

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112918\
 Data File : VF060869.D
 Acq On : 29 Nov 2018 16:08
 Operator : VA/AP
 Sample : VF1129SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1129SBS01

Manual Integrations
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apatel
 12/3/2018 11:58:24 AM

Quant Time: Nov 30 06:16:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	212505	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.60	114	362315	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.79	117	322889	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.56	152	173167	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	135510	54.13	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	108.26%	
35) Dibromofluoromethane	4.11	113	138930	48.33	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	96.66%	
50) Toluene-d8	7.57	98	399778	47.22	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	94.44%	
62) 4-Bromofluorobenzene	11.42	95	189289	49.19	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	98.38%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	70065	22.051	ug/l	98
3) Chloromethane	1.10	50	45369	21.943	ug/l	97
4) Vinyl Chloride	1.13	62	43303	22.453	ug/l	98
5) Bromomethane	1.33	94	28974	21.306	ug/l	91
6) Chloroethane	1.37	64	17497	20.988	ug/l	95
7) Trichlorofluoromethane	1.49	101	88303m	21.340	ug/l	
8) Diethyl Ether	1.63	74	12987	21.826	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.82	101	41420	19.800	ug/l	95
10) Methyl Iodide	1.89	142	69807m	21.954	ug/l	
11) Tert butyl alcohol	2.58	59	10841	105.642	ug/l	95
12) 1,1-Dichloroethene	1.79	96	33234	19.751	ug/l	87
13) Acrolein	2.01	56	9963	102.470	ug/l	99
14) Allyl chloride	2.10	41	49237	23.477	ug/l	95
15) Acrylonitrile	2.95	53	24594	106.900	ug/l	90
16) Acetone	2.24	43	53649	116.214	ug/l	99
17) Carbon Disulfide	1.82	76	96051	21.290	ug/l	98
18) Methyl Acetate	2.35	43	20457	25.608	ug/l	96
19) Methyl tert-butyl Ether	2.44	73	80750	21.307	ug/l	95
20) Methylene Chloride	2.18	84	38169m	22.538	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	36702	22.625	ug/l	91
22) Diisopropyl ether	2.80	45	123028	21.551	ug/l	97
23) Vinyl Acetate	3.20	43	296152	113.490	ug/l	97
24) 1,1-Dichloroethane	2.87	63	76945	22.655	ug/l	99
25) 2-Butanone	4.34	43	89382	111.941	ug/l	93
26) 2,2-Dichloropropane	3.61	77	49626	22.537	ug/l	99
27) cis-1,2-Dichloroethene	3.48	96	57543	21.789	ug/l	98
28) Bromochloromethane	3.73	49	35958	22.060	ug/l	94
29) Tetrahydrofuran	4.08	42	37447	110.639	ug/l	97
30) Chloroform	3.87	83	112974	21.612	ug/l	97
31) Cyclohexane	3.71	56	78703	22.328	ug/l	99
32) 1,1,1-Trichloroethane	4.10	97	79918	22.045	ug/l	94
36) 1,1-Dichloropropene	4.29	75	80466	20.023	ug/l	98
37) Ethyl Acetate	4.12	43	35103	21.495	ug/l	87
38) Carbon Tetrachloride	3.99	117	71962	20.274	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	88529	21.021	ug/l	99
40) Benzene	4.64	78	183152	20.630	ug/l	97
41) Methacrylonitrile	4.74	41	18614	19.661	ug/l #	88
42) 1,2-Dichloroethane	4.95	62	65136	20.096	ug/l	98
43) Isopropyl Acetate	6.96	43	42564	19.463	ug/l #	85
44) Trichloroethene	5.51	130	58907	20.293	ug/l	98
45) 1,2-Dichloropropane	6.24	63	47763	20.715	ug/l	95
46) Dibromomethane	6.10	93	32789	20.963	ug/l	97
47) Bromodichloromethane	6.39	83	84462	20.331	ug/l	95
48) Methyl methacrylate	6.73	41	30145	20.393	ug/l	97
49) 1,4-Dioxane	6.72	88	4524	418.166	ug/l	84
51) 4-Methyl-2-Pentanone	8.27	43	162584	107.960	ug/l	96
52) Toluene	7.63	92	118664	19.029	ug/l	87
53) t-1,3-Dichloropropene	8.29	75	67213	19.890	ug/l	93
54) cis-1,3-Dichloropropene	7.31	75	88022	21.041	ug/l	97
55) 1,1,2-Trichloroethane	8.50	97	36575	20.128	ug/l	96
56) Ethyl methacrylate	8.63	69	38195	18.922	ug/l	94
57) 1,3-Dichloropropane	8.87	76	68295	21.482	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.30	63	21006	101.738	ug/l	90
59) 2-Hexanone	9.50	43	113402	107.335	ug/l	98
60) Dibromochloromethane	8.72	129	54125	19.991	ug/l	97
61) 1,2-Dibromoethane	9.00	107	37116	18.908	ug/l	93
64) Tetrachloroethene	8.17	164	50220	20.363	ug/l	98
65) Chlorobenzene	9.80	112	131034	20.861	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	55271	20.468	ug/l	94
67) Ethyl Benzene	9.90	91	248375	21.239	ug/l	98
68) m/p-Xylenes	10.14	106	182966	43.502	ug/l	99
69) o-Xylene	10.72	106	99009	21.348	ug/l	87
70) Styrene	10.80	104	145859	22.687	ug/l	97
71) Bromoform	10.78	173	29615	22.705	ug/l #	86
73) Isopropylbenzene	11.14	105	297678	21.753	ug/l	98
74) N-amyl acetate	11.38	43	73191	23.162	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.70	83	51816	23.007	ug/l	97
76) 1,2,3-Trichloropropane	11.80	75	39266	23.986	ug/l	92
77) Bromobenzene	11.50	156	62111	20.702	ug/l	87
78) n-propylbenzene	11.60	91	348935	21.773	ug/l	99
79) 2-Chlorotoluene	11.73	91	210800	22.941	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	247818	22.307	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.88	75	17473m	21.784	ug/l	
82) 4-Chlorotoluene	11.91	91	205331	21.233	ug/l	98
83) tert-Butylbenzene	12.13	119	243495	21.517	ug/l	94
84) 1,2,4-Trimethylbenzene	12.21	105	237651	21.434	ug/l	99
85) sec-Butylbenzene	12.31	105	330992	21.366	ug/l	97
86) p-Isopropyltoluene	12.47	119	285098	21.951	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	124928	21.891	ug/l	96
88) 1,4-Dichlorobenzene	12.58	146	118686	21.341	ug/l	100
89) n-Butylbenzene	12.85	91	295960	22.536	ug/l	97
90) Hexachloroethane	12.92	117	66425	21.239	ug/l	97
91) 1,2-Dichlorobenzene	12.95	146	118707	21.965	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.65	75	8948	20.550	ug/l	91

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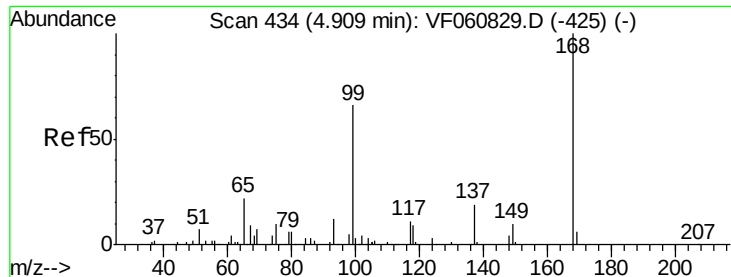
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	85341	22.600	ug/l	97
94) Hexachlorobutadiene	14.19	225	50604	20.103	ug/l	99
95) Naphthalene	14.46	128	160130	19.730	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	77893	22.216	ug/l	96

(#) = 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. -0.03 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Instrument :

MSVOA_F

ClientSampleId :

VF1129SBS01

Tot Ion:168 Resp: 212505

Ion Ratio Lower Upper

168 100

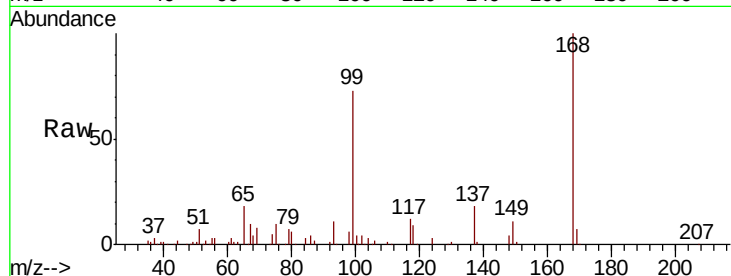
99 73.2 52.6 79.0

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

60000

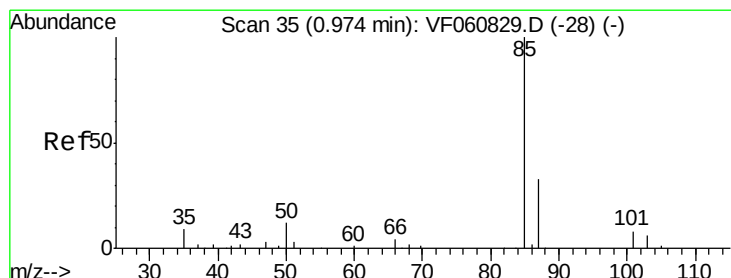
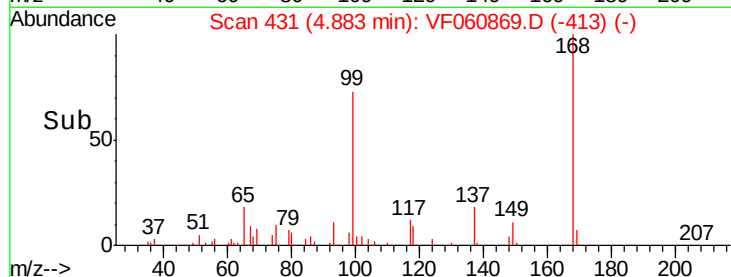
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.051 ug/l

RT: 0.97 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060869.D

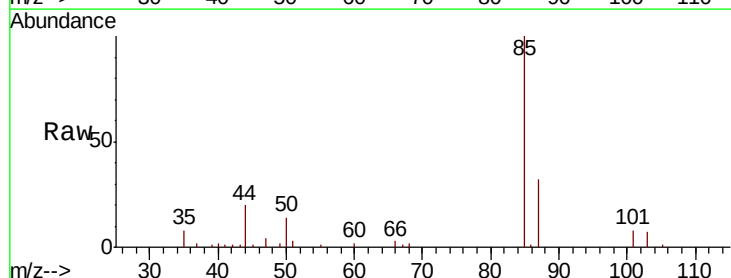
Acq: 29 Nov 2018 16:08

Tgt Ion: 85 Resp: 70065

Ion Ratio Lower Upper

85 100

87 32.0 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

20000

15000

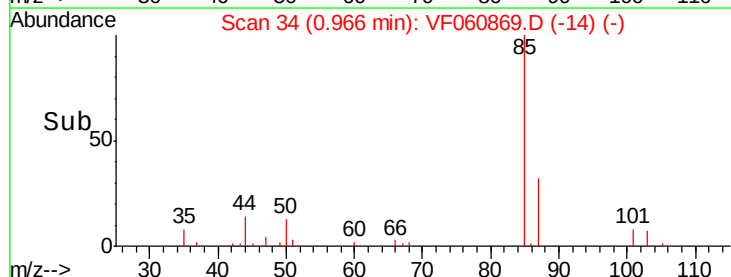
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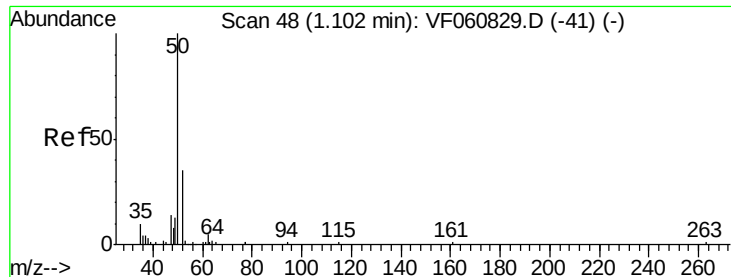
5000

0

0.80 0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 21.943 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Instrument :

MSVOA_F

ClientSampleId :

VF1129SBS01

Tot Ion: 50 Resp: 45369

Ion Ratio Lower Upper

50 100

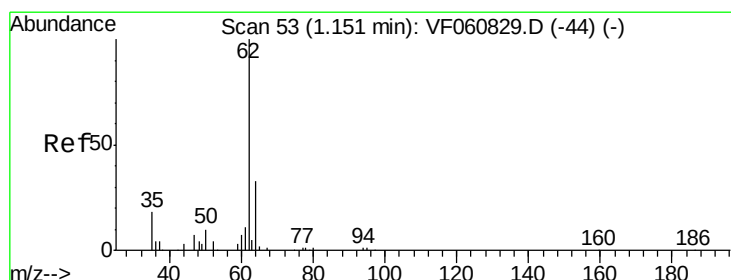
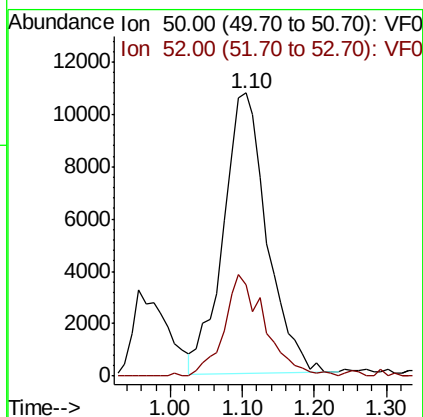
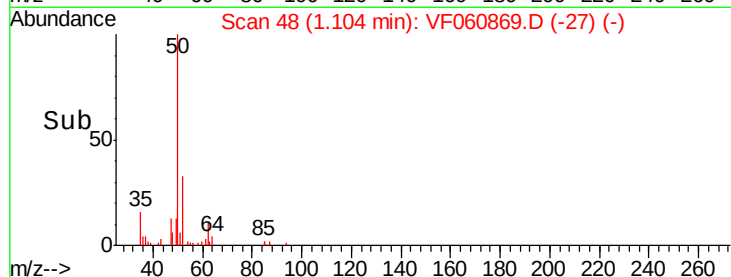
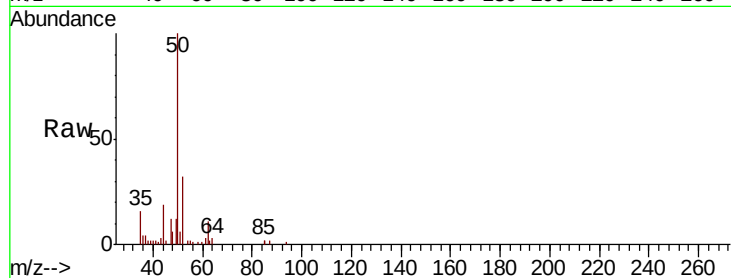
52 32.2 27.0 40.4

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#4

Vinyl Chloride

Concen: 22.453 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.02 min

Lab File: VF060869.D

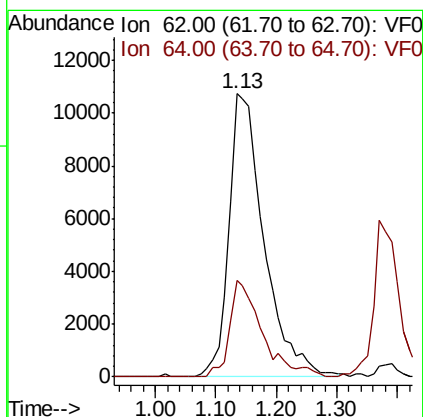
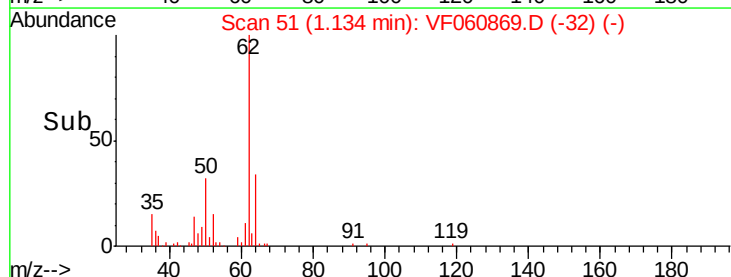
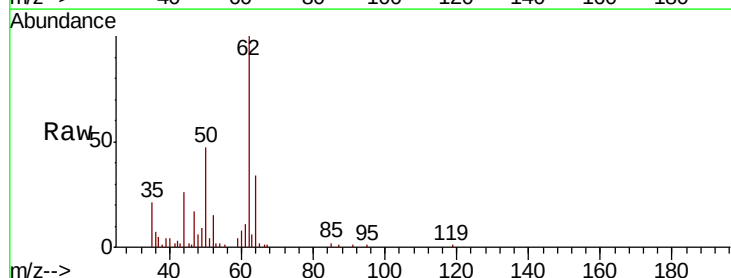
Acq: 29 Nov 2018 16:08

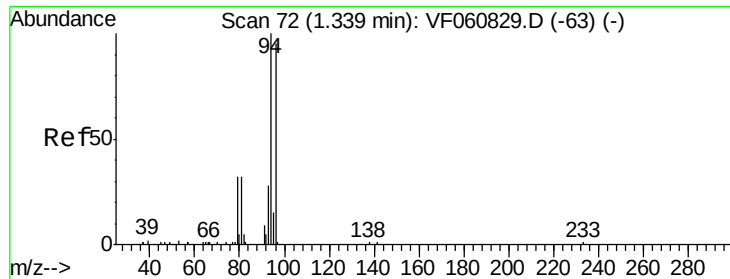
Tgt Ion: 62 Resp: 43303

Ion Ratio Lower Upper

62 100

64 33.9 26.4 39.6





#5

Bromomethane

Concen: 21.306 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Instrument :

MSVOA_F

ClientSampleId :

VF1129SBS01

Tot Ion: 94 Resp: 28974

Ion Ratio Lower Upper

94 100

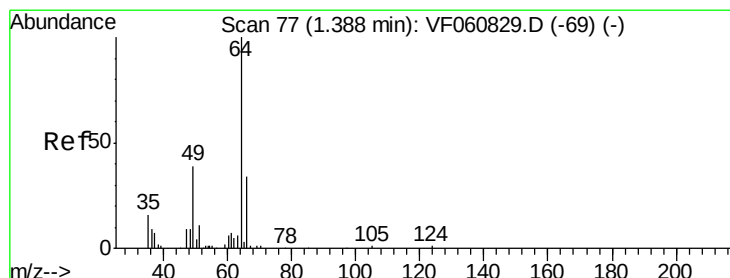
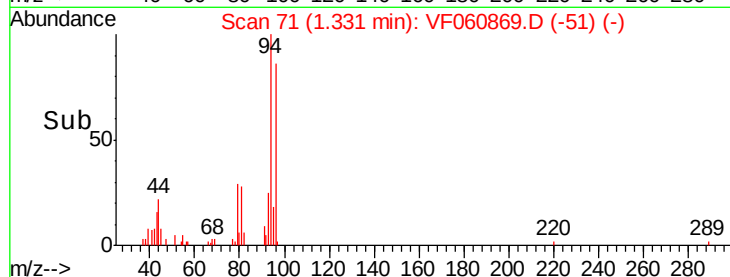
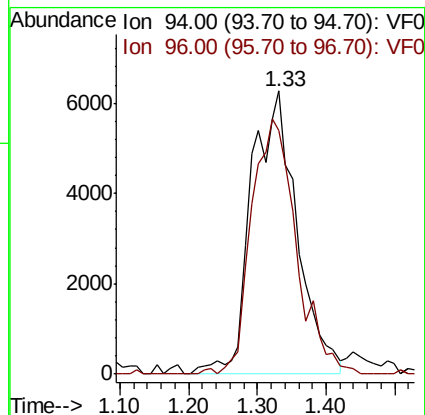
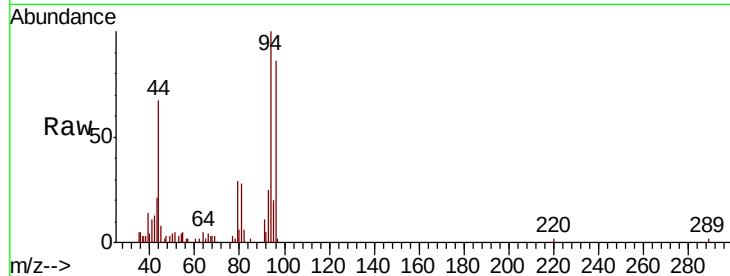
96 86.3 75.9 113.9

Manual Integrations

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#6

Chloroethane

Concen: 20.988 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.02 min

Lab File: VF060869.D

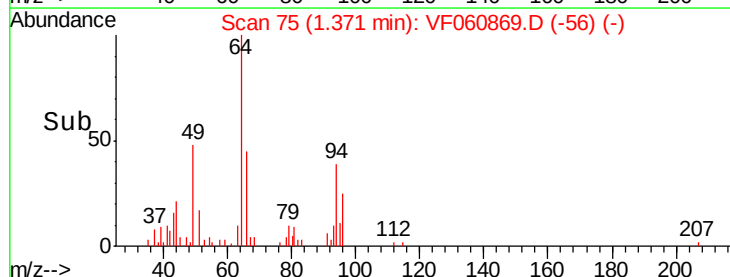
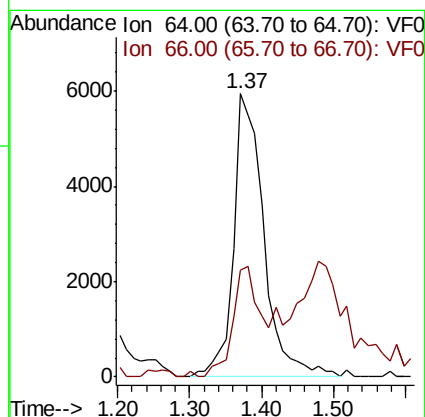
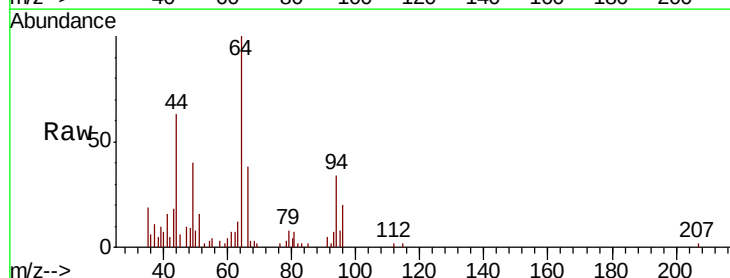
Acq: 29 Nov 2018 16:08

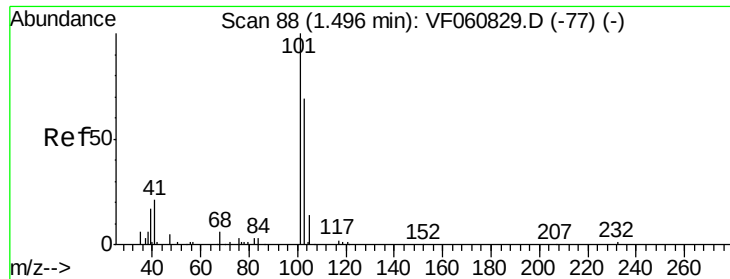
Tgt Ion: 64 Resp: 17497

Ion Ratio Lower Upper

64 100

66 37.7 28.1 42.1





#7

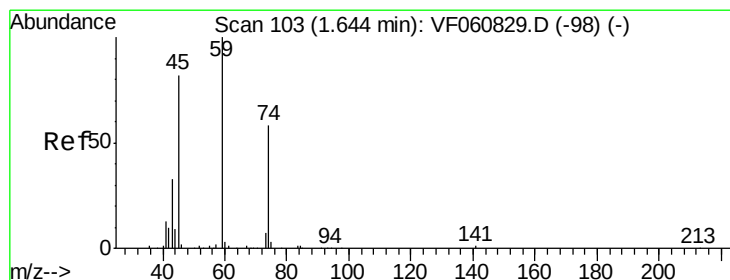
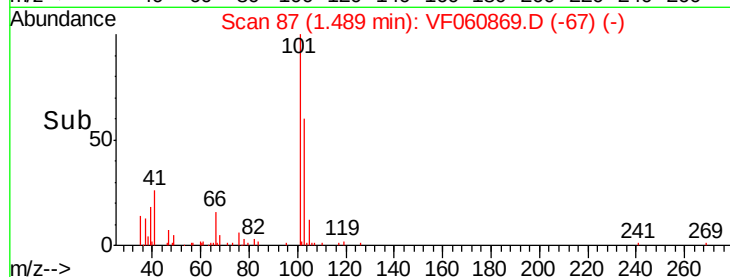
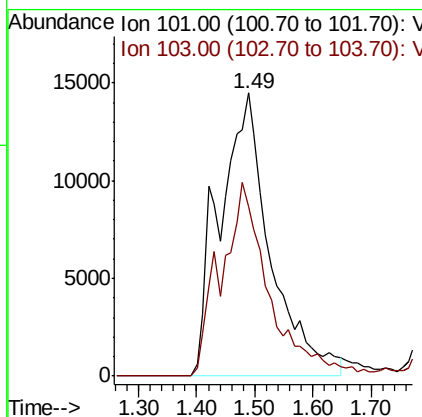
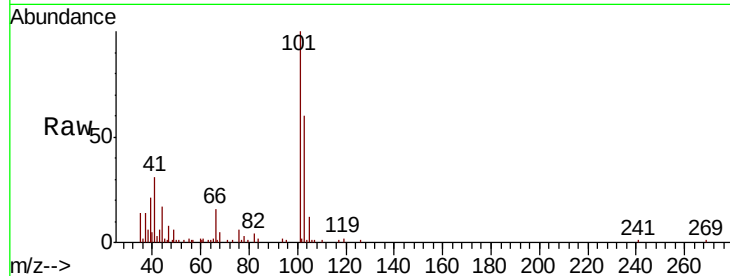
Trichlorofluoromethane
 Concen: 21.340 ug/l m
 RT: 1.49 min Scan# 87
 Delta R.T. -0.01 min
 Lab File: VF060869.D
 Acq: 29 Nov 2018 16:08

Instrument :
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 ClientSampleId :
 VF1129SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.9	55.4	83.0

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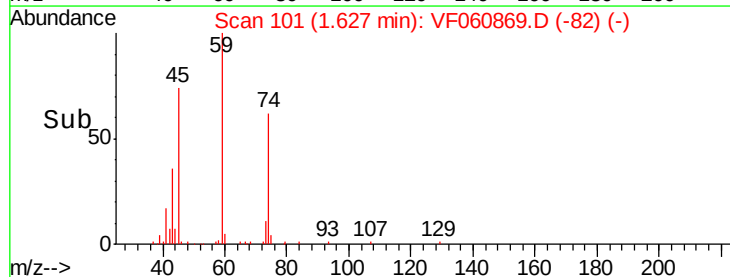
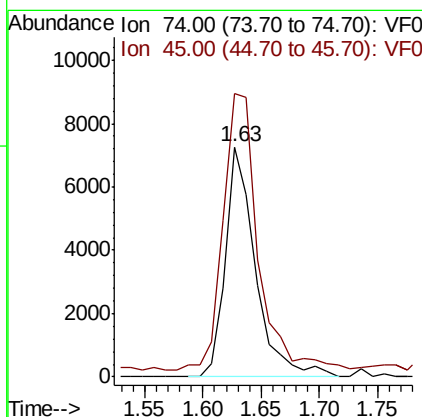
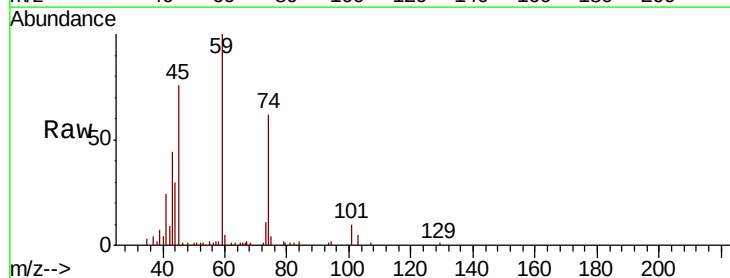
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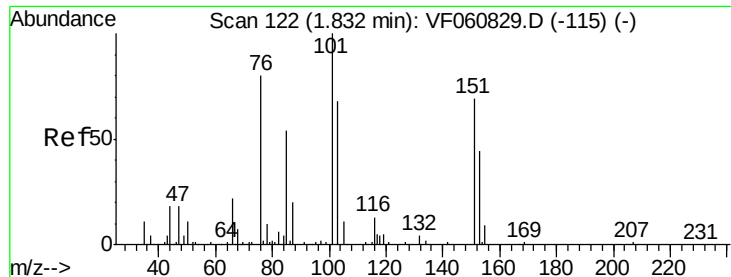


#8

Diethyl Ether
 Concen: 21.826 ug/l
 RT: 1.63 min Scan# 101
 Delta R.T. -0.02 min
 Lab File: VF060869.D
 Acq: 29 Nov 2018 16:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	123.0	71.0	212.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.800 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Instrument :

MSVOA_F

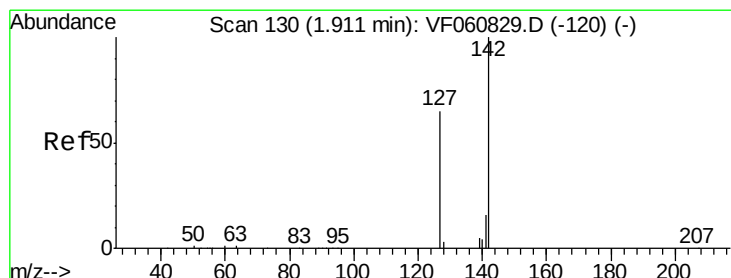
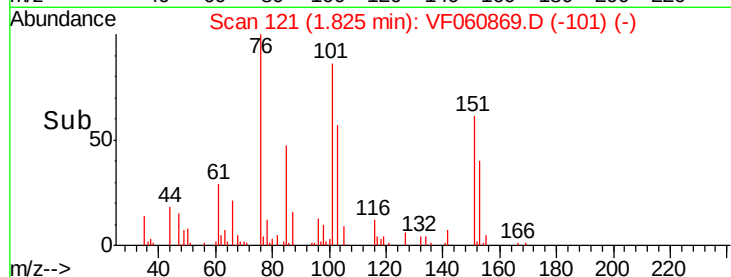
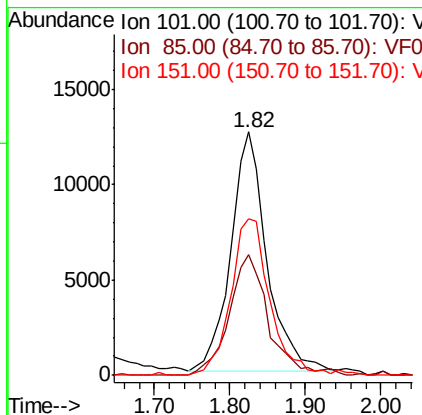
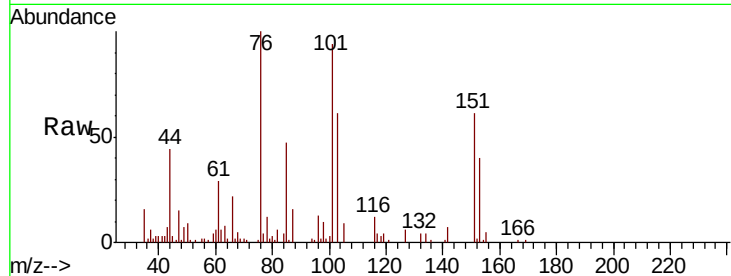
ClientSampleId :

VF1129SBS01

Tot Ion:	101	Resp:	41420
Ion Ratio	Lower	Upper	
101	100		
85	49.5	42.8	64.2
151	64.4	54.4	81.6

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#10

Methyl Iodide

Concen: 21.954 ug/l m

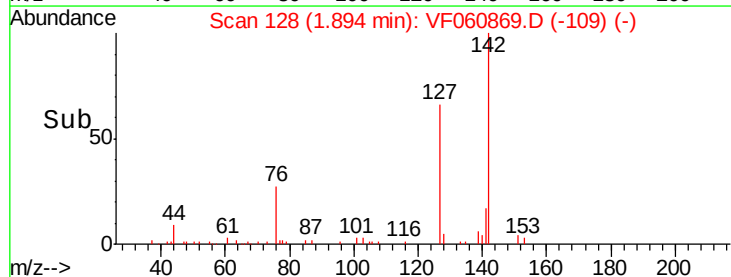
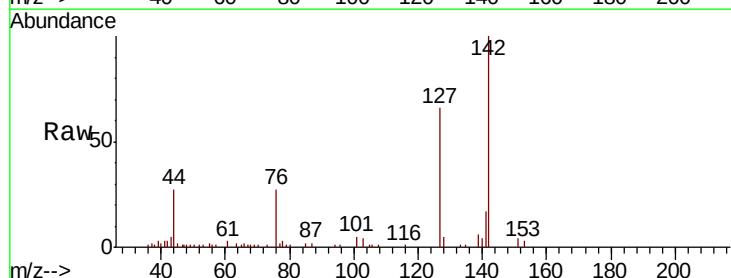
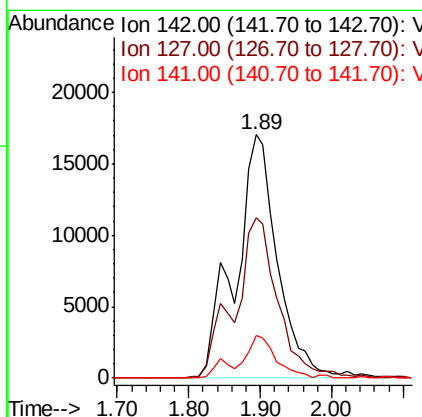
RT: 1.89 min Scan# 128

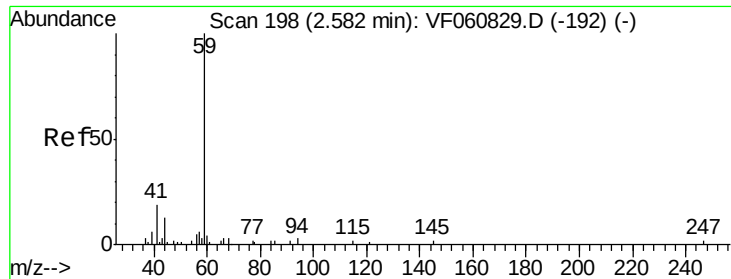
Delta R.T. -0.02 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Tgt Ion:	142	Resp:	69807
Ion Ratio	Lower	Upper	
142	100		
127	65.9	51.9	77.9
141	17.3	12.7	19.1





