

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082118\
 Data File : VF060029.D
 Acq On : 21 Aug 2018 19:46
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00u/5mL/MSVOA F/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

apatel
 8/22/2018 11:24:17 AM

Quant Time: Aug 22 04:27:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 03:57:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	206702	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	333632	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	320636	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	194637	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	401351	105.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.52%	
35) Dibromofluoromethane	4.30	113	355093	108.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	216.54%	
50) Toluene-d8	7.72	98	977059	130.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	260.32%	
62) 4-Bromofluorobenzene	11.52	95	499460	111.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	222.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	354371	104.83	ug/l	95
3) Chloromethane	1.07	50	248492	132.09	ug/l	99
4) Vinyl Chloride	1.12	62	228326	111.28	ug/l	96
5) Bromomethane	1.32	94	167938	85.53	ug/l	97
6) Chloroethane	1.39	64	86408	84.28	ug/l	97
7) Trichlorofluoromethane	1.48	101	377340	66.92	ug/l	98
8) Diethyl Ether	1.71	74	91078	106.98	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.86	101	242586	90.80	ug/l	99
10) Methyl Iodide	1.93	142	344556	101.88	ug/l	98
11) Tert butyl alcohol	2.70	59	109554	494.55	ug/l #	87
12) 1,1-Dichloroethene	1.83	96	179043	95.99	ug/l	93
13) Acrolein	2.10	56	74043	618.10	ug/l	93
14) Allyl chloride	2.19	41	310938	98.52	ug/l	95
15) Acrylonitrile	3.08	53	211951	592.91	ug/l	97
16) Acetone	2.34	43	490014	413.35	ug/l	99
17) Carbon Disulfide	1.84	76	512778	86.89	ug/l	99
18) Methyl Acetate	2.46	43	176368	77.93	ug/l	99
19) Methyl tert-butyl Ether	2.54	73	621013	102.29	ug/l	100
20) Methylene Chloride	2.28	84	201323	76.35	ug/l	95
21) trans-1,2-Dichloroethene	2.42	96	197565	98.82	ug/l	95
22) Diisopropyl ether	2.93	45	755088	111.51	ug/l	97
23) Vinyl Acetate	3.34	43	2073597	732.54	ug/l	100
24) 1,1-Dichloroethane	3.01	63	450617	103.06	ug/l	99
25) 2-Butanone	4.52	43	660032	674.30	ug/l	98
26) 2,2-Dichloropropane	3.77	77	504151	127.70	ug/l	94
27) cis-1,2-Dichloroethene	3.64	96	294595	151.57	ug/l	98
28) Bromochloromethane	3.90	49	158861	117.77	ug/l	91
29) Tetrahydrofuran	4.26	42	241577	687.95	ug/l	98
30) Chloroform	4.05	83	642777	122.52	ug/l	93
31) Cyclohexane	3.87	56	308567	141.23	ug/l	95
32) 1,1,1-Trichloroethane	4.28	97	537160	107.21	ug/l	99
36) 1,1-Dichloropropene	4.47	75	411771	110.08	ug/l	99
37) Ethyl Acetate	4.30	43	241512	118.04	ug/l #	70
38) Carbon Tetrachloride	4.18	117	506655	98.15	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	373874	130.86	ug/l	87
40) Benzene	4.82	78	889212	138.34	ug/l	99
41) Methacrylonitrile	4.94	41	125963	127.17	ug/l	97
42) 1,2-Dichloroethane	5.13	62	489305	94.87	ug/l	99
43) Isopropyl Acetate	7.12	43	340847	146.93	ug/l	99
44) Trichloroethene	5.68	130	292965	119.20	ug/l	92
45) 1,2-Dichloropropane	6.41	63	269654	145.35	ug/l	94
46) Dibromomethane	6.27	93	214658	120.84	ug/l	98
47) Bromodichloromethane	6.56	83	518075	110.71	ug/l	95
48) Methyl methacrylate	6.89	41	222032	131.37	ug/l	96
49) 1,4-Dioxane	6.89	88	43518	3279.73	ug/l	94
51) 4-Methyl-2-Pentanone	8.41	43	1263253	589.51	ug/l	99
52) Toluene	7.79	92	612469	127.44	ug/l	96
53) t-1,3-Dichloropropene	8.44	75	452297	113.61	ug/l	94
54) cis-1,3-Dichloropropene	7.47	75	512230	130.19	ug/l	98
55) 1,1,2-Trichloroethane	8.65	97	261428	136.08	ug/l	99
56) Ethyl methacrylate	8.77	69	326841	146.12	ug/l	99
57) 1,3-Dichloropropane	9.01	76	441194	128.54	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.79	63	108734	612.44	ug/l	100
59) 2-Hexanone	9.64	43	1035364	584.36	ug/l	99
60) Dibromochloromethane	8.88	129	410260	121.32	ug/l	98
61) 1,2-Dibromoethane	9.14	107	307574	130.26	ug/l	100
64) Tetrachloroethene	8.32	164	292830	120.53	ug/l	99
65) Chlorobenzene	9.95	112	812785	128.72	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	341269	120.82	ug/l	98
67) Ethyl Benzene	10.05	91	1406952	123.76	ug/l	99
68) m/p-Xylenes	10.29	106	944346	235.74	ug/l	92
69) o-Xylene	10.84	106	565266	137.89	ug/l	94
70) Styrene	10.91	104	831472	127.15	ug/l	96
71) Bromoform	10.90	173	249937	119.89	ug/l	99
73) Isopropylbenzene	11.23	105	1521068	129.86	ug/l	99
74) N-amyl acetate	11.47	43	538312	159.30	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.80	83	354986	150.75	ug/l	93
76) 1,2,3-Trichloropropane	11.89	75	263831	130.13	ug/l	100
77) Bromobenzene	11.61	156	418077	128.39	ug/l	95
78) n-propylbenzene	11.70	91	1777312	121.92	ug/l	96
79) 2-Chlorotoluene	11.83	91	1102303	126.08	ug/l	95
80) 1,3,5-Trimethylbenzene	11.92	105	1266409	120.46	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.96	75	137104m	160.28	ug/l	
82) 4-Chlorotoluene	12.00	91	1189680	124.35	ug/l	98
83) tert-Butylbenzene	12.22	119	1275825	124.11	ug/l	91
84) 1,2,4-Trimethylbenzene	12.30	105	1378546	124.74	ug/l	97
85) sec-Butylbenzene	12.40	105	1743180	127.06	ug/l	96
86) p-Isopropyltoluene	12.54	119	1452030	119.69	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	744207	119.71	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	786629	130.26	ug/l	98
89) n-Butylbenzene	12.93	91	1435065	122.42	ug/l	94
90) Hexachloroethane	13.01	117	363263	134.45	ug/l	95
91) 1,2-Dichlorobenzene	13.03	146	754067	127.35	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	82274	133.64	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	556462	116.15	ug/l	95
94) Hexachlorobutadiene	14.26	225	348098	110.56	ug/l	98
95) Naphthalene	14.53	128	1080809	157.05	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	566146	123.20	ug/l	98

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

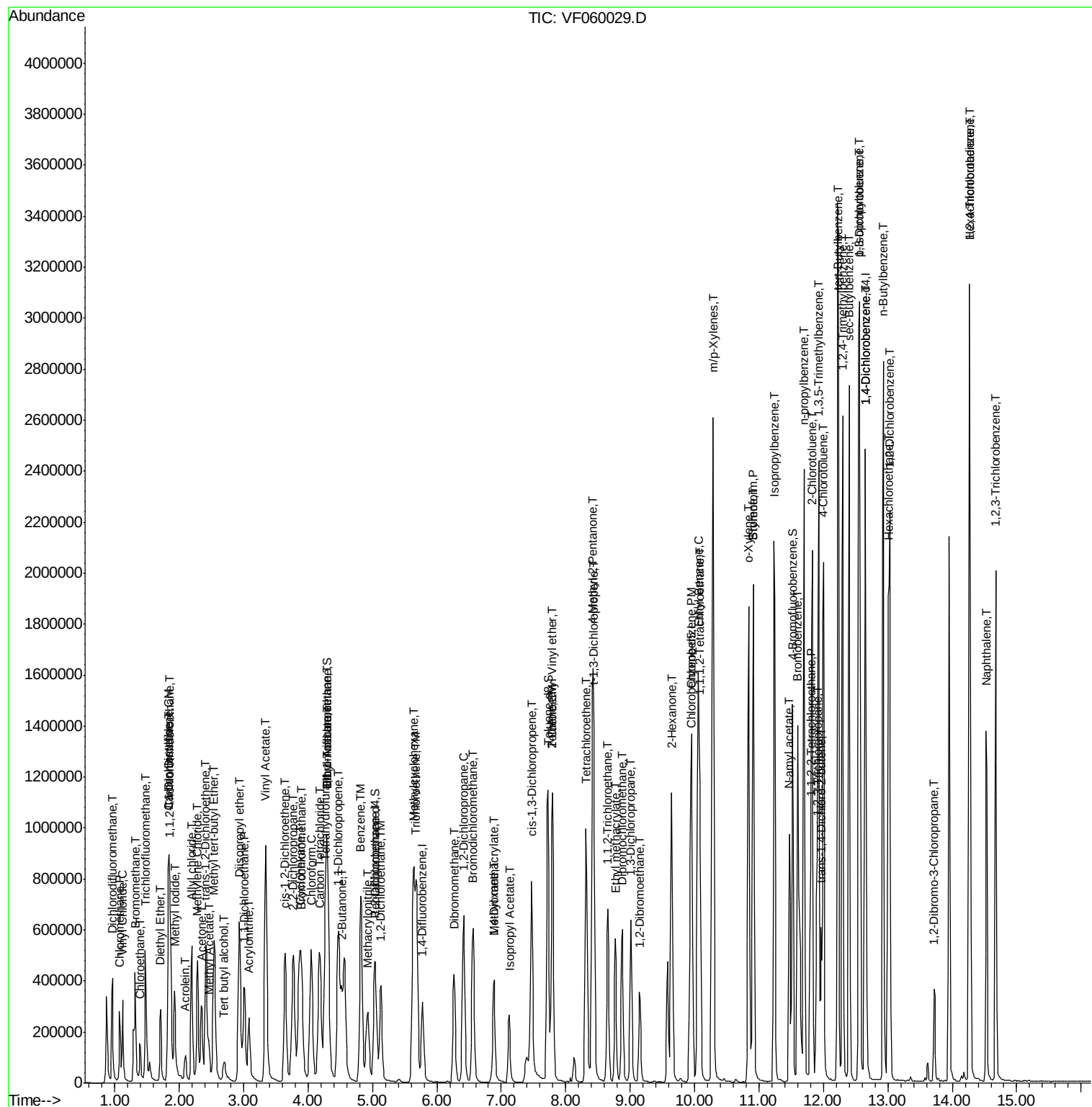
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082118\
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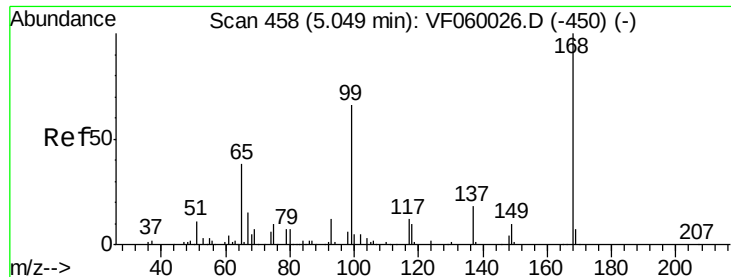
Instrument :
 MSVOA_F
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 459

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 206702

Ion Ratio Lower Upper

168 100

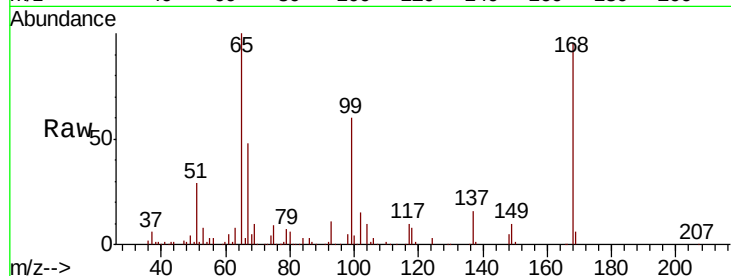
99 62.9 52.6 79.0

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

80000

60000

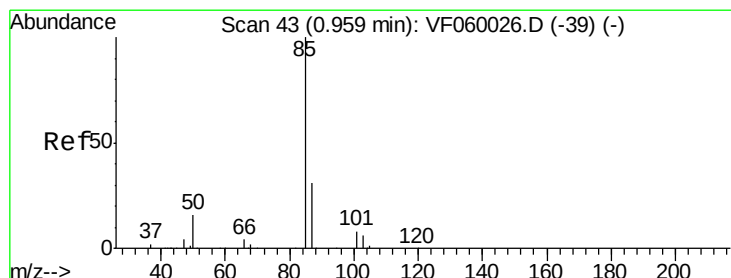
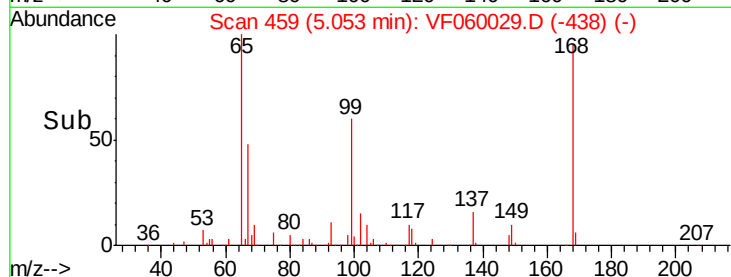
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 104.83 ug/l

RT: 0.96 min Scan# 44

Delta R.T. 0.00 min

Lab File: VF060029.D

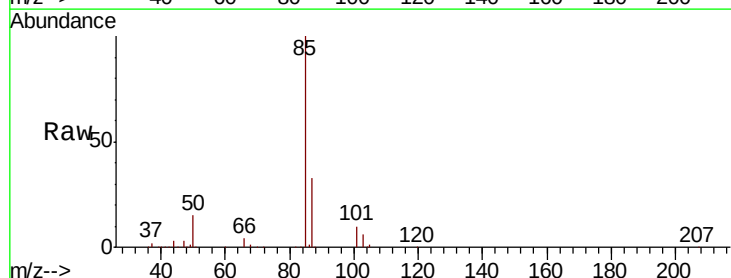
Acq: 21 Aug 2018 19:46

Tgt Ion: 85 Resp: 354371

Ion Ratio Lower Upper

85 100

87 33.2 15.3 45.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

250000

200000

150000

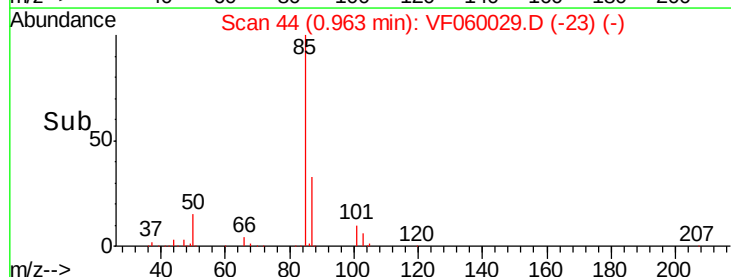
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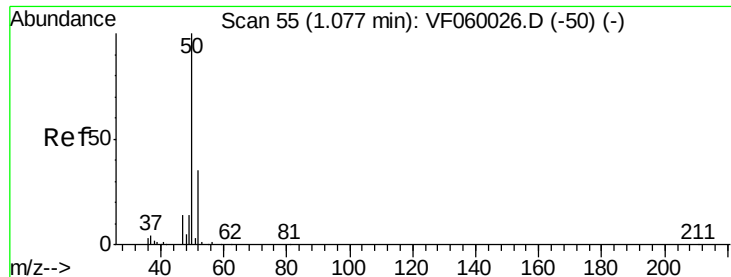
50000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 132.09 ug/l

RT: 1.07 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDICC150

Tot Ion: 50 Resp: 248492

Ion Ratio Lower Upper

50 100

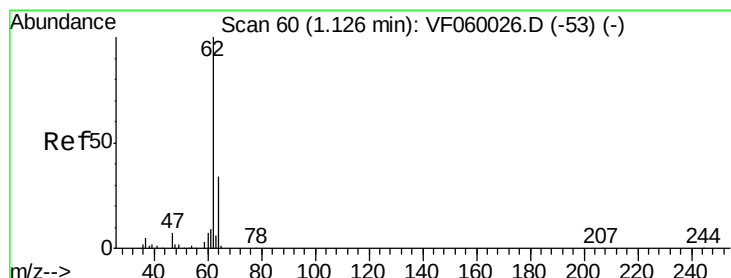
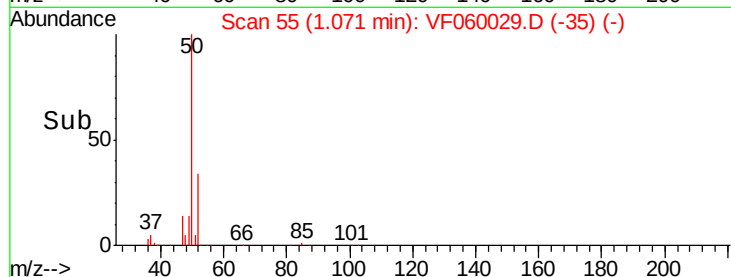
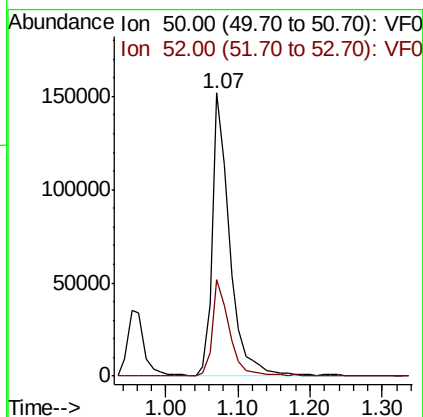
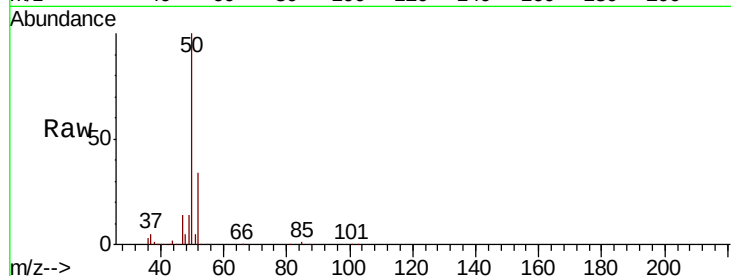
52 33.9 27.6 41.4

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#4

Vinyl Chloride

Concen: 111.28 ug/l

RT: 1.12 min Scan# 60

Delta R.T. -0.01 min

Lab File: VF060029.D

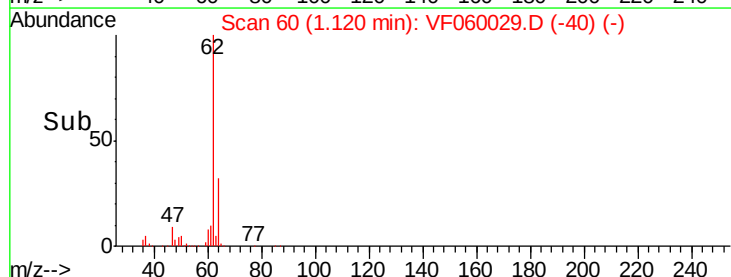
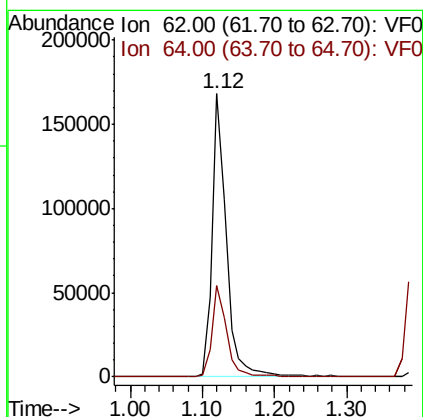
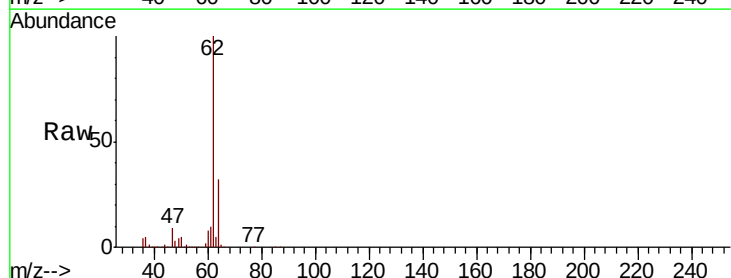
Acq: 21 Aug 2018 19:46

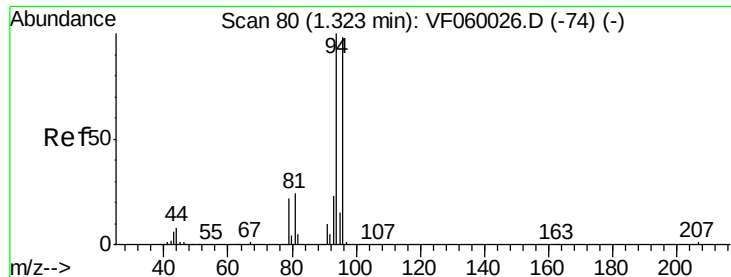
Tgt Ion: 62 Resp: 228326

Ion Ratio Lower Upper

62 100

64 32.1 27.4 41.2





#5

Bromomethane

Concen: 85.53 ug/l

RT: 1.32 min Scan# 80

Delta R.T. -0.01 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampled :

VSTDIC150

Tot Ion: 94 Resp: 167938

Ion Ratio Lower Upper

94 100

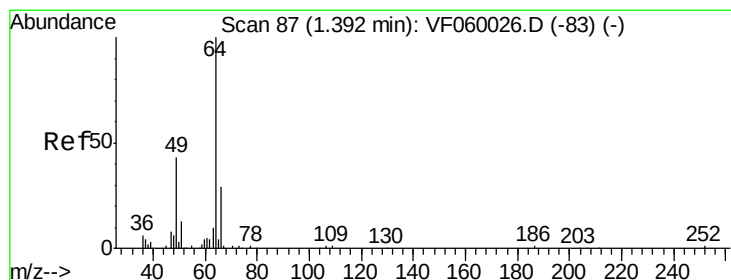
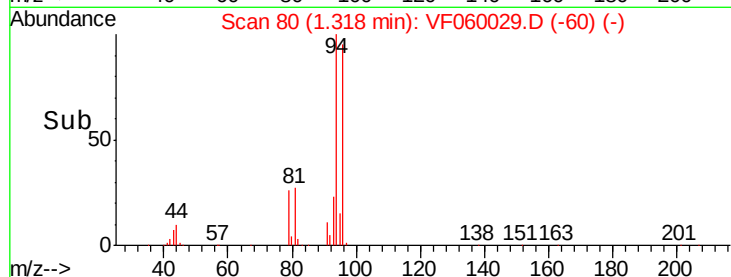
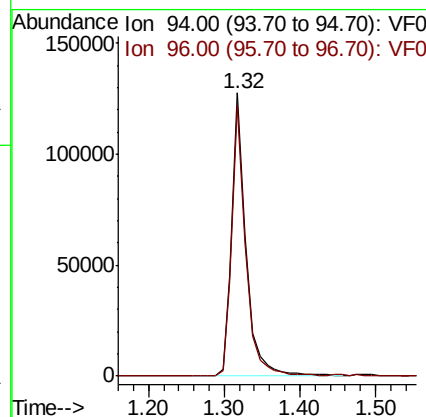
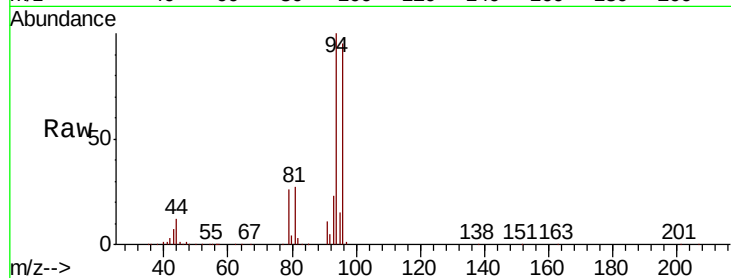
96 95.4 78.6 118.0

Manual Integrations

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#6

Chloroethane

Concen: 84.28 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF060029.D

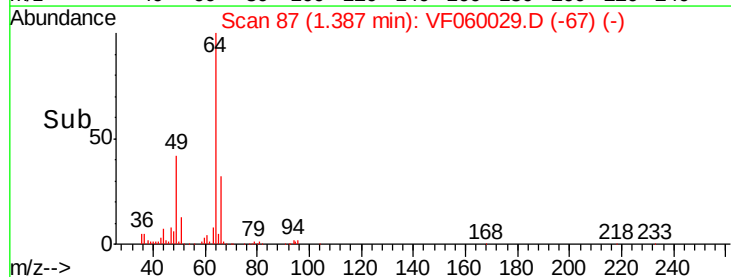
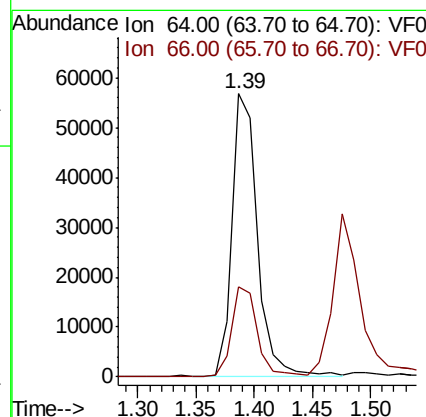
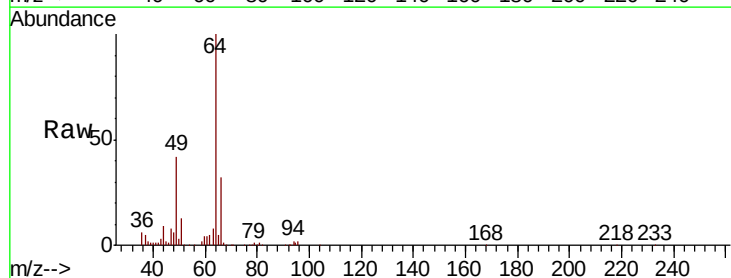
Acq: 21 Aug 2018 19:46

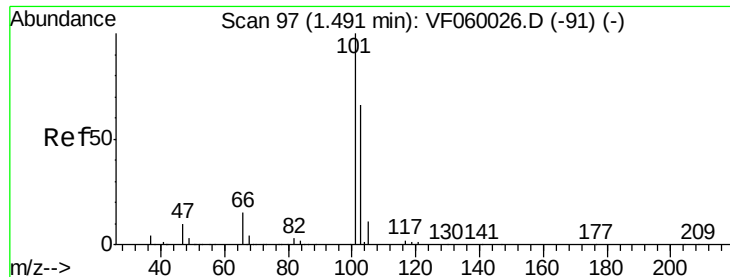
Tgt Ion: 64 Resp: 86408

Ion Ratio Lower Upper

64 100

66 31.8 24.1 36.1





#7

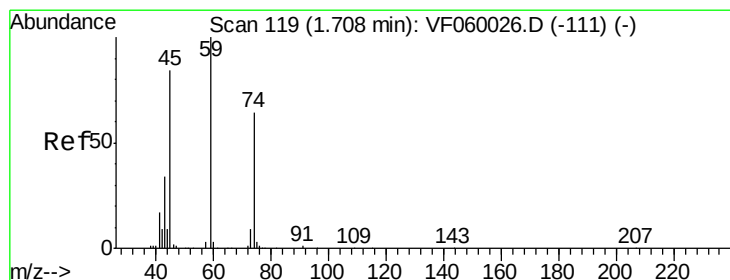
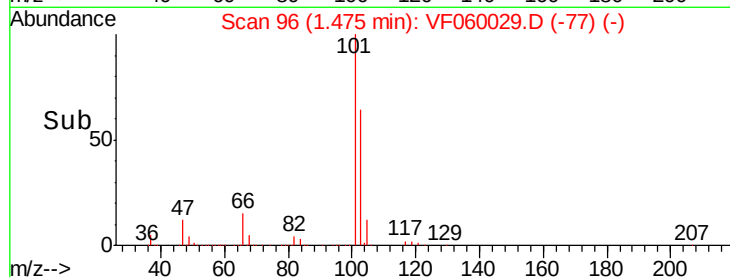
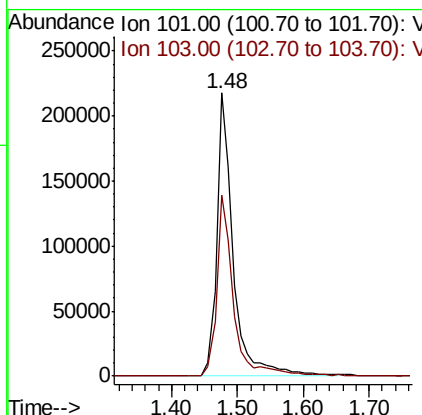
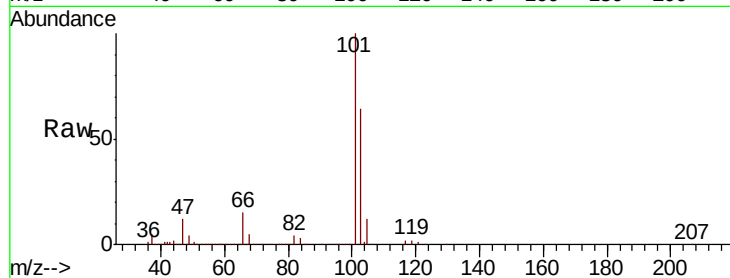
Trichlorofluoromethane
Concen: 66.92 ug/l
RT: 1.48 min Scan# 96
Delta R.T. -0.02 min
Lab File: VF060029.D
Acq: 21 Aug 2018 19:46

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ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	377340		
103	63.7	52.5	78.7	

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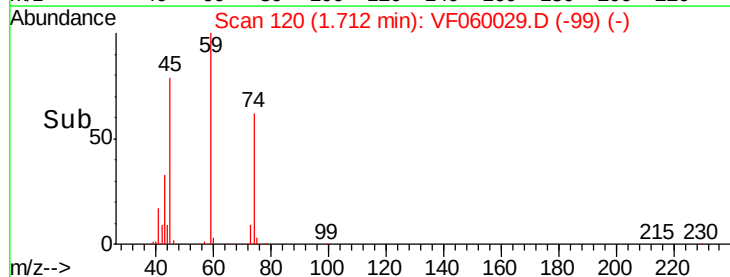
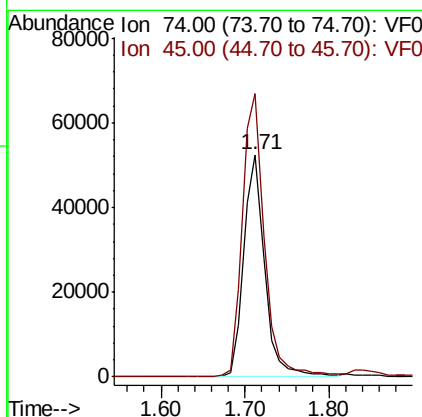
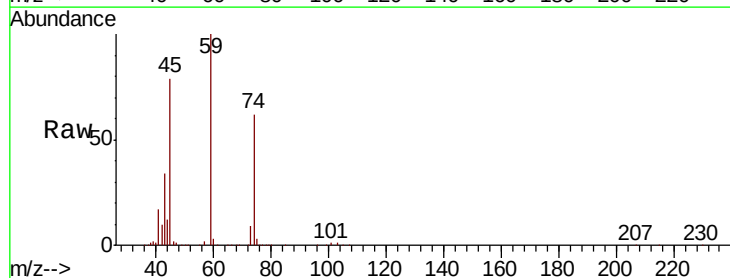
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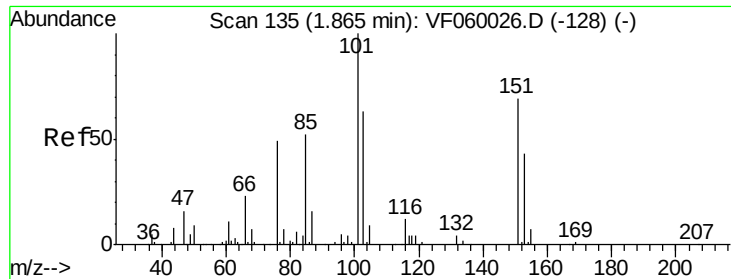


#8

Diethyl Ether
Concen: 106.98 ug/l
RT: 1.71 min Scan# 120
Delta R.T. 0.00 min
Lab File: VF060029.D
Acq: 21 Aug 2018 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	91078		
45	127.2	66.0	198.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 90.80 ug/l

RT: 1.86 min Scan# 135

Delta R.T. -0.01 min

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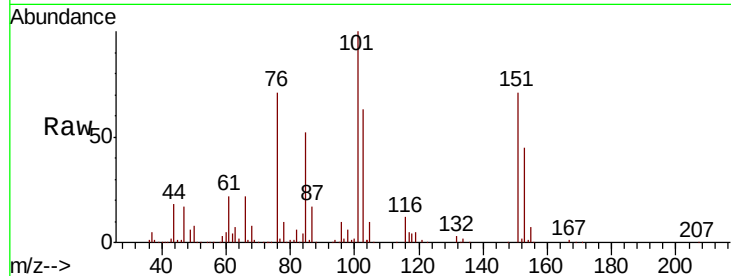
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VSTDIC150

