

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082118\
 Data File : VF060028.D
 Acq On : 21 Aug 2018 19:18
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 8/22/2018 11:24:13 AM

Quant Time: Aug 22 04:26:35 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	202747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	332256	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	338586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	203056	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	283431	75.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	151.56%	
35) Dibromofluoromethane	4.31	113	247880	75.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	151.80%	
50) Toluene-d8	7.72	98	689228	92.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	184.40%	
62) 4-Bromofluorobenzene	11.52	95	350791	78.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	156.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	239249	72.15	ug/l	97
3) Chloromethane	1.07	50	171413	92.90	ug/l	97
4) Vinyl Chloride	1.12	62	157231	78.13	ug/l	99
5) Bromomethane	1.32	94	116035	60.25	ug/l	92
6) Chloroethane	1.40	64	61486	61.14	ug/l	100
7) Trichlorofluoromethane	1.49	101	311699	56.36	ug/l	99
8) Diethyl Ether	1.71	74	62946	75.38	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.86	101	167835	64.04	ug/l	98
10) Methyl Iodide	1.93	142	235061	70.86	ug/l	98
11) Tert butyl alcohol	2.69	59	77401	356.22	ug/l #	89
12) 1,1-Dichloroethene	1.83	96	122396	66.90	ug/l	98
13) Acrolein	2.10	56	48791	415.25	ug/l	93
14) Allyl chloride	2.20	41	220527	71.24	ug/l	95
15) Acrylonitrile	3.08	53	146820	418.73	ug/l	95
16) Acetone	2.34	43	353507	304.01	ug/l	99
17) Carbon Disulfide	1.84	76	363011	62.71	ug/l	98
18) Methyl Acetate	2.46	43	124820	56.23	ug/l	99
19) Methyl tert-butyl Ether	2.54	73	416951	70.02	ug/l	99
20) Methylene Chloride	2.28	84	140433	54.29	ug/l	97
21) trans-1,2-Dichloroethene	2.42	96	134173	68.42	ug/l	94
22) Diisopropyl ether	2.94	45	516157	77.71	ug/l	98
23) Vinyl Acetate	3.34	43	1487014	535.56	ug/l	99
24) 1,1-Dichloroethane	3.01	63	305708	71.28	ug/l	99
25) 2-Butanone	4.52	43	471989	491.60	ug/l	99
26) 2,2-Dichloropropane	3.77	77	331777	85.68	ug/l	98
27) cis-1,2-Dichloroethene	3.65	96	201413	105.65	ug/l	98
28) Bromochloromethane	3.90	49	122151	92.32	ug/l	87
29) Tetrahydrofuran	4.26	42	176518	512.48	ug/l	98
30) Chloroform	4.05	83	436346	84.79	ug/l	97
31) Cyclohexane	3.87	56	224835	104.91	ug/l	97
32) 1,1,1-Trichloroethane	4.29	97	371136	75.52	ug/l	98
36) 1,1-Dichloropropene	4.47	75	286508	76.91	ug/l	100
37) Ethyl Acetate	4.31	43	176333	86.54	ug/l #	66
38) Carbon Tetrachloride	4.19	117	324238	63.07	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	256144	90.03	ug/l	88
40) Benzene	4.82	78	611191	95.48	ug/l	98
41) Methacrylonitrile	4.94	41	88852	90.08	ug/l	98
42) 1,2-Dichloroethane	5.13	62	342796	66.74	ug/l	98
43) Isopropyl Acetate	7.12	43	237221	102.69	ug/l #	97
44) Trichloroethene	5.69	130	202601	82.78	ug/l	94
45) 1,2-Dichloropropane	6.42	63	184758	100.00	ug/l	98
46) Dibromomethane	6.27	93	145949	82.50	ug/l	95
47) Bromodichloromethane	6.56	83	353848	75.93	ug/l	98
48) Methyl methacrylate	6.89	41	155544	92.41	ug/l	97
49) 1,4-Dioxane	6.88	88	28888	2186.16	ug/l #	87
51) 4-Methyl-2-Pentanone	8.42	43	940995	440.94	ug/l	99
52) Toluene	7.79	92	418340	87.41	ug/l	95
53) t-1,3-Dichloropropene	8.44	75	314477	79.32	ug/l	95
54) cis-1,3-Dichloropropene	7.47	75	354725	90.53	ug/l	99
55) 1,1,2-Trichloroethane	8.65	97	182847	95.57	ug/l	99
56) Ethyl methacrylate	8.77	69	226569	101.71	ug/l	96
57) 1,3-Dichloropropane	9.02	76	303788	88.87	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.79	63	75663	427.93	ug/l	100
59) 2-Hexanone	9.64	43	737632	418.04	ug/l	99
60) Dibromochloromethane	8.87	129	274600	81.54	ug/l	96
61) 1,2-Dibromoethane	9.15	107	210786	89.64	ug/l	99
64) Tetrachloroethene	8.32	164	204679	79.78	ug/l	98
65) Chlorobenzene	9.95	112	587642	88.13	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.08	131	235487	78.95	ug/l	98
67) Ethyl Benzene	10.05	91	964520	80.34	ug/l	98
68) m/p-Xylenes	10.28	106	692093	163.61	ug/l	94
69) o-Xylene	10.84	106	389141	89.89	ug/l	98
70) Styrene	10.91	104	606220	87.79	ug/l	96
71) Bromoform	10.90	173	176428	80.14	ug/l	99
73) Isopropylbenzene	11.24	105	1128082	92.31	ug/l	100
74) N-amyl acetate	11.47	43	387311	109.86	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.80	83	254392	103.56	ug/l	95
76) 1,2,3-Trichloropropane	11.90	75	198286	93.75	ug/l	99
77) Bromobenzene	11.60	156	307170	90.42	ug/l	89
78) n-propylbenzene	11.70	91	1299746	85.46	ug/l	97
79) 2-Chlorotoluene	11.83	91	783781	85.93	ug/l	94
80) 1,3,5-Trimethylbenzene	11.93	105	957309	87.28	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.96	75	101621m	113.88	ug/l	
82) 4-Chlorotoluene	11.99	91	888538	89.02	ug/l	97
83) tert-Butylbenzene	12.22	119	914525	85.27	ug/l	93
84) 1,2,4-Trimethylbenzene	12.30	105	1001498	86.87	ug/l	98
85) sec-Butylbenzene	12.40	105	1289411	90.09	ug/l	96
86) p-Isopropyltoluene	12.55	119	1077527	85.14	ug/l	97
87) 1,3-Dichlorobenzene	12.57	146	541200	83.45	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	570393	90.53	ug/l	98
89) n-Butylbenzene	12.93	91	1053635	86.15	ug/l	94
90) Hexachloroethane	13.00	117	256095	90.86	ug/l	81
91) 1,2-Dichlorobenzene	13.03	146	545226	88.26	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	57362	89.31	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	414846	83.00	ug/l	95
94) Hexachlorobutadiene	14.26	225	254766	77.56	ug/l	96
95) Naphthalene	14.53	128	839517	116.93	ug/l	98
96) 1,2,3-Trichlorobenzene	14.68	180	414745	86.51	ug/l	98

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

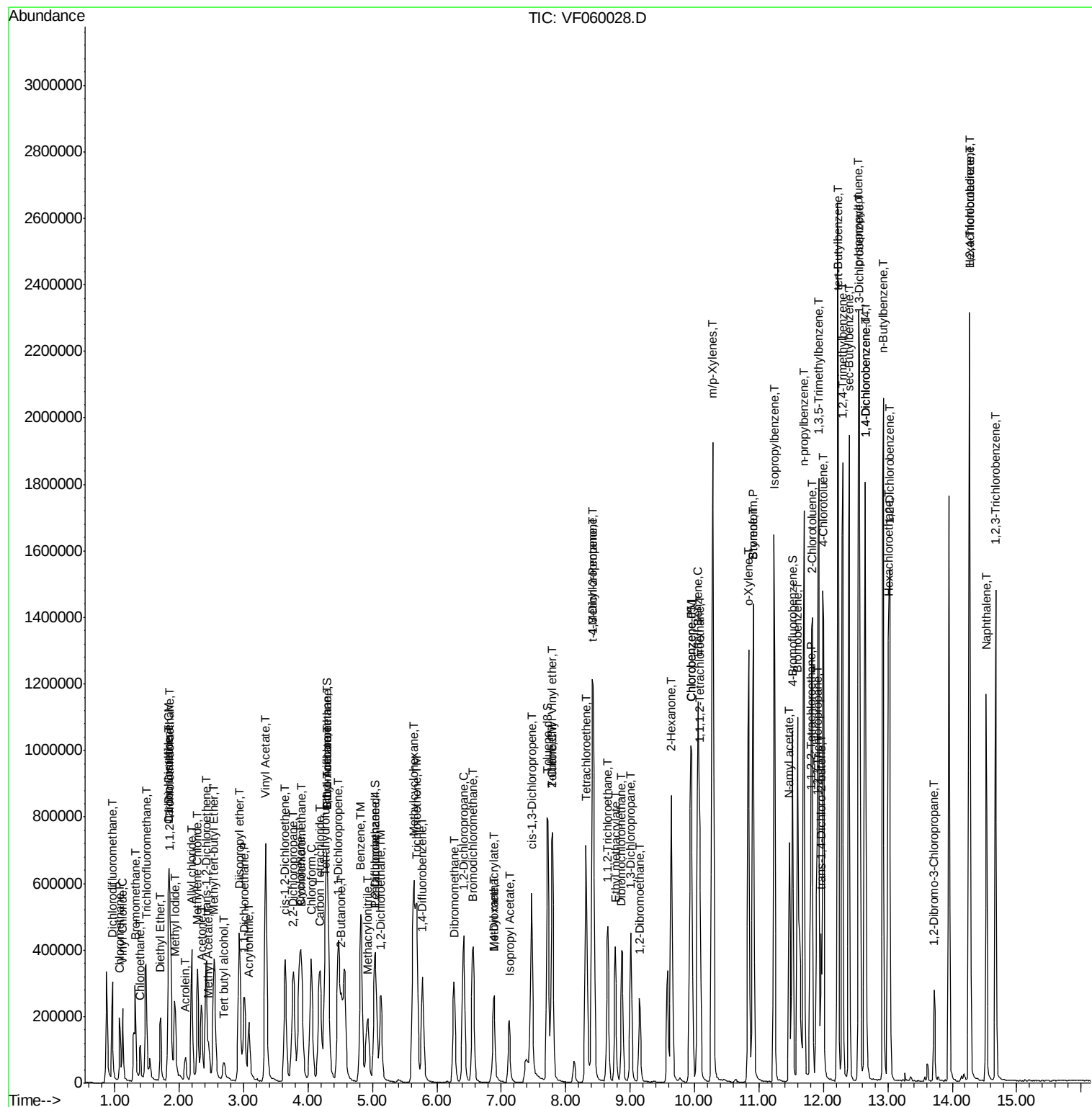
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082118\
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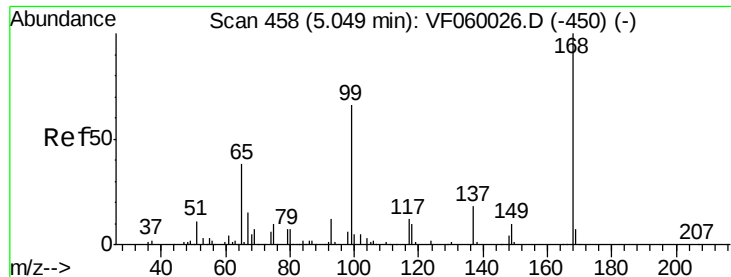
Instrument :
 MSVOA_F
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 459

Delta R.T. 0.01 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 202747

Ion Ratio Lower Upper

168 100

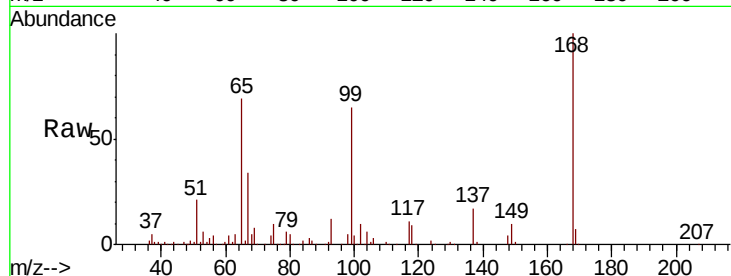
99 64.8 52.6 79.0

Manual Integrations

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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

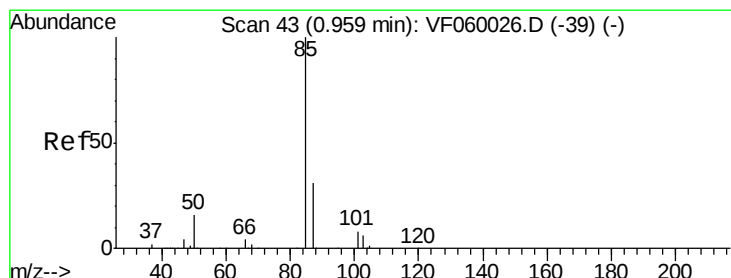
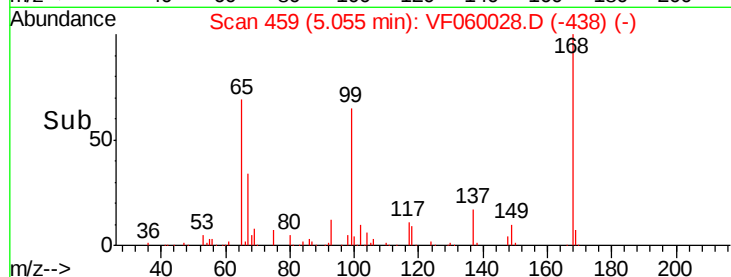
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 72.15 ug/l

RT: 0.96 min Scan# 44

Delta R.T. 0.01 min

Lab File: VF060028.D

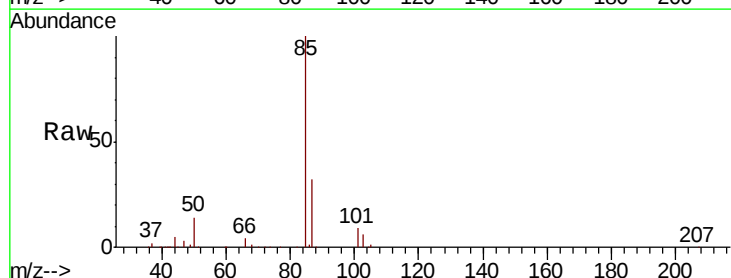
Acq: 21 Aug 2018 19:18

Tgt Ion: 85 Resp: 239249

Ion Ratio Lower Upper

85 100

87 32.1 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

200000

150000

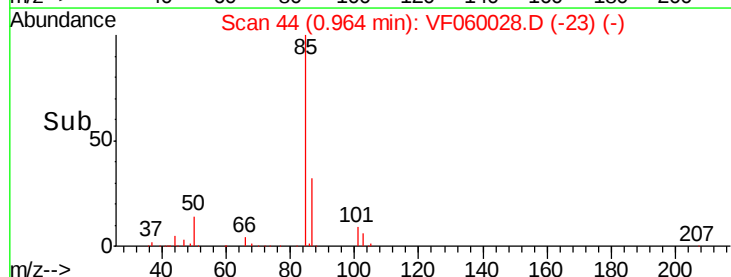
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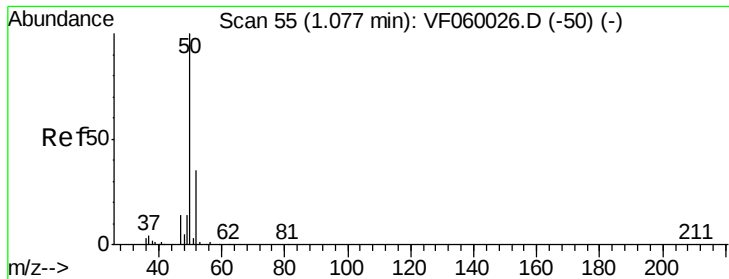
50000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 92.90 ug/l

RT: 1.07 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 171413

Ion Ratio Lower Upper

50 100

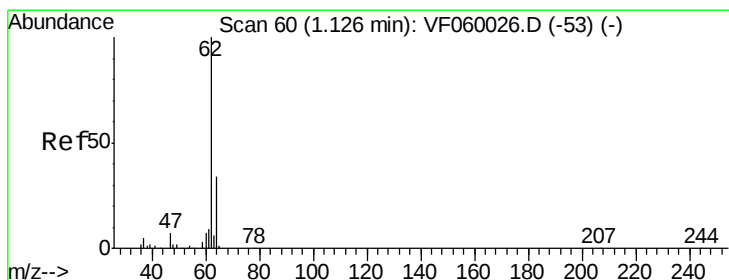
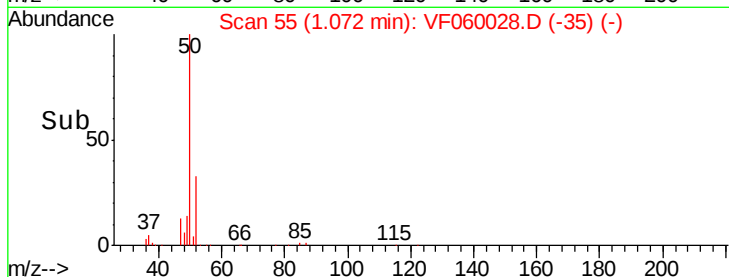
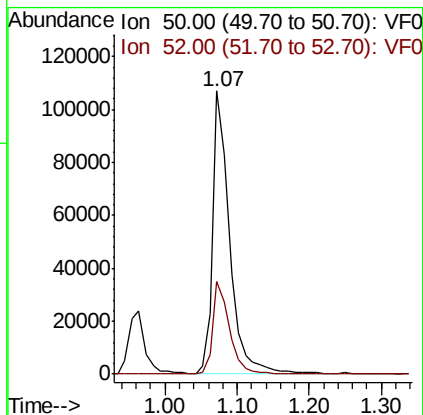
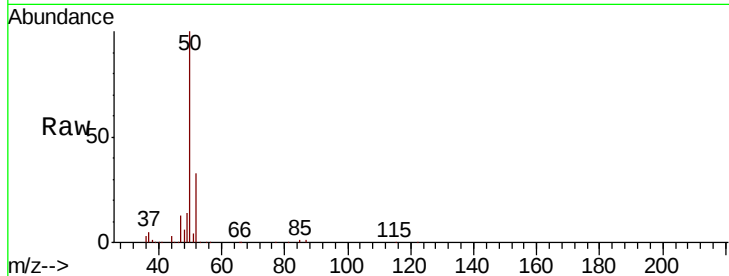
52 32.7 27.6 41.4

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#4

Vinyl Chloride

Concen: 78.13 ug/l

RT: 1.12 min Scan# 60

Delta R.T. -0.00 min

Lab File: VF060028.D

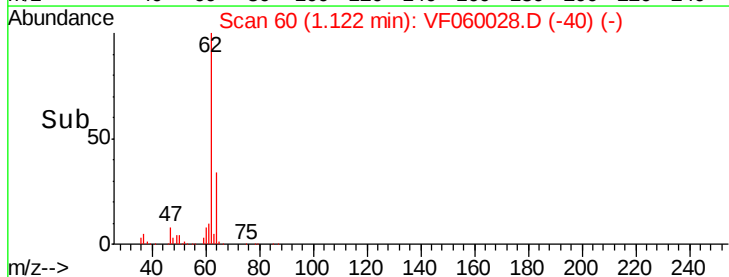
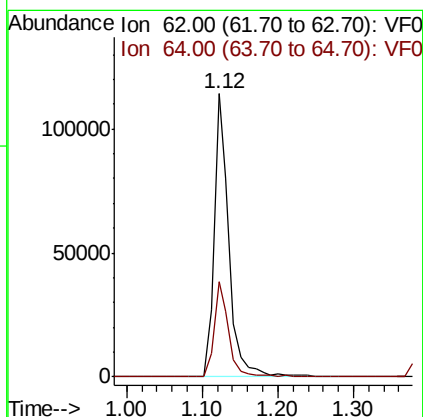
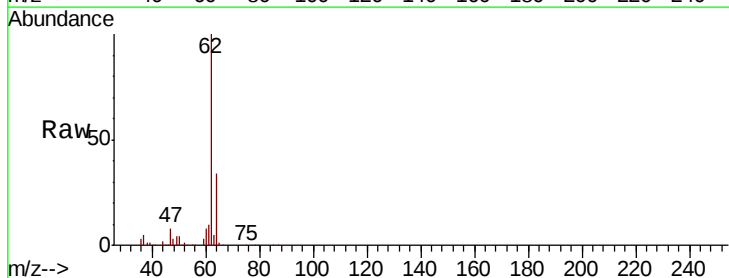
Acq: 21 Aug 2018 19:18

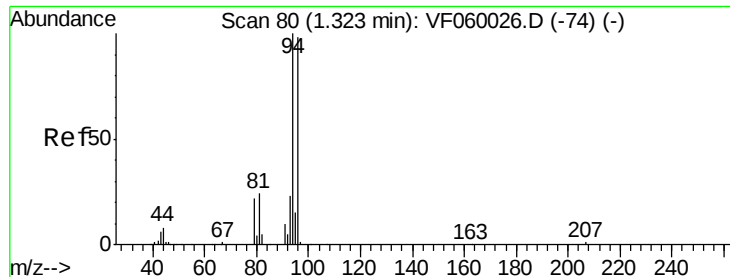
Tgt Ion: 62 Resp: 157231

Ion Ratio Lower Upper

62 100

64 33.7 27.4 41.2





#5

Bromomethane

Concen: 60.25 ug/l

RT: 1.32 min Scan# 80

Delta R.T. -0.00 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

Instrument :

MSVOA_F

ClientSampled :

VSTDIC100

Tot Ion: 94 Resp: 116035

Ion Ratio Lower Upper

94 100

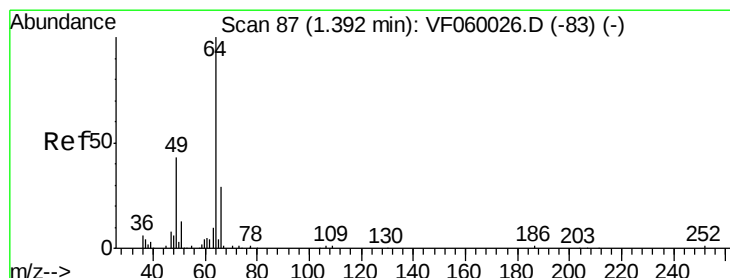
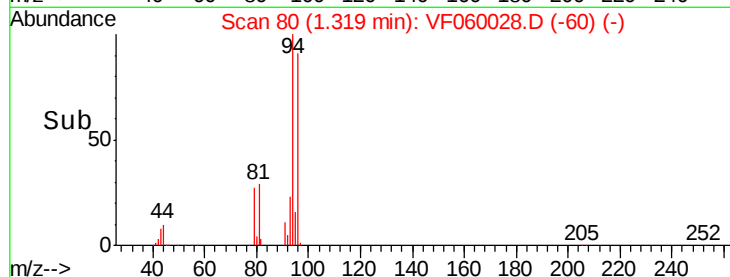
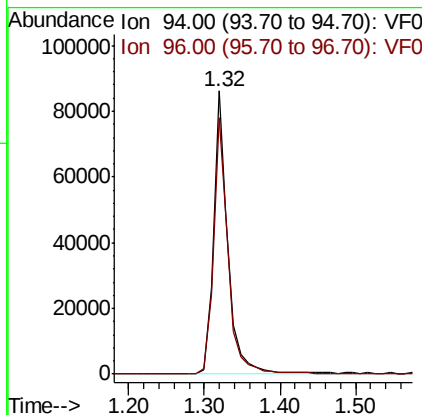
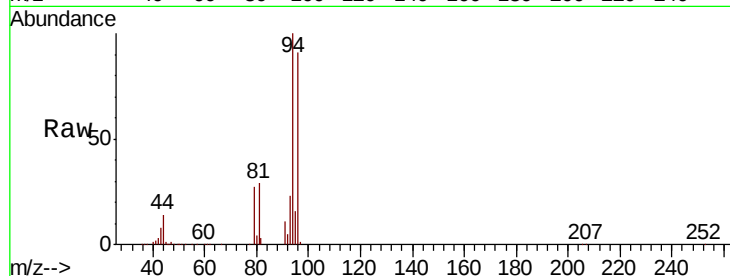
96 90.6 78.6 118.0

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#6

Chloroethane

Concen: 61.14 ug/l

RT: 1.40 min Scan# 88

Delta R.T. 0.01 min

Lab File: VF060028.D

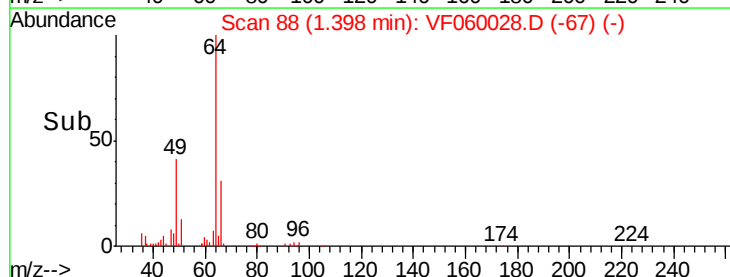
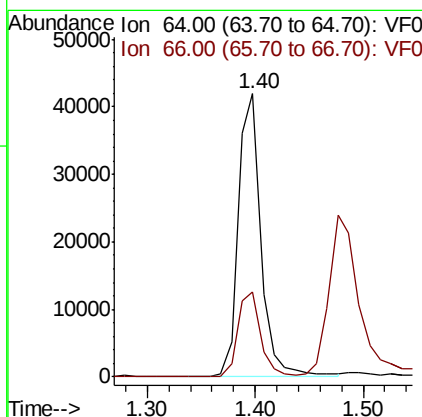
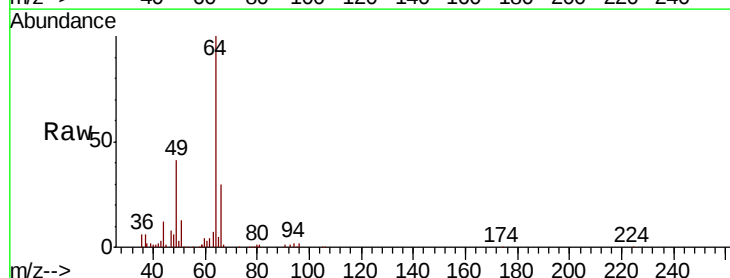
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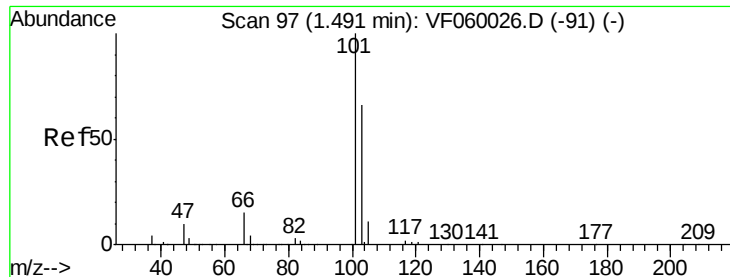
Tgt Ion: 64 Resp: 61486

Ion Ratio Lower Upper

64 100

66 30.2 24.1 36.1





#7

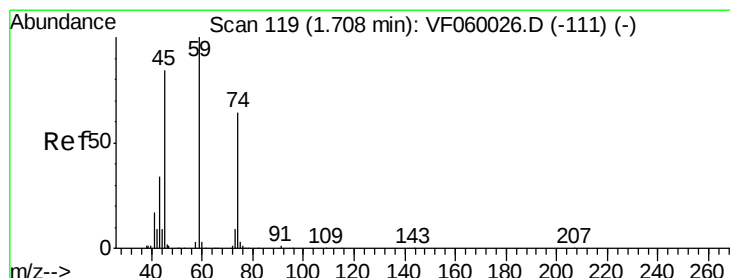
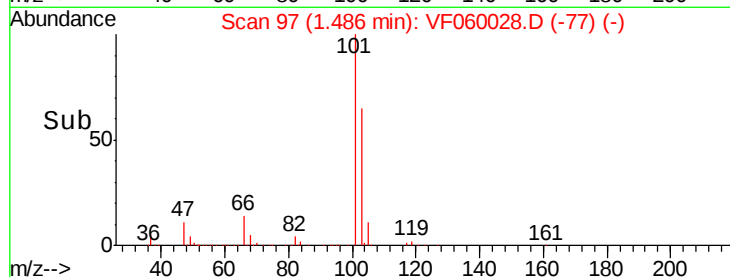
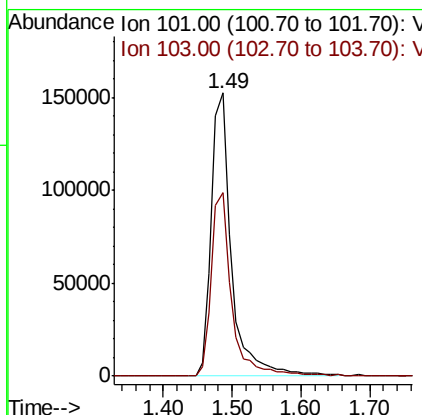
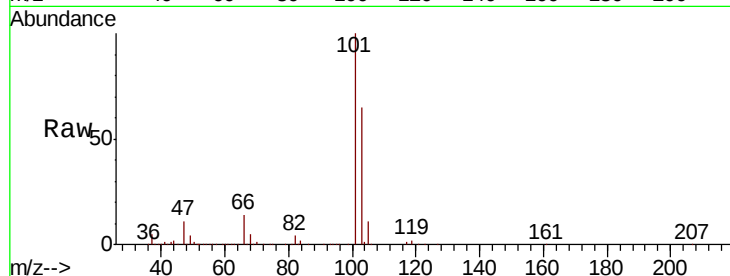
Trichlorofluoromethane
 Concen: 56.36 ug/l
 RT: 1.49 min Scan# 97
 Delta R.T. -0.00 min
 Lab File: VF060028.D
 Acq: 21 Aug 2018 19:18

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	311699		
103	64.8	52.5	78.7	

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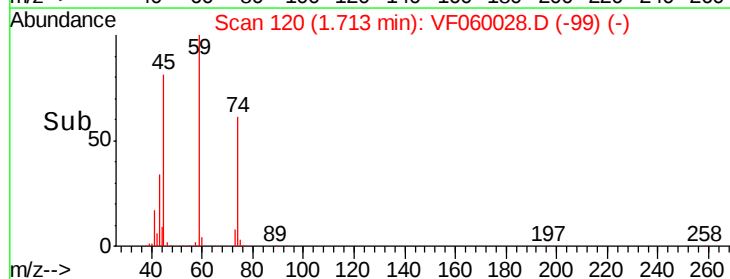
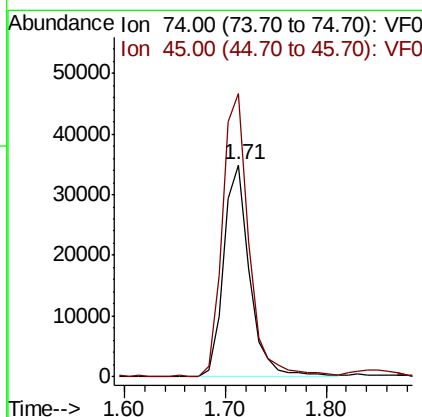
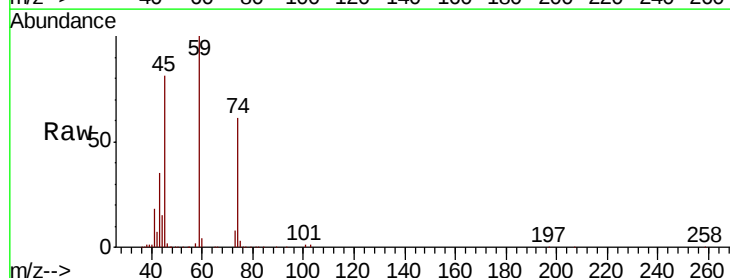
apatel
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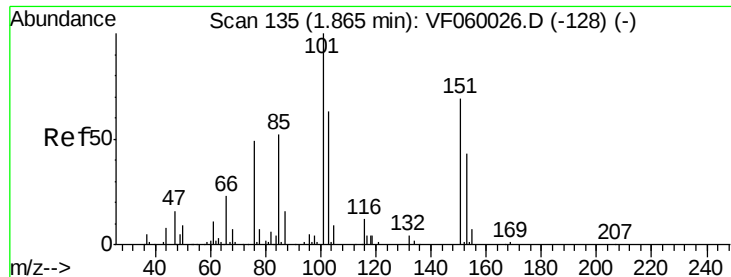


#8

Diethyl Ether
 Concen: 75.38 ug/l
 RT: 1.71 min Scan# 120
 Delta R.T. 0.01 min
 Lab File: VF060028.D
 Acq: 21 Aug 2018 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	62946		
45	133.5	66.0	198.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 64.04 ug/l