#11

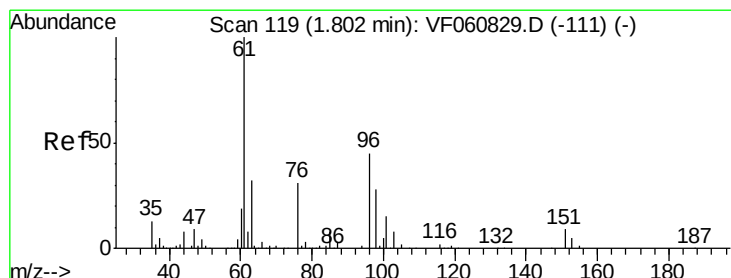
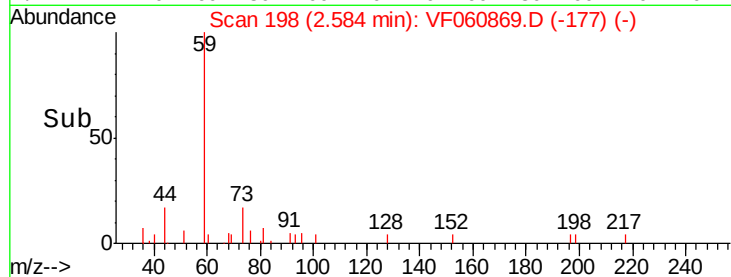
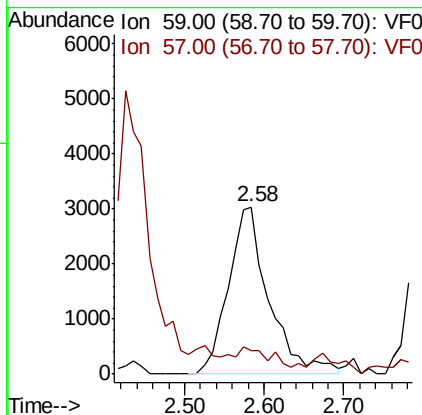
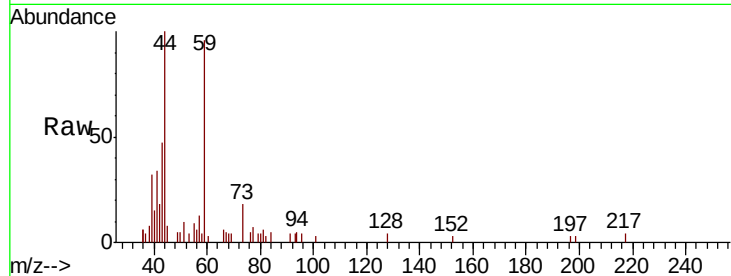
Tert butyl alcohol
Concen: 105.642 ug/l
RT: 2.58 min Scan# 198
Delta R.T. 0.00 min
Lab File: VF060869.D
Acq: 29 Nov 2018 16:08

Instrument :
MSVOA_F
ClientSampleId :
VF1129SBS01

Tot Ion	59	Resp	10841
Ion Ratio	59	100	
Lower	57	13.8	12.7
Upper			19.1

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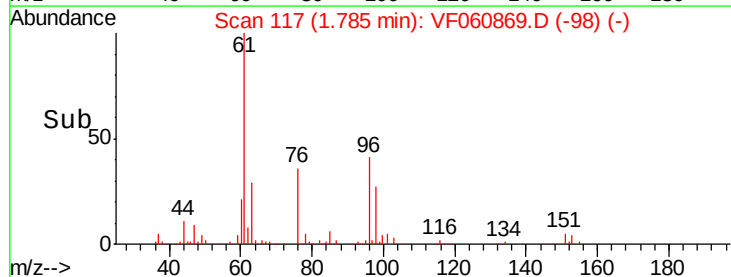
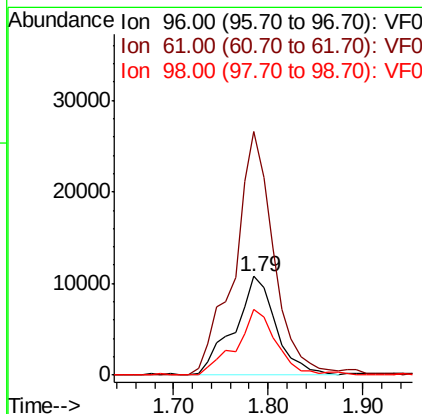
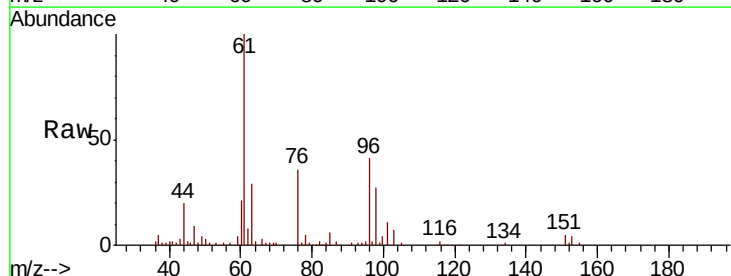
apatel
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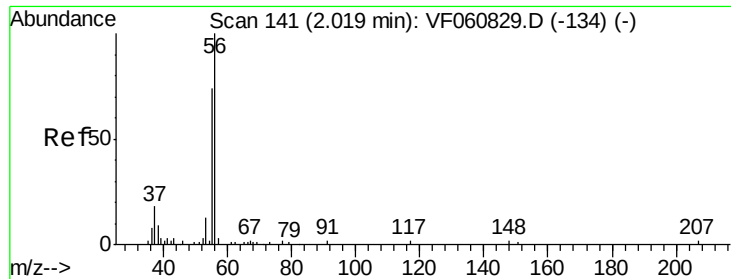


#12

1,1-Dichloroethene
Concen: 19.751 ug/l
RT: 1.79 min Scan# 117
Delta R.T. -0.02 min
Lab File: VF060869.D
Acq: 29 Nov 2018 16:08

Tgt Ion	96	Resp	33234
Ion Ratio	96	100	
Lower	61	246.4	177.3
Upper	98	66.6	49.6





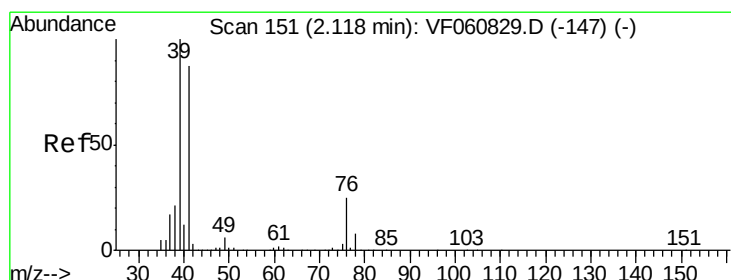
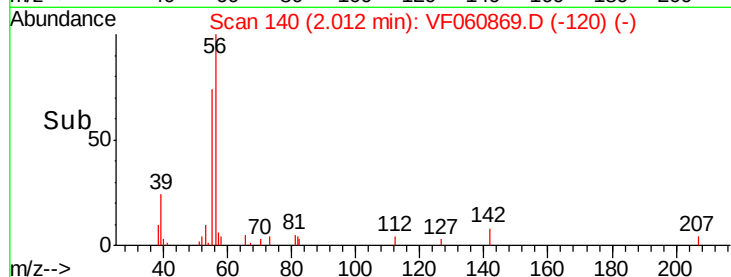
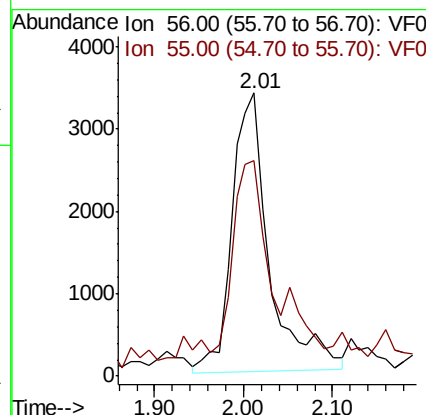
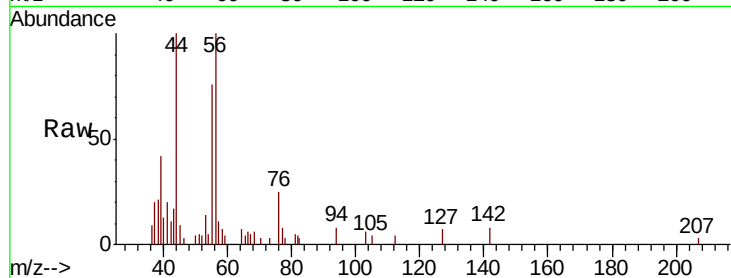
#13
Acrolein
Concen: 102.470 ug/l
RT: 2.01 min Scan# 140
Delta R.T. -0.01 min
Lab File: VF060869.D
Acq: 29 Nov 2018 16:08

Instrument :
MSVOA_F
ClientSampleId :
VF1129SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	76.1	61.2	91.8

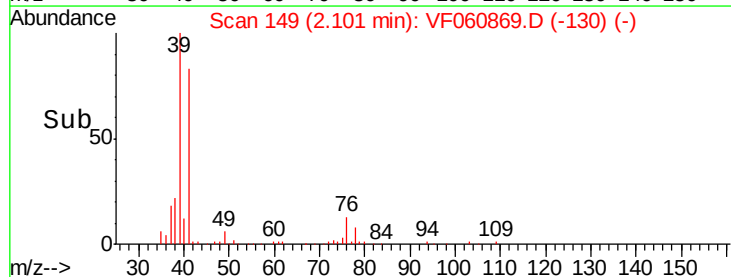
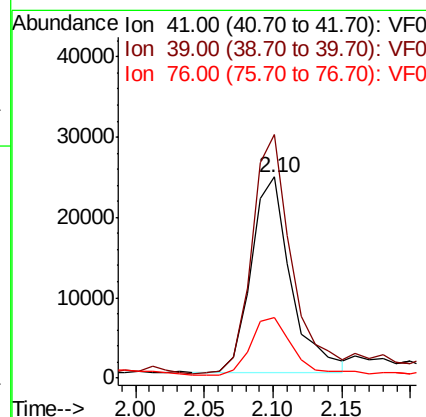
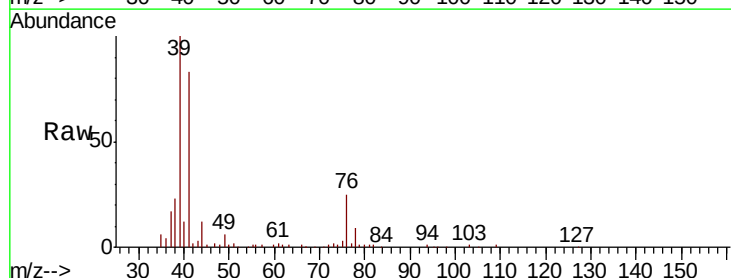
Manual Integrations
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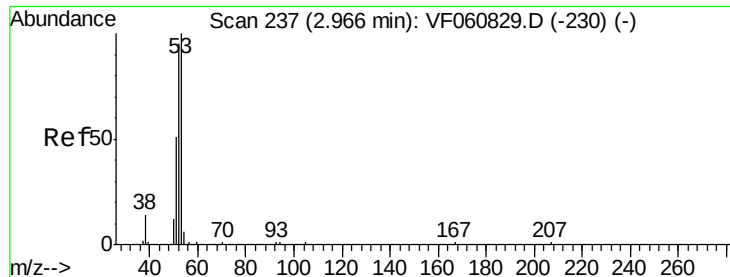
apatel
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#14
Allyl chloride
Concen: 23.477 ug/l
RT: 2.10 min Scan# 149
Delta R.T. -0.02 min
Lab File: VF060869.D
Acq: 29 Nov 2018 16:08

Tgt Ion	Ratio	Lower	Upper
41	100		
39	121.2	91.7	137.5
76	30.0	23.5	35.3





#15

Acrylonitrile

Concen: 106.900 ug/l

RT: 2.95 min Scan# 235

Delta R.T. -0.02 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Instrument :

MSVOA_F

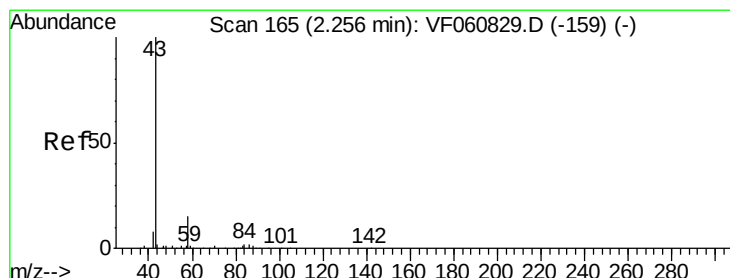
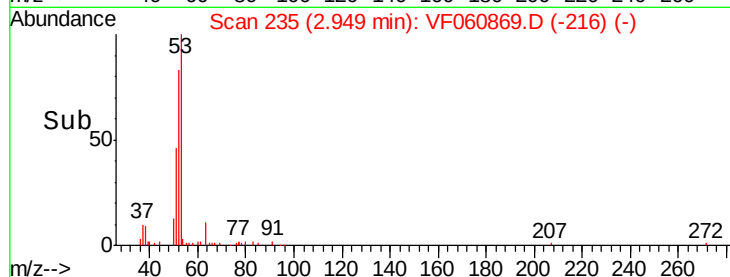
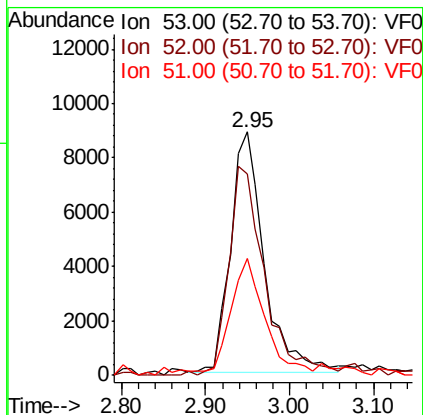
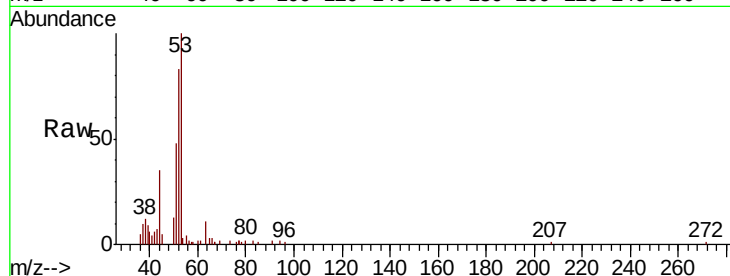
ClientSampleId :

VF1129SBS01

Tot Ion:	53	Resp:	24594
Ion	Ratio	Lower	Upper
53	100		
52	82.9	76.5	114.7
51	48.1	40.7	61.1

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#16

Acetone

Concen: 116.214 ug/l

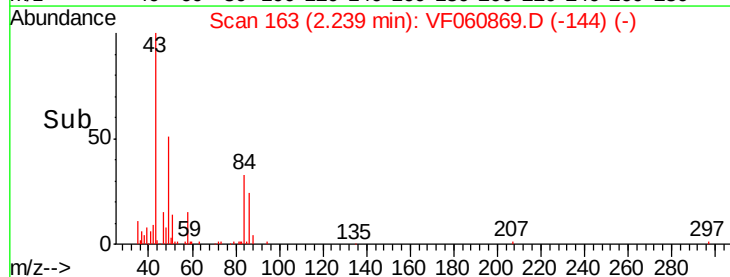
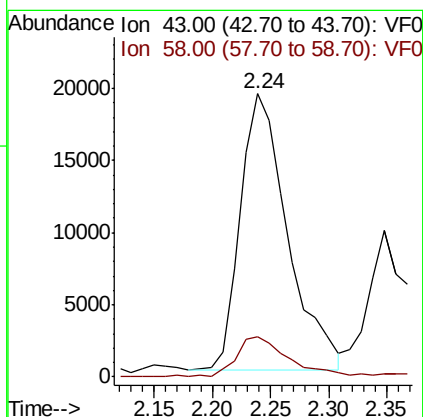
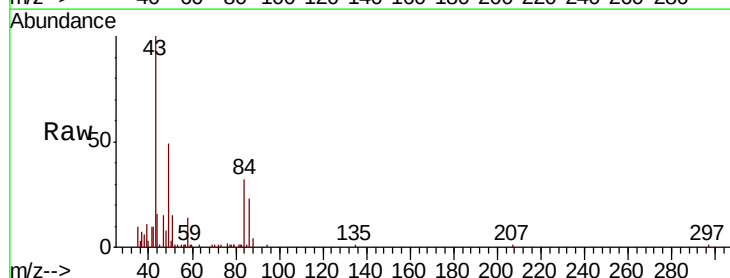
RT: 2.24 min Scan# 163

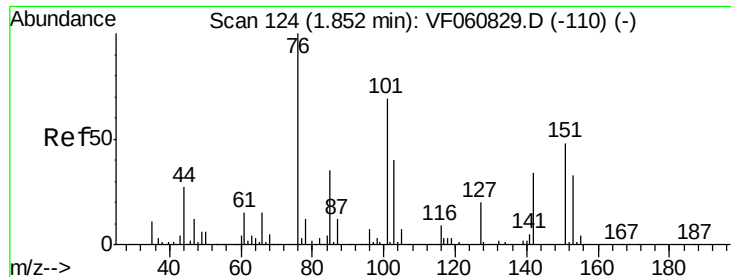
Delta R.T. -0.02 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Tgt Ion:	43	Resp:	53649
Ion	Ratio	Lower	Upper
43	100		
58	14.0	11.4	17.2





#17

Carbon Disulfide

Concen: 21.290 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.03 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Instrument :

MSVOA_F

ClientSampleId :

VF1129SBSD01

Tot Ion: 76 Resp: 96051

Ion Ratio Lower Upper

76 100

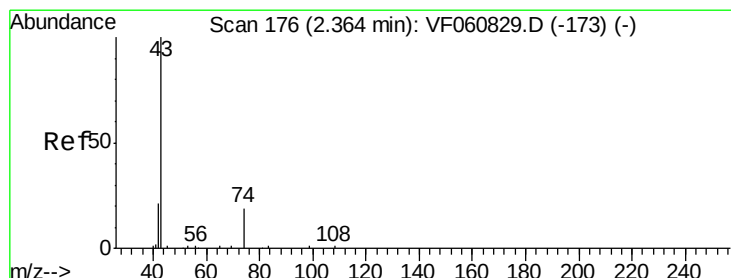
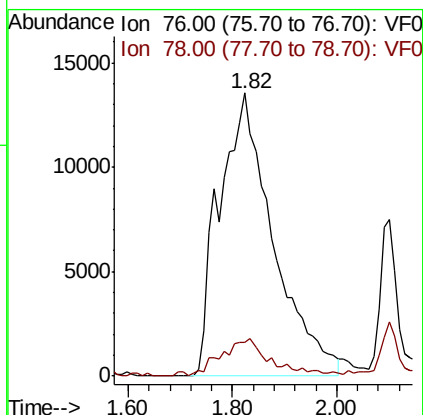
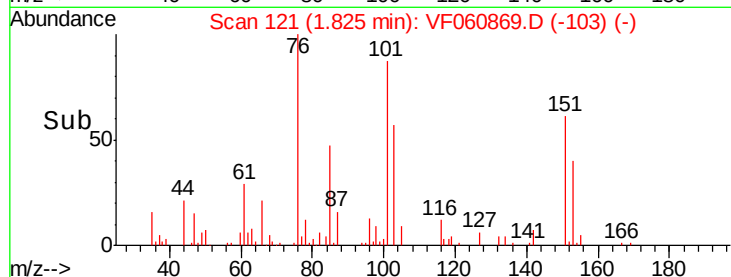
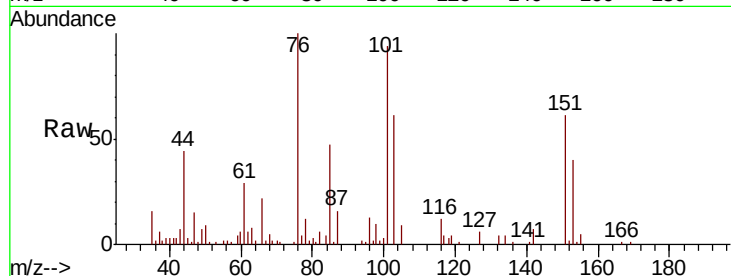
78 11.8 10.2 15.2

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#18

Methyl Acetate

Concen: 25.608 ug/l

RT: 2.35 min Scan# 174

Delta R.T. -0.02 min

Lab File: VF060869.D

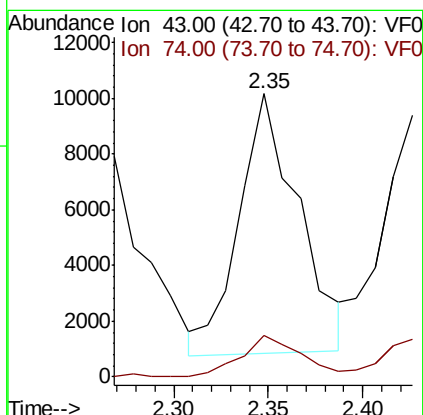
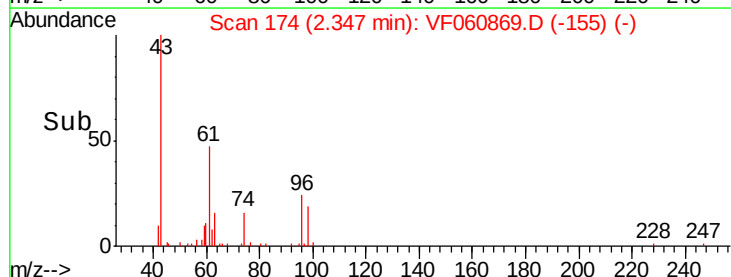
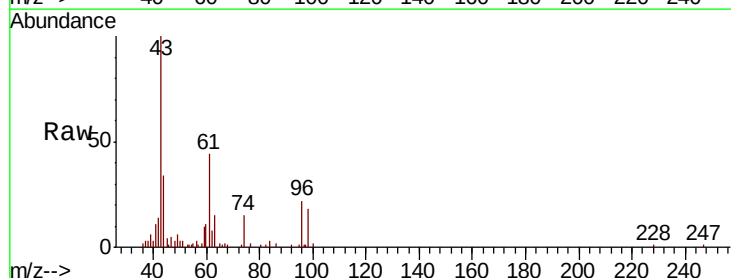
Acq: 29 Nov 2018 16:08

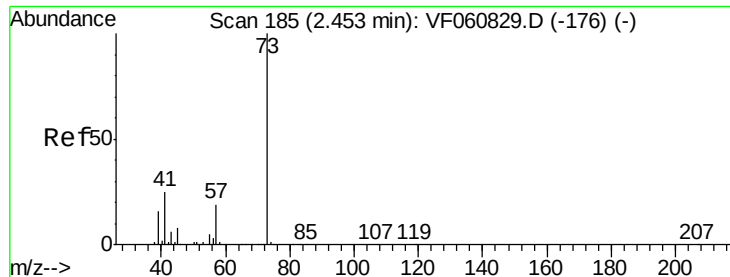
Tgt Ion: 43 Resp: 20457

Ion Ratio Lower Upper

43 100

74 14.8 13.3 19.9





#19

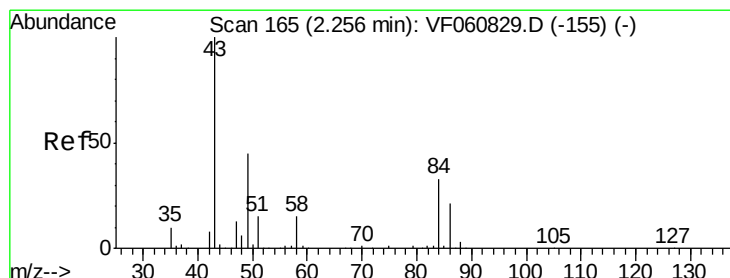
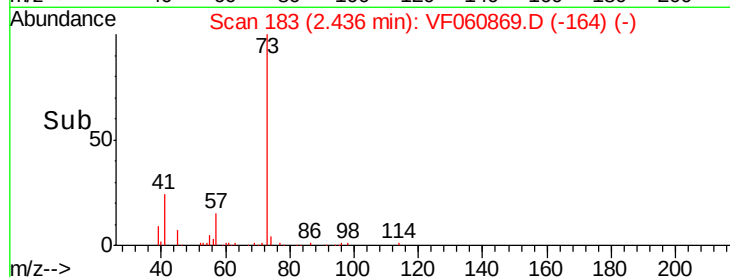
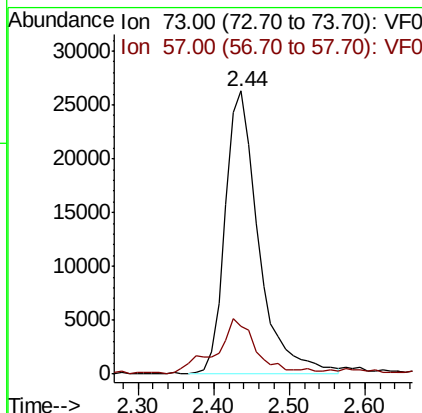
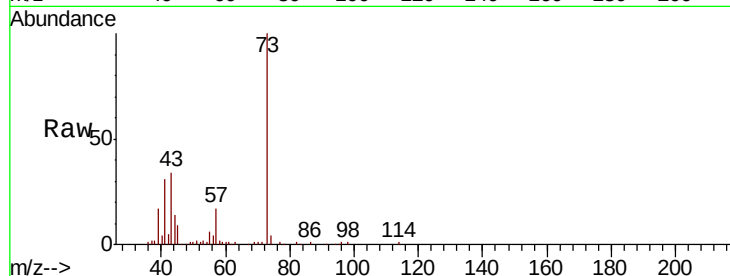
Methyl tert-butyl Ether
 Concen: 21.307 ug/l
 RT: 2.44 min Scan# 183
 Delta R.T. -0.02 min
 Lab File: VF060869.D
 Acq: 29 Nov 2018 16:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1129SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.7	15.3	22.9

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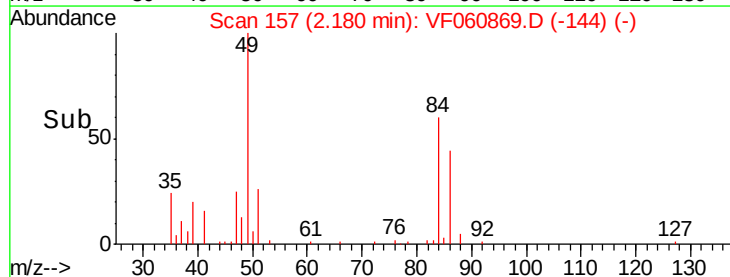
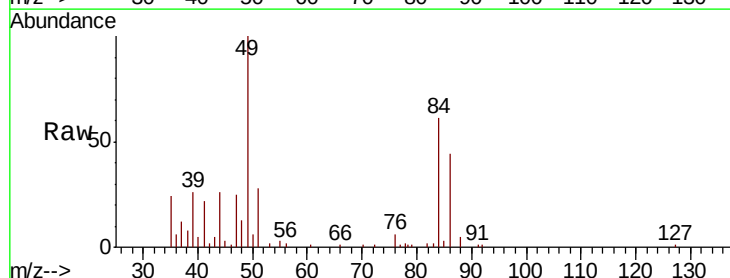
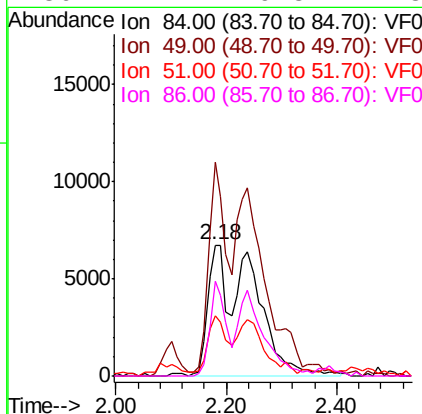
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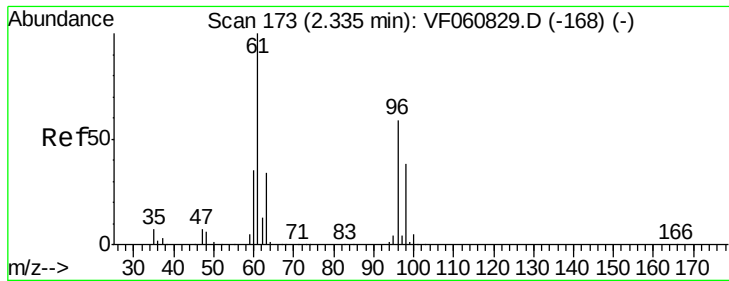


#20

Methylene Chloride
 Concen: 22.538 ug/l m
 RT: 2.18 min Scan# 157
 Delta R.T. -0.08 min
 Lab File: VF060869.D
 Acq: 29 Nov 2018 16:08

Tgt Ion	Ratio	Lower	Upper
84	100		
49	163.4	111.3	166.9
51	45.5	38.0	57.0
86	72.7	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 22.625 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.03 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Instrument :

MSVOA_F

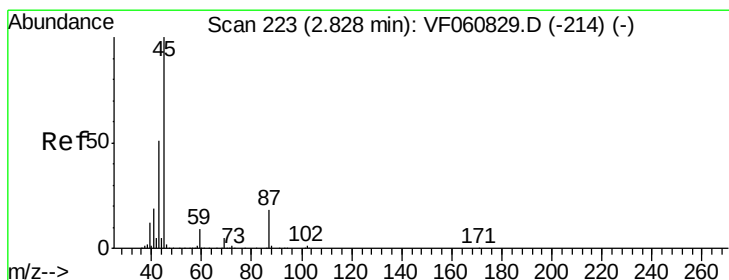
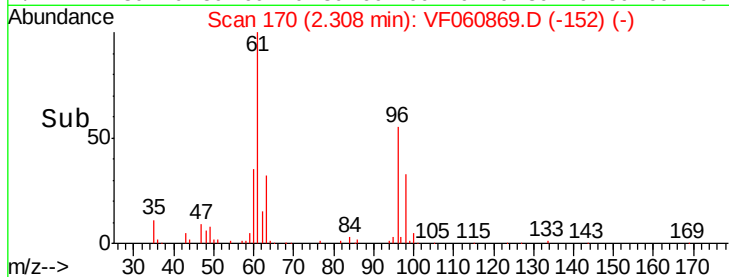
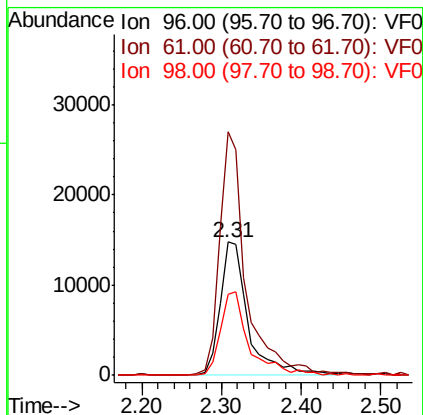
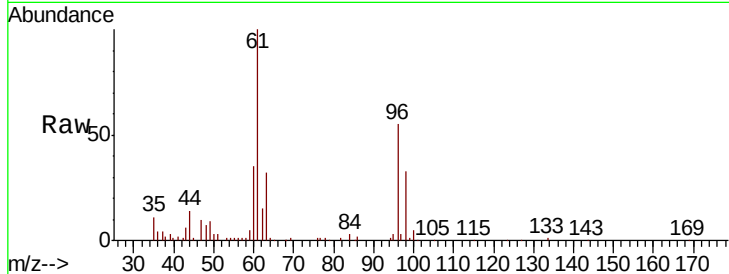
ClientSampleId :

VF1129SBS01

Tot Ion:	96	Resp:	36702
Ion	Ratio	Lower	Upper
96	100		
61	182.9	134.5	201.7
98	61.2	51.6	77.4

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#22

Diisopropyl ether

Concen: 21.551 ug/l

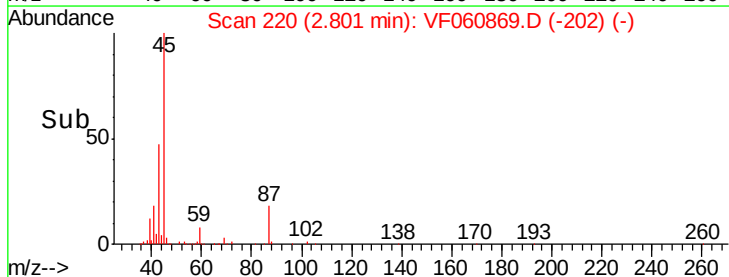
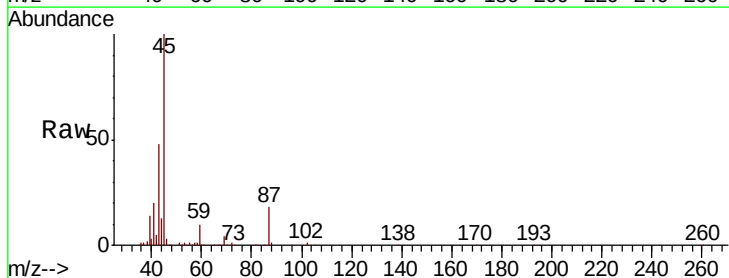
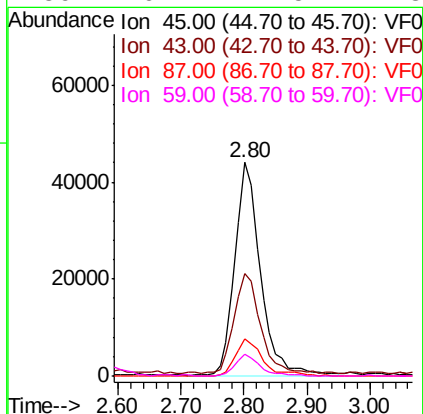
RT: 2.80 min Scan# 220

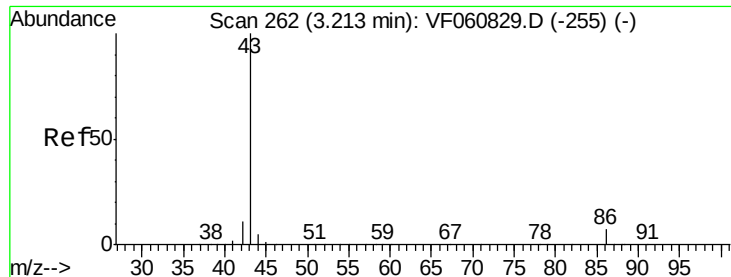
Delta R.T. -0.03 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Tgt Ion:	45	Resp:	123028
Ion	Ratio	Lower	Upper
45	100		
43	48.2	41.0	61.6
87	17.6	14.6	22.0
59	10.1	7.5	11.3





