

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100918\
 Data File : VF060496.D
 Acq On : 9 Oct 2018 17:39
 Operator : VA/AP
 Sample : VSTDIC150
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

apatel
 10/10/2018 12:34:03 PM

Quant Time: Oct 10 02:18:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 10 01:47:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	256707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.73	114	447617	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	407089	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	219417	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.99	65	543069	135.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	271.62%	
35) Dibromofluoromethane	4.26	113	552022	131.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	263.80%	
50) Toluene-d8	7.68	98	1357456	132.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	265.88%	
62) 4-Bromofluorobenzene	11.49	95	594688	127.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	254.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	650599	110.971	ug/l	99
3) Chloromethane	1.13	50	406754	118.906	ug/l	98
4) Vinyl Chloride	1.18	62	442221	123.525	ug/l	96
5) Bromomethane	1.36	94	344688	124.514	ug/l	92
6) Chloroethane	1.41	64	233794	131.233	ug/l	99
7) Trichlorofluoromethane	1.53	101	1007531	121.996	ug/l	90
8) Diethyl Ether	1.69	74	153794	132.987	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.88	101	504904	126.471	ug/l	94
10) Methyl Iodide	1.95	142	847853	138.094	ug/l	96
11) Tert butyl alcohol	2.68	59	133576	562.536	ug/l	96
12) 1,1-Dichloroethene	1.84	96	404939	128.940	ug/l	91
13) Acrolein	2.07	56	76287	430.823	ug/l	97
14) Allyl chloride	2.17	41	724887	147.775	ug/l #	92
15) Acrylonitrile	3.05	53	296588	711.273	ug/l	98
16) Acetone	2.32	43	450965	473.366	ug/l	94
17) Carbon Disulfide	1.90	76	1152473	124.041	ug/l	95
18) Methyl Acetate	2.43	43	219022	130.232	ug/l	95
19) Methyl tert-butyl Ether	2.52	73	1022170	135.354	ug/l	99
20) Methylene Chloride	2.30	84	386371m	110.500	ug/l	
21) trans-1,2-Dichloroethene	2.39	96	423902	135.853	ug/l	91
22) Diisopropyl ether	2.90	45	1290812	139.408	ug/l	98
23) Vinyl Acetate	3.31	43	2295820	641.723	ug/l	98
24) 1,1-Dichloroethane	2.98	63	843144	135.273	ug/l	100
25) 2-Butanone	4.48	43	609618	591.922	ug/l	95
26) 2,2-Dichloropropane	3.73	77	439203	127.046	ug/l	99
27) cis-1,2-Dichloroethene	3.60	96	468507	133.974	ug/l	99
28) Bromochloromethane	3.86	49	292557	132.492	ug/l #	87
29) Tetrahydrofuran	4.22	42	250046	600.679	ug/l	97
30) Chloroform	4.01	83	1031022	137.235	ug/l	98
31) Cyclohexane	3.83	56	555376	128.400	ug/l #	95
32) 1,1,1-Trichloroethane	4.24	97	815992	132.127	ug/l	95
36) 1,1-Dichloropropene	4.43	75	679985	124.265	ug/l	96
37) Ethyl Acetate	4.26	43	240502	115.031	ug/l #	74
38) Carbon Tetrachloride	4.13	117	761593m	117.812	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.59	83	626843	115.356	ug/l	100
40) Benzene	4.78	78	1374045	124.896	ug/l	98
41) Methacrylonitrile	4.89	41	138194	123.215	ug/l	97
42) 1,2-Dichloroethane	5.08	62	659794	126.607	ug/l	98
43) Isopropyl Acetate	7.08	43	330974	130.460	ug/l #	90
44) Trichloroethene	5.64	130	429017	121.290	ug/l	100
45) 1,2-Dichloropropane	6.37	63	361962	125.318	ug/l	91
46) Dibromomethane	6.22	93	287235	123.441	ug/l	89
47) Bromodichloromethane	6.52	83	741774	127.951	ug/l	98
48) Methyl methacrylate	6.85	41	230653	127.178	ug/l	94
49) 1,4-Dioxane	6.84	88	38439	2451.710	ug/l #	75
51) 4-Methyl-2-Pentanone	8.37	43	1030620	572.335	ug/l	98
52) Toluene	7.75	92	944445	127.737	ug/l	90
53) t-1,3-Dichloropropene	8.40	75	575187	126.720	ug/l	96
54) cis-1,3-Dichloropropene	7.43	75	683422	130.071	ug/l	100
55) 1,1,2-Trichloroethane	8.61	97	304483	130.004	ug/l	97
56) Ethyl methacrylate	8.74	69	354390	133.657	ug/l	94
57) 1,3-Dichloropropane	8.97	76	503585	127.453	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.75	63	164123	601.911	ug/l	100
59) 2-Hexanone	9.61	43	798514	605.908	ug/l	96
60) Dibromochloromethane	8.84	129	485424	138.092	ug/l	99
61) 1,2-Dibromoethane	9.11	107	350196	136.670	ug/l	100
64) Tetrachloroethene	8.27	164	417542	127.746	ug/l	94
65) Chlorobenzene	9.92	112	1044823	125.255	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.05	131	452202	123.844	ug/l	97
67) Ethyl Benzene	10.02	91	1896368	119.289	ug/l	97
68) m/p-Xylenes	10.25	106	1319851	242.701	ug/l	84
69) o-Xylene	10.81	106	709002	119.501	ug/l	91
70) Styrene	10.89	104	1033582	122.716	ug/l	97
71) Bromoform	10.87	173	261692	135.042	ug/l #	98
73) Isopropylbenzene	11.21	105	2044188	117.420	ug/l	92
74) N-amyl acetate	11.45	43	506144	128.093	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	375628	120.412	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	274503	118.405	ug/l	94
77) Bromobenzene	11.58	156	485903	125.077	ug/l	92
78) n-propylbenzene	11.68	91	2306967	110.348	ug/l	93
79) 2-Chlorotoluene	11.79	91	1441216	117.574	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	1668810	113.578	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.94	75	138645m	136.780	ug/l	
82) 4-Chlorotoluene	11.97	91	1498648	118.662	ug/l	99
83) tert-Butylbenzene	12.20	119	1621406	111.867	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	1717734	117.364	ug/l	93
85) sec-Butylbenzene	12.38	105	2222918	110.863	ug/l	93
86) p-Isopropyltoluene	12.52	119	1833666	111.915	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	844796	115.631	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	864854	120.337	ug/l	96
89) n-Butylbenzene	12.91	91	1878706	108.766	ug/l	89
90) Hexachloroethane	12.98	117	486853	116.388	ug/l	90
91) 1,2-Dichlorobenzene	13.01	146	819371	116.947	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	83838	134.858	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	596587	113.840	ug/l	98
94) Hexachlorobutadiene	14.24	225	439964	119.382	ug/l	98
95) Naphthalene	14.50	128	1204137	128.680	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	602815	122.110	ug/l	96

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

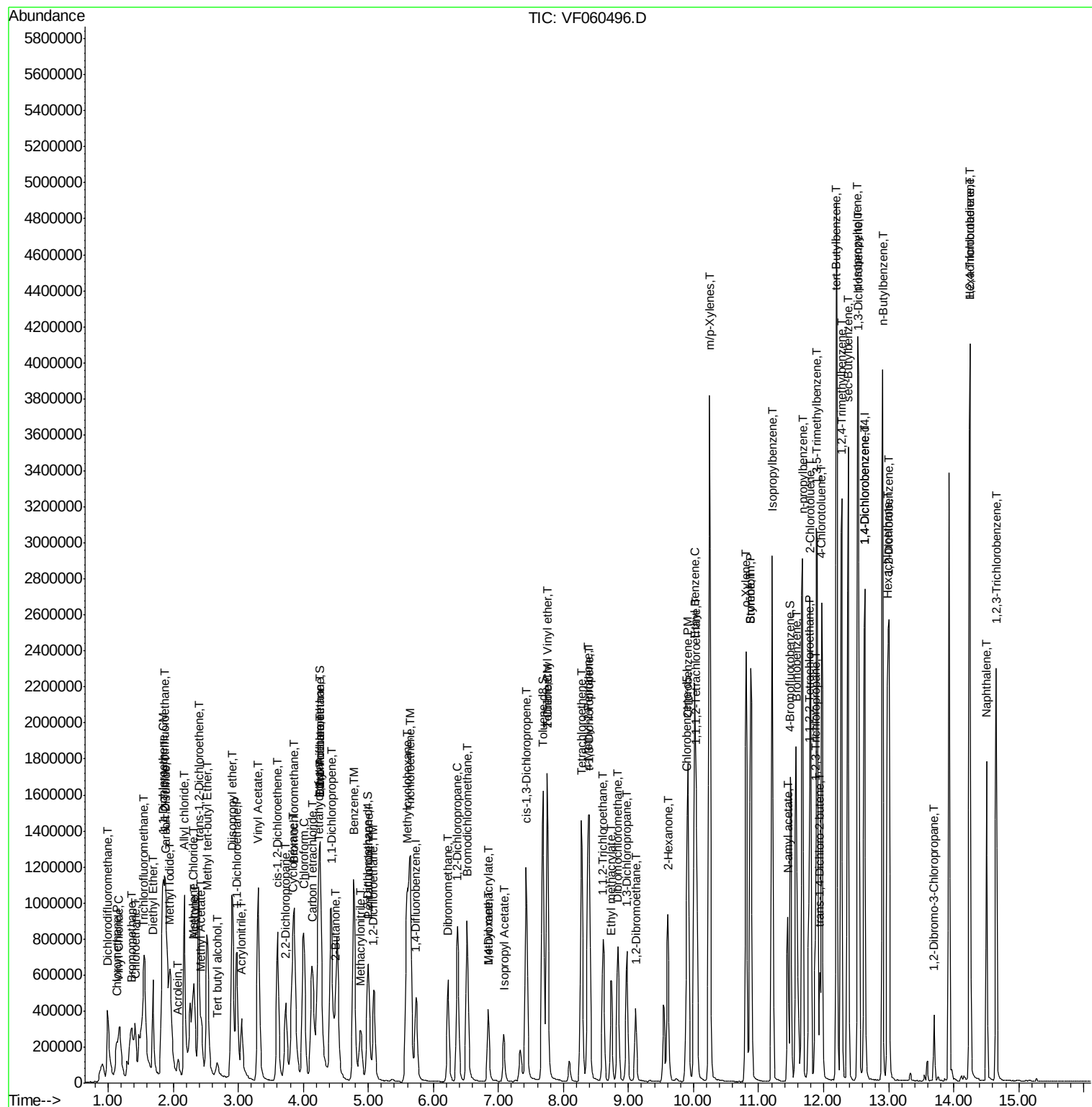
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF100918\
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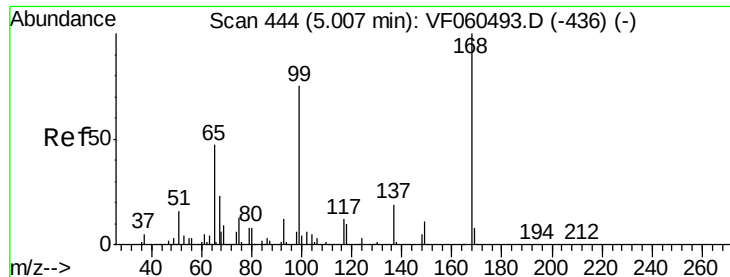
Instrument :
MSVOA_F
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.01 min Scan# 444

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 256707

Ion Ratio Lower Upper

168 100

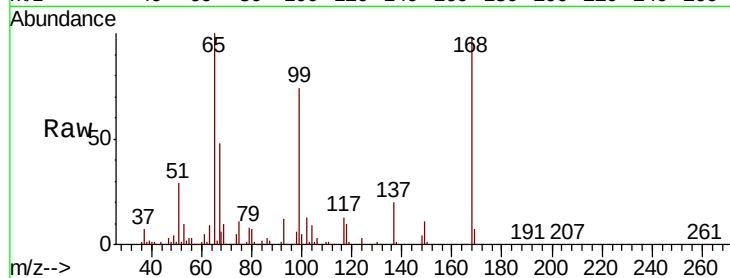
99 75.4 60.3 90.5

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

100000

80000

60000

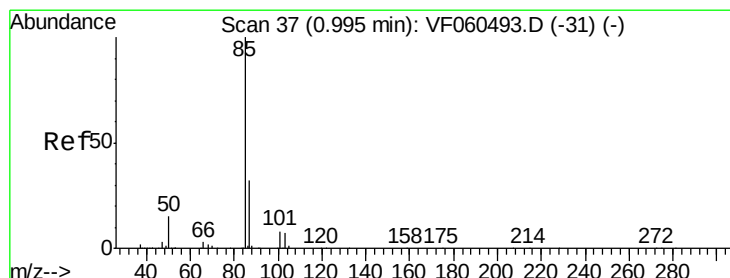
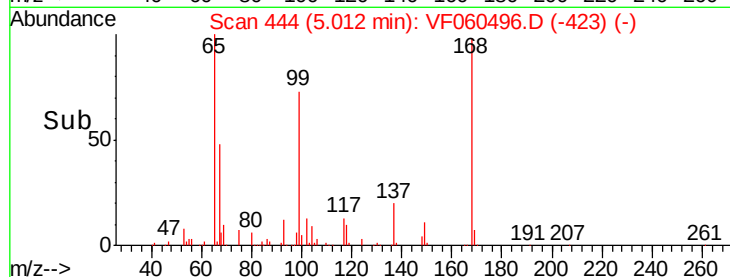
40000

20000

0

Time-->

4.90 5.01 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 110.971 ug/l

RT: 0.99 min Scan# 36

Delta R.T. -0.00 min

Lab File: VF060496.D

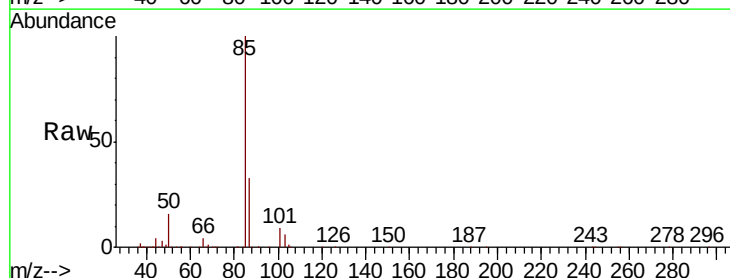
Acq: 9 Oct 2018 17:39

Tgt Ion: 85 Resp: 650599

Ion Ratio Lower Upper

85 100

87 32.9 16.2 48.5



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

250000

200000

150000

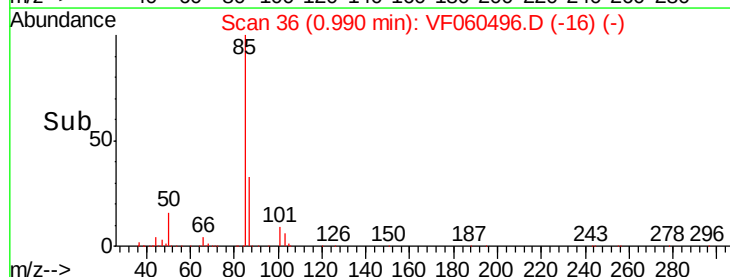
100000

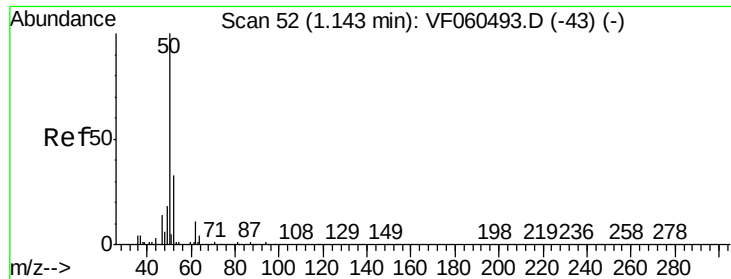
50000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 118.906 ug/l

RT: 1.13 min Scan# 50

Delta R.T. -0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 406754

Ion Ratio Lower Upper

50 100

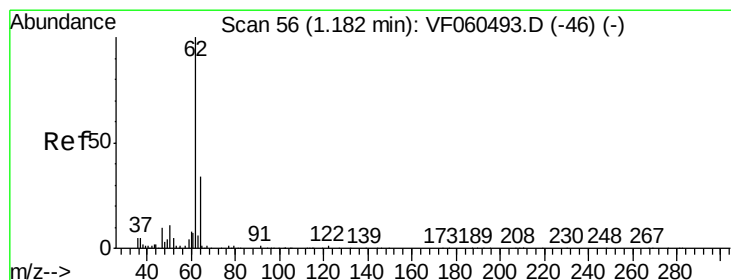
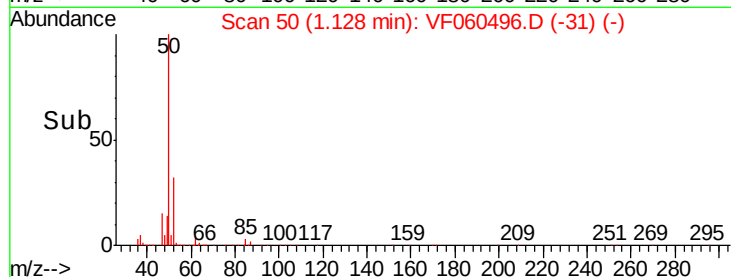
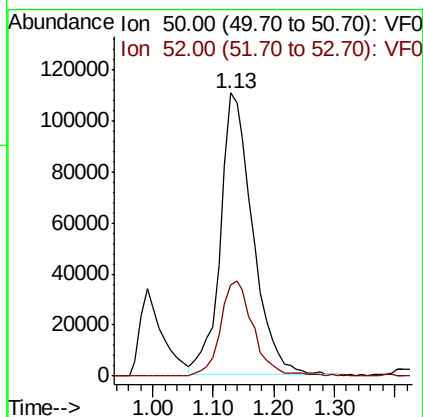
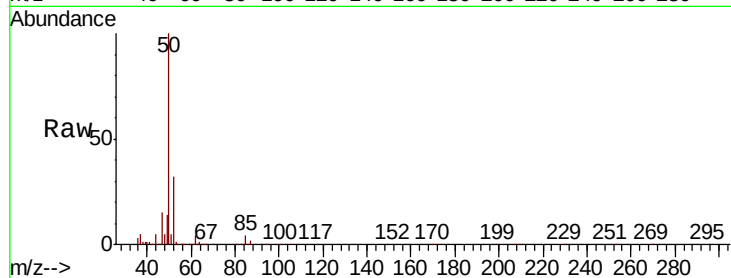
52 32.3 25.0 37.4

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#4

Vinyl Chloride

Concen: 123.525 ug/l

RT: 1.18 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060496.D

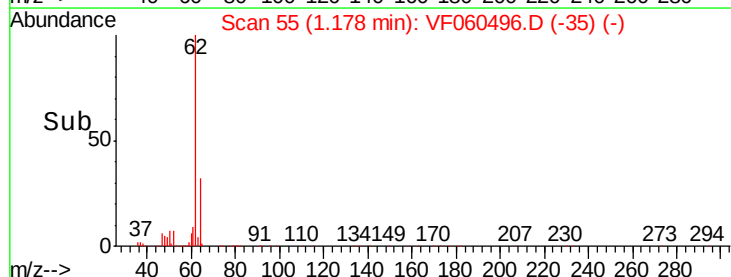
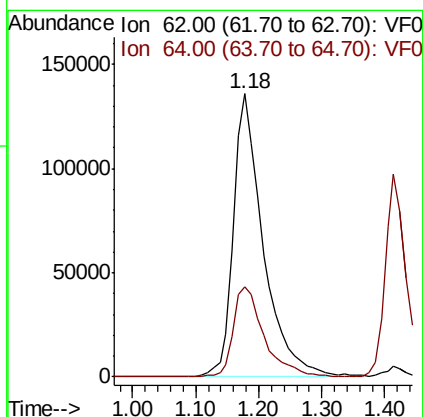
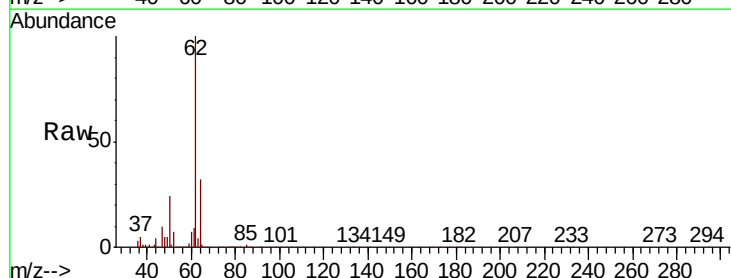
Acq: 9 Oct 2018 17:39

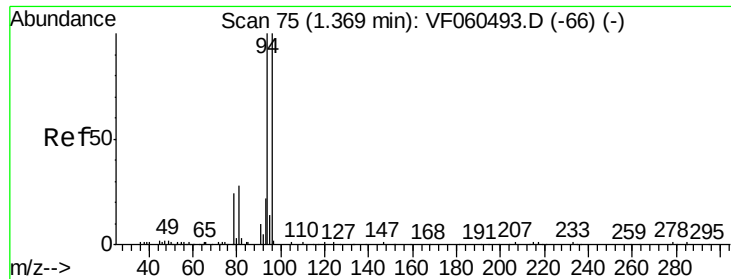
Tgt Ion: 62 Resp: 442221

Ion Ratio Lower Upper

62 100

64 31.9 27.5 41.3





#5

Bromomethane

Concen: 124.514 ug/l

RT: 1.36 min Scan# 74

Delta R.T. -0.00 min

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Acq: 9 Oct 2018 17:39

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Tot Ion: 94 Resp: 344688

Ion Ratio Lower Upper

94 100

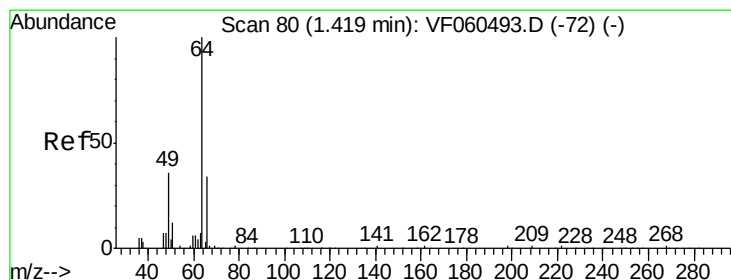
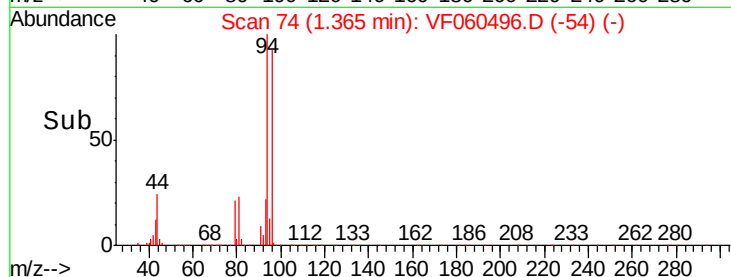
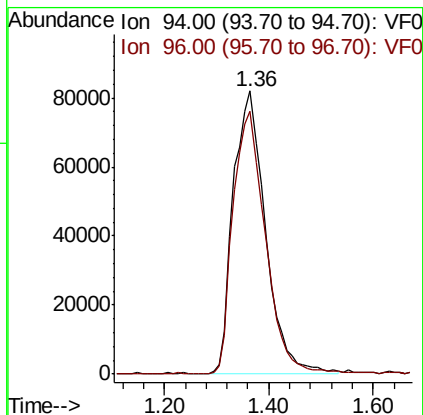
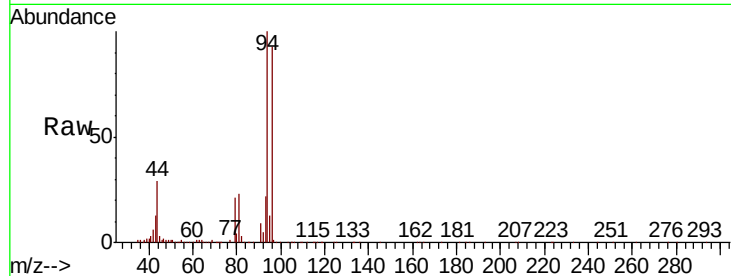
96 92.9 80.6 120.8

Manual Integrations

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#6

Chloroethane

Concen: 131.233 ug/l

RT: 1.41 min Scan# 79

Delta R.T. -0.00 min

Lab File: VF060496.D

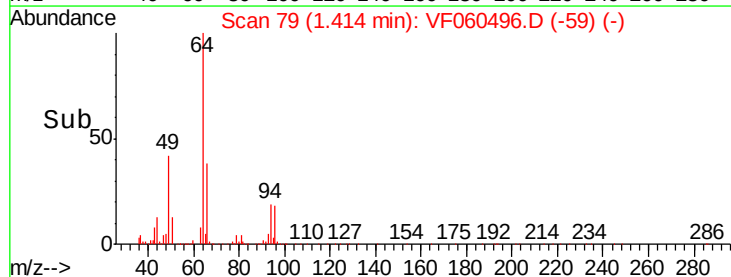
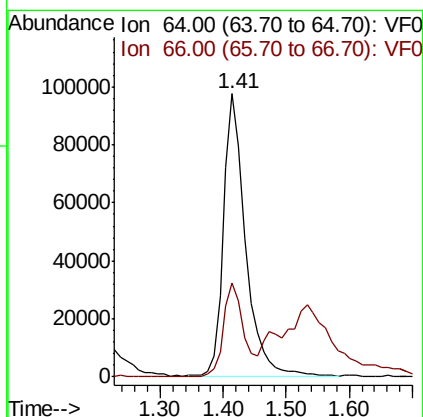
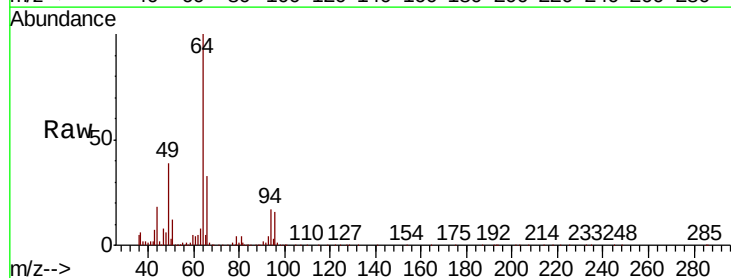
Acq: 9 Oct 2018 17:39

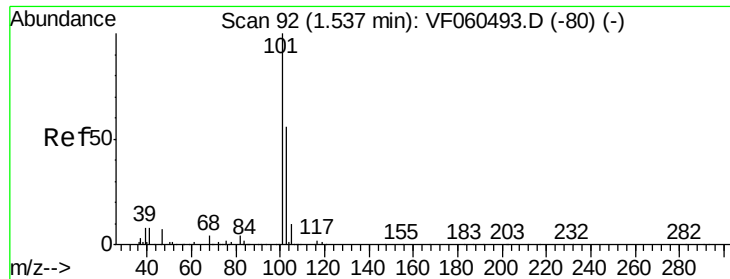
Tgt Ion: 64 Resp: 233794

Ion Ratio Lower Upper

64 100

66 33.2 27.0 40.6





#7

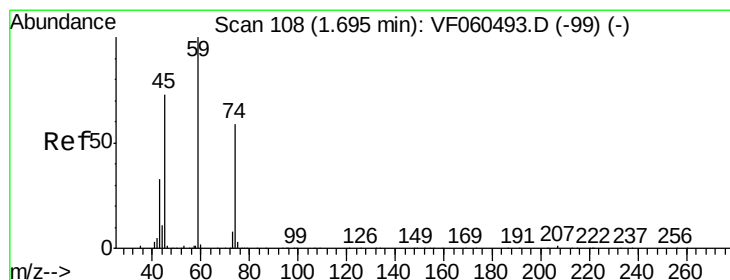
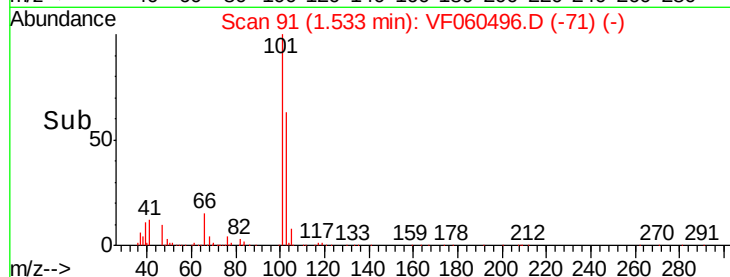
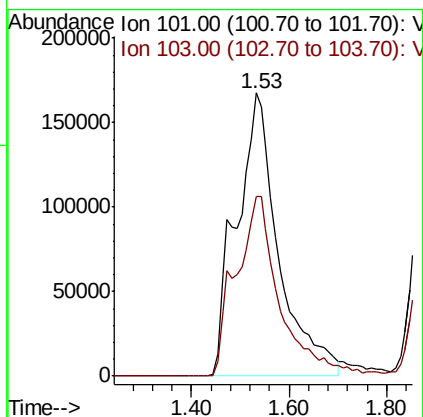
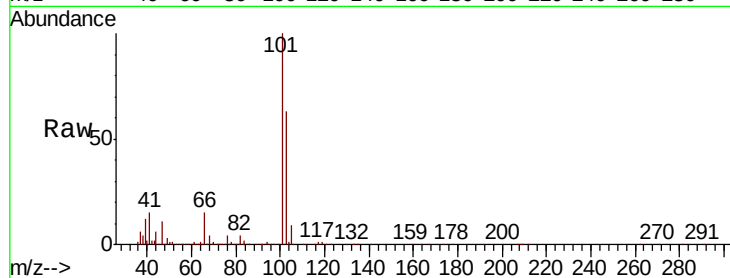
Trichlorofluoromethane
Concen: 121.996 ug/l
RT: 1.53 min Scan# 91
Delta R.T. -0.00 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

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ClientSampleId :
VSTDIC150

Tot Ion:101 Resp: 1007531
Ion Ratio Lower Upper
101 100
103 63.3 44.6 66.8

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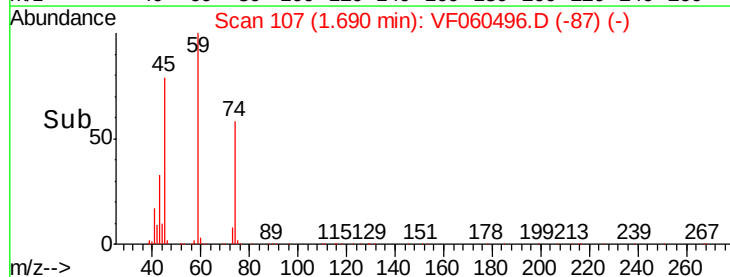
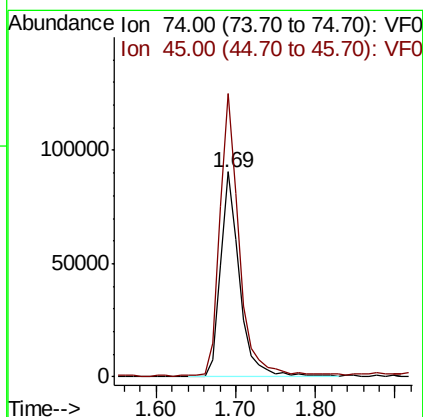
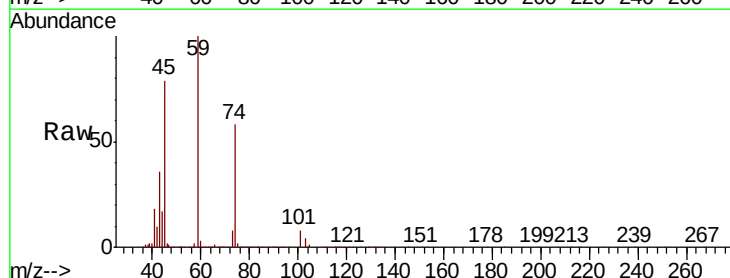
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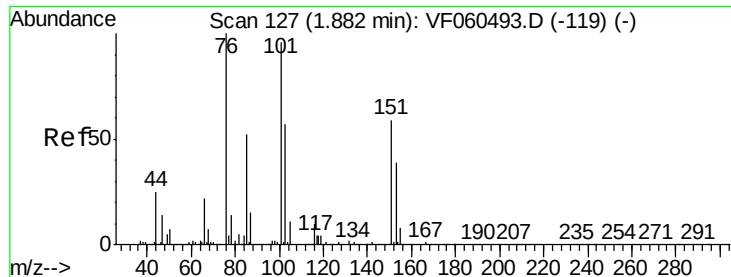


#8

Diethyl Ether
Concen: 132.987 ug/l
RT: 1.69 min Scan# 107
Delta R.T. -0.00 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Tgt Ion: 74 Resp: 153794
Ion Ratio Lower Upper
74 100
45 138.0 62.7 188.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 126.471 ug/l

RT: 1.88 min Scan# 126

Delta R.T. -0.00 min

Lab File: VF060496.D

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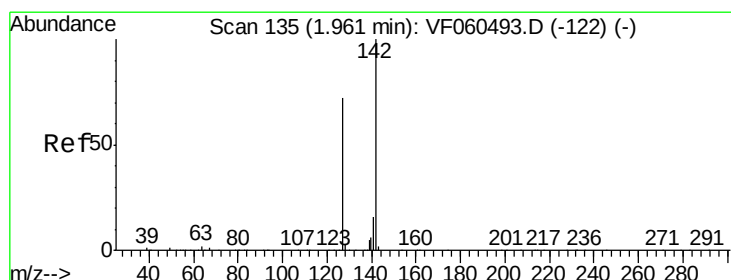
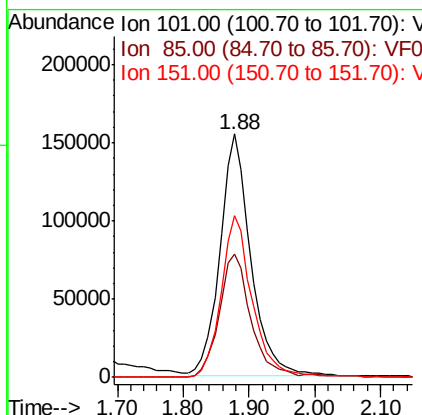
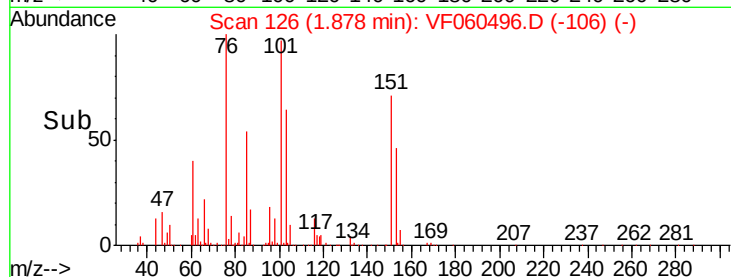
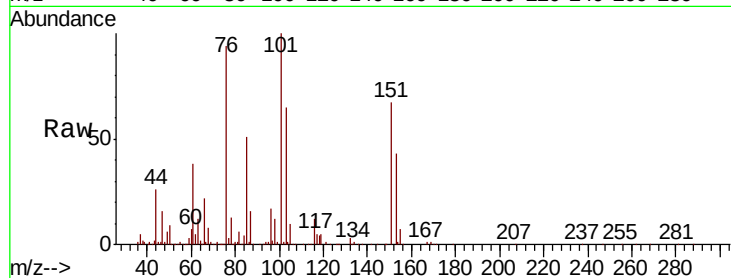
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	504904
Ion Ratio	Lower	Upper	
101	100		
85	50.7	41.8	62.6
151	66.6	47.4	71.0