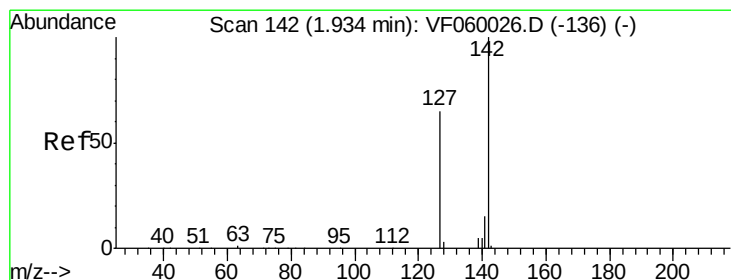
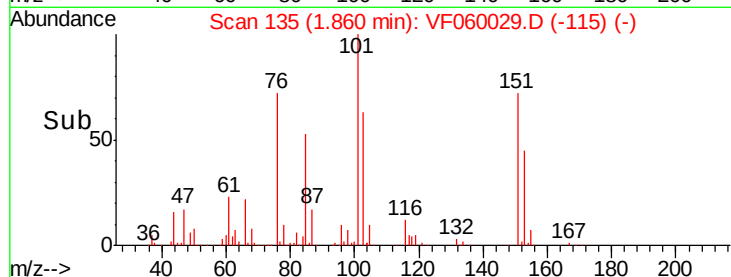
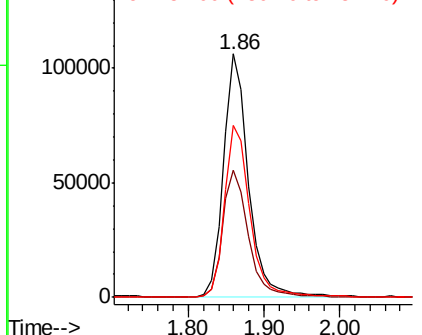
Tot Ion:	101	Resp:	242586
Ion Ratio	Lower	Upper	
101	100		
85	52.4	41.5	62.3
151	70.7	55.2	82.8

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



#10

Methyl Iodide

Concen: 101.88 ug/l

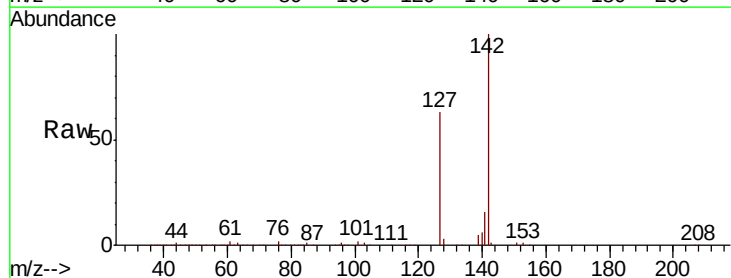
RT: 1.93 min Scan# 142

Delta R.T. -0.01 min

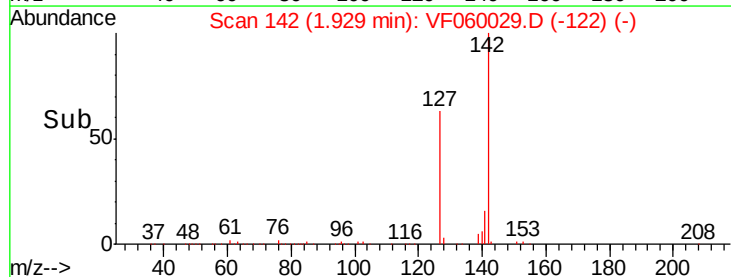
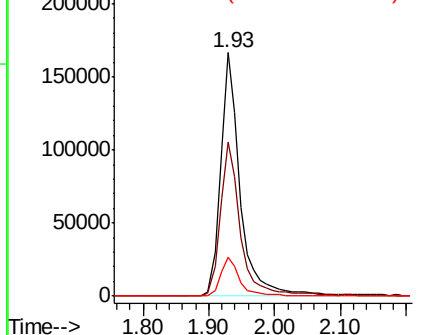
Lab File: VF060029.D

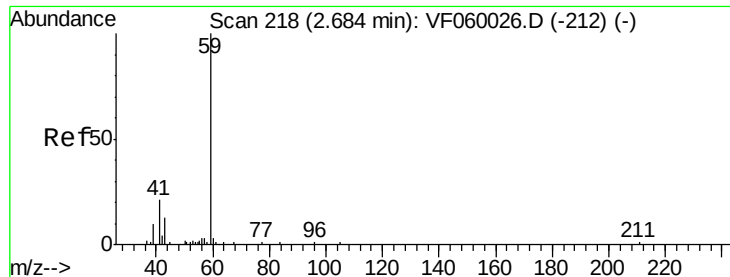
Acq: 21 Aug 2018 19:46

Tgt Ion:	142	Resp:	344556
Ion Ratio	Lower	Upper	
142	100		
127	63.0	51.8	77.6
141	15.8	11.9	17.9



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





#11

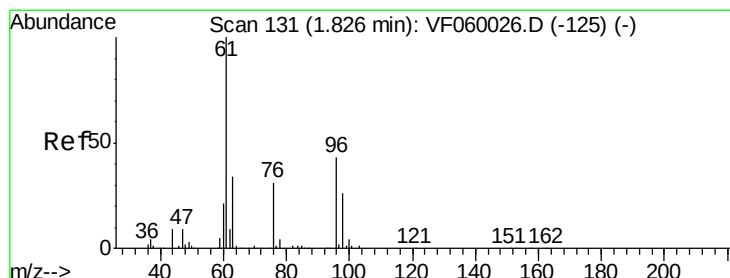
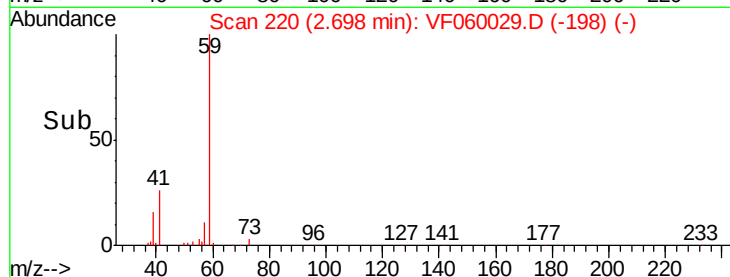
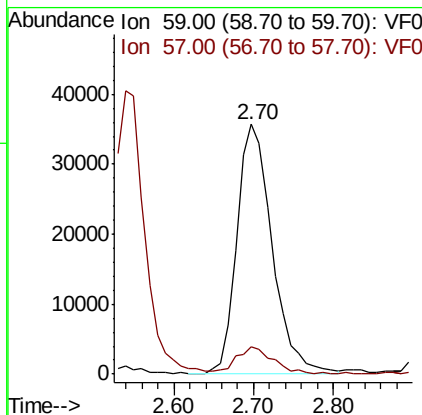
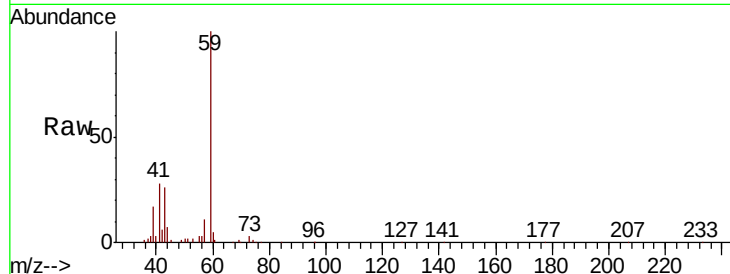
Tert butyl alcohol
Concen: 494.55 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.01 min
Lab File: VF060029.D
Acq: 21 Aug 2018 19:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	59	Resp	109554
Ion Ratio	59	100	
Lower	57	11.2	5.4
Upper			8.2#

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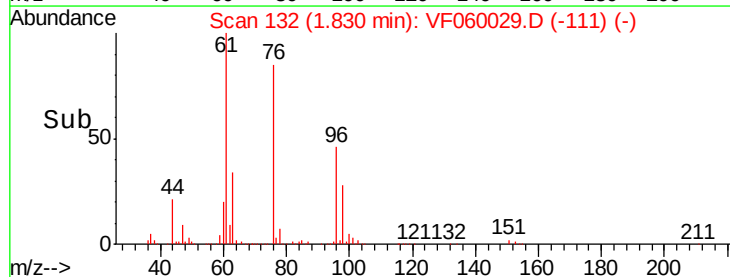
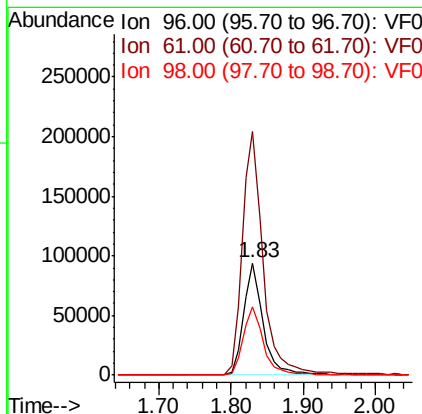
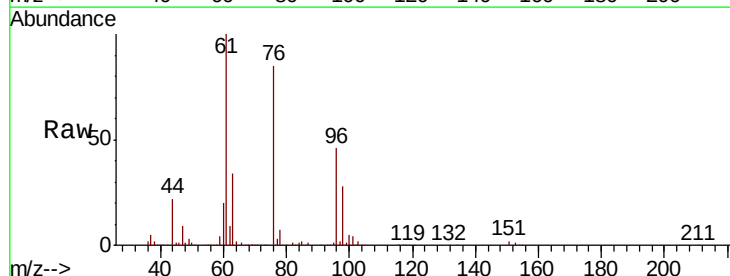
apatel
8/22/2018 11:24:17 AM

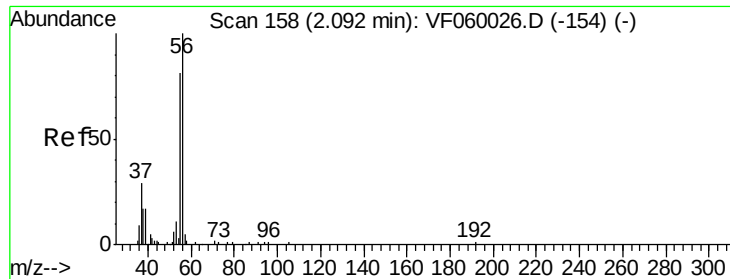


#12

1,1-Dichloroethene
Concen: 95.99 ug/l
RT: 1.83 min Scan# 132
Delta R.T. 0.00 min
Lab File: VF060029.D
Acq: 21 Aug 2018 19:46

Tgt Ion	96	Resp	179043
Ion Ratio	96	100	
Lower	61	217.4	185.0
Upper	98	61.4	47.8
			71.8





#13

Acrolein

Concen: 618.10 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 74043

Ion Ratio Lower Upper

56 100

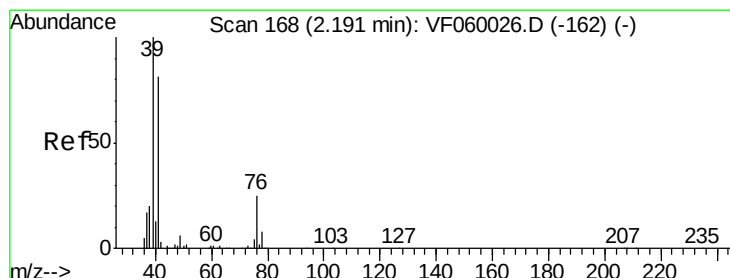
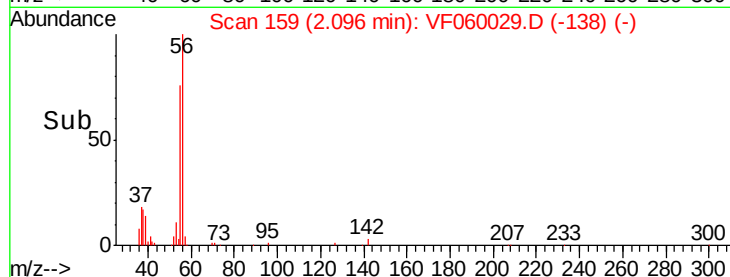
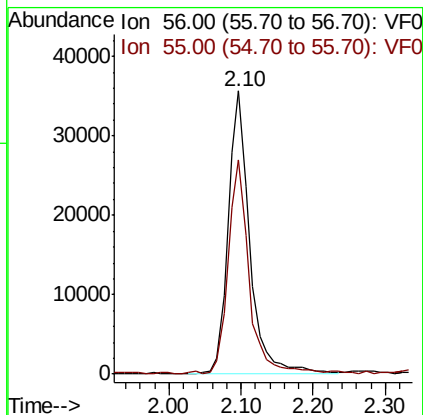
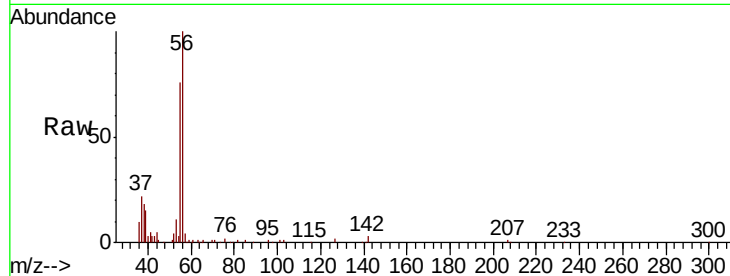
55 75.7 65.6 98.4

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#14

Allyl chloride

Concen: 98.52 ug/l

RT: 2.19 min Scan# 169

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

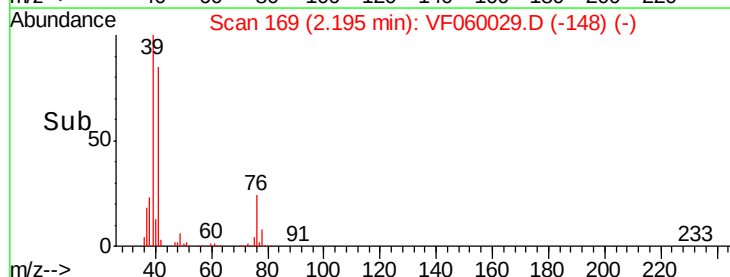
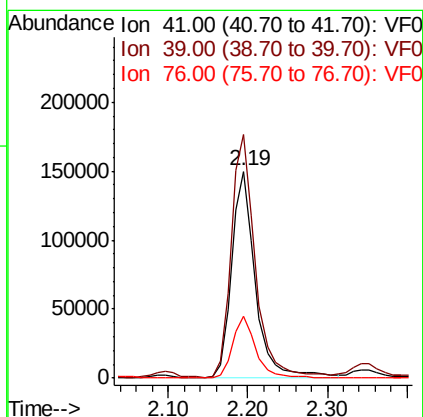
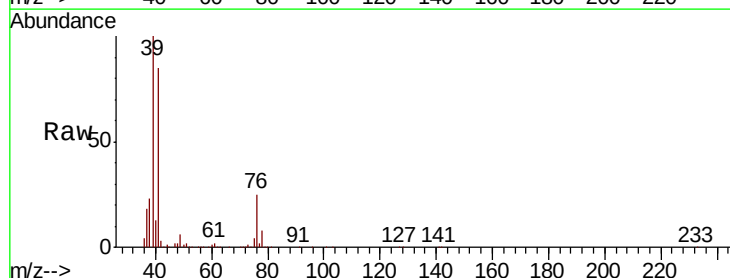
Tgt Ion: 41 Resp: 310938

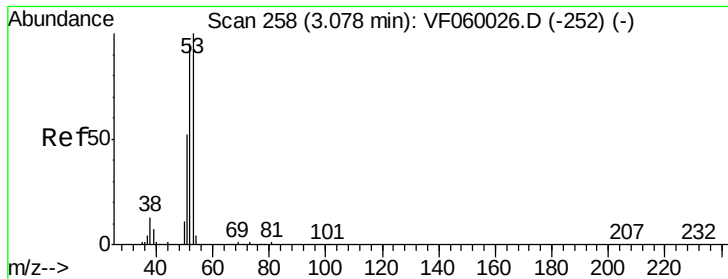
Ion Ratio Lower Upper

41 100

39 117.9 99.3 148.9

76 29.7 24.3 36.5





#15

Acrylonitrile

Concen: 592.91 ug/l

RT: 3.08 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

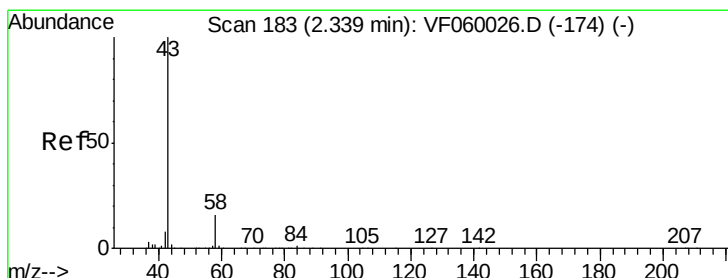
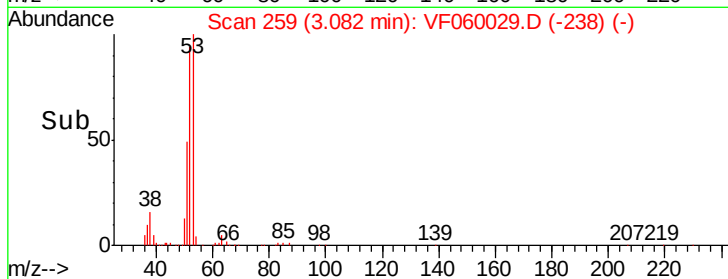
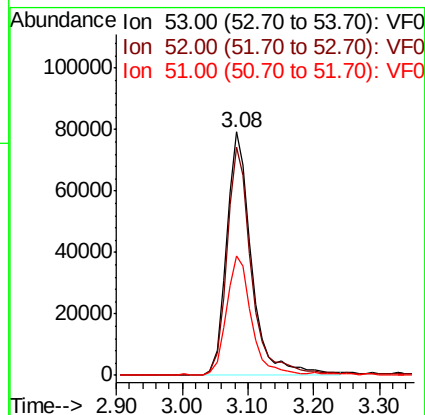
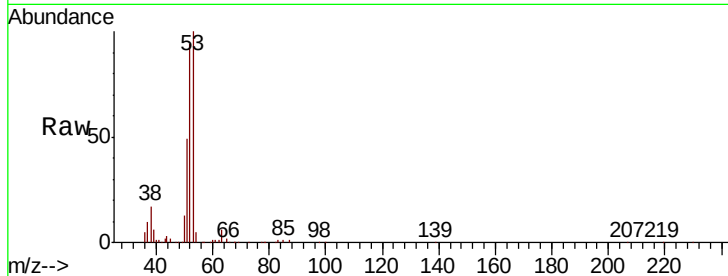
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	211951
Ion	Ratio	Lower	Upper
53	100		
52	93.8	75.8	113.8
51	48.9	42.1	63.1

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#16

Acetone

Concen: 413.35 ug/l

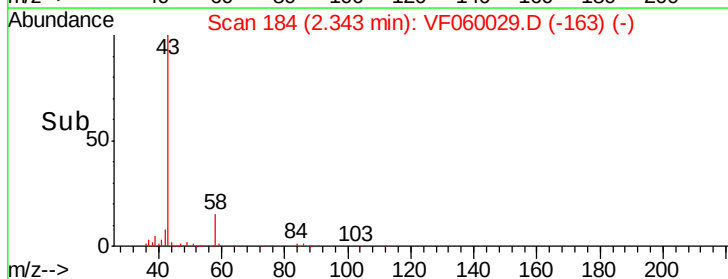
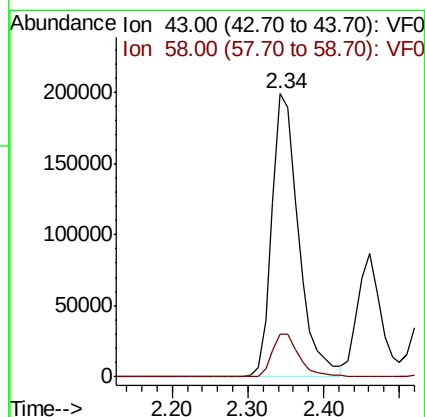
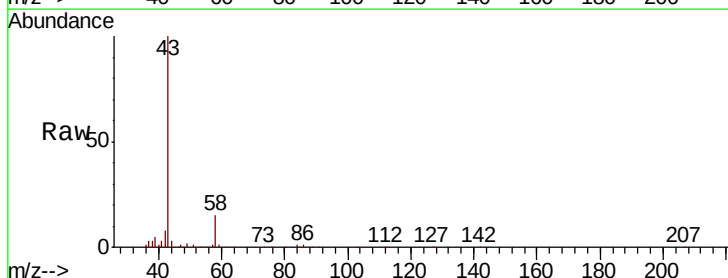
RT: 2.34 min Scan# 184

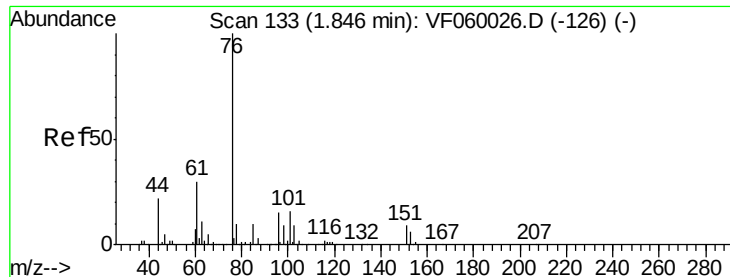
Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Tgt Ion:	43	Resp:	490014
Ion	Ratio	Lower	Upper
43	100		
58	15.3	12.6	19.0





#17

Carbon Disulfide

Concen: 86.89 ug/l

RT: 1.84 min Scan# 133

Delta R.T. -0.01 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 512778

Ion Ratio Lower Upper

76 100

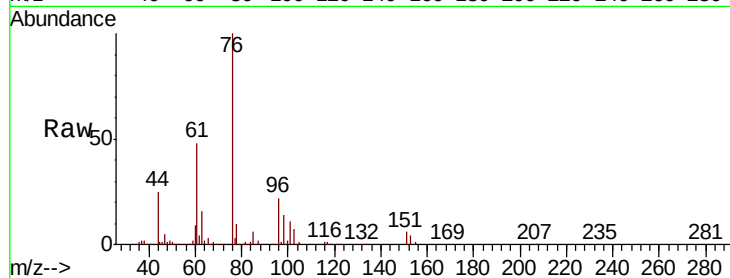
78 10.2 8.4 12.6

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

300000

250000

200000

150000

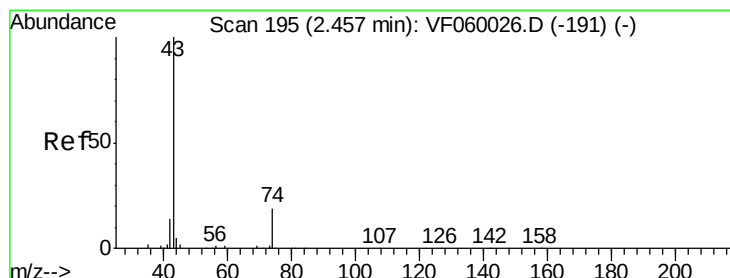
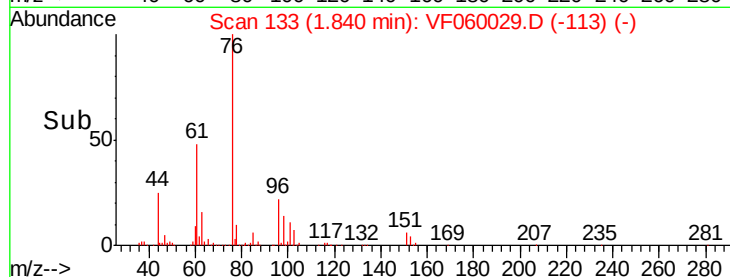
100000

50000

0

1.70 1.80 1.90 2.00

Time-->



#18

Methyl Acetate

Concen: 77.93 ug/l

RT: 2.46 min Scan# 196

Delta R.T. 0.00 min

Lab File: VF060029.D

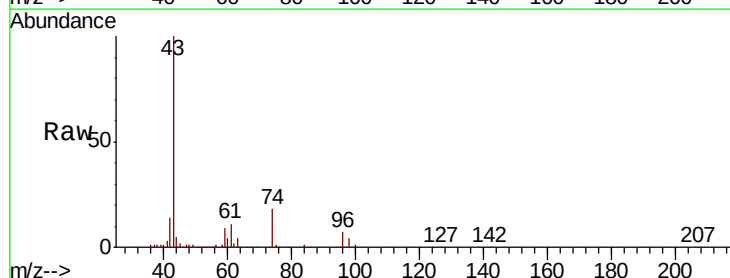
Acq: 21 Aug 2018 19:46

Tgt Ion: 43 Resp: 176368

Ion Ratio Lower Upper

43 100

74 17.7 13.8 20.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

100000

80000

60000

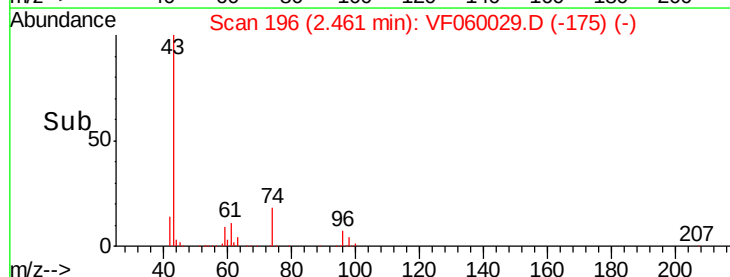
40000

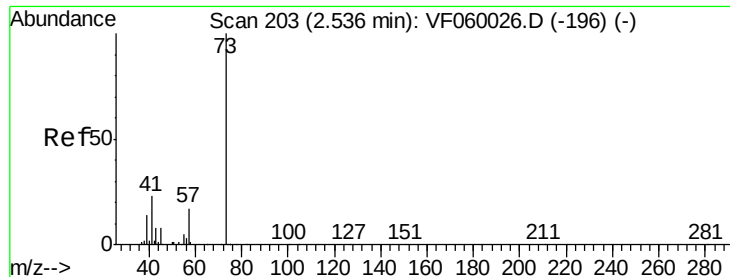
20000

0

2.40 2.45 2.50

Time-->





#19

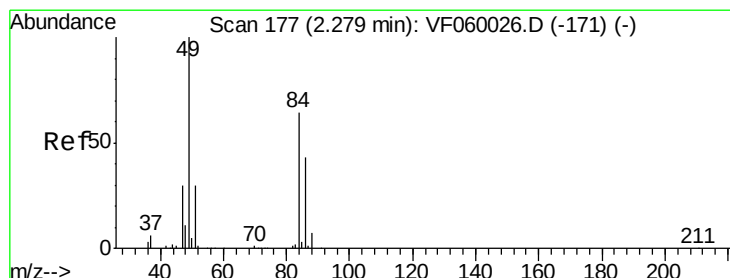
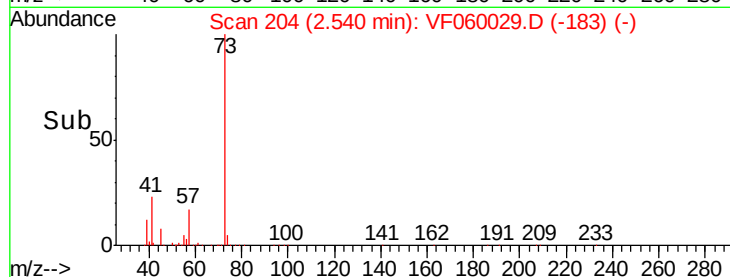
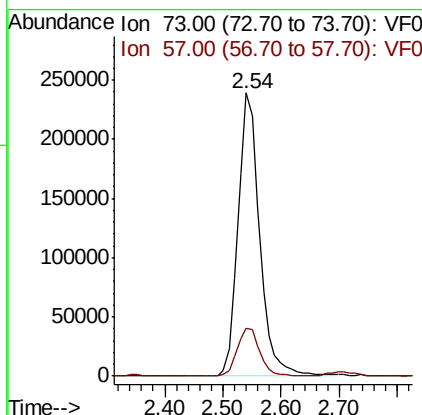
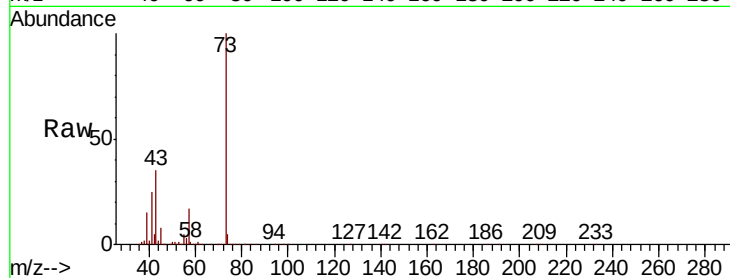
Methyl tert-butyl Ether
 Concen: 102.29 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.00 min
 Lab File: VF060029.D
 Acq: 21 Aug 2018 19:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.9	13.7	20.5

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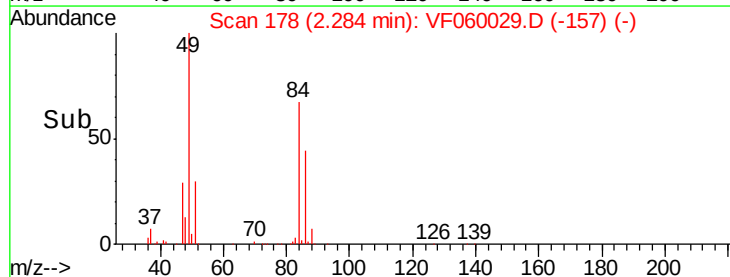
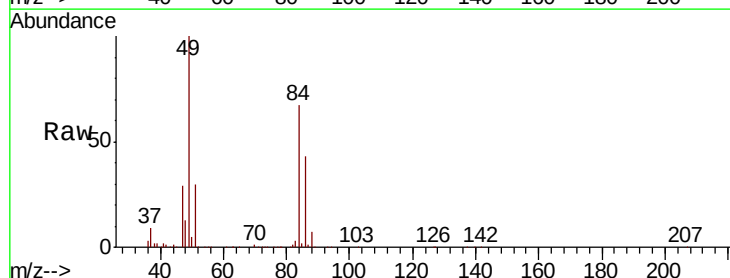
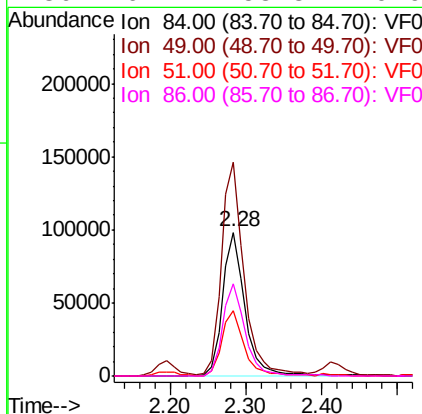
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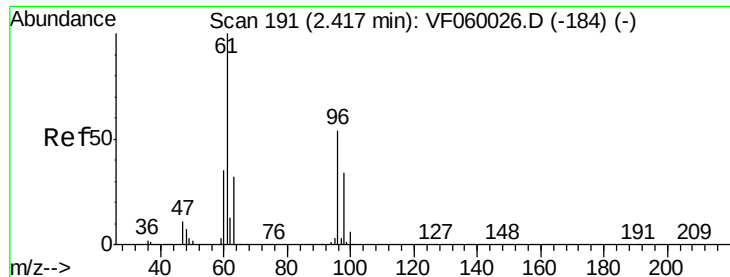


#20

Methylene Chloride
 Concen: 76.35 ug/l
 RT: 2.28 min Scan# 178
 Delta R.T. 0.00 min
 Lab File: VF060029.D
 Acq: 21 Aug 2018 19:46

Tgt Ion	Ratio	Lower	Upper
84	100		
49	148.9	125.4	188.0
51	45.2	38.3	57.5
86	64.7	53.3	79.9





#21

trans-1,2-Dichloroethene

Concen: 98.82 ug/l

RT: 2.42 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

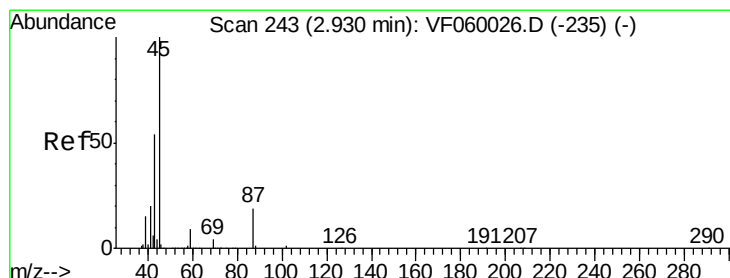
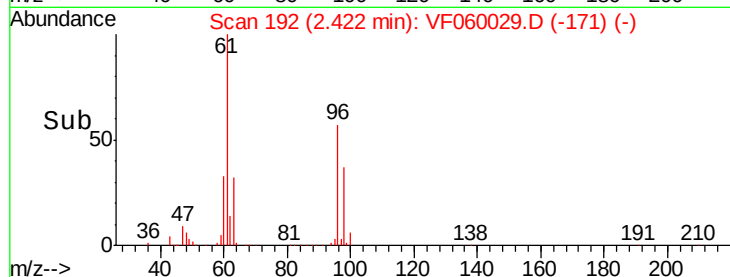
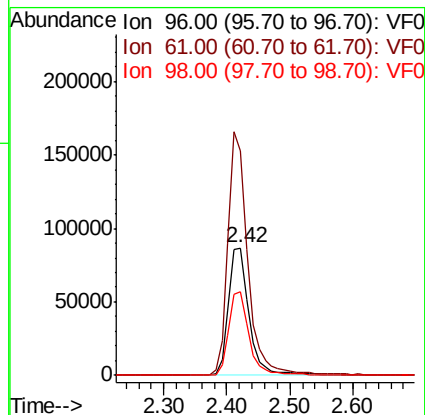
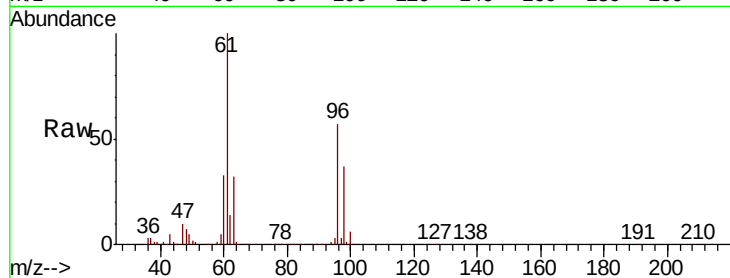
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	197565
Ion	Ratio	Lower	Upper
96	100		
61	176.7	147.4	221.0
98	65.6	49.8	74.6