#23

Vinyl Acetate

Concen: 113.490 ug/l

RT: 3.20 min Scan# 260

Delta R.T. -0.02 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Instrument :

MSVOA_F

ClientSampleId :

VF1129SBS01

Tot Ion: 43 Resp: 296152

Ion Ratio Lower Upper

43 100

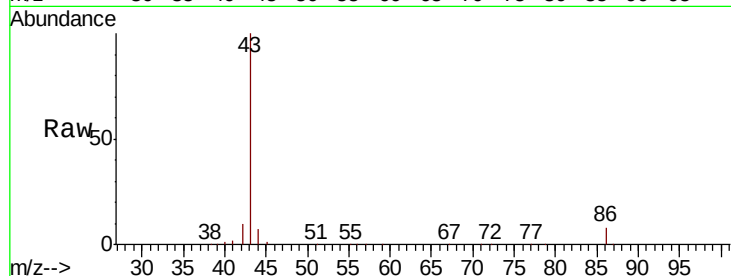
86 7.8 5.4 8.0

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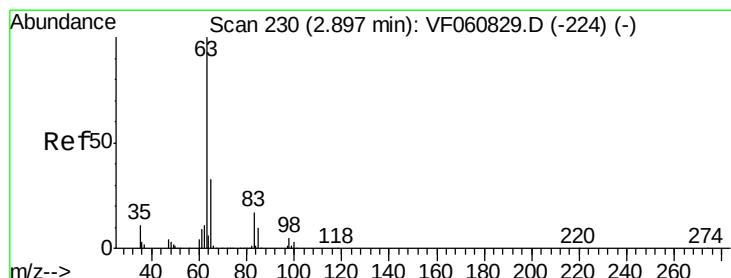
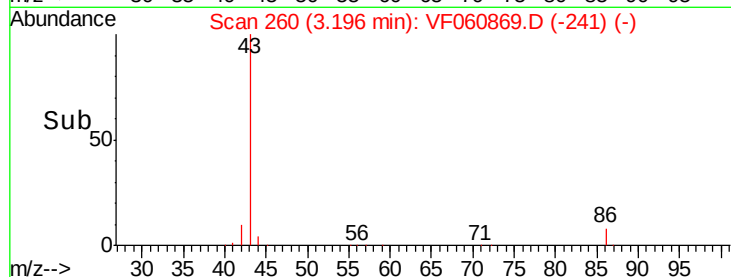
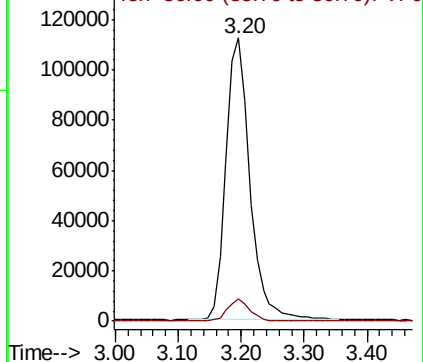
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 22.655 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.03 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

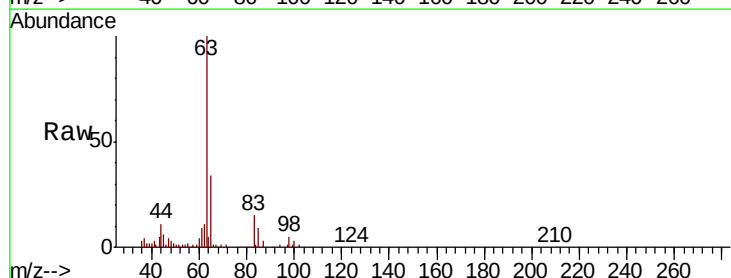
Tgt Ion: 63 Resp: 76945

Ion Ratio Lower Upper

63 100

98 5.1 2.7 8.1

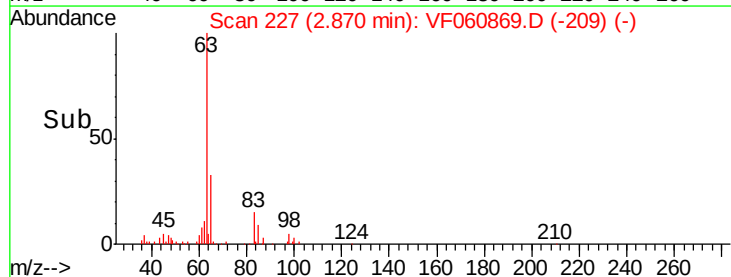
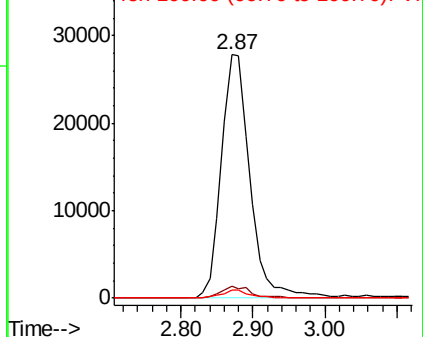
100 3.2 1.5 4.5

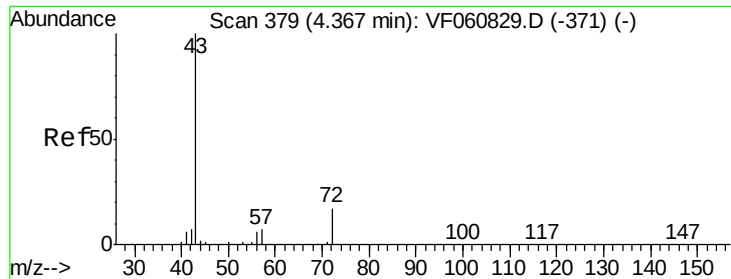


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 111.941 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.03 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Instrument :

MSVOA_F

ClientSampleId :

VF1129SBS01

Tot Ion: 43 Resp: 89382

Ion Ratio Lower Upper

43 100

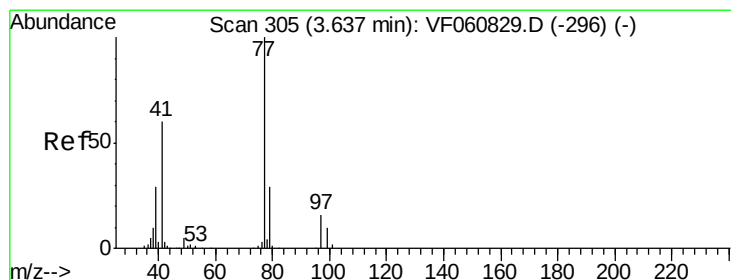
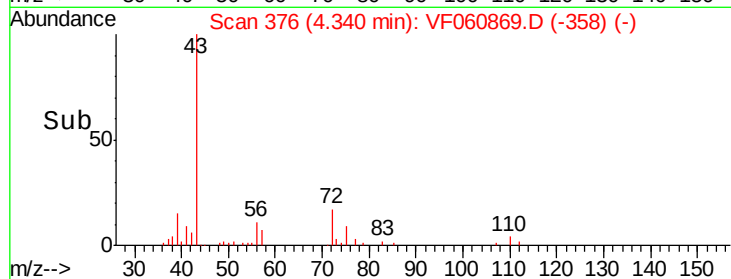
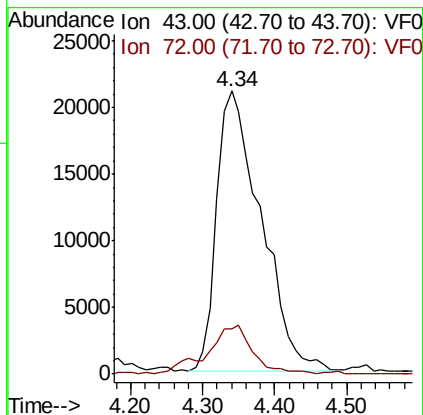
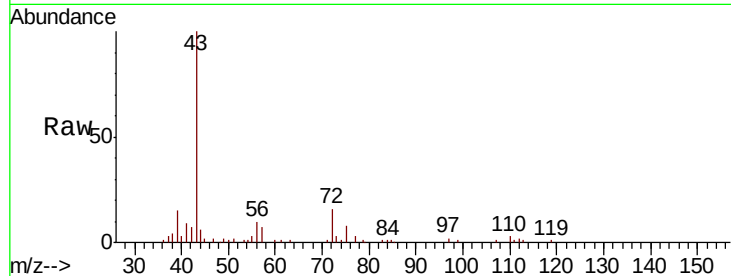
72 16.2 15.4 23.2

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#26

2,2-Dichloropropane

Concen: 22.537 ug/l

RT: 3.61 min Scan# 302

Delta R.T. -0.03 min

Lab File: VF060869.D

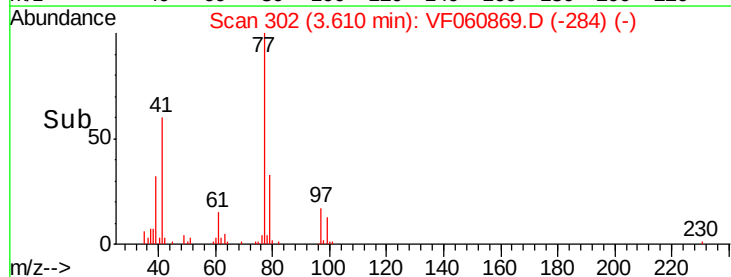
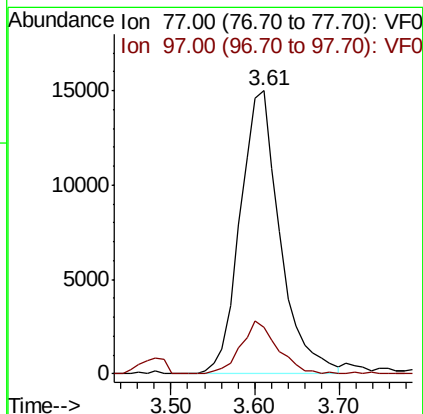
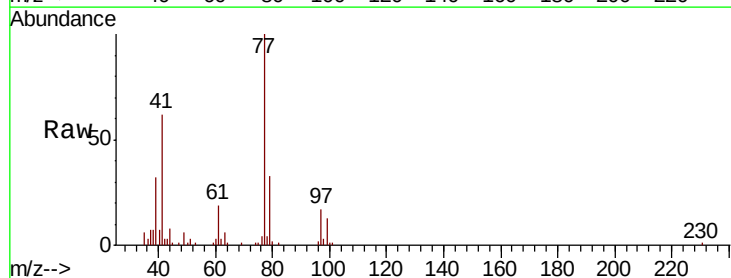
Acq: 29 Nov 2018 16:08

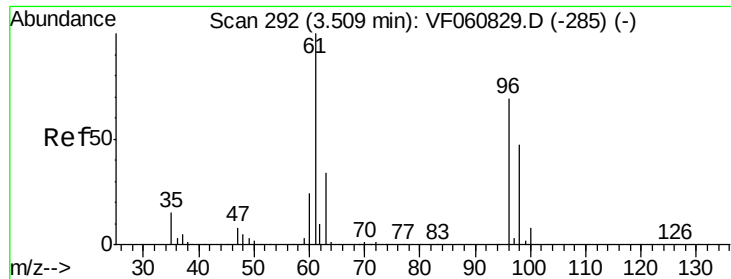
Tgt Ion: 77 Resp: 49626

Ion Ratio Lower Upper

77 100

97 16.6 8.6 25.8





#27

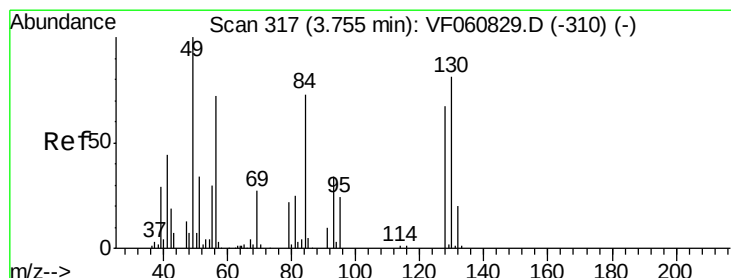
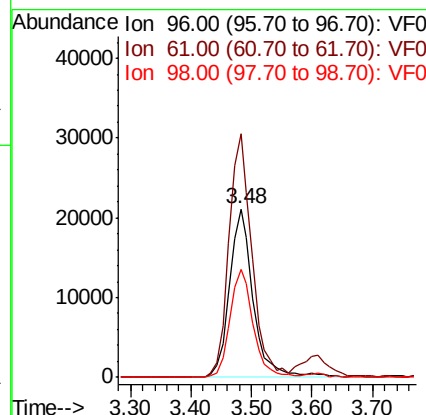
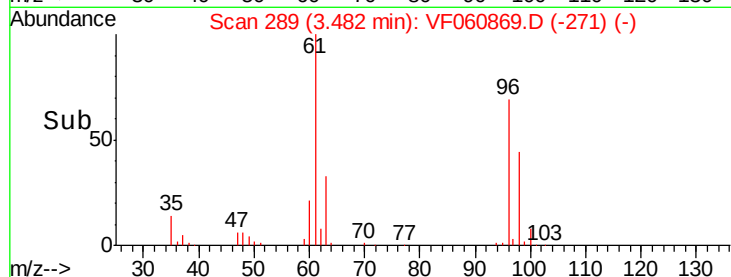
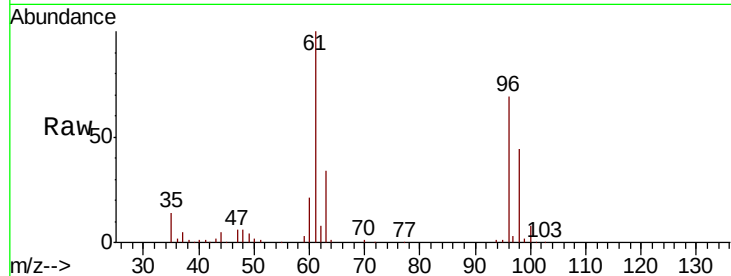
cis-1,2-Dichloroethene
Concen: 21.789 ug/l
RT: 3.48 min Scan# 289
Delta R.T. -0.03 min
Lab File: VF060869.D
Acq: 29 Nov 2018 16:08

Instrument :
MSVOA_F
ClientSampleId :
VF1129SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.6	0.0	290.6
98	63.7	0.0	137.8

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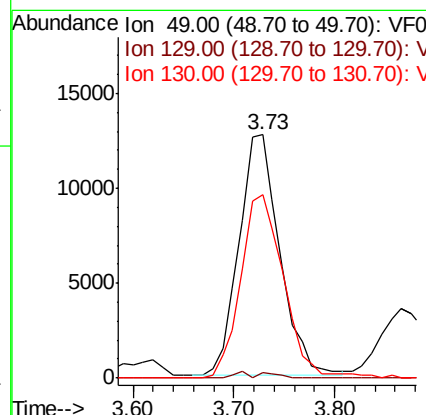
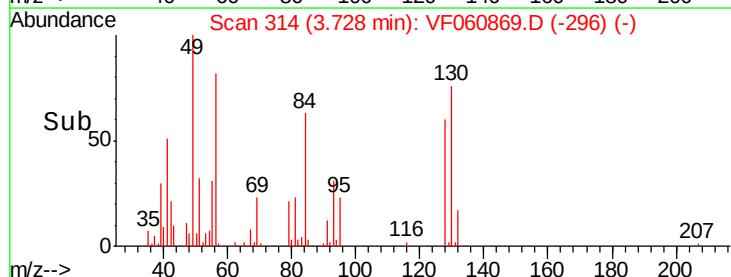
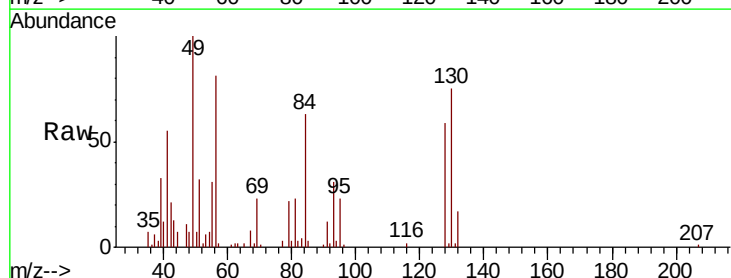
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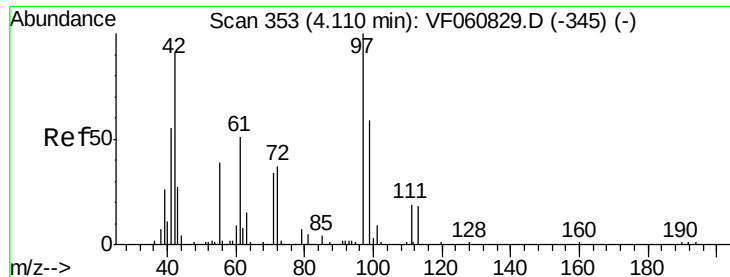


#28

Bromochloromethane
Concen: 22.060 ug/l
RT: 3.73 min Scan# 314
Delta R.T. -0.03 min
Lab File: VF060869.D
Acq: 29 Nov 2018 16:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	75.1	64.2	96.4





#29

Tetrahydrofuran

Concen: 110.639 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.03 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Instrument :

MSVOA_F

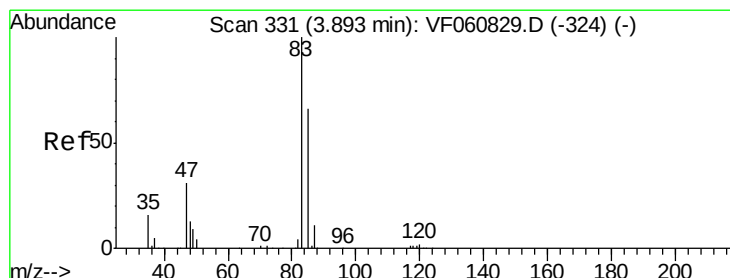
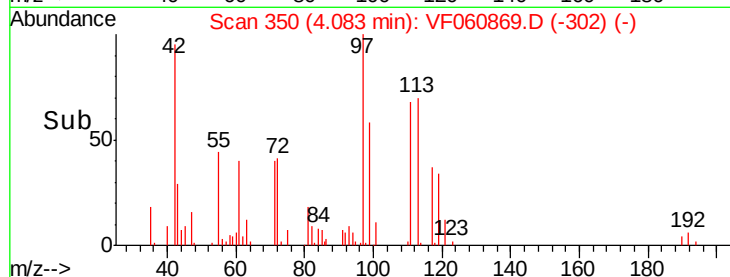
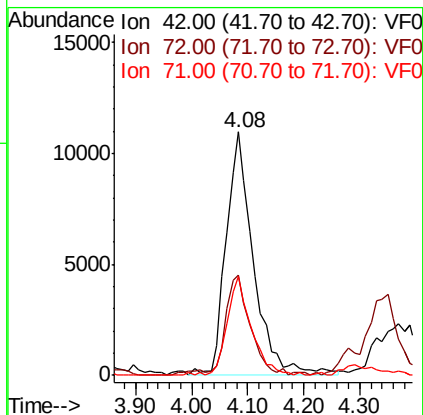
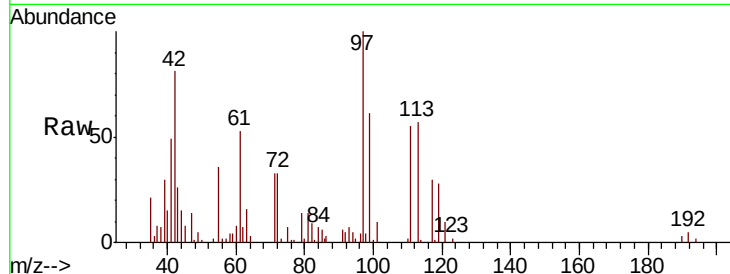
ClientSampleId :

VF1129SBS01

Tot Ion:	42	Resp:	37447
Ion	Ratio	Lower	Upper
42	100		
72	36.8	31.9	47.9
71	35.6	28.7	43.1

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#30

Chloroform

Concen: 21.612 ug/l

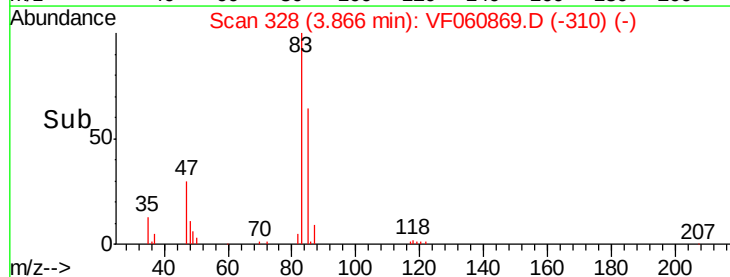
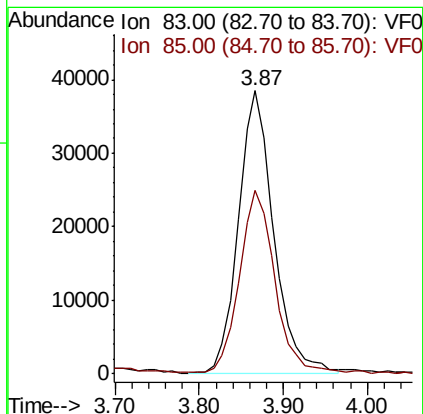
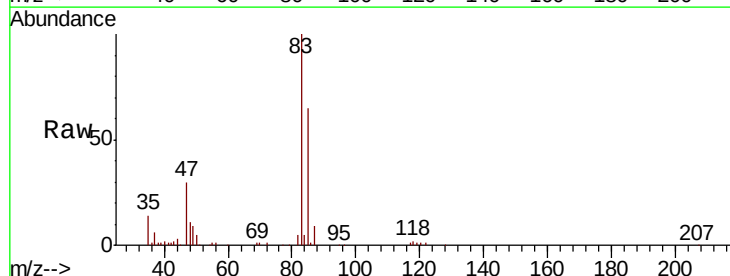
RT: 3.87 min Scan# 328

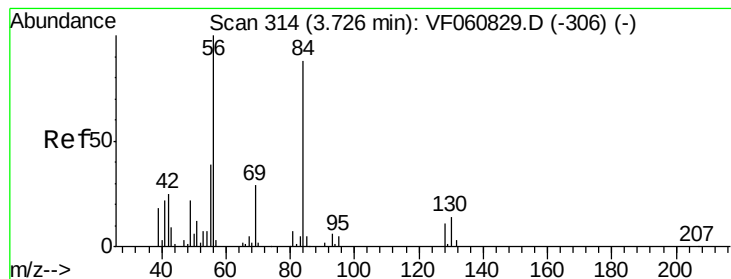
Delta R.T. -0.03 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Tgt Ion:	83	Resp:	112974
Ion	Ratio	Lower	Upper
83	100		
85	64.7	53.4	80.2





#31

Cyclohexane

Concen: 22.328 ug/l

RT: 3.71 min Scan# 312

Delta R.T. -0.02 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Instrument :

MSVOA_F

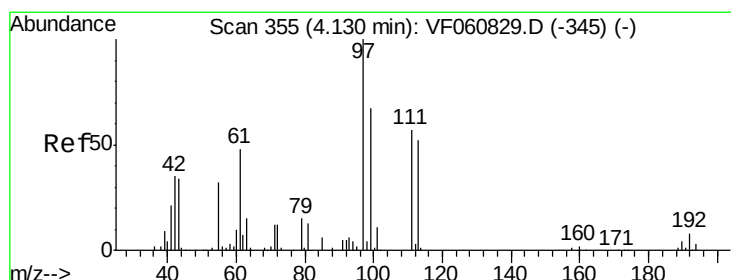
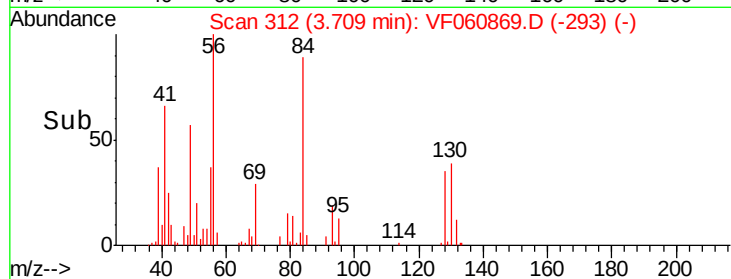
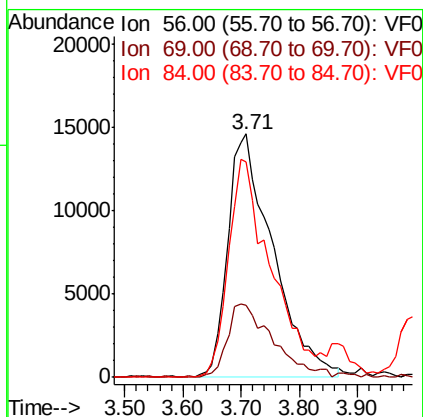
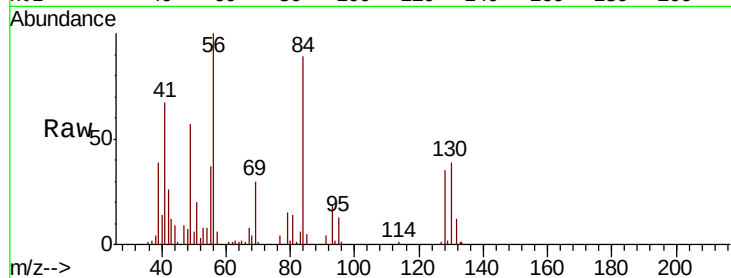
ClientSampleId :

VF1129SBS01

Tot Ion:	56	Resp:	78703
Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.0	34.4
84	88.5	70.4	105.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 22.045 ug/l

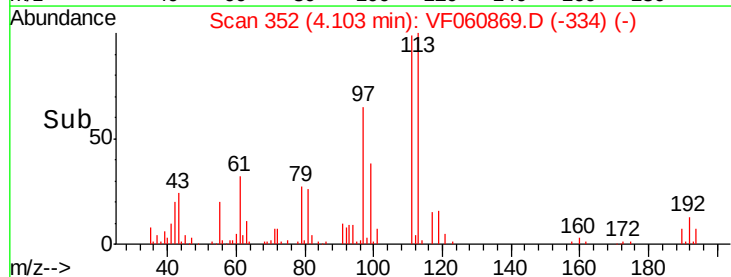
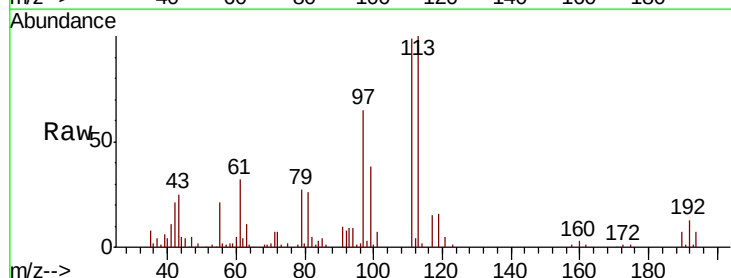
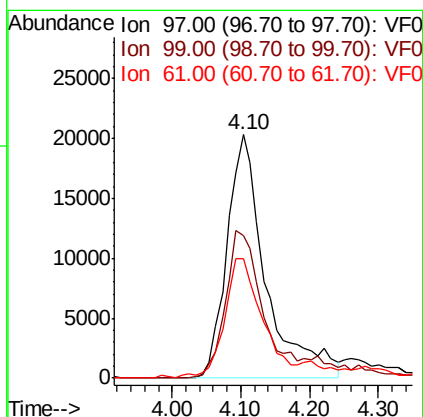
RT: 4.10 min Scan# 352

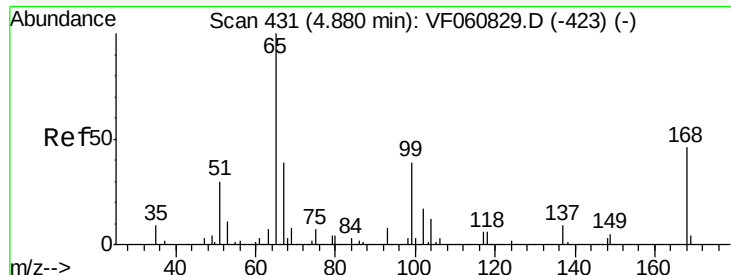
Delta R.T. -0.03 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Tgt Ion:	97	Resp:	79918
Ion	Ratio	Lower	Upper
97	100		
99	58.7	53.5	80.3
61	49.2	38.6	58.0





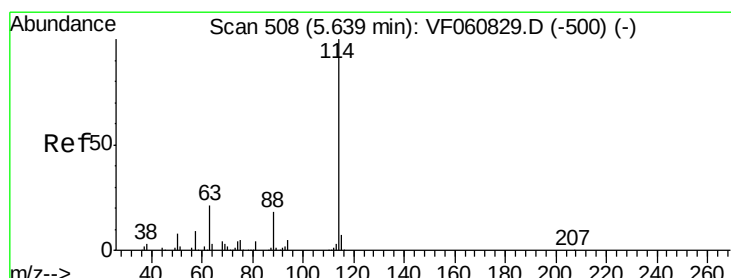
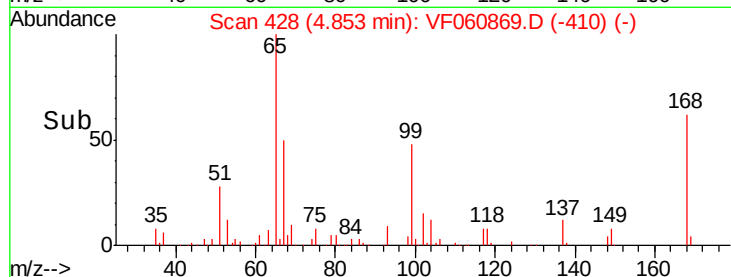
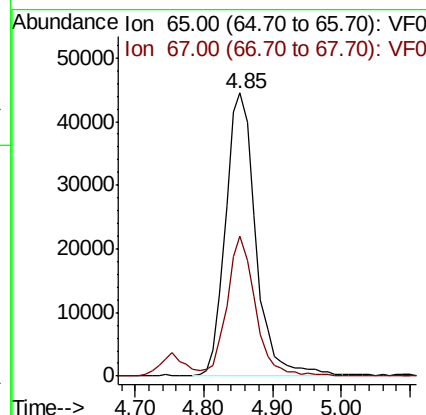
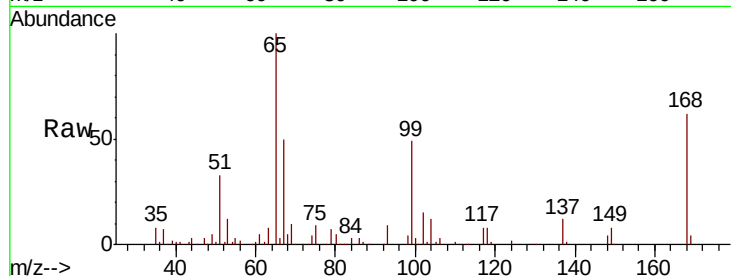
#33
 1,2-Dichloroethane-d4
 Concen: 54.131 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. -0.03 min
 Lab File: VF060869.D
 Acq: 29 Nov 2018 16:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1129SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	135510		
67	49.5	0.0	96.4	

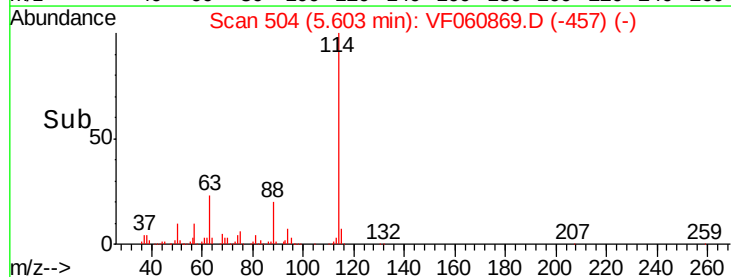
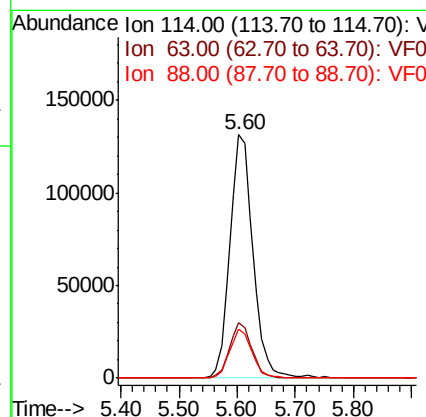
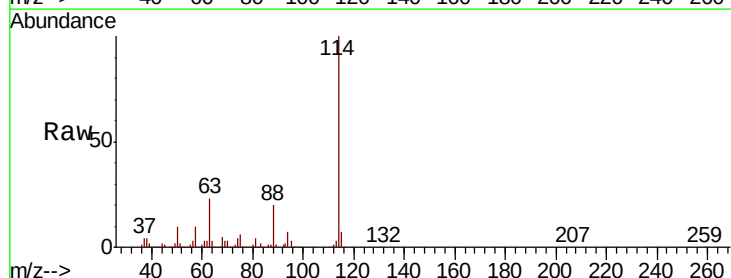
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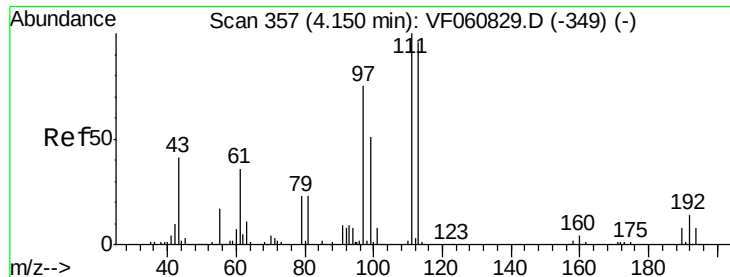
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.04 min
 Lab File: VF060869.D
 Acq: 29 Nov 2018 16:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	362315		
63	22.6	0.0	41.6	
88	20.2	0.0	36.6	





#35

Dibromofluoromethane

Concen: 48.335 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.04 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Instrument :

MSVOA_F

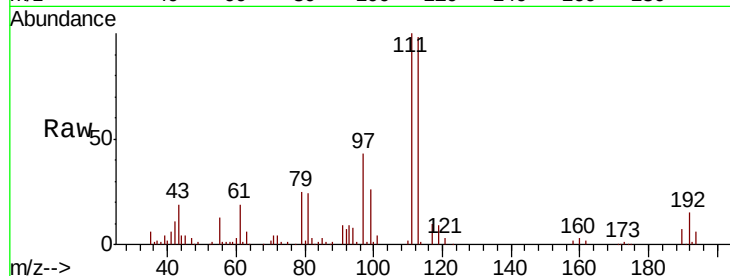
ClientSampleId :