RT: 1.86 min Scan# 135

Delta R.T. -0.00 min

Lab File: VF060028.D

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MSVOA_F

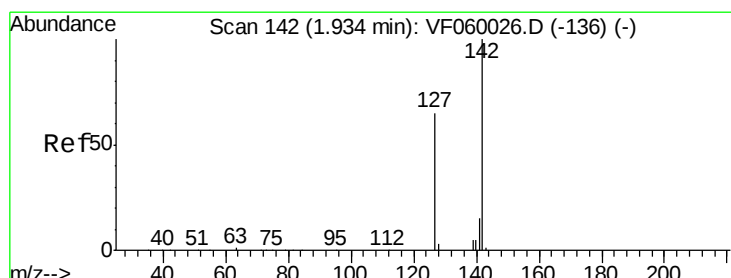
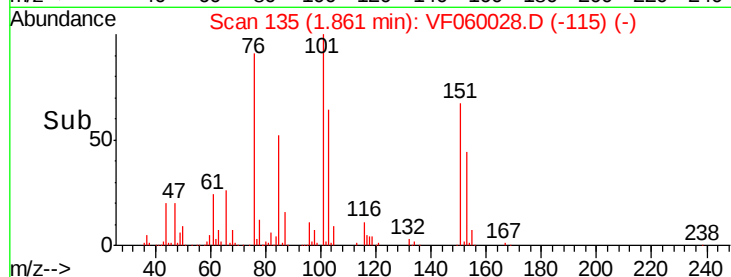
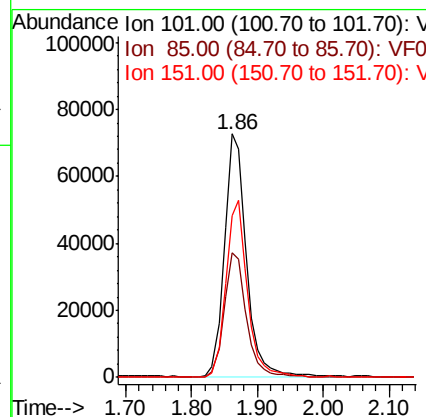
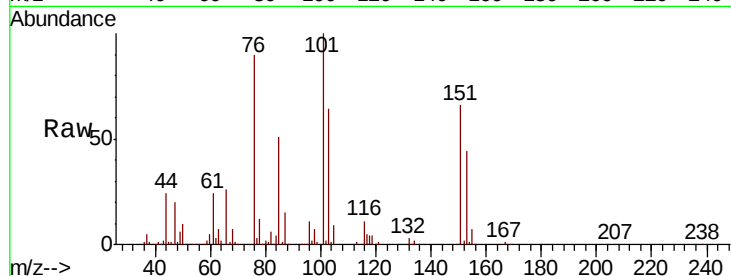
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	167835
Ion Ratio	Lower	Upper	
101	100		
85	51.4	41.5	62.3
151	66.2	55.2	82.8

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#10

Methyl Iodide

Concen: 70.86 ug/l

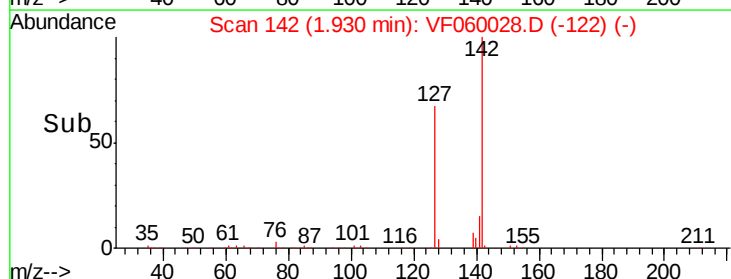
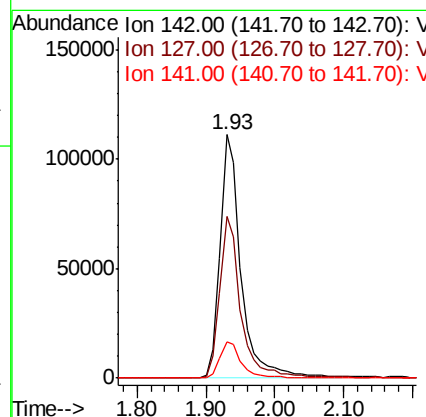
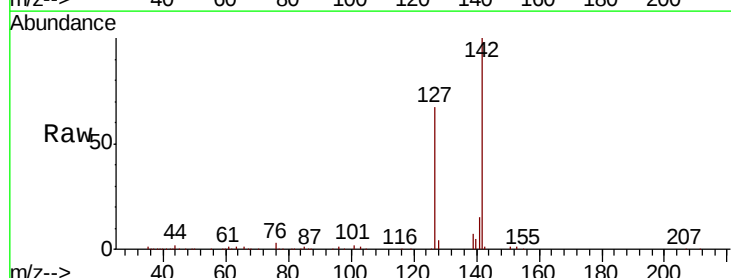
RT: 1.93 min Scan# 142

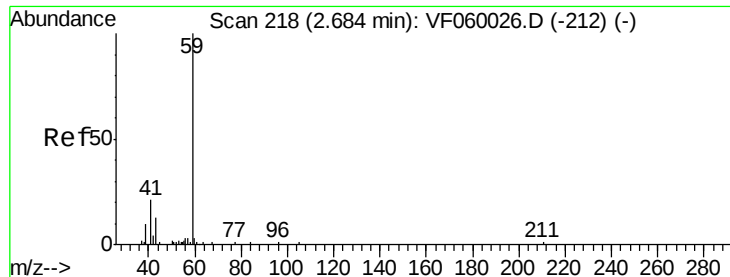
Delta R.T. -0.00 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

Tgt Ion:	142	Resp:	235061
Ion Ratio	Lower	Upper	
142	100		
127	66.6	51.8	77.6
141	15.1	11.9	17.9





#11

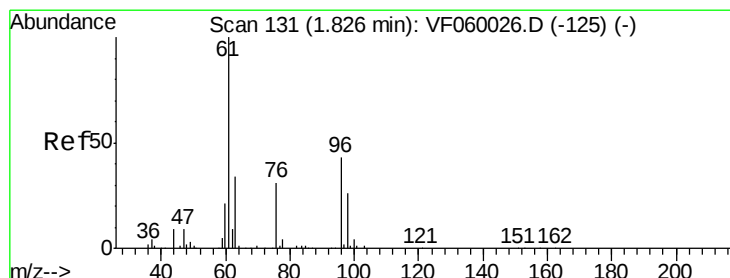
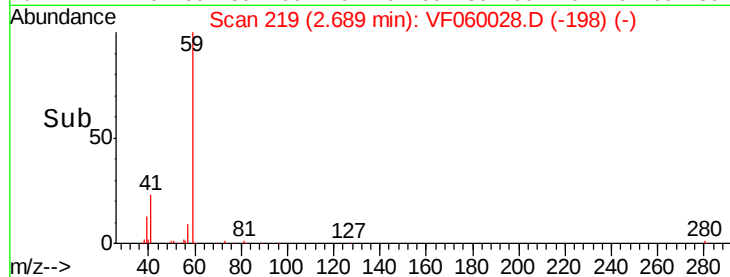
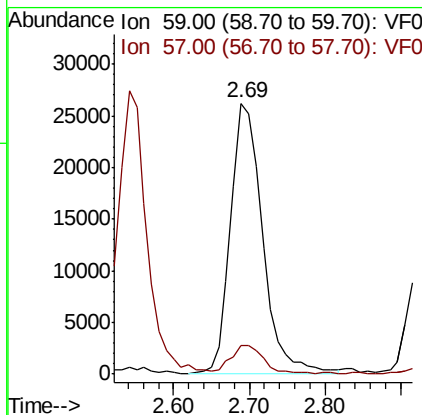
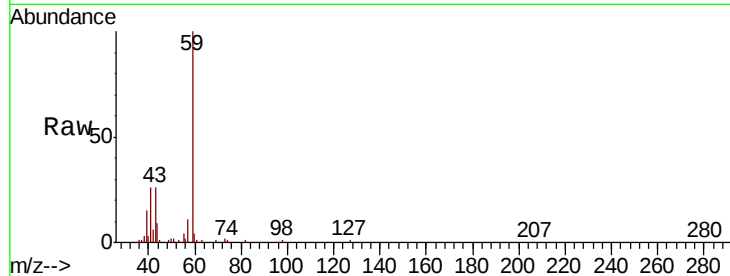
Tert butyl alcohol
 Concen: 356.22 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. 0.01 min
 Lab File: VF060028.D
 Acq: 21 Aug 2018 19:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	59	Resp	77401
Ion Ratio	100	Lower	Upper
57	10.7	5.4	8.2#

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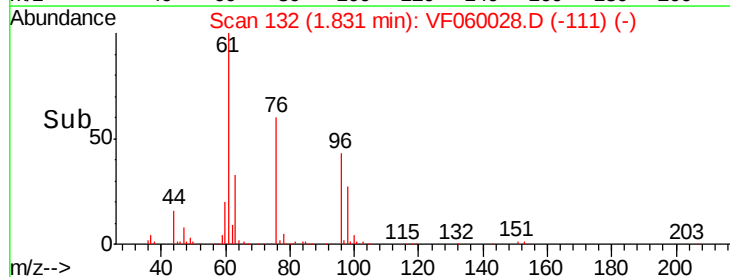
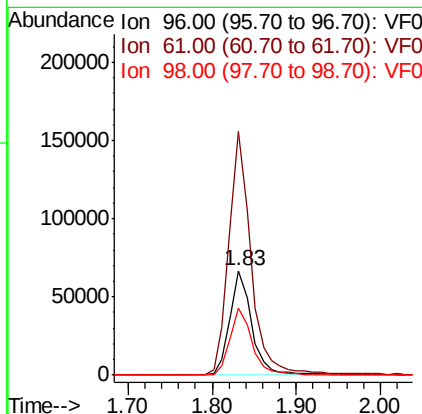
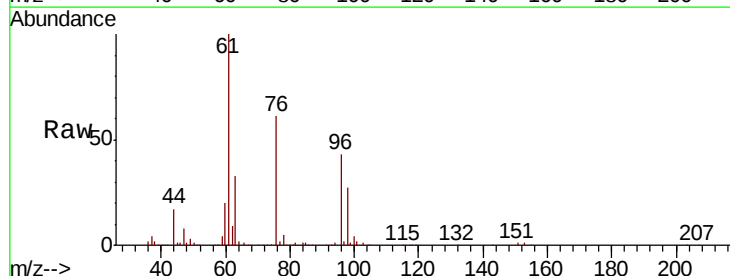
apatel
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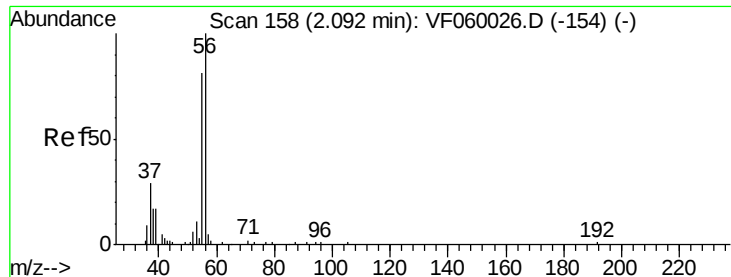


#12

1,1-Dichloroethene
 Concen: 66.90 ug/l
 RT: 1.83 min Scan# 132
 Delta R.T. 0.01 min
 Lab File: VF060028.D
 Acq: 21 Aug 2018 19:18

Tgt Ion	96	Resp	122396
Ion Ratio	100	Lower	Upper
61	233.7	185.0	277.6
98	63.7	47.8	71.8





#13

Acrolein

Concen: 415.25 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.01 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 48791

Ion Ratio Lower Upper

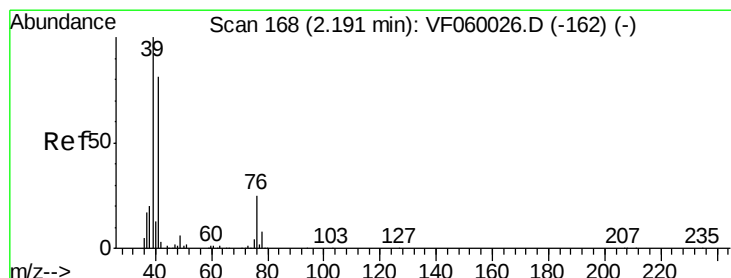
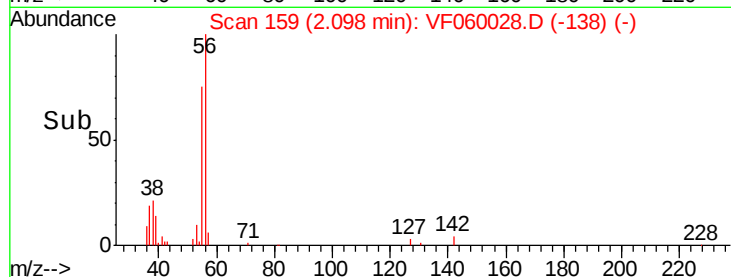
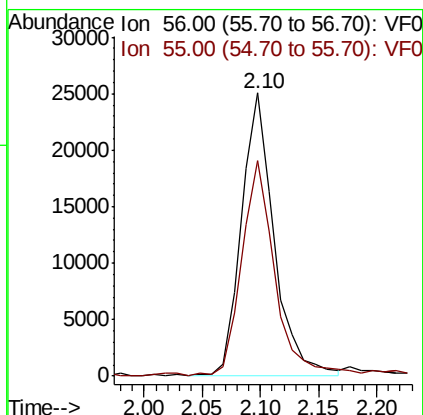
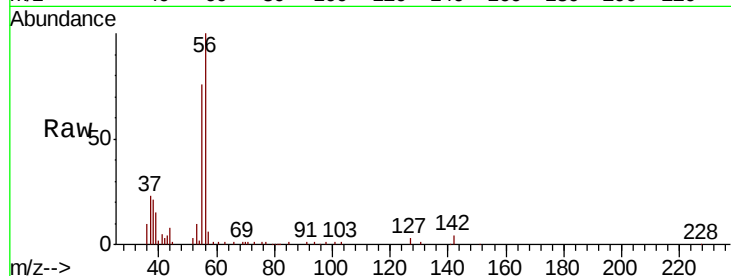
56 100

55 75.9 65.6 98.4

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#14

Allyl chloride

Concen: 71.24 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.01 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

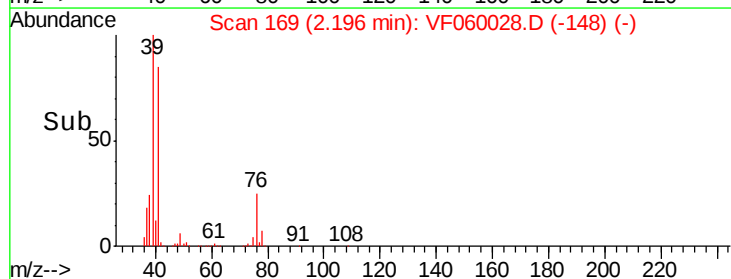
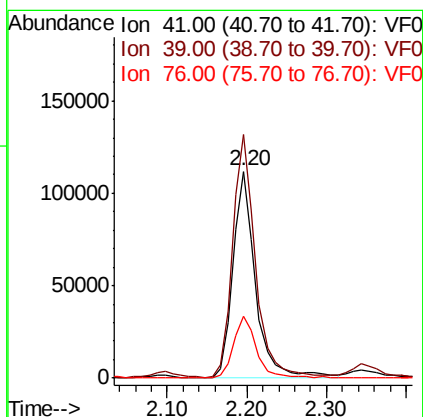
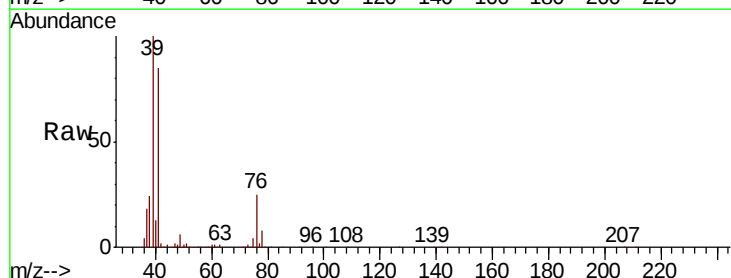
Tgt Ion: 41 Resp: 220527

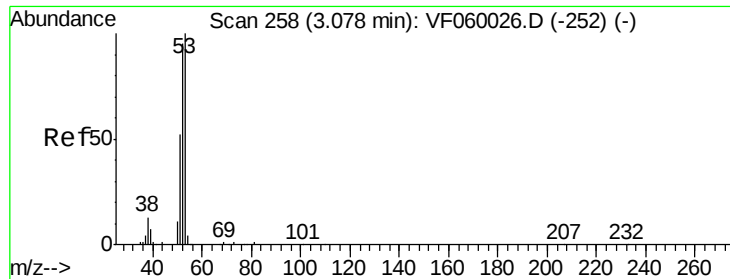
Ion Ratio Lower Upper

41 100

39 117.9 99.3 148.9

76 30.0 24.3 36.5





#15

Acrylonitrile

Concen: 418.73 ug/l

RT: 3.08 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

Instrument :

MSVOA_F

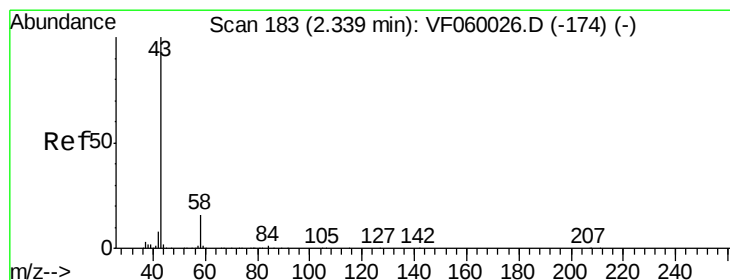
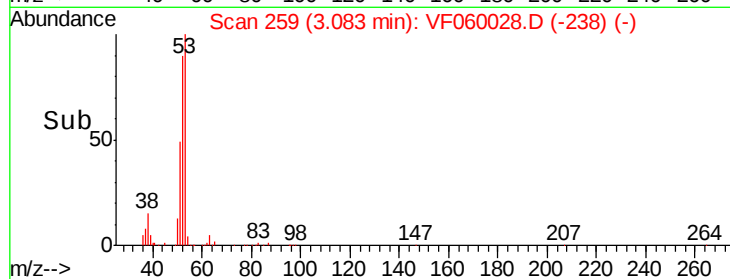
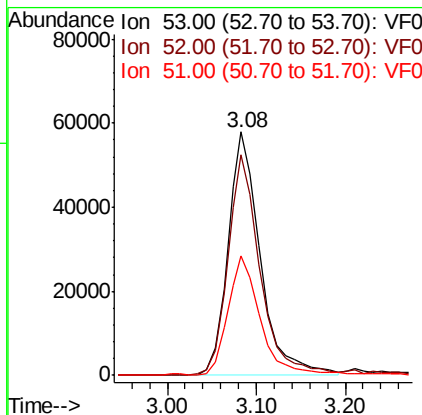
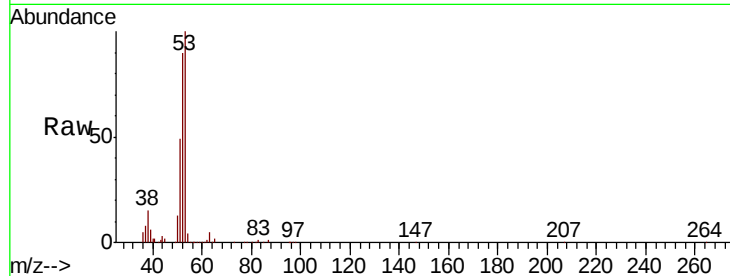
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	146820
Ion	Ratio	Lower	Upper
53	100		
52	90.5	75.8	113.8
51	49.2	42.1	63.1

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#16

Acetone

Concen: 304.01 ug/l

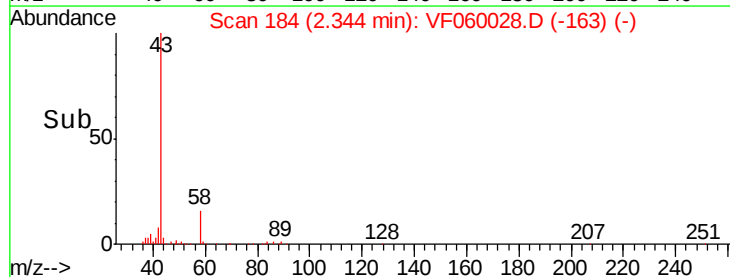
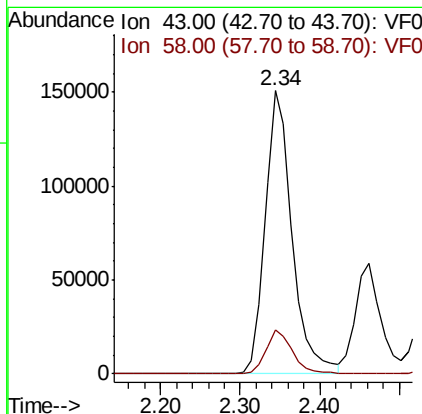
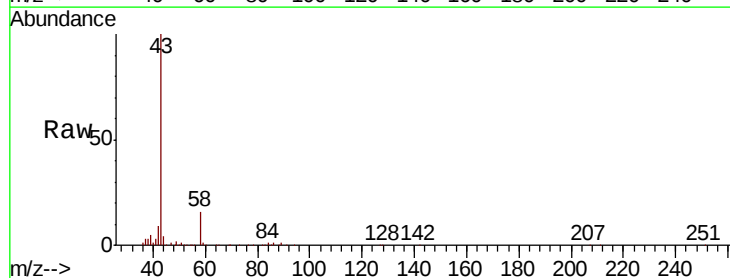
RT: 2.34 min Scan# 184

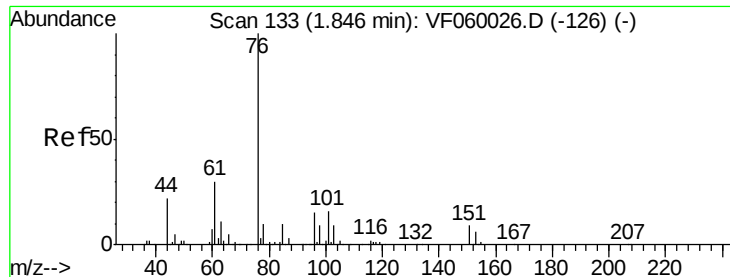
Delta R.T. 0.01 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

Tgt Ion:	43	Resp:	353507
Ion	Ratio	Lower	Upper
43	100		
58	15.5	12.6	19.0





#17

Carbon Disulfide

Concen: 62.71 ug/l

RT: 1.84 min Scan# 133

Delta R.T. -0.00 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 363011

Ion Ratio Lower Upper

76 100

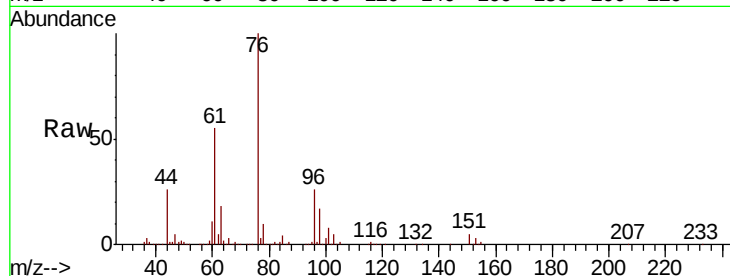
78 9.8 8.4 12.6

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

1.84

200000

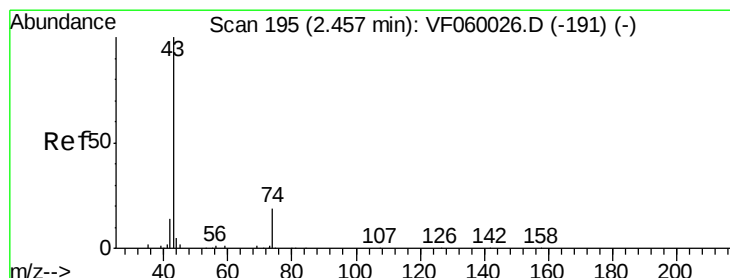
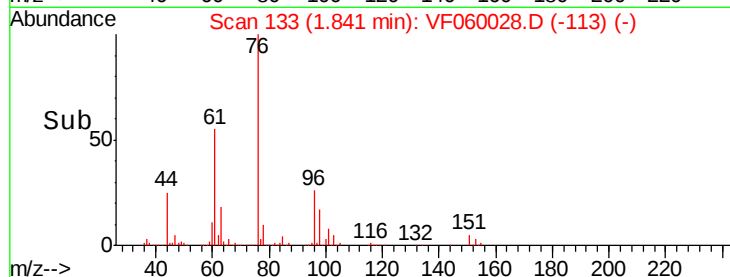
150000

100000

50000

0

Time--> 1.70 1.80 1.90 2.00



#18

Methyl Acetate

Concen: 56.23 ug/l

RT: 2.46 min Scan# 196

Delta R.T. 0.01 min

Lab File: VF060028.D

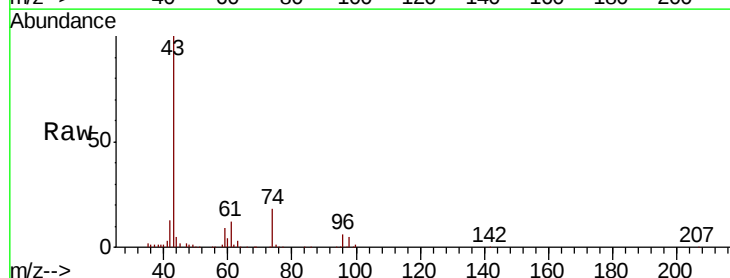
Acq: 21 Aug 2018 19:18

Tgt Ion: 43 Resp: 124820

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

2.46

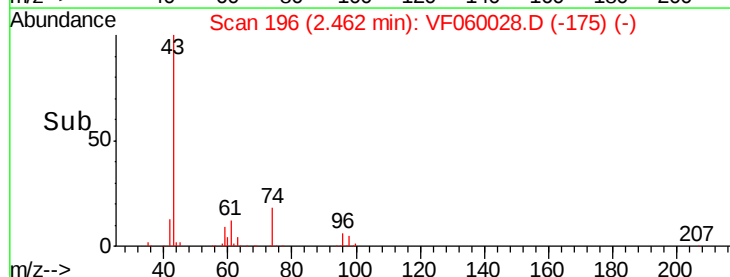
60000

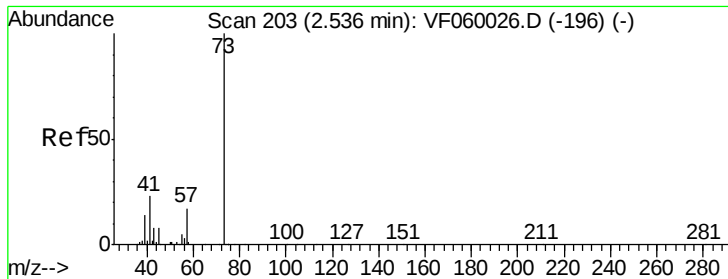
40000

20000

0

Time--> 2.40 2.45 2.50





#19

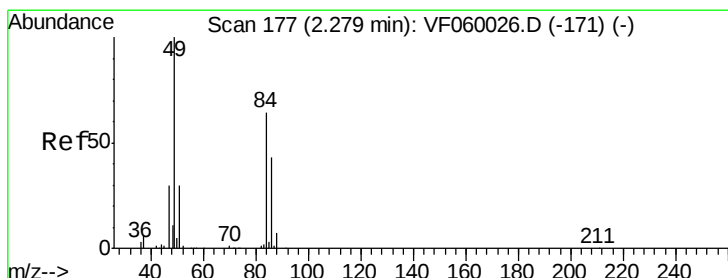
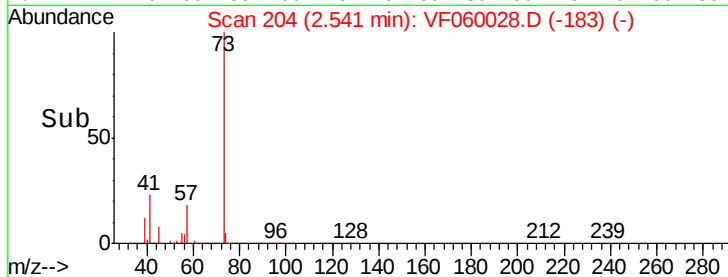
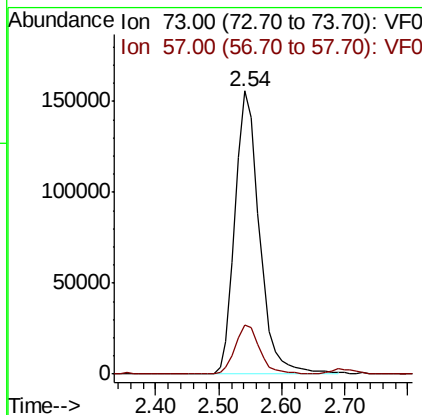
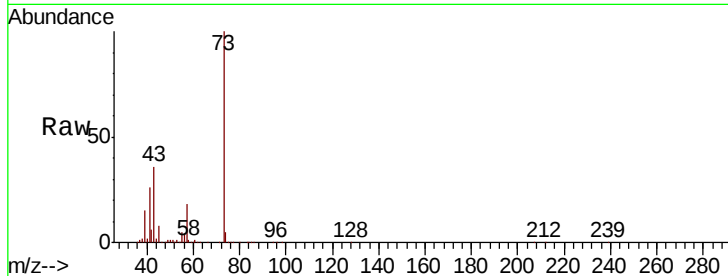
Methyl tert-butyl Ether
 Concen: 70.02 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.01 min
 Lab File: VF060028.D
 Acq: 21 Aug 2018 19:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.6	13.7	20.5

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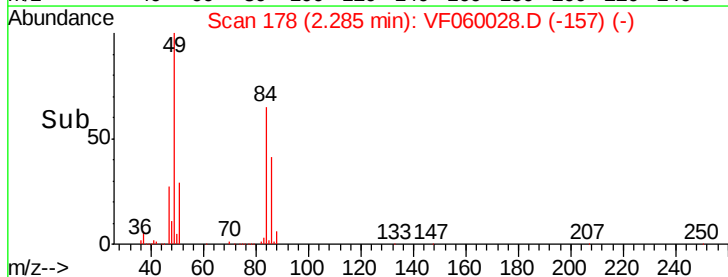
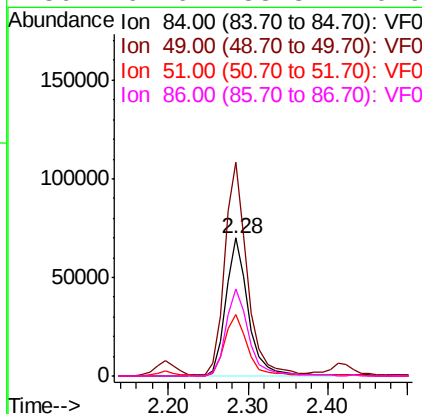
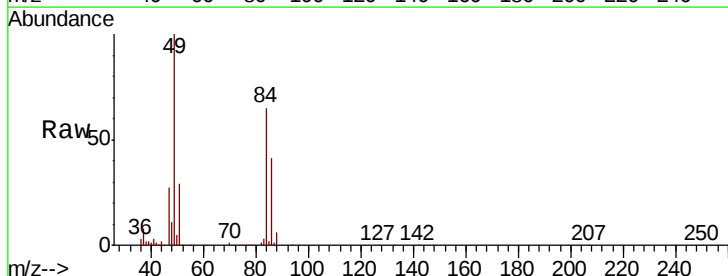
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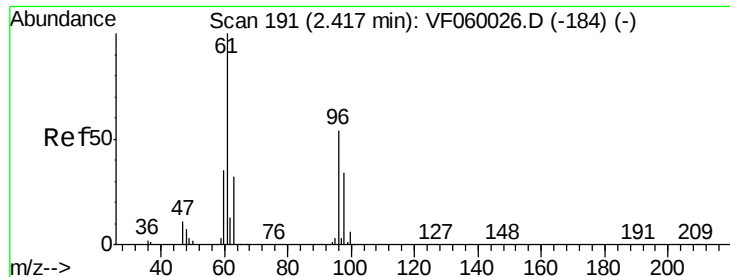


#20

Methylene Chloride
 Concen: 54.29 ug/l
 RT: 2.28 min Scan# 178
 Delta R.T. 0.01 min
 Lab File: VF060028.D
 Acq: 21 Aug 2018 19:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	154.5	125.4	188.0
51	44.5	38.3	57.5
86	62.6	53.3	79.9





#21

trans-1,2-Dichloroethene

Concen: 68.42 ug/l

RT: 2.42 min Scan# 192

Delta R.T. 0.01 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

Instrument :

MSVOA_F

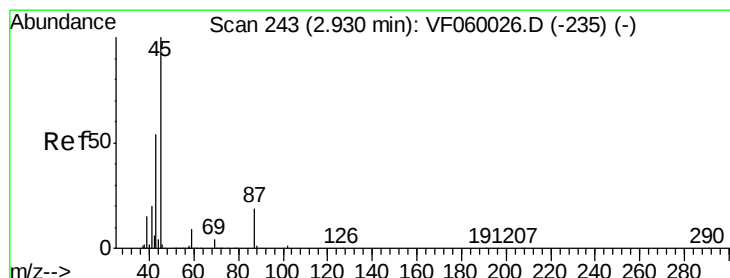
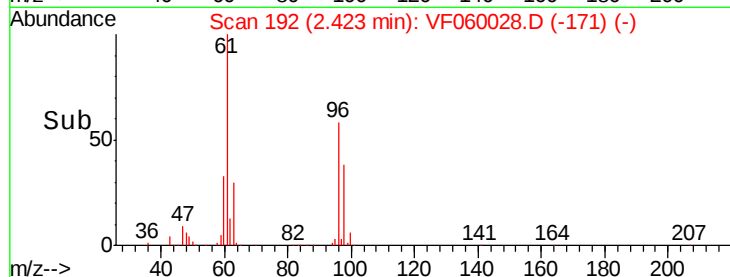
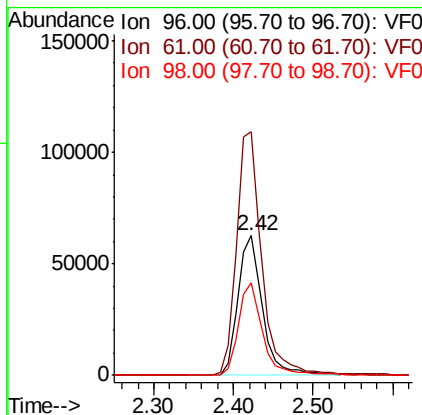
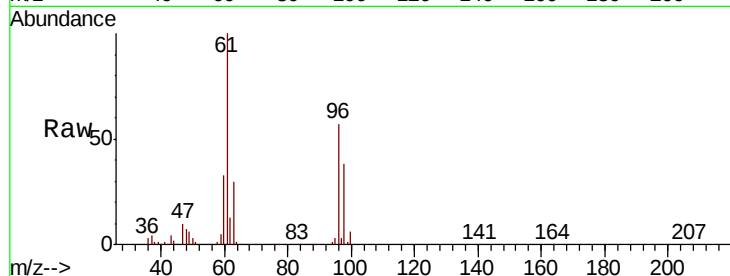
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	134173
Ion	Ratio	Lower	Upper
96	100		
61	174.4	147.4	221.0
98	65.9	49.8	74.6