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#22

Diisopropyl ether

Concen: 111.51 ug/l

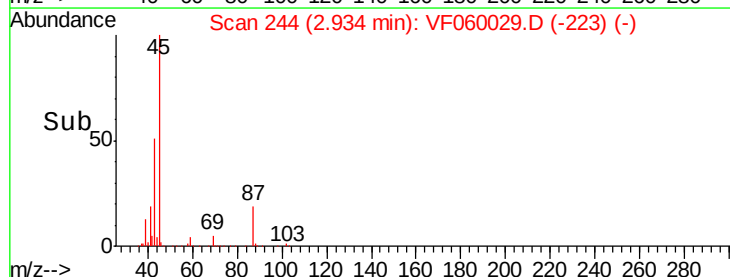
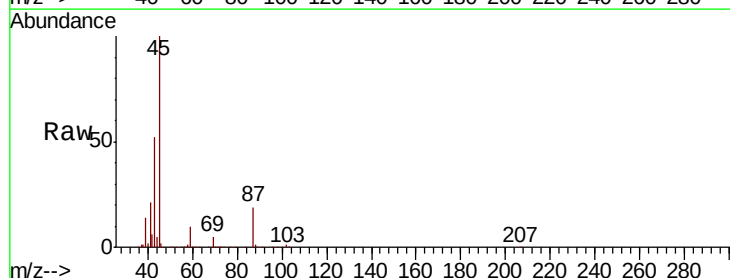
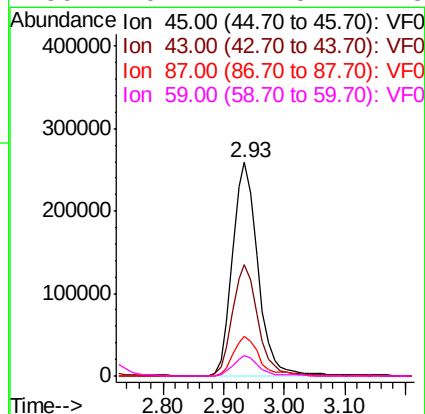
RT: 2.93 min Scan# 244

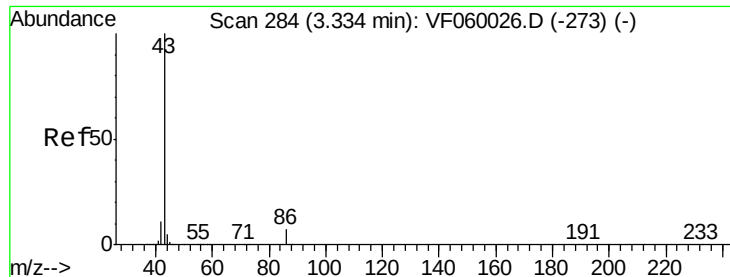
Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Tgt Ion:	45	Resp:	755088
Ion	Ratio	Lower	Upper
45	100		
43	52.0	43.4	65.2
87	18.7	15.4	23.2
59	9.7	7.5	11.3





#23

Vinyl Acetate

Concen: 732.54 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2073597

Ion Ratio Lower Upper

43 100

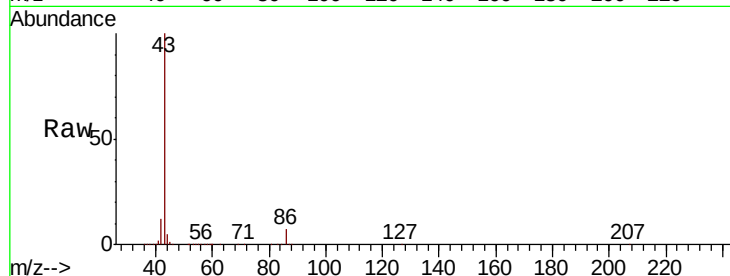
86 7.1 5.6 8.4

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.34

800000

600000

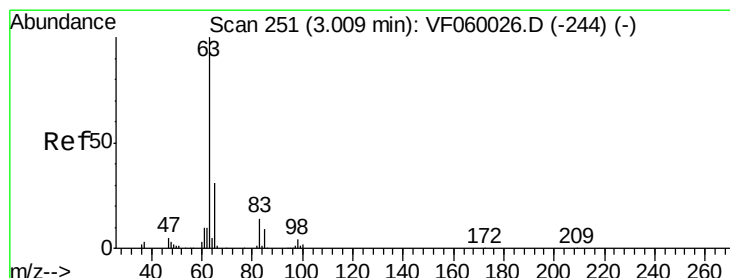
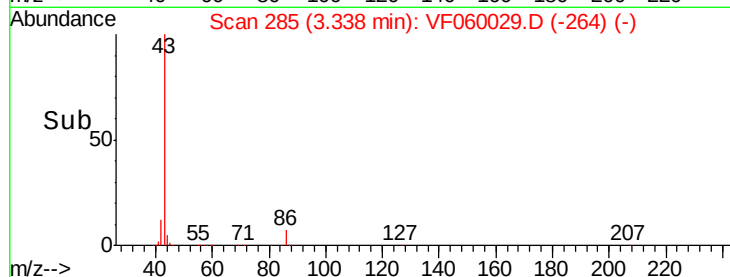
400000

200000

0

Time-->

3.20 3.30 3.40 3.50



#24

1,1-Dichloroethane

Concen: 103.06 ug/l

RT: 3.01 min Scan# 252

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

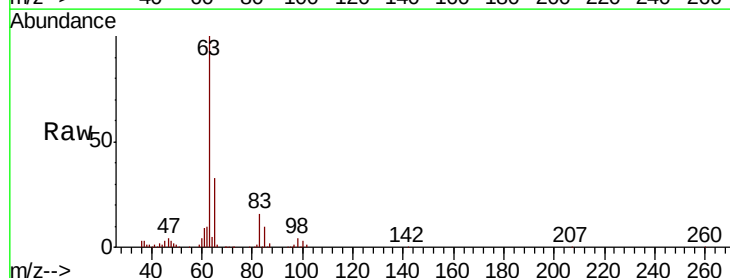
Tgt Ion: 63 Resp: 450617

Ion Ratio Lower Upper

63 100

98 4.4 2.1 6.5

100 2.8 1.1 3.3



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

200000

150000

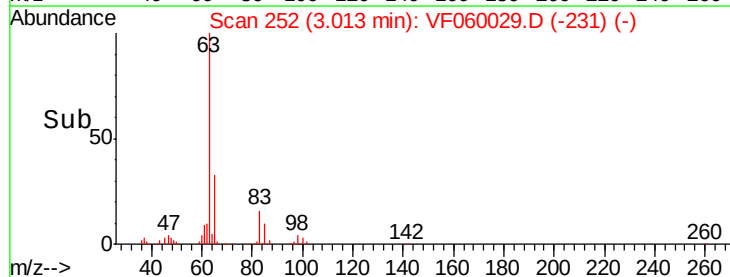
100000

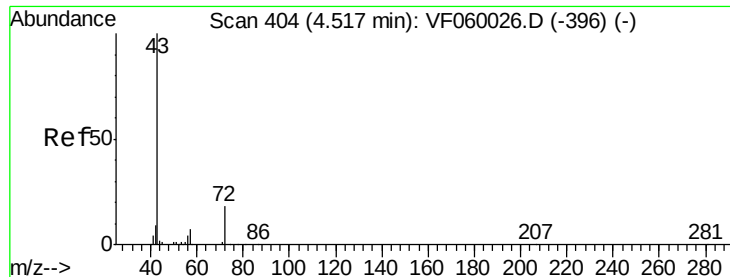
50000

0

Time-->

2.80 2.90 3.00 3.10 3.20





#25

2-Butanone

Concen: 674.30 ug/l

RT: 4.52 min Scan# 405

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 660032

Ion Ratio Lower Upper

43 100

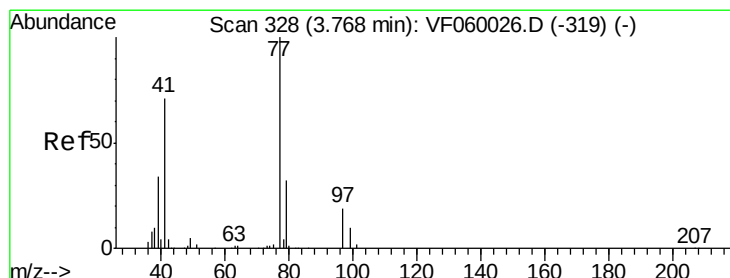
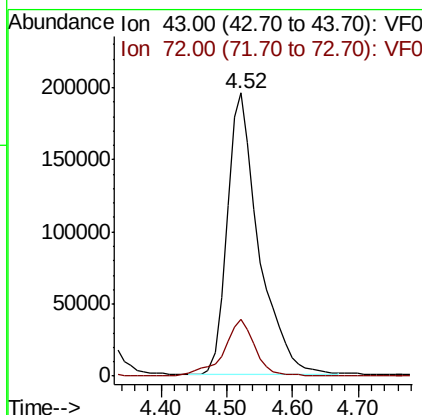
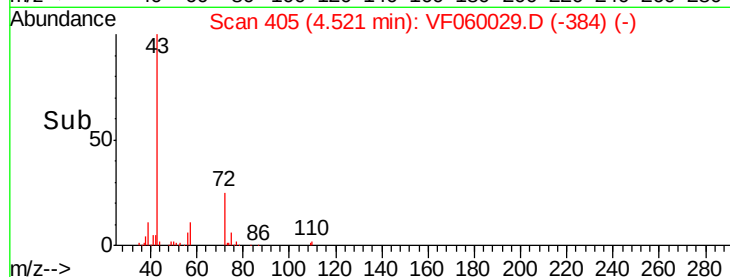
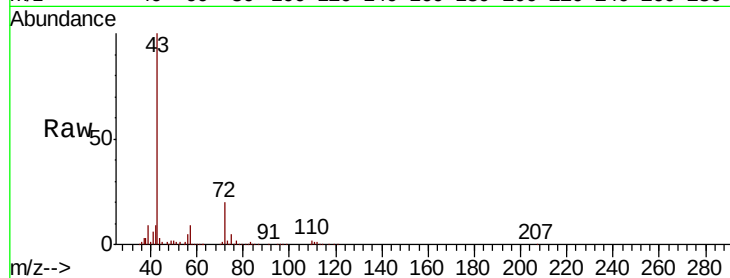
72 19.9 15.0 22.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 127.70 ug/l

RT: 3.77 min Scan# 329

Delta R.T. 0.00 min

Lab File: VF060029.D

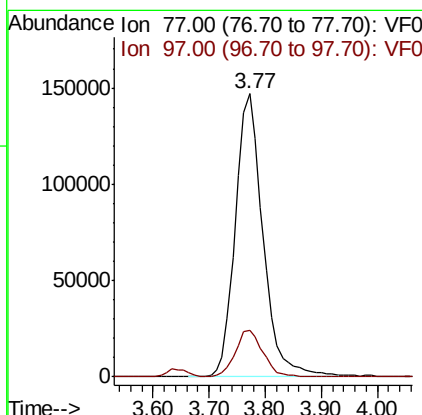
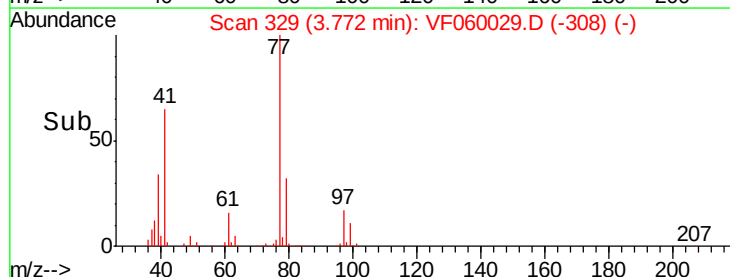
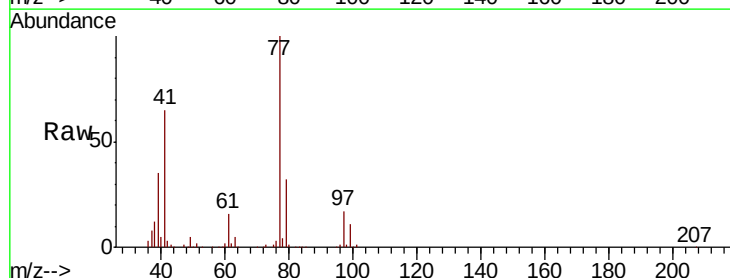
Acq: 21 Aug 2018 19:46

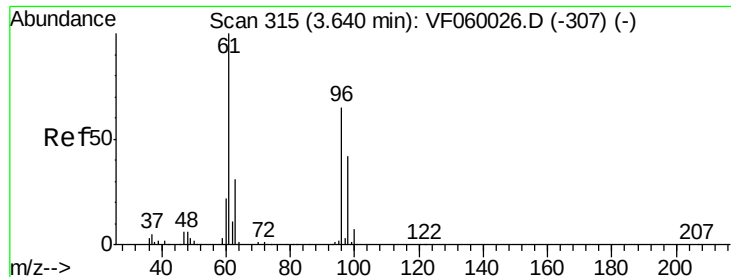
Tgt Ion: 77 Resp: 504151

Ion Ratio Lower Upper

77 100

97 16.5 9.7 29.1





#27

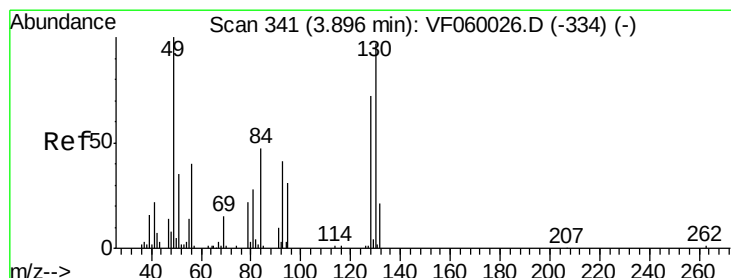
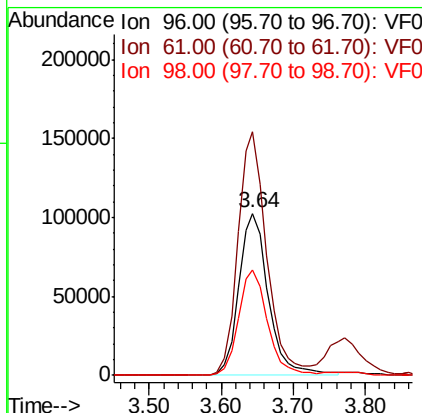
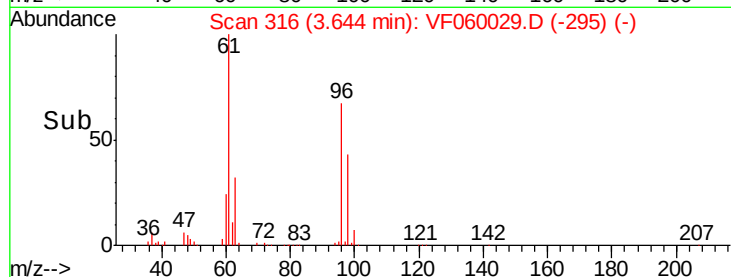
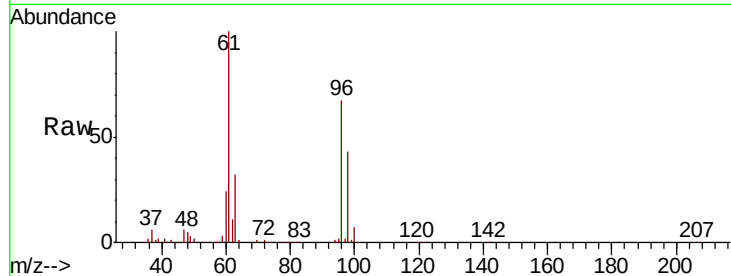
cis-1,2-Dichloroethene
Concen: 151.57 ug/l
RT: 3.64 min Scan# 316
Delta R.T. 0.00 min
Lab File: VF060029.D
Acq: 21 Aug 2018 19:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	294595		
61	150.1	0.0	307.6	
98	65.2	0.0	128.4	

Manual Integrations
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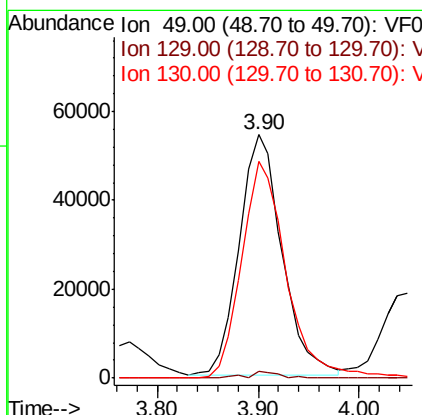
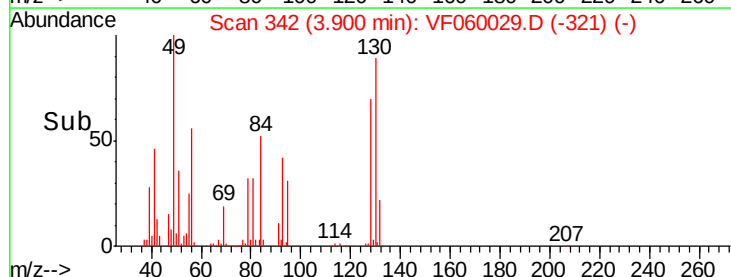
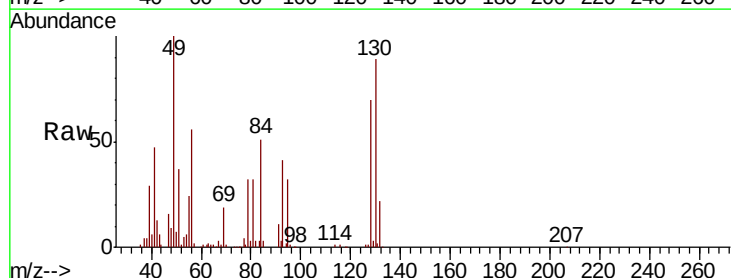
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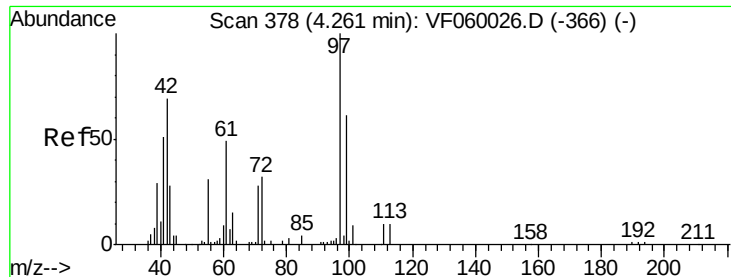


#28

Bromochloromethane
Concen: 117.77 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.00 min
Lab File: VF060029.D
Acq: 21 Aug 2018 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	158861		
129	2.8	0.0	7.4	
130	88.9	78.0	117.0	





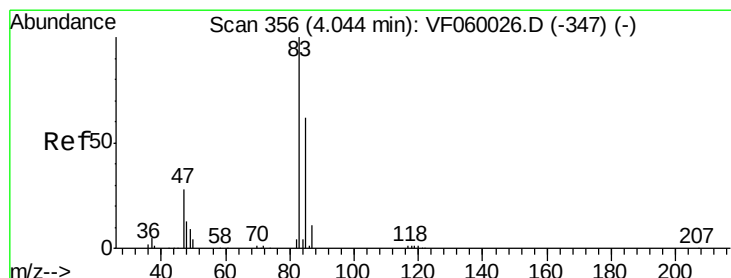
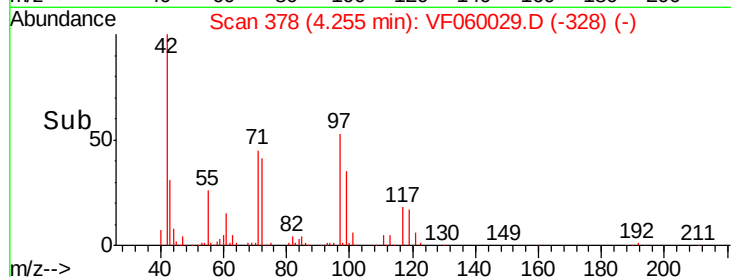
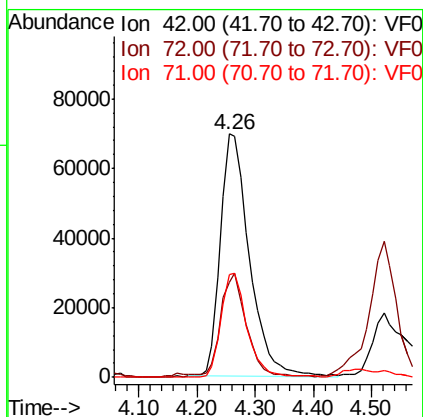
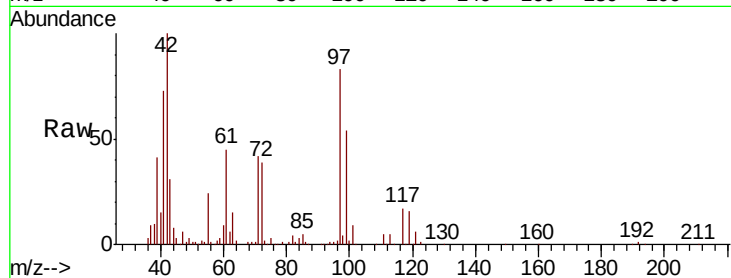
#29
Tetrahydrofuran
Concen: 687.95 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.01 min
Lab File: VF060029.D
Acq: 21 Aug 2018 19:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
42	100	241577		
72	37.5		31.4	47.2
71	38.1		29.7	44.5

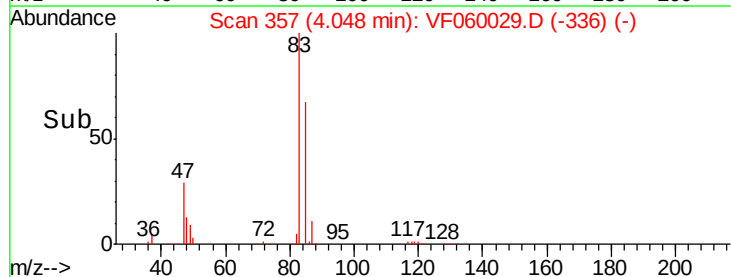
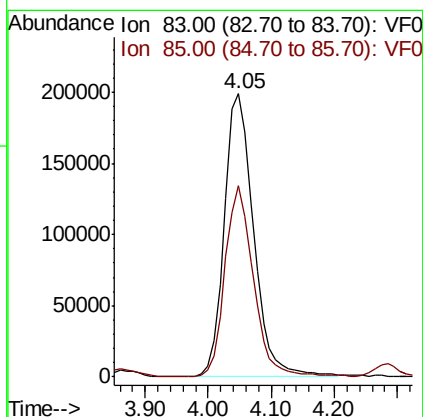
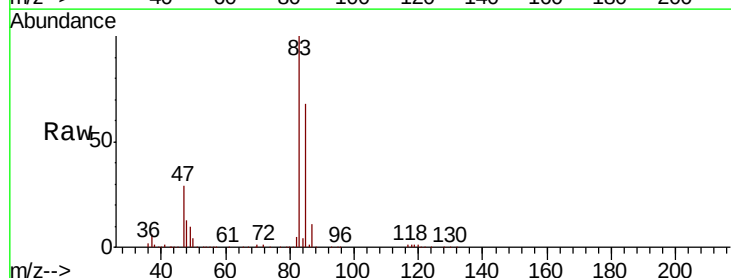
Manual Integrations
APPROVED

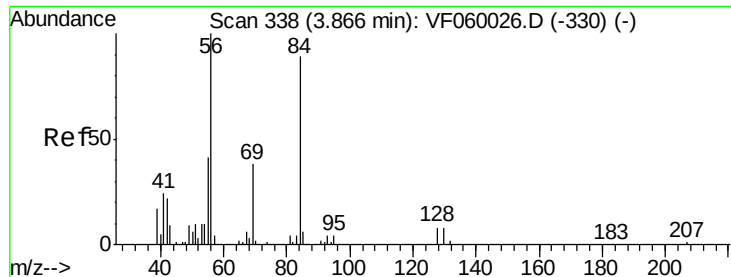
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#30
Chloroform
Concen: 122.52 ug/l
RT: 4.05 min Scan# 357
Delta R.T. 0.00 min
Lab File: VF060029.D
Acq: 21 Aug 2018 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	642777		
85	67.5		49.5	74.3





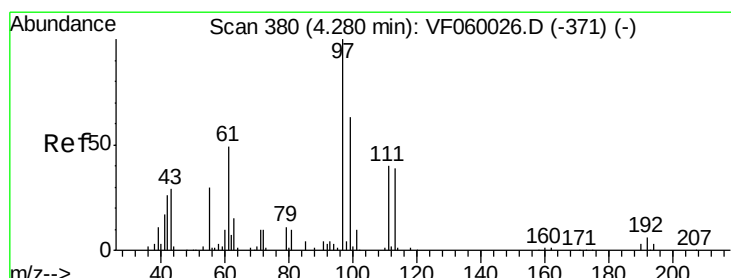
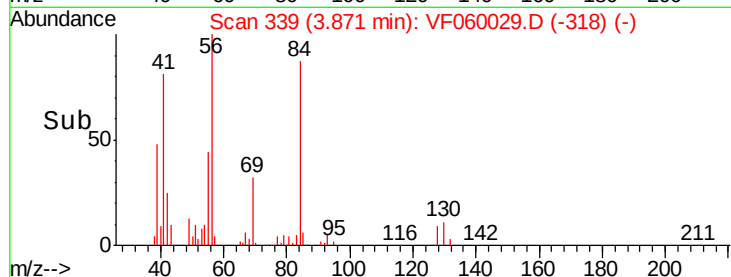
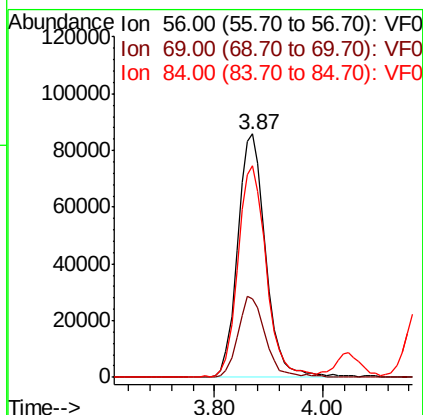
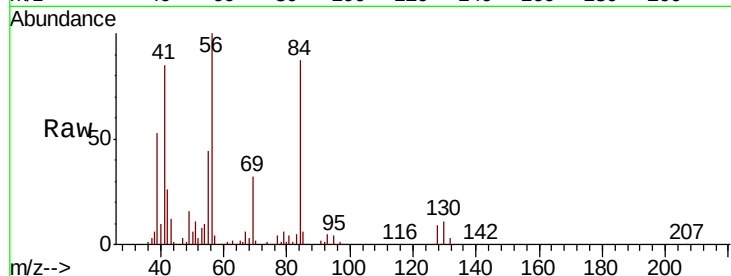
#31
Cyclohexane
Concen: 141.23 ug/l
RT: 3.87 min Scan# 339
Delta R.T. 0.00 min
Lab File: VF060029.D
Acq: 21 Aug 2018 19:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.3	30.4	45.6
84	86.9	71.4	107.2

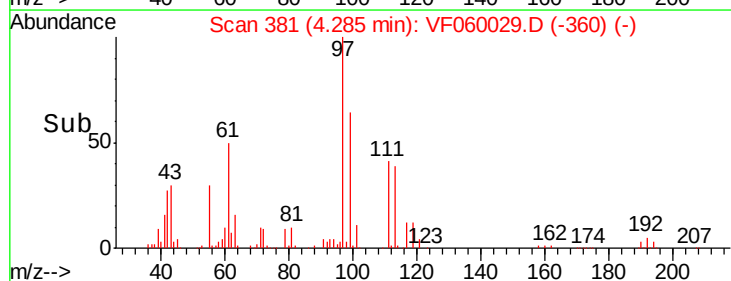
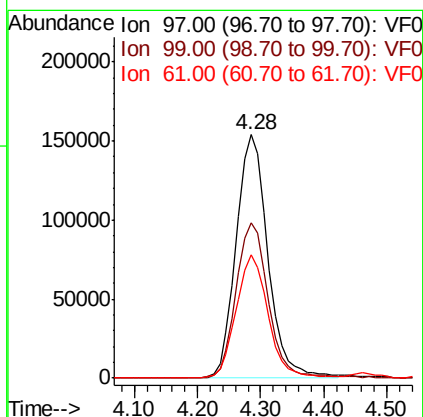
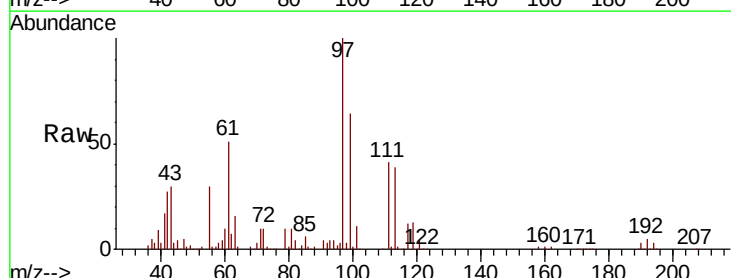
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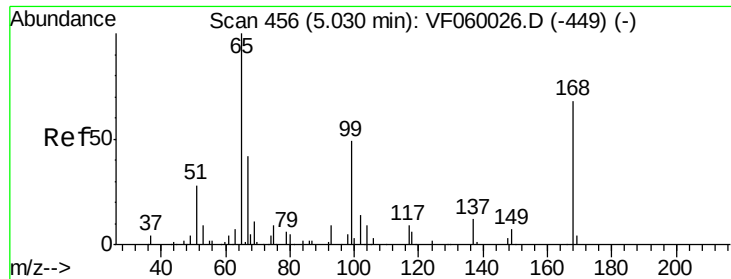
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#32
1,1,1-Trichloroethane
Concen: 107.21 ug/l
RT: 4.28 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF060029.D
Acq: 21 Aug 2018 19:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.3	75.5
61	50.6	40.3	60.5





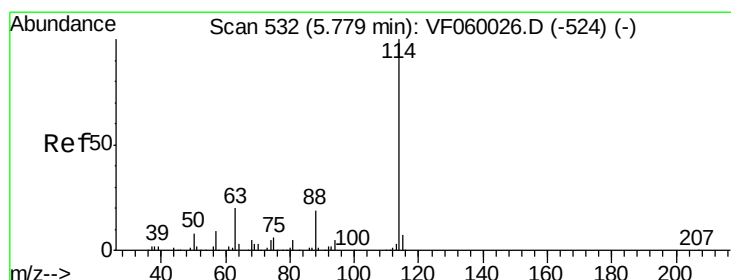
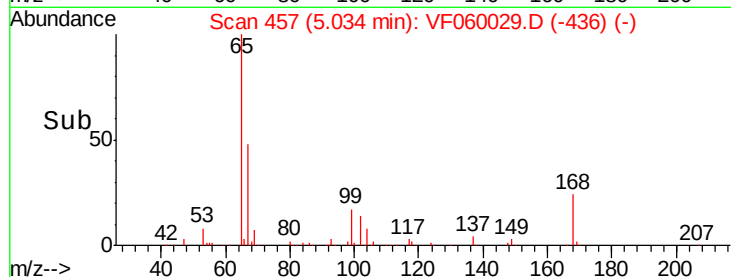
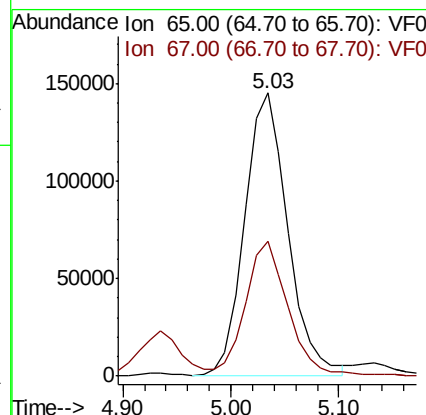
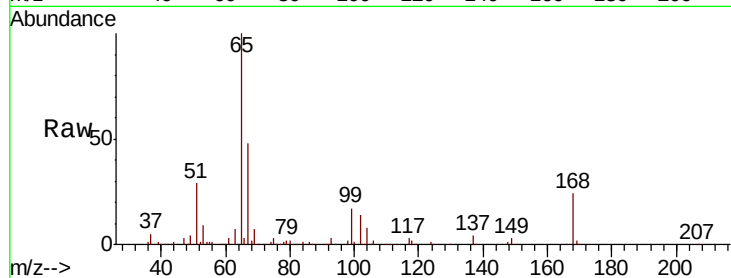
#33
 1,2-Dichloroethane-d4
 Concen: 105.26 ug/l
 RT: 5.03 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: VF060029.D
 Acq: 21 Aug 2018 19:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	401351		
67	47.8	0.0	92.0	

