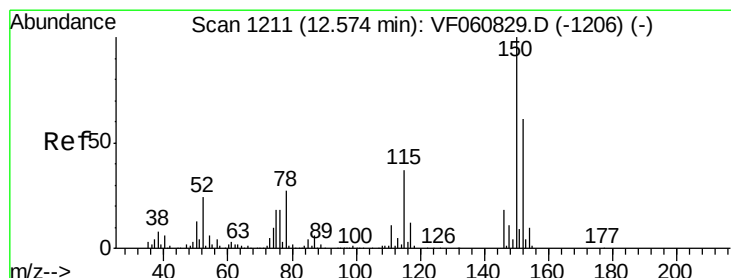
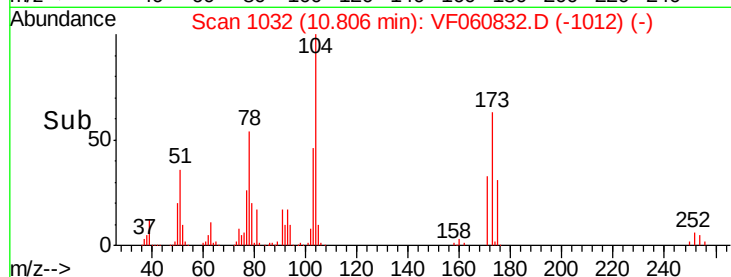
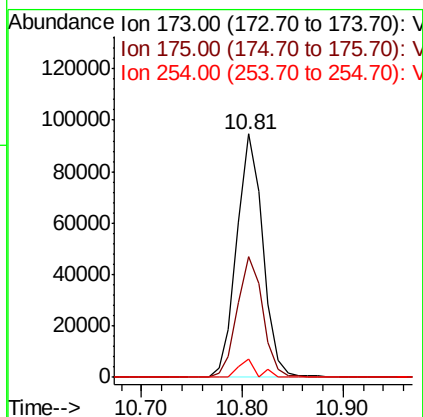
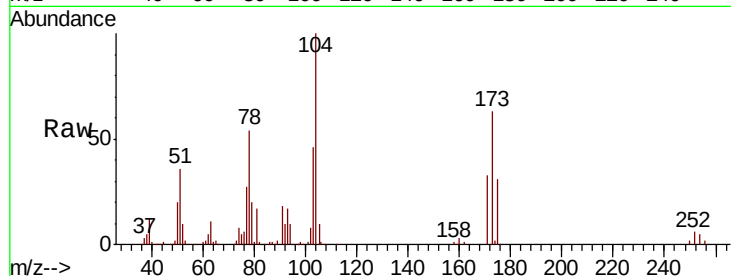
ClientSampleId :

VSTDIC150

Tot Ion:	173	Resp:	171421
Ion Ratio	Lower	Upper	
173	100		
175	49.8	25.5	76.5
254	7.6	7.5	11.3

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

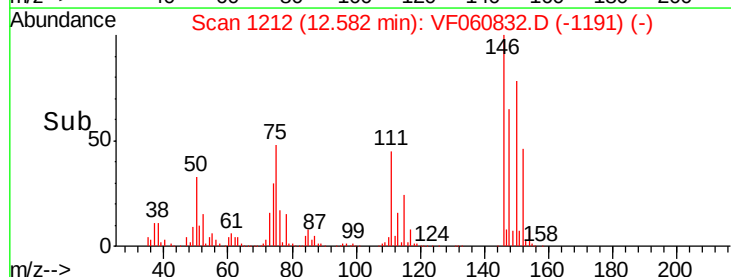
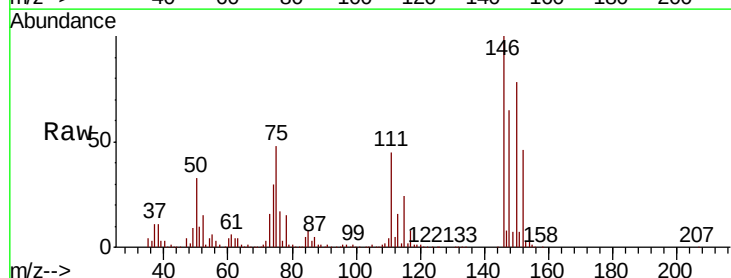
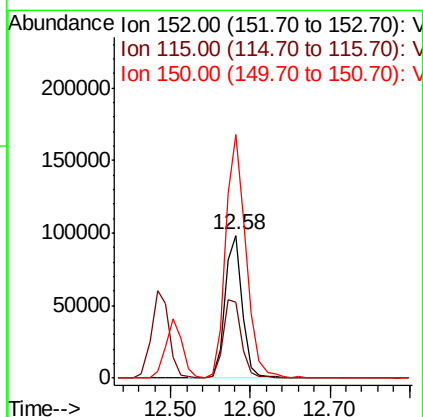
RT: 12.58 min Scan# 1212

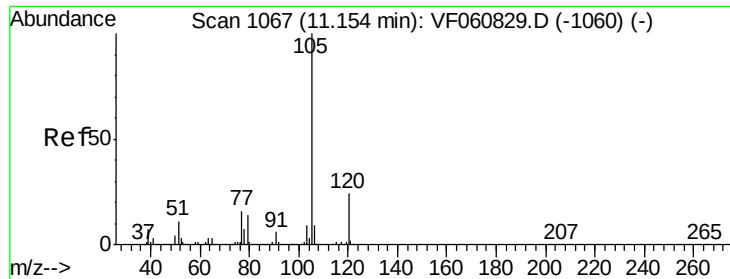
Delta R.T. 0.01 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Tgt Ion:	152	Resp:	151307
Ion Ratio	Lower	Upper	
152	100		
115	52.8	30.1	90.5
150	170.1	0.0	327.6





#73

Isopropylbenzene

Concen: 117.680 ug/l

RT: 11.15 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1426877

Ion Ratio Lower Upper

105 100

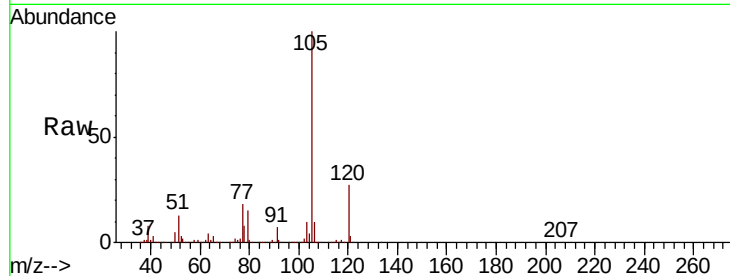
120 26.8 12.2 36.4

Manual Integrations

APPROVED

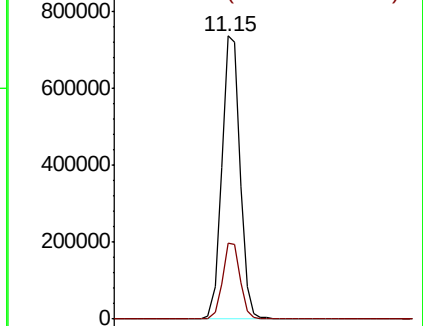
apatel

11/27/2018 3:17:12 PM

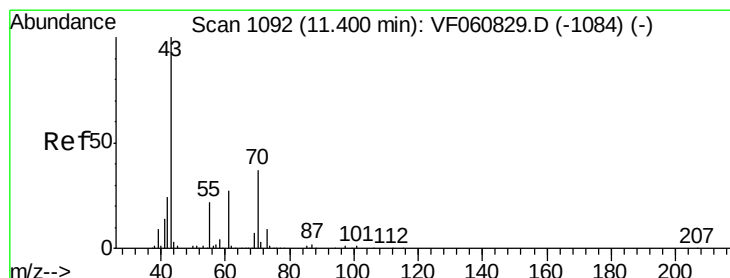
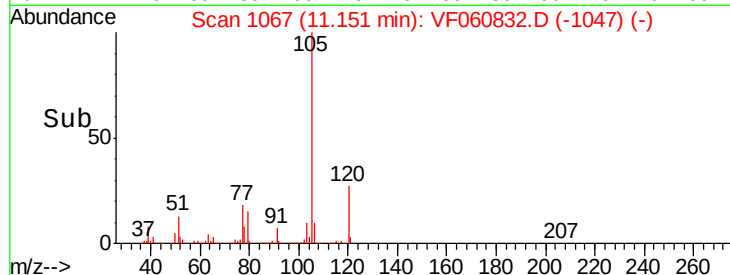


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time--> 11.00 11.20



#74

N-ethyl acetate

Concen: 126.484 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Tgt Ion: 43 Resp: 353889