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#22

Diisopropyl ether

Concen: 77.71 ug/l

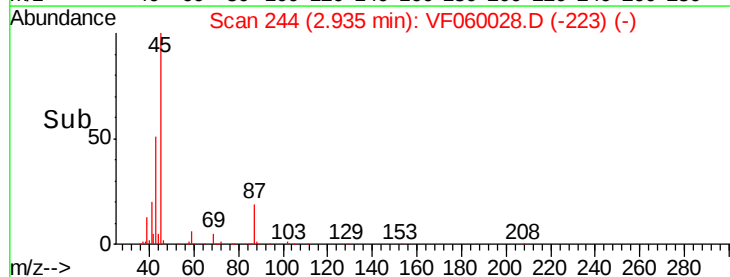
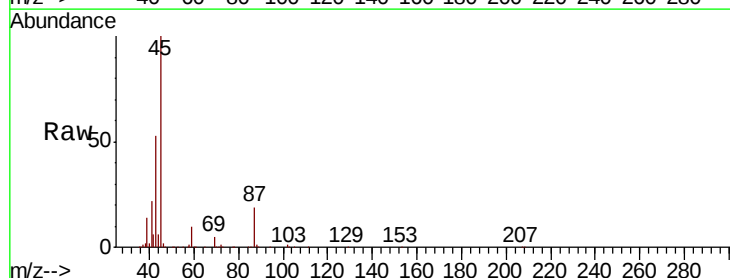
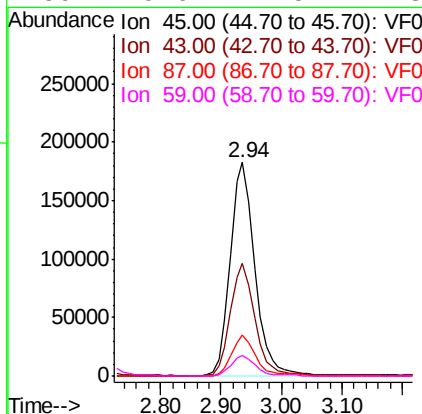
RT: 2.94 min Scan# 244

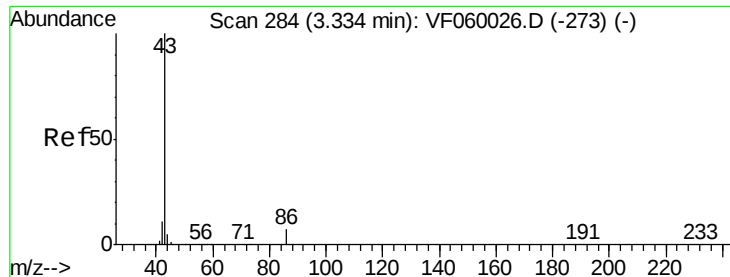
Delta R.T. 0.01 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

Tgt Ion:	45	Resp:	516157
Ion	Ratio	Lower	Upper
45	100		
43	52.5	43.4	65.2
87	19.2	15.4	23.2
59	9.6	7.5	11.3





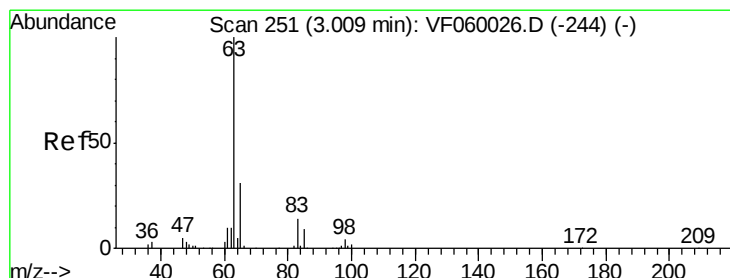
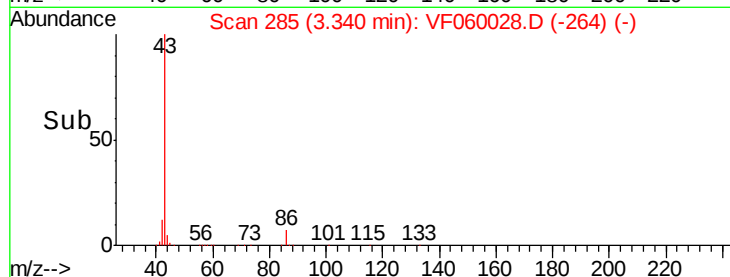
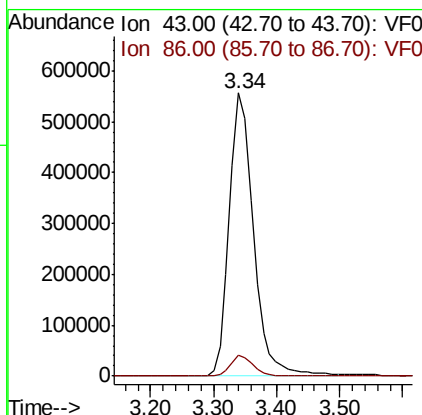
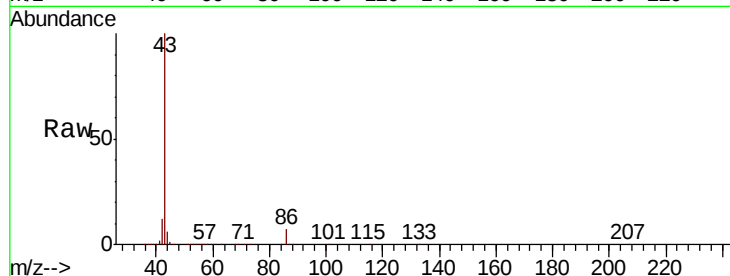
#23
 Vinyl Acetate
 Concen: 535.56 ug/l
 RT: 3.34 min Scan# 285
 Delta R.T. 0.01 min
 Lab File: VF060028.D
 Acq: 21 Aug 2018 19:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 1487014
 Ion Ratio Lower Upper
 43 100
 86 7.3 5.6 8.4

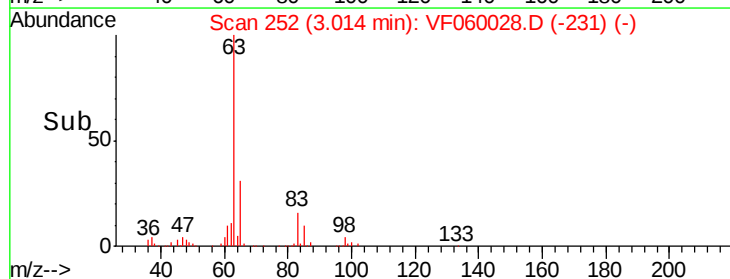
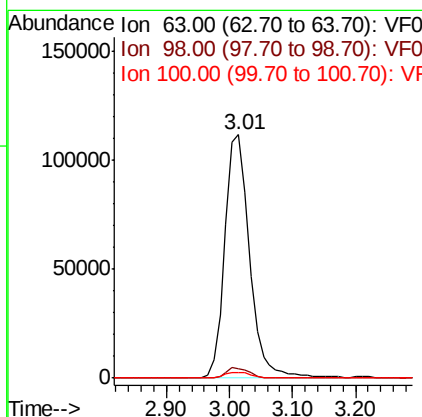
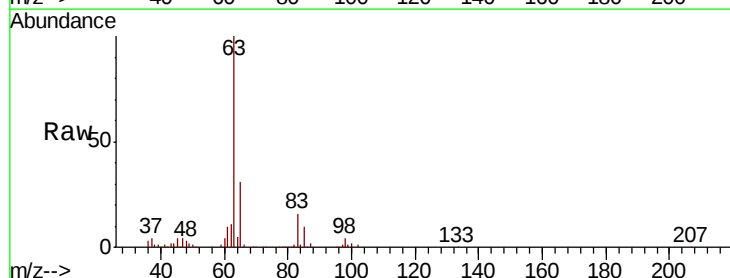
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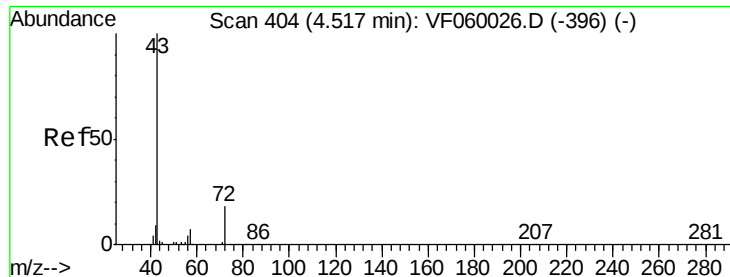
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#24
 1,1-Dichloroethane
 Concen: 71.28 ug/l
 RT: 3.01 min Scan# 252
 Delta R.T. 0.01 min
 Lab File: VF060028.D
 Acq: 21 Aug 2018 19:18

Tgt Ion: 63 Resp: 305708
 Ion Ratio Lower Upper
 63 100
 98 3.8 2.1 6.5
 100 2.3 1.1 3.3





#25

2-Butanone

Concen: 491.60 ug/l

RT: 4.52 min Scan# 405

Delta R.T. 0.01 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 471989

Ion Ratio Lower Upper

43 100

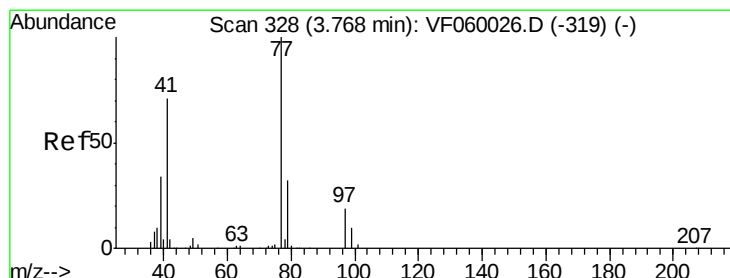
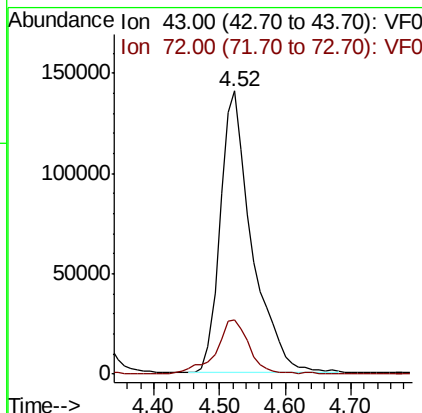
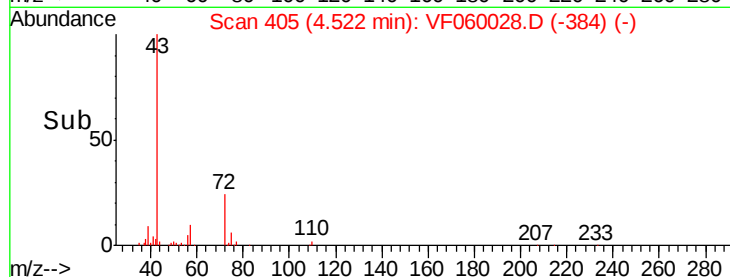
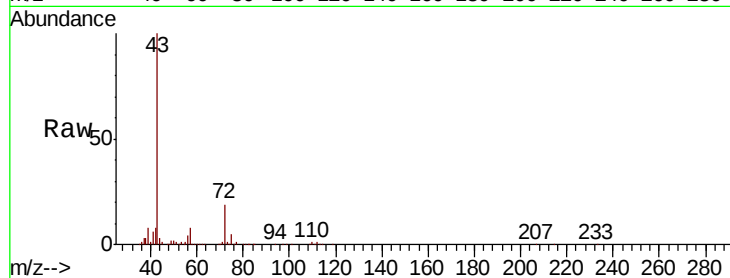
72 19.2 15.0 22.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 85.68 ug/l

RT: 3.77 min Scan# 329

Delta R.T. 0.01 min

Lab File: VF060028.D

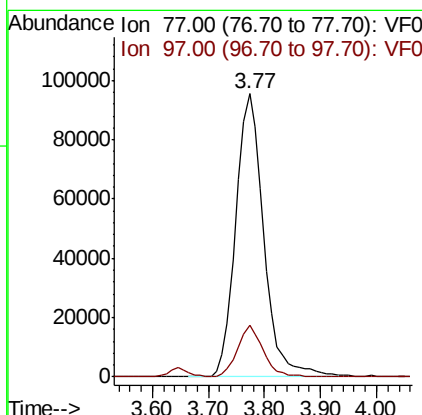
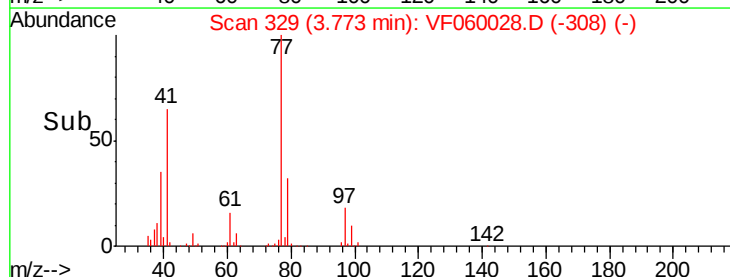
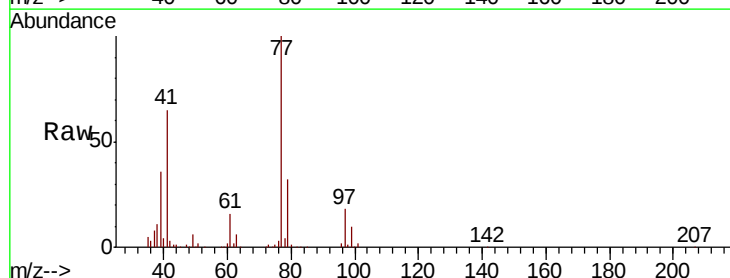
Acq: 21 Aug 2018 19:18

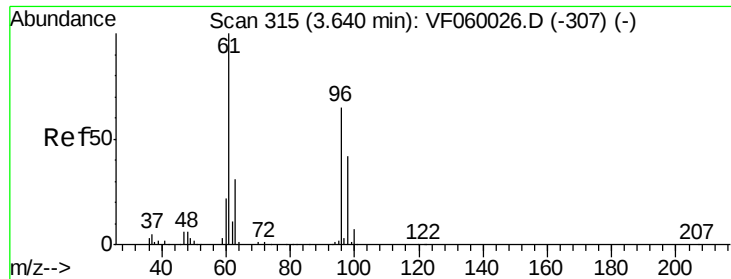
Tgt Ion: 77 Resp: 331777

Ion Ratio Lower Upper

77 100

97 18.4 9.7 29.1





#27

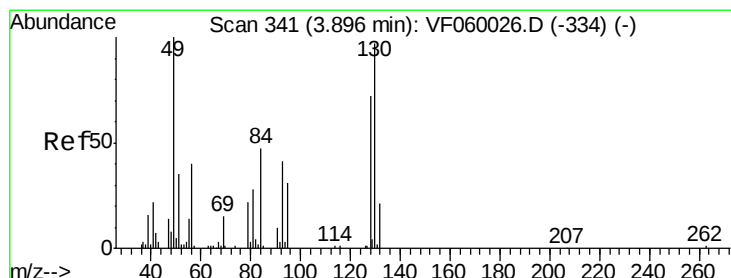
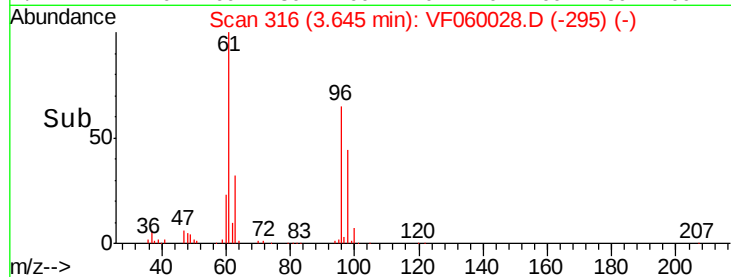
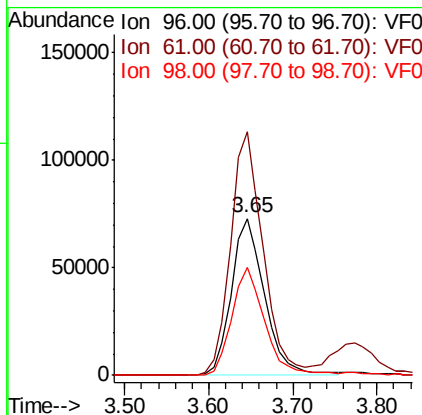
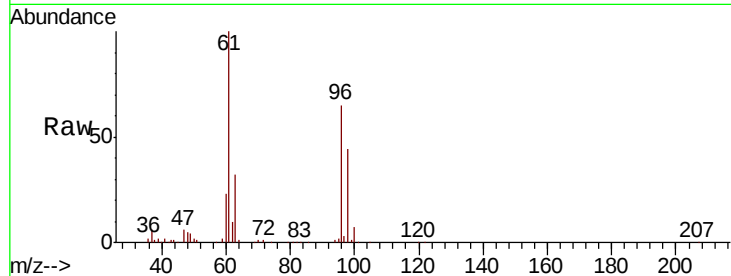
cis-1,2-Dichloroethene
 Concen: 105.65 ug/l
 RT: 3.65 min Scan# 316
 Delta R.T. 0.01 min
 Lab File: VF060028.D
 Acq: 21 Aug 2018 19:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	154.9	0.0	307.6		
98	68.7	0.0	128.4		

Manual Integrations
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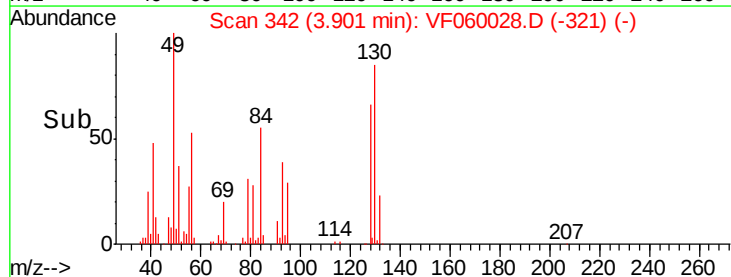
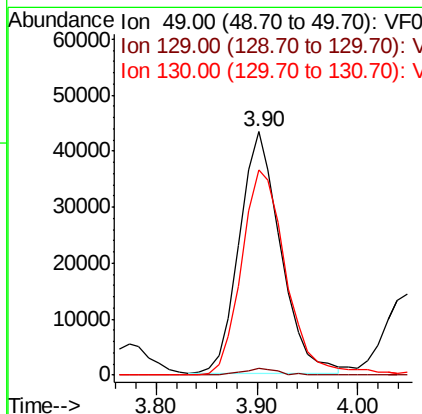
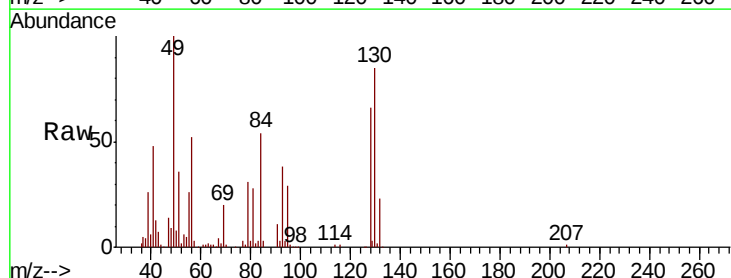
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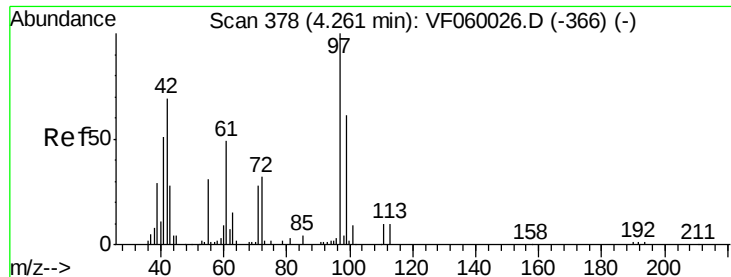


#28

Bromochloromethane
 Concen: 92.32 ug/l
 RT: 3.90 min Scan# 342
 Delta R.T. 0.01 min
 Lab File: VF060028.D
 Acq: 21 Aug 2018 19:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	2.9	0.0	7.4		
130	84.5	78.0	117.0		





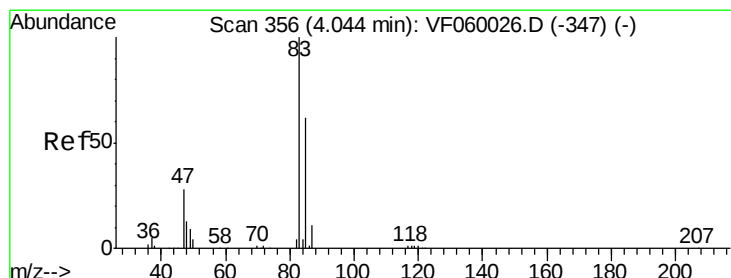
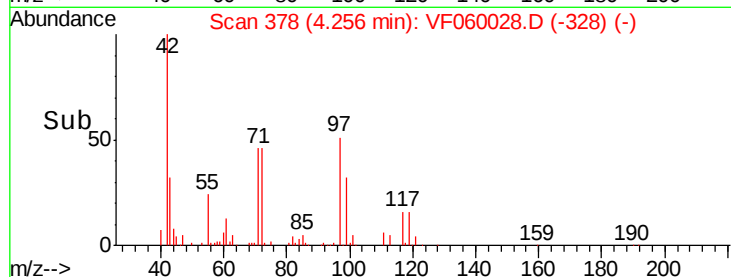
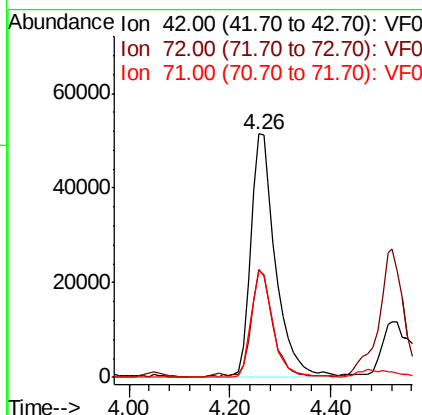
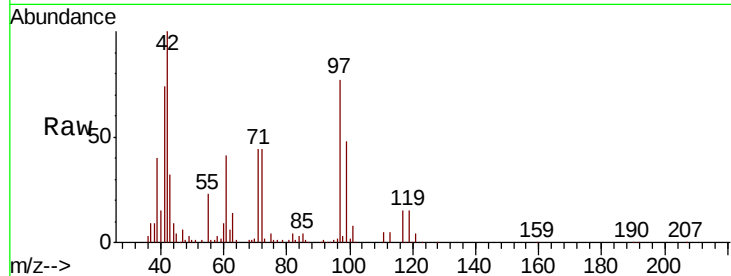
#29
Tetrahydrofuran
Concen: 512.48 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.00 min
Lab File: VF060028.D
Acq: 21 Aug 2018 19:18

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
42	100	176518		
72	38.3		31.4	47.2
71	39.1		29.7	44.5

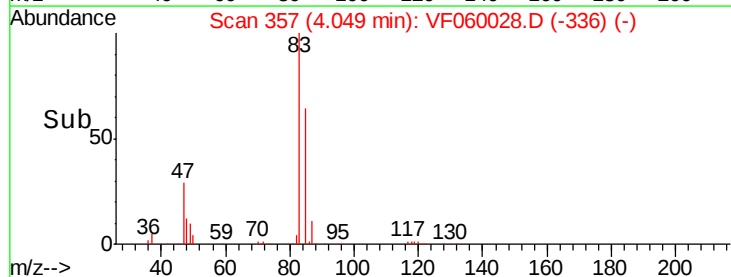
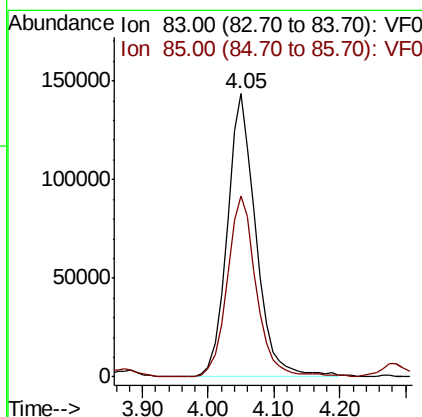
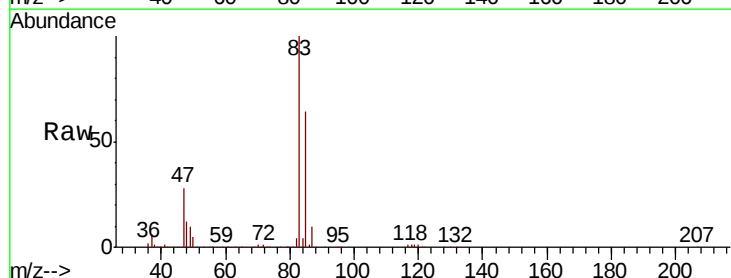
Manual Integrations
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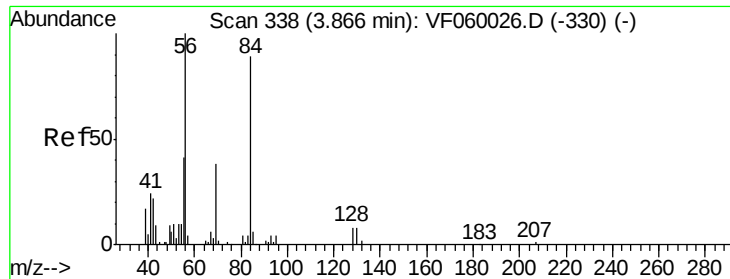
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#30
Chloroform
Concen: 84.79 ug/l
RT: 4.05 min Scan# 357
Delta R.T. 0.01 min
Lab File: VF060028.D
Acq: 21 Aug 2018 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	436346		
85	64.0		49.5	74.3





#31

Cyclohexane

Concen: 104.91 ug/l

RT: 3.87 min Scan# 339

Delta R.T. 0.01 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

Instrument :

MSVOA_F

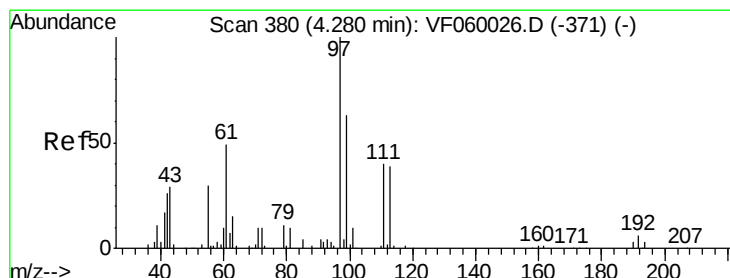
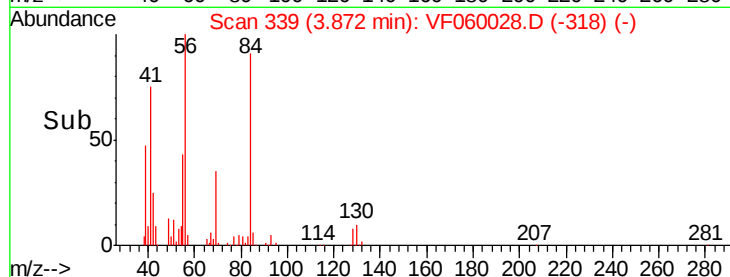
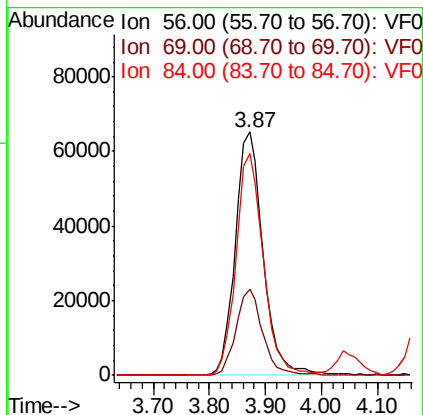
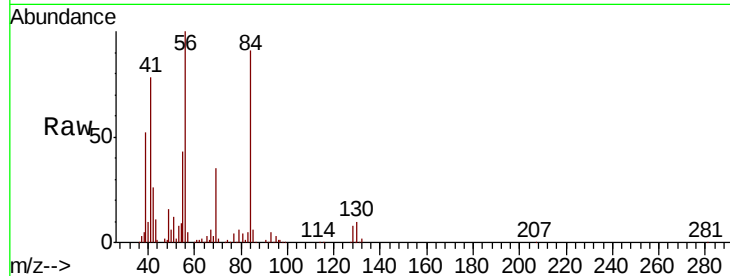
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	224835
Ion	Ratio	Lower	Upper
56	100		
69	35.4	30.4	45.6
84	91.3	71.4	107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 75.52 ug/l

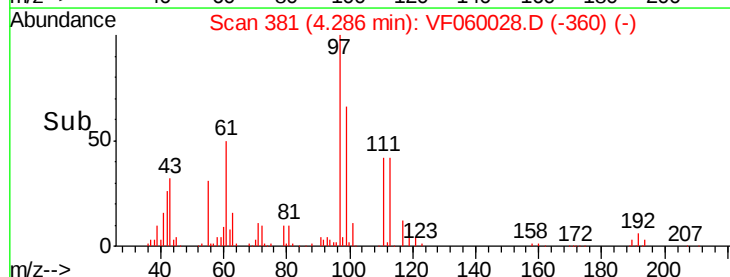
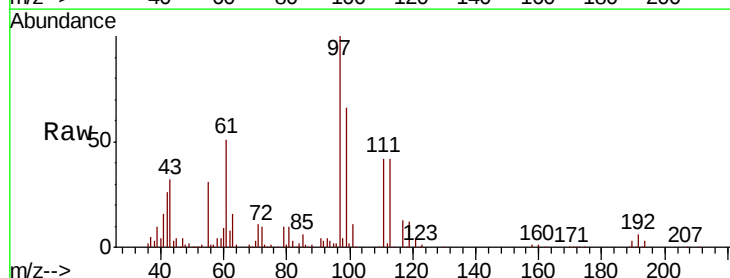
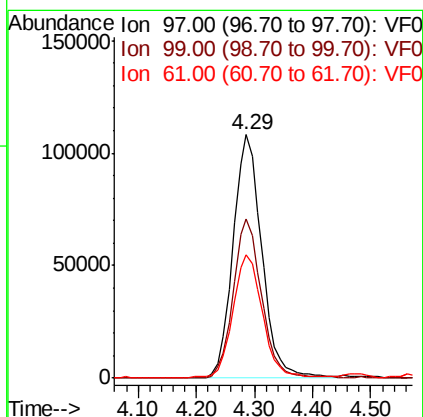
RT: 4.29 min Scan# 381

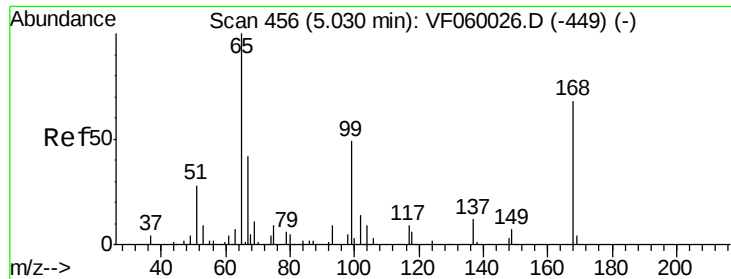
Delta R.T. 0.01 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

Tgt Ion:	97	Resp:	371136
Ion	Ratio	Lower	Upper
97	100		
99	65.6	50.3	75.5
61	50.7	40.3	60.5





#33

1,2-Dichloroethane-d4

Concen: 75.78 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 283431

Ion Ratio Lower Upper

65 100

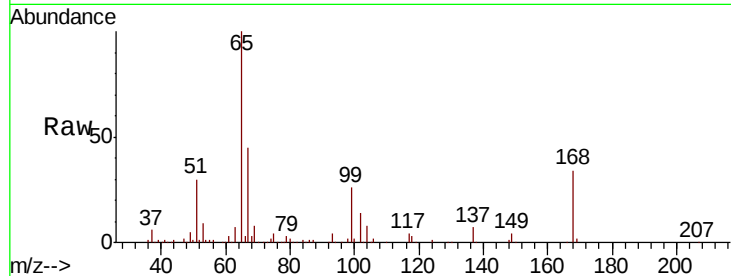
67 44.7 0.0 92.0

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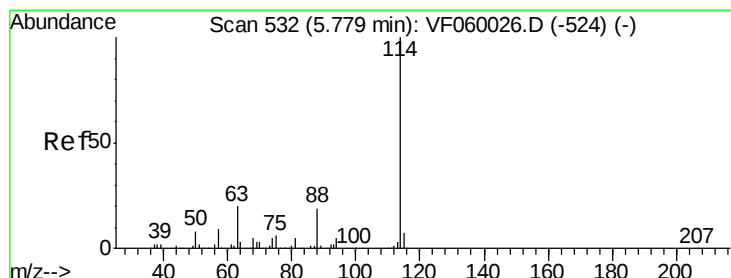
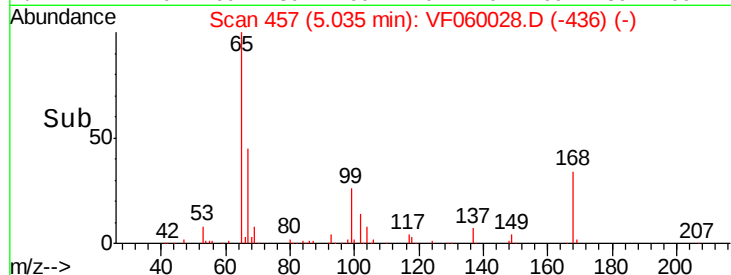
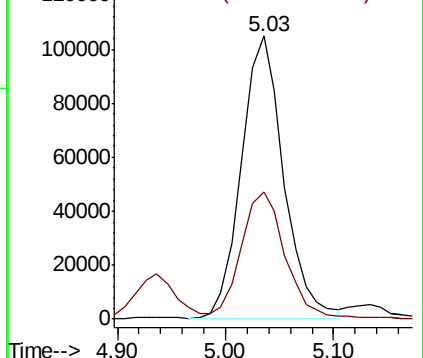
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.78 min Scan# 533