Manual Integrations
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#10

Methyl Iodide

Concen: 138.094 ug/l

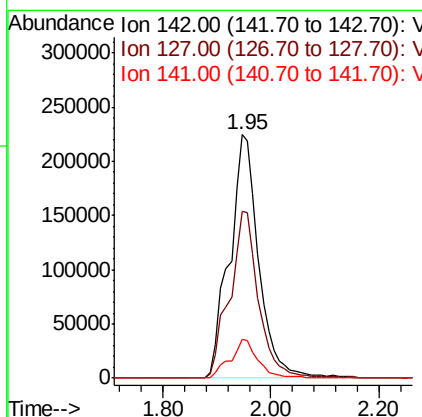
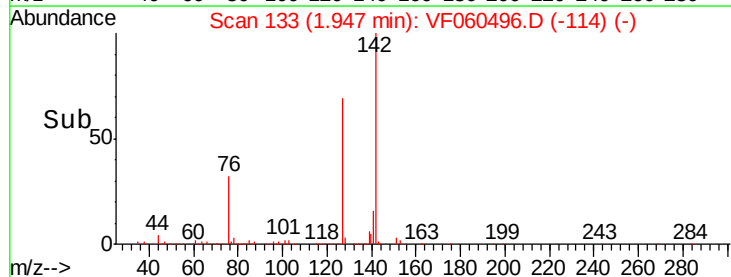
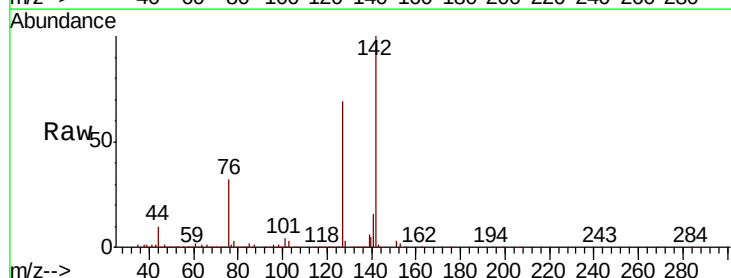
RT: 1.95 min Scan# 133

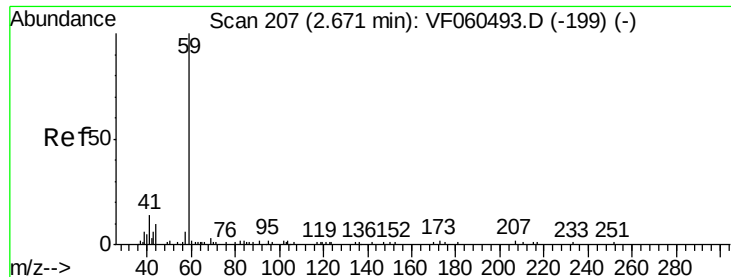
Delta R.T. -0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Tgt Ion:	142	Resp:	847853
Ion Ratio	Lower	Upper	
142	100		
127	68.5	57.9	86.9
141	16.1	12.7	19.1





#11

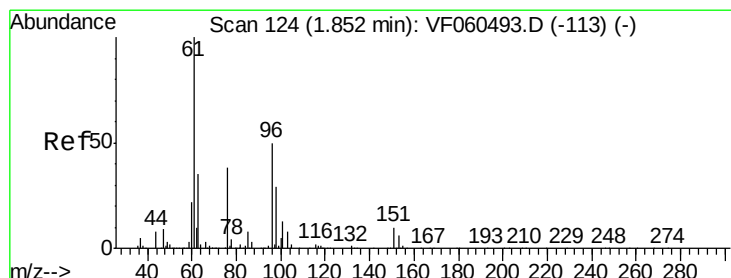
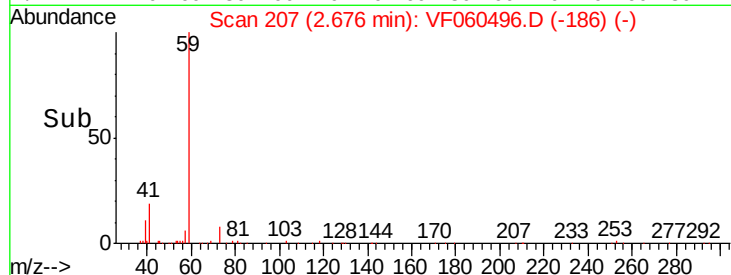
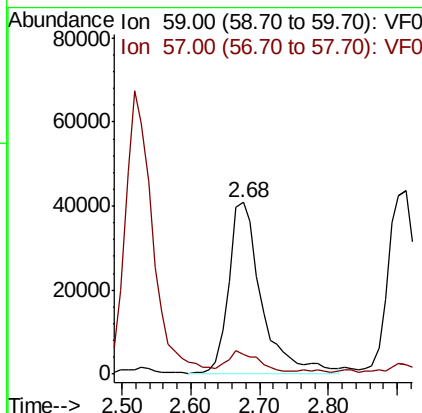
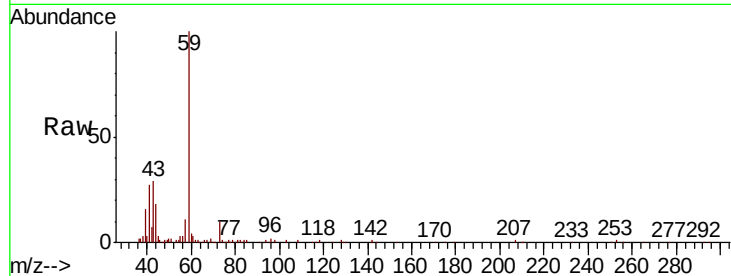
Tert butyl alcohol
Concen: 562.536 ug/l
RT: 2.68 min Scan# 207
Delta R.T. 0.01 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.2	10.2	15.2

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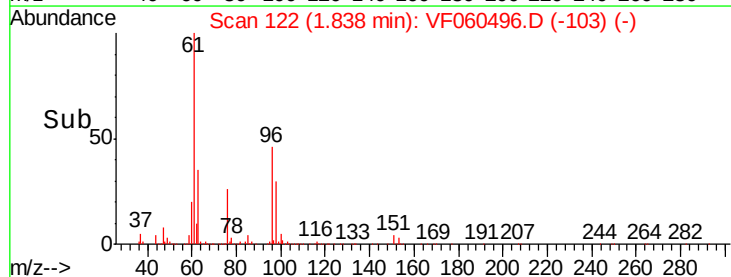
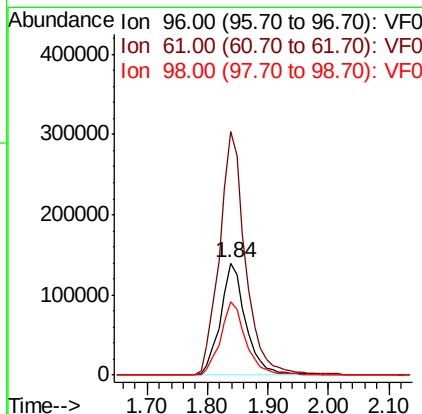
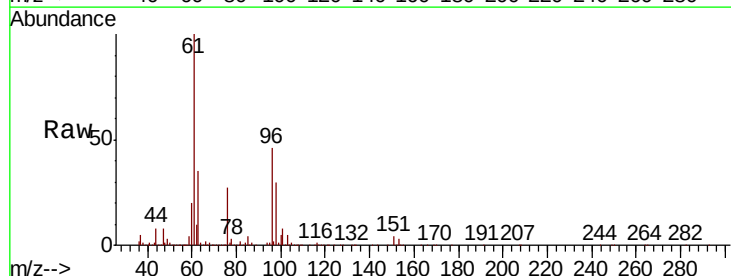
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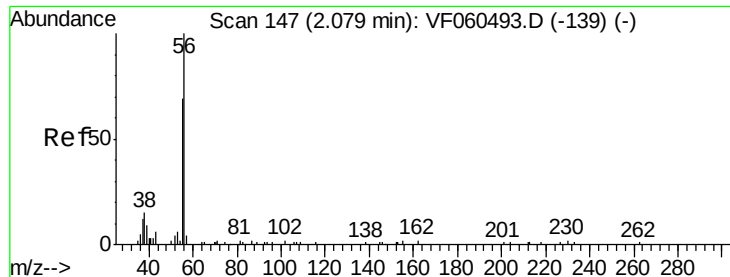


#12

1,1-Dichloroethene
Concen: 128.940 ug/l
RT: 1.84 min Scan# 122
Delta R.T. -0.01 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	216.9	161.9	242.9
98	65.2	47.4	71.2





#13

Acrolein

Concen: 430.823 ug/l

RT: 2.07 min Scan# 146

Delta R.T. -0.00 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 76287

Ion Ratio Lower Upper

56 100

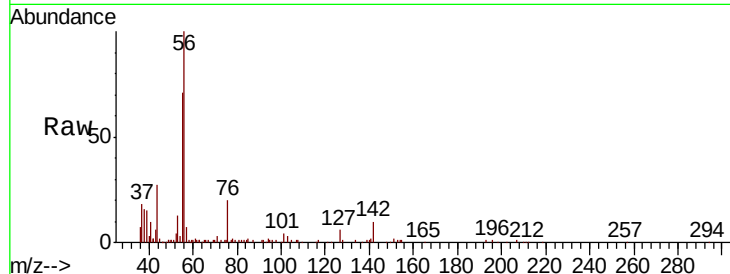
55 71.4 55.3 82.9

Manual Integrations

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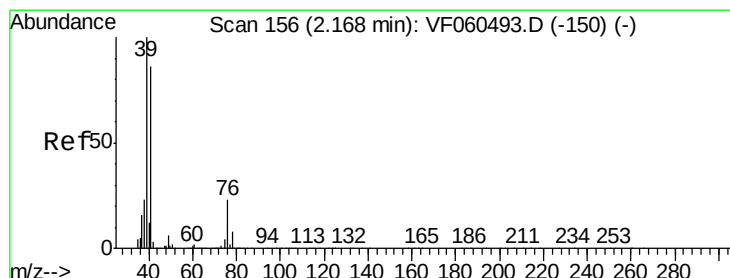
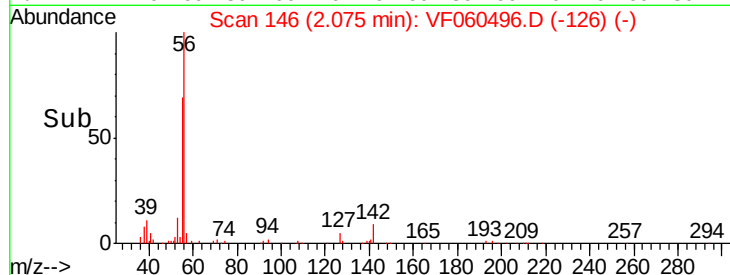
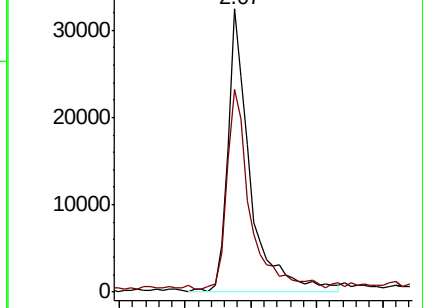
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 147.775 ug/l

RT: 2.17 min Scan# 156

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

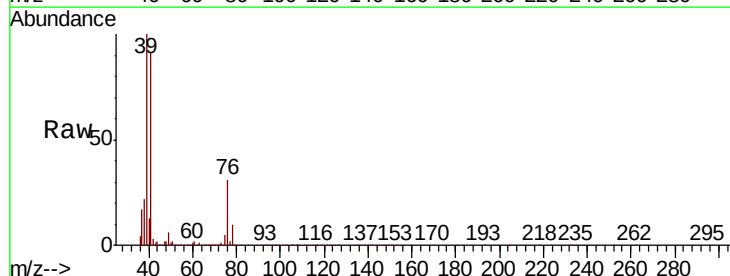
Tgt Ion: 41 Resp: 724887

Ion Ratio Lower Upper

41 100

39 109.4 93.1 139.7

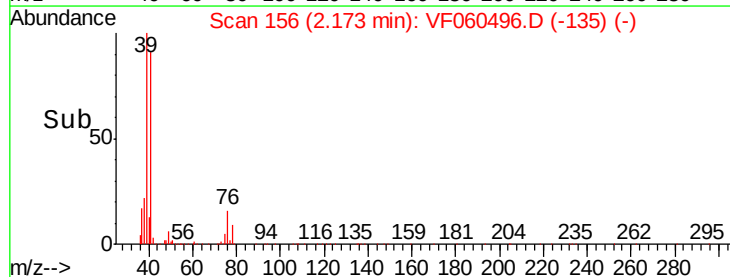
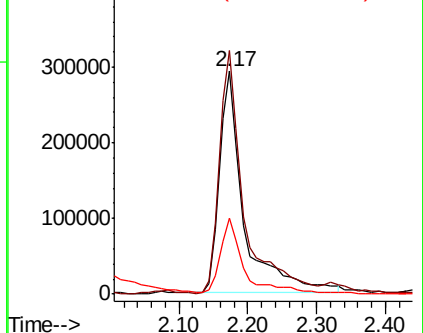
76 33.9 21.6 32.4#

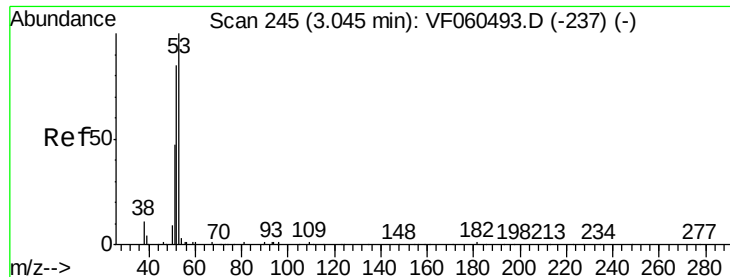


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 711.273 ug/l

RT: 3.05 min Scan# 245

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

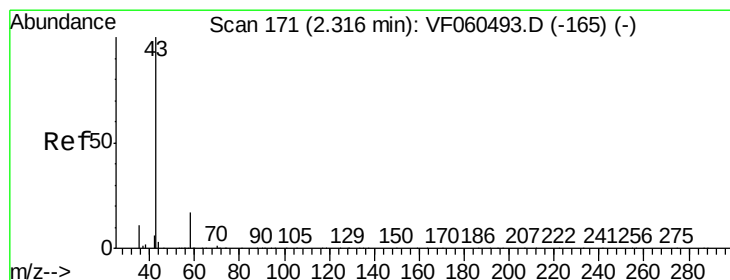
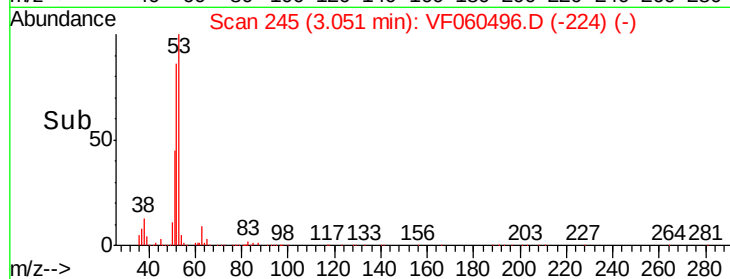
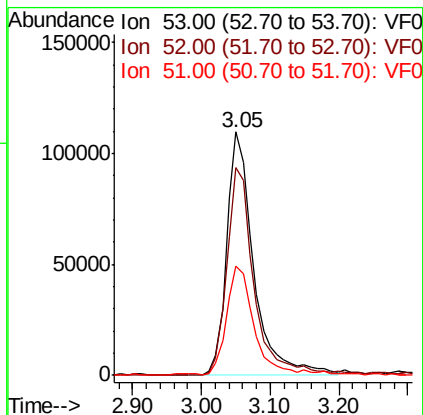
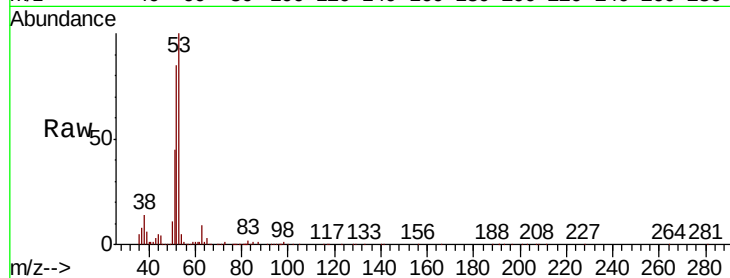
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	296588
Ion	Ratio	Lower	Upper
53	100		
52	85.4	67.5	101.3
51	44.7	38.2	57.4

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#16

Acetone

Concen: 473.366 ug/l

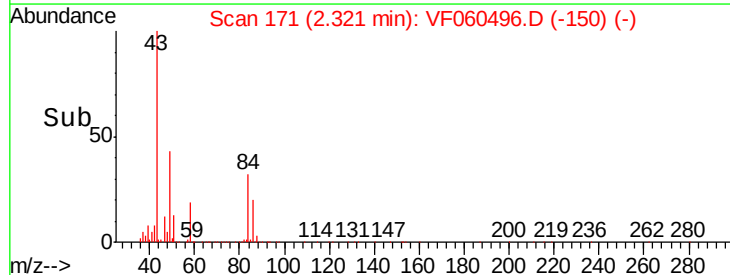
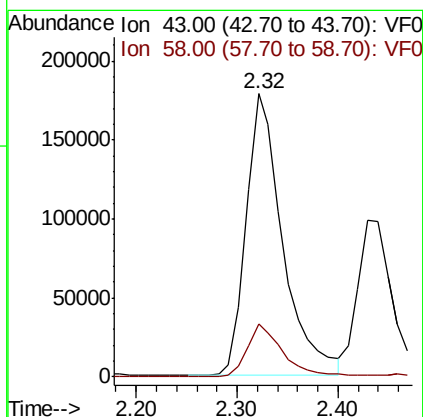
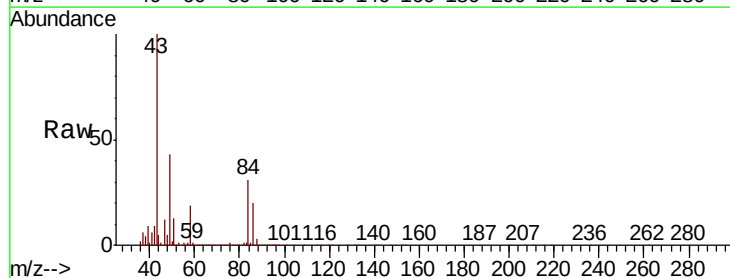
RT: 2.32 min Scan# 171

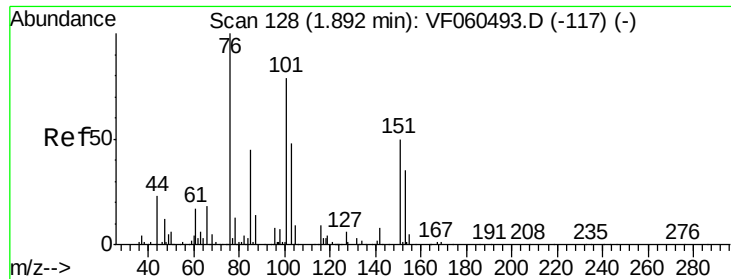
Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Tgt Ion:	43	Resp:	450965
Ion	Ratio	Lower	Upper
43	100		
58	18.9	13.2	19.8





#17

Carbon Disulfide

Concen: 124.041 ug/l

RT: 1.90 min Scan# 128

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDICC150

Tot Ion: 76 Resp: 1152473

Ion Ratio Lower Upper

76 100

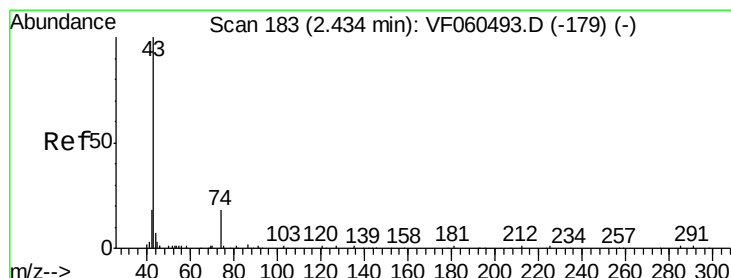
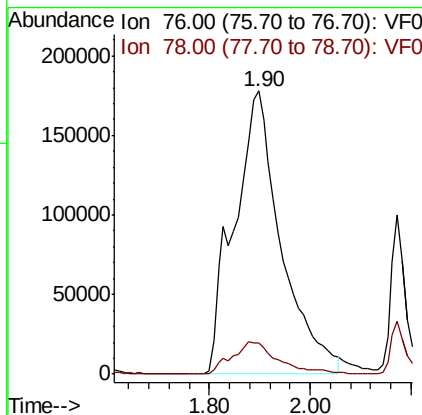
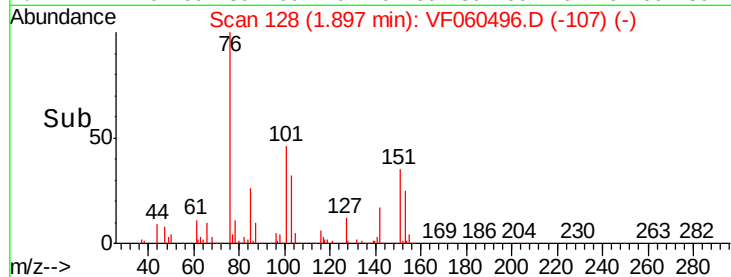
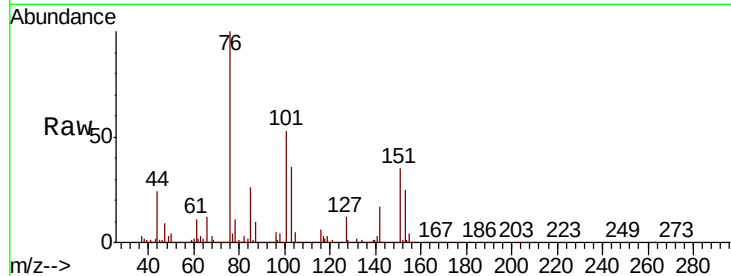
78 11.0 10.5 15.7

Manual Integrations

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#18

Methyl Acetate

Concen: 130.232 ug/l

RT: 2.43 min Scan# 182

Delta R.T. -0.00 min

Lab File: VF060496.D

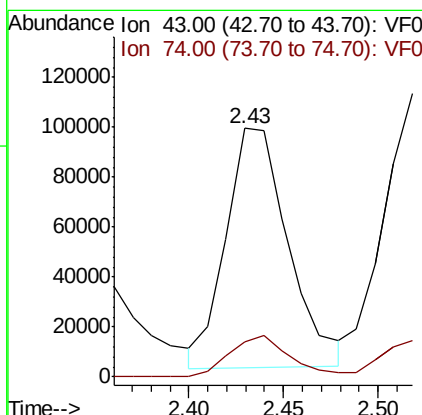
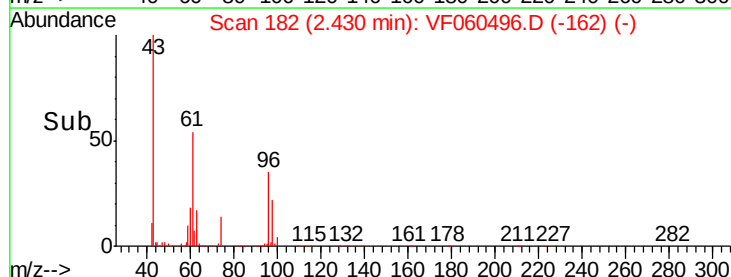
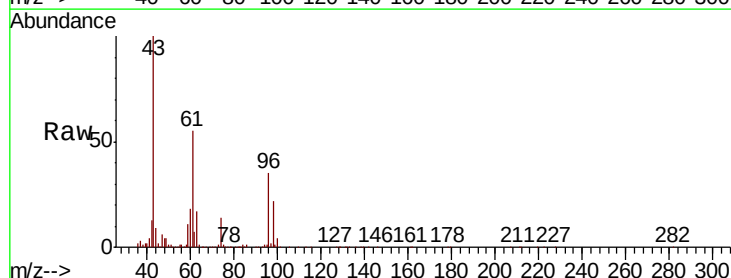
Acq: 9 Oct 2018 17:39

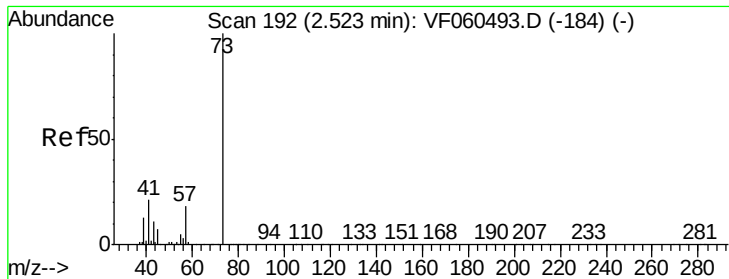
Tgt Ion: 43 Resp: 219022

Ion Ratio Lower Upper

43 100

74 14.0 12.9 19.3





#19

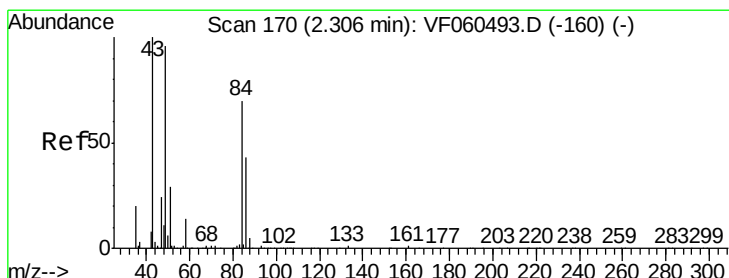
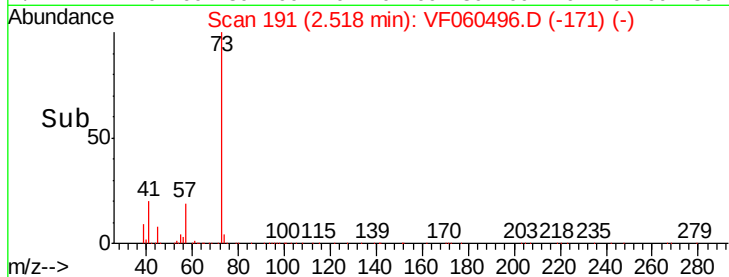
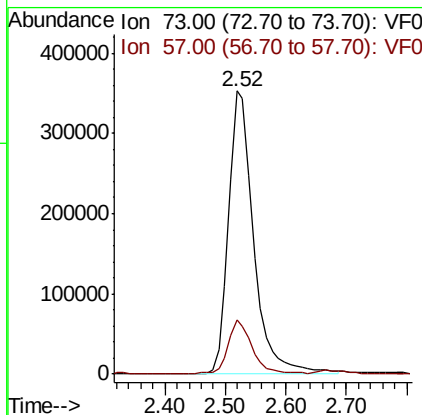
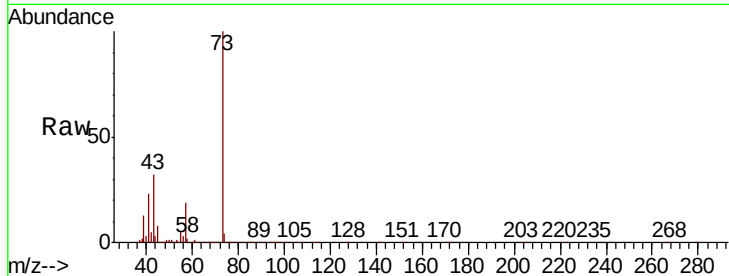
Methyl tert-butyl Ether
 Concen: 135.354 ug/l
 RT: 2.52 min Scan# 191
 Delta R.T. -0.00 min
 Lab File: VF060496.D
 Acq: 9 Oct 2018 17:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion: 73 Resp: 1022170
 Ion Ratio Lower Upper
 73 100
 57 19.1 15.0 22.6

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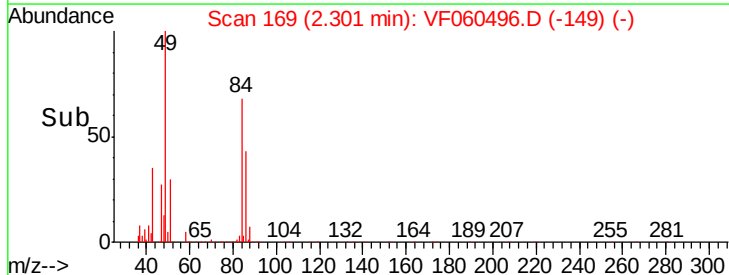
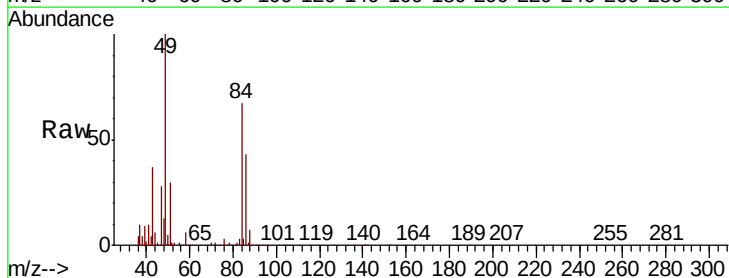
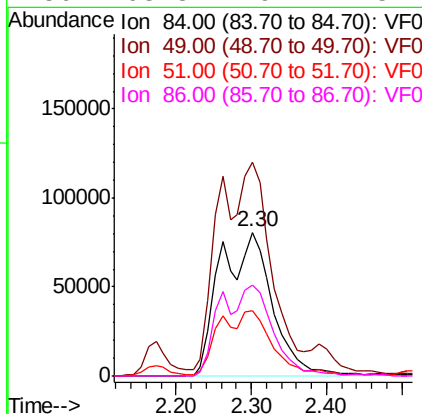
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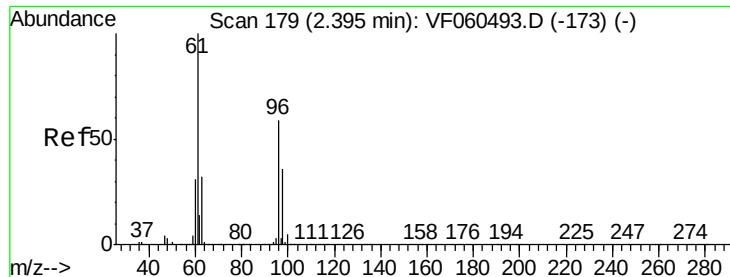


#20

Methylene Chloride
 Concen: 110.500 ug/l m
 RT: 2.30 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VF060496.D
 Acq: 9 Oct 2018 17:39

Tgt Ion: 84 Resp: 386371
 Ion Ratio Lower Upper
 84 100
 49 148.3 111.5 167.3
 51 45.1 34.6 52.0
 86 63.3 49.1 73.7





#21

trans-1,2-Dichloroethene

Concen: 135.853 ug/l

RT: 2.39 min Scan# 178

Delta R.T. -0.00 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

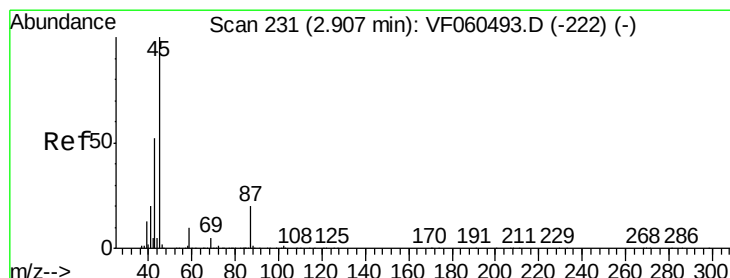
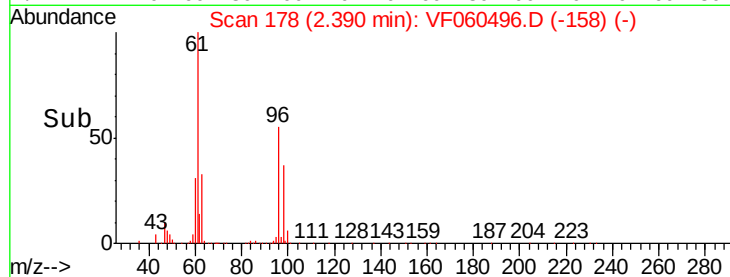
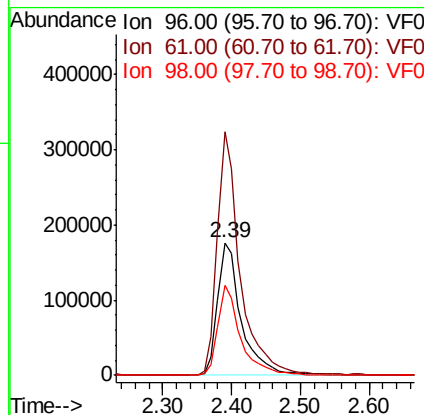
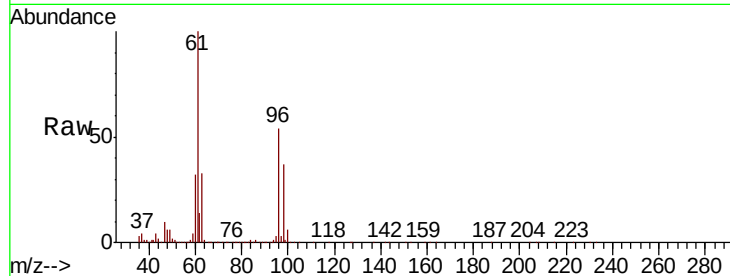
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	423902
Ion	Ratio	Lower	Upper
96	100		
61	183.5	136.2	204.4
98	68.1	49.7	74.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 139.408 ug/l

