

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112918\
 Data File : VF060868.D
 Acq On : 29 Nov 2018 15:39
 Operator : VA/AP
 Sample : VF1129SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1129SBS01

Manual Integrations
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apatel
 12/3/2018 11:58:20 AM

Quant Time: Nov 30 06:14:16 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	209685	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.61	114	343525	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.78	117	308602	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	172625	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	129743	52.52	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	105.04%	
35) Dibromofluoromethane	4.12	113	142924	52.44	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	104.88%	
50) Toluene-d8	7.56	98	382931	47.70	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	95.40%	
62) 4-Bromofluorobenzene	11.42	95	181242	49.68	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	99.36%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	73395	23.410	ug/l	99
3) Chloromethane	1.10	50	48619	23.831	ug/l	96
4) Vinyl Chloride	1.15	62	45540	23.931	ug/l	96
5) Bromomethane	1.33	94	29557	22.027	ug/l	87
6) Chloroethane	1.39	64	19196	23.336	ug/l	97
7) Trichlorofluoromethane	1.50	101	93154	22.815	ug/l	90
8) Diethyl Ether	1.63	74	12658	21.559	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.83	101	45149	21.873	ug/l	95
10) Methyl Iodide	1.91	142	73488m	23.422	ug/l	
11) Tert butyl alcohol	2.57	59	12229	120.771	ug/l	99
12) 1,1-Dichloroethene	1.79	96	35819	21.574	ug/l	96
13) Acrolein	2.00	56	11148m	116.199	ug/l	
14) Allyl chloride	2.10	41	58512	28.275	ug/l	96
15) Acrylonitrile	2.95	53	23907	105.312	ug/l	92
16) Acetone	2.25	43	56591	124.236	ug/l	93
17) Carbon Disulfide	1.80	76	102053	22.924	ug/l	97
18) Methyl Acetate	2.35	43	21132	26.889	ug/l	97
19) Methyl tert-butyl Ether	2.43	73	78349	20.952	ug/l	95
20) Methylene Chloride	2.19	84	38438m	23.002	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	38317	23.938	ug/l	94
22) Diisopropyl ether	2.80	45	130349	23.141	ug/l	93
23) Vinyl Acetate	3.19	43	287009	111.466	ug/l	98
24) 1,1-Dichloroethane	2.88	63	76941	22.958	ug/l	99
25) 2-Butanone	4.34	43	87878	111.538	ug/l	99
26) 2,2-Dichloropropane	3.61	77	48678	22.404	ug/l	99
27) cis-1,2-Dichloroethene	3.48	96	54493	20.911	ug/l	95
28) Bromochloromethane	3.73	49	35523	22.086	ug/l	100
29) Tetrahydrofuran	4.08	42	33276	99.638	ug/l	95
30) Chloroform	3.86	83	109224	21.176	ug/l	98
31) Cyclohexane	3.71	56	78695	22.626	ug/l	93
32) 1,1,1-Trichloroethane	4.09	97	68795m	19.232	ug/l	
36) 1,1-Dichloropropene	4.29	75	82513	21.655	ug/l	95
37) Ethyl Acetate	4.11	43	32707	21.123	ug/l #	70
38) Carbon Tetrachloride	3.99	117	67408	20.030	ug/l	91

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.46	83	86881	21.758	ug/l	93
40) Benzene	4.64	78	188781	22.427	ug/l	100
41) Methacrylonitrile	4.76	41	17368	19.281	ug/l #	90
42) 1,2-Dichloroethane	4.95	62	62836	20.447	ug/l	99
43) Isopropyl Acetate	6.96	43	38648	18.518	ug/l #	94
44) Trichloroethene	5.51	130	56230	20.430	ug/l	99
45) 1,2-Dichloropropane	6.24	63	45355	20.746	ug/l	97
46) Dibromomethane	6.09	93	31751	21.410	ug/l	94
47) Bromodichloromethane	6.39	83	80430	20.419	ug/l	93
48) Methyl methacrylate	6.72	41	26599	18.978	ug/l	94
49) 1,4-Dioxane	6.72	88	4416	430.510	ug/l #	75
51) 4-Methyl-2-Pentanone	8.27	43	135322	94.772	ug/l	95
52) Toluene	7.63	92	113533	19.202	ug/l	97
53) t-1,3-Dichloropropene	8.28	75	63145	19.708	ug/l	91
54) cis-1,3-Dichloropropene	7.31	75	83439	21.036	ug/l	98
55) 1,1,2-Trichloroethane	8.50	97	34195	19.848	ug/l	95
56) Ethyl methacrylate	8.63	69	36013	18.817	ug/l	96
57) 1,3-Dichloropropane	8.86	76	62406	20.704	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.31	63	15991	81.685	ug/l #	84
59) 2-Hexanone	9.50	43	105827	105.644	ug/l	96
60) Dibromochloromethane	8.73	129	50257	19.578	ug/l	93
61) 1,2-Dibromoethane	8.99	107	35500	19.074	ug/l	94
64) Tetrachloroethene	8.16	164	52382	22.223	ug/l	96
65) Chlorobenzene	9.80	112	129155	21.513	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.94	131	54598	21.155	ug/l	98
67) Ethyl Benzene	9.91	91	242418	21.690	ug/l	98
68) m/p-Xylenes	10.14	106	181770	45.219	ug/l	95
69) o-Xylene	10.72	106	96611	21.795	ug/l	96
70) Styrene	10.80	104	128656	20.938	ug/l	97
71) Bromoform	10.78	173	24786	19.882	ug/l	99
73) Isopropylbenzene	11.13	105	290653	21.306	ug/l	98
74) N-amyl acetate	11.38	43	64747	20.554	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.71	83	48494	21.600	ug/l	98
76) 1,2,3-Trichloropropane	11.79	75	34131	20.915	ug/l	87
77) Bromobenzene	11.50	156	62619	20.937	ug/l	82
78) n-propylbenzene	11.60	91	342627	21.447	ug/l	98
79) 2-Chlorotoluene	11.72	91	206378	22.530	ug/l	99
80) 1,3,5-Trimethylbenzene	11.83	105	238575	21.543	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	15805m	19.767	ug/l	
82) 4-Chlorotoluene	11.90	91	198571	20.599	ug/l	97
83) tert-Butylbenzene	12.14	119	246293	21.833	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	243292	22.012	ug/l	97
85) sec-Butylbenzene	12.31	105	330883	21.426	ug/l	100
86) p-Isopropyltoluene	12.46	119	280333	21.652	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	120346	21.154	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	109627	19.774	ug/l	95
89) n-Butylbenzene	12.85	91	288521	22.038	ug/l	97
90) Hexachloroethane	12.92	117	63412	20.339	ug/l	95
91) 1,2-Dichlorobenzene	12.95	146	111477	20.692	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.65	75	8277	19.068	ug/l	89

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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)
93) 1,2,4-Trichlorobenzene	14.20	180	80696	21.437	ug/l	98
94) Hexachlorobutadiene	14.19	225	51306	20.446	ug/l	98
95) Naphthalene	14.46	128	143012	17.285	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	71707	20.516	ug/l	97

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

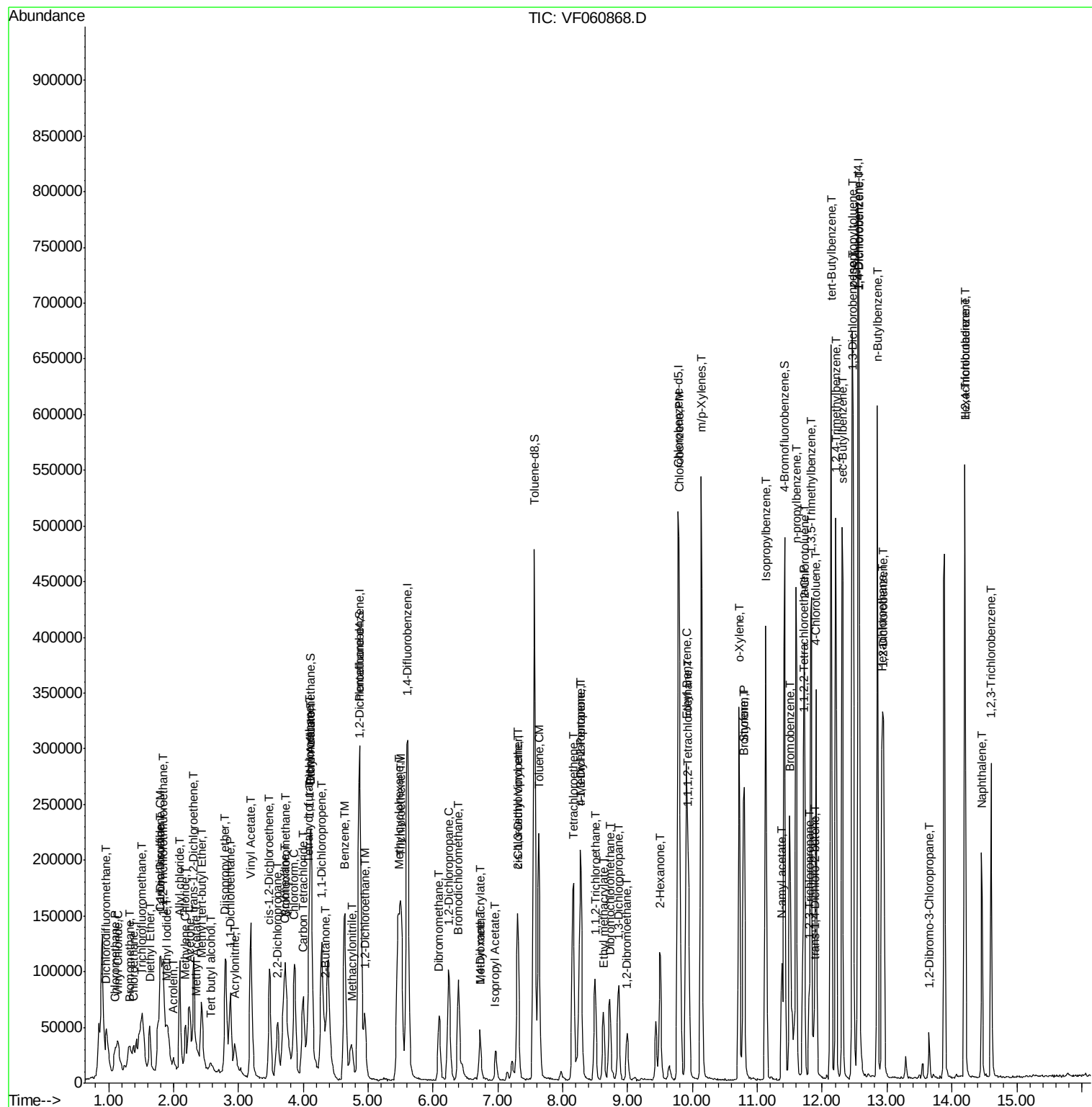
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF112918\
 Data File : VF060868.D
 Acq On : 29 Nov 2018 15:39
 Operator : VA/AP
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 Misc : 5.00µ/5mL/MSVOA-F/SOIL
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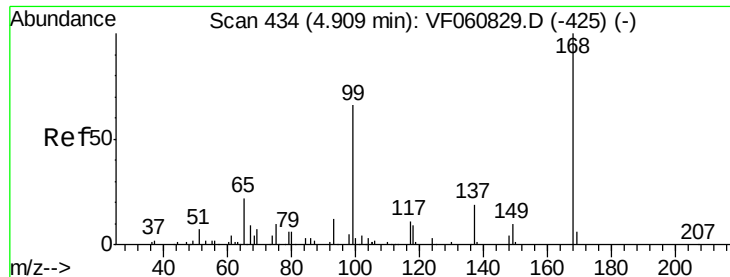
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1129SBS01

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.03 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

VF1129SBS01

Tot Ion:168 Resp: 209685

Ion Ratio Lower Upper

168 100

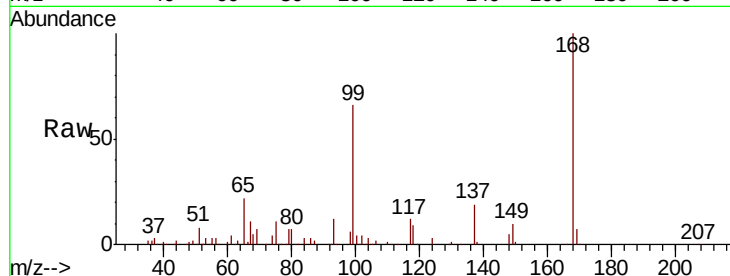
99 66.5 52.6 79.0

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

60000

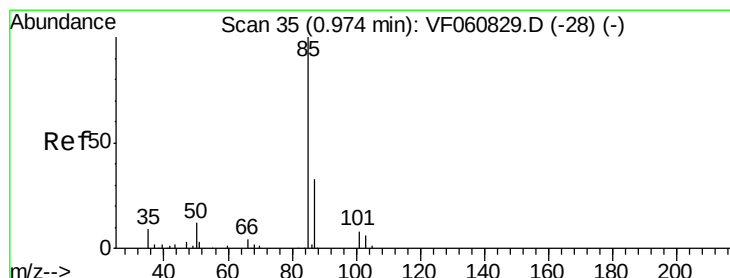
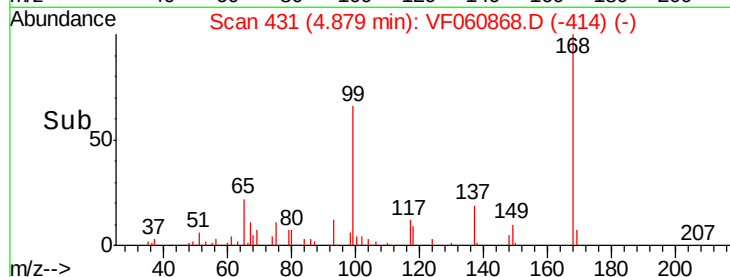
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 23.410 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060868.D

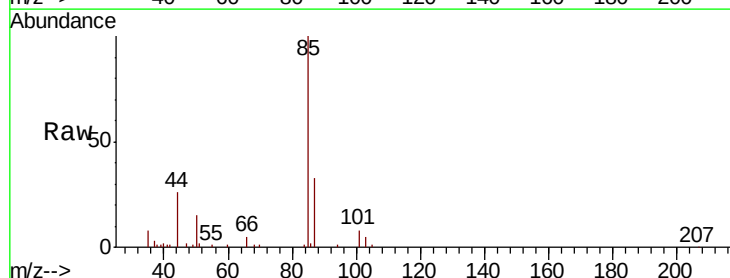
Acq: 29 Nov 2018 15:39

Tgt Ion: 85 Resp: 73395

Ion Ratio Lower Upper

85 100

87 32.6 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

25000

20000

15000

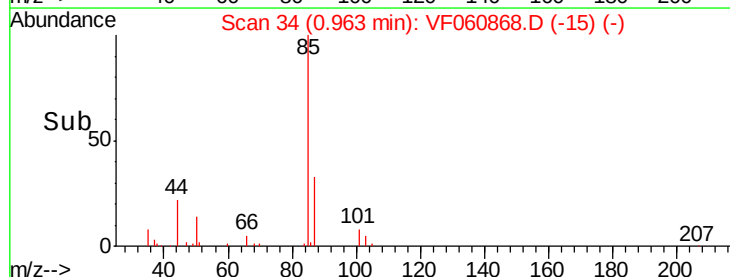
10000

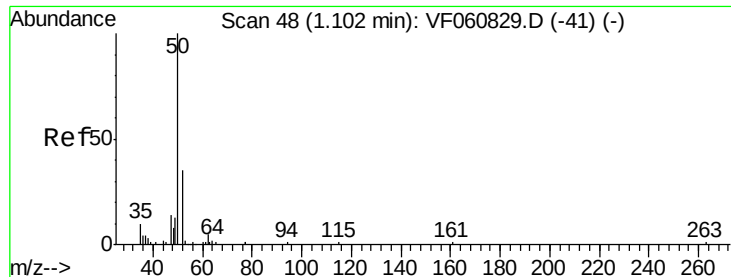
5000

0

0.80 0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 23.831 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

VF1129SBS01

Tot Ion: 50 Resp: 48619

Ion Ratio Lower Upper

50 100

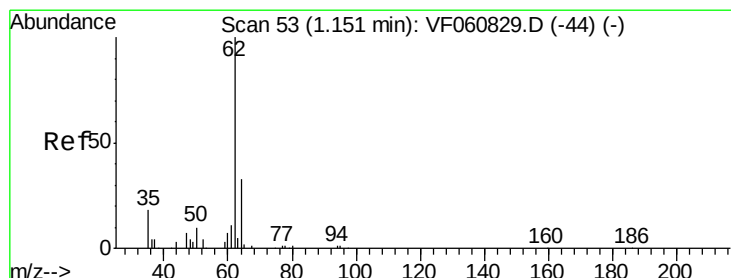
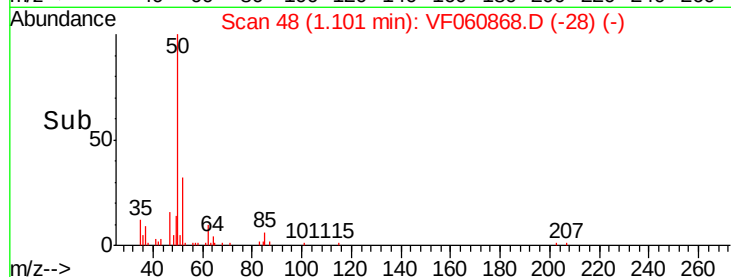
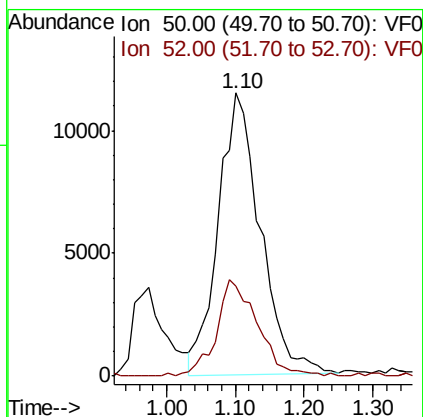
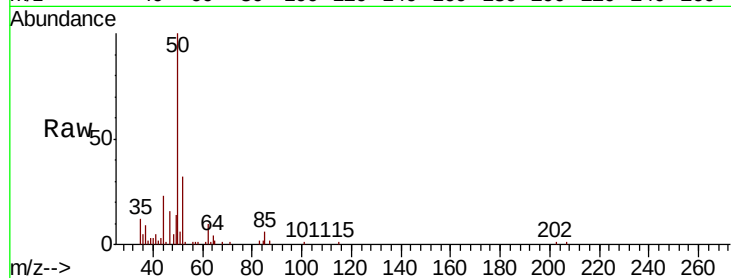
52 31.6 27.0 40.4

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#4

Vinyl Chloride

Concen: 23.931 ug/l

RT: 1.15 min Scan# 53

Delta R.T. -0.00 min

Lab File: VF060868.D

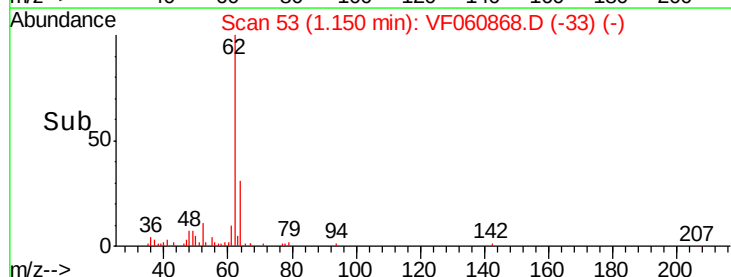
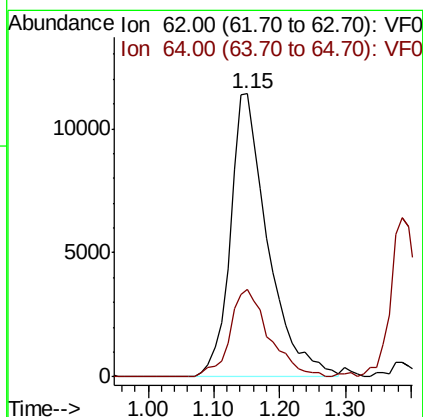
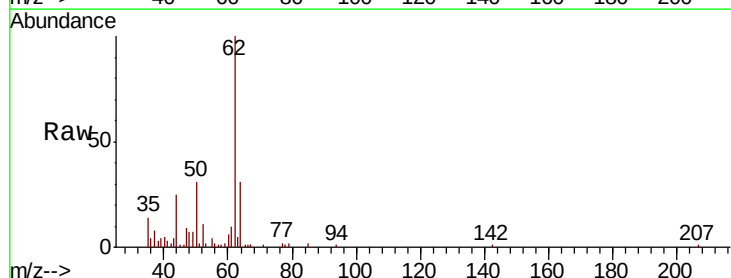
Acq: 29 Nov 2018 15:39

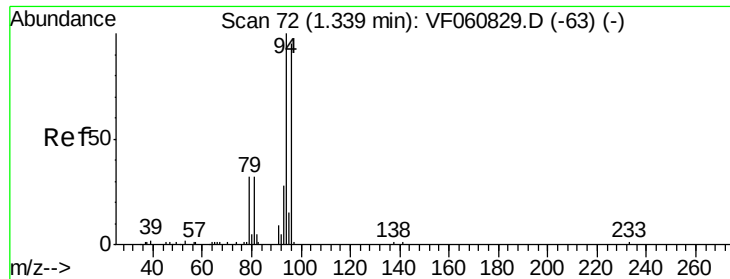
Tgt Ion: 62 Resp: 45540

Ion Ratio Lower Upper

62 100

64 30.9 26.4 39.6





#5

Bromomethane

Concen: 22.027 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

VF1129SBS01

Tot Ion: 94 Resp: 29557

Ion Ratio Lower Upper

94 100

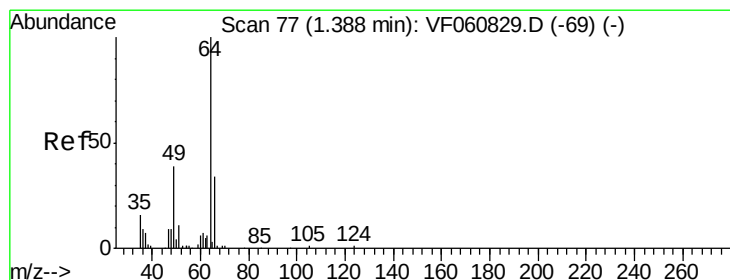
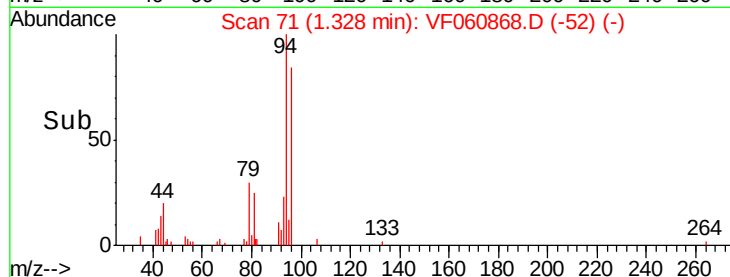
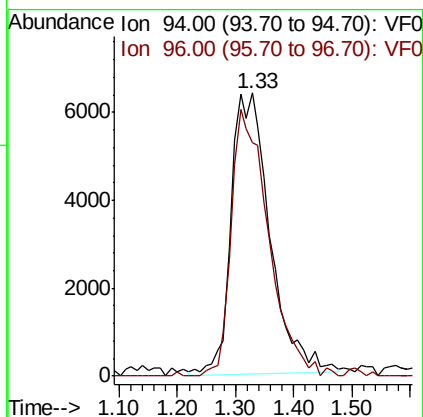
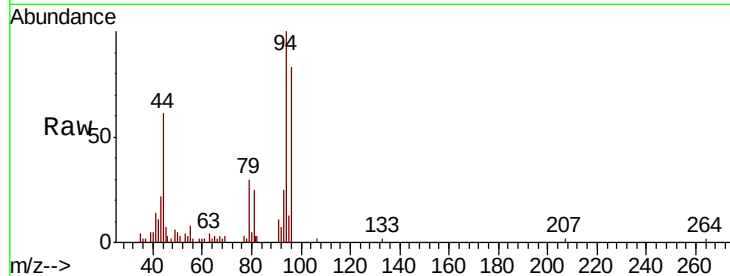
96 82.7 75.9 113.9

Manual Integrations

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#6

Chloroethane

Concen: 23.336 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF060868.D

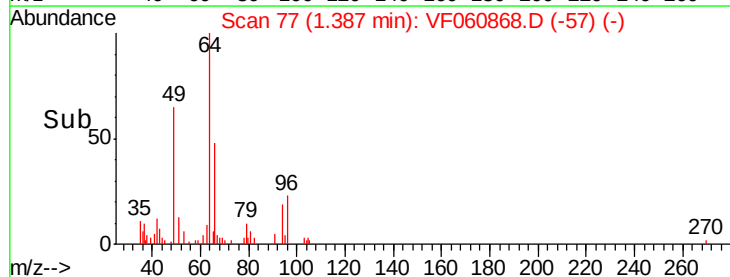
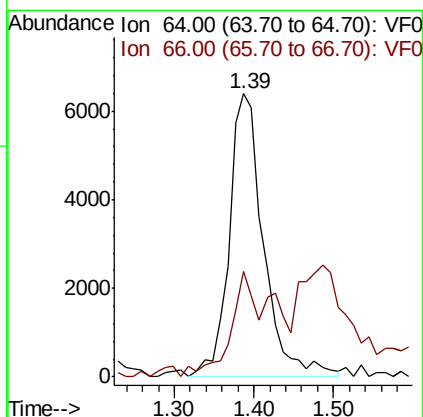
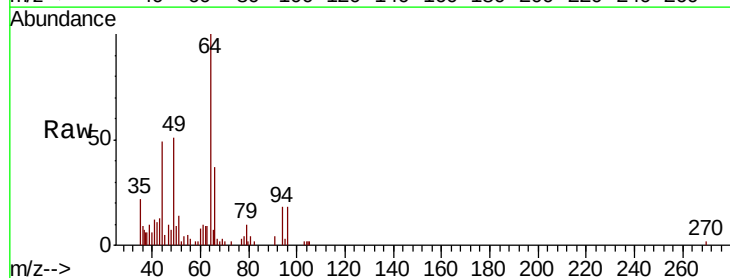
Acq: 29 Nov 2018 15:39

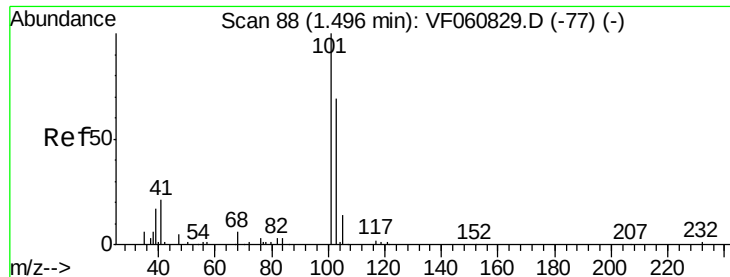
Tgt Ion: 64 Resp: 19196

Ion Ratio Lower Upper

64 100

66 37.1 28.1 42.1





#7

Trichlorofluoromethane

Concen: 22.815 ug/l

RT: 1.50 min Scan# 88

Delta R.T. -0.00 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

VF1129SBS01

Tot Ion:101 Resp: 93154

Ion Ratio Lower Upper

101 100

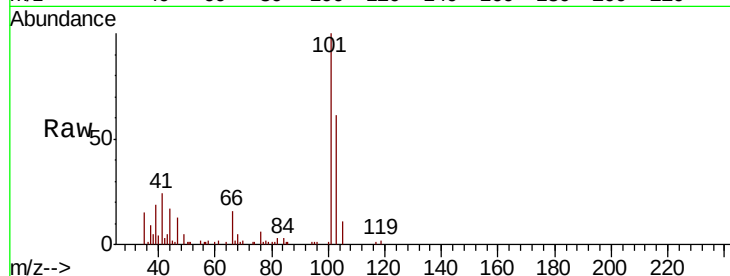
103 61.3 55.4 83.0

Manual Integrations

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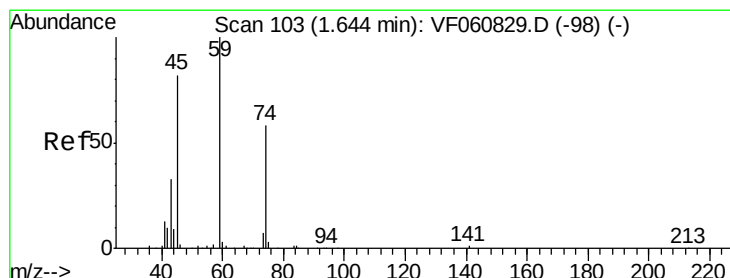
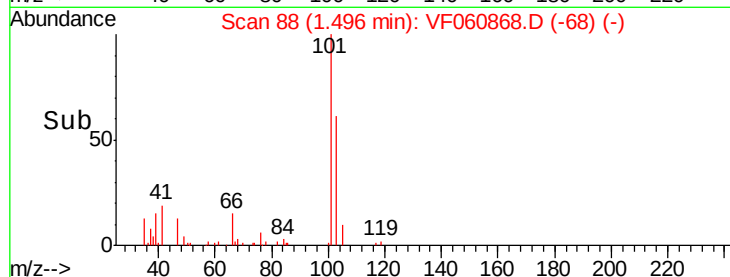
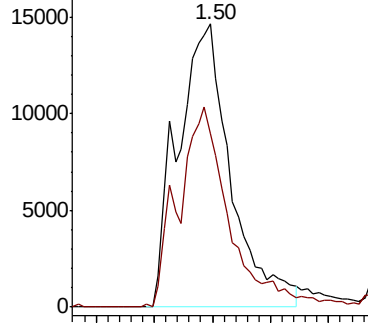
apatel

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 21.559 ug/l

RT: 1.63 min Scan# 102

Delta R.T. -0.01 min

Lab File: VF060868.D

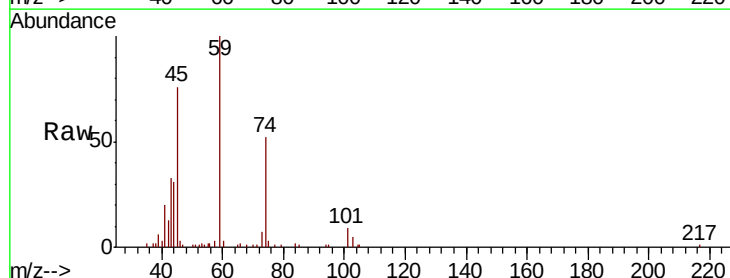
Acq: 29 Nov 2018 15:39

Tgt Ion: 74 Resp: 12658

Ion Ratio Lower Upper

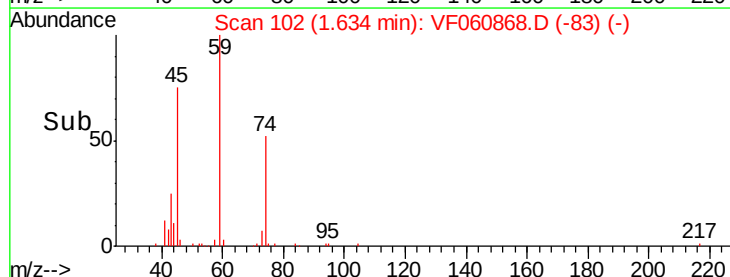
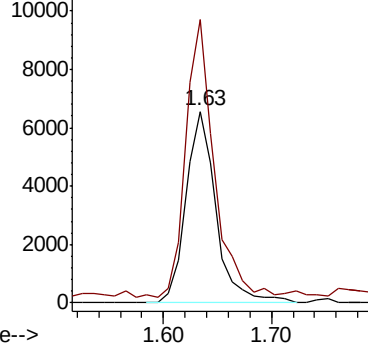
74 100

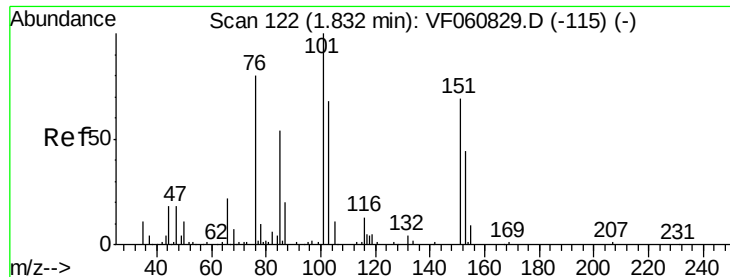
45 147.6 71.0 212.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.873 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.00 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

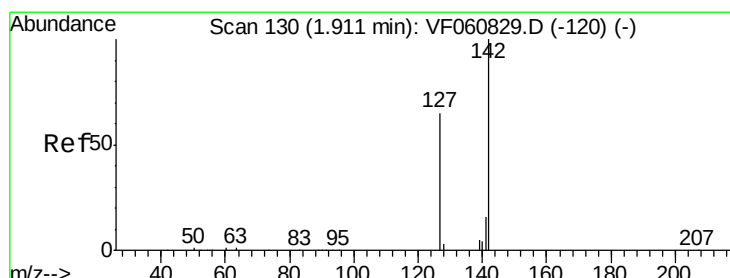
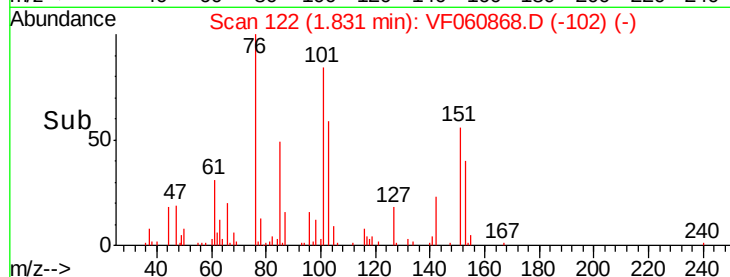
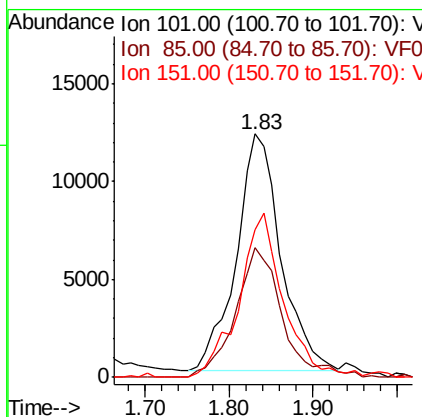
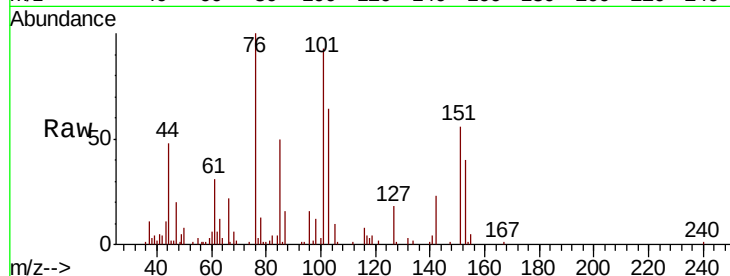
ClientSampleId :