Delta R.T. 0.01 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

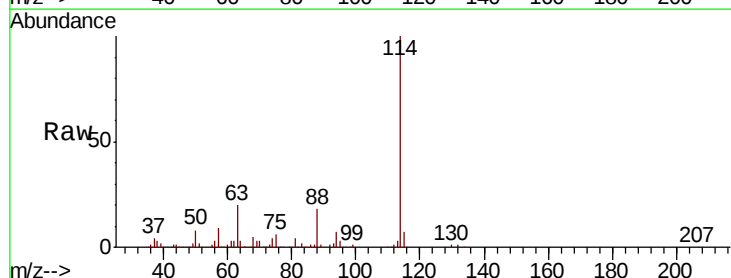
Tgt Ion: 114 Resp: 332256

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.4

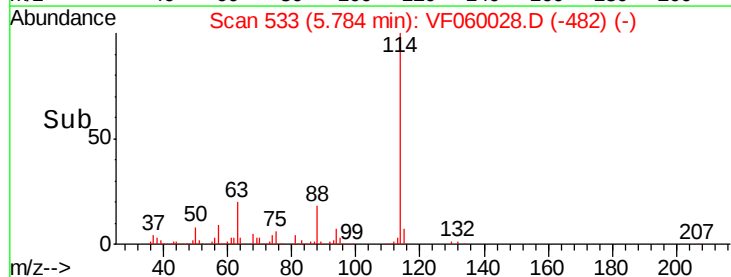
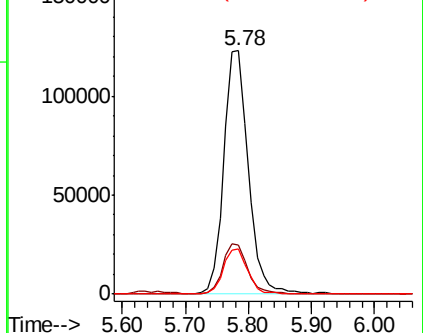
88 18.4 0.0 38.6

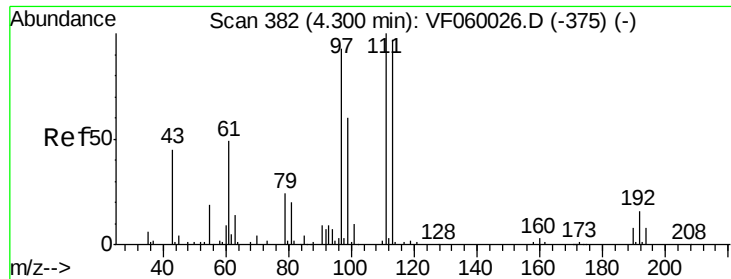


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 75.90 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.01 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

Instrument :

MSVOA_F

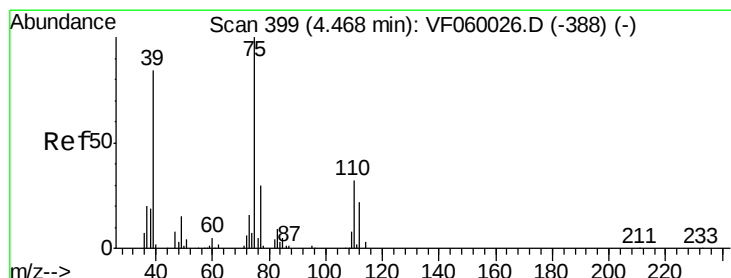
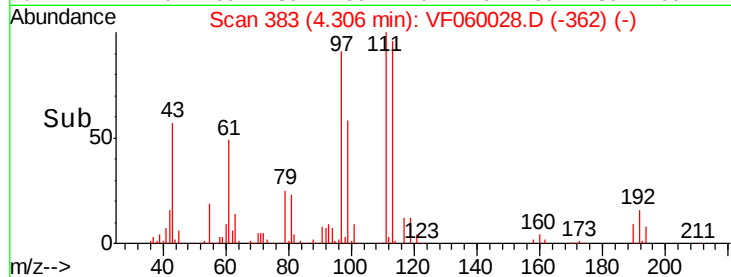
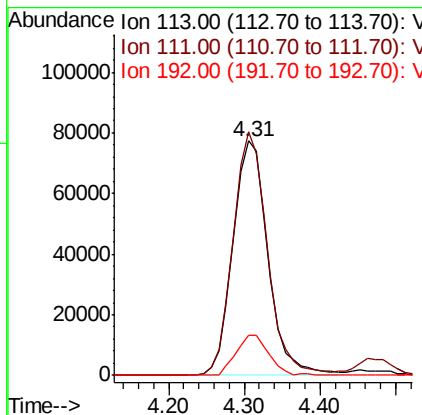
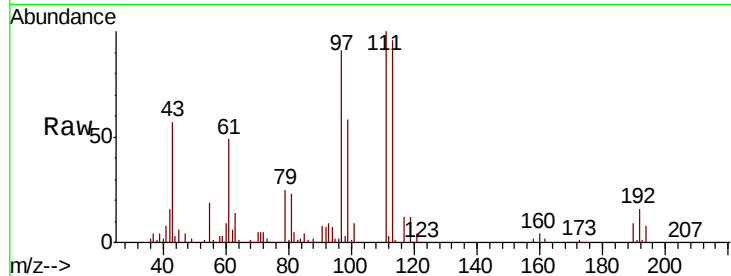
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.7	124.1
192	17.1	13.0	19.4

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#36

1,1-Dichloropropene

Concen: 76.91 ug/l

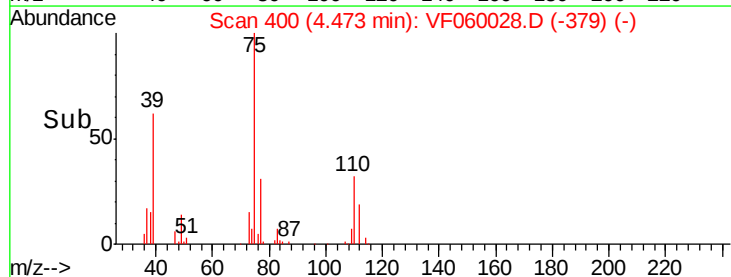
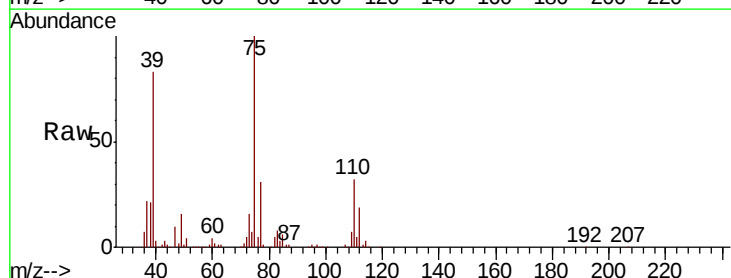
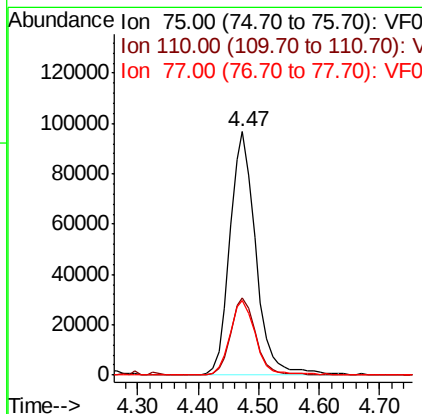
RT: 4.47 min Scan# 400

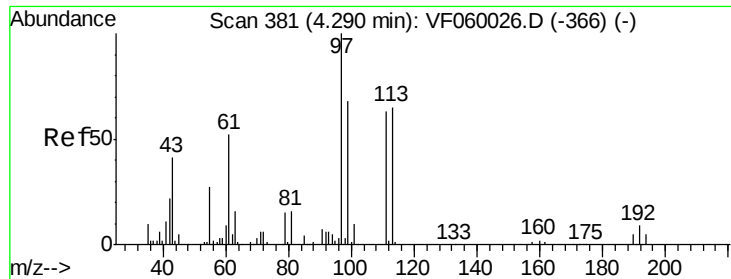
Delta R.T. 0.01 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.0	16.0	47.9
77	30.5	24.1	36.1





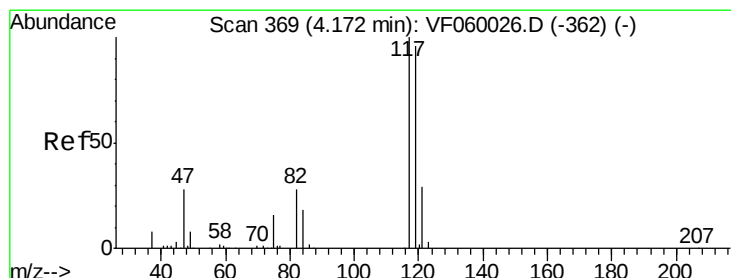
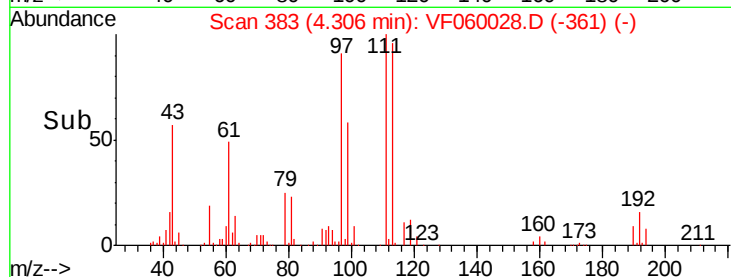
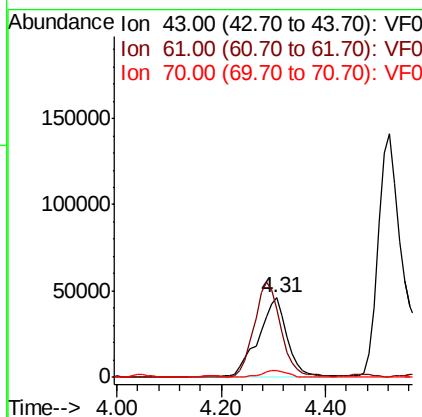
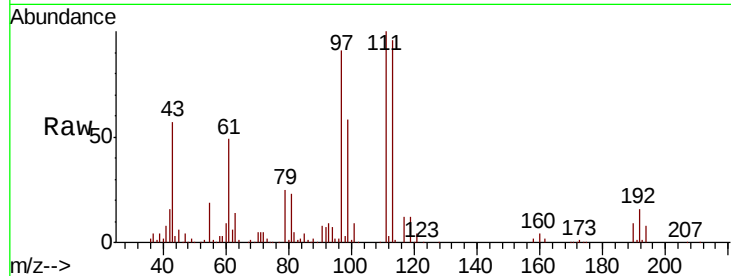
#37
Ethyl Acetate
Concen: 86.54 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.02 min
Lab File: VF060028.D
Acq: 21 Aug 2018 19:18

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	85.9	101.5	152.3#
70	9.0	6.4	9.6

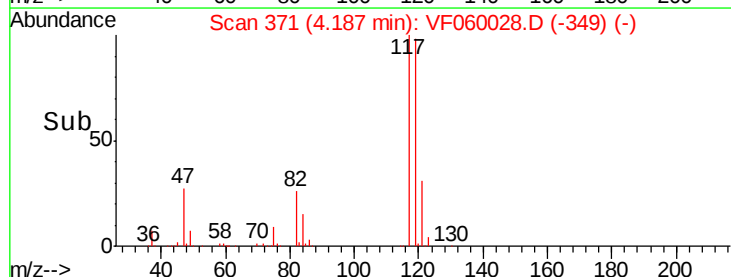
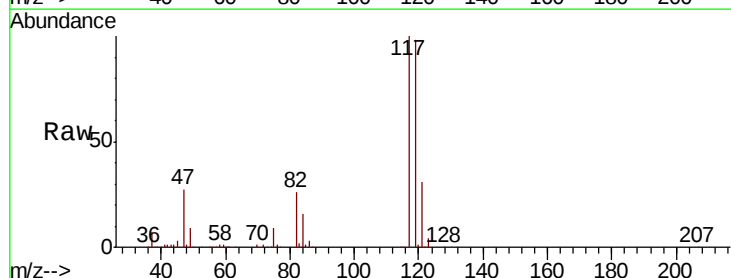
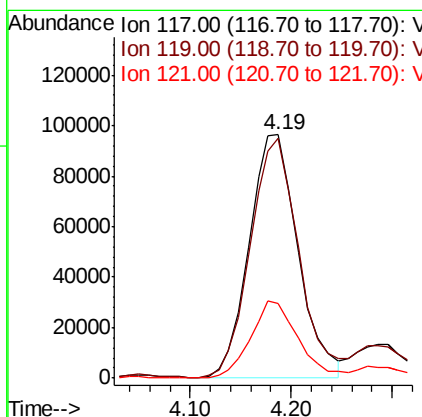
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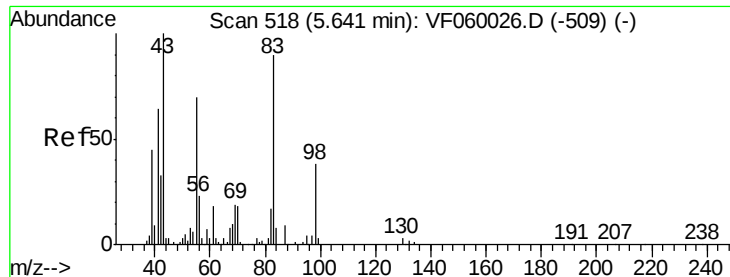
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#38
Carbon Tetrachloride
Concen: 63.07 ug/l
RT: 4.19 min Scan# 371
Delta R.T. 0.02 min
Lab File: VF060028.D
Acq: 21 Aug 2018 19:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.4	76.5	114.7
121	30.8	23.0	34.6





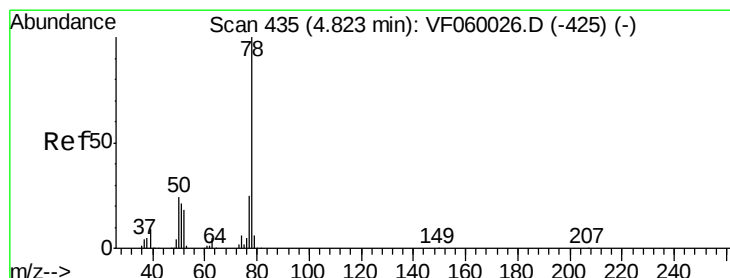
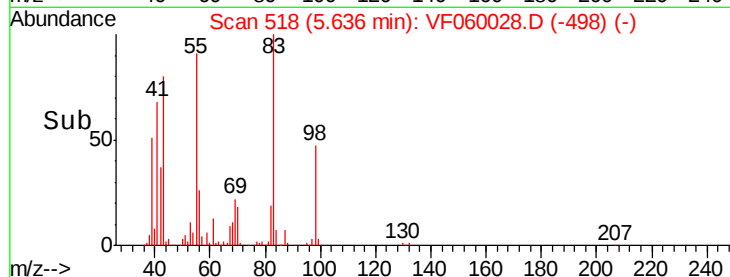
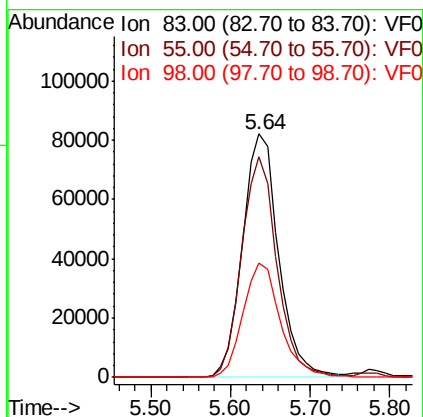
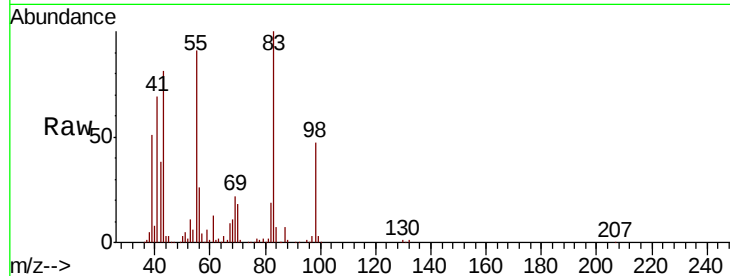
#39
Methvlcvclohexane
Concen: 90.03 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.00 min
Lab File: VF060028.D
Acq: 21 Aug 2018 19:18

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.8	62.7	94.1
98	46.8	33.8	50.8

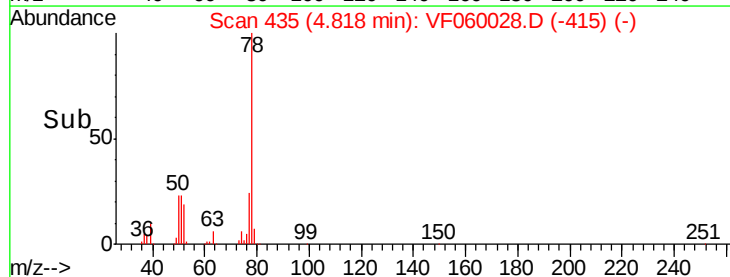
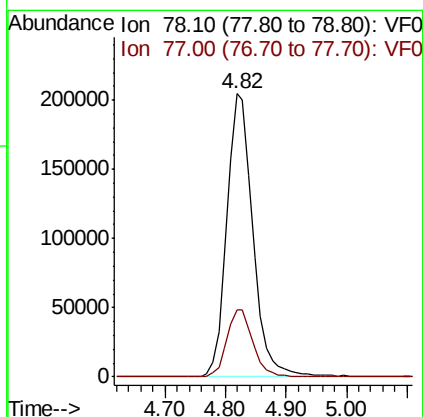
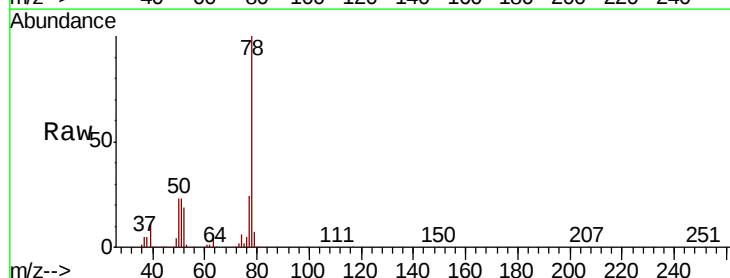
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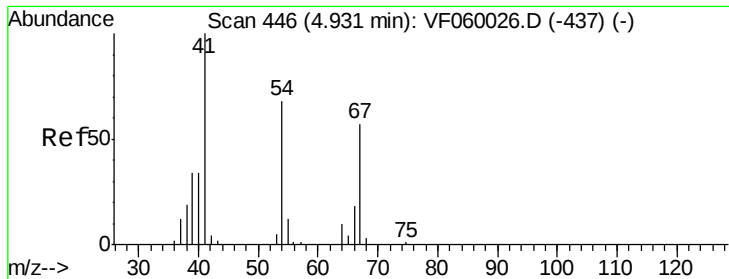
apatel
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#40
Benzene
Concen: 95.48 ug/l
RT: 4.82 min Scan# 435
Delta R.T. -0.00 min
Lab File: VF060028.D
Acq: 21 Aug 2018 19:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.8	29.6





#41

Methacrylonitrile

Concen: 90.08 ug/l

RT: 4.94 min Scan# 447

Delta R.T. 0.01 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

Instrument :

MSVOA_F

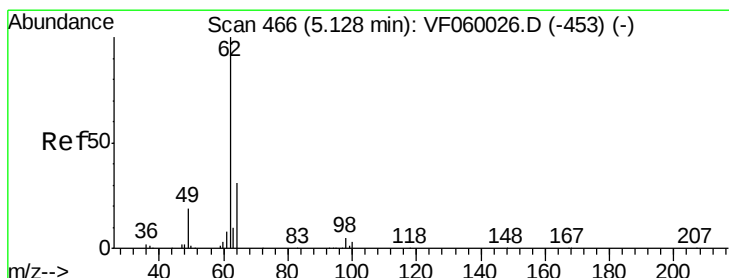
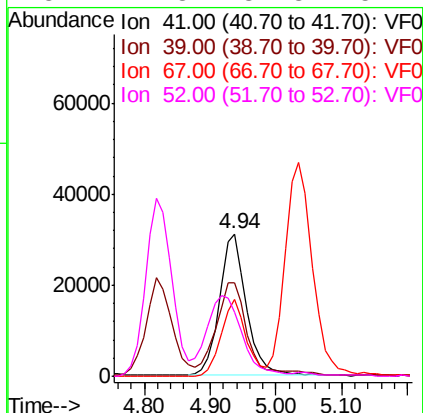
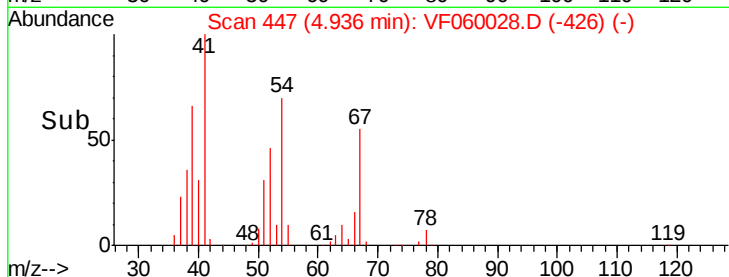
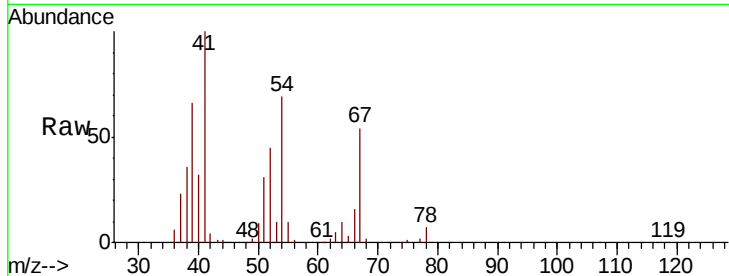
ClientSampleId :

VSTDIC100

Tot Ion:	41	Resp:	88852
Ion Ratio	Lower	Upper	
41	100		
39	65.7	52.9	79.3
67	54.3	45.3	67.9
52	44.8	34.8	52.2

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 66.74 ug/l

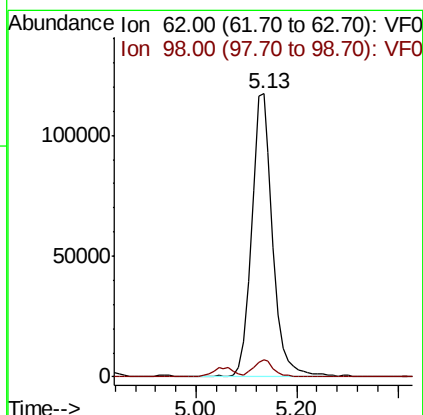
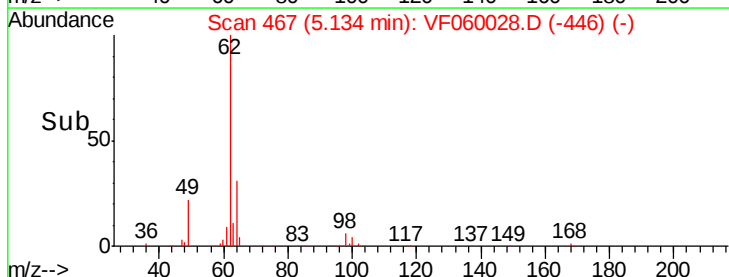
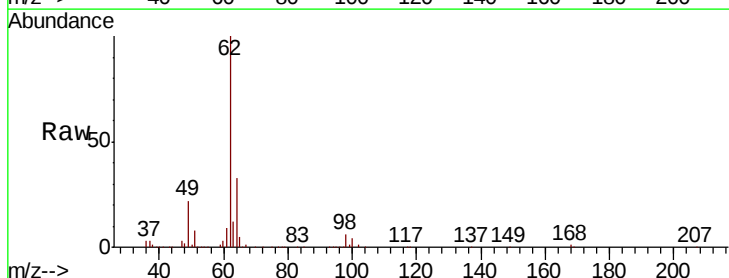
RT: 5.13 min Scan# 467

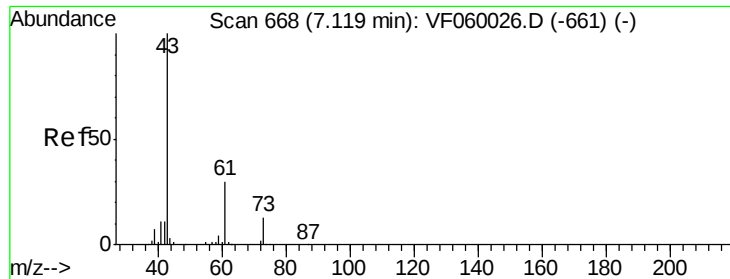
Delta R.T. 0.01 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

Tgt Ion:	62	Resp:	342796
Ion Ratio	Lower	Upper	
62	100		
98	6.2	0.0	11.2





#43

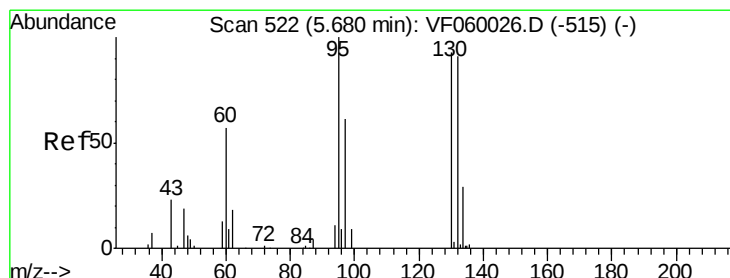
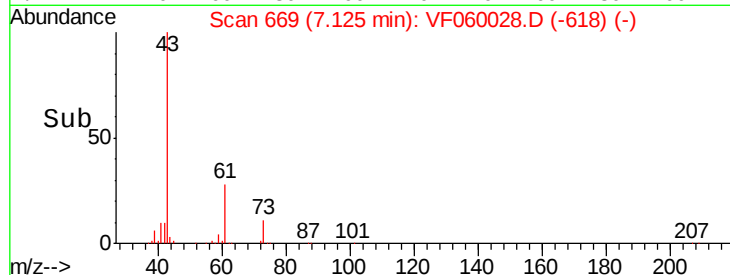
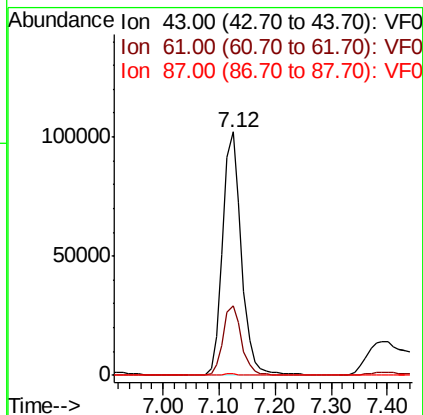
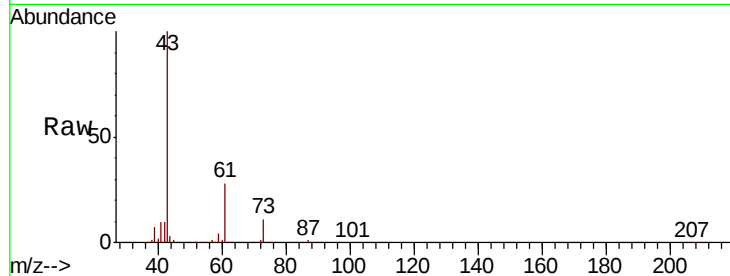
Isopropyl Acetate
 Concen: 102.69 ug/l
 RT: 7.12 min Scan# 669
 Delta R.T. 0.01 min
 Lab File: VF060028.D
 Acq: 21 Aug 2018 19:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.3	23.8	35.6
87	0.5	0.2	0.4

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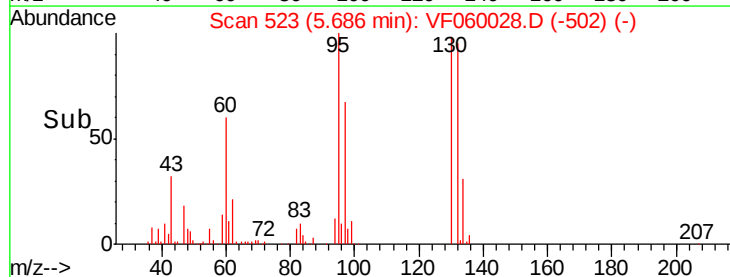
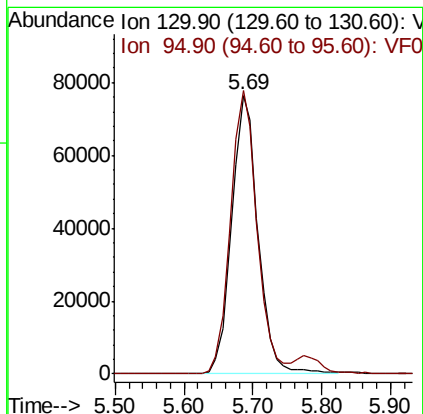
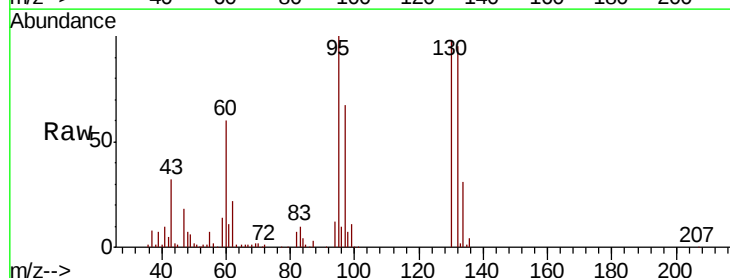
apatel
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#44

Trichloroethene
 Concen: 82.78 ug/l
 RT: 5.69 min Scan# 523
 Delta R.T. 0.01 min
 Lab File: VF060028.D
 Acq: 21 Aug 2018 19:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.6	0.0	215.8





#45

1,2-Dichloropropane

Concen: 100.00 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.01 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 184758

Ion Ratio Lower Upper

63 100

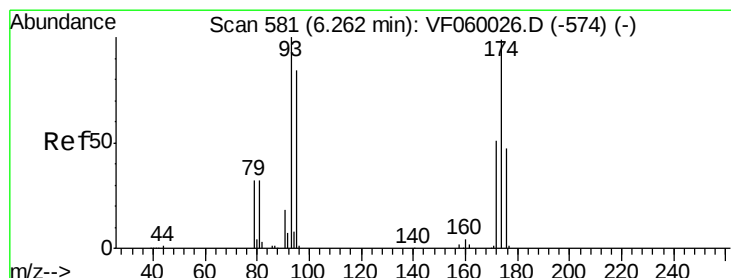
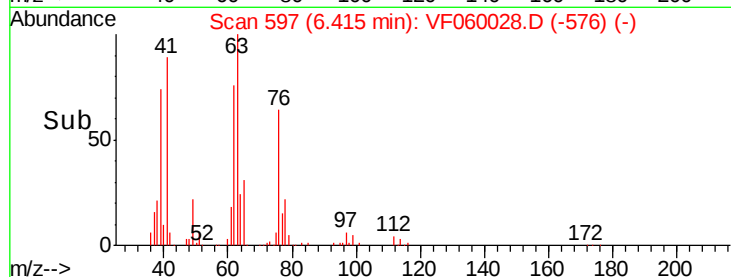
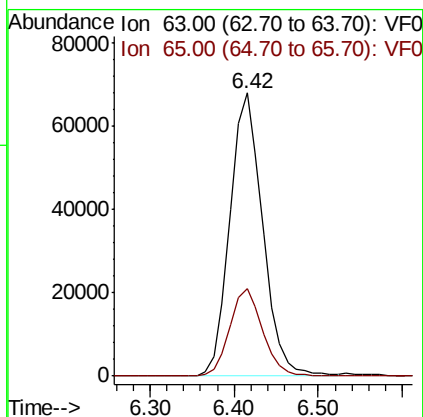
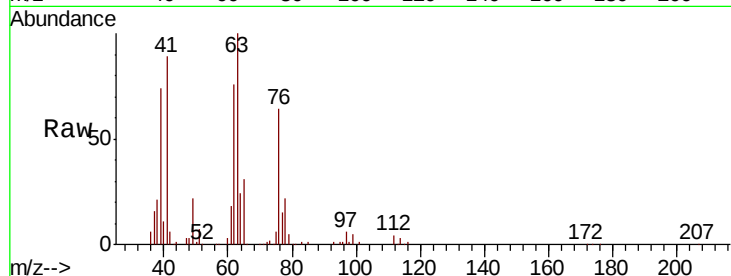
65 30.8 23.8 35.6

Manual Integrations

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#46

Dibromomethane

Concen: 82.50 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.01 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