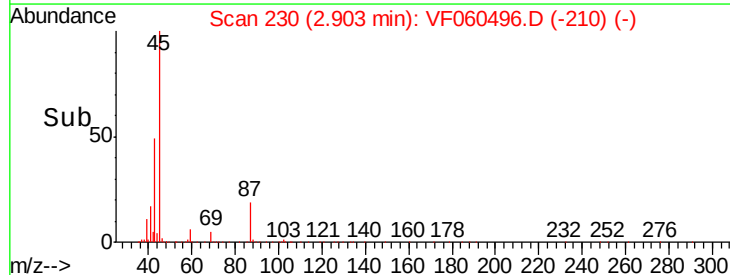
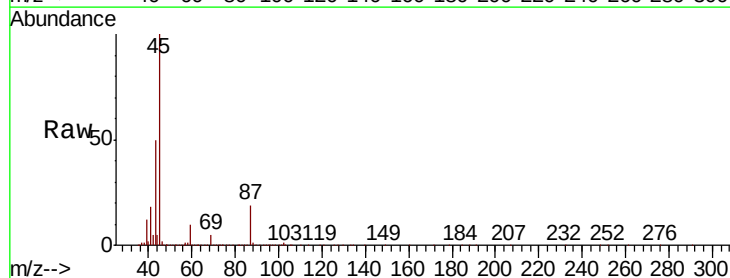
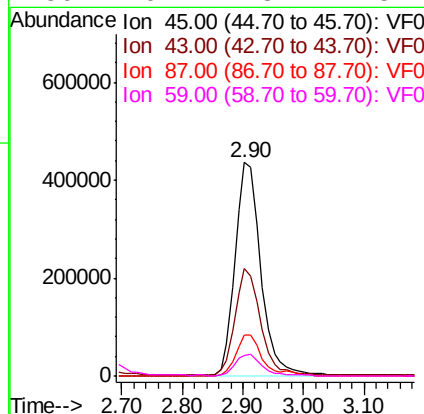
RT: 2.90 min Scan# 230

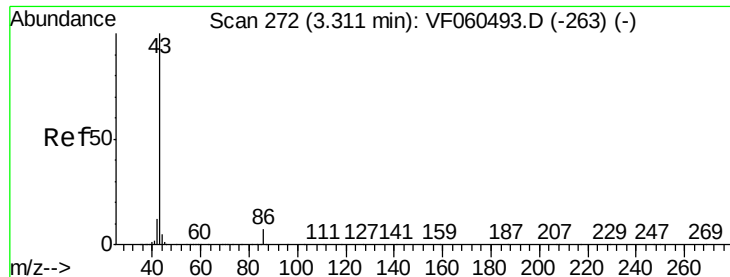
Delta R.T. -0.00 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Tgt Ion:	45	Resp:	1290812
Ion	Ratio	Lower	Upper
45	100		
43	50.2	41.8	62.8
87	19.3	15.7	23.5
59	9.7	8.7	13.1





#23

Vinyl Acetate

Concen: 641.723 ug/l

RT: 3.31 min Scan# 271

Delta R.T. -0.00 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2295820

Ion Ratio Lower Upper

43 100

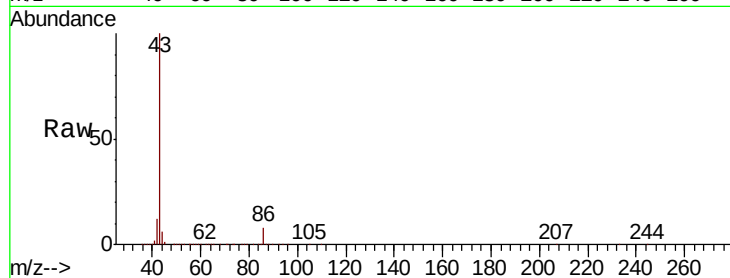
86 7.9 5.8 8.8

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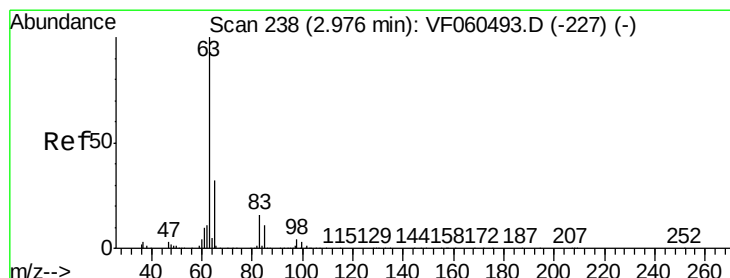
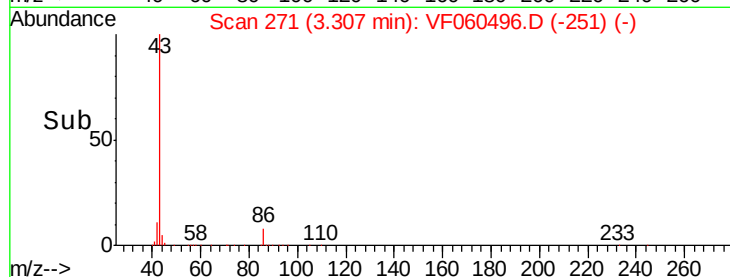
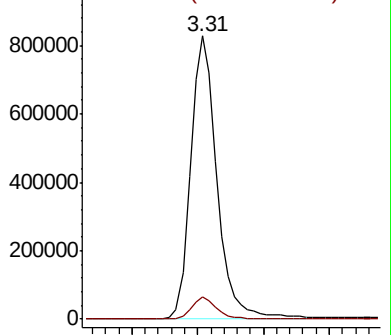
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 135.273 ug/l

RT: 2.98 min Scan# 238

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

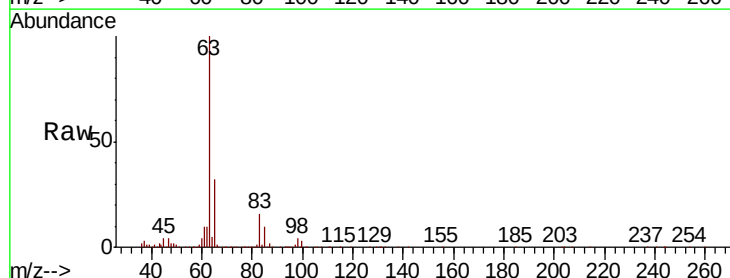
Tgt Ion: 63 Resp: 843144

Ion Ratio Lower Upper

63 100

98 4.3 2.2 6.6

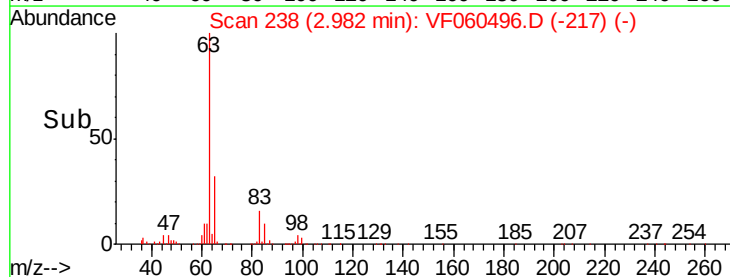
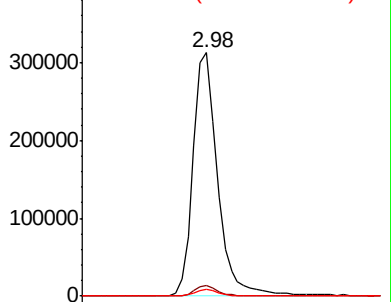
100 2.8 1.5 4.4

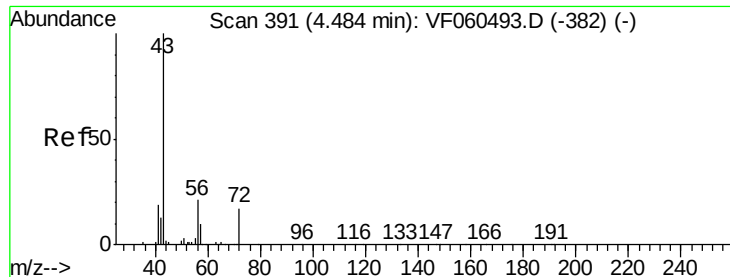


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 591.922 ug/l

RT: 4.48 min Scan# 390

Delta R.T. -0.00 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 609618

Ion Ratio Lower Upper

43 100

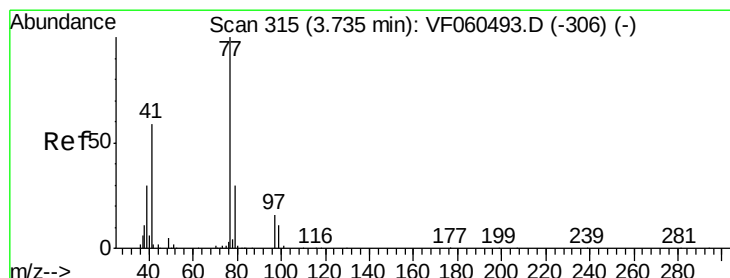
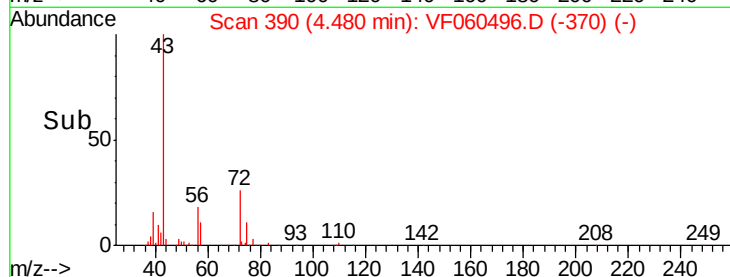
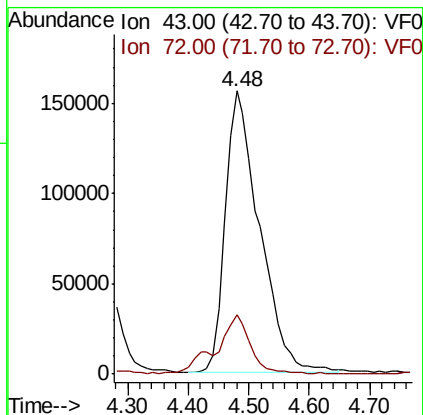
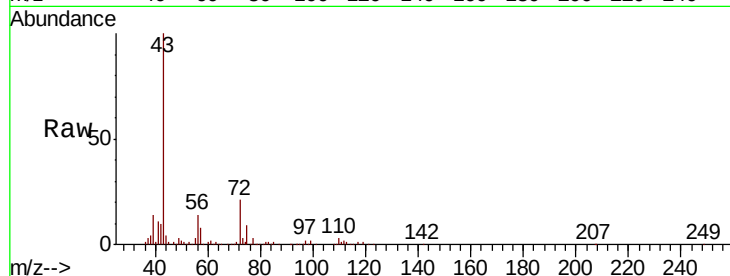
72 21.0 15.0 22.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 127.046 ug/l

RT: 3.73 min Scan# 314

Delta R.T. -0.00 min

Lab File: VF060496.D

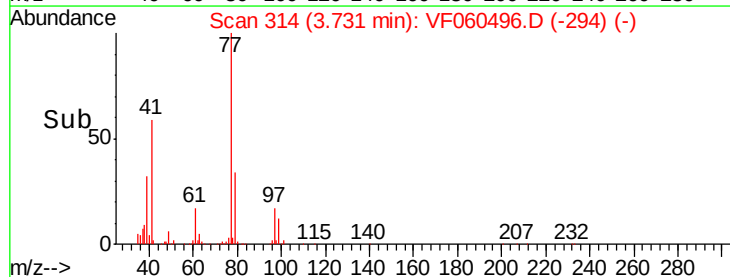
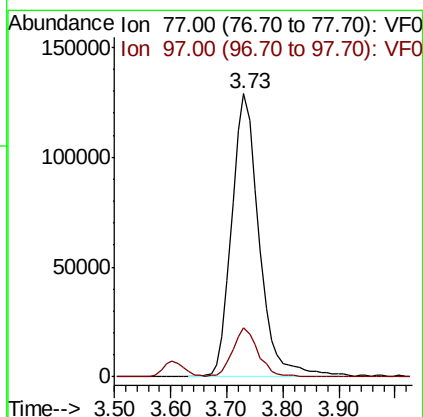
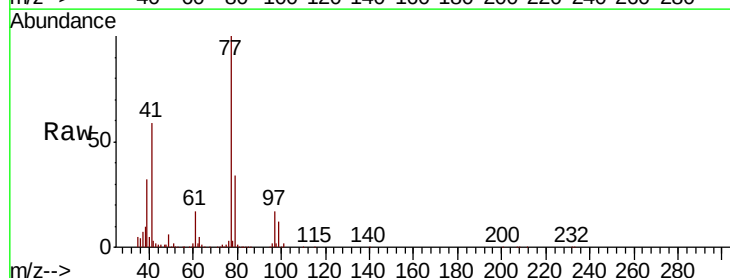
Acq: 9 Oct 2018 17:39

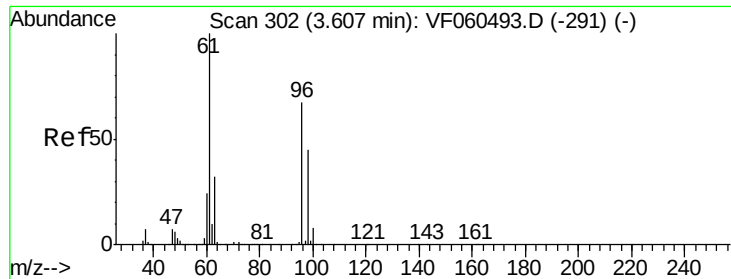
Tgt Ion: 77 Resp: 439203

Ion Ratio Lower Upper

77 100

97 17.3 8.6 25.7





#27

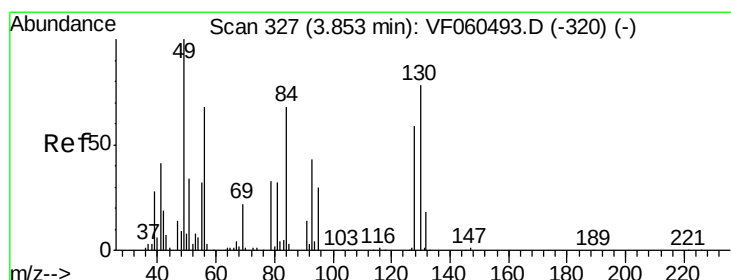
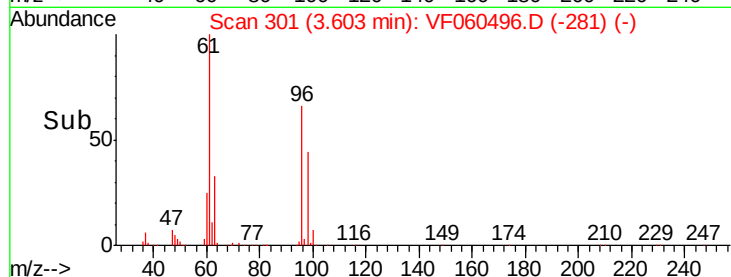
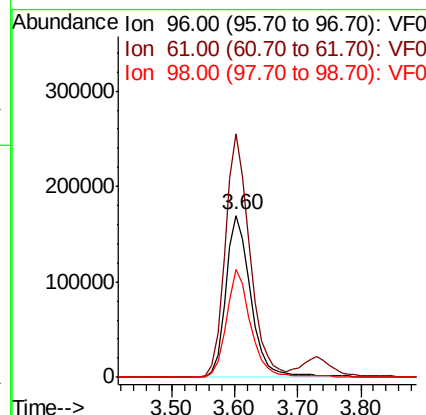
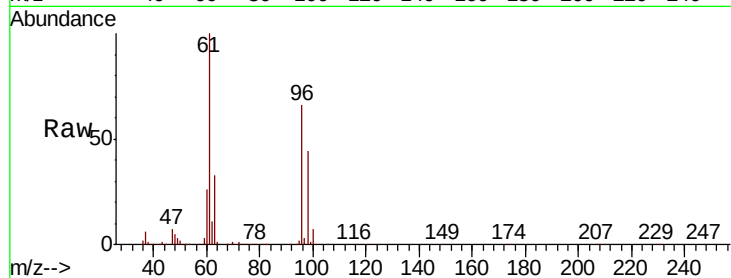
cis-1,2-Dichloroethene
Concen: 133.974 ug/l
RT: 3.60 min Scan# 301
Delta R.T. -0.00 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		468507		
61	150.6	0.0	298.0		
98	67.0	0.0	135.0		

Manual Integrations
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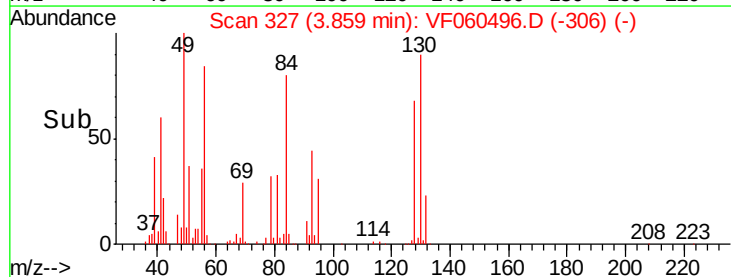
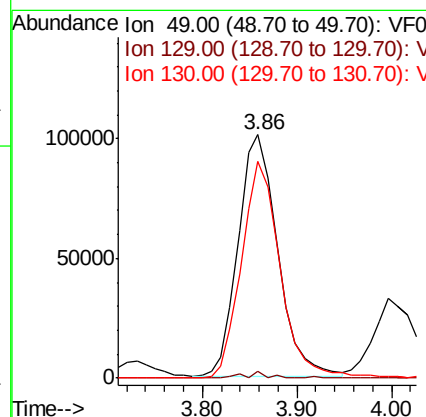
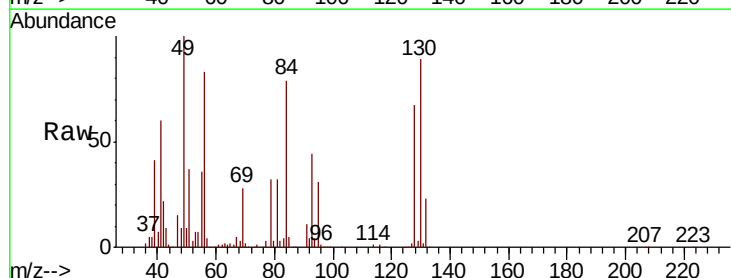
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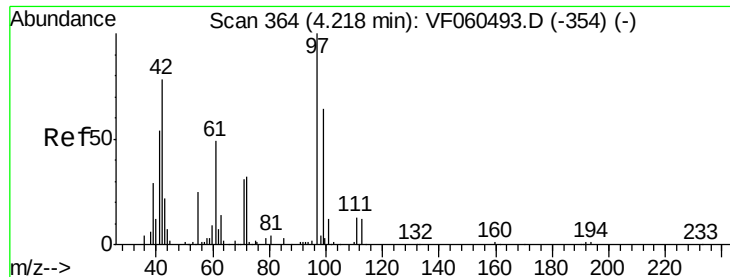


#28

Bromochloromethane
Concen: 132.492 ug/l
RT: 3.86 min Scan# 327
Delta R.T. 0.01 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100		292557		
129	2.9	0.0	0.0#		
130	89.1	62.2	93.2		





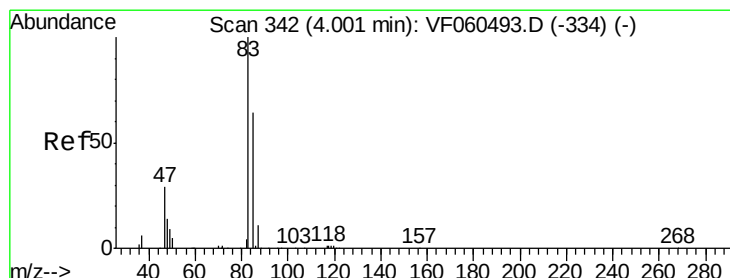
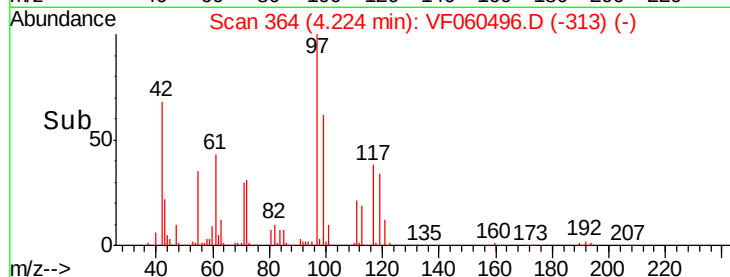
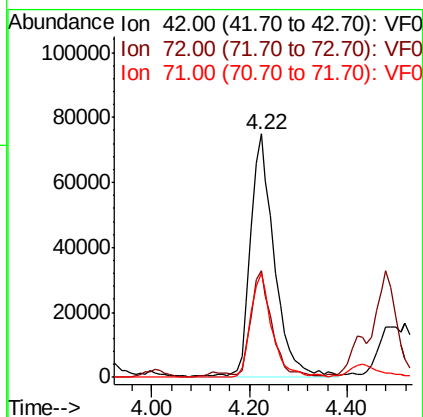
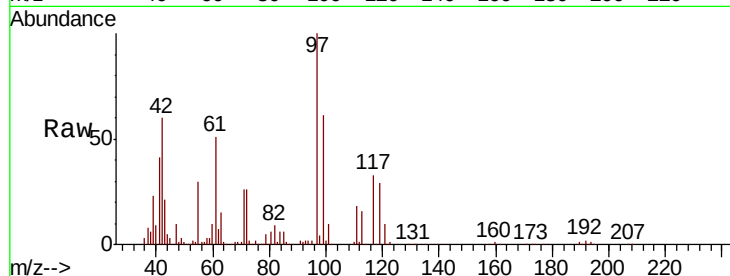
#29
Tetrahydrofuran
Concen: 600.679 ug/l
RT: 4.22 min Scan# 364
Delta R.T. 0.01 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.7	31.9	47.9
71	38.8	33.4	50.0

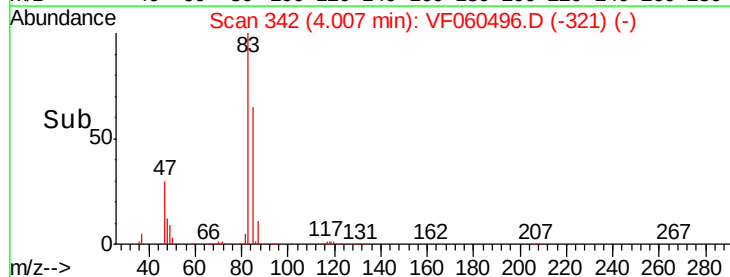
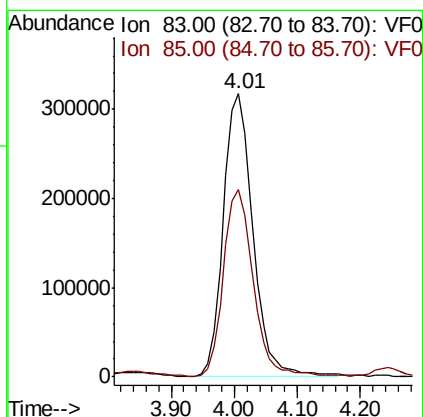
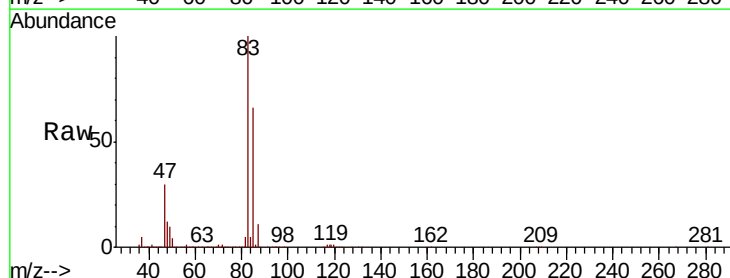
Manual Integrations
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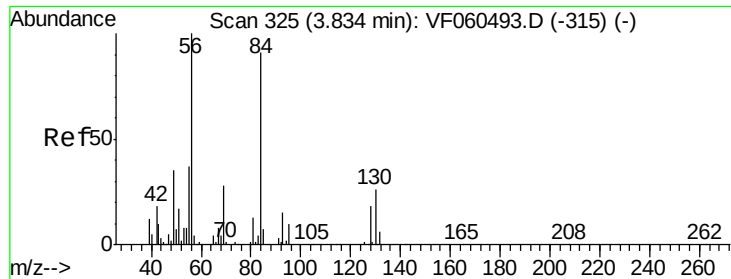
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#30
Chloroform
Concen: 137.235 ug/l
RT: 4.01 min Scan# 342
Delta R.T. 0.01 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.7	77.5





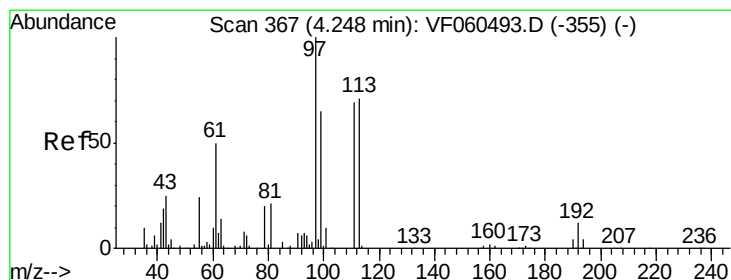
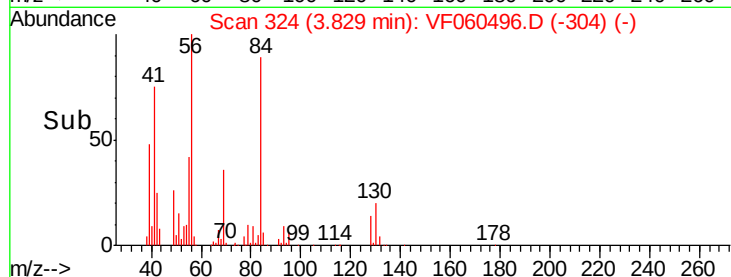
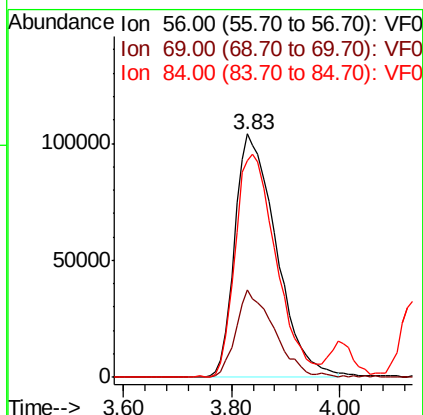
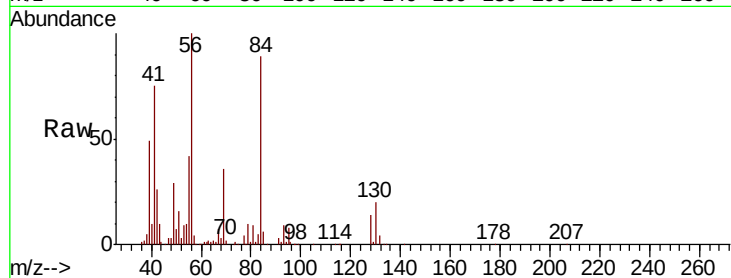
#31
Cyclohexane
Concen: 128.400 ug/l
RT: 3.83 min Scan# 324
Delta R.T. -0.00 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.1	22.7	34.1#
84	89.1	73.1	109.7

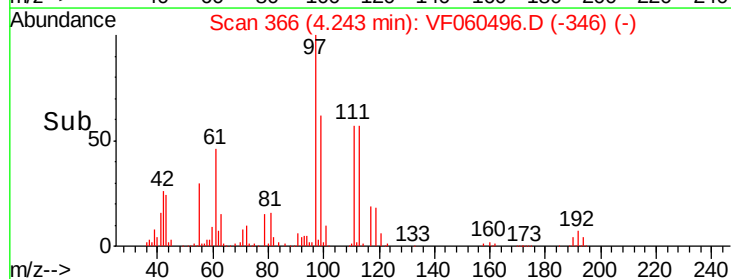
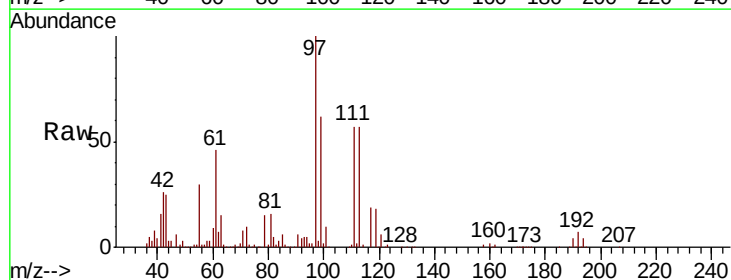
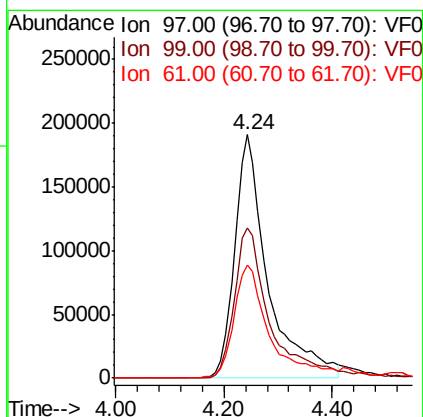
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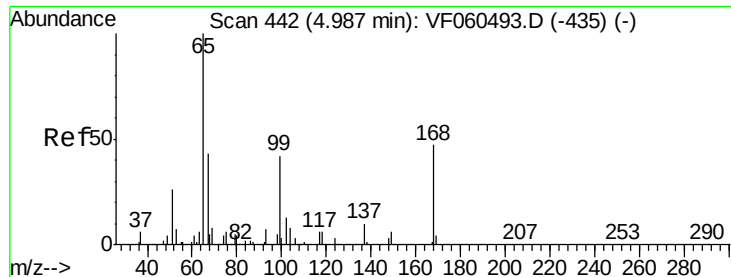
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#32
1,1,1-Trichloroethane
Concen: 132.127 ug/l
RT: 4.24 min Scan# 366
Delta R.T. -0.00 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.9	52.3	78.5
61	46.4	39.8	59.8





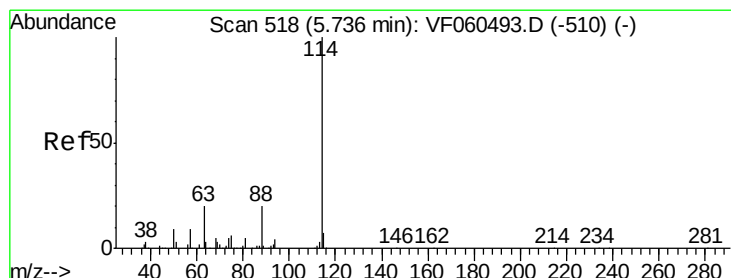
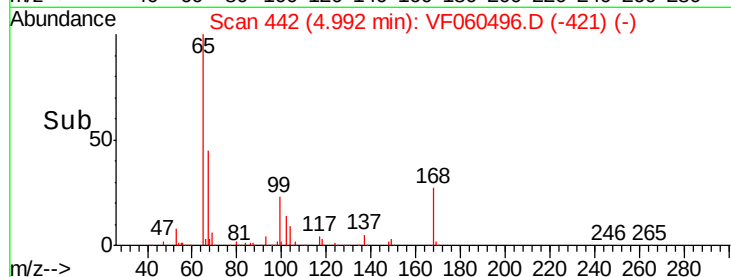
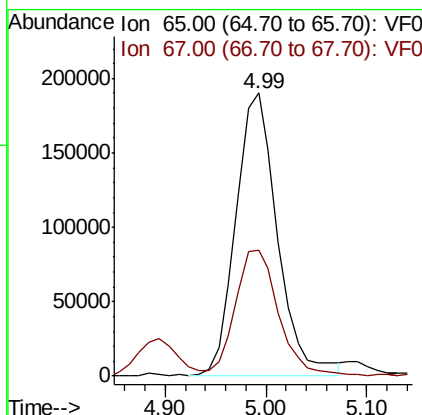
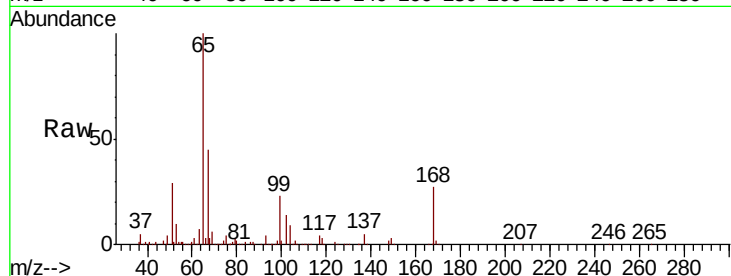
#33
 1,2-Dichloroethane-d4
 Concen: 135.811 ug/l
 RT: 4.99 min Scan# 442
 Delta R.T. 0.01 min
 Lab File: VF060496.D
 Acq: 9 Oct 2018 17:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	44.6	0.0	94.6