VF1129SBS01

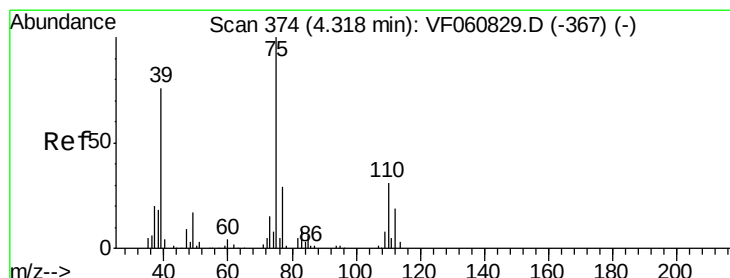
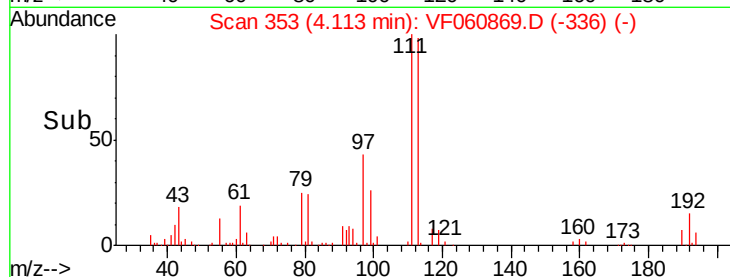
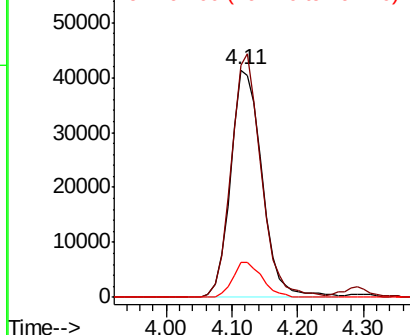
Tot Ion:	113	Resp:	138930
Ion Ratio	Lower	Upper	
113	100		
111	102.1	83.0	124.6
192	15.6	12.3	18.5

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Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 20.023 ug/l

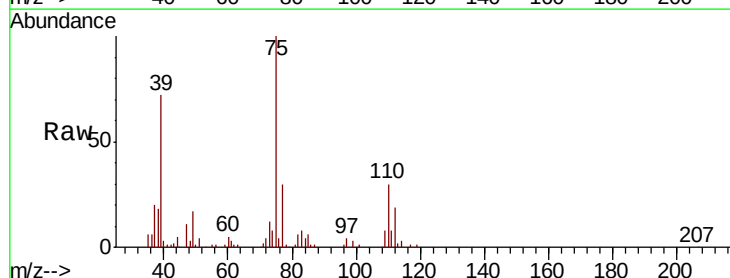
RT: 4.29 min Scan# 371

Delta R.T. -0.03 min

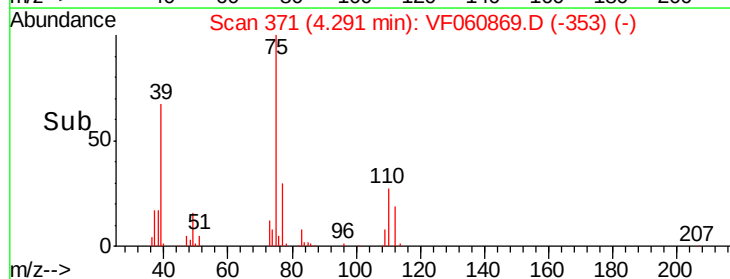
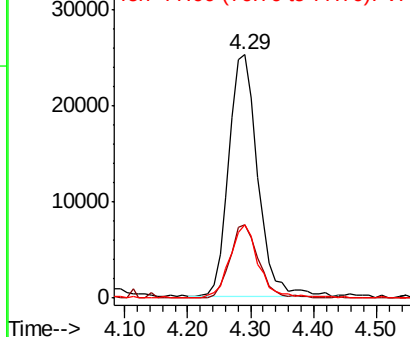
Lab File: VF060869.D

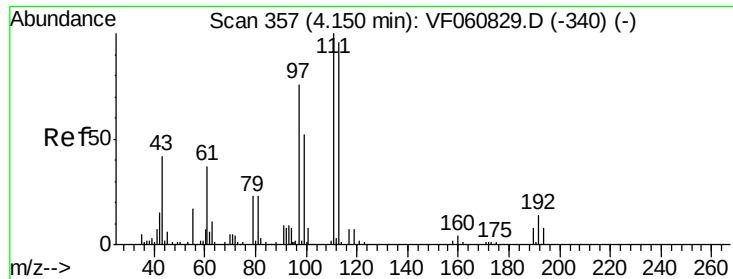
Acq: 29 Nov 2018 16:08

Tgt Ion:	75	Resp:	80466
Ion Ratio	Lower	Upper	
75	100		
110	30.2	15.6	46.8
77	30.0	23.4	35.0



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 110.00 (109.70 to 110.70): V
Ion 77.00 (76.70 to 77.70): VF0





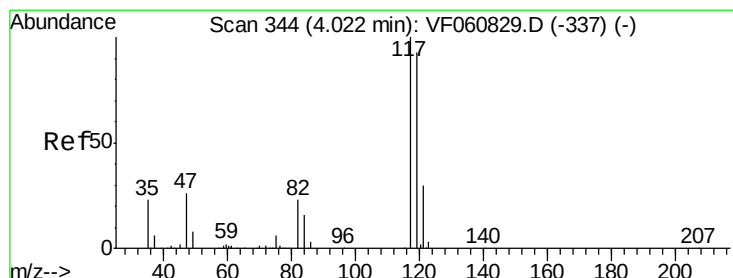
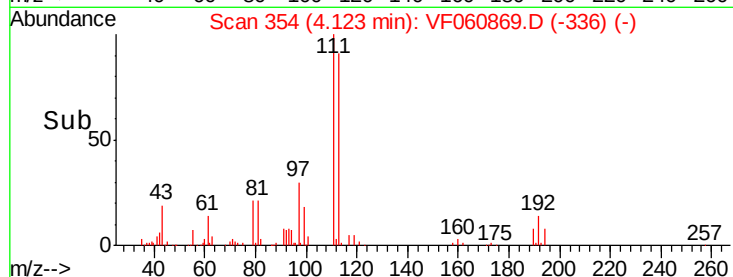
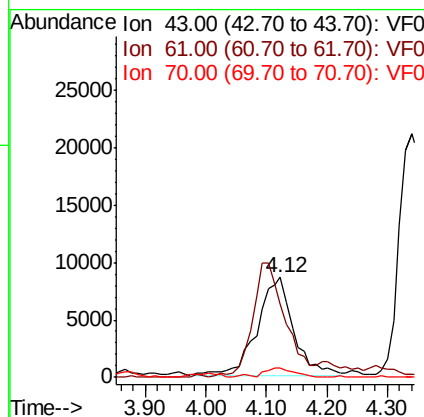
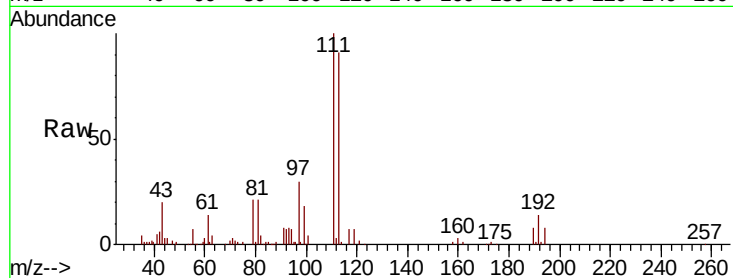
#37
Ethyl Acetate
Concen: 21.495 ug/l
RT: 4.12 min Scan# 354
Delta R.T. -0.03 min
Lab File: VF060869.D
Acq: 29 Nov 2018 16:08

Instrument :
MSVOA_F
ClientSampleId :
VF1129SBS01

Tot Ion	43	61	70	Ratio	Lower	Upper
35103	100	73.2	9.2			
		68.6	9.0			
		103.0	13.4			

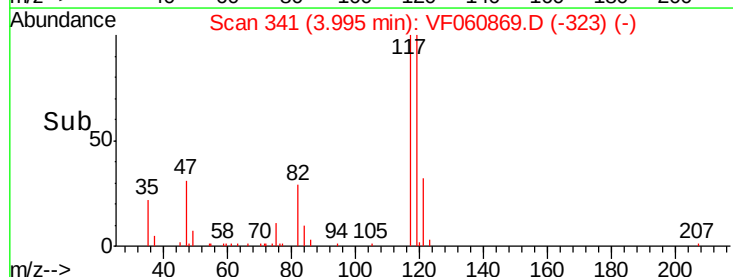
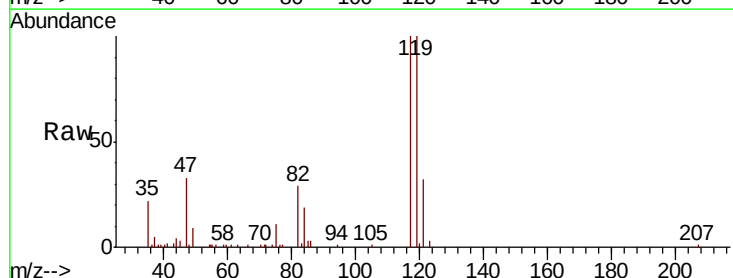
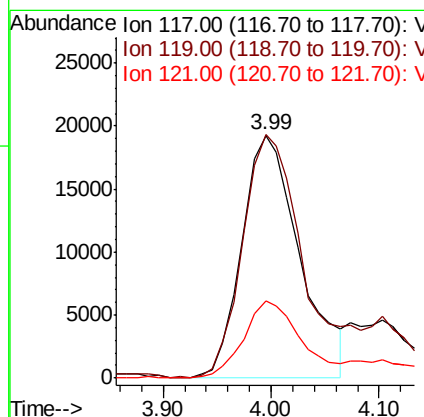
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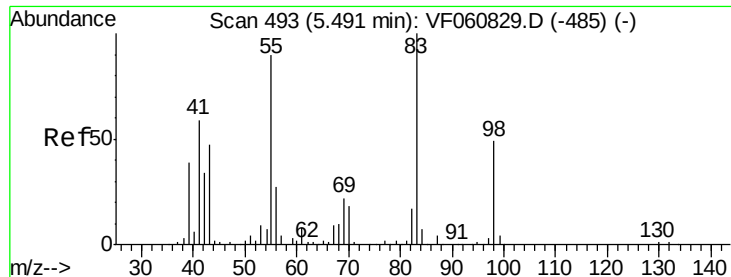
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#38
Carbon Tetrachloride
Concen: 20.274 ug/l
RT: 3.99 min Scan# 341
Delta R.T. -0.03 min
Lab File: VF060869.D
Acq: 29 Nov 2018 16:08

Tgt Ion	117	119	121	Ratio	Lower	Upper
71962	100	100.4	31.6			
		74.4	23.5			
		111.6	35.3			





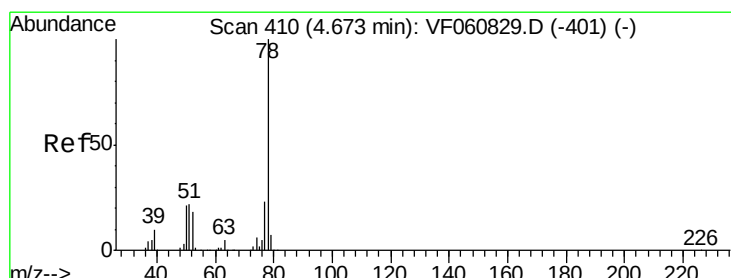
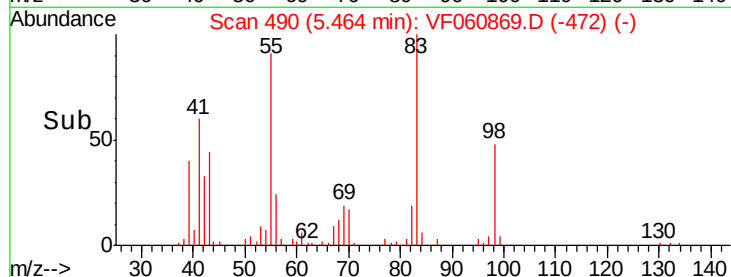
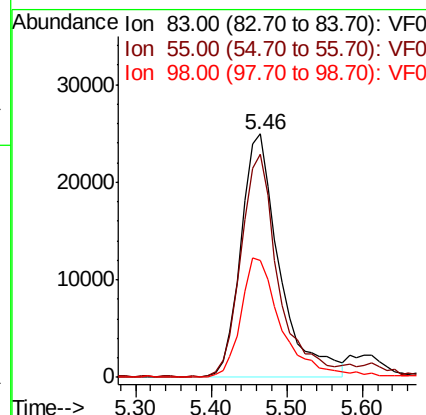
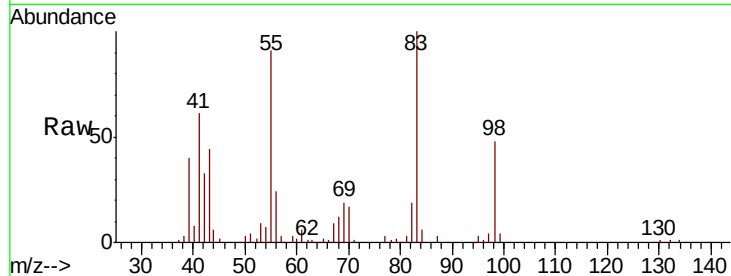
#39
Methylvlcyclohexane
Concen: 21.021 ug/l
RT: 5.46 min Scan# 490
Delta R.T. -0.03 min
Lab File: VF060869.D
Acq: 29 Nov 2018 16:08

Instrument :
MSVOA_F
ClientSampleId :
VF1129SBS01

Tot Ion	83	Resp	88529
Ion Ratio	Lower	Upper	
83	100		
55	91.4	72.1	108.1
98	47.9	39.1	58.7

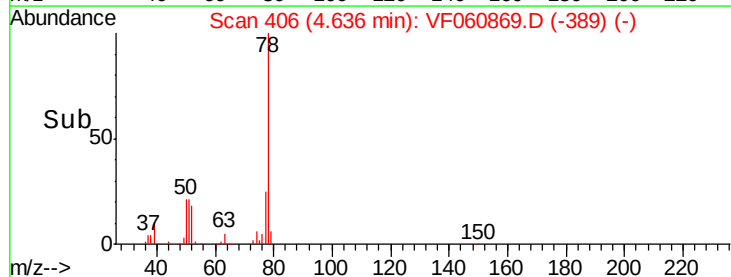
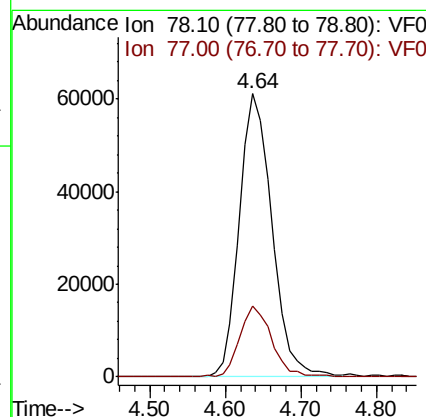
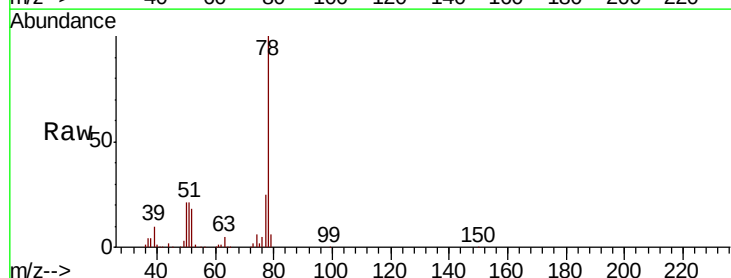
Manual Integrations
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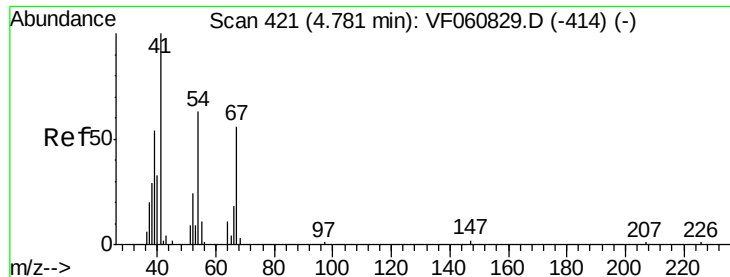
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#40
Benzene
Concen: 20.630 ug/l
RT: 4.64 min Scan# 406
Delta R.T. -0.04 min
Lab File: VF060869.D
Acq: 29 Nov 2018 16:08

Tgt Ion	78	Resp	183152
Ion Ratio	Lower	Upper	
78	100		
77	24.8	18.7	28.1





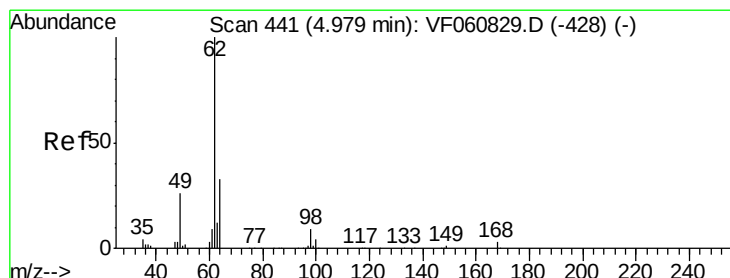
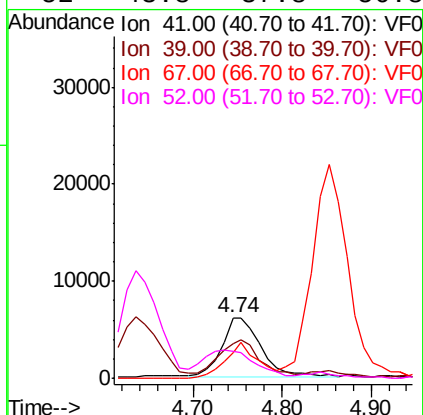
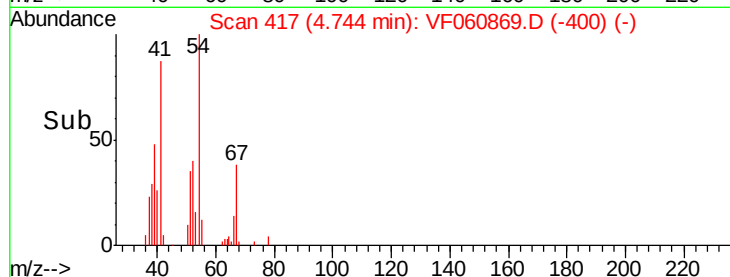
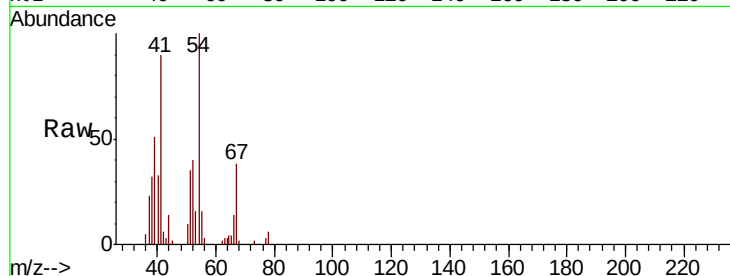
#41
Methacrylonitrile
Concen: 19.661 ug/l
RT: 4.74 min Scan# 417
Delta R.T. -0.04 min
Lab File: VF060869.D
Acq: 29 Nov 2018 16:08

Instrument :
MSVOA_F
ClientSampleId :
VF1129SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.7	53.0	79.6
67	41.6	43.8	65.6#
52	43.8	37.8	56.8

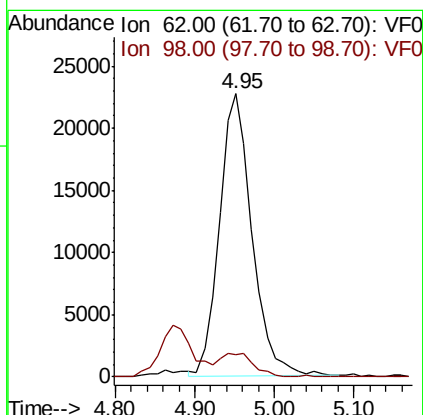
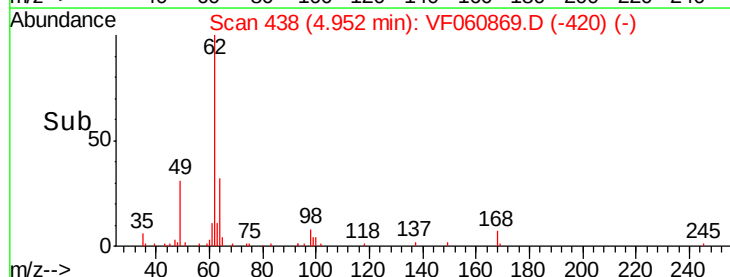
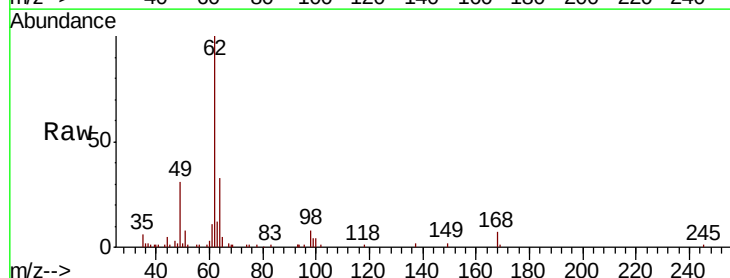
Manual Integrations
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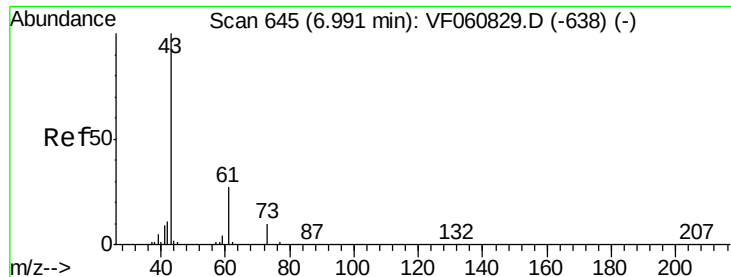
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#42
1,2-Dichloroethane
Concen: 20.096 ug/l
RT: 4.95 min Scan# 438
Delta R.T. -0.03 min
Lab File: VF060869.D
Acq: 29 Nov 2018 16:08

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	17.2





#43

Isopropyl Acetate

Concen: 19.463 ug/l

RT: 6.96 min Scan# 642

Delta R.T. -0.03 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Instrument :

MSVOA_F

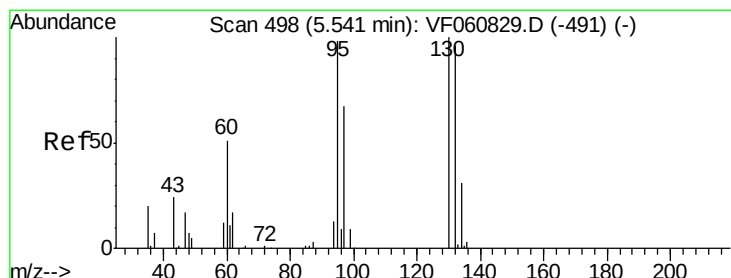
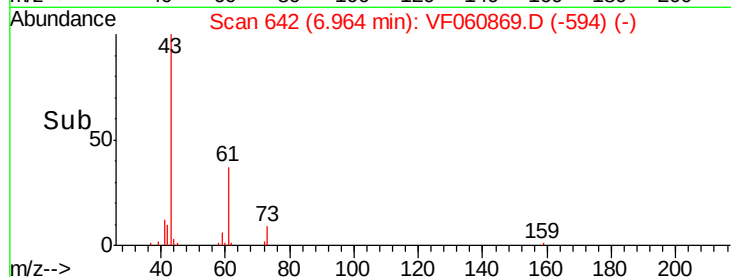
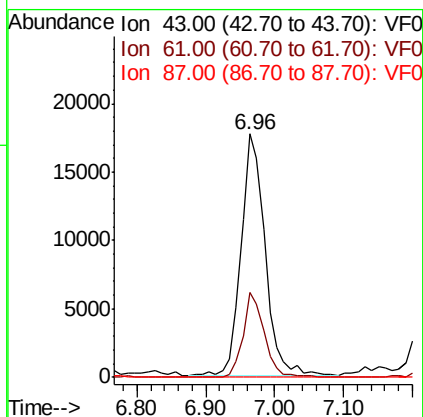
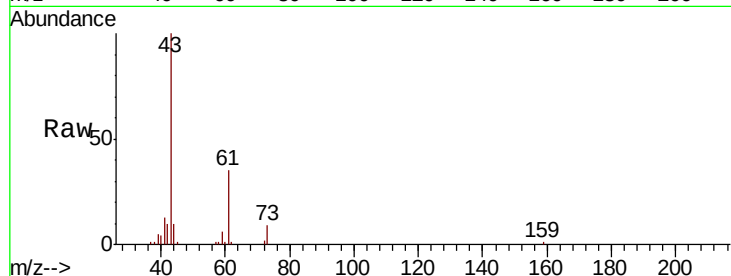
ClientSampleId :

VF1129SBSD01

Tot Ion:	43	Resp:	42564
Ion Ratio	Lower	Upper	
43	100		
61	34.6	21.4	32.0#
87	0.0	0.2	0.4#

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#44

Trichloroethene

Concen: 20.293 ug/l

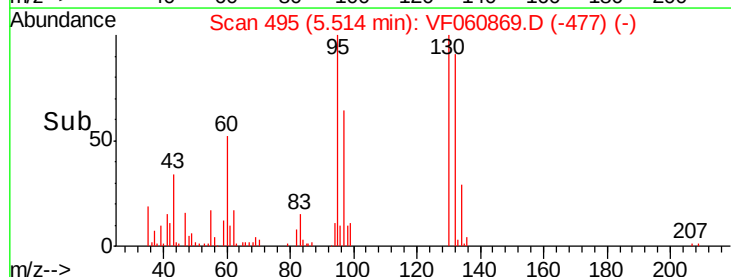
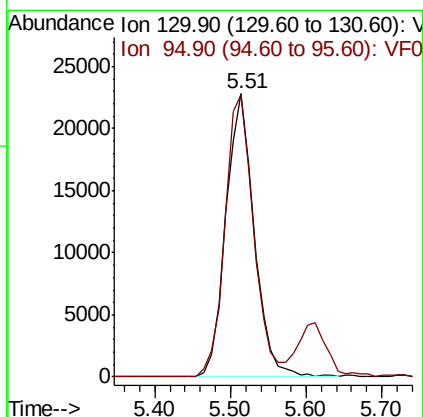
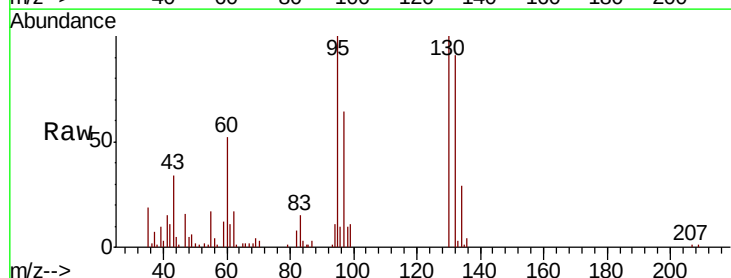
RT: 5.51 min Scan# 495

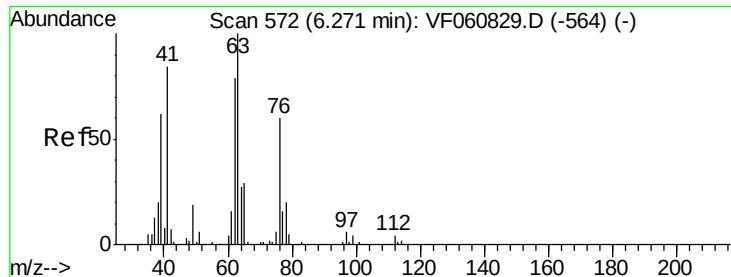
Delta R.T. -0.03 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Tgt Ion:	130	Resp:	58907
Ion Ratio	Lower	Upper	
130	100		
95	99.8	0.0	195.6





#45

1,2-Dichloropropane

Concen: 20.715 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.03 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Instrument :

MSVOA_F

ClientSampleId :

VF1129SBS01

Tot Ion: 63 Resp: 47763

Ion Ratio Lower Upper

63 100

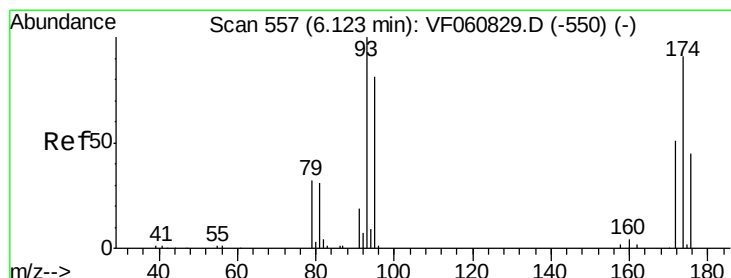
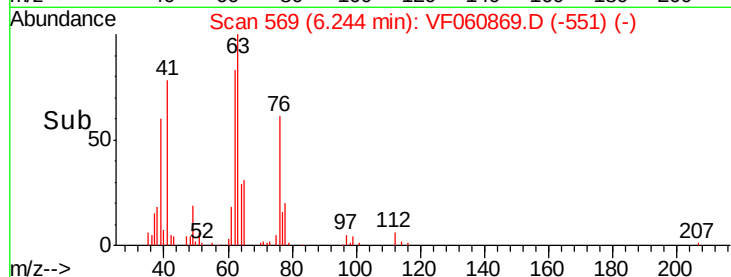
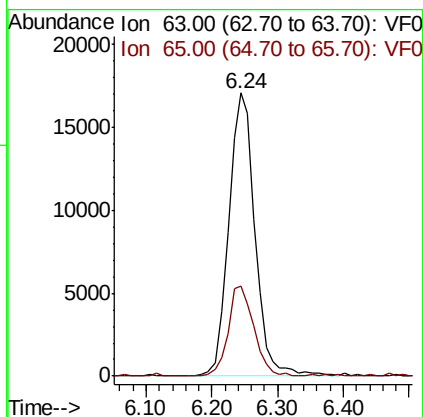
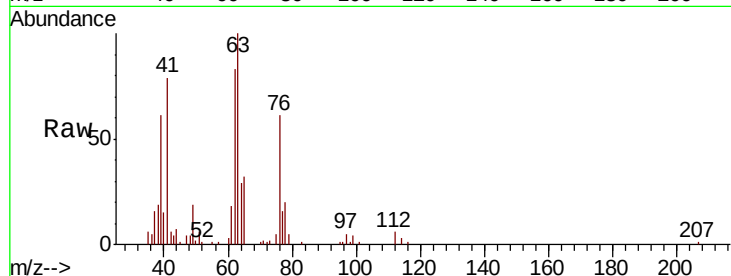
65 31.9 23.2 34.8

Manual Integrations

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#46

Dibromomethane

Concen: 20.963 ug/l

RT: 6.10 min Scan# 554

Delta R.T. -0.03 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

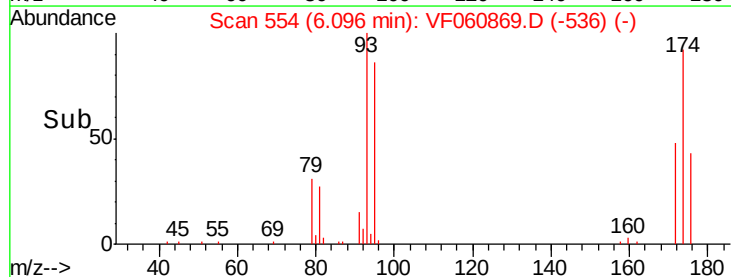
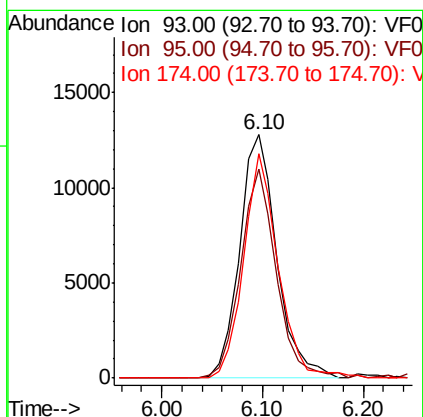
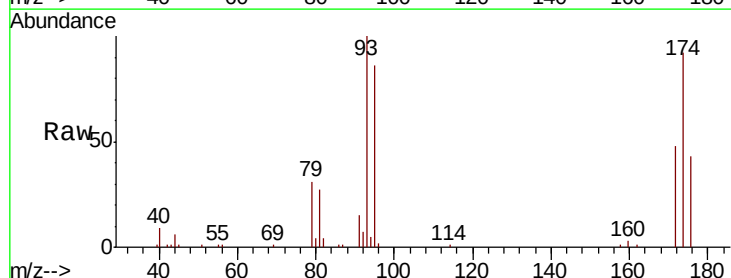
Tgt Ion: 93 Resp: 32789

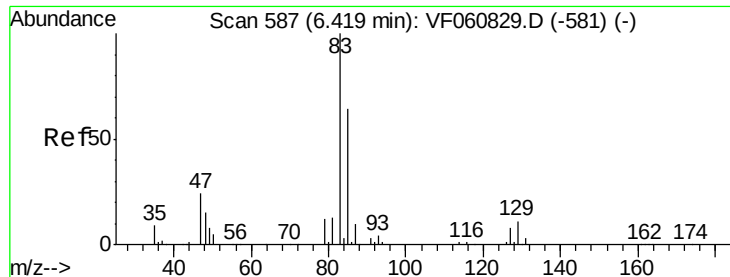
Ion Ratio Lower Upper

93 100

95 85.9 64.7 97.1

174 92.0 73.0 109.6





#47

Bromodichloromethane

Concen: 20.331 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.03 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Instrument :

