

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110718\
 Data File : VF060628.D
 Acq On : 7 Nov 2018 14:21
 Operator : VA/AP
 Sample : VF1107SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1107SBS01

Manual Integrations
 APPROVED

apatel
 11/8/2018 10:28:40 AM

Quant Time: Nov 07 15:06:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	271359	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.60	114	468371	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	402897	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	220511	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	147296	53.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.44%	
35) Dibromofluoromethane	4.12	113	188647	52.13	ug/l	0.02
Spiked Amount 50.000			Recovery	=	104.26%	
50) Toluene-d8	7.57	98	507118	47.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.62%	
62) 4-Bromofluorobenzene	11.41	95	224797	47.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.88%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	80787	26.619	ug/l	93
3) Chloromethane	1.10	50	57082	24.035	ug/l	94
4) Vinyl Chloride	1.15	62	52011	23.766	ug/l	96
5) Bromomethane	1.33	94	29440	23.966	ug/l	86
6) Chloroethane	1.38	64	17792	19.933	ug/l #	87
7) Trichlorofluoromethane	1.50	101	96198m	23.486	ug/l	
8) Diethyl Ether	1.64	74	15252	20.091	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.83	101	54322	23.209	ug/l	94
10) Methyl Iodide	1.90	142	84528	21.946	ug/l	96
11) Tert butyl alcohol	2.59	59	12095	79.616	ug/l	97
12) 1,1-Dichloroethene	1.79	96	41677	21.141	ug/l #	87
13) Acrolein	2.01	56	11055	103.135	ug/l	96
14) Allyl chloride	2.10	41	73465	22.823	ug/l	97
15) Acrylonitrile	2.95	53	30801	94.263	ug/l	98
16) Acetone	2.24	43	67359	104.261	ug/l	99
17) Carbon Disulfide	1.83	76	125791	22.653	ug/l	97
18) Methyl Acetate	2.35	43	21451	21.650	ug/l	97
19) Methyl tert-butyl Ether	2.44	73	94399	20.485	ug/l	99
20) Methylene Chloride	2.19	84	43358m	19.277	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	45580	22.039	ug/l	91
22) Diisopropyl ether	2.81	45	137997	20.234	ug/l #	93
23) Vinyl Acetate	3.20	43	388344	94.773	ug/l	99
24) 1,1-Dichloroethane	2.88	63	86207	21.841	ug/l	98
25) 2-Butanone	4.34	43	129387	85.368	ug/l	97
26) 2,2-Dichloropropane	3.60	77	70012	23.706	ug/l	95
27) cis-1,2-Dichloroethene	3.48	96	81566	20.659	ug/l	97
28) Bromochloromethane	3.73	49	53481	21.592	ug/l	93
29) Tetrahydrofuran	4.09	42	47916	93.305	ug/l	98
30) Chloroform	3.87	83	131123	20.998	ug/l	98
31) Cyclohexane	3.71	56	119995	22.031	ug/l #	93
32) 1,1,1-Trichloroethane	4.11	97	110644	25.370	ug/l	98
36) 1,1-Dichloropropene	4.29	75	110408	21.409	ug/l	100
37) Ethyl Acetate	4.12	43	47303	19.108	ug/l	91
38) Carbon Tetrachloride	4.00	117	98661m	22.389	ug/l	

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	136691	21.720	ug/l	96
40) Benzene	4.65	78	264523	21.131	ug/l	100
41) Methacrylonitrile	4.76	41	22570	16.099	ug/l #	90
42) 1,2-Dichloroethane	4.95	62	70359	19.583	ug/l	93
43) Isopropyl Acetate	6.97	43	60571	19.343	ug/l #	96
44) Trichloroethene	5.52	130	78424	20.845	ug/l	97
45) 1,2-Dichloropropane	6.25	63	64201	20.053	ug/l	100
46) Dibromomethane	6.10	93	40667	20.022	ug/l #	82
47) Bromodichloromethane	6.39	83	98349	20.075	ug/l	93
48) Methyl methacrylate	6.73	41	36607	18.601	ug/l	95
49) 1,4-Dioxane	6.72	88	6917	335.977	ug/l	96
51) 4-Methyl-2-Pentanone	8.27	43	200902	95.405	ug/l	94
52) Toluene	7.64	92	165554	20.303	ug/l	96
53) t-1,3-Dichloropropene	8.29	75	81734	19.196	ug/l	97
54) cis-1,3-Dichloropropene	7.31	75	109328	20.322	ug/l	98
55) 1,1,2-Trichloroethane	8.50	97	45415	19.139	ug/l	98
56) Ethyl methacrylate	8.63	69	55444	18.161	ug/l	99
57) 1,3-Dichloropropane	8.87	76	81455	19.564	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.64	63	22188	101.200	ug/l	100
59) 2-Hexanone	9.50	43	165994	104.107	ug/l	97
60) Dibromochloromethane	8.73	129	61977	18.676	ug/l	95
61) 1,2-Dibromoethane	9.00	107	47439	19.011	ug/l	91
64) Tetrachloroethene	8.17	164	62891	19.918	ug/l	96
65) Chlorobenzene	9.81	112	169045	20.517	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	74123	21.291	ug/l	95
67) Ethyl Benzene	9.92	91	328990	22.004	ug/l	98
68) m/p-Xylenes	10.14	106	227930	40.470	ug/l	90
69) o-Xylene	10.72	106	131122	21.321	ug/l	93
70) Styrene	10.80	104	180670	20.278	ug/l	99
71) Bromoform	10.78	173	30095	16.738	ug/l	97
73) Isopropylbenzene	11.14	105	392145	22.803	ug/l	97
74) N-amyl acetate	11.38	43	99466	20.742	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.70	83	62836	20.018	ug/l	92
76) 1,2,3-Trichloropropane	11.88	75	28857	18.706	ug/l	97
77) Bromobenzene	11.50	156	77895	20.700	ug/l	97
78) n-propylbenzene	11.60	91	457732	22.749	ug/l	98
79) 2-Chlorotoluene	11.73	91	254320	22.132	ug/l	98
80) 1,3,5-Trimethylbenzene	11.83	105	311246	21.957	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.88	75	22049m	18.187	ug/l	
82) 4-Chlorotoluene	11.91	91	263191	21.953	ug/l	99
83) tert-Butylbenzene	12.13	119	332082	22.932	ug/l	96
84) 1,2,4-Trimethylbenzene	12.21	105	308428	22.218	ug/l	97
85) sec-Butylbenzene	12.31	105	438243	21.999	ug/l	98
86) p-Isopropyltoluene	12.47	119	366312	22.330	ug/l	98
87) 1,3-Dichlorobenzene	12.48	146	159206	21.555	ug/l	95
88) 1,4-Dichlorobenzene	12.57	146	143736	20.518	ug/l	94
89) n-Butylbenzene	12.85	91	381474	21.388	ug/l	97
90) Hexachloroethane	12.92	117	91241	21.871	ug/l	77
91) 1,2-Dichlorobenzene	12.95	146	149177	21.589	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	10420	19.107	ug/l	86

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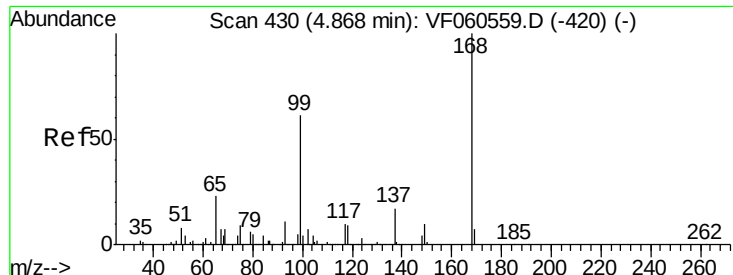
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	103688	22.088	ug/l	97
94) Hexachlorobutadiene	14.20	225	64937	21.348	ug/l	95
95) Naphthalene	14.46	128	195874	20.847	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	94101	21.221	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.02 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

ClientSampleId :

VF1107SBS01

Tot Ion:168 Resp: 271359

Ion Ratio Lower Upper

168 100

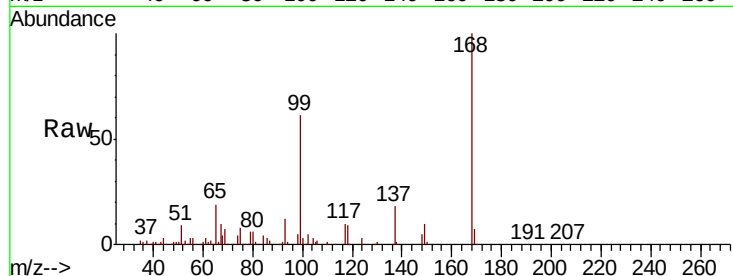
99 60.9 48.6 72.8

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

80000

60000

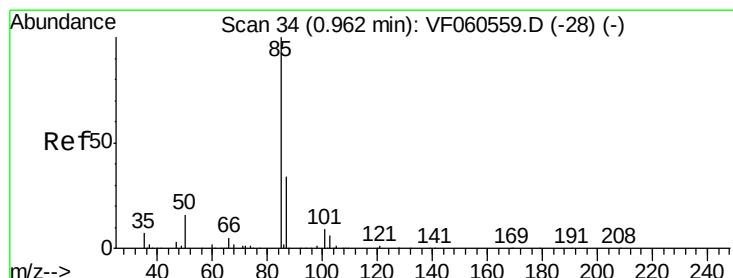
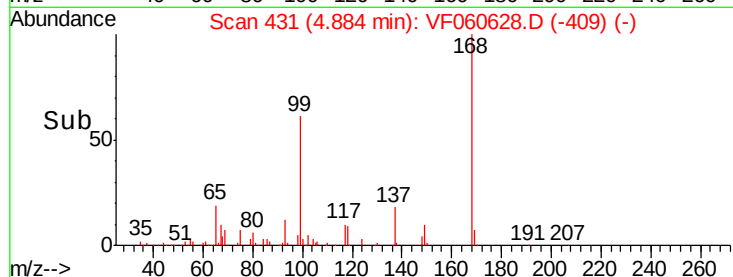
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 26.619 ug/l

RT: 0.97 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF060628.D

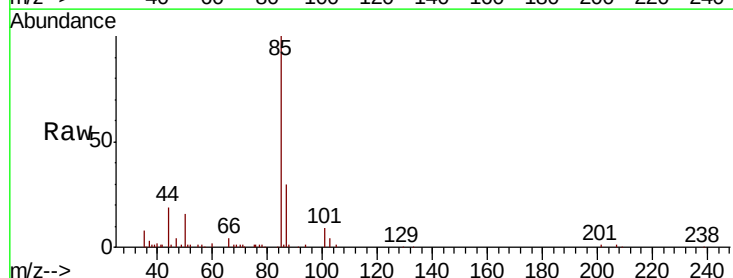
Acq: 7 Nov 2018 14:21

Tgt Ion: 85 Resp: 80787

Ion Ratio Lower Upper

85 100

87 29.8 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

25000

20000

15000

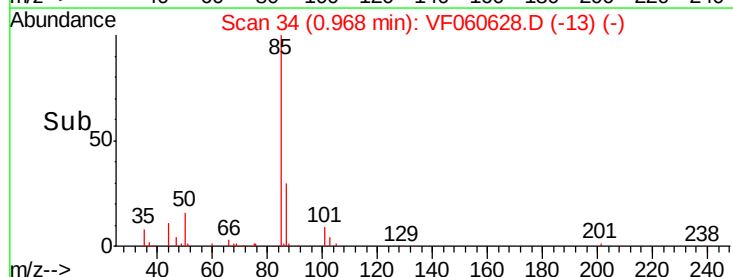
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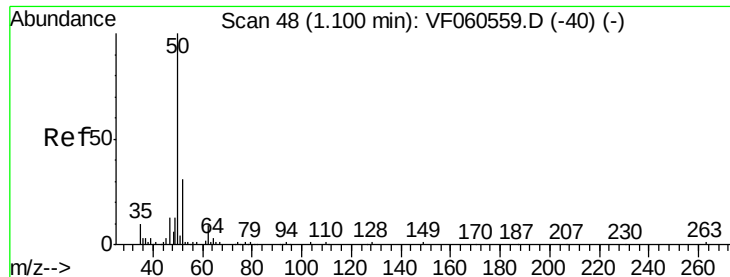
5000

0

0.80 0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 24.035 ug/l

RT: 1.10 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

ClientSampleId :

VF1107SBS01

Tot Ion: 50 Resp: 57082

Ion Ratio Lower Upper

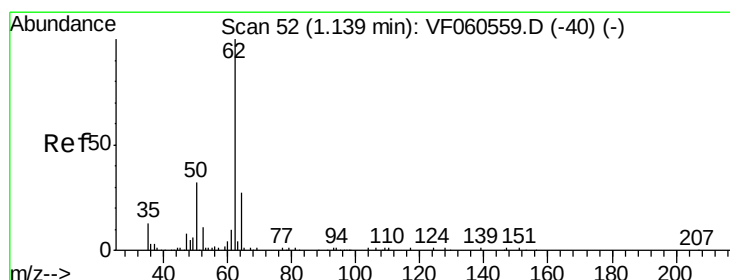
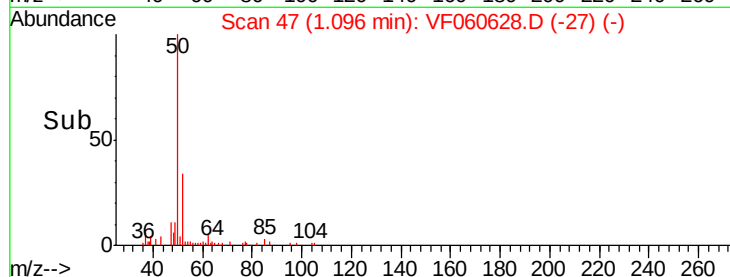
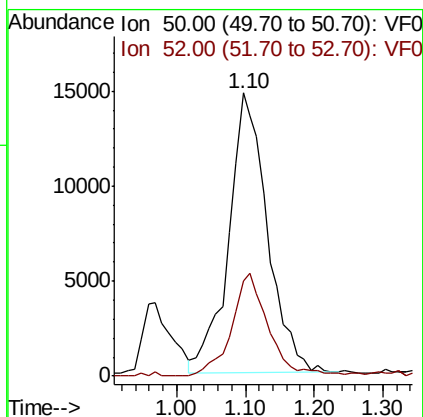
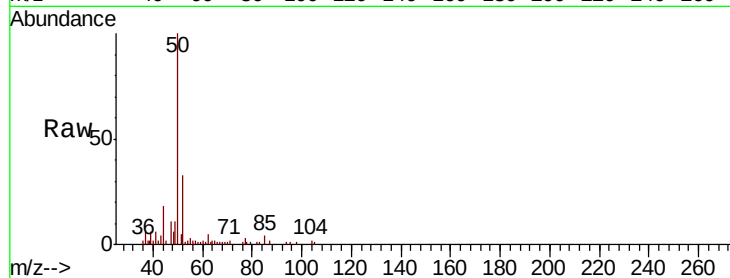
50 100

52 33.5 24.0 36.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 23.766 ug/l

RT: 1.15 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF060628.D

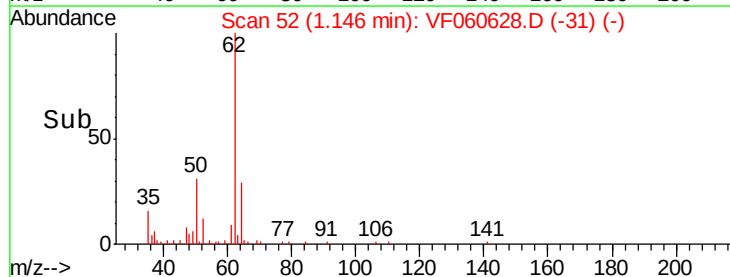
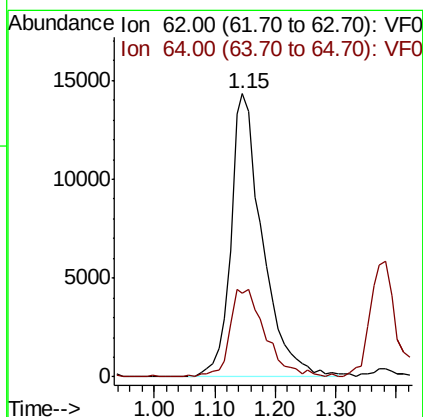
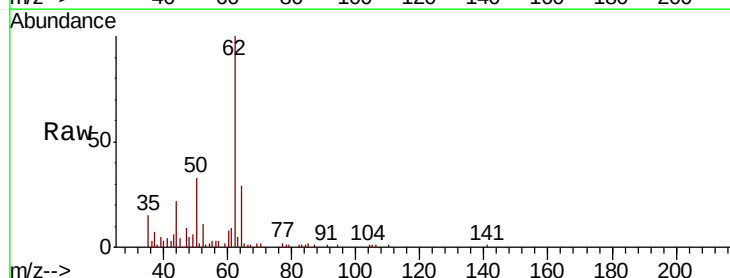
Acq: 7 Nov 2018 14:21

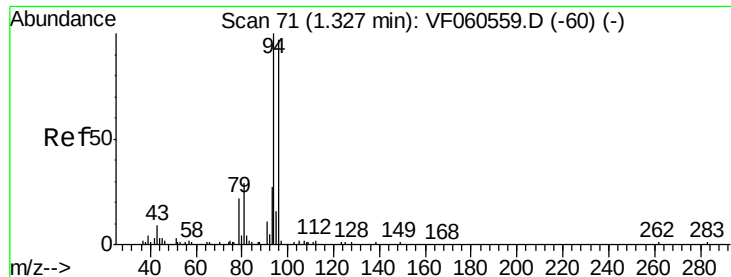
Tgt Ion: 62 Resp: 52011

Ion Ratio Lower Upper

62 100

64 29.5 21.8 32.6





#5

Bromomethane

Concen: 23.966 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

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ClientSampleId :

VF1107SBS01

Tot Ion: 94 Resp: 29440

Ion Ratio Lower Upper

94 100

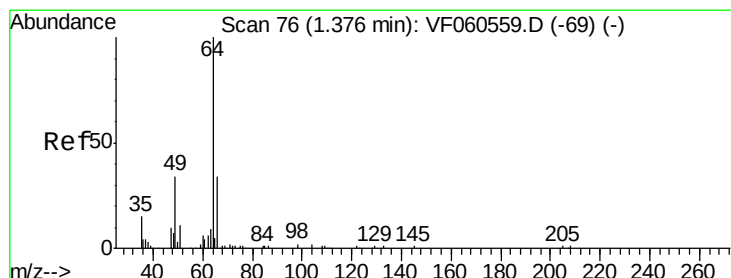
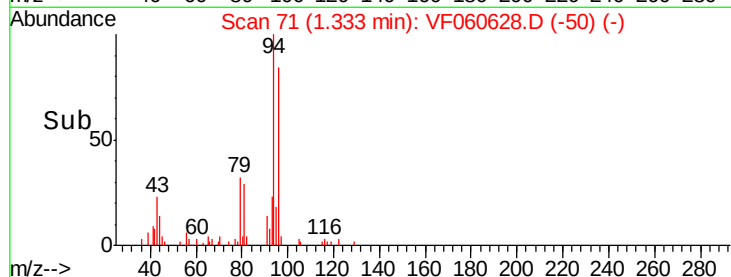
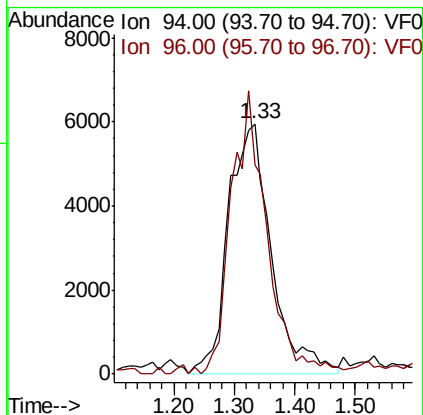
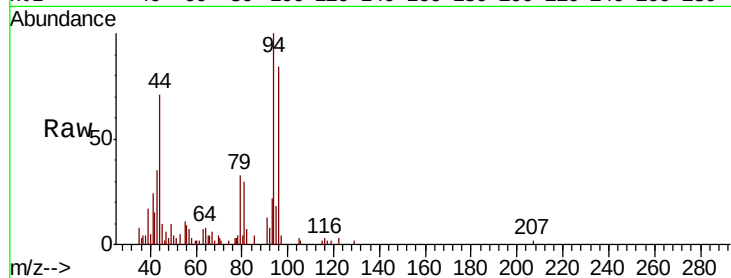
96 83.5 77.9 116.9

Manual Integrations

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#6

Chloroethane

Concen: 19.933 ug/l

RT: 1.38 min Scan# 76

Delta R.T. 0.01 min

Lab File: VF060628.D

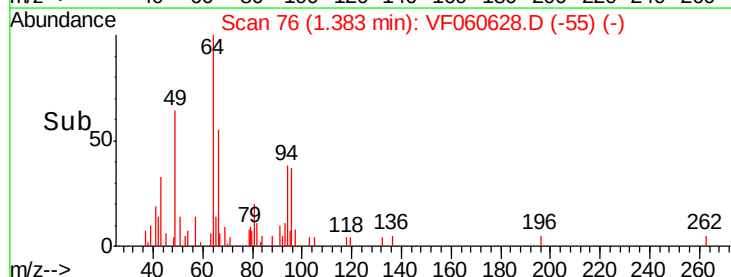
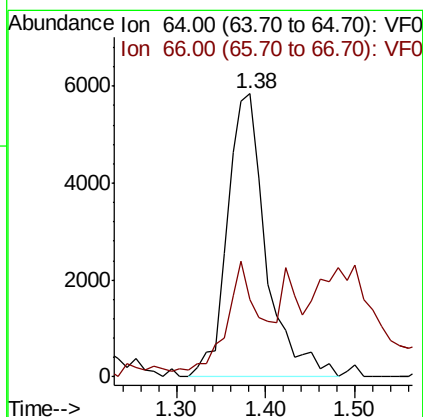
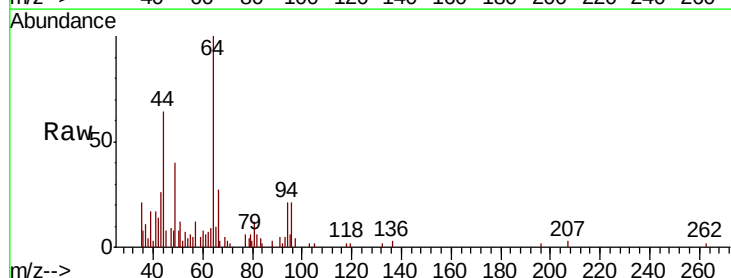
Acq: 7 Nov 2018 14:21

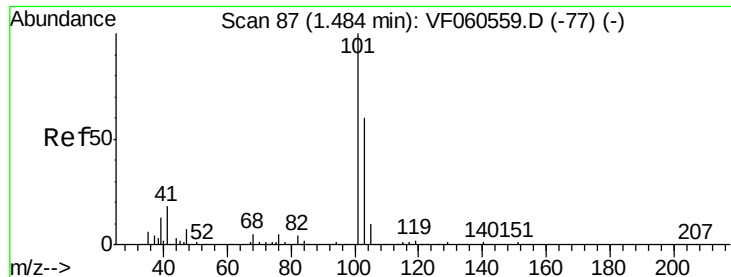
Tgt Ion: 64 Resp: 17792

Ion Ratio Lower Upper

64 100

66 27.4 27.8 41.8#





#7

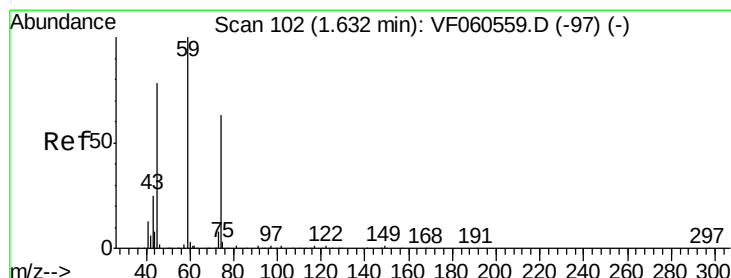
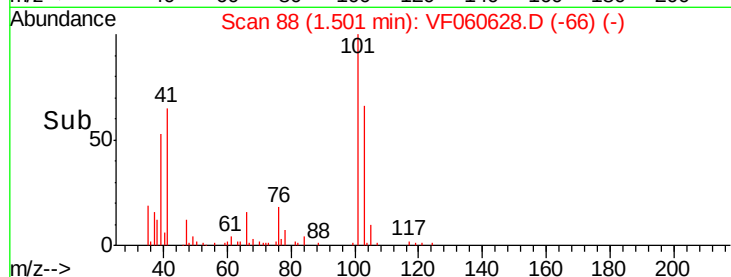
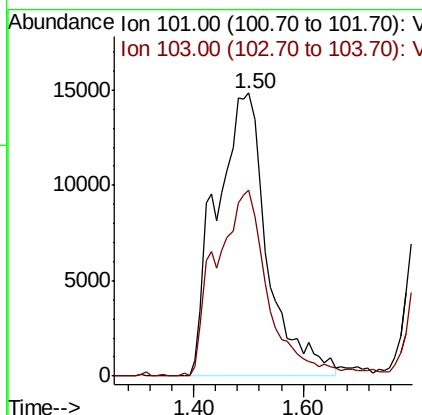
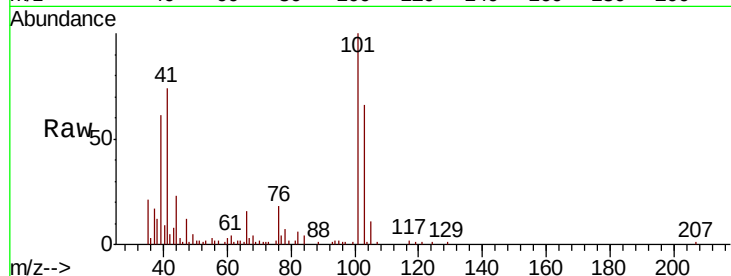
Trichlorofluoromethane
 Concen: 23.486 ug/l m
 RT: 1.50 min Scan# 88
 Delta R.T. 0.02 min
 Lab File: VF060628.D
 Acq: 7 Nov 2018 14:21

Instrument :
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 ClientSampleId :
 VF1107SBS01

Tot Ion:101 Resp: 96198
 Ion Ratio Lower Upper
 101 100
 103 65.9 48.0 72.0

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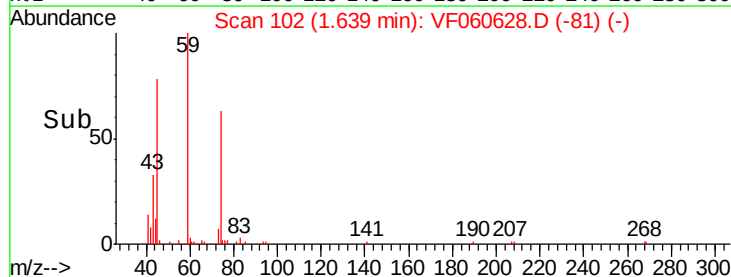
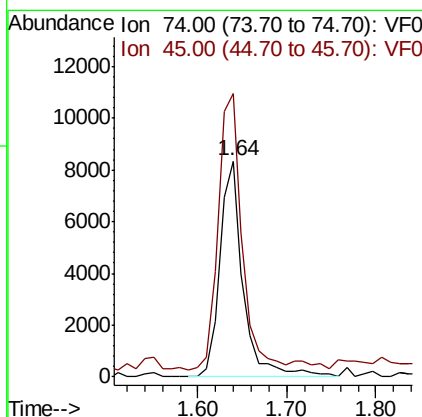
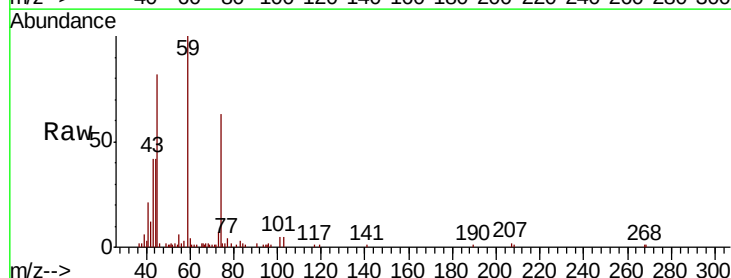
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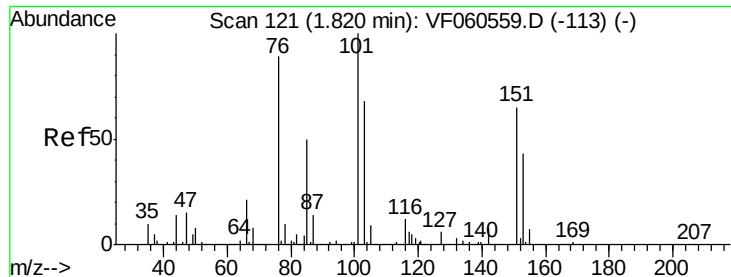


#8

Diethyl Ether
 Concen: 20.091 ug/l
 RT: 1.64 min Scan# 102
 Delta R.T. 0.01 min
 Lab File: VF060628.D
 Acq: 7 Nov 2018 14:21

Tgt Ion: 74 Resp: 15252
 Ion Ratio Lower Upper
 74 100
 45 131.3 63.8 191.5





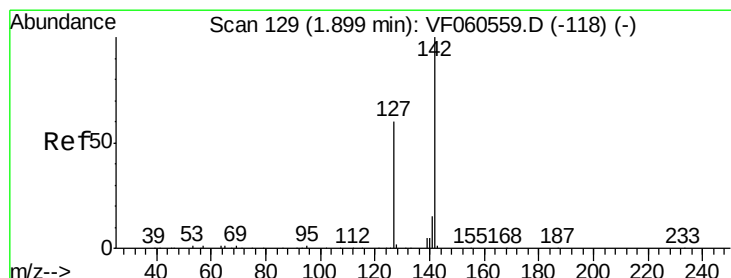
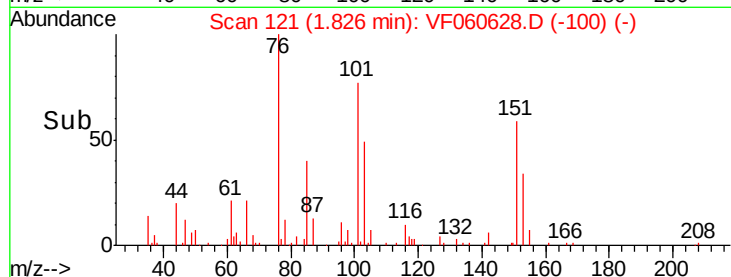
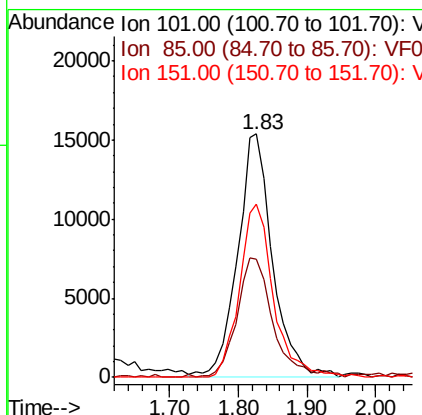
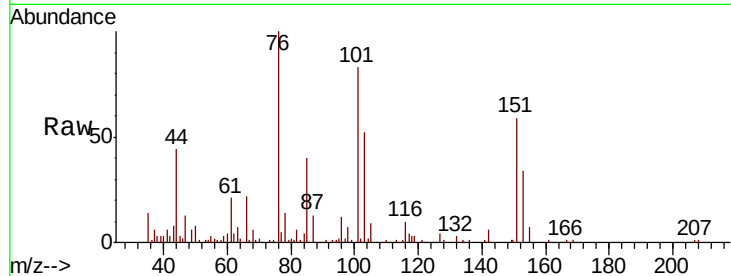
#9
1,1,2-Trichlorotrifluoroethane
Concen: 23.209 ug/l
RT: 1.83 min Scan# 121
Delta R.T. 0.01 min
Lab File: VF060628.D
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
85	48.7	39.8	59.6
151	71.0	50.8	76.2

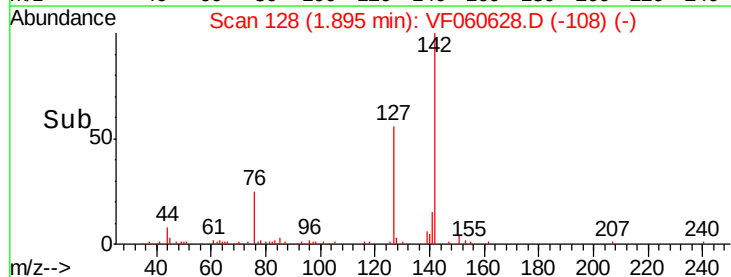
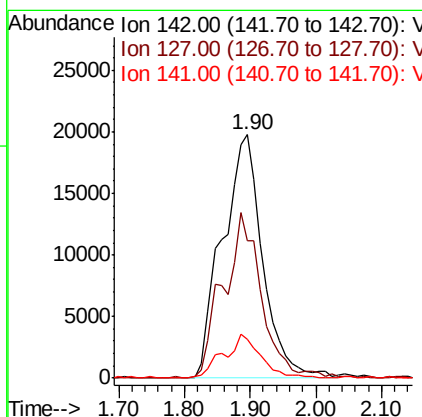
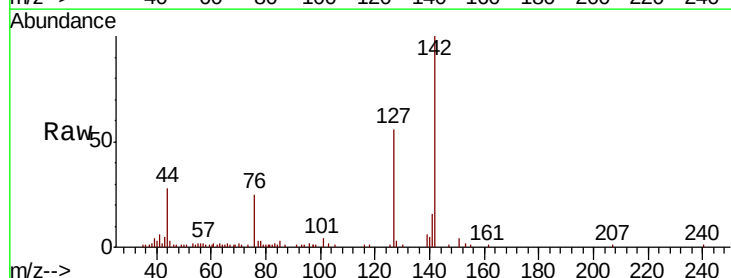
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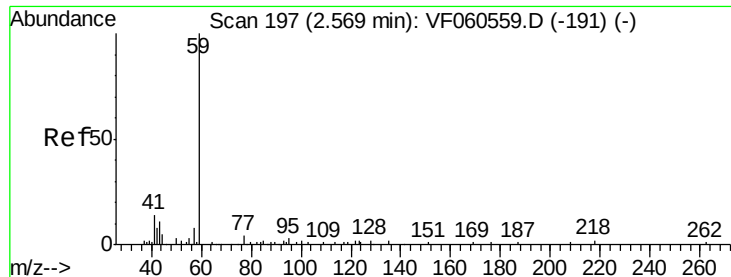
apatel
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#10
Methyl Iodide
Concen: 21.946 ug/l
RT: 1.90 min Scan# 128
Delta R.T. -0.00 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Tgt Ion	Ratio	Lower	Upper
142	100		
127	56.4	47.8	71.6
141	16.0	12.7	19.1