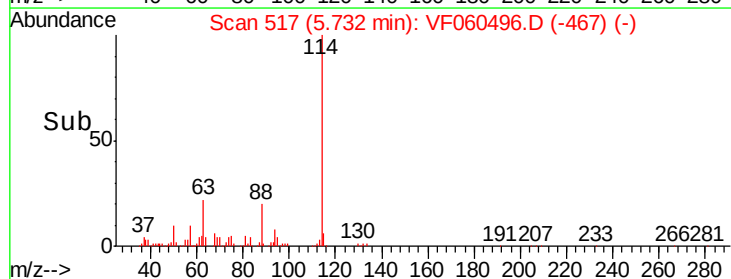
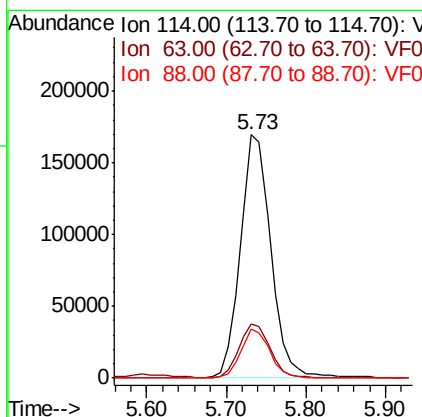
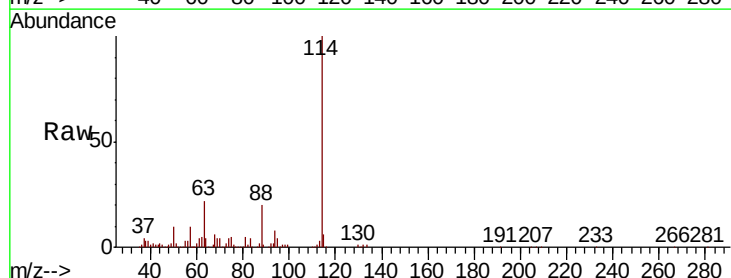
Manual Integrations
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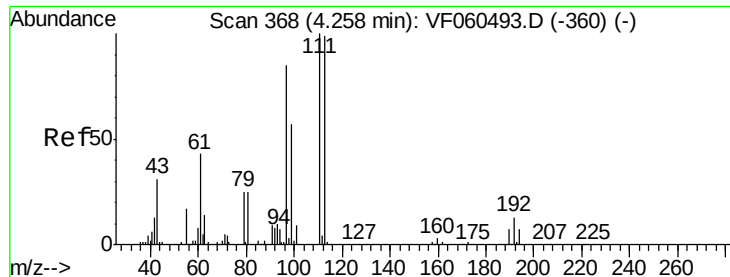
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.73 min Scan# 517
 Delta R.T. -0.00 min
 Lab File: VF060496.D
 Acq: 9 Oct 2018 17:39

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	40.2
88	20.0	0.0	40.2





#35

Dibromofluoromethane

Concen: 131.903 ug/l

RT: 4.26 min Scan# 368

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

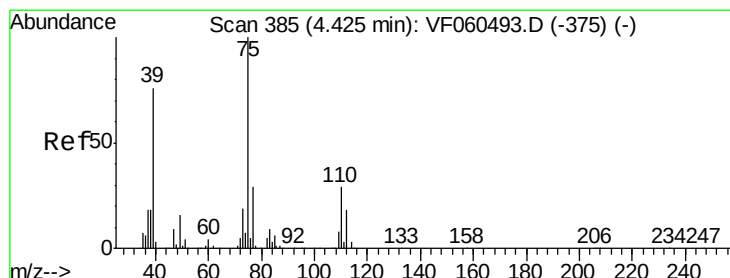
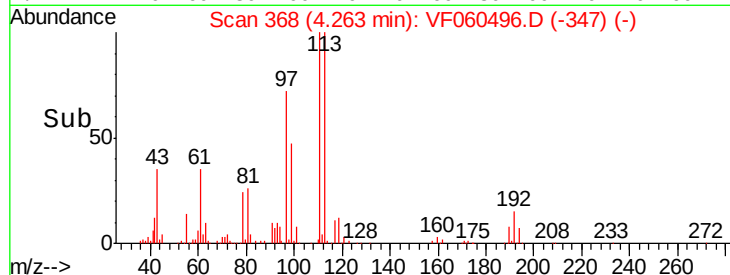
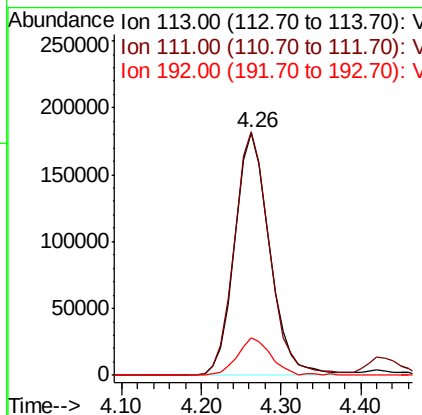
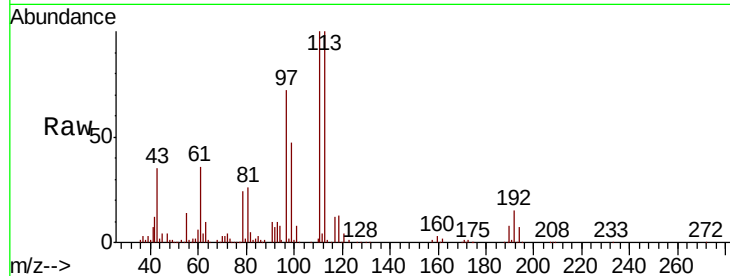
ClientSampleId :

VSTDIC150

Tot Ion:	113	Resp:	552022
Ion Ratio	Lower	Upper	
113	100		
111	100.2	81.0	121.6
192	15.5	10.7	16.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 124.265 ug/l

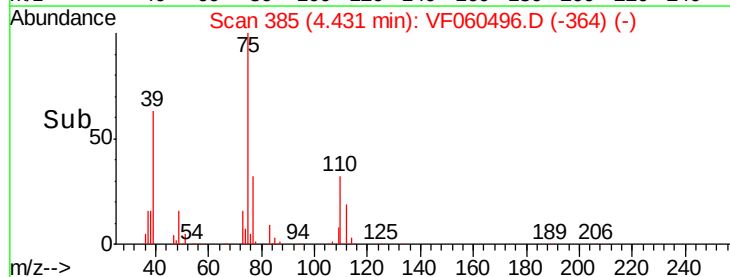
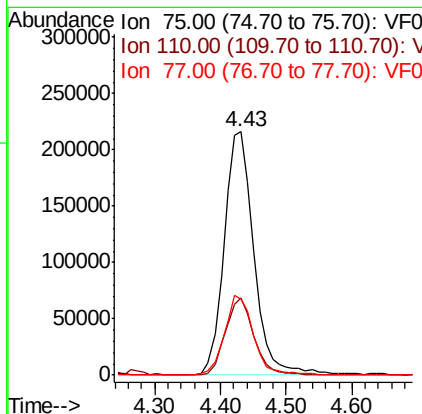
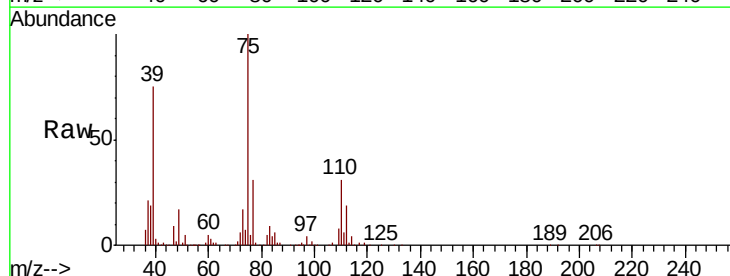
RT: 4.43 min Scan# 385

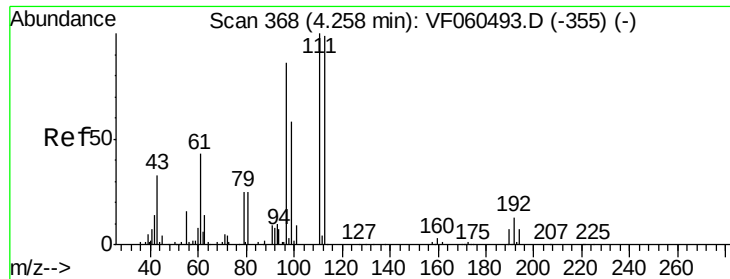
Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Tgt Ion:	75	Resp:	679985
Ion Ratio	Lower	Upper	
75	100		
110	31.5	14.4	43.2
77	31.3	23.5	35.3





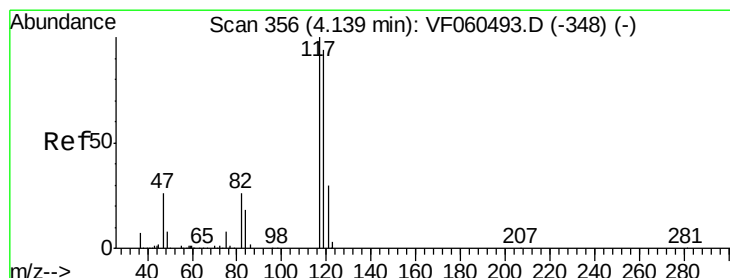
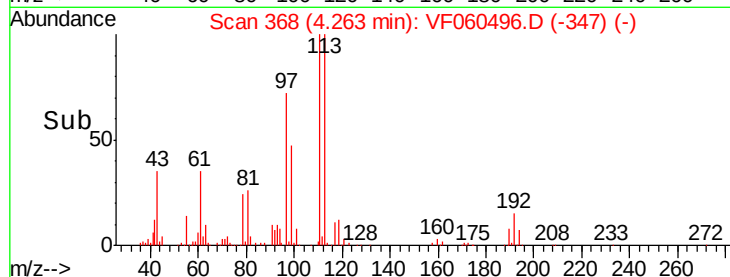
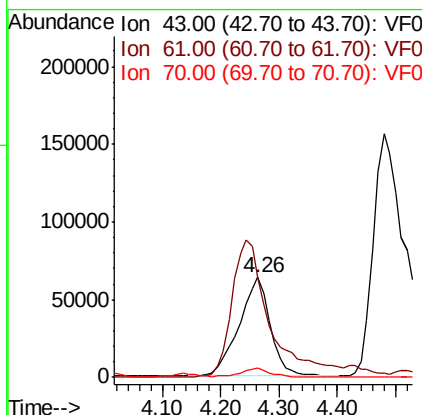
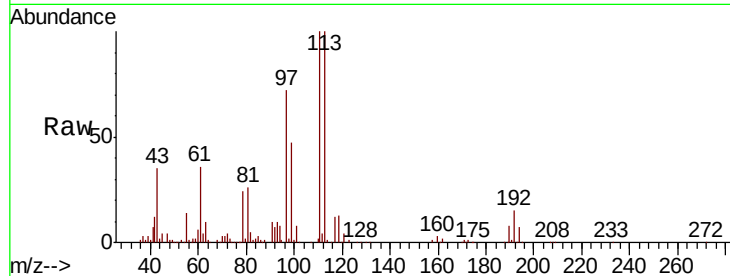
#37
Ethyl Acetate
Concen: 115.031 ug/l
RT: 4.26 min Scan# 368
Delta R.T. 0.01 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	101.0	106.5	159.7#
70	9.5	6.5	9.7

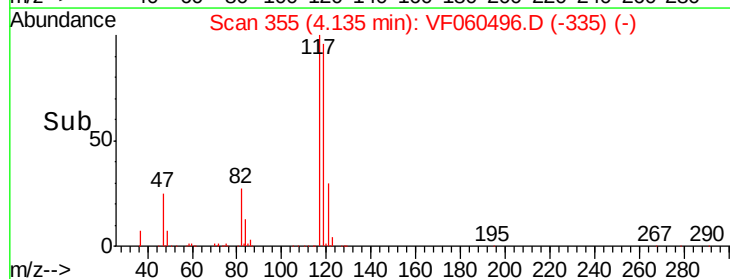
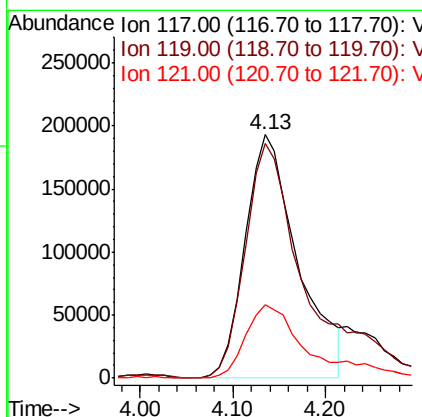
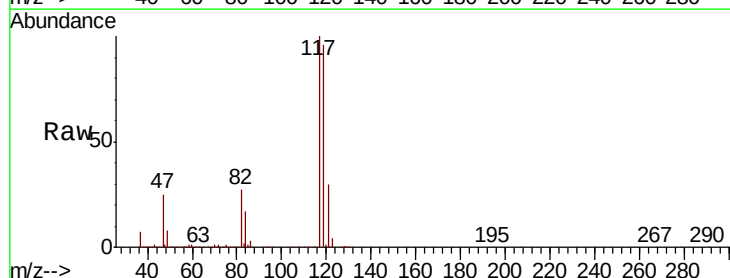
Manual Integrations
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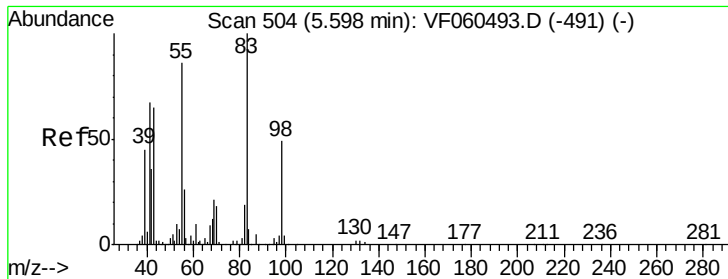
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#38
Carbon Tetrachloride
Concen: 117.812 ug/l m
RT: 4.13 min Scan# 355
Delta R.T. -0.00 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	75.0	112.4
121	30.4	23.8	35.6





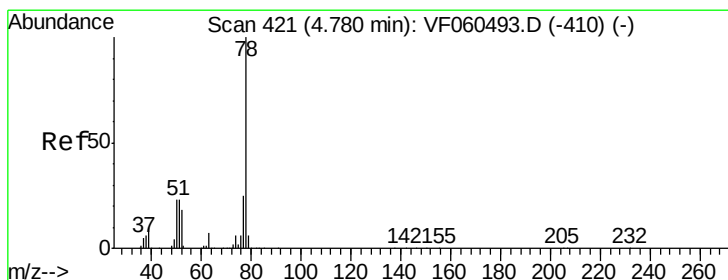
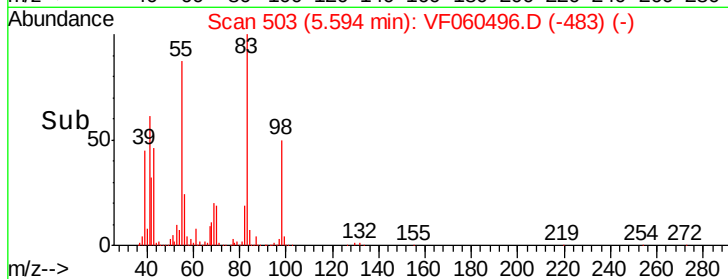
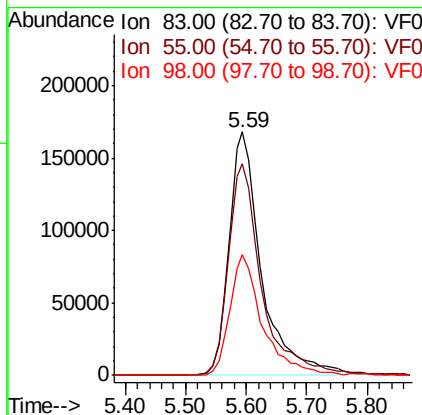
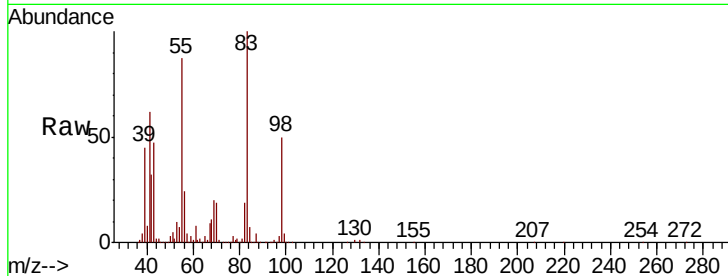
#39
Methylvlcyclohexane
Concen: 115.356 ug/l
RT: 5.59 min Scan# 503
Delta R.T. -0.00 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.9	69.2	103.8
98	49.7	39.6	59.4

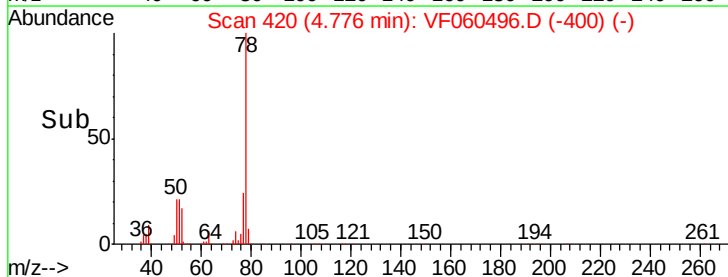
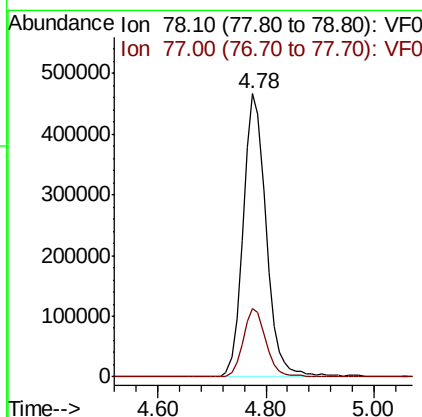
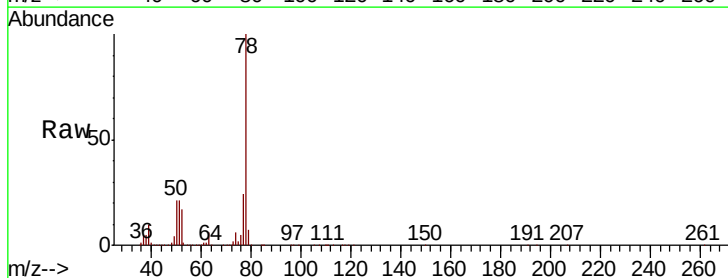
Manual Integrations
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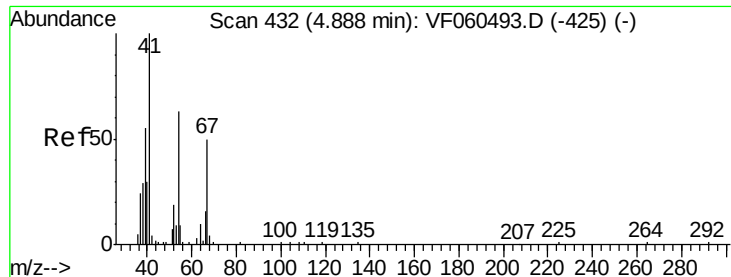
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#40
Benzene
Concen: 124.896 ug/l
RT: 4.78 min Scan# 420
Delta R.T. -0.00 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.8	29.8





#41

Methacrylonitrile

Concen: 123.215 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

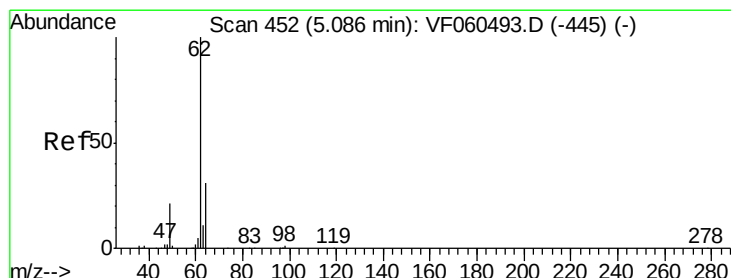
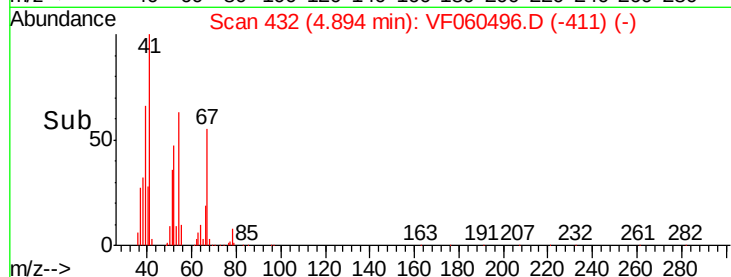
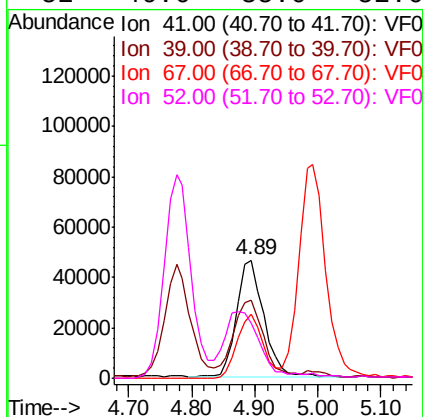
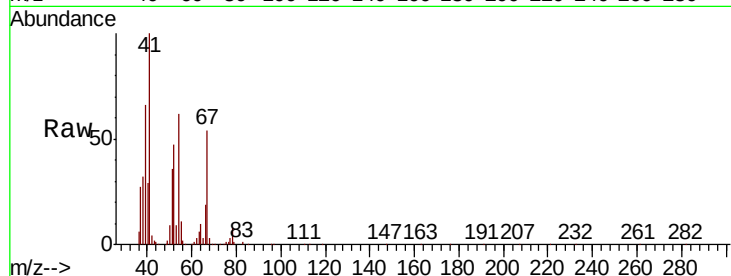
ClientSampleId :

VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	66.3	53.1	79.7	
67	53.9	39.4	59.0	
52	46.6	35.0	52.6	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 126.607 ug/l

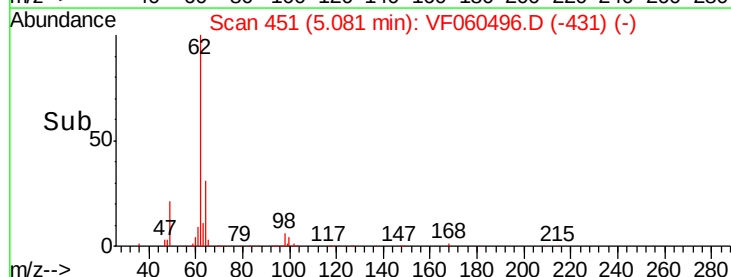
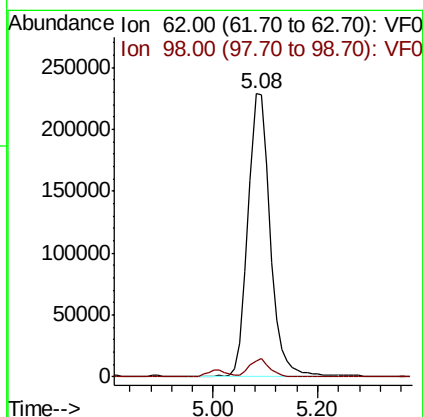
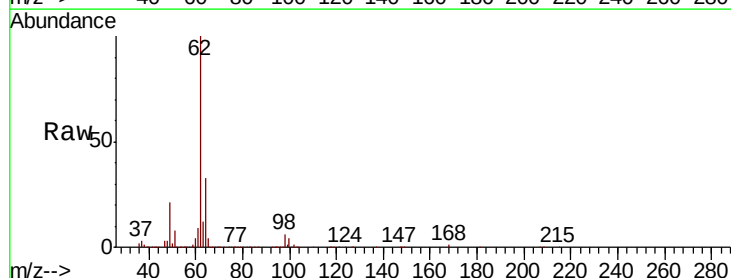
RT: 5.08 min Scan# 451

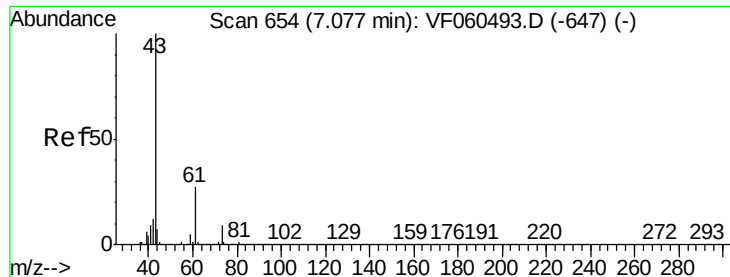
Delta R.T. -0.00 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	5.8	0.0	12.8	





#43

Isopropyl Acetate

Concen: 130.460 ug/l

RT: 7.08 min Scan# 654

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

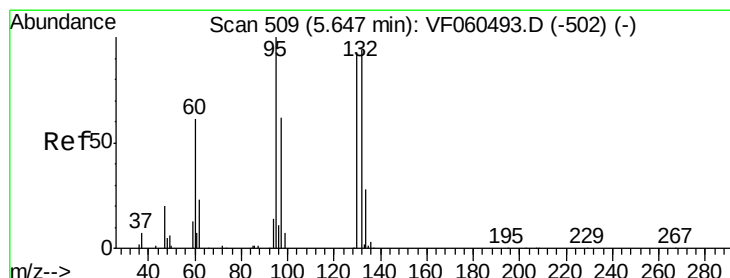
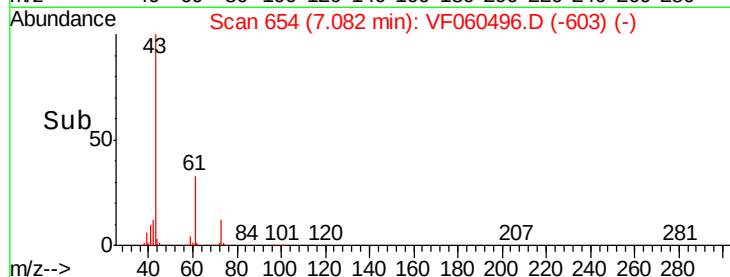
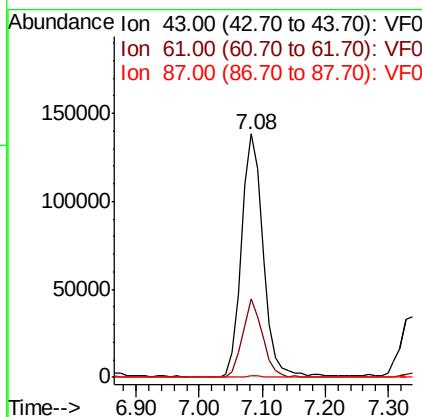
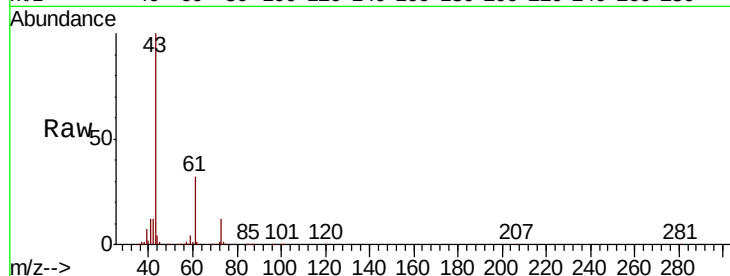
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	330974
Ion	Ratio	Lower	Upper
43	100		
61	32.4	21.6	32.4#
87	0.5	0.6	0.8#

Manual Integrations
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#44

Trichloroethene

Concen: 121.290 ug/l

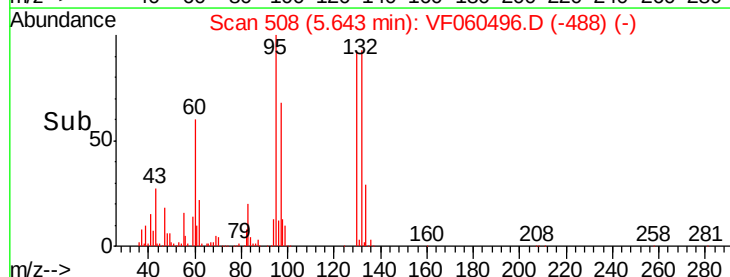
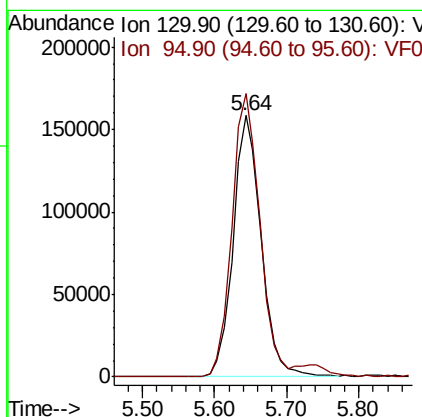
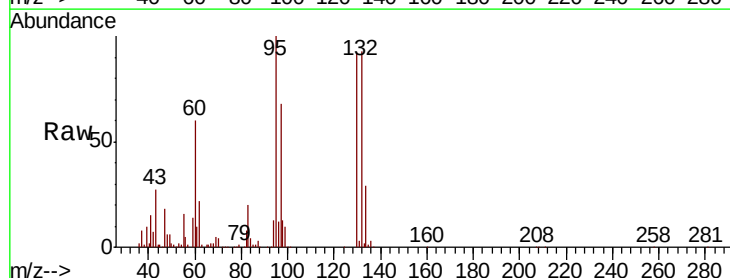
RT: 5.64 min Scan# 508

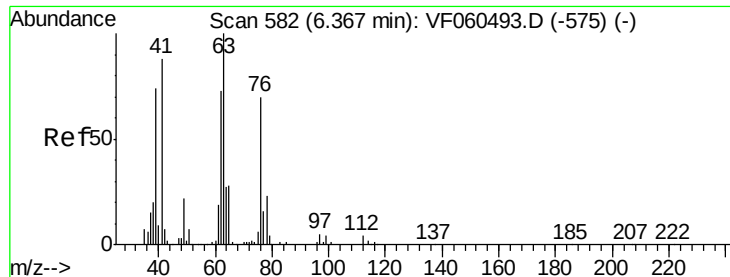
Delta R.T. -0.00 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Tgt Ion:	130	Resp:	429017
Ion	Ratio	Lower	Upper
130	100		
95	108.3	0.0	216.0





#45

1,2-Dichloropropane

Concen: 125.318 ug/l

RT: 6.37 min Scan# 582

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDICC150

Tot Ion: 63 Resp: 361962

Ion Ratio Lower Upper

63 100

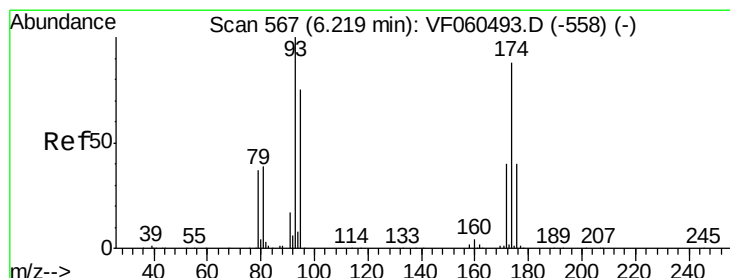
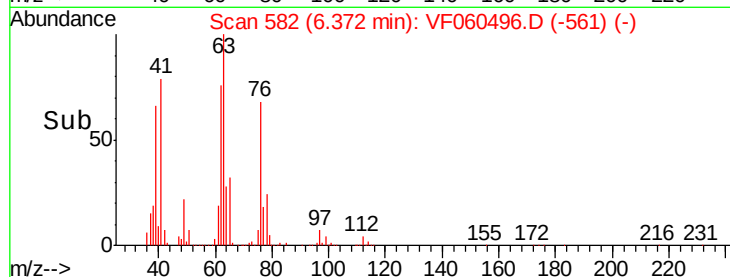
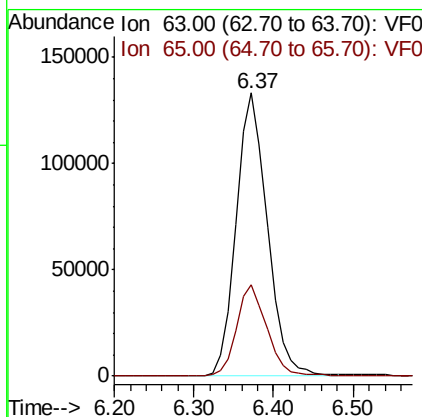
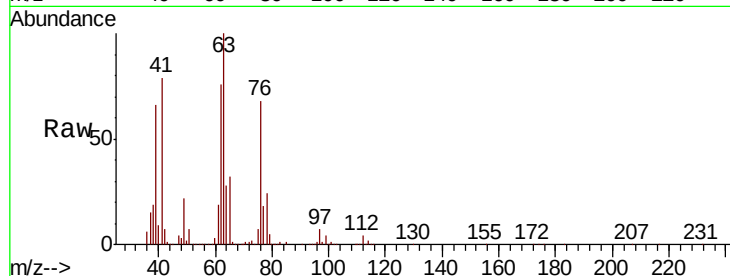
65 32.3 22.2 33.2

Manual Integrations

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#46

Dibromomethane

Concen: 123.441 ug/l

RT: 6.22 min Scan# 567

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

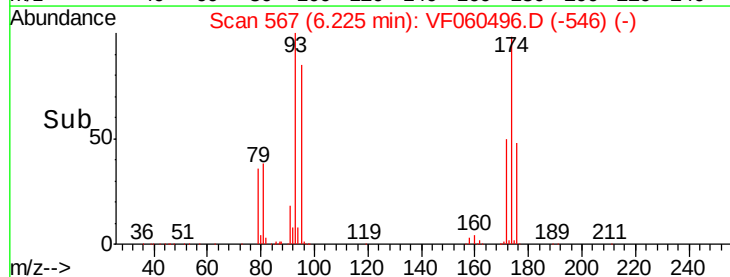
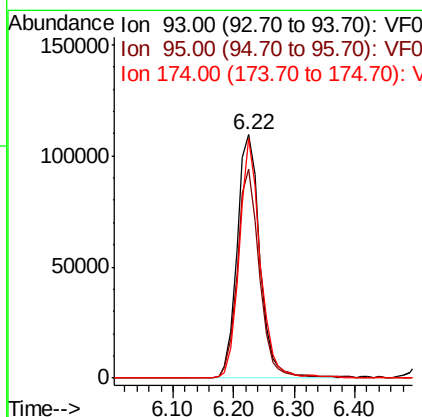
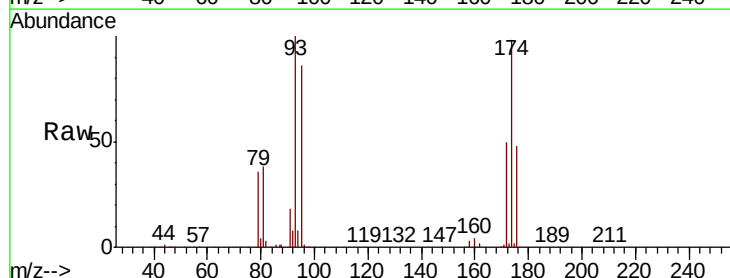
Tgt Ion: 93 Resp: 287235