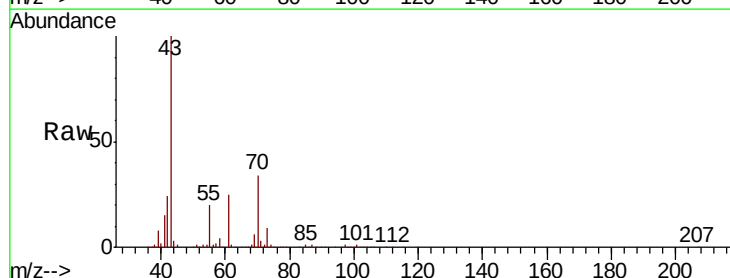
Ion Ratio Lower Upper

43 100

70 34.3 29.6 44.4

55 19.7 17.2 25.8

61 24.9 21.8 32.6

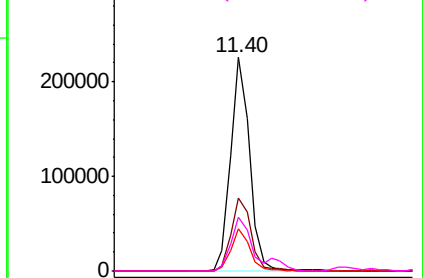


Abundance Ion 43.00 (42.70 to 43.70): VF0

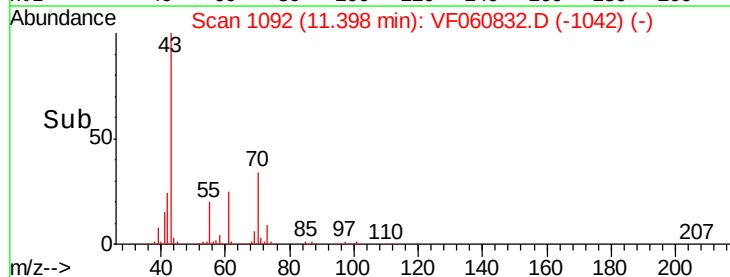
Ion 70.00 (69.70 to 70.70): VF0

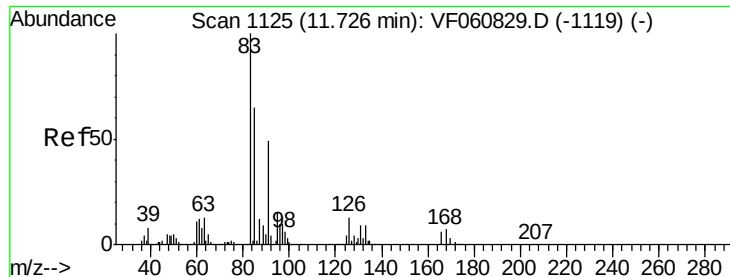
Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



Time--> 11.30 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 134.310 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 268349

Ion Ratio Lower Upper

83 100

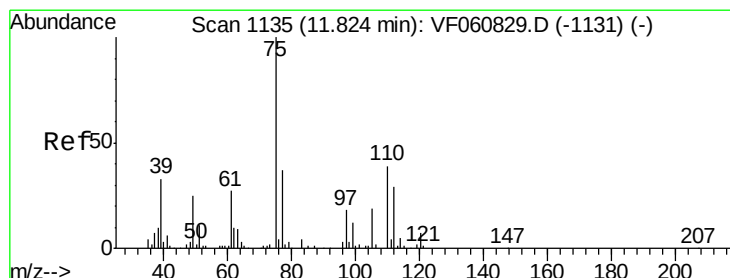
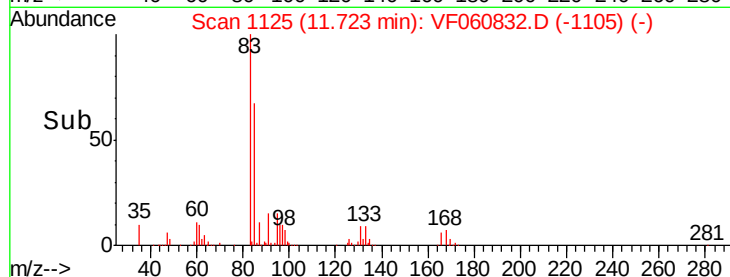
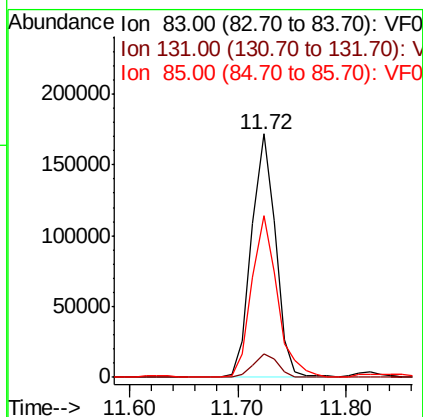
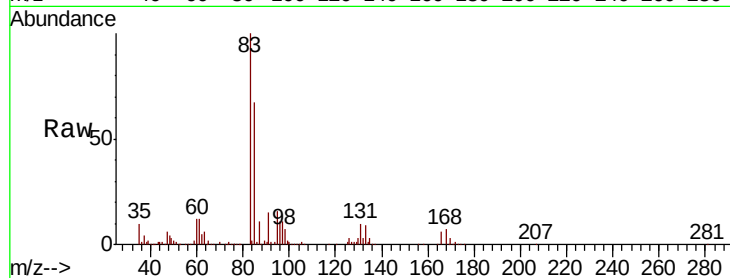
131 9.8 4.7 14.1

85 66.5 32.6 97.8

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#76

1,2,3-Trichloropropane

Concen: 128.725 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VF060832.D

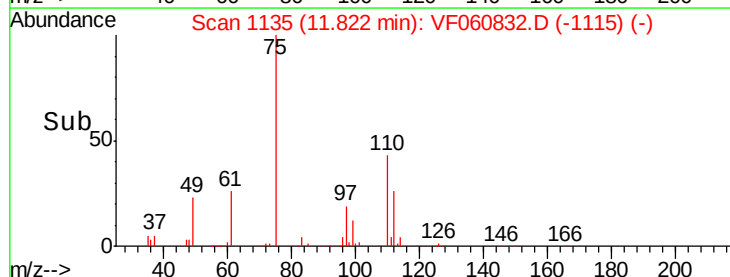
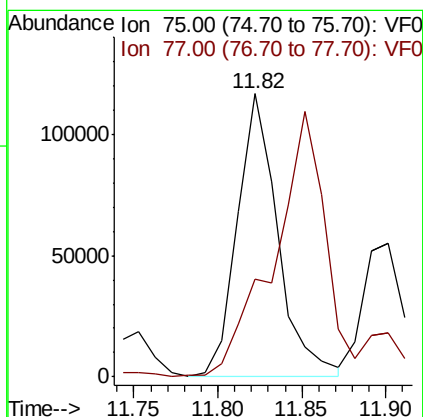
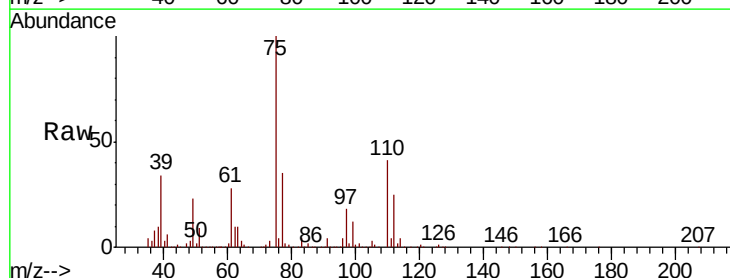
Acq: 26 Nov 2018 19:57