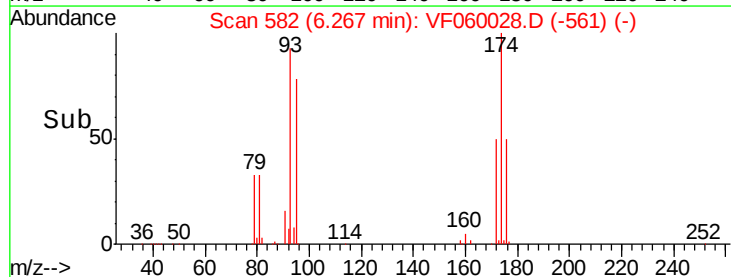
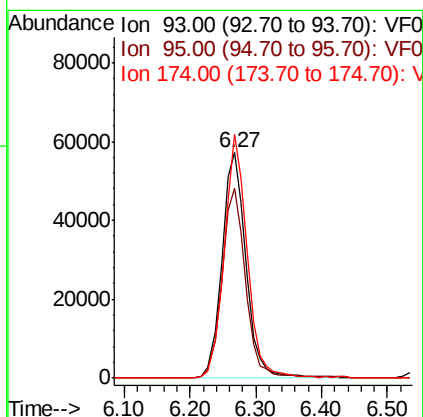
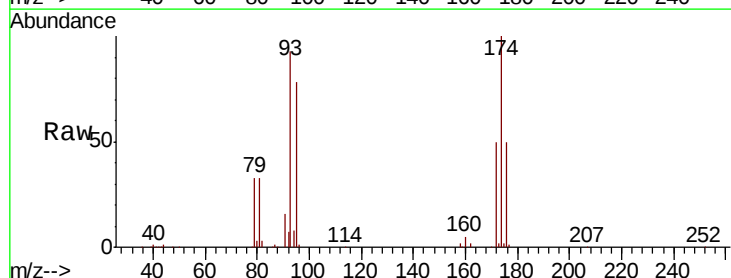
Tgt Ion: 93 Resp: 145949

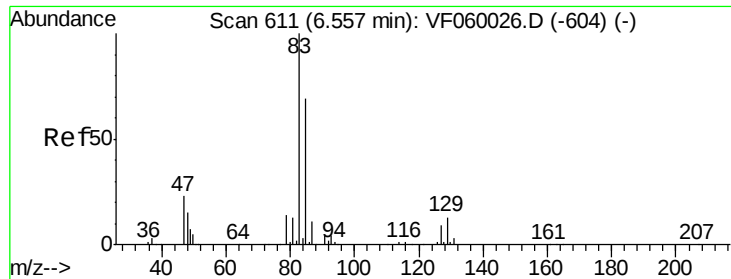
Ion Ratio Lower Upper

93 100

95 84.0 67.1 100.7

174 108.0 79.0 118.4





#47

Bromodichloromethane

Concen: 75.93 ug/l

RT: 6.56 min Scan# 612

Delta R.T. 0.01 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

Instrument :

MSVOA_F

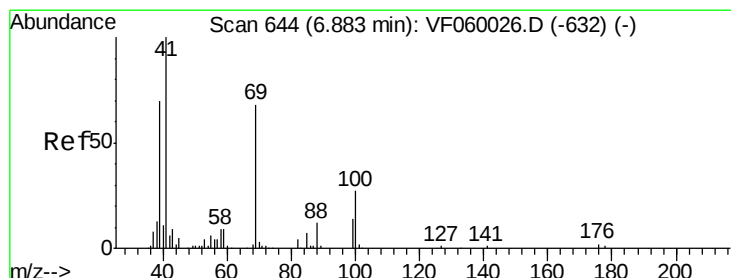
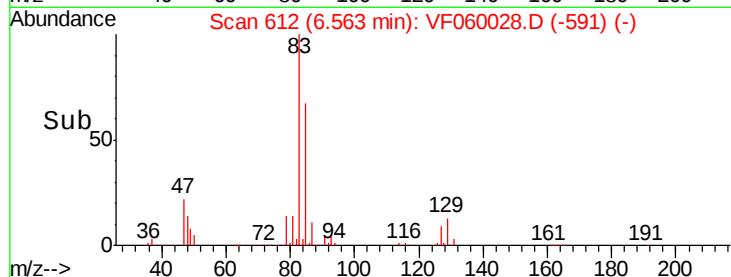
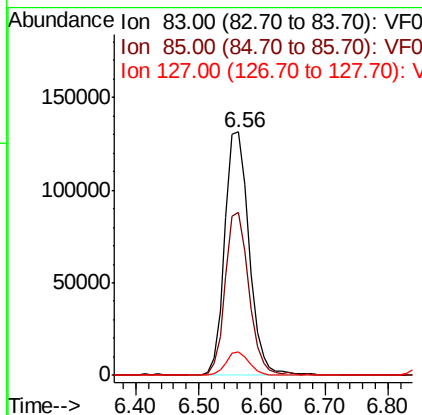
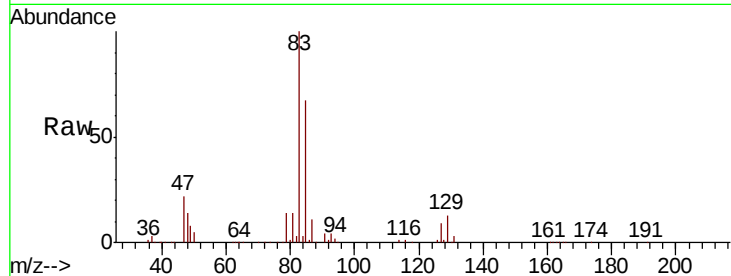
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	353848
Ion Ratio	Lower	Upper	
83	100		
85	67.1	55.2	82.8
127	9.5	7.3	10.9

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#48

Methyl methacrylate

Concen: 92.41 ug/l

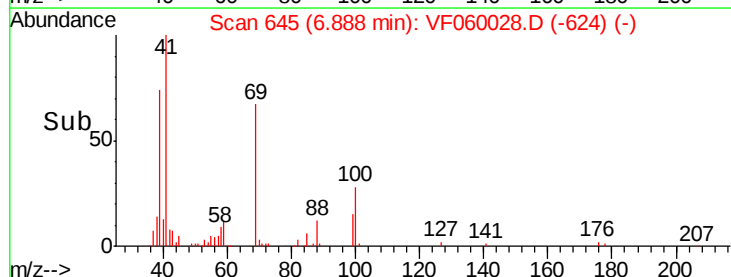
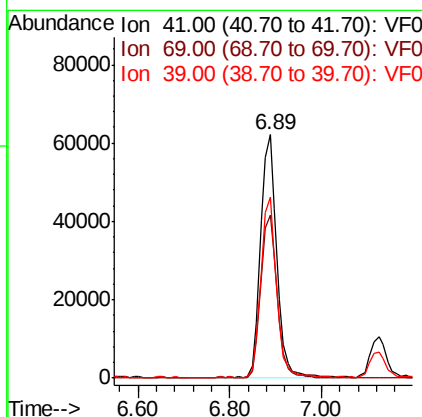
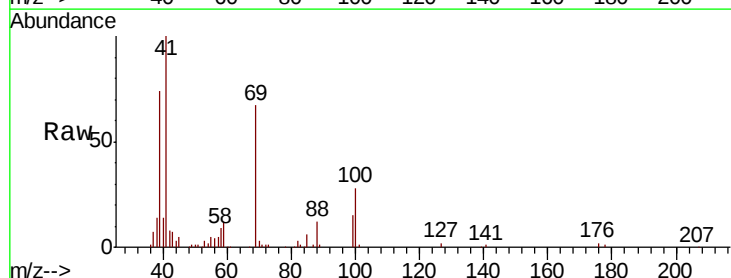
RT: 6.89 min Scan# 645

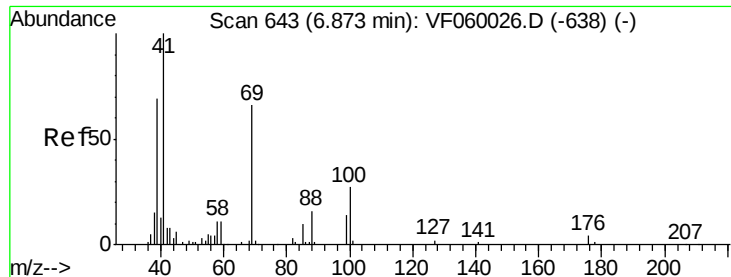
Delta R.T. 0.01 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

Tgt Ion:	41	Resp:	155544
Ion Ratio	Lower	Upper	
41	100		
69	66.7	54.6	81.8
39	74.1	56.5	84.7





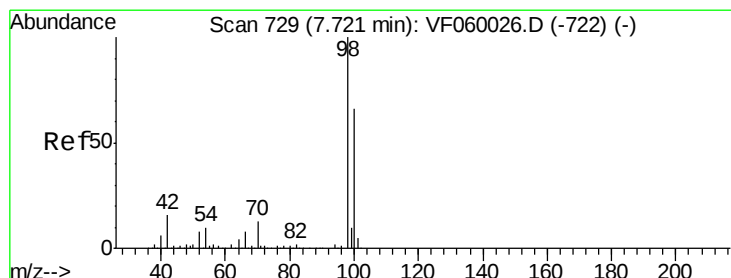
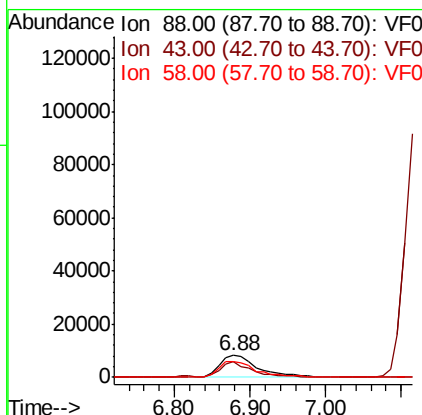
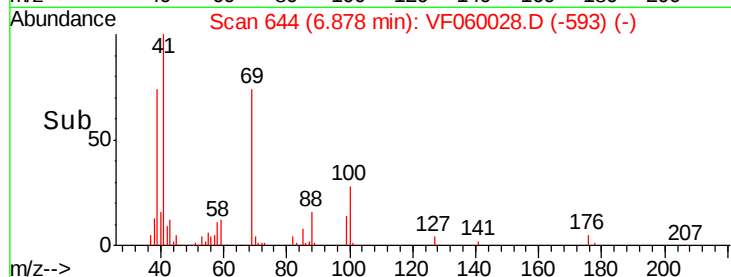
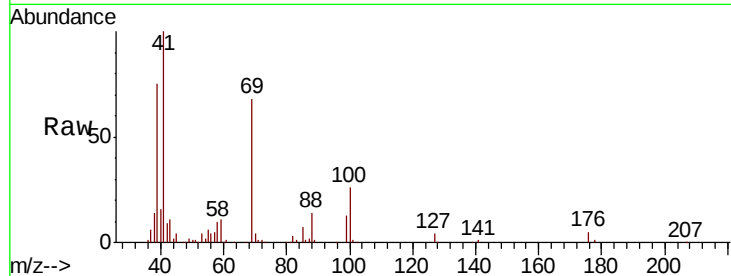
#49
1,4-Dioxane
Concen: 2186.16 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.01 min
Lab File: VF060028.D
Acq: 21 Aug 2018 19:18

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	75.7	46.5	69.7#
58	71.2	54.8	82.2

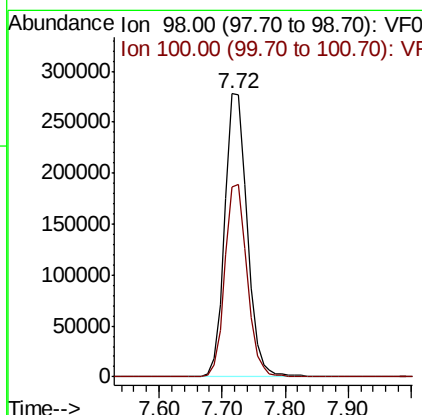
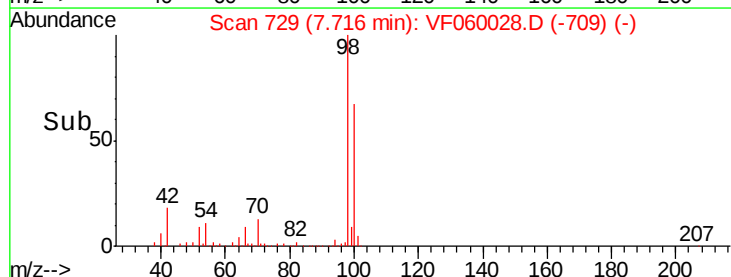
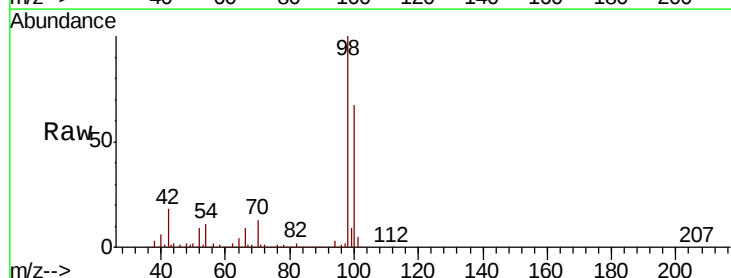
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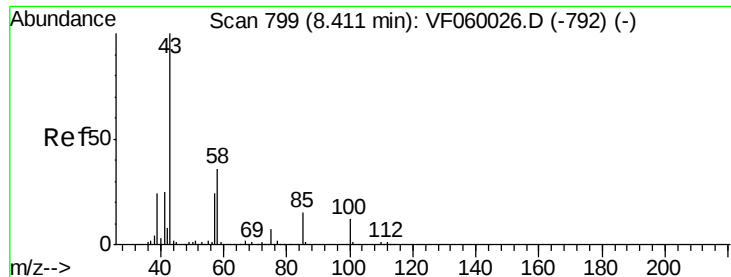
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#50
Toluene-d8
Concen: 92.20 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.00 min
Lab File: VF060028.D
Acq: 21 Aug 2018 19:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.2	79.8





#51

4-Methyl-2-Pentanone

Concen: 440.94 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 940995

Ion Ratio Lower Upper

43 100

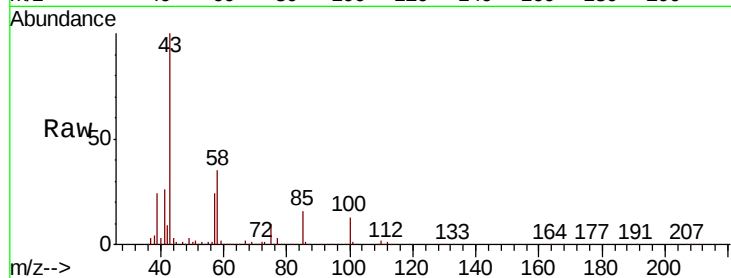
58 35.0 28.6 42.8

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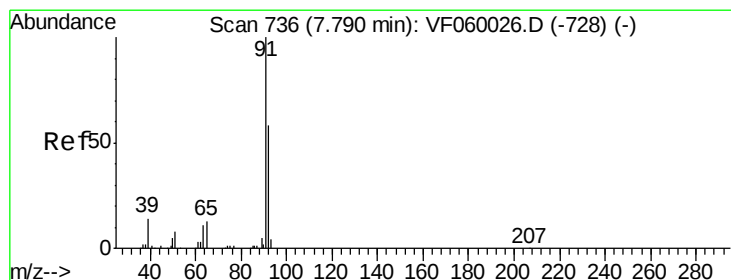
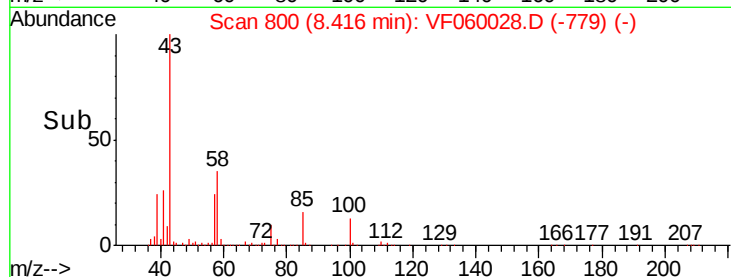
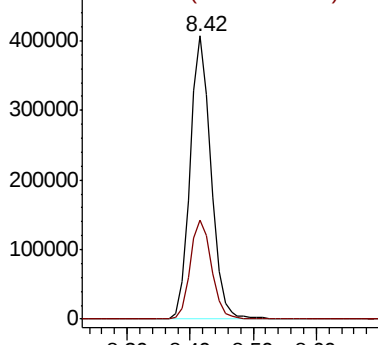
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 87.41 ug/l

RT: 7.79 min Scan# 737

Delta R.T. 0.01 min

Lab File: VF060028.D

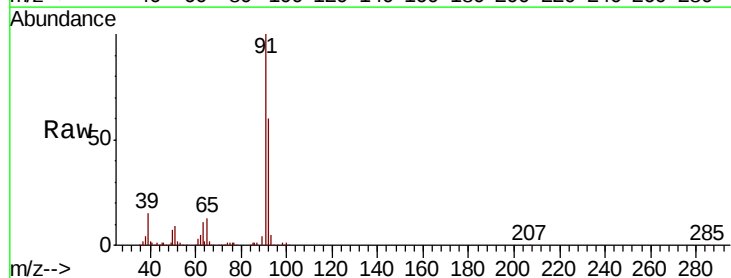
Acq: 21 Aug 2018 19:18

Tgt Ion: 92 Resp: 418340

Ion Ratio Lower Upper

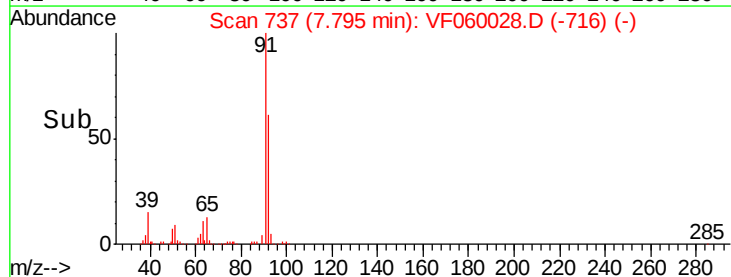
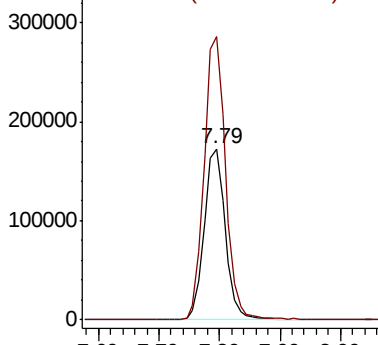
92 100

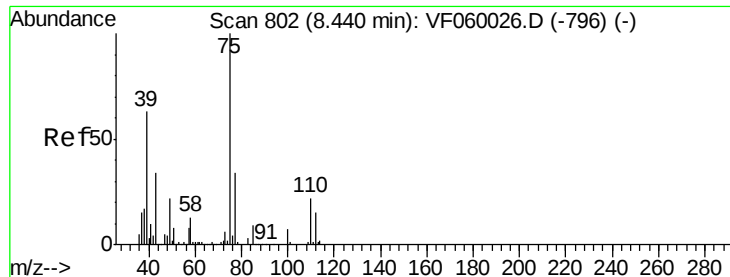
91 165.4 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 79.32 ug/l

RT: 8.44 min Scan# 802

Delta R.T. -0.00 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 314477

Ion Ratio Lower Upper

75 100

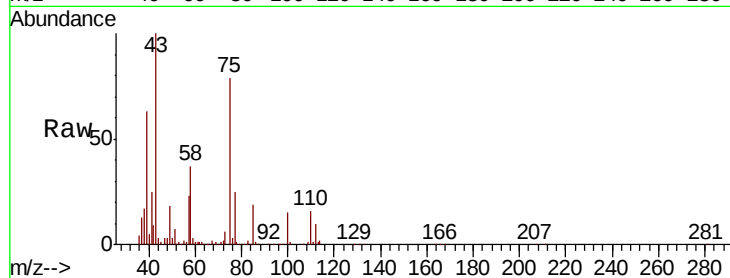
77 31.3 27.4 41.2

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.44

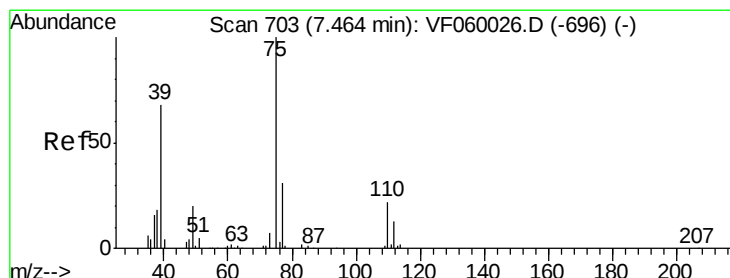
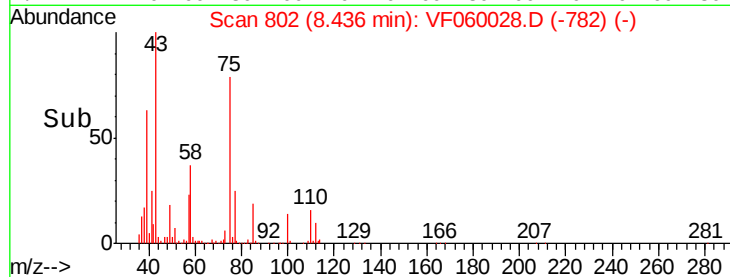
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 90.53 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.01 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

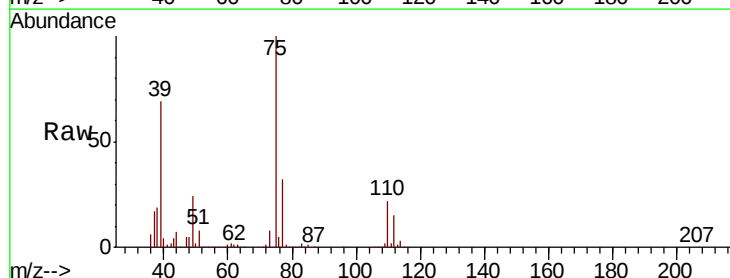
Tgt Ion: 75 Resp: 354725

Ion Ratio Lower Upper

75 100

77 32.3 24.6 37.0

39 68.8 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

200000

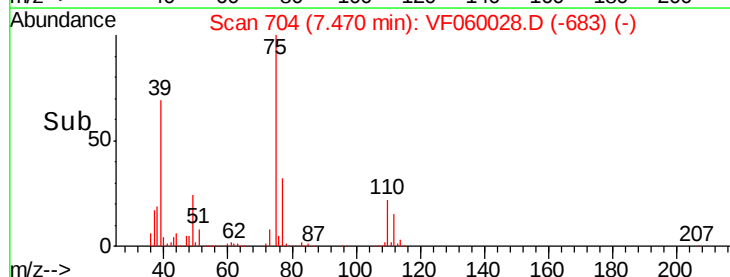
150000

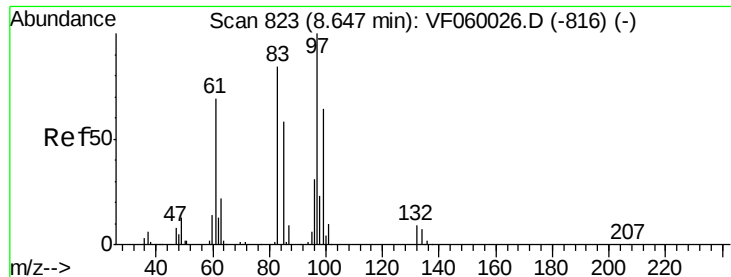
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 95.57 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.01 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

Instrument :

MSVOA_F

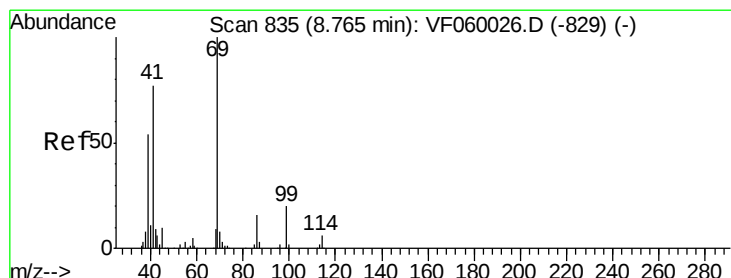
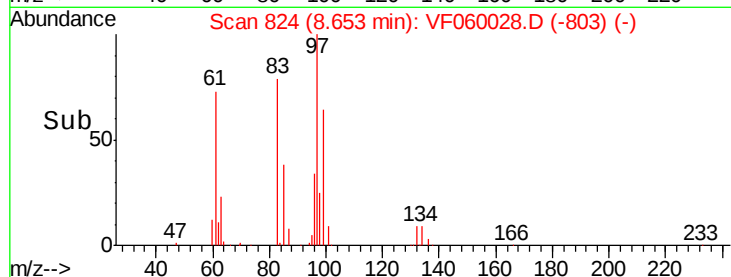
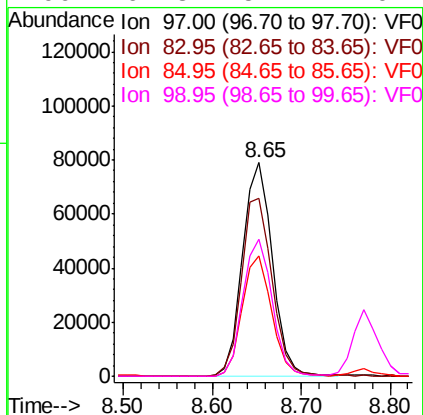
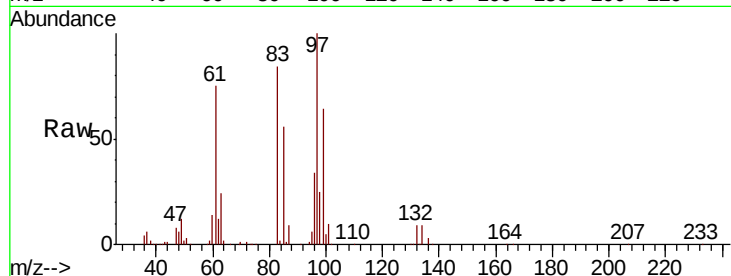
ClientSampleId :

VSTDIC100

Tot Ion:	97	Resp:	182847
Ion	Ratio	Lower	Upper
97	100		
83	83.6	67.4	101.2
85	56.3	46.2	69.2
99	64.3	51.1	76.7

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#56

Ethyl methacrylate

Concen: 101.71 ug/l

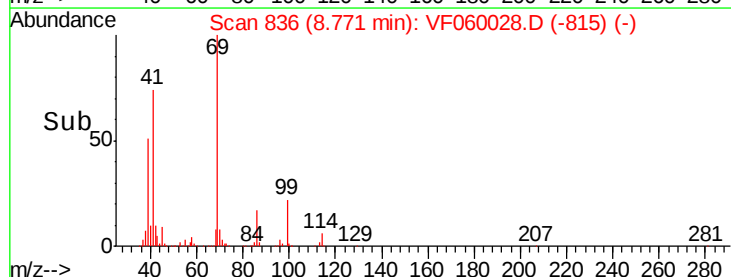
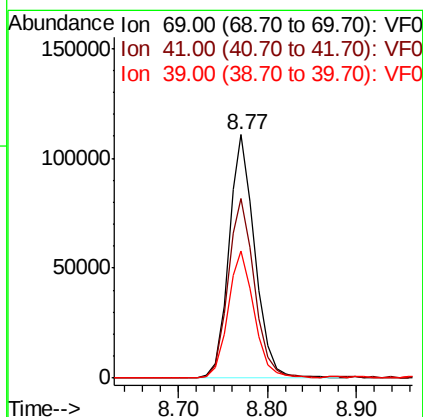
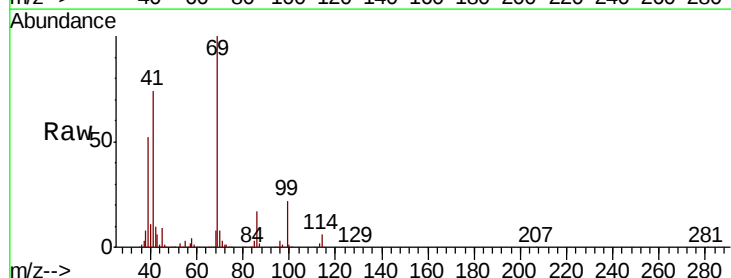
RT: 8.77 min Scan# 836

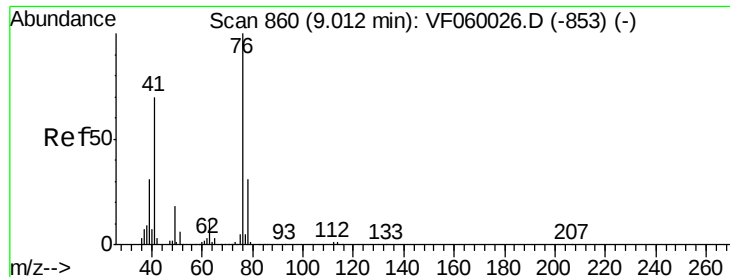
Delta R.T. 0.01 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

Tgt Ion:	69	Resp:	226569
Ion	Ratio	Lower	Upper
69	100		
41	74.0	61.6	92.4
39	52.0	43.9	65.9





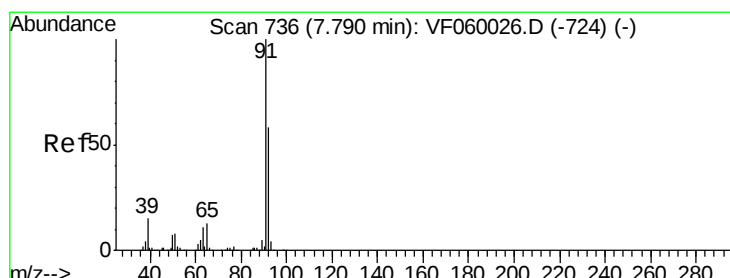
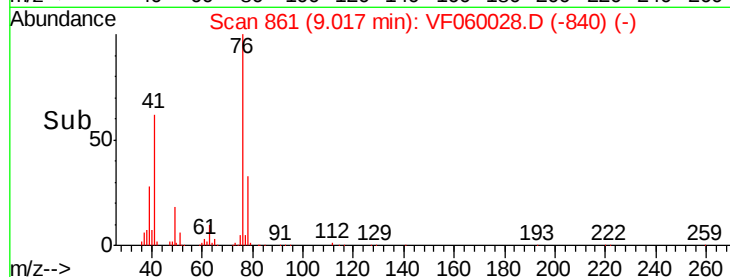
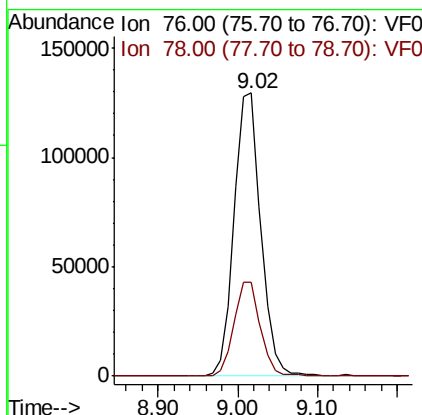
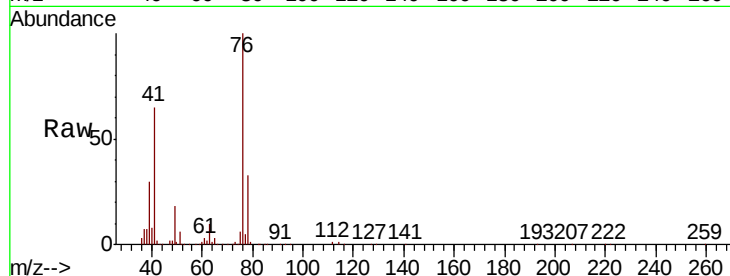
#57
 1,3-Dichloropropane
 Concen: 88.87 ug/l
 RT: 9.02 min Scan# 861
 Delta R.T. 0.01 min
 Lab File: VF060028.D
 Acq: 21 Aug 2018 19:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	25.2	37.8

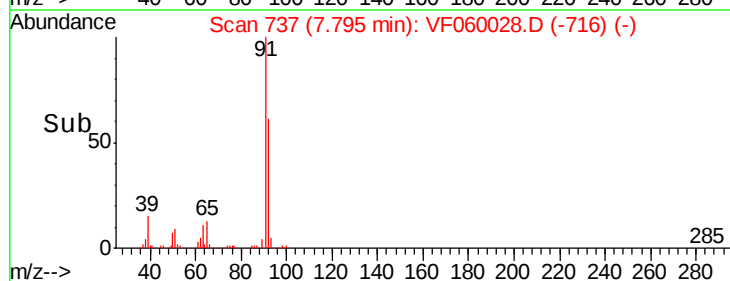
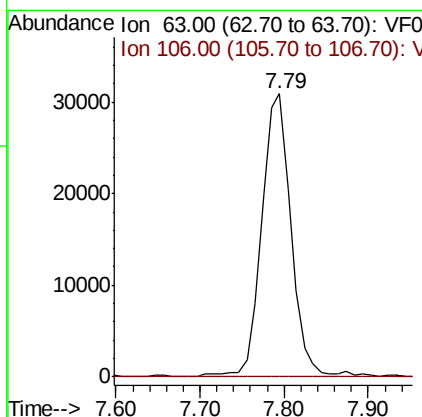
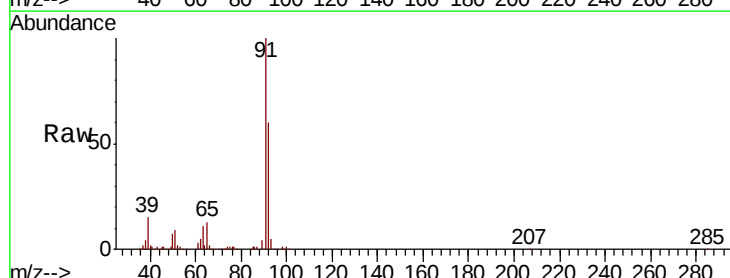
Manual Integrations
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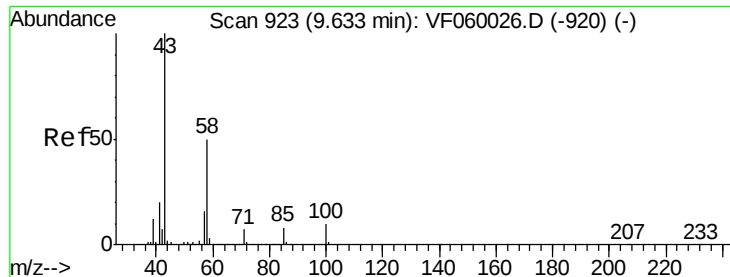
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 427.93 ug/l
 RT: 7.79 min Scan# 737
 Delta R.T. 0.01 min
 Lab File: VF060028.D
 Acq: 21 Aug 2018 19:18