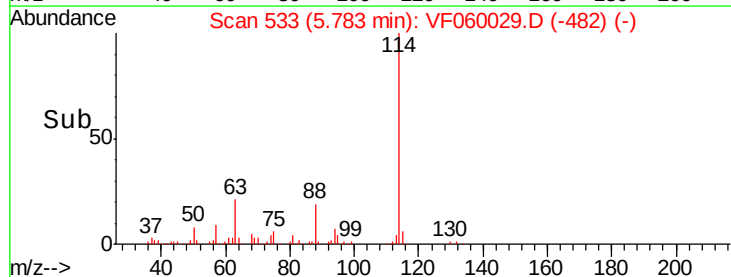
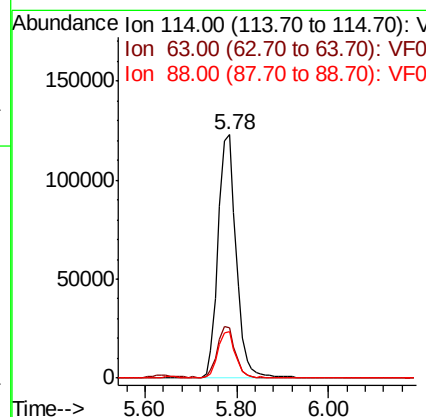
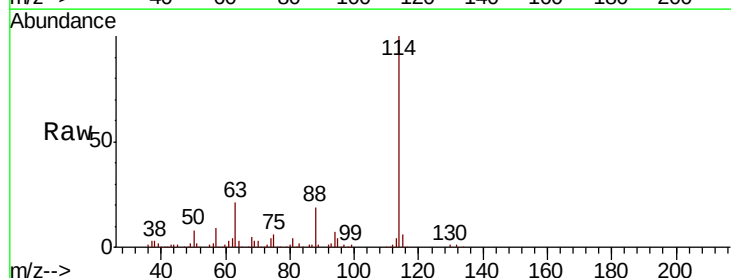
Manual Integrations
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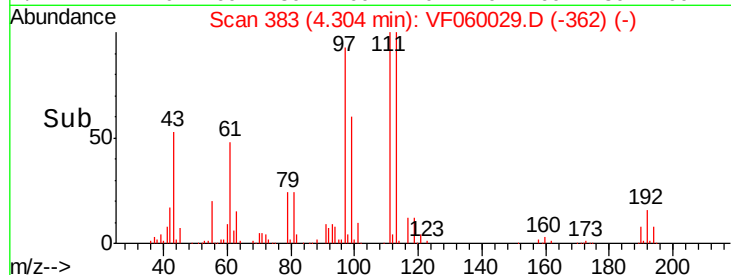
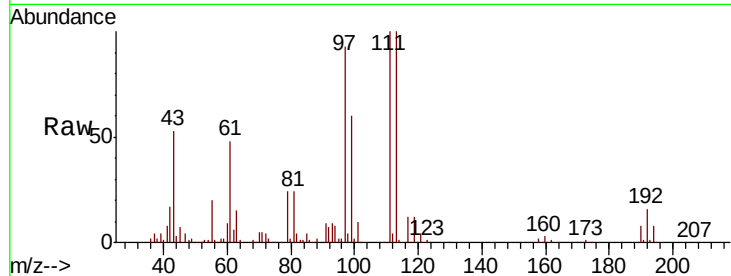
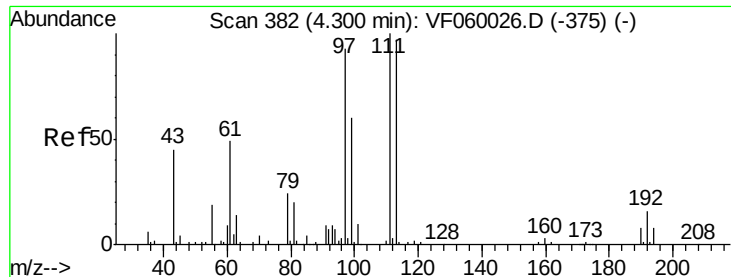
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.78 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: VF060029.D
 Acq: 21 Aug 2018 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	333632		
63	20.9	0.0	40.4	
88	18.9	0.0	38.6	





#35

Dibromofluoromethane

Concen: 108.27 ug/l

RT: 4.30 min Scan# 383

Delta R.T. 0.00 min

Lab File: VF060029.D

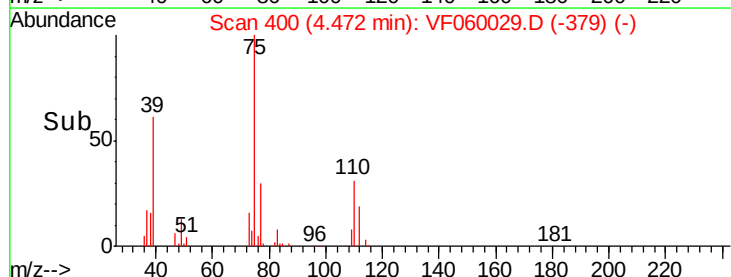
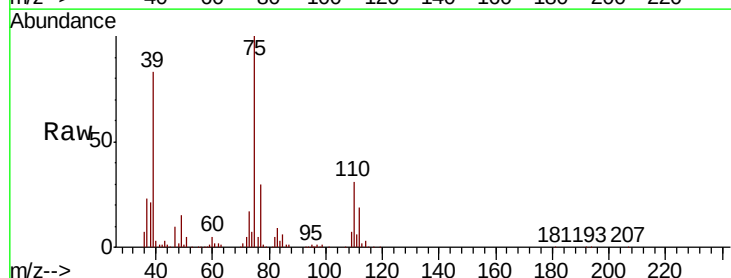
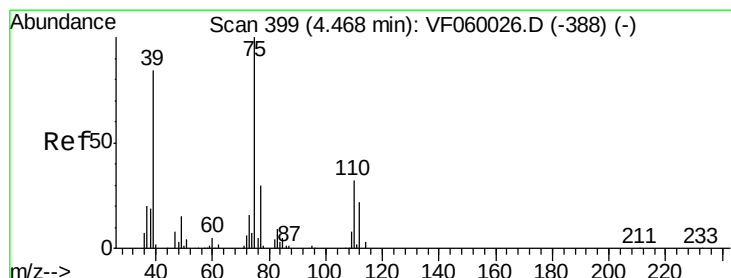
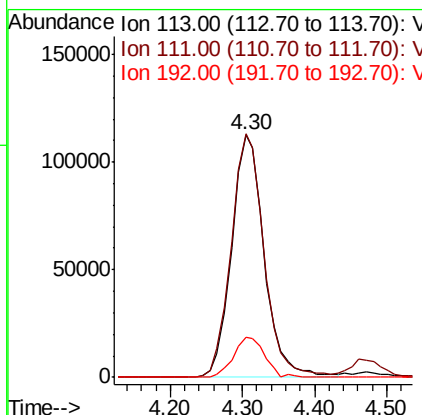
Acq: 21 Aug 2018 19:46

Tot Ion:	113	Resp:	355093
Ion Ratio	Lower	Upper	
113	100		
111	100.4	82.7	124.1
192	16.3	13.0	19.4

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 110.08 ug/l

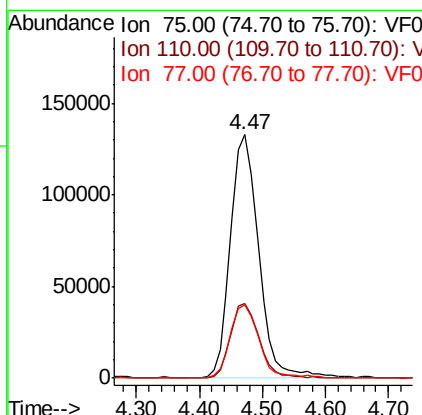
RT: 4.47 min Scan# 400

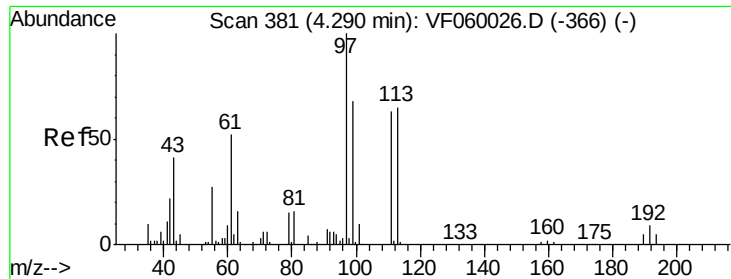
Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Tgt Ion:	75	Resp:	411771
Ion Ratio	Lower	Upper	
75	100		
110	30.8	16.0	47.9
77	30.2	24.1	36.1





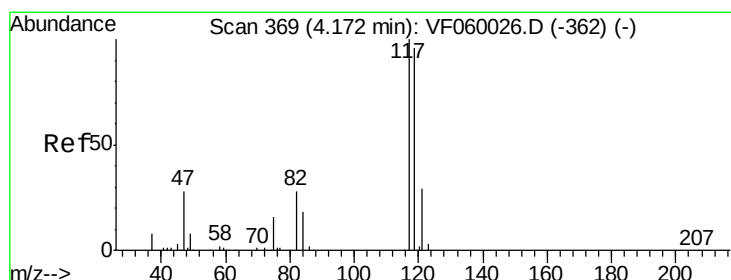
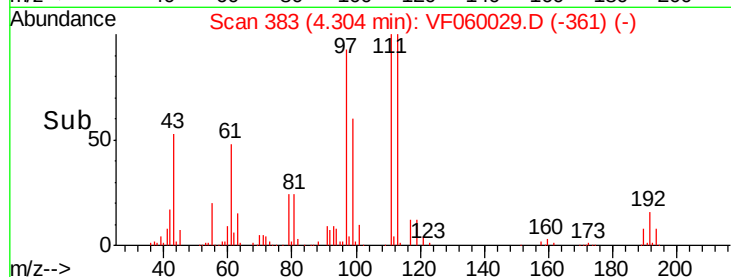
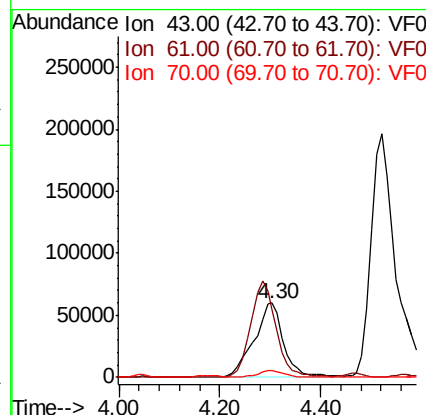
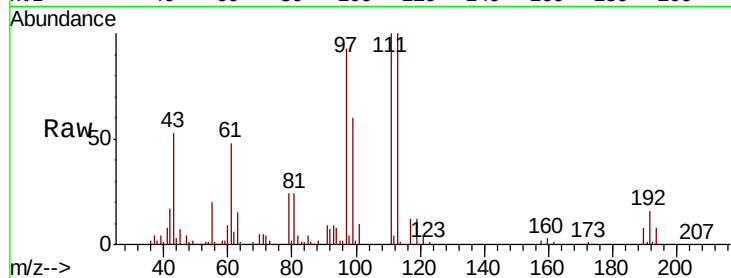
#37
Ethyl Acetate
Concen: 118.04 ug/l
RT: 4.30 min Scan# 383
Delta R.T. 0.01 min
Lab File: VF060029.D
Acq: 21 Aug 2018 19:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	91.0	101.5	152.3#
70	9.3	6.4	9.6

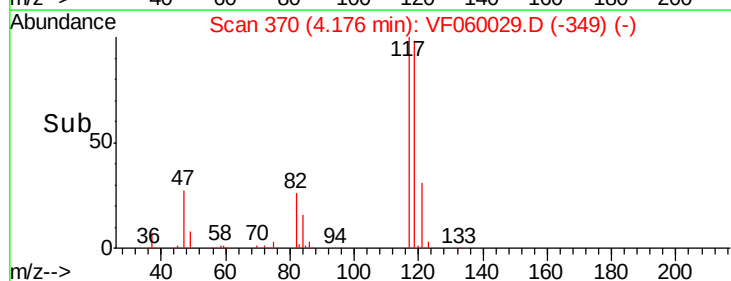
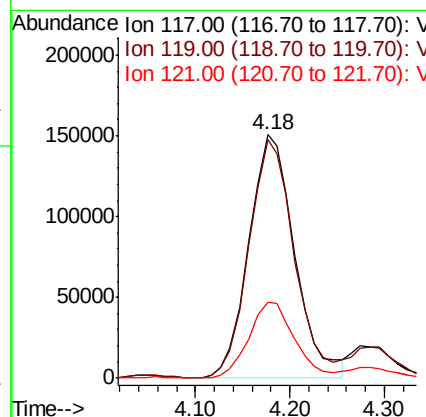
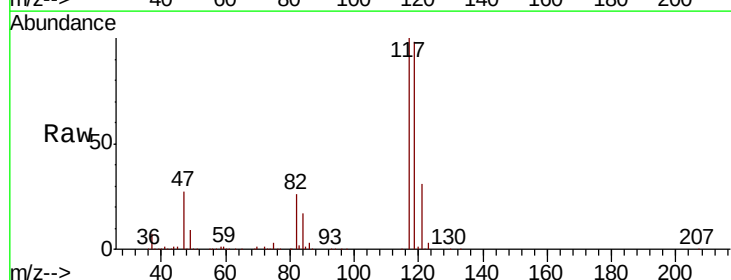
Manual Integrations
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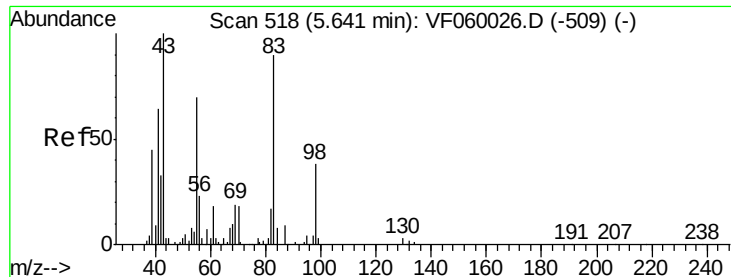
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#38
Carbon Tetrachloride
Concen: 98.15 ug/l
RT: 4.18 min Scan# 370
Delta R.T. 0.00 min
Lab File: VF060029.D
Acq: 21 Aug 2018 19:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	76.5	114.7
121	31.4	23.0	34.6





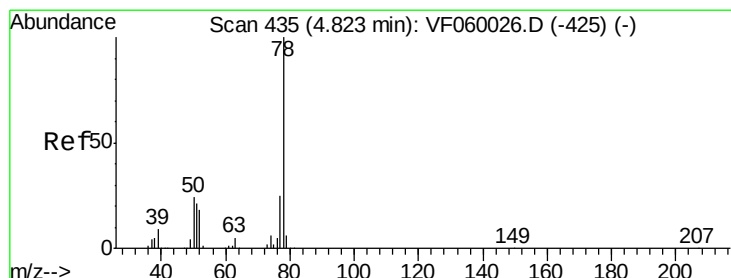
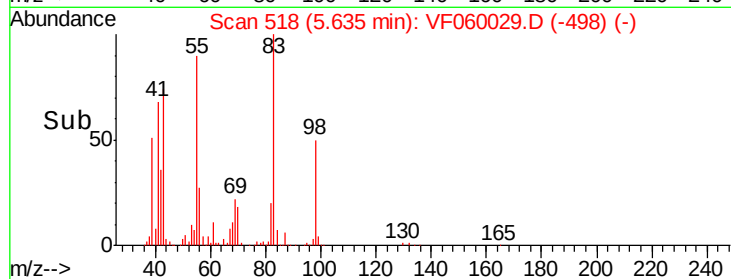
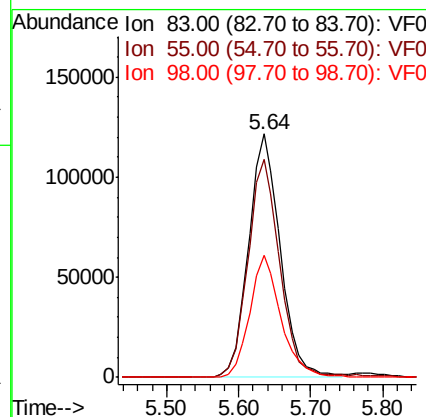
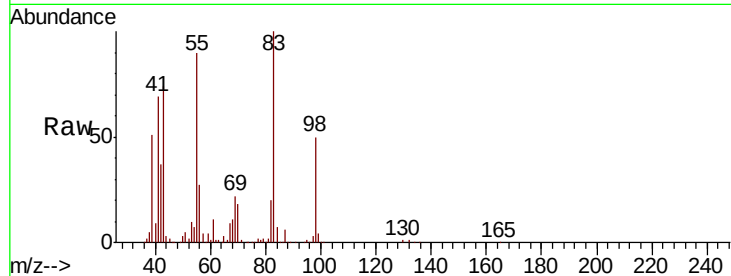
#39
Methylvlcyclohexane
Concen: 130.86 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.01 min
Lab File: VF060029.D
Acq: 21 Aug 2018 19:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.6	62.7	94.1
98	50.0	33.8	50.8

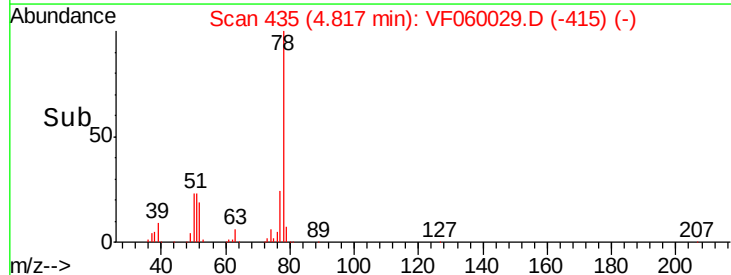
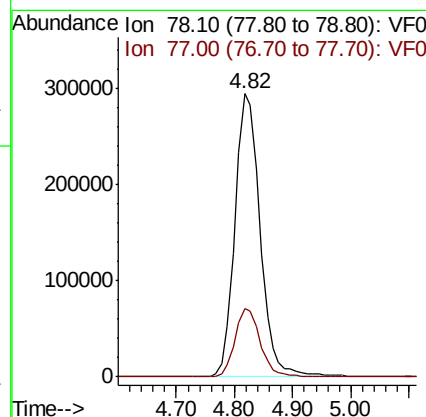
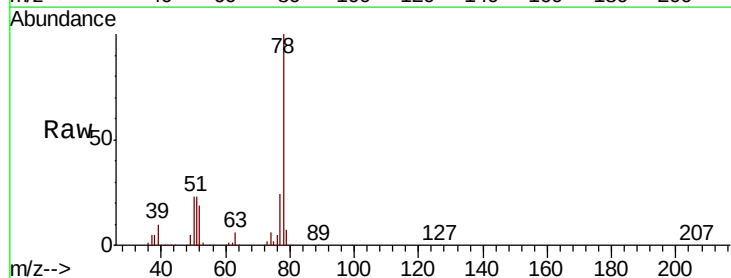
Manual Integrations
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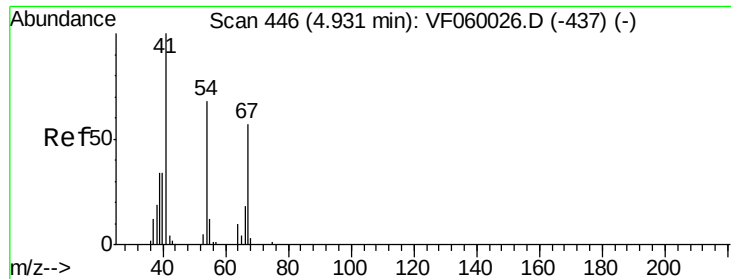
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#40
Benzene
Concen: 138.34 ug/l
RT: 4.82 min Scan# 435
Delta R.T. -0.01 min
Lab File: VF060029.D
Acq: 21 Aug 2018 19:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.8	29.6





#41

Methacrylonitrile

Concen: 127.17 ug/l

RT: 4.94 min Scan# 447

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

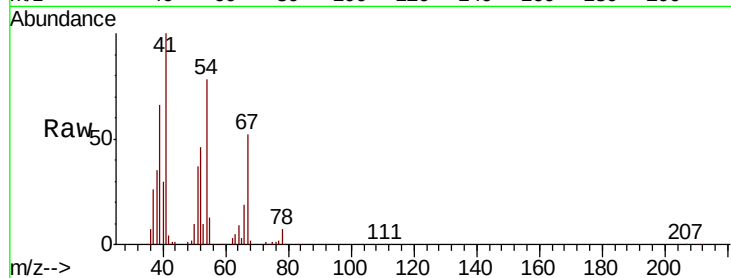
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.8	52.9	79.3
67	52.5	45.3	67.9
52	46.3	34.8	52.2

Manual Integrations
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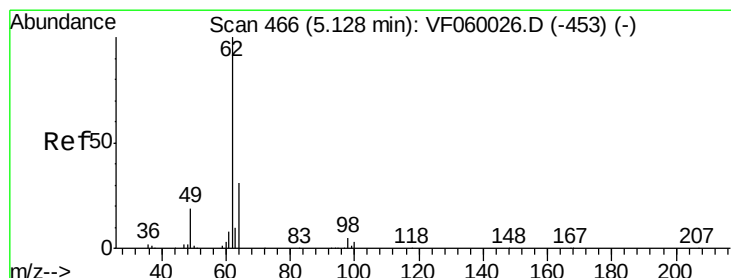
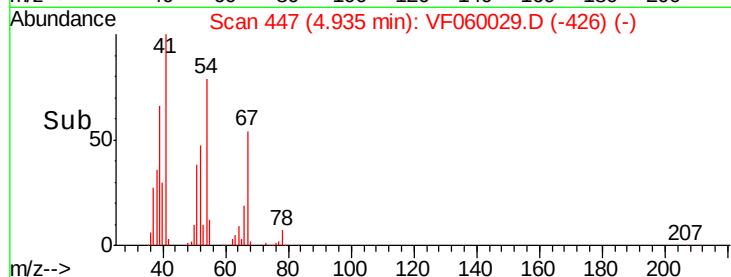
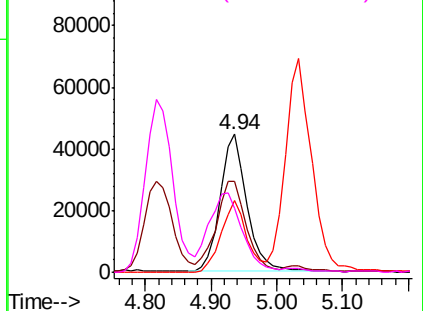
Abundance

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 94.87 ug/l

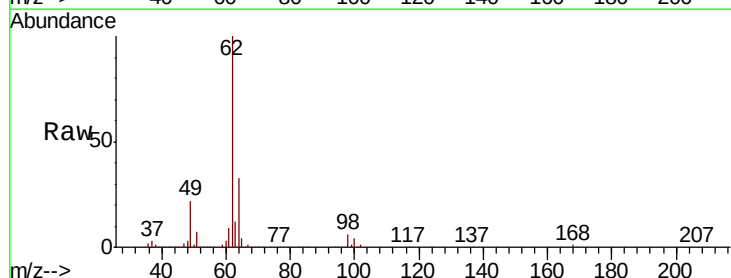
RT: 5.13 min Scan# 467

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

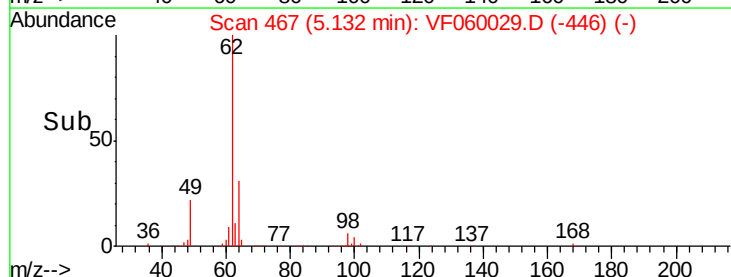
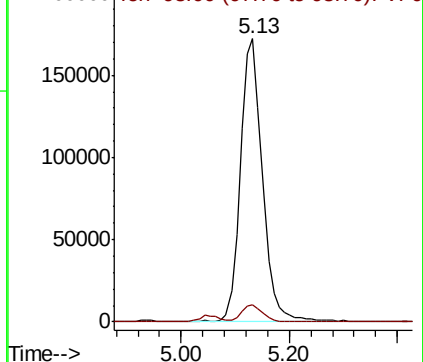
Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.9	0.0	11.2

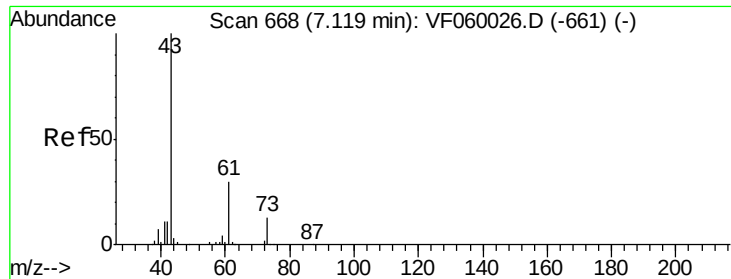


Abundance

Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 146.93 ug/l

RT: 7.12 min Scan# 669

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

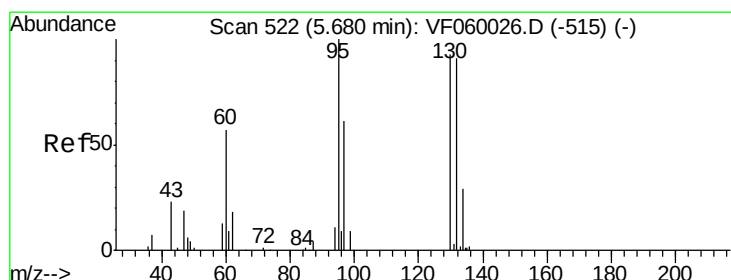
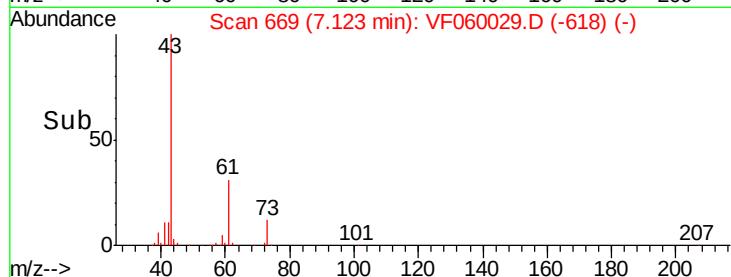
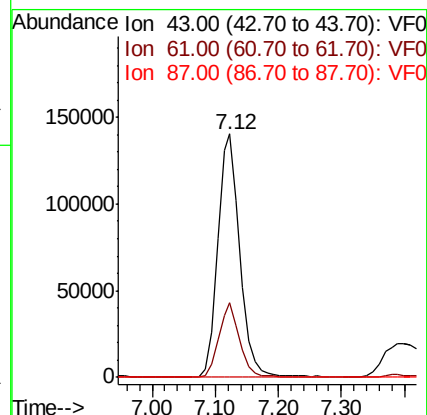
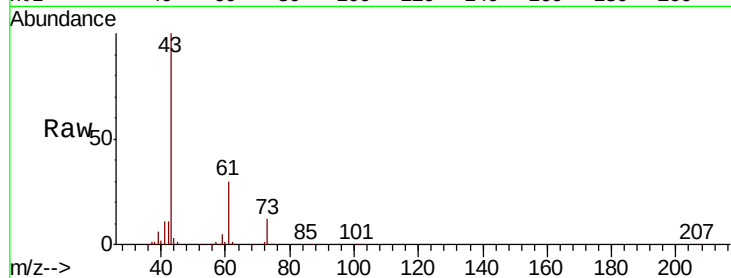
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	340847
Ion	Ratio	Lower	Upper
43	100		
61	30.4	23.8	35.6
87	0.3	0.2	0.4

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#44

Trichloroethene

Concen: 119.20 ug/l

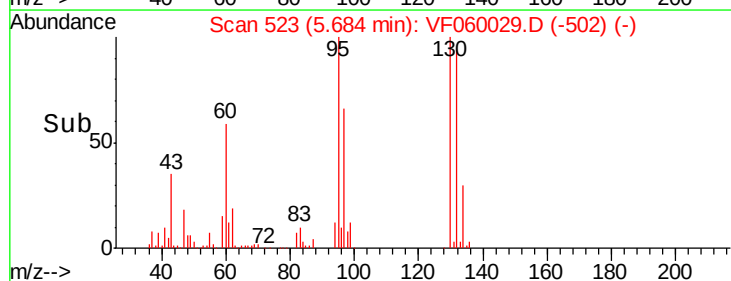
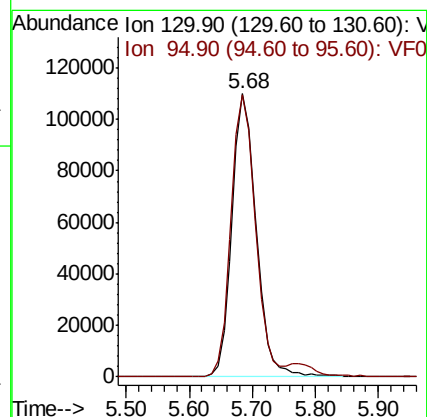
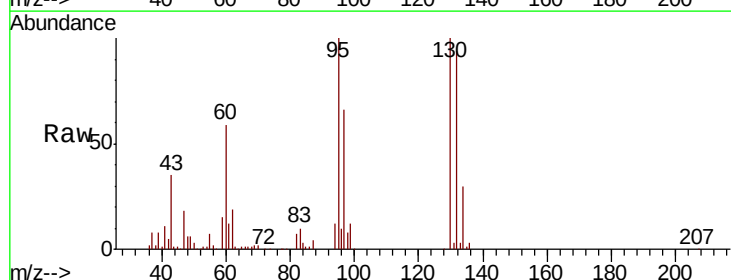
RT: 5.68 min Scan# 523

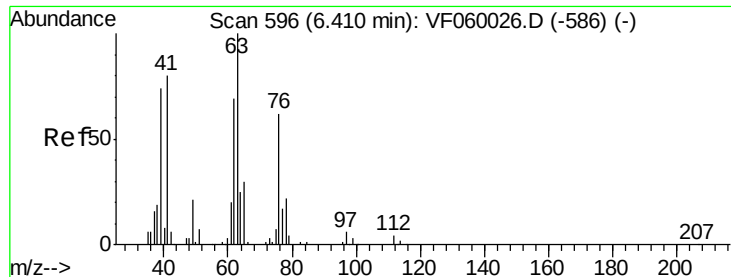
Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Tgt Ion:	130	Resp:	292965
Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	215.8





#45

1,2-Dichloropropane

Concen: 145.35 ug/l

RT: 6.41 min Scan# 597

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 269654

Ion Ratio Lower Upper

63 100

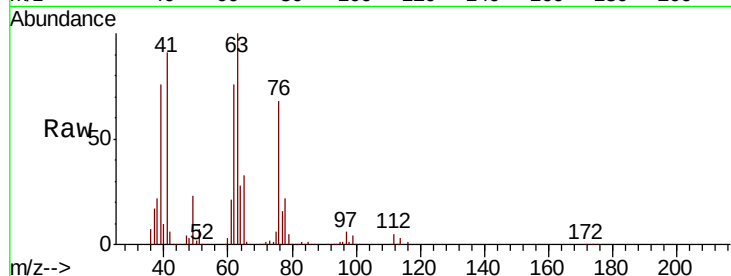
65 32.7 23.8 35.6

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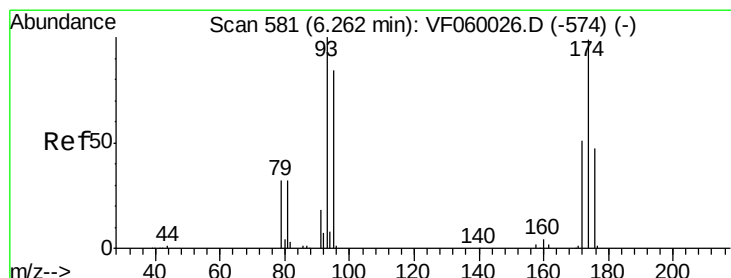
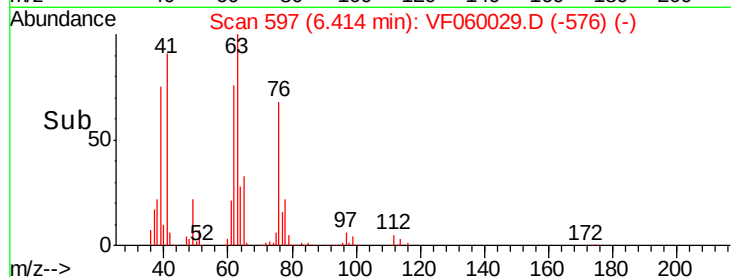
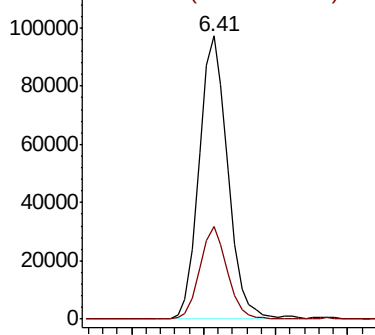
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 120.84 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

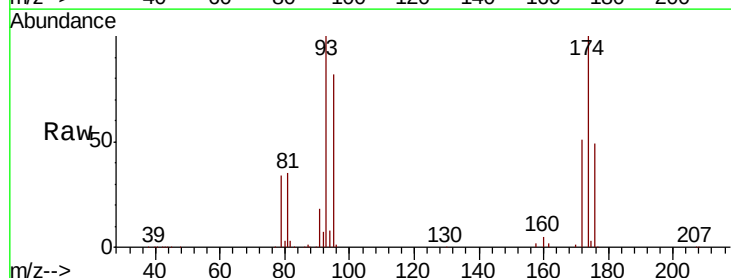
Tgt Ion: 93 Resp: 214658

Ion Ratio Lower Upper

93 100

95 81.6 67.1 100.7

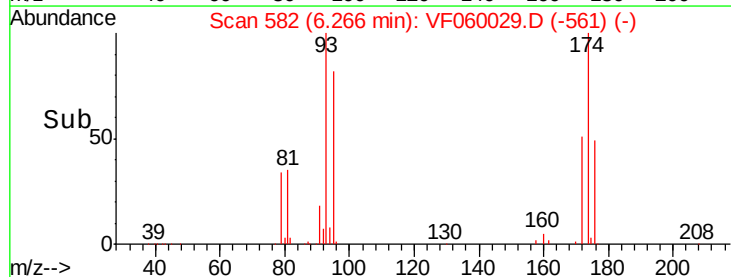
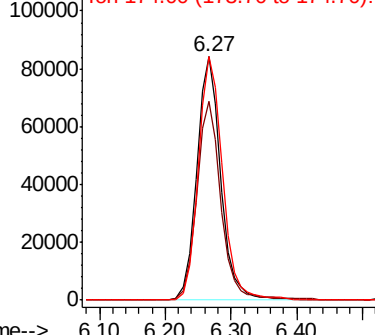
174 100.1 79.0 118.4