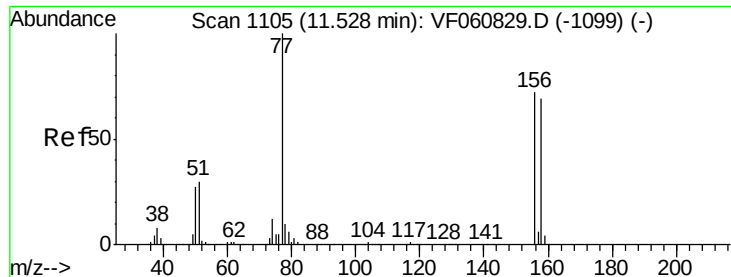
Tgt Ion: 75 Resp: 193258

Ion Ratio Lower Upper

75 100

77 34.6 18.4 55.4





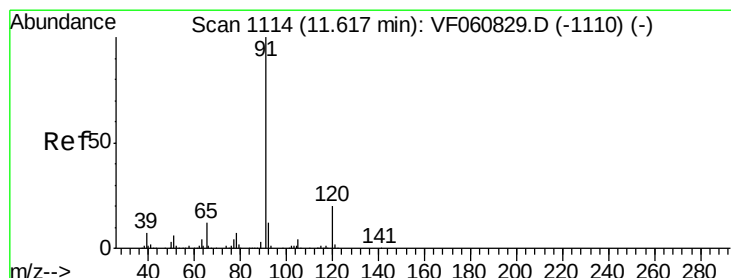
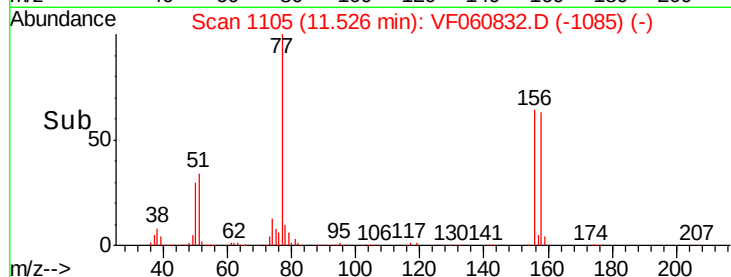
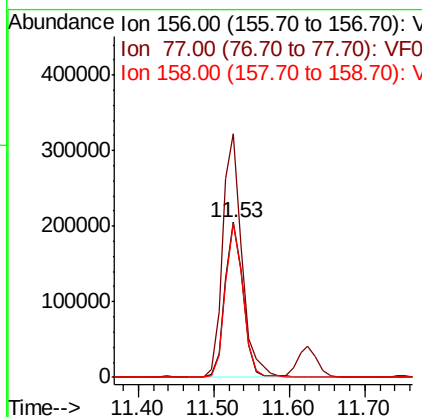
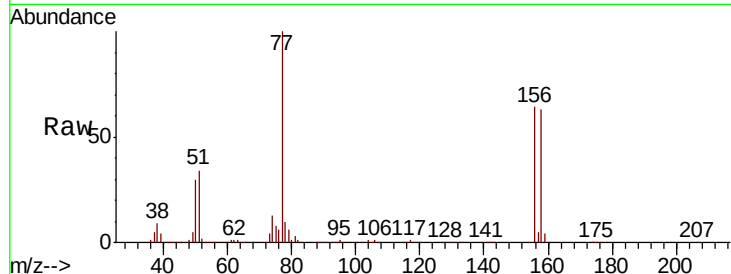
#77
Bromobenzene
Concen: 132.768 ug/l
RT: 11.53 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	156.9	69.7	209.0	
158	98.9	47.8	143.4	

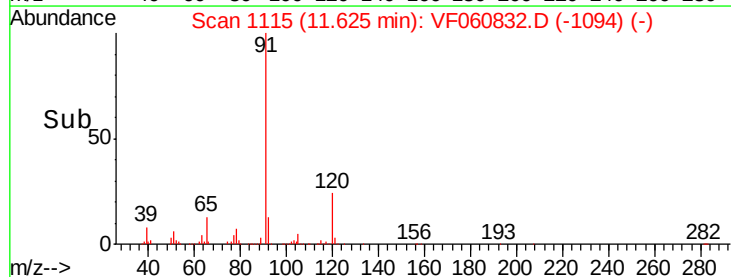
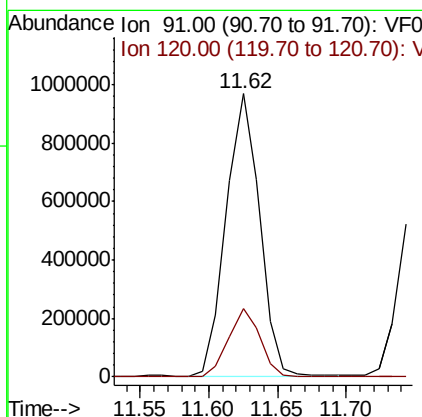
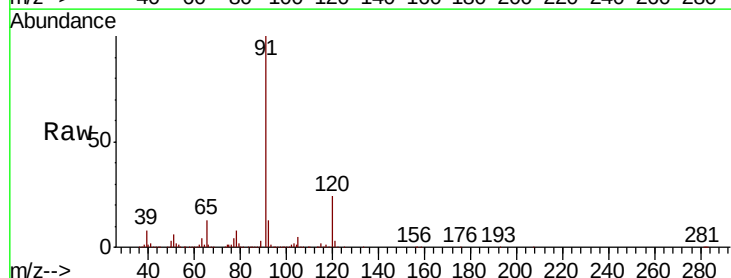
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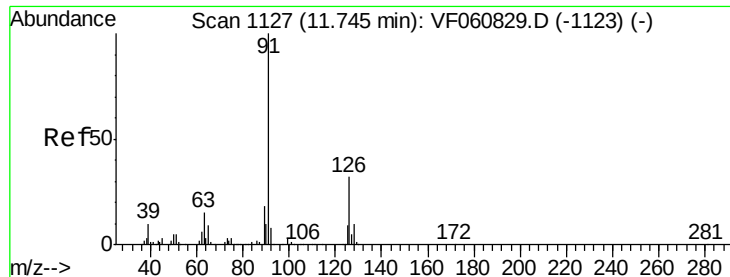
apatel
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#78
n-propylbenzene
Concen: 114.829 ug/l
RT: 11.62 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.0	10.3	30.8	





#79

2-Chlorotoluene

Concen: 121.107 ug/l

RT: 11.75 min Scan# 1128

Delta R.T. 0.01 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 997169

Ion Ratio Lower Upper

91 100

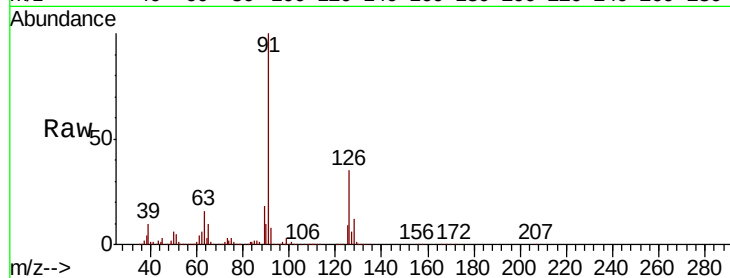
126 34.8 15.9 47.6

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Abundance Ion 91.00 (90.70 to 91.70): VF060832.D (-1123) (-)

Ion 126.00 (125.70 to 126.70): VF060832.D (-1123) (-)

800000

600000

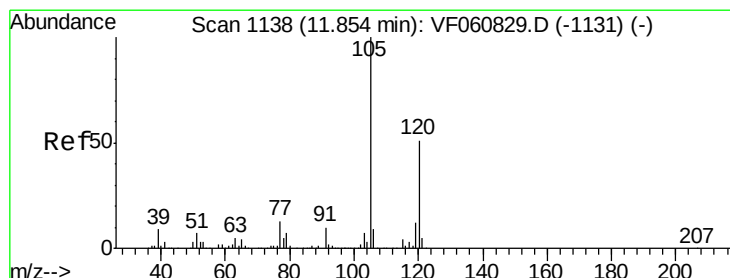
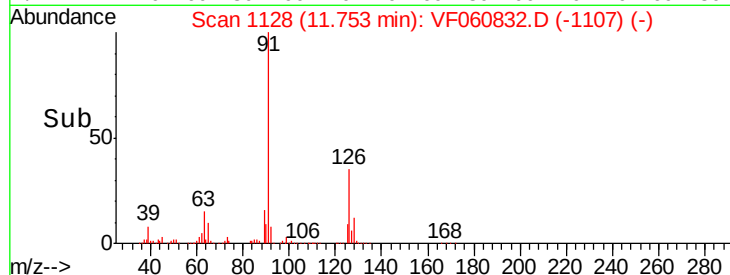
400000

200000

0

11.70 11.75 11.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 119.901 ug/l

RT: 11.85 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VF060832.D

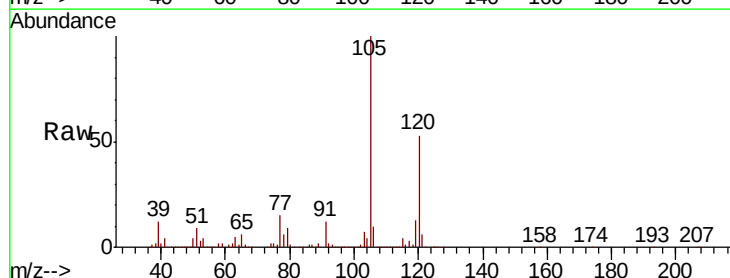
Acq: 26 Nov 2018 19:57

Tgt Ion:105 Resp: 1159385

Ion Ratio Lower Upper

105 100

120 53.5 25.8 77.3



Abundance Ion 105.00 (104.70 to 105.70): VF060832.D (-1131) (-)

Ion 120.00 (119.70 to 120.70): VF060832.D (-1131) (-)