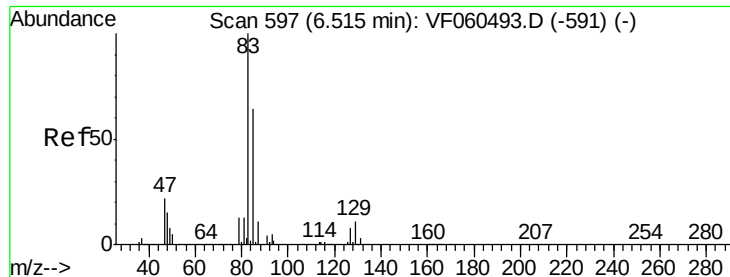
Ion Ratio Lower Upper

93 100

95 85.6 60.0 90.0

174 98.3 71.0 106.6





#47

Bromodichloromethane

Concen: 127.951 ug/l

RT: 6.52 min Scan# 597

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

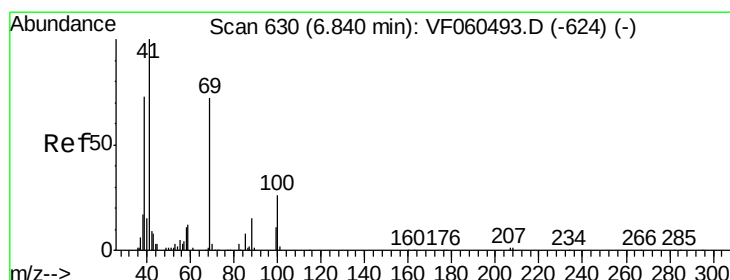
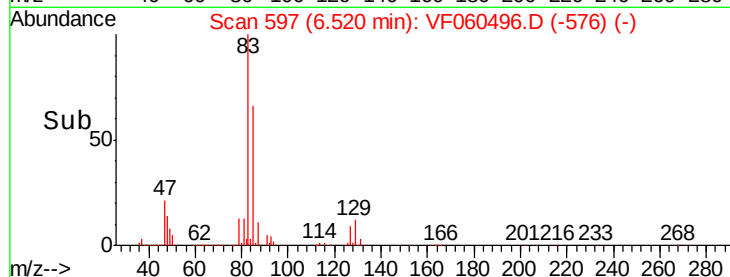
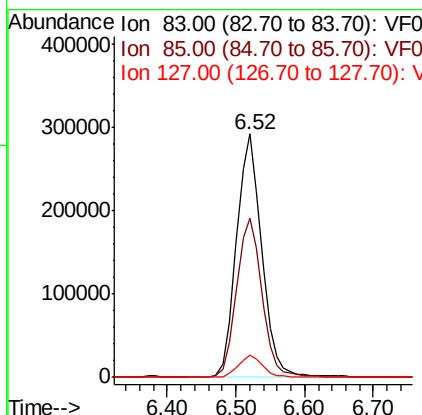
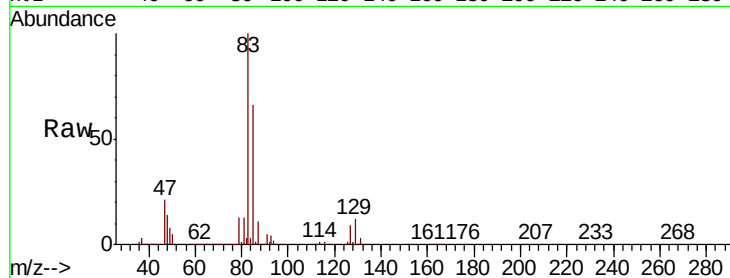
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	741774
Ion Ratio	Lower	Upper	
83	100		
85	65.6	51.2	76.8
127	9.3	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 127.178 ug/l

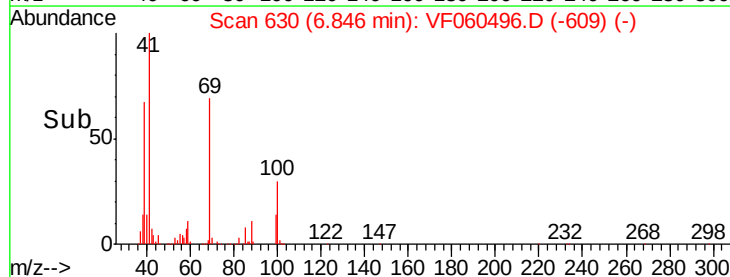
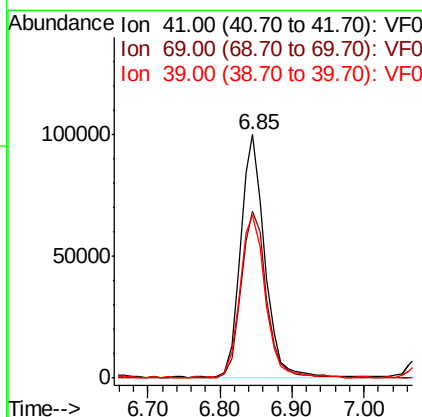
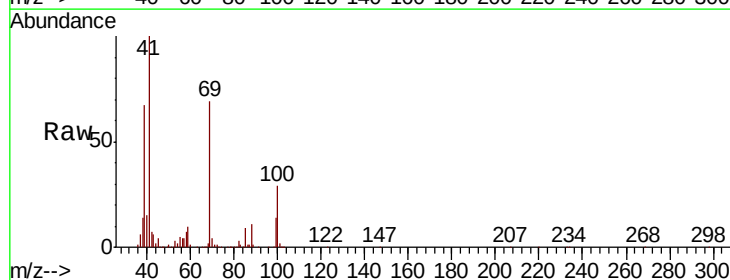
RT: 6.85 min Scan# 630

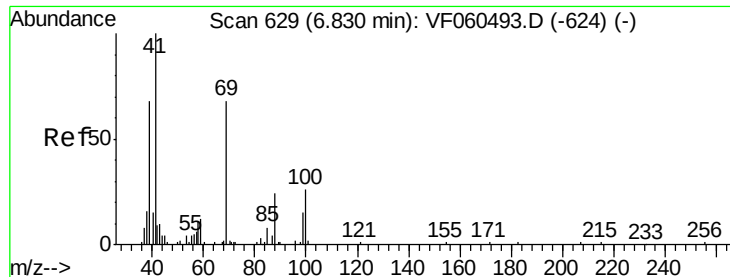
Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Tgt Ion:	41	Resp:	230653
Ion Ratio	Lower	Upper	
41	100		
69	68.6	57.8	86.8
39	66.7	59.1	88.7





#49

1,4-Dioxane

Concen: 2451.710 ug/l

RT: 6.84 min Scan# 629

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

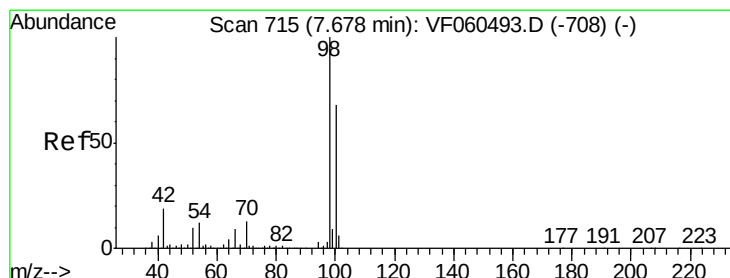
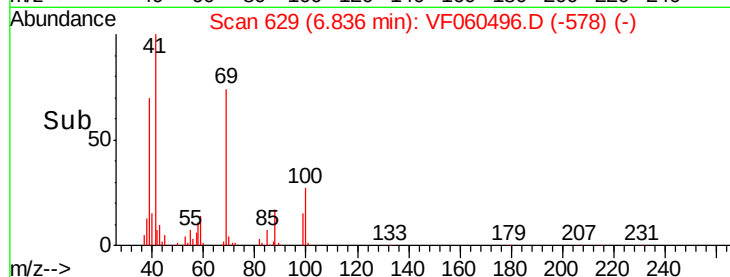
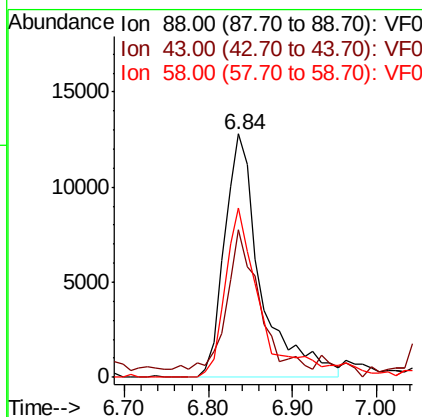
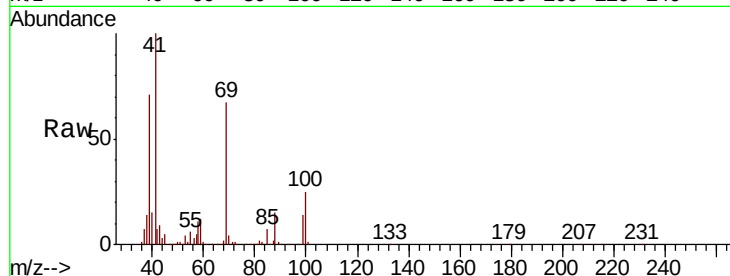
ClientSampleId :

VSTDIC150

Tot Ion:	88	Resp:	38439
Ion	Ratio	Lower	Upper
88	100		
43	60.7	40.2	60.2#
58	69.4	36.3	54.5#

Manual Integrations
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#50

Toluene-d8

Concen: 132.941 ug/l

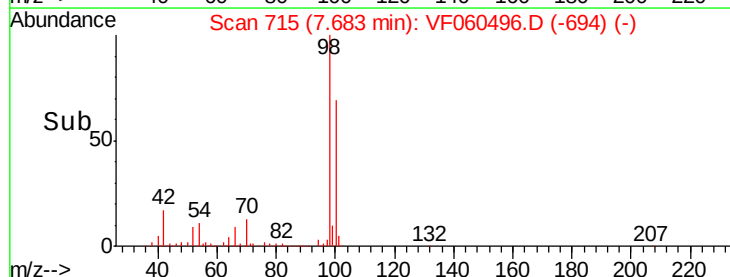
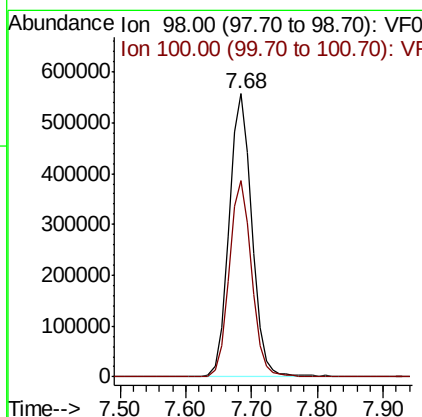
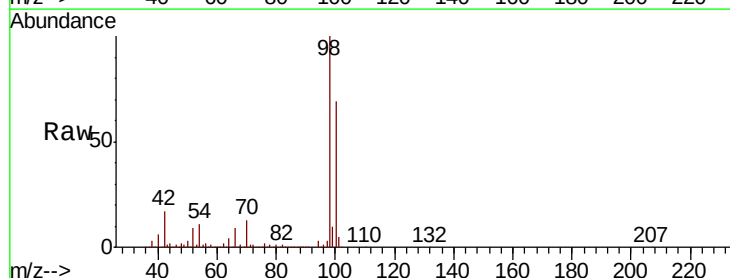
RT: 7.68 min Scan# 715

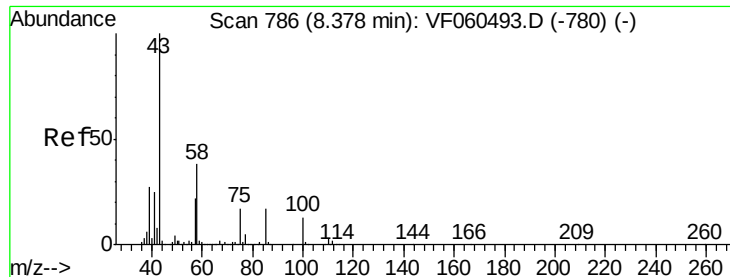
Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Tgt Ion:	98	Resp:	1357456
Ion	Ratio	Lower	Upper
98	100		
100	69.4	54.4	81.6





#51

4-Methyl-2-Pentanone

Concen: 572.335 ug/l

RT: 8.37 min Scan# 785

Delta R.T. -0.00 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Tot Ion: 43 Resp: 1030620

Ion Ratio Lower Upper

43 100

58 39.1 30.4 45.6

Instrument :

MSVOA_F

ClientSampleId :

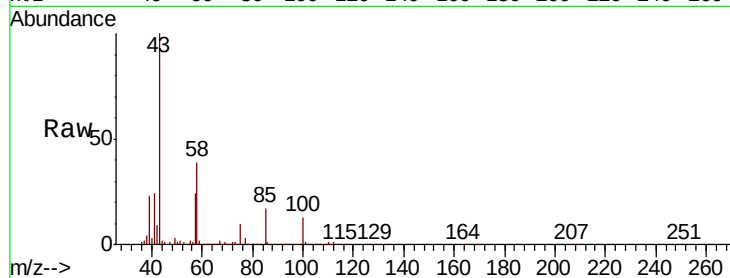
VSTDIC150

Manual Integrations

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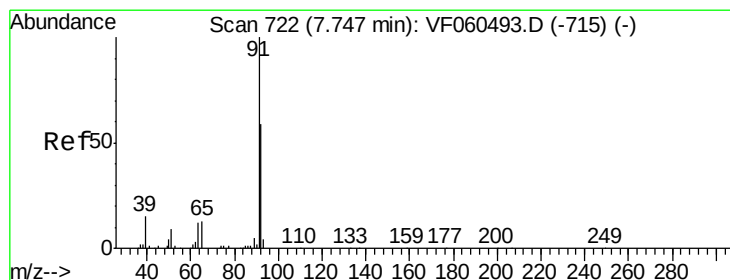
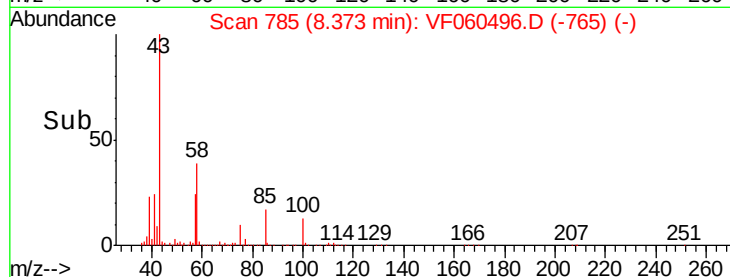
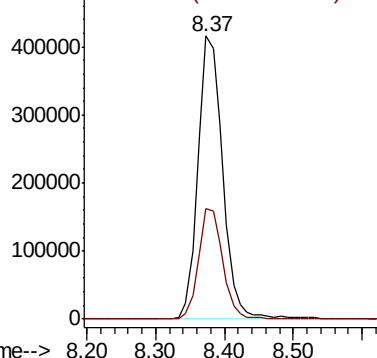
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 127.737 ug/l

RT: 7.75 min Scan# 722

Delta R.T. 0.01 min

Lab File: VF060496.D

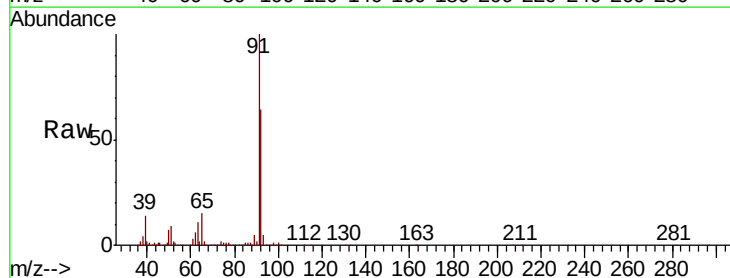
Acq: 9 Oct 2018 17:39

Tgt Ion: 92 Resp: 944445

Ion Ratio Lower Upper

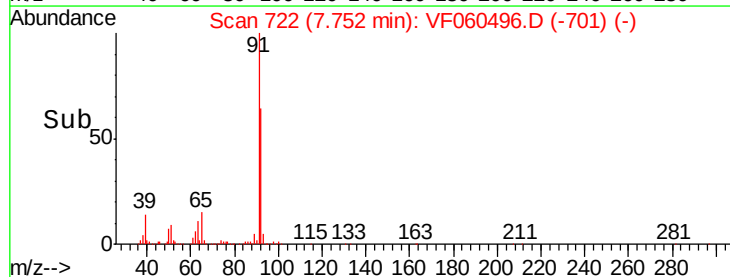
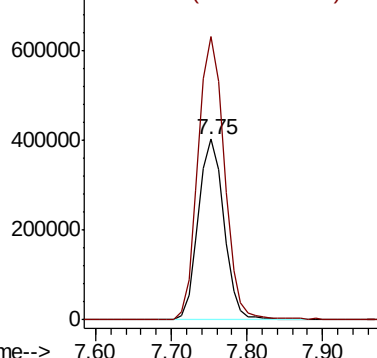
92 100

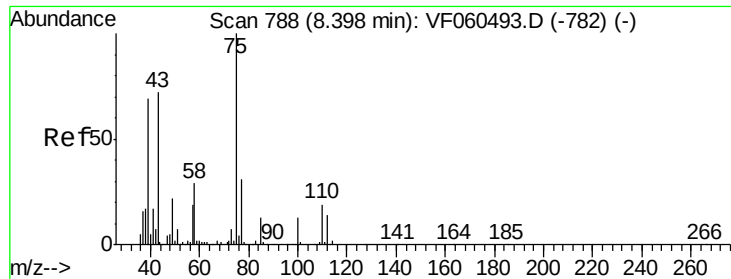
91 156.6 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 126.720 ug/l

RT: 8.40 min Scan# 788

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 575187

Ion Ratio Lower Upper

75 100

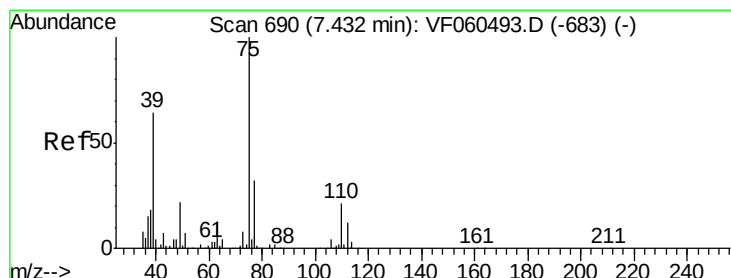
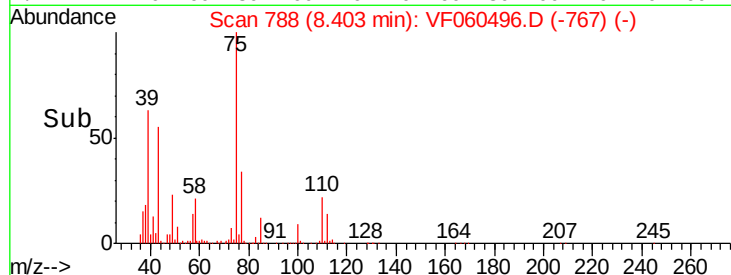
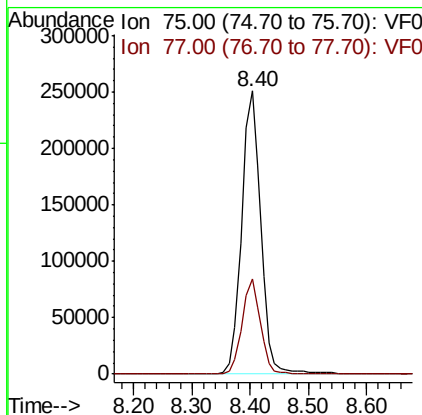
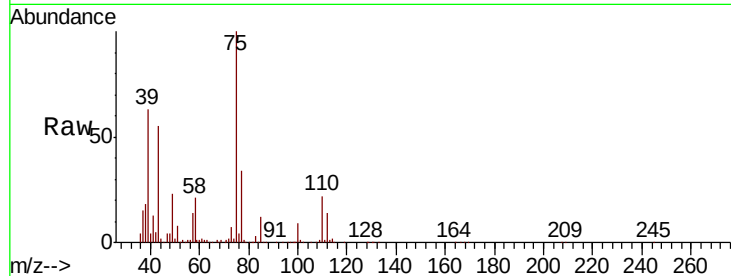
77 33.8 25.2 37.8

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#54

cis-1,3-Dichloropropene

Concen: 130.071 ug/l

RT: 7.43 min Scan# 689

Delta R.T. -0.00 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

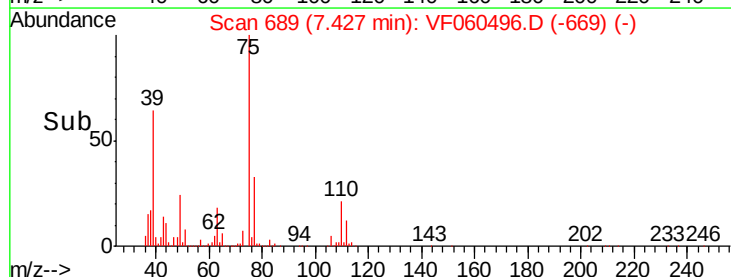
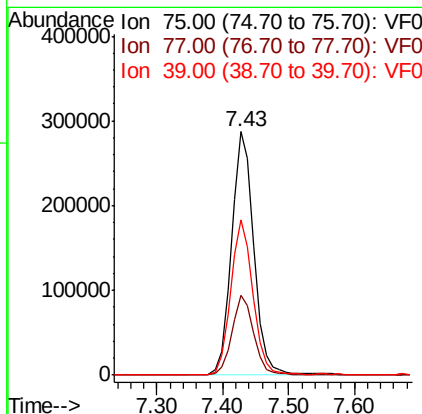
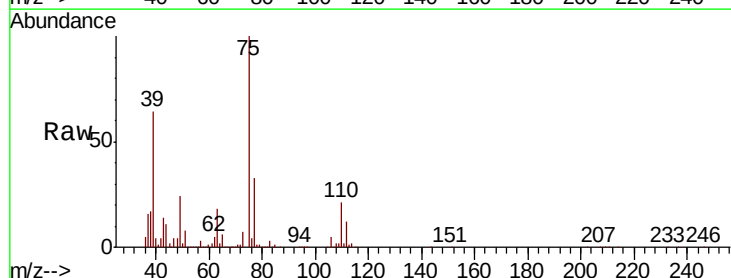
Tgt Ion: 75 Resp: 683422

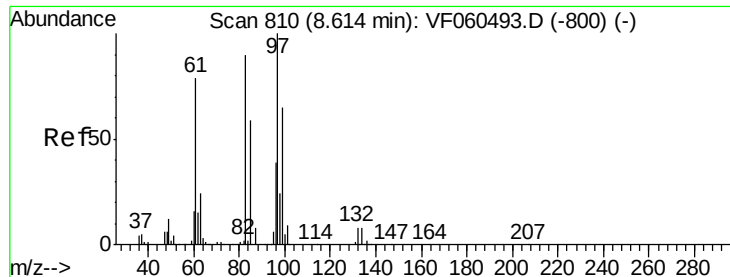
Ion Ratio Lower Upper

75 100

77 32.7 26.0 39.0

39 63.8 51.2 76.8





#55

1,1,2-Trichloroethane

Concen: 130.004 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.00 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 97 Resp: 304483

Ion Ratio Lower Upper

97 100

83 87.7 71.9 107.9

85 57.1 47.8 71.8

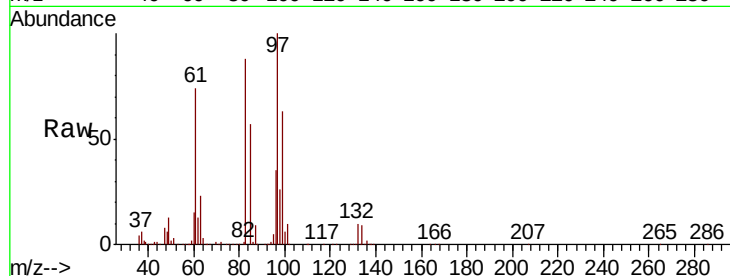
99 63.0 52.0 78.0

Manual Integrations

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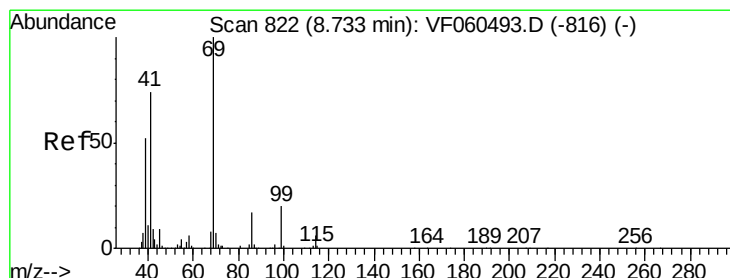
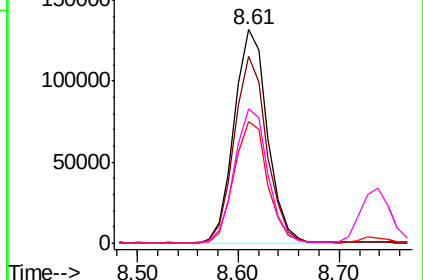
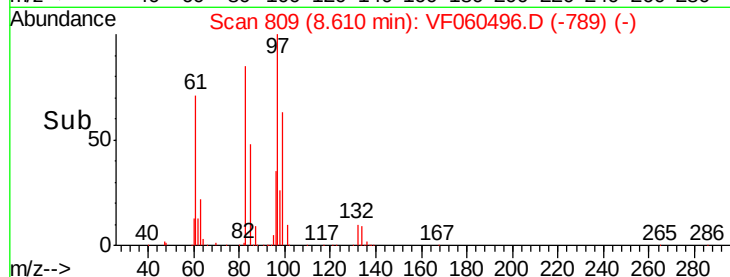


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 133.657 ug/l

RT: 8.74 min Scan# 822

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

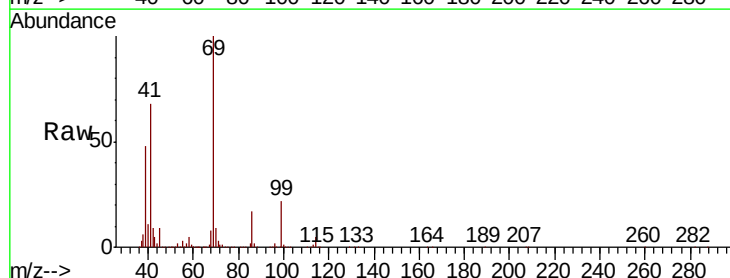
Tgt Ion: 69 Resp: 354390

Ion Ratio Lower Upper

69 100

41 68.4 59.3 88.9

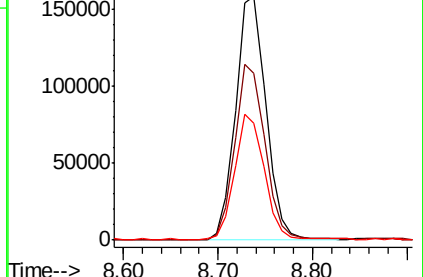
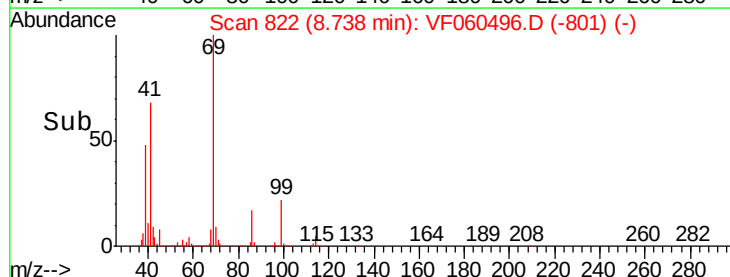
39 48.2 41.8 62.6

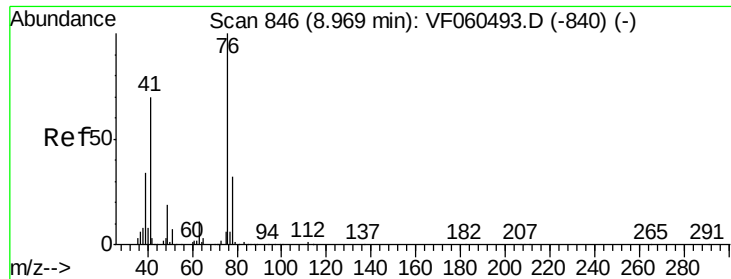


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





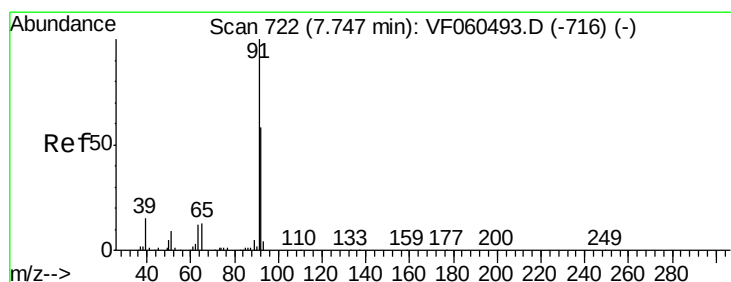
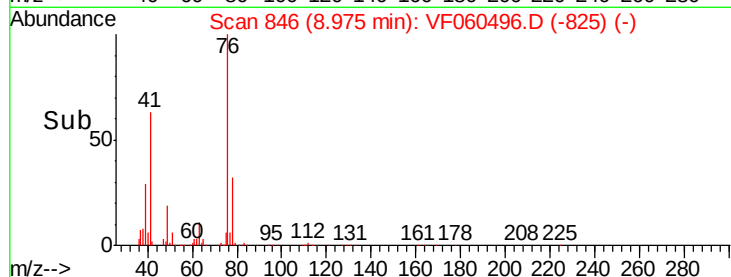
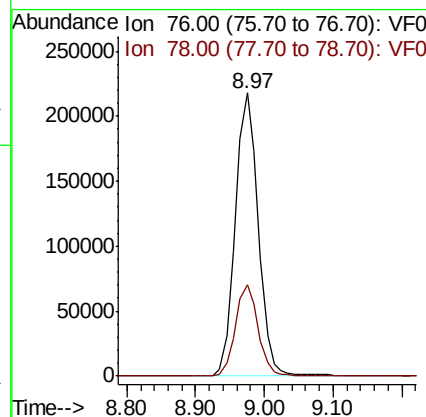
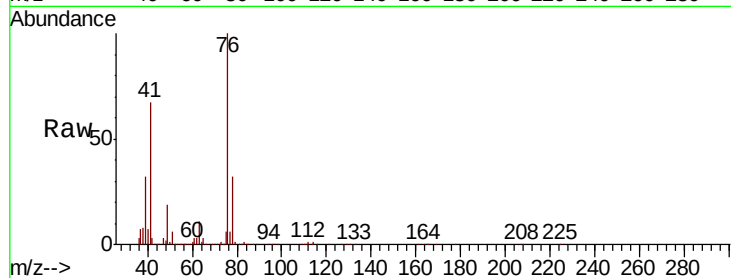
#57
 1,3-Dichloropropane
 Concen: 127.453 ug/l
 RT: 8.97 min Scan# 846
 Delta R.T. 0.01 min
 Lab File: VF060496.D
 Acq: 9 Oct 2018 17:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.3	37.9

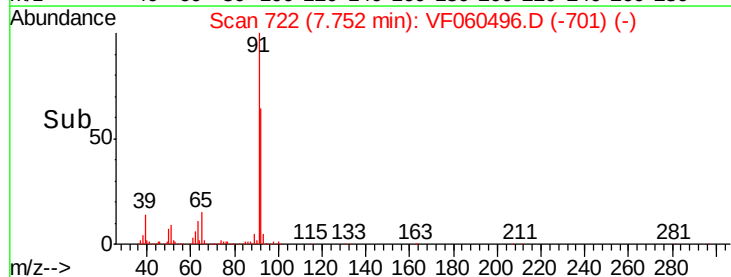
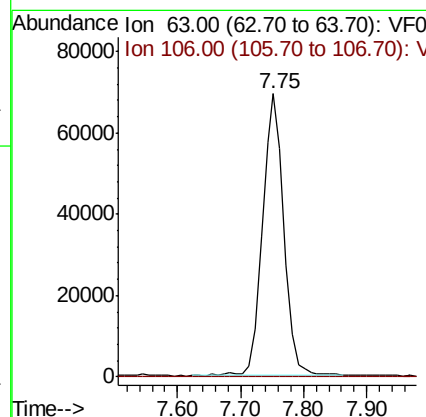
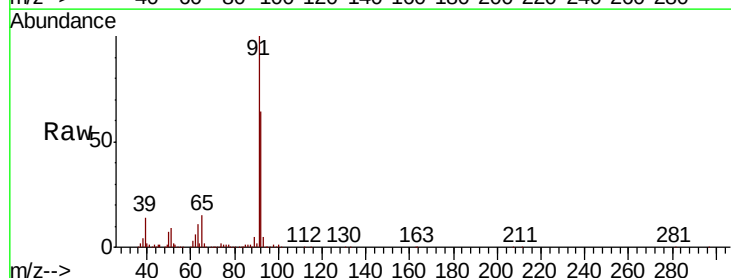
Manual Integrations
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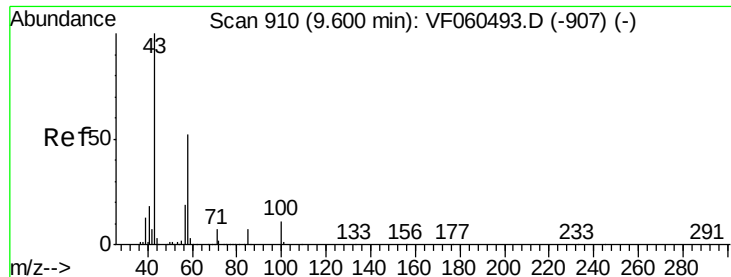
apatel
 10/10/2018 12:34:03 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 601.911 ug/l
 RT: 7.75 min Scan# 722
 Delta R.T. 0.01 min
 Lab File: VF060496.D
 Acq: 9 Oct 2018 17:39