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





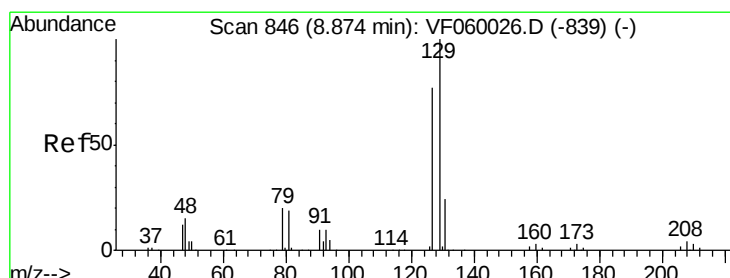
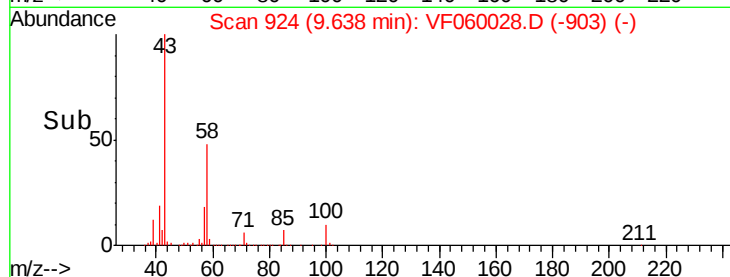
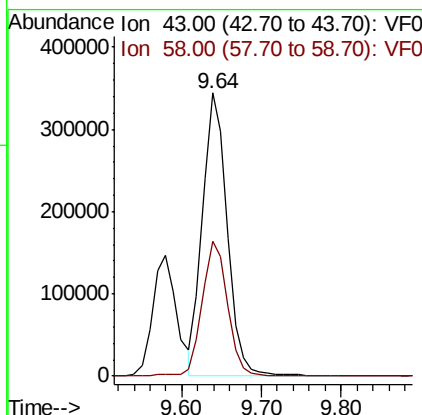
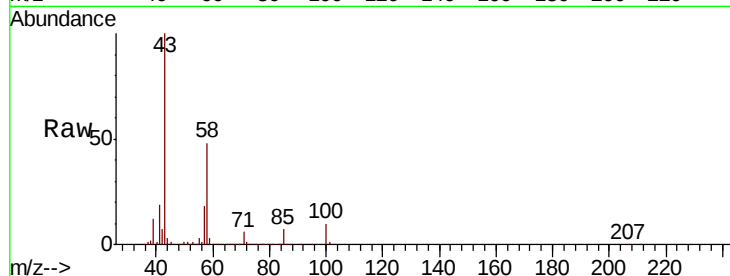
#59
2-Hexanone
Concen: 418.04 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF060028.D
Acq: 21 Aug 2018 19:18

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 737632
Ion Ratio Lower Upper
43 100
58 47.6 23.4 70.2

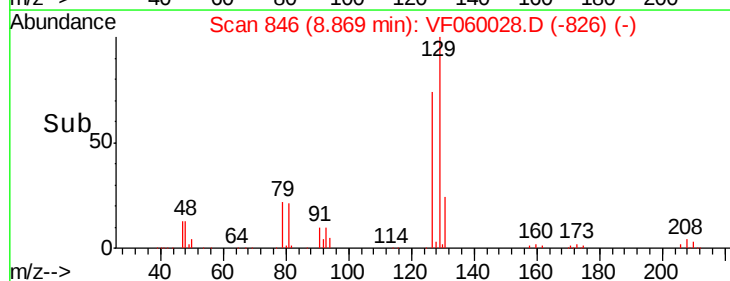
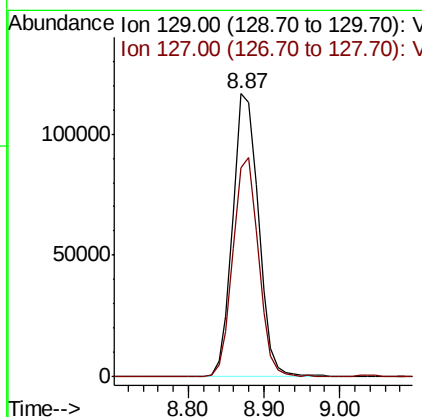
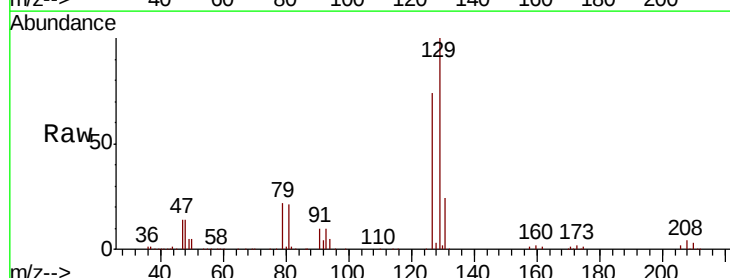
Manual Integrations
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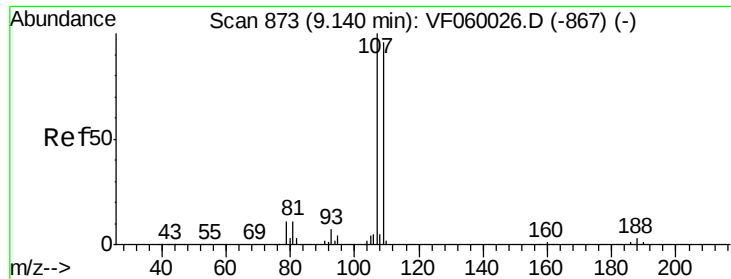
apatel
8/22/2018 11:24:13 AM



#60
Dibromochloromethane
Concen: 81.54 ug/l
RT: 8.87 min Scan# 846
Delta R.T. -0.00 min
Lab File: VF060028.D
Acq: 21 Aug 2018 19:18

Tgt Ion: 129 Resp: 274600
Ion Ratio Lower Upper
129 100
127 73.9 38.6 115.8





#61

1,2-Dibromoethane

Concen: 89.64 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.01 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 210786

Ion Ratio Lower Upper

107 100

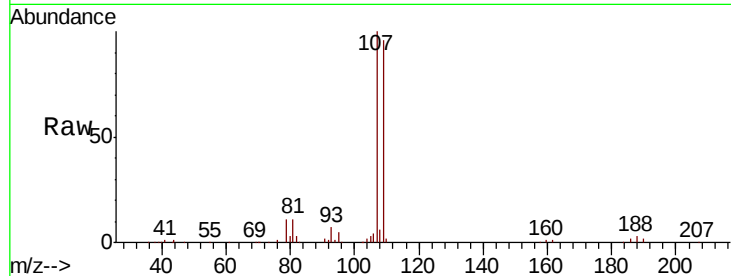
109 96.3 76.5 114.7

Manual Integrations

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.15

100000

80000

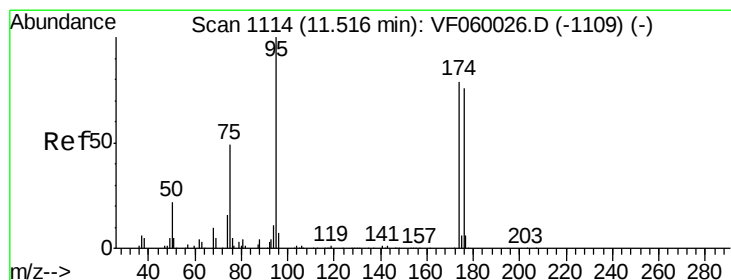
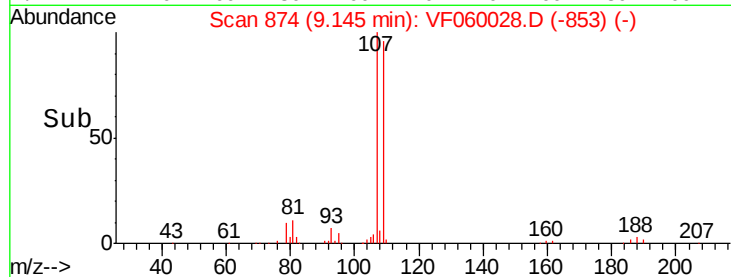
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 78.43 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

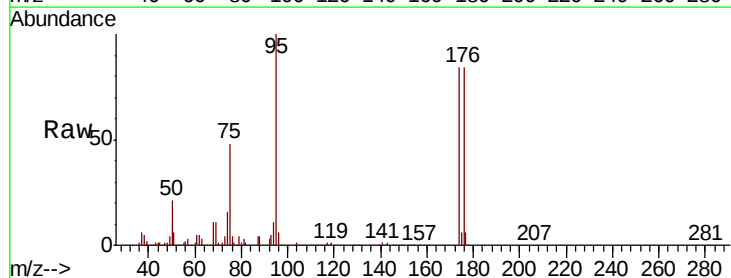
Tgt Ion: 95 Resp: 350791

Ion Ratio Lower Upper

95 100

174 83.7 0.0 158.4

176 84.1 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

11.52

250000

200000

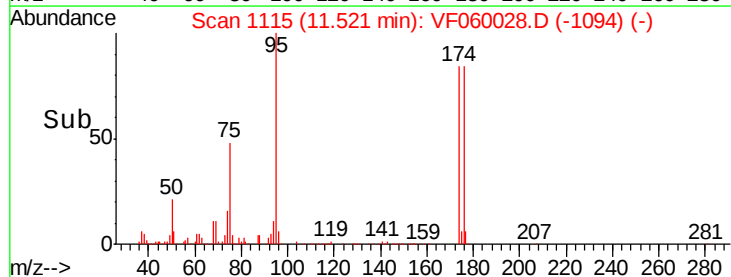
150000

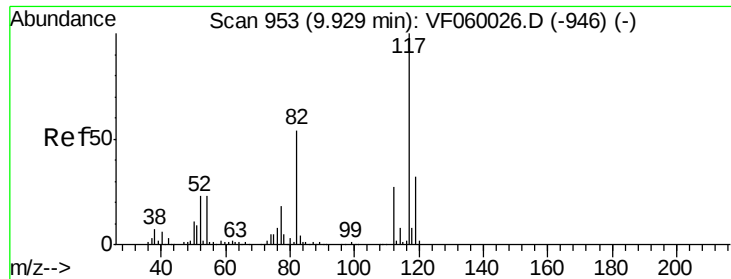
100000

50000

0

Time-->





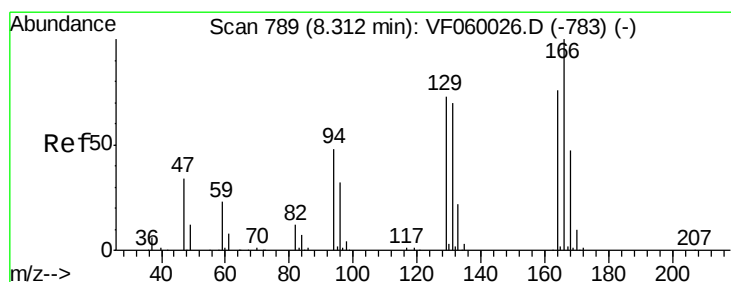
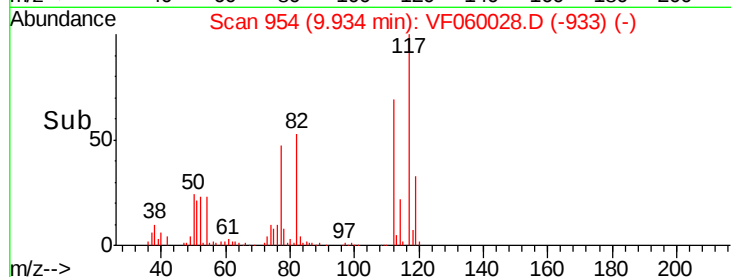
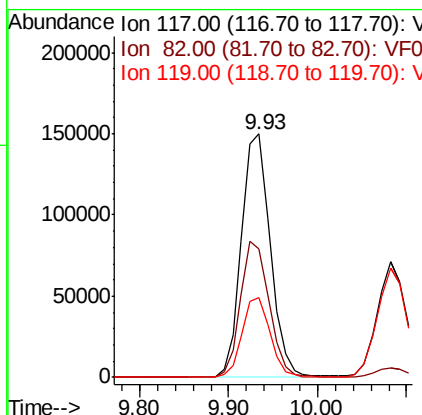
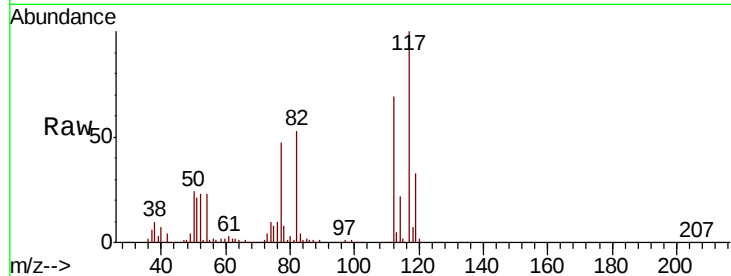
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.01 min
Lab File: VF060028.D
Acq: 21 Aug 2018 19:18

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	338586		
82	52.6		43.6	65.4
119	33.0		25.6	38.4

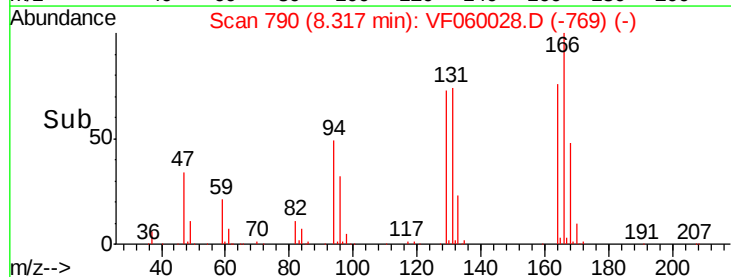
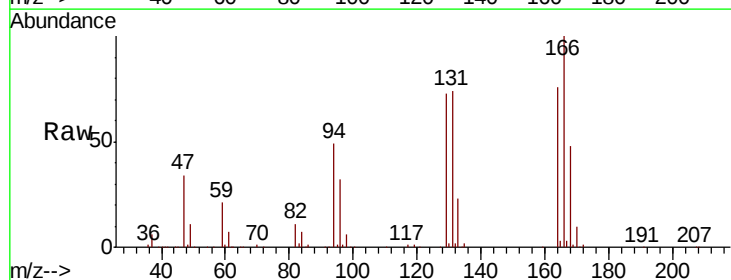
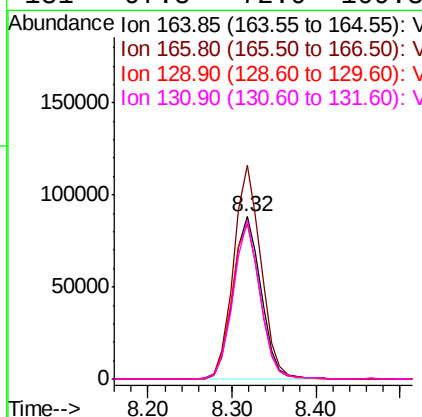
Manual Integrations
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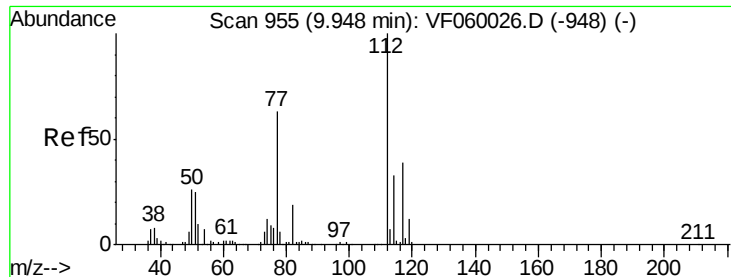
apatel
8/22/2018 11:24:13 AM



#64
Tetrachloroethene
Concen: 79.78 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.01 min
Lab File: VF060028.D
Acq: 21 Aug 2018 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	204679		
166	131.6		104.7	157.1
129	95.8		77.0	115.4
131	97.5		72.9	109.3





#65

Chlorobenzene

Concen: 88.13 ug/l

RT: 9.95 min Scan# 956

Delta R.T. 0.01 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 587642

Ion Ratio Lower Upper

112 100

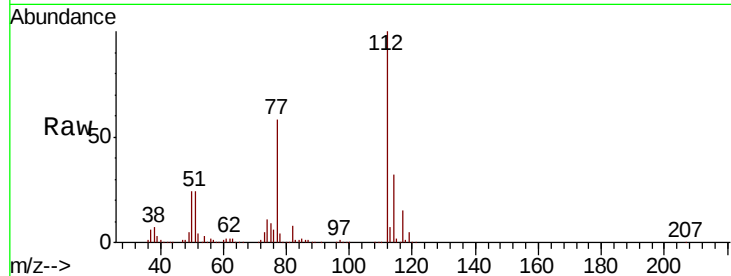
114 32.3 26.2 39.2

Manual Integrations

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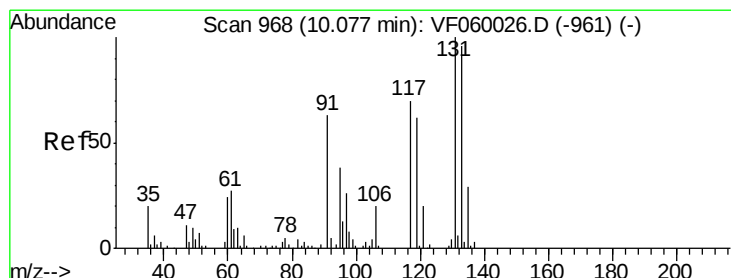
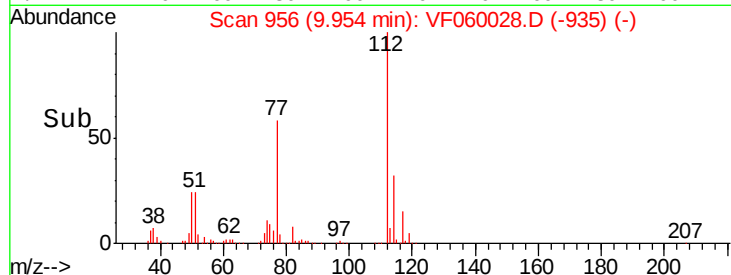
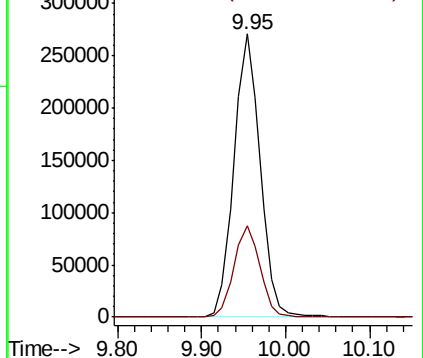
apatel

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 78.95 ug/l

RT: 10.08 min Scan# 969

Delta R.T. 0.01 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

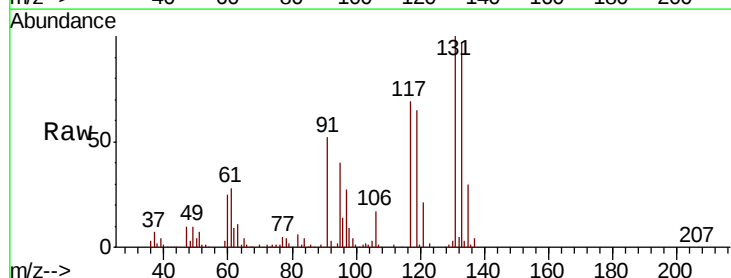
Tgt Ion:131 Resp: 235487

Ion Ratio Lower Upper

131 100

133 97.2 48.2 144.6

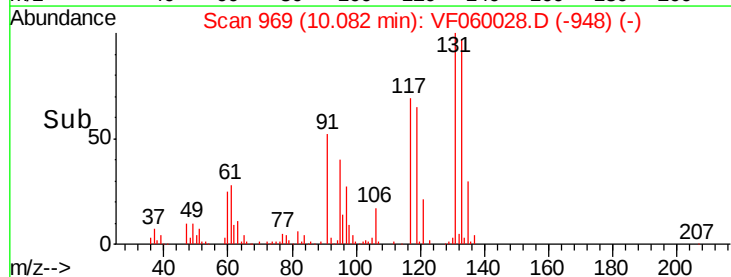
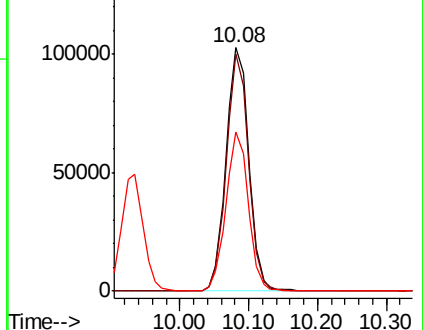
119 65.4 31.4 94.2

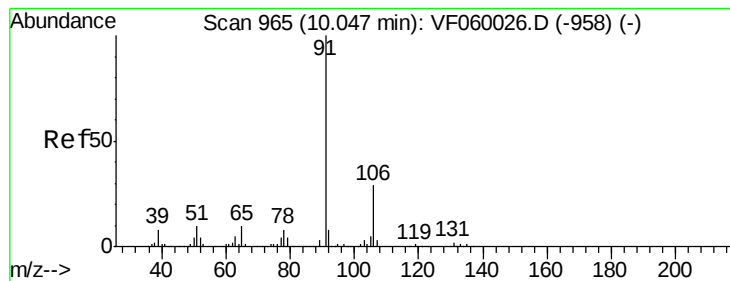


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 80.34 ug/l

RT: 10.05 min Scan# 966

Delta R.T. 0.01 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 964520

Ion Ratio Lower Upper

91 100

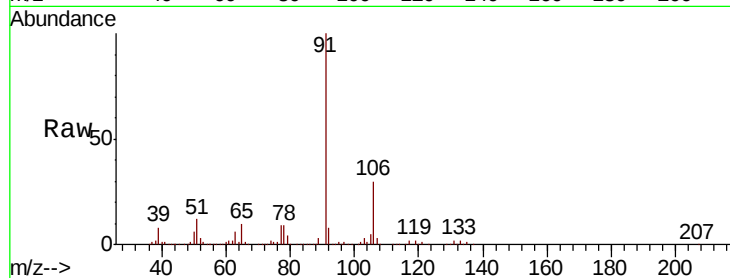
106 30.5 23.6 35.4

Manual Integrations

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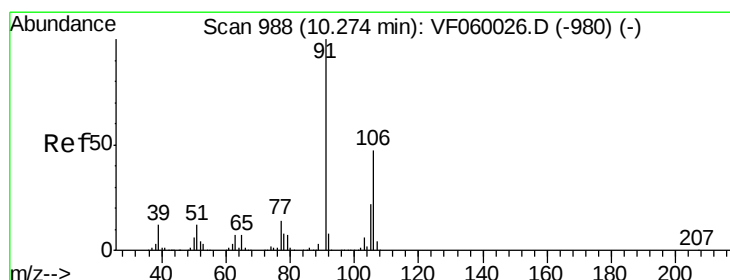
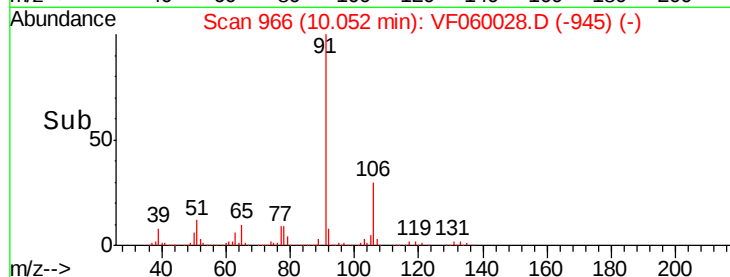
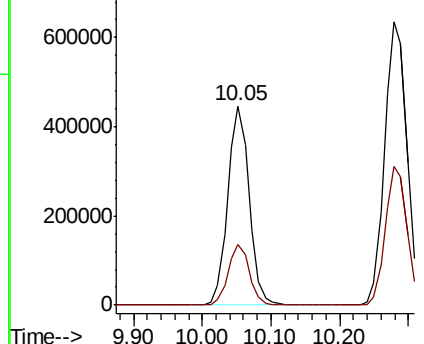
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 163.61 ug/l

RT: 10.28 min Scan# 989

Delta R.T. 0.01 min

Lab File: VF060028.D

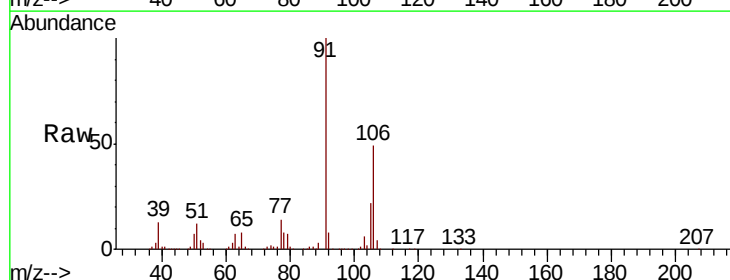
Acq: 21 Aug 2018 19:18

Tgt Ion: 106 Resp: 692093

Ion Ratio Lower Upper

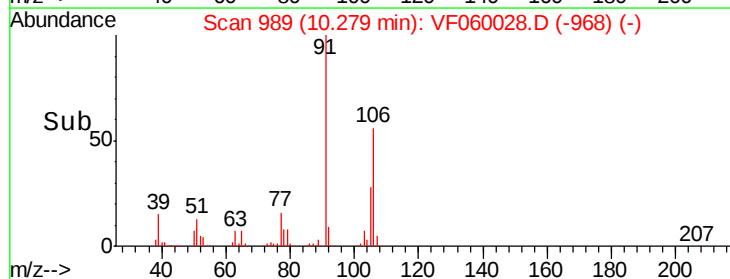
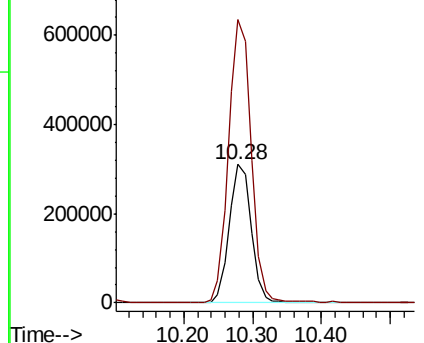
106 100

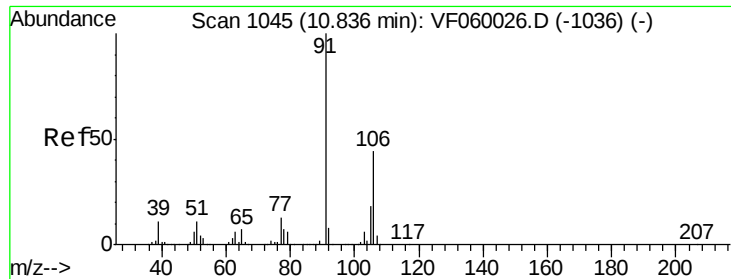
91 204.7 171.8 257.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





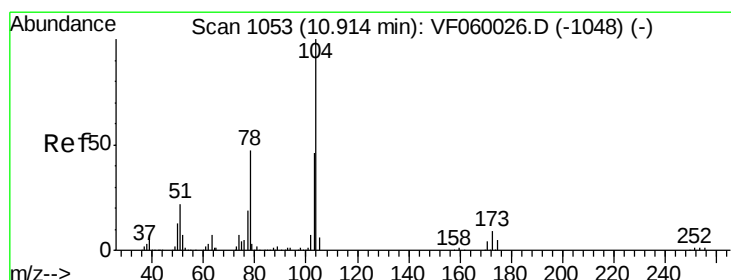
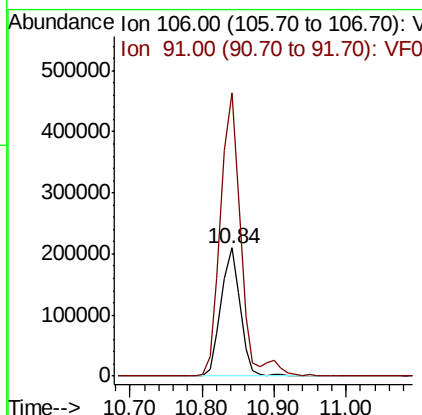
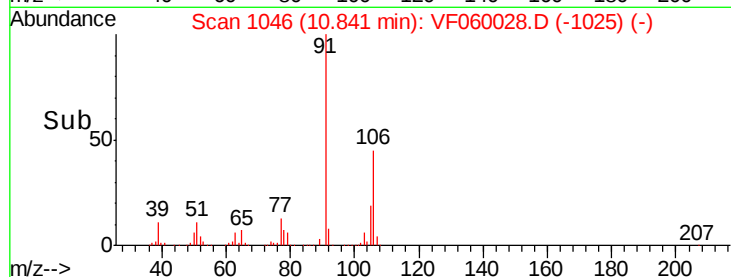
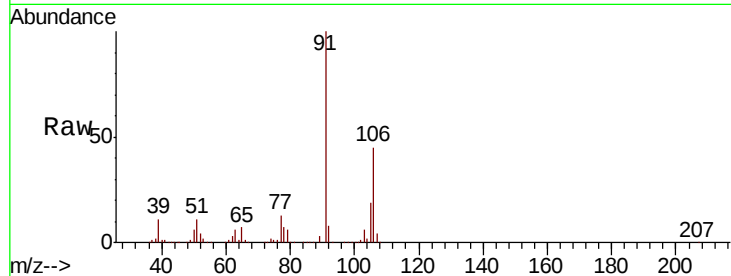
#69
o-Xylene
Concen: 89.89 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. 0.01 min
Lab File: VF060028.D
Acq: 21 Aug 2018 19:18

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		389141		
91	221.1	112.5	337.5		

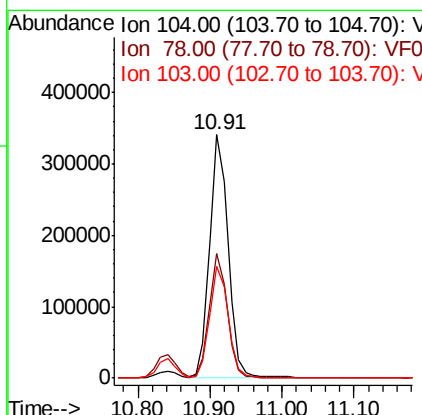
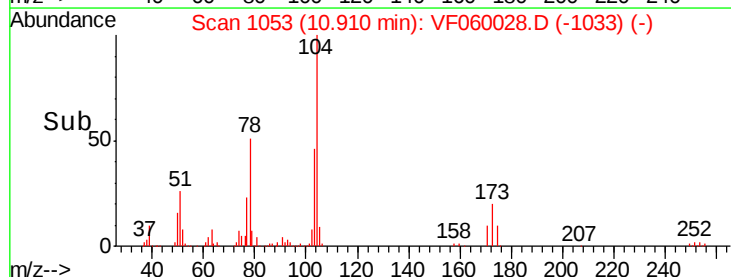
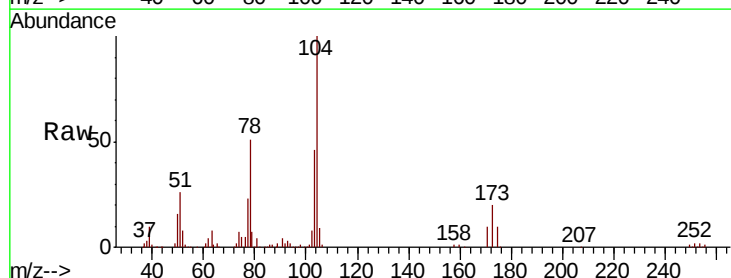
Manual Integrations
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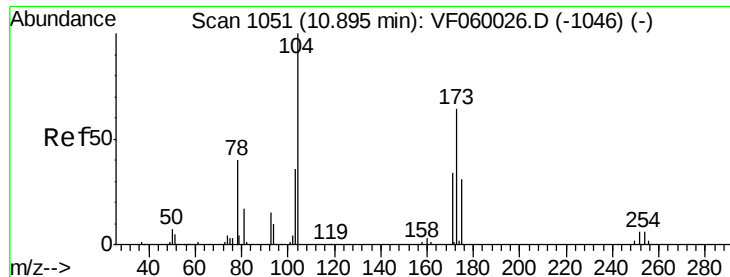
apatel
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#70
Styrene
Concen: 87.79 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VF060028.D
Acq: 21 Aug 2018 19:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		606220		
78	51.2	38.0	57.0		
103	45.9	37.6	56.4		





#71

Bromoform

Concen: 80.14 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 176428

Ion Ratio Lower Upper

173 100

175 50.2 24.7 74.1

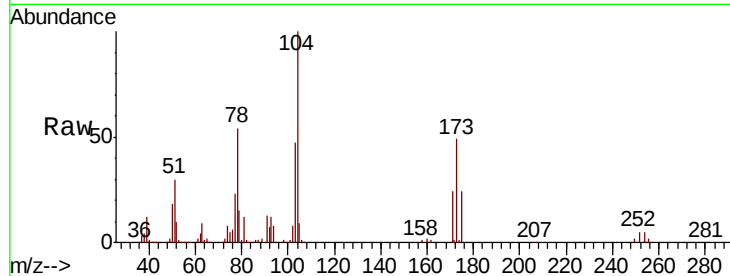
254 0.0 0.0 0.0

Manual Integrations

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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