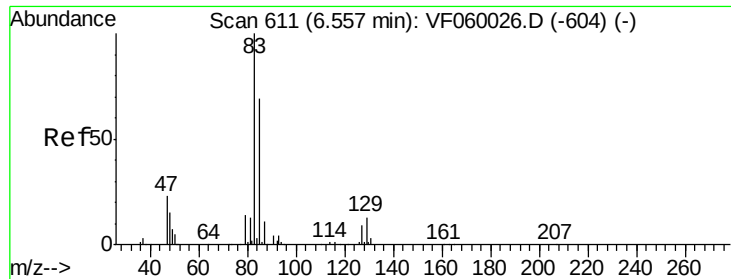


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 110.71 ug/l

RT: 6.56 min Scan# 612

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

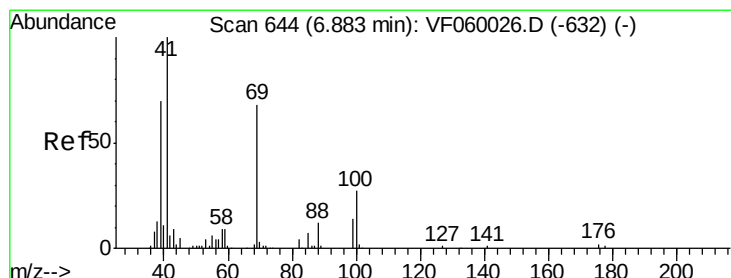
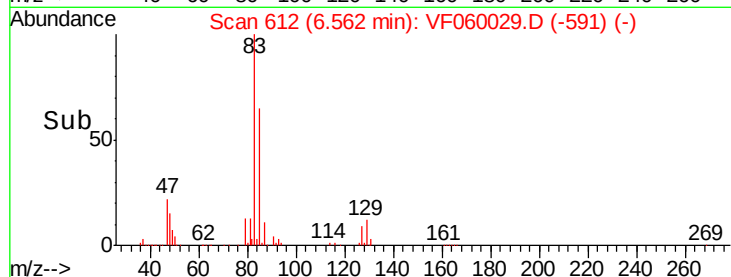
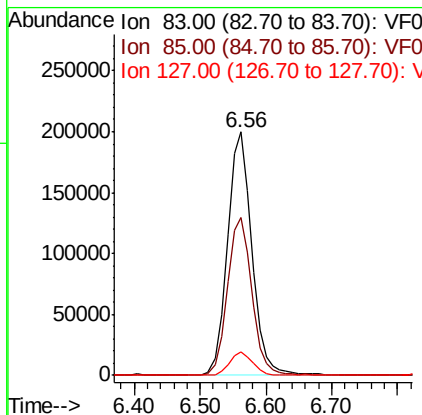
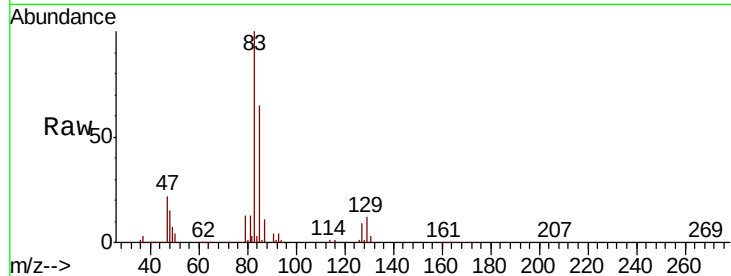
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	518075
Ion Ratio	Lower	Upper	
83	100		
85	64.8	55.2	82.8
127	9.4	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 131.37 ug/l

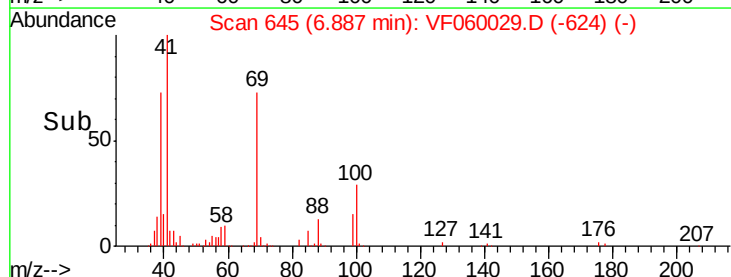
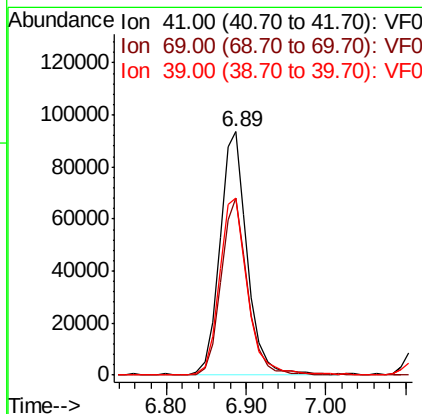
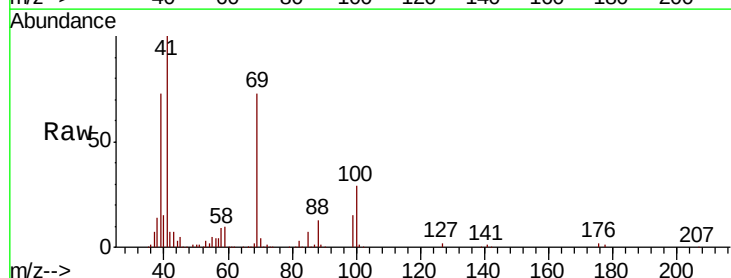
RT: 6.89 min Scan# 645

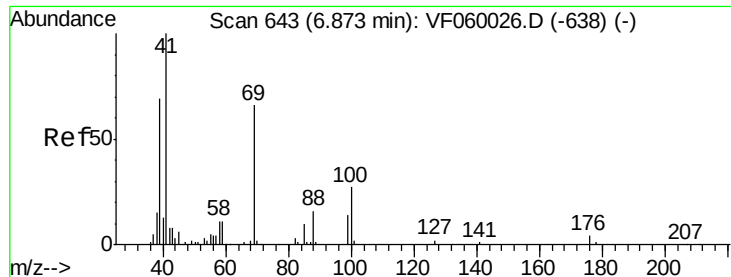
Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Tgt Ion:	41	Resp:	222032
Ion Ratio	Lower	Upper	
41	100		
69	72.5	54.6	81.8
39	73.0	56.5	84.7





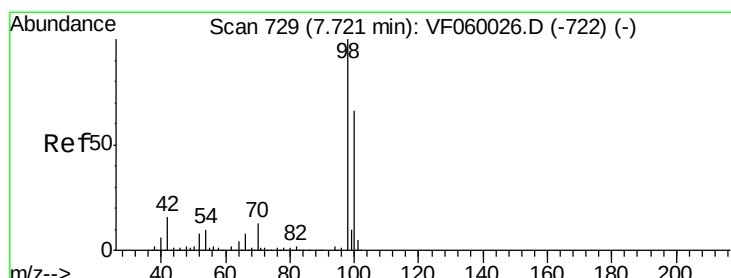
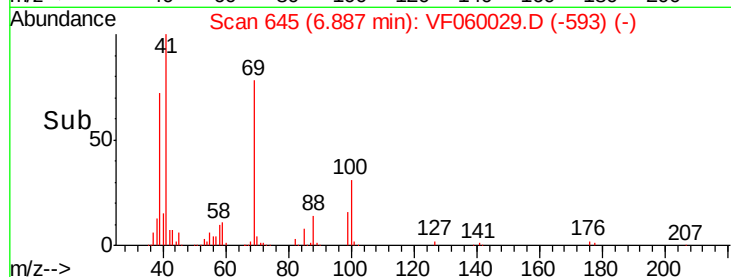
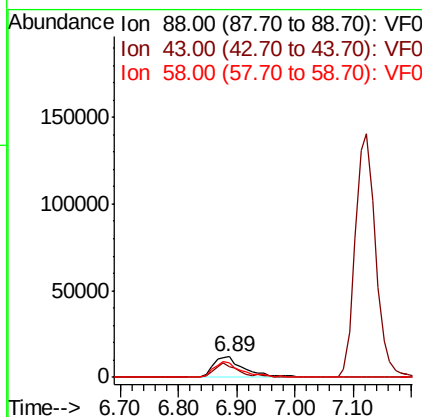
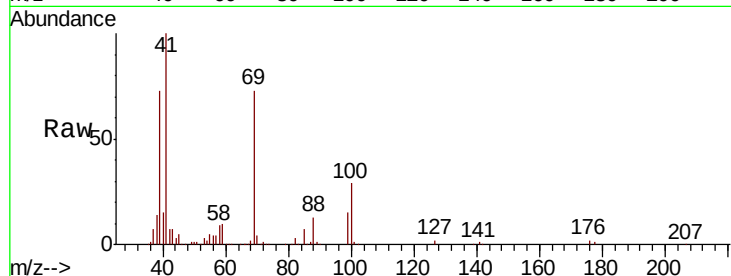
#49
1,4-Dioxane
Concen: 3279.73 ug/l
RT: 6.89 min Scan# 645
Delta R.T. 0.01 min
Lab File: VF060029.D
Acq: 21 Aug 2018 19:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	52.9		46.5	69.7
58	72.2		54.8	82.2

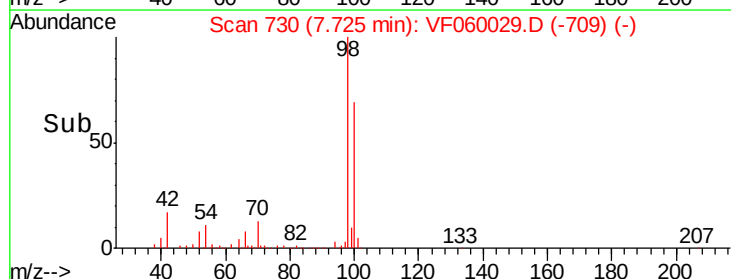
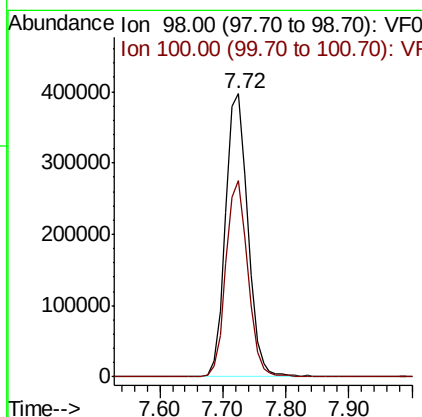
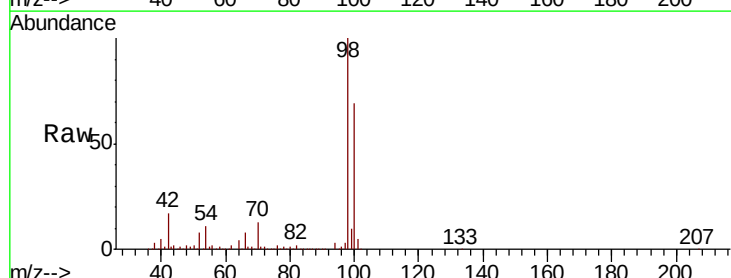
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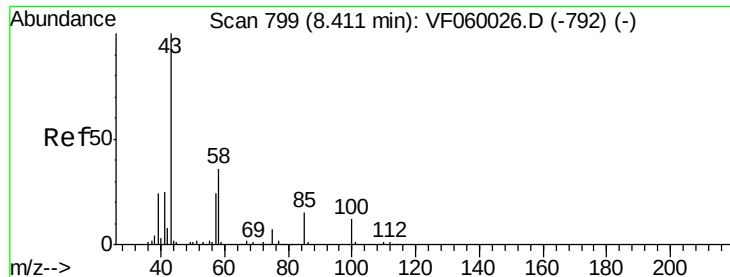
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#50
Toluene-d8
Concen: 130.16 ug/l
RT: 7.72 min Scan# 730
Delta R.T. 0.00 min
Lab File: VF060029.D
Acq: 21 Aug 2018 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	69.2		53.2	79.8





#51

4-Methyl-2-Pentanone

Concen: 589.51 ug/l

RT: 8.41 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1263253

Ion Ratio Lower Upper

43 100

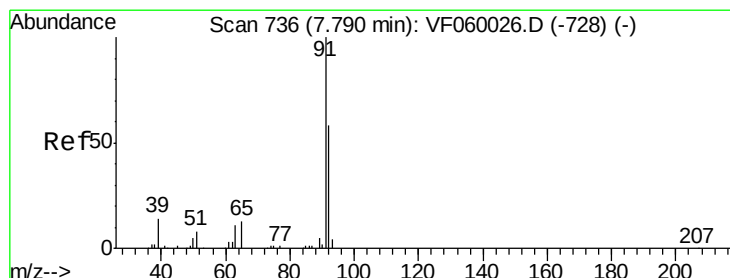
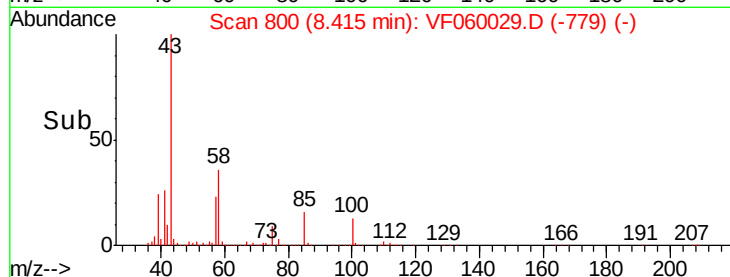
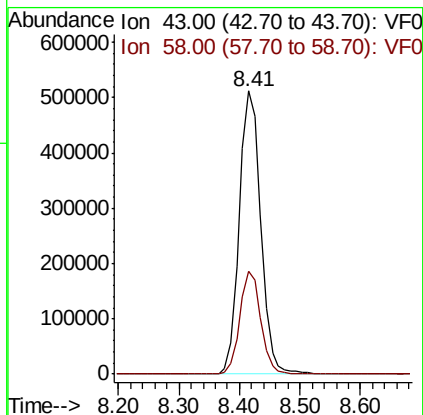
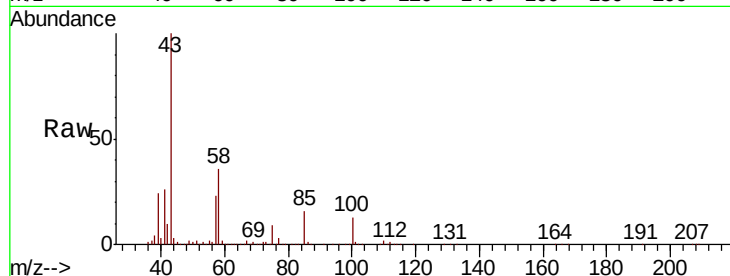
58 36.2 28.6 42.8

Manual Integrations

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#52

Toluene

Concen: 127.44 ug/l

RT: 7.79 min Scan# 737

Delta R.T. 0.00 min

Lab File: VF060029.D

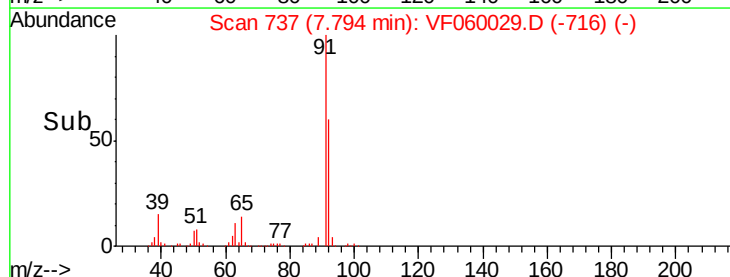
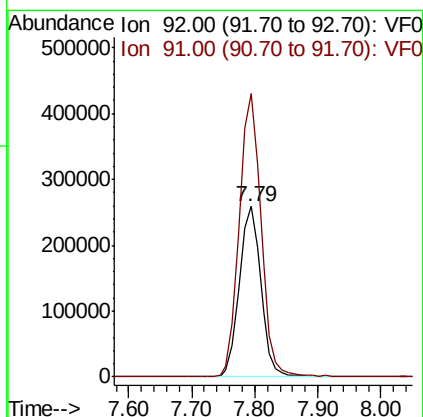
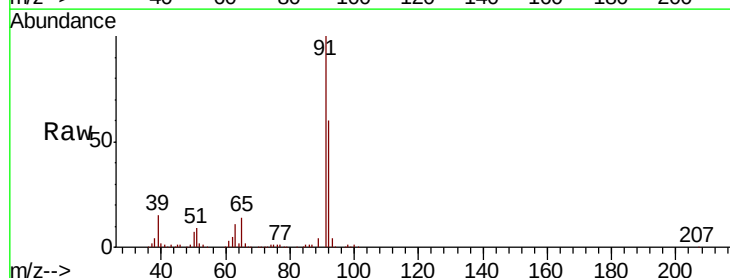
Acq: 21 Aug 2018 19:46

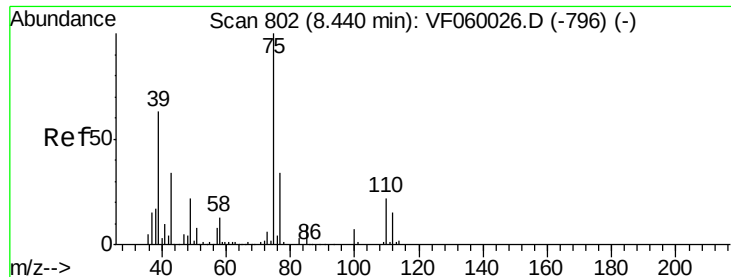
Tgt Ion: 92 Resp: 612469

Ion Ratio Lower Upper

92 100

91 166.0 137.7 206.5





#53

t-1,3-Dichloropropene

Concen: 113.61 ug/l

RT: 8.44 min Scan# 803

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 452297

Ion Ratio Lower Upper

75 100

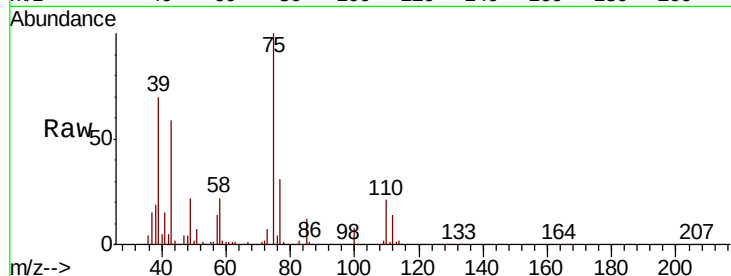
77 30.6 27.4 41.2

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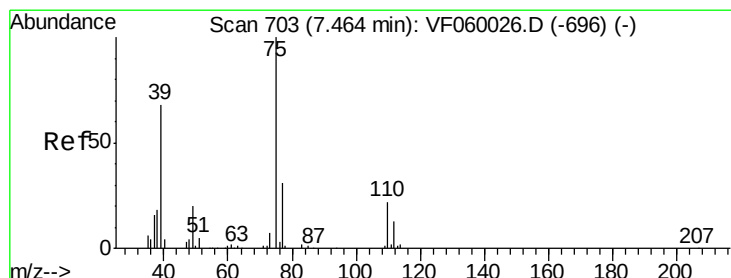
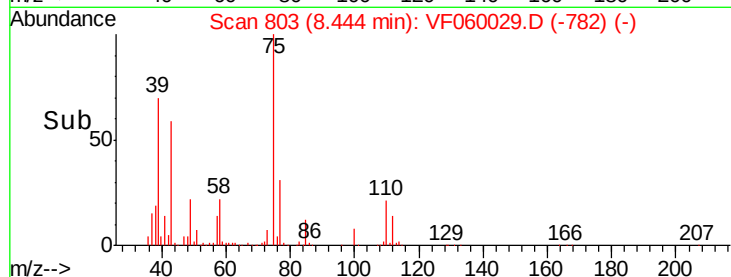
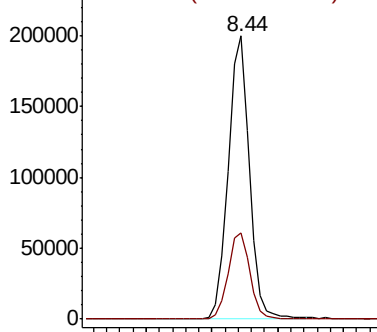
apatel

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 130.19 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

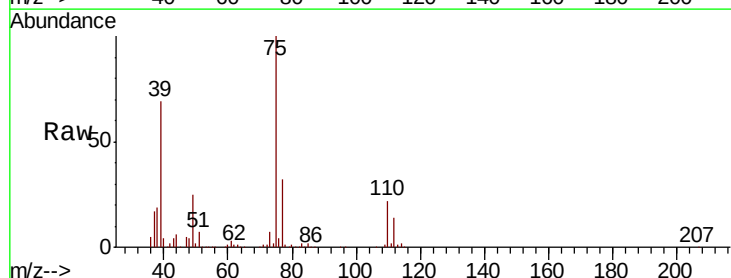
Tgt Ion: 75 Resp: 512230

Ion Ratio Lower Upper

75 100

77 32.4 24.6 37.0

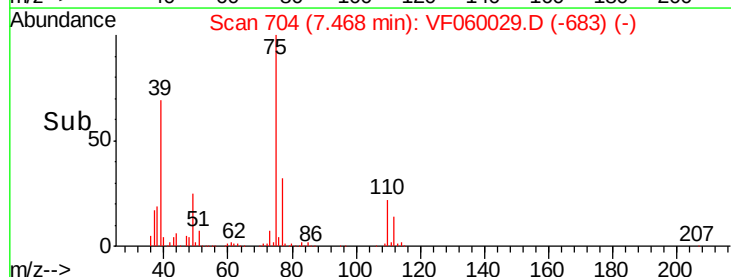
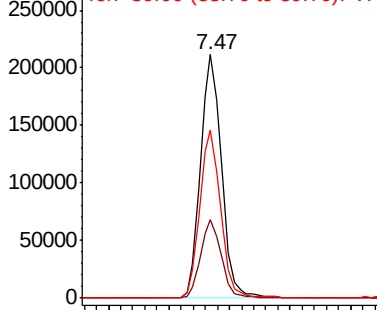
39 69.0 54.6 81.8

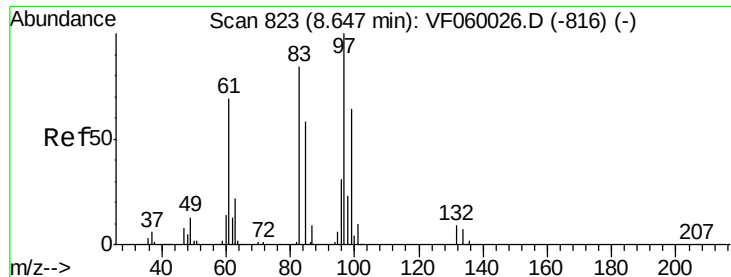


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 136.08 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

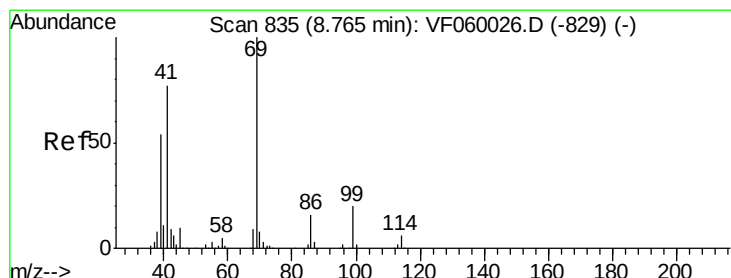
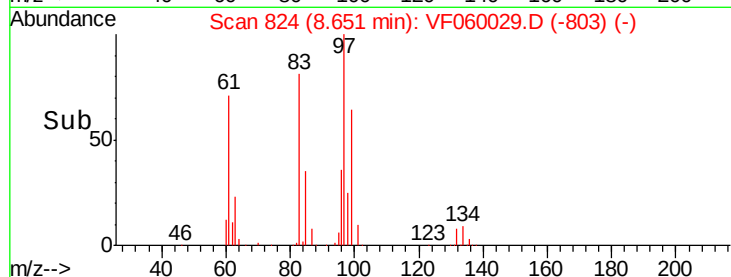
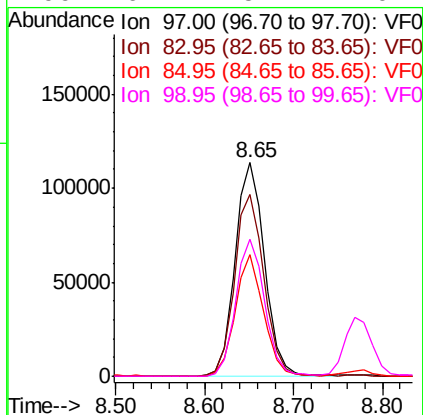
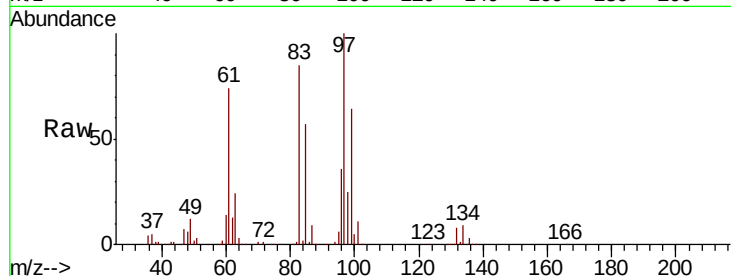
ClientSampleId :

VSTDIC150

Tot Ion:	97	Resp:	261428
Ion	Ratio	Lower	Upper
97	100		
83	84.8	67.4	101.2
85	56.9	46.2	69.2
99	64.2	51.1	76.7

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#56

Ethyl methacrylate

Concen: 146.12 ug/l

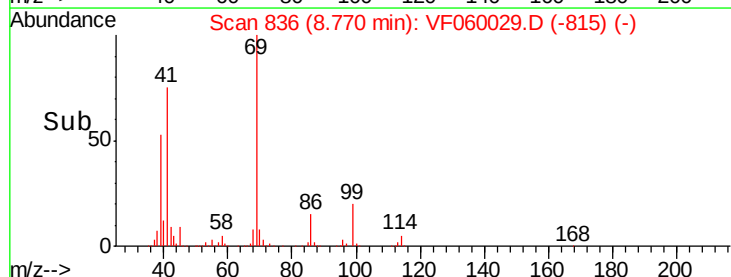
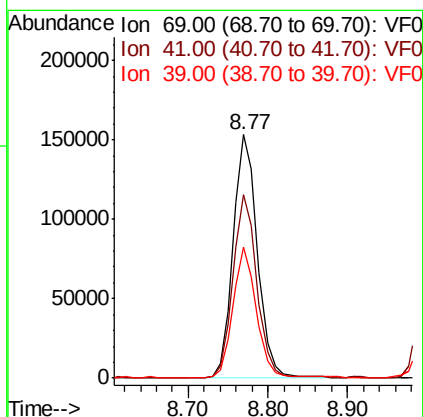
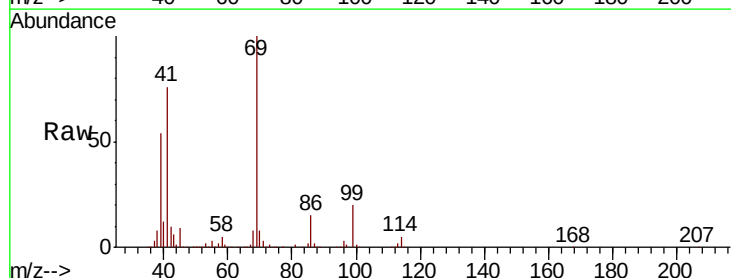
RT: 8.77 min Scan# 836

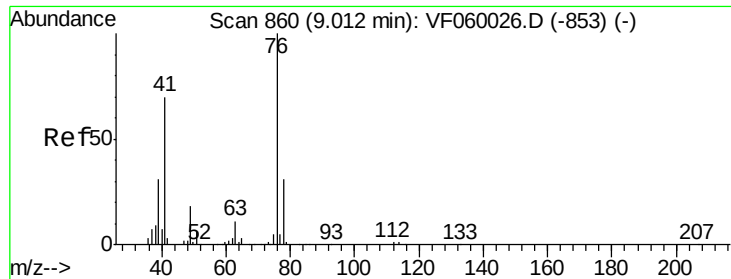
Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Tgt Ion:	69	Resp:	326841
Ion	Ratio	Lower	Upper
69	100		
41	75.6	61.6	92.4
39	53.9	43.9	65.9





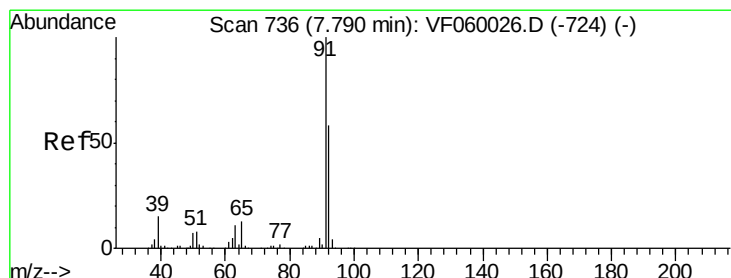
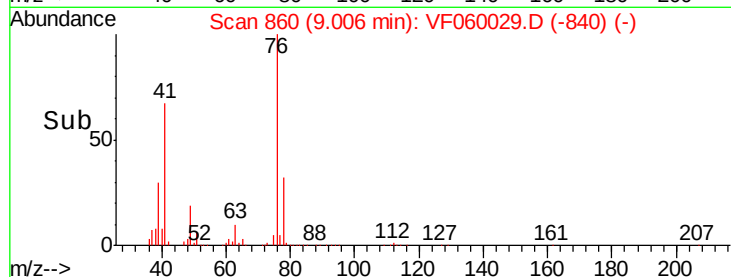
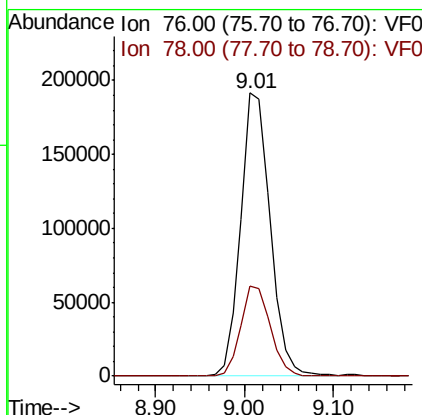
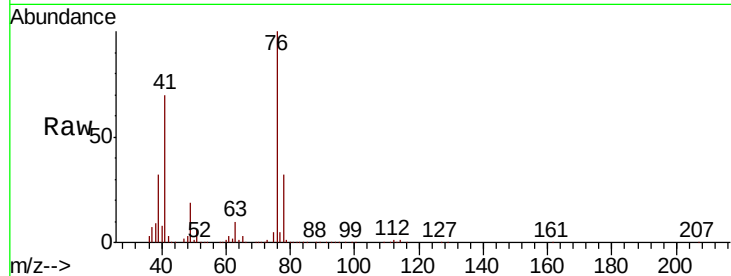
#57
 1,3-Dichloropropane
 Concen: 128.54 ug/l
 RT: 9.01 min Scan# 860
 Delta R.T. -0.01 min
 Lab File: VF060029.D
 Acq: 21 Aug 2018 19:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.2	37.8

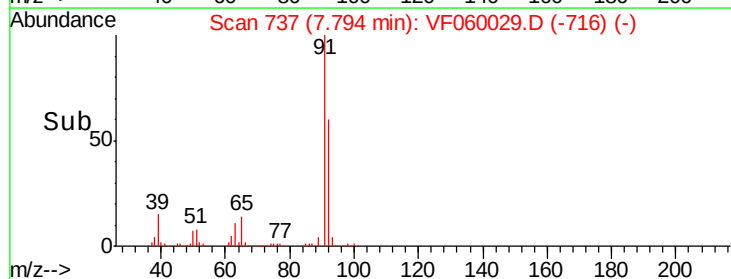
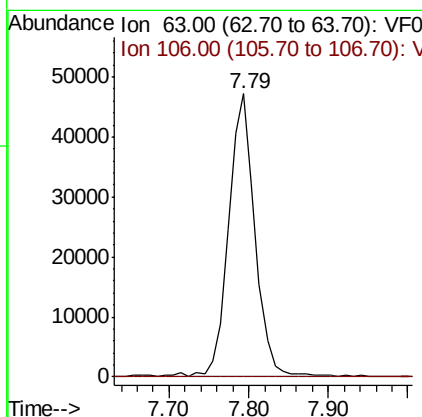
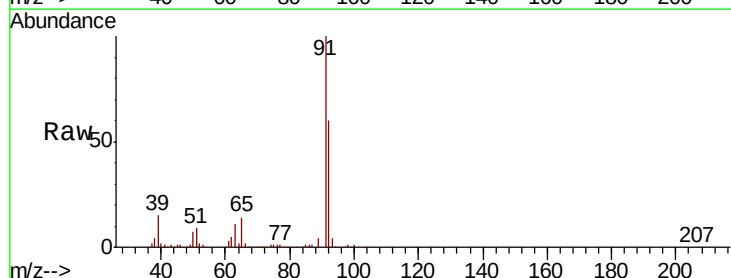
Manual Integrations
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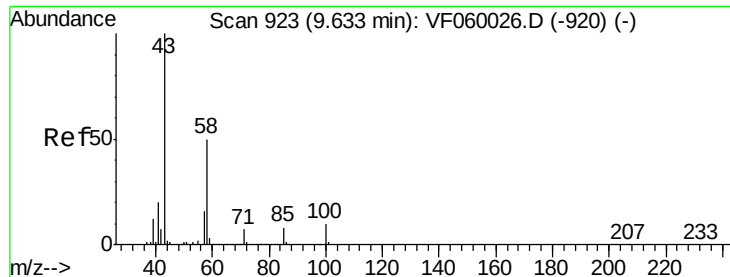
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 612.44 ug/l
 RT: 7.79 min Scan# 737
 Delta R.T. 0.00 min
 Lab File: VF060029.D
 Acq: 21 Aug 2018 19:46