800000

600000

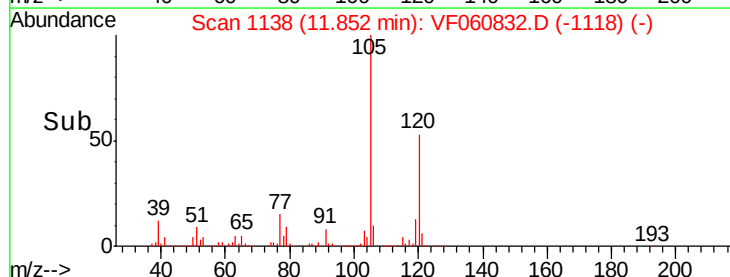
400000

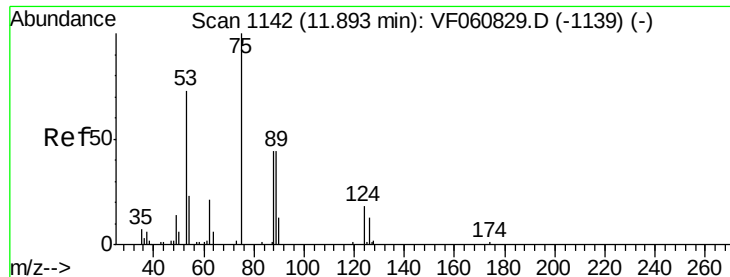
200000

0

11.70 11.80 11.90 12.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 135.769 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 98839

Ion Ratio Lower Upper

75 100

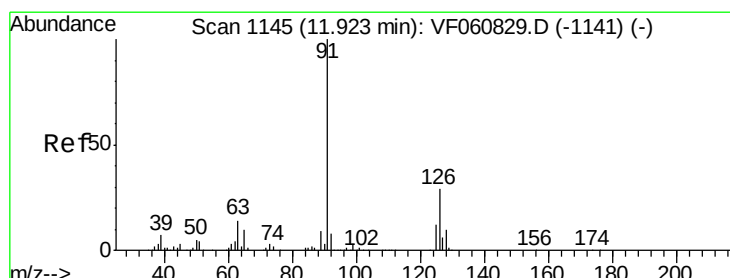
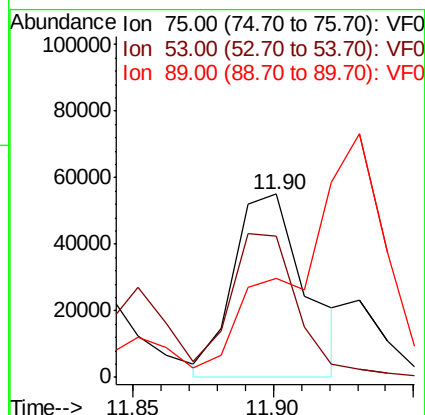
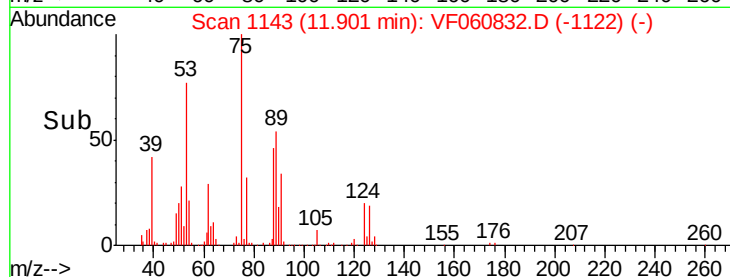
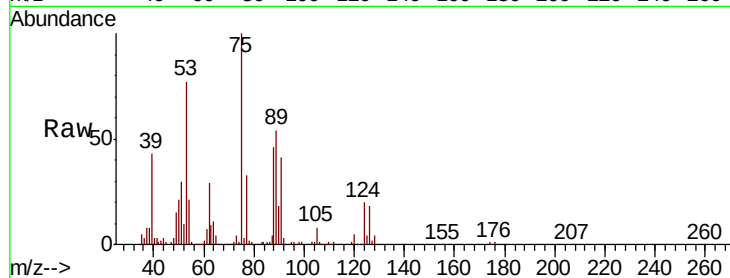
53 77.1 65.9 98.9

89 54.2 38.8 58.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 121.874 ug/l

RT: 11.93 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VF060832.D

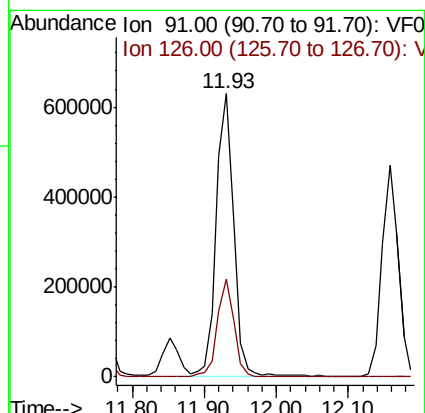
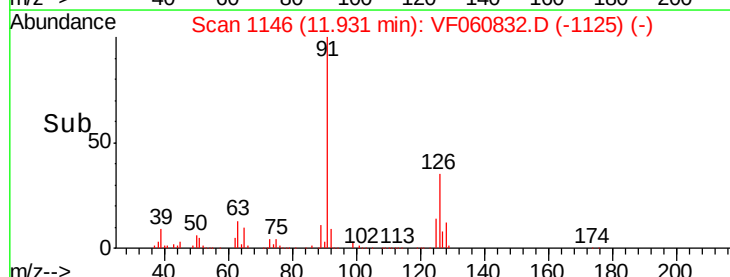
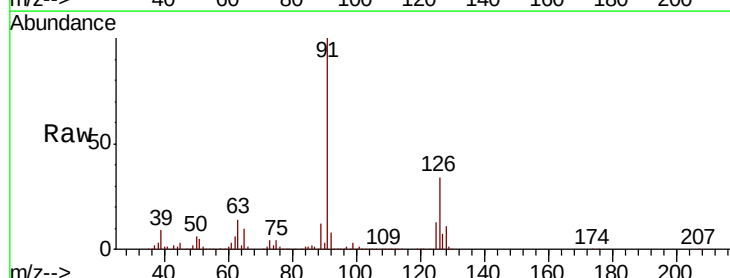
Acq: 26 Nov 2018 19:57

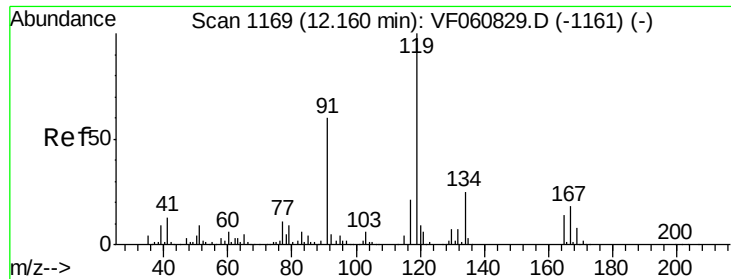
Tgt Ion: 91 Resp: 1031112

Ion Ratio Lower Upper

91 100

126 34.4 14.8 44.4





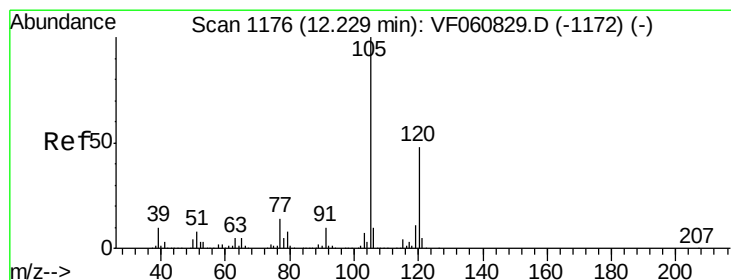
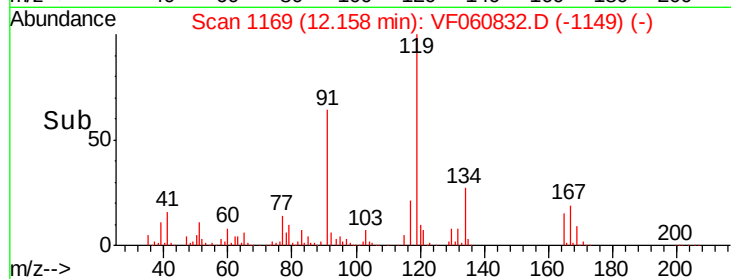
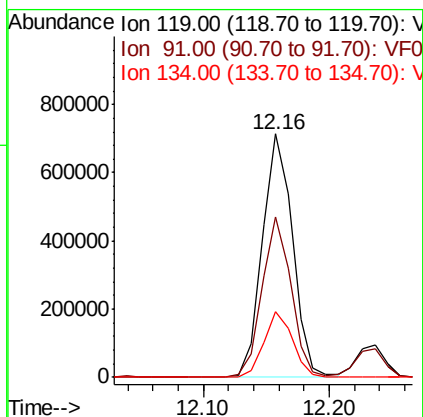
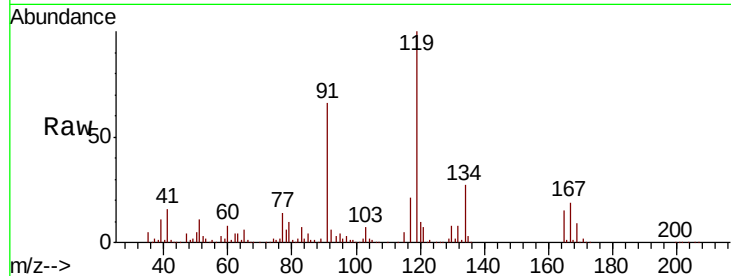
#83
 tert-Butylbenzene
 Concen: 118.166 ug/l
 RT: 12.16 min Scan# 1169
 Delta R.T. -0.00 min
 Lab File: VF060832.D
 Acq: 26 Nov 2018 19:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.1	30.1	90.3
134	27.1	12.6	37.8