#11

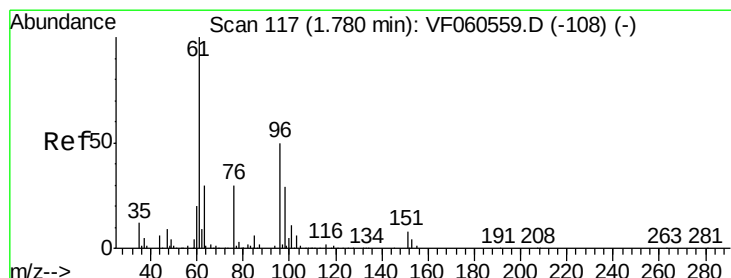
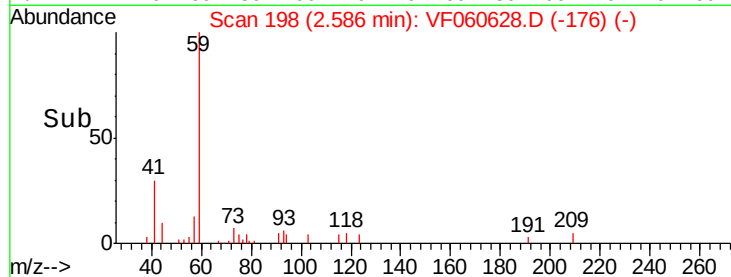
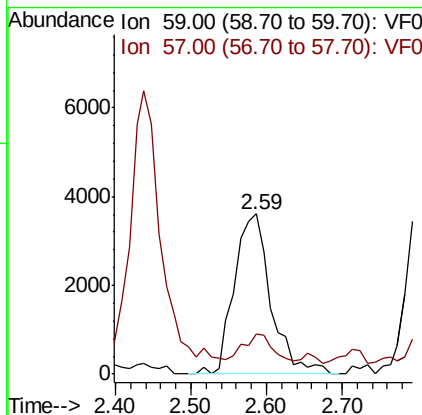
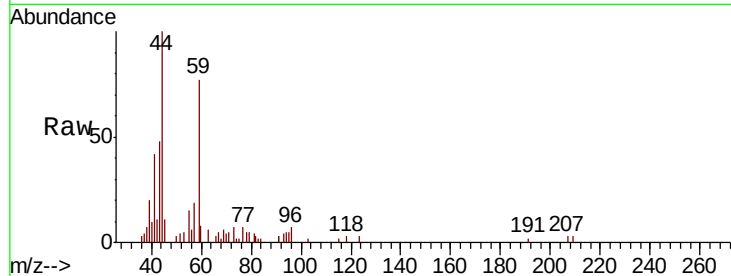
Tert butyl alcohol
Concen: 79.616 ug/l
RT: 2.59 min Scan# 198
Delta R.T. 0.02 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Instrument :
MSVOA_F
ClientSampleId :
VF1107SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	25.3	19.0	28.4

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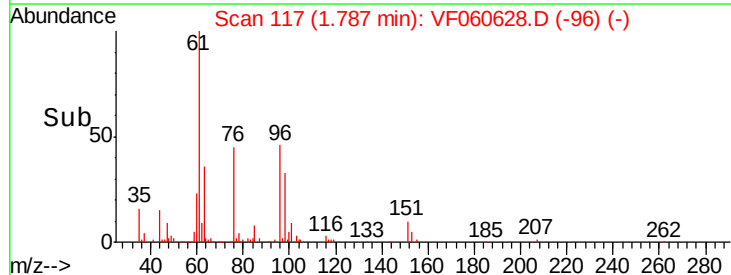
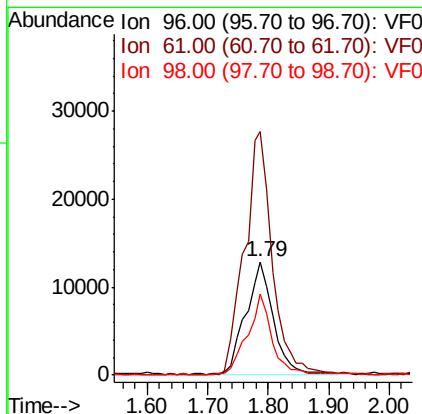
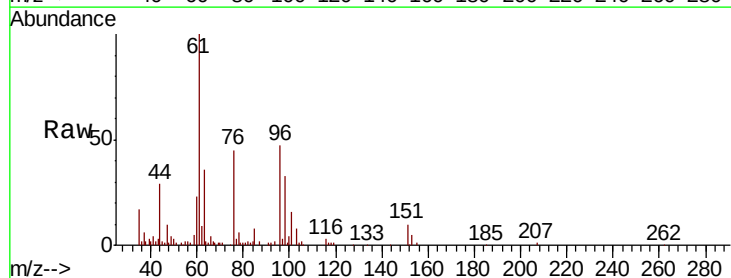
apatel
11/8/2018 10:28:40 AM

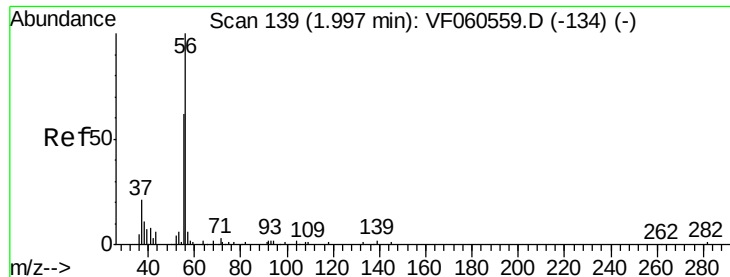


#12

1,1-Dichloroethene
Concen: 21.141 ug/l
RT: 1.79 min Scan# 117
Delta R.T. 0.01 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	215.0	158.1	237.1
98	71.3	47.0	70.6#





#13

Acrolein

Concen: 103.135 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.02 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

ClientSampleId :

VF1107SBS01

Tot Ion: 56 Resp: 11055

Ion Ratio Lower Upper

56 100

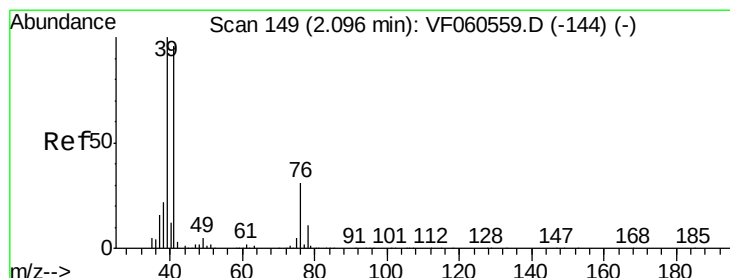
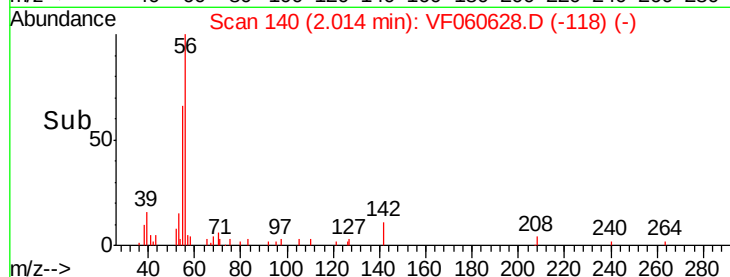
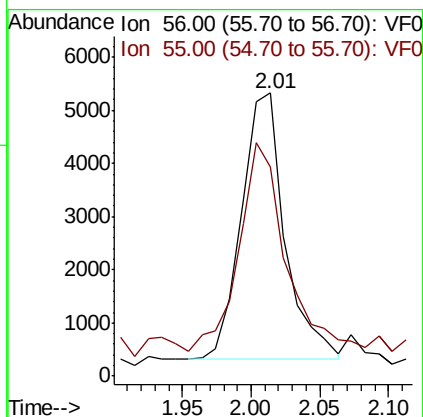
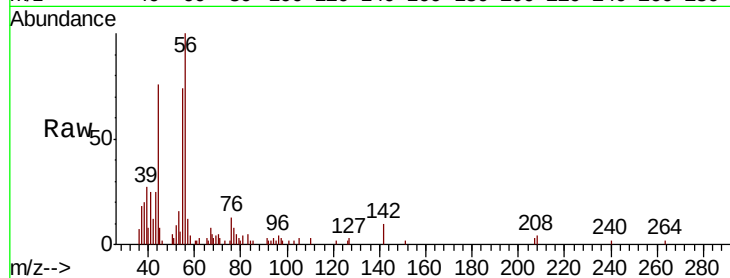
55 73.9 61.8 92.6

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#14

Allyl chloride

Concen: 22.823 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

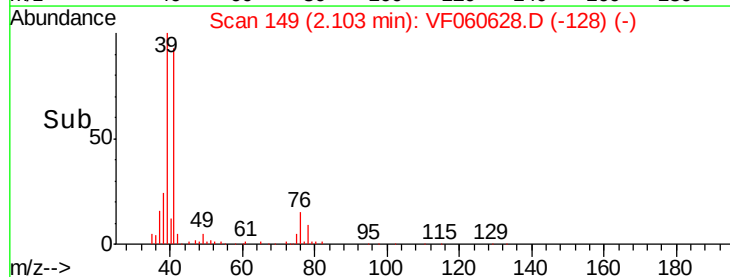
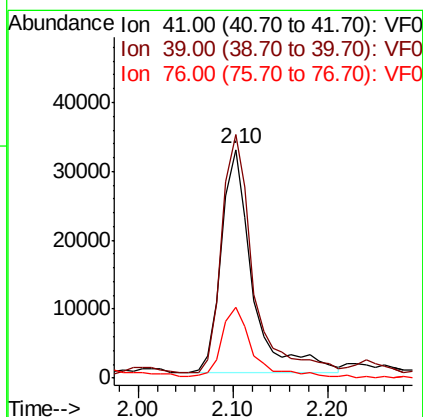
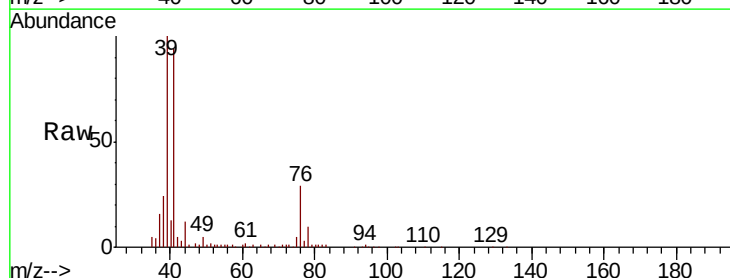
Tgt Ion: 41 Resp: 73465

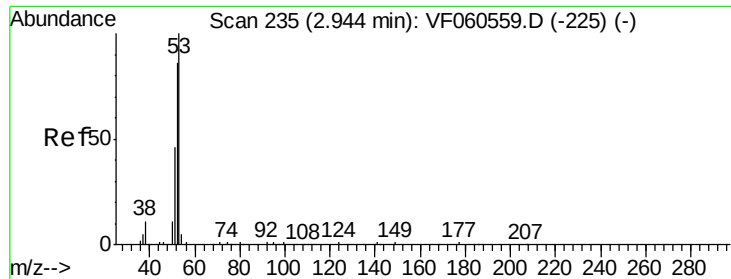
Ion Ratio Lower Upper

41 100

39 106.5 82.6 124.0

76 30.9 26.7 40.1





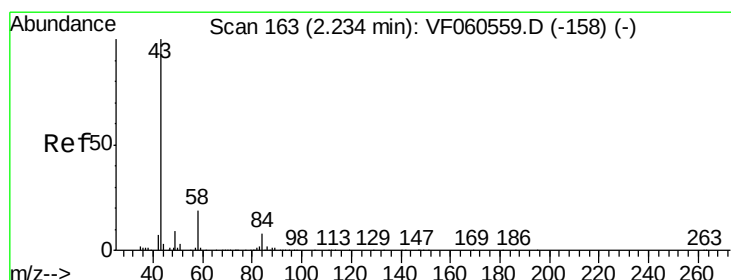
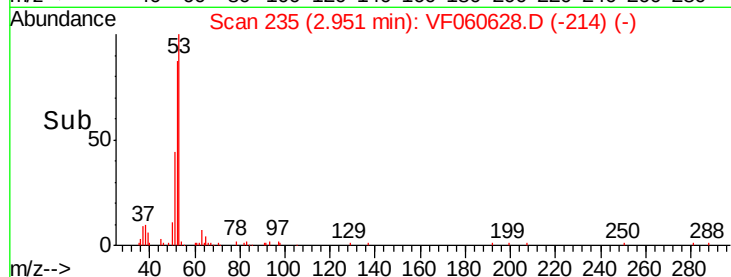
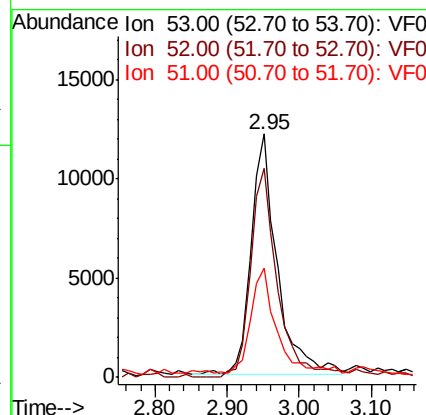
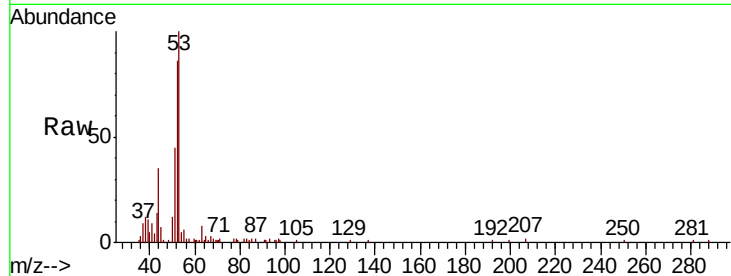
#15
 Acrylonitrile
 Concen: 94.263 ug/l
 RT: 2.95 min Scan# 235
 Delta R.T. 0.01 min
 Lab File: VF060628.D
 Acq: 7 Nov 2018 14:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1107SBS01

Tot Ion:	53	Resp:	30801
Ion	Ratio	Lower	Upper
53	100		
52	86.0	68.5	102.7
51	44.9	38.2	57.2

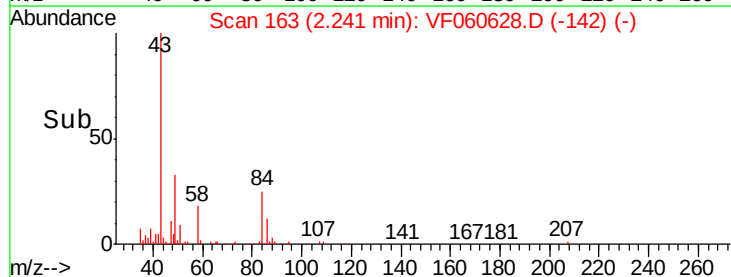
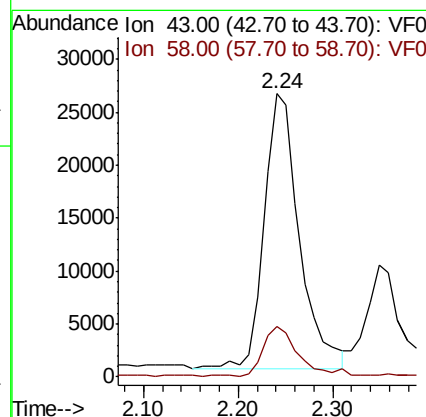
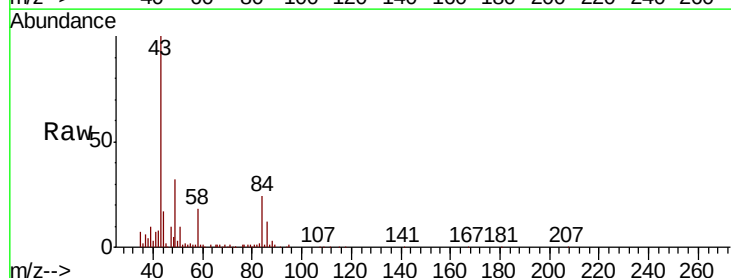
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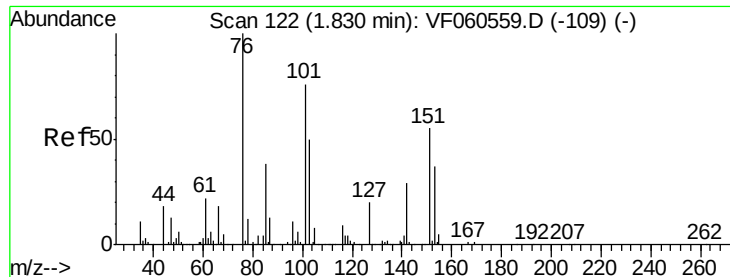
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#16
 Acetone
 Concen: 104.261 ug/l
 RT: 2.24 min Scan# 163
 Delta R.T. 0.01 min
 Lab File: VF060628.D
 Acq: 7 Nov 2018 14:21

Tgt Ion:	43	Resp:	67359
Ion	Ratio	Lower	Upper
43	100		
58	17.9	14.6	22.0





#17

Carbon Disulfide

Concen: 22.653 ug/l

RT: 1.83 min Scan# 121

Delta R.T. -0.00 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

ClientSampleId :

VF1107SBS01

Tot Ion: 76 Resp: 125791

Ion Ratio Lower Upper

76 100

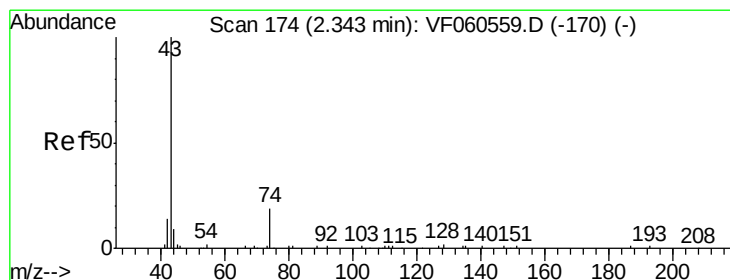
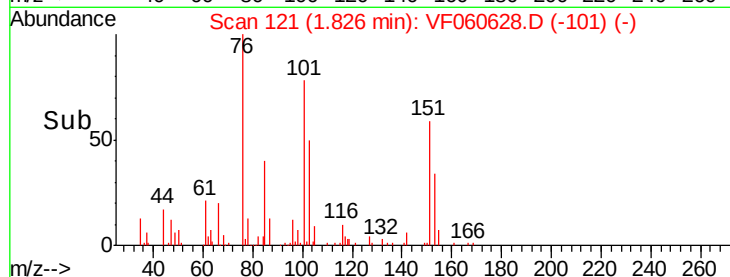
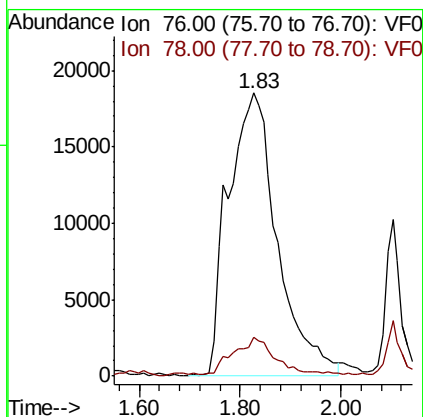
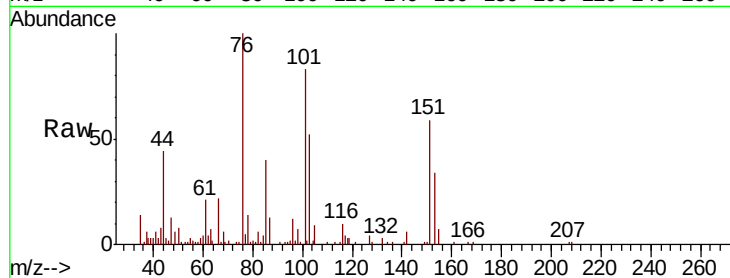
78 13.5 9.9 14.9

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#18

Methyl Acetate

Concen: 21.650 ug/l

RT: 2.35 min Scan# 174

Delta R.T. 0.01 min

Lab File: VF060628.D

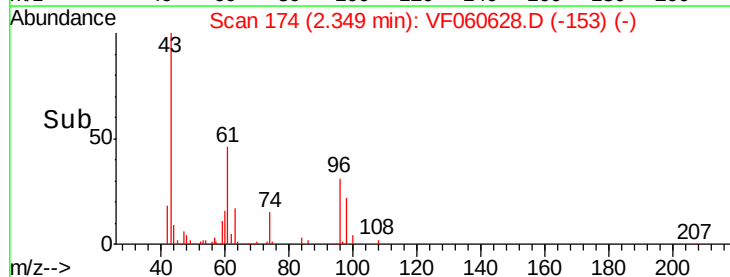
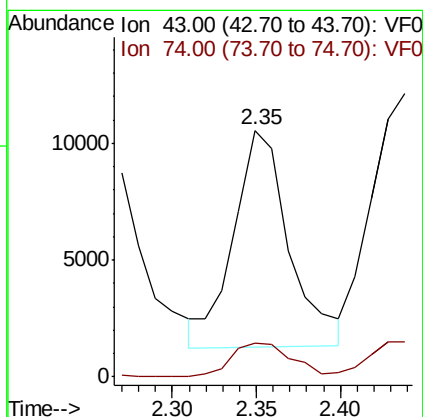
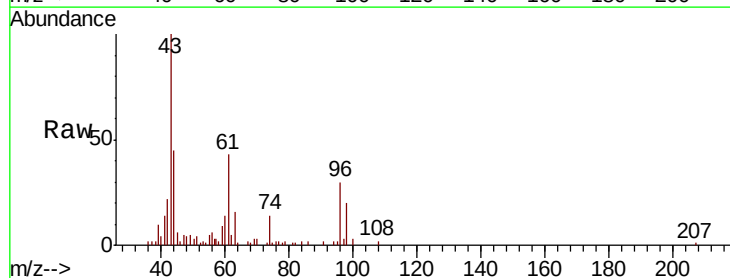
Acq: 7 Nov 2018 14:21

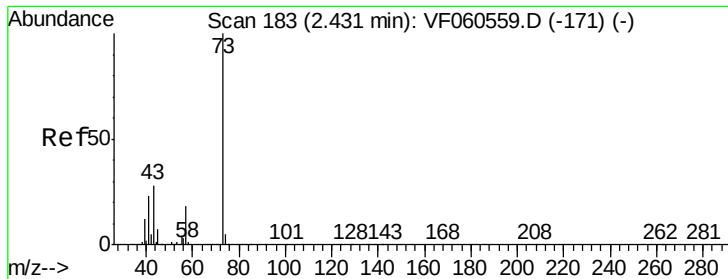
Tgt Ion: 43 Resp: 21451

Ion Ratio Lower Upper

43 100

74 13.7 12.1 18.1





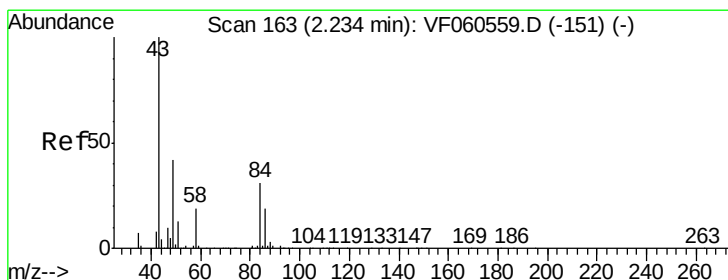
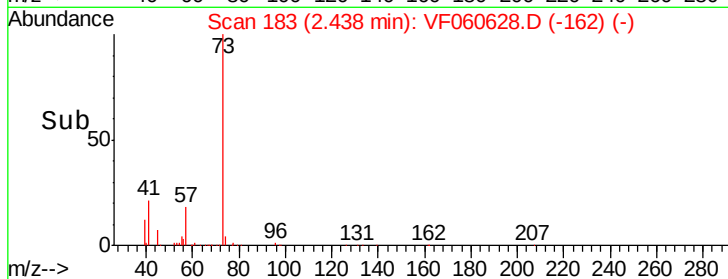
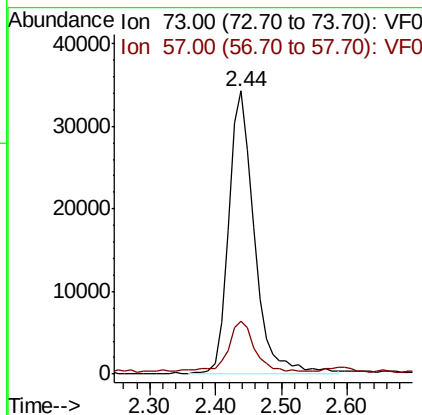
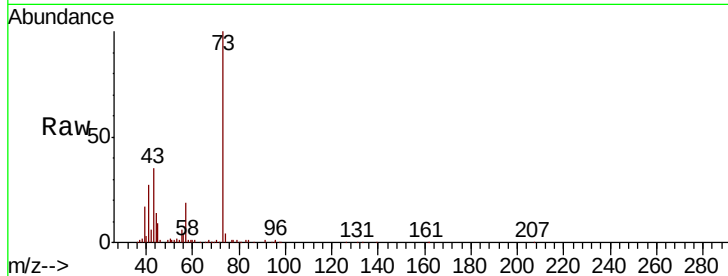
#19
Methyl tert-butyl Ether
Concen: 20.485 ug/l
RT: 2.44 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Instrument :
MSVOA_F
ClientSampleId :
VF1107SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.6	15.4	23.0

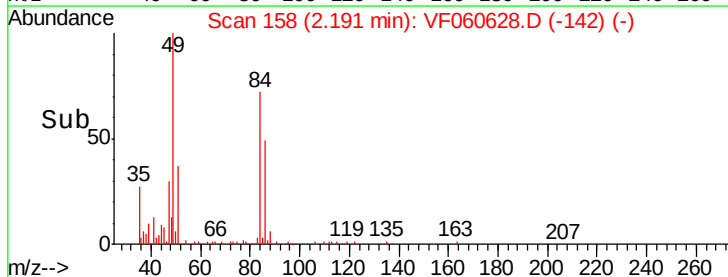
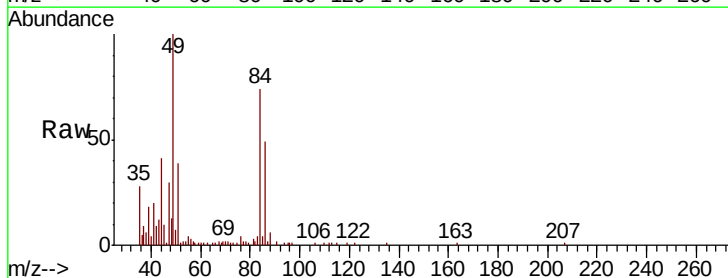
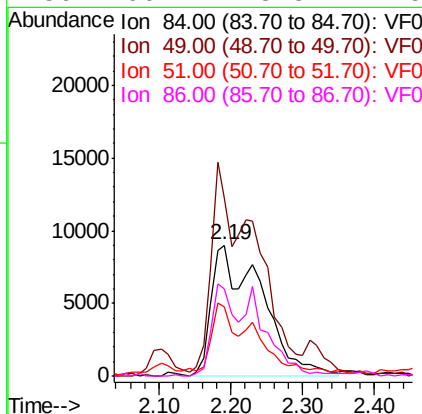
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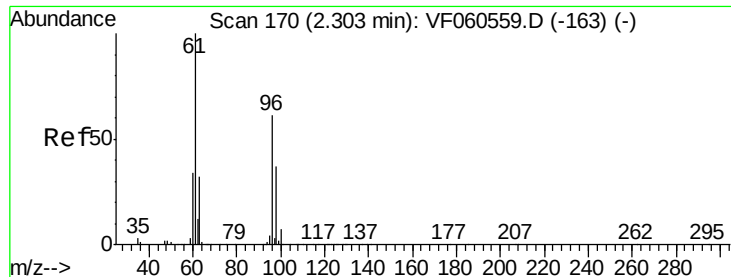
apatel
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#20
Methylene Chloride
Concen: 19.277 ug/l m
RT: 2.19 min Scan# 158
Delta R.T. -0.04 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Tgt Ion	Ratio	Lower	Upper
84	100		
49	135.5	109.9	164.9
51	53.1	35.8	53.8
86	66.7	48.3	72.5





#21

trans-1,2-Dichloroethene

Concen: 22.039 ug/l

RT: 2.32 min Scan# 171

Delta R.T. 0.02 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

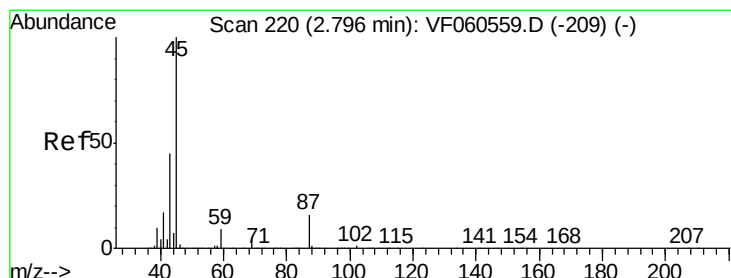
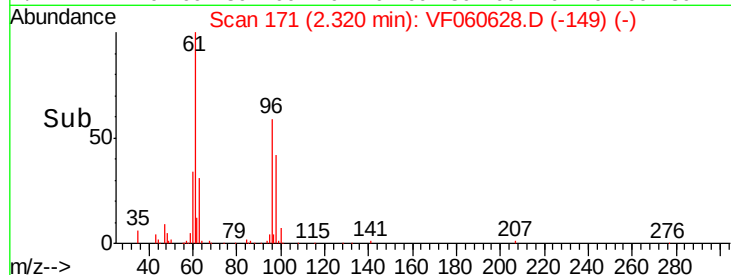
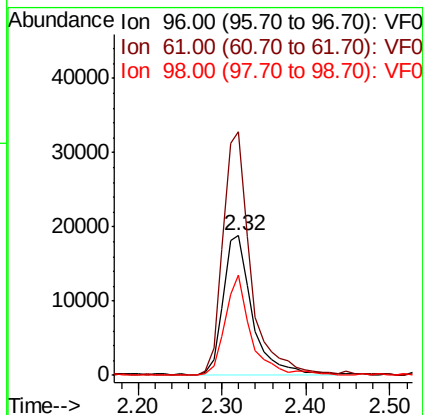
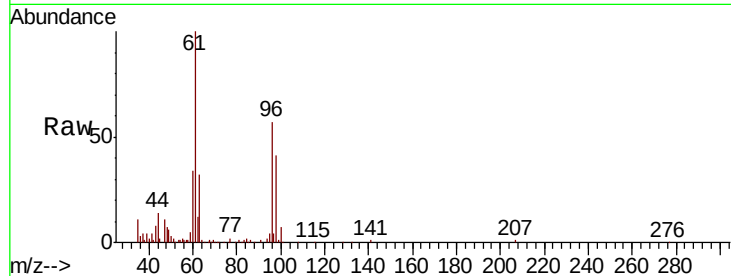
ClientSampleId :

VF1107SBS01

Tot Ion:	96	Resp:	45580
Ion	Ratio	Lower	Upper
96	100		
61	174.2	131.3	196.9
98	72.1	48.6	73.0

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#22

Diisopropyl ether

Concen: 20.234 ug/l

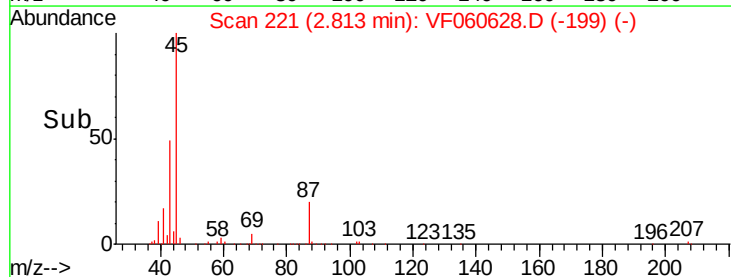
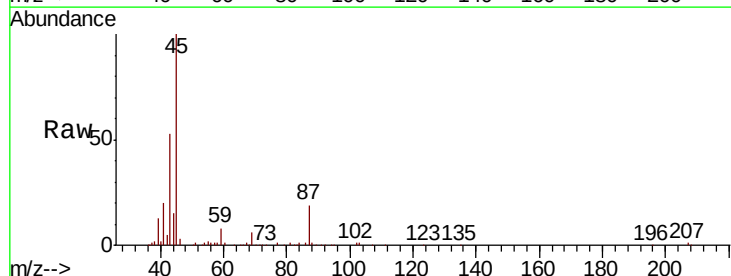
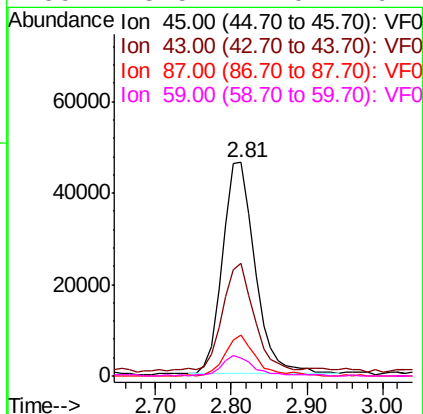
RT: 2.81 min Scan# 221