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





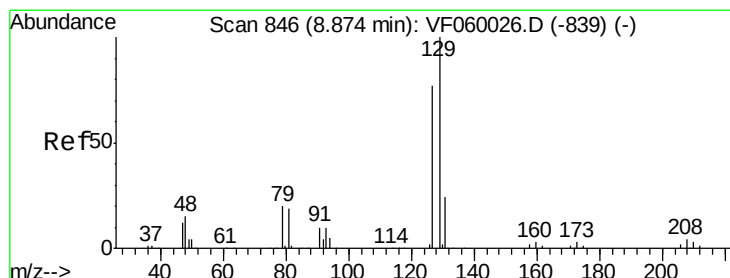
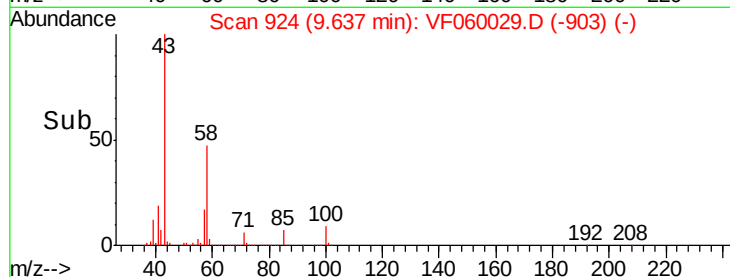
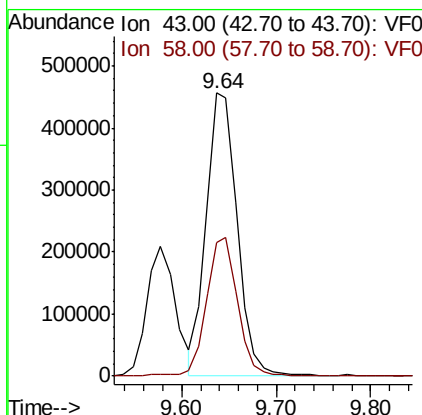
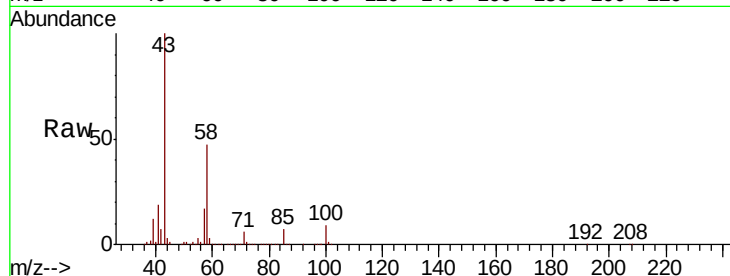
#59
2-Hexanone
Concen: 584.36 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF060029.D
Acq: 21 Aug 2018 19:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1035364
Ion Ratio Lower Upper
43 100
58 47.2 23.4 70.2

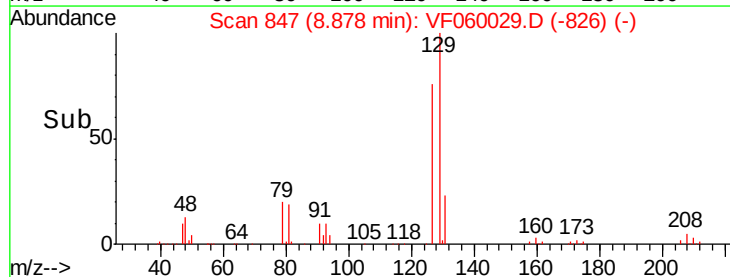
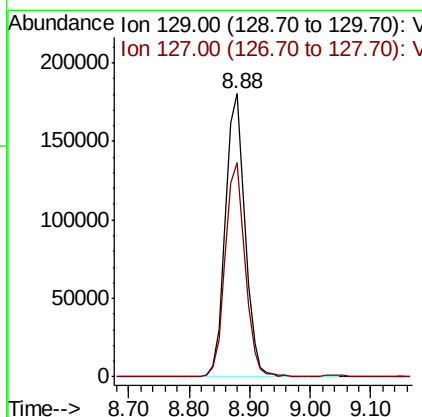
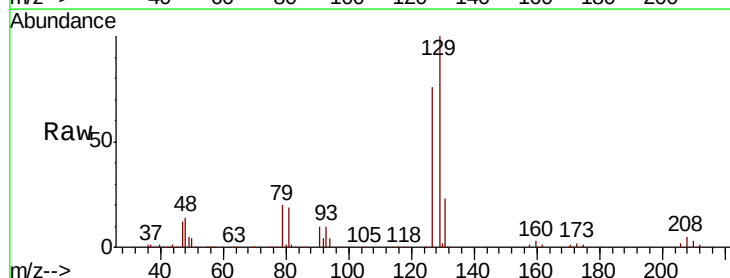
Manual Integrations
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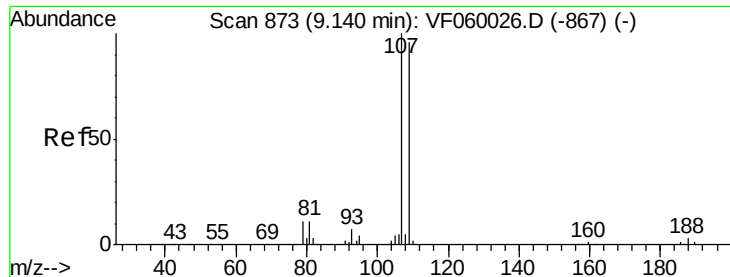
apatel
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#60
Dibromochloromethane
Concen: 121.32 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.00 min
Lab File: VF060029.D
Acq: 21 Aug 2018 19:46

Tgt Ion: 129 Resp: 410260
Ion Ratio Lower Upper
129 100
127 75.7 38.6 115.8





#61

1,2-Dibromoethane

Concen: 130.26 ug/l

RT: 9.14 min Scan# 874

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 307574

Ion Ratio Lower Upper

107 100

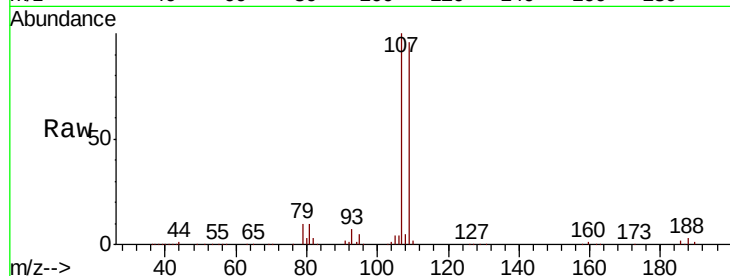
109 95.8 76.5 114.7

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

150000

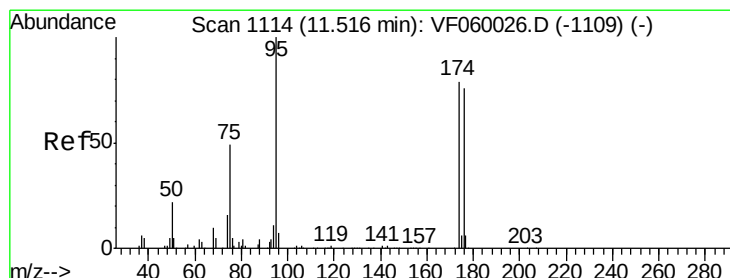
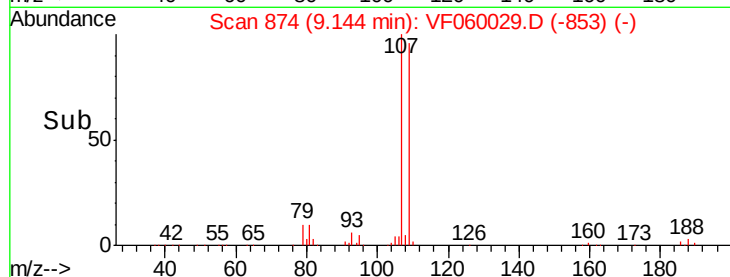
9.14

100000

50000

0

Time--> 9.00 9.10 9.20 9.30



#62

4-Bromofluorobenzene

Concen: 111.21 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

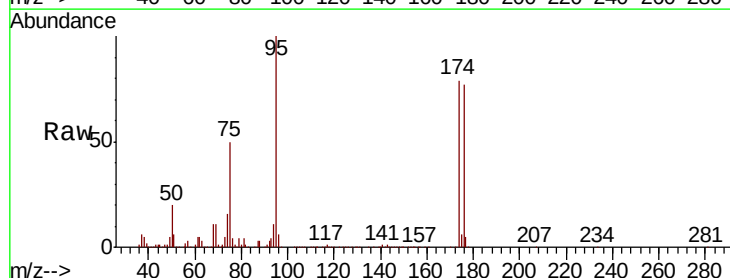
Tgt Ion: 95 Resp: 499460

Ion Ratio Lower Upper

95 100

174 79.5 0.0 158.4

176 77.0 0.0 153.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

400000

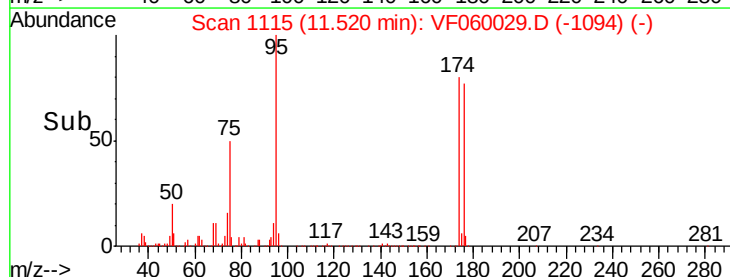
300000

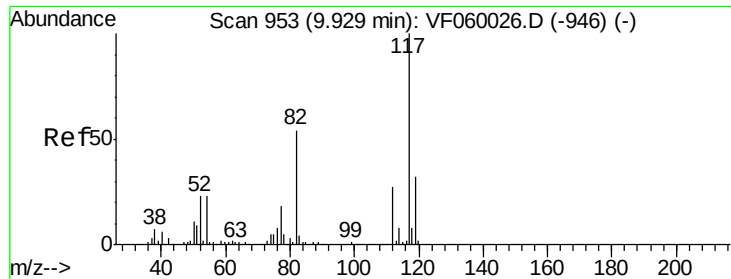
200000

100000

0

Time--> 11.40 11.50 11.60 11.70





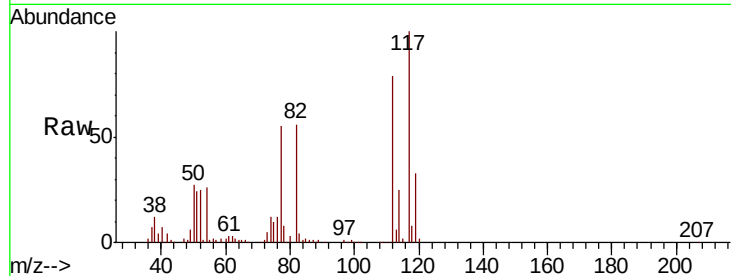
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF060029.D
Acq: 21 Aug 2018 19:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	320636		
82	56.0		43.6	65.4
119	33.5		25.6	38.4

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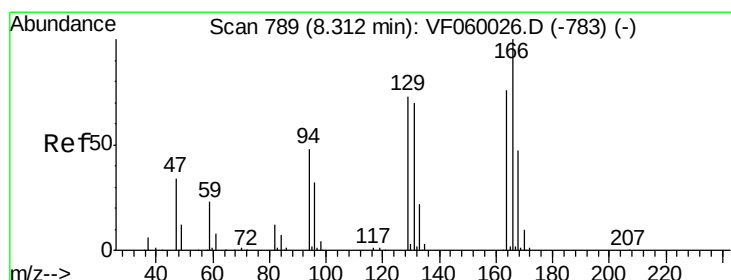
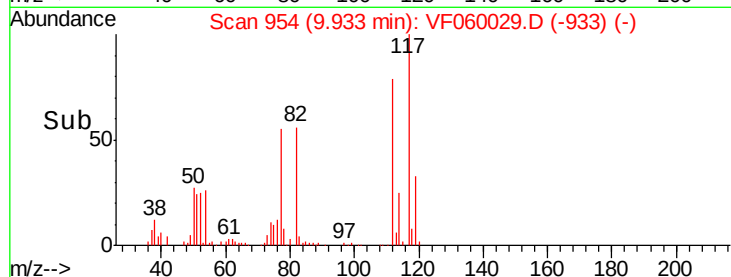
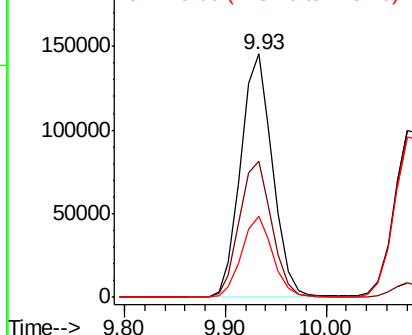


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 120.53 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.00 min
Lab File: VF060029.D
Acq: 21 Aug 2018 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	292830		
166	131.7		104.7	157.1
129	97.0		77.0	115.4
131	94.3		72.9	109.3

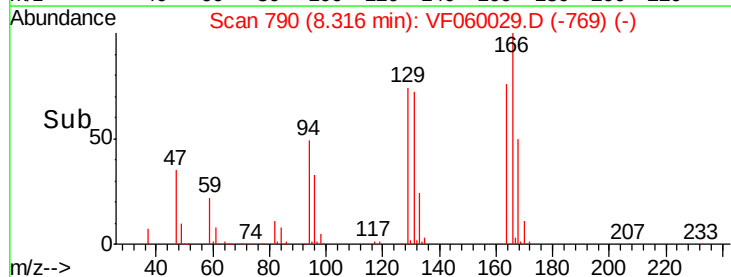
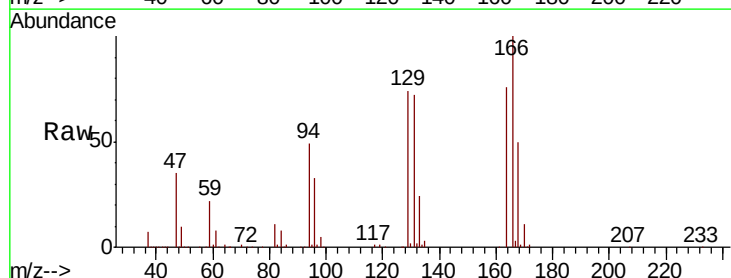
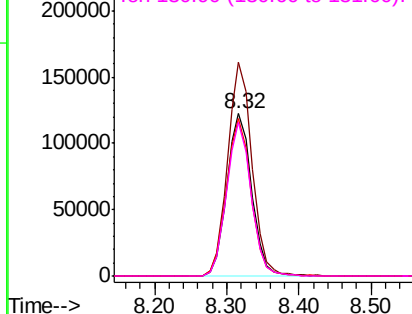
Abundance

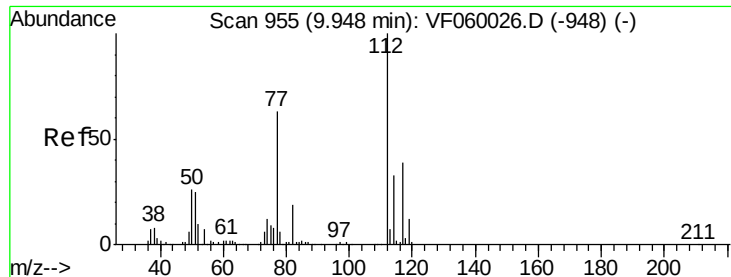
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 128.72 ug/l

RT: 9.95 min Scan# 956

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 812785

Ion Ratio Lower Upper

112 100

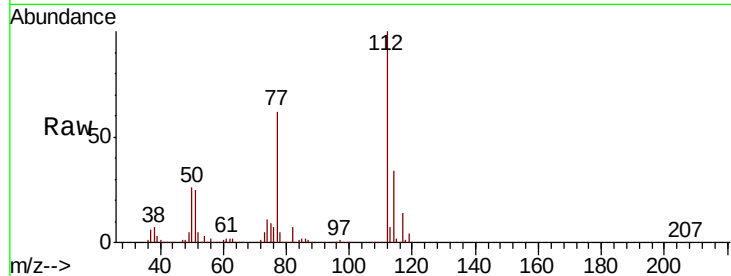
114 33.7 26.2 39.2

Manual Integrations

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

400000

300000

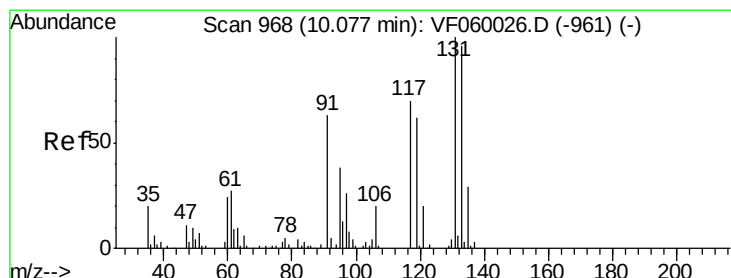
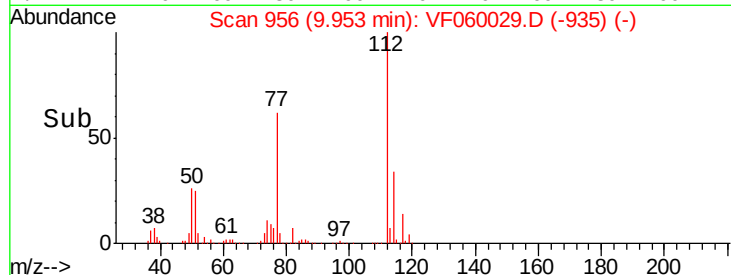
200000

100000

0

9.95

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 120.82 ug/l

RT: 10.08 min Scan# 969

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

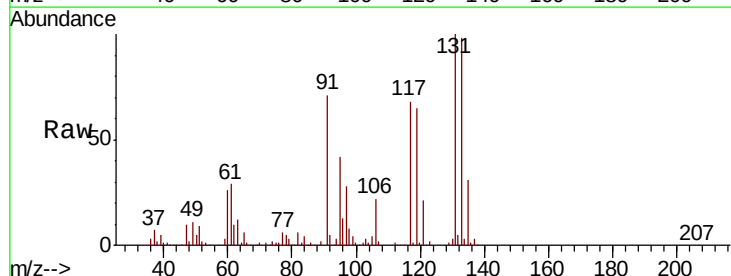
Tgt Ion:131 Resp: 341269

Ion Ratio Lower Upper

131 100

133 97.8 48.2 144.6

119 65.4 31.4 94.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

200000

150000

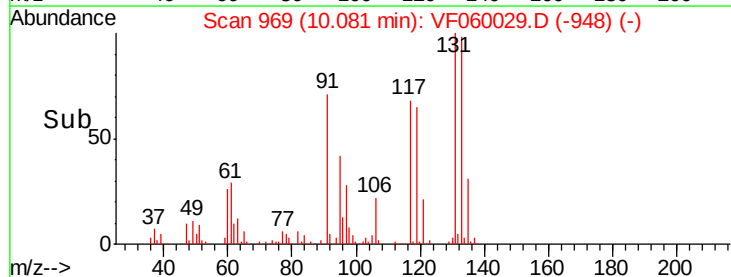
100000

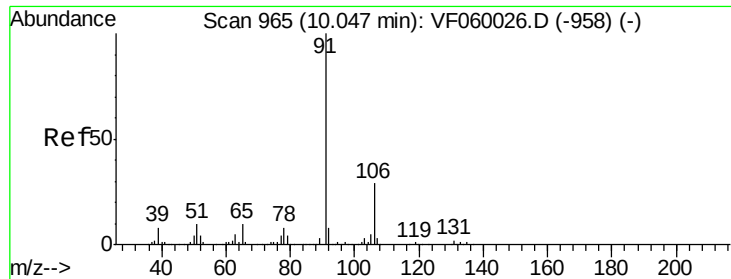
50000

0

10.08

Time-->





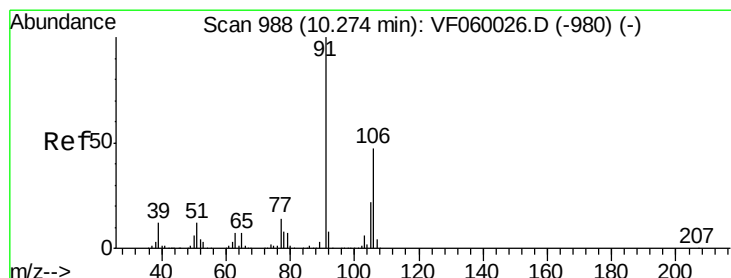
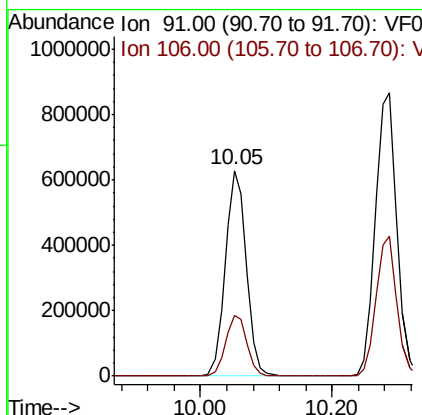
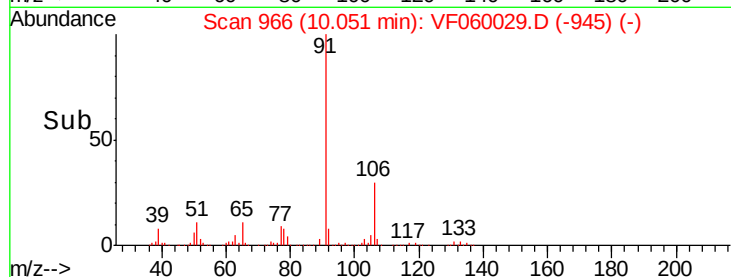
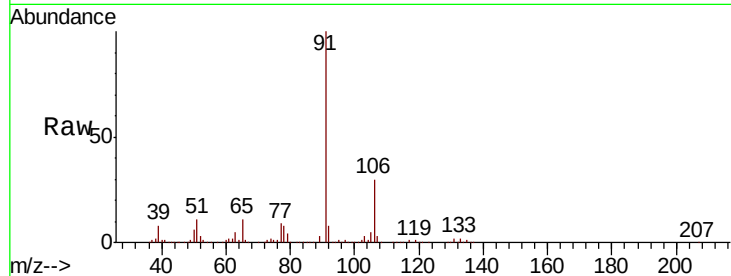
#67
Ethyl Benzene
Concen: 123.76 ug/l
RT: 10.05 min Scan# 966
Delta R.T. 0.00 min
Lab File: VF060029.D
Acq: 21 Aug 2018 19:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1406952
Ion Ratio Lower Upper
91 100
106 29.8 23.6 35.4

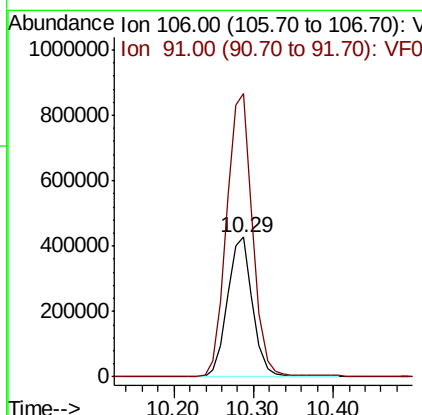
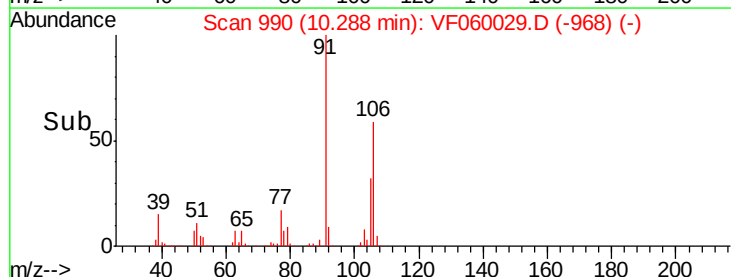
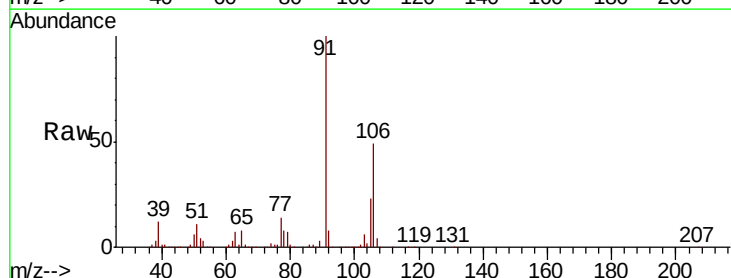
Manual Integrations
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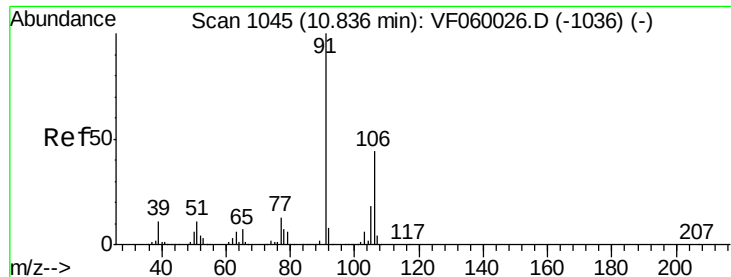
apatel
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#68
m/p-Xylenes
Concen: 235.74 ug/l
RT: 10.29 min Scan# 990
Delta R.T. 0.01 min
Lab File: VF060029.D
Acq: 21 Aug 2018 19:46

Tgt Ion: 106 Resp: 944346
Ion Ratio Lower Upper
106 100
91 202.4 171.8 257.8





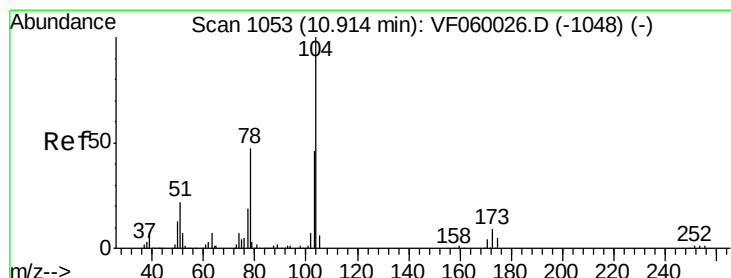
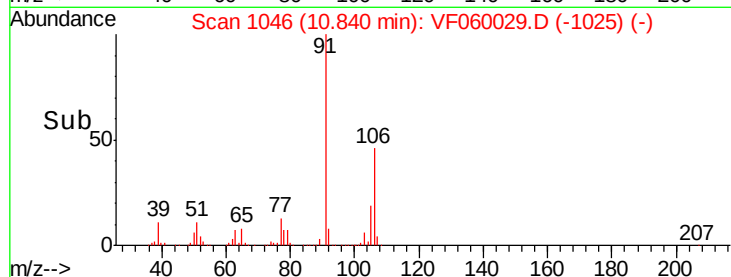
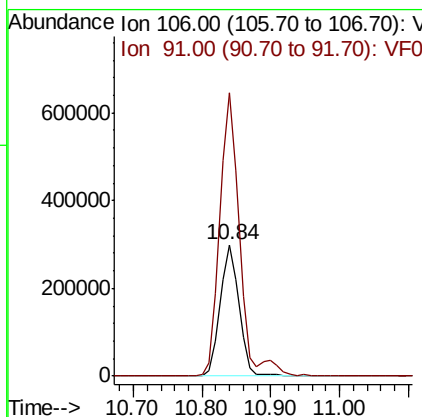
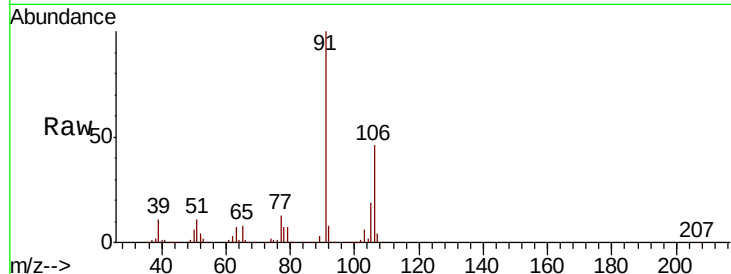
#69
o-Xylene
Concen: 137.89 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VF060029.D
Acq: 21 Aug 2018 19:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	215.4	112.5	337.5		

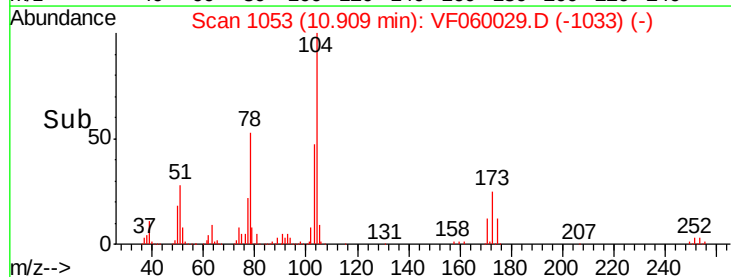
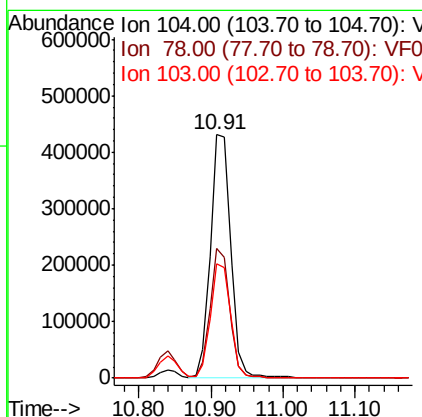
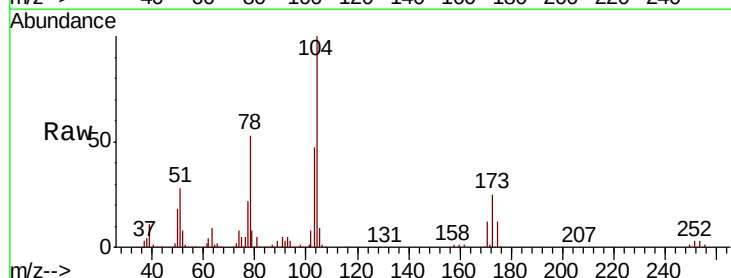
Manual Integrations
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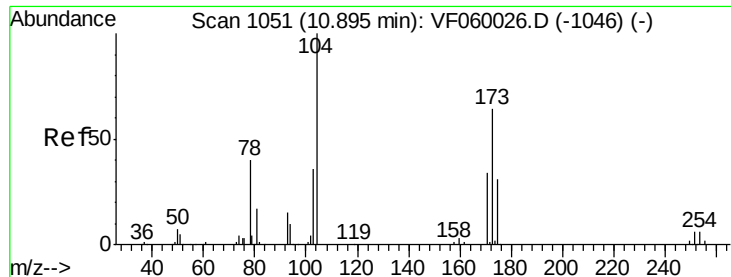
apatel
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#70
Styrene
Concen: 127.15 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VF060029.D
Acq: 21 Aug 2018 19:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	53.1	38.0	57.0		
103	47.2	37.6	56.4		





#71

Bromoform

Concen: 119.89 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 249937

Ion Ratio Lower Upper

173 100

175 48.6 24.7 74.1

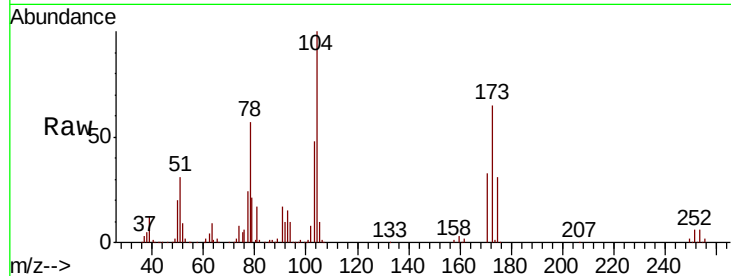
254 0.0 0.0 0.0

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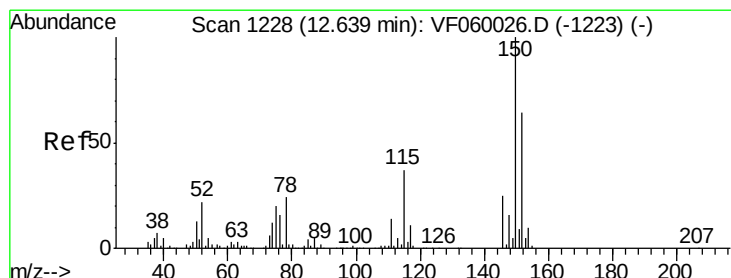
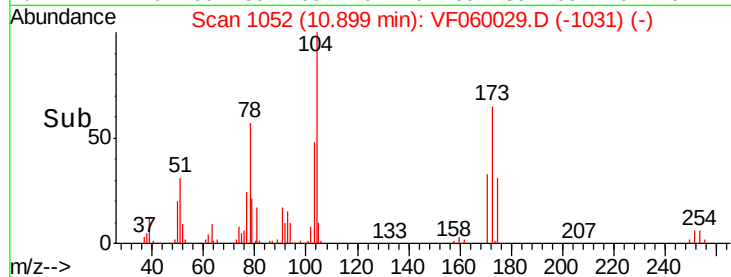
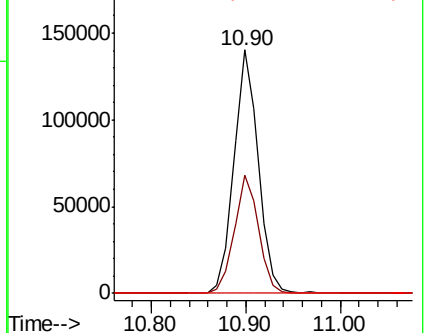
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Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.64 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