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





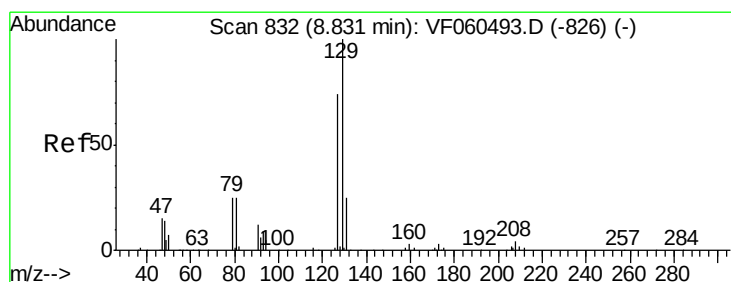
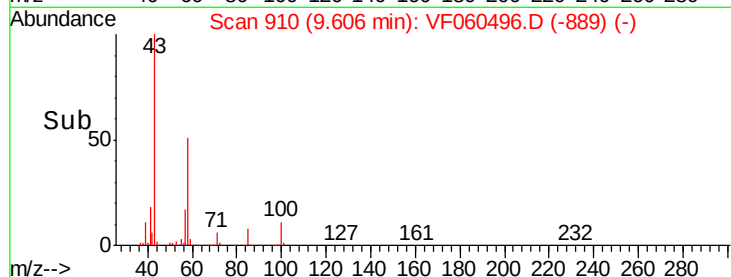
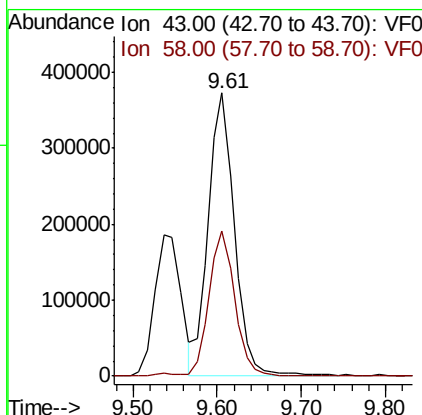
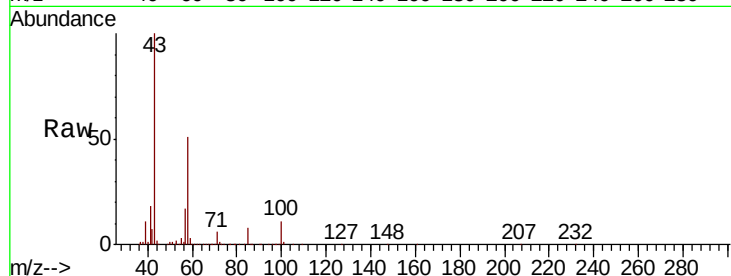
#59
2-Hexanone
Concen: 605.908 ug/l
RT: 9.61 min Scan# 910
Delta R.T. 0.01 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.2	24.2	72.6

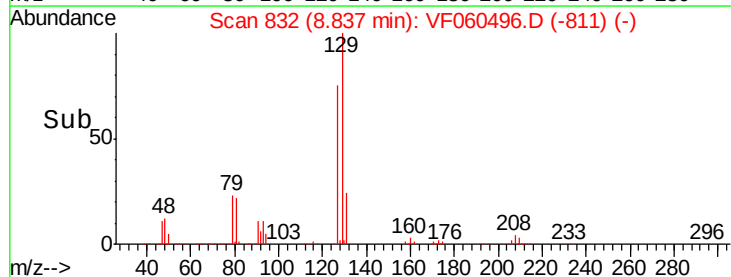
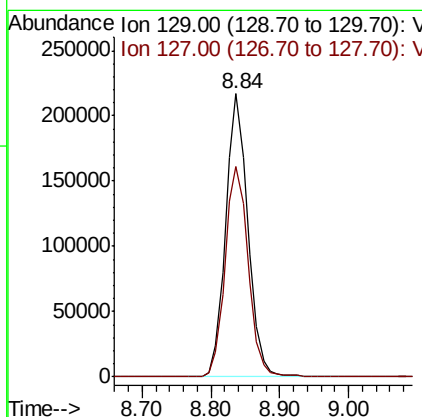
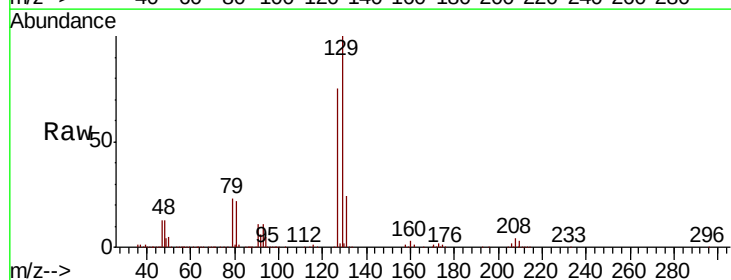
Manual Integrations
APPROVED

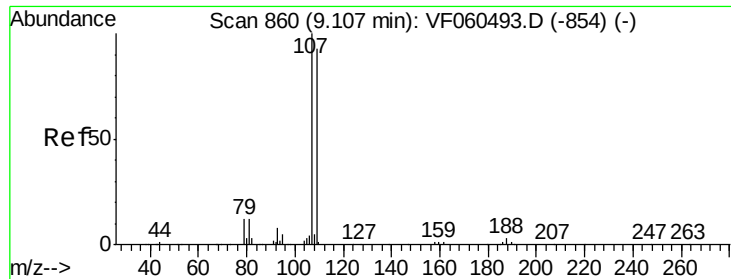
apatel
10/10/2018 12:34:03 PM



#60
Dibromochloromethane
Concen: 138.092 ug/l
RT: 8.84 min Scan# 832
Delta R.T. 0.01 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.5	37.0	110.9





#61

1,2-Dibromoethane

Concen: 136.670 ug/l

RT: 9.11 min Scan# 860

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 350196

Ion Ratio Lower Upper

107 100

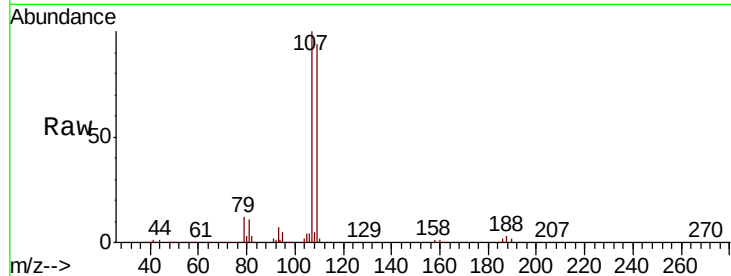
109 93.6 74.6 112.0

Manual Integrations

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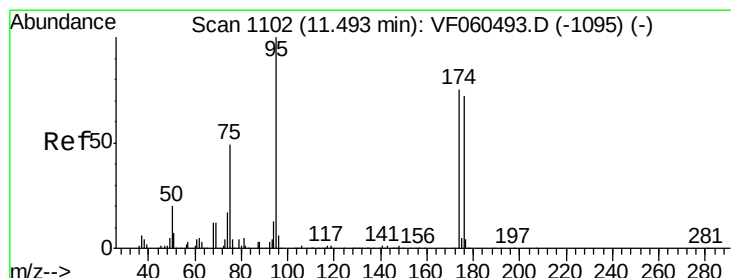
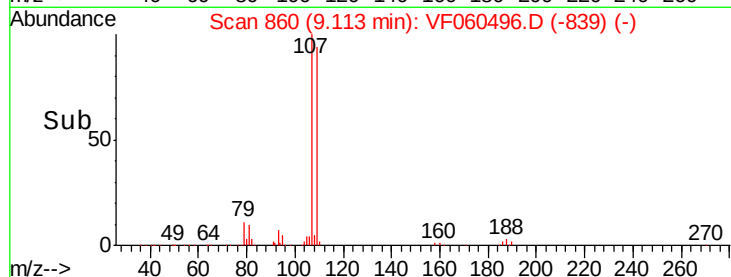
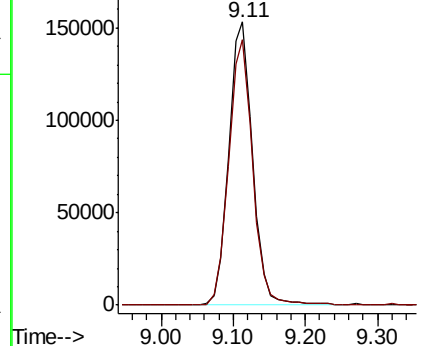
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 127.218 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

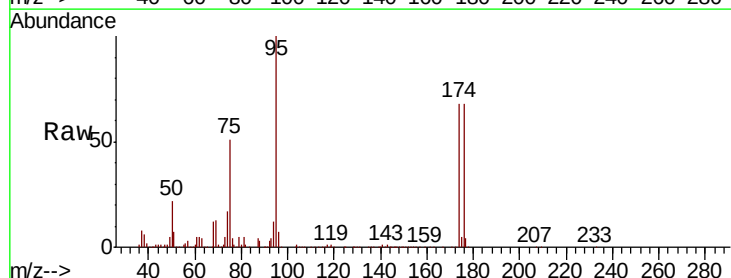
Tgt Ion: 95 Resp: 594688

Ion Ratio Lower Upper

95 100

174 68.4 0.0 150.4

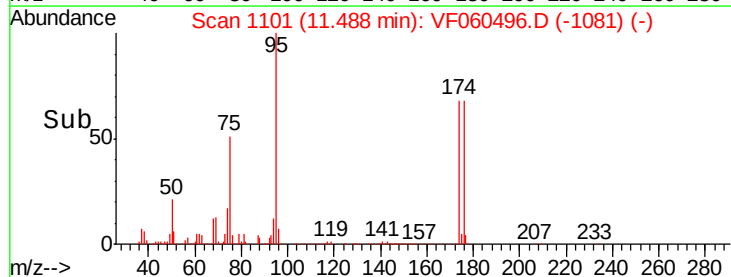
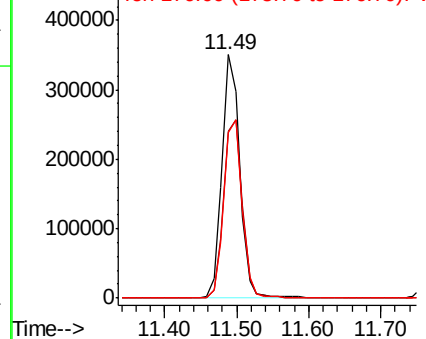
176 68.0 0.0 144.6

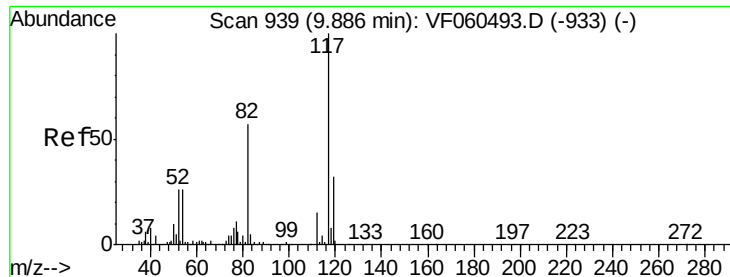


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





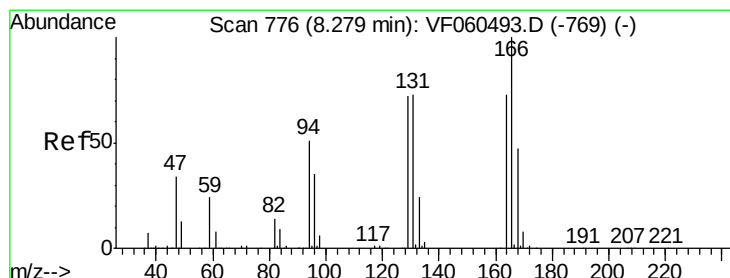
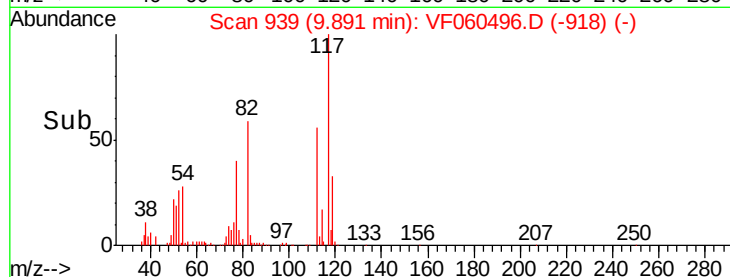
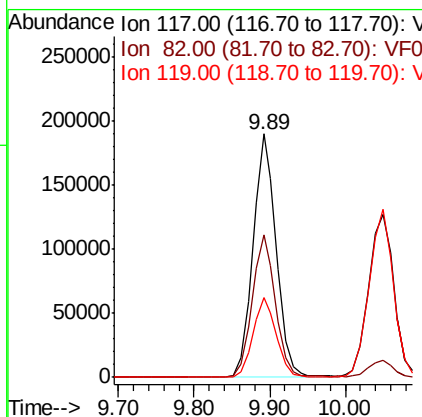
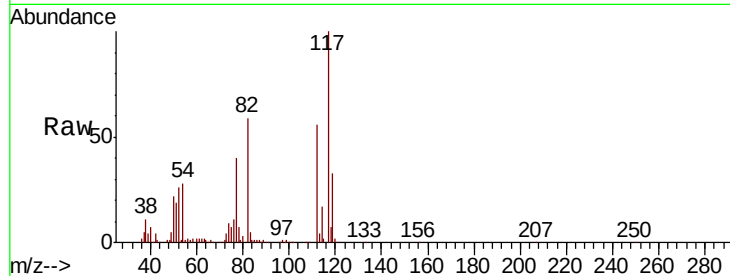
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 939
Delta R.T. 0.01 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.6	45.6	68.4
119	33.0	25.3	37.9

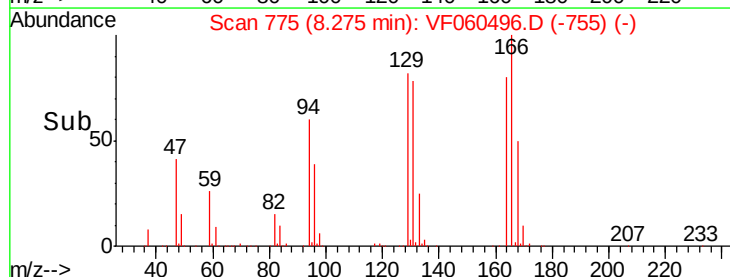
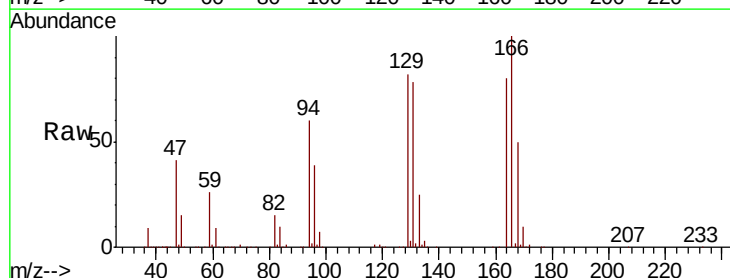
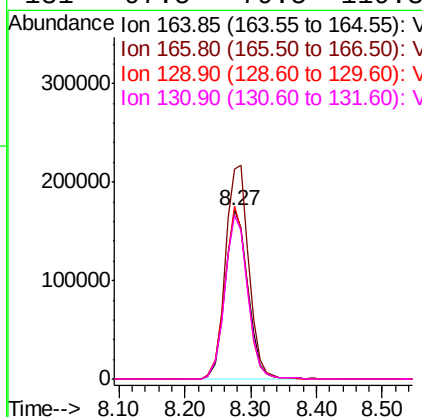
Manual Integrations
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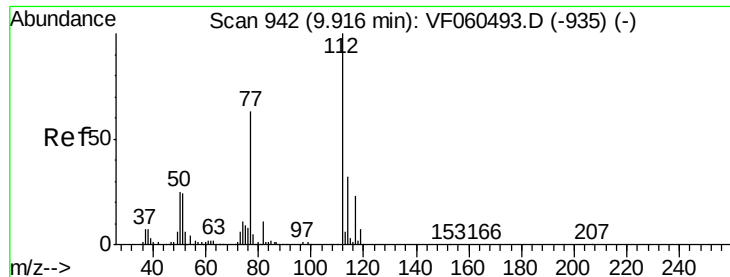
apatel
10/10/2018 12:34:03 PM



#64
Tetrachloroethene
Concen: 127.746 ug/l
RT: 8.27 min Scan# 775
Delta R.T. -0.00 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.9	109.4	164.0
129	102.2	78.9	118.3
131	97.5	79.5	119.3





#65

Chlorobenzene

Concen: 125.255 ug/l

RT: 9.92 min Scan# 942

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 1044823

Ion Ratio Lower Upper

112 100

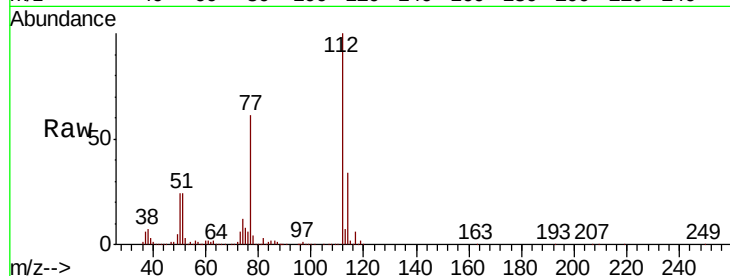
114 33.6 25.9 38.9

Manual Integrations

APPROVED

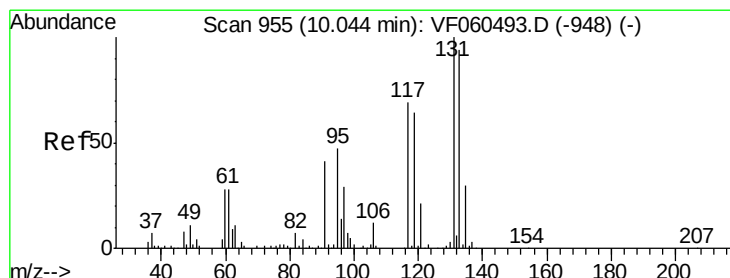
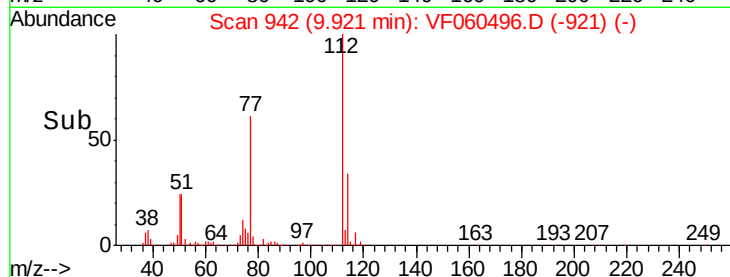
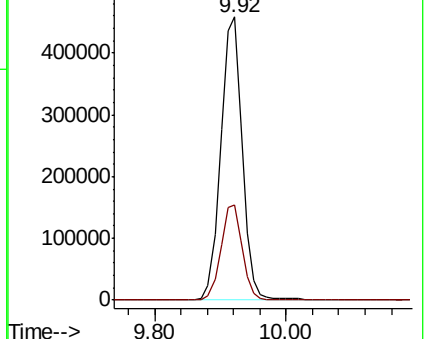
apatel

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 123.844 ug/l

RT: 10.05 min Scan# 955

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

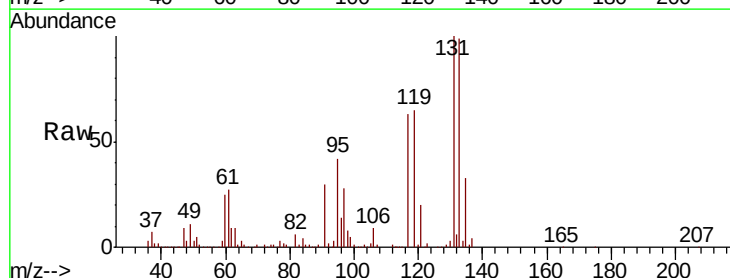
Tgt Ion:131 Resp: 452202

Ion Ratio Lower Upper

131 100

133 99.0 47.1 141.4

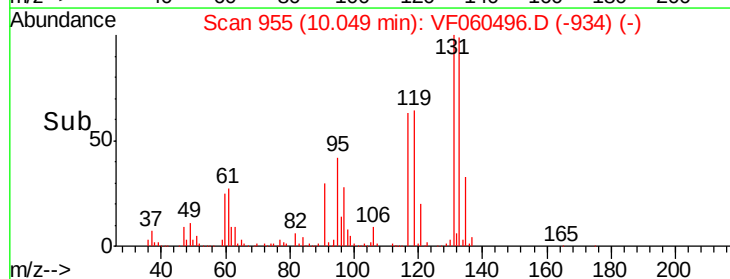
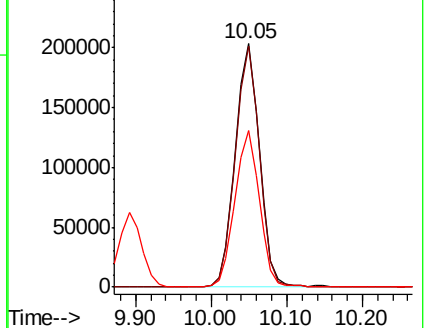
119 64.5 32.0 96.2

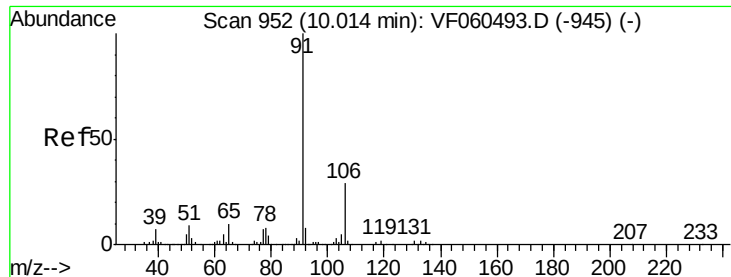


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





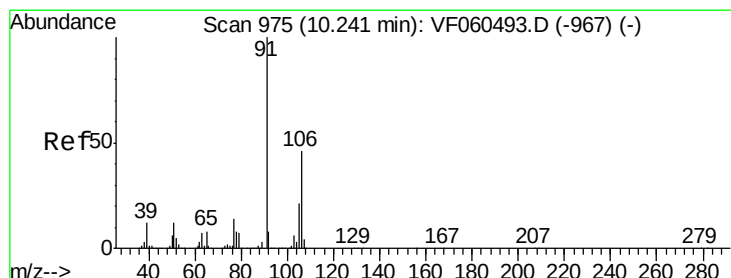
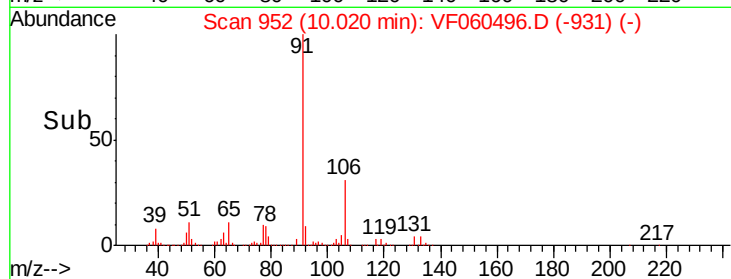
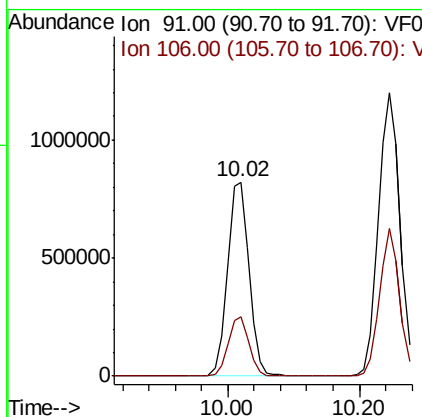
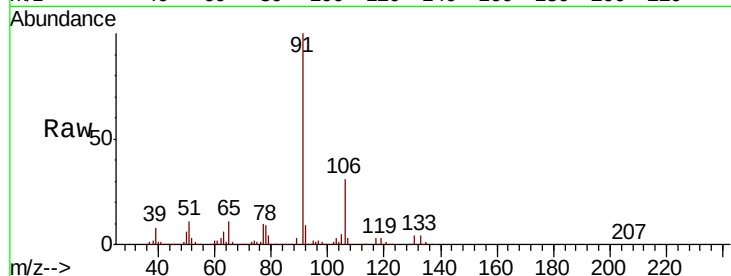
#67
Ethyl Benzene
Concen: 119.289 ug/l
RT: 10.02 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1896368
Ion Ratio Lower Upper
91 100
106 30.9 23.3 34.9

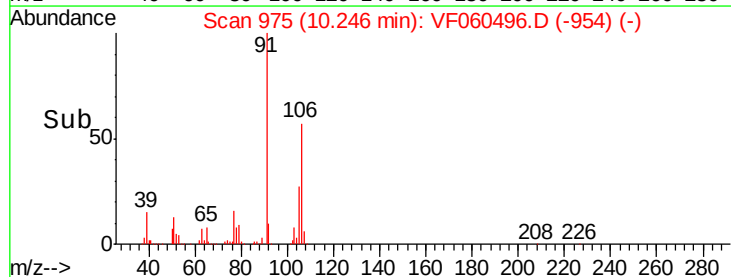
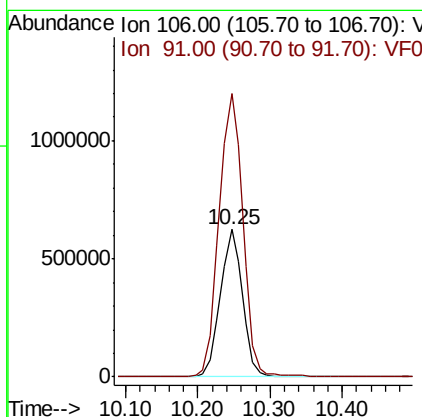
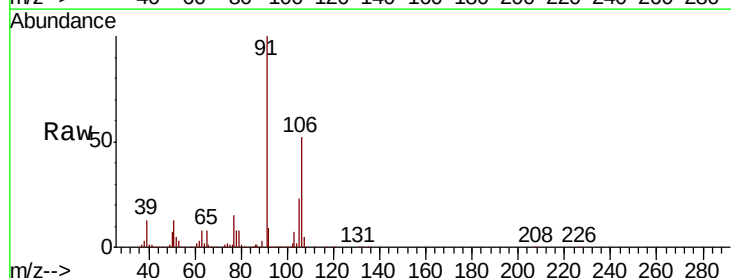
Manual Integrations
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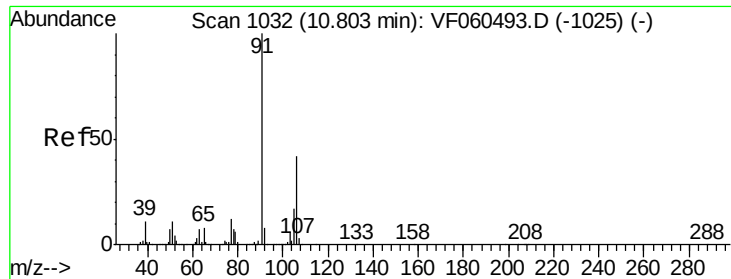
apatel
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#68
m/p-Xylenes
Concen: 242.701 ug/l
RT: 10.25 min Scan# 975
Delta R.T. 0.01 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Tgt Ion: 106 Resp: 1319851
Ion Ratio Lower Upper
106 100
91 192.3 174.6 262.0





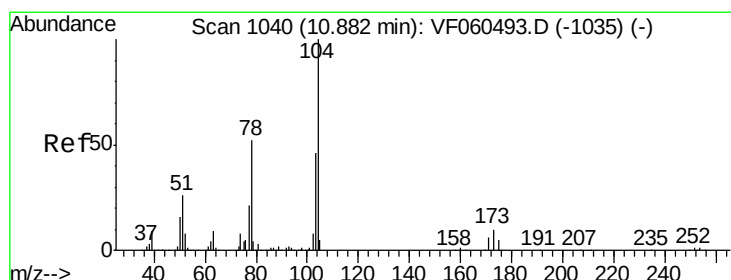
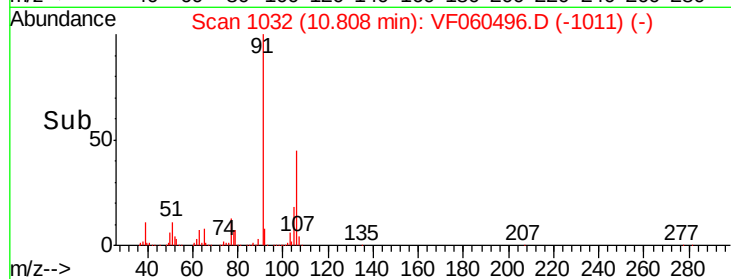
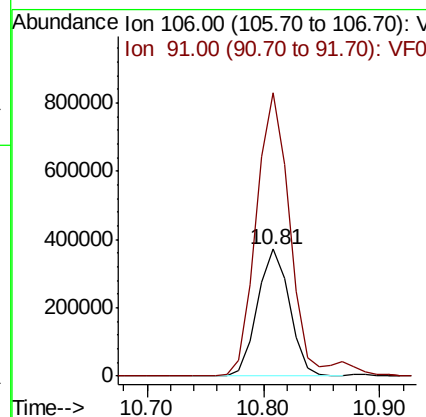
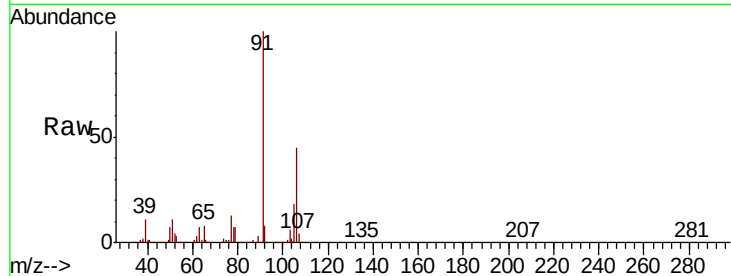
#69
o-Xylene
Concen: 119.501 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
106	100		
91	222.9	118.8	356.3

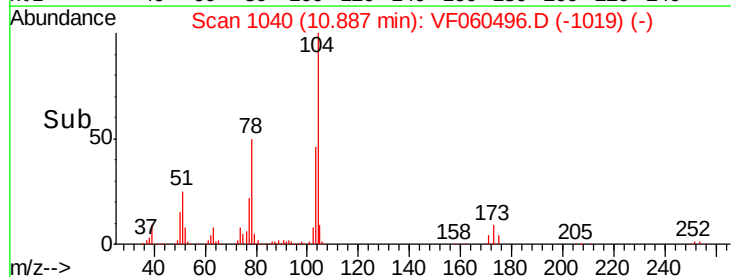
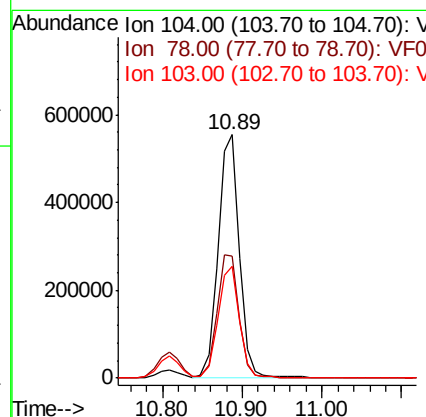
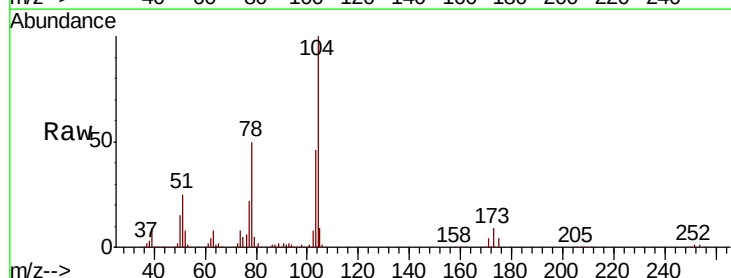
Manual Integrations
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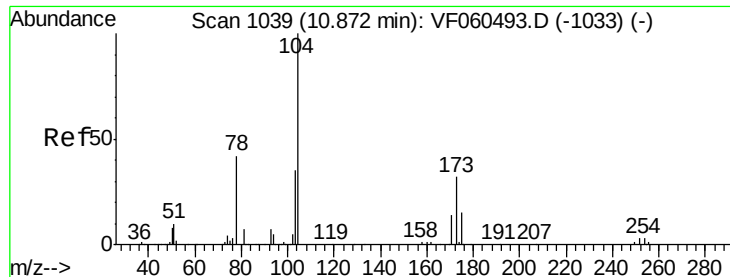
apatel
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#70
Styrene
Concen: 122.716 ug/l
RT: 10.89 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.3	42.7	64.1
103	46.2	37.6	56.4