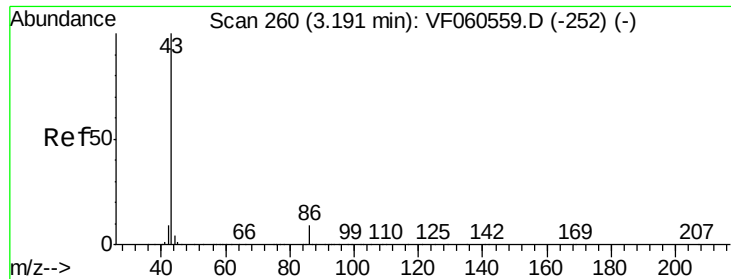
Delta R.T. 0.02 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Tgt Ion:	45	Resp:	137997
Ion	Ratio	Lower	Upper
45	100		
43	53.0	38.1	57.1
87	19.4	12.7	19.1#
59	8.5	7.0	10.4





#23

Vinyl Acetate

Concen: 94.773 ug/l

RT: 3.20 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

ClientSampleId :

VF1107SBS01

Tot Ion: 43 Resp: 388344

Ion Ratio Lower Upper

43 100

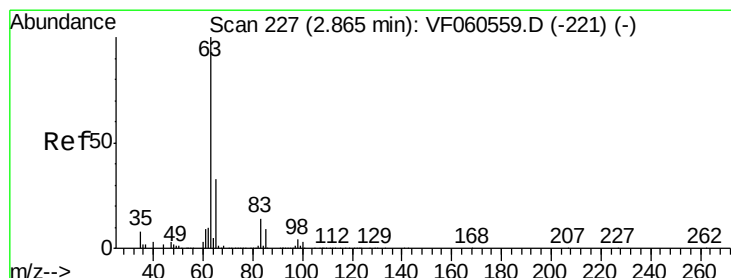
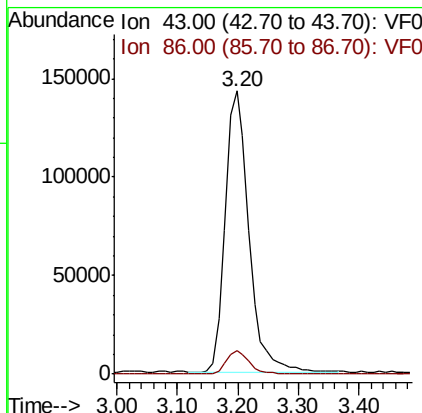
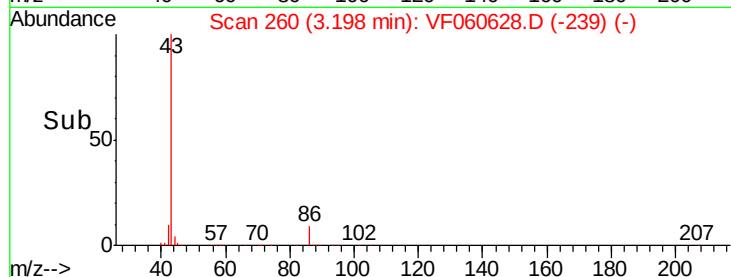
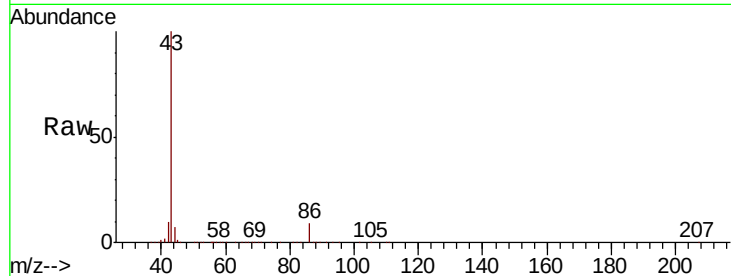
86 8.5 7.1 10.7

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#24

1,1-Dichloroethane

Concen: 21.841 ug/l

RT: 2.88 min Scan# 228

Delta R.T. 0.02 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

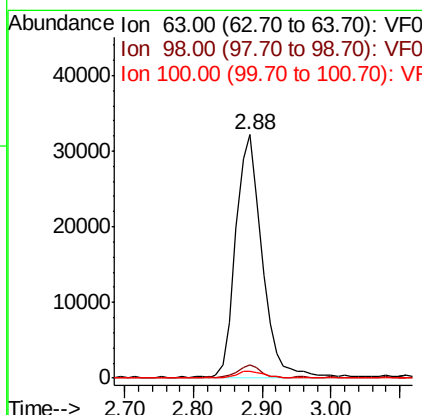
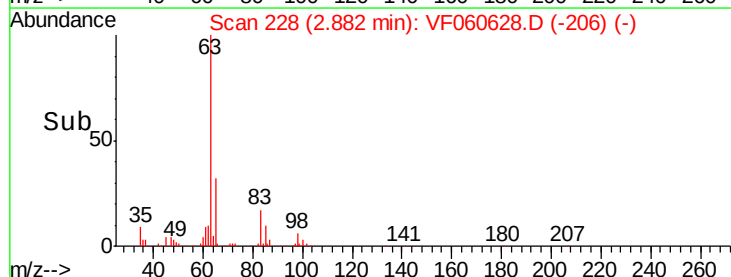
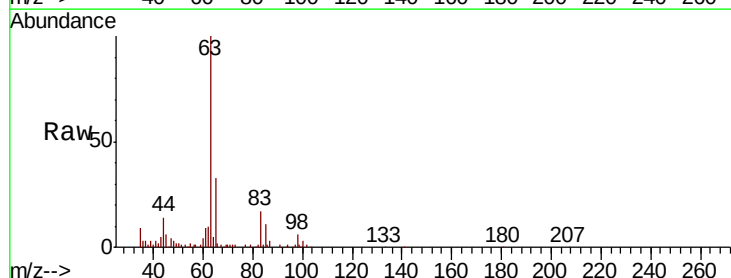
Tgt Ion: 63 Resp: 86207

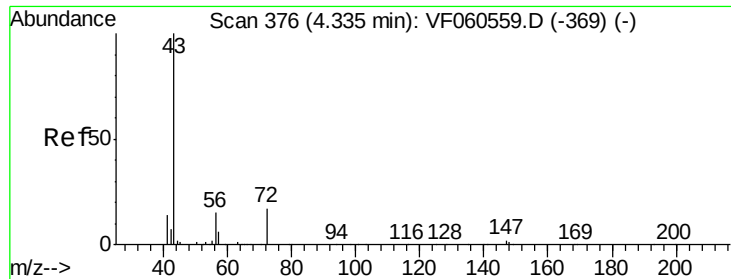
Ion Ratio Lower Upper

63 100

98 5.5 2.2 6.6

100 2.8 1.4 4.0





#25

2-Butanone

Concen: 85.368 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

ClientSampleId :

VF1107SBS01

Tot Ion: 43 Resp: 129387

Ion Ratio Lower Upper

43 100

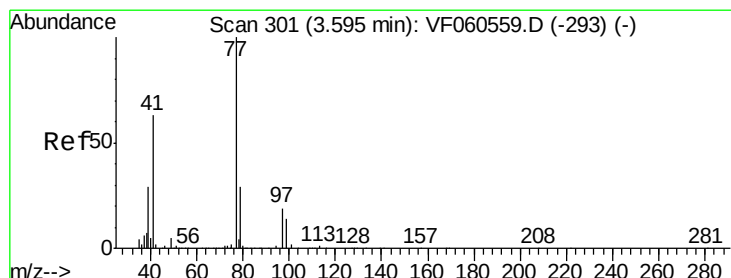
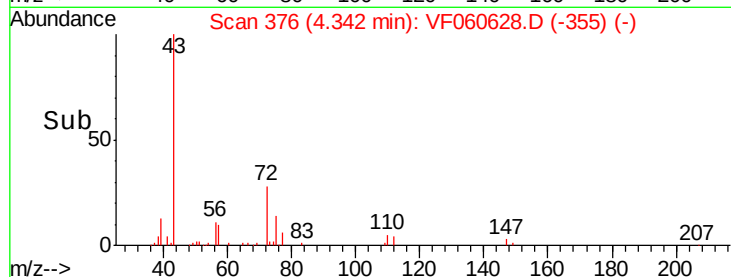
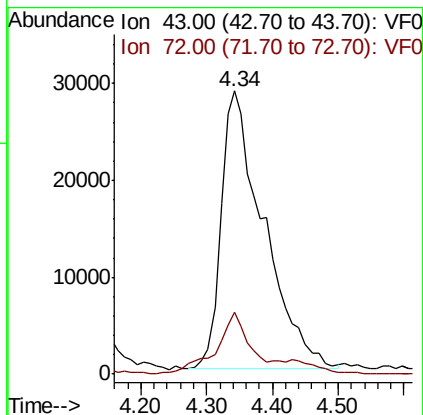
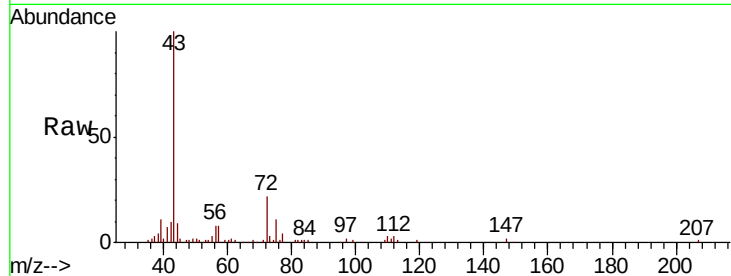
72 21.7 16.2 24.2

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#26

2,2-Dichloropropane

Concen: 23.706 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.01 min

Lab File: VF060628.D

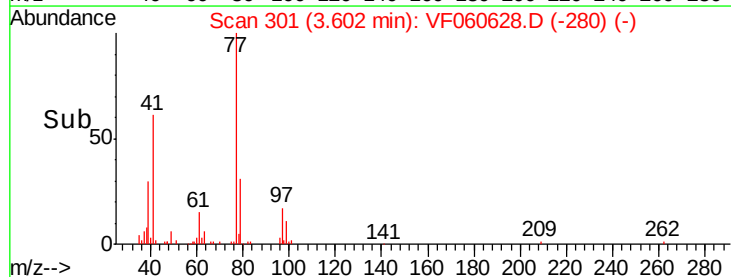
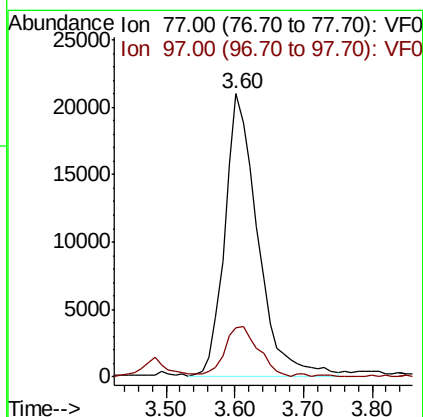
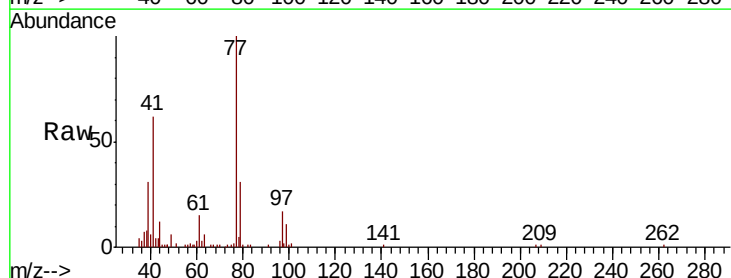
Acq: 7 Nov 2018 14:21

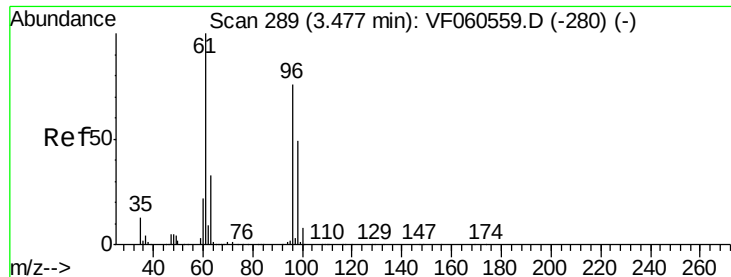
Tgt Ion: 77 Resp: 70012

Ion Ratio Lower Upper

77 100

97 17.2 9.8 29.3





#27

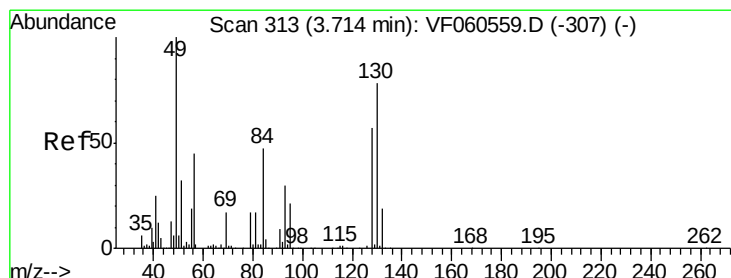
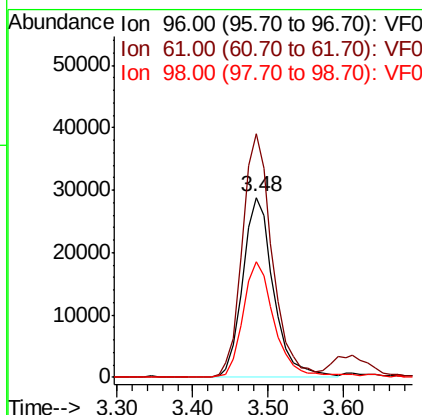
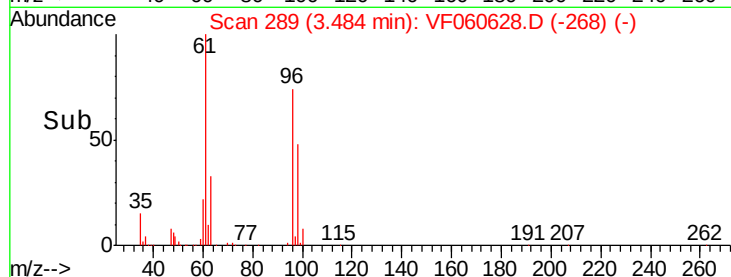
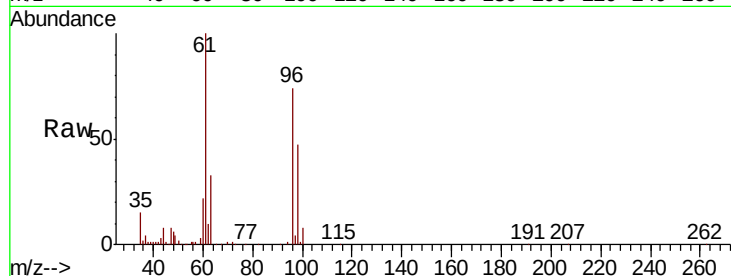
cis-1,2-Dichloroethene
Concen: 20.659 ug/l
RT: 3.48 min Scan# 289
Delta R.T. 0.01 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Instrument :
MSVOA_F
ClientSampleId :
VF1107SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	81566		
61	135.3	0.0	263.0	
98	64.2	0.0	130.6	

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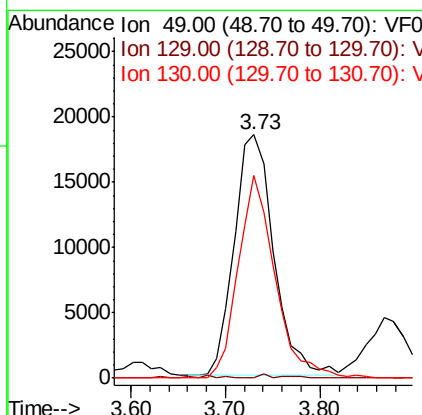
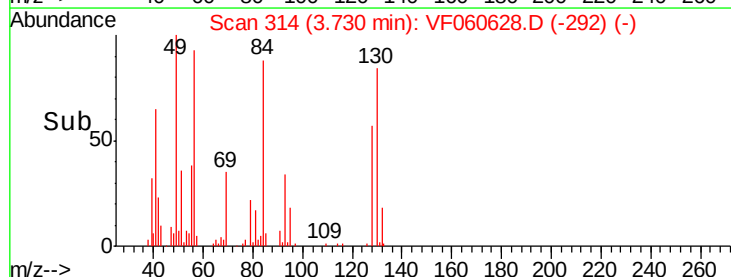
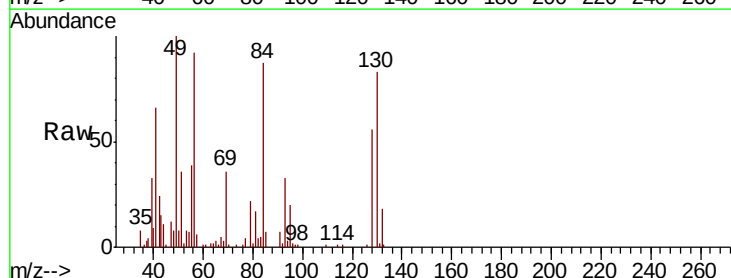
apatel
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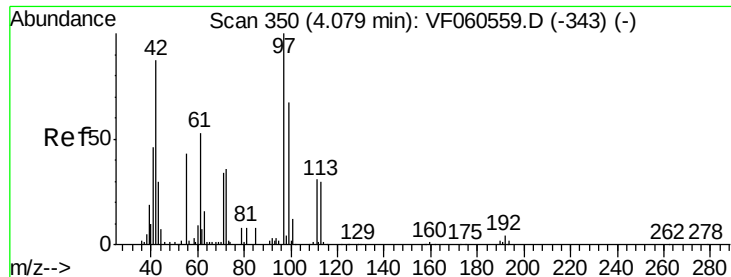


#28

Bromochloromethane
Concen: 21.592 ug/l
RT: 3.73 min Scan# 314
Delta R.T. 0.02 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	53481		
129	0.0	0.0	4.6	
130	83.2	61.8	92.8	





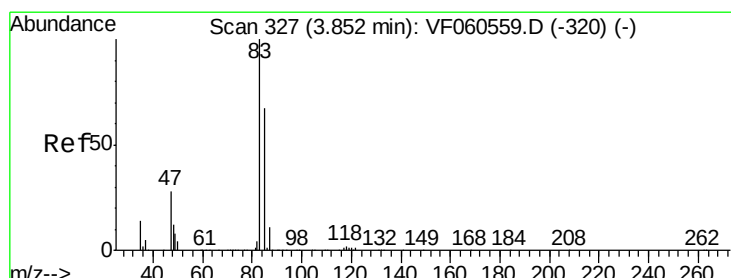
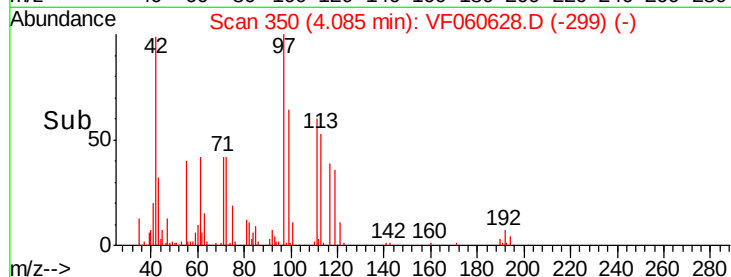
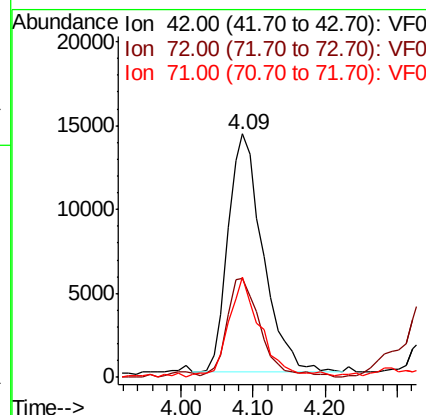
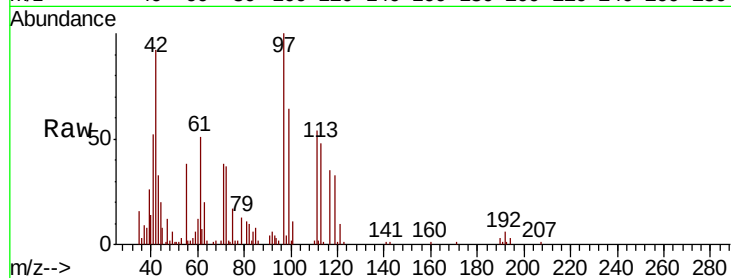
#29
Tetrahydrofuran
Concen: 93.305 ug/l
RT: 4.09 min Scan# 350
Delta R.T. 0.01 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Instrument :
MSVOA_F
ClientSampleId :
VF1107SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.1	31.4	47.0
71	37.9	31.8	47.6

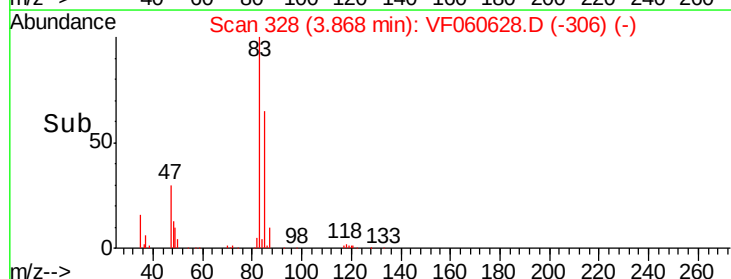
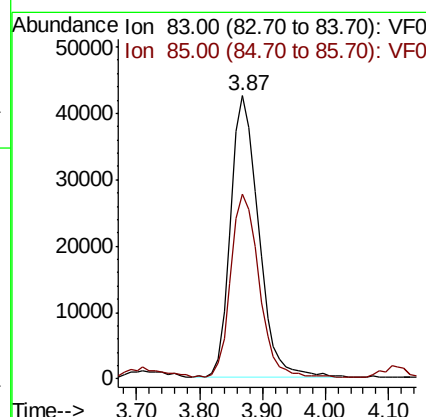
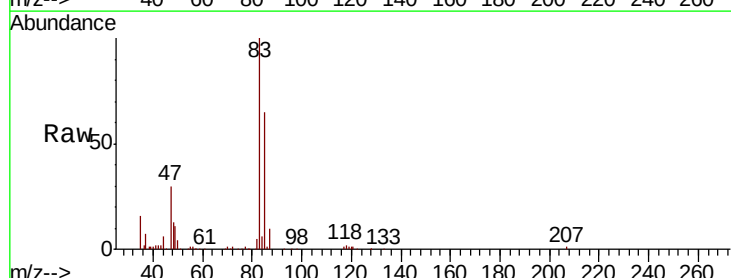
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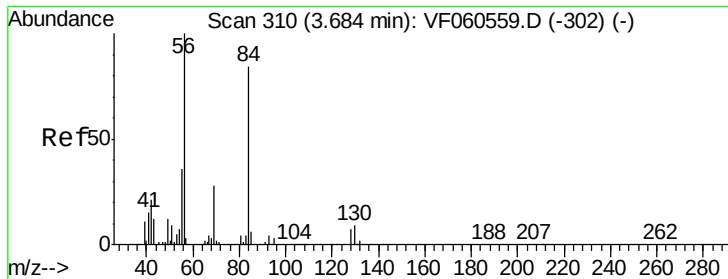
apatel
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#30
Chloroform
Concen: 20.998 ug/l
RT: 3.87 min Scan# 328
Delta R.T. 0.02 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	53.7	80.5





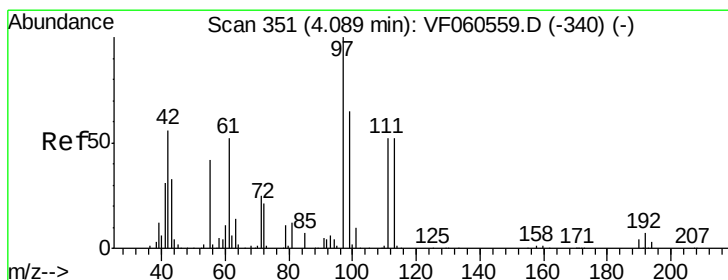
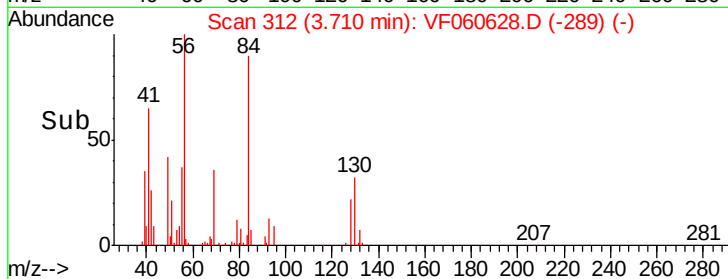
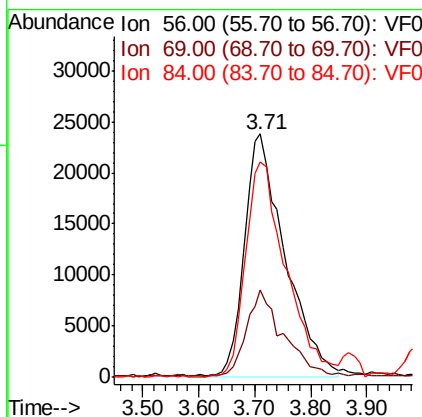
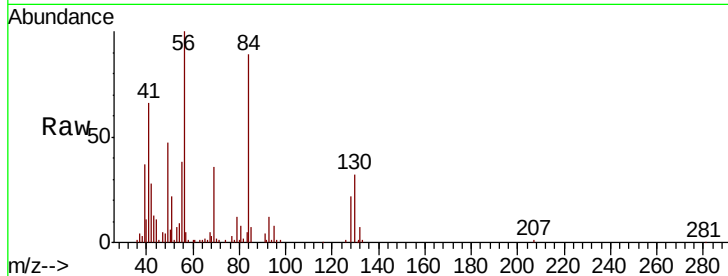
#31
Cyclohexane
Concen: 22.031 ug/l
RT: 3.71 min Scan# 312
Delta R.T. 0.03 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Instrument :
MSVOA_F
ClientSampleId :
VF1107SBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	36.0	23.0	34.4#	
84	88.7	67.1	100.7	

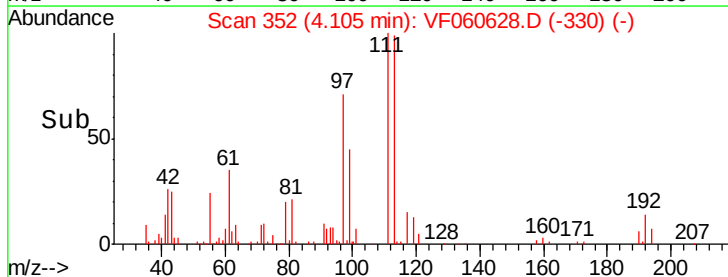
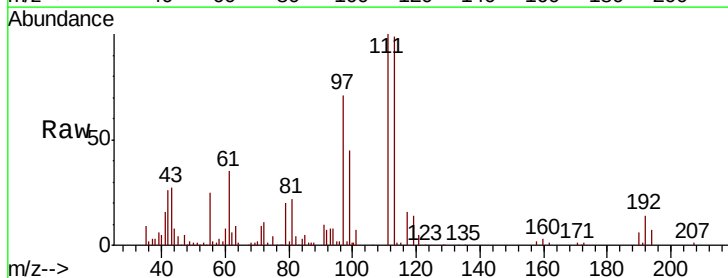
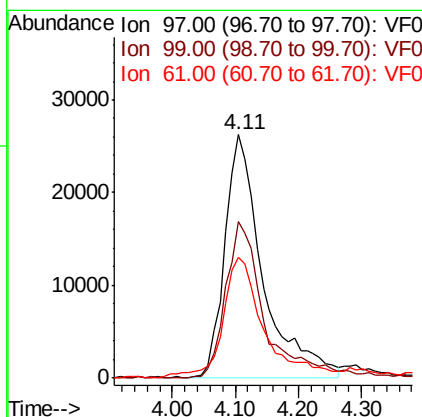
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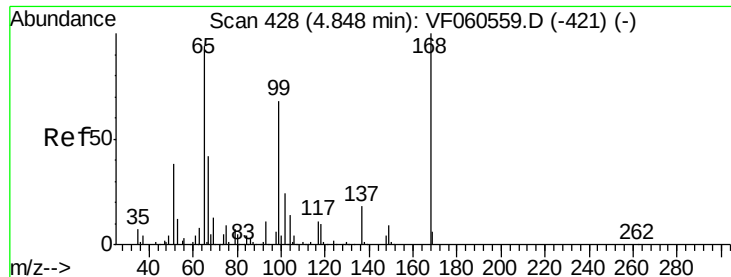
apatel
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#32
1,1,1-Trichloroethane
Concen: 25.370 ug/l
RT: 4.11 min Scan# 352
Delta R.T. 0.02 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.3	52.4	78.6	
61	49.8	41.5	62.3	





#33

1,2-Dichloroethane-d4

Concen: 53.724 ug/l

RT: 4.85 min Scan# 428

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

ClientSampleId :

VF1107SBS01

Tot Ion: 65 Resp: 147296

Ion Ratio Lower Upper

65 100

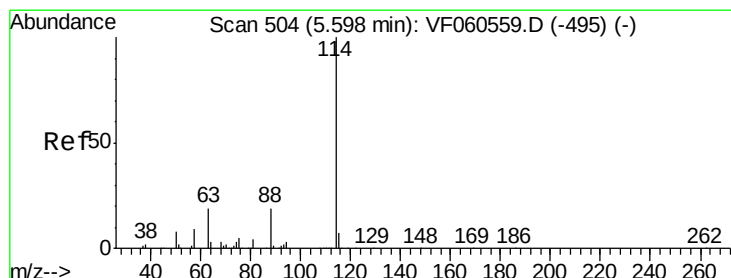
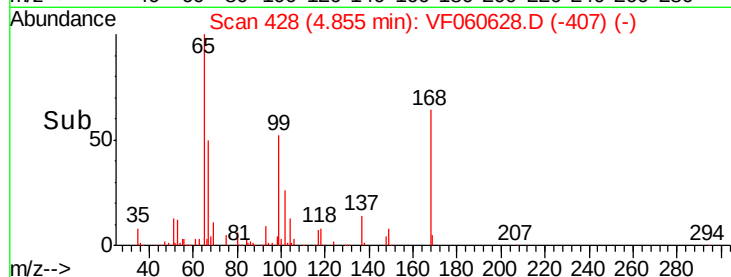
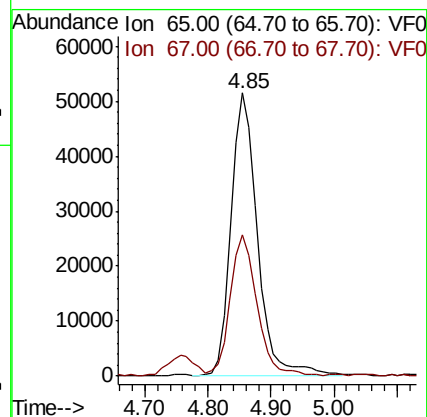
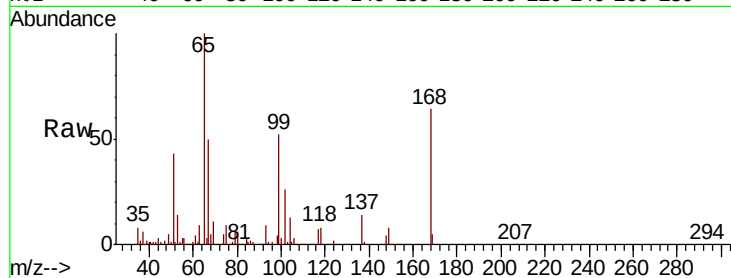
67 50.1 0.0 101.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

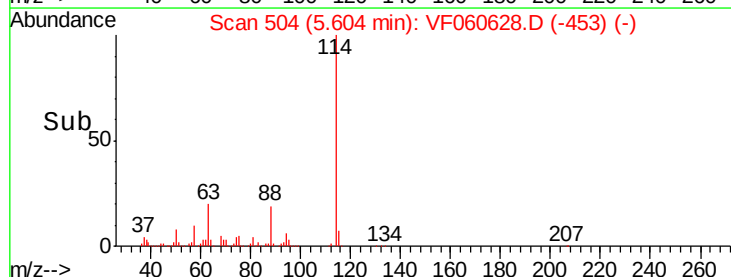
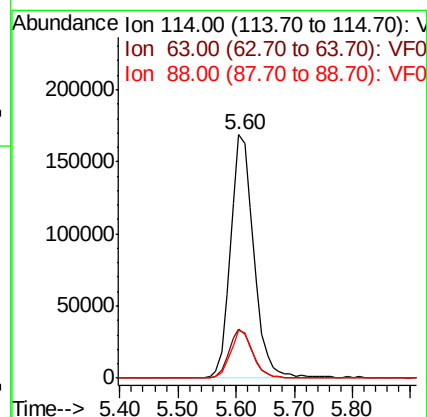
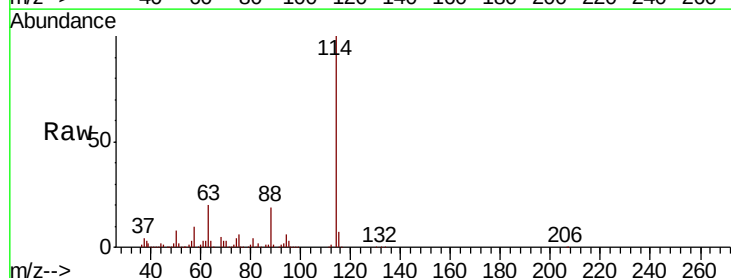
Tgt Ion: 114 Resp: 468371

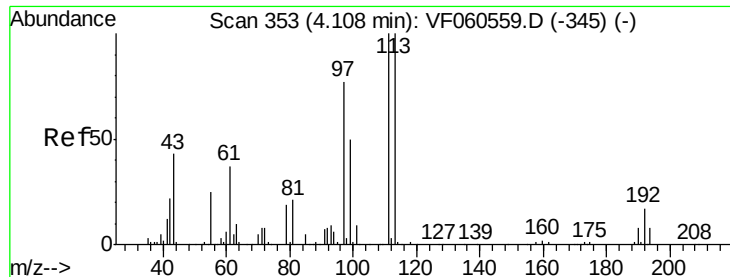
Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.0