VF1129SBS01

Tot Ion:	101	Resp:	45149
Ion Ratio	Lower	Upper	
101	100		
85	53.5	42.8	64.2
151	60.5	54.4	81.6

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#10

Methyl Iodide

Concen: 23.422 ug/l m

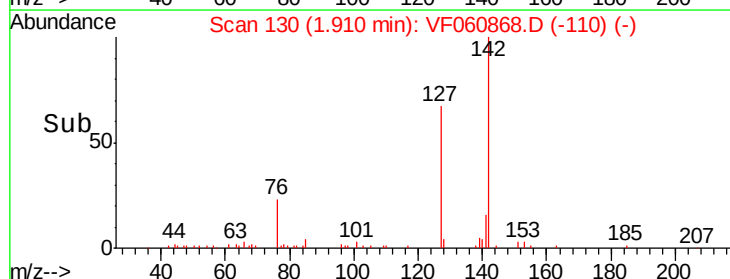
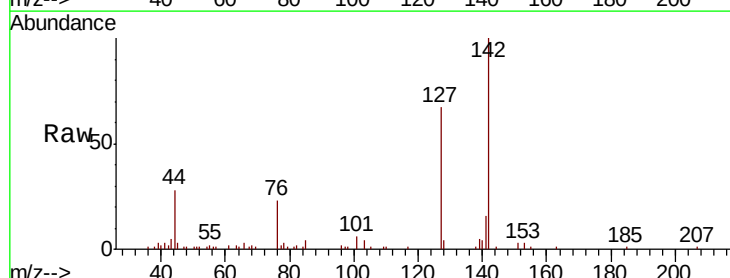
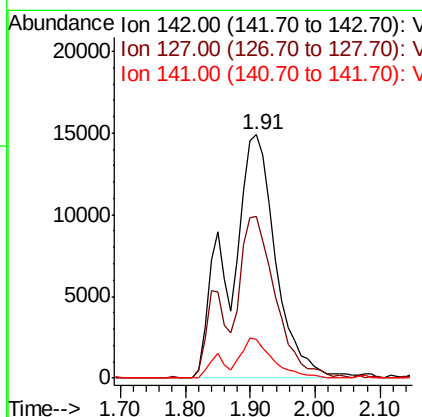
RT: 1.91 min Scan# 130

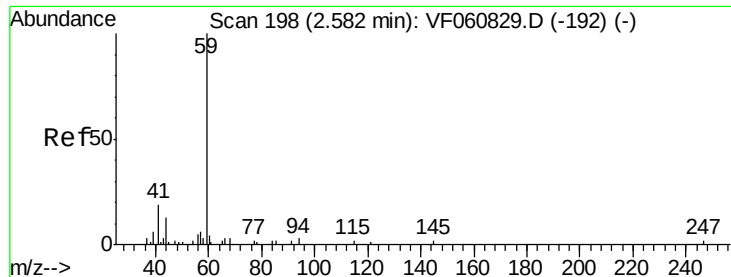
Delta R.T. -0.00 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Tgt Ion:	142	Resp:	73488
Ion Ratio	Lower	Upper	
142	100		
127	66.7	51.9	77.9
141	15.8	12.7	19.1





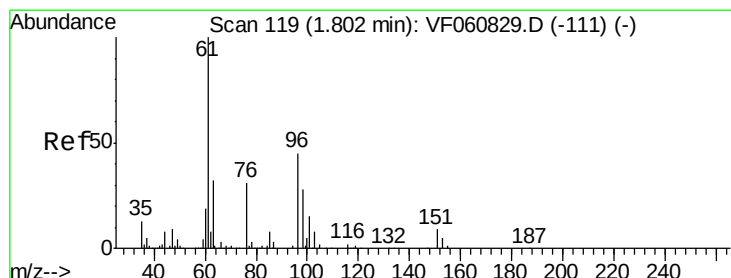
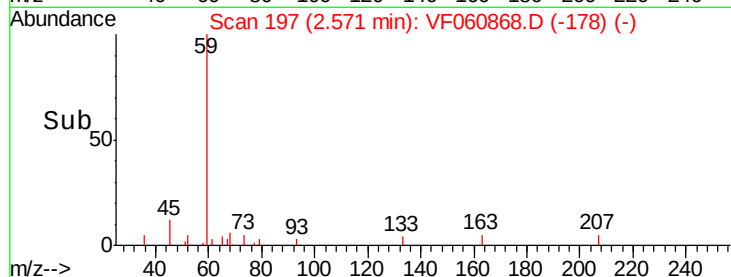
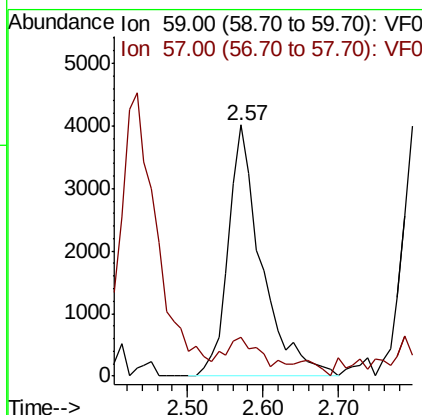
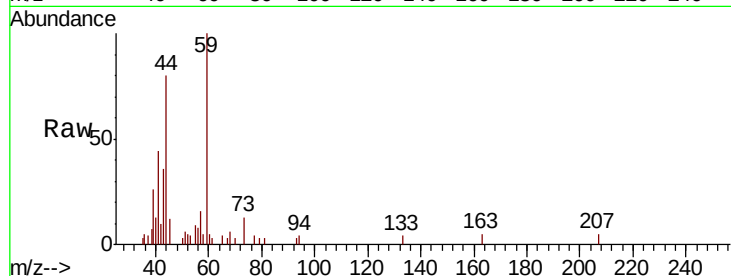
#11
Tert butyl alcohol
Concen: 120.771 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Instrument :
MSVOA_F
ClientSampleId :
VF1129SBS01

Tot Ion	59	Resp	12229
Ion Ratio	100	Lower	Upper
57	15.5	12.7	19.1

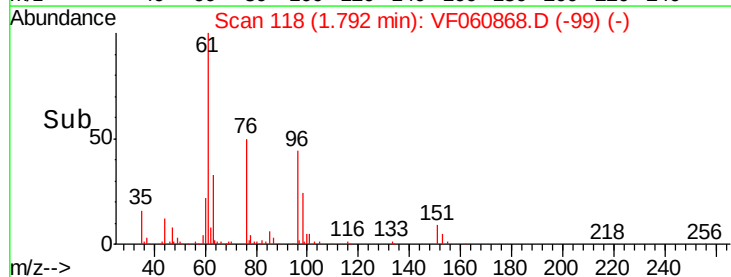
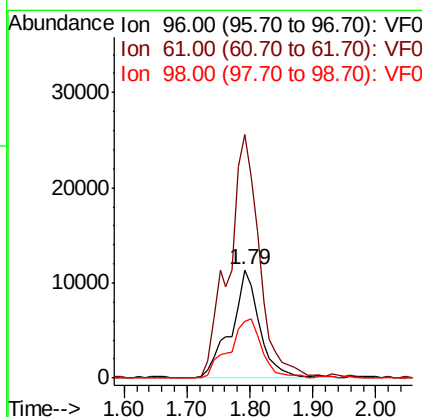
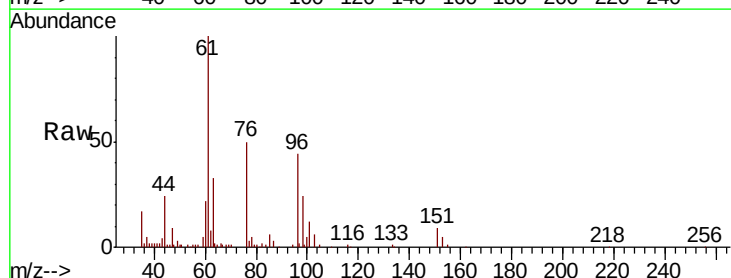
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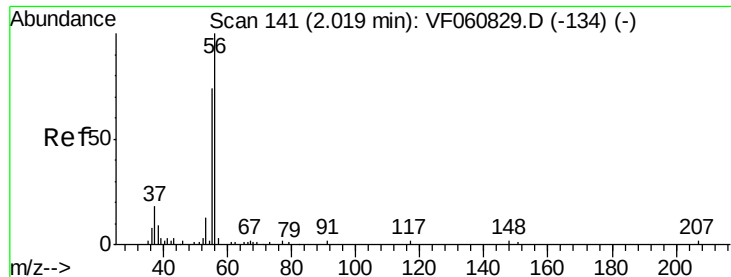
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#12
1,1-Dichloroethene
Concen: 21.574 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Tgt Ion	96	Resp	35819
Ion Ratio	100	Lower	Upper
61	225.4	177.3	265.9
98	53.0	49.6	74.4





#13

Acrolein

Concen: 116.199 ug/l m

RT: 2.00 min Scan# 139

Delta R.T. -0.02 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

VF1129SBS01

Tot Ion: 56 Resp: 11148

Ion Ratio Lower Upper

56 100

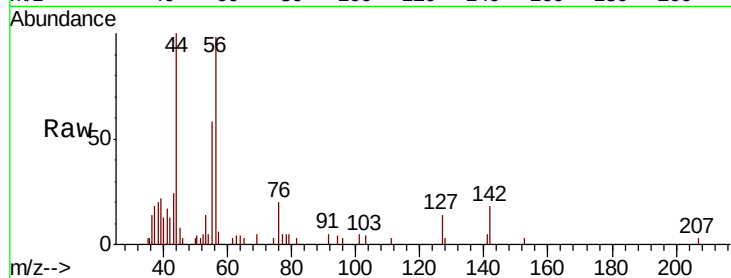
55 59.8 61.2 91.8#

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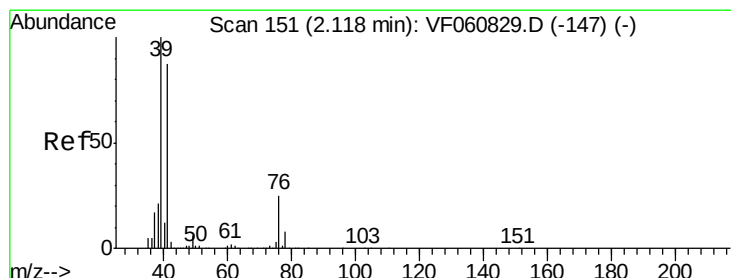
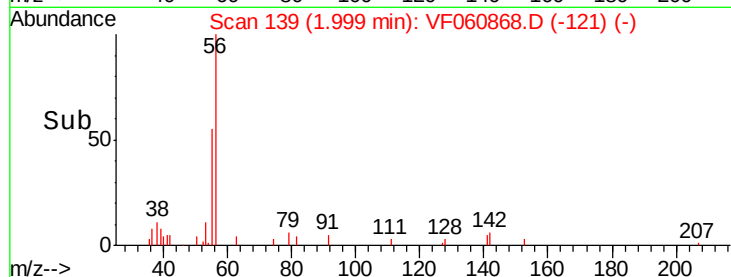
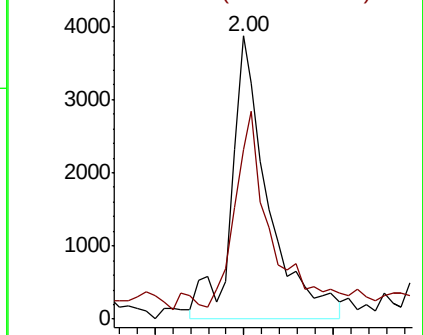
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 28.275 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.02 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

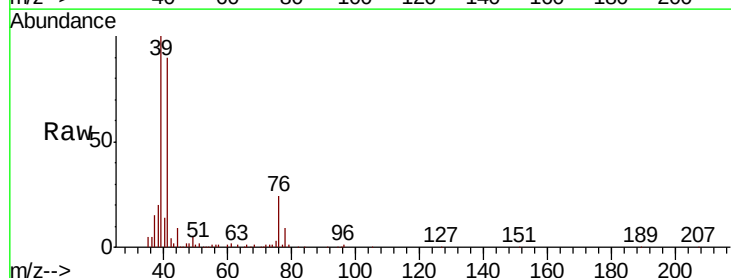
Tgt Ion: 41 Resp: 58512

Ion Ratio Lower Upper

41 100

39 111.1 91.7 137.5

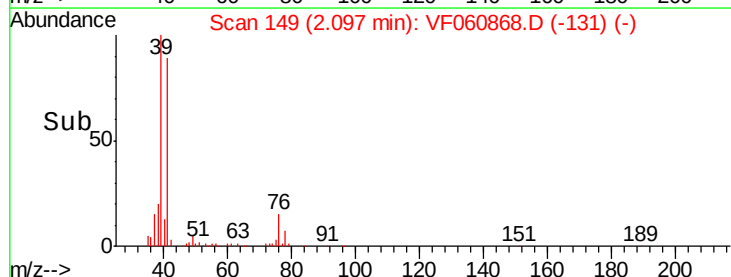
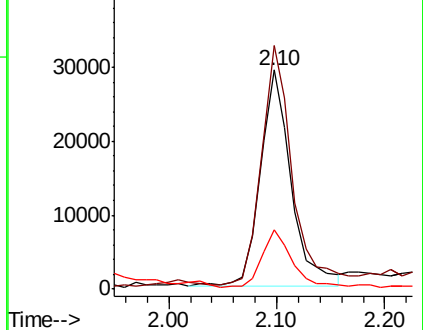
76 26.9 23.5 35.3

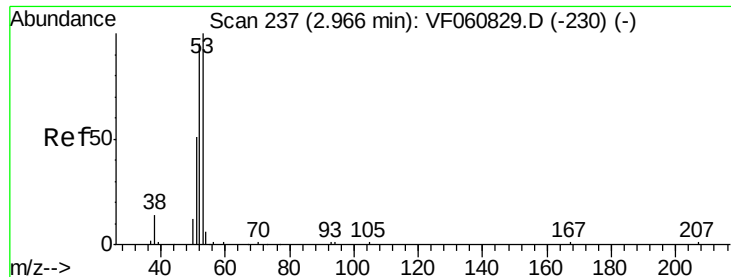


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 105.312 ug/l

RT: 2.95 min Scan# 235

Delta R.T. -0.02 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

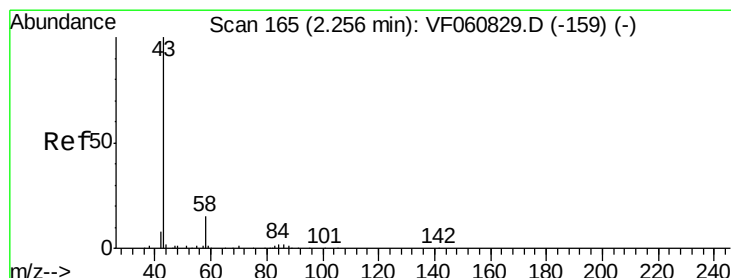
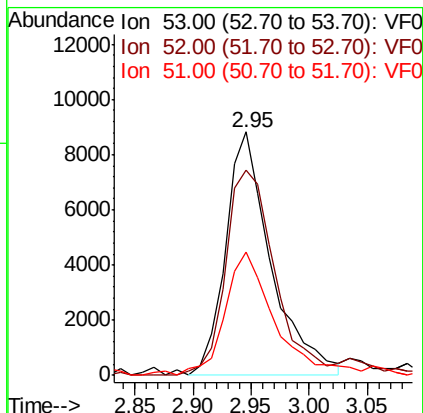
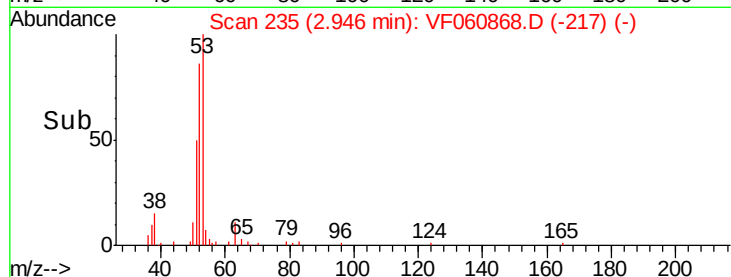
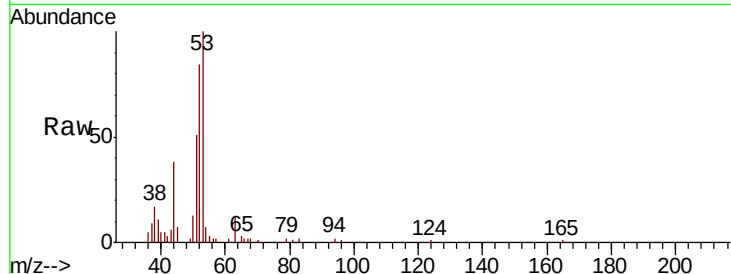
ClientSampleId :

VF1129SBS01

Tot Ion:	53	Resp:	23907
Ion	Ratio	Lower	Upper
53	100		
52	84.4	76.5	114.7
51	50.7	40.7	61.1

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#16

Acetone

Concen: 124.236 ug/l

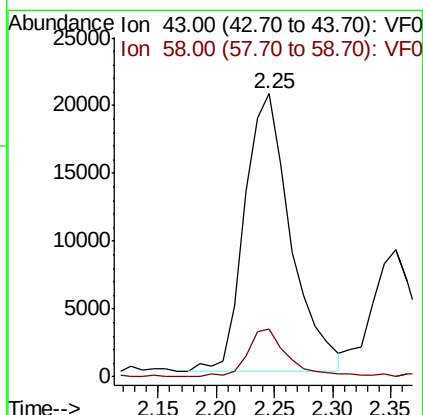
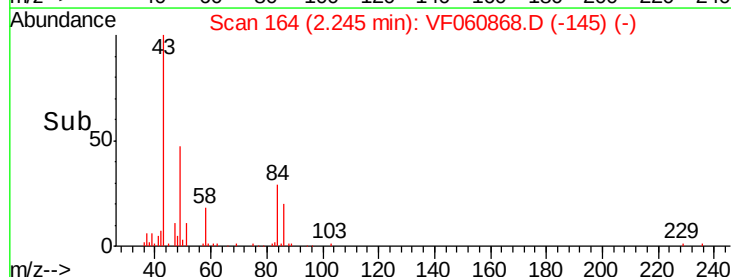
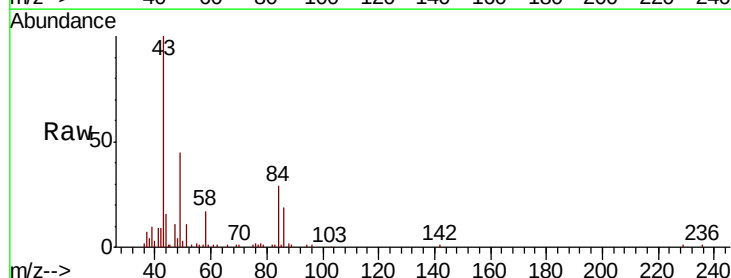
RT: 2.25 min Scan# 164

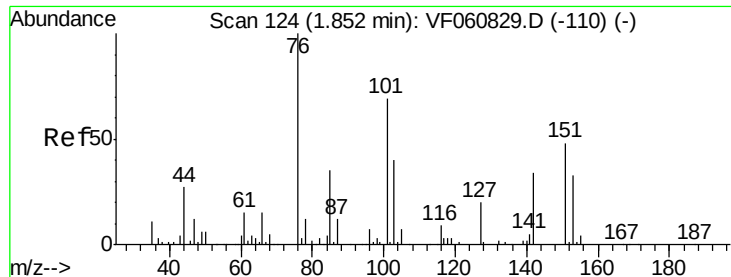
Delta R.T. -0.01 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Tgt Ion:	43	Resp:	56591
Ion	Ratio	Lower	Upper
43	100		
58	17.0	11.4	17.2





#17

Carbon Disulfide

Concen: 22.924 ug/l

RT: 1.80 min Scan# 119

Delta R.T. -0.05 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

VF1129SBS01

Tot Ion: 76 Resp: 102053

Ion Ratio Lower Upper

76 100

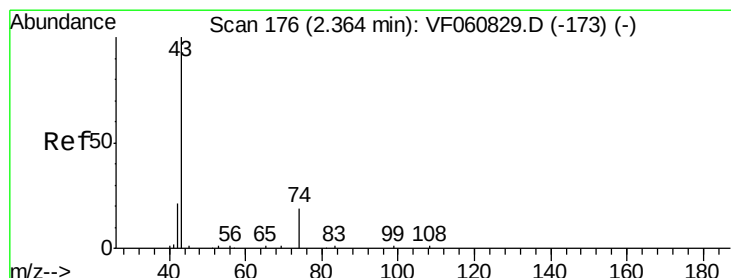
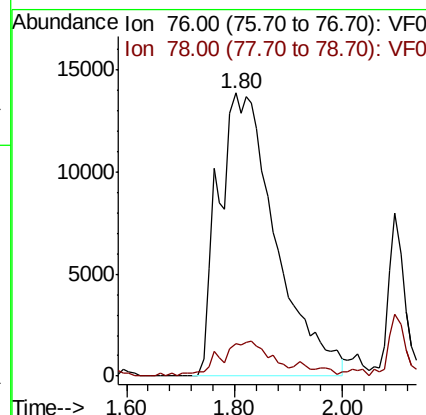
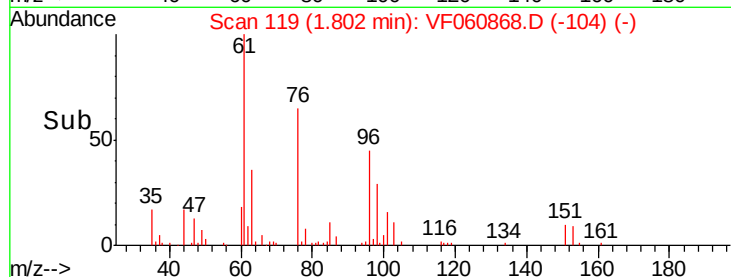
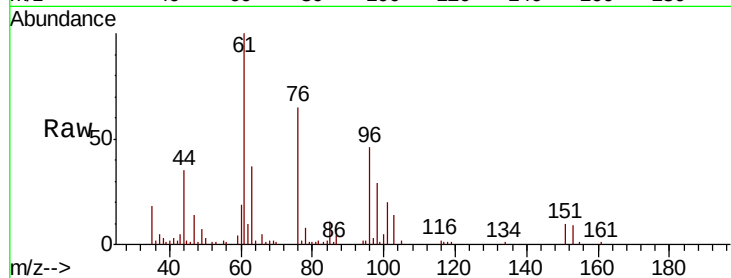
78 11.5 10.2 15.2

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#18

Methyl Acetate

Concen: 26.889 ug/l

RT: 2.35 min Scan# 175

Delta R.T. -0.01 min

Lab File: VF060868.D

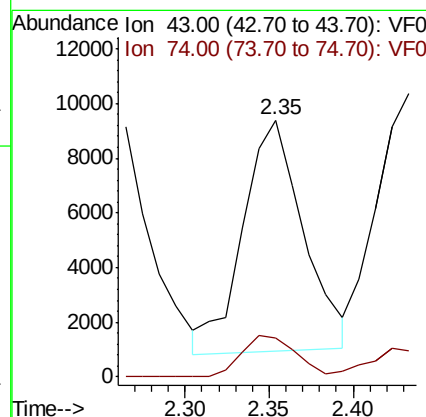
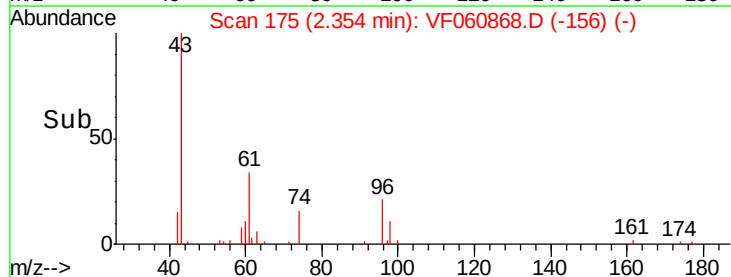
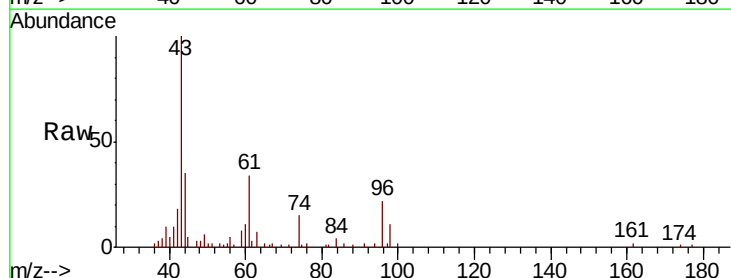
Acq: 29 Nov 2018 15:39

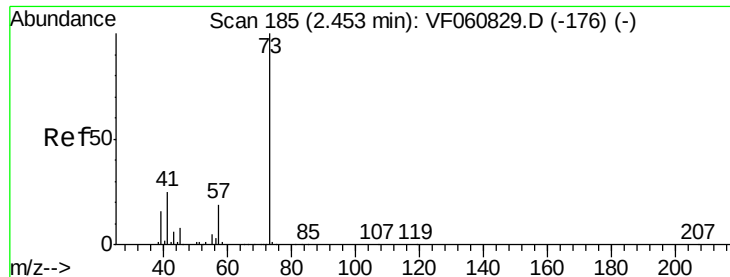
Tgt Ion: 43 Resp: 21132

Ion Ratio Lower Upper

43 100

74 15.3 13.3 19.9





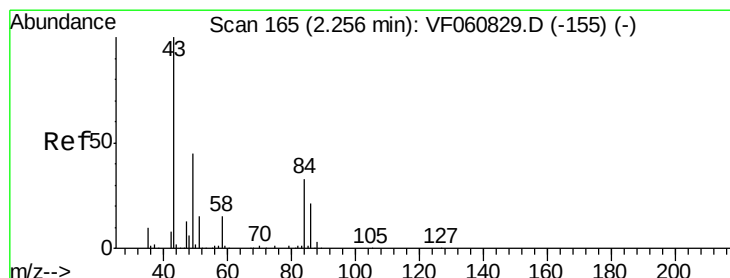
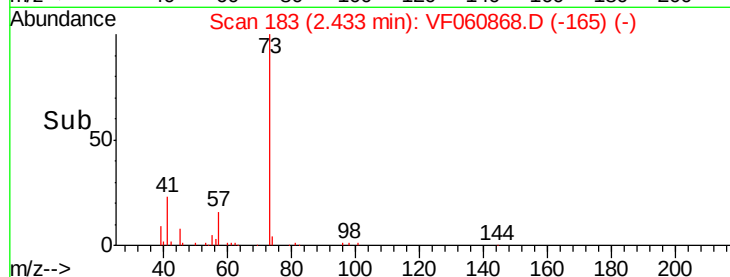
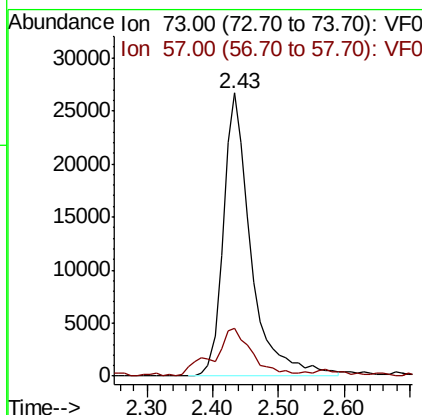
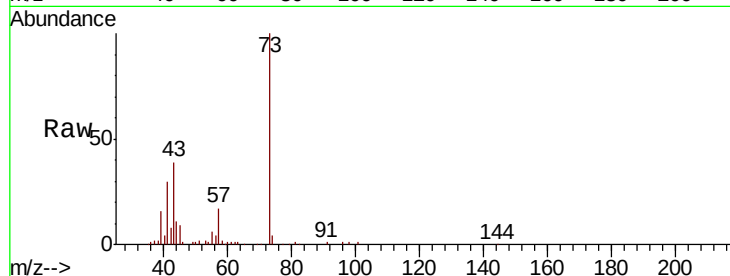
#19
Methyl tert-butyl Ether
Concen: 20.952 ug/l
RT: 2.43 min Scan# 183
Delta R.T. -0.02 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Instrument :
MSVOA_F
ClientSampleId :
VF1129SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.0	15.3	22.9

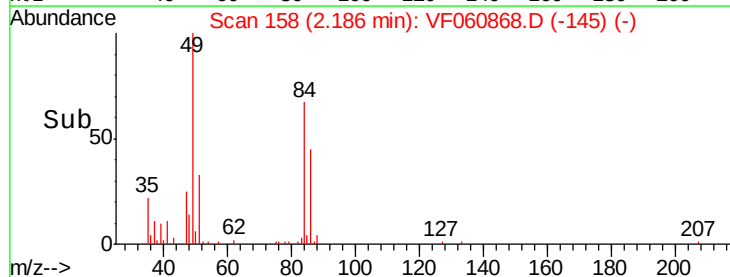
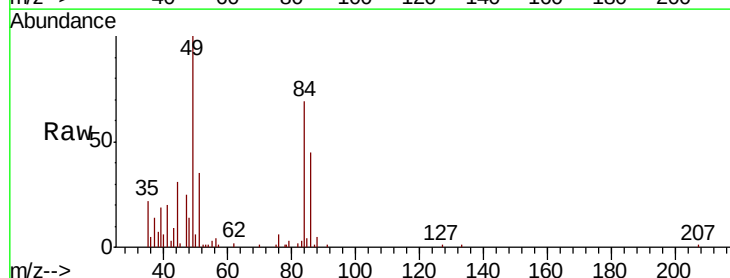
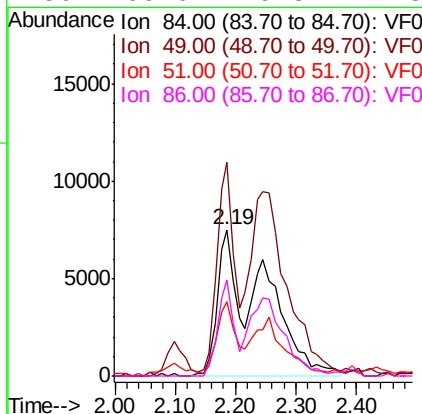
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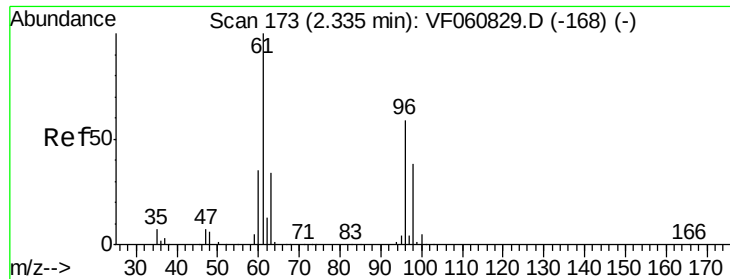
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#20
Methylene Chloride
Concen: 23.002 ug/l m
RT: 2.19 min Scan# 158
Delta R.T. -0.07 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	145.8	111.3	166.9
51	50.7	38.0	57.0
86	65.6	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 23.938 ug/l

RT: 2.31 min Scan# 171

Delta R.T. -0.02 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

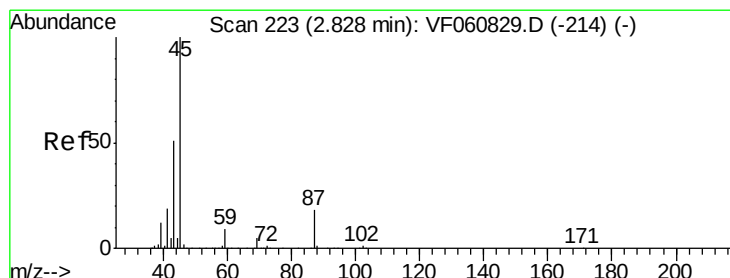
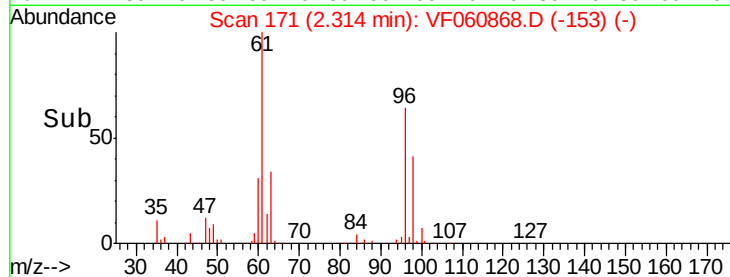
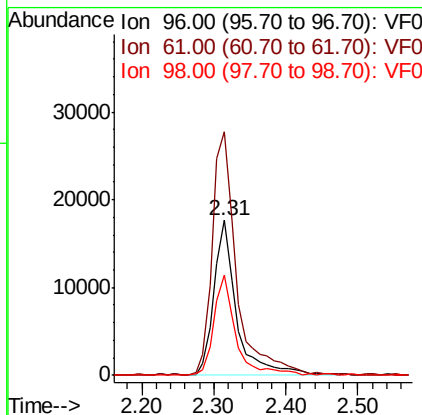
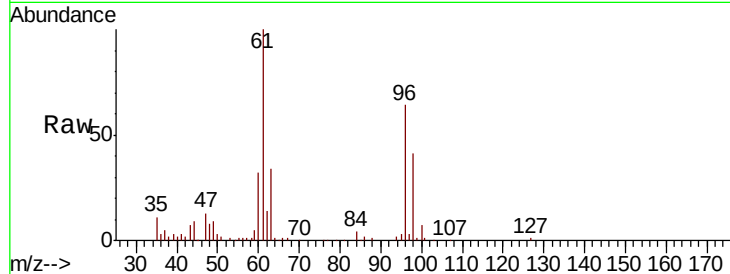
ClientSampleId :