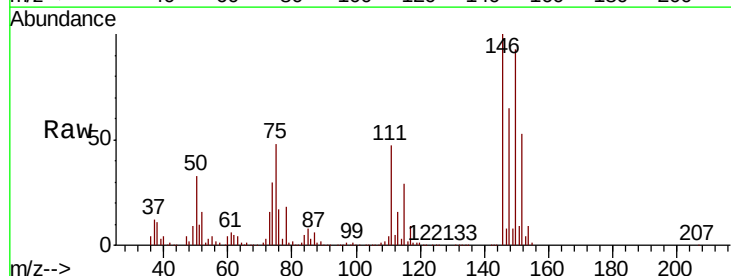
Tgt Ion:152 Resp: 194637

Ion Ratio Lower Upper

152 100

115 54.7 28.6 85.9

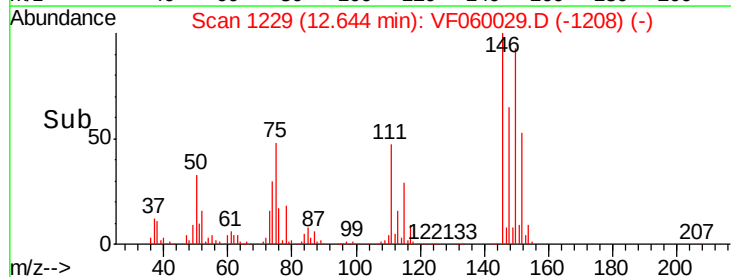
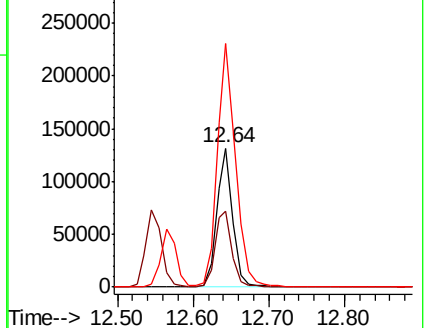
150 175.6 0.0 312.0

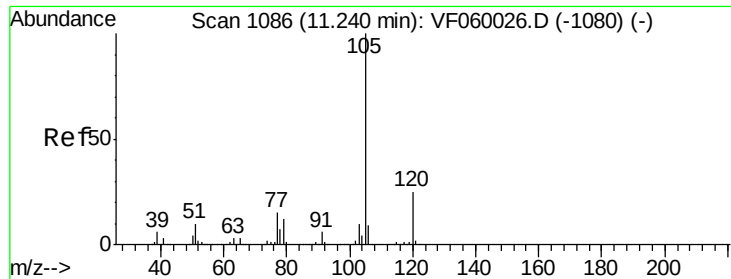


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 129.86 ug/l

RT: 11.23 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1521068

Ion Ratio Lower Upper

105 100

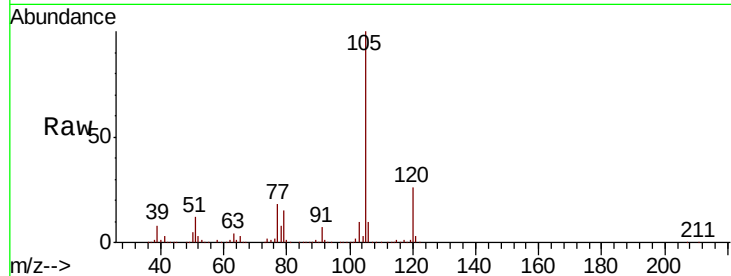
120 26.0 12.7 38.0

Manual Integrations

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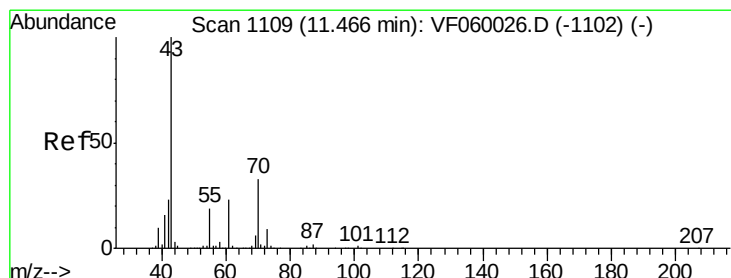
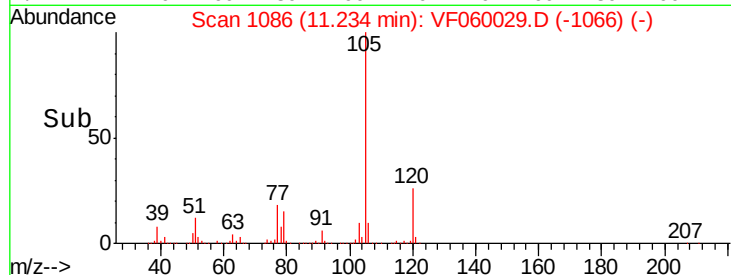
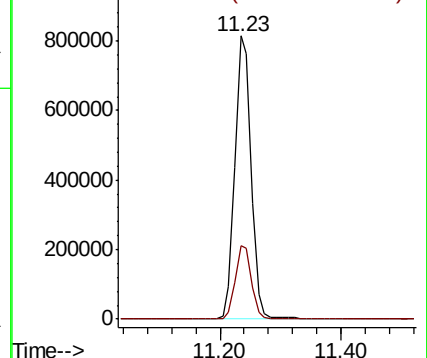
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 159.30 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Tgt Ion: 43 Resp: 538312

Ion Ratio Lower Upper

43 100

70 32.9 26.4 39.6

55 20.9 15.0 22.4

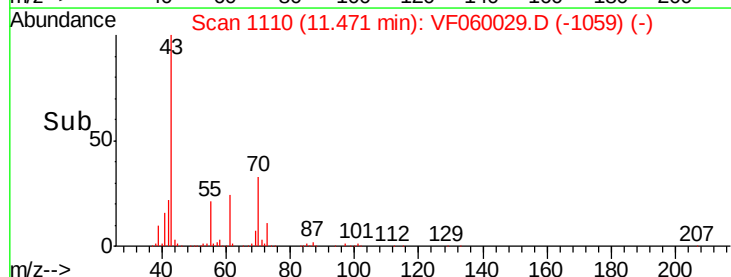
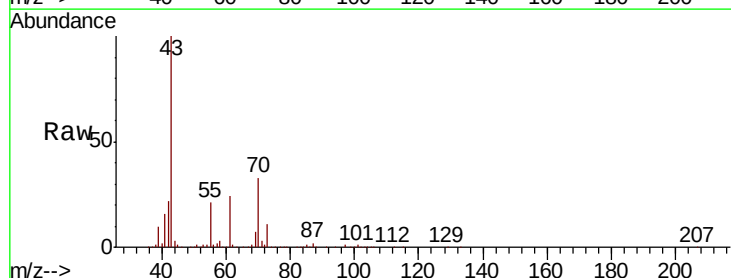
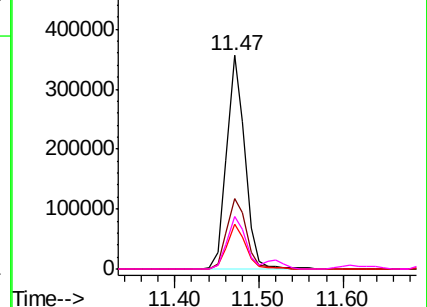
61 24.5 18.4 27.6

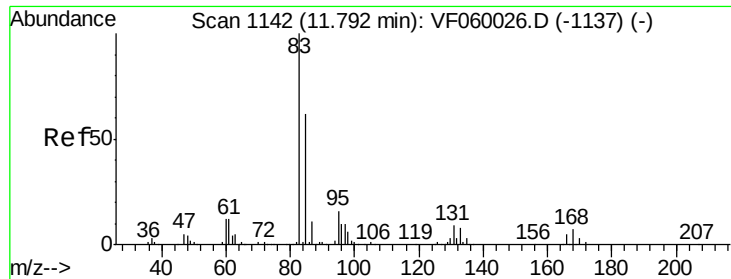
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 150.75 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

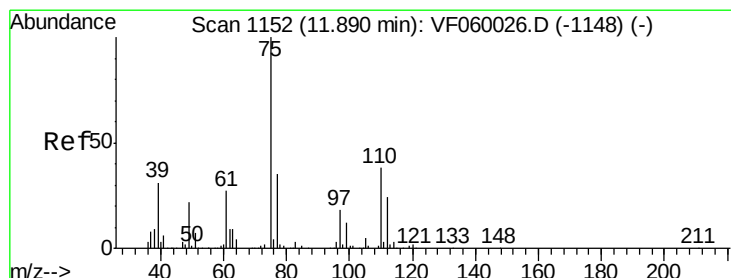
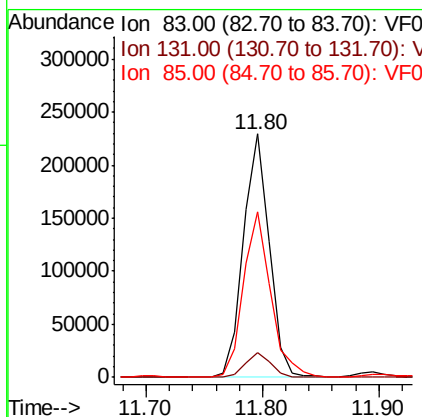
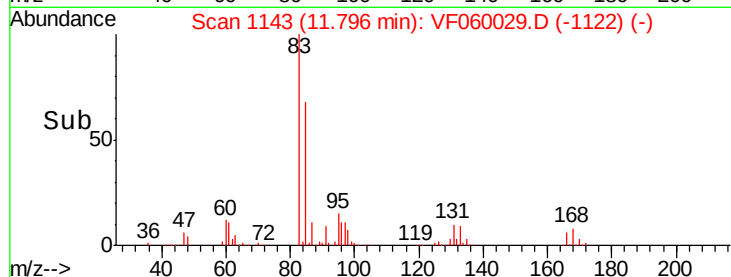
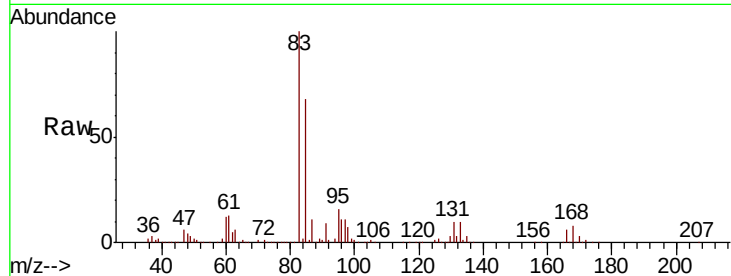
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	354986
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.5	13.7
85	68.2	31.3	93.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 130.13 ug/l

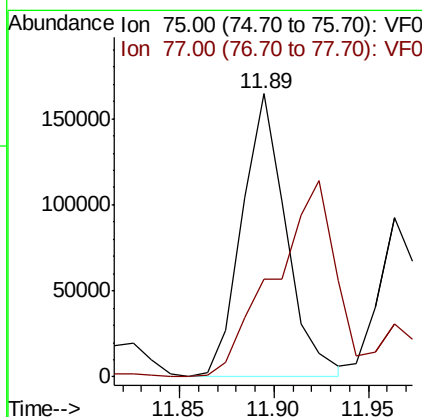
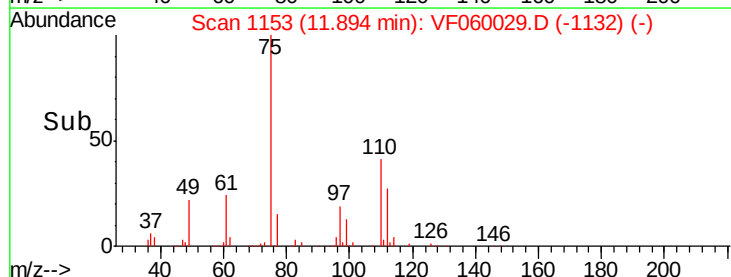
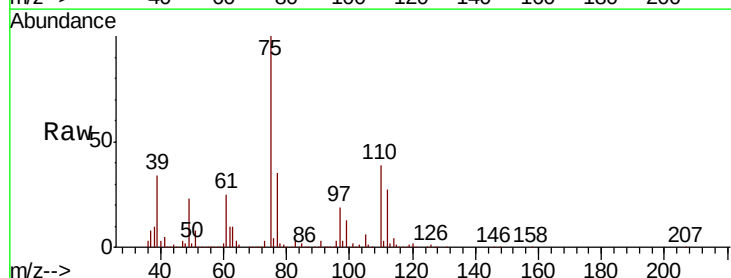
RT: 11.89 min Scan# 1153

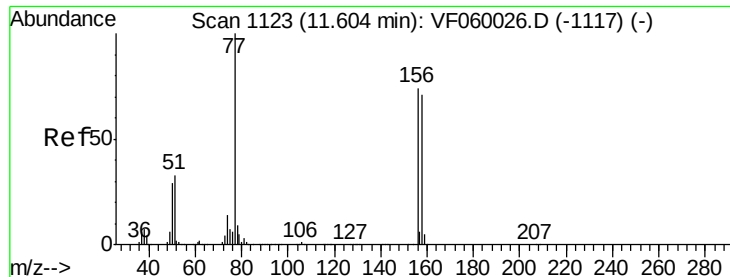
Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Tgt Ion:	75	Resp:	263831
Ion Ratio	Lower	Upper	
75	100		
77	34.6	17.3	52.0





#77

Bromobenzene

Concen: 128.39 ug/l

RT: 11.61 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

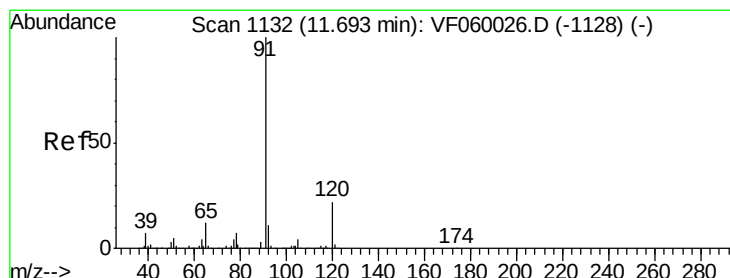
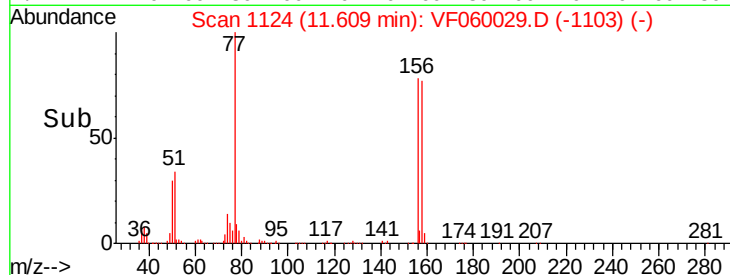
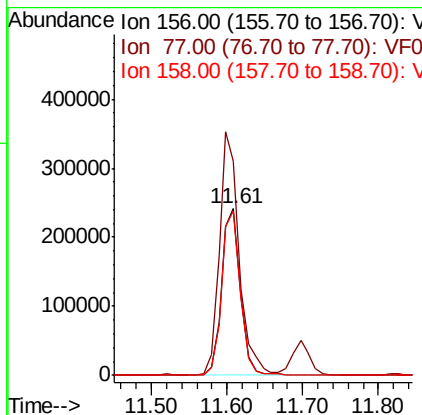
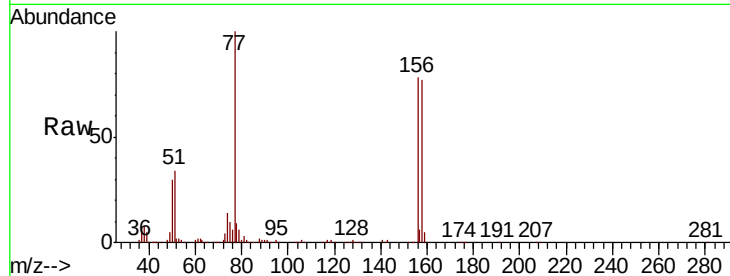
ClientSampleId :

VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	128.3	68.0	204.0	
158	98.7	48.4	145.3	

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#78

n-propylbenzene

Concen: 121.92 ug/l

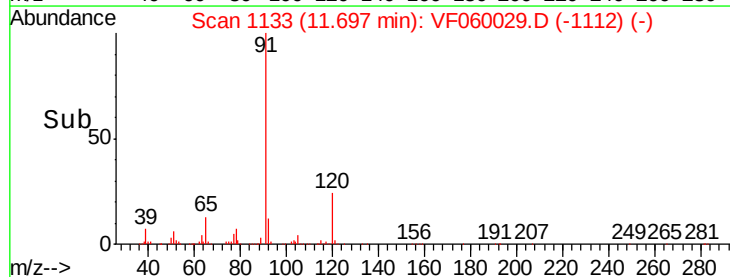
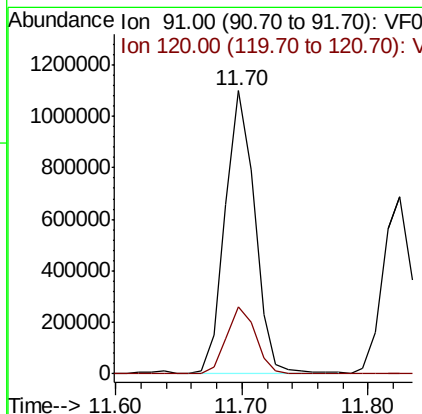
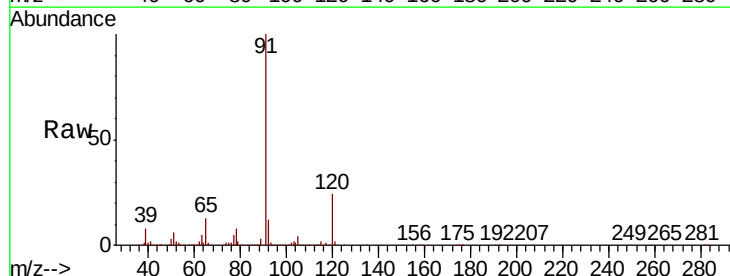
RT: 11.70 min Scan# 1133

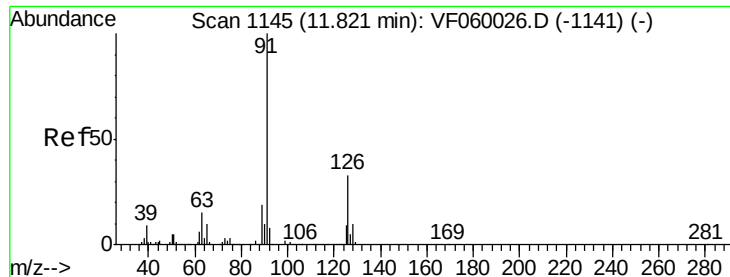
Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.7	10.9	32.7	





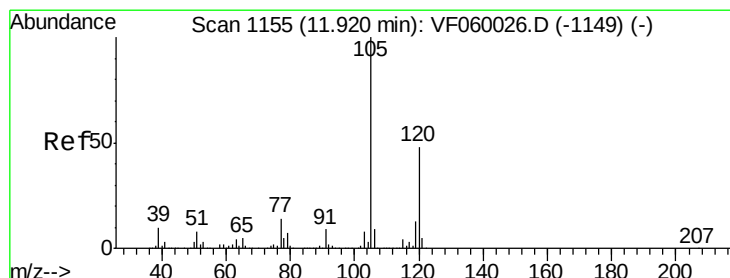
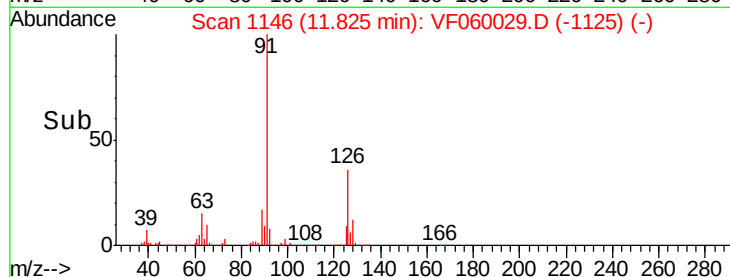
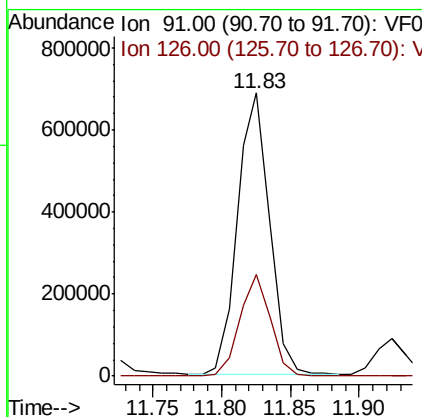
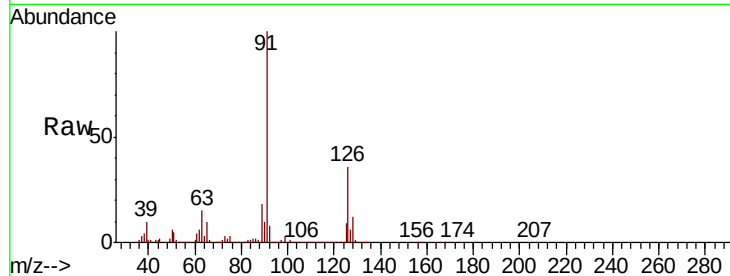
#79
 2-Chlorotoluene
 Concen: 126.08 ug/l
 RT: 11.83 min Scan# 1146
 Delta R.T. 0.00 min
 Lab File: VF060029.D
 Acq: 21 Aug 2018 19:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion: 91 Resp: 1102303
 Ion Ratio Lower Upper
 91 100
 126 36.0 16.6 49.7

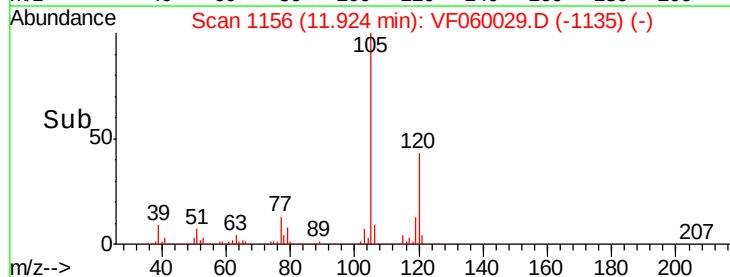
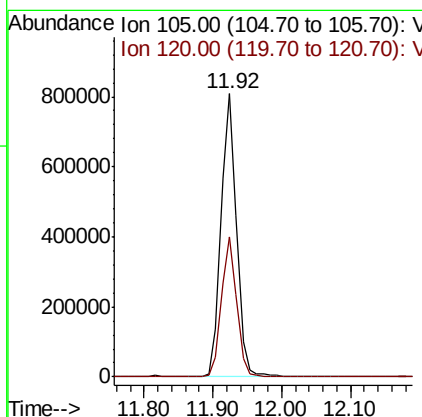
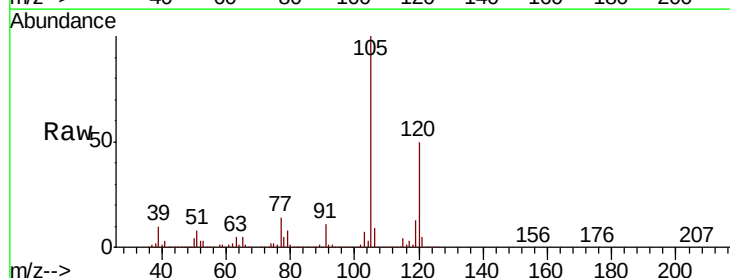
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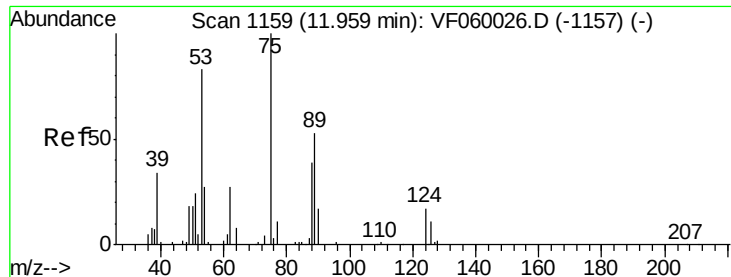
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#80
 1,3,5-Trimethylbenzene
 Concen: 120.46 ug/l
 RT: 11.92 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: VF060029.D
 Acq: 21 Aug 2018 19:46

Tgt Ion: 105 Resp: 1266409
 Ion Ratio Lower Upper
 105 100
 120 49.7 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 160.28 ug/l m

RT: 11.96 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

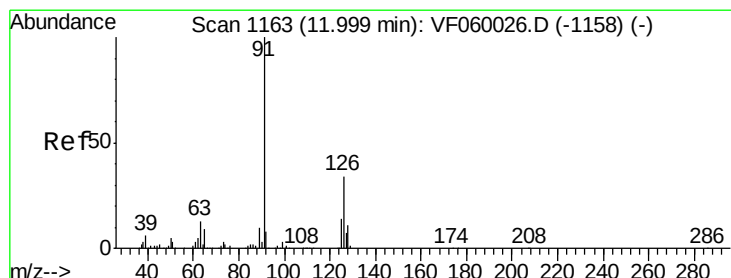
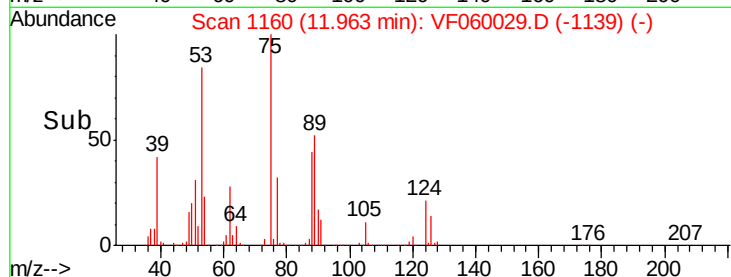
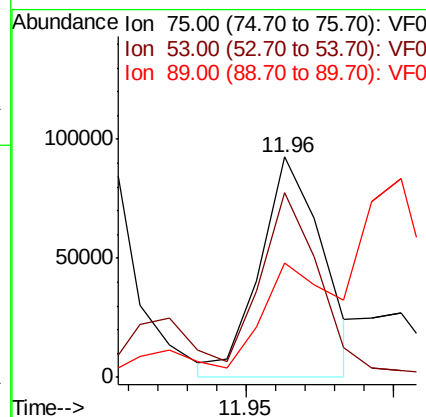
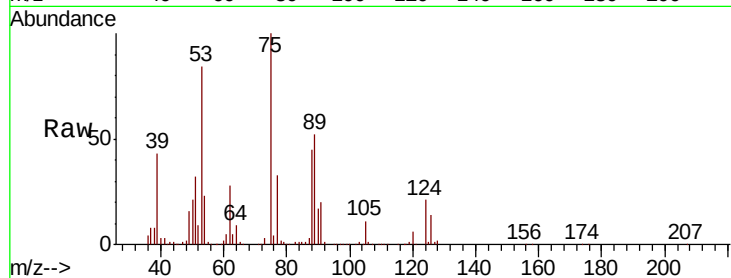
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	137104
Ion Ratio	Lower	Upper	
75	100		
53	83.9	66.2	99.4
89	51.9	42.8	64.2

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#82

4-Chlorotoluene

Concen: 124.35 ug/l

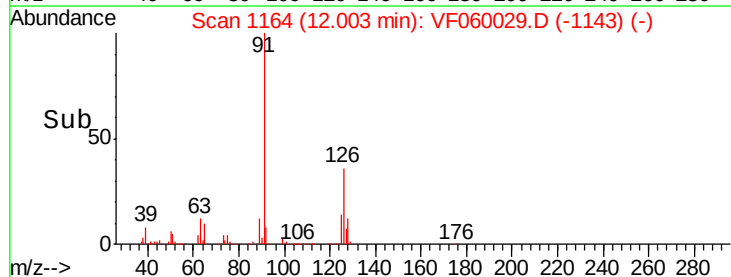
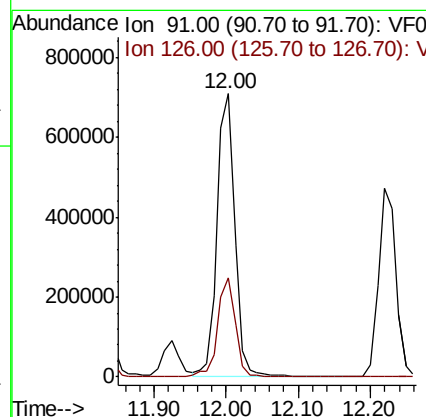
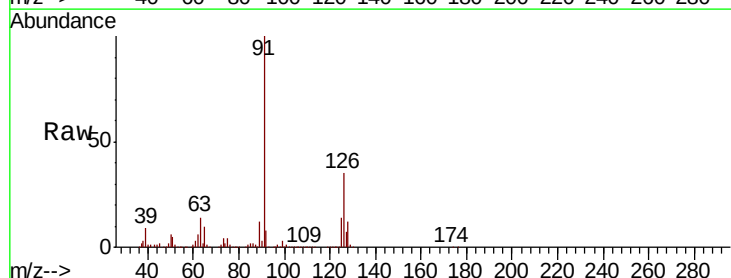
RT: 12.00 min Scan# 1164

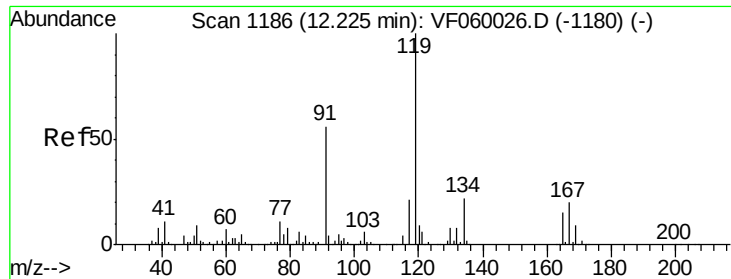
Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Tgt Ion:	91	Resp:	1189680
Ion Ratio	Lower	Upper	
91	100		
126	35.2	17.0	50.9





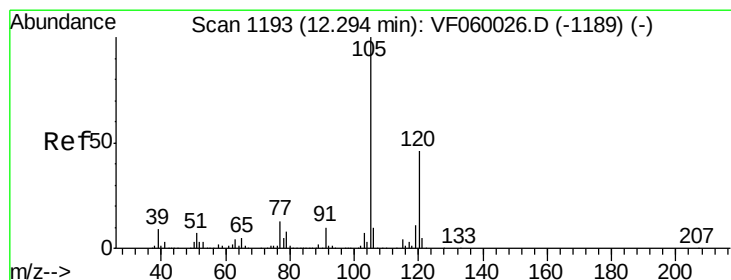
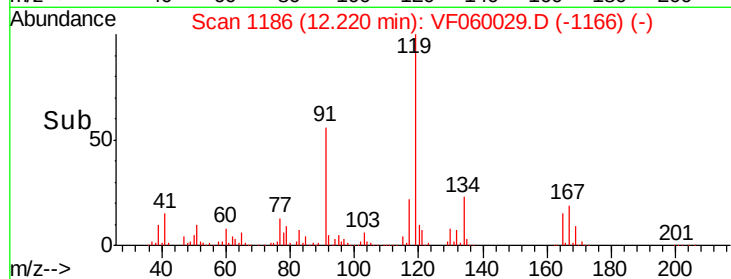
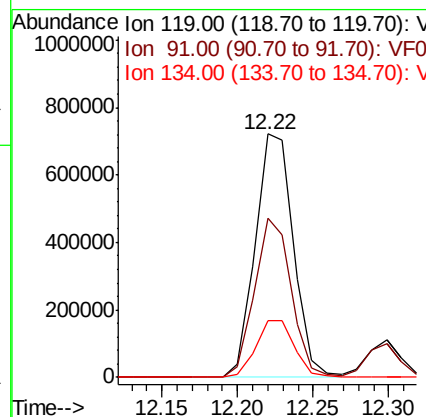
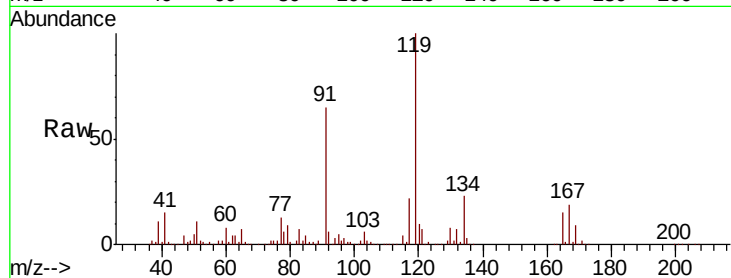
#83
 tert-Butylbenzene
 Concen: 124.11 ug/l
 RT: 12.22 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: VF060029.D
 Acq: 21 Aug 2018 19:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 1275825
 Ion Ratio Lower Upper
 119 100
 91 65.3 28.1 84.3
 134 23.1 11.1 33.3