88 19.4 0.0 38.2





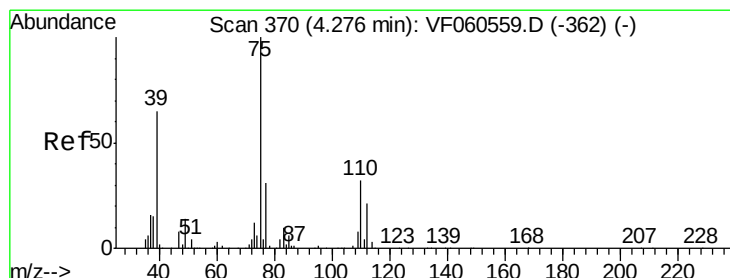
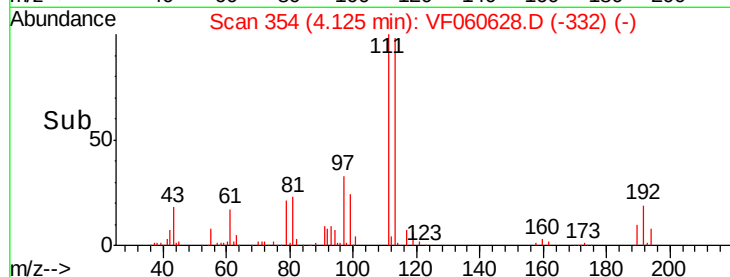
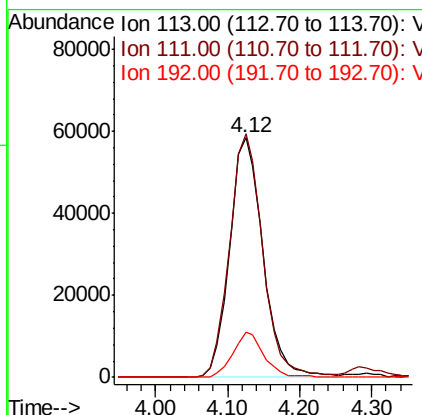
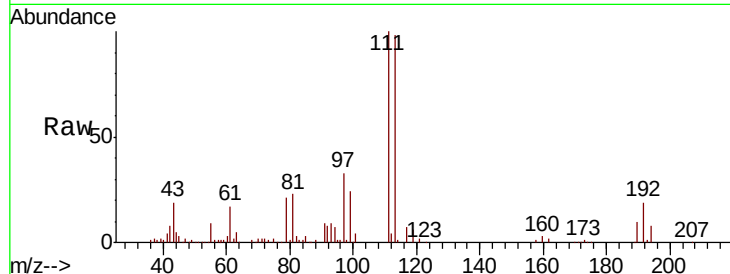
#35
Dibromofluoromethane
Concen: 52.132 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.02 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Instrument :
MSVOA_F
ClientSampleId :
VF1107SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	188647		
111	101.8	79.9	119.9	
192	18.9	13.3	19.9	

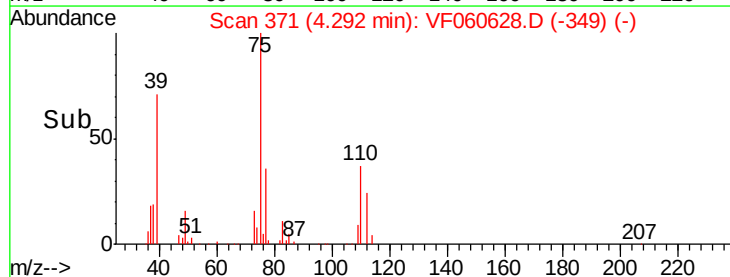
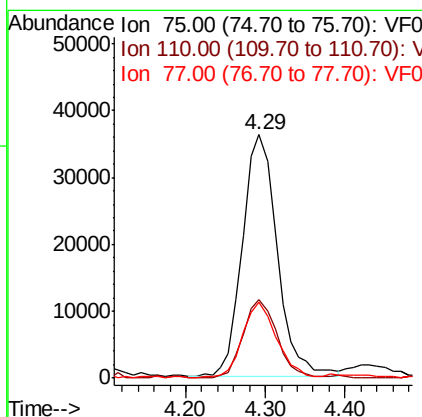
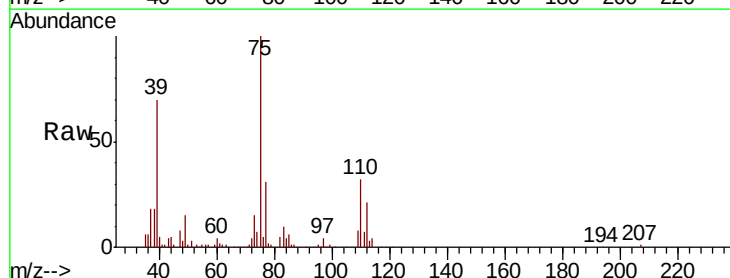
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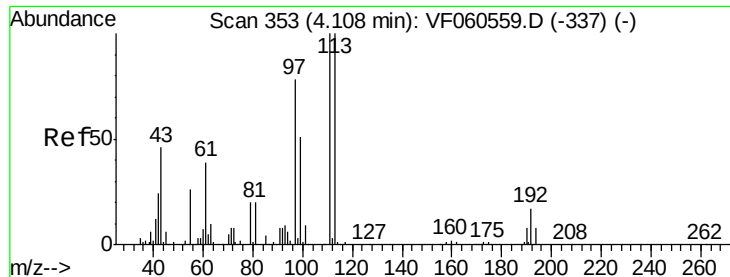
apatel
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#36
1,1-Dichloropropene
Concen: 21.409 ug/l
RT: 4.29 min Scan# 371
Delta R.T. 0.02 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	110408		
110	32.5	16.2	48.6	
77	31.4	25.0	37.6	





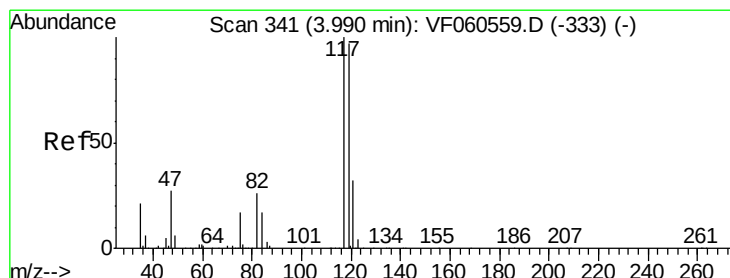
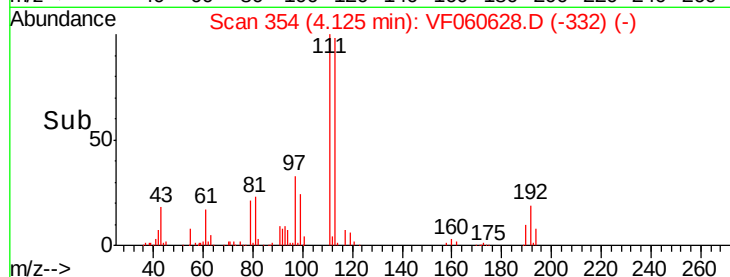
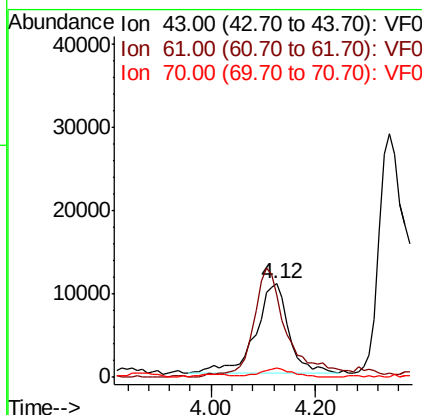
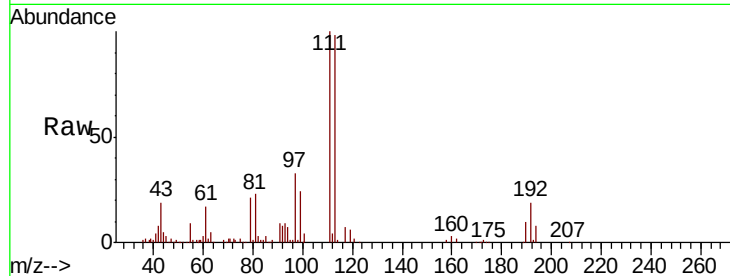
#37
Ethyl Acetate
Concen: 19.108 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.02 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Instrument :
MSVOA_F
ClientSampleId :
VF1107SBS01

Tot Ion	43	61	70	Ratio	Lower	Upper	Resp
47303	100	87.3	9.8				
		63.4	9.3				
		95.2	13.9				

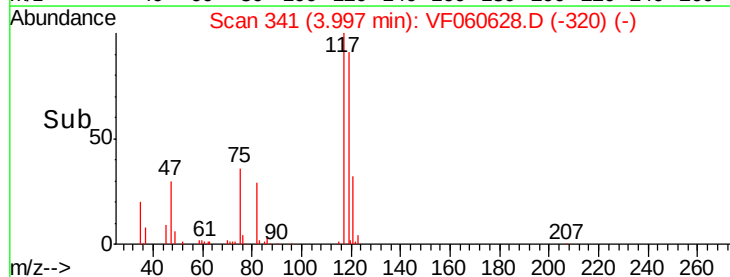
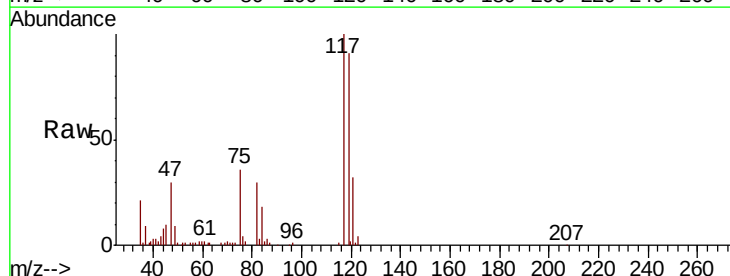
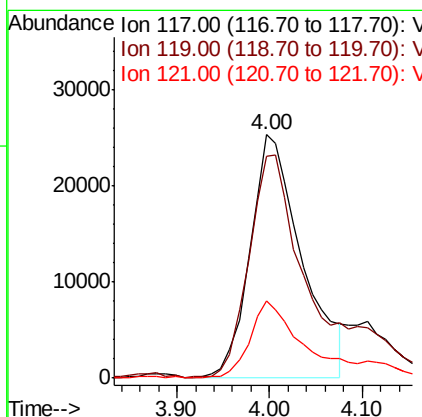
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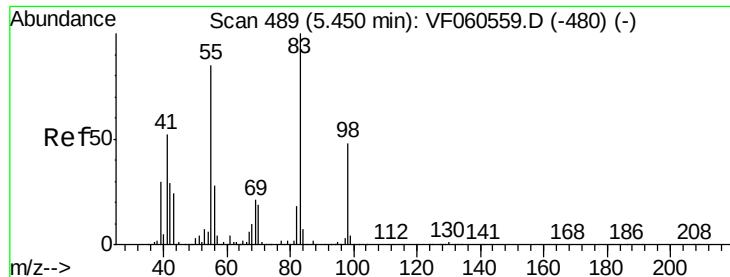
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#38
Carbon Tetrachloride
Concen: 22.389 ug/l m
RT: 4.00 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Tgt Ion	117	119	121	Ratio	Lower	Upper	Resp
98661	100	90.9	31.9				
		77.8	25.6				
		116.6	38.4				





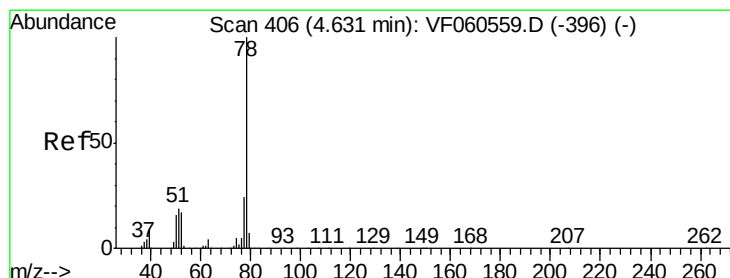
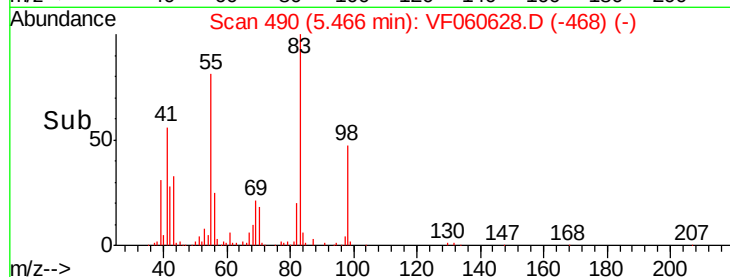
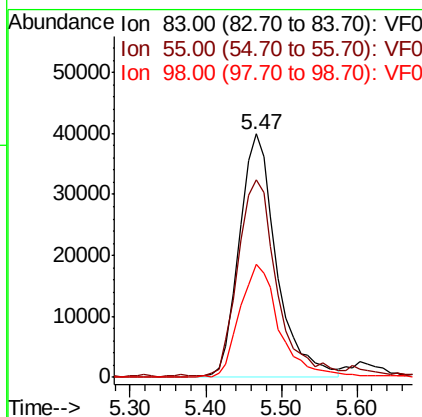
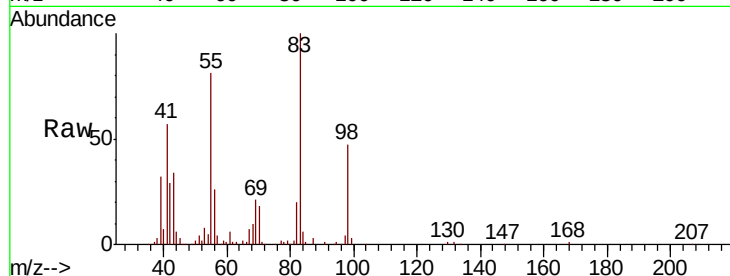
#39
Methylvlcyclohexane
Concen: 21.720 ug/l
RT: 5.47 min Scan# 490
Delta R.T. 0.02 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Instrument :
MSVOA_F
ClientSampleId :
VF1107SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.4	69.1	103.7
98	46.6	38.6	57.8

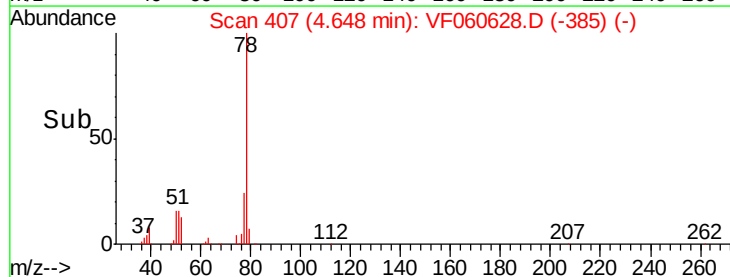
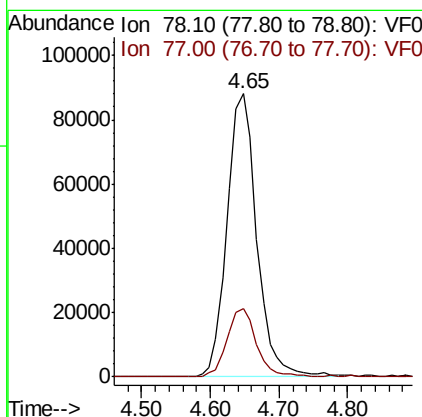
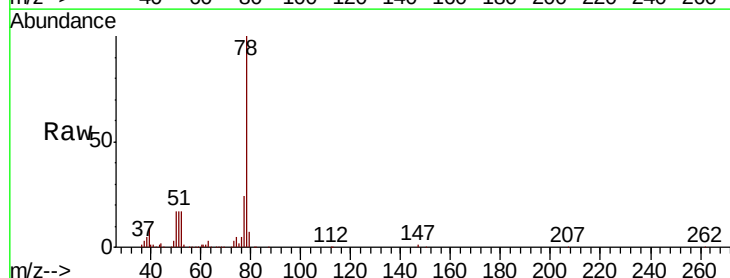
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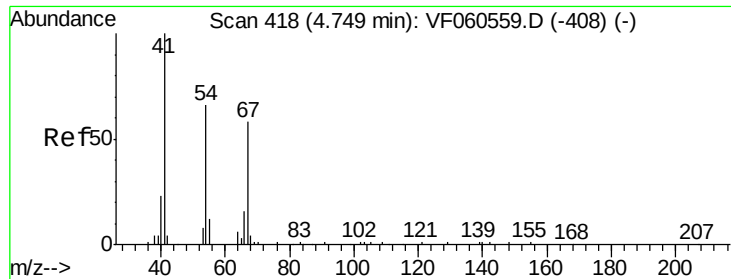
apatel
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#40
Benzene
Concen: 21.131 ug/l
RT: 4.65 min Scan# 407
Delta R.T. 0.02 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.3	28.9





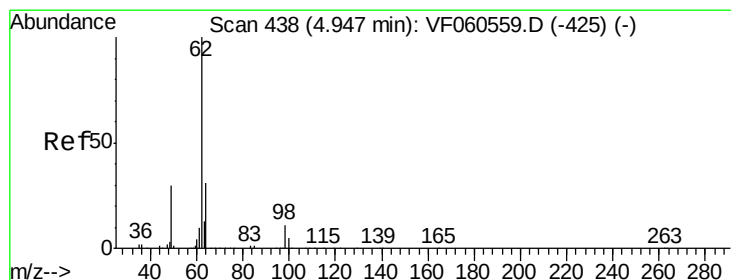
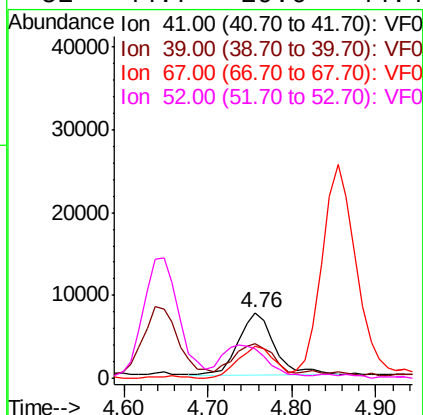
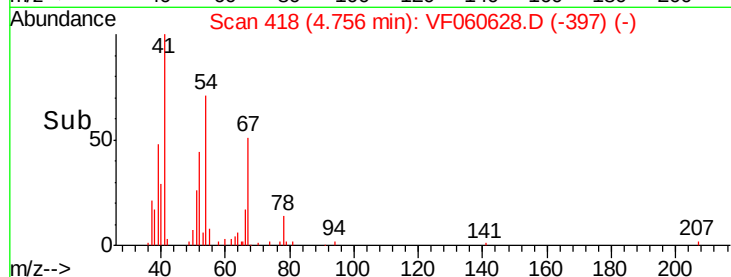
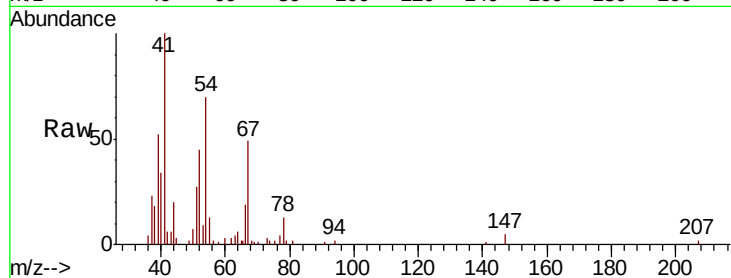
#41
Methacrylonitrile
Concen: 16.099 ug/l
RT: 4.76 min Scan# 418
Delta R.T. 0.01 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Instrument :
MSVOA_F
ClientSampleId :
VF1107SBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.2	45.6	68.4
67	49.0	45.3	67.9
52	44.7	29.6	44.4#

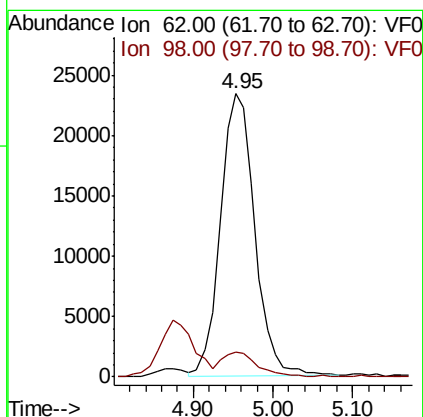
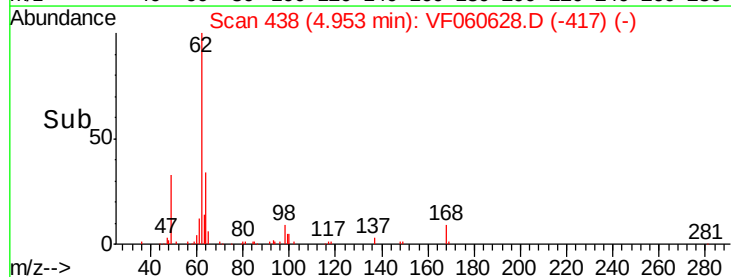
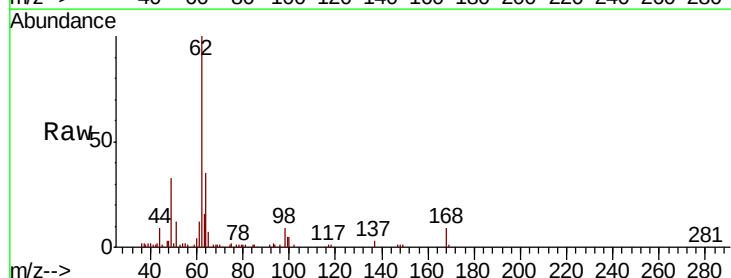
Manual Integrations
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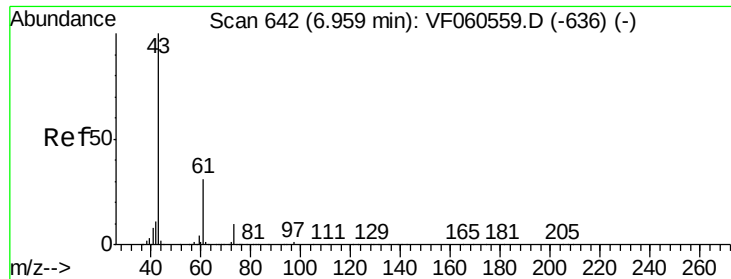
apatel
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#42
1,2-Dichloroethane
Concen: 19.583 ug/l
RT: 4.95 min Scan# 438
Delta R.T. 0.01 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	22.4





#43

Isopropyl Acetate

Concen: 19.343 ug/l

RT: 6.97 min Scan# 642

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

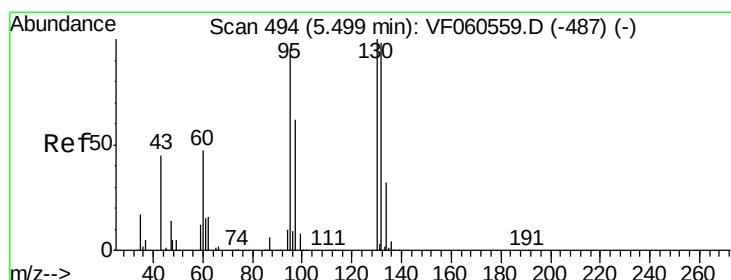
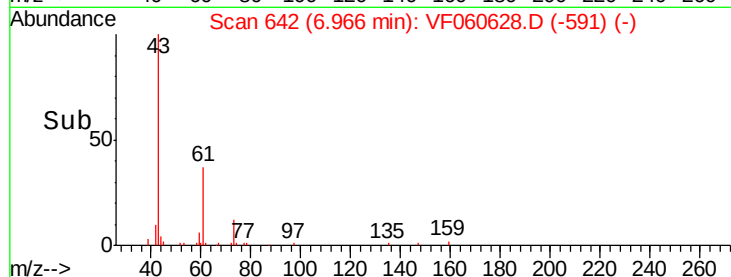
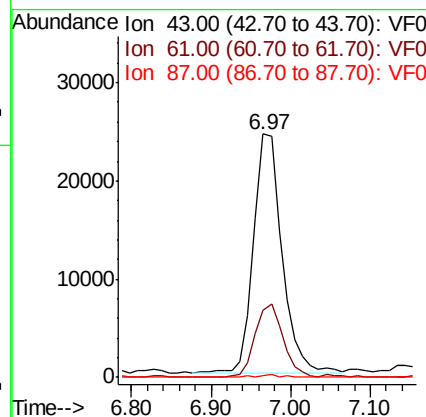
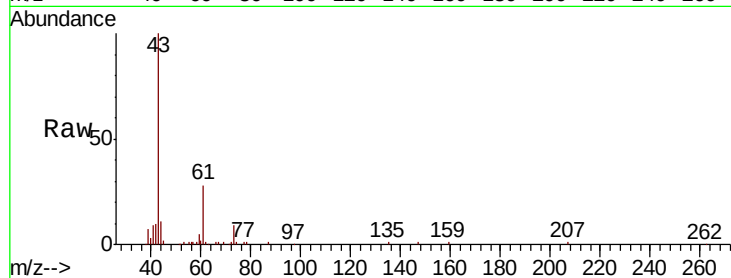
ClientSampleId :

VF1107SBS01

Tot Ion:	43	Resp:	60571
Ion	Ratio	Lower	Upper
43	100		
61	27.8	24.2	36.2
87	0.9	0.2	0.4#

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#44

Trichloroethene

Concen: 20.845 ug/l

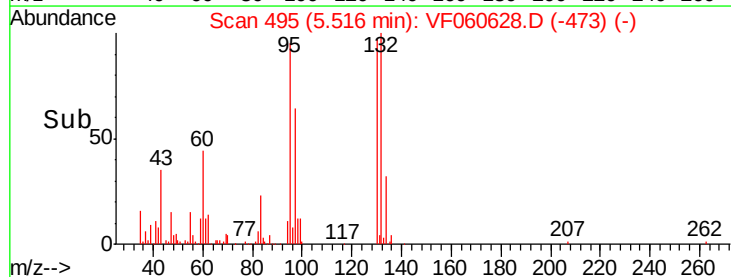
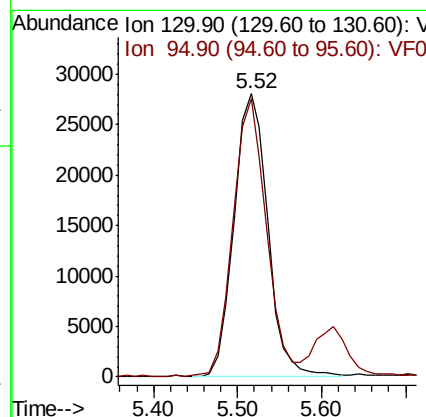
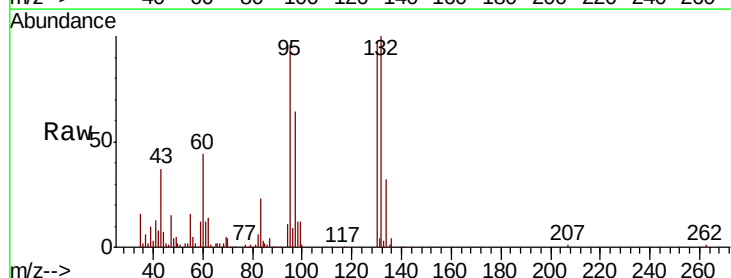
RT: 5.52 min Scan# 495

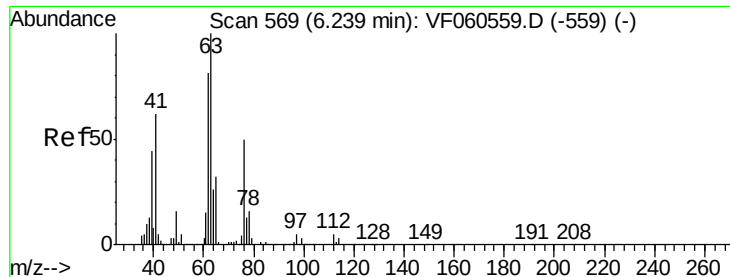
Delta R.T. 0.02 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Tgt Ion:	130	Resp:	78424
Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	191.0





#45

1,2-Dichloropropane

Concen: 20.053 ug/l

RT: 6.25 min Scan# 569

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

ClientSampleId :

VF1107SBS01

Tot Ion: 63 Resp: 64201

Ion Ratio Lower Upper

63 100

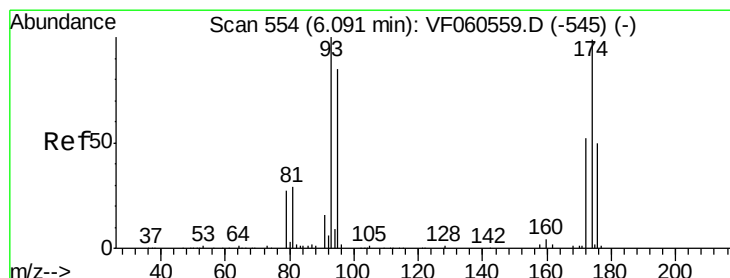
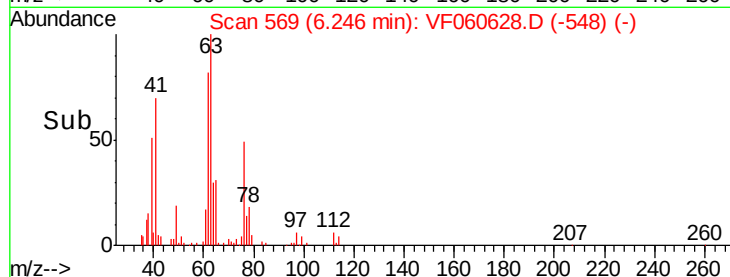
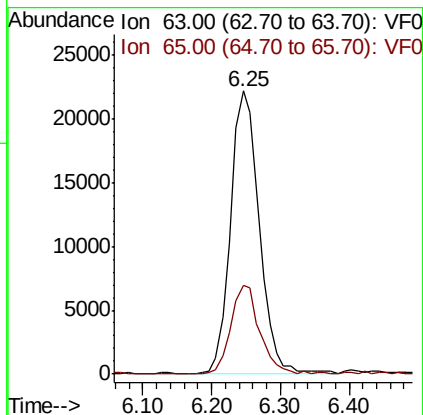
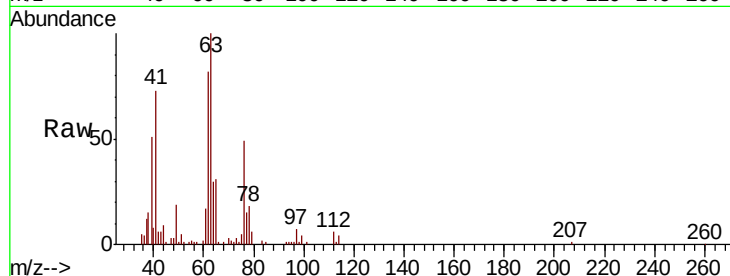
65 31.4 25.4 38.0

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#46

Dibromomethane

Concen: 20.022 ug/l

RT: 6.10 min Scan# 554

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

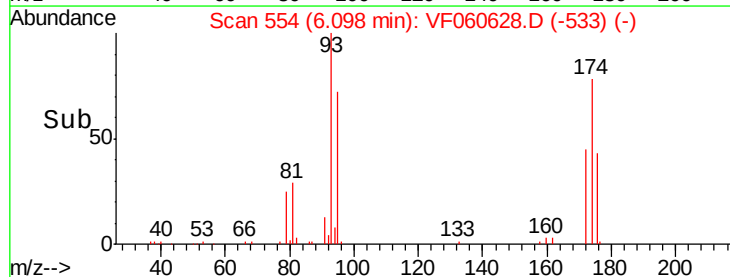
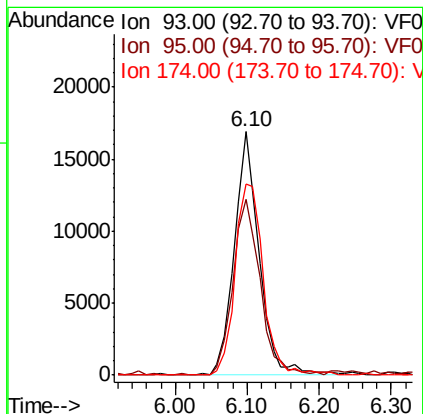
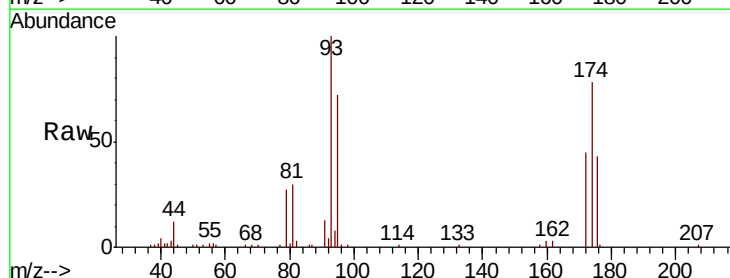
Tgt Ion: 93 Resp: 40667