VF1129SBS01

Tot Ion:	96	Resp:	38317
Ion Ratio	Lower	Upper	
96	100		
61	156.9	134.5	201.7
98	64.7	51.6	77.4

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#22

Diisopropyl ether

Concen: 23.141 ug/l

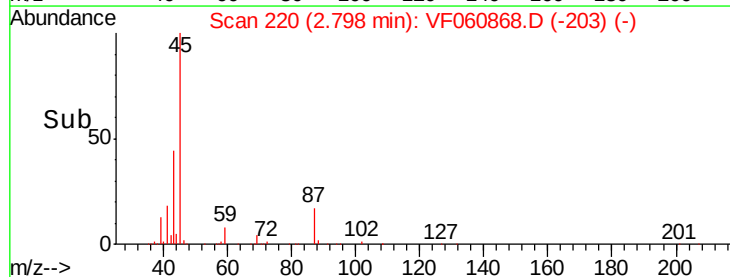
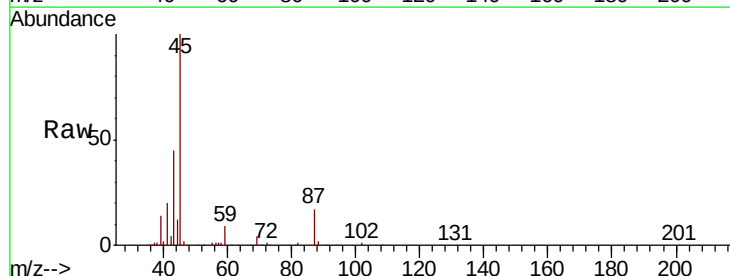
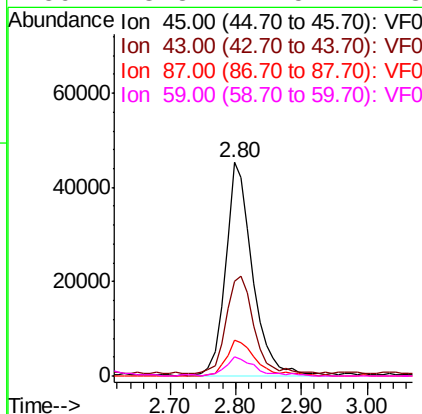
RT: 2.80 min Scan# 220

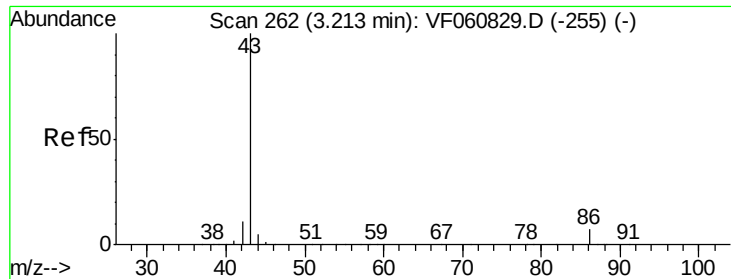
Delta R.T. -0.03 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Tgt Ion:	45	Resp:	130349
Ion Ratio	Lower	Upper	
45	100		
43	44.6	41.0	61.6
87	16.9	14.6	22.0
59	8.8	7.5	11.3





#23

Vinyl Acetate

Concen: 111.466 ug/l

RT: 3.19 min Scan# 260

Delta R.T. -0.02 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

VF1129SBS01

Tot Ion: 43 Resp: 287009

Ion Ratio Lower Upper

43 100

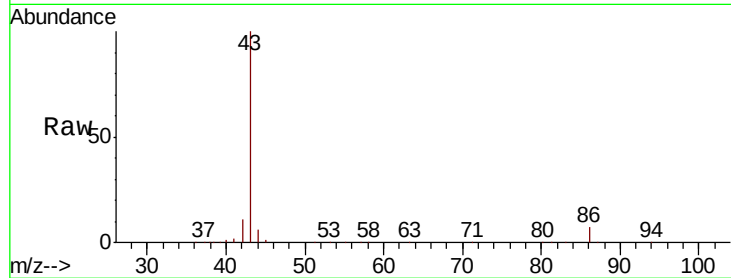
86 7.4 5.4 8.0

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.19

120000

100000

80000

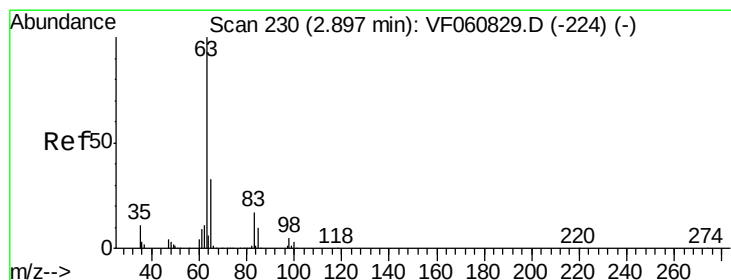
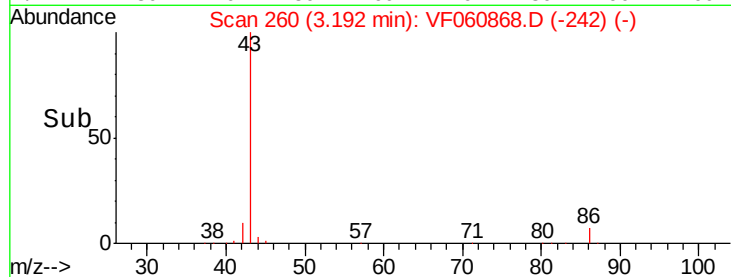
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 22.958 ug/l

RT: 2.88 min Scan# 228

Delta R.T. -0.02 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

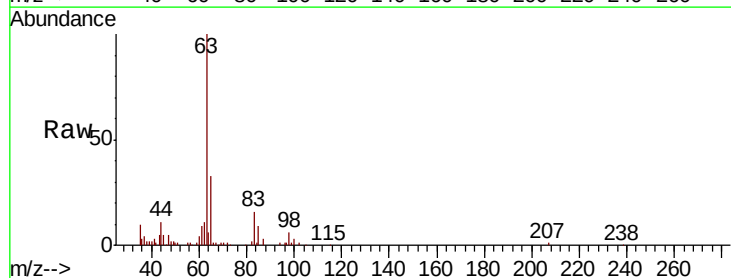
Tgt Ion: 63 Resp: 76941

Ion Ratio Lower Upper

63 100

98 5.8 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

2.88

40000

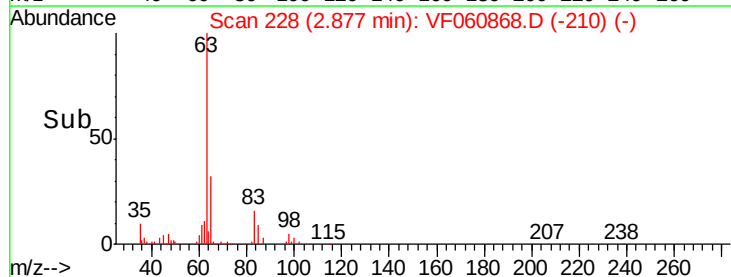
30000

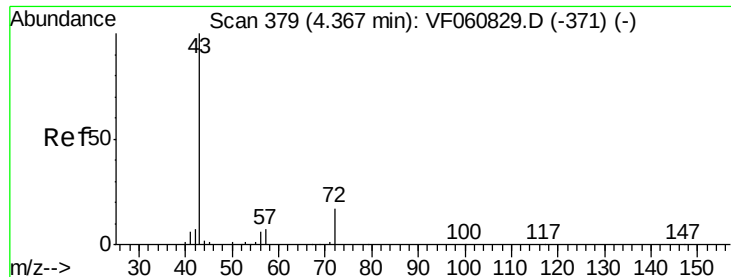
20000

10000

0

Time-->





#25

2-Butanone

Concen: 111.538 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.03 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

VF1129SBS01

Tot Ion: 43 Resp: 87878

Ion Ratio Lower Upper

43 100

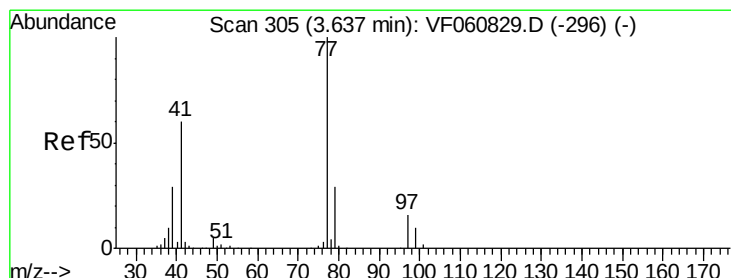
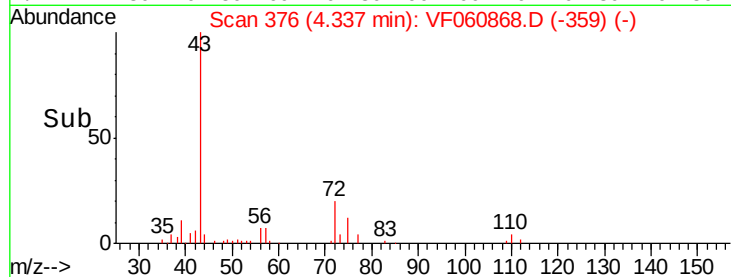
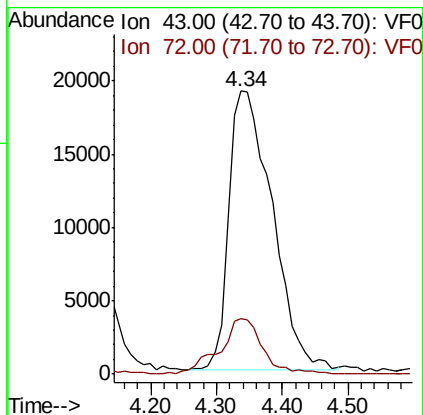
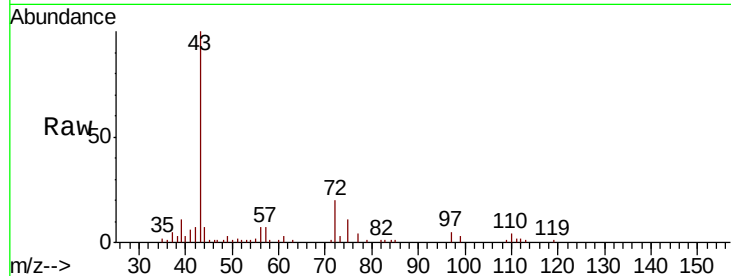
72 19.6 15.4 23.2

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#26

2,2-Dichloropropane

Concen: 22.404 ug/l

RT: 3.61 min Scan# 302

Delta R.T. -0.03 min

Lab File: VF060868.D

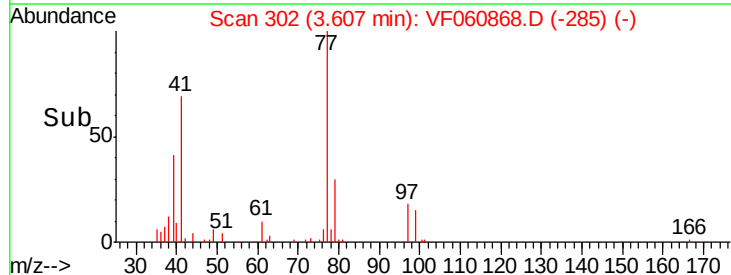
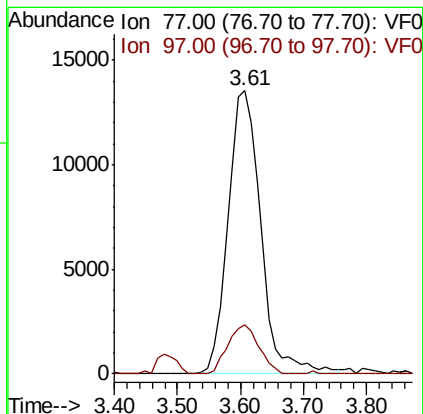
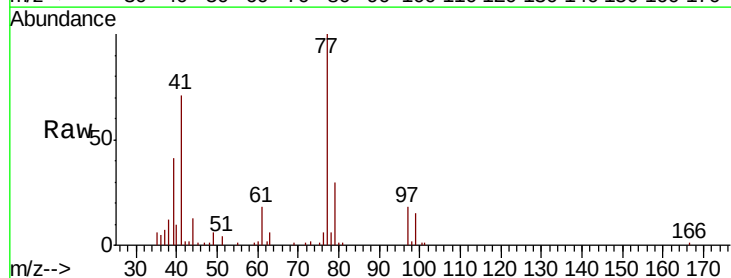
Acq: 29 Nov 2018 15:39

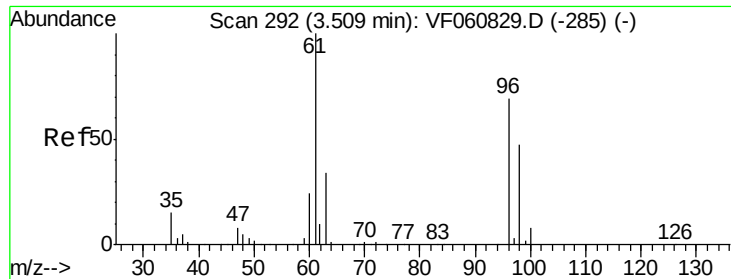
Tgt Ion: 77 Resp: 48678

Ion Ratio Lower Upper

77 100

97 17.6 8.6 25.8





#27

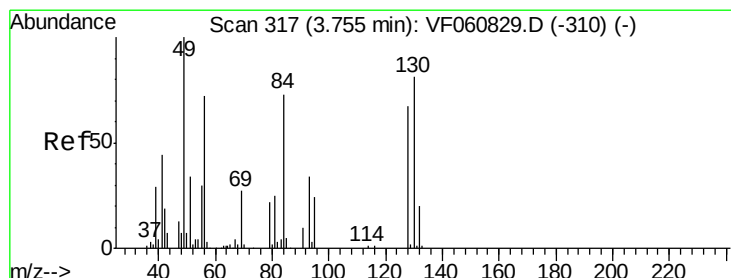
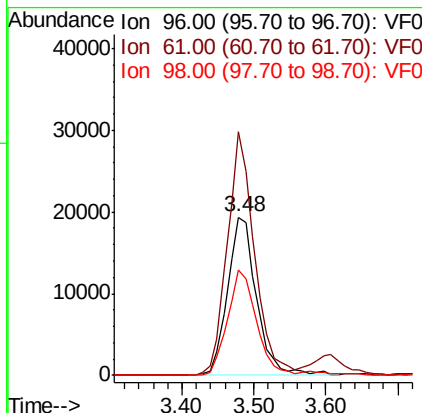
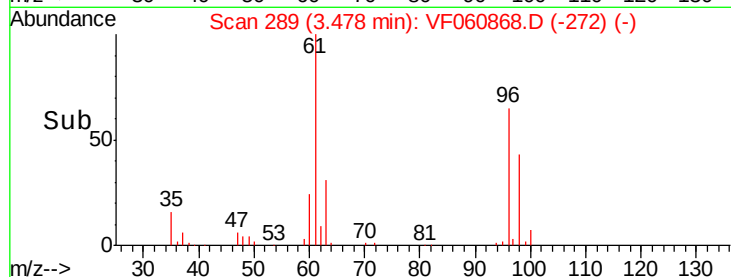
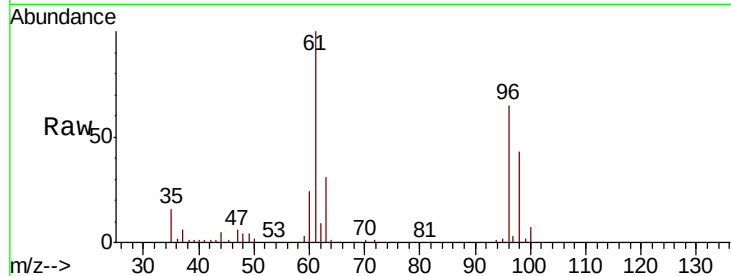
cis-1,2-Dichloroethene
Concen: 20.911 ug/l
RT: 3.48 min Scan# 289
Delta R.T. -0.03 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Instrument :
MSVOA_F
ClientSampleId :
VF1129SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	54493		
61	153.8		0.0	290.6
98	66.8		0.0	137.8

Manual Integrations
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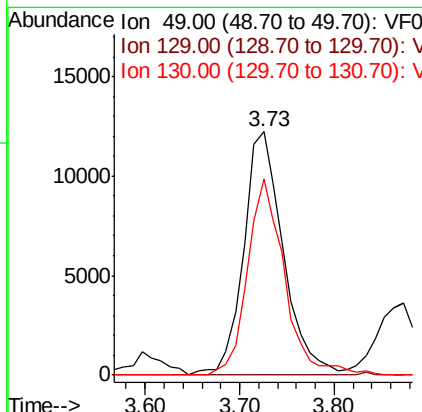
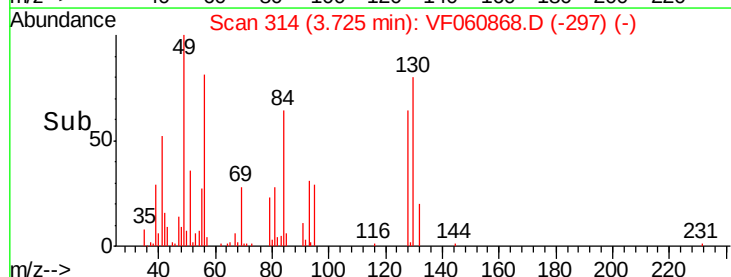
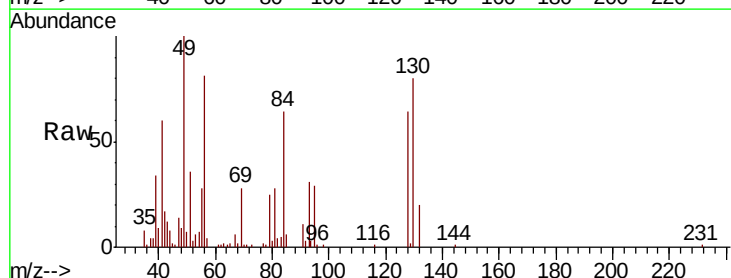
apatel
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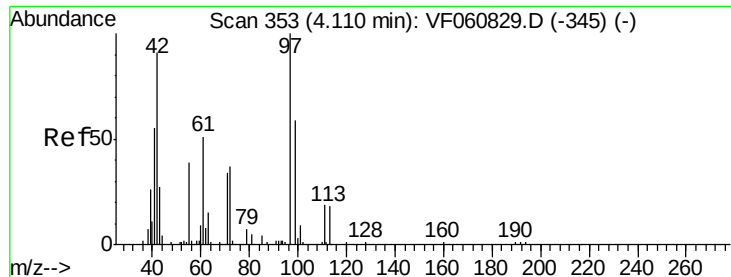


#28

Bromochloromethane
Concen: 22.086 ug/l
RT: 3.73 min Scan# 314
Delta R.T. -0.03 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	35523		
129	0.0		0.0	4.4
130	80.5		64.2	96.4





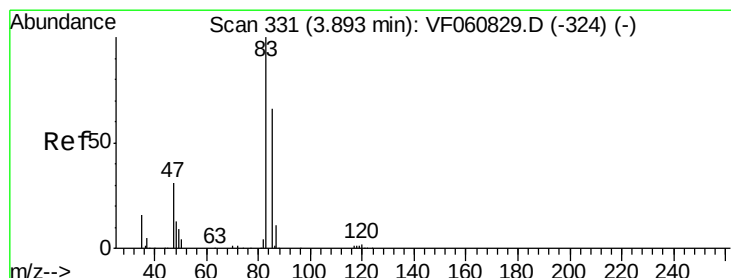
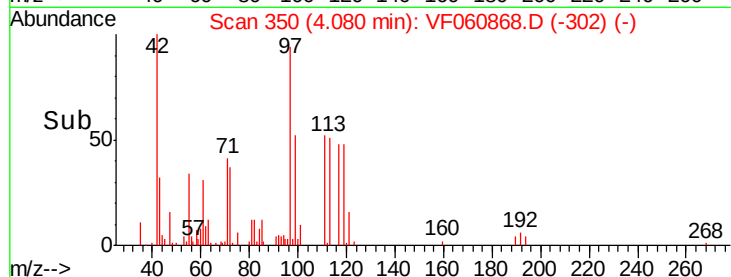
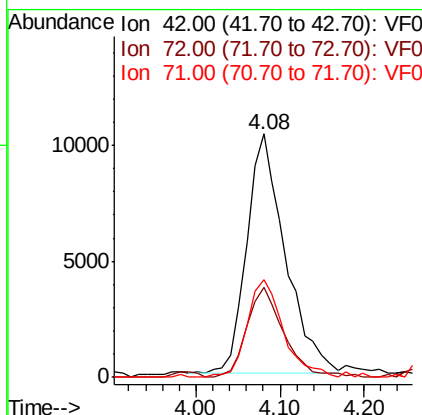
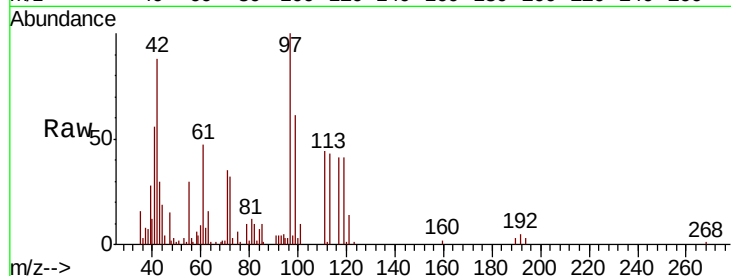
#29
Tetrahydrofuran
Concen: 99.638 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.03 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Instrument :
MSVOA_F
ClientSampleId :
VF1129SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.1	31.9	47.9
71	38.1	28.7	43.1

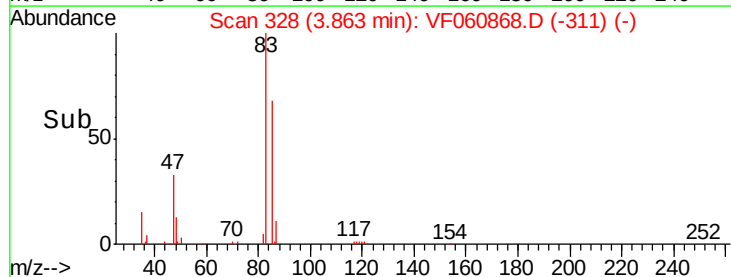
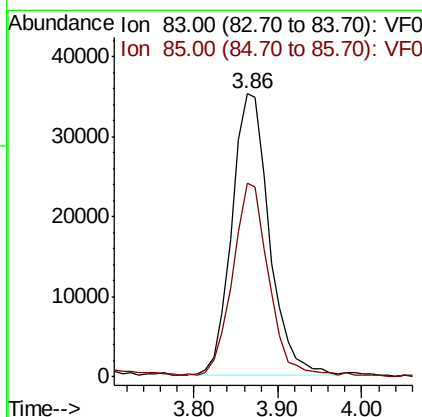
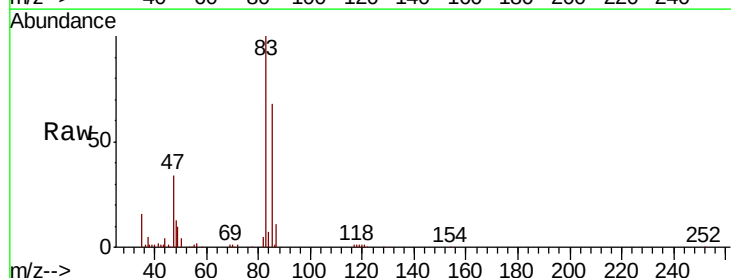
Manual Integrations
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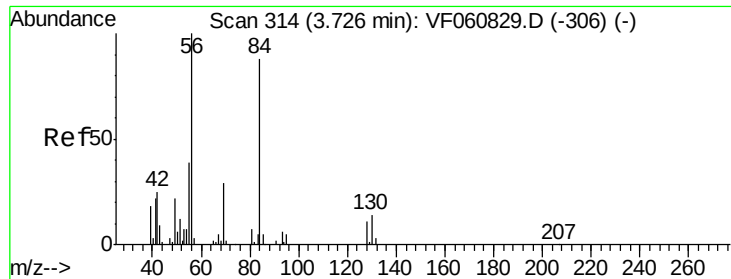
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#30
Chloroform
Concen: 21.176 ug/l
RT: 3.86 min Scan# 328
Delta R.T. -0.03 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.3	53.4	80.2





#31

Cyclohexane

Concen: 22.626 ug/l

RT: 3.71 min Scan# 312

Delta R.T. -0.02 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

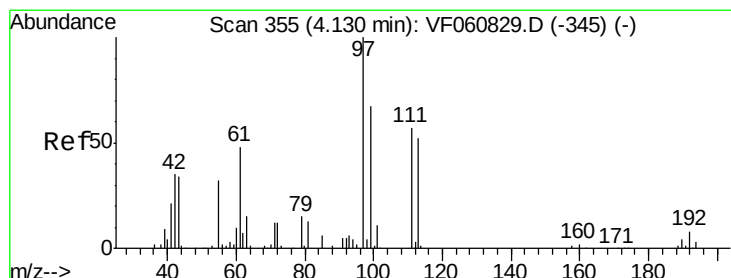
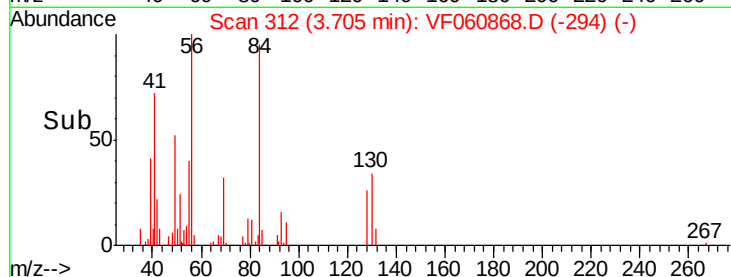
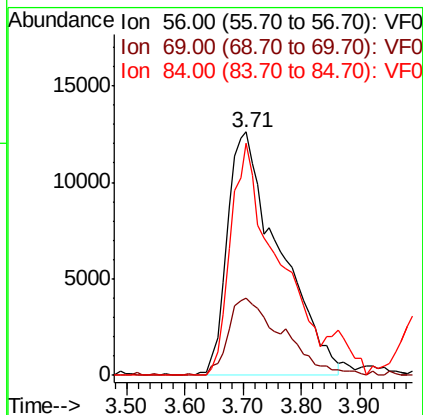
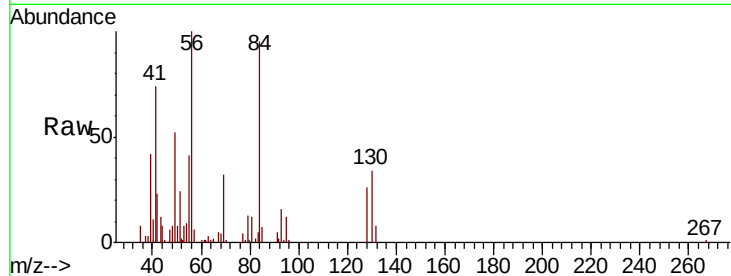
ClientSampleId :

VF1129SBS01

Tot Ion:	56	Resp:	78695
Ion Ratio	Lower	Upper	
56	100		
69	31.6	23.0	34.4
84	95.2	70.4	105.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.232 ug/l m

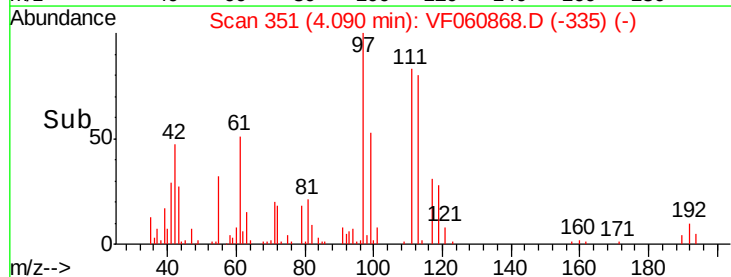
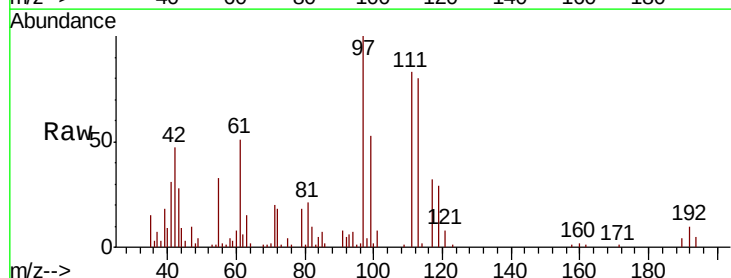
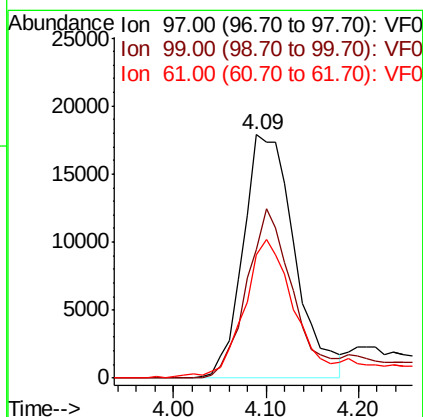
RT: 4.09 min Scan# 351

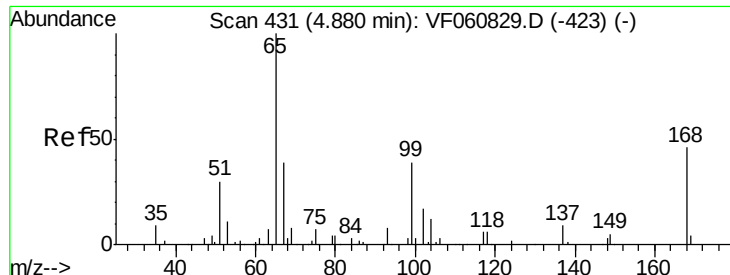
Delta R.T. -0.04 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Tgt Ion:	97	Resp:	68795
Ion Ratio	Lower	Upper	
97	100		
99	52.9	53.5	80.3#
61	50.7	38.6	58.0





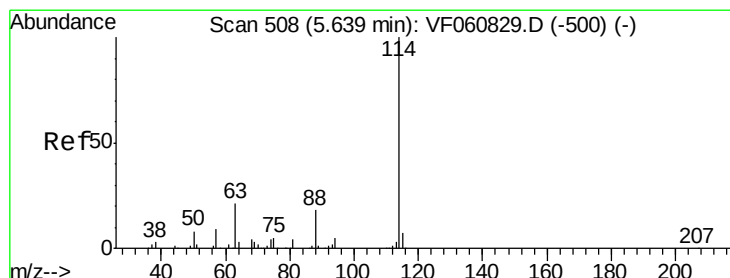
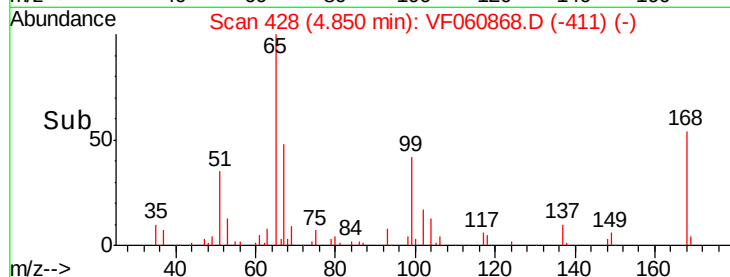
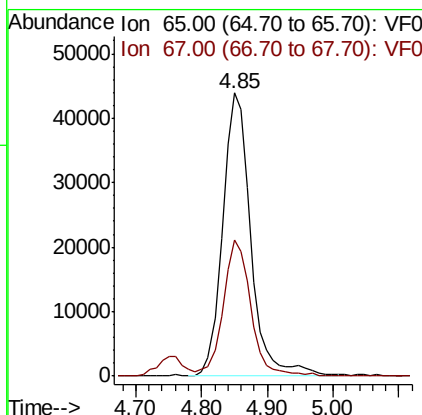
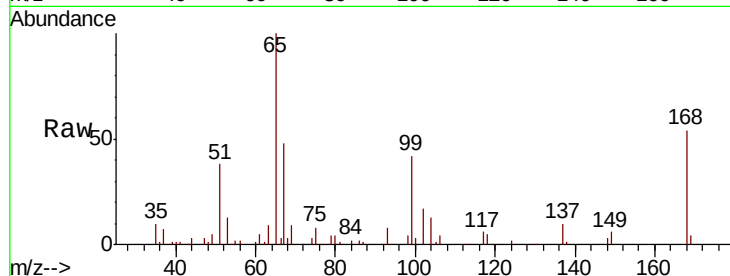
#33
 1,2-Dichloroethane-d4
 Concen: 52.524 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. -0.03 min
 Lab File: VF060868.D
 Acq: 29 Nov 2018 15:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1129SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	129743		
67	48.2	0.0	96.4	