MSVOA_F

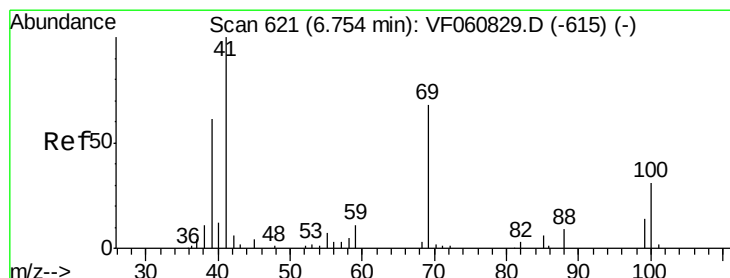
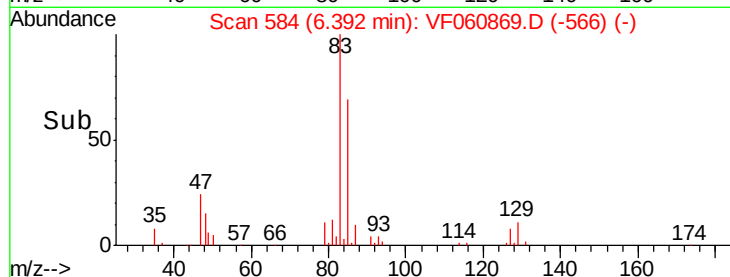
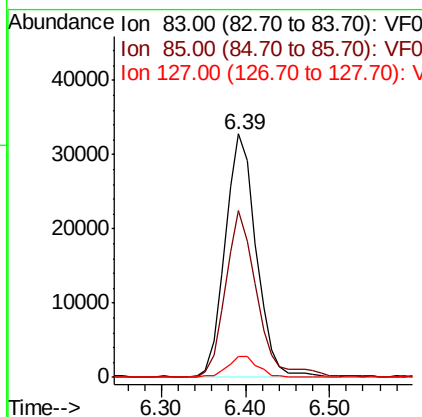
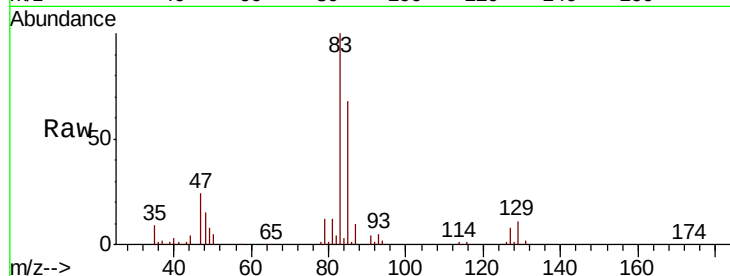
ClientSampleId :

VF1129SBS01

Tot Ion:	83	Resp:	84462
Ion	Ratio	Lower	Upper
83	100		
85	68.4	51.1	76.7
127	8.4	6.8	10.2

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#48

Methyl methacrylate

Concen: 20.393 ug/l

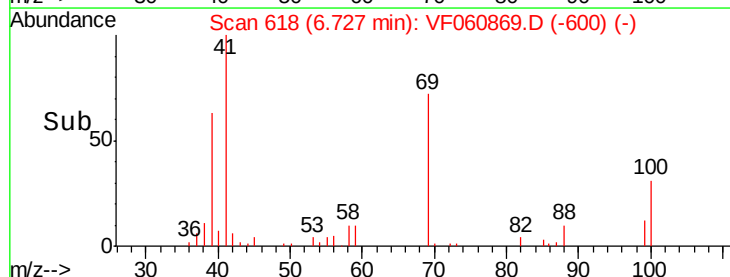
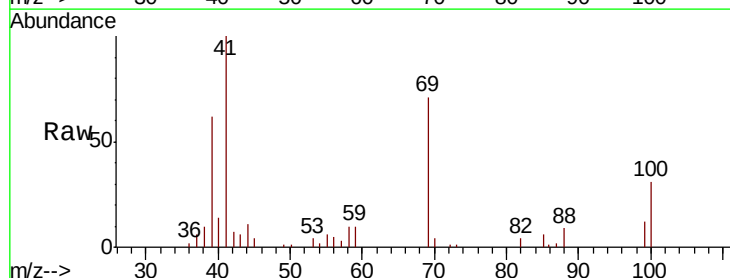
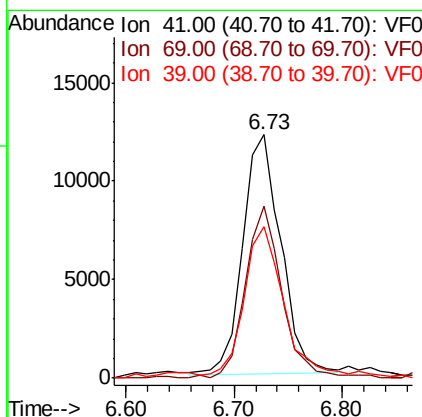
RT: 6.73 min Scan# 618

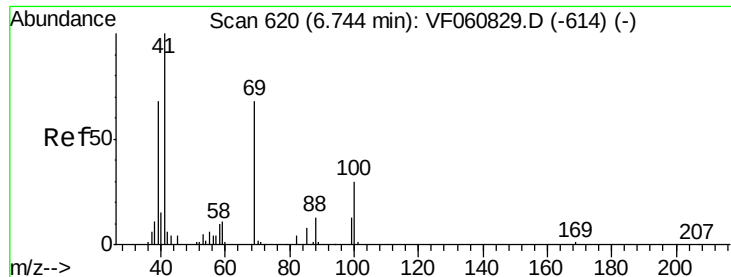
Delta R.T. -0.03 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Tgt Ion:	41	Resp:	30145
Ion	Ratio	Lower	Upper
41	100		
69	70.8	53.9	80.9
39	62.2	49.0	73.6





#49

1,4-Dioxane

Concen: 418.166 ug/l

RT: 6.72 min Scan# 617

Delta R.T. -0.03 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Instrument :

MSVOA_F

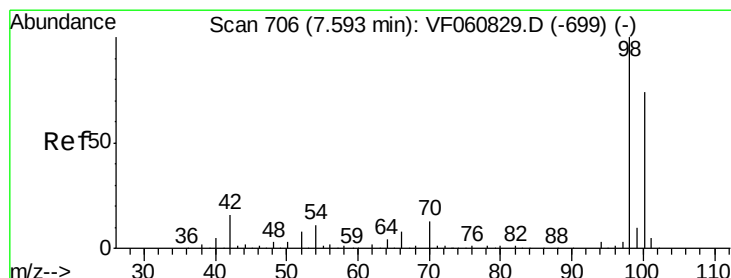
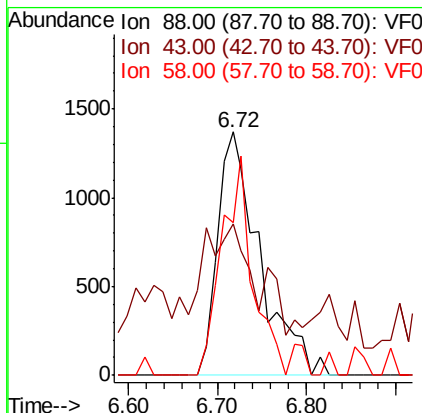
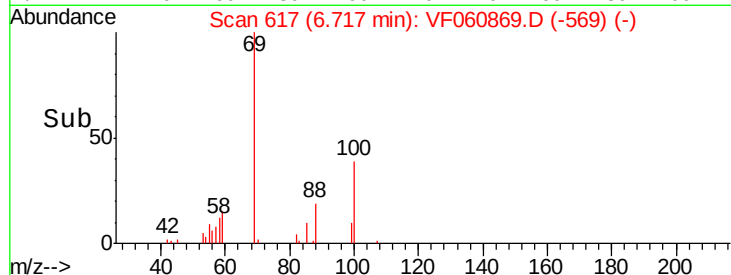
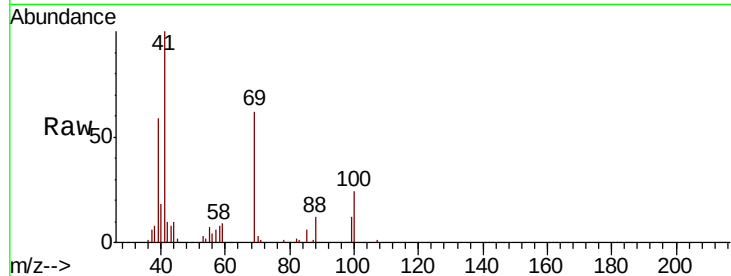
ClientSampleId :

VF1129SBS01

Tot Ion:	88	Resp:	4524
Ion	Ratio	Lower	Upper
88	100		
43	62.4	42.0	63.0
58	62.6	61.8	92.8

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#50

Toluene-d8

Concen: 47.216 ug/l

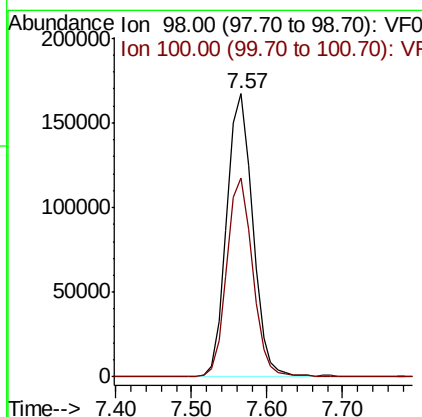
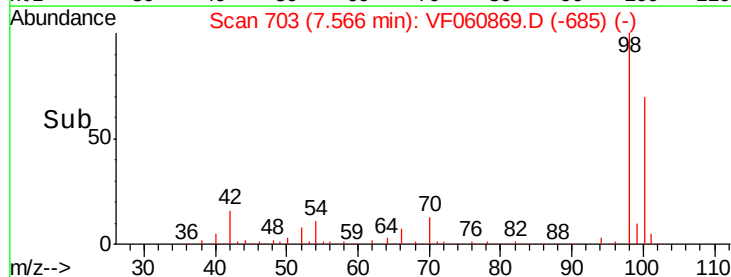
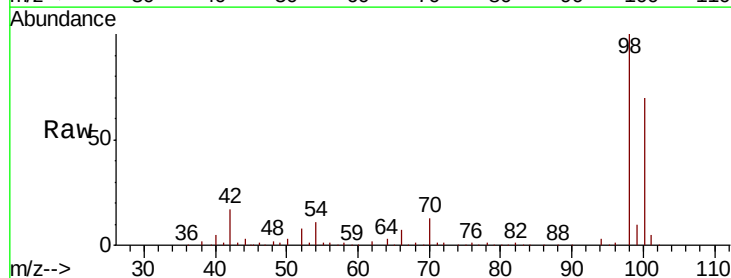
RT: 7.57 min Scan# 703

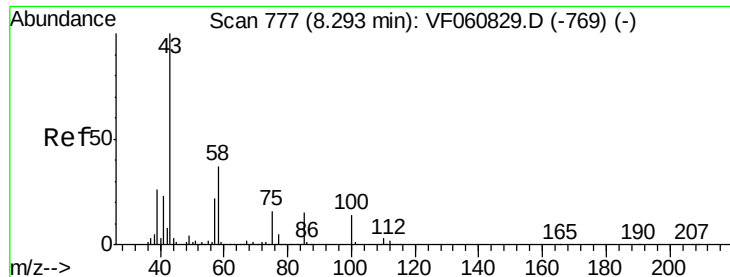
Delta R.T. -0.03 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Tgt Ion:	98	Resp:	399778
Ion	Ratio	Lower	Upper
98	100		
100	70.3	59.3	88.9





#51

4-Methyl-2-Pentanone

Concen: 107.960 ug/l

RT: 8.27 min Scan# 774

Delta R.T. -0.03 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Instrument :

MSVOA_F

ClientSampleId :

VF1129SBS01

Tot Ion: 43 Resp: 162584

Ion Ratio Lower Upper

43 100

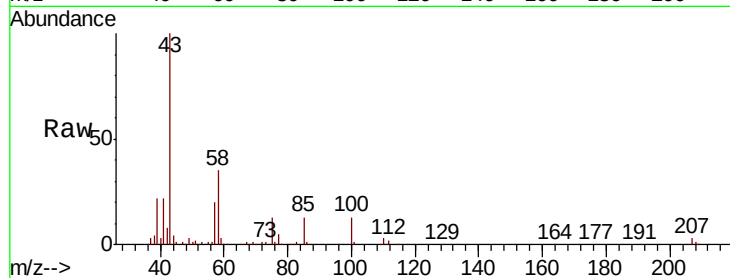
58 35.0 29.7 44.5

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.27

80000

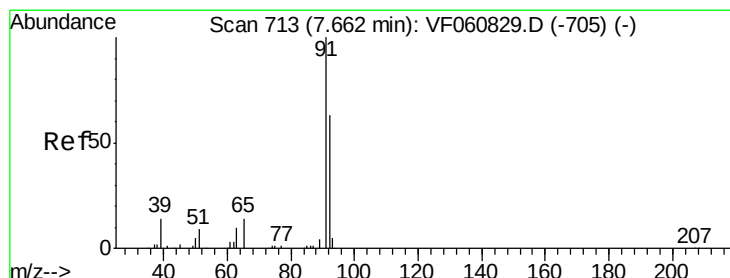
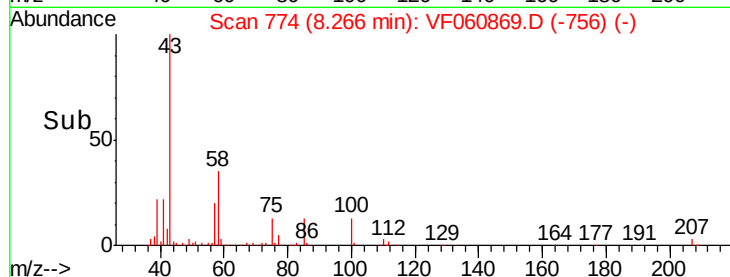
60000

40000

20000

0

Time--> 8.10 8.20 8.30 8.40



#52

Toluene

Concen: 19.029 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.03 min

Lab File: VF060869.D

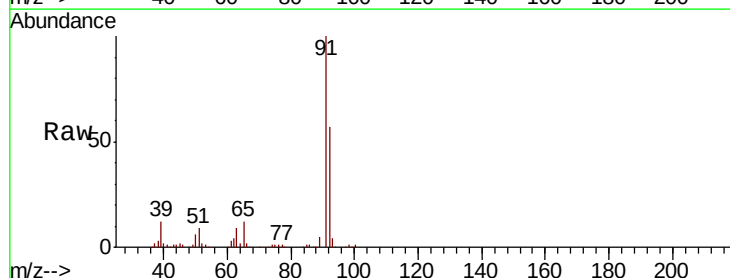
Acq: 29 Nov 2018 16:08

Tgt Ion: 92 Resp: 118664

Ion Ratio Lower Upper

92 100

91 174.5 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.63

100000

80000

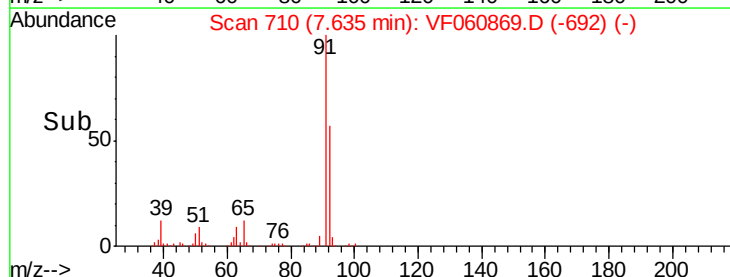
60000

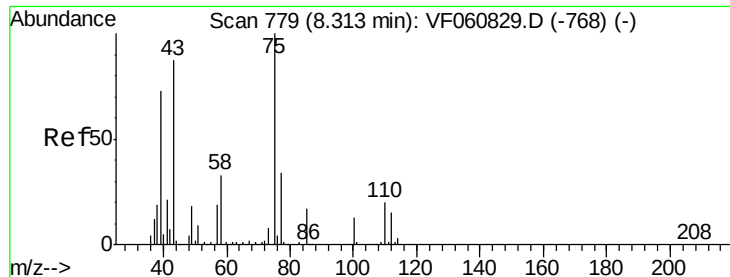
40000

20000

0

Time--> 7.50 7.60 7.70





#53

t-1,3-Dichloropropene

Concen: 19.890 ug/l

RT: 8.29 min Scan# 776

Delta R.T. -0.03 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Instrument :

MSVOA_F

ClientSampleId :

VF1129SBS01

Tot Ion: 75 Resp: 67213

Ion Ratio Lower Upper

75 100

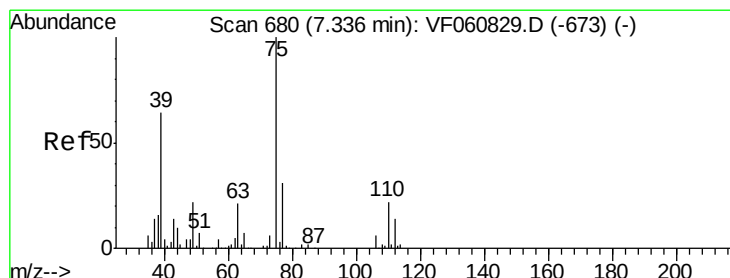
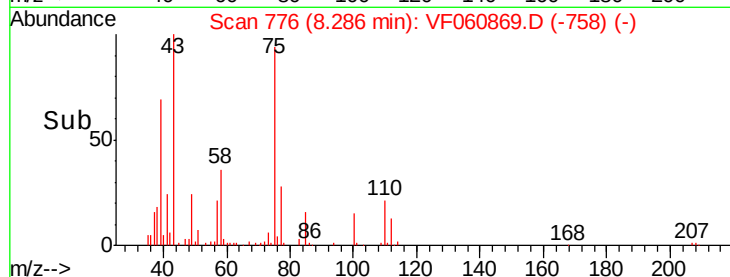
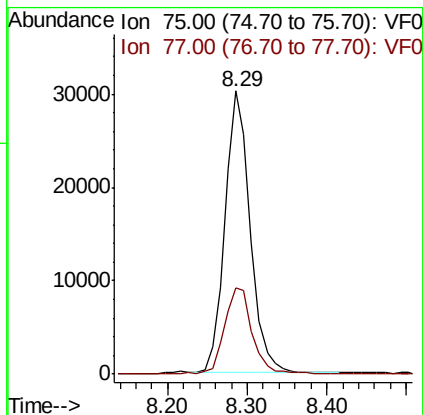
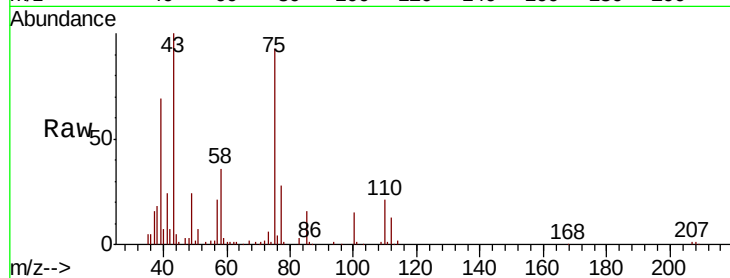
77 30.4 27.4 41.2

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#54

cis-1,3-Dichloropropene

Concen: 21.041 ug/l

RT: 7.31 min Scan# 677

Delta R.T. -0.03 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

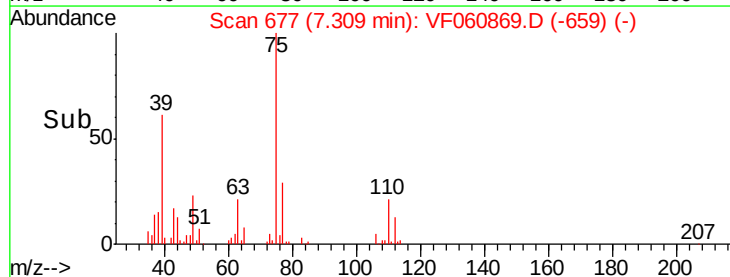
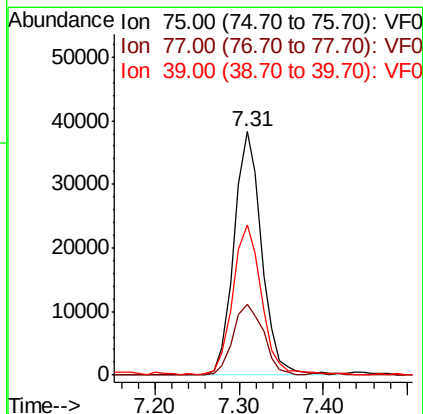
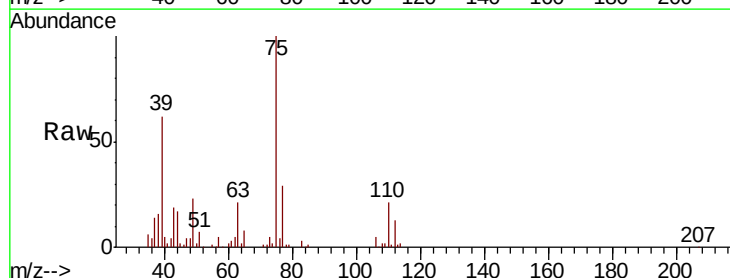
Tgt Ion: 75 Resp: 88022

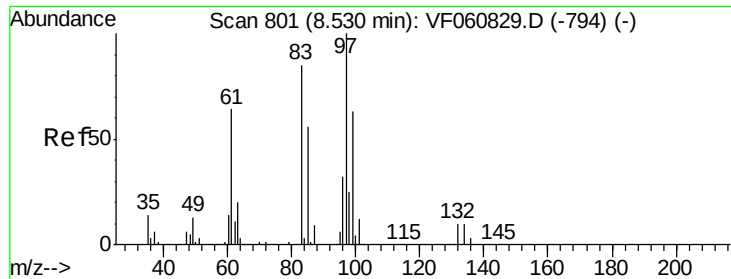
Ion Ratio Lower Upper

75 100

77 29.2 25.0 37.6

39 61.9 51.1 76.7





#55

1,1,2-Trichloroethane

Concen: 20.128 ug/l

RT: 8.50 min Scan# 798

Delta R.T. -0.03 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Instrument :

MSVOA_F

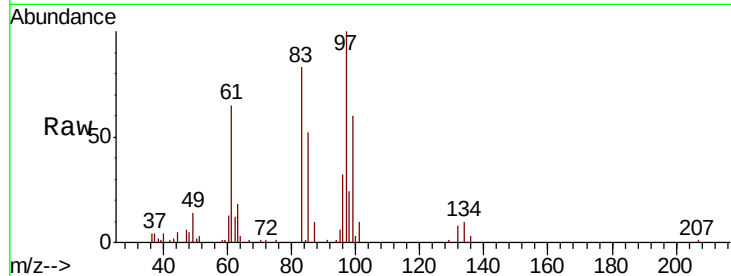
ClientSampleId :

VF1129SBS01

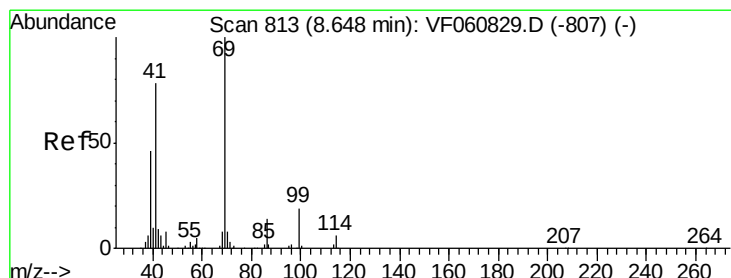
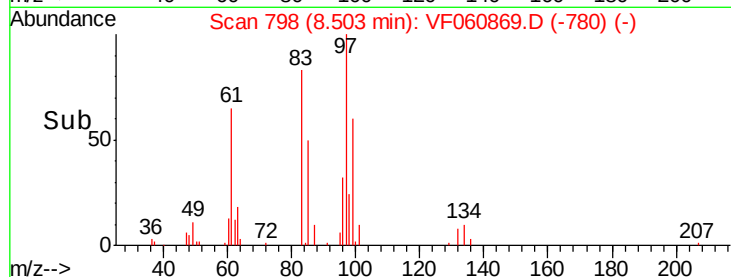
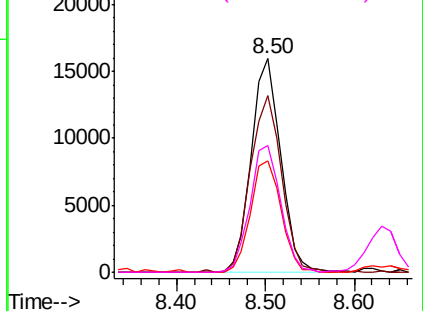
Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		36575		
83	82.6	67.8	101.6		
85	52.0	45.0	67.6		
99	59.6	50.5	75.7		

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Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 82.95 (82.65 to 83.65): VF0
Ion 84.95 (84.65 to 85.65): VF0
Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 18.922 ug/l

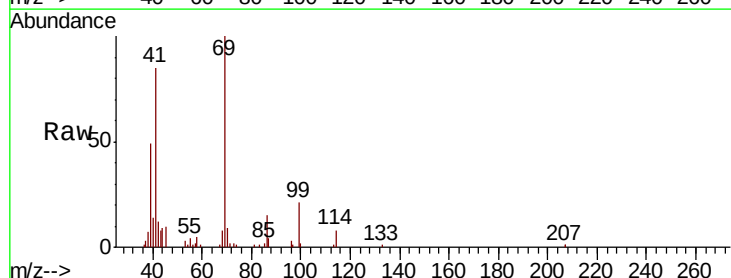
RT: 8.63 min Scan# 811

Delta R.T. -0.02 min

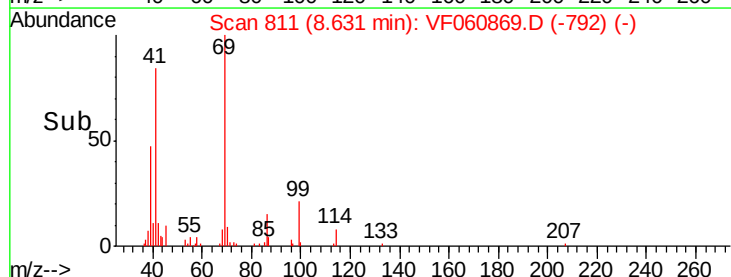
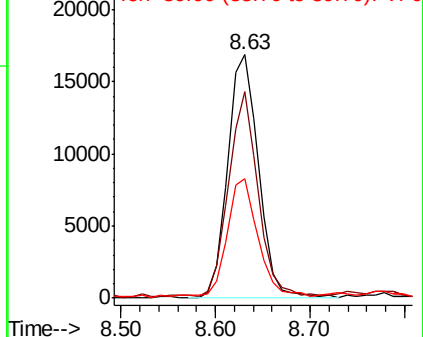
Lab File: VF060869.D

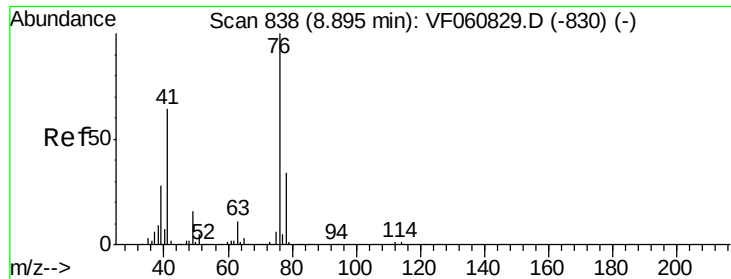
Acq: 29 Nov 2018 16:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		38195		
41	85.1	62.6	94.0		
39	49.2	37.8	56.6		



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





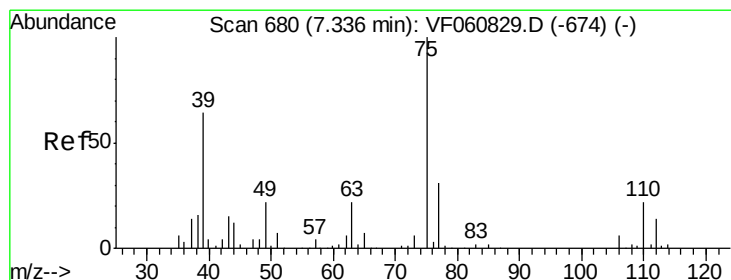
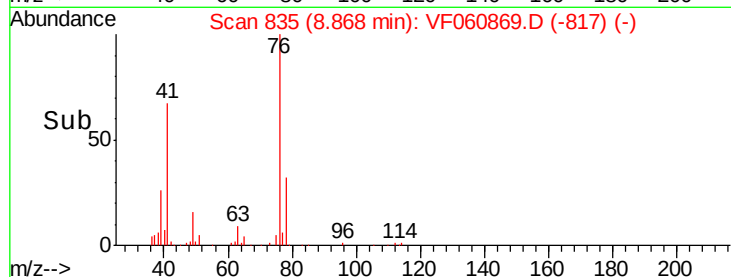
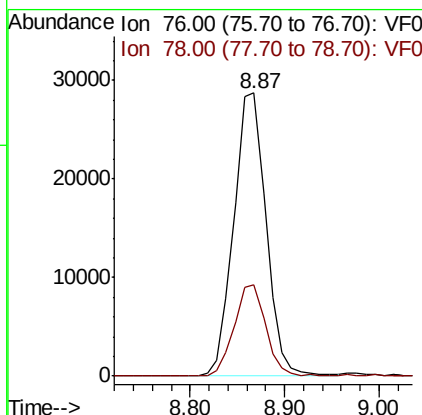
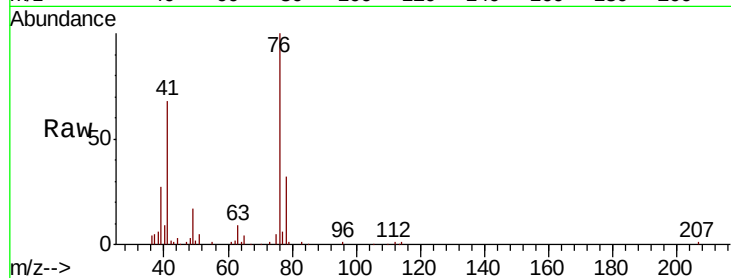
#57
 1,3-Dichloropropane
 Concen: 21.482 ug/l
 RT: 8.87 min Scan# 835
 Delta R.T. -0.03 min
 Lab File: VF060869.D
 Acq: 29 Nov 2018 16:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1129SBS01

Tot Ion: 76 Resp: 68295
 Ion Ratio Lower Upper
 76 100
 78 32.5 27.0 40.4

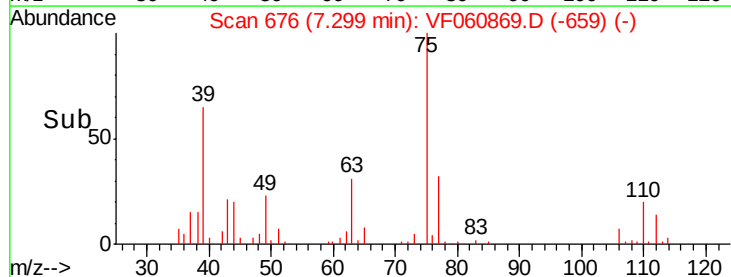
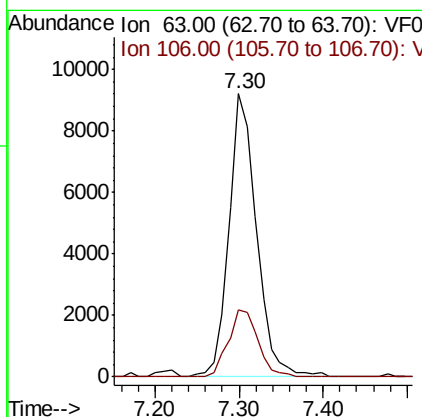
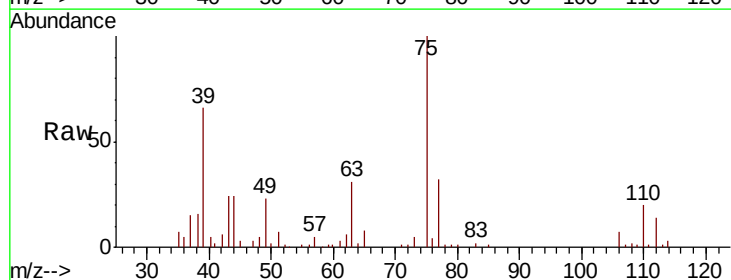
Manual Integrations
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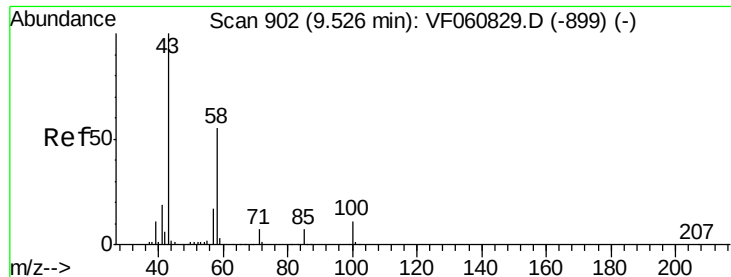
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#58
 2-Chloroethyl Vinyl ether
 Concen: 101.738 ug/l
 RT: 7.30 min Scan# 676
 Delta R.T. -0.04 min
 Lab File: VF060869.D
 Acq: 29 Nov 2018 16:08

Tgt Ion: 63 Resp: 21006
 Ion Ratio Lower Upper
 63 100
 106 23.6 23.0 34.6





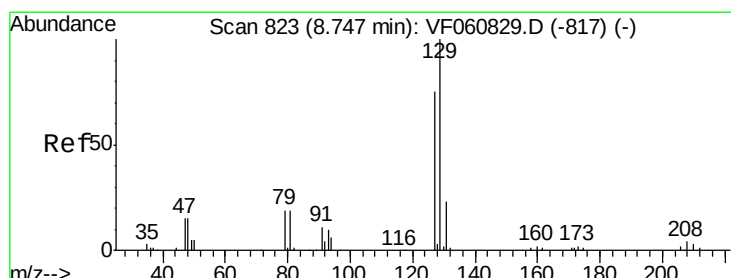
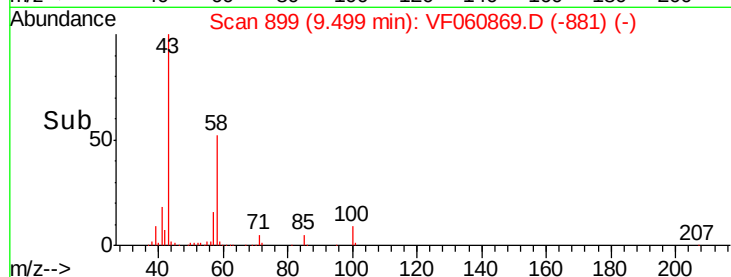
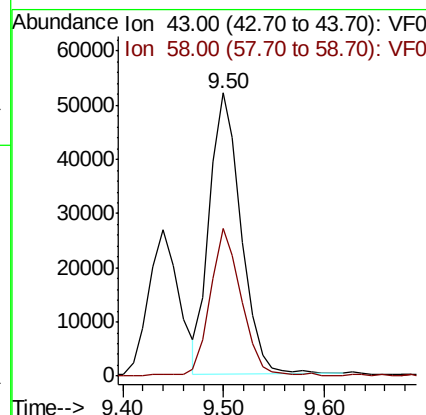
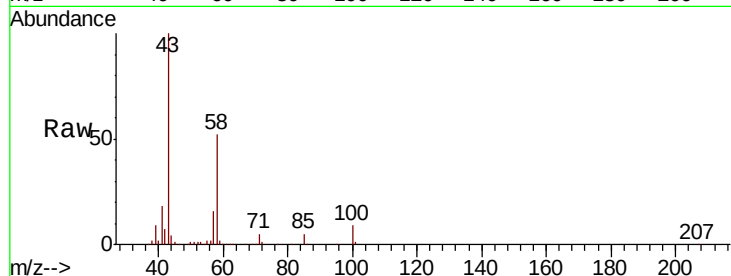
#59
2-Hexanone
Concen: 107.335 ug/l
RT: 9.50 min Scan# 899
Delta R.T. -0.03 min
Lab File: VF060869.D
Acq: 29 Nov 2018 16:08