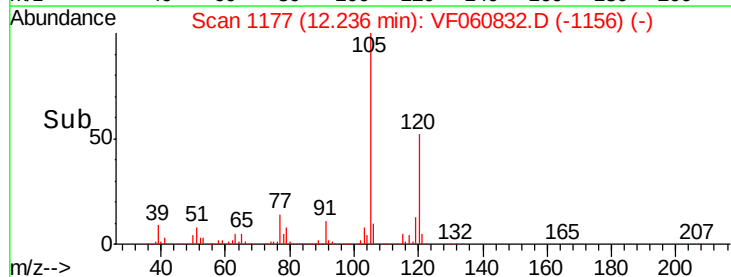
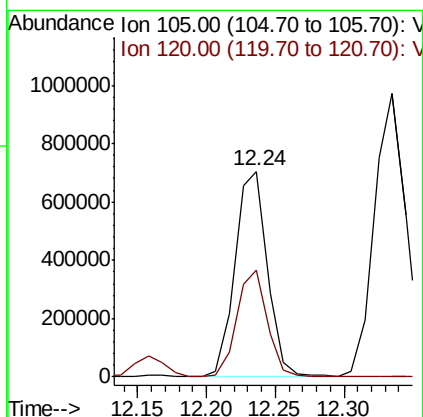
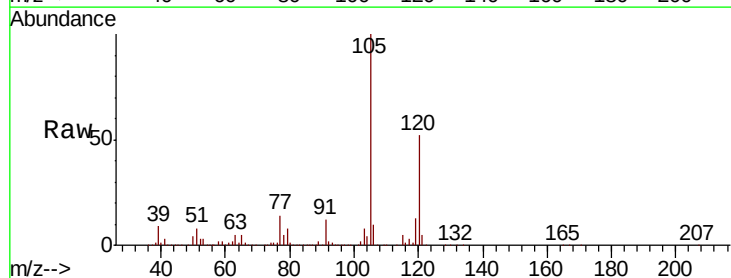
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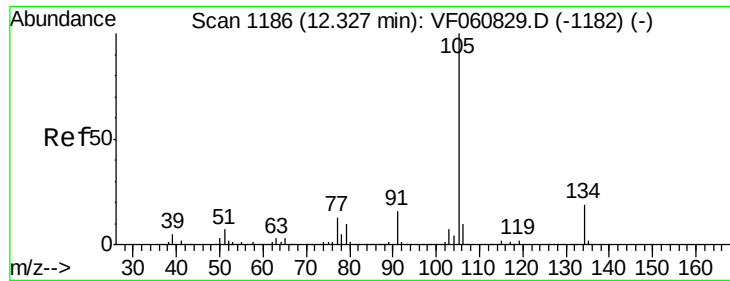
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#84
 1,2,4-Trimethylbenzene
 Concen: 115.253 ug/l
 RT: 12.24 min Scan# 1177
 Delta R.T. 0.01 min
 Lab File: VF060832.D
 Acq: 26 Nov 2018 19:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	52.1	23.8	71.5





#85

sec-Butylbenzene

Concen: 112.625 ug/l

RT: 12.34 min Scan# 1187

Delta R.T. 0.01 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1557949

Ion Ratio Lower Upper

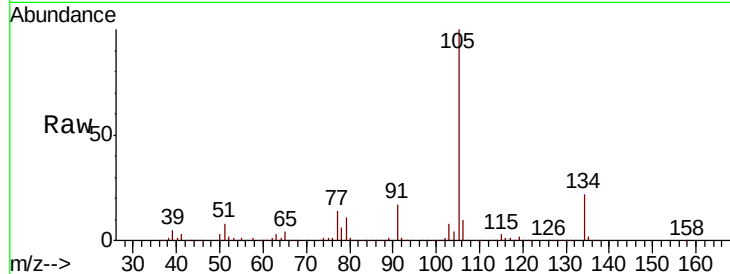
105 100

134 22.3 9.5 28.5

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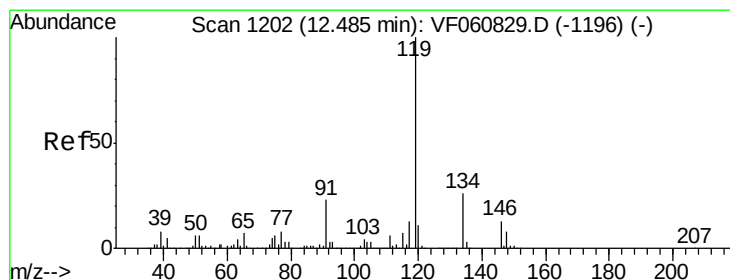
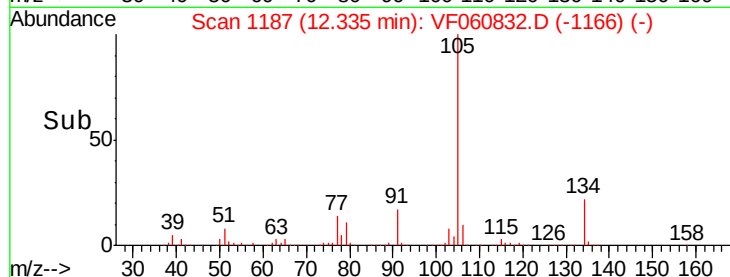
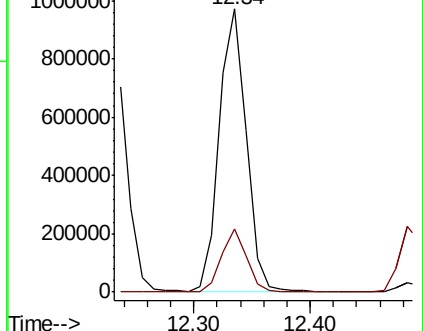
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 110.404 ug/l

RT: 12.48 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

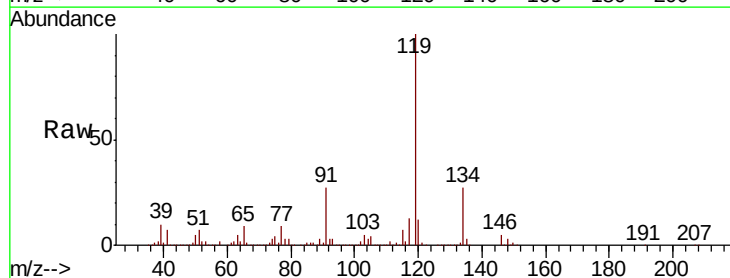
Tgt Ion:119 Resp: 1267815

Ion Ratio Lower Upper

119 100

134 27.3 12.9 38.6

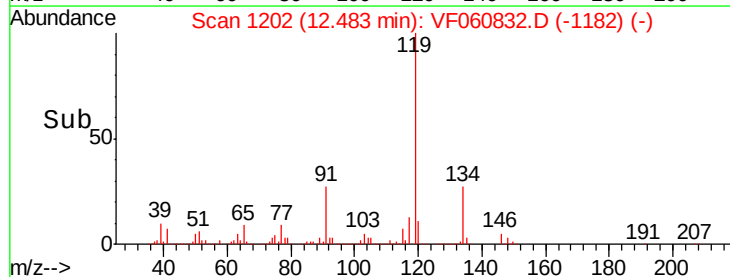
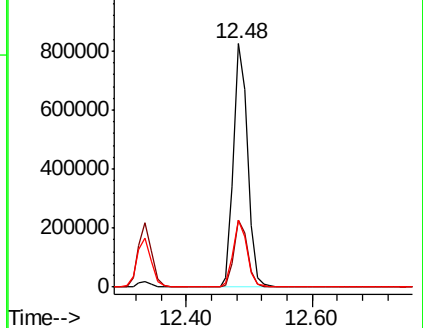
91 27.4 11.8 35.3