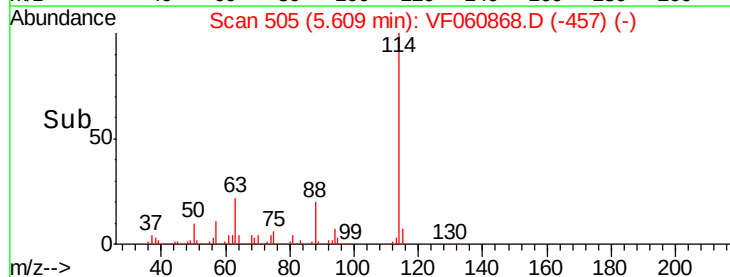
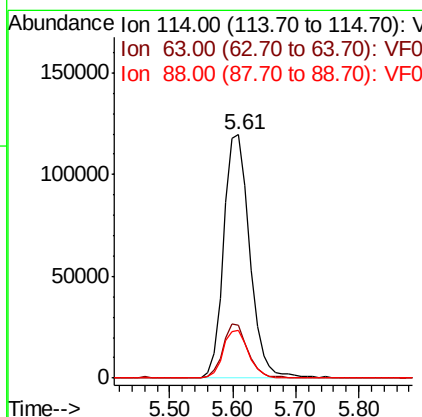
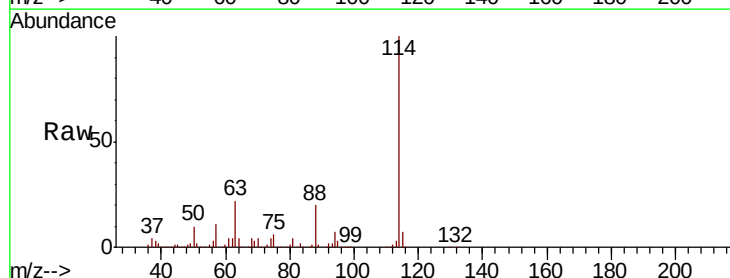
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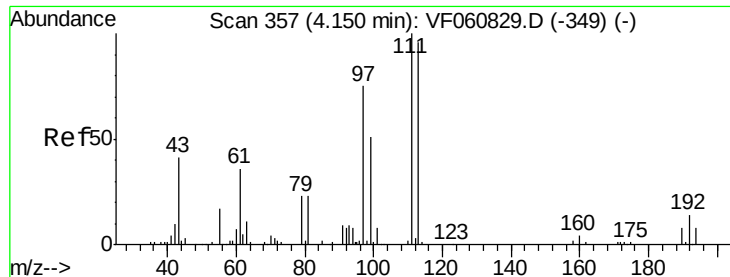
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. -0.03 min
 Lab File: VF060868.D
 Acq: 29 Nov 2018 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	343525		
63	21.6	0.0	41.6	
88	19.6	0.0	36.6	





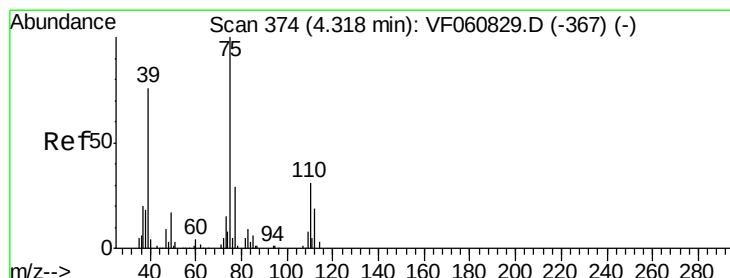
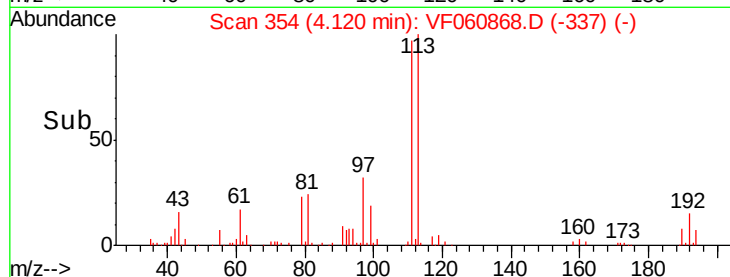
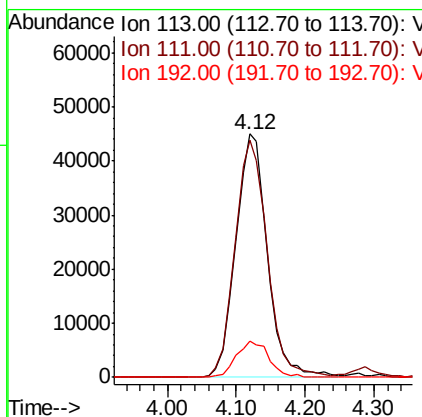
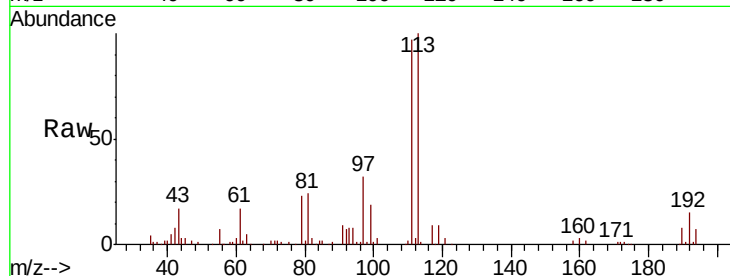
#35
 Dibromofluoromethane
 Concen: 52.444 ug/l
 RT: 4.12 min Scan# 354
 Delta R.T. -0.03 min
 Lab File: VF060868.D
 Acq: 29 Nov 2018 15:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1129SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	142924		
111	97.2	83.0	124.6	
192	14.9	12.3	18.5	

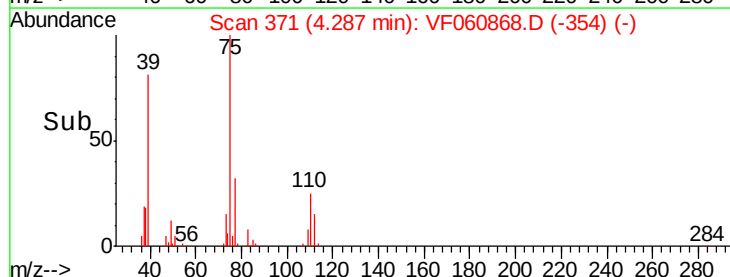
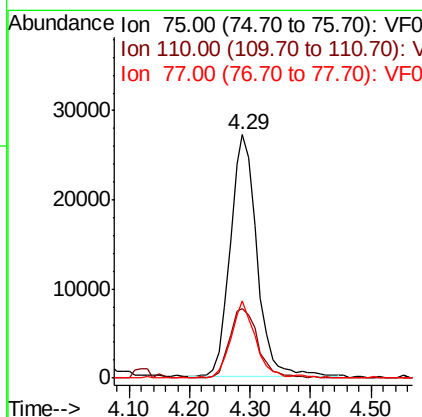
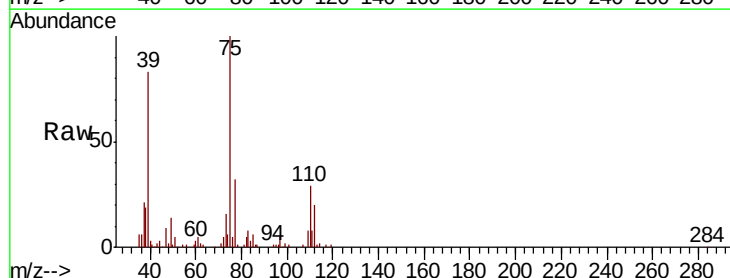
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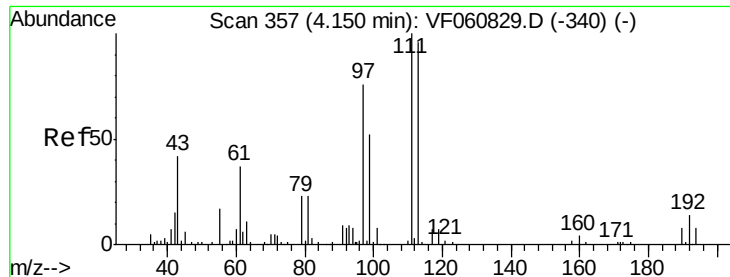
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#36
 1,1-Dichloropropene
 Concen: 21.655 ug/l
 RT: 4.29 min Scan# 371
 Delta R.T. -0.03 min
 Lab File: VF060868.D
 Acq: 29 Nov 2018 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	82513		
110	28.8	15.6	46.8	
77	31.8	23.4	35.0	





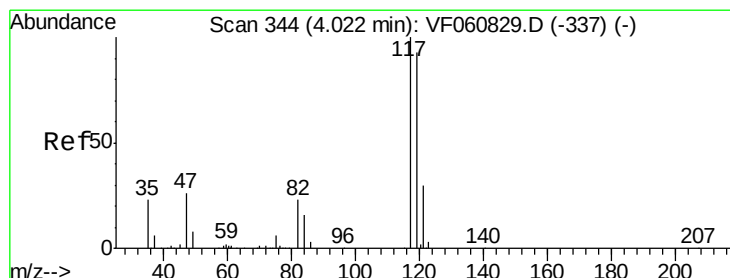
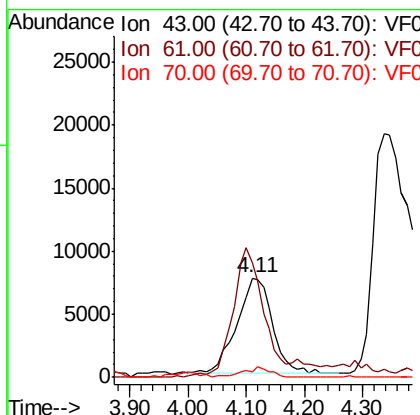
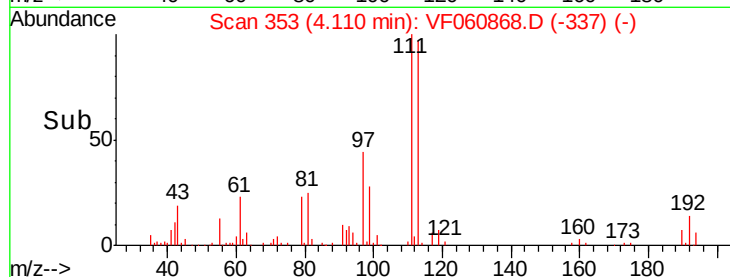
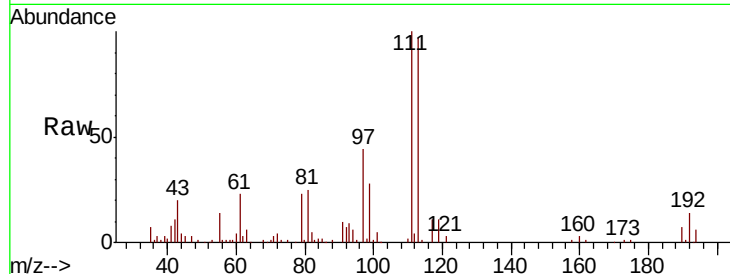
#37
Ethyl Acetate
Concen: 21.123 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.04 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Instrument :
MSVOA_F
ClientSampleId :
VF1129SBS01

Tot Ion	43	61	70
Resp	32707	115.7	6.1
Ratio	100	115.7	6.1
Lower		68.6	9.0
Upper		103.0#	13.4#

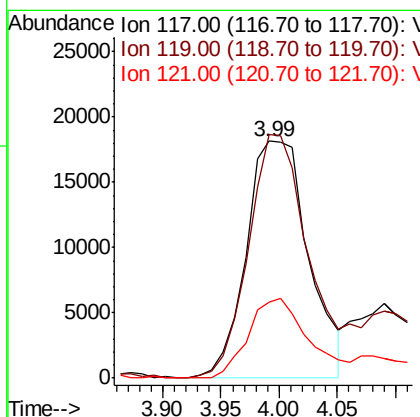
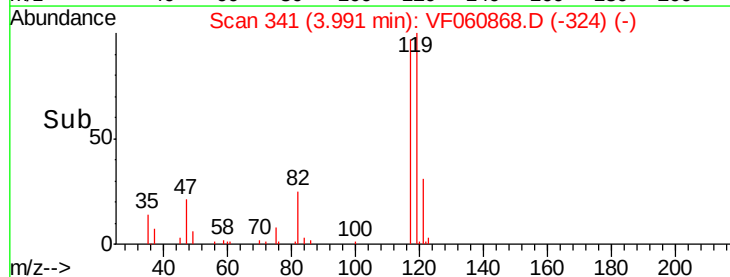
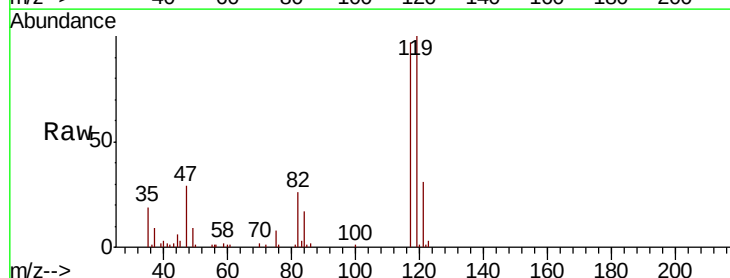
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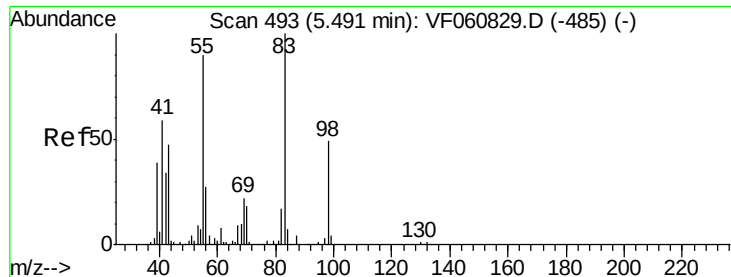
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#38
Carbon Tetrachloride
Concen: 20.030 ug/l
RT: 3.99 min Scan# 341
Delta R.T. -0.03 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Tgt Ion	117	119	121
Resp	67408	102.7	31.9
Ratio	100	102.7	31.9
Lower		74.4	23.5
Upper		111.6	35.3





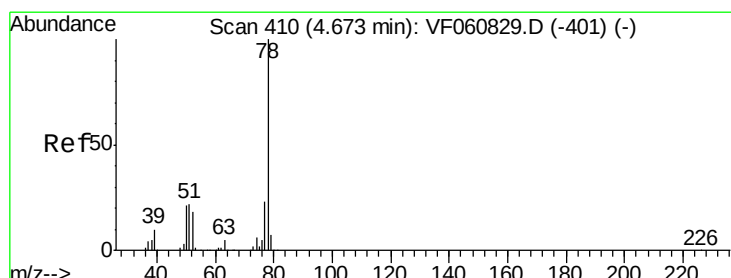
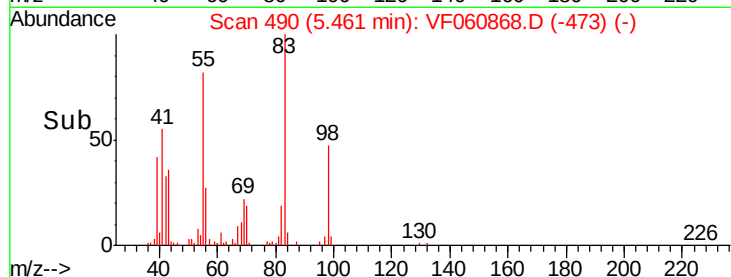
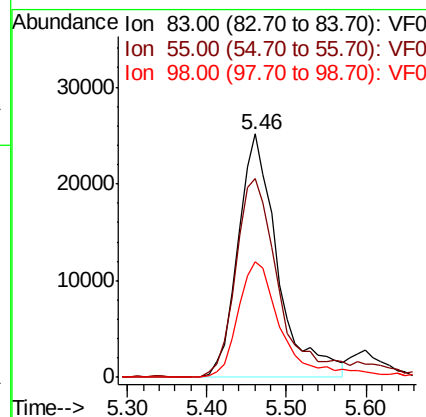
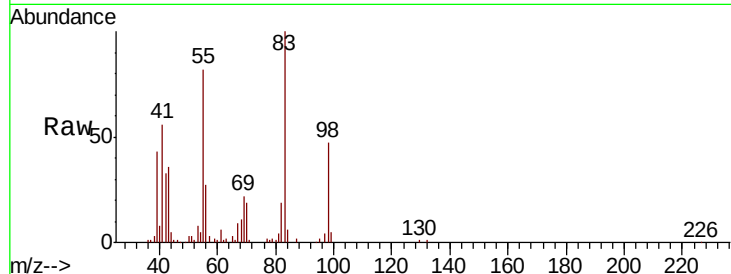
#39
Methylvlcyclohexane
Concen: 21.758 ug/l
RT: 5.46 min Scan# 490
Delta R.T. -0.03 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Instrument :
MSVOA_F
ClientSampleId :
VF1129SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.7	72.1	108.1
98	47.3	39.1	58.7

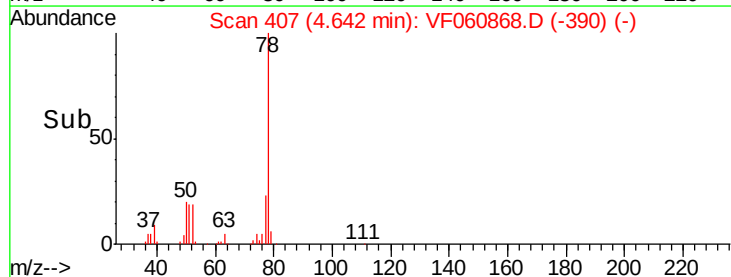
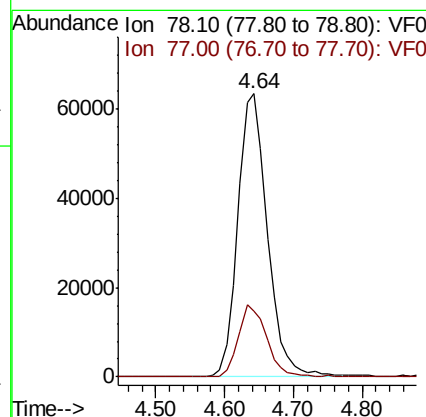
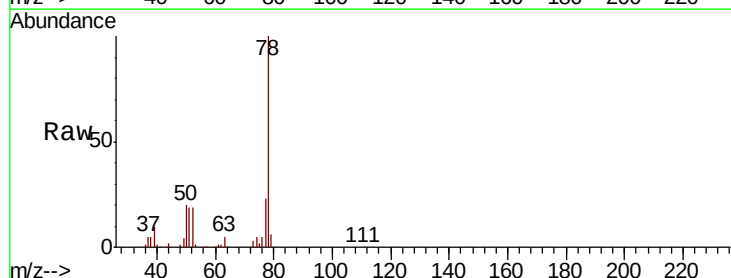
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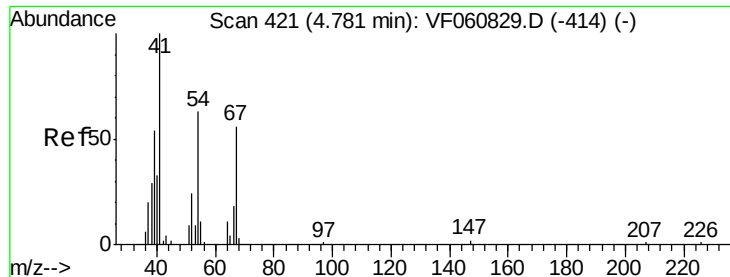
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#40
Benzene
Concen: 22.427 ug/l
RT: 4.64 min Scan# 407
Delta R.T. -0.03 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1





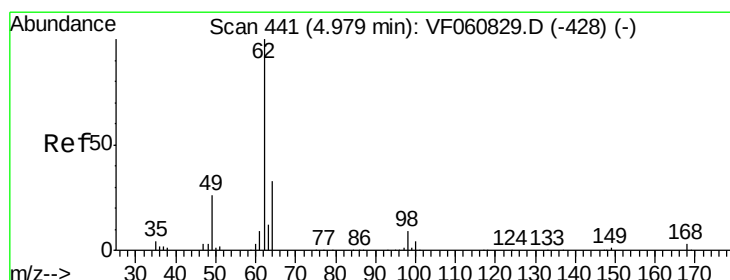
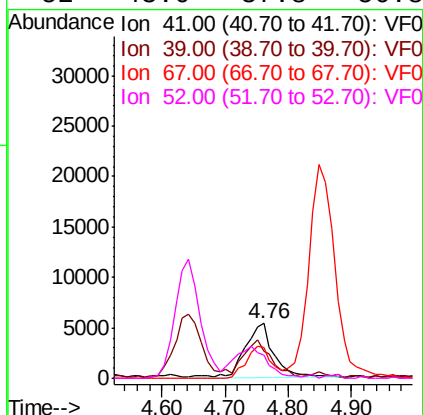
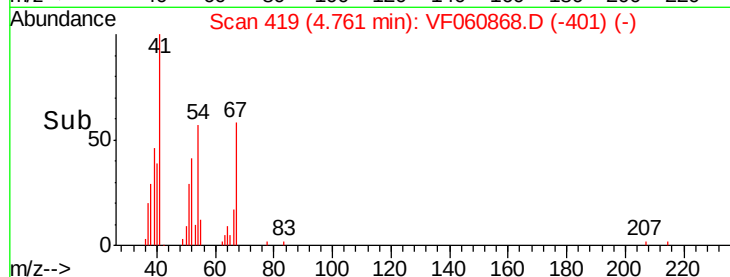
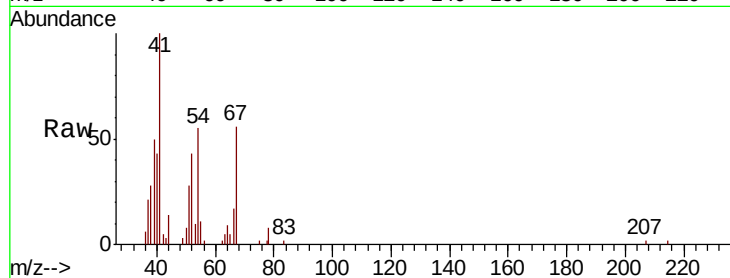
#41
Methacrylonitrile
Concen: 19.281 ug/l
RT: 4.76 min Scan# 419
Delta R.T. -0.02 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Instrument :
MSVOA_F
ClientSampleId :
VF1129SBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	49.9	53.0	79.6#	
67	56.0	43.8	65.6	
52	43.0	37.8	56.8	

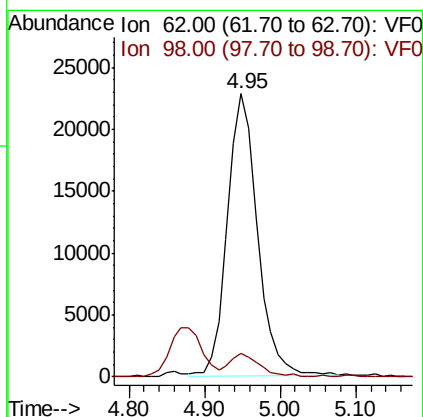
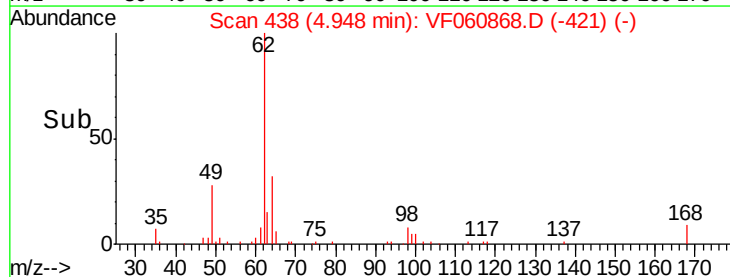
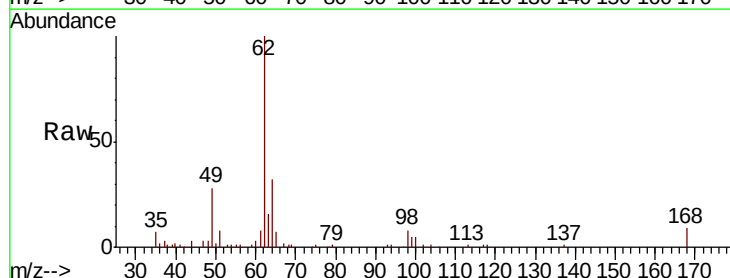
Manual Integrations
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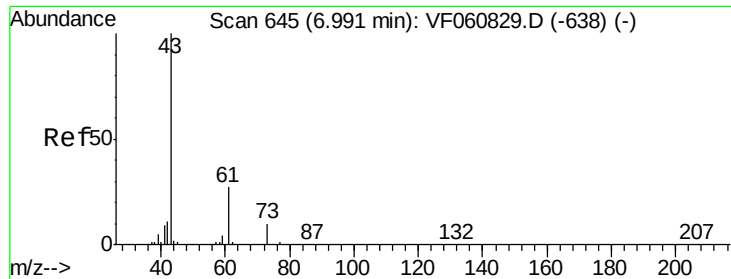
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#42
1,2-Dichloroethane
Concen: 20.447 ug/l
RT: 4.95 min Scan# 438
Delta R.T. -0.03 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.1	0.0	17.2	





#43

Isopropyl Acetate

Concen: 18.518 ug/l

RT: 6.96 min Scan# 642

Delta R.T. -0.03 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

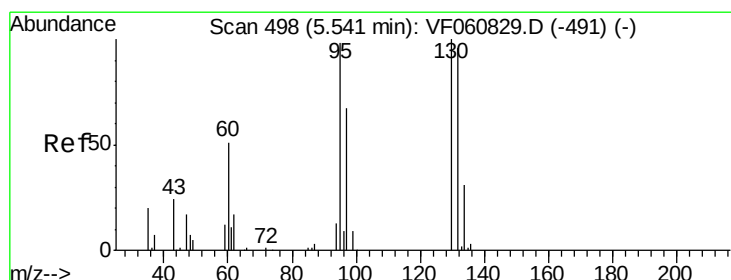
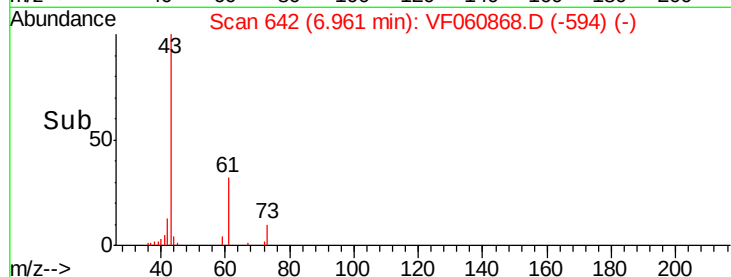
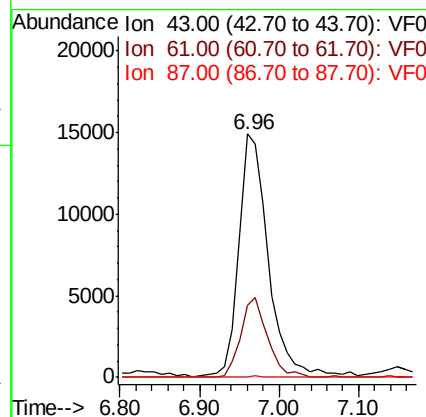
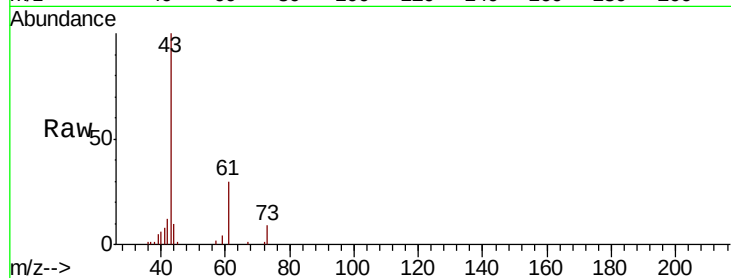
ClientSampleId :

VF1129SBS01

Tot Ion:	43	Resp:	38648
Ion	Ratio	Lower	Upper
43	100		
61	29.8	21.4	32.0
87	0.0	0.2	0.4

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#44

Trichloroethene

Concen: 20.430 ug/l

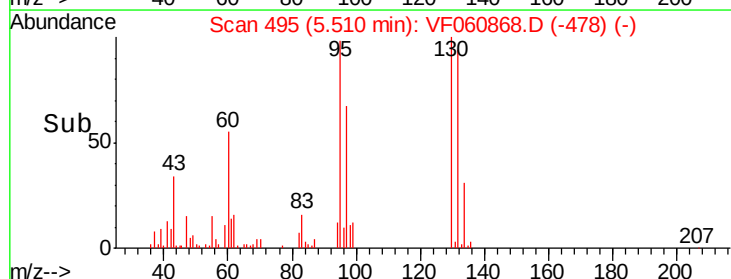
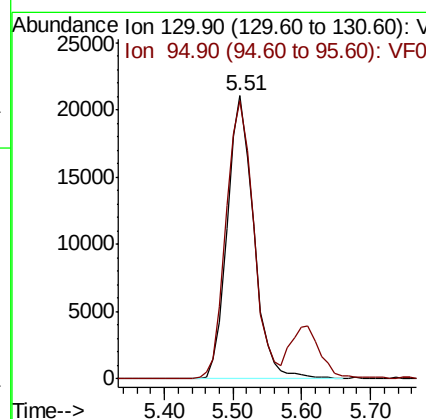
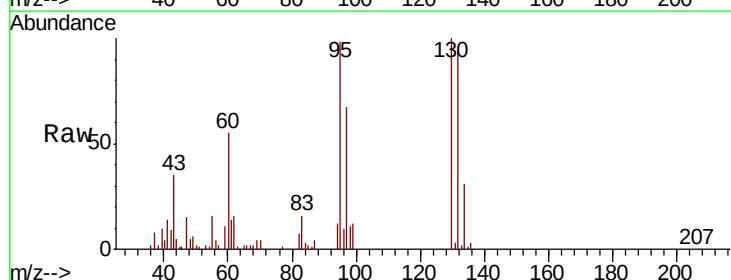
RT: 5.51 min Scan# 495

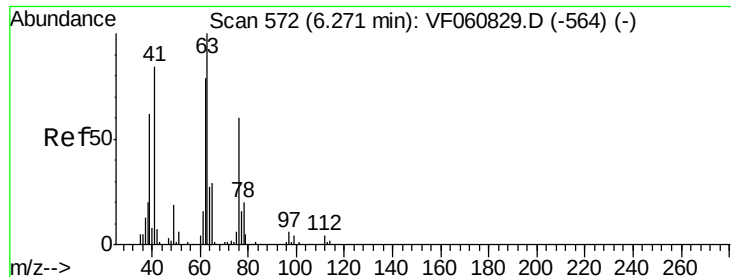
Delta R.T. -0.03 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Tgt Ion:	130	Resp:	56230
Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	195.6





#45

1,2-Dichloropropane

Concen: 20.746 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.03 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

VF1129SBS01

Tot Ion: 63 Resp: 45355

Ion Ratio Lower Upper

63 100

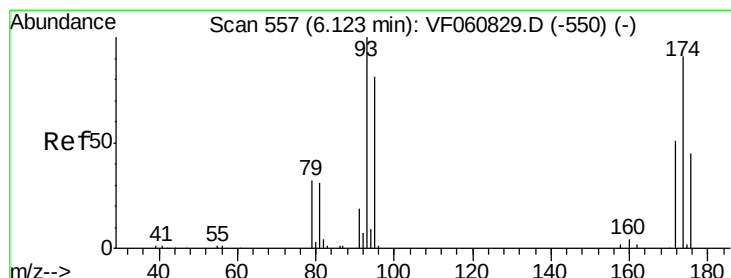
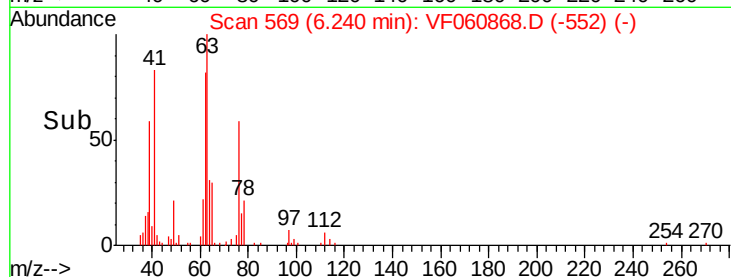
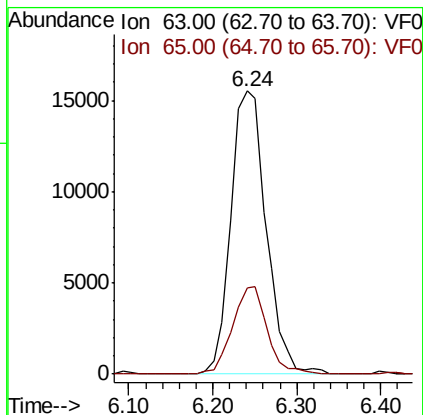
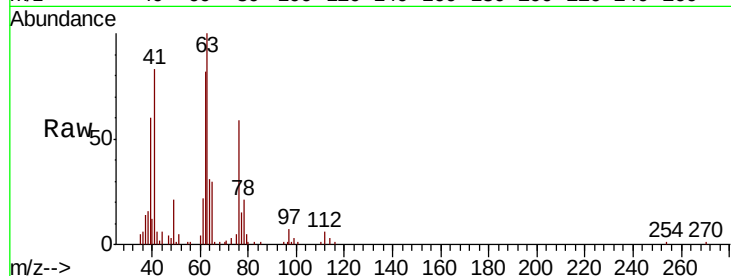
65 30.4 23.2 34.8