Instrument :
MSVOA_F
ClientSampleId :
VF1129SBS01

Tot Ion: 43 Resp: 113402
Ion Ratio Lower Upper
43 100
58 52.3 25.6 76.6

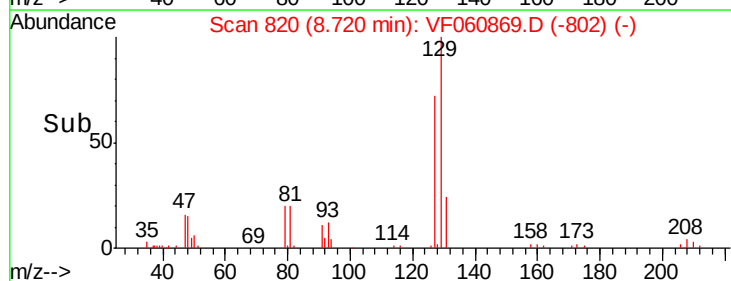
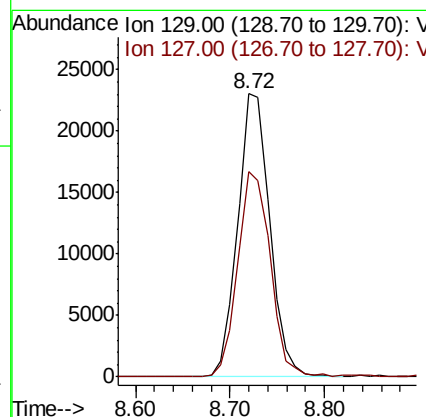
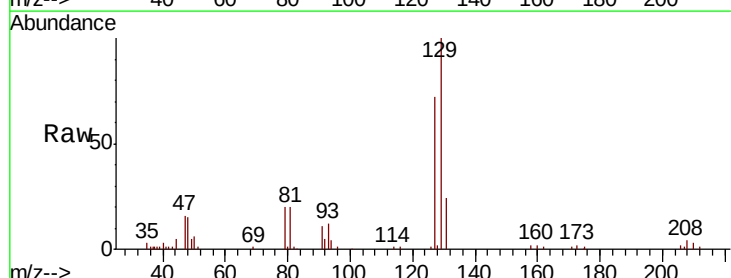
Manual Integrations
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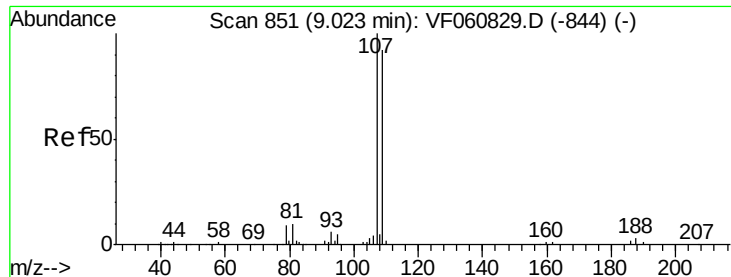
apatel
12/3/2018 11:58:24 AM



#60
Dibromochloromethane
Concen: 19.991 ug/l
RT: 8.72 min Scan# 820
Delta R.T. -0.03 min
Lab File: VF060869.D
Acq: 29 Nov 2018 16:08

Tgt Ion: 129 Resp: 54125
Ion Ratio Lower Upper
129 100
127 72.3 37.3 111.9





#61

1,2-Dibromoethane

Concen: 18.908 ug/l

RT: 9.00 min Scan# 848

Delta R.T. -0.03 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Instrument :

MSVOA_F

ClientSampleId :

VF1129SBS01

Tot Ion: 107 Resp: 37116

Ion Ratio Lower Upper

107 100

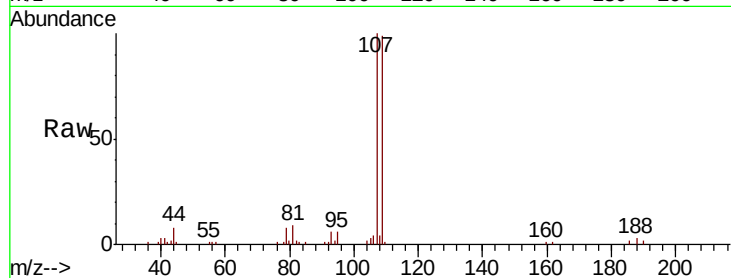
109 99.0 73.6 110.4

Manual Integrations

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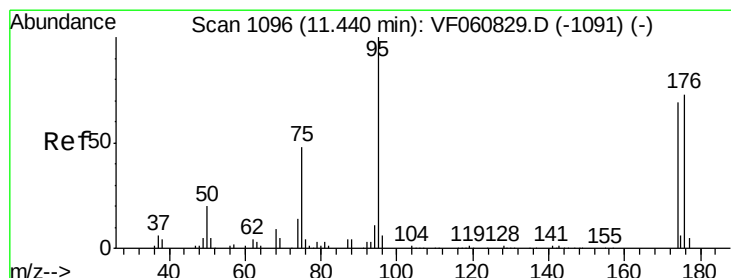
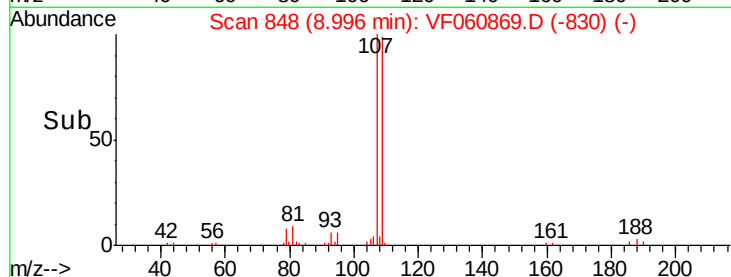
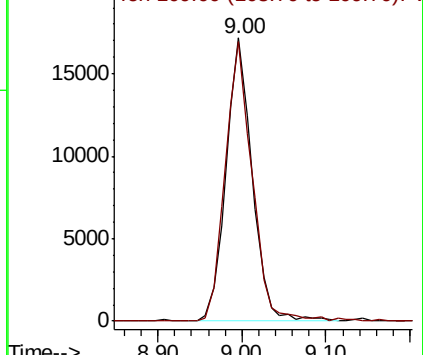
apatel

12/3/2018 11:58:24 AM



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 49.190 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. -0.02 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

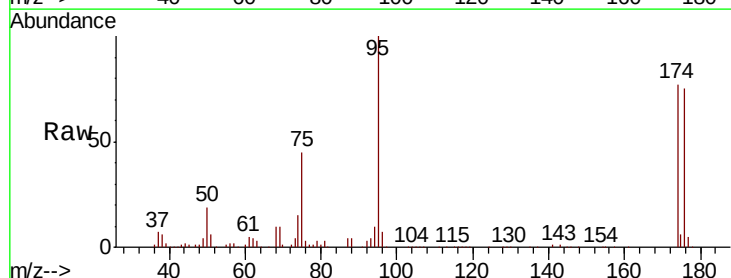
Tgt Ion: 95 Resp: 189289

Ion Ratio Lower Upper

95 100

174 76.7 0.0 138.2

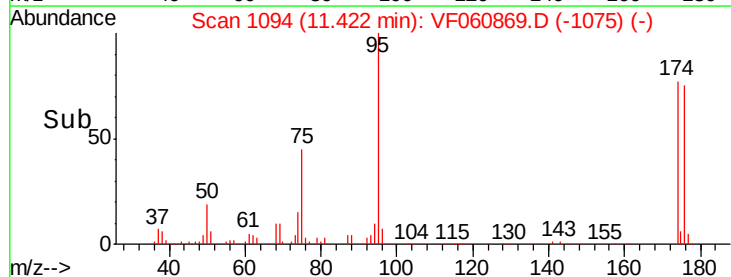
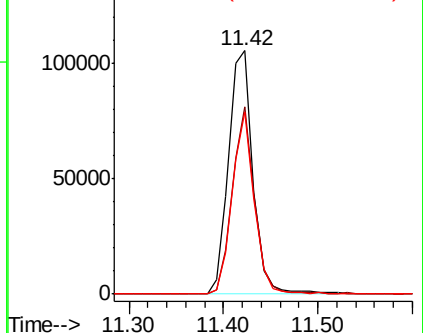
176 74.8 0.0 146.2

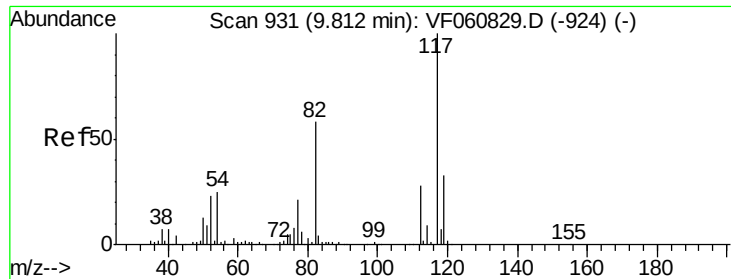


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





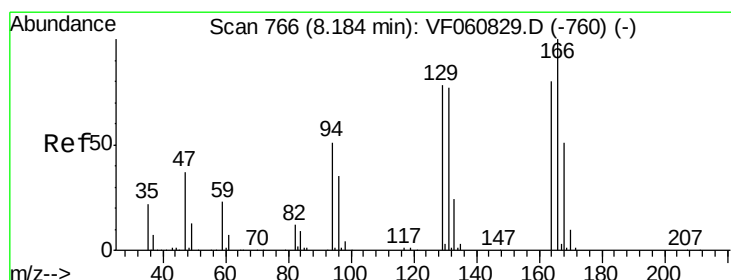
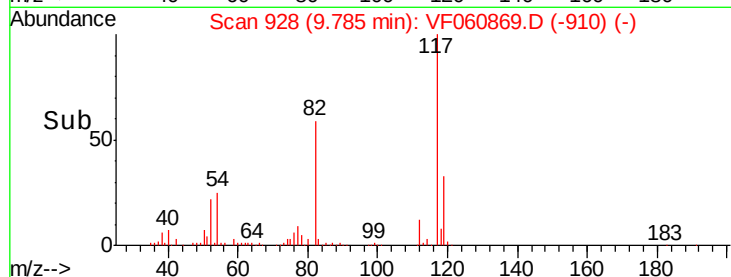
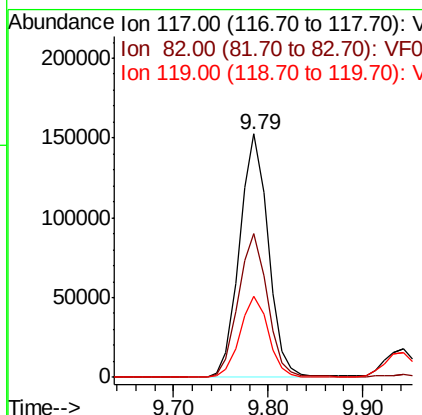
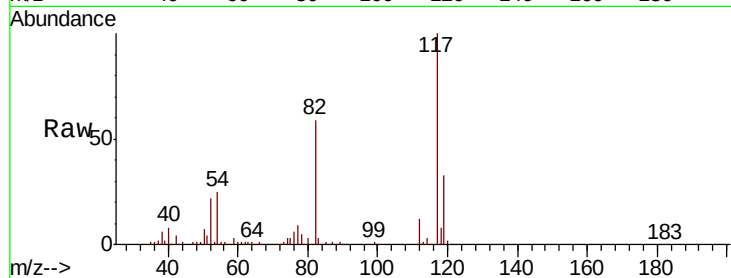
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 928
Delta R.T. -0.03 min
Lab File: VF060869.D
Acq: 29 Nov 2018 16:08

Instrument :
MSVOA_F
ClientSampleId :
VF1129SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	59.0	46.6	69.8	
119	33.2	26.4	39.6	

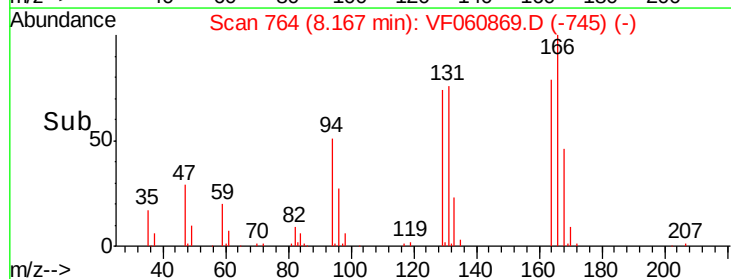
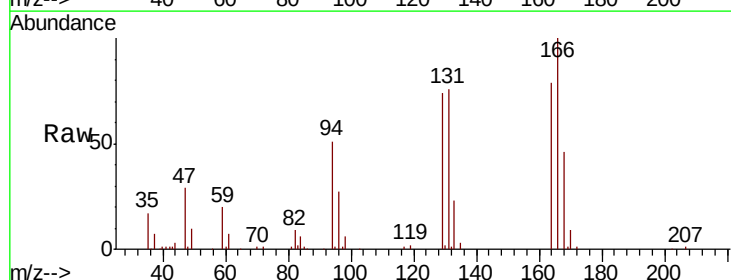
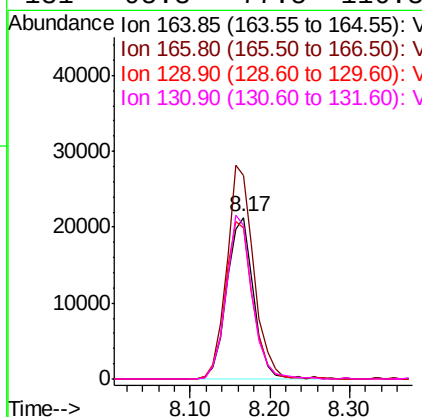
Manual Integrations
APPROVED

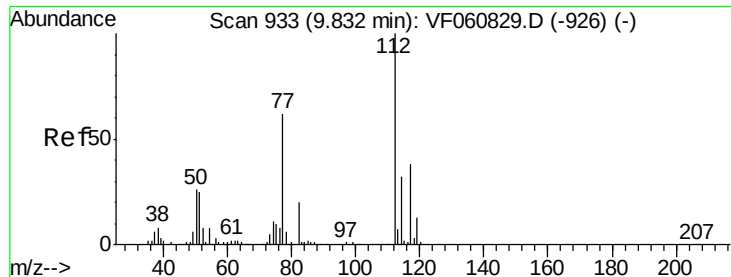
apatel
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#64
Tetrachloroethene
Concen: 20.363 ug/l
RT: 8.17 min Scan# 764
Delta R.T. -0.02 min
Lab File: VF060869.D
Acq: 29 Nov 2018 16:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	126.1	100.3	150.5	
129	93.2	77.9	116.9	
131	95.3	77.5	116.3	





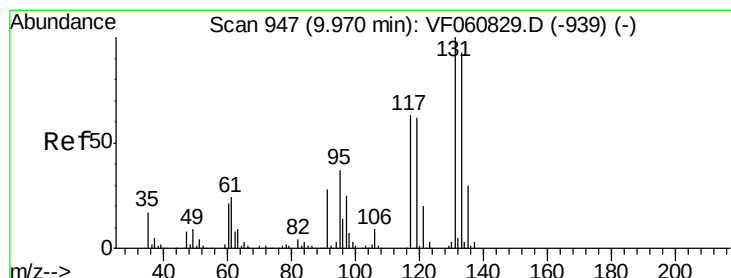
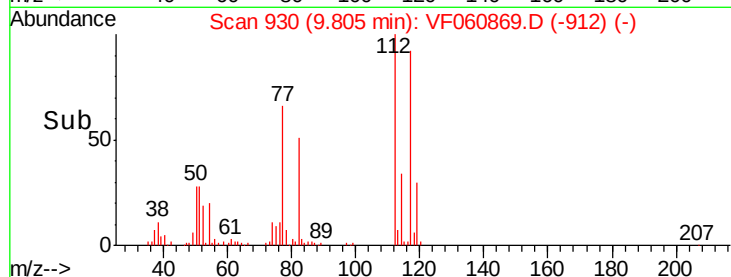
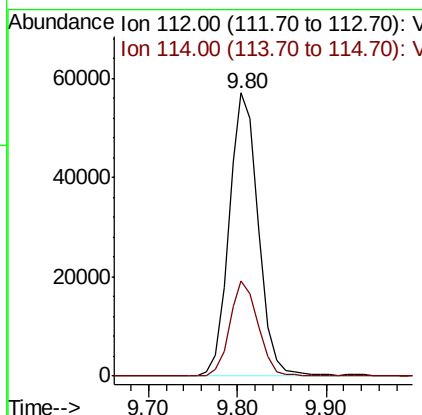
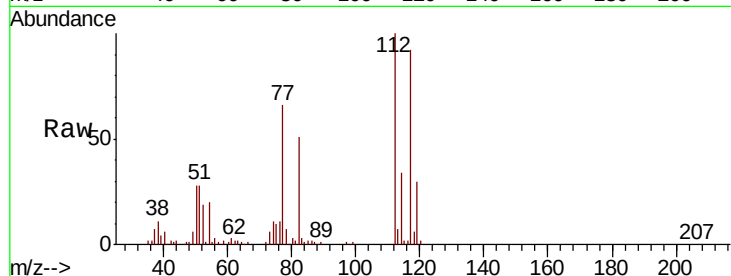
#65
Chlorobenzene
Concen: 20.861 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.03 min
Lab File: VF060869.D
Acq: 29 Nov 2018 16:08

Instrument :
MSVOA_F
ClientSampleId :
VF1129SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.6	26.0	39.0

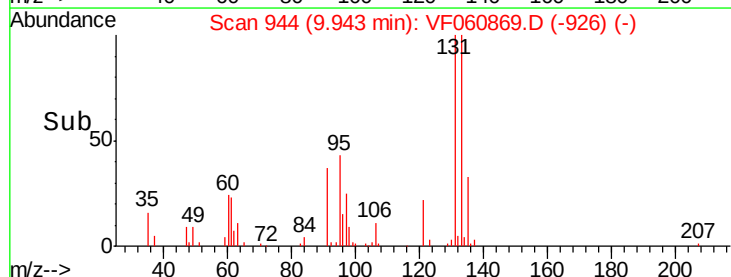
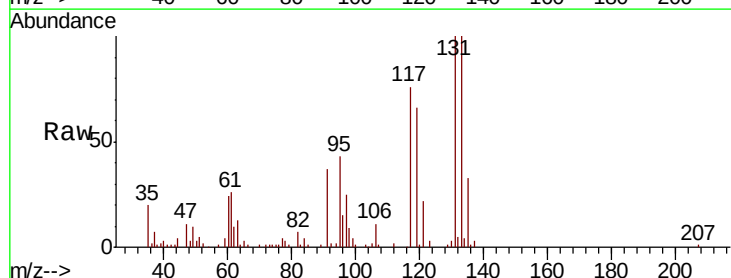
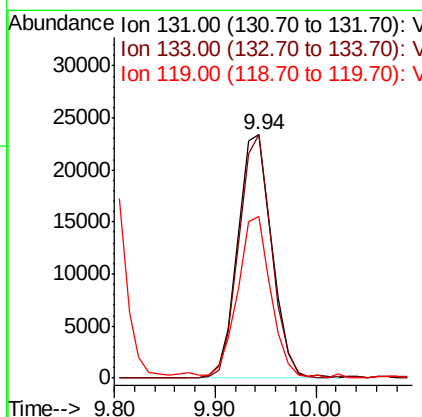
Manual Integrations
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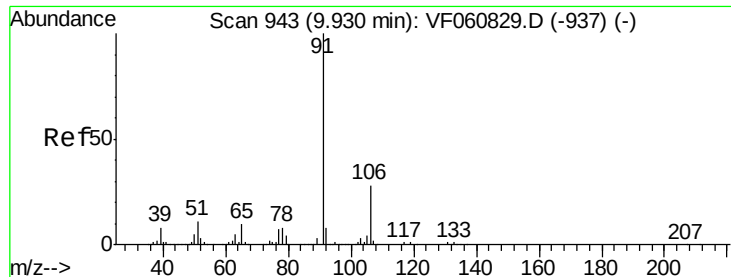
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.468 ug/l
RT: 9.94 min Scan# 944
Delta R.T. -0.03 min
Lab File: VF060869.D
Acq: 29 Nov 2018 16:08

Tgt Ion	Ratio	Lower	Upper
131	100		
133	99.9	46.5	139.3
119	66.2	31.1	93.3





#67

Ethyl Benzene

Concen: 21.239 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.03 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Instrument :

MSVOA_F

ClientSampleId :

VF1129SBSD01

Tot Ion: 91 Resp: 248375

Ion Ratio Lower Upper

91 100

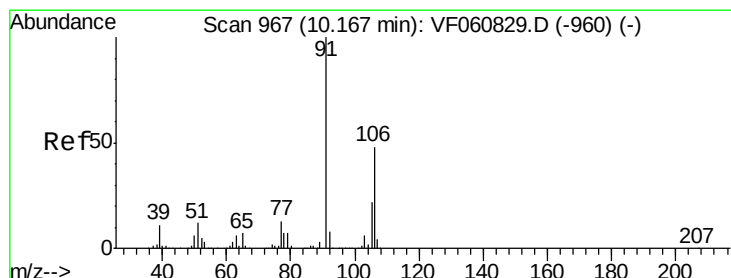
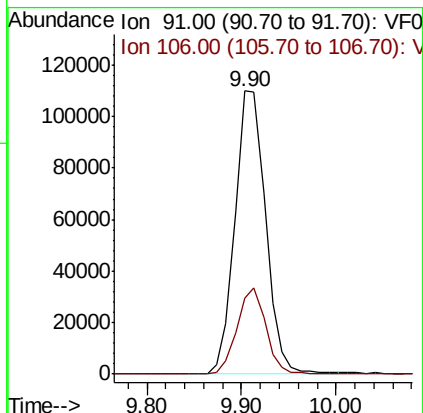
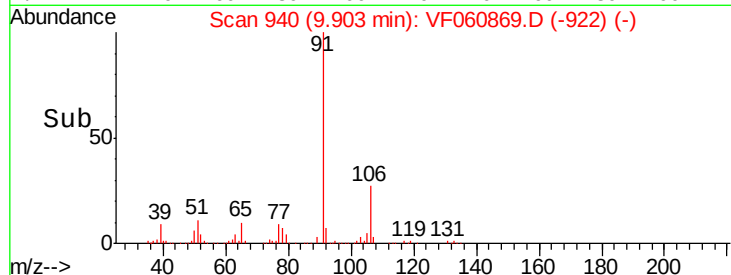
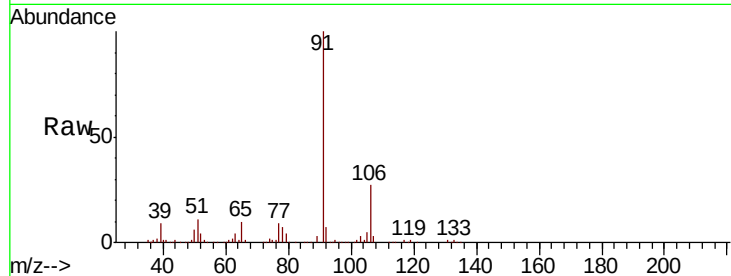
106 26.8 22.2 33.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 43.502 ug/l

RT: 10.14 min Scan# 964

Delta R.T. -0.03 min

Lab File: VF060869.D

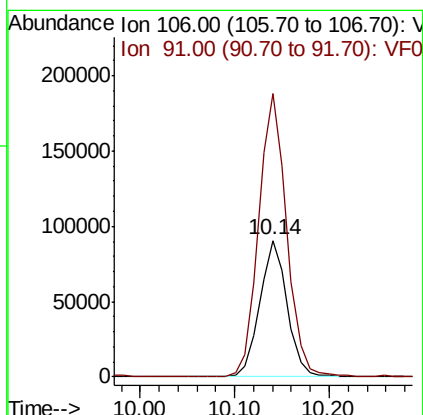
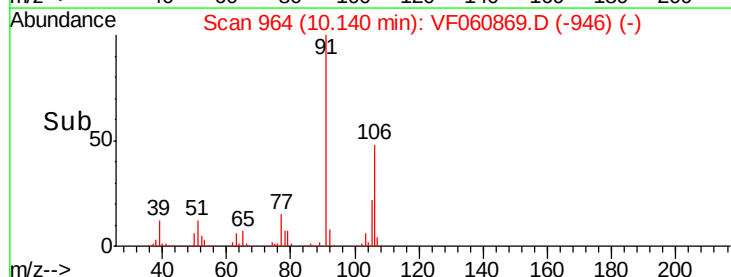
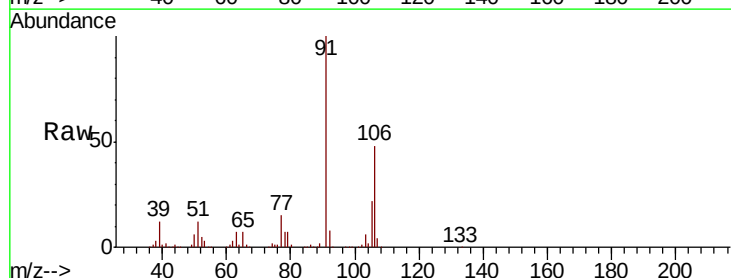
Acq: 29 Nov 2018 16:08

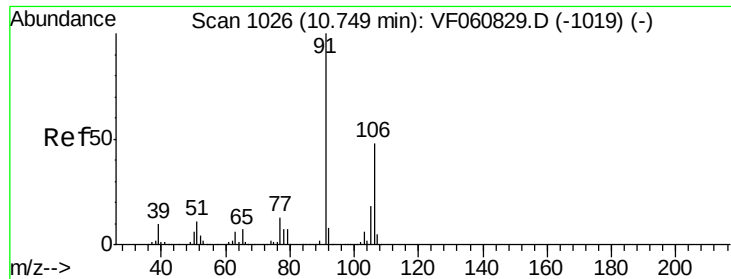
Tgt Ion: 106 Resp: 182966

Ion Ratio Lower Upper

106 100

91 207.0 166.7 250.1





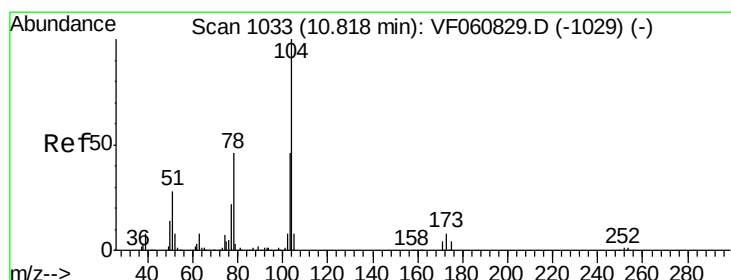
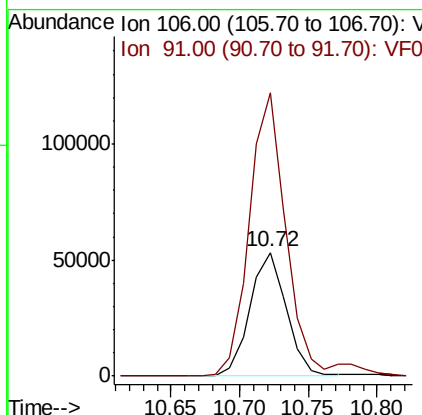
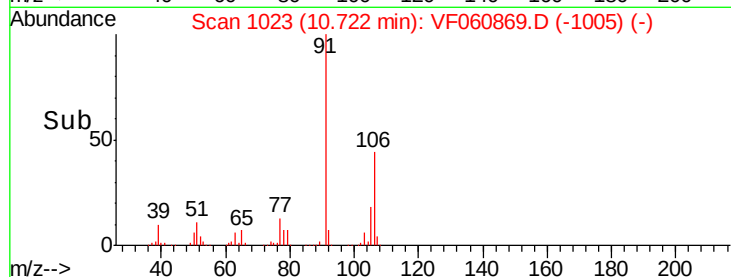
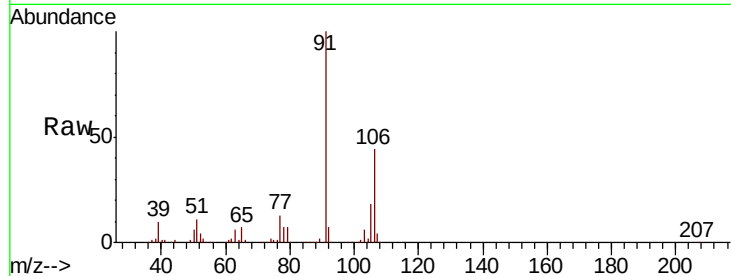
#69
o-Xylene
Concen: 21.348 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.03 min
Lab File: VF060869.D
Acq: 29 Nov 2018 16:08

Instrument :
MSVOA_F
ClientSampleId :
VF1129SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	99009		
91	91	229.2		104.8	314.6

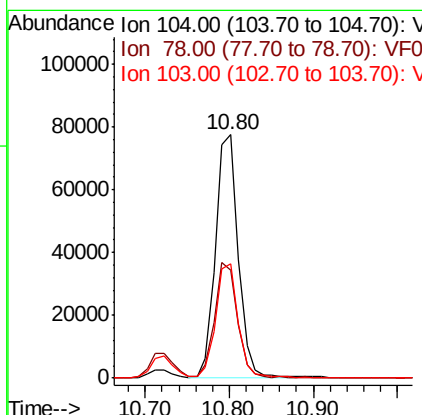
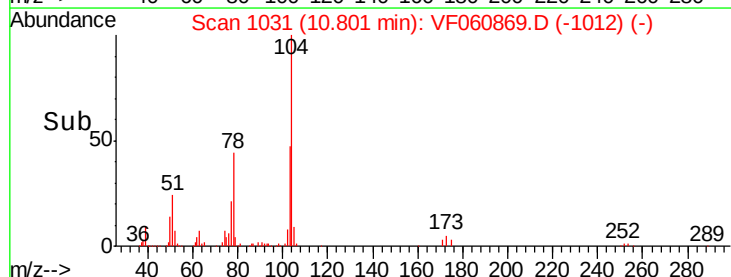
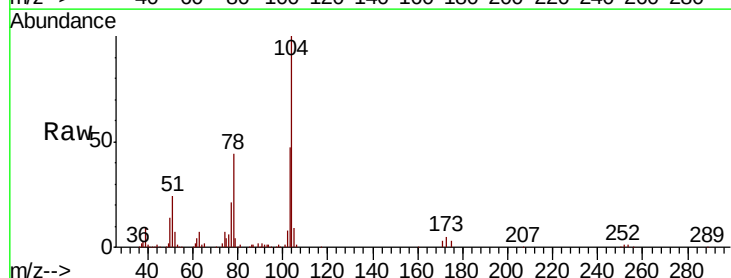
Manual Integrations
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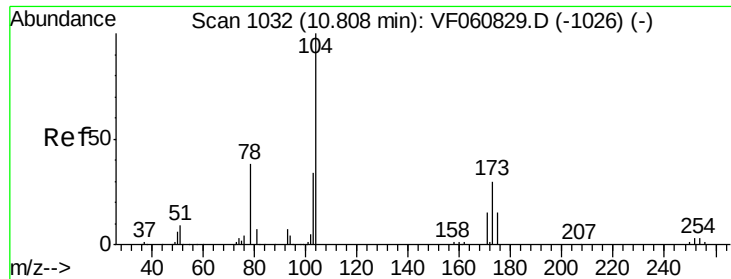
apatel
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#70
Styrene
Concen: 22.687 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. -0.02 min
Lab File: VF060869.D
Acq: 29 Nov 2018 16:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	145859		
78	78	44.4		37.3	55.9
103	103	47.2		36.8	55.2





#71

Bromoform

Concen: 22.705 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. -0.03 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Instrument :

MSVOA_F

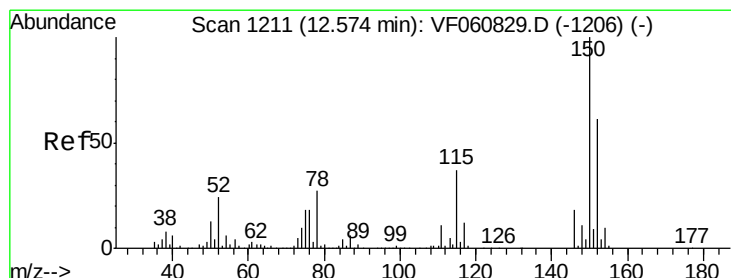
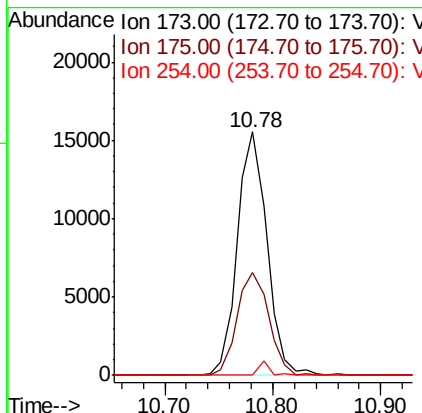
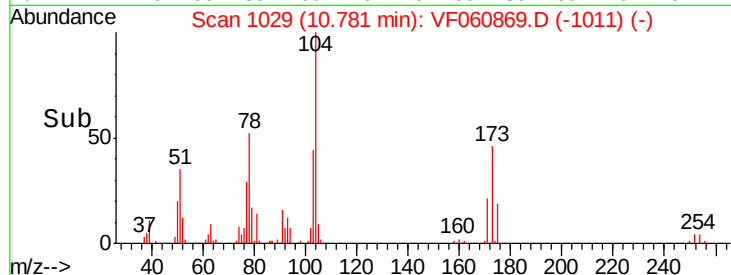
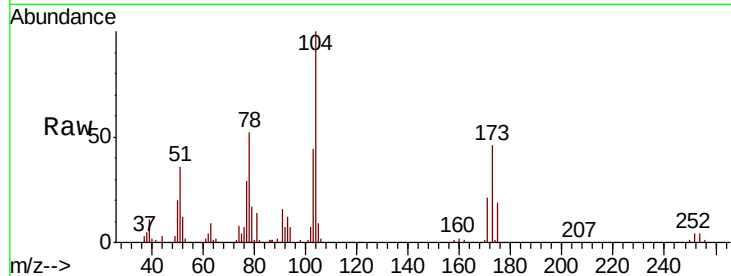
ClientSampleId :