#71

Bromoform

Concen: 135.042 ug/l

RT: 10.87 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

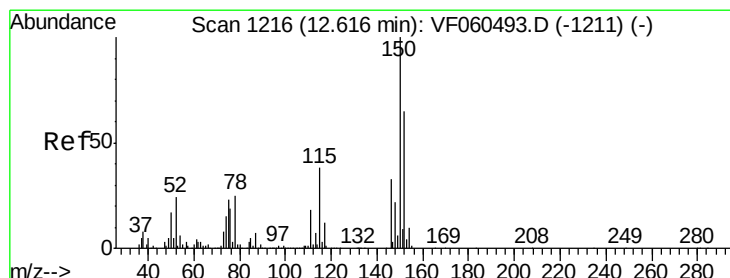
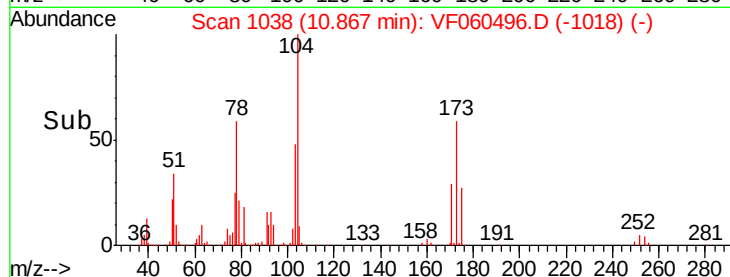
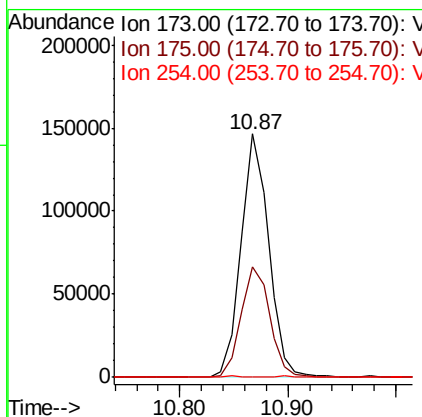
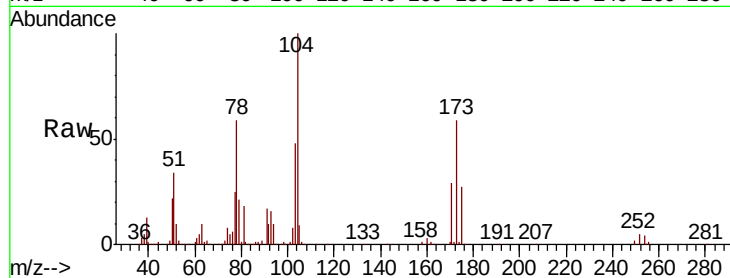
ClientSampleId :

VSTDIC150

Tot Ion:	173	Resp:	261692
Ion Ratio	Lower	Upper	
173	100		
175	44.8	23.2	69.6
254	0.1	0.2	0.2#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

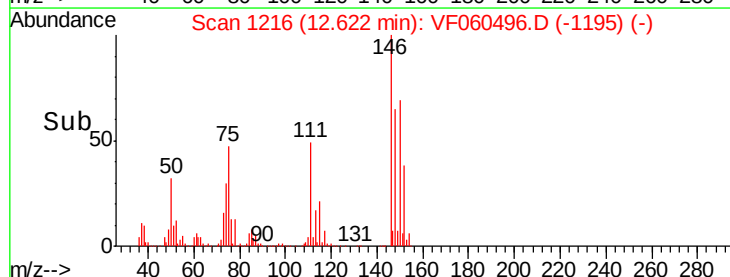
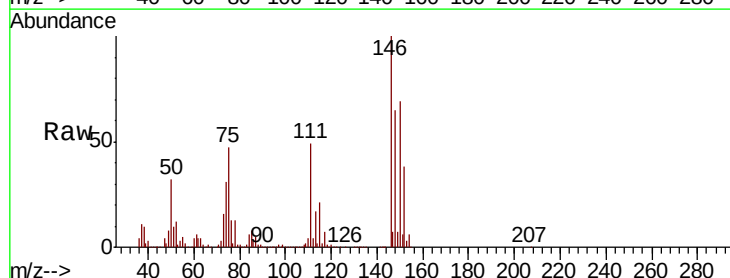
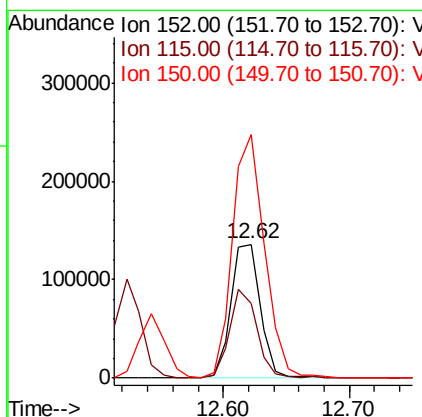
RT: 12.62 min Scan# 1216

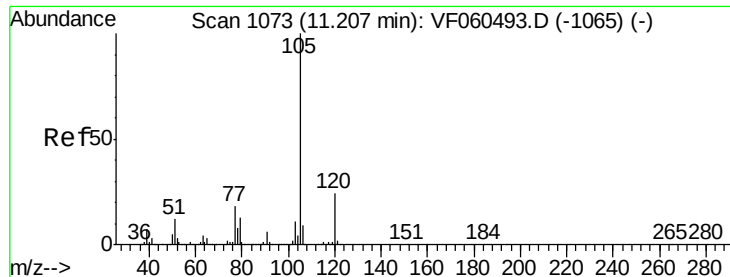
Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Tgt Ion:	152	Resp:	219417
Ion Ratio	Lower	Upper	
152	100		
115	56.1	29.5	88.5
150	181.7	0.0	310.0





#73

Isopropylbenzene

Concen: 117.420 ug/l

RT: 11.21 min Scan# 1073

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2044188

Ion Ratio Lower Upper

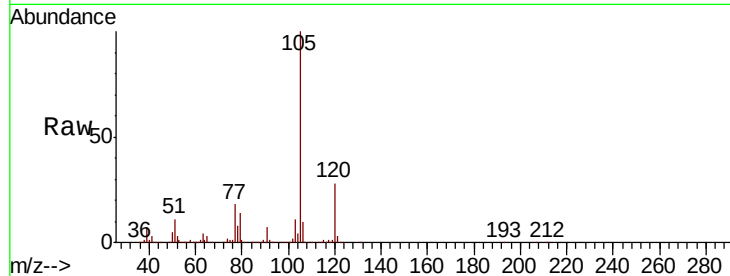
105 100

120 27.9 11.9 35.9

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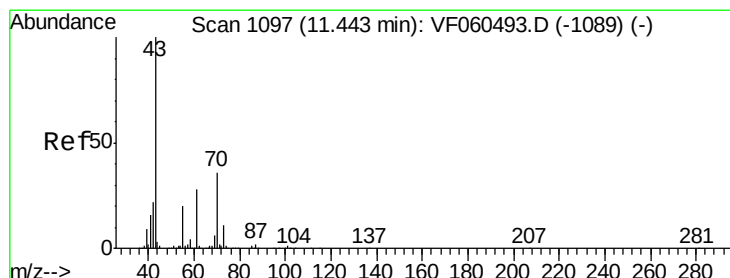
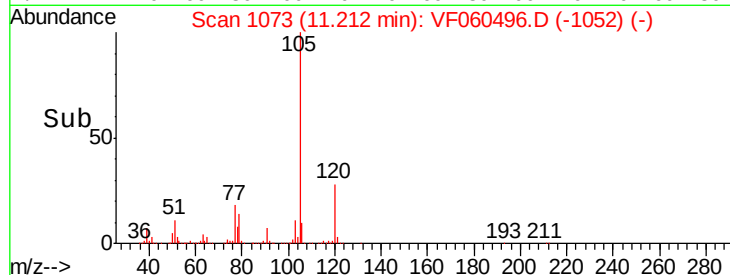
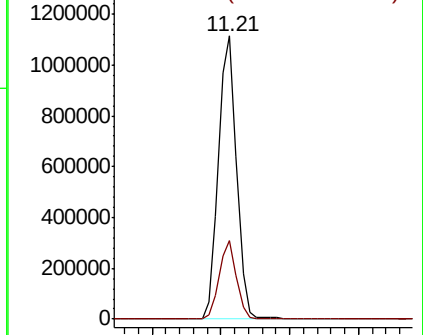
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 128.093 ug/l

RT: 11.45 min Scan# 1097

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Tgt Ion: 43 Resp: 506144

Ion Ratio Lower Upper

43 100

70 38.2 28.7 43.1

55 20.3 16.1 24.1

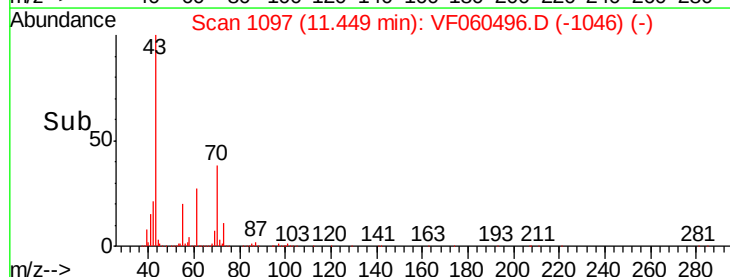
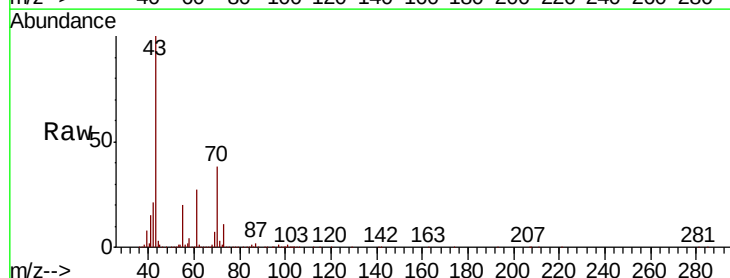
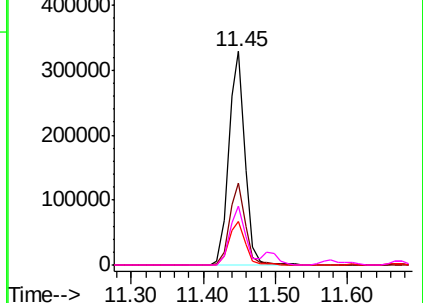
61 27.4 22.7 34.1

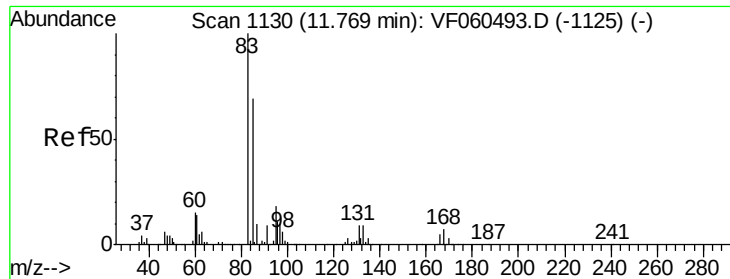
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 120.412 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

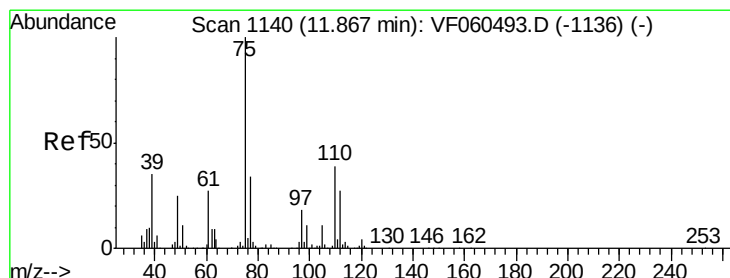
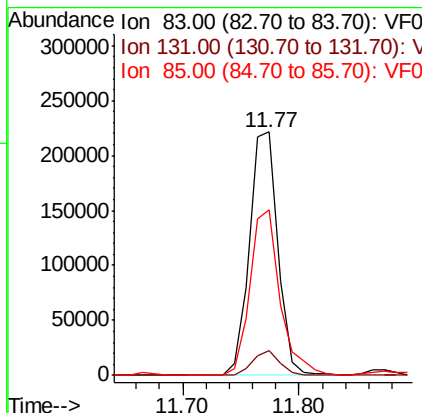
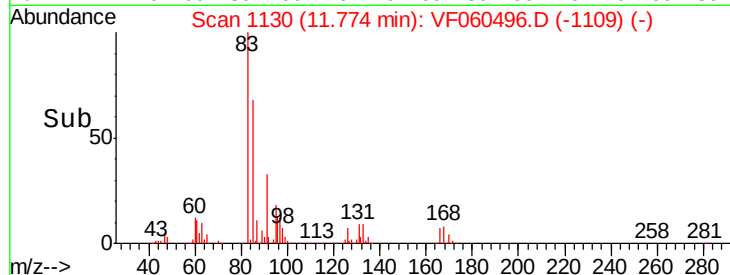
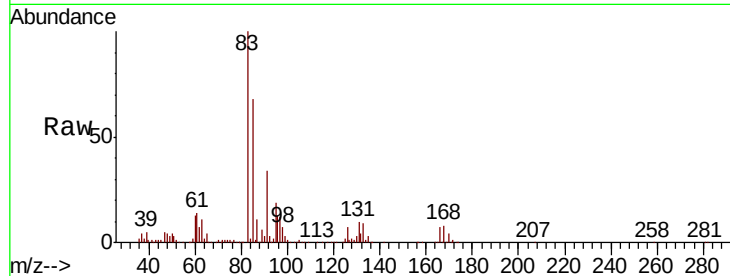
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	375628
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.5	13.4
85	68.0	34.8	104.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 118.405 ug/l

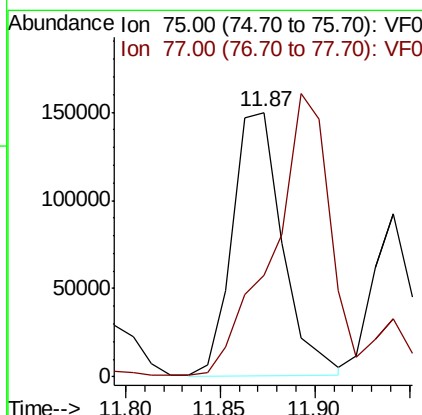
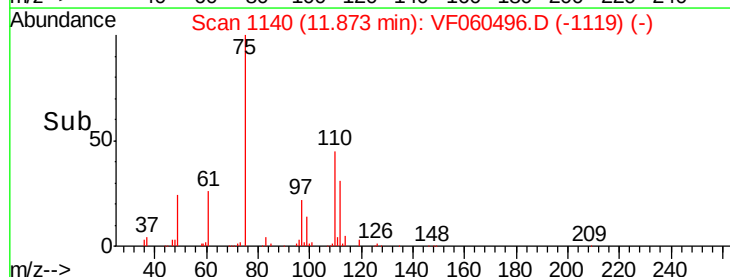
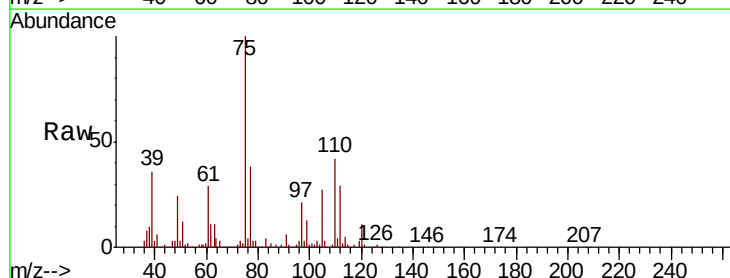
RT: 11.87 min Scan# 1140

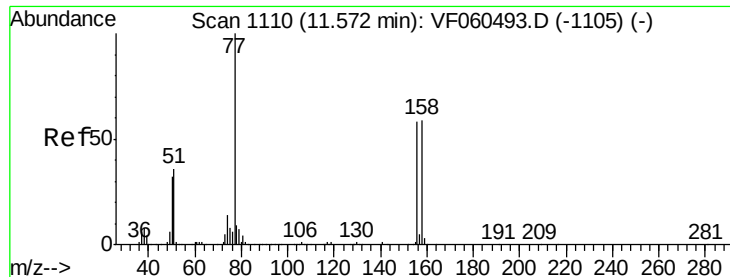
Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Tgt Ion:	75	Resp:	274503
Ion Ratio	Lower	Upper	
75	100		
77	38.4	17.4	52.2





#77

Bromobenzene

Concen: 125.077 ug/l

RT: 11.58 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

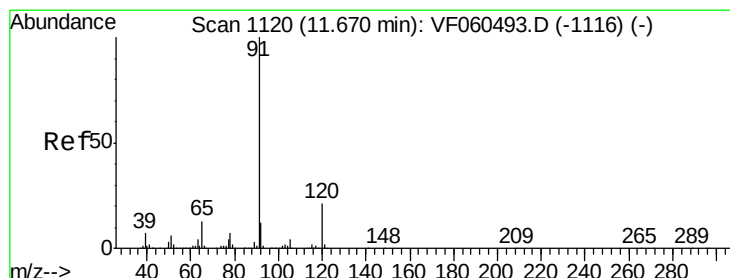
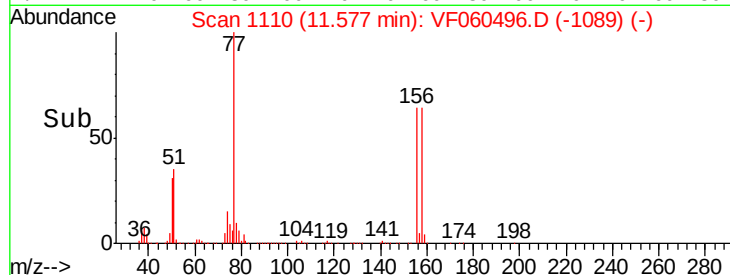
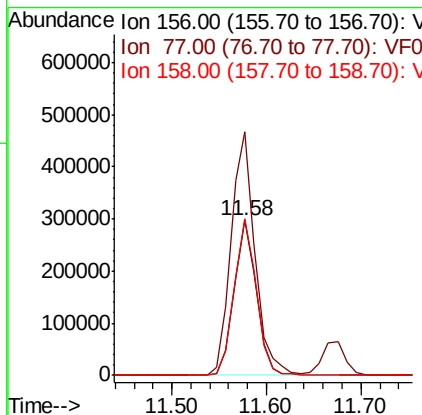
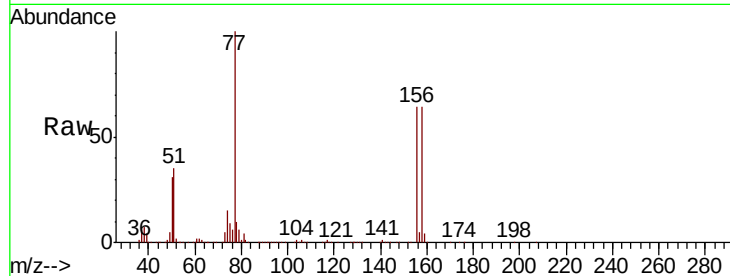
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	485903
Ion Ratio	Lower	Upper	
156	100		
77	157.0	86.3	258.8
158	100.9	51.1	153.3

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#78

n-propylbenzene

Concen: 110.348 ug/l

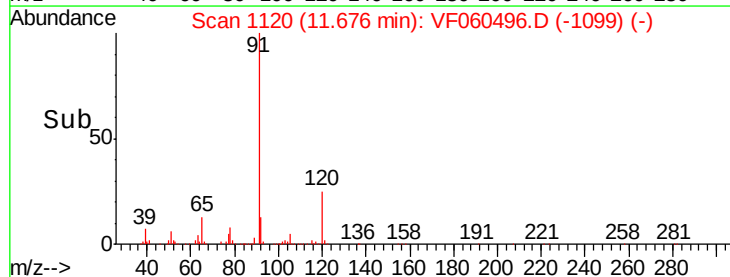
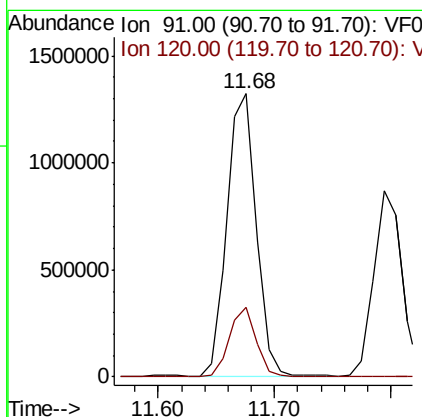
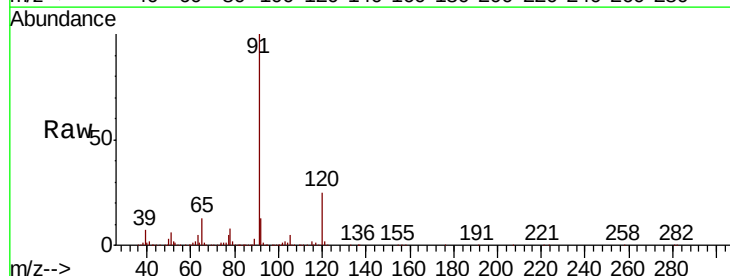
RT: 11.68 min Scan# 1120

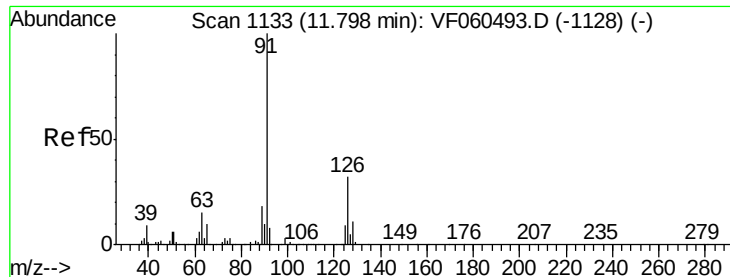
Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Tgt Ion:	91	Resp:	2306967
Ion Ratio	Lower	Upper	
91	100		
120	24.6	10.5	31.6





#79

2-Chlorotoluene

Concen: 117.574 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1441216

Ion Ratio Lower Upper

91 100

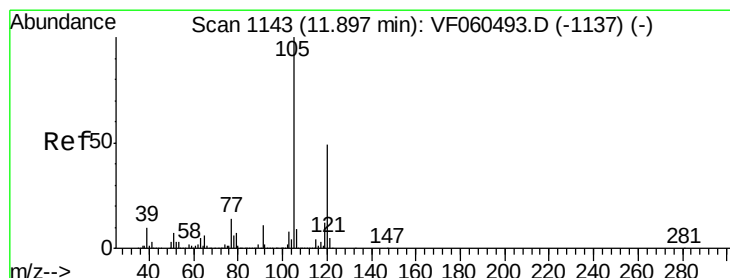
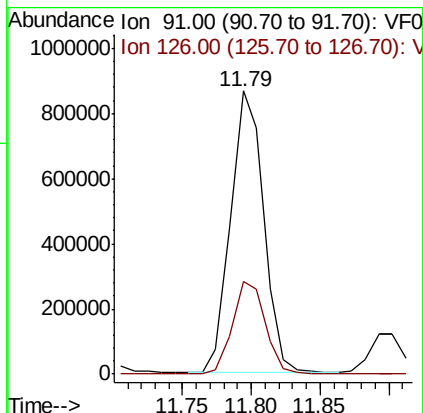
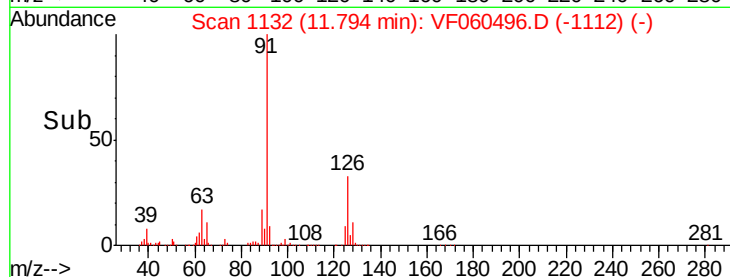
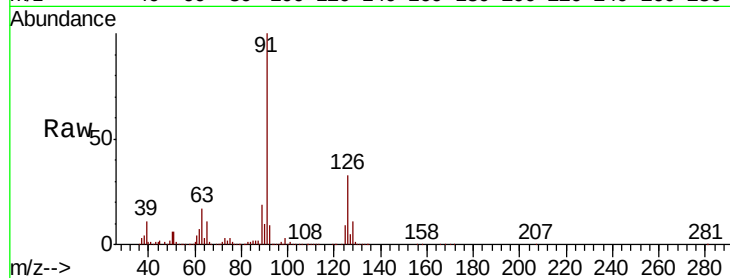
126 32.5 16.1 48.3

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#80

1,3,5-Trimethylbenzene

Concen: 113.578 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF060496.D

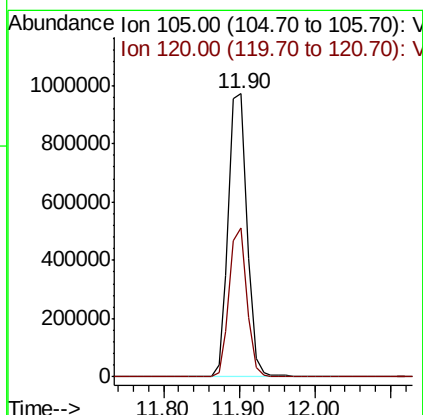
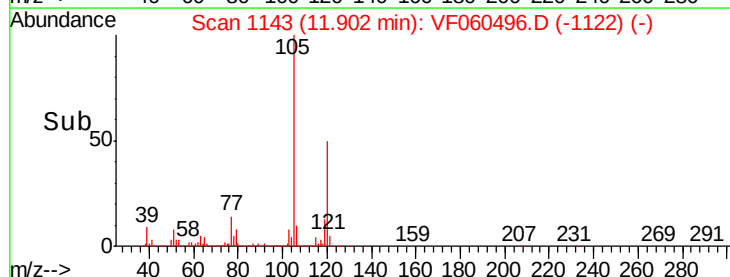
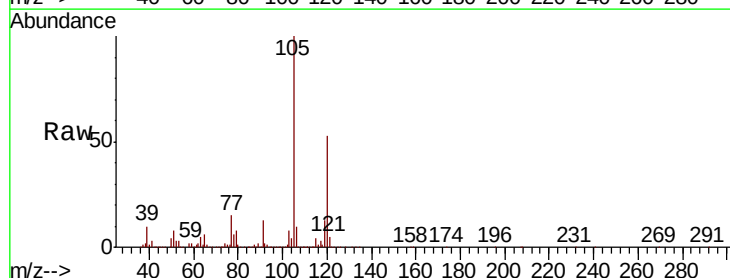
Acq: 9 Oct 2018 17:39

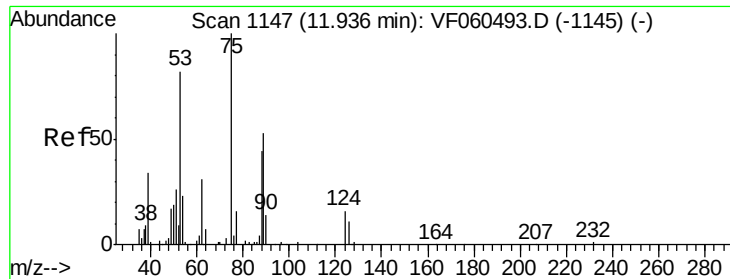
Tgt Ion: 105 Resp: 1668810

Ion Ratio Lower Upper

105 100

120 52.6 24.4 73.2





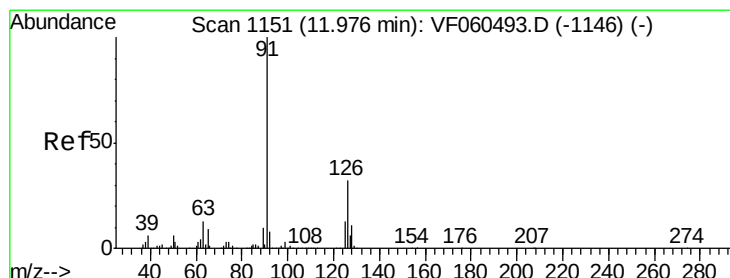
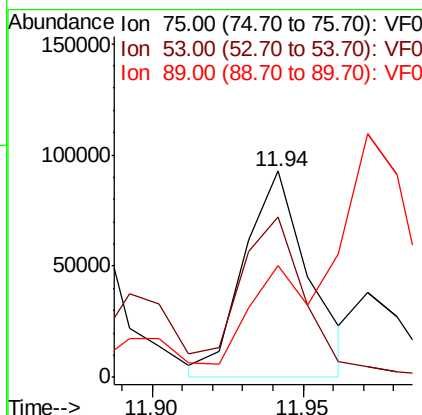
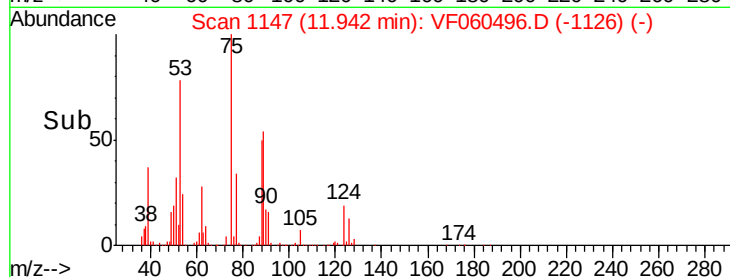
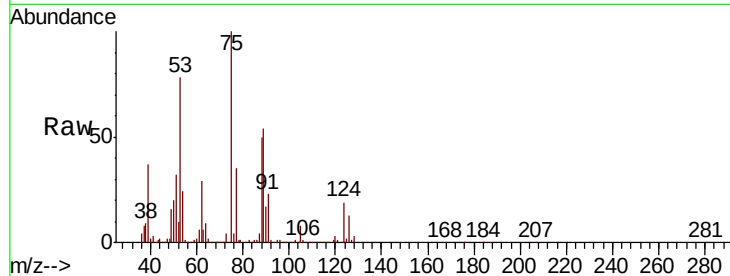
#81
trans-1,4-Dichloro-2-butene
Concen: 136.780 ug/l
RT: 11.94 min Scan# 1147
Delta R.T. 0.01 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	77.6	71.0	106.6
89	54.5	43.1	64.7

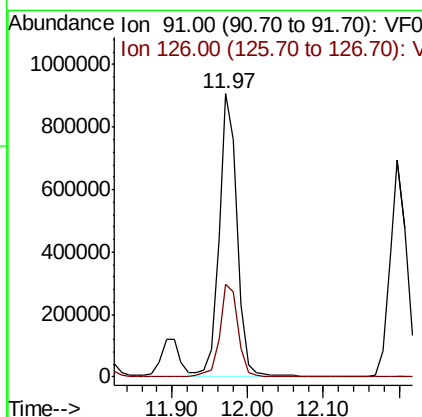
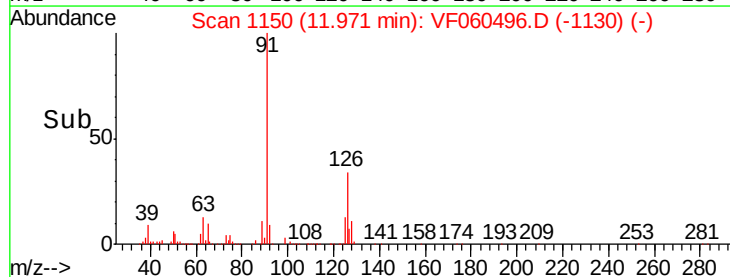
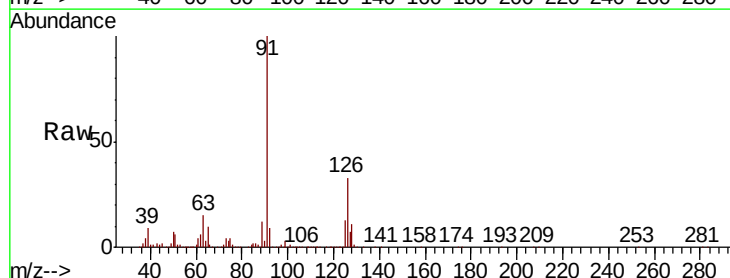
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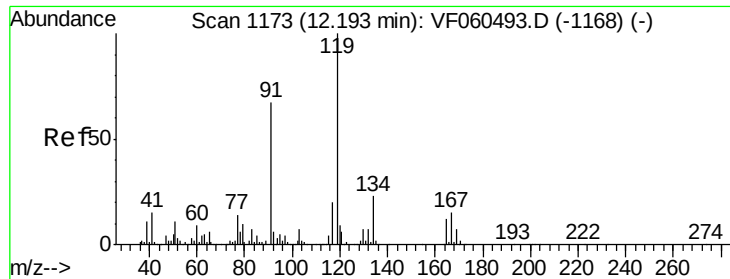
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#82
4-Chlorotoluene
Concen: 118.662 ug/l
RT: 11.97 min Scan# 1150
Delta R.T. -0.00 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.0	47.9





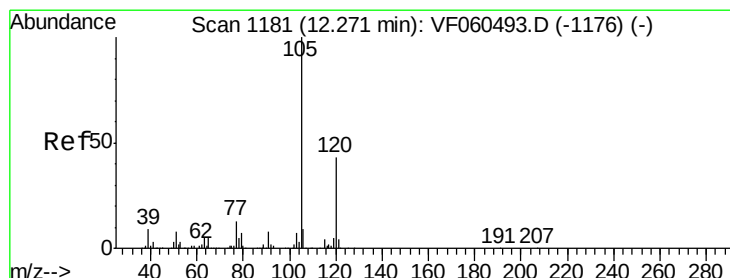
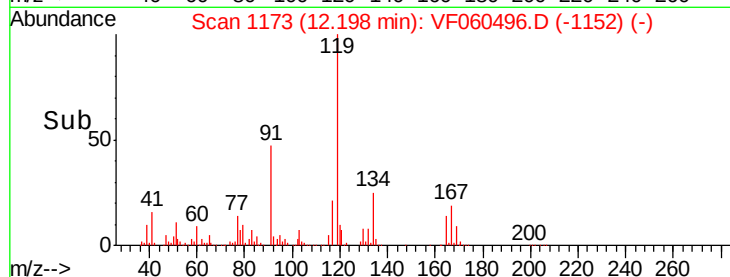
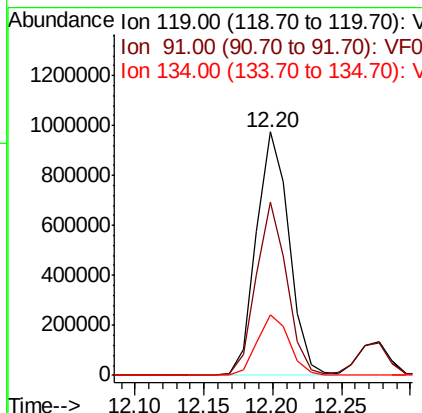
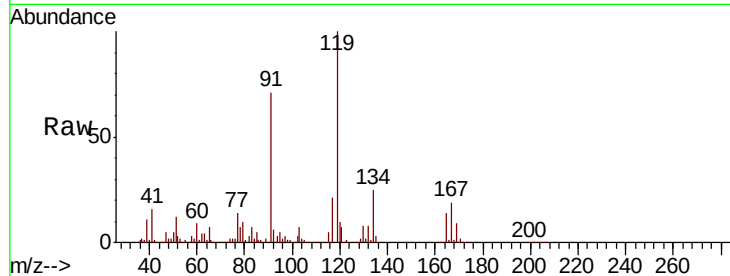
#83
 tert-Butylbenzene
 Concen: 111.867 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. 0.01 min
 Lab File: VF060496.D
 Acq: 9 Oct 2018 17:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 1621406
 Ion Ratio Lower Upper
 119 100
 91 71.1 33.6 100.8
 134 25.1 11.5 34.5