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#46

Dibromomethane

Concen: 21.410 ug/l

RT: 6.09 min Scan# 554

Delta R.T. -0.03 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

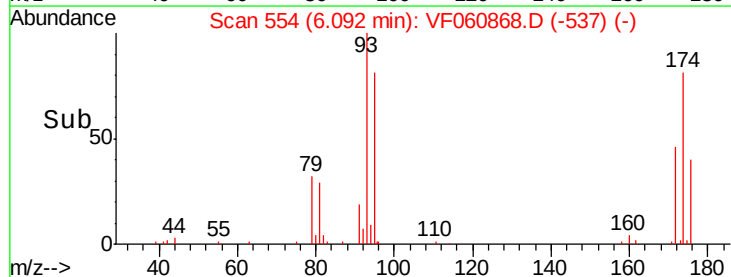
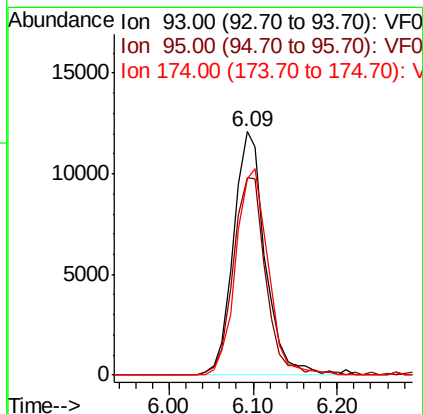
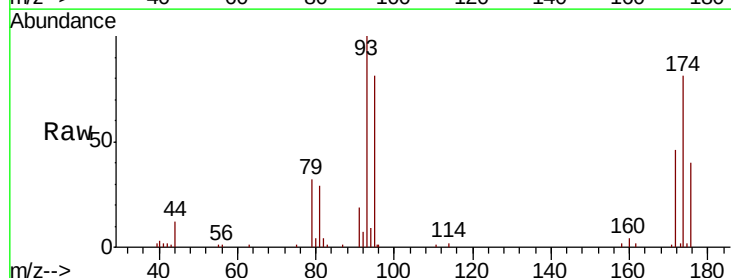
Tgt Ion: 93 Resp: 31751

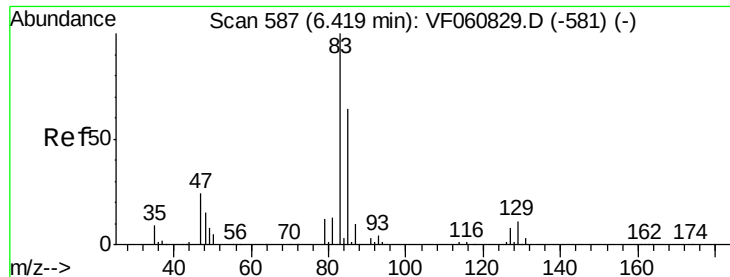
Ion Ratio Lower Upper

93 100

95 81.1 64.7 97.1

174 80.8 73.0 109.6





#47

Bromodichloromethane

Concen: 20.419 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.03 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

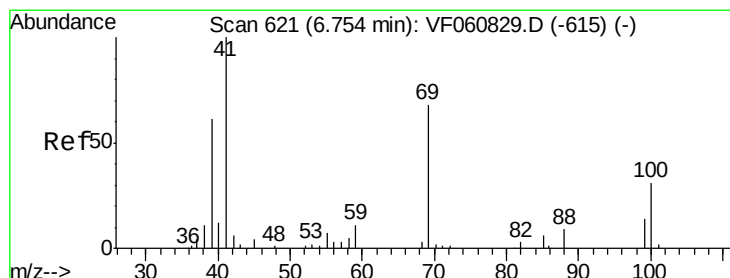
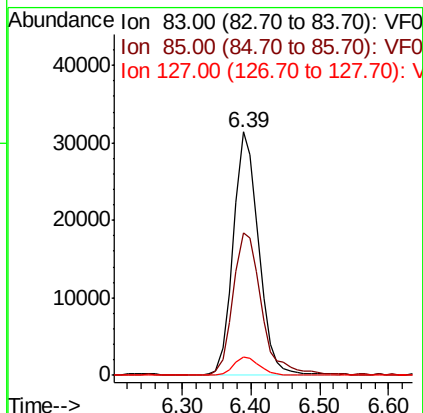
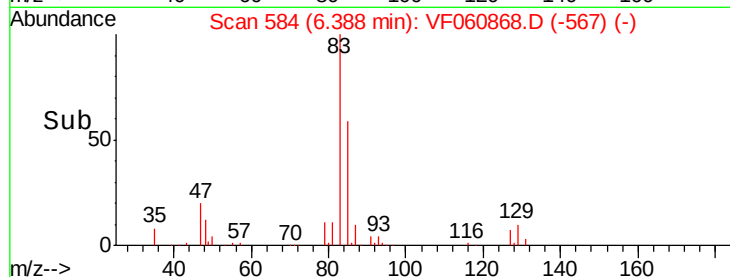
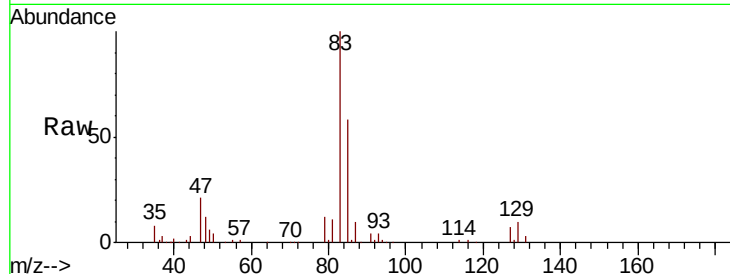
ClientSampleId :

VF1129SBS01

Tot Ion:	83	Resp:	80430
Ion	Ratio	Lower	Upper
83	100		
85	58.5	51.1	76.7
127	7.3	6.8	10.2

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#48

Methyl methacrylate

Concen: 18.978 ug/l

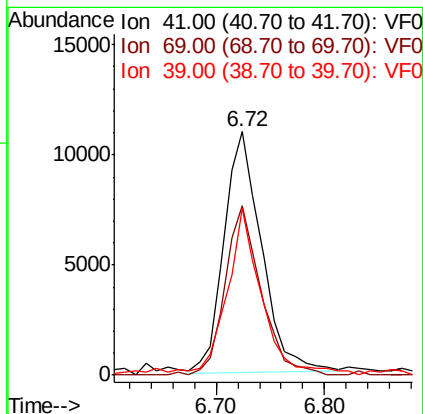
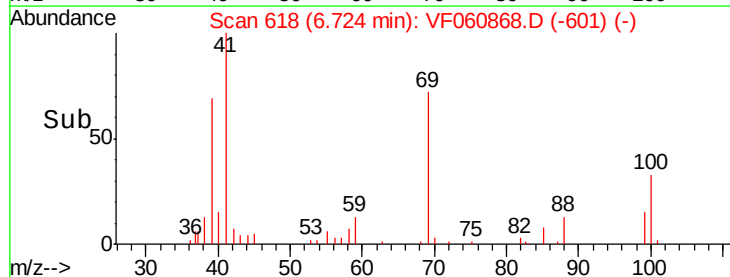
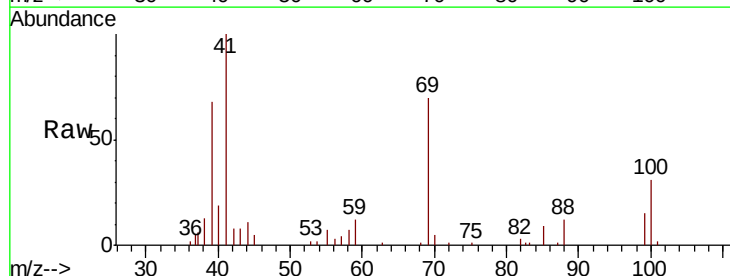
RT: 6.72 min Scan# 618

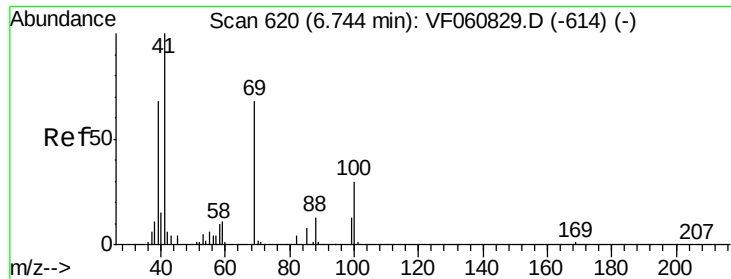
Delta R.T. -0.03 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Tgt Ion:	41	Resp:	26599
Ion	Ratio	Lower	Upper
41	100		
69	69.6	53.9	80.9
39	68.4	49.0	73.6





#49

1,4-Dioxane

Concen: 430.510 ug/l

RT: 6.72 min Scan# 618

Delta R.T. -0.02 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

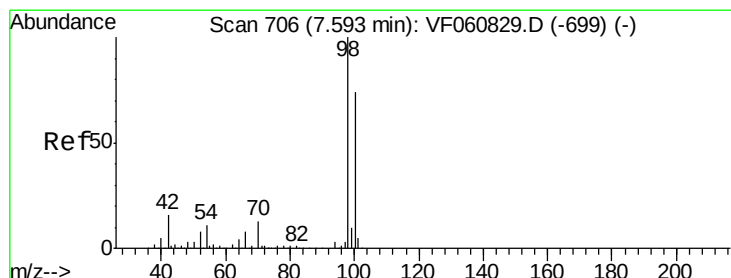
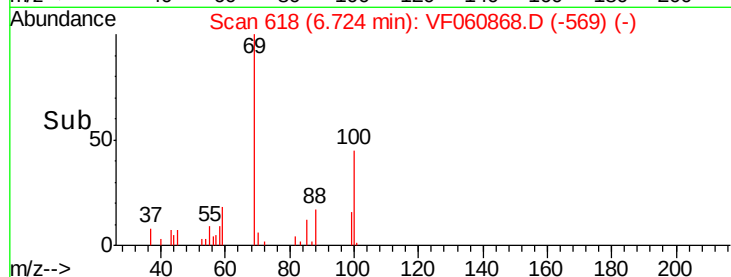
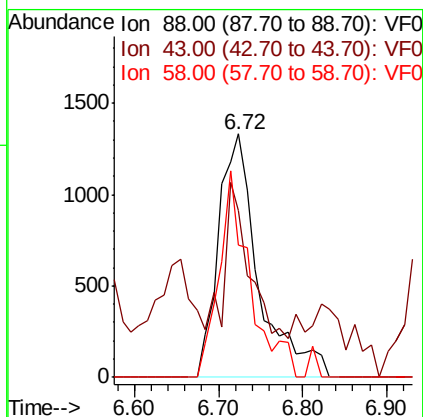
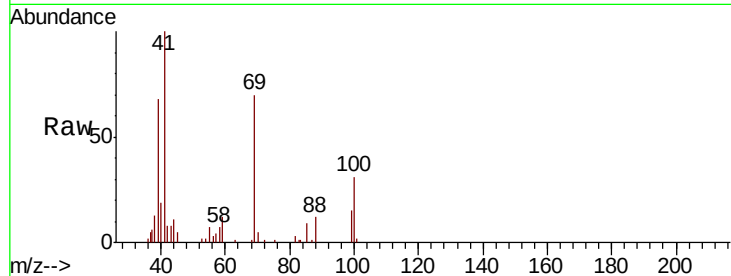
ClientSampleId :

VF1129SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	68.5	42.0	63.0#	
58	54.5	61.8	92.8#	

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#50

Toluene-d8

Concen: 47.700 ug/l

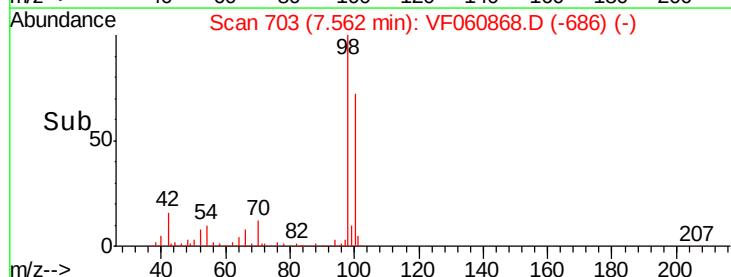
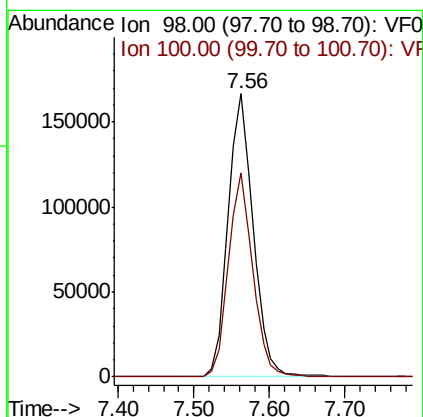
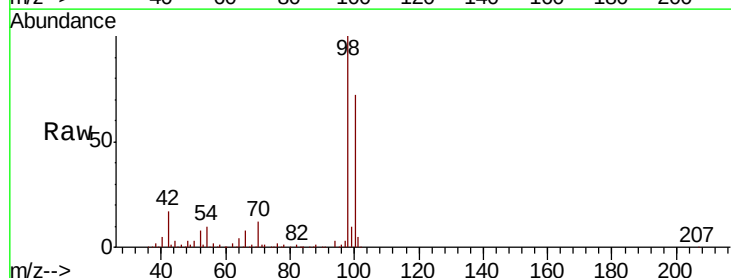
RT: 7.56 min Scan# 703

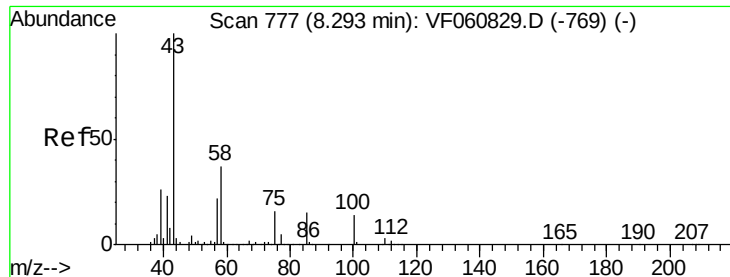
Delta R.T. -0.03 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	72.0	59.3	88.9	





#51

4-Methyl-2-Pentanone

Concen: 94.772 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.02 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

VF1129SBS01

Tot Ion: 43 Resp: 135322

Ion Ratio Lower Upper

43 100

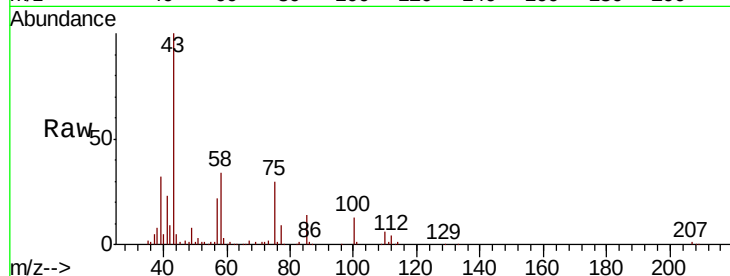
58 34.3 29.7 44.5

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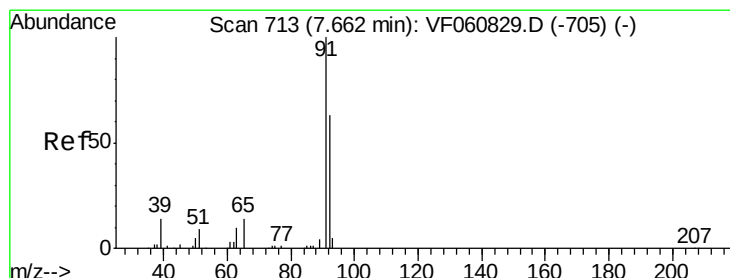
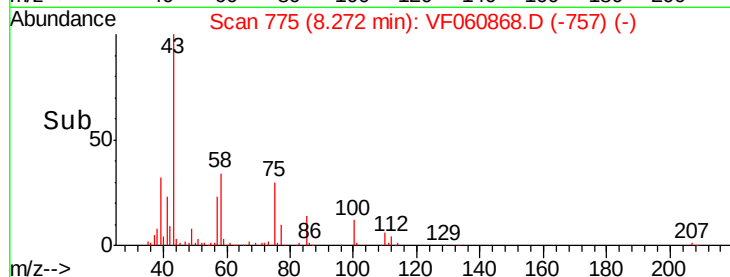
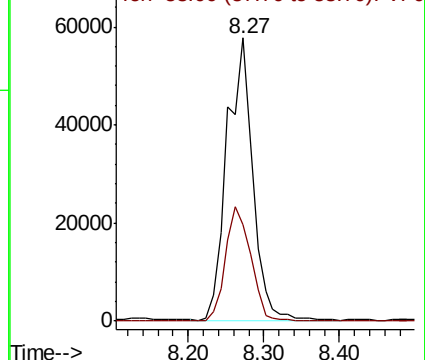
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 19.202 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.03 min

Lab File: VF060868.D

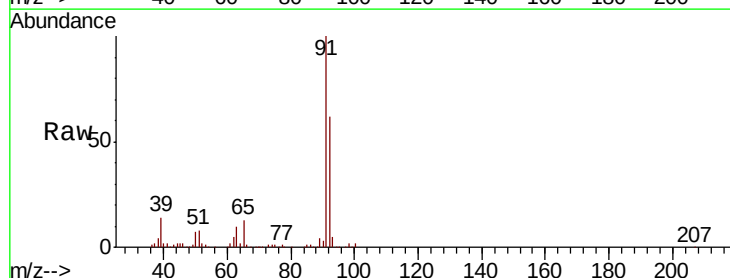
Acq: 29 Nov 2018 15:39

Tgt Ion: 92 Resp: 113533

Ion Ratio Lower Upper

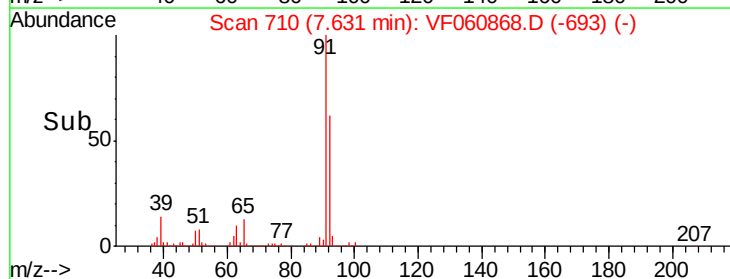
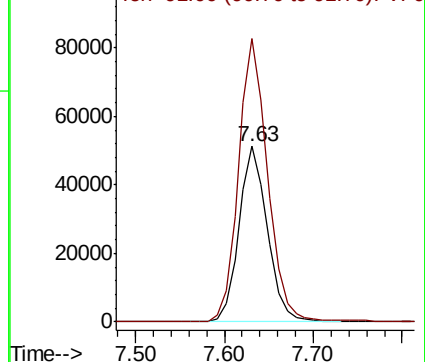
92 100

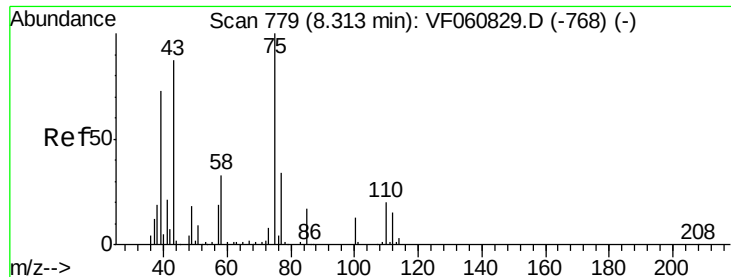
91 161.1 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





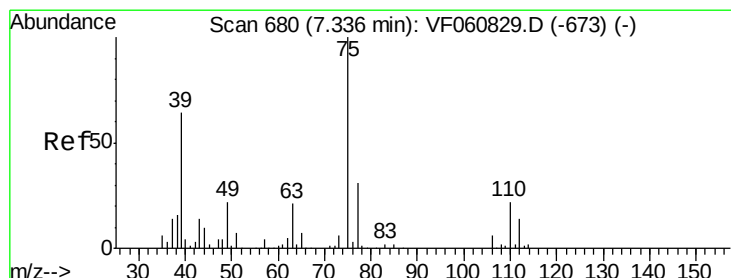
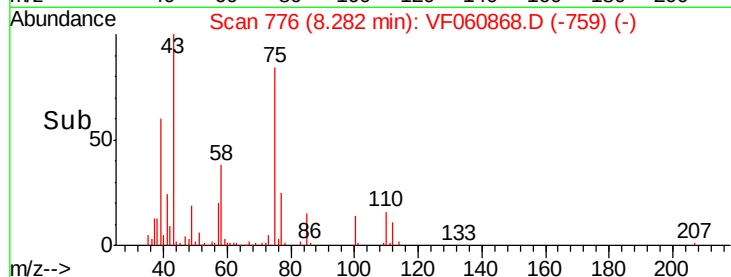
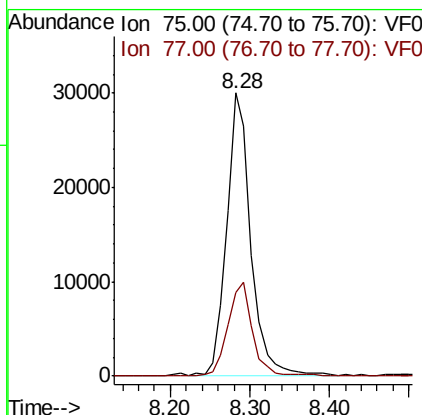
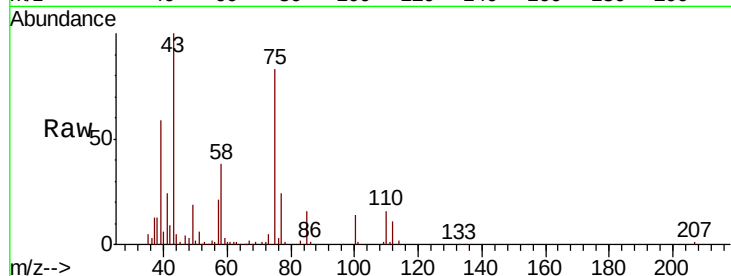
#53
 t-1,3-Dichloropropene
 Concen: 19.708 ug/l
 RT: 8.28 min Scan# 776
 Delta R.T. -0.03 min
 Lab File: VF060868.D
 Acq: 29 Nov 2018 15:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1129SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.4	27.4	41.2

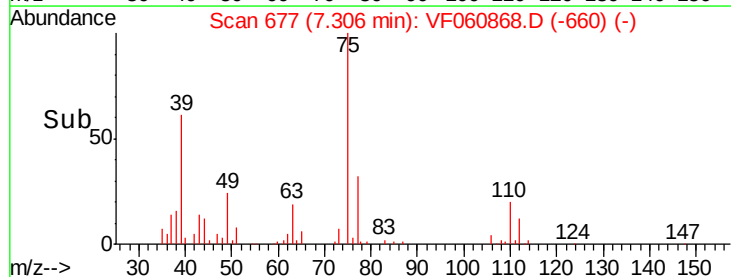
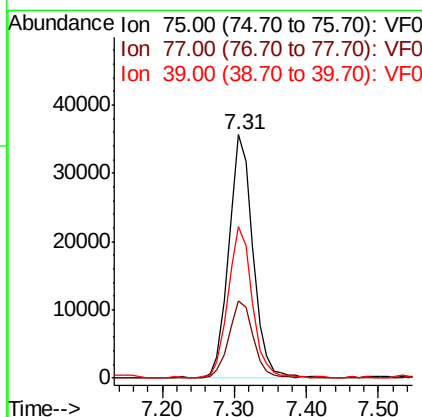
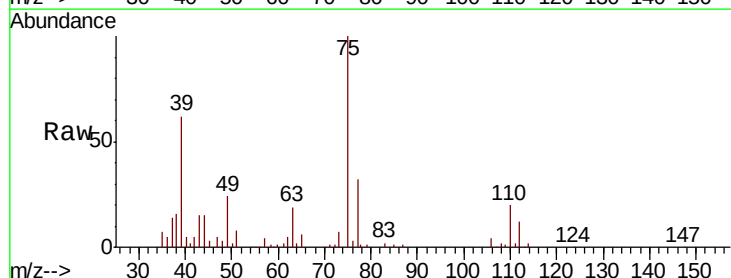
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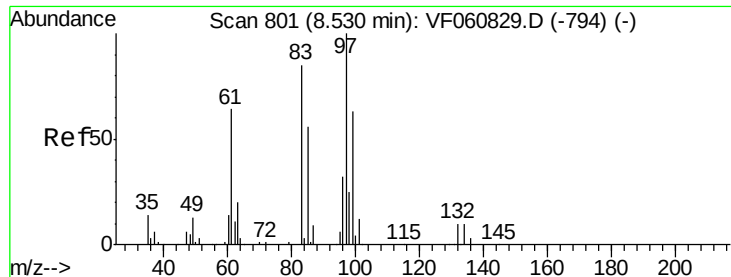
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#54
 cis-1,3-Dichloropropene
 Concen: 21.036 ug/l
 RT: 7.31 min Scan# 677
 Delta R.T. -0.03 min
 Lab File: VF060868.D
 Acq: 29 Nov 2018 15:39

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.0	37.6
39	62.4	51.1	76.7





#55

1,1,2-Trichloroethane

Concen: 19.848 ug/l

RT: 8.50 min Scan# 798

Delta R.T. -0.03 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

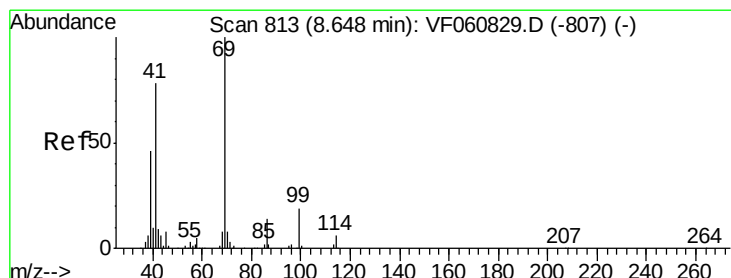
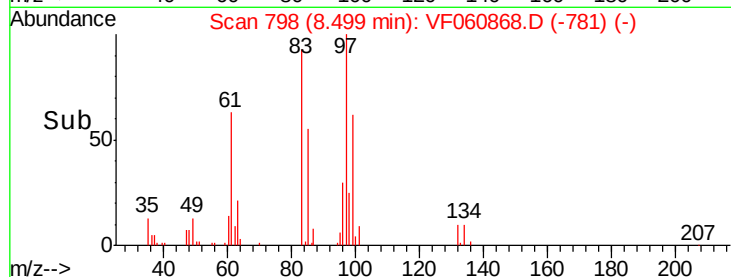
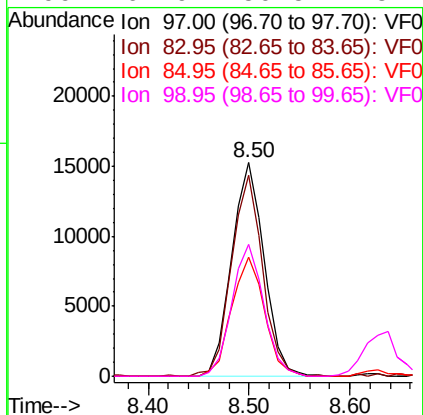
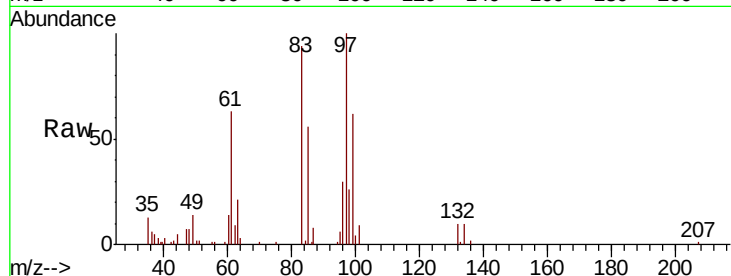
ClientSampleId :

VF1129SBS01

Tot Ion:	97	Resp:	34195
Ion	Ratio	Lower	Upper
97	100		
83	94.2	67.8	101.6
85	55.9	45.0	67.6
99	61.9	50.5	75.7

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#56

Ethyl methacrylate

Concen: 18.817 ug/l

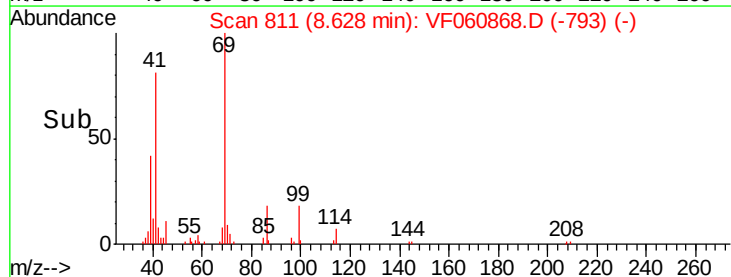
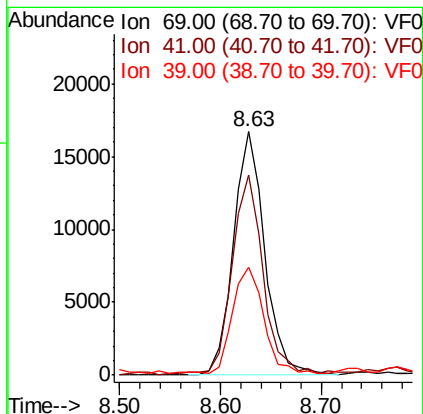
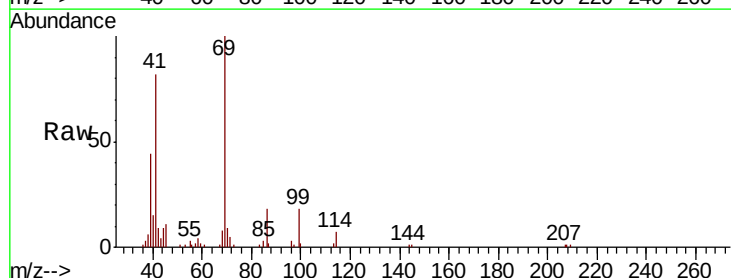
RT: 8.63 min Scan# 811

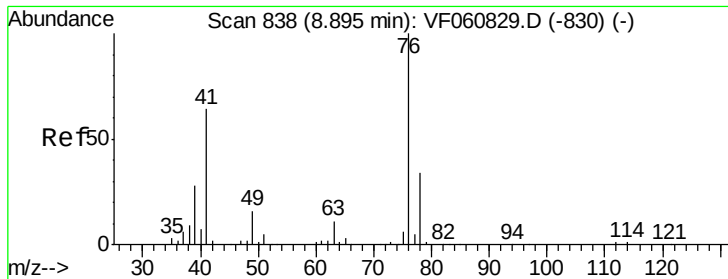
Delta R.T. -0.02 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Tgt Ion:	69	Resp:	36013
Ion	Ratio	Lower	Upper
69	100		
41	82.0	62.6	94.0
39	44.2	37.8	56.6





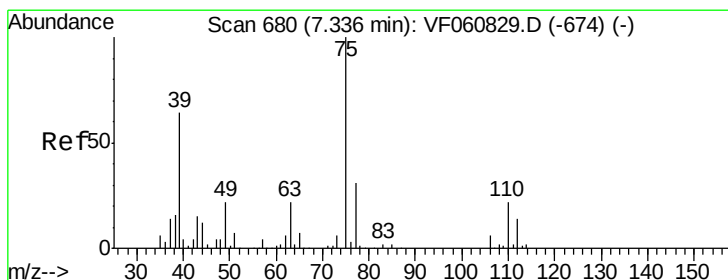
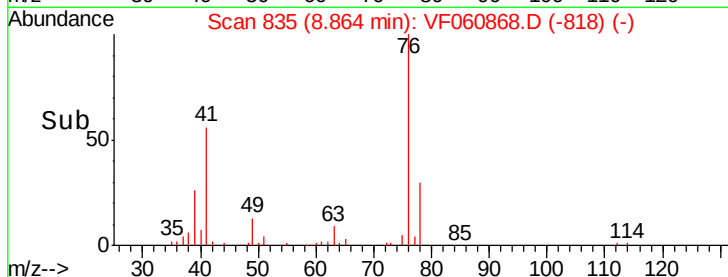
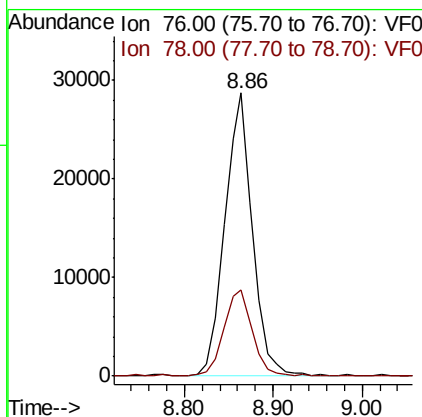
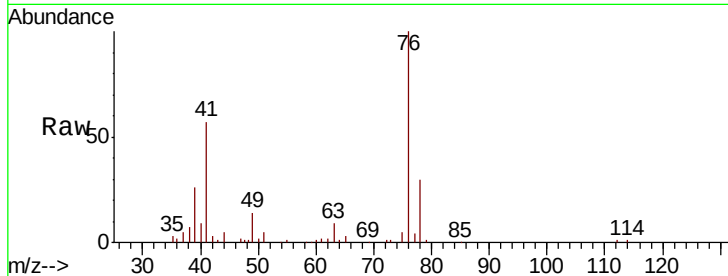
#57
 1,3-Dichloropropane
 Concen: 20.704 ug/l
 RT: 8.86 min Scan# 835
 Delta R.T. -0.03 min
 Lab File: VF060868.D
 Acq: 29 Nov 2018 15:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1129SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	30.3	27.0	40.4