120000

100000

80000

60000

40000

20000

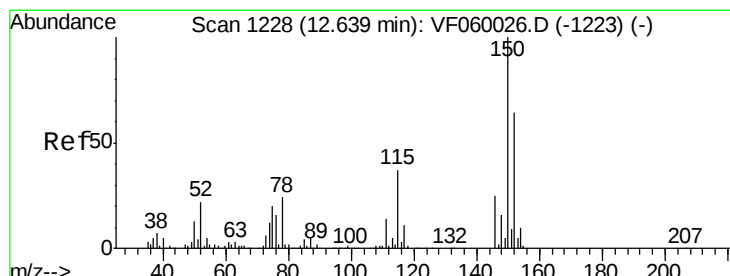
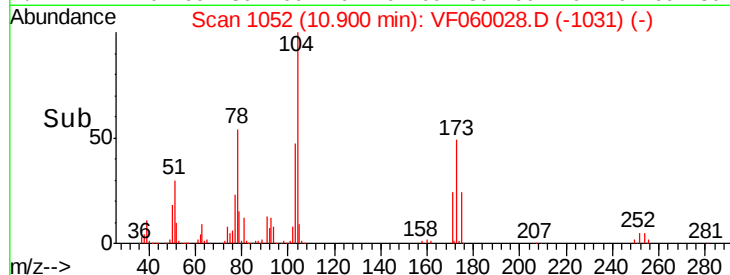
0

10.80

10.90

11.00

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.64 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

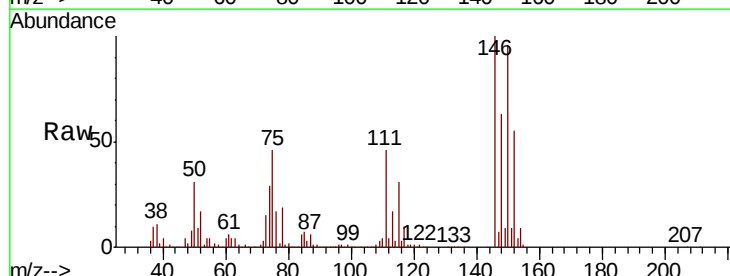
Tgt Ion:152 Resp: 203056

Ion Ratio Lower Upper

152 100

115 56.7 28.6 85.9

150 174.1 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

300000

250000

200000

150000

100000

50000

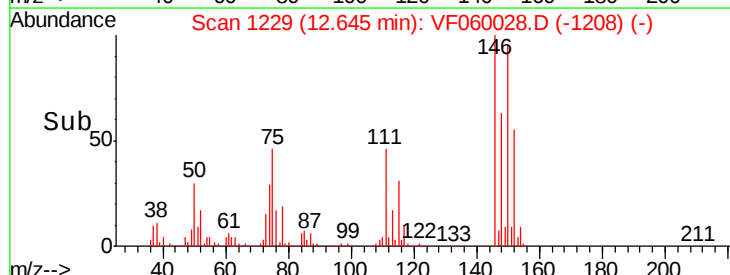
0

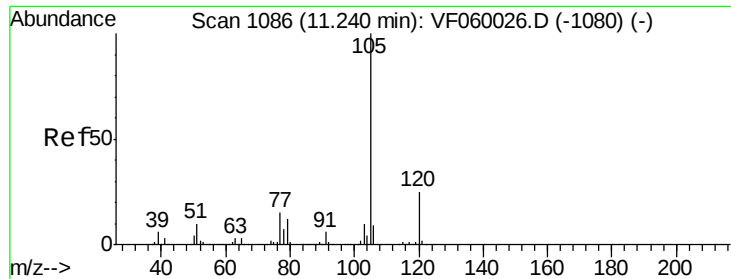
12.60

12.64

12.70

Time-->





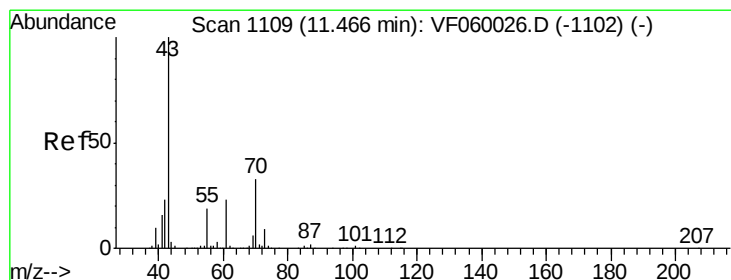
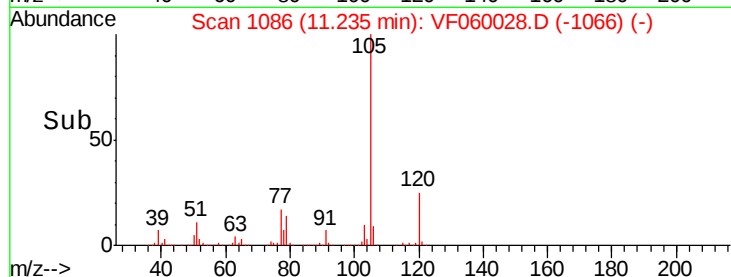
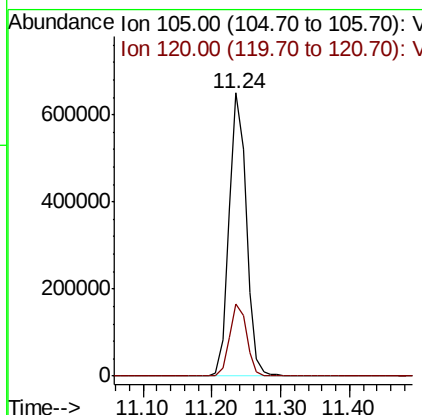
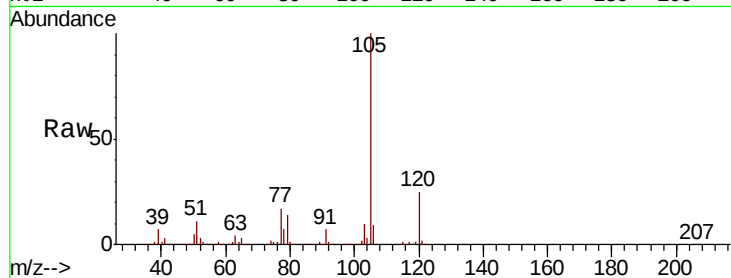
#73
Isopropylbenzene
Concen: 92.31 ug/l
RT: 11.24 min Scan# 1086
Delta R.T. -0.00 min
Lab File: VF060028.D
Acq: 21 Aug 2018 19:18

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion:105 Resp: 1128082
Ion Ratio Lower Upper
105 100
120 25.4 12.7 38.0

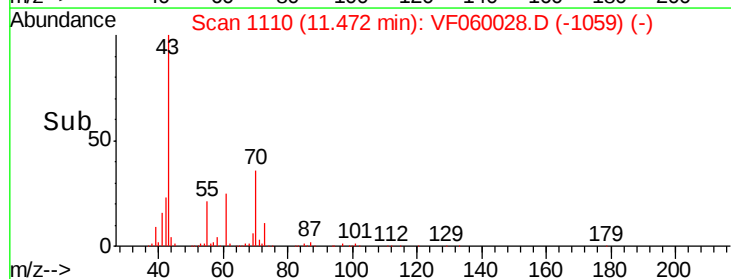
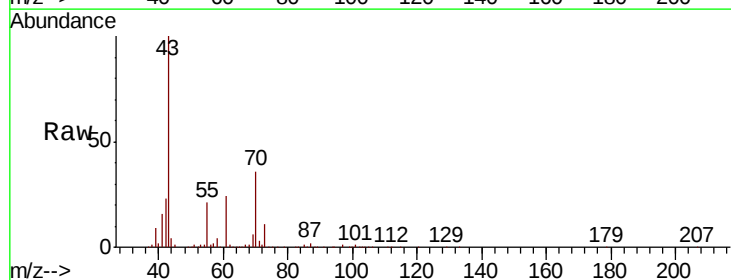
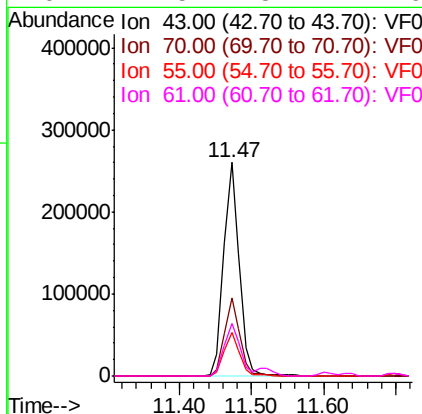
Manual Integrations
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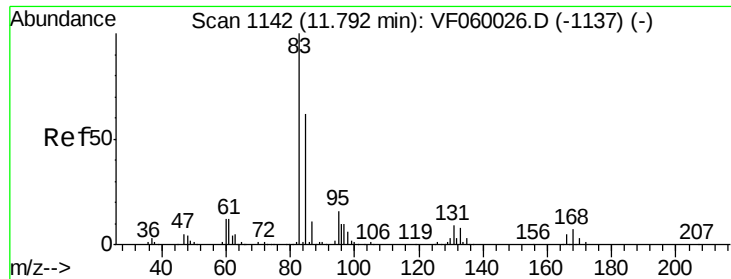
apatel
8/22/2018 11:24:13 AM



#74
N-ethyl acetate
Concen: 109.86 ug/l
RT: 11.47 min Scan# 1110
Delta R.T. 0.01 min
Lab File: VF060028.D
Acq: 21 Aug 2018 19:18

Tgt Ion: 43 Resp: 387311
Ion Ratio Lower Upper
43 100
70 36.3 26.4 39.6
55 20.5 15.0 22.4
61 24.5 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 103.56 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

Instrument :

MSVOA_F

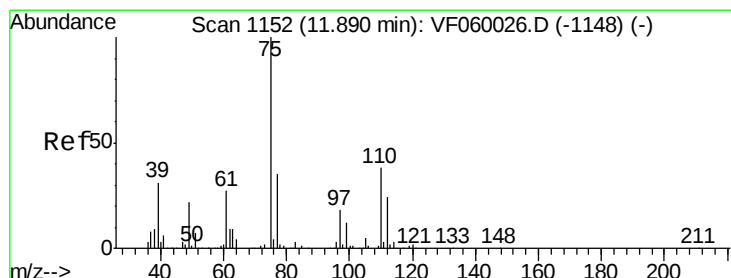
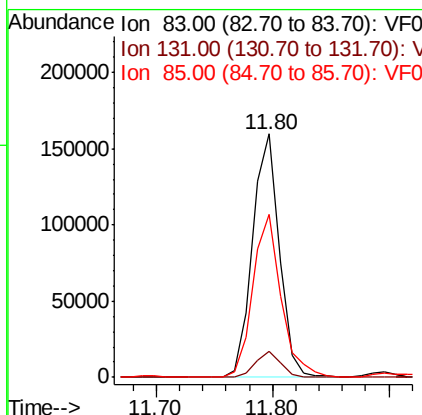
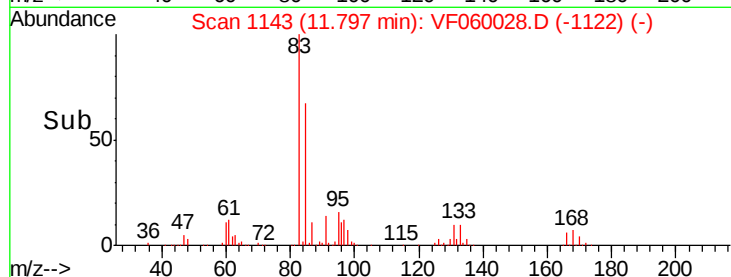
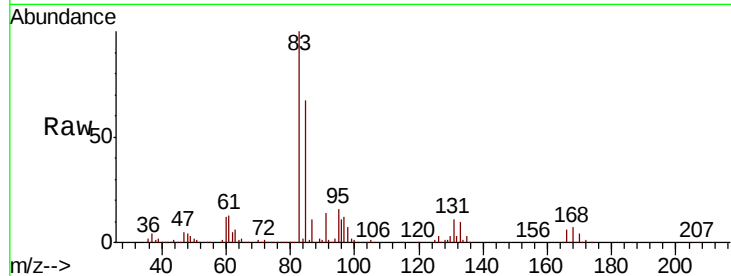
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	254392
Ion Ratio	Lower	Upper	
83	100		
131	10.7	4.5	13.7
85	66.9	31.3	93.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 93.75 ug/l

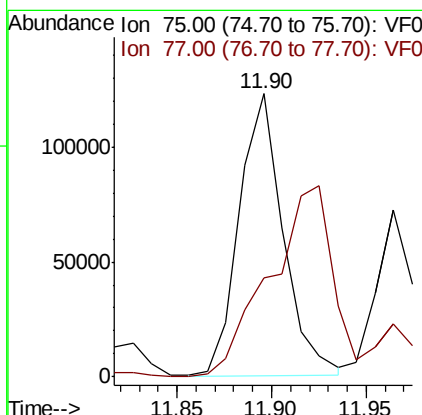
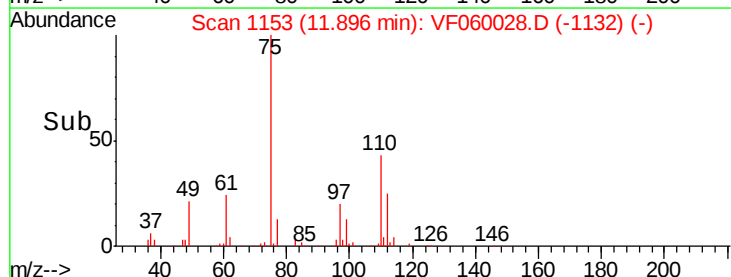
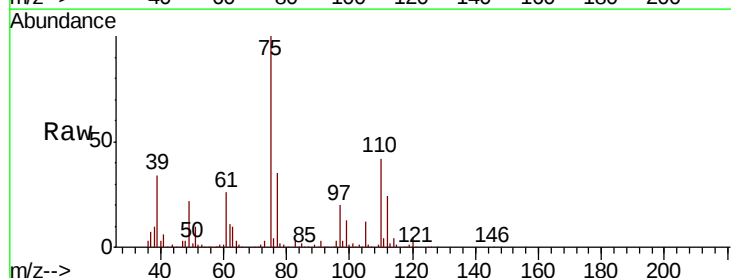
RT: 11.90 min Scan# 1153

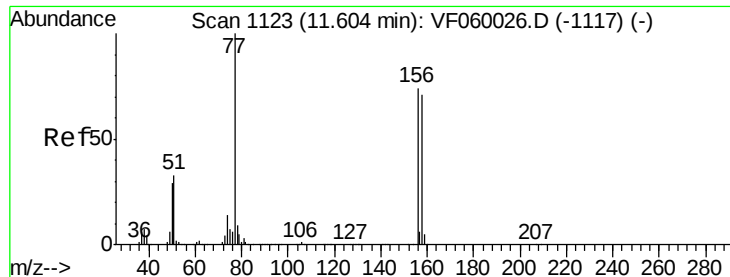
Delta R.T. 0.01 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

Tgt Ion:	75	Resp:	198286
Ion Ratio	Lower	Upper	
75	100		
77	35.2	17.3	52.0





#77

Bromobenzene

Concen: 90.42 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 156 Resp: 307170

Ion Ratio Lower Upper

156 100

77 157.6 68.0 204.0

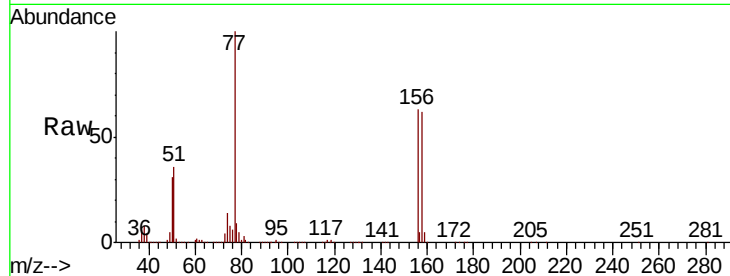
158 98.3 48.4 145.3

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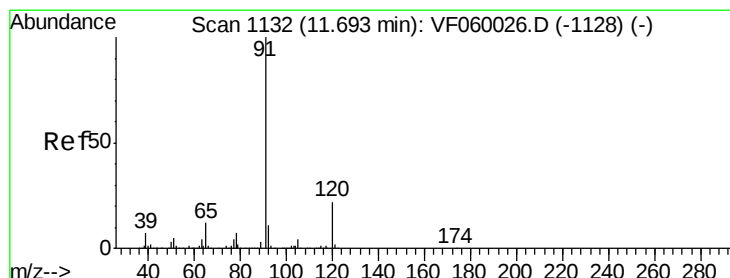
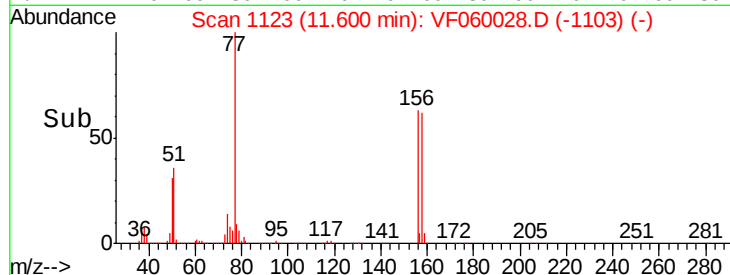
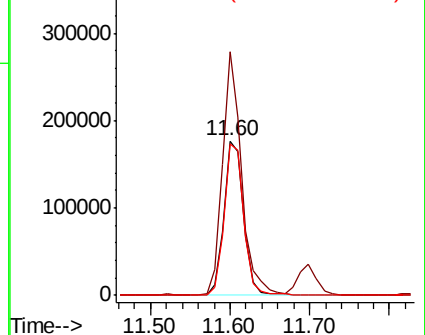
8/22/2018 11:24:13 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 85.46 ug/l

RT: 11.70 min Scan# 1133

Delta R.T. 0.01 min

Lab File: VF060028.D

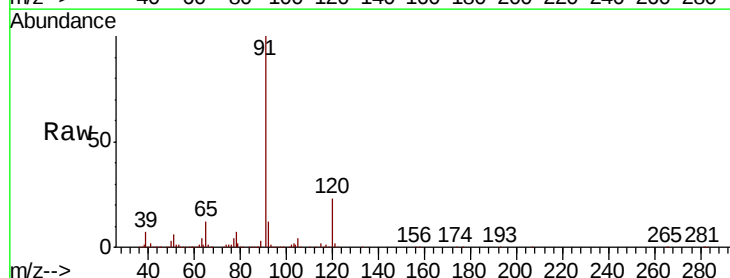
Acq: 21 Aug 2018 19:18

Tgt Ion: 91 Resp: 1299746

Ion Ratio Lower Upper

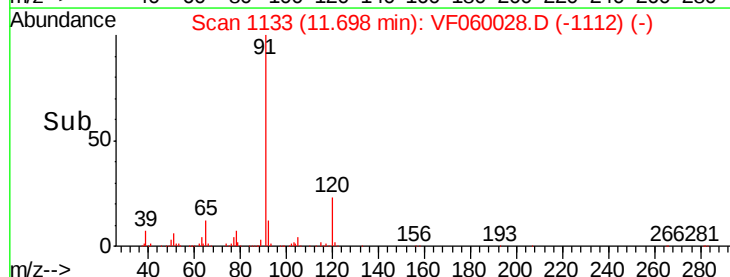
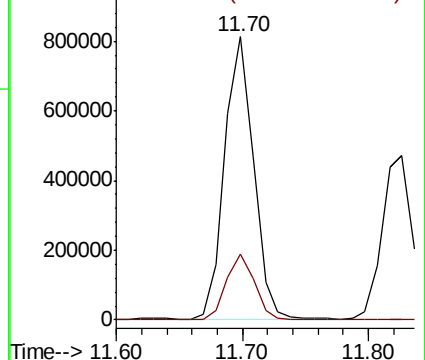
91 100

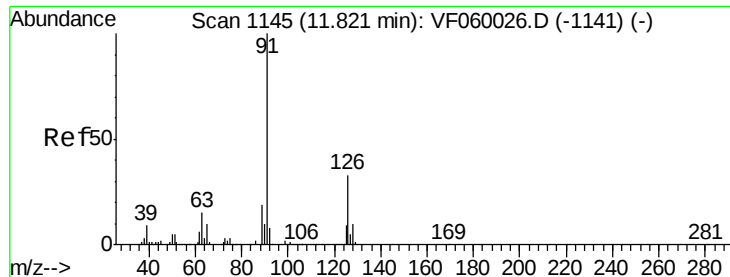
120 23.3 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 85.93 ug/l

RT: 11.83 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 783781

Ion Ratio Lower Upper

91 100

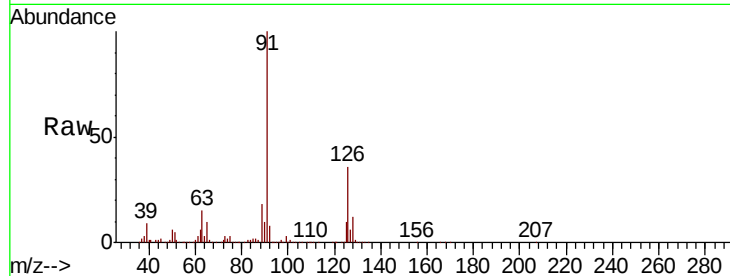
126 36.2 16.6 49.7

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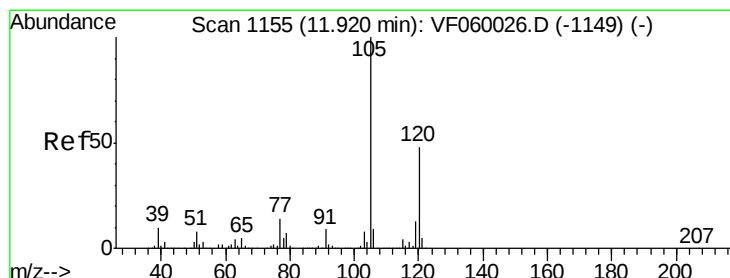
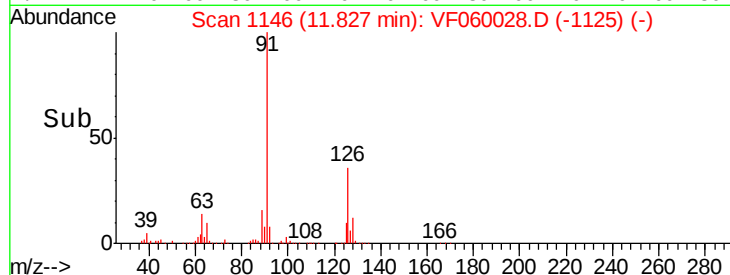
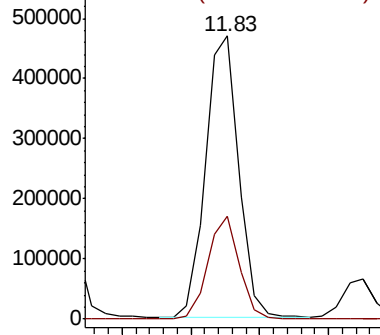
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 87.28 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. 0.01 min

Lab File: VF060028.D

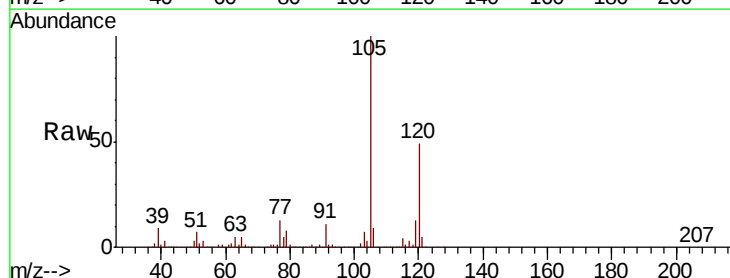
Acq: 21 Aug 2018 19:18

Tgt Ion:105 Resp: 957309

Ion Ratio Lower Upper

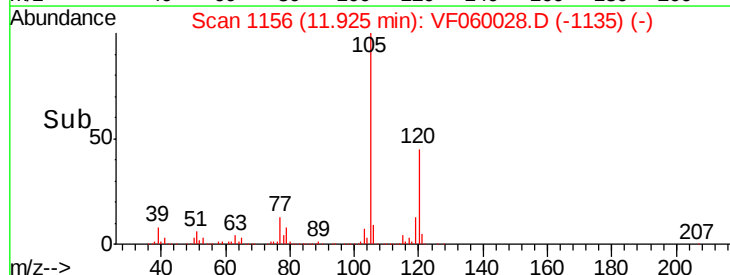
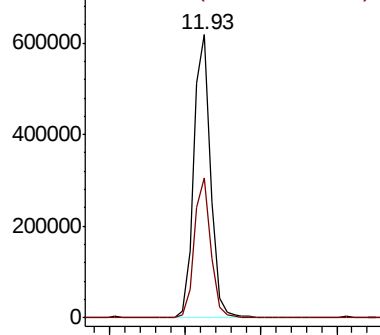
105 100

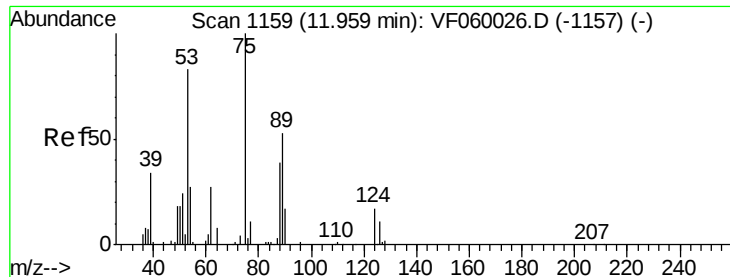
120 49.5 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 113.88 ug/l m

RT: 11.96 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

Instrument :

MSVOA_F

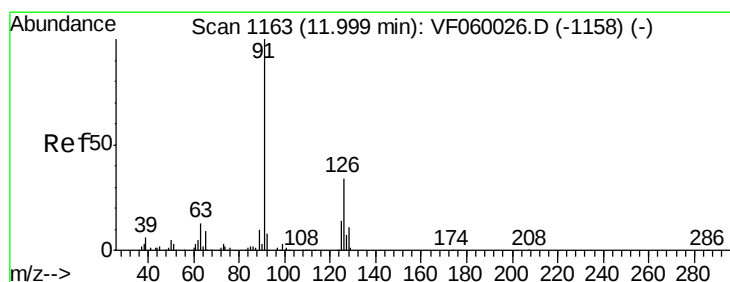
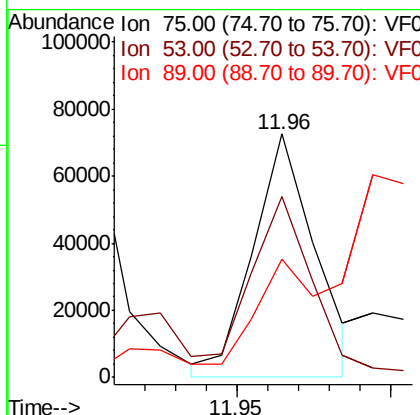
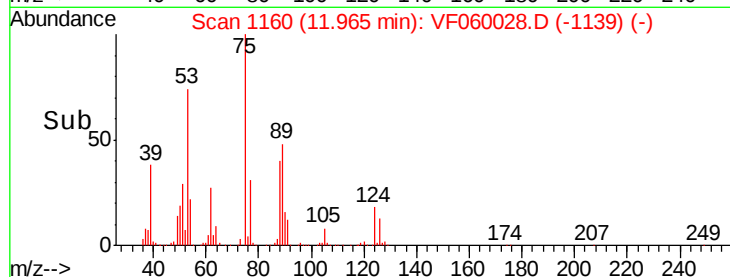
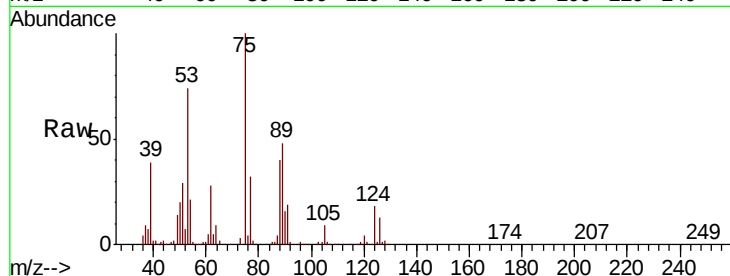
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	101621
Ion Ratio	Lower	Upper	
75	100		
53	74.4	66.2	99.4
89	48.4	42.8	64.2

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#82

4-Chlorotoluene

Concen: 89.02 ug/l

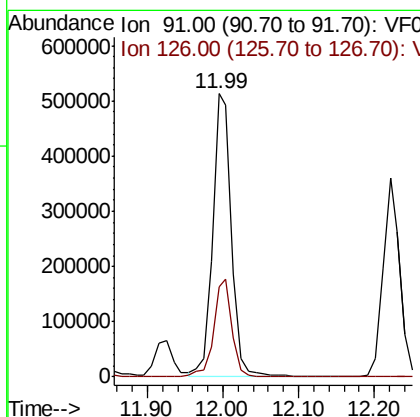
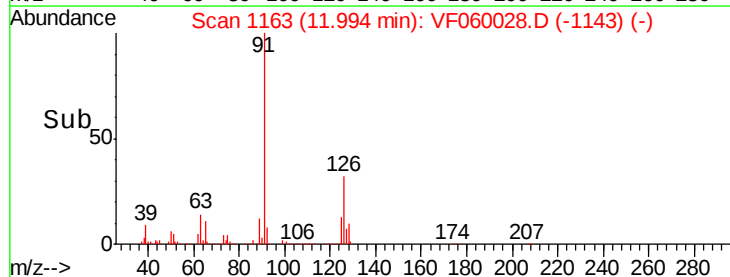
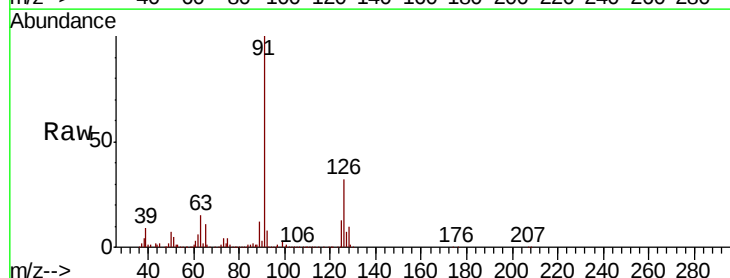
RT: 11.99 min Scan# 1163

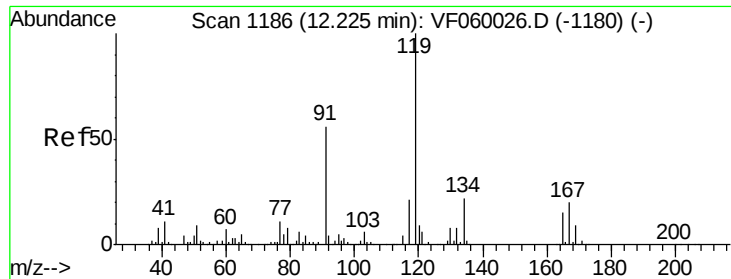
Delta R.T. -0.00 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

Tgt Ion:	91	Resp:	888538
Ion Ratio	Lower	Upper	
91	100		
126	31.9	17.0	50.9





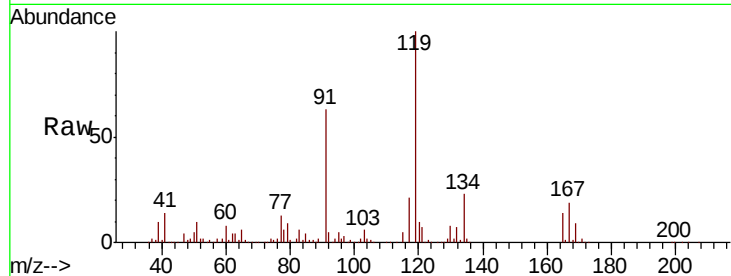
#83
tert-Butylbenzene
Concen: 85.27 ug/l
RT: 12.22 min Scan# 1186
Delta R.T. -0.00 min
Lab File: VF060028.D
Acq: 21 Aug 2018 19:18

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

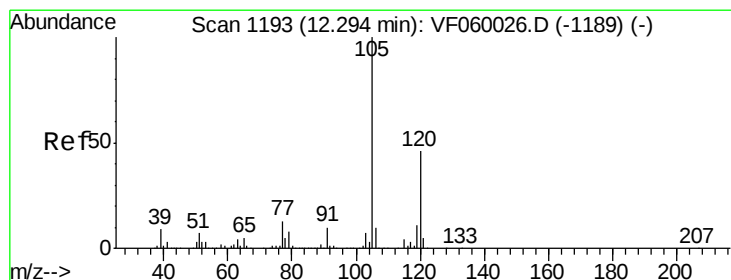
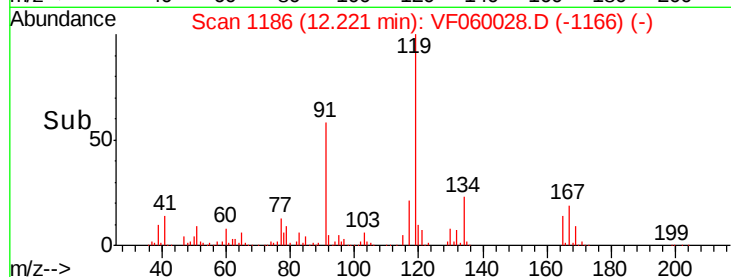
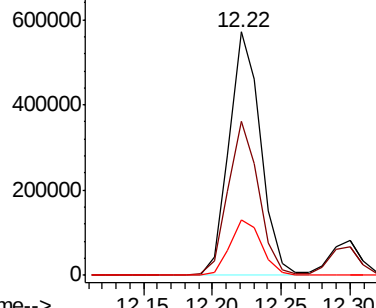
Tot Ion	Ratio	Resp	Lower	Upper
119	100	914525		
91	63.2	28.1	84.3	
134	22.9	11.1	33.3	