VF1129SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	42.9	25.5	76.5
254	0.0	7.5	11.3

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

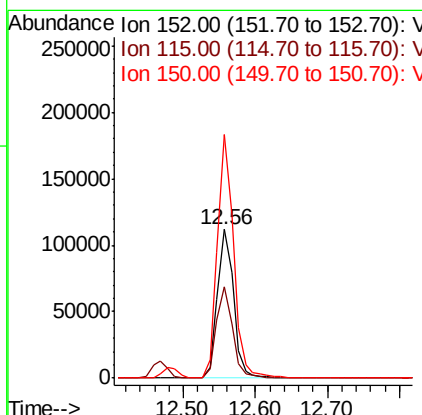
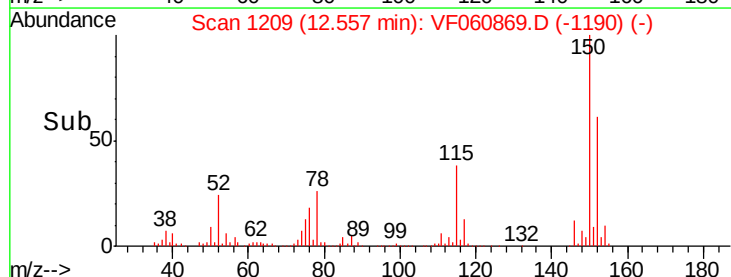
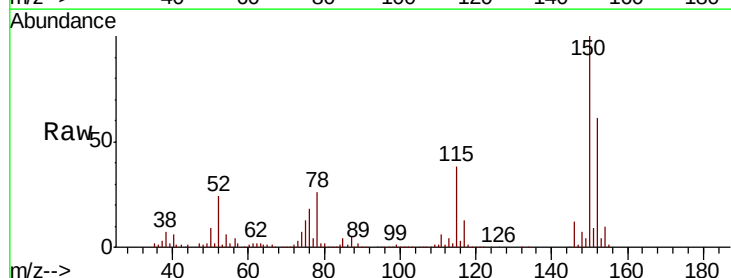
RT: 12.56 min Scan# 1209

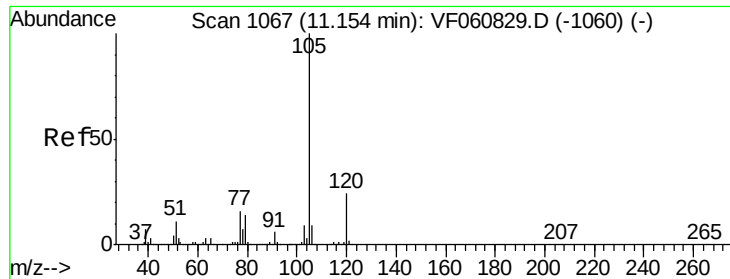
Delta R.T. -0.02 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.7	30.1	90.5
150	163.8	0.0	327.6





#73

Isopropylbenzene

Concen: 21.753 ug/l

RT: 11.14 min Scan# 1065

Delta R.T. -0.02 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Instrument :

MSVOA_F

ClientSampleId :

VF1129SBS01

Tot Ion: 105 Resp: 297678

Ion Ratio Lower Upper

105 100

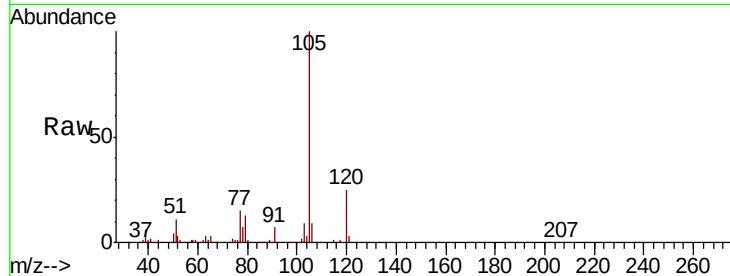
120 25.3 12.2 36.4

Manual Integrations

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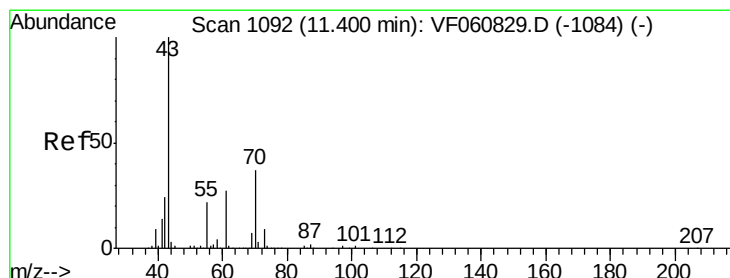
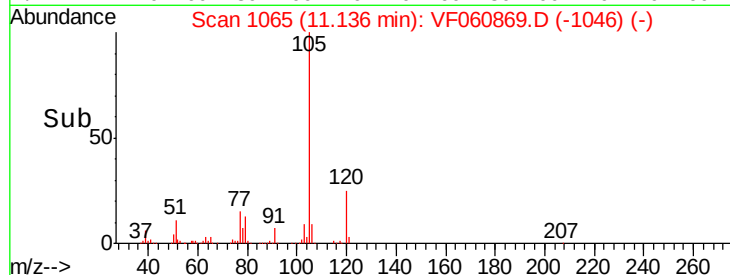
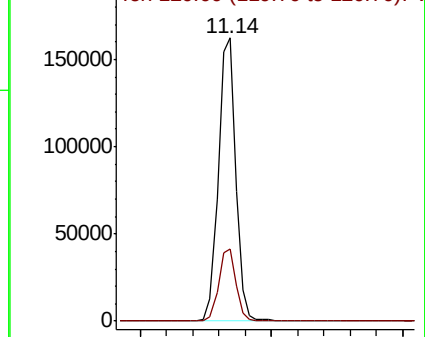
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 23.162 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. -0.02 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Tgt Ion: 43 Resp: 73191

Ion Ratio Lower Upper

43 100

70 36.8 29.6 44.4

55 20.9 17.2 25.8

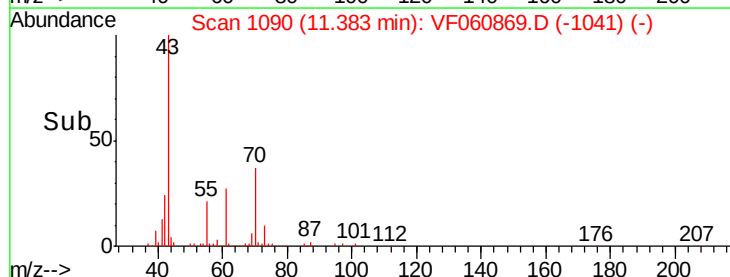
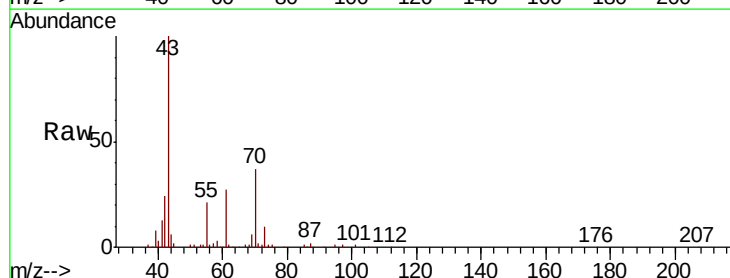
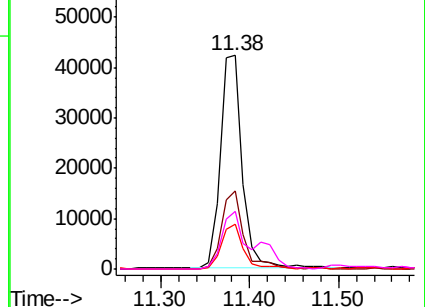
61 26.9 21.8 32.6

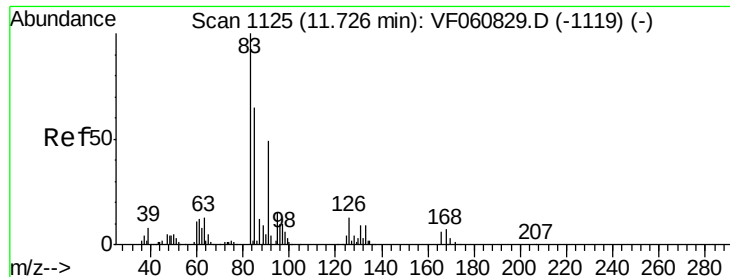
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 23.007 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.03 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Instrument :

MSVOA_F

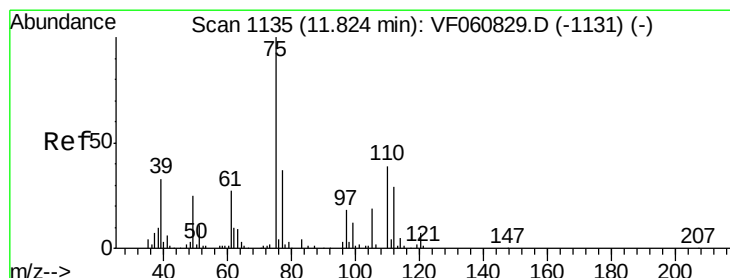
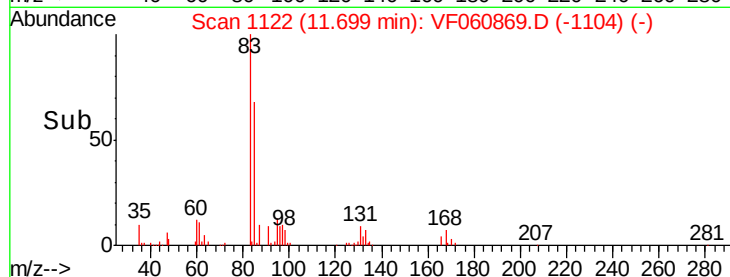
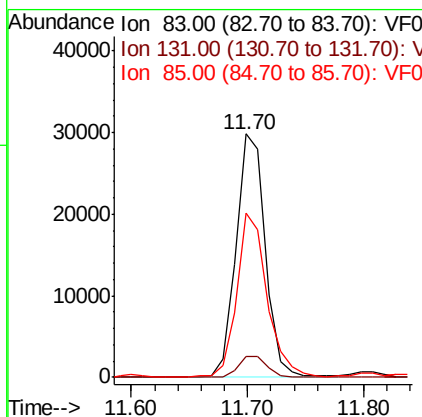
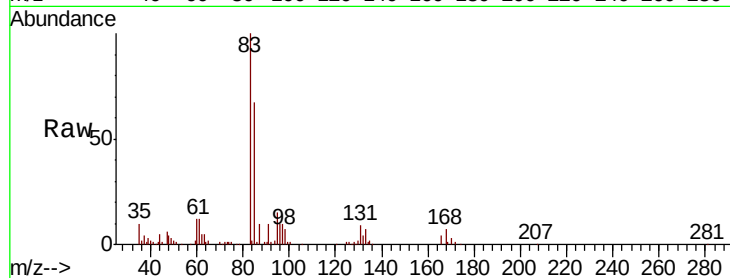
ClientSampleId :

VF1129SBS01

Tot Ion:	83	Resp:	51816
Ion Ratio	Lower	Upper	
83	100		
131	8.5	4.7	14.1
85	67.5	32.6	97.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.986 ug/l

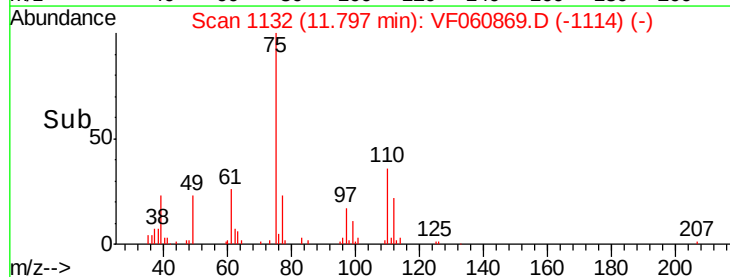
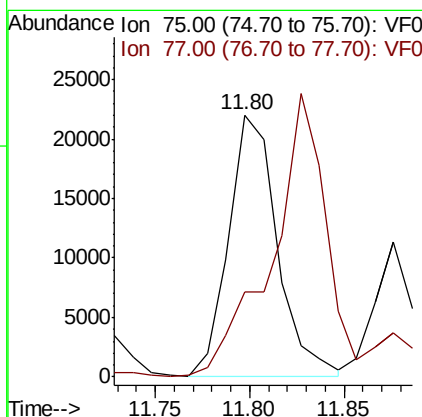
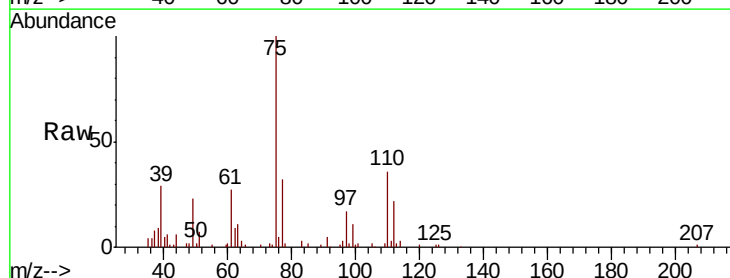
RT: 11.80 min Scan# 1132

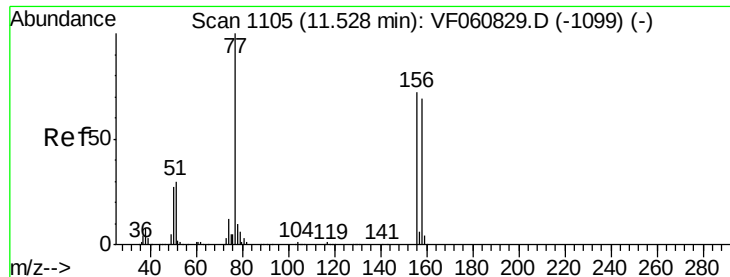
Delta R.T. -0.03 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Tgt Ion:	75	Resp:	39266
Ion Ratio	Lower	Upper	
75	100		
77	32.3	18.4	55.4





#77

Bromobenzene

Concen: 20.702 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. -0.03 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Instrument :

MSVOA_F

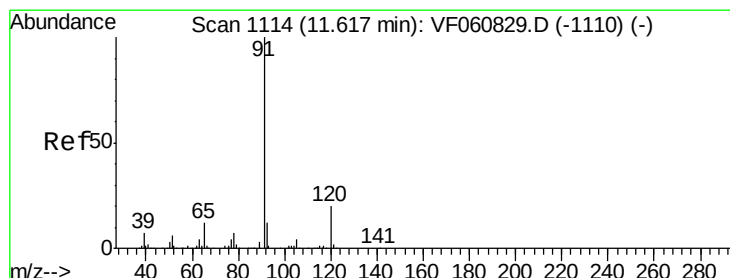
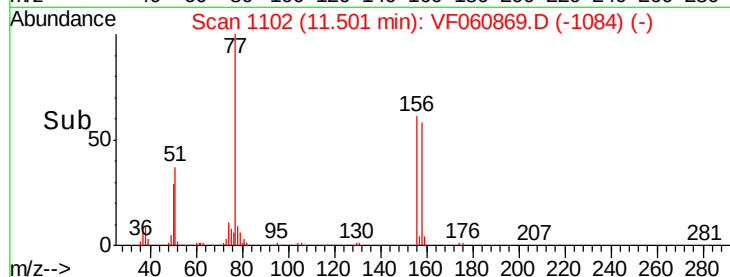
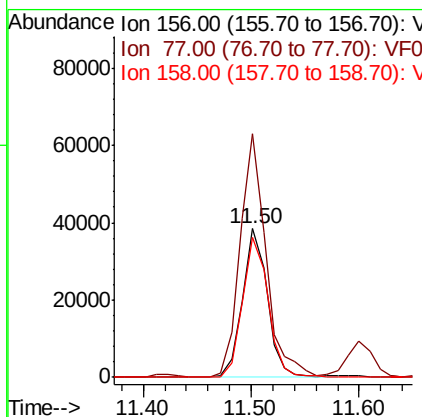
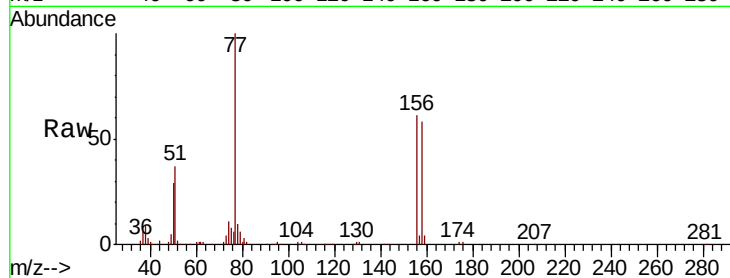
ClientSampleId :

VF1129SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	163.8	69.7	209.0	
158	94.2	47.8	143.4	

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#78

n-propylbenzene

Concen: 21.773 ug/l

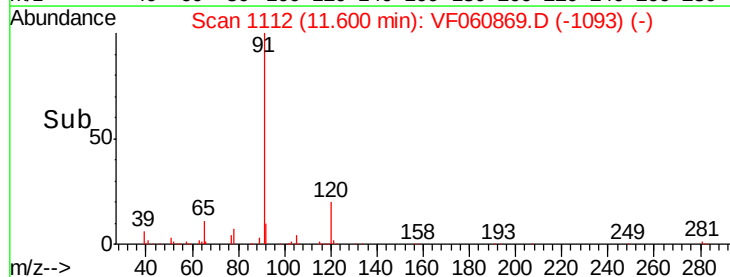
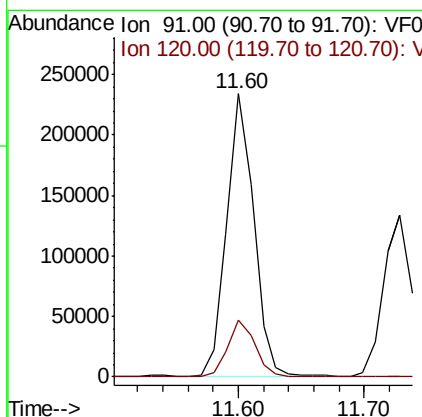
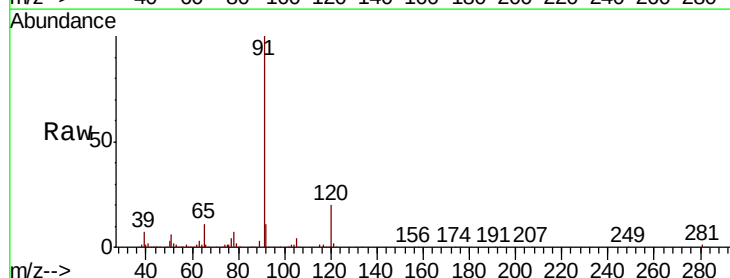
RT: 11.60 min Scan# 1112

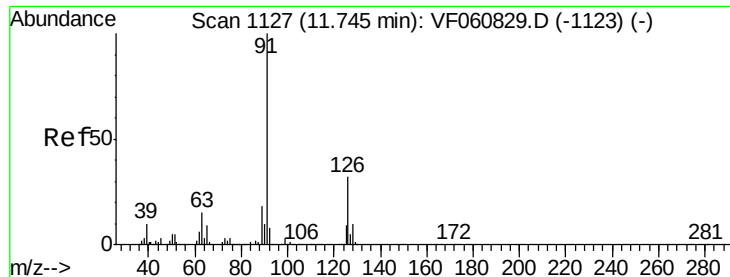
Delta R.T. -0.02 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	20.1	10.3	30.8	





#79

2-Chlorotoluene

Concen: 22.941 ug/l

RT: 11.73 min Scan# 1125

Delta R.T. -0.02 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Instrument :

MSVOA_F

ClientSampleId :

VF1129SBS01

Tot Ion: 91 Resp: 210800

Ion Ratio Lower Upper

91 100

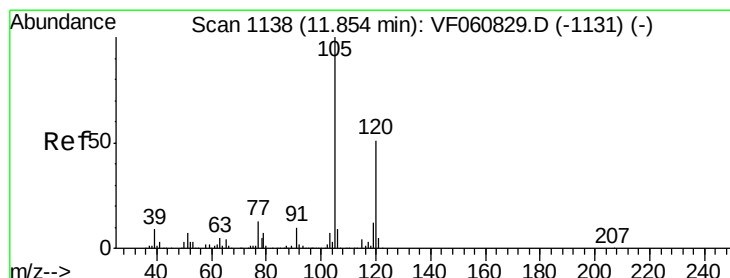
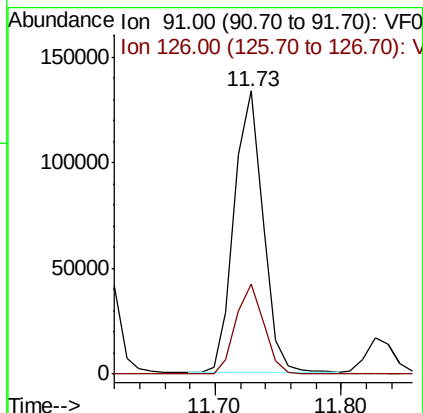
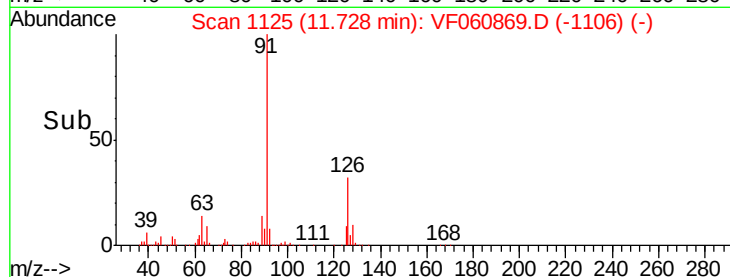
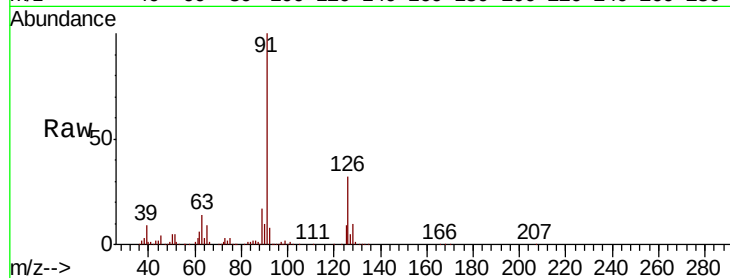
126 31.7 15.9 47.6

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#80

1,3,5-Trimethylbenzene

Concen: 22.307 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. -0.03 min

Lab File: VF060869.D

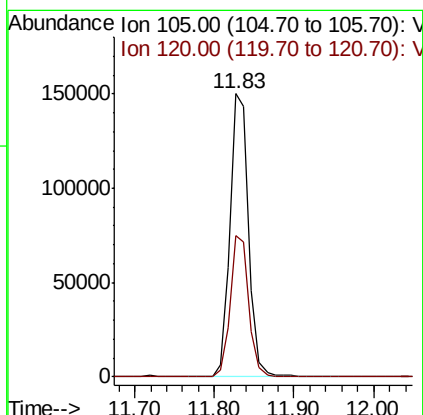
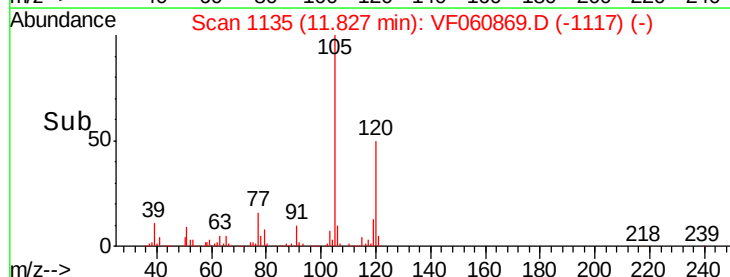
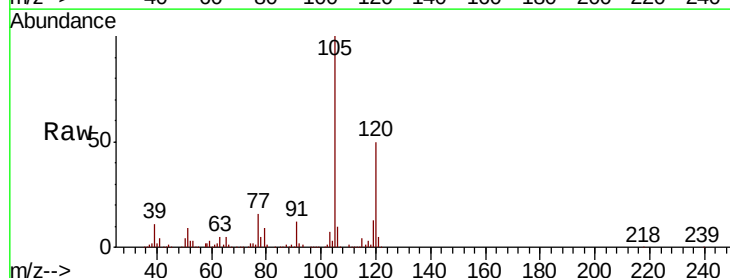
Acq: 29 Nov 2018 16:08

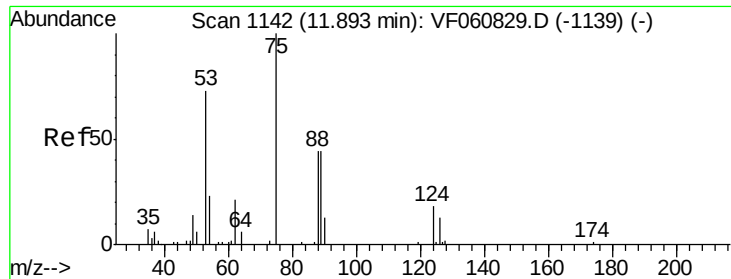
Tgt Ion: 105 Resp: 247818

Ion Ratio Lower Upper

105 100

120 50.1 25.8 77.3





#81

trans-1,4-Dichloro-2-butene

Concen: 21.784 ug/l

RT: 11.88 min Scan# 1140

Delta R.T. -0.02 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Instrument :

MSVOA_F

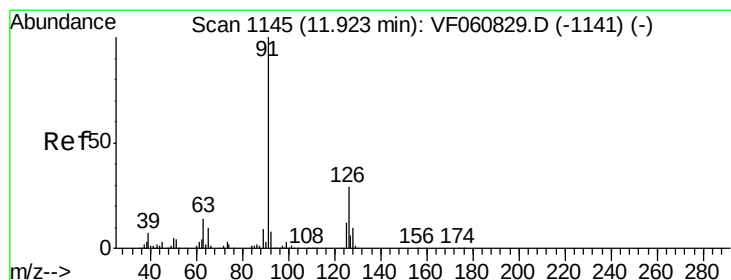
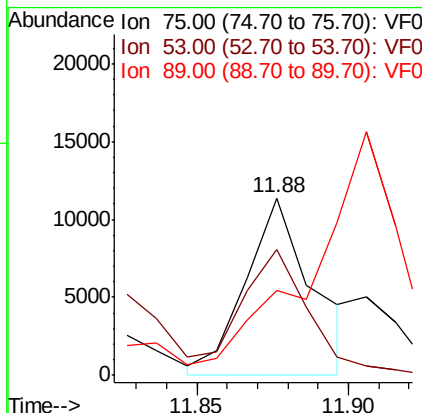
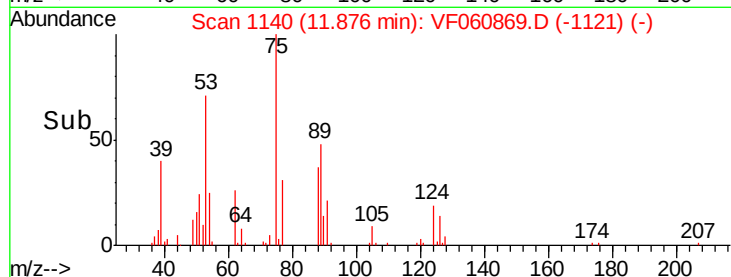
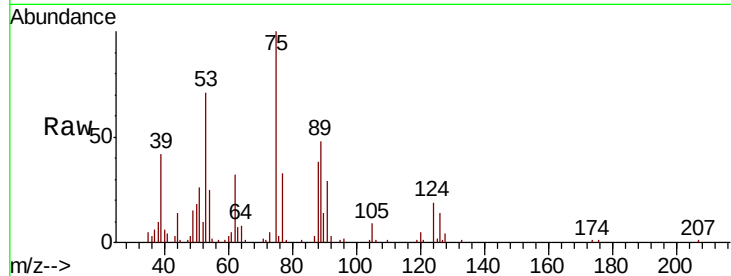
ClientSampleId :

VF1129SBS01

Tot Ion:	75	Resp:	17473
Ion	Ratio	Lower	Upper
75	100		
53	70.7	65.9	98.9
89	47.7	38.8	58.2

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#82

4-Chlorotoluene

Concen: 21.233 ug/l

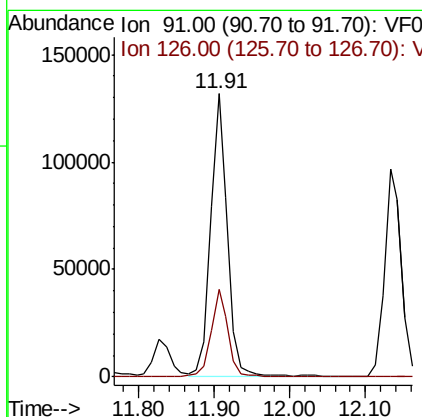
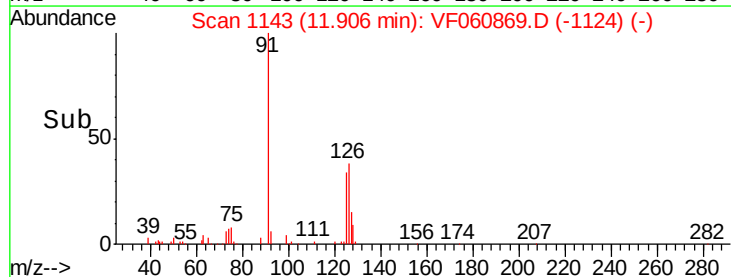
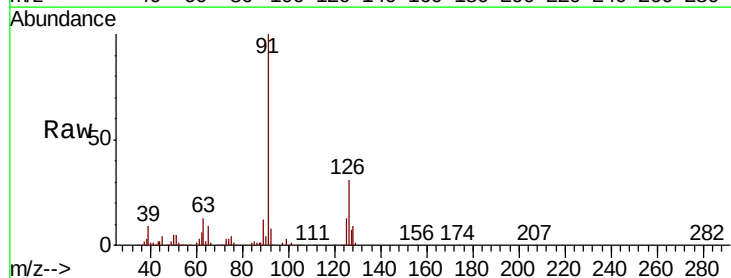
RT: 11.91 min Scan# 1143

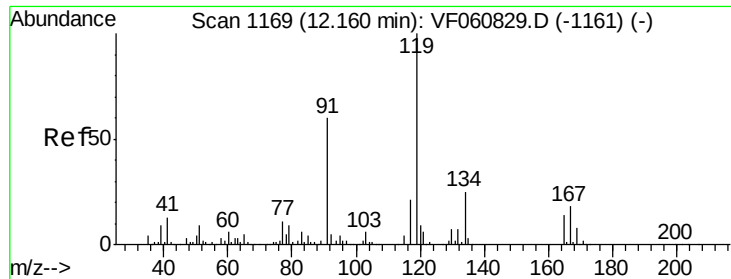
Delta R.T. -0.02 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Tgt Ion:	91	Resp:	205331
Ion	Ratio	Lower	Upper
91	100		
126	30.8	14.8	44.4





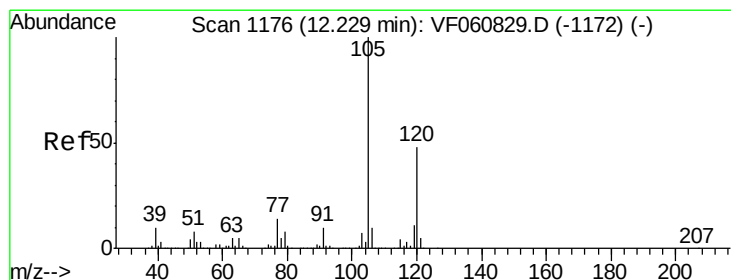
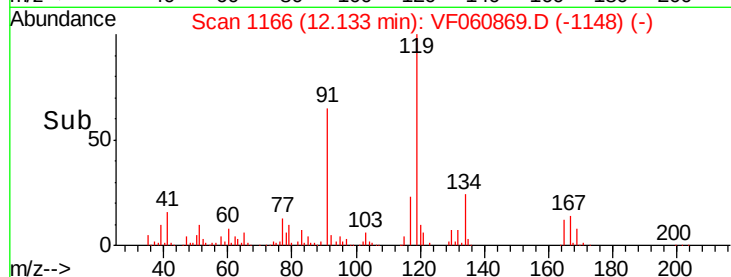
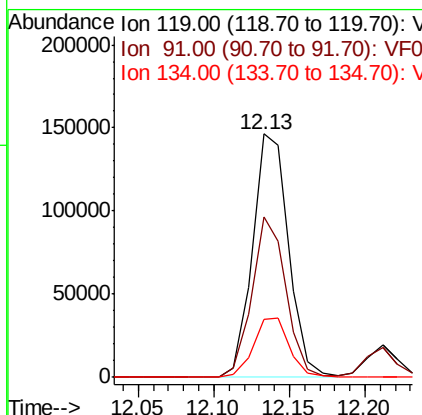
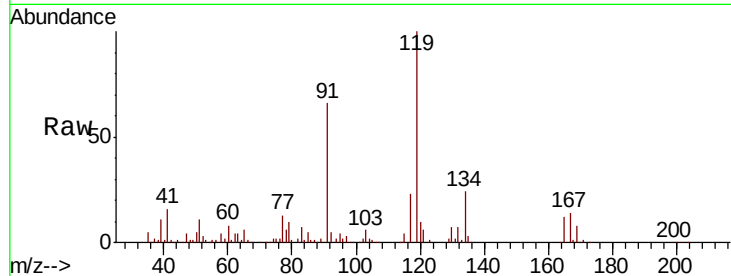
#83
 tert-Butylbenzene
 Concen: 21.517 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. -0.03 min
 Lab File: VF060869.D
 Acq: 29 Nov 2018 16:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1129SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	243495		
91	66.1	30.1	90.3	
134	23.7	12.6	37.8	