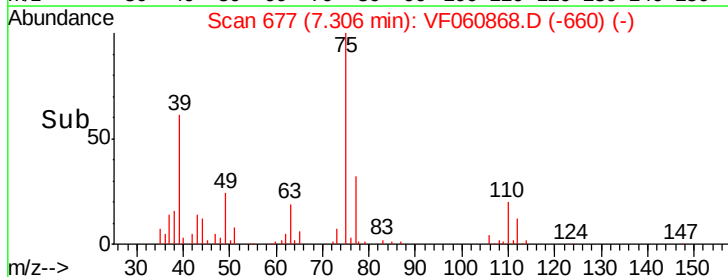
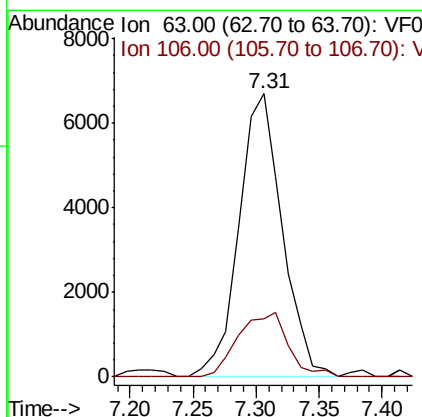
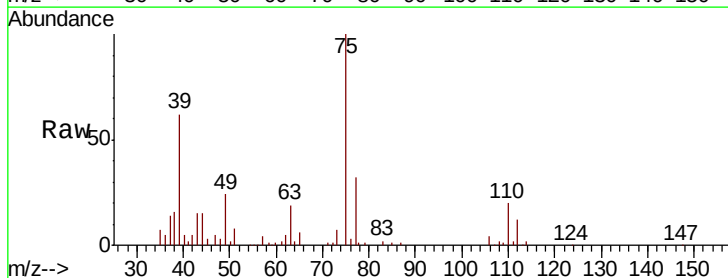
Manual Integrations
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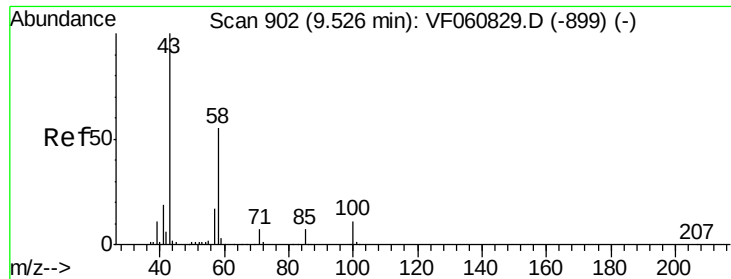
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#58
 2-Chloroethyl Vinyl ether
 Concen: 81.685 ug/l
 RT: 7.31 min Scan# 677
 Delta R.T. -0.03 min
 Lab File: VF060868.D
 Acq: 29 Nov 2018 15:39

Tgt Ion	Ratio	Lower	Upper
63	100		
106	20.3	23.0	34.6#





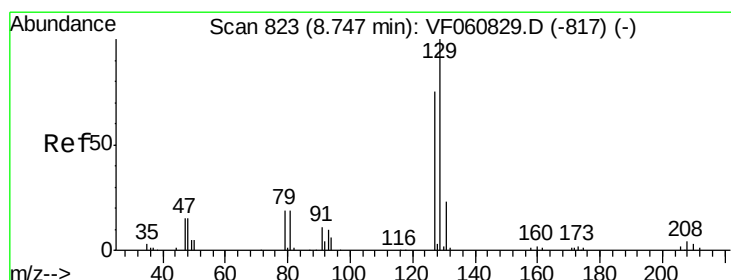
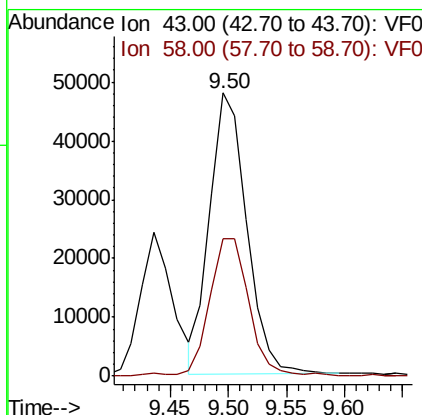
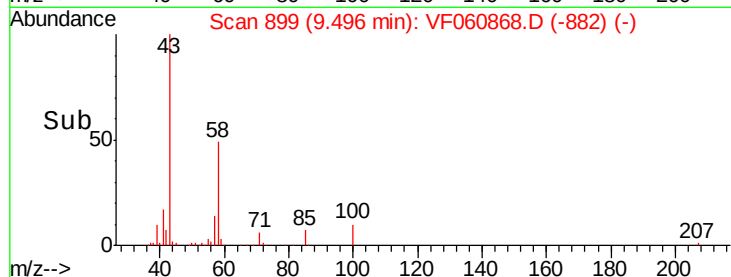
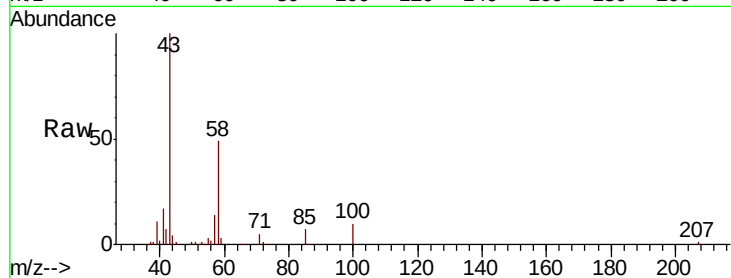
#59
2-Hexanone
Concen: 105.644 ug/l
RT: 9.50 min Scan# 899
Delta R.T. -0.03 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Instrument :
MSVOA_F
ClientSampleId :
VF1129SBS01

Tot Ion	43	Resp	105827
Ion Ratio	43	100	
Lower	58	48.5	25.6
Upper			76.6

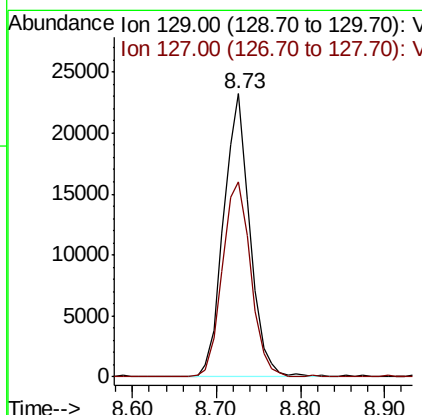
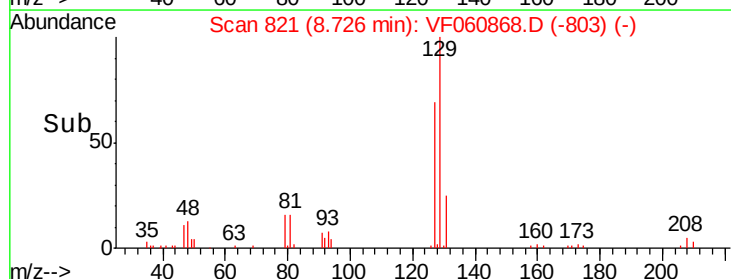
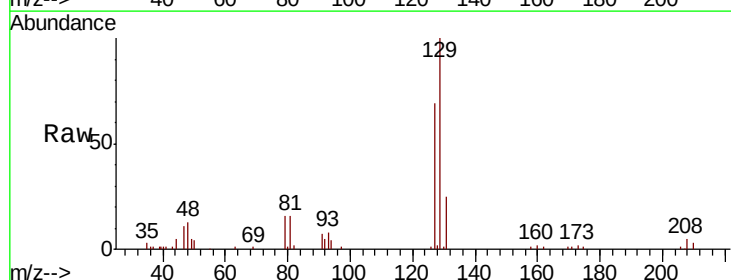
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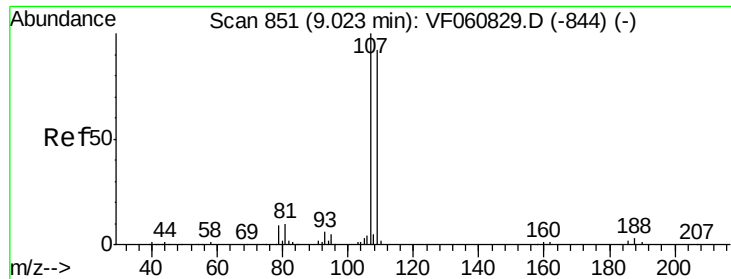
apatel
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#60
Dibromochloromethane
Concen: 19.578 ug/l
RT: 8.73 min Scan# 821
Delta R.T. -0.02 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Tgt Ion	129	Resp	50257
Ion Ratio <th>129</th> <td>100</td> <td></td>	129	100	
Lower <th>127</th> <td>68.7</td> <td>37.3</td>	127	68.7	37.3
Upper <td></td> <td></td> <td>111.9</td>			111.9





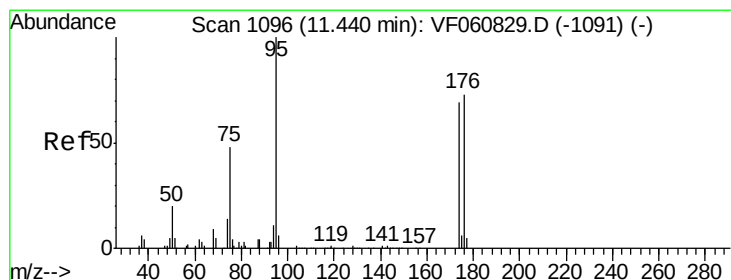
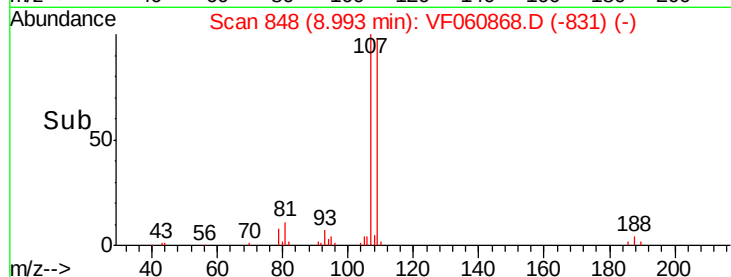
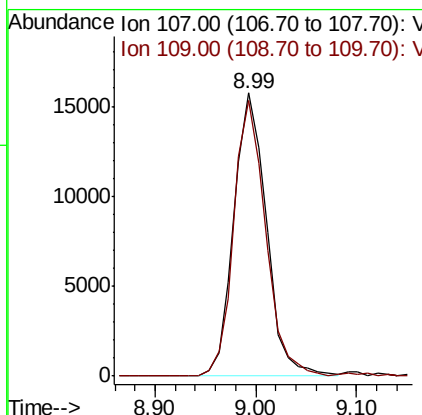
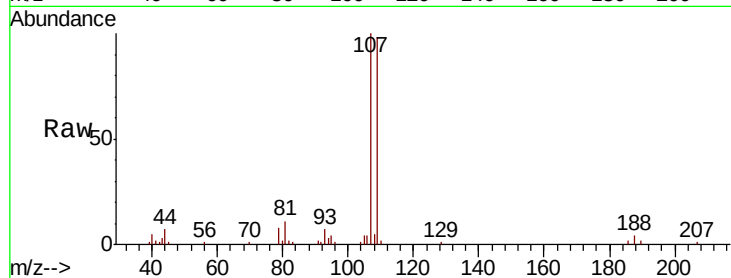
#61
 1,2-Dibromoethane
 Concen: 19.074 ug/l
 RT: 8.99 min Scan# 848
 Delta R.T. -0.03 min
 Lab File: VF060868.D
 Acq: 29 Nov 2018 15:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1129SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.6	73.6	110.4

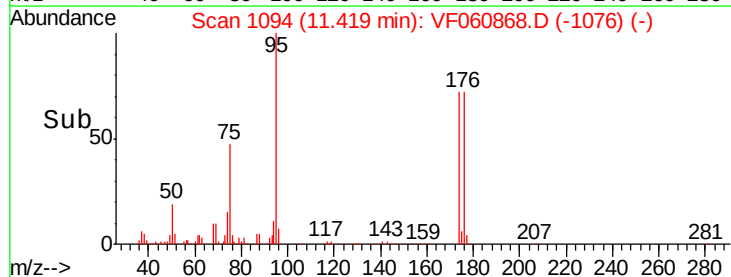
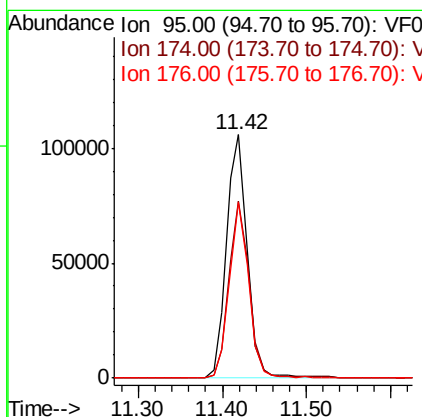
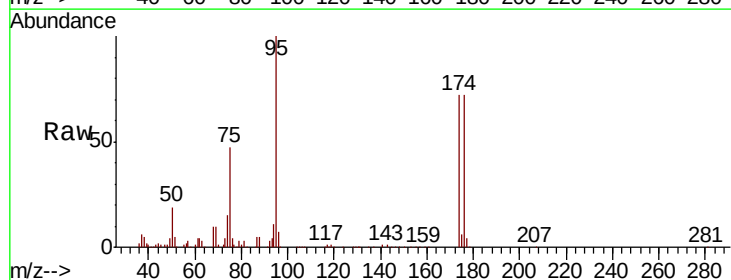
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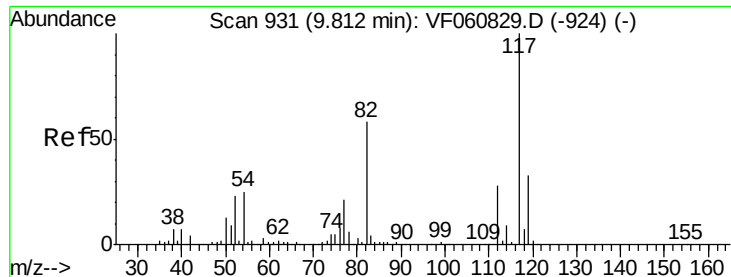
apatel
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#62
 4-Bromofluorobenzene
 Concen: 49.675 ug/l
 RT: 11.42 min Scan# 1094
 Delta R.T. -0.02 min
 Lab File: VF060868.D
 Acq: 29 Nov 2018 15:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.5	0.0	138.2
176	72.0	0.0	146.2





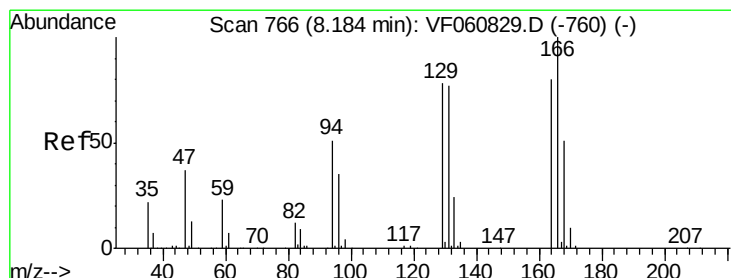
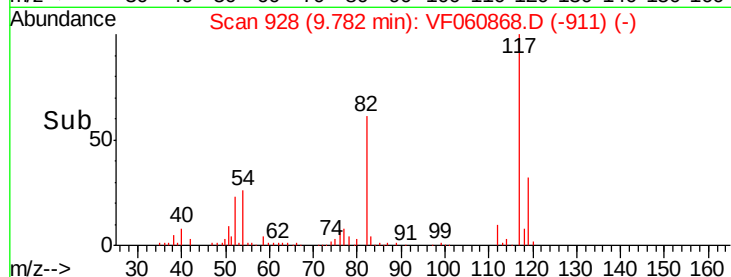
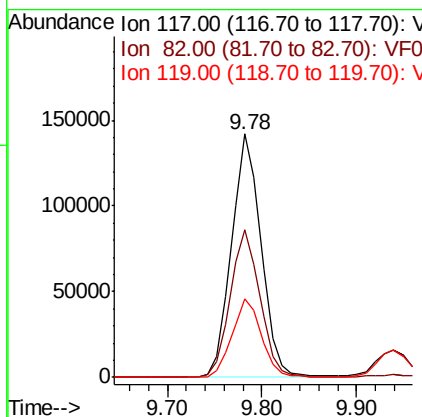
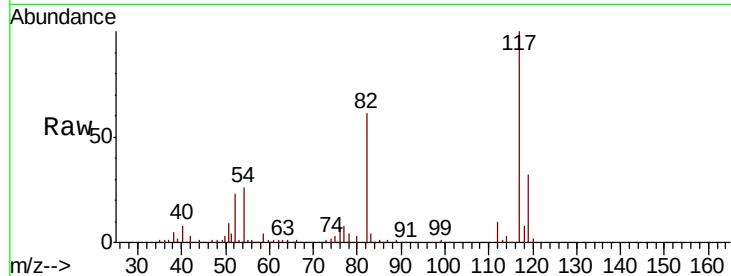
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.03 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Instrument :
MSVOA_F
ClientSampleId :
VF1129SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	308602		
82	60.6		46.6	69.8
119	32.0		26.4	39.6

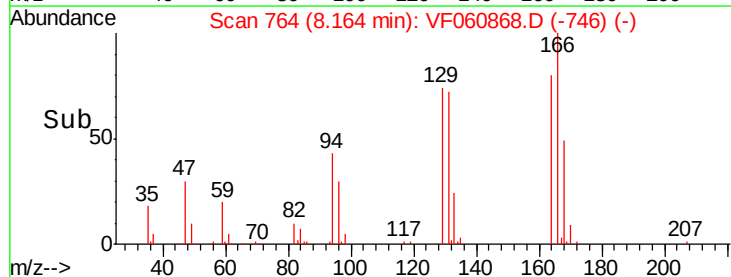
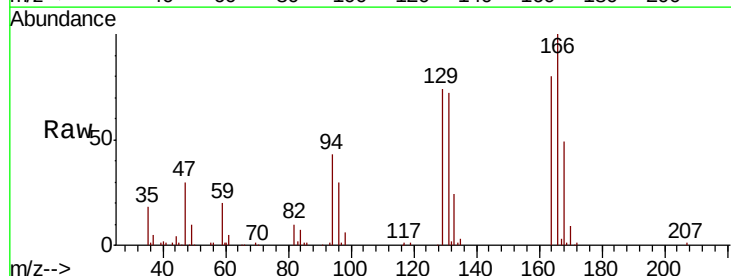
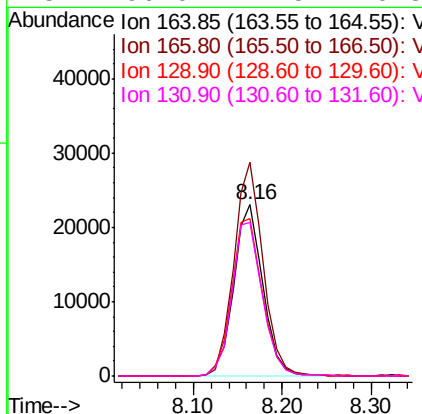
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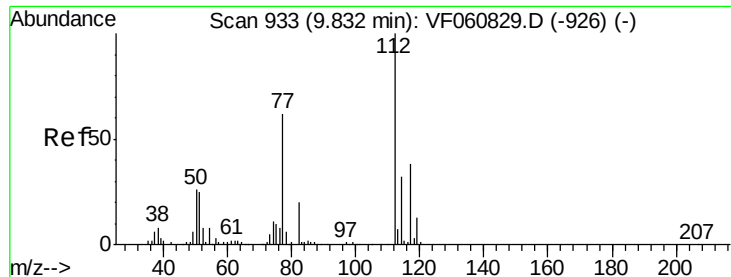
apatel
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#64
Tetrachloroethene
Concen: 22.223 ug/l
RT: 8.16 min Scan# 764
Delta R.T. -0.02 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	52382		
166	124.9		100.3	150.5
129	91.8		77.9	116.9
131	90.0		77.5	116.3





#65

Chlorobenzene

Concen: 21.513 ug/l

RT: 9.80 min Scan# 930

Delta R.T. -0.03 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

VF1129SBS01

Tot Ion:112 Resp: 129155

Ion Ratio Lower Upper

112 100

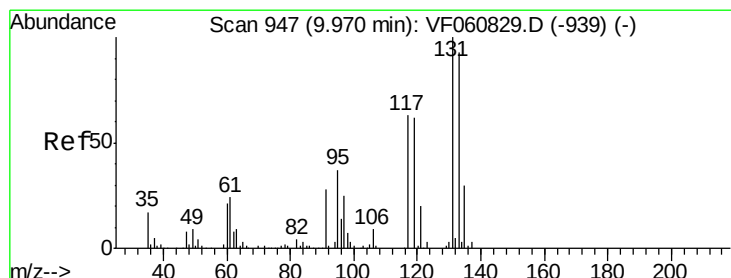
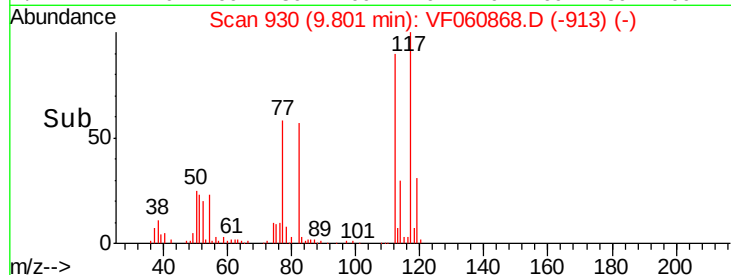
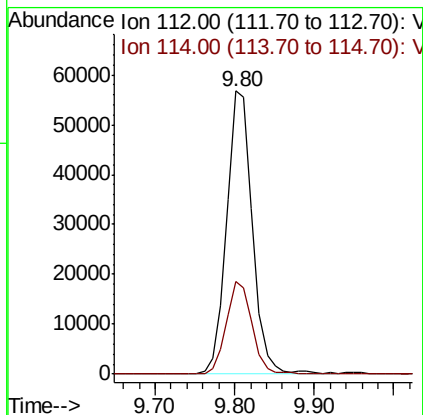
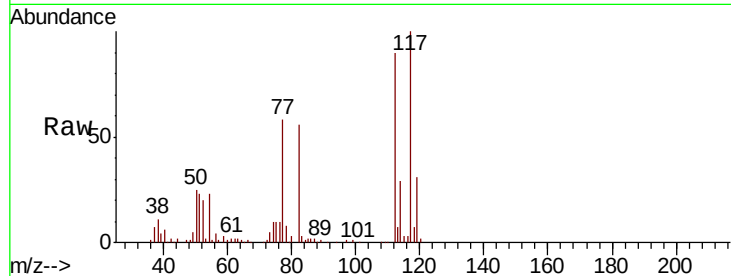
114 32.7 26.0 39.0

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.155 ug/l

RT: 9.94 min Scan# 944

Delta R.T. -0.03 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

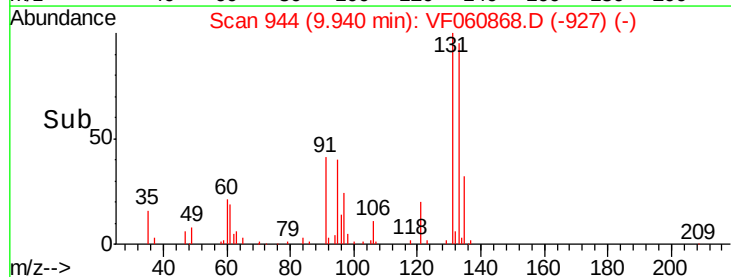
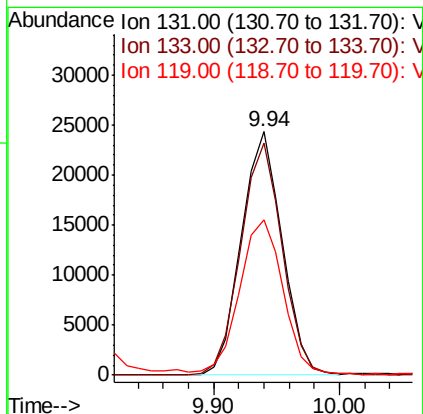
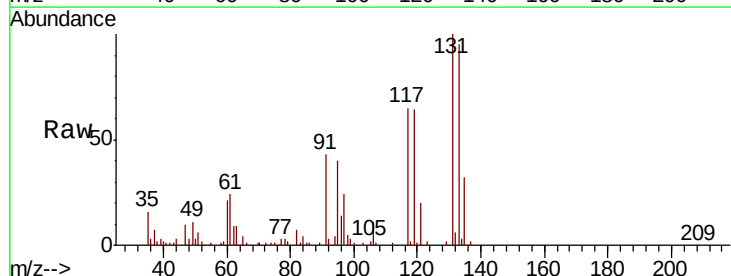
Tgt Ion:131 Resp: 54598

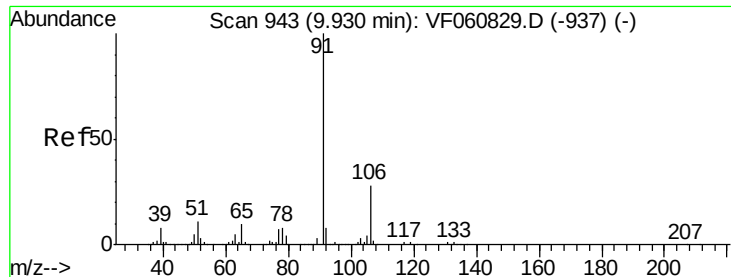
Ion Ratio Lower Upper

131 100

133 95.1 46.5 139.3

119 63.9 31.1 93.3





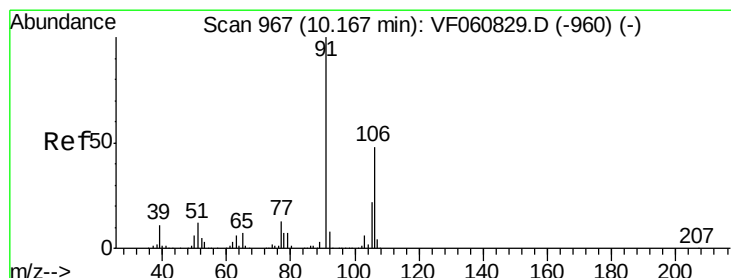
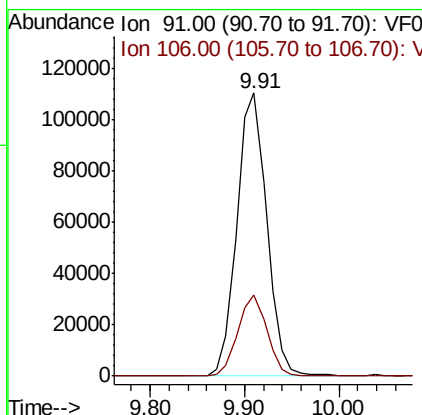
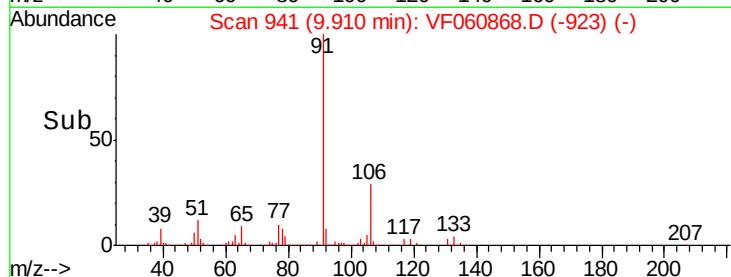
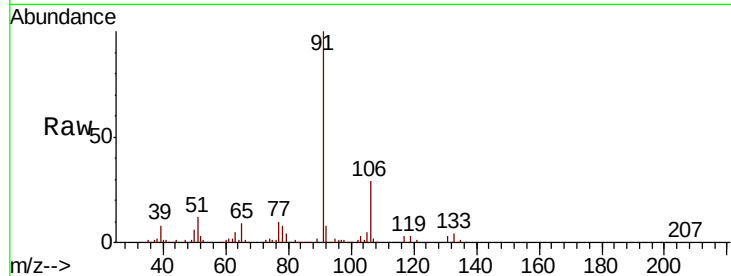
#67
Ethyl Benzene
Concen: 21.690 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.02 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Instrument :
MSVOA_F
ClientSampleId :
VF1129SBS01

Tot Ion: 91 Resp: 242418
Ion Ratio Lower Upper
91 100
106 28.8 22.2 33.2

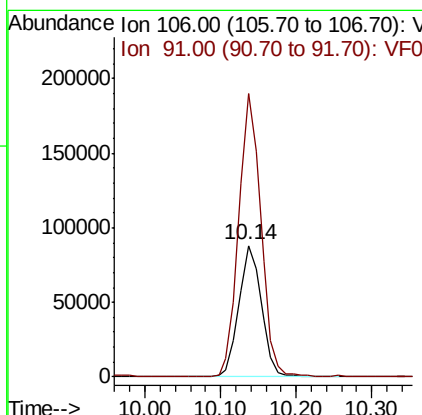
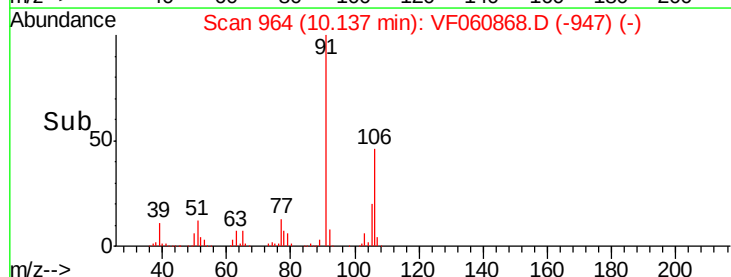
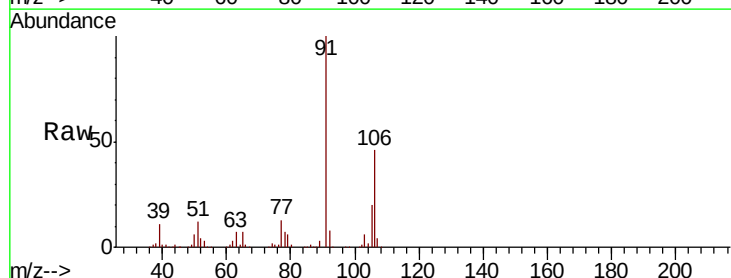
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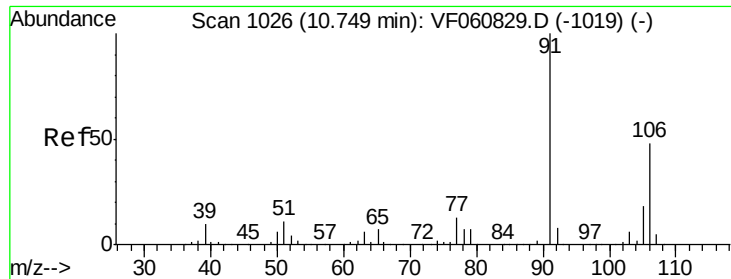
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#68
m/p-Xylenes
Concen: 45.219 ug/l
RT: 10.14 min Scan# 964
Delta R.T. -0.03 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Tgt Ion: 106 Resp: 181770
Ion Ratio Lower Upper
106 100
91 216.0 166.7 250.1





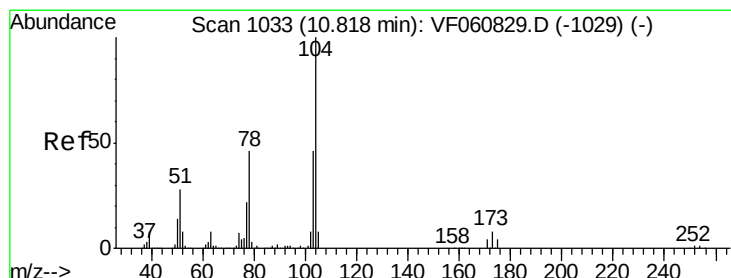
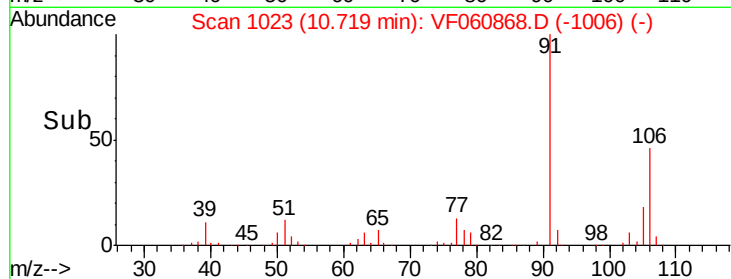
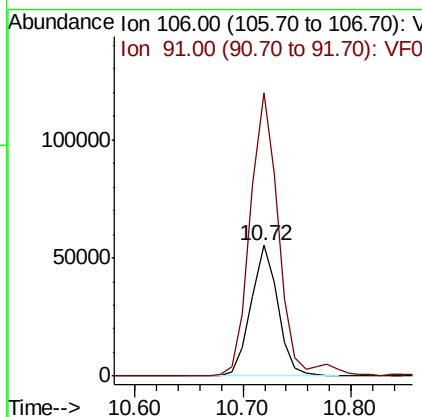
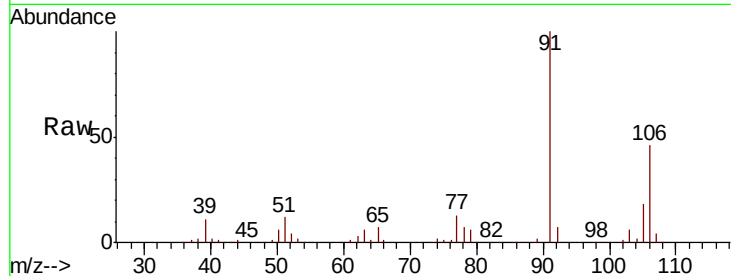
#69
o-Xylene
Concen: 21.795 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.03 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Instrument :
MSVOA_F
ClientSampleId :
VF1129SBS01