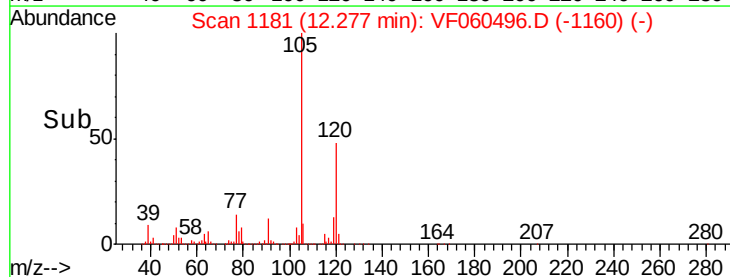
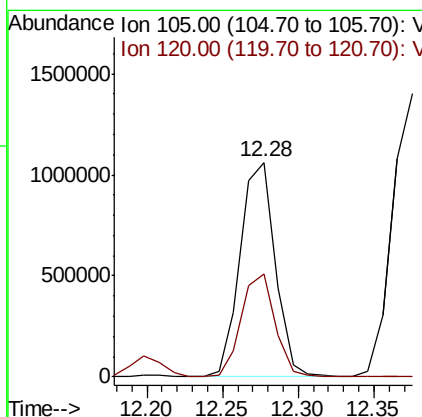
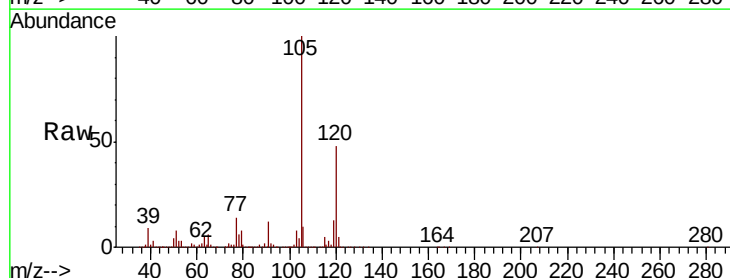
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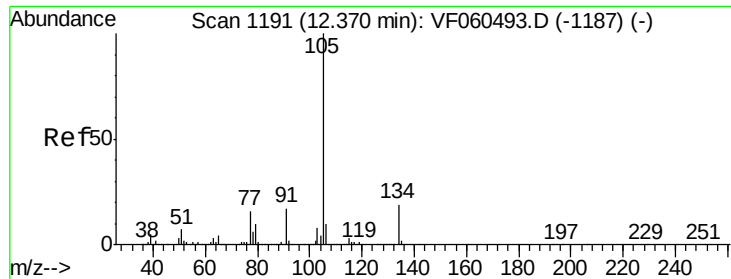
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#84
 1,2,4-Trimethylbenzene
 Concen: 117.364 ug/l
 RT: 12.28 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VF060496.D
 Acq: 9 Oct 2018 17:39

Tgt Ion:105 Resp: 1717734
 Ion Ratio Lower Upper
 105 100
 120 48.0 21.7 65.1





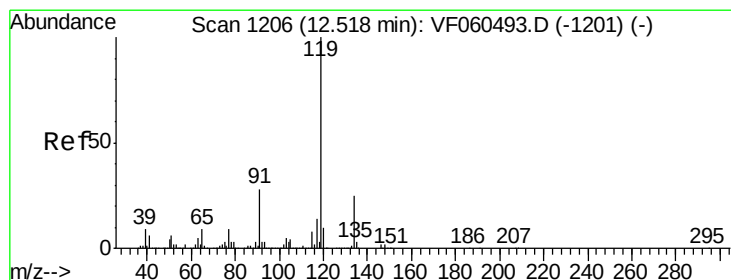
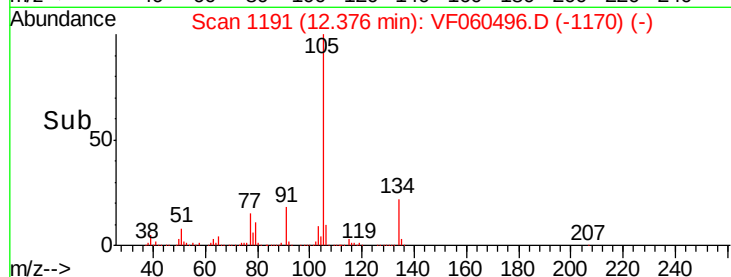
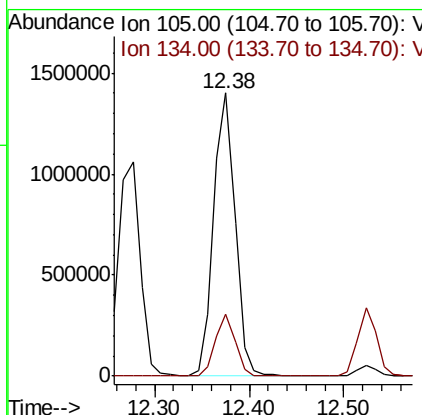
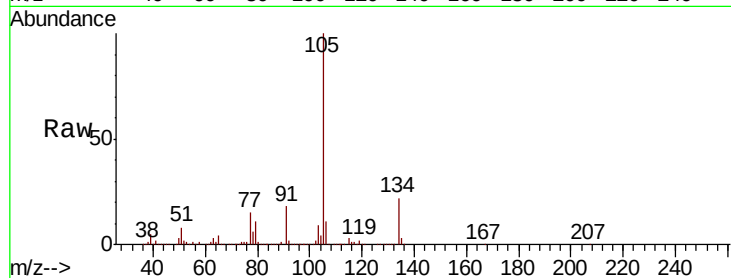
#85
 sec-Butylbenzene
 Concen: 110.863 ug/l
 RT: 12.38 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VF060496.D
 Acq: 9 Oct 2018 17:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 2222918
 Ion Ratio Lower Upper
 105 100
 134 21.7 9.3 27.9

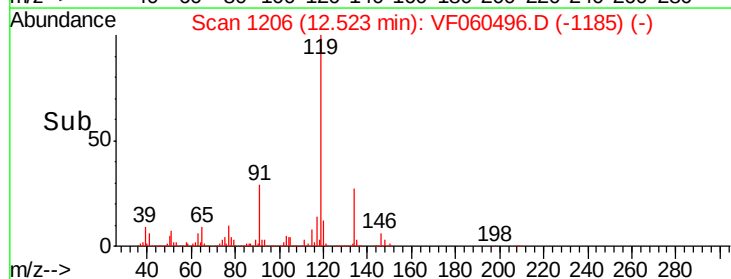
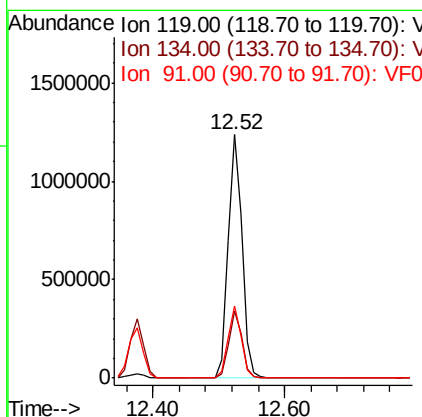
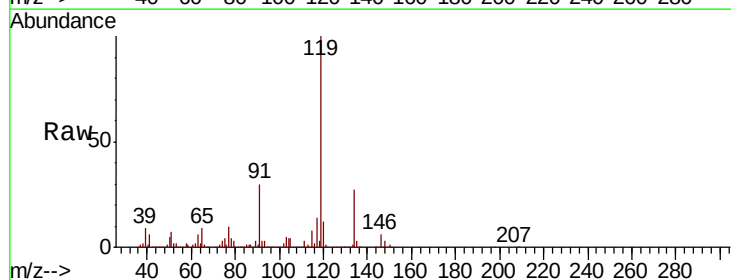
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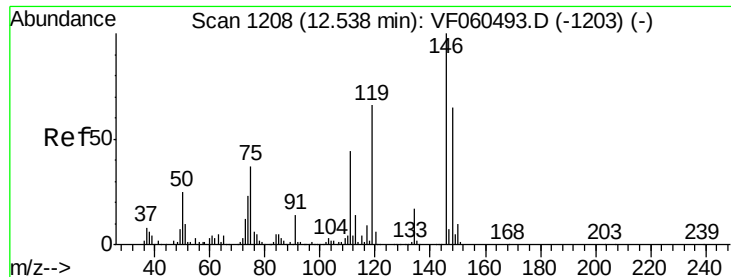
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#86
 p-Isopropyltoluene
 Concen: 111.915 ug/l
 RT: 12.52 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VF060496.D
 Acq: 9 Oct 2018 17:39

Tgt Ion:119 Resp: 1833666
 Ion Ratio Lower Upper
 119 100
 134 27.4 12.6 37.6
 91 29.5 14.1 42.4





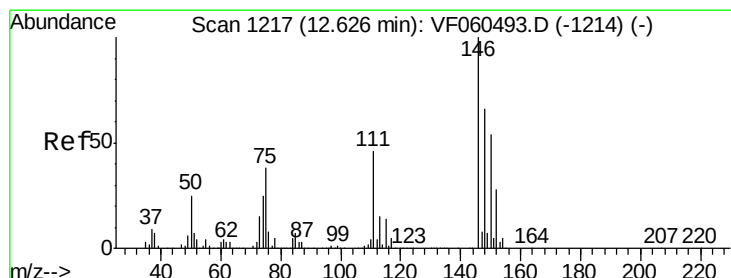
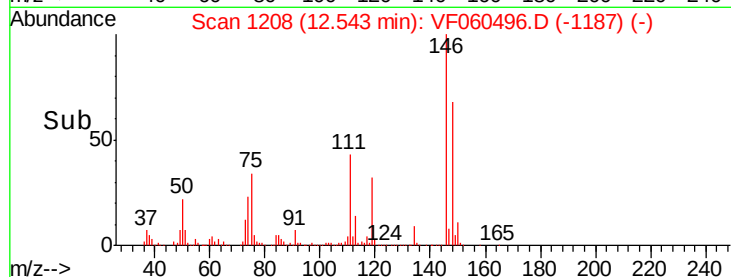
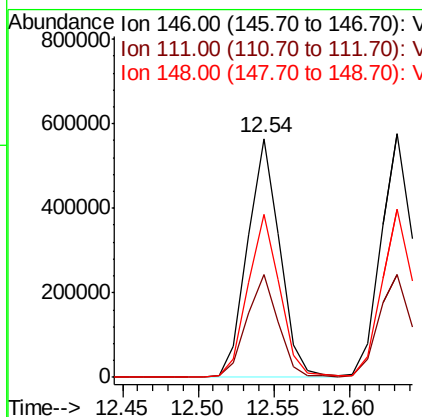
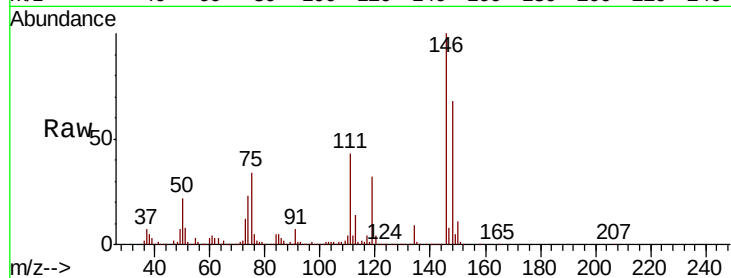
#87
 1,3-Dichlorobenzene
 Concen: 115.631 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. 0.01 min
 Lab File: VF060496.D
 Acq: 9 Oct 2018 17:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	22.2	66.6
148	67.9	32.7	98.1

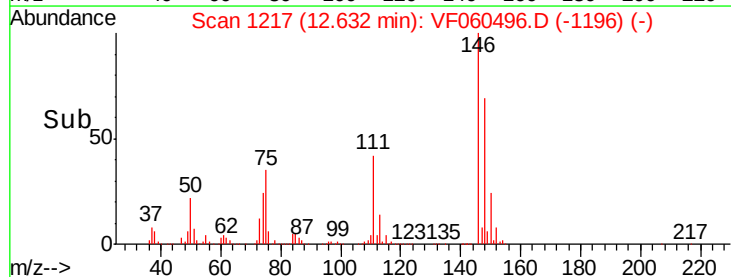
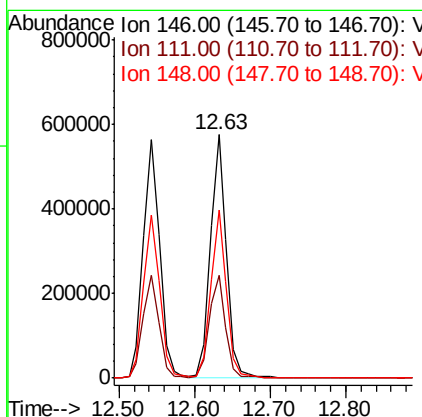
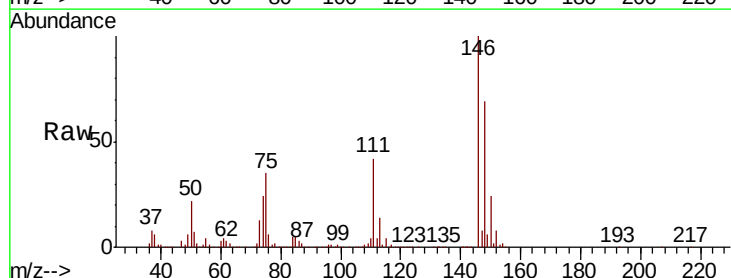
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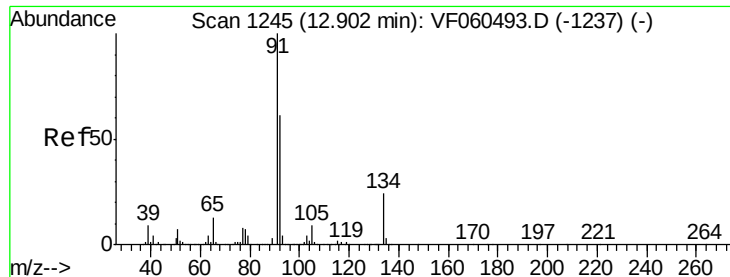
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#88
 1,4-Dichlorobenzene
 Concen: 120.337 ug/l
 RT: 12.63 min Scan# 1217
 Delta R.T. 0.01 min
 Lab File: VF060496.D
 Acq: 9 Oct 2018 17:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	23.2	69.6
148	68.9	33.3	99.9





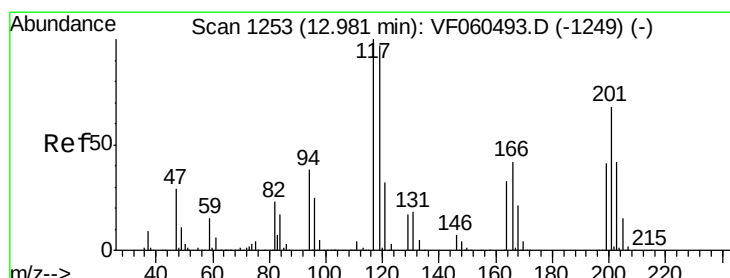
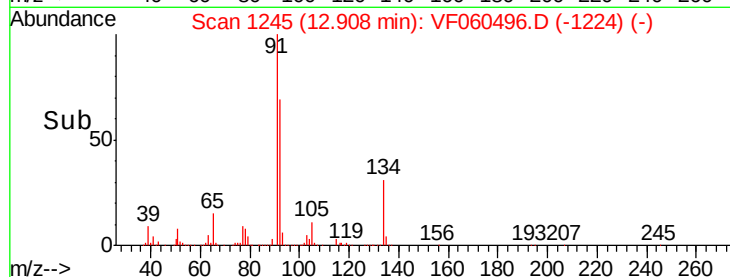
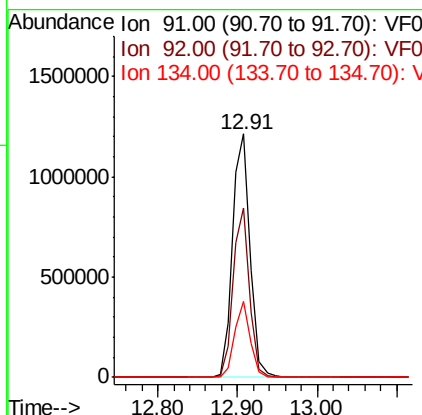
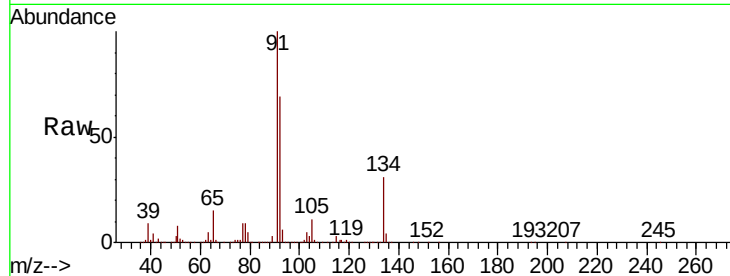
#89
n-Butylbenzene
Concen: 108.766 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. 0.01 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	69.4	30.8	92.3
134	31.2	12.1	36.3

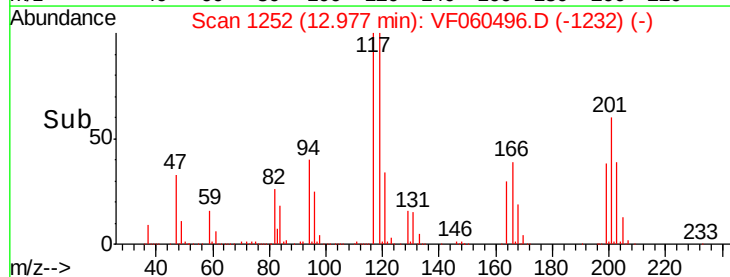
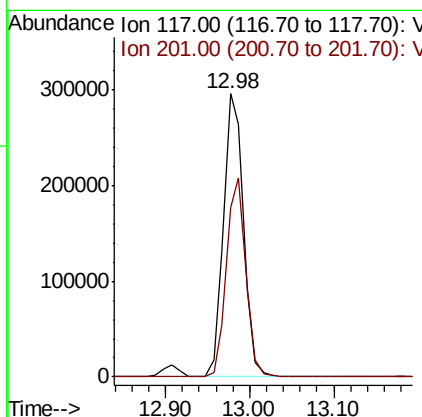
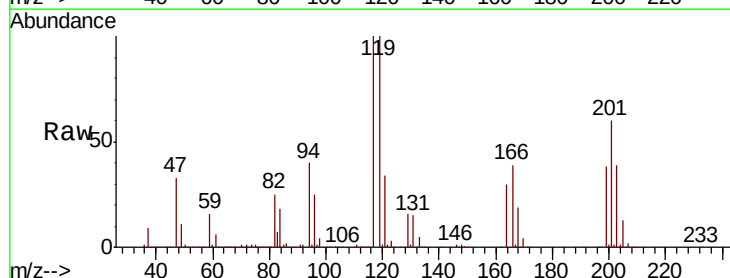
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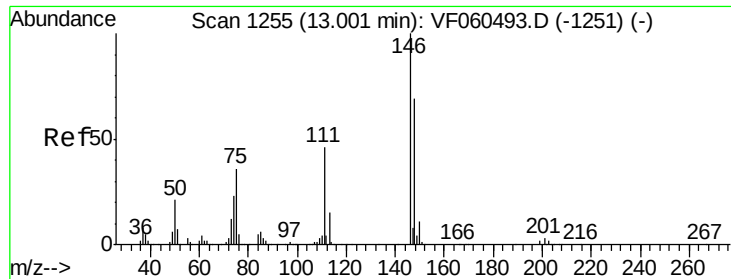
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#90
Hexachloroethane
Concen: 116.388 ug/l
RT: 12.98 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	59.9	34.0	102.0





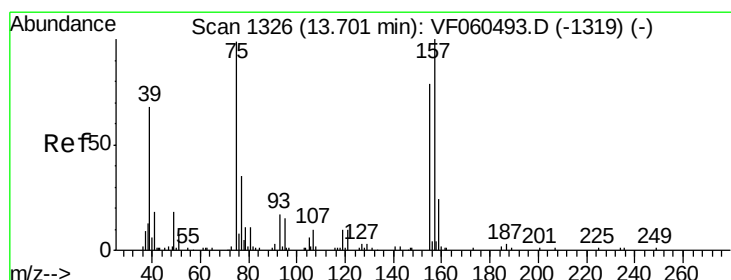
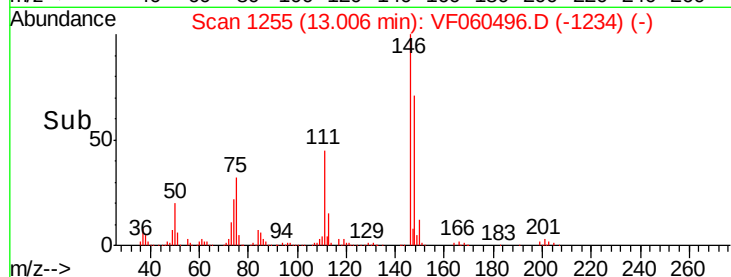
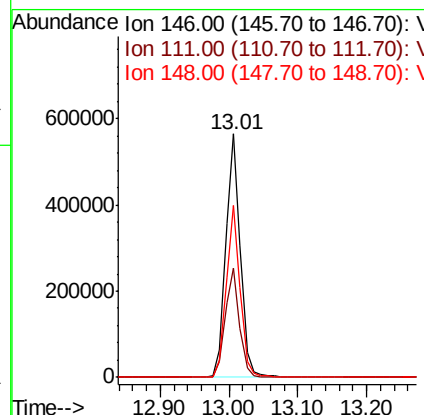
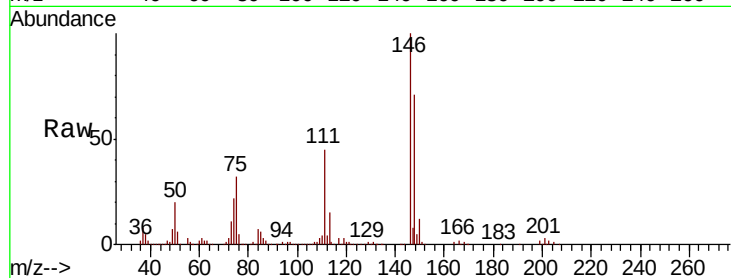
#91
 1,2-Dichlorobenzene
 Concen: 116.947 ug/l
 RT: 13.01 min Scan# 1255
 Delta R.T. 0.01 min
 Lab File: VF060496.D
 Acq: 9 Oct 2018 17:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.9	68.7
148	70.5	34.5	103.5

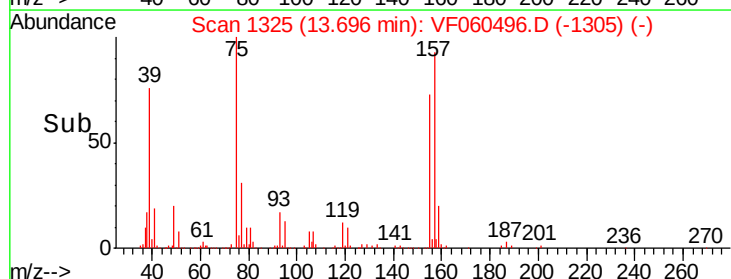
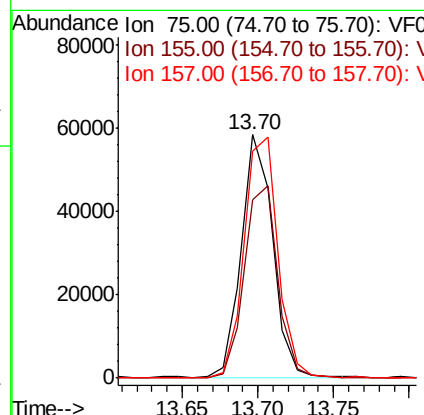
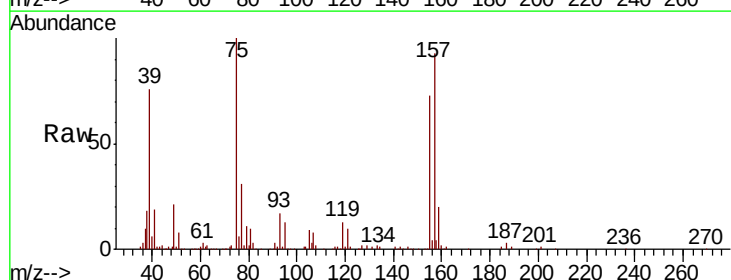
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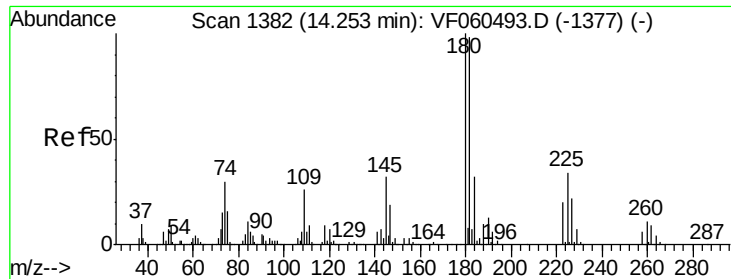
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 134.858 ug/l
 RT: 13.70 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VF060496.D
 Acq: 9 Oct 2018 17:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.1	40.6	121.7
157	93.3	50.8	152.5





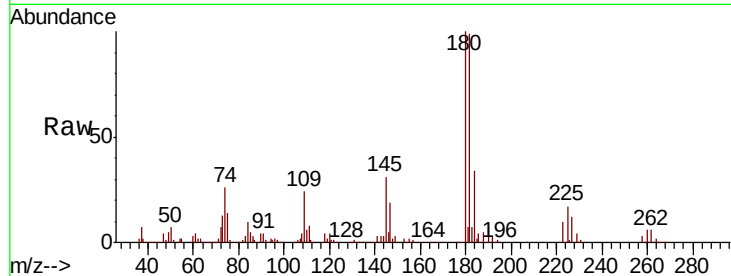
#93
 1,2,4-Trichlorobenzene
 Concen: 113.840 ug/l
 RT: 14.26 min Scan# 1382
 Delta R.T. 0.01 min
 Lab File: VF060496.D
 Acq: 9 Oct 2018 17:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	596587		
182	99.3	48.9	146.8	
145	31.3	16.2	48.5	

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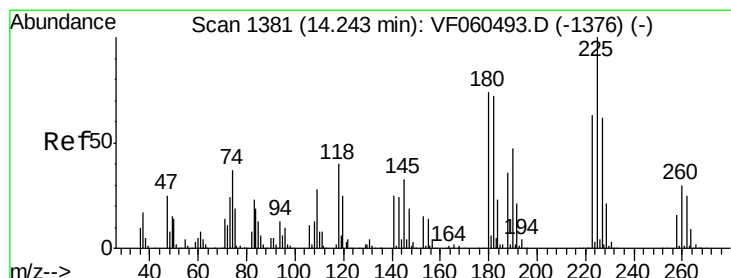
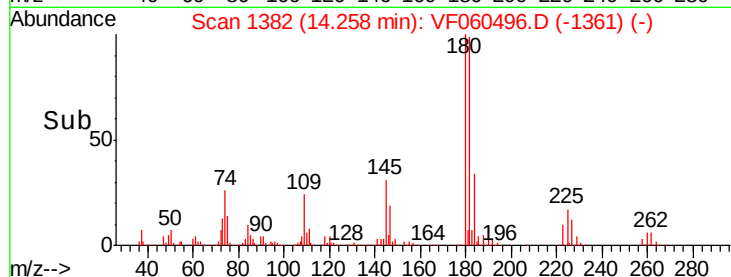
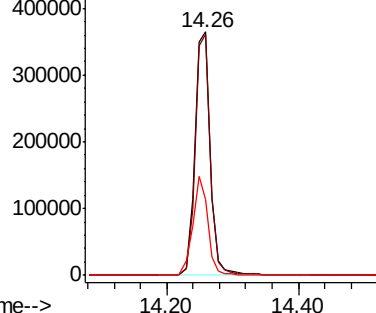


Abundance

Ion 180.00 (179.70 to 180.70): V

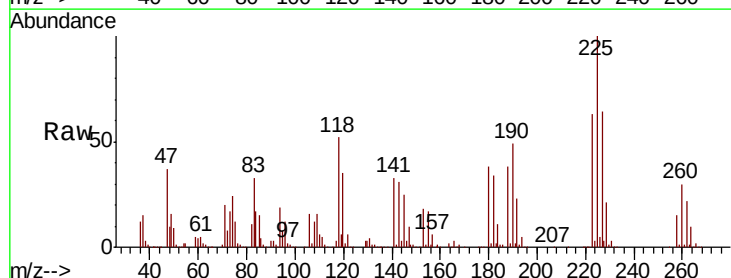
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 119.382 ug/l
 RT: 14.24 min Scan# 1380
 Delta R.T. -0.00 min
 Lab File: VF060496.D
 Acq: 9 Oct 2018 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	439964		
223	63.3	31.4	94.2	
227	64.3	30.9	92.7	

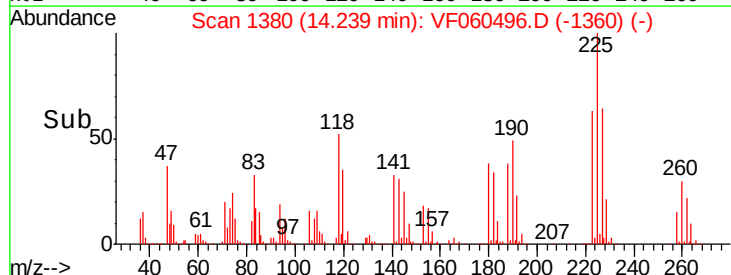
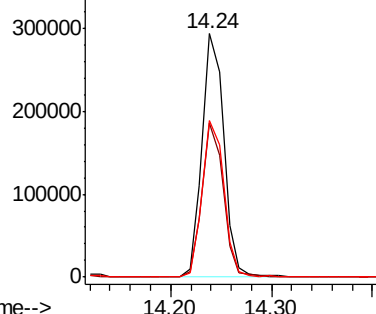


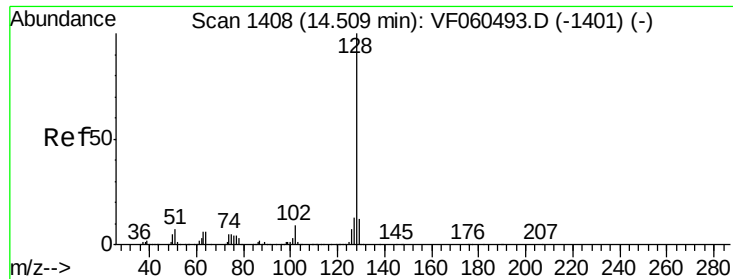
Abundance

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





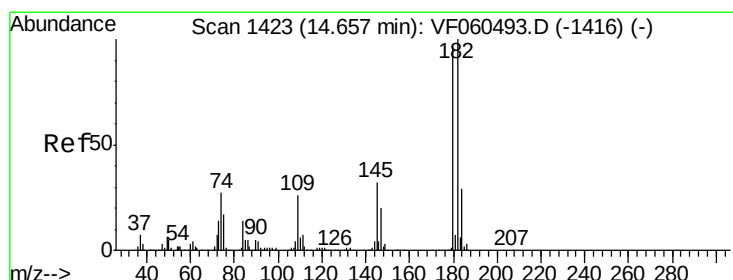
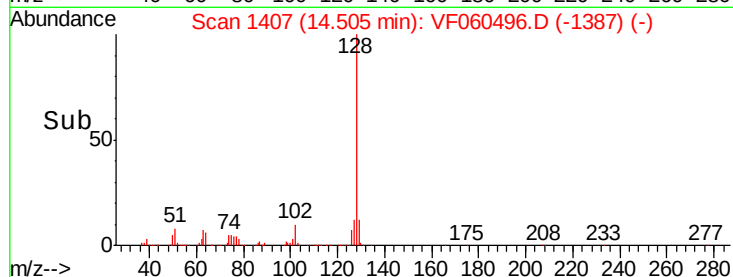
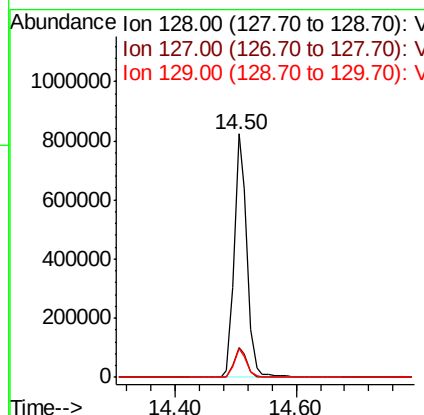
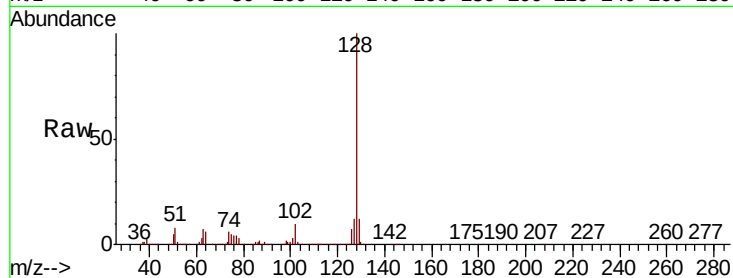
#95
Naphthalene
Concen: 128.680 ug/l
RT: 14.50 min Scan# 1407
Delta R.T. -0.00 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion:128 Resp: 1204137
Ion Ratio Lower Upper
128 100
127 12.4 10.2 15.2
129 11.6 9.2 13.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 122.110 ug/l
RT: 14.65 min Scan# 1422
Delta R.T. -0.00 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Tgt Ion:180 Resp: 602815
Ion Ratio Lower Upper
180 100
182 98.9 51.3 153.9
145 34.7 16.4 49.2