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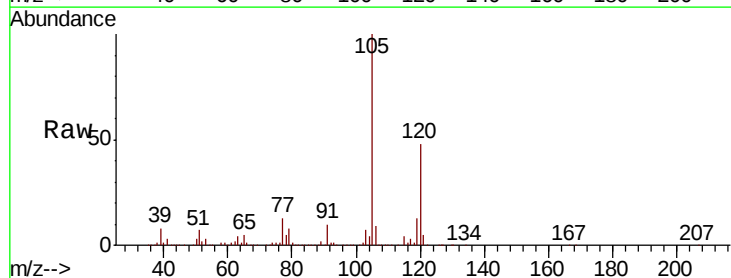


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

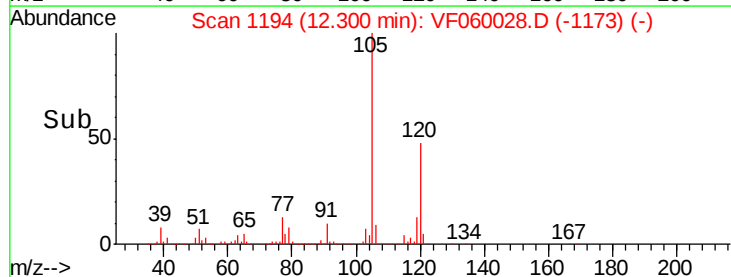
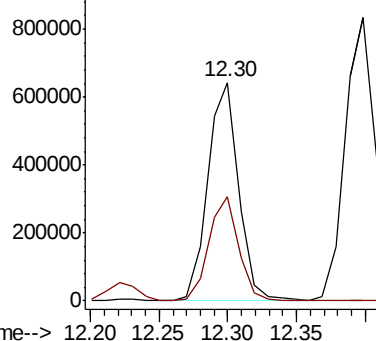


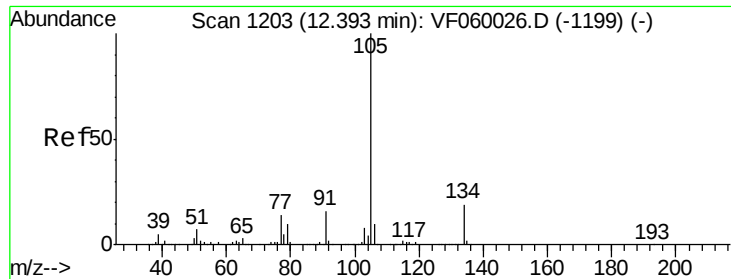
#84
1,2,4-Trimethylbenzene
Concen: 86.87 ug/l
RT: 12.30 min Scan# 1194
Delta R.T. 0.01 min
Lab File: VF060028.D
Acq: 21 Aug 2018 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1001498		
120	47.7	23.3	69.8	



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 90.09 ug/l

RT: 12.40 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1289411

Ion Ratio Lower Upper

105 100

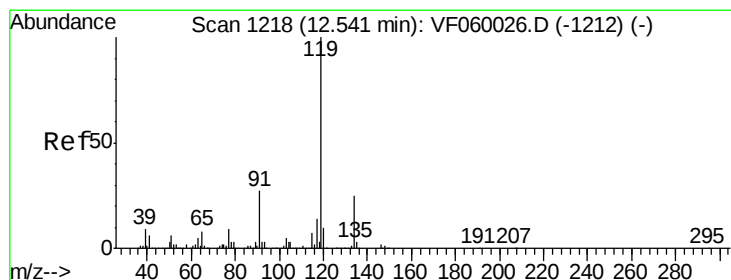
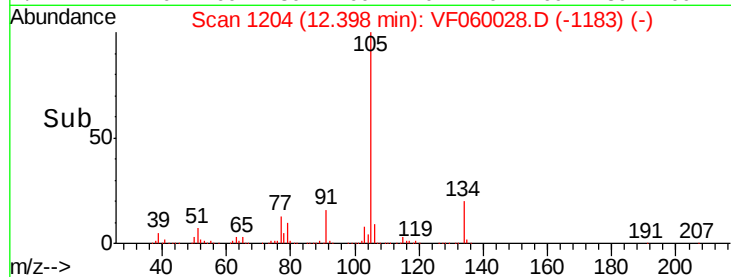
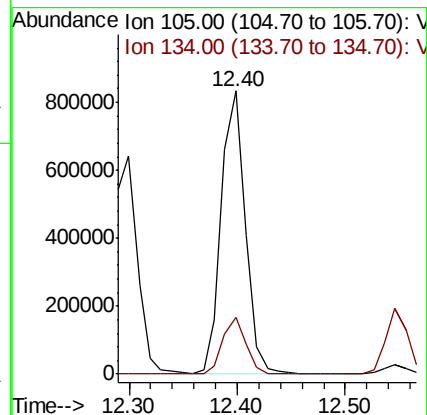
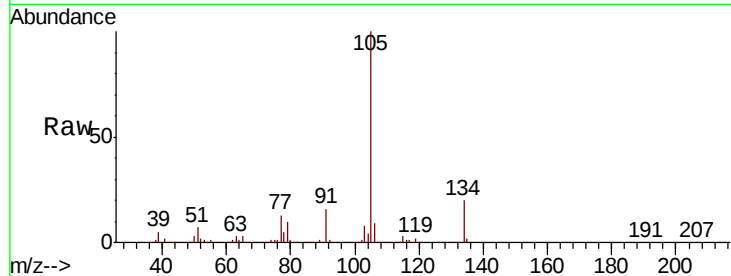
134 20.3 9.3 27.9

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#86

p-Isopropyltoluene

Concen: 85.14 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VF060028.D

Acq: 21 Aug 2018 19:18

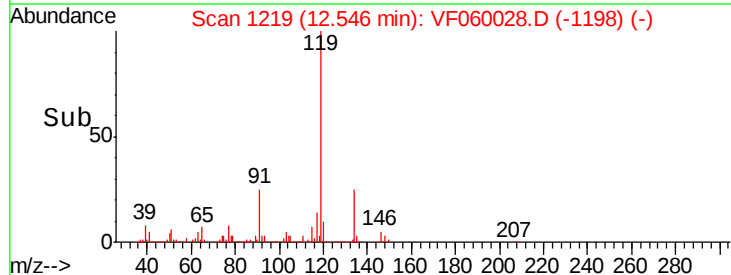
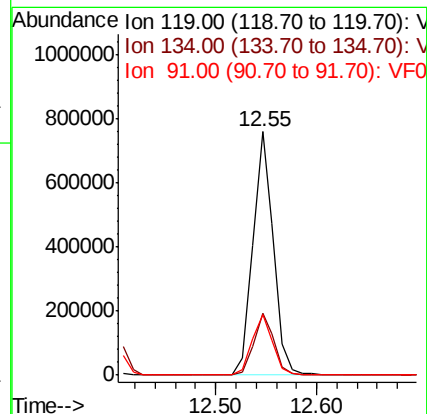
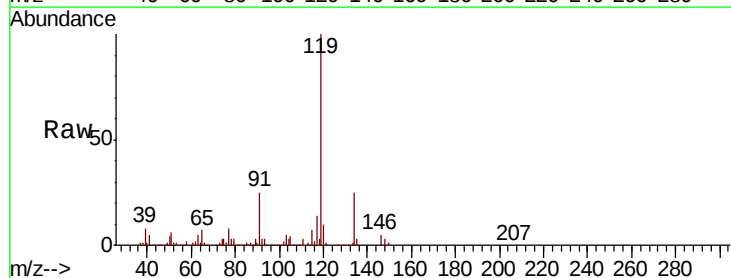
Tgt Ion:119 Resp: 1077527

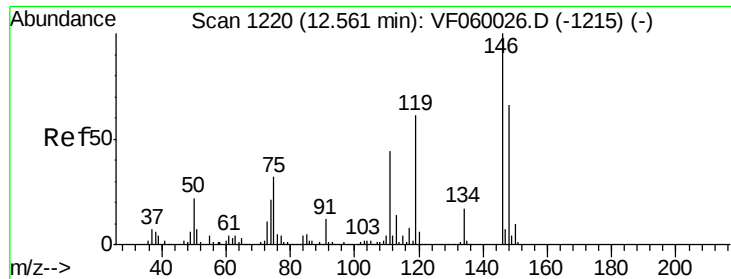
Ion Ratio Lower Upper

119 100

134 25.4 12.4 37.2

91 24.9 13.5 40.4





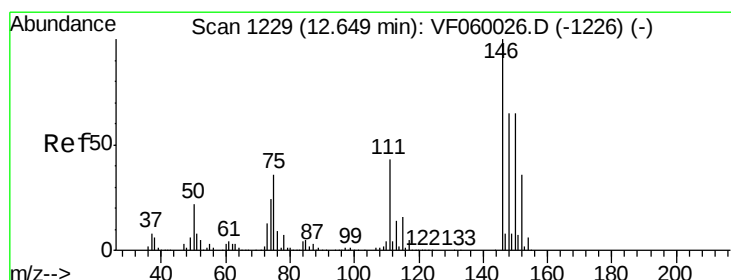
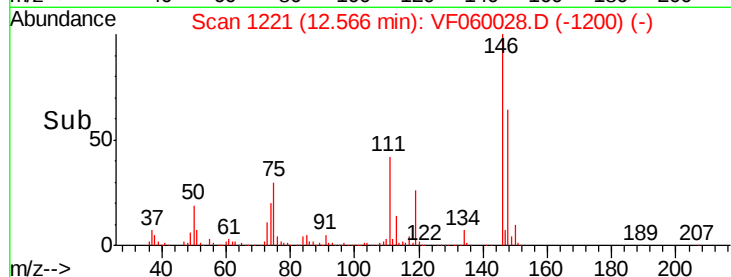
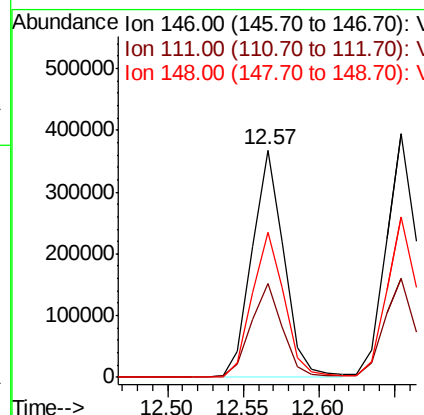
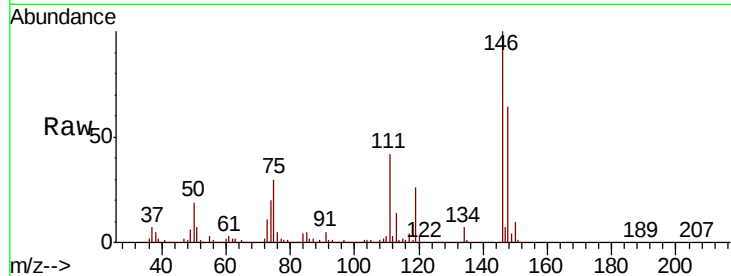
#87
 1,3-Dichlorobenzene
 Concen: 83.45 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.01 min
 Lab File: VF060028.D
 Acq: 21 Aug 2018 19:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.9	65.5
148	64.1	32.9	98.7

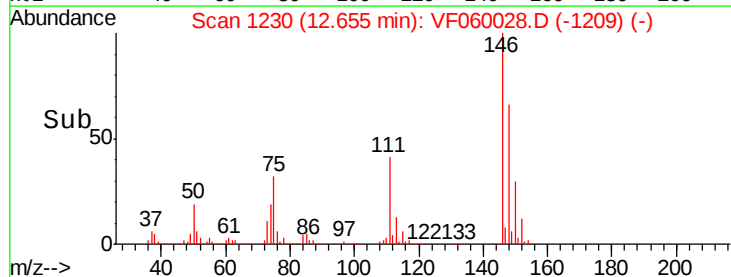
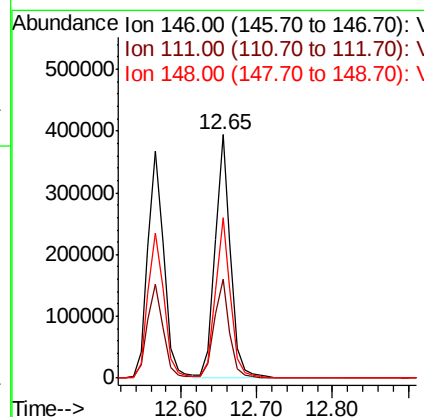
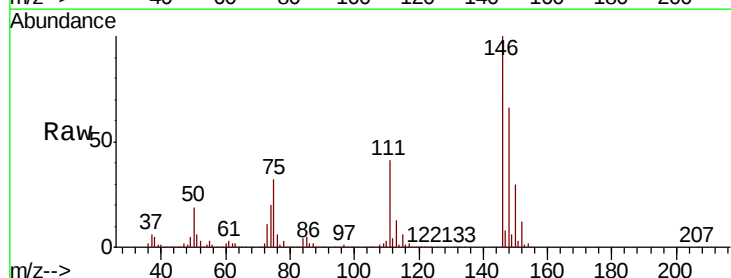
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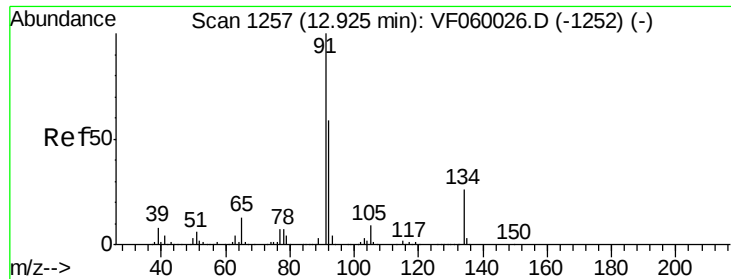
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#88
 1,4-Dichlorobenzene
 Concen: 90.53 ug/l
 RT: 12.65 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VF060028.D
 Acq: 21 Aug 2018 19:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.6	64.8
148	65.7	32.3	96.8





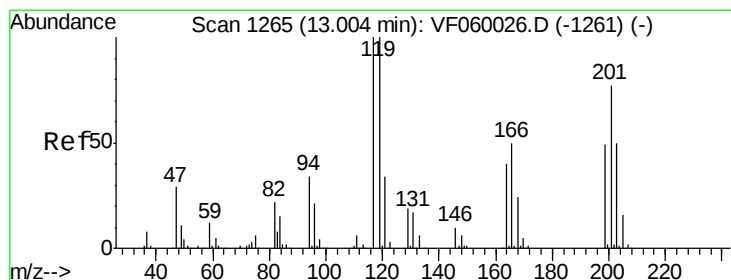
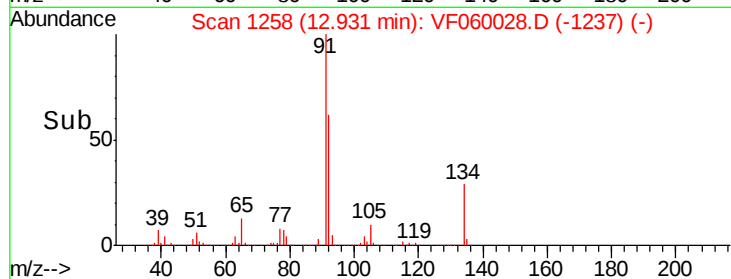
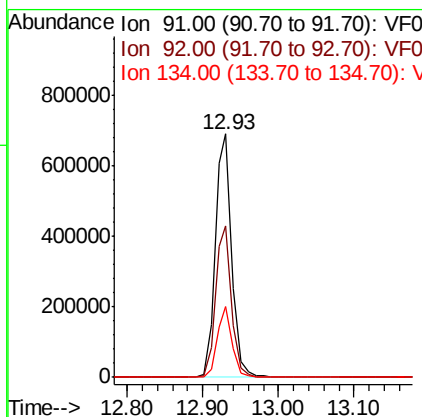
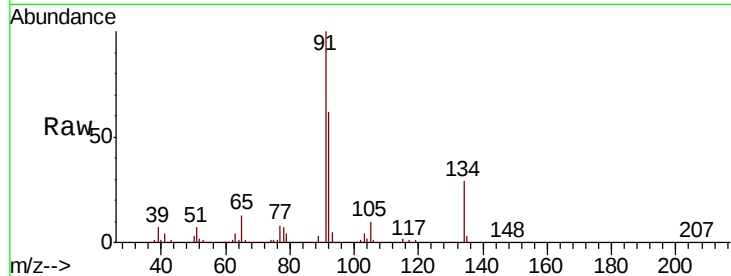
#89
n-Butylbenzene
Concen: 86.15 ug/l
RT: 12.93 min Scan# 1258
Delta R.T. 0.01 min
Lab File: VF060028.D
Acq: 21 Aug 2018 19:18

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1053635
Ion Ratio Lower Upper
91 100
92 62.1 29.3 87.9
134 29.3 12.8 38.3

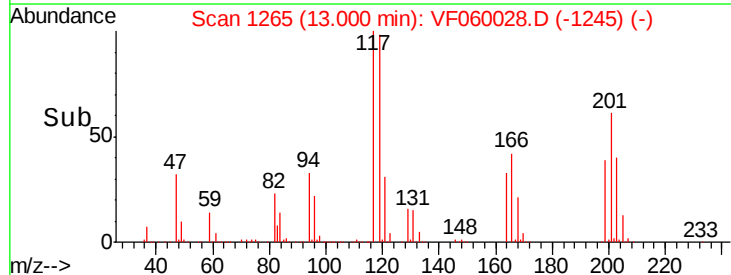
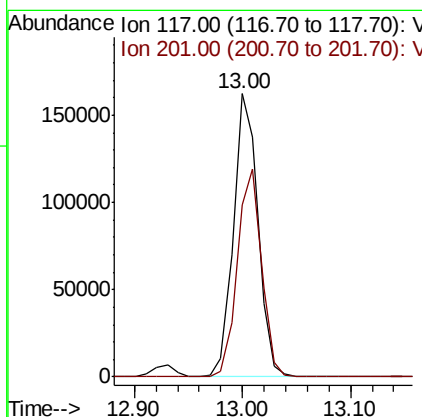
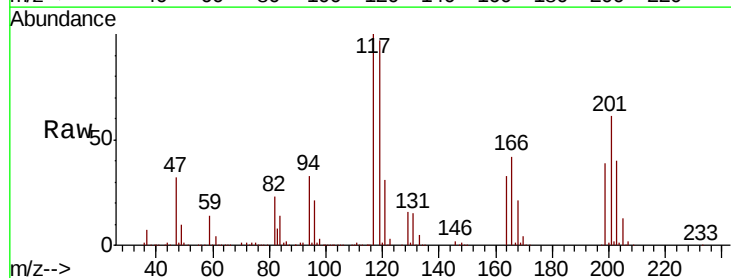
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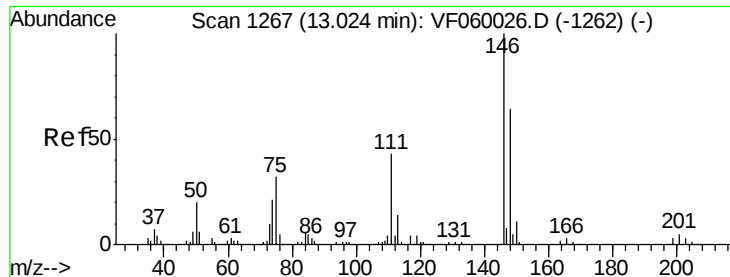
apatel
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#90
Hexachloroethane
Concen: 90.86 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VF060028.D
Acq: 21 Aug 2018 19:18

Tgt Ion: 117 Resp: 256095
Ion Ratio Lower Upper
117 100
201 61.0 38.6 115.8





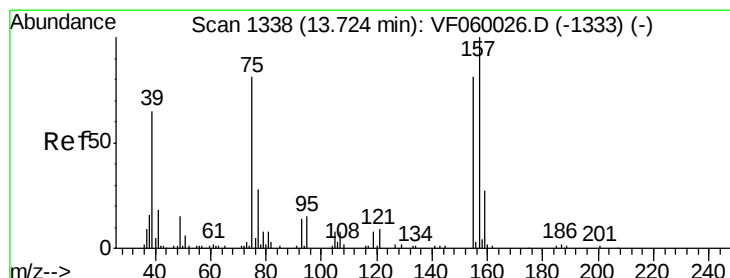
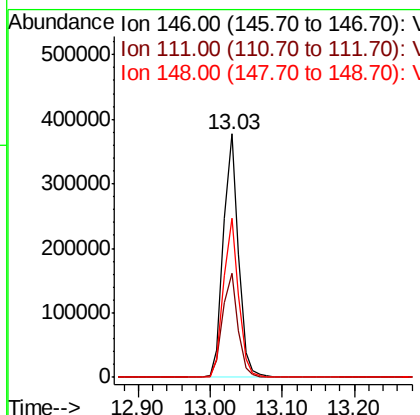
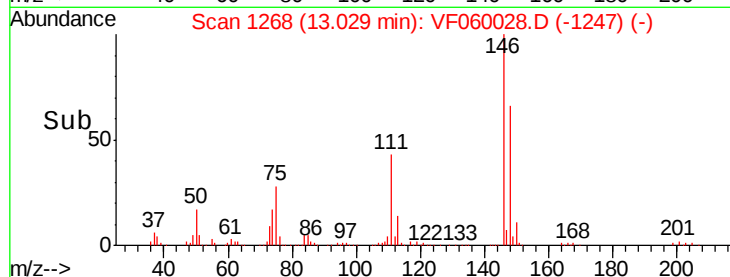
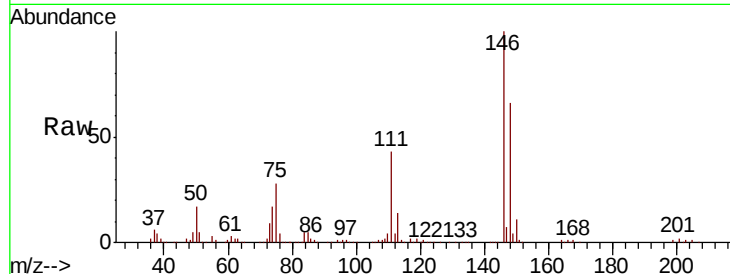
#91
 1,2-Dichlorobenzene
 Concen: 88.26 ug/l
 RT: 13.03 min Scan# 1268
 Delta R.T. 0.01 min
 Lab File: VF060028.D
 Acq: 21 Aug 2018 19:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	545226		
111	42.6		21.6	64.6
148	65.6		32.3	96.8

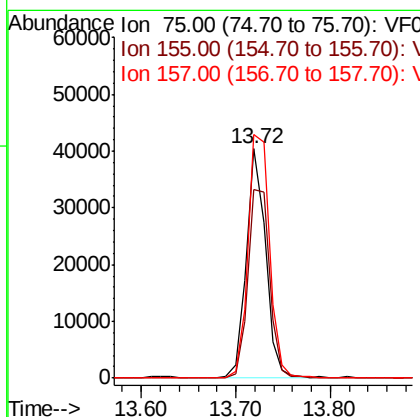
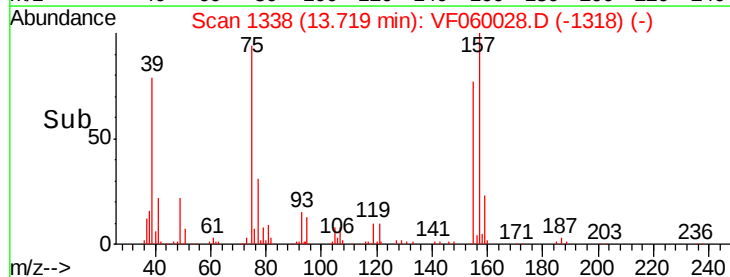
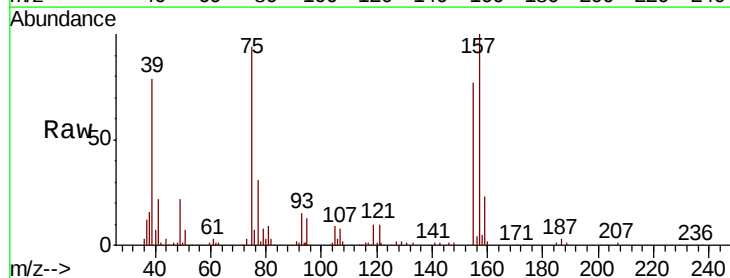
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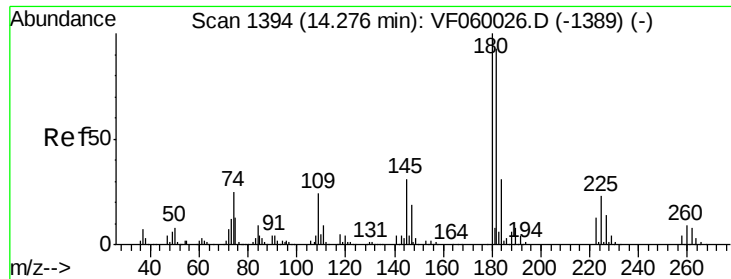
apatel
 8/22/2018 11:24:13 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 89.31 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. -0.00 min
 Lab File: VF060028.D
 Acq: 21 Aug 2018 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	57362		
155	82.1		49.8	149.3
157	106.3		61.6	184.7





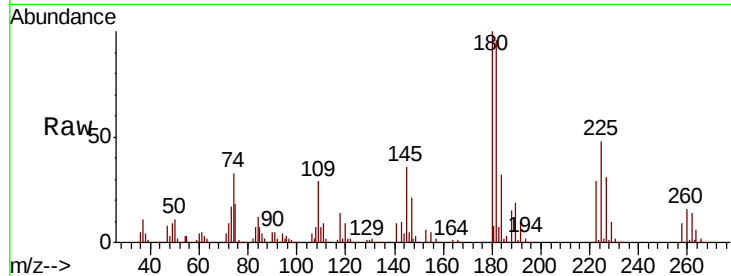
#93
 1,2,4-Trichlorobenzene
 Concen: 83.00 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. -0.00 min
 Lab File: VF060028.D
 Acq: 21 Aug 2018 19:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	414846		
182	96.3	46.8	140.3	
145	36.3	15.4	46.4	

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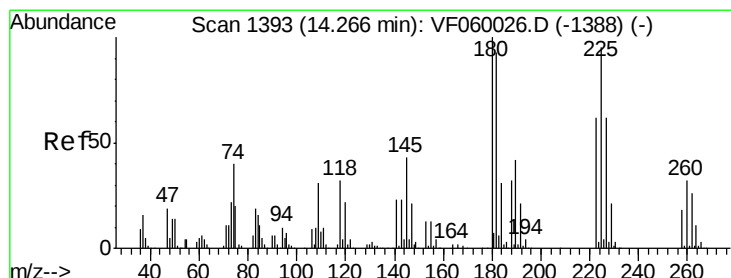
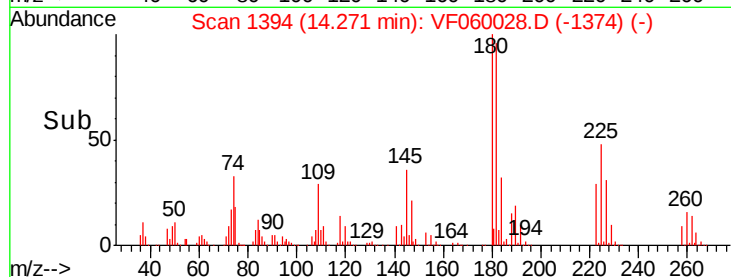
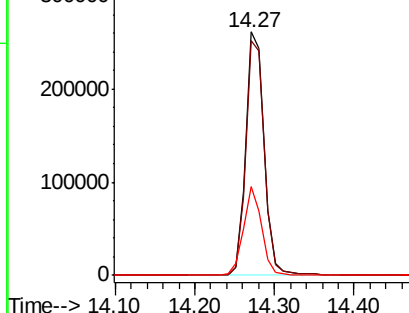


Abundance

Ion 180.00 (179.70 to 180.70): V

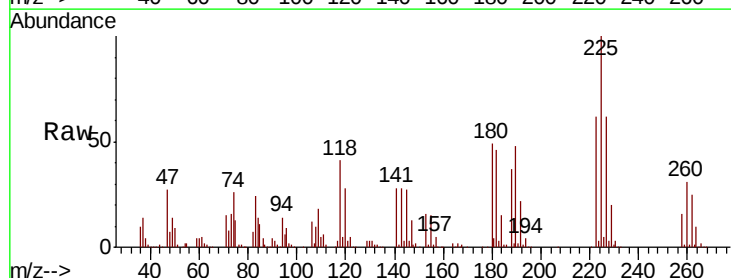
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 77.56 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VF060028.D
 Acq: 21 Aug 2018 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	254766		
223	62.2	32.6	97.8	
227	62.1	33.0	98.9	

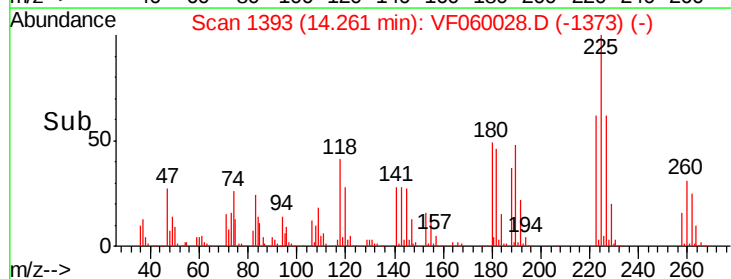
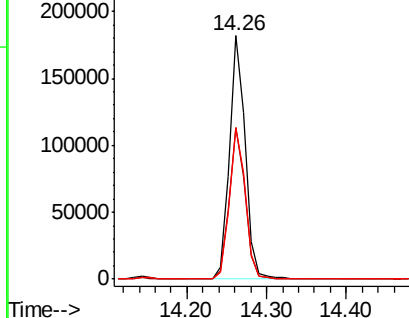


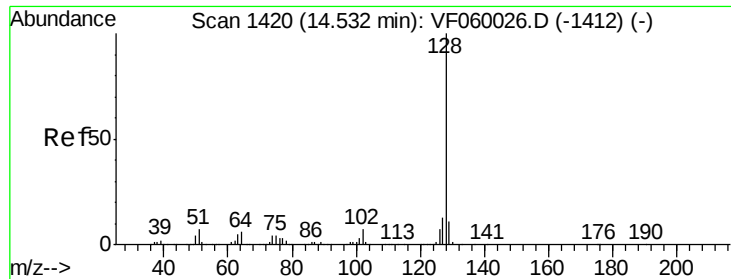
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





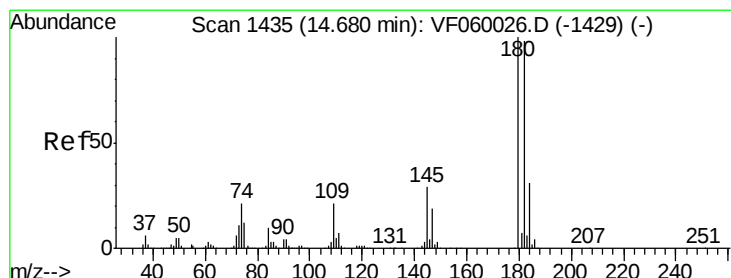
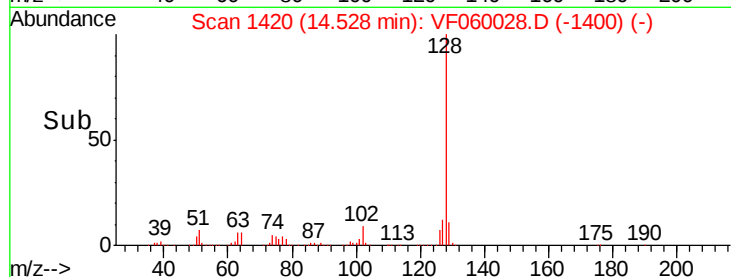
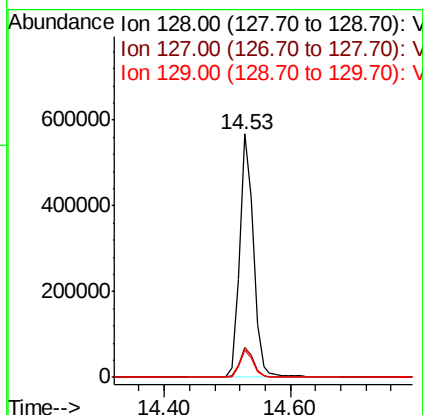
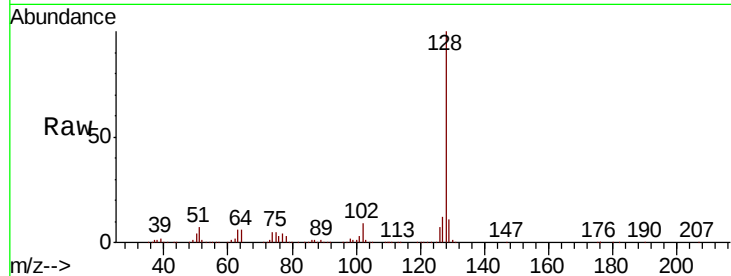
#95
Naphthalene
Concen: 116.93 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. -0.00 min
Lab File: VF060028.D
Acq: 21 Aug 2018 19:18

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
128	100	839517		
127	12.4		10.4	15.6
129	11.5		8.5	12.7

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#96
1,2,3-Trichlorobenzene
Concen: 86.51 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VF060028.D
Acq: 21 Aug 2018 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	414745		
182	98.8		49.0	147.2
145	33.2		14.4	43.2