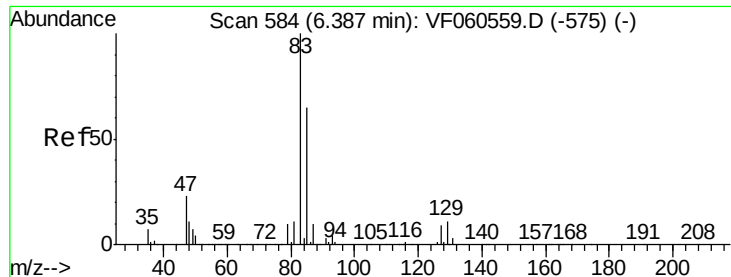
Ion Ratio Lower Upper

93 100

95 72.3 68.6 102.8

174 78.3 79.0 118.4#





#47

Bromodichloromethane

Concen: 20.075 ug/l

RT: 6.39 min Scan# 584

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

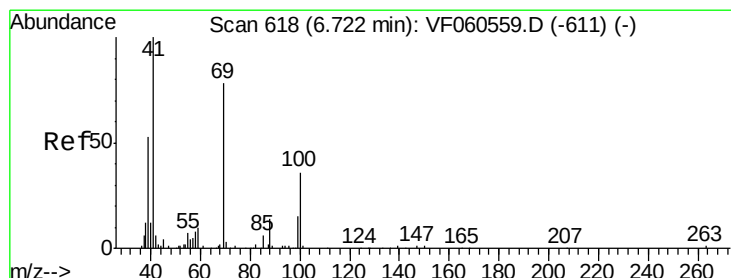
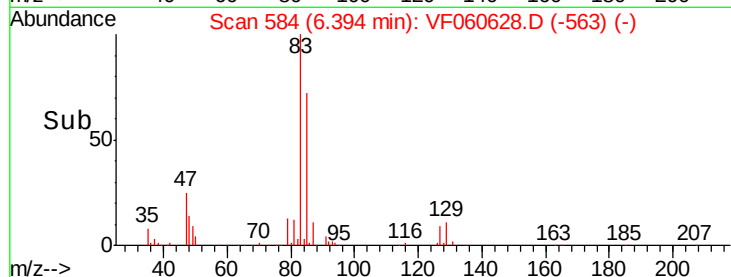
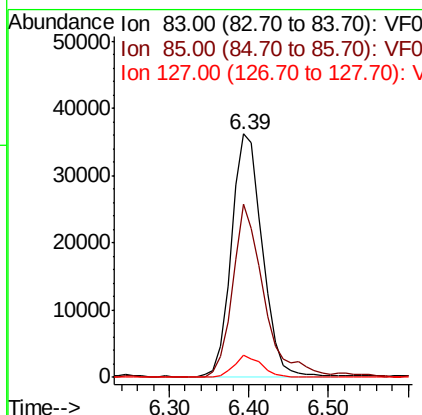
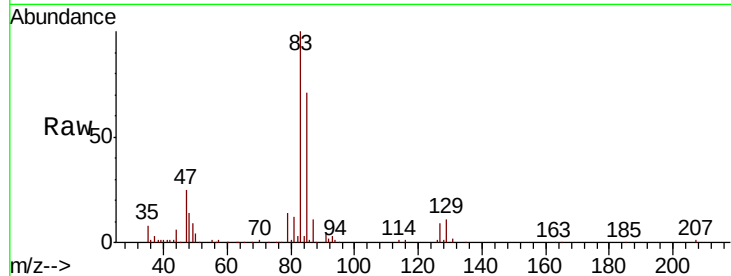
ClientSampleId :

VF1107SBS01

Tot Ion:	83	Resp:	98349
Ion	Ratio	Lower	Upper
83	100		
85	71.3	51.8	77.6
127	9.0	7.0	10.4

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#48

Methyl methacrylate

Concen: 18.601 ug/l

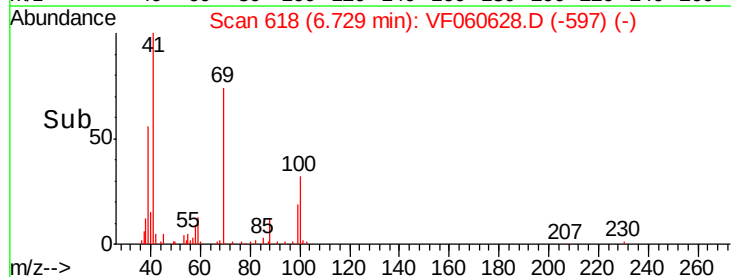
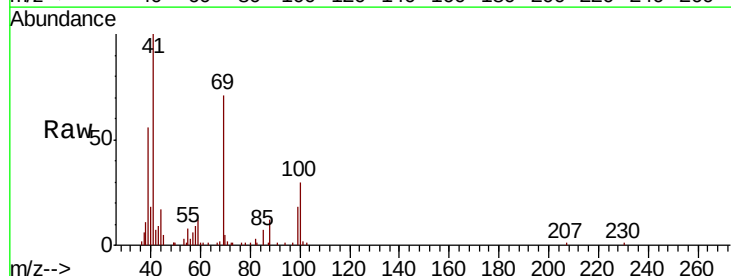
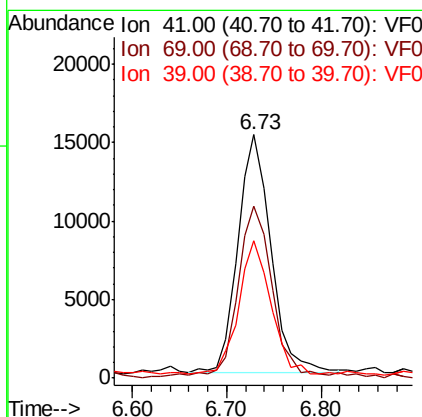
RT: 6.73 min Scan# 618

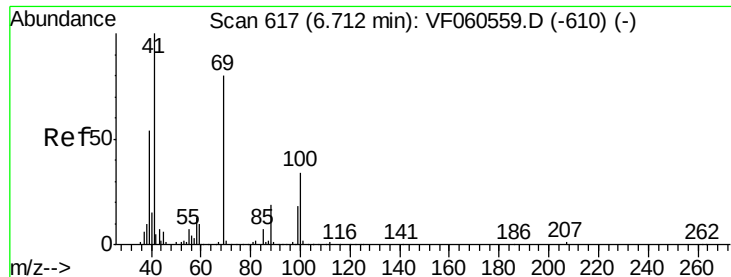
Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Tgt Ion:	41	Resp:	36607
Ion	Ratio	Lower	Upper
41	100		
69	70.7	61.1	91.7
39	56.4	43.0	64.6





#49

1,4-Dioxane

Concen: 335.977 ug/l

RT: 6.72 min Scan# 617

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

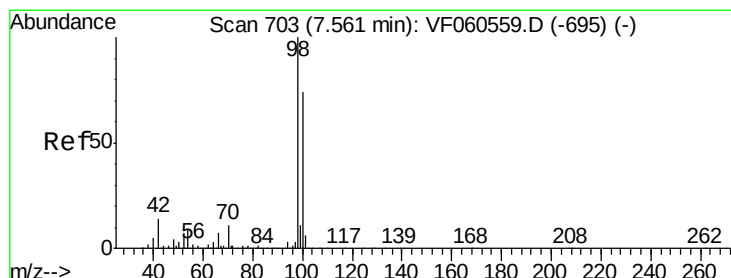
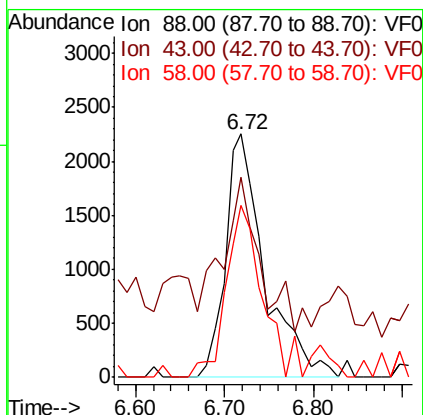
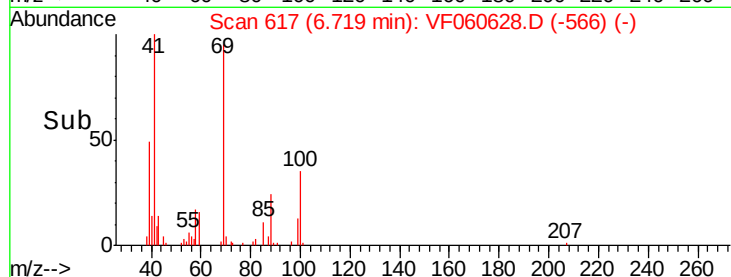
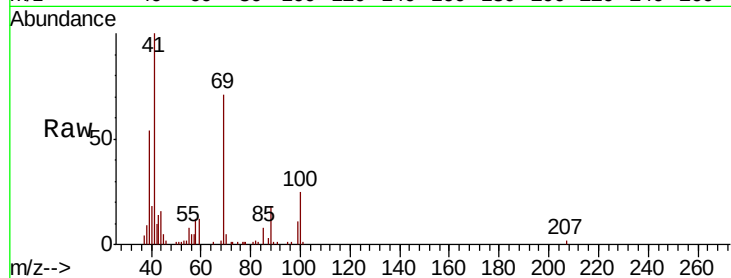
ClientSampleId :

VF1107SBS01

Tot Ion:	88	Resp:	6917
Ion	Ratio	Lower	Upper
88	100		
43	82.1	61.2	91.8
58	70.5	56.9	85.3

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#50

Toluene-d8

Concen: 47.308 ug/l

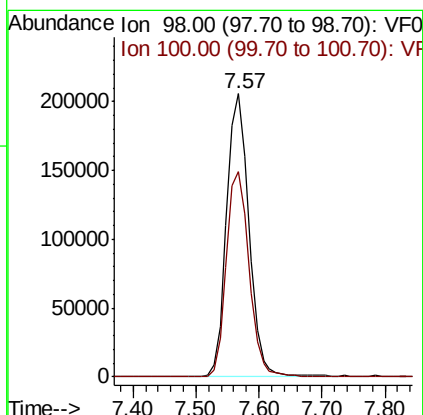
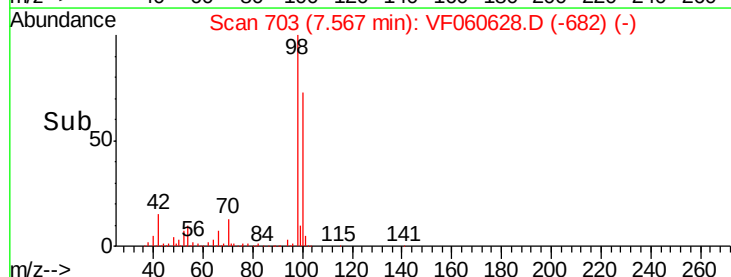
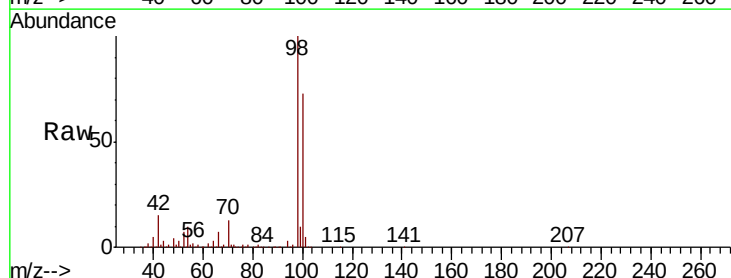
RT: 7.57 min Scan# 703

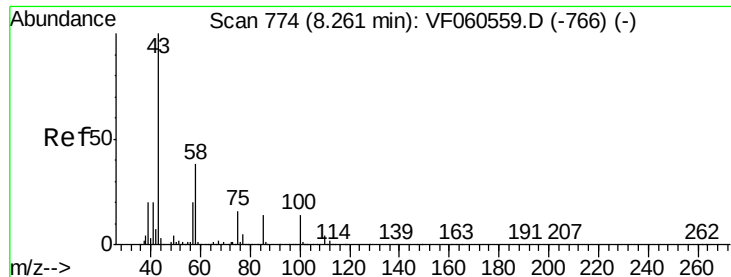
Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Tgt Ion:	98	Resp:	507118
Ion	Ratio	Lower	Upper
98	100		
100	72.7	59.4	89.2





#51

4-Methyl-2-Pentanone

Concen: 95.405 ug/l

RT: 8.27 min Scan# 774

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

ClientSampleId :

VF1107SBS01

Tot Ion: 43 Resp: 200902

Ion Ratio Lower Upper

43 100

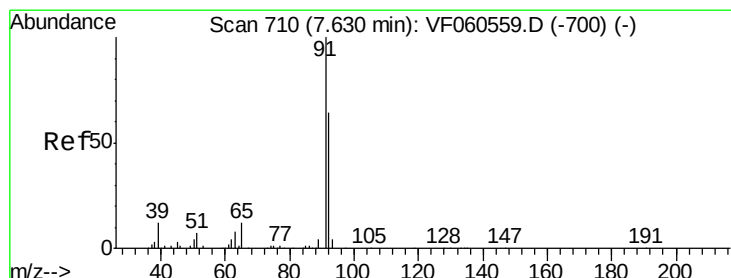
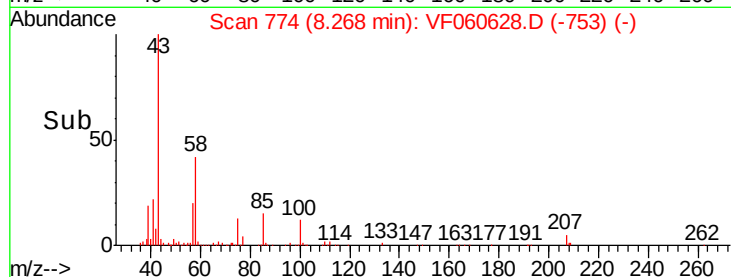
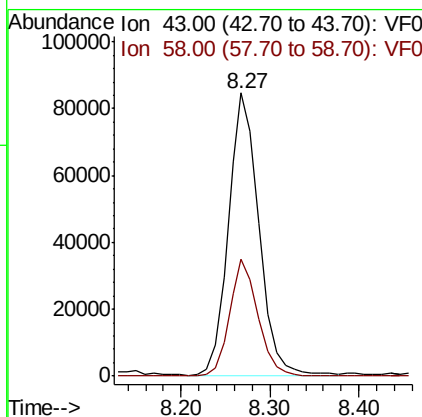
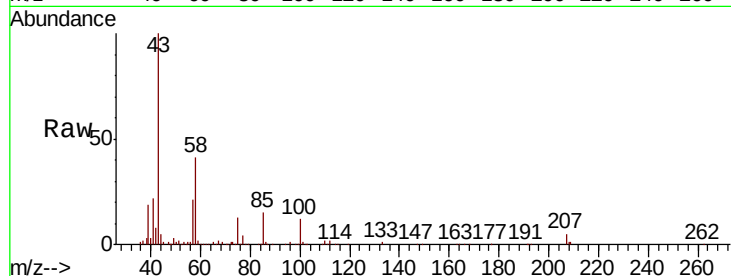
58 41.4 30.1 45.1

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#52

Toluene

Concen: 20.303 ug/l

RT: 7.64 min Scan# 710

Delta R.T. 0.01 min

Lab File: VF060628.D

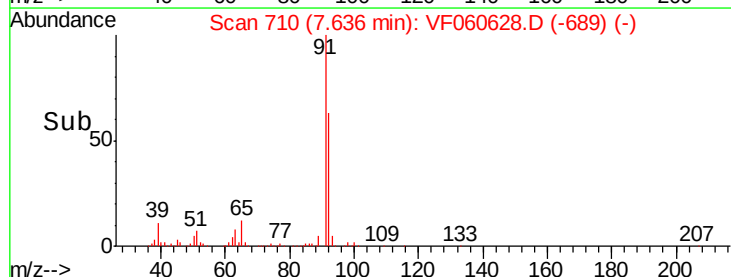
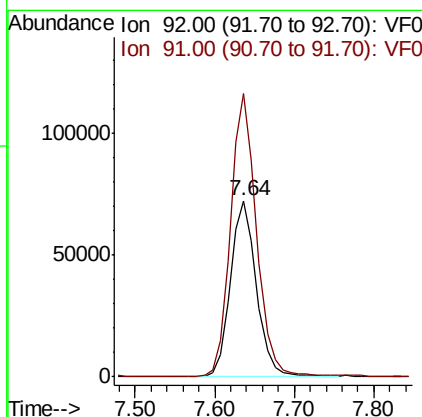
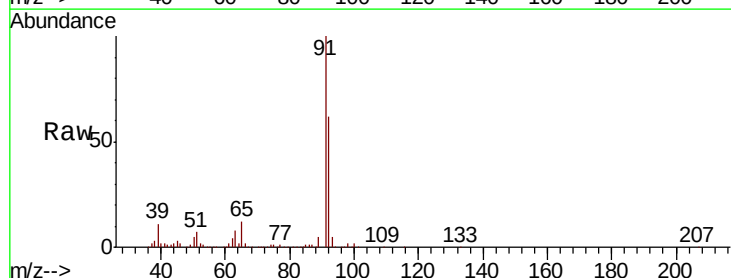
Acq: 7 Nov 2018 14:21

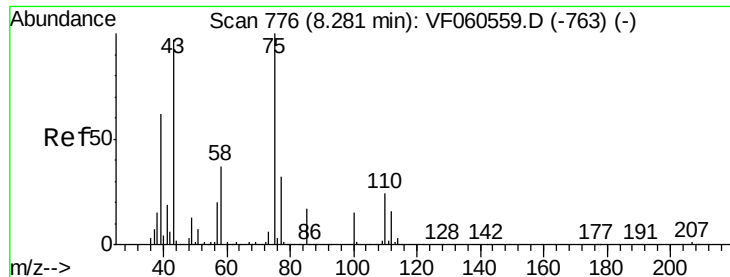
Tgt Ion: 92 Resp: 165554

Ion Ratio Lower Upper

92 100

91 160.8 124.5 186.7





#53

t-1,3-Dichloropropene

Concen: 19.196 ug/l

RT: 8.29 min Scan# 776

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

ClientSampleId :

VF1107SBS01

Tot Ion: 75 Resp: 81734

Ion Ratio Lower Upper

75 100

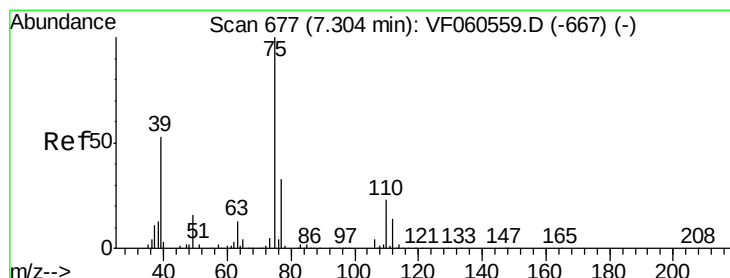
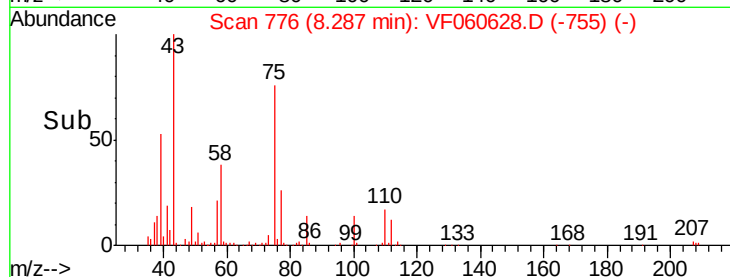
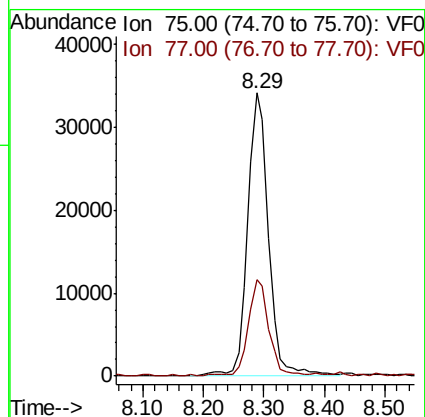
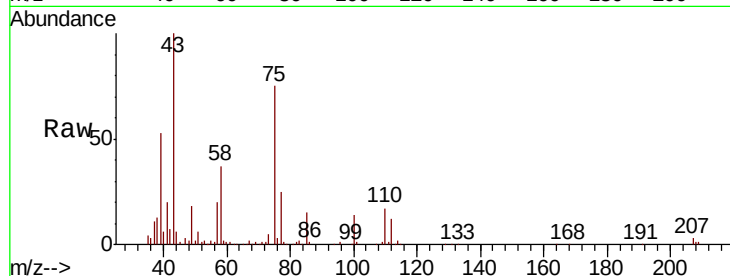
77 33.9 25.7 38.5

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#54

cis-1,3-Dichloropropene

Concen: 20.322 ug/l

RT: 7.31 min Scan# 677

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

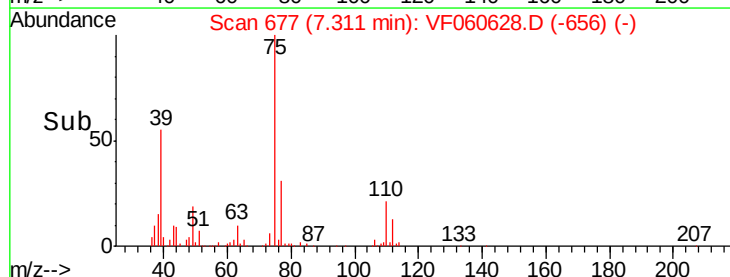
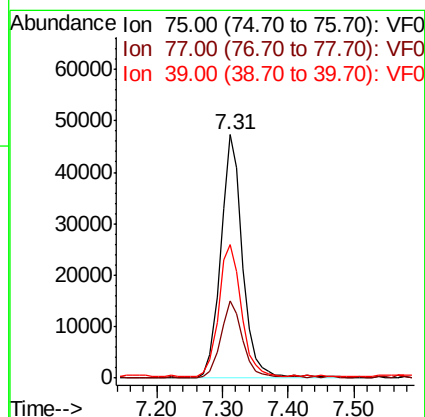
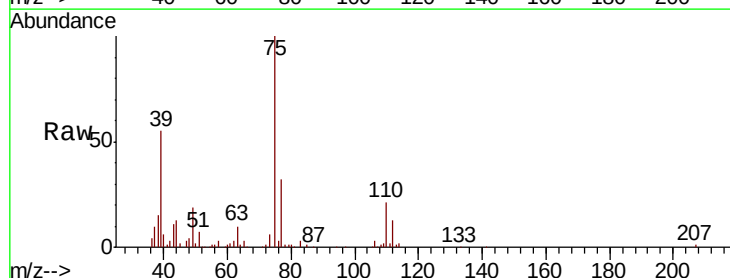
Tgt Ion: 75 Resp: 109328

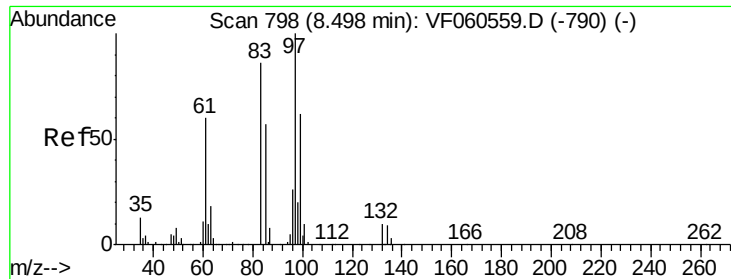
Ion Ratio Lower Upper

75 100

77 31.6 26.7 40.1

39 55.0 43.0 64.4





#55

1,1,2-Trichloroethane

Concen: 19.139 ug/l

RT: 8.50 min Scan# 798

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

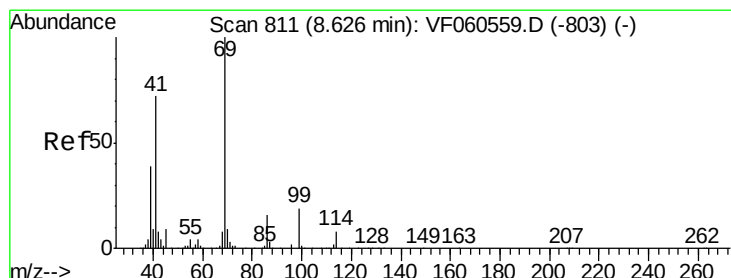
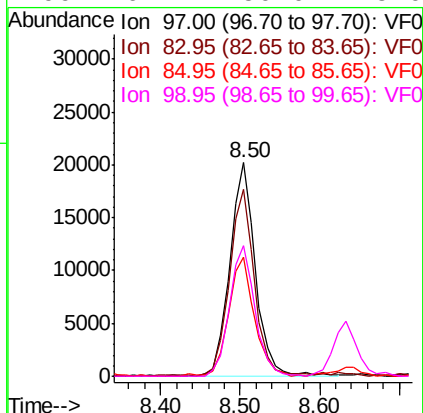
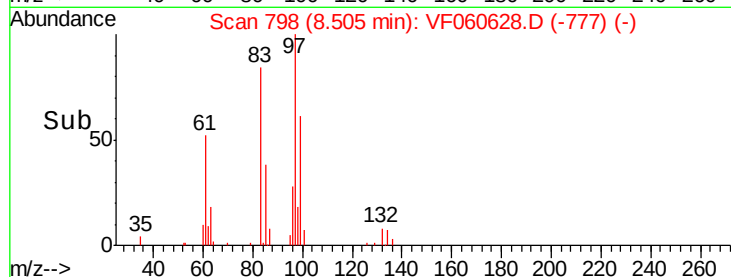
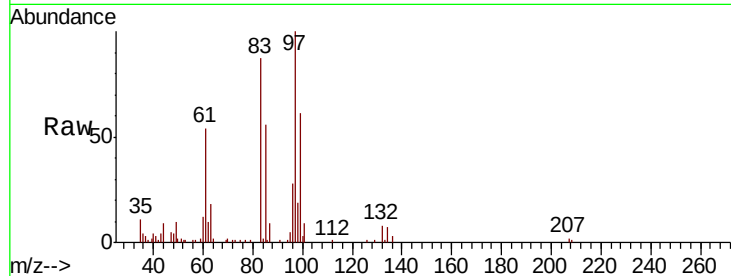
ClientSampleId :

VF1107SBS01

Tot Ion:	97	Resp:	45415
Ion	Ratio	Lower	Upper
97	100		
83	87.5	69.4	104.0
85	55.5	46.6	69.8
99	61.2	50.0	75.0

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#56

Ethyl methacrylate

Concen: 18.161 ug/l

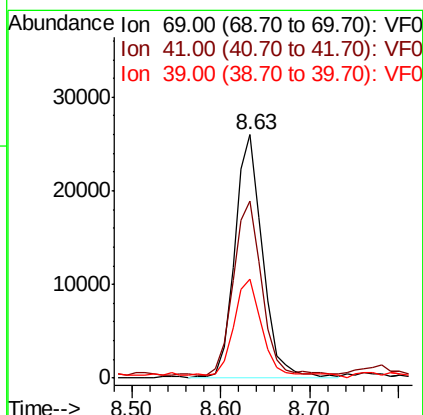
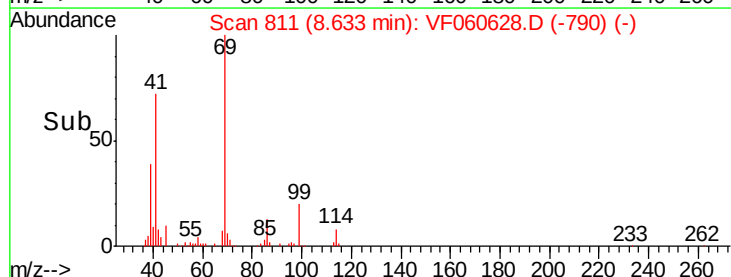
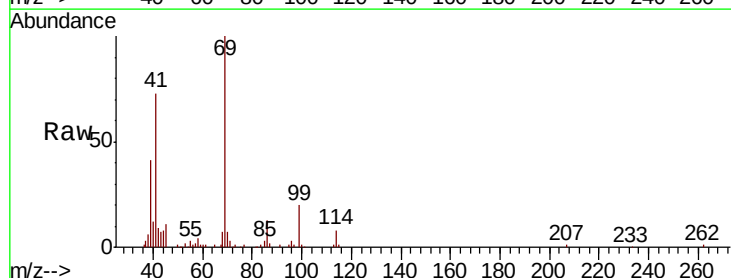
RT: 8.63 min Scan# 811

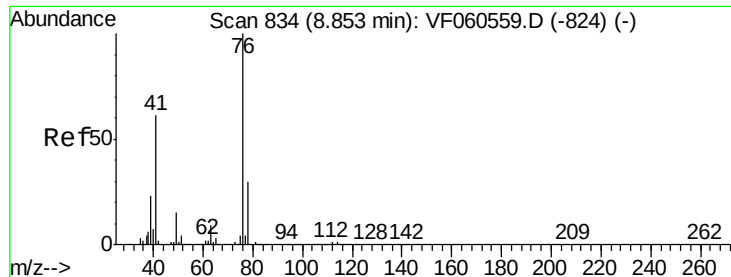
Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Tgt Ion:	69	Resp:	55444
Ion	Ratio	Lower	Upper
69	100		
41	72.6	59.2	88.8
39	40.6	32.3	48.5





#57

1,3-Dichloropropane

Concen: 19.564 ug/l

RT: 8.87 min Scan# 835

Delta R.T. 0.02 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

ClientSampleId :

VF1107SBS01

Tot Ion: 76 Resp: 81455

Ion Ratio Lower Upper

76 100

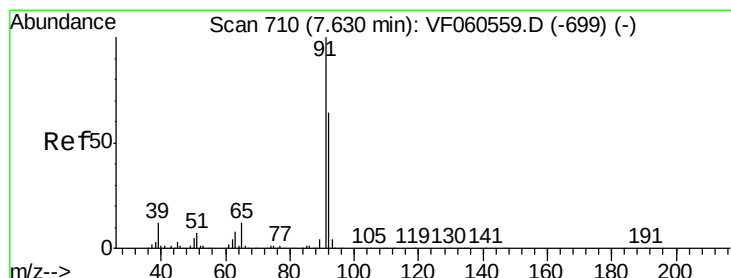
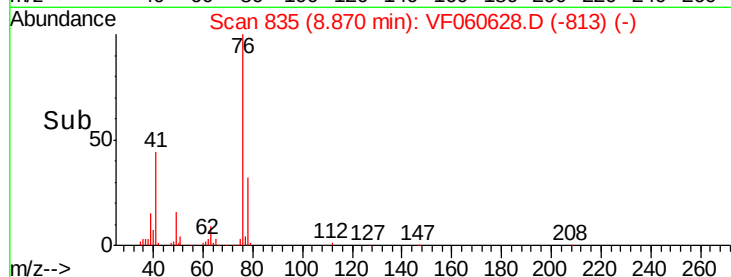
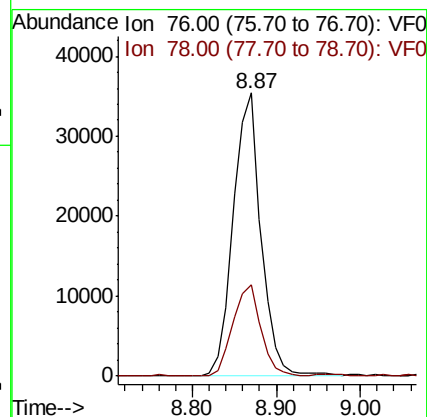
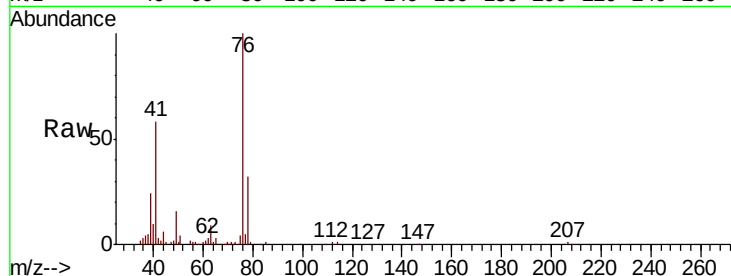
78 32.1 24.2 36.4

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#58

2-Chloroethyl Vinyl ether

Concen: 101.200 ug/l

RT: 7.64 min Scan# 710

Delta R.T. 0.01 min

Lab File: VF060628.D

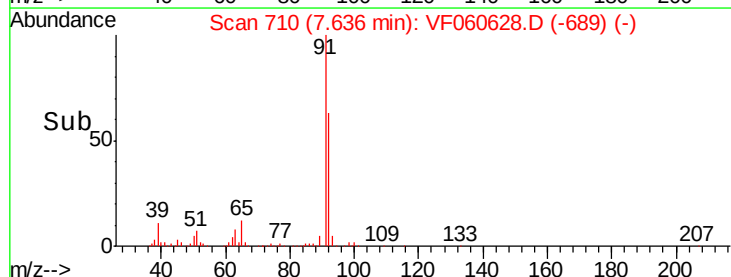
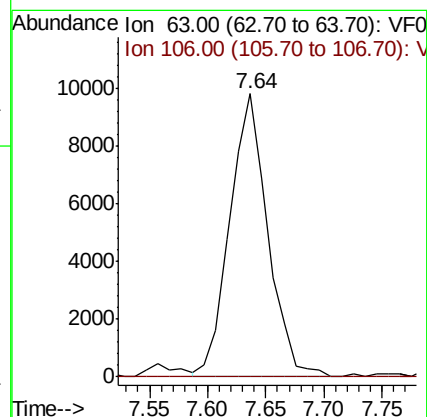
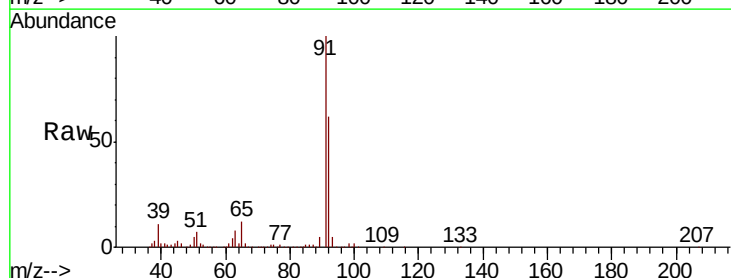
Acq: 7 Nov 2018 14:21