Tot Ion:106 Resp: 96611
Ion Ratio Lower Upper
106 100
91 216.5 104.8 314.6

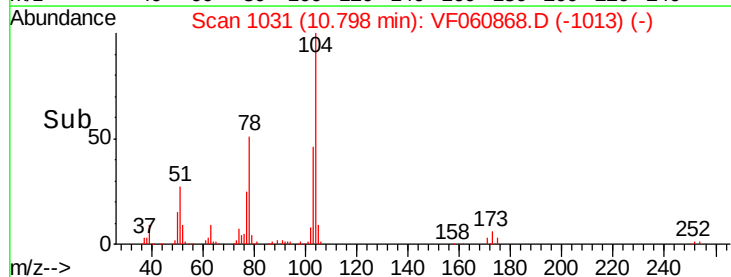
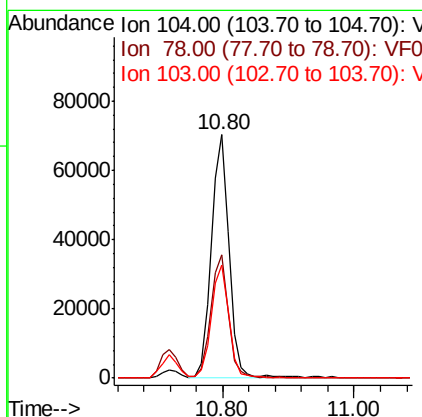
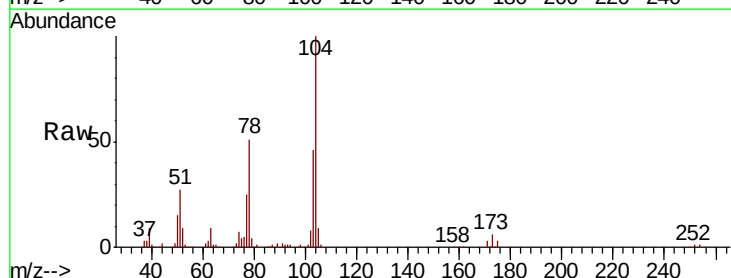
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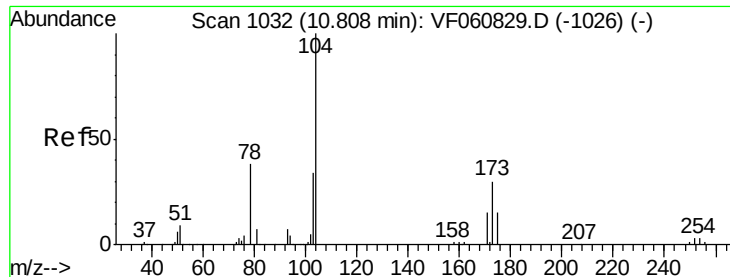
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#70
Styrene
Concen: 20.938 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. -0.02 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Tgt Ion:104 Resp: 128656
Ion Ratio Lower Upper
104 100
78 50.5 37.3 55.9
103 46.4 36.8 55.2





#71

Bromoform

Concen: 19.882 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. -0.03 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

VF1129SBS01

Tot Ion:173 Resp: 24786

Ion Ratio Lower Upper

173 100

175 51.6 25.5 76.5

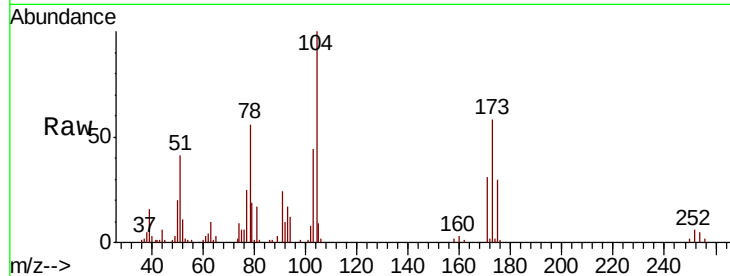
254 8.9 7.5 11.3

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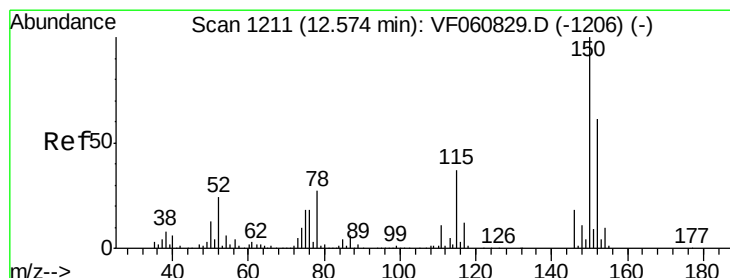
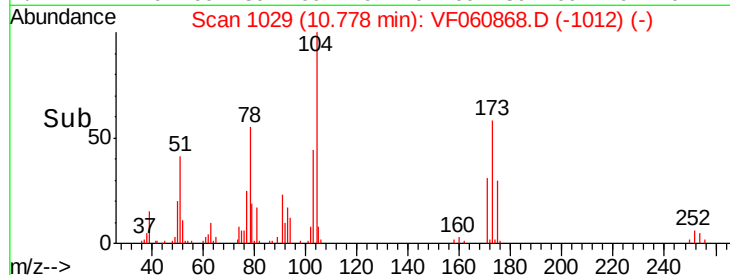
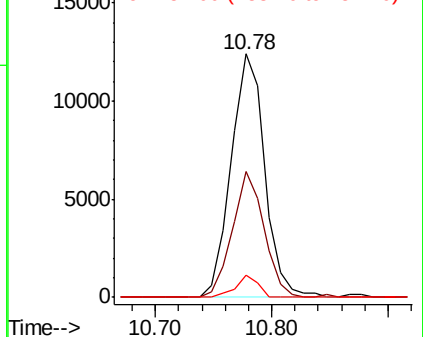
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Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.02 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

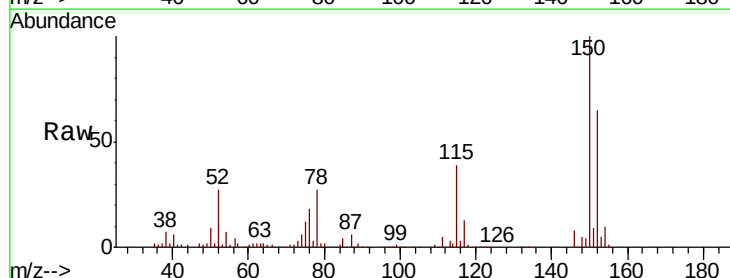
Tgt Ion:152 Resp: 172625

Ion Ratio Lower Upper

152 100

115 60.0 30.1 90.5

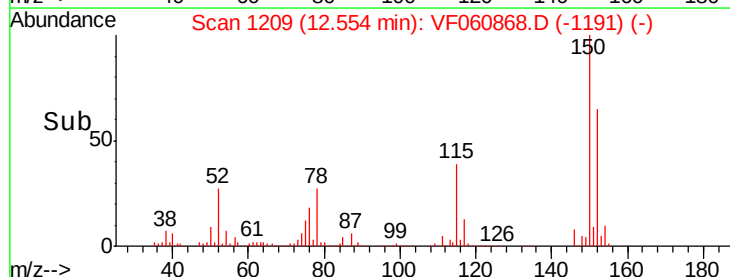
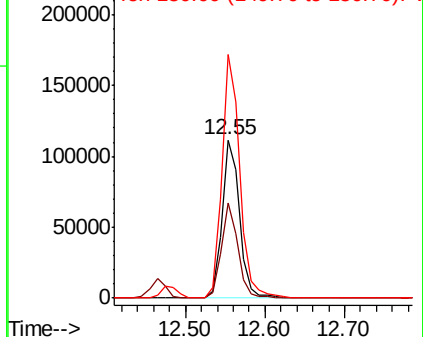
150 154.2 0.0 327.6

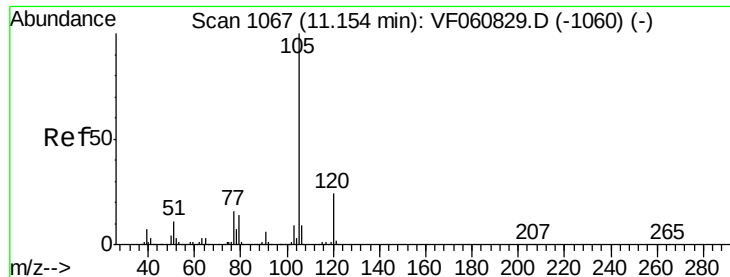


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.306 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. -0.02 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

VF1129SBS01

Tot Ion:105 Resp: 290653

Ion Ratio Lower Upper

105 100

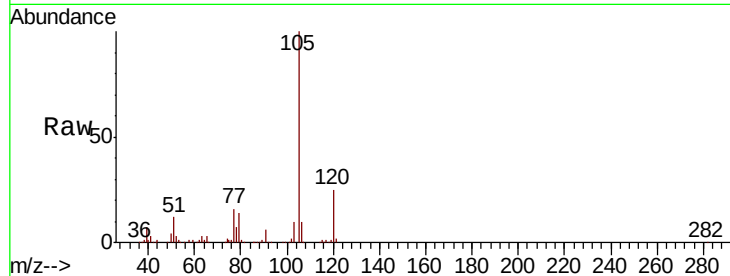
120 25.5 12.2 36.4

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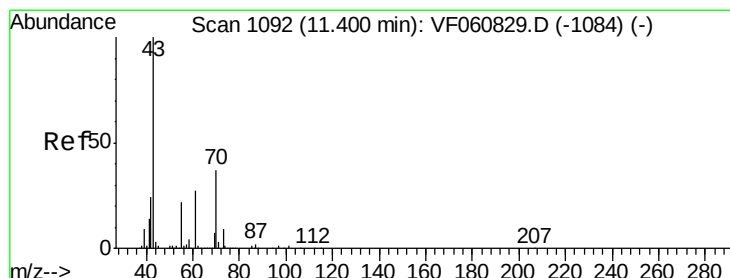
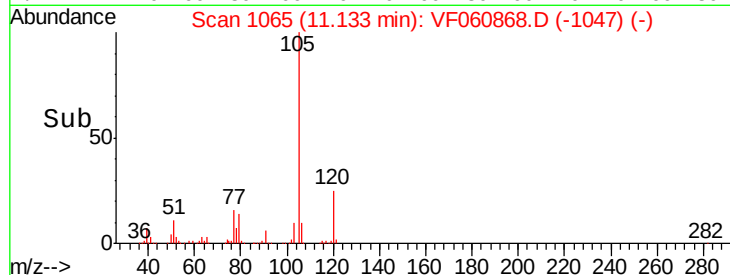
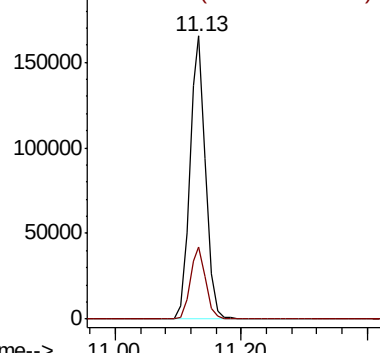
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.554 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. -0.02 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Tgt Ion: 43 Resp: 64747

Ion Ratio Lower Upper

43 100

70 35.1 29.6 44.4

55 20.2 17.2 25.8

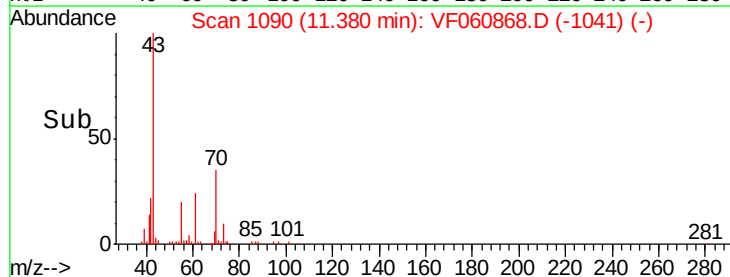
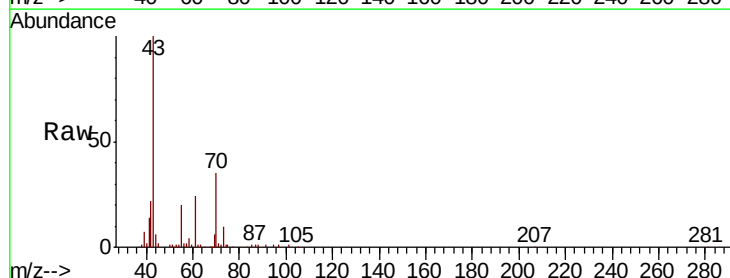
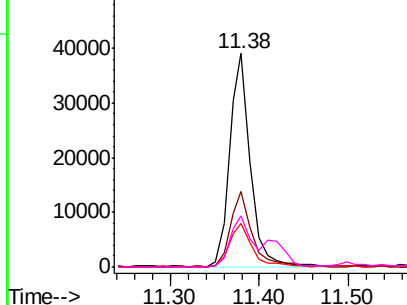
61 23.8 21.8 32.6

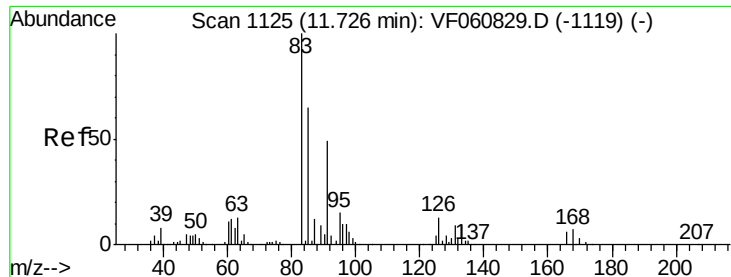
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 21.600 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. -0.02 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

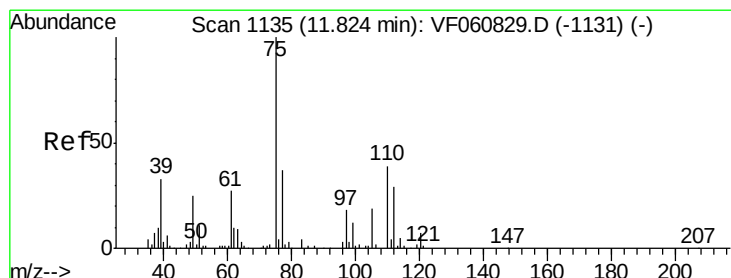
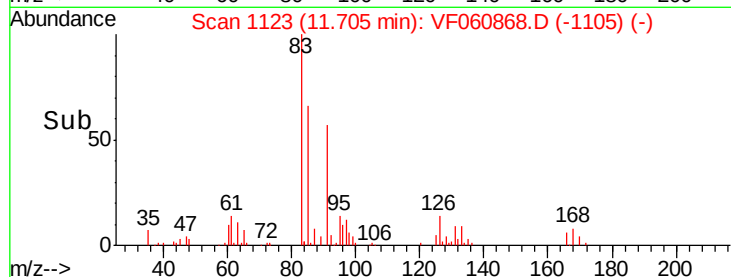
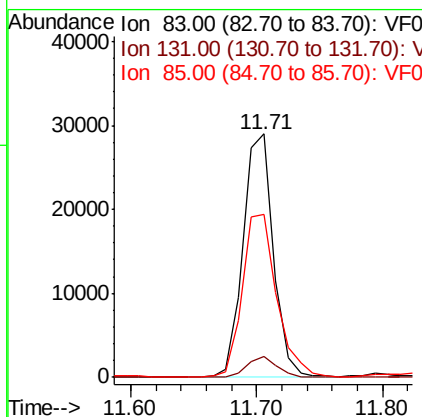
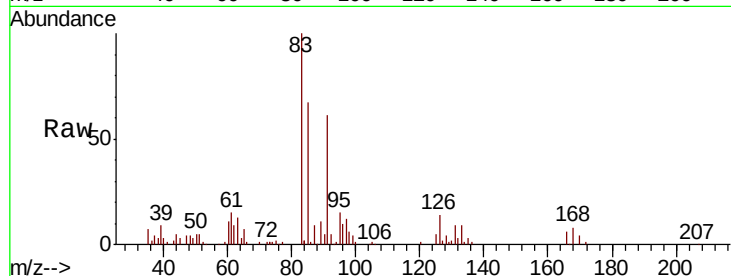
ClientSampleId :

VF1129SBS01

Tot Ion	83	Resp	48494
Ion Ratio	100	Lower	Upper
83	100		
131	8.5	4.7	14.1
85	66.7	32.6	97.8

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#76

1,2,3-Trichloropropane

Concen: 20.915 ug/l

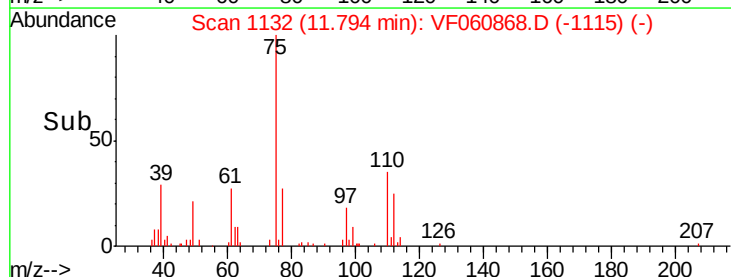
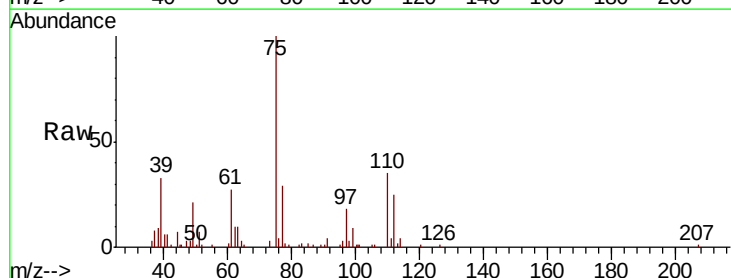
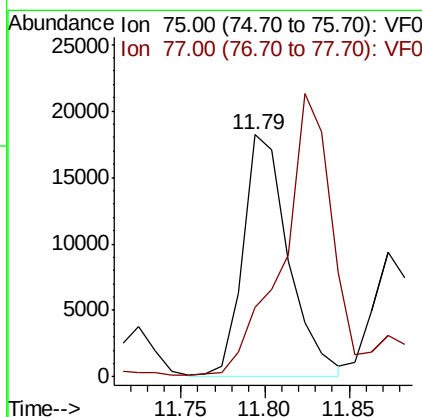
RT: 11.79 min Scan# 1132

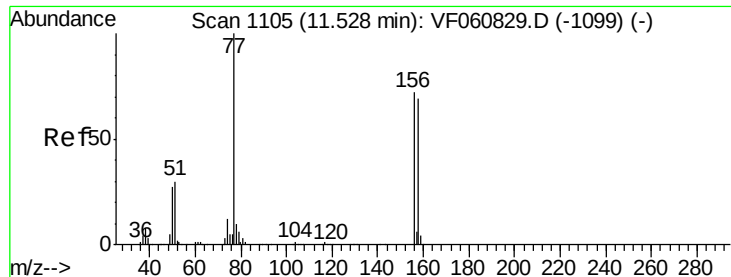
Delta R.T. -0.03 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Tgt Ion	75	Resp	34131
Ion Ratio	100	Lower	Upper
75	100		
77	29.0	18.4	55.4





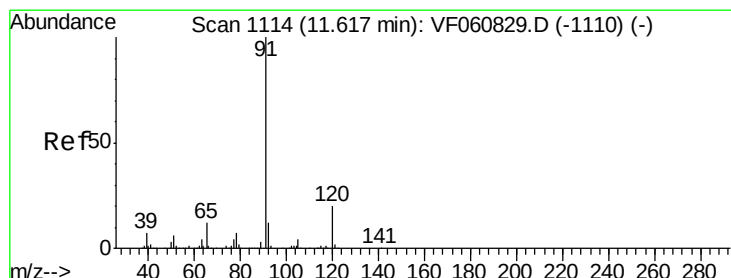
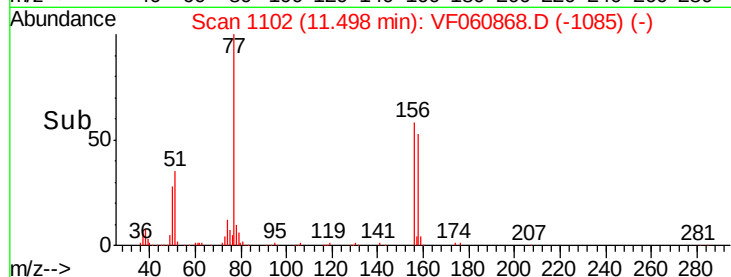
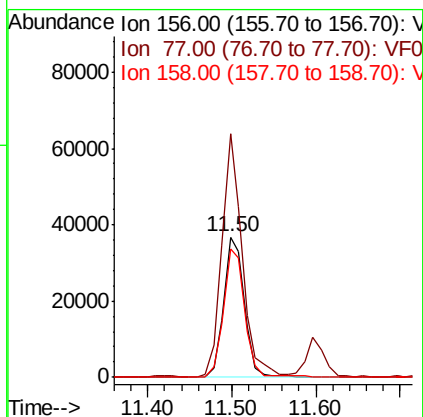
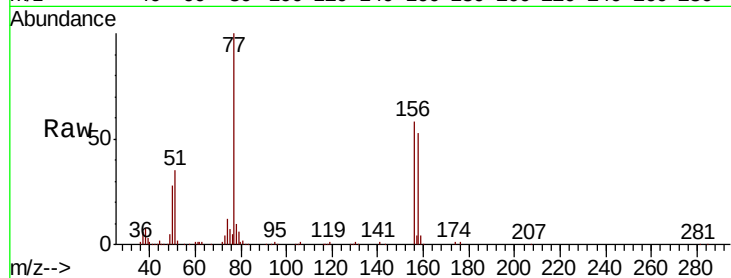
#77
Bromobenzene
Concen: 20.937 ug/l
RT: 11.50 min Scan# 1102
Delta R.T. -0.03 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Instrument :
MSVOA_F
ClientSampleId :
VF1129SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	173.6	69.7	209.0	
158	91.7	47.8	143.4	

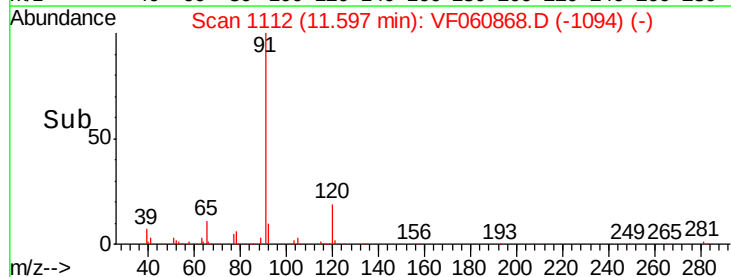
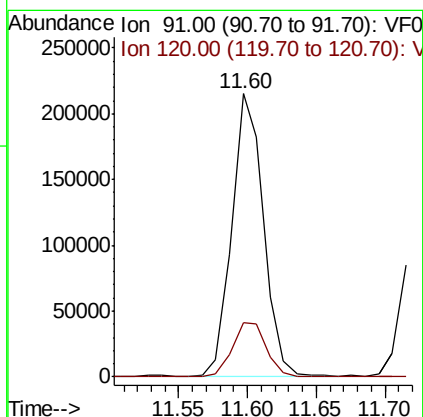
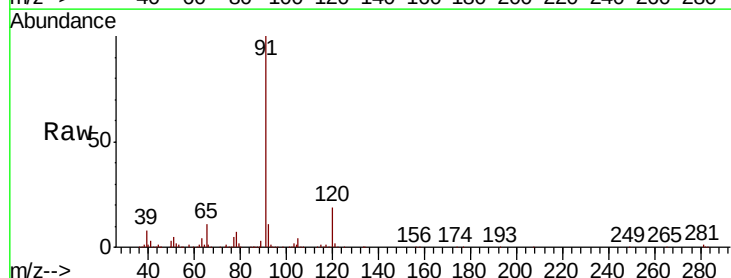
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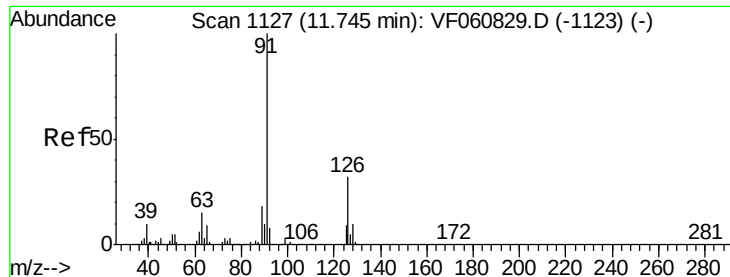
apatel
12/3/2018 11:58:20 AM



#78
n-propylbenzene
Concen: 21.447 ug/l
RT: 11.60 min Scan# 1112
Delta R.T. -0.02 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	19.4	10.3	30.8	





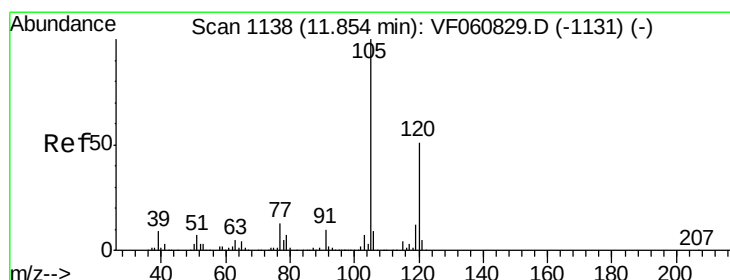
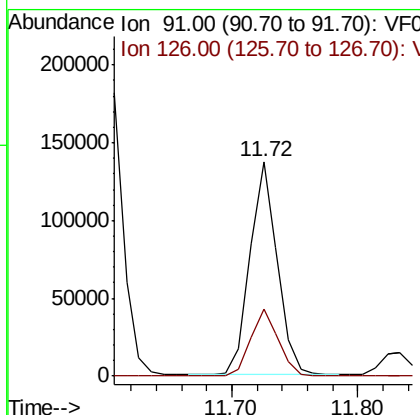
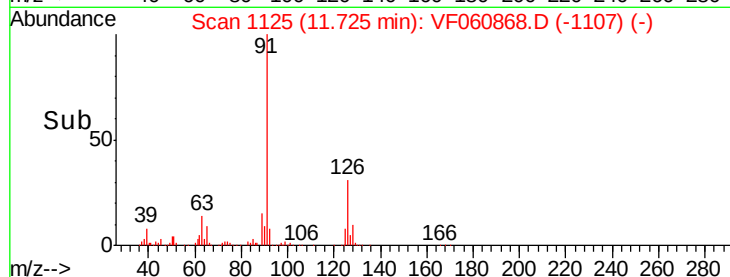
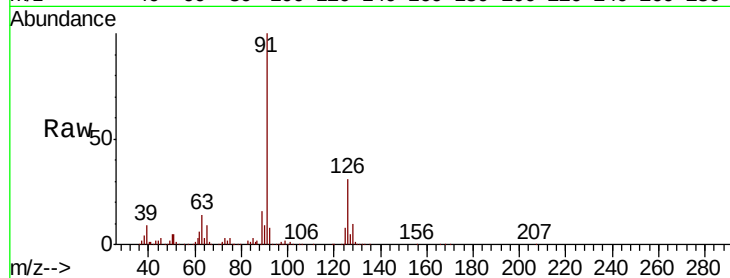
#79
2-Chlorotoluene
Concen: 22.530 ug/l
RT: 11.72 min Scan# 1125
Delta R.T. -0.02 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Instrument :
MSVOA_F
ClientSampleId :
VF1129SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.9	47.6

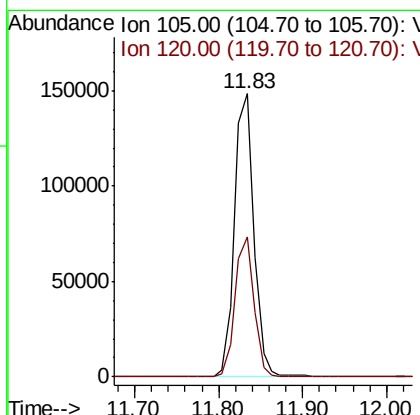
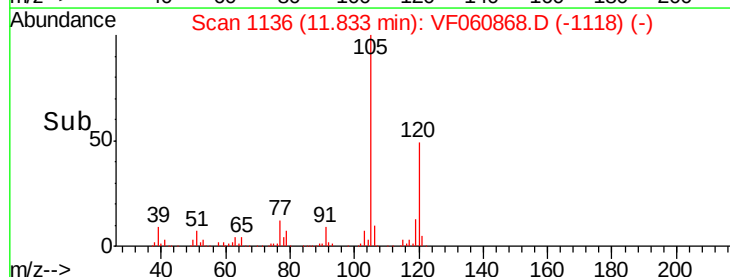
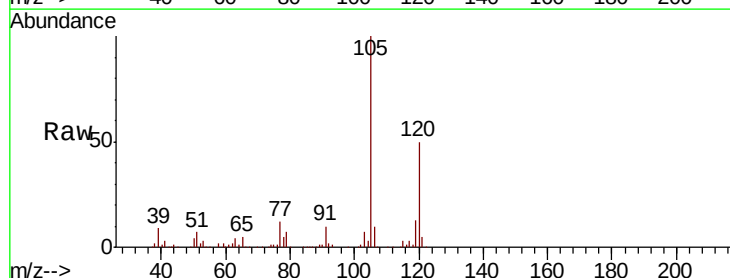
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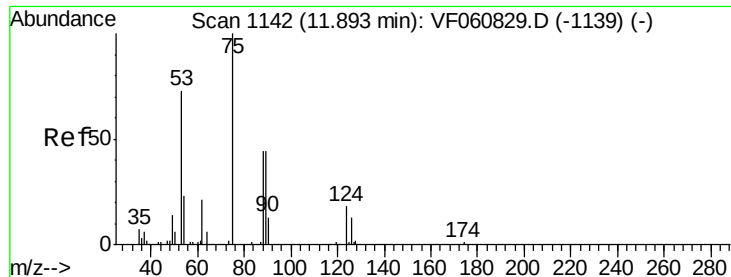
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#80
1,3,5-Trimethylbenzene
Concen: 21.543 ug/l
RT: 11.83 min Scan# 1136
Delta R.T. -0.02 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.5	25.8	77.3





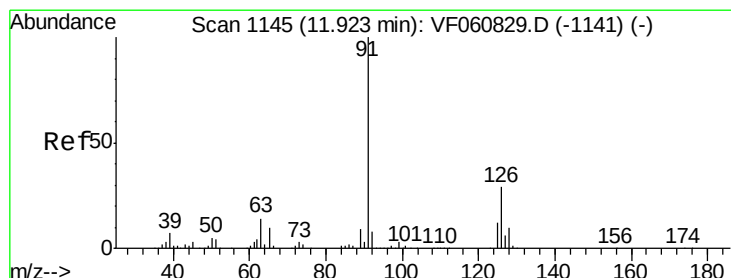
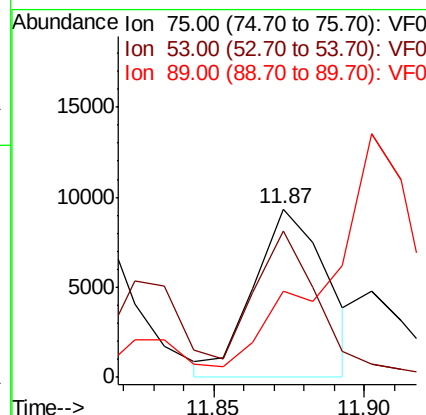
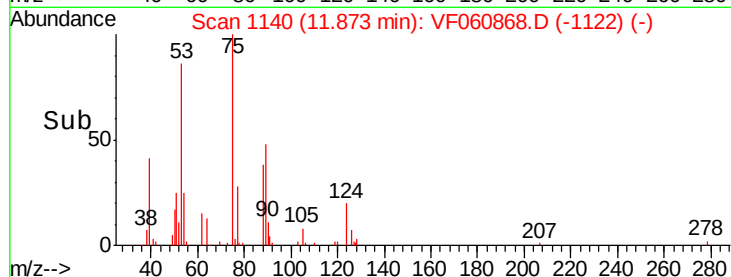
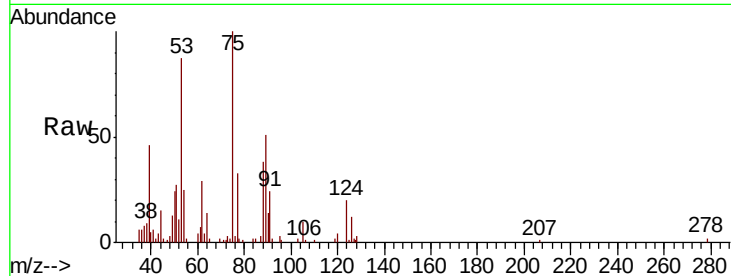
#81
trans-1,4-Dichloro-2-butene
Concen: 19.767 ug/l m
RT: 11.87 min Scan# 1140
Delta R.T. -0.02 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Instrument :
MSVOA_F
ClientSampleId :
VF1129SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.9	65.9	98.9
89	50.9	38.8	58.2