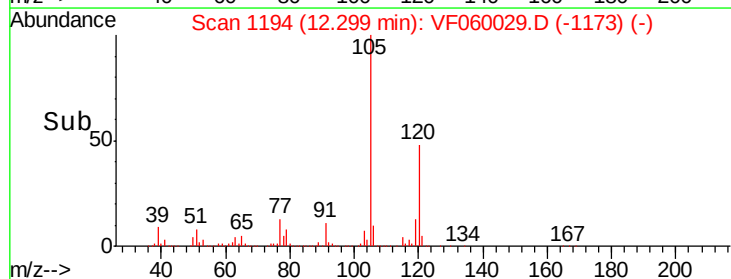
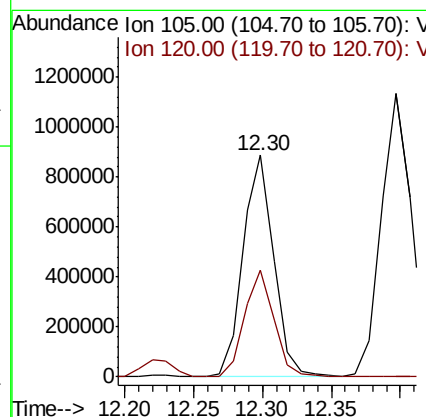
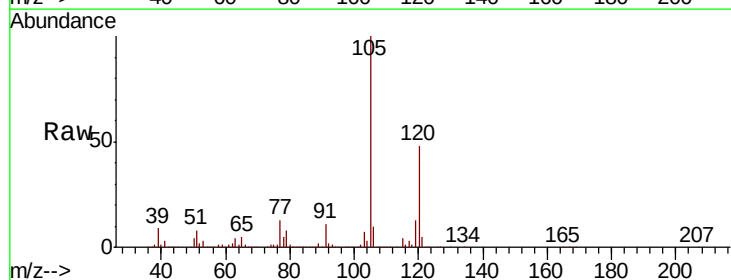
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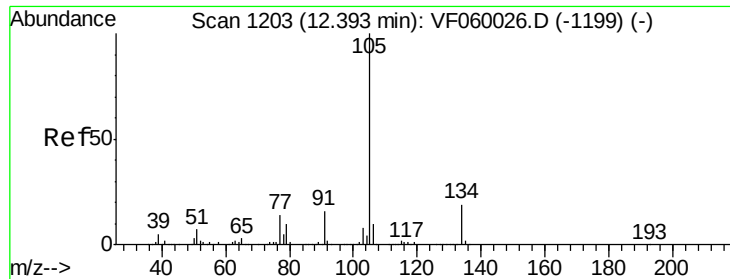
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#84
 1,2,4-Trimethylbenzene
 Concen: 124.74 ug/l
 RT: 12.30 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VF060029.D
 Acq: 21 Aug 2018 19:46

Tgt Ion:105 Resp: 1378546
 Ion Ratio Lower Upper
 105 100
 120 48.2 23.3 69.8





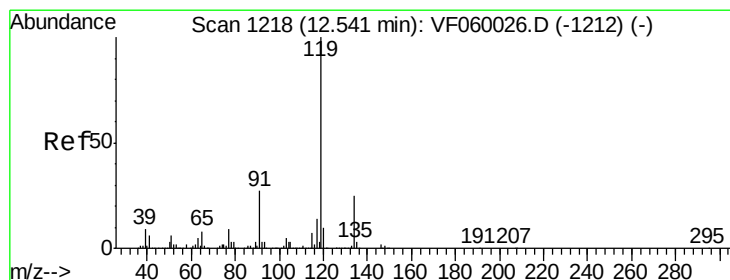
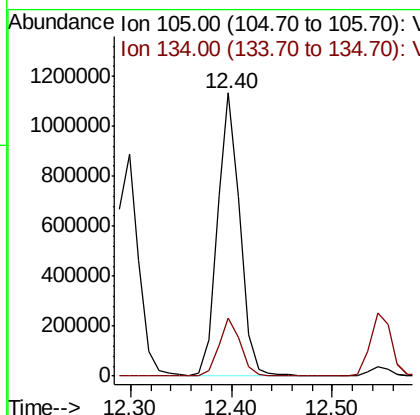
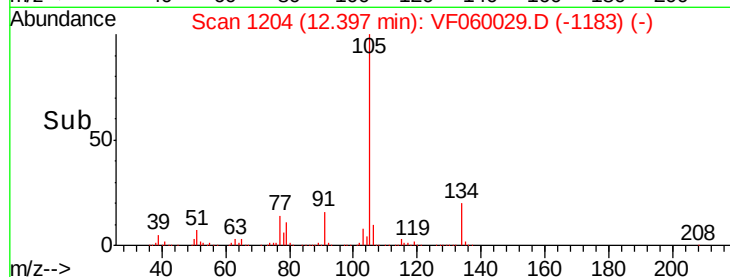
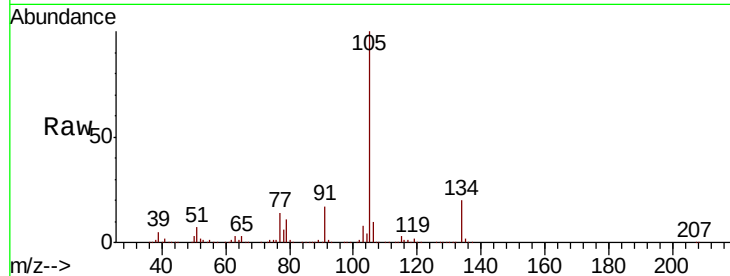
#85
 sec-Butylbenzene
 Concen: 127.06 ug/l
 RT: 12.40 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: VF060029.D
 Acq: 21 Aug 2018 19:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 1743180
 Ion Ratio Lower Upper
 105 100
 134 20.4 9.3 27.9

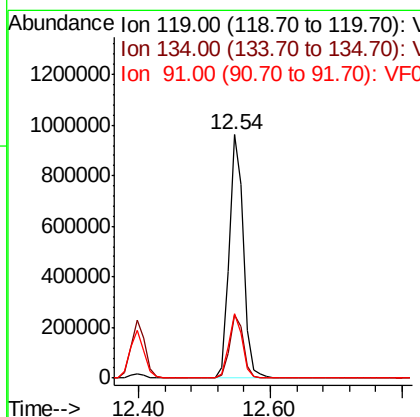
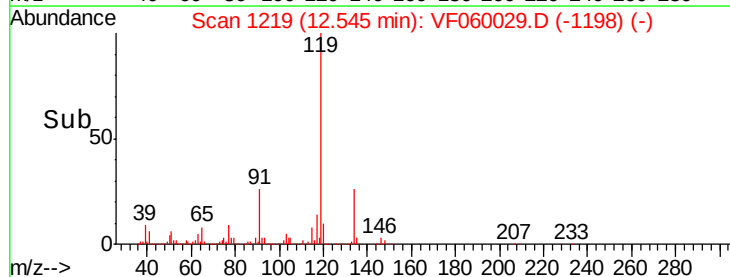
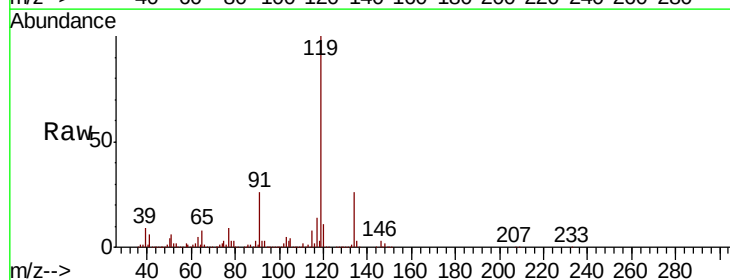
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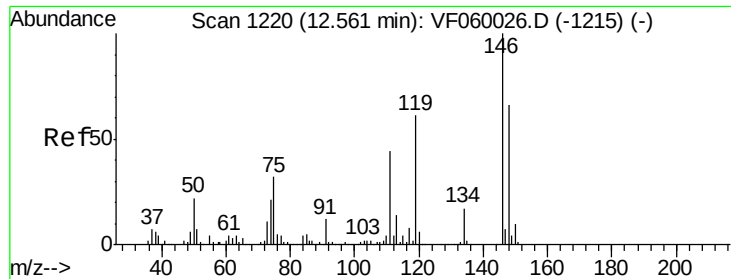
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#86
 p-Isopropyltoluene
 Concen: 119.69 ug/l
 RT: 12.54 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF060029.D
 Acq: 21 Aug 2018 19:46

Tgt Ion:119 Resp: 1452030
 Ion Ratio Lower Upper
 119 100
 134 26.1 12.4 37.2
 91 26.4 13.5 40.4





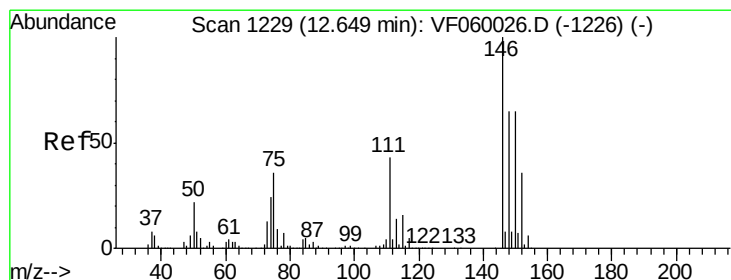
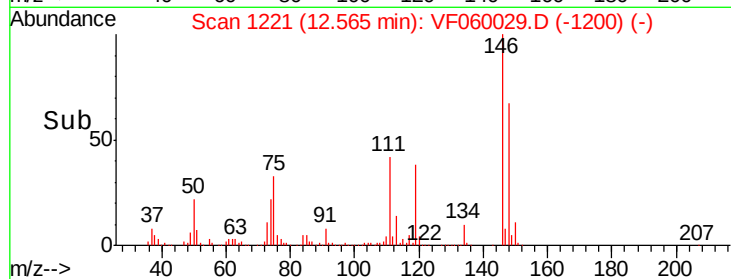
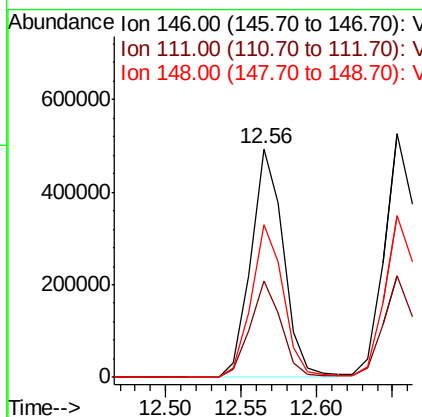
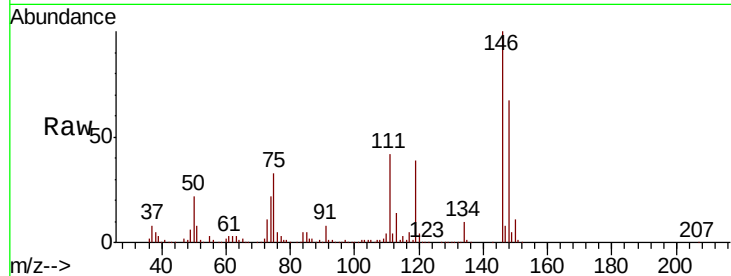
#87
 1,3-Dichlorobenzene
 Concen: 119.71 ug/l
 RT: 12.56 min Scan# 1221
 Delta R.T. 0.00 min
 Lab File: VF060029.D
 Acq: 21 Aug 2018 19:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.9	65.5
148	66.9	32.9	98.7

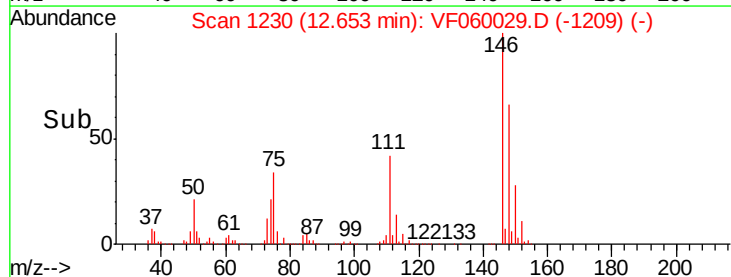
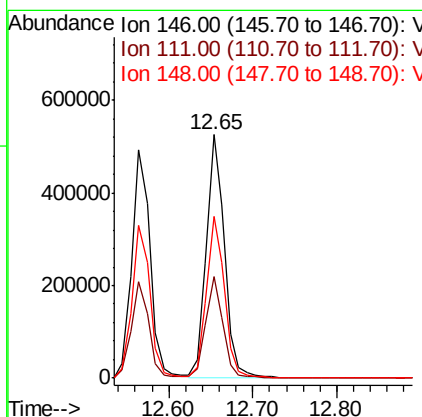
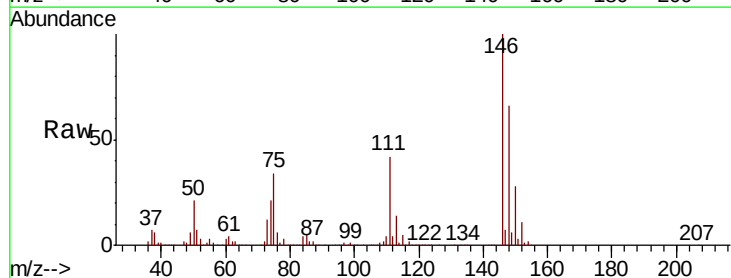
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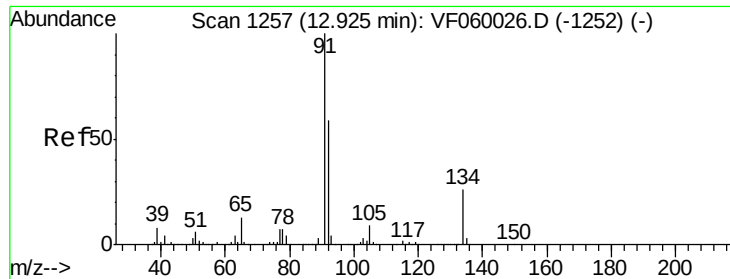
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#88
 1,4-Dichlorobenzene
 Concen: 130.26 ug/l
 RT: 12.65 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VF060029.D
 Acq: 21 Aug 2018 19:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.6	64.8
148	66.4	32.3	96.8





#89

n-Butylbenzene

Concen: 122.42 ug/l

RT: 12.93 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1435065

Ion Ratio Lower Upper

91 100

92 62.3 29.3 87.9

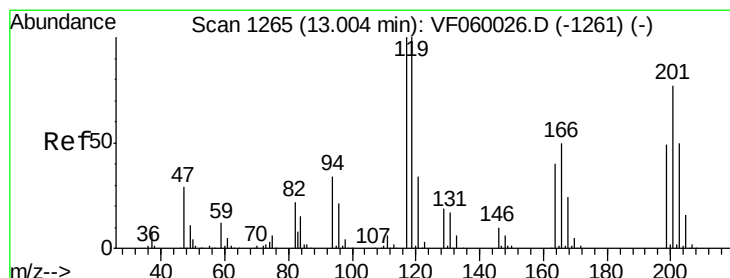
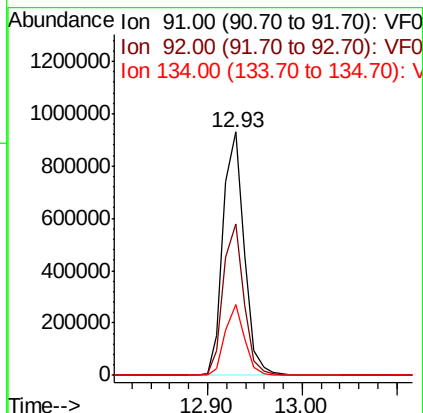
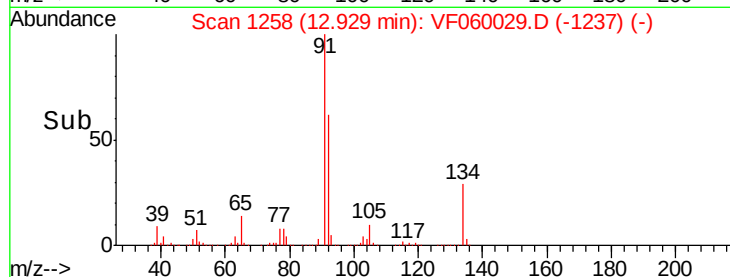
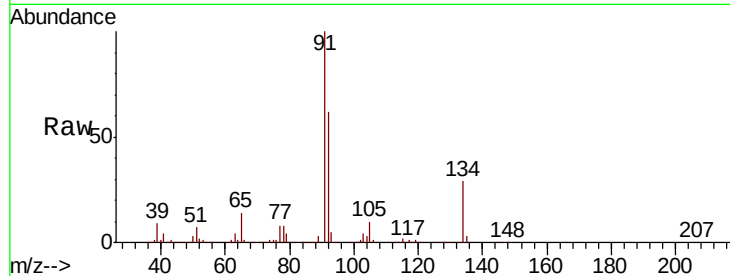
134 29.0 12.8 38.3

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#90

Hexachloroethane

Concen: 134.45 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VF060029.D

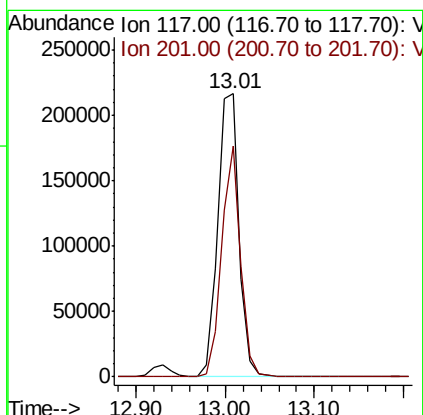
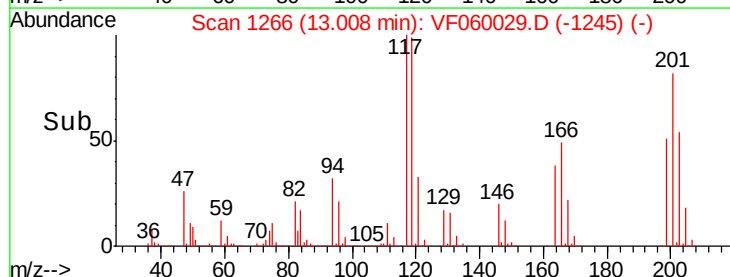
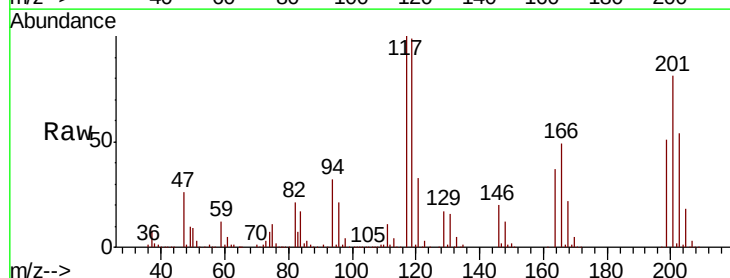
Acq: 21 Aug 2018 19:46

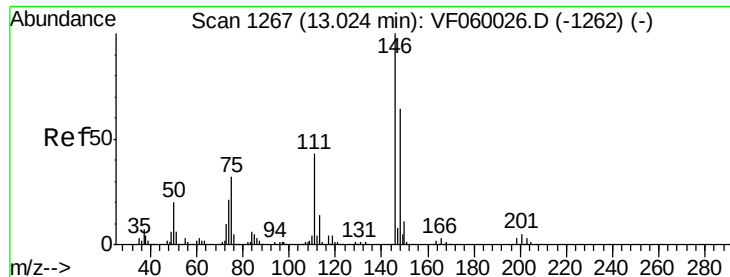
Tgt Ion: 117 Resp: 363263

Ion Ratio Lower Upper

117 100

201 81.5 38.6 115.8





#91

1,2-Dichlorobenzene

Concen: 127.35 ug/l

RT: 13.03 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

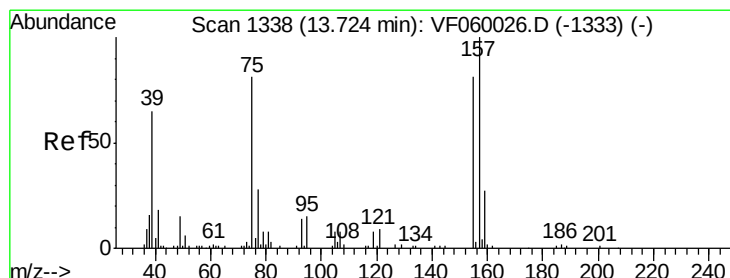
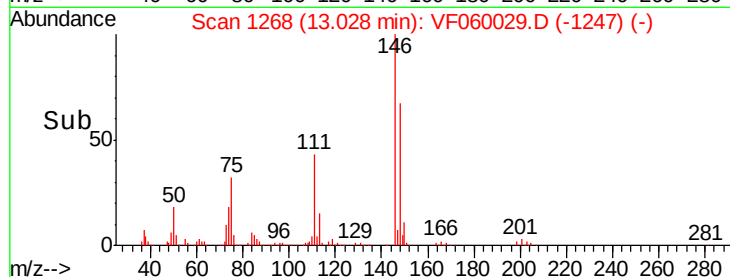
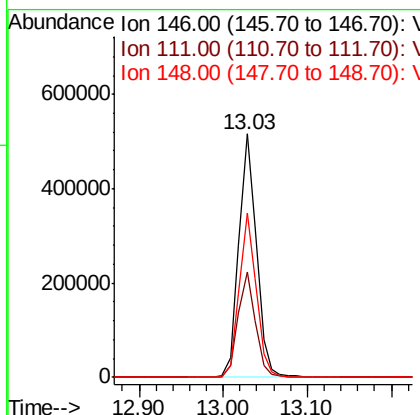
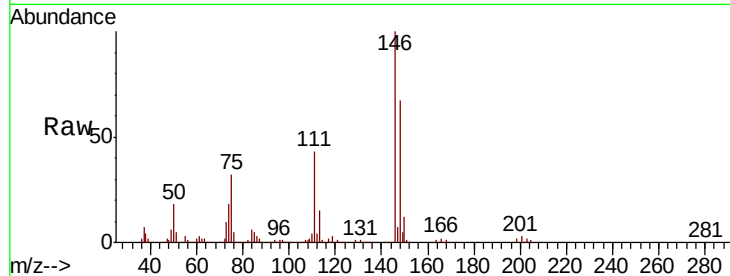
ClientSampleId :

VSTDIC150

Tot Ion:	146	Resp:	754067
Ion Ratio	Lower	Upper	
146	100		
111	43.3	21.6	64.6
148	67.2	32.3	96.8

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#92

1,2-Dibromo-3-Chloropropane

Concen: 133.64 ug/l

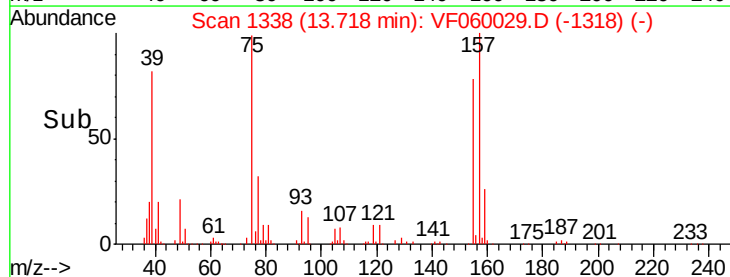
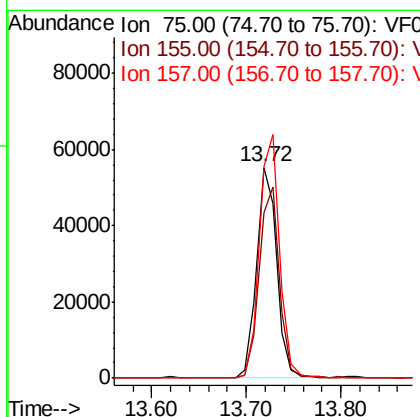
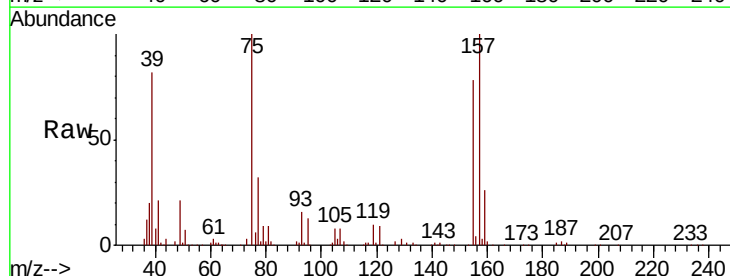
RT: 13.72 min Scan# 1338

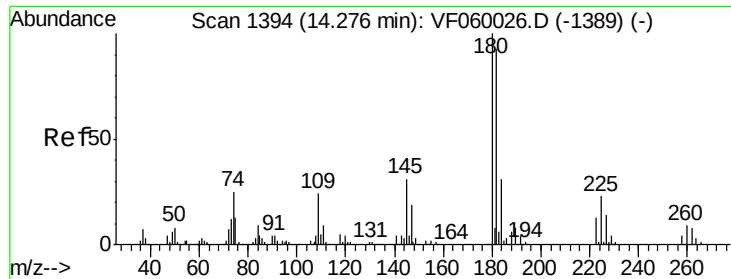
Delta R.T. -0.01 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Tgt Ion:	75	Resp:	82274
Ion Ratio	Lower	Upper	
75	100		
155	78.3	49.8	149.3
157	100.3	61.6	184.7





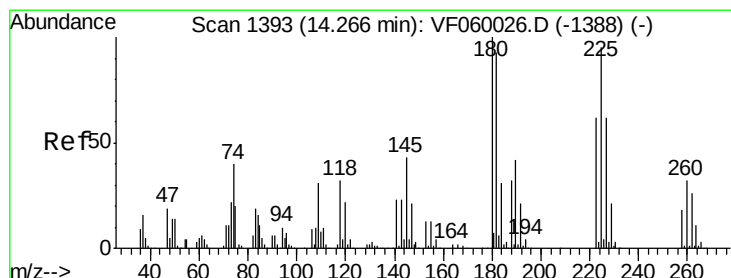
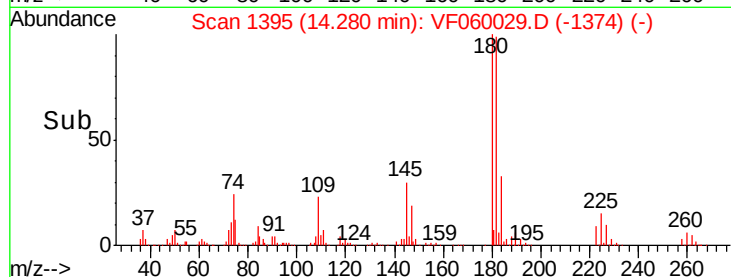
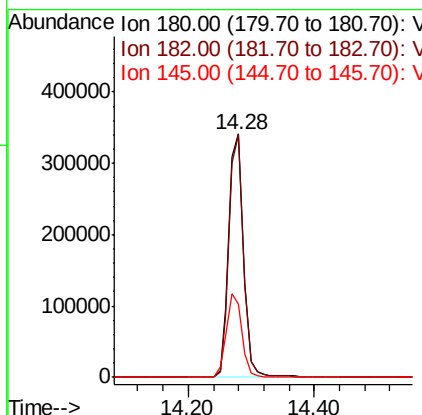
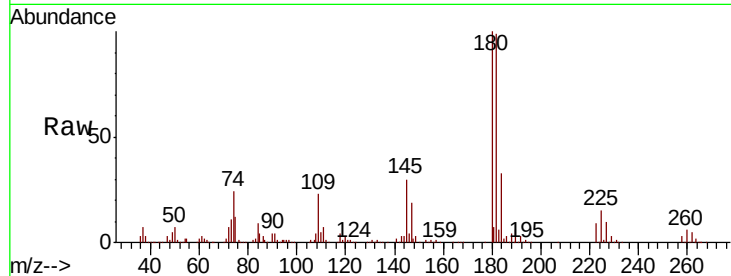
#93
1,2,4-Trichlorobenzene
Concen: 116.15 ug/l
RT: 14.28 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VF060029.D
Acq: 21 Aug 2018 19:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	99.5	46.8	140.3	
145	30.4	15.4	46.4	

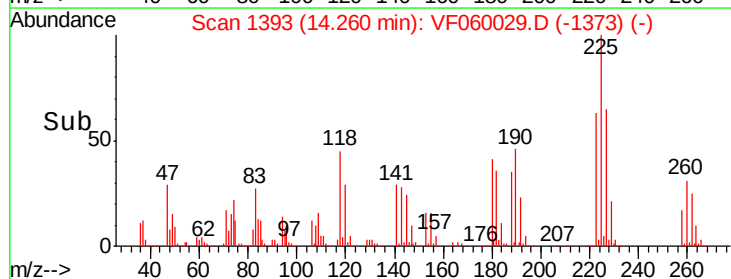
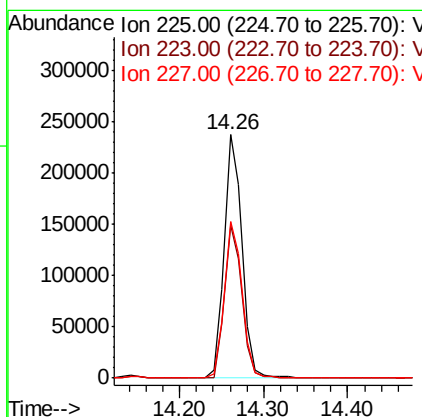
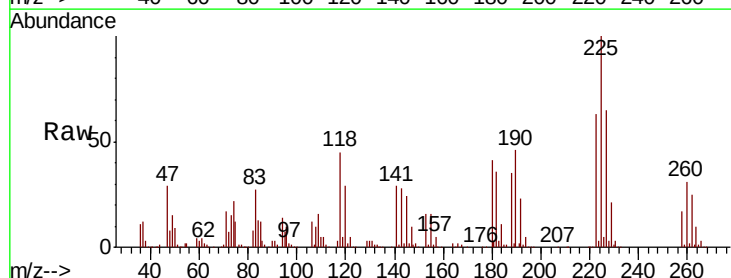
Manual Integrations
APPROVED

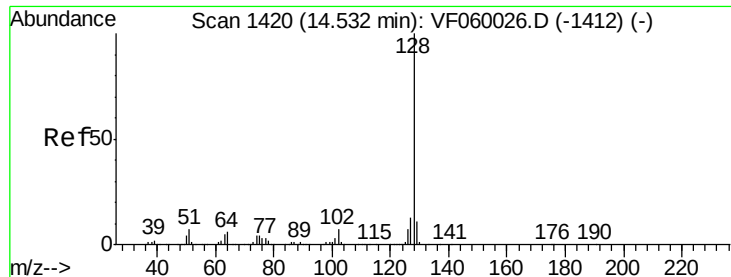
apatel
8/22/2018 11:24:17 AM



#94
Hexachlorobutadiene
Concen: 110.56 ug/l
RT: 14.26 min Scan# 1393
Delta R.T. -0.01 min
Lab File: VF060029.D
Acq: 21 Aug 2018 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.9	32.6	97.8	
227	64.6	33.0	98.9	





#95

Naphthalene

Concen: 157.05 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. -0.01 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 1080809

Ion Ratio Lower Upper

128 100

127 12.5 10.4 15.6

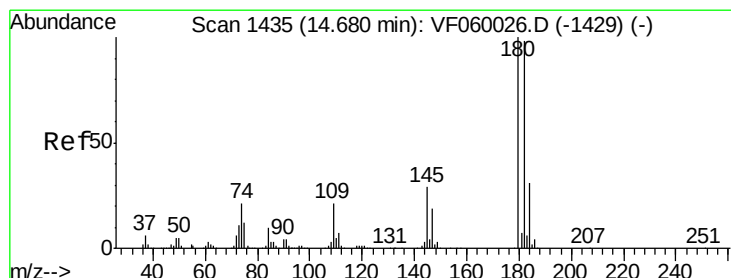
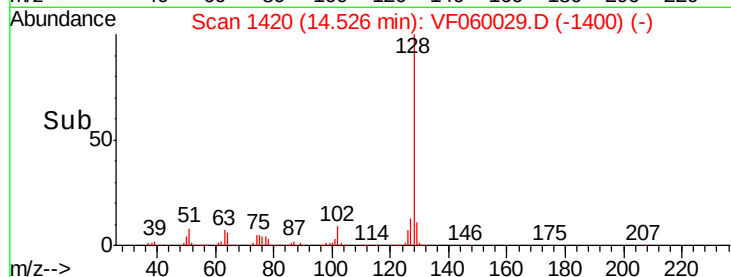
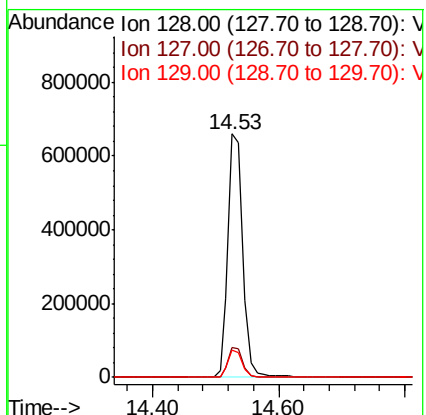
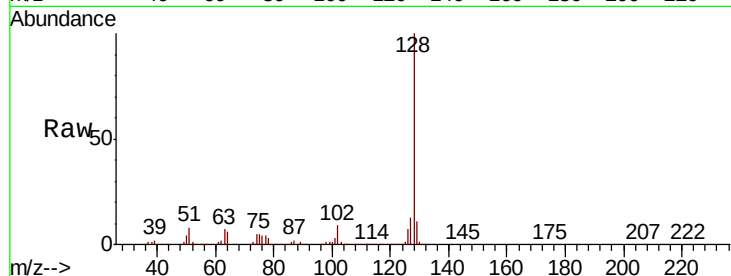
129 11.3 8.5 12.7

Manual Integrations

APPROVED

apatel

8/22/2018 11:24:17 AM



#96

1,2,3-Trichlorobenzene

Concen: 123.20 ug/l

RT: 14.67 min Scan# 1435

Delta R.T. -0.01 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Tgt Ion:180 Resp: 566146

Ion Ratio Lower Upper

180 100

182 98.8 49.0 147.2

145 33.3 14.4 43.2