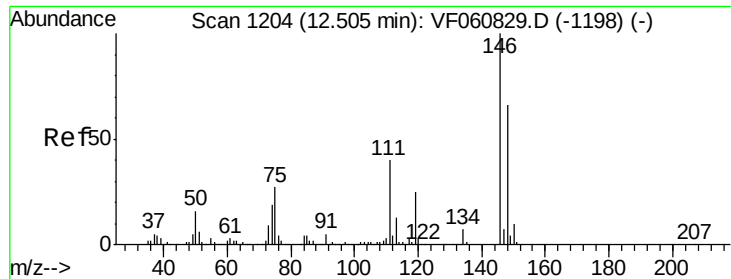


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





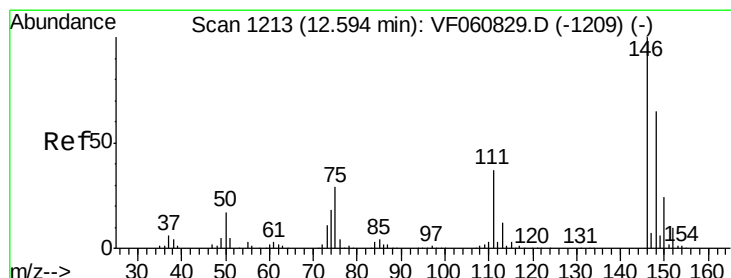
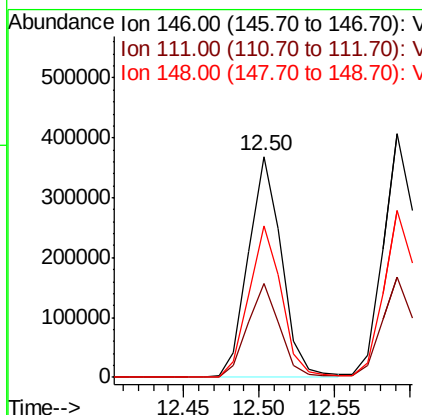
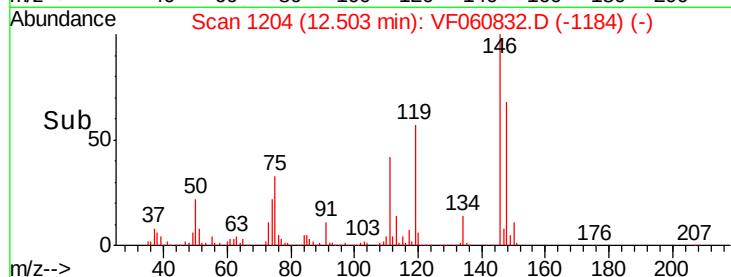
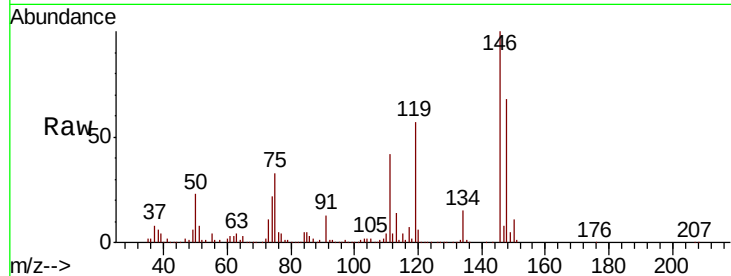
#87
 1,3-Dichlorobenzene
 Concen: 112.299 ug/l
 RT: 12.50 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: VF060832.D
 Acq: 26 Nov 2018 19:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.0	59.9
148	68.3	32.9	98.6

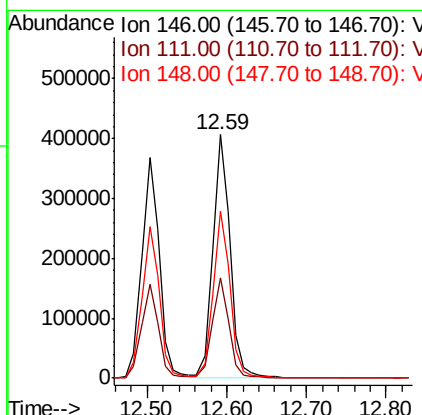
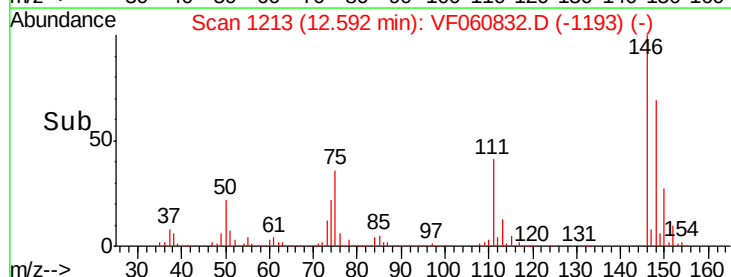
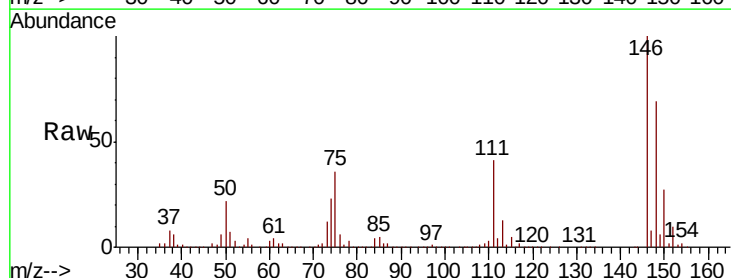
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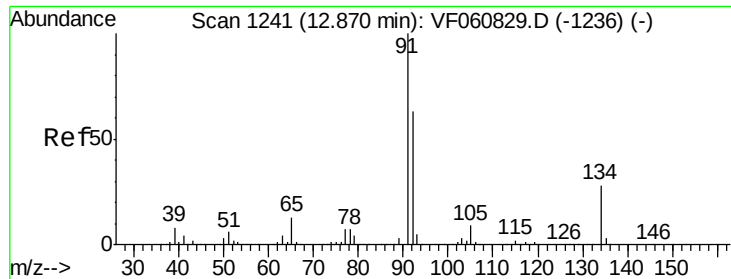
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#88
 1,4-Dichlorobenzene
 Concen: 128.869 ug/l
 RT: 12.59 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: VF060832.D
 Acq: 26 Nov 2018 19:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	18.9	56.7
148	68.6	32.3	96.9





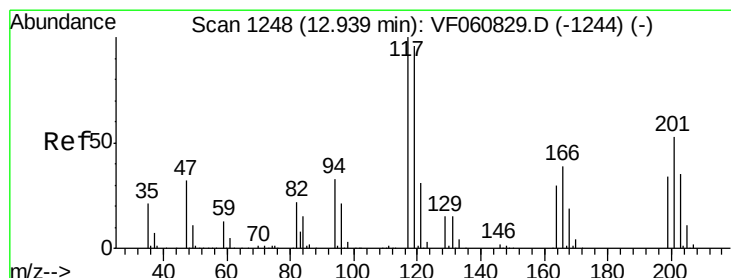
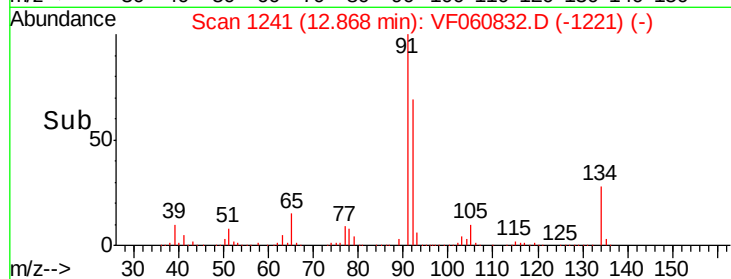
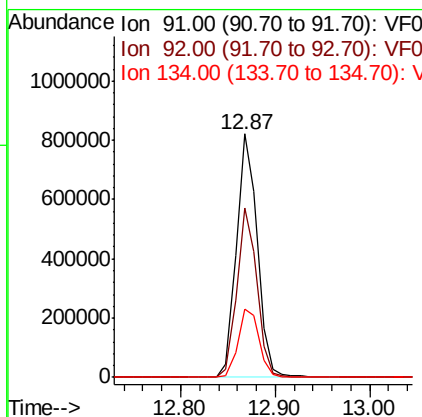
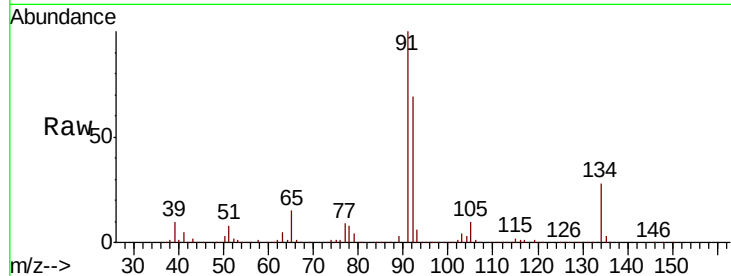
#89
n-Butylbenzene
Concen: 105.563 ug/l
RT: 12.87 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1256504
Ion Ratio Lower Upper
91 100
92 69.4 31.6 94.7
134 28.2 13.8 41.4