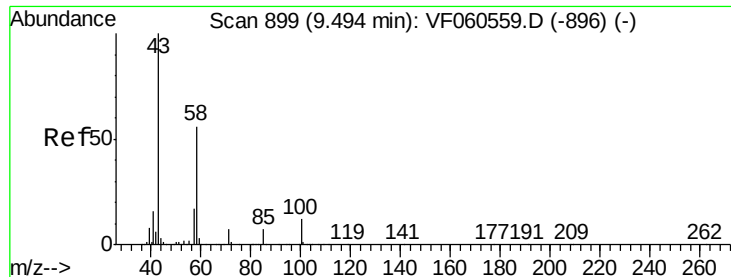
Tgt Ion: 63 Resp: 22188

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





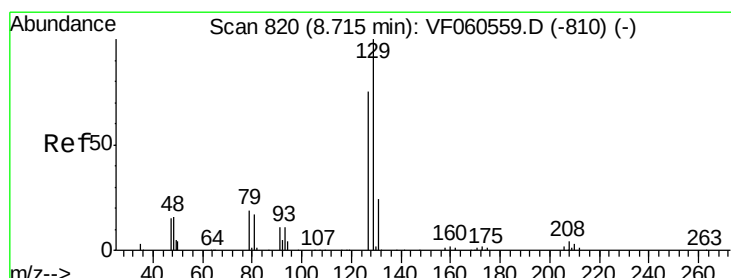
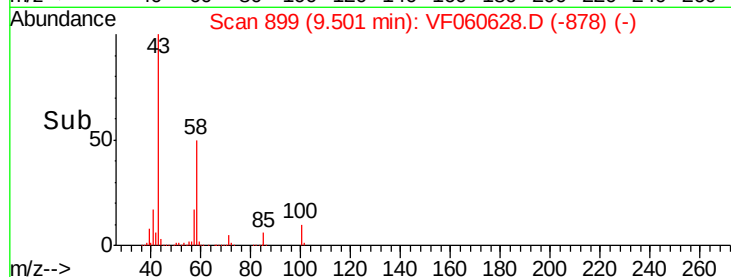
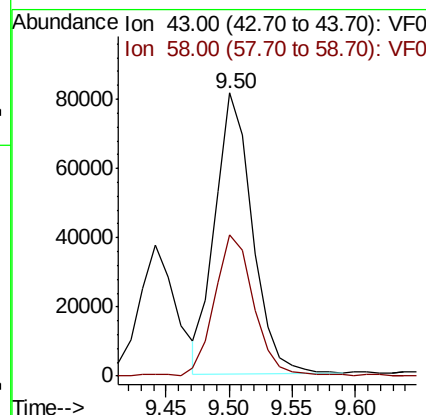
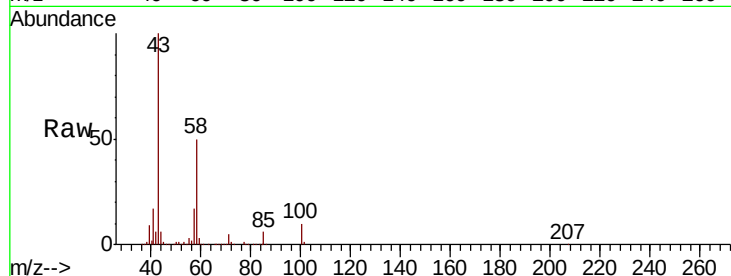
#59
2-Hexanone
Concen: 104.107 ug/l
RT: 9.50 min Scan# 899
Delta R.T. 0.01 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Instrument :
MSVOA_F
ClientSampleId :
VF1107SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.8	26.1	78.3

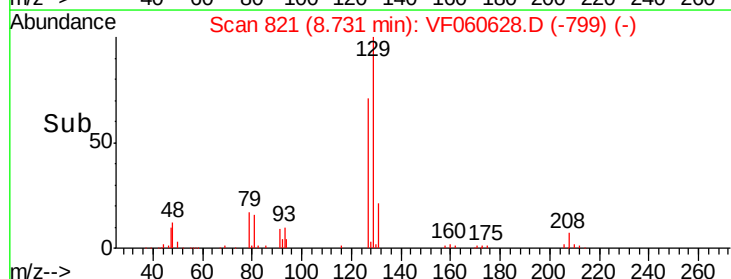
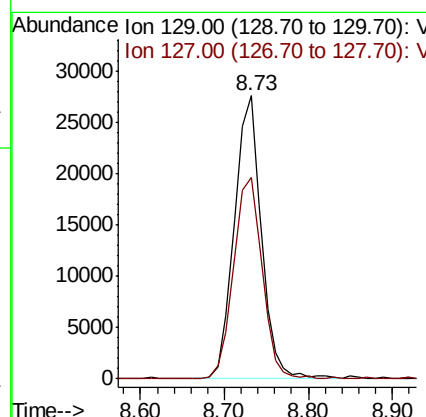
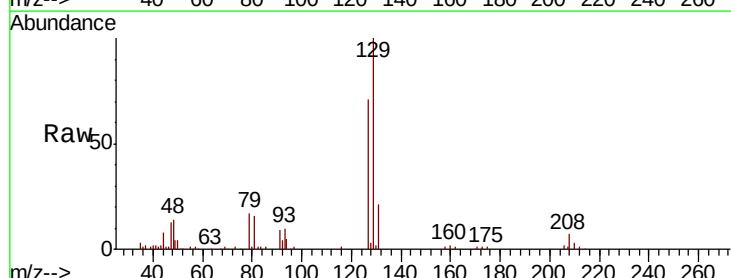
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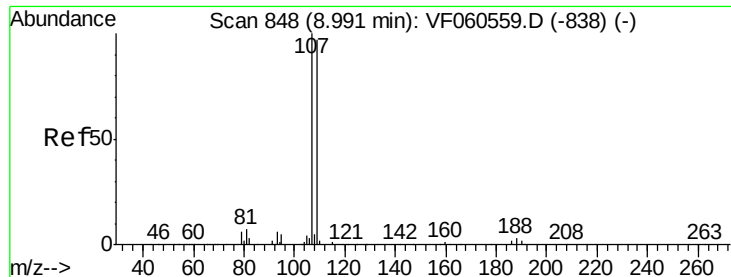
apatel
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#60
Dibromochloromethane
Concen: 18.676 ug/l
RT: 8.73 min Scan# 821
Delta R.T. 0.02 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Tgt Ion	Ratio	Lower	Upper
129	100		
127	71.0	37.8	113.3





#61

1,2-Dibromoethane

Concen: 19.011 ug/l

RT: 9.00 min Scan# 848

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

ClientSampleId :

VF1107SBS01

Tot Ion:107 Resp: 47439

Ion Ratio Lower Upper

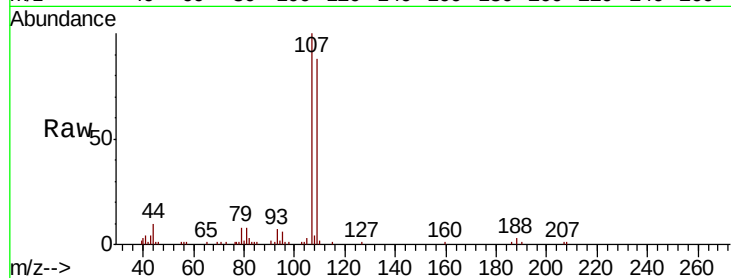
107 100

109 88.2 77.5 116.3

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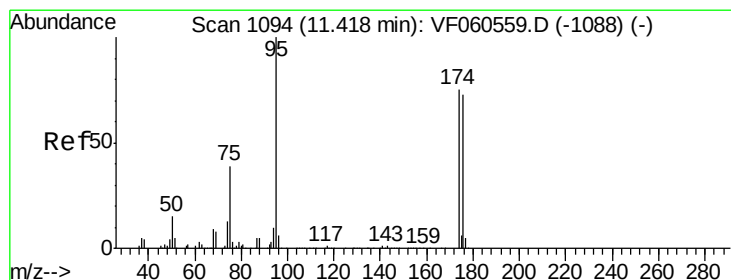
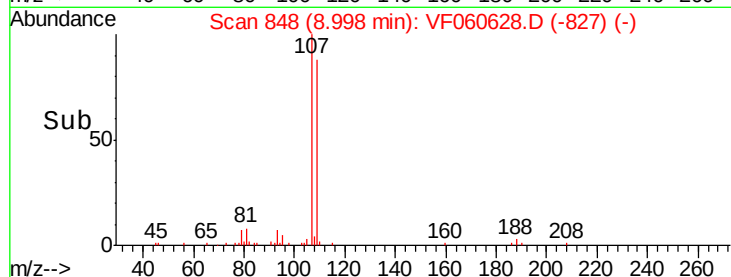
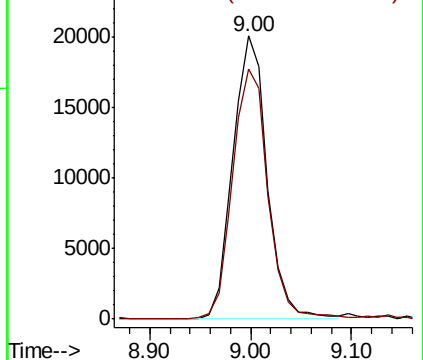
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 47.943 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

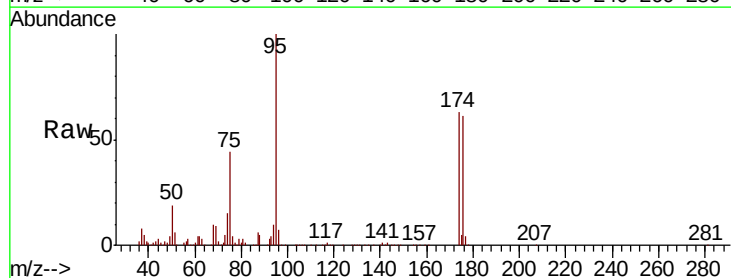
Tgt Ion: 95 Resp: 224797

Ion Ratio Lower Upper

95 100

174 62.7 0.0 149.0

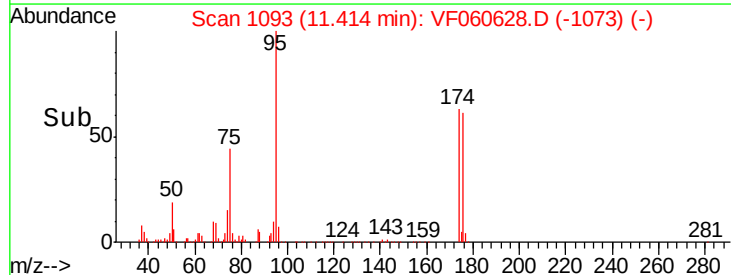
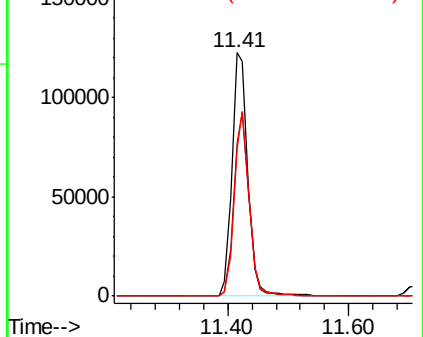
176 60.8 0.0 145.6

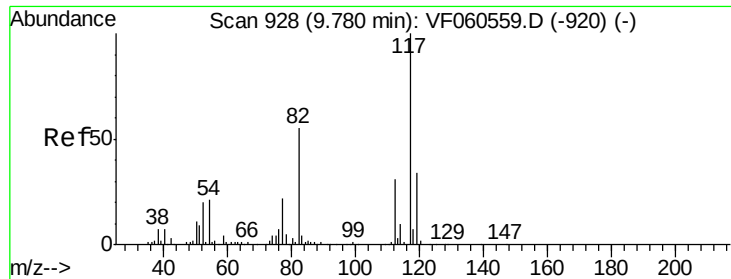


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





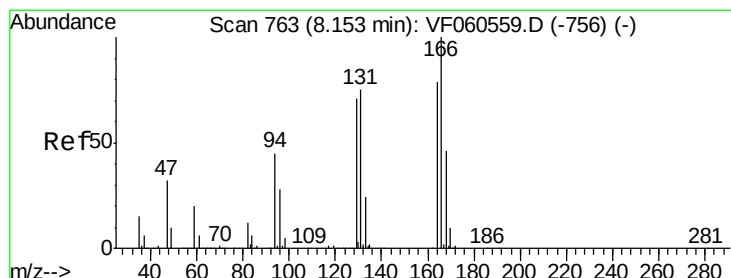
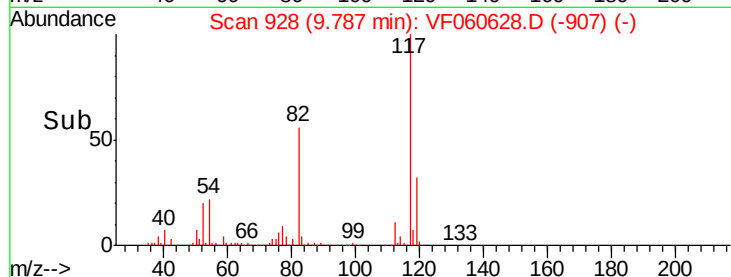
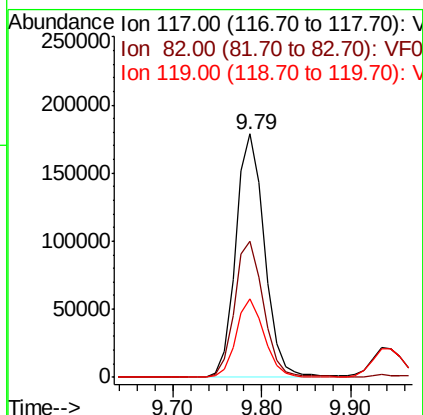
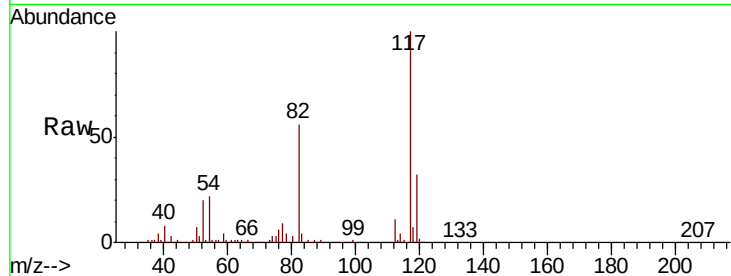
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 928
Delta R.T. 0.01 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Instrument :
MSVOA_F
ClientSampleId :
VF1107SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	402897		
82	55.9		43.9	65.9
119	32.2		27.4	41.0

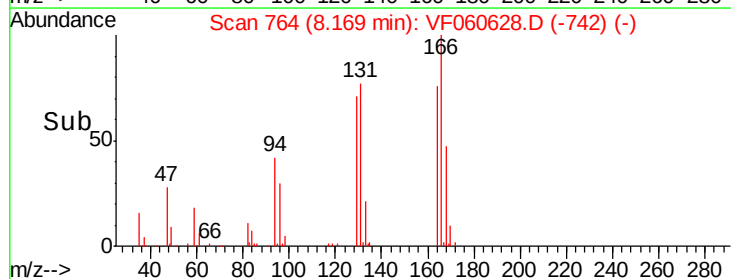
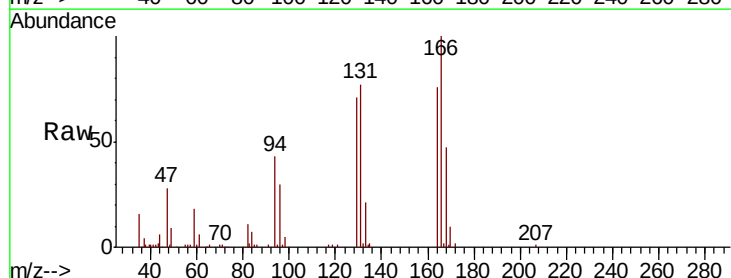
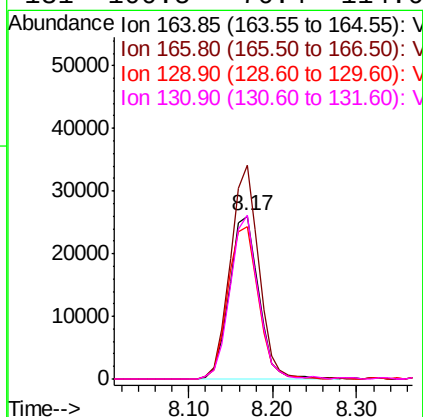
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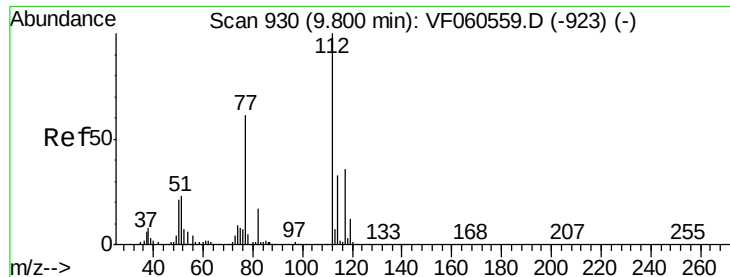
apatel
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#64
Tetrachloroethene
Concen: 19.918 ug/l
RT: 8.17 min Scan# 764
Delta R.T. 0.02 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	62891		
166	131.3		101.5	152.3
129	93.4		72.5	108.7
131	100.5		76.4	114.6





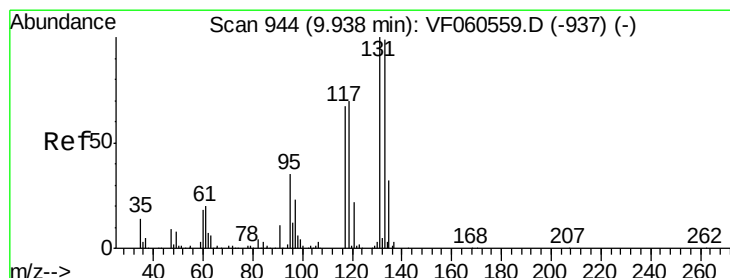
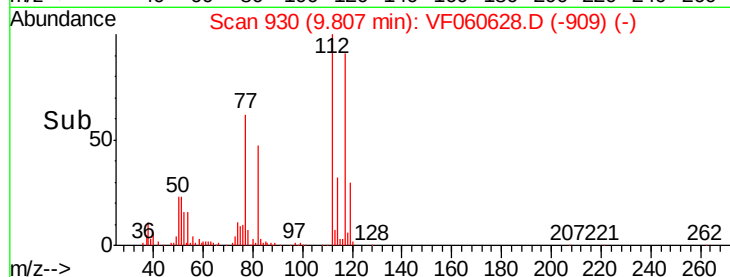
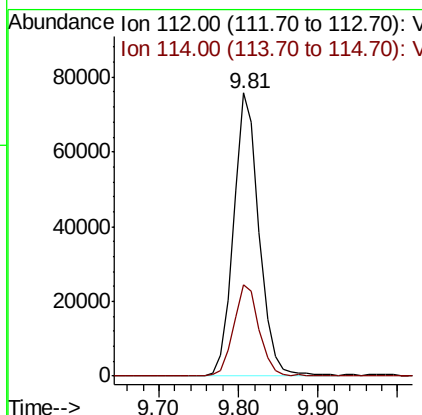
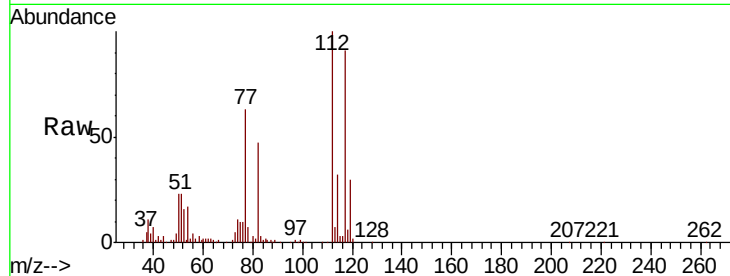
#65
Chlorobenzene
Concen: 20.517 ug/l
RT: 9.81 min Scan# 930
Delta R.T. 0.01 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Instrument :
MSVOA_F
ClientSampleId :
VF1107SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	26.6	40.0

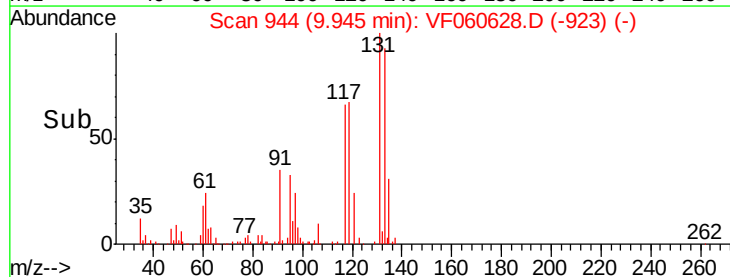
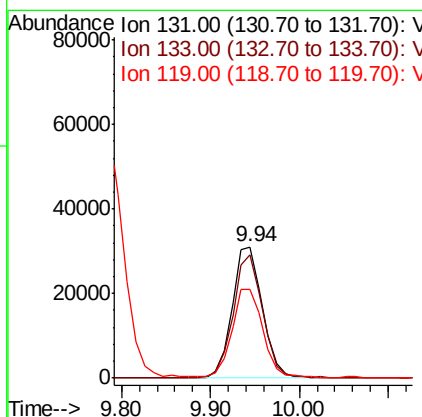
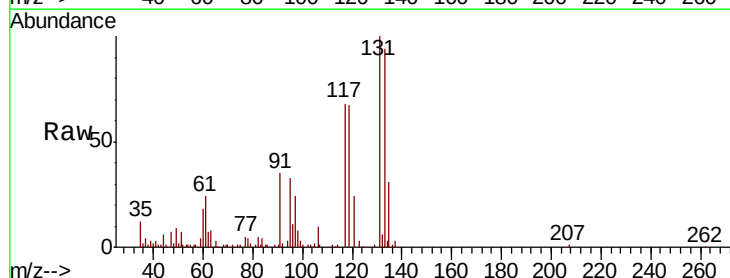
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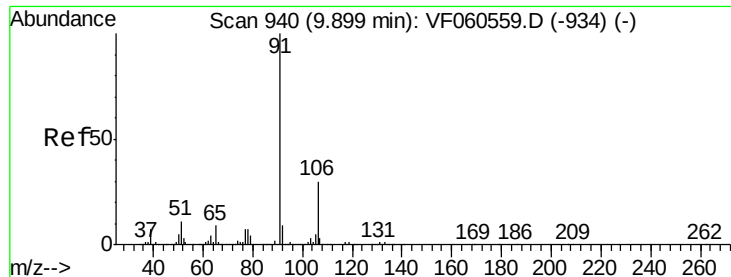
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.291 ug/l
RT: 9.94 min Scan# 944
Delta R.T. 0.01 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.9	49.5	148.7
119	67.3	35.2	105.6





#67

Ethyl Benzene

Concen: 22.004 ug/l

RT: 9.92 min Scan# 941

Delta R.T. 0.02 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

ClientSampleId :

VF1107SBS01

Tot Ion: 91 Resp: 328990

Ion Ratio Lower Upper

91 100

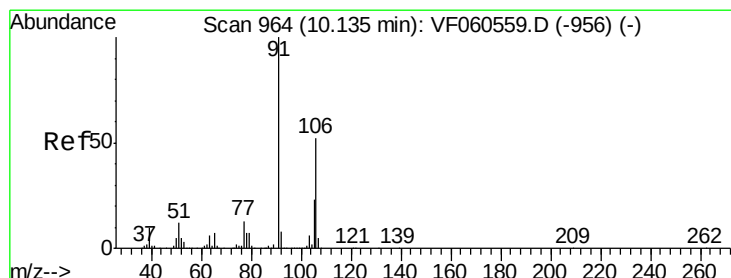
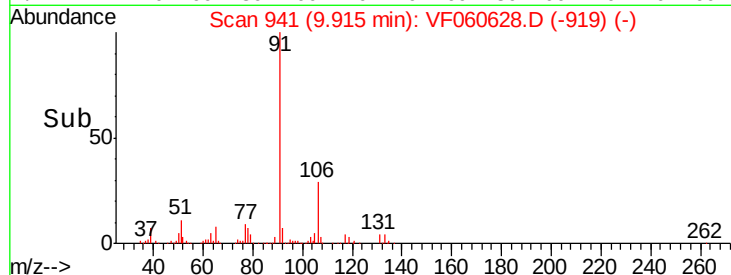
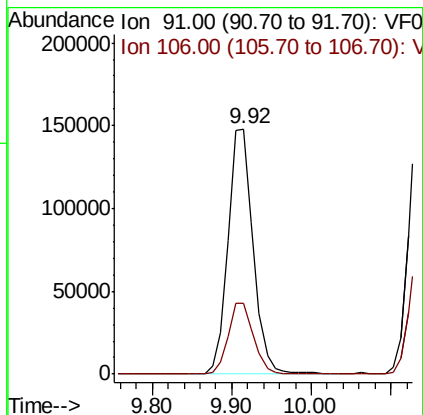
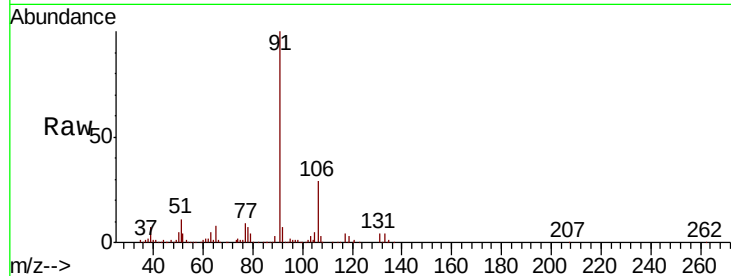
106 28.9 24.2 36.4

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#68

m/p-Xylenes

Concen: 40.470 ug/l

RT: 10.14 min Scan# 964

Delta R.T. 0.01 min

Lab File: VF060628.D

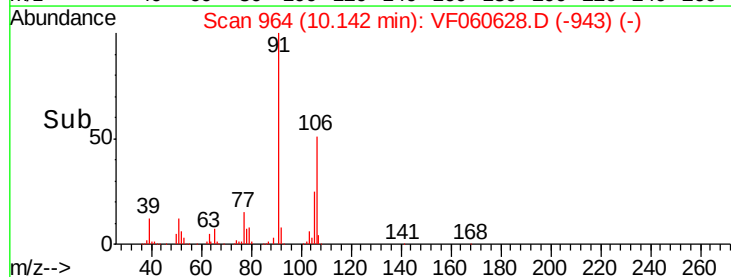
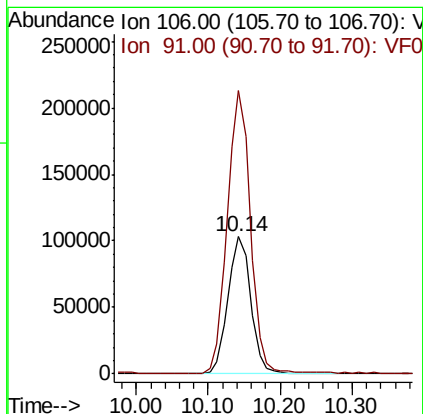
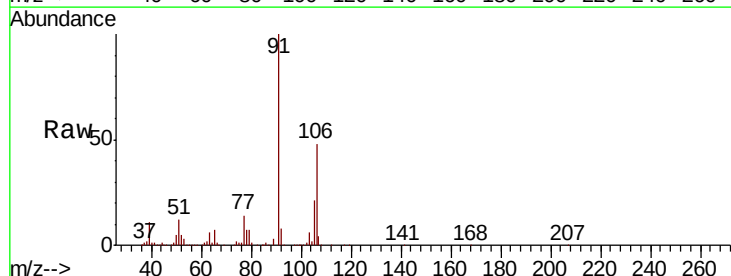
Acq: 7 Nov 2018 14:21

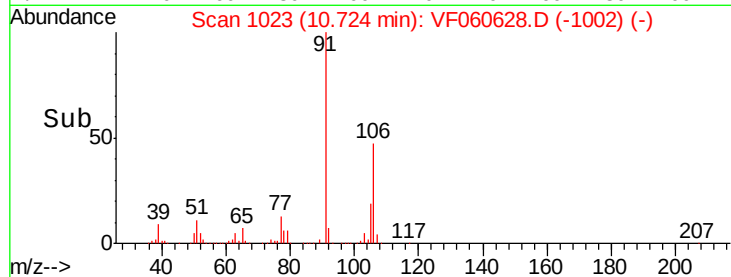
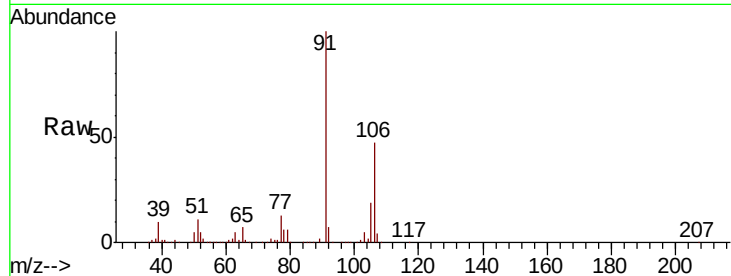
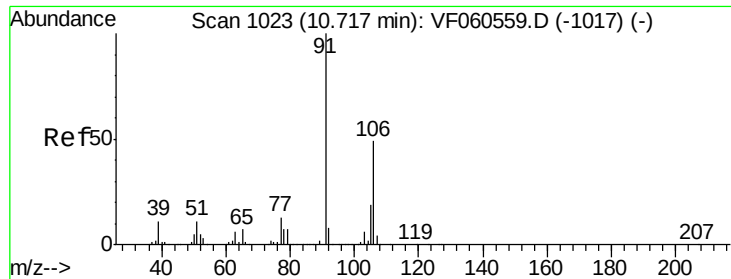
Tgt Ion: 106 Resp: 227930

Ion Ratio Lower Upper

106 100

91 206.5 153.9 230.9





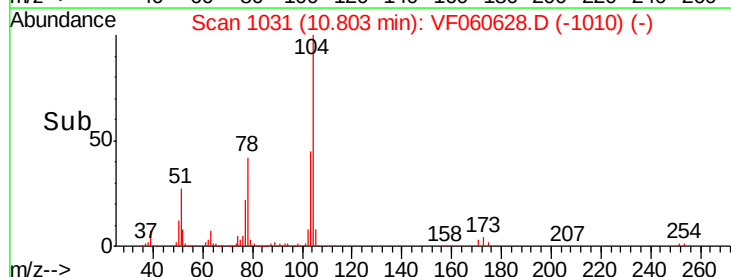
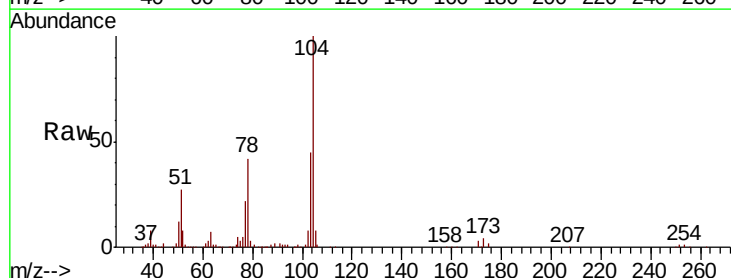
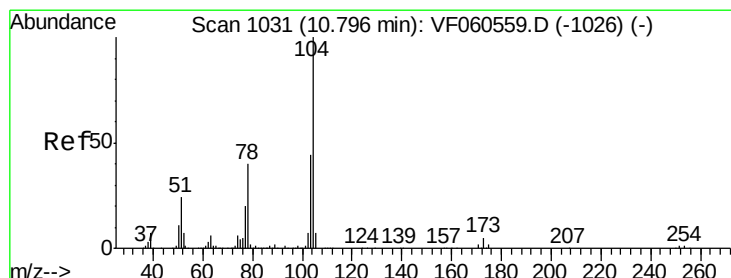
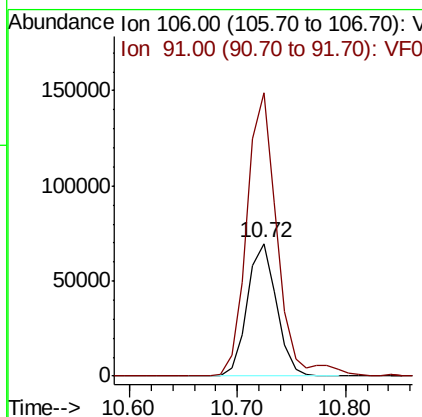
#69
o-Xylene
Concen: 21.321 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. 0.01 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.6	101.8	305.3

Instrument :
MSVOA_F
ClientSampleId :
VF1107SBS01

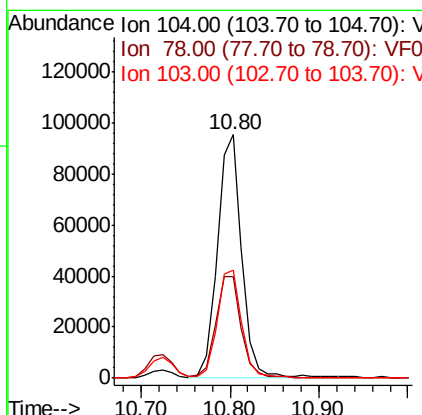
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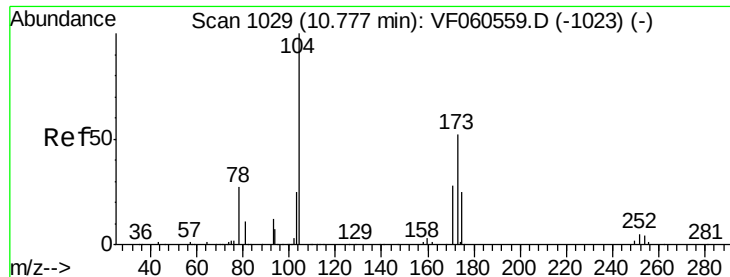
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#70
Styrene
Concen: 20.278 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Tgt Ion	Ratio	Lower	Upper
104	100		
78	41.9	32.6	49.0
103	44.5	35.2	52.8





#71

Bromoform

Concen: 16.738 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

ClientSampleId :