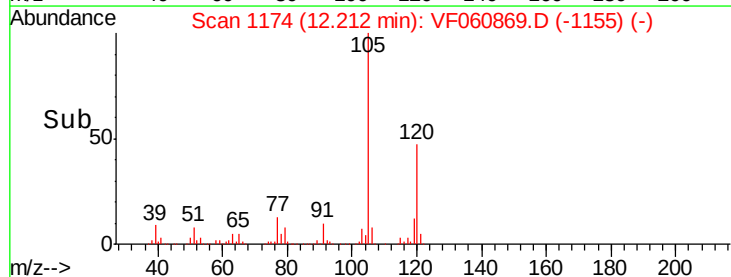
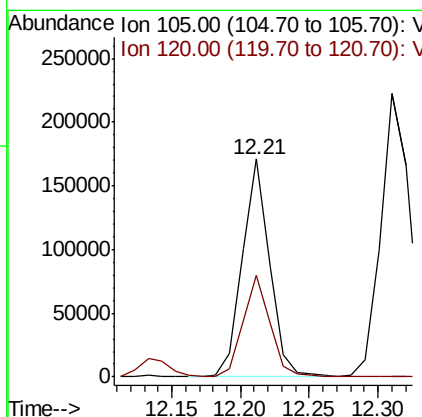
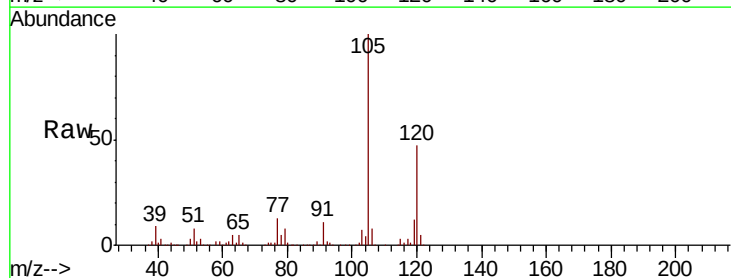
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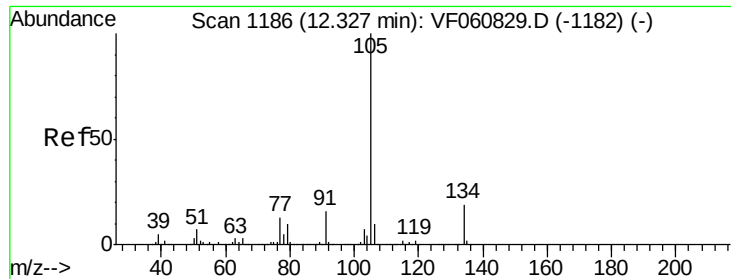
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.434 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.02 min
 Lab File: VF060869.D
 Acq: 29 Nov 2018 16:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	237651		
120	46.7	23.8	71.5	





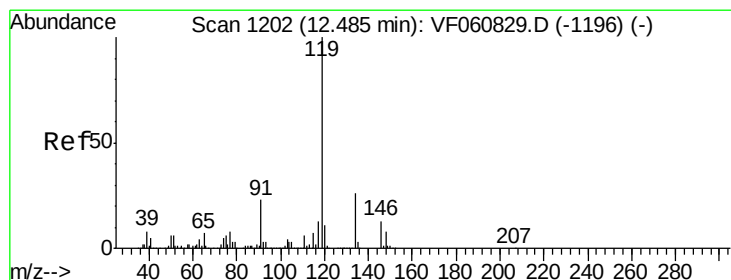
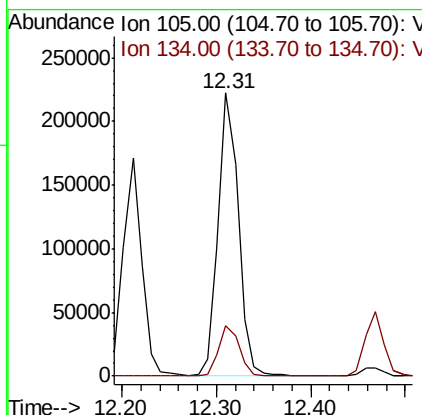
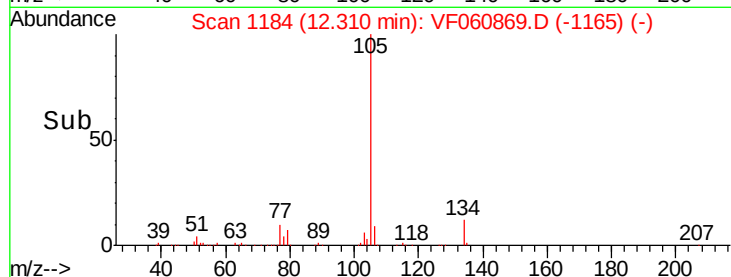
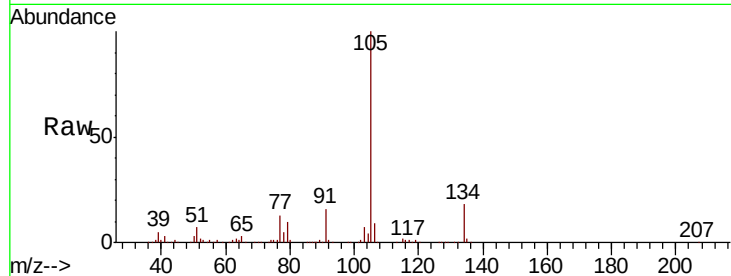
#85
 sec-Butylbenzene
 Concen: 21.366 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: VF060869.D
 Acq: 29 Nov 2018 16:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1129SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	330992		
134	17.6	9.5	28.5	

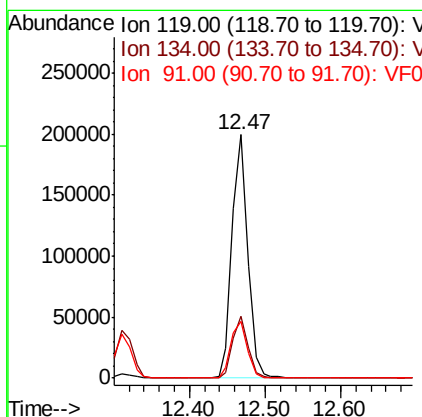
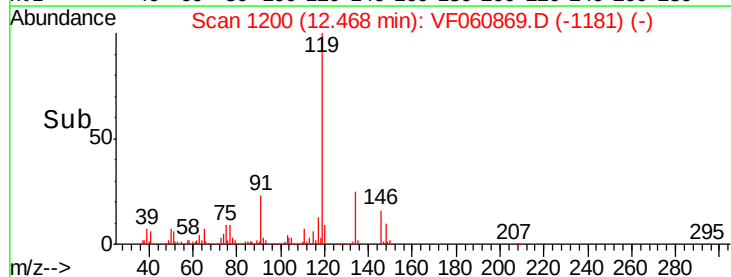
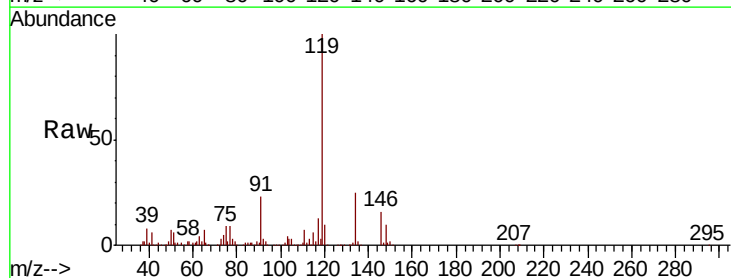
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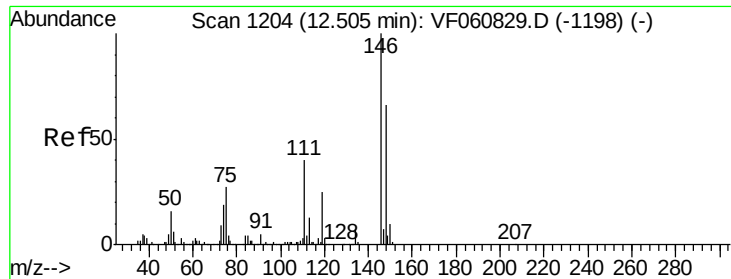
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#86
 p-Isopropyltoluene
 Concen: 21.951 ug/l
 RT: 12.47 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VF060869.D
 Acq: 29 Nov 2018 16:08

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	285098		
134	25.2	12.9	38.6	
91	23.1	11.8	35.3	





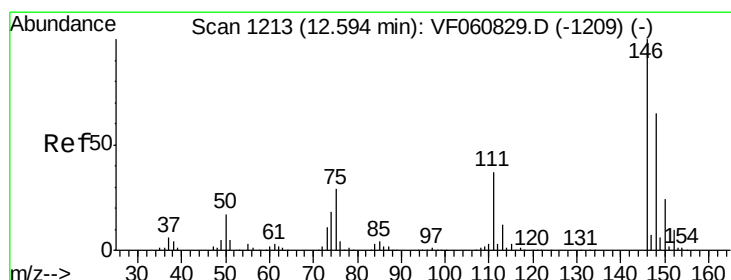
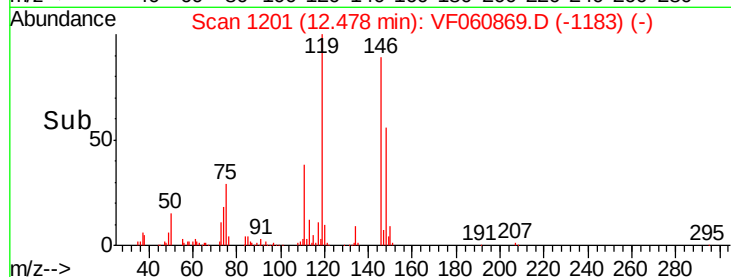
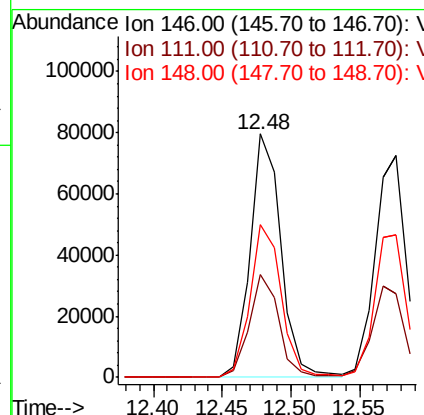
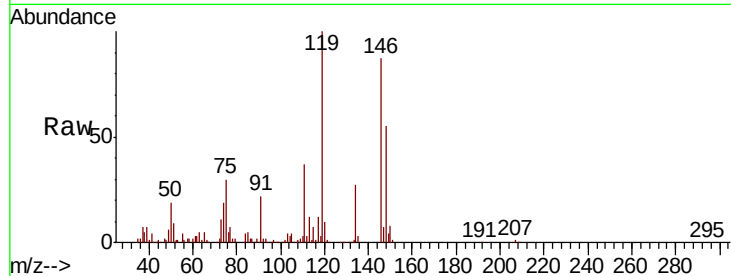
#87
 1,3-Dichlorobenzene
 Concen: 21.891 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. -0.03 min
 Lab File: VF060869.D
 Acq: 29 Nov 2018 16:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1129SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.0	59.9
148	62.8	32.9	98.6

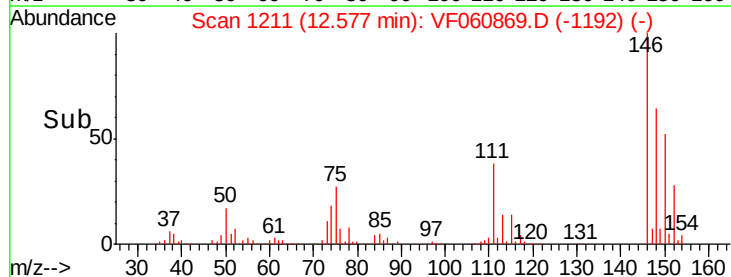
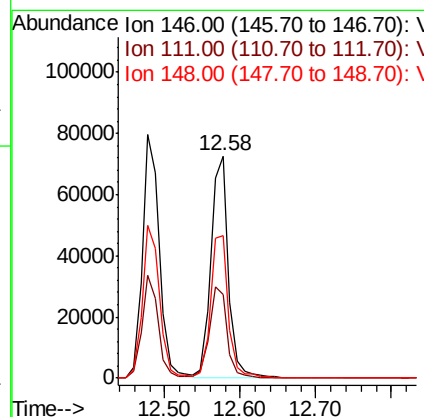
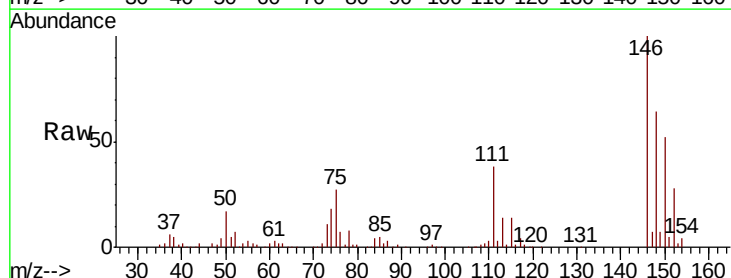
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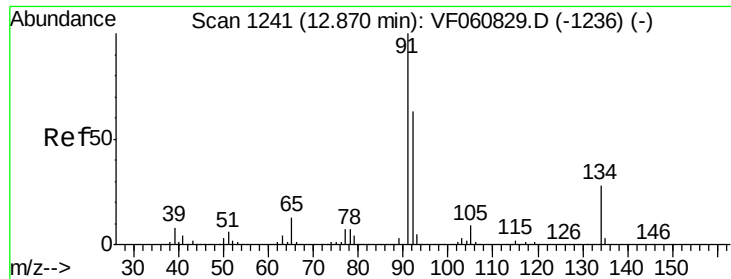
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#88
 1,4-Dichlorobenzene
 Concen: 21.341 ug/l
 RT: 12.58 min Scan# 1211
 Delta R.T. -0.02 min
 Lab File: VF060869.D
 Acq: 29 Nov 2018 16:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.7
148	64.3	32.3	96.9





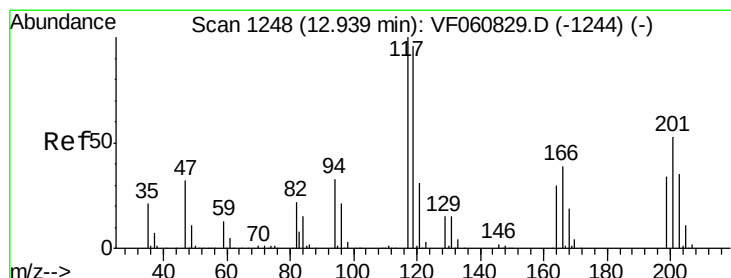
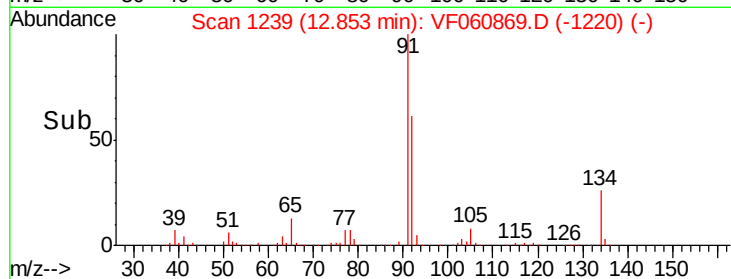
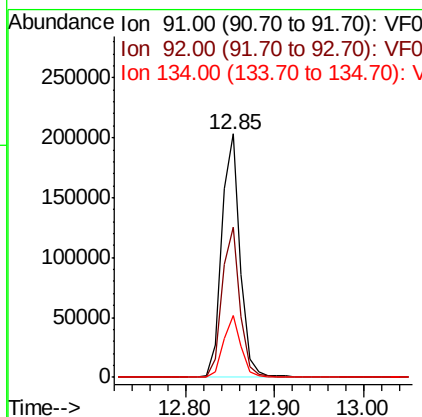
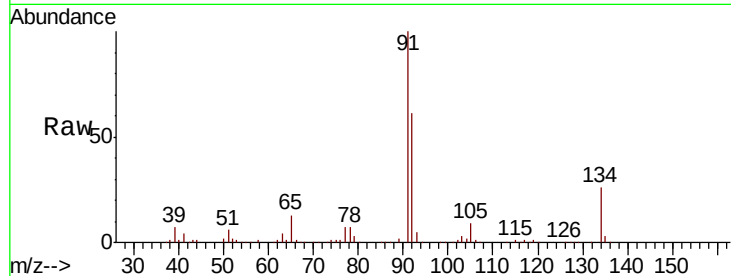
#89
n-Butylbenzene
Concen: 22.536 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. -0.02 min
Lab File: VF060869.D
Acq: 29 Nov 2018 16:08

Instrument :
MSVOA_F
ClientSampleId :
VF1129SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	61.5	31.6	94.7
134	25.6	13.8	41.4

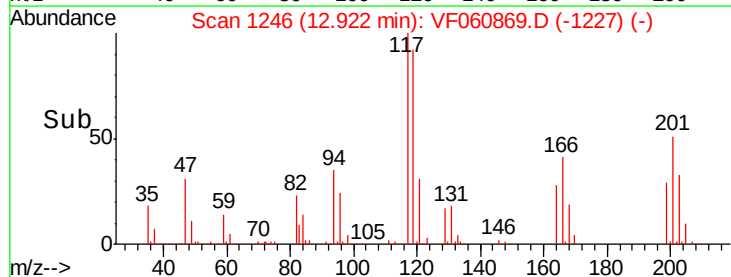
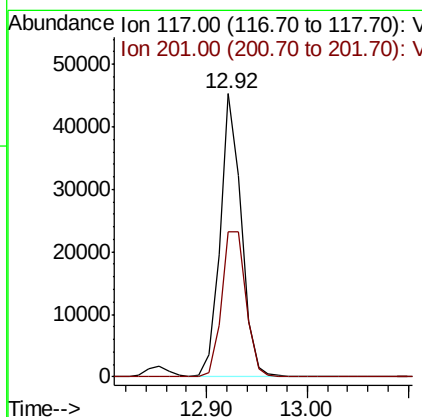
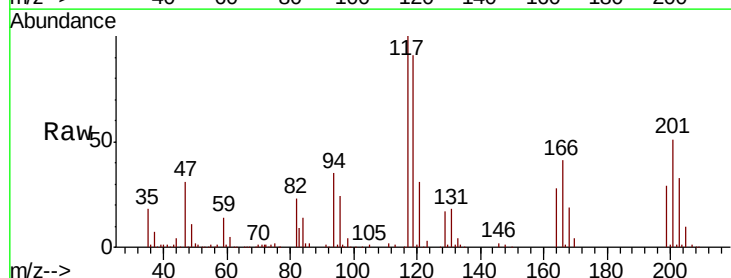
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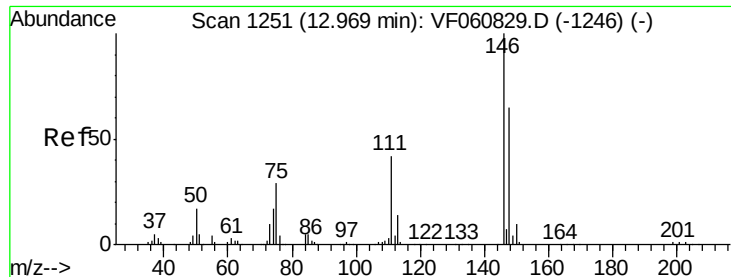
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#90
Hexachloroethane
Concen: 21.239 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. -0.02 min
Lab File: VF060869.D
Acq: 29 Nov 2018 16:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	51.4	26.7	80.1





#91

1,2-Dichlorobenzene

Concen: 21.965 ug/l

RT: 12.95 min Scan# 1249

Delta R.T. -0.02 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Instrument :

MSVOA_F

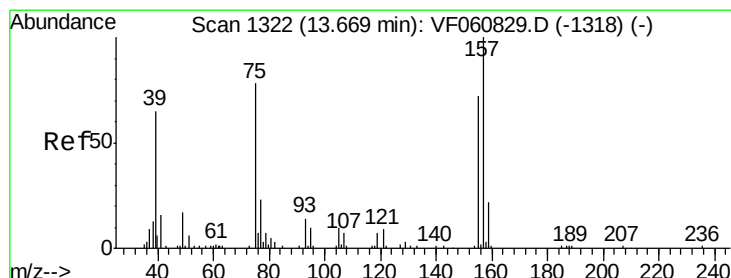
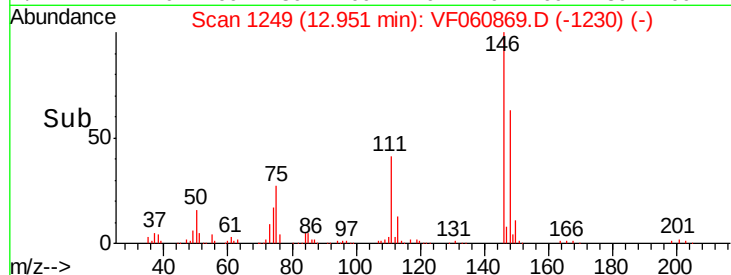
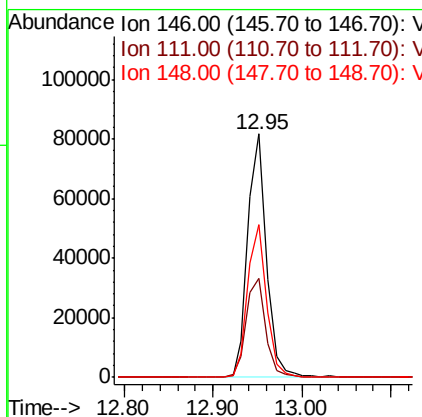
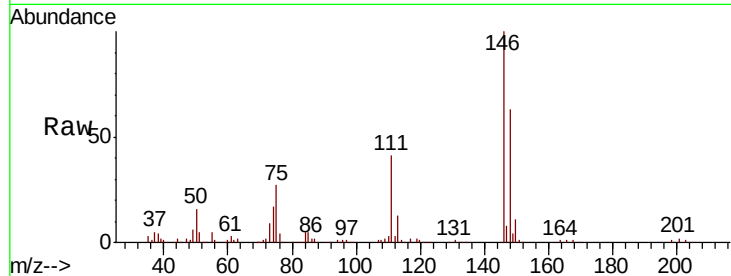
ClientSampleId :

VF1129SBS01

Tot Ion:	146	Resp:	118707
Ion Ratio		Lower	Upper
146	100		
111	40.6	21.2	63.6
148	63.0	32.5	97.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.550 ug/l

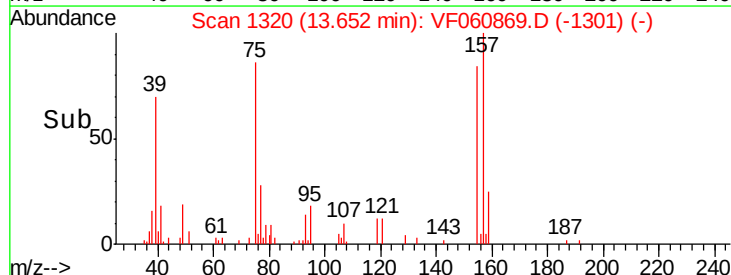
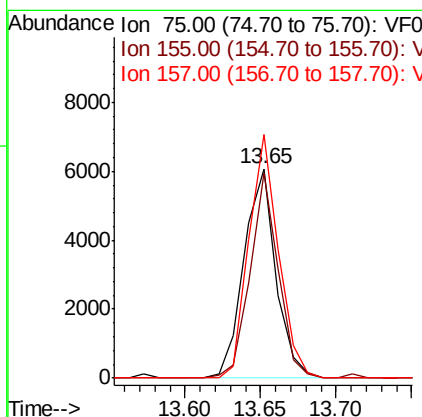
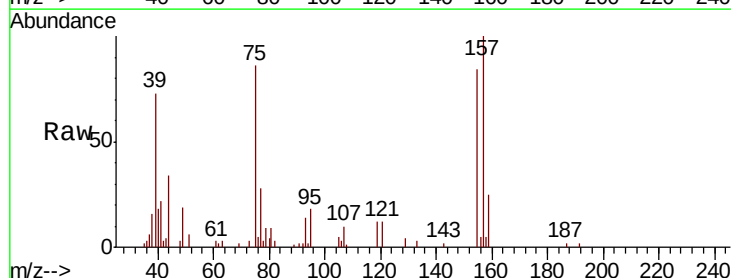
RT: 13.65 min Scan# 1320

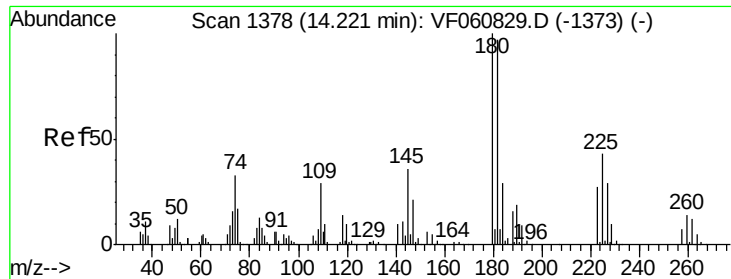
Delta R.T. -0.02 min

Lab File: VF060869.D

Acq: 29 Nov 2018 16:08

Tgt Ion:	75	Resp:	8948
Ion Ratio		Lower	Upper
75	100		
155	97.8	45.6	136.9
157	116.3	63.8	191.5





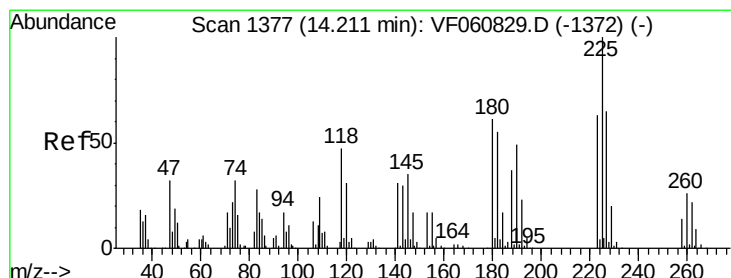
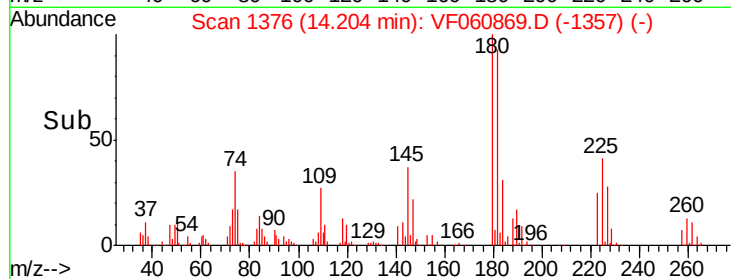
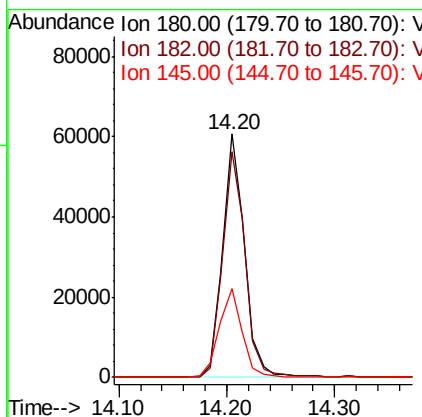
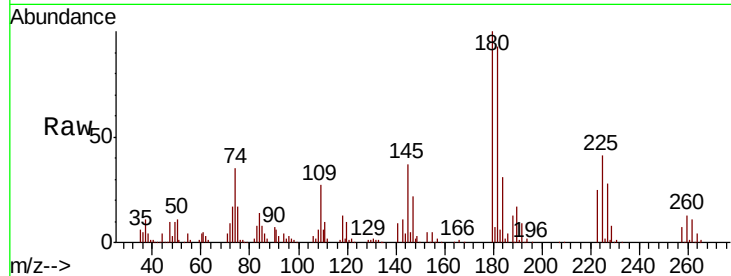
#93
 1,2,4-Trichlorobenzene
 Concen: 22.600 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.02 min
 Lab File: VF060869.D
 Acq: 29 Nov 2018 16:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1129SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.6	48.5	145.5
145	36.6	18.1	54.3

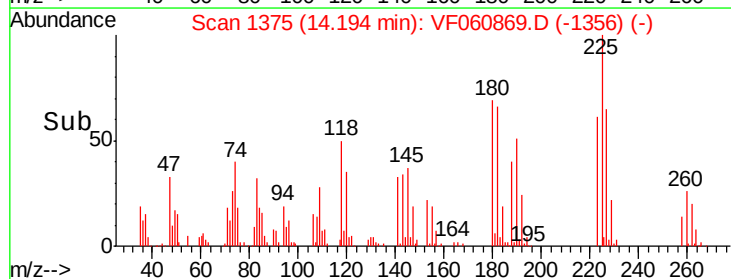
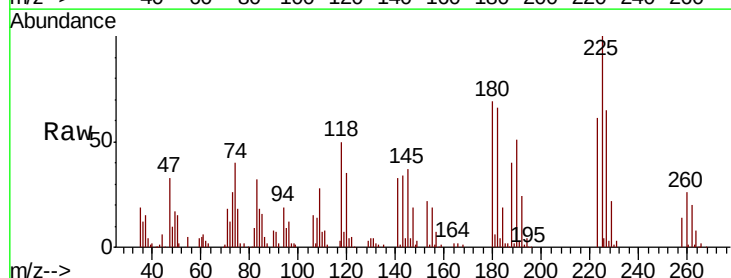
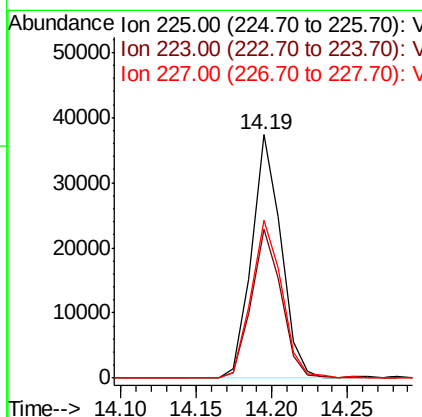
Manual Integrations
 APPROVED

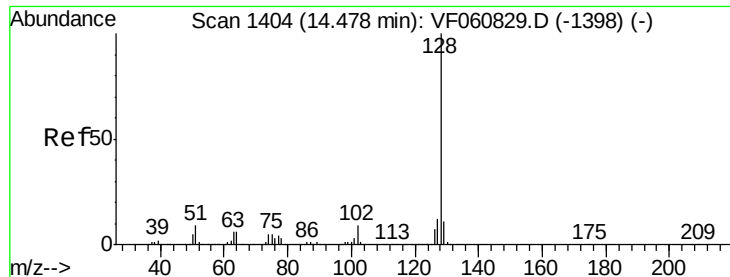
apatel
 12/3/2018 11:58:24 AM



#94
 Hexachlorobutadiene
 Concen: 20.103 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF060869.D
 Acq: 29 Nov 2018 16:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.9	31.4	94.3
227	64.8	32.5	97.5





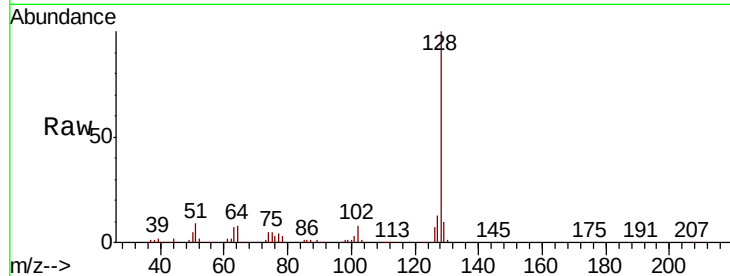
#95
Naphthalene
Concen: 19.730 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.02 min
Lab File: VF060869.D
Acq: 29 Nov 2018 16:08

Instrument :
MSVOA_F
ClientSampleId :
VF1129SBS01

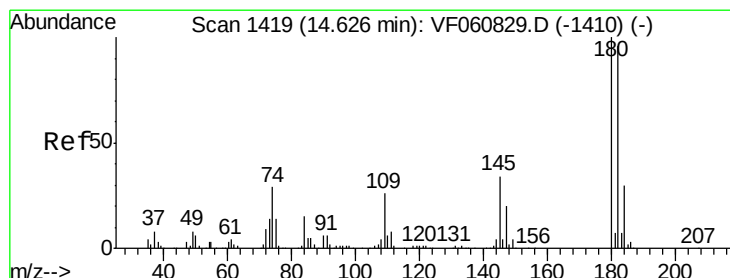
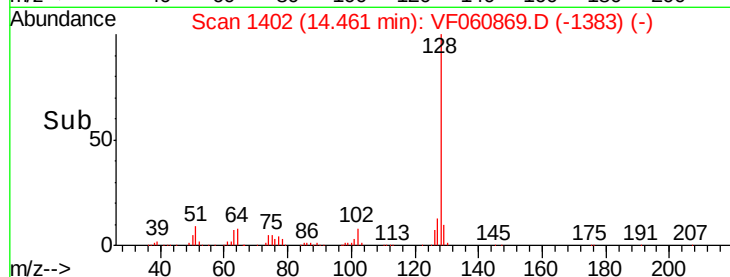
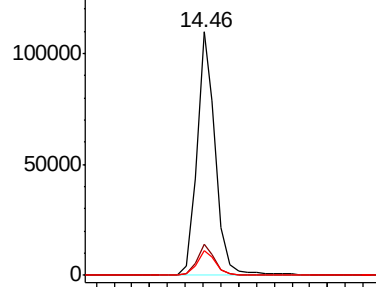
Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	9.9	14.9
129	10.4	9.1	13.7

Manual Integrations
APPROVED

apatel
12/3/2018 11:58:24 AM

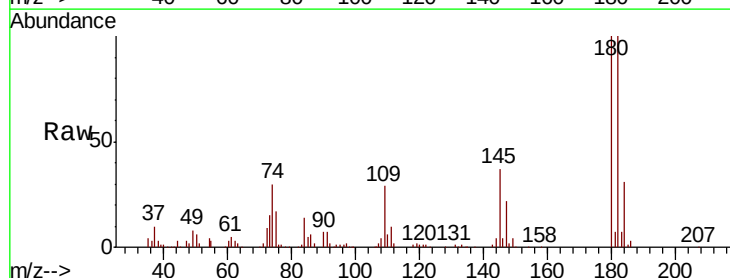


Abundance Ion 128.00 (127.70 to 128.70): V
150000
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 22.216 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. -0.02 min
Lab File: VF060869.D
Acq: 29 Nov 2018 16:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.7	47.9	143.8
145	36.6	17.2	51.5



Abundance Ion 180.00 (179.70 to 180.70): V
60000
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