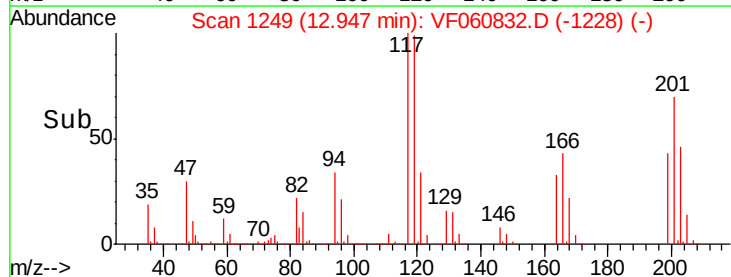
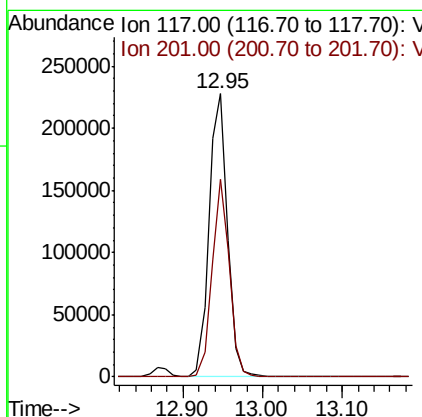
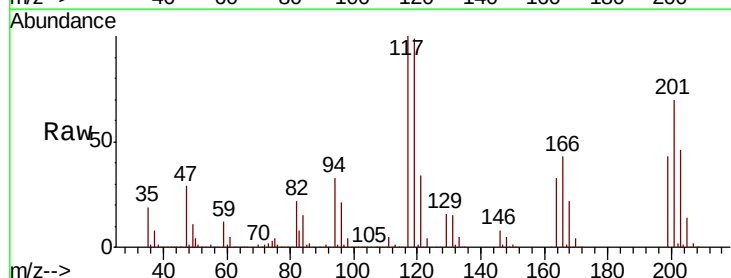
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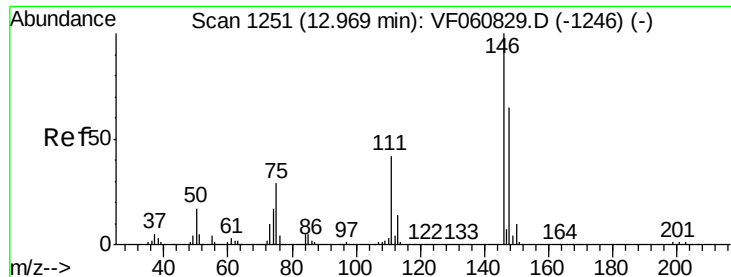
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#90
Hexachloroethane
Concen: 131.057 ug/l
RT: 12.95 min Scan# 1249
Delta R.T. 0.01 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

Tgt Ion: 117 Resp: 368697
Ion Ratio Lower Upper
117 100
201 69.8 26.7 80.1





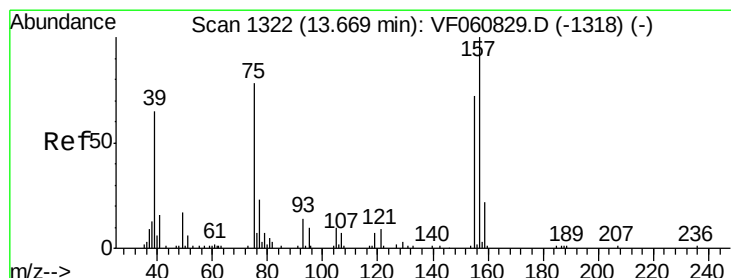
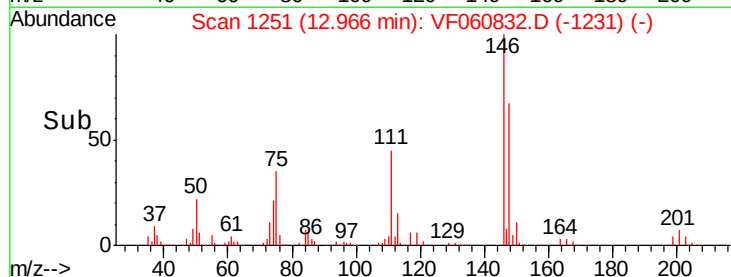
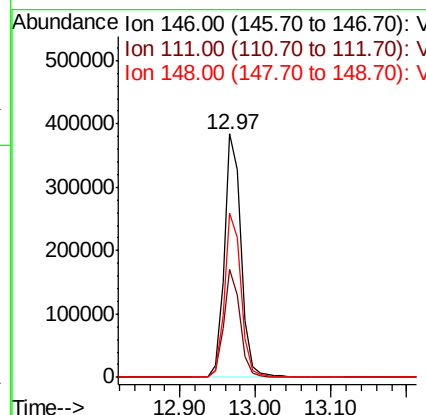
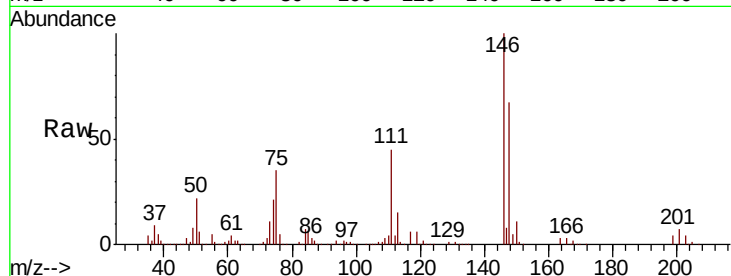
#91
 1,2-Dichlorobenzene
 Concen: 124.571 ug/l
 RT: 12.97 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VF060832.D
 Acq: 26 Nov 2018 19:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	21.2	63.6
148	67.4	32.5	97.5

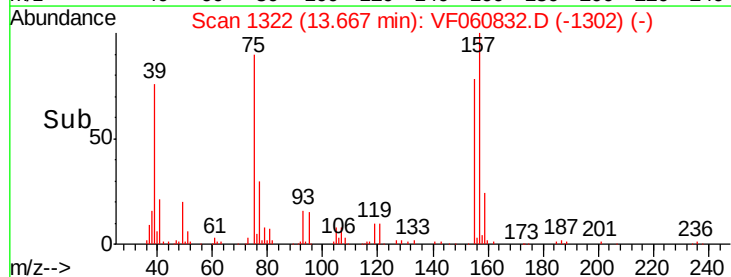
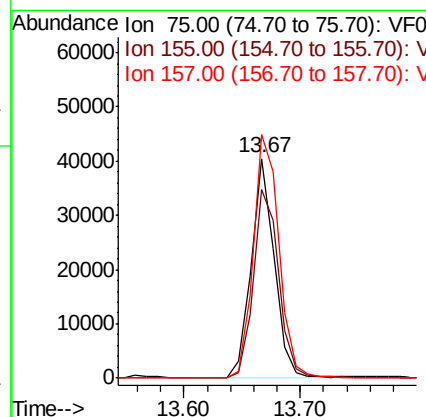
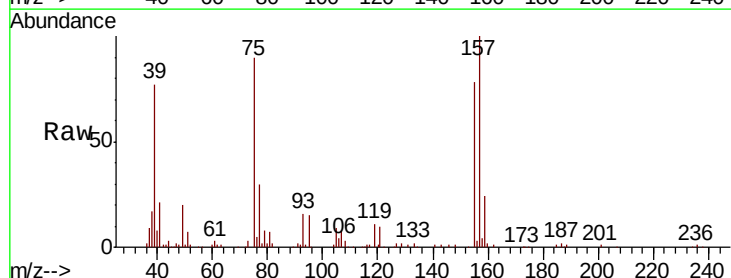
Manual Integrations
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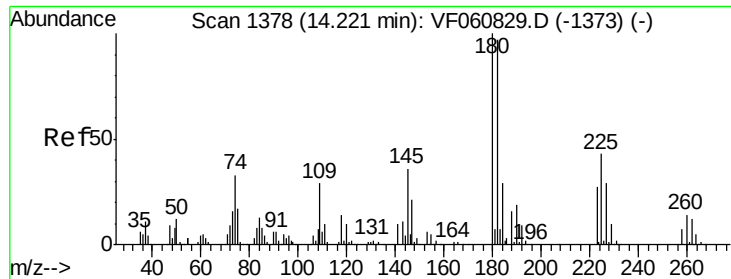
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 149.603 ug/l
 RT: 13.67 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VF060832.D
 Acq: 26 Nov 2018 19:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.1	45.6	136.9
157	111.0	63.8	191.5





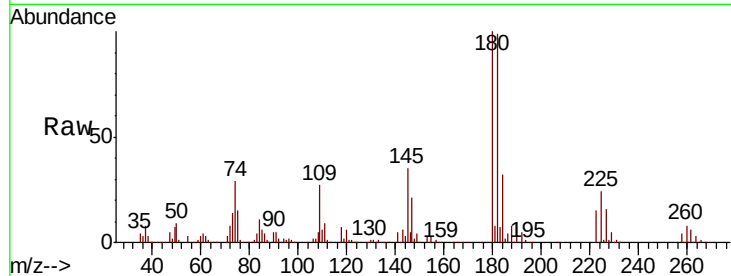
#93
 1,2,4-Trichlorobenzene
 Concen: 122.128 ug/l
 RT: 14.23 min Scan# 1379
 Delta R.T. 0.01 min
 Lab File: VF060832.D
 Acq: 26 Nov 2018 19:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	413220		
182	98.9	48.5	145.5	
145	35.2	18.1	54.3	