VF1107SBS01

Tot Ion:173 Resp: 30095

Ion Ratio Lower Upper

173 100

175 50.3 24.3 72.9

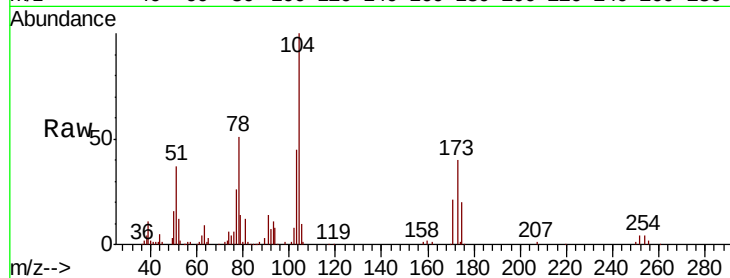
254 9.9 6.7 10.1

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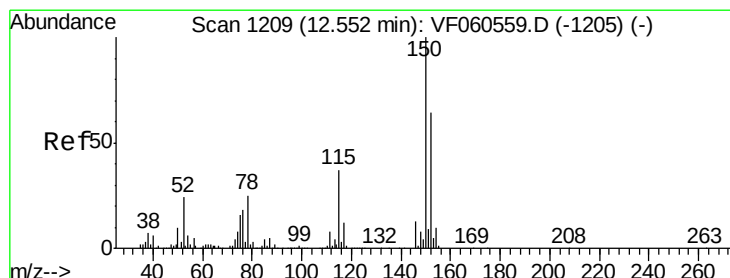
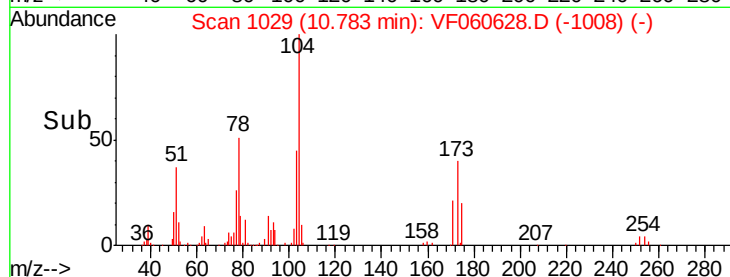
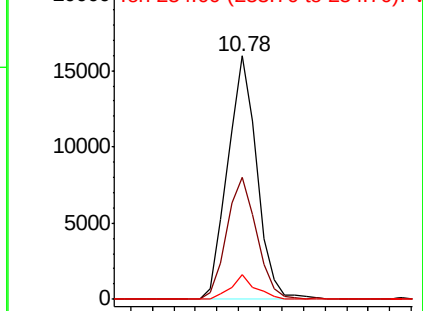


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1209

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

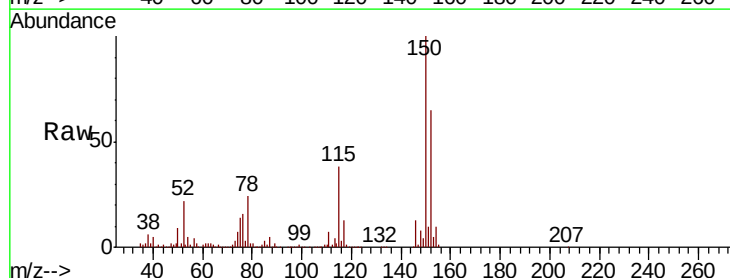
Tgt Ion:152 Resp: 220511

Ion Ratio Lower Upper

152 100

115 57.9 29.6 88.8

150 152.8 0.0 315.6

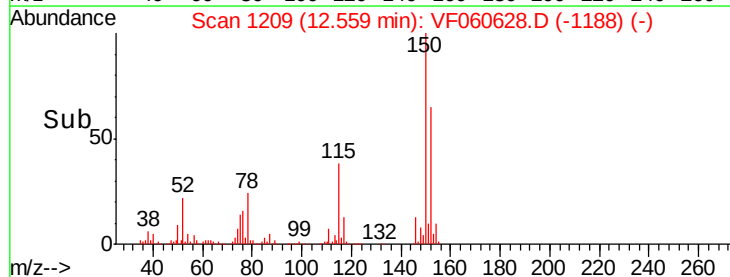
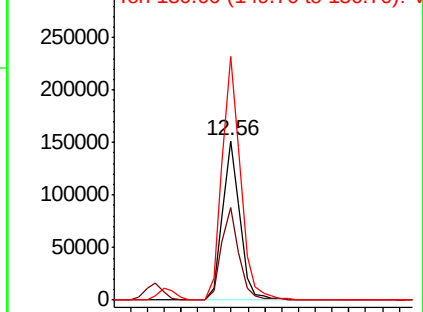


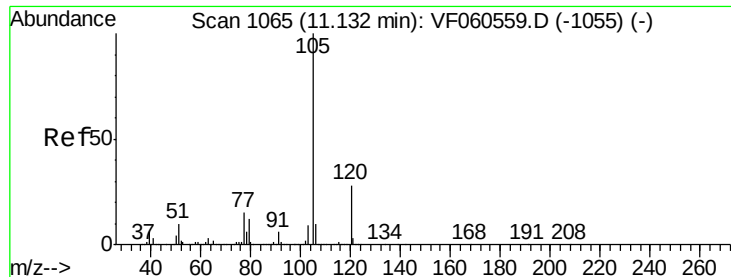
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.803 ug/l

RT: 11.14 min Scan# 1065

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

ClientSampleId :

VF1107SBS01

Tot Ion:105 Resp: 392145

Ion Ratio Lower Upper

105 100

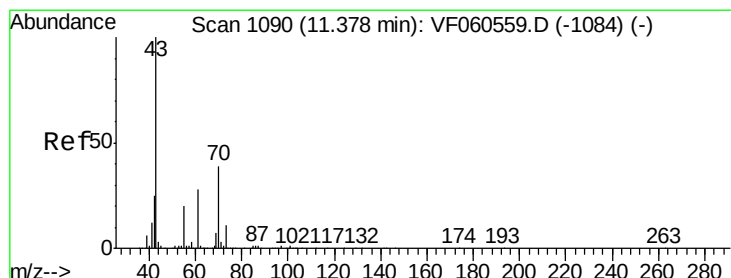
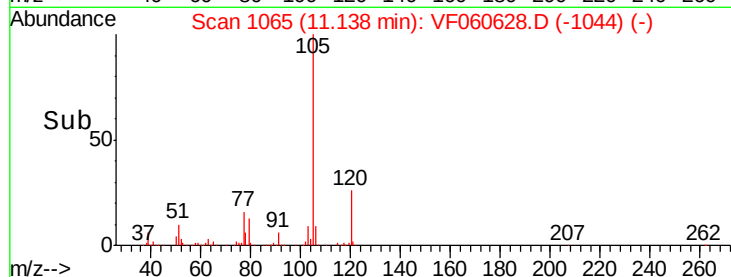
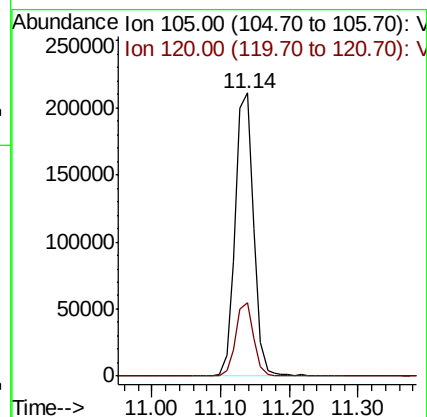
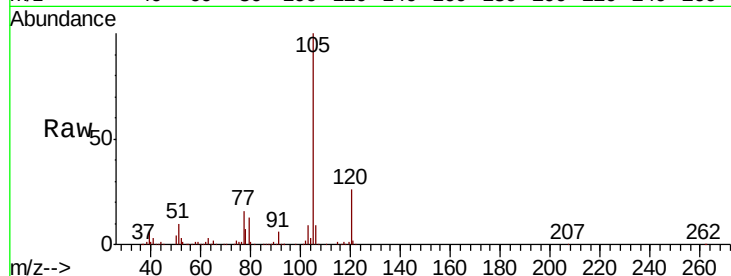
120 26.0 13.9 41.6

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#74

N-ethyl acetate

Concen: 20.742 ug/l

RT: 11.38 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Tgt Ion: 43 Resp: 99466

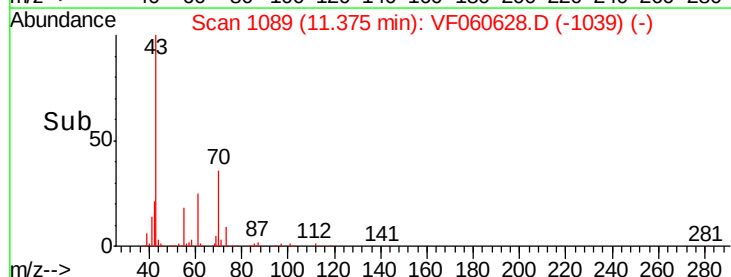
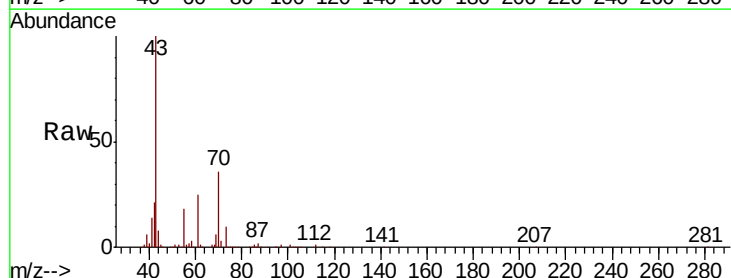
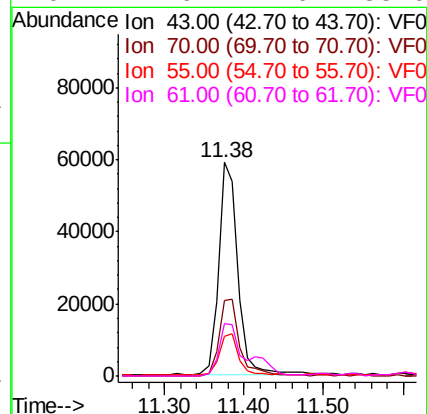
Ion Ratio Lower Upper

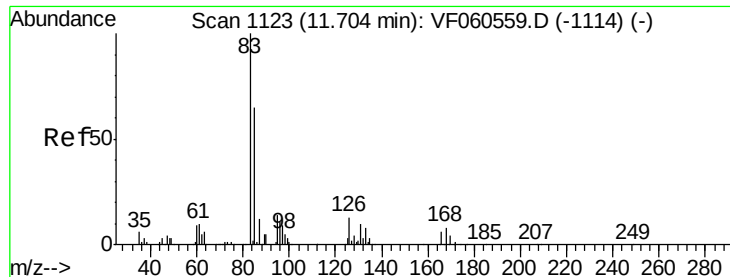
43 100

70 35.6 30.9 46.3

55 18.3 16.6 24.8

61 24.6 22.0 33.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.018 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

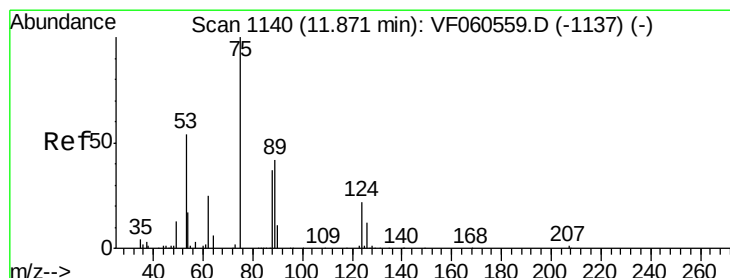
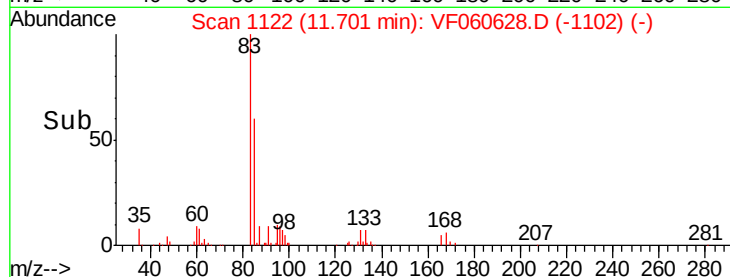
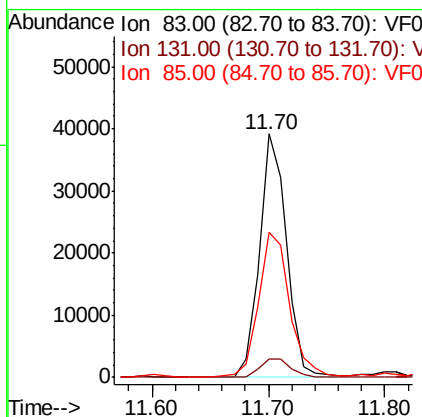
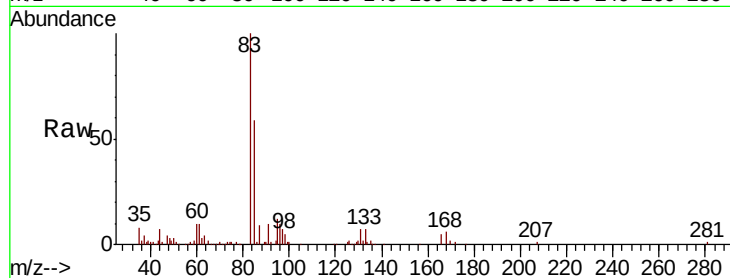
ClientSampleId :

VF1107SBS01

Tot Ion:	83	Resp:	62836
Ion Ratio	Lower	Upper	
83	100		
131	7.3	5.0	14.9
85	59.5	32.9	98.7

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#76

1,2,3-Trichloropropane

Concen: 18.706 ug/l

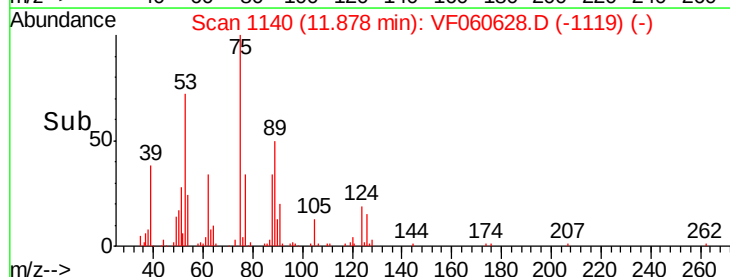
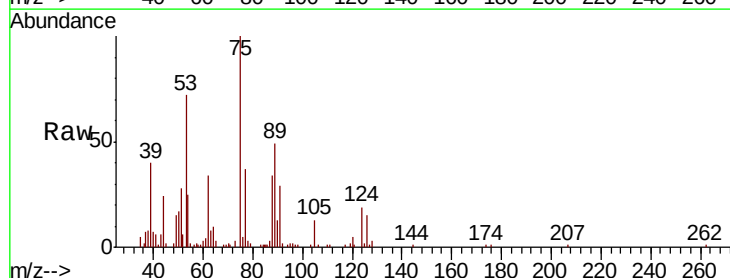
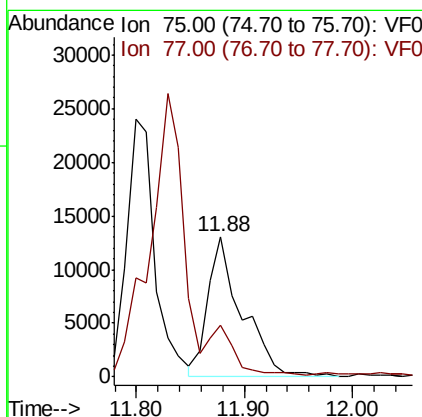
RT: 11.88 min Scan# 1140

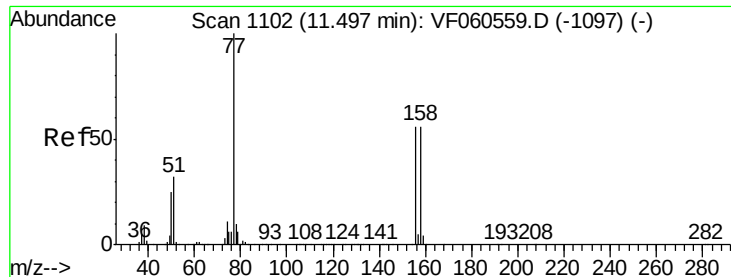
Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Tgt Ion:	75	Resp:	28857
Ion Ratio	Lower	Upper	
75	100		
77	36.6	17.4	52.3





#77

Bromobenzene

Concen: 20.700 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

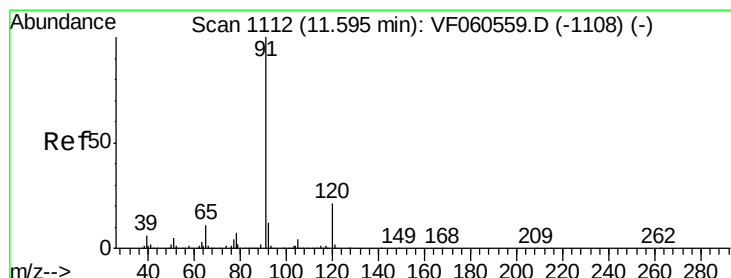
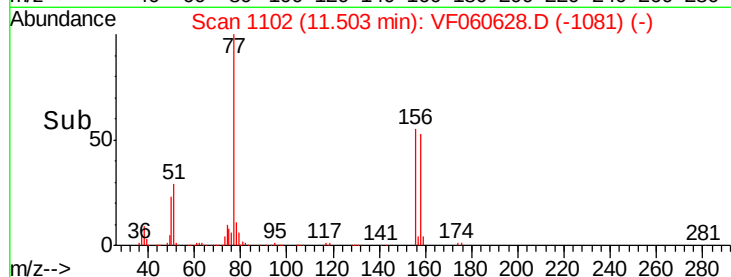
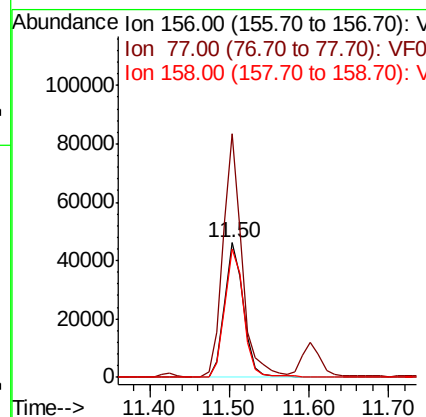
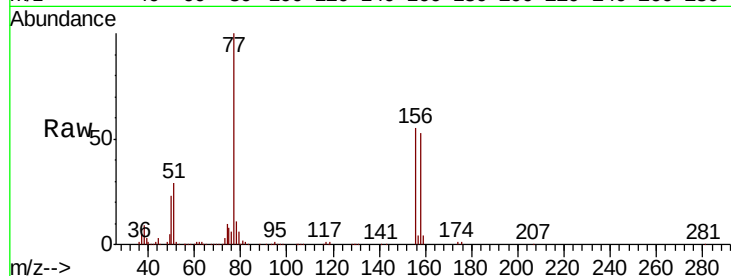
ClientSampleId :

VF1107SBS01

Tot Ion:	156	Resp:	77895
Ion Ratio	Lower	Upper	
156	100		
77	181.2	89.3	268.1
158	96.0	50.0	150.1

Manual Integrations
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#78

n-propylbenzene

Concen: 22.749 ug/l

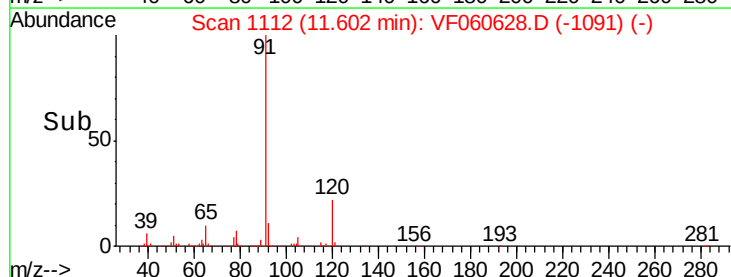
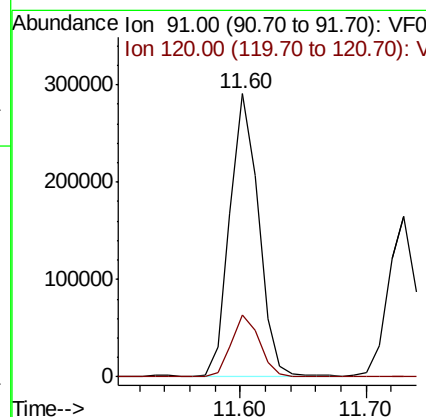
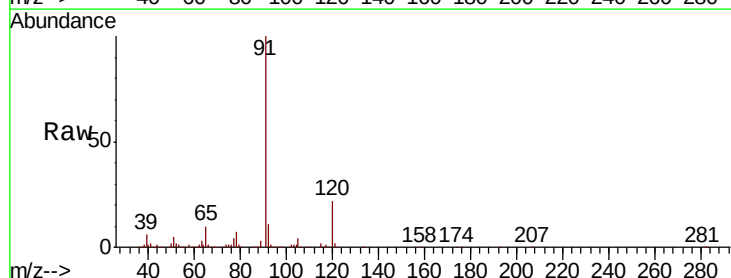
RT: 11.60 min Scan# 1112

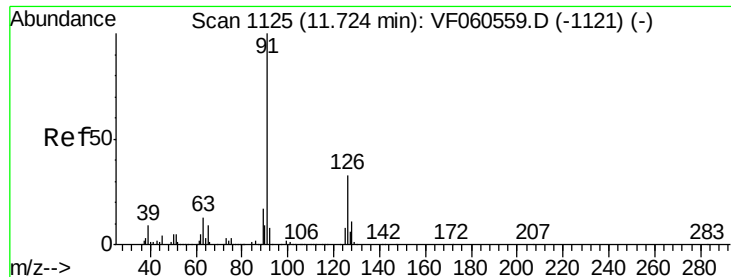
Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Tgt Ion:	91	Resp:	457732
Ion Ratio	Lower	Upper	
91	100		
120	22.0	10.5	31.6





#79

2-Chlorotoluene

Concen: 22.132 ug/l

RT: 11.73 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

ClientSampleId :

VF1107SBS01

Tot Ion: 91 Resp: 254320

Ion Ratio Lower Upper

91 100

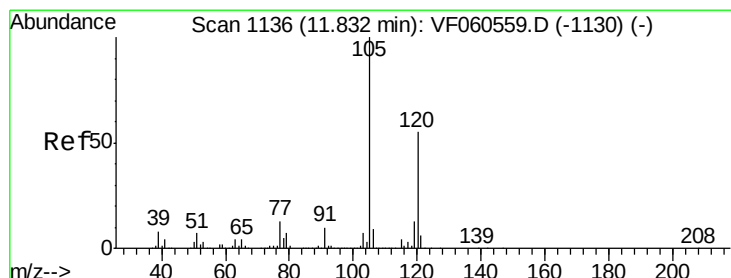
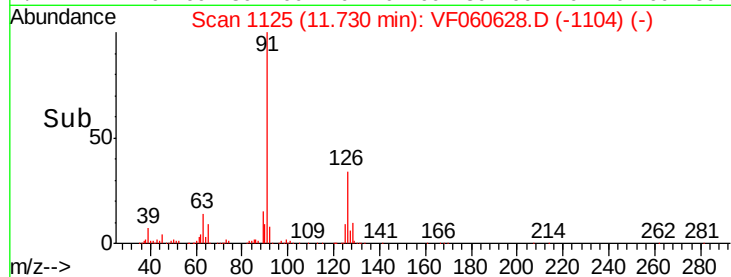
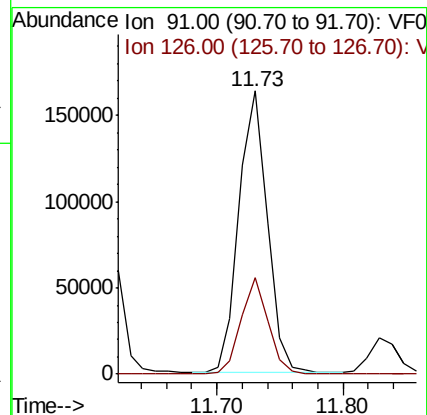
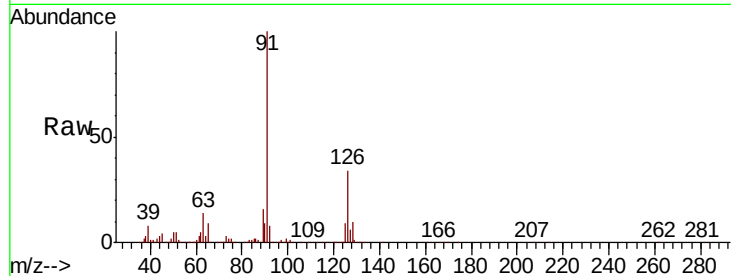
126 33.9 16.5 49.5

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#80

1,3,5-Trimethylbenzene

Concen: 21.957 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VF060628.D

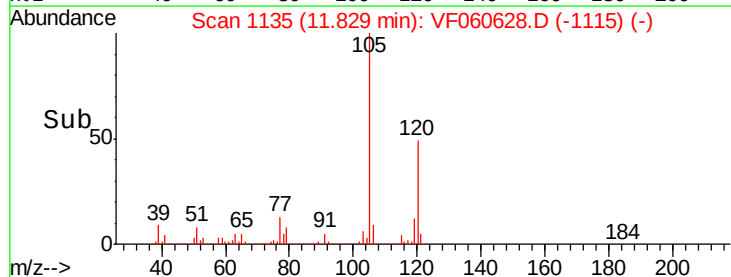
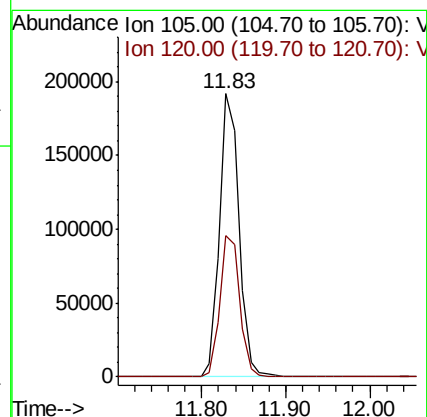
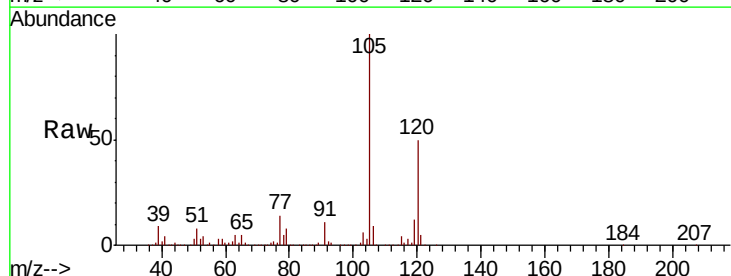
Acq: 7 Nov 2018 14:21

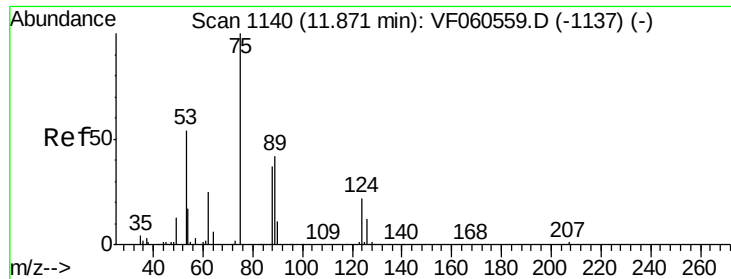
Tgt Ion: 105 Resp: 311246

Ion Ratio Lower Upper

105 100

120 49.8 27.6 82.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.187 ug/l m

RT: 11.88 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

ClientSampleId :

VF1107SBS01

Tot Ion: 75 Resp: 22049

Ion Ratio Lower Upper

75 100

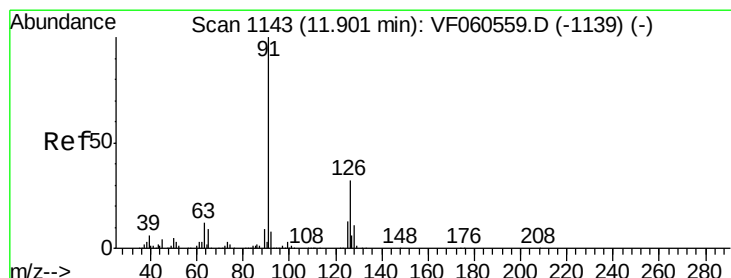
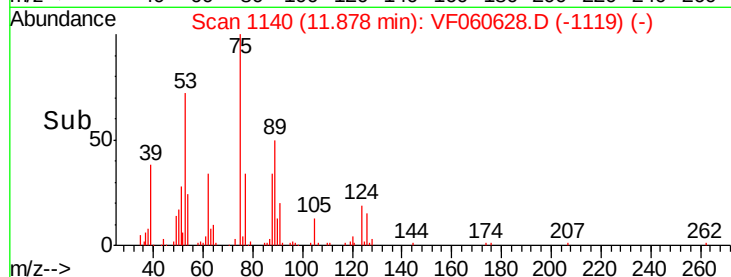
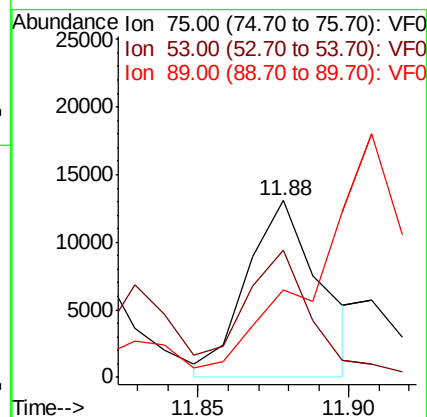
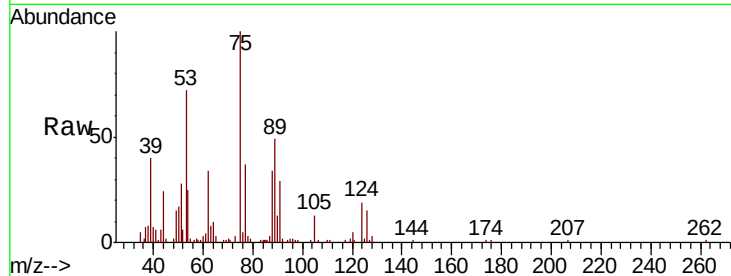
53 72.1 51.6 77.4

89 49.3 36.7 55.1

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#82

4-Chlorotoluene

Concen: 21.953 ug/l

RT: 11.91 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF060628.D

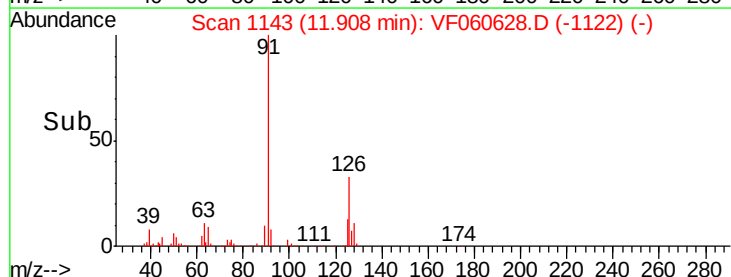
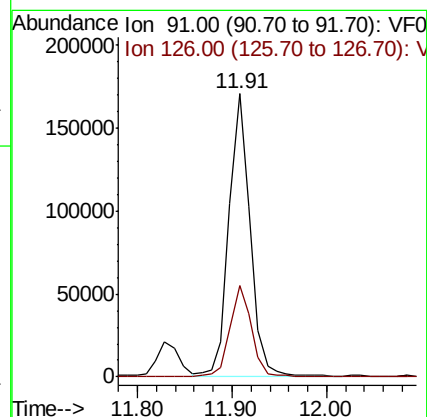
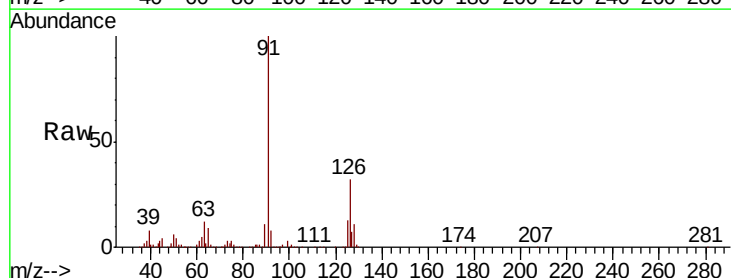
Acq: 7 Nov 2018 14:21

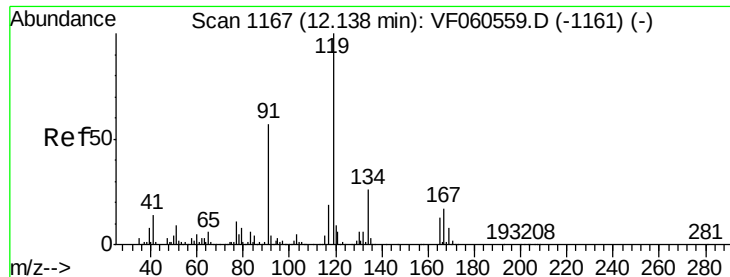
Tgt Ion: 91 Resp: 263191

Ion Ratio Lower Upper

91 100

126 32.4 15.9 47.7





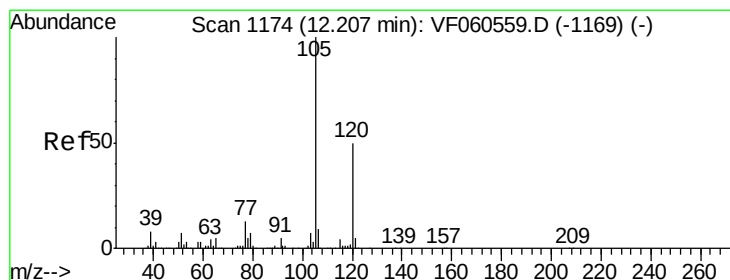
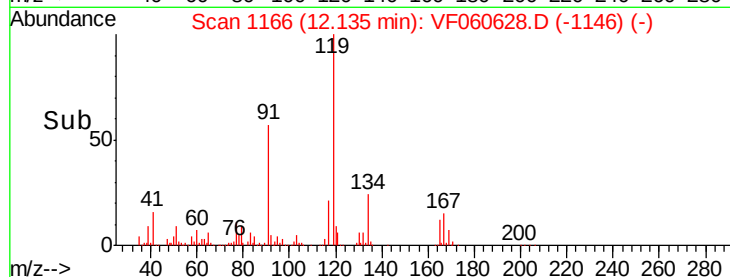
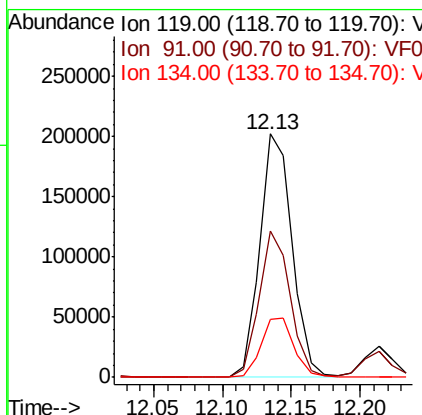
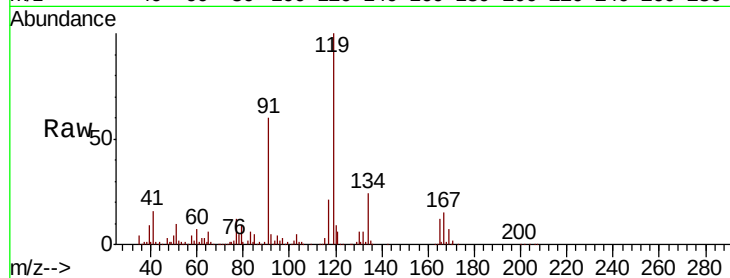
#83
 tert-Butylbenzene
 Concen: 22.932 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. -0.00 min
 Lab File: VF060628.D
 Acq: 7 Nov 2018 14:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1107SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.9	28.8	86.4
134	24.0	13.2	39.6

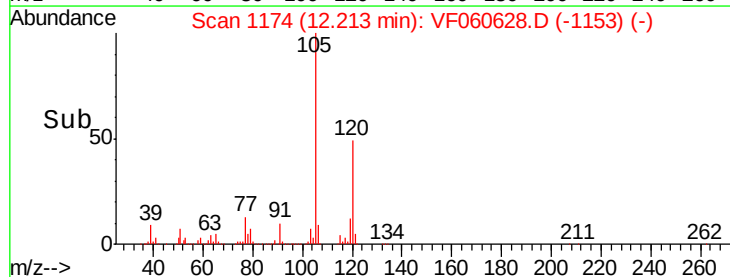
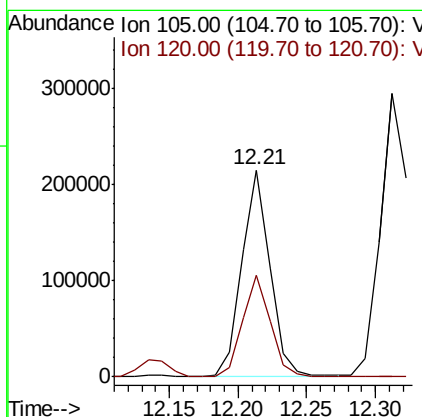
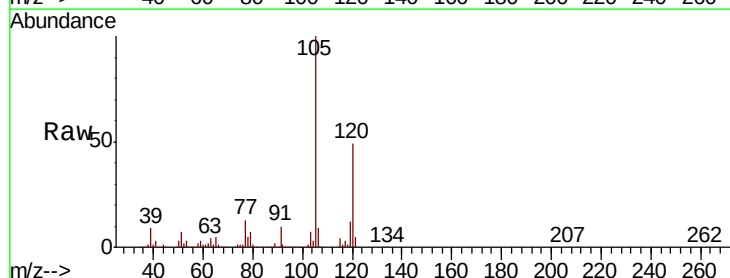
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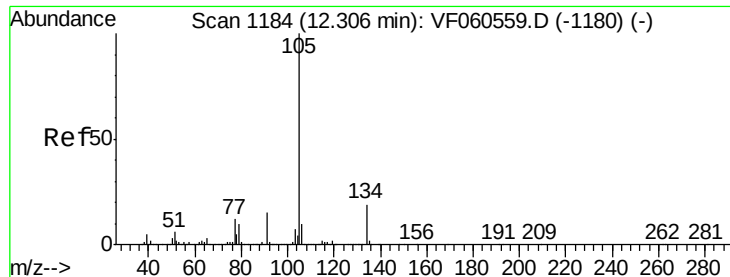
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.218 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. 0.01 min
 Lab File: VF060628.D
 Acq: 7 Nov 2018 14:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.2	25.6	76.8





#85

sec-Butylbenzene

Concen: 21.999 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

ClientSampleId :

VF1107SBS01

Tot Ion:105 Resp: 438243

Ion Ratio Lower Upper

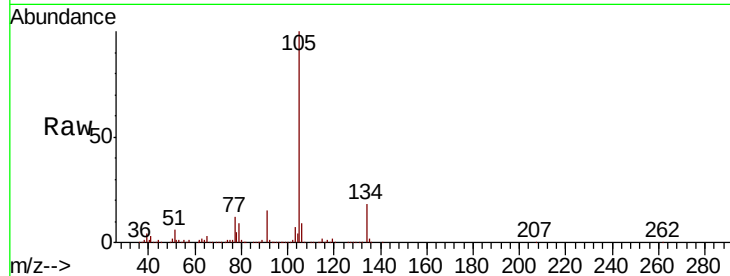
105 100

134 18.4 9.7 29.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.31

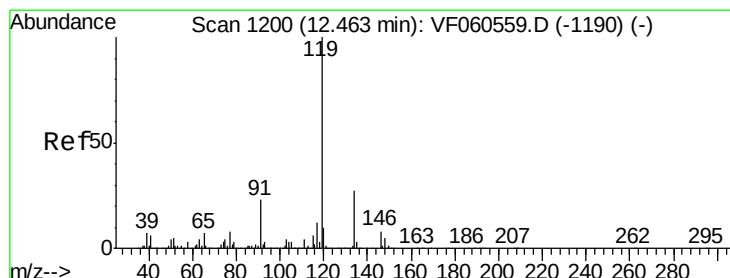
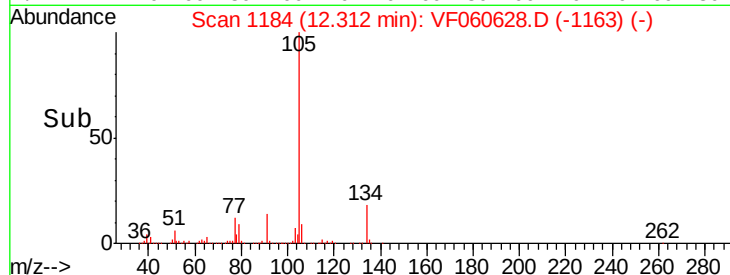
300000

200000

100000

0

Time--> 12.20 12.30 12.40



#86

p-Isopropyltoluene

Concen: 22.330 ug/l

RT: 12.47 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

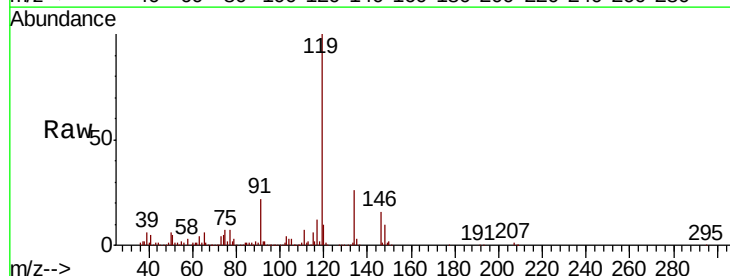
Tgt Ion:119 Resp: 366312

Ion Ratio Lower Upper

119 100

134 26.2 13.6 40.7

91 21.7 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

12.47

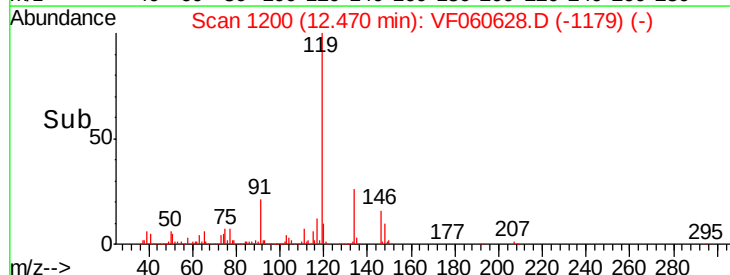
300000

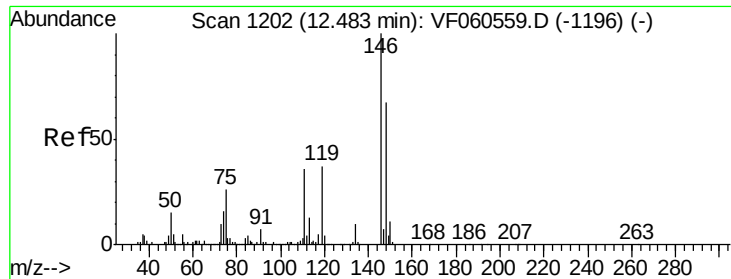
200000

100000

0

Time--> 12.30 12.40 12.50 12.60





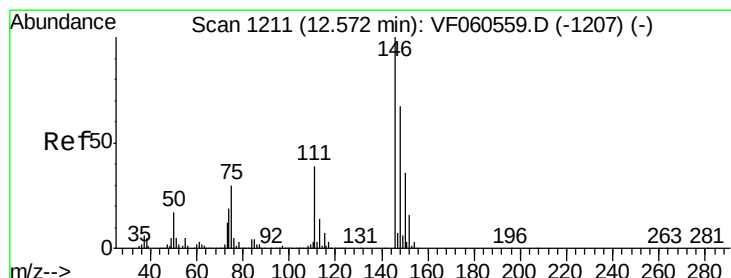
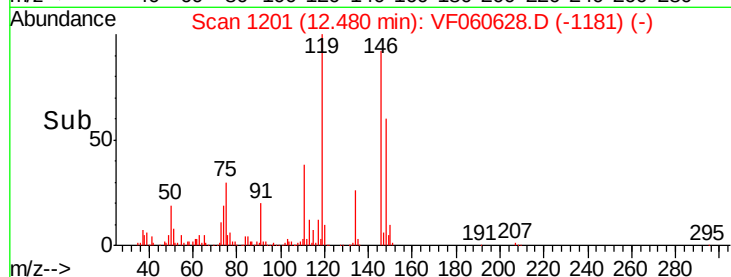
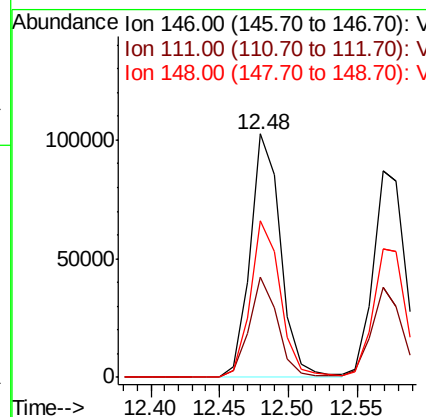
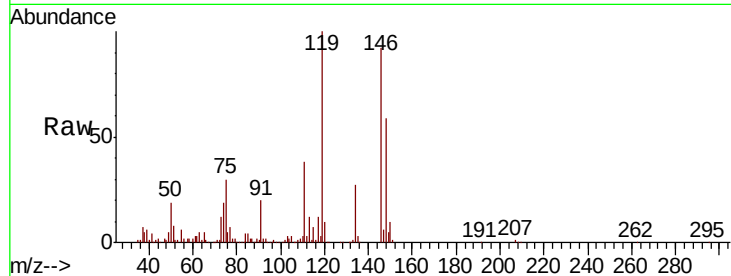
#87
 1,3-Dichlorobenzene
 Concen: 21.555 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF060628.D
 Acq: 7 Nov 2018 14:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1107SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	18.3	54.8
148	64.5	33.5	100.4

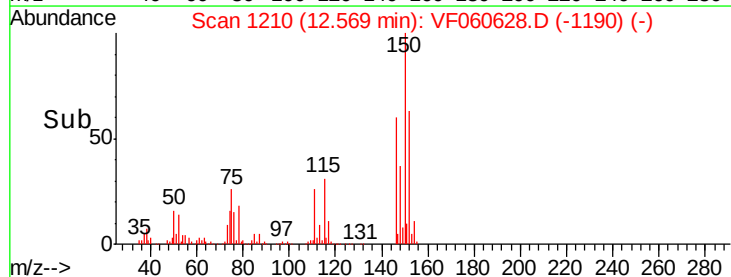
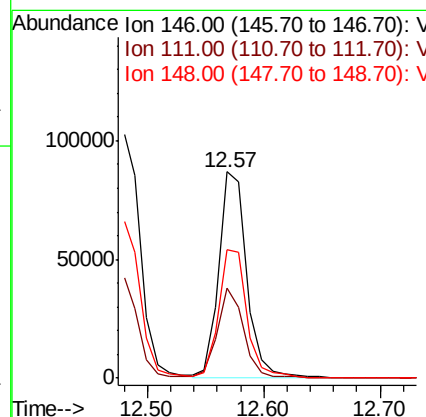
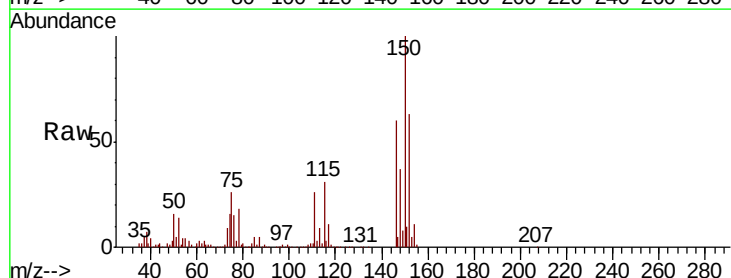
Manual Integrations
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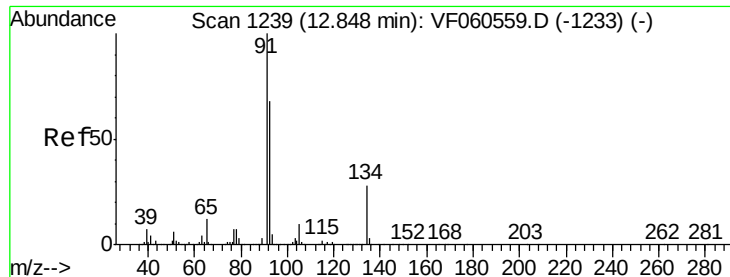
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#88
 1,4-Dichlorobenzene
 Concen: 20.518 ug/l
 RT: 12.57 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF060628.D
 Acq: 7 Nov 2018 14:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.9	19.7	59.1
148	62.6	33.7	101.1





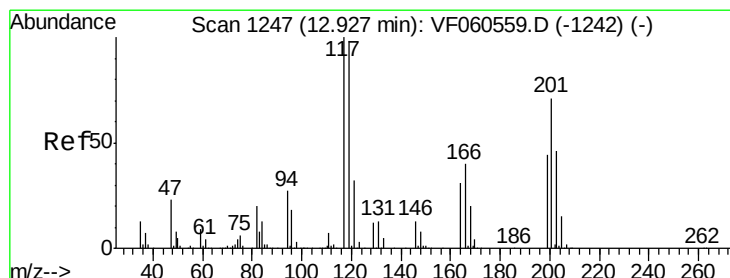
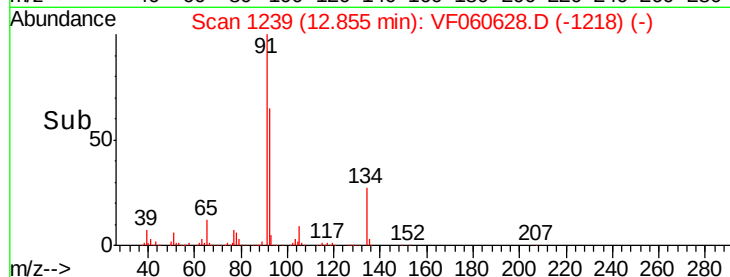
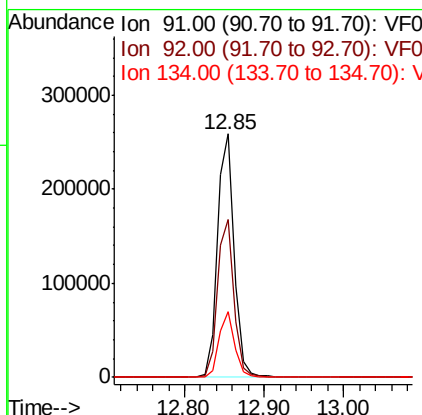
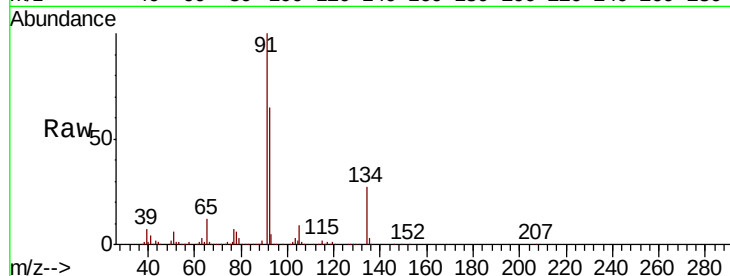
#89
n-Butylbenzene
Concen: 21.388 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Instrument :
MSVOA_F
ClientSampleId :
VF1107SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	64.7	34.1	102.2
134	26.9	13.9	41.6

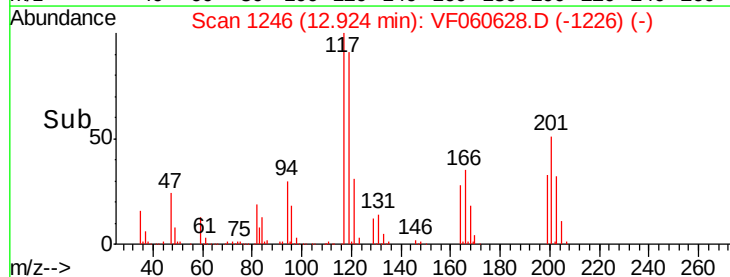
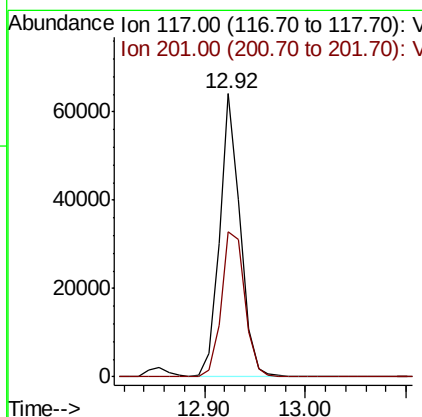
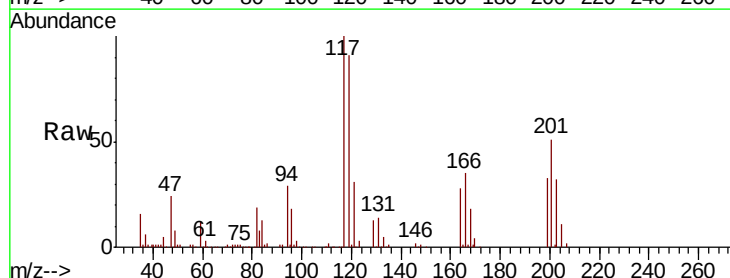
Manual Integrations
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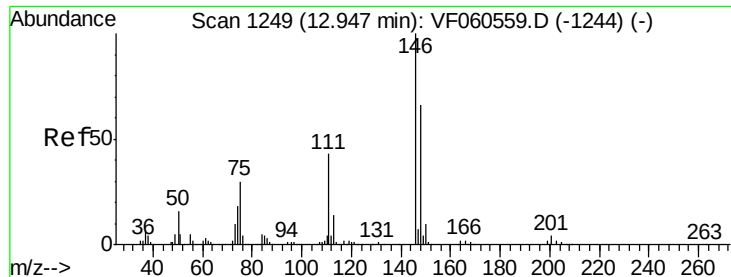
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#90
Hexachloroethane
Concen: 21.871 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. -0.00 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	51.2	35.2	105.6





#91

1,2-Dichlorobenzene

Concen: 21.589 ug/l

RT: 12.95 min Scan# 1249

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

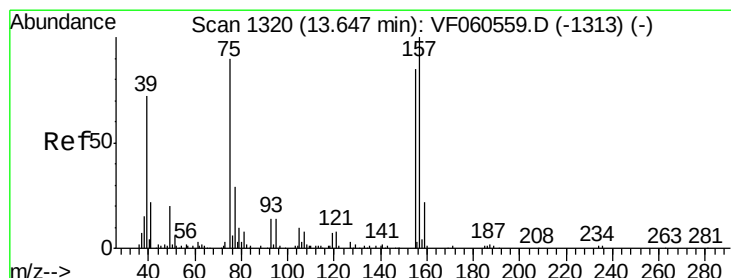
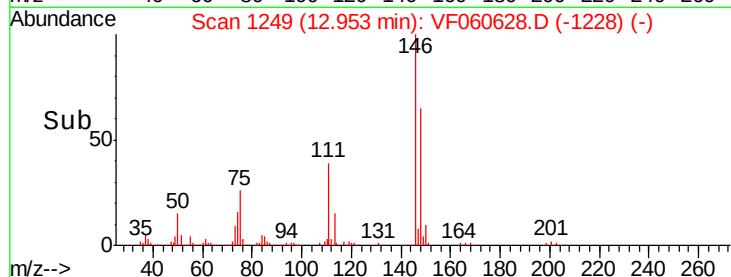
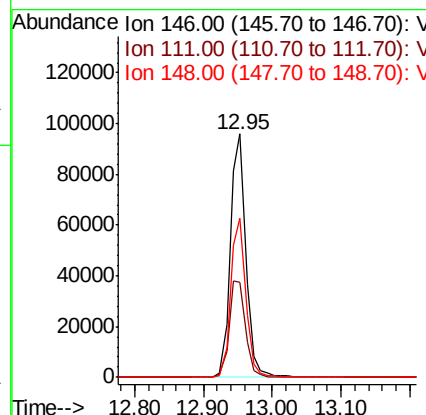
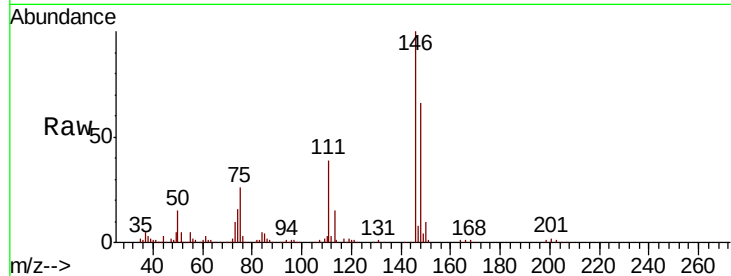
ClientSampleId :

VF1107SBSD01

Tot Ion:	146	Resp:	149177
Ion Ratio	Lower	Upper	
146	100		
111	39.3	21.3	64.0
148	65.5	32.9	98.7

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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.107 ug/l

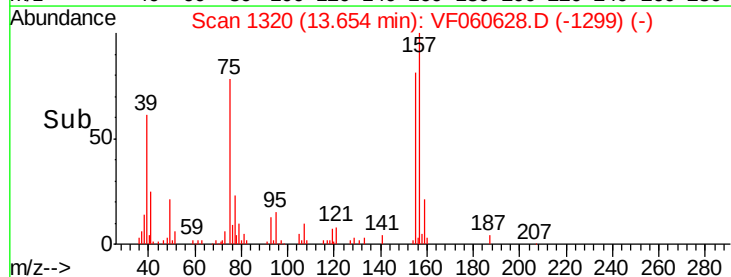
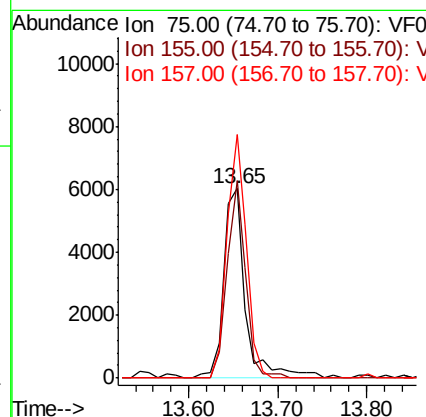
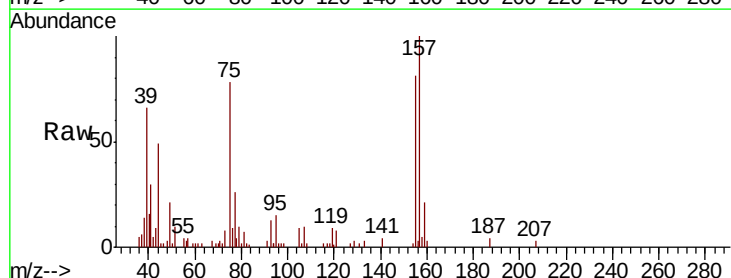
RT: 13.65 min Scan# 1320

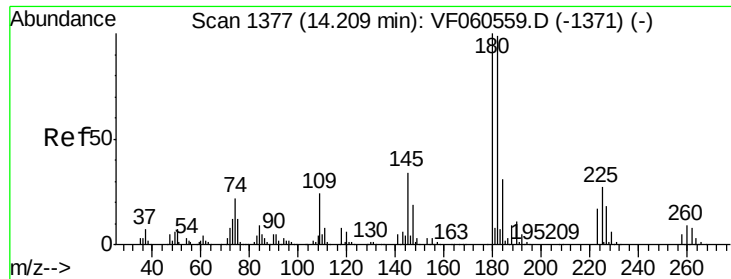
Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Tgt Ion:	75	Resp:	10420
Ion Ratio	Lower	Upper	
75	100		
155	104.6	47.3	141.8
157	128.5	55.3	165.9





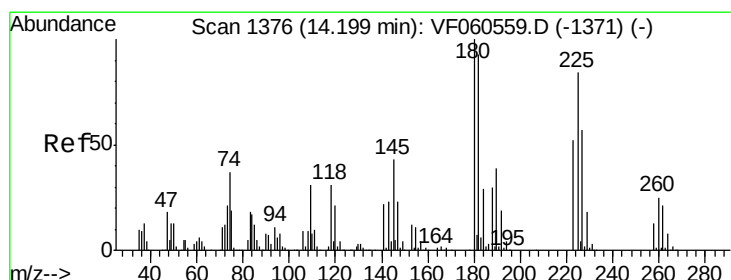
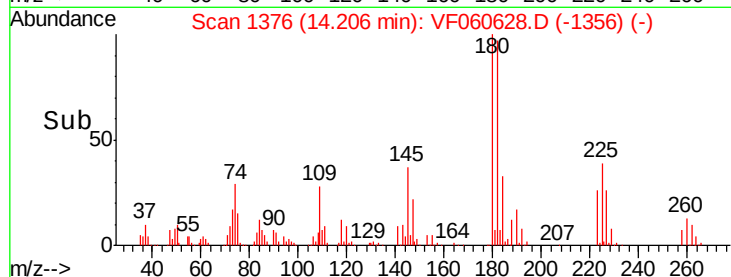
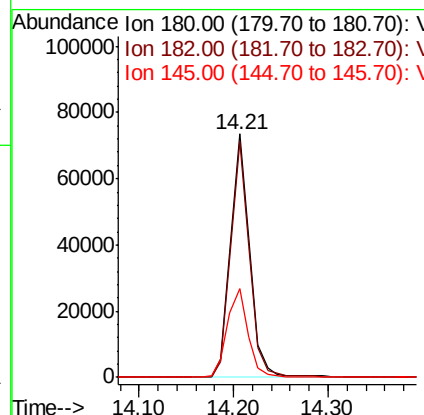
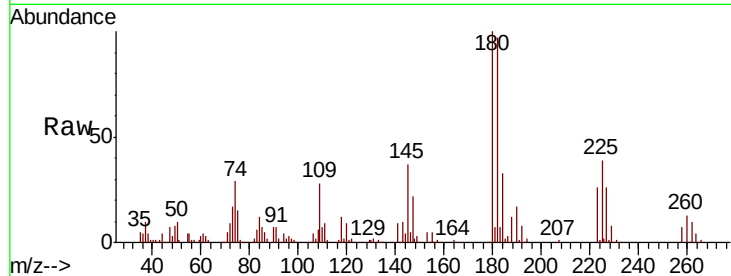
#93
 1,2,4-Trichlorobenzene
 Concen: 22.088 ug/l
 RT: 14.21 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VF060628.D
 Acq: 7 Nov 2018 14:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1107SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.1	49.7	149.1	
145	36.6	16.9	50.7	

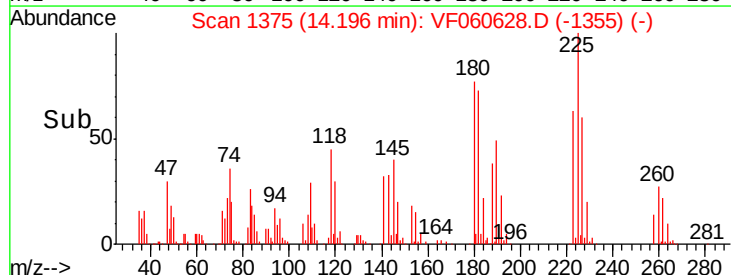
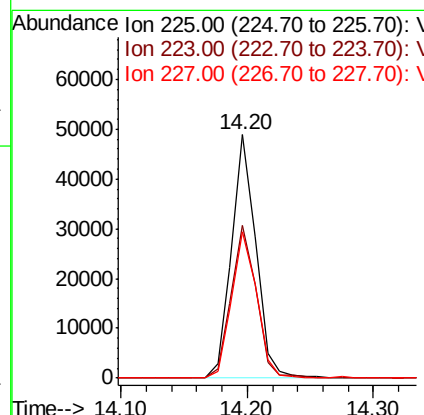
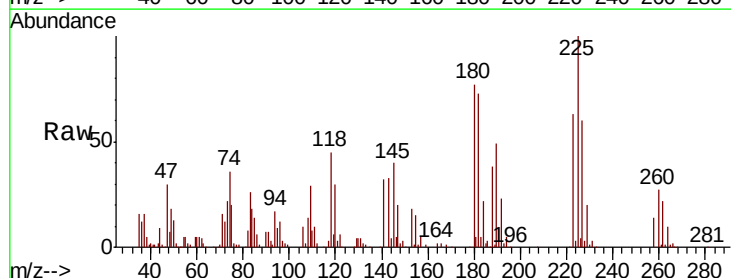
Manual Integrations
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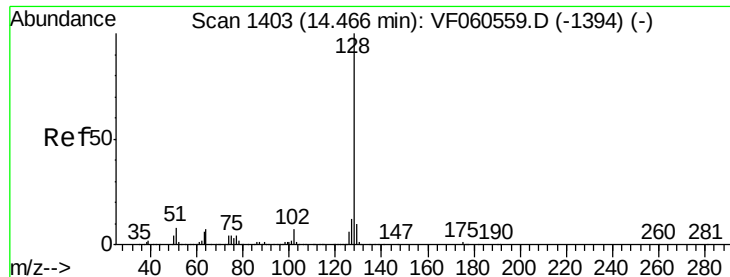
apatel
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#94
 Hexachlorobutadiene
 Concen: 21.348 ug/l
 RT: 14.20 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF060628.D
 Acq: 7 Nov 2018 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.7	30.9	92.5	
227	60.3	33.9	101.6	





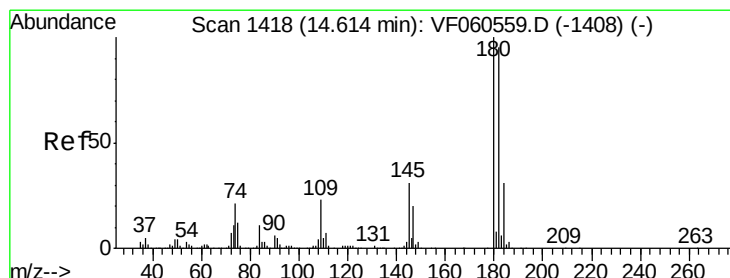
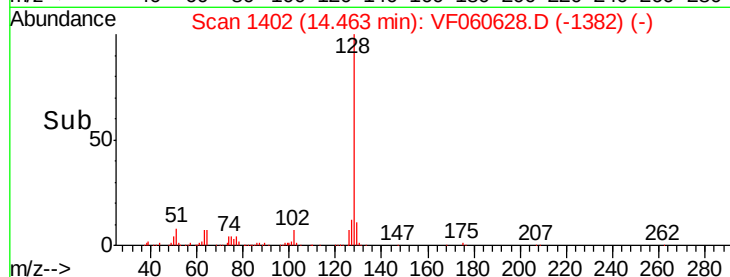
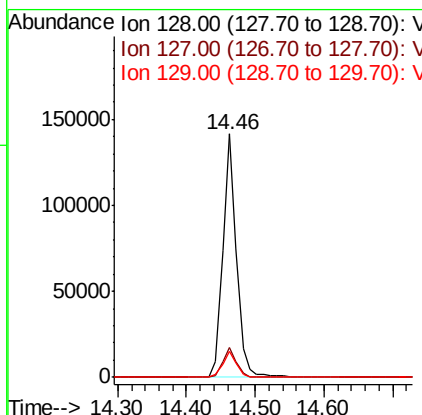
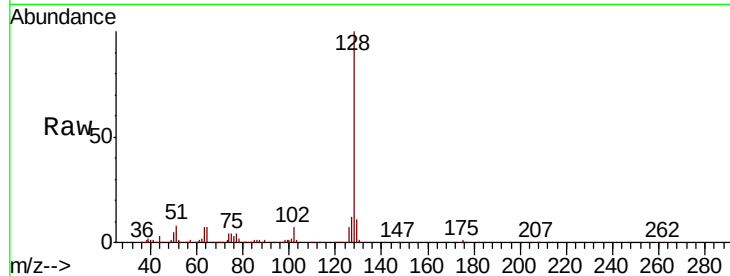
#95
Naphthalene
Concen: 20.847 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.00 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Instrument :
MSVOA_F
ClientSampleId :
VF1107SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	195874		
127	12.5		9.4	14.0
129	10.9		8.4	12.6

Manual Integrations
APPROVED

apatel
11/8/2018 10:28:40 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.221 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	94101		
182	94.4		47.3	142.0
145	32.7		15.6	46.8