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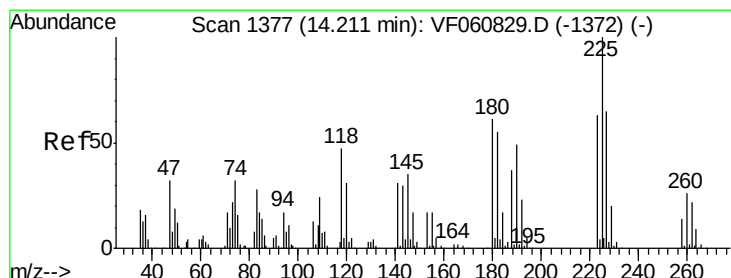
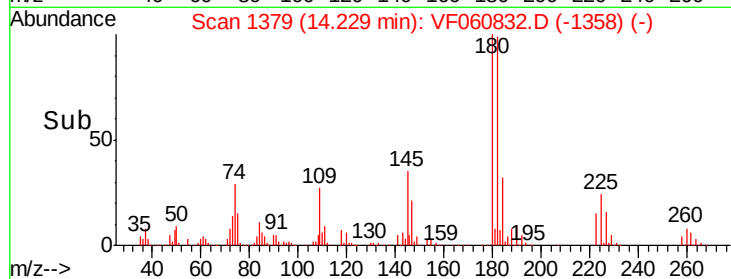
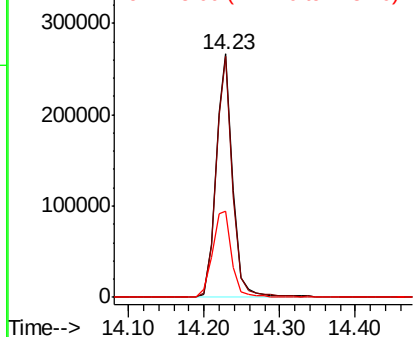


Abundance

Ion 180.00 (179.70 to 180.70): V

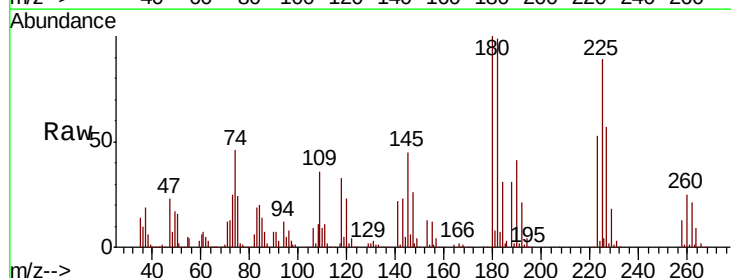
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 128.699 ug/l
 RT: 14.22 min Scan# 1378
 Delta R.T. 0.01 min
 Lab File: VF060832.D
 Acq: 26 Nov 2018 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	282509		
223	59.2	31.4	94.3	
227	64.0	32.5	97.5	

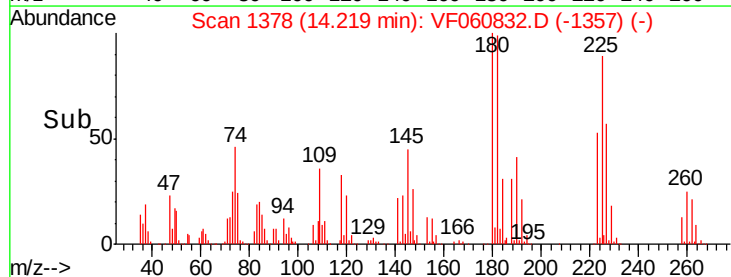
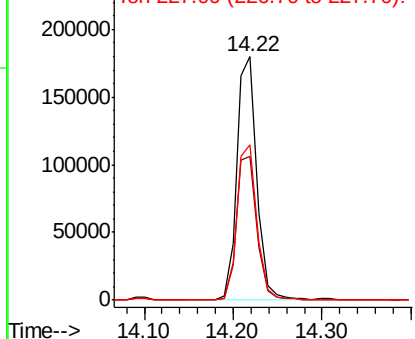


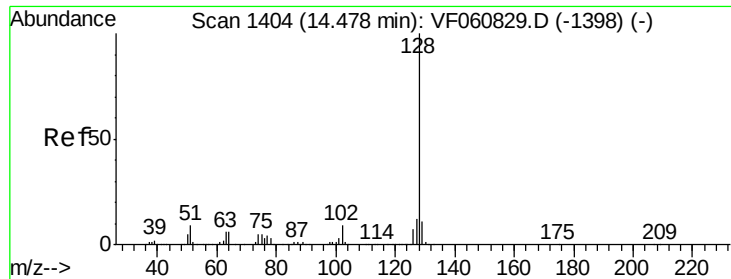
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 144.391 ug/l

RT: 14.49 min Scan# 1405

Delta R.T. 0.01 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

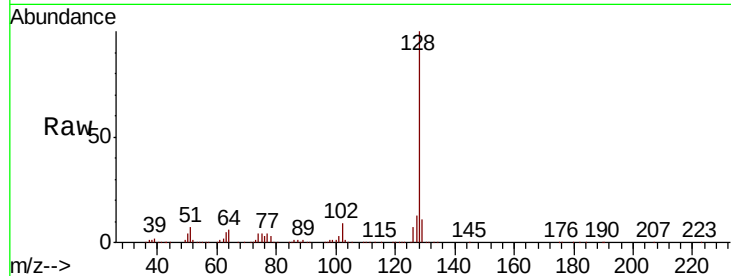
ClientSampleId :

VSTDIC150

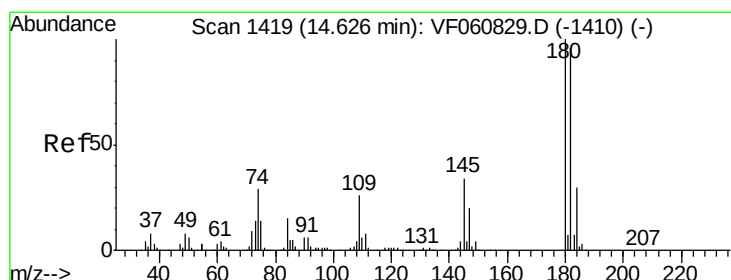
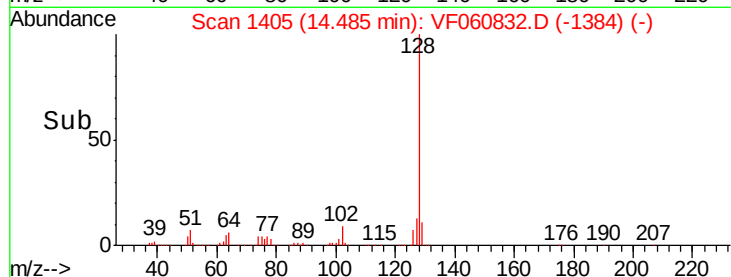
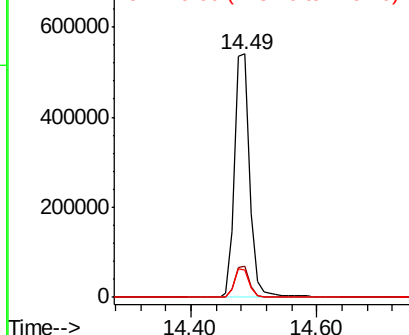
Tot Ion:	128	Resp:	893626
Ion Ratio	Lower	Upper	
128	100		
127	12.6	9.9	14.9
129	11.3	9.1	13.7

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



#96

1,2,3-Trichlorobenzene

Concen: 137.463 ug/l

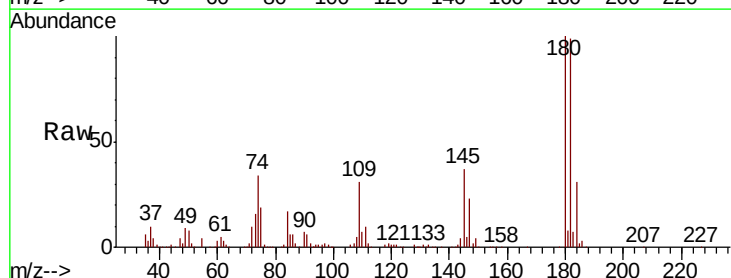
RT: 14.62 min Scan# 1419

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Tgt Ion:	180	Resp:	426107
Ion Ratio	Lower	Upper	
180	100		
182	99.1	47.9	143.8
145	37.1	17.2	51.5



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