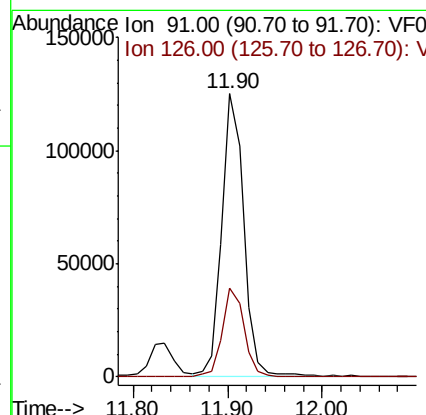
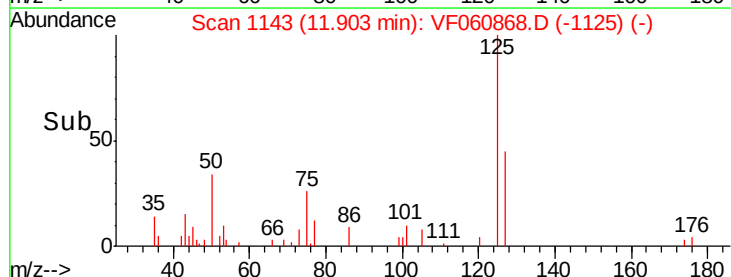
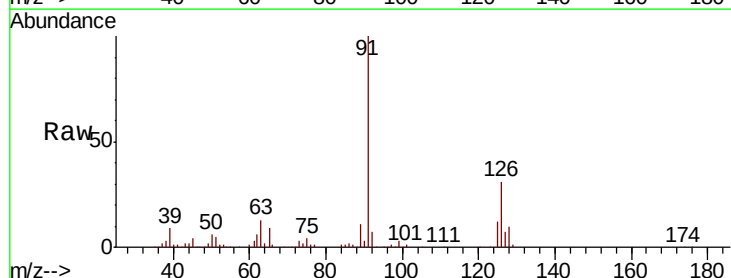
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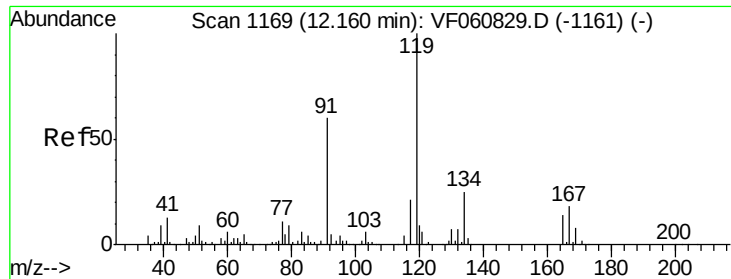
apatel
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#82
4-Chlorotoluene
Concen: 20.599 ug/l
RT: 11.90 min Scan# 1143
Delta R.T. -0.02 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	14.8	44.4





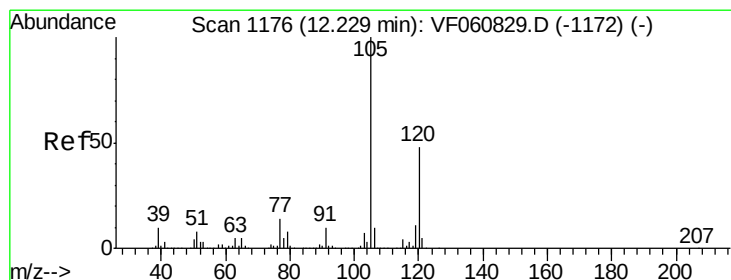
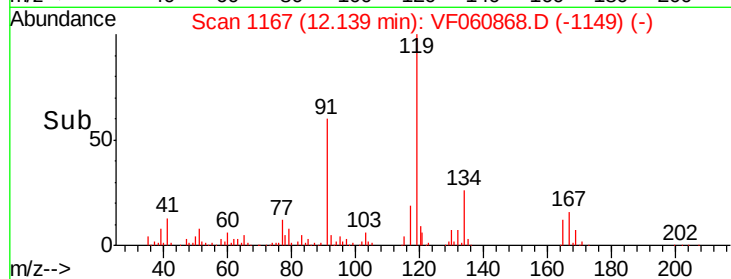
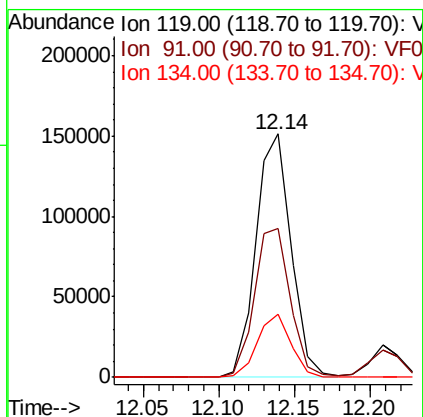
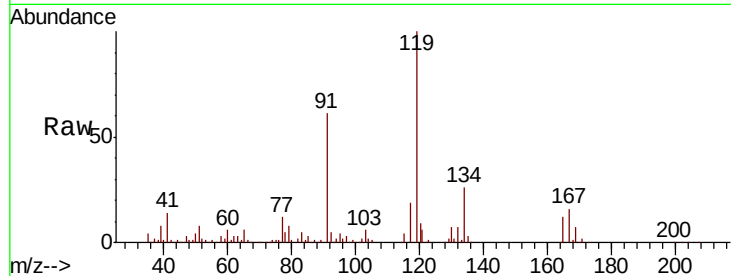
#83
 tert-Butylbenzene
 Concen: 21.833 ug/l
 RT: 12.14 min Scan# 1167
 Delta R.T. -0.02 min
 Lab File: VF060868.D
 Acq: 29 Nov 2018 15:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1129SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	246293		
91	61.0		30.1	90.3
134	25.7		12.6	37.8

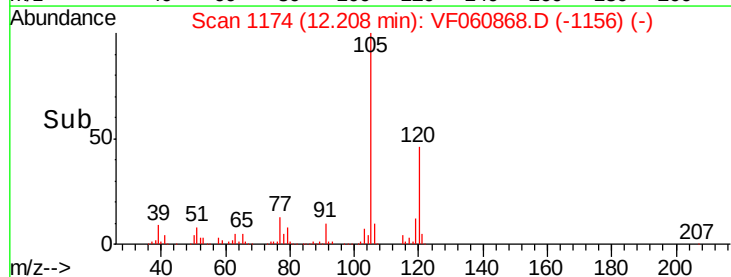
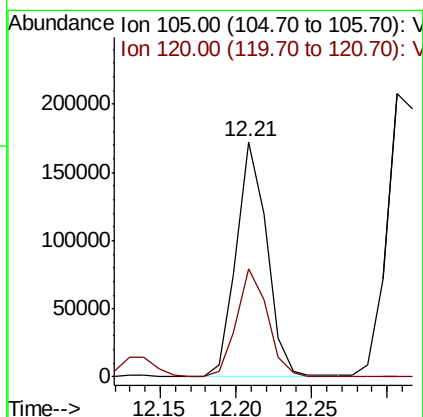
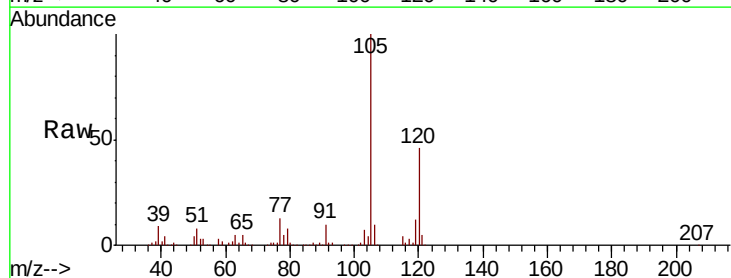
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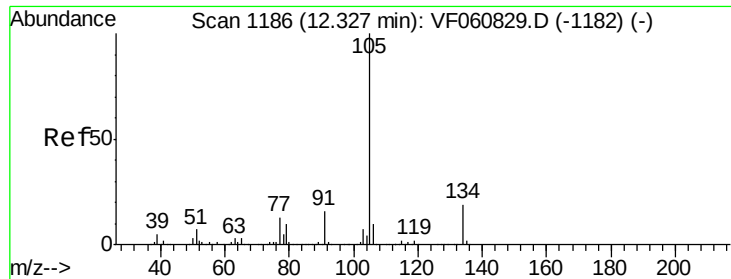
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.012 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.02 min
 Lab File: VF060868.D
 Acq: 29 Nov 2018 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	243292		
120	46.0		23.8	71.5





#85

sec-Butylbenzene

Concen: 21.426 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. -0.02 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

VF1129SBS01

Tot Ion:105 Resp: 330883

Ion Ratio Lower Upper

105 100

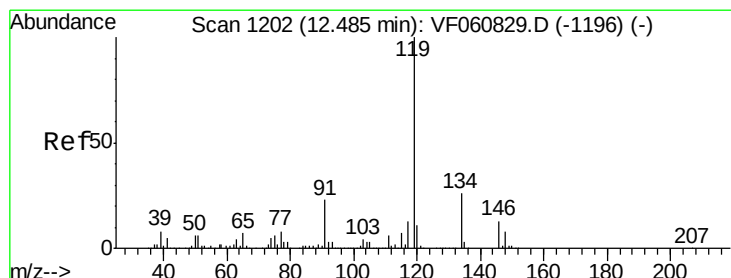
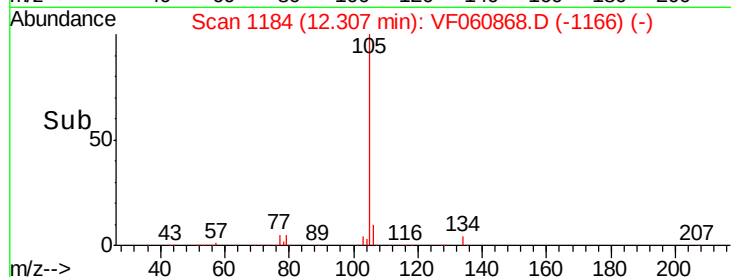
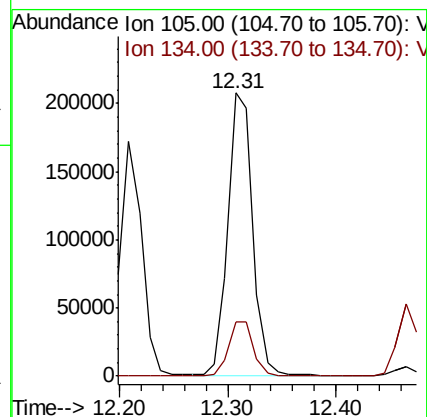
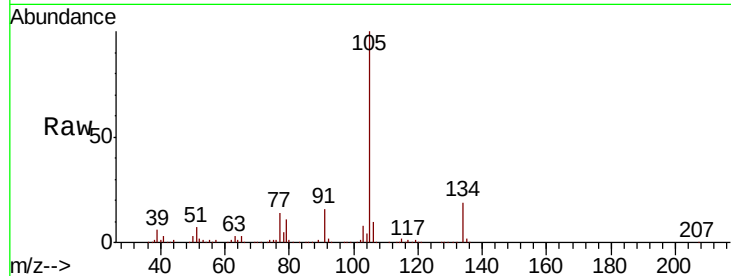
134 19.2 9.5 28.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.652 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. -0.02 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

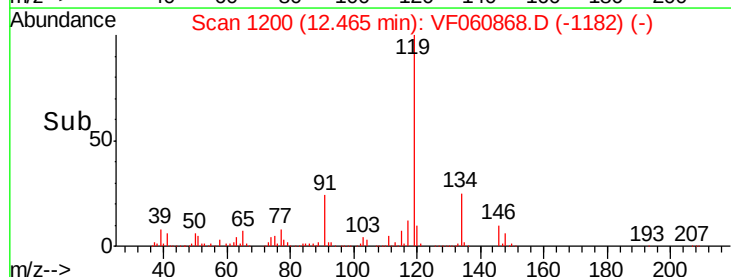
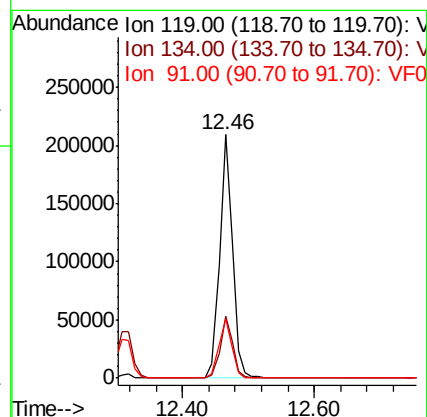
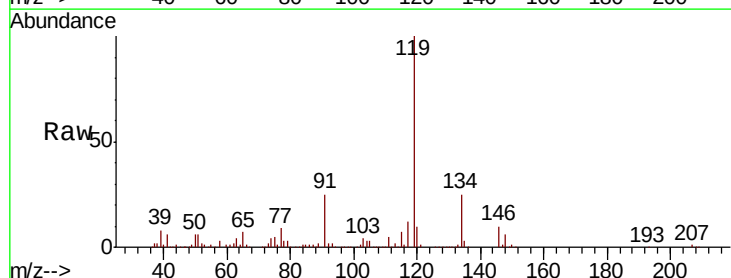
Tgt Ion:119 Resp: 280333

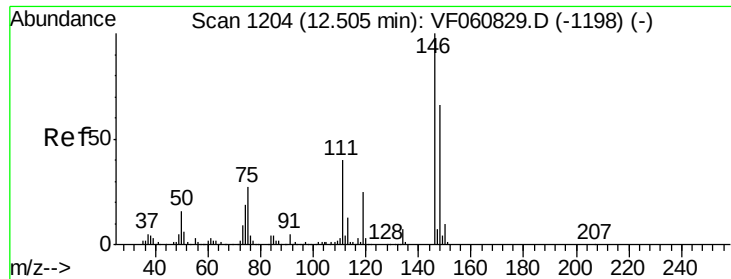
Ion Ratio Lower Upper

119 100

134 25.5 12.9 38.6

91 24.5 11.8 35.3





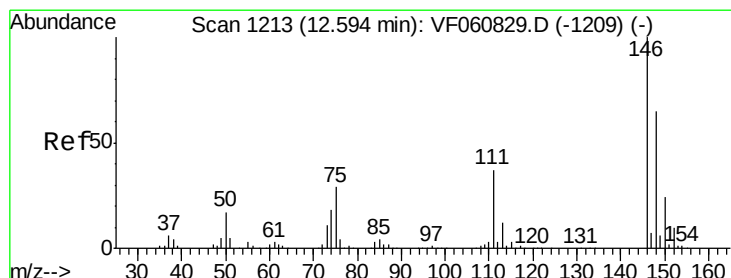
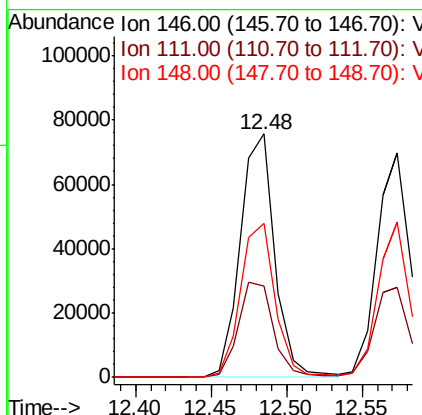
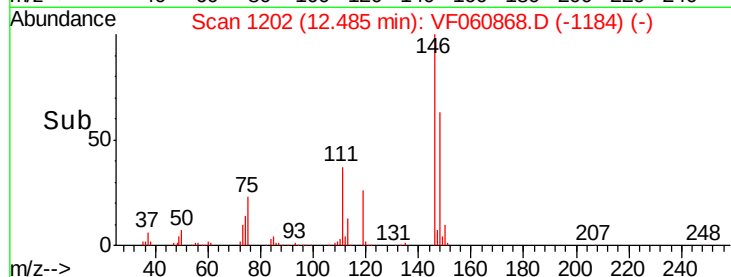
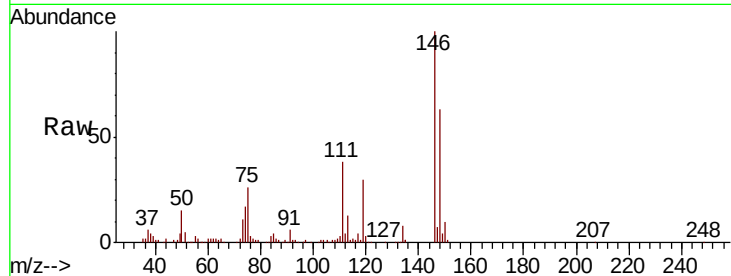
#87
 1,3-Dichlorobenzene
 Concen: 21.154 ug/l
 RT: 12.48 min Scan# 1202
 Delta R.T. -0.02 min
 Lab File: VF060868.D
 Acq: 29 Nov 2018 15:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1129SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	120346		
111	37.6	20.0	59.9	
148	63.5	32.9	98.6	

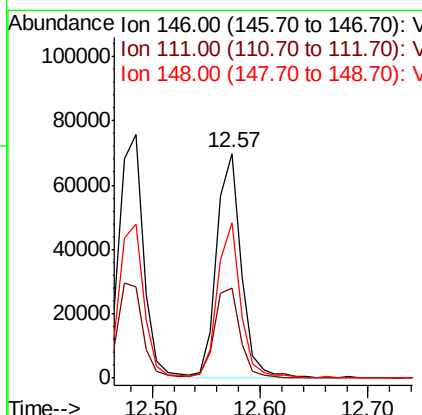
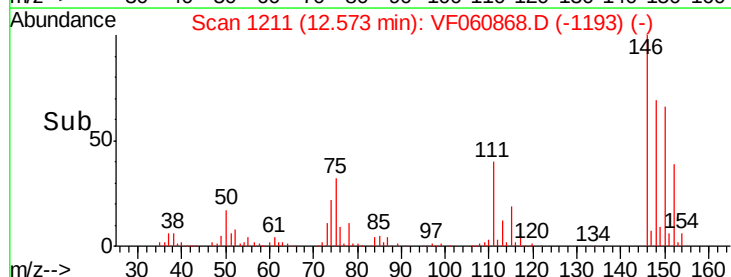
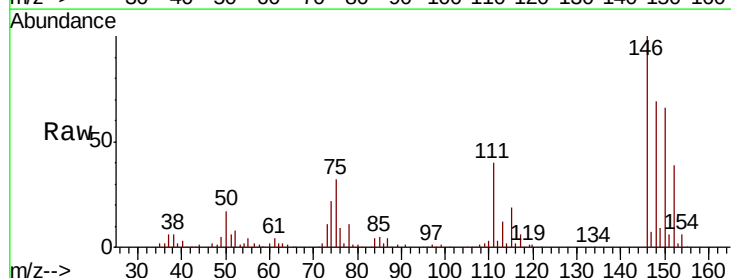
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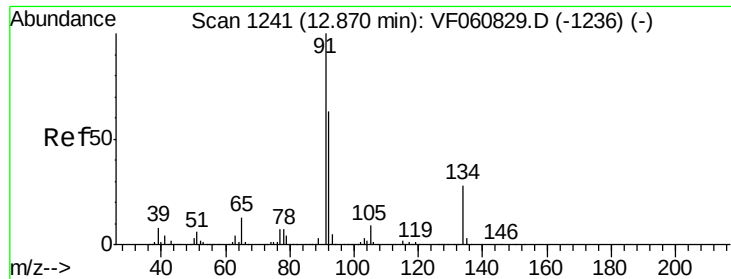
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#88
 1,4-Dichlorobenzene
 Concen: 19.774 ug/l
 RT: 12.57 min Scan# 1211
 Delta R.T. -0.02 min
 Lab File: VF060868.D
 Acq: 29 Nov 2018 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	109627		
111	40.1	18.9	56.7	
148	69.1	32.3	96.9	





#89

n-Butylbenzene

Concen: 22.038 ug/l

RT: 12.85 min Scan# 1239

Delta R.T. -0.02 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Instrument :

MSVOA_F

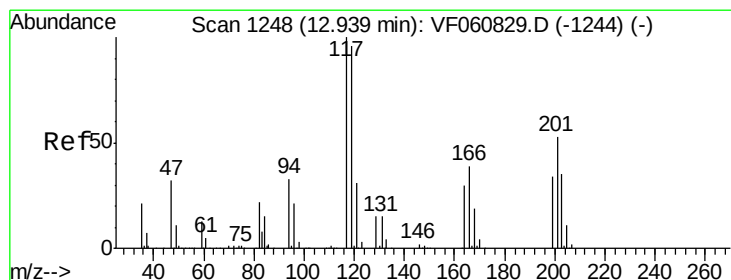
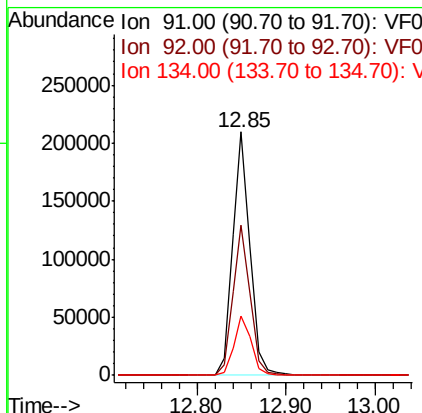
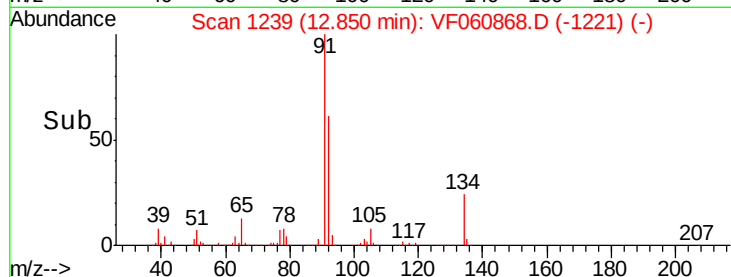
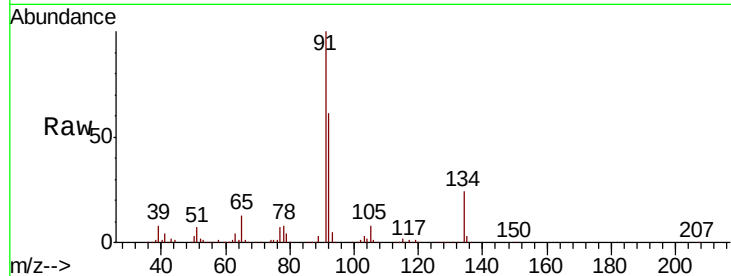
ClientSampleId :

VF1129SBS01

Tot Ion:	91	Resp:	288521
Ion Ratio	Lower	Upper	
91	100		
92	61.4	31.6	94.7
134	24.2	13.8	41.4

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#90

Hexachloroethane

Concen: 20.339 ug/l

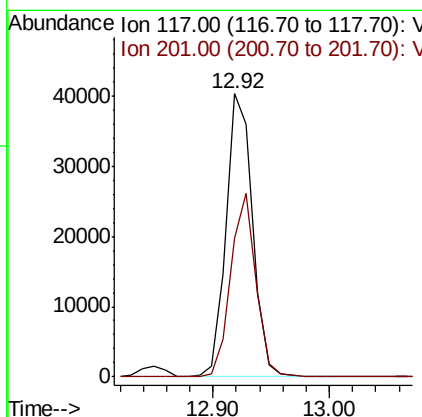
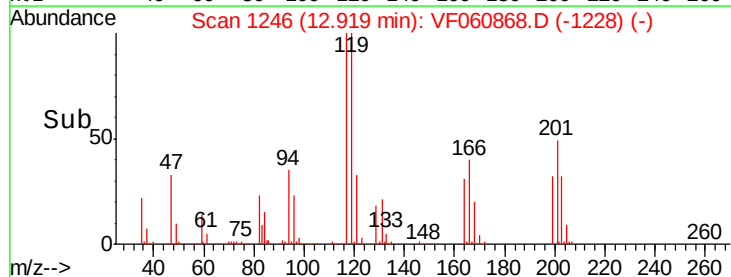
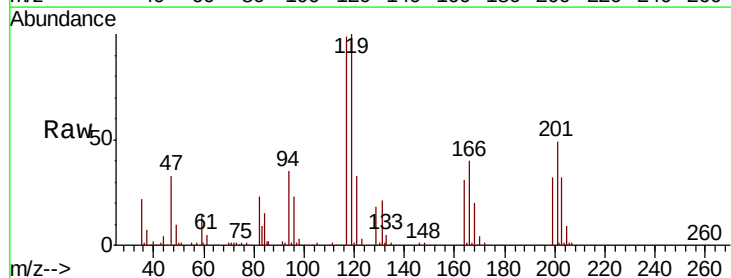
RT: 12.92 min Scan# 1246

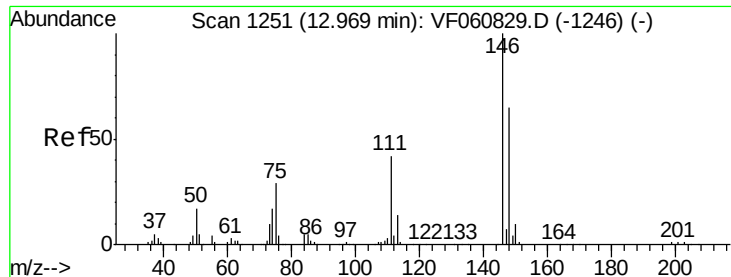
Delta R.T. -0.02 min

Lab File: VF060868.D

Acq: 29 Nov 2018 15:39

Tgt Ion:	117	Resp:	63412
Ion Ratio	Lower	Upper	
117	100		
201	50.0	26.7	80.1





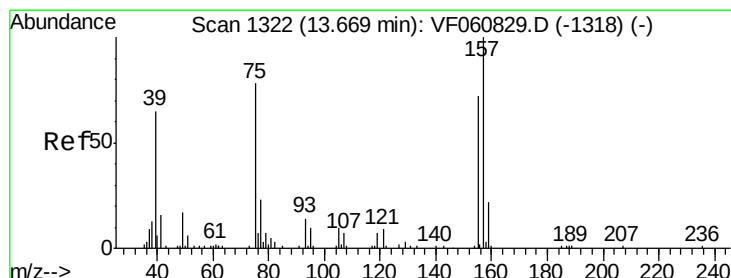
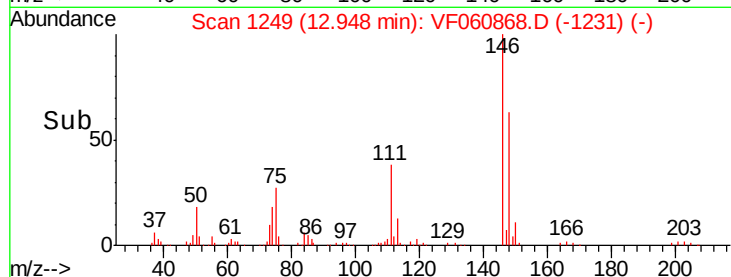
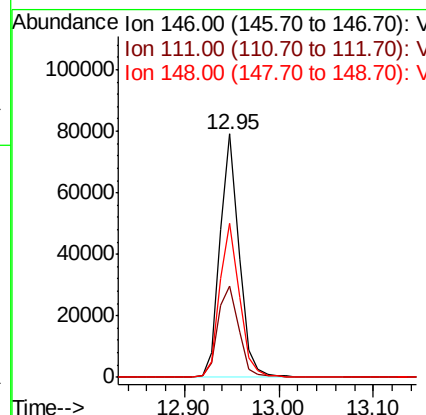
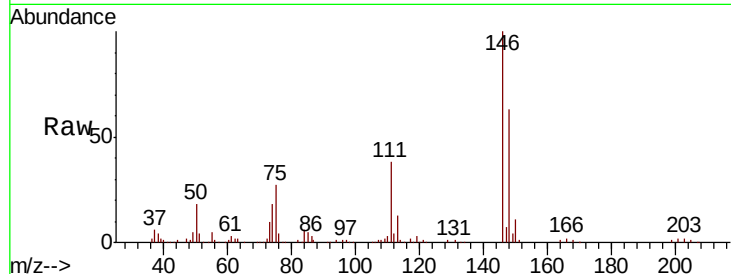
#91
 1,2-Dichlorobenzene
 Concen: 20.692 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. -0.02 min
 Lab File: VF060868.D
 Acq: 29 Nov 2018 15:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1129SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	21.2	63.6
148	63.5	32.5	97.5

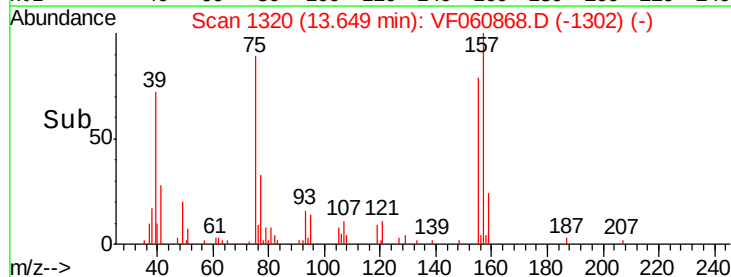
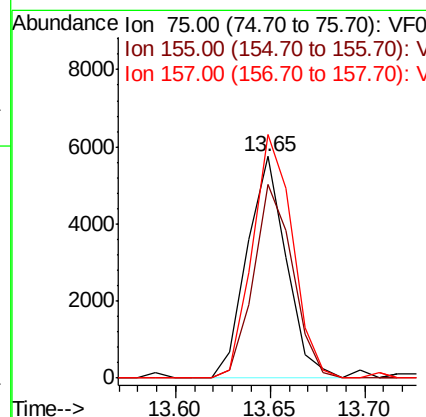
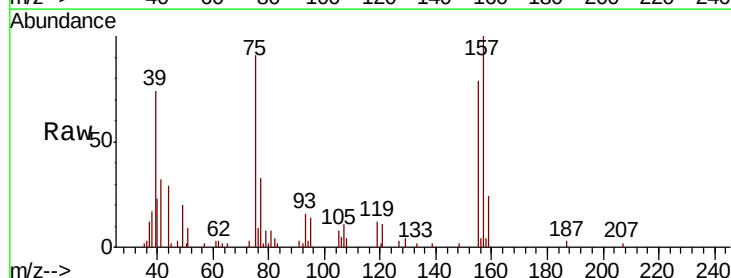
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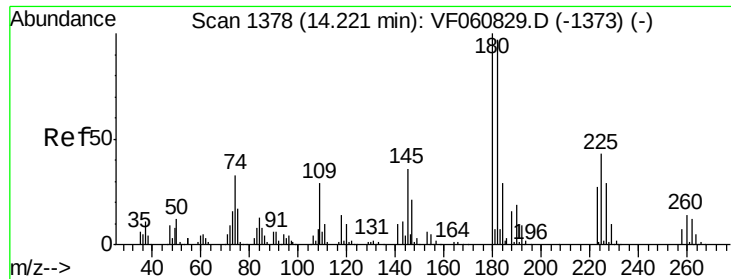
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.068 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. -0.02 min
 Lab File: VF060868.D
 Acq: 29 Nov 2018 15:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.2	45.6	136.9
157	109.9	63.8	191.5





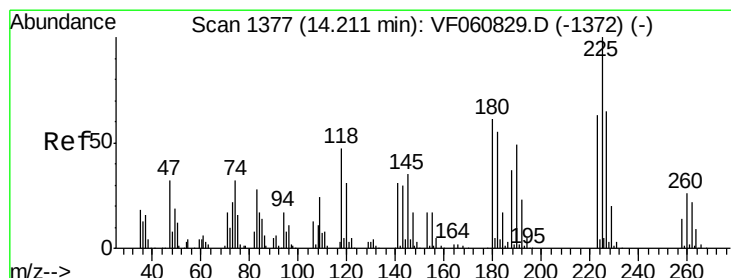
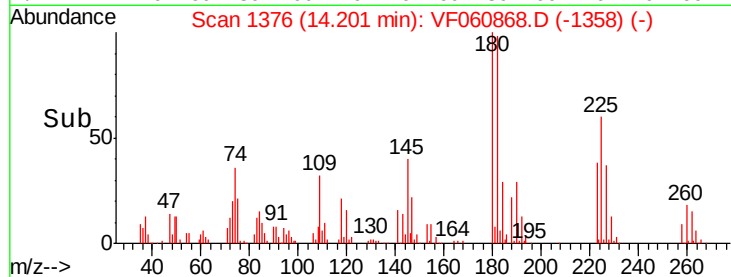
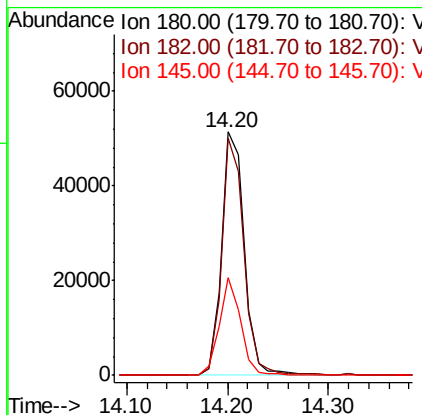
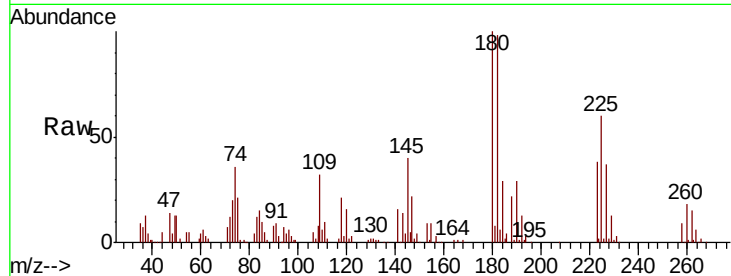
#93
 1,2,4-Trichlorobenzene
 Concen: 21.437 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.02 min
 Lab File: VF060868.D
 Acq: 29 Nov 2018 15:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1129SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.5	48.5	145.5	
145	40.3	18.1	54.3	

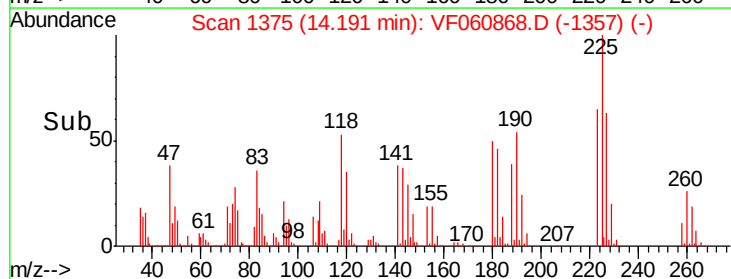
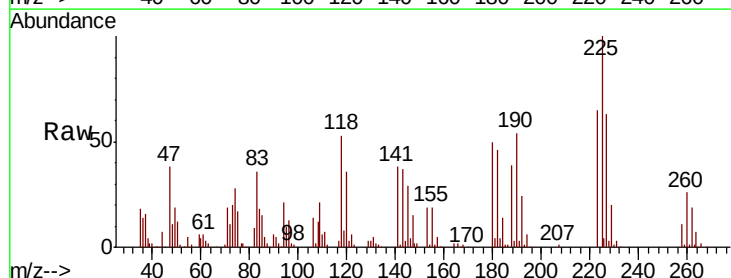
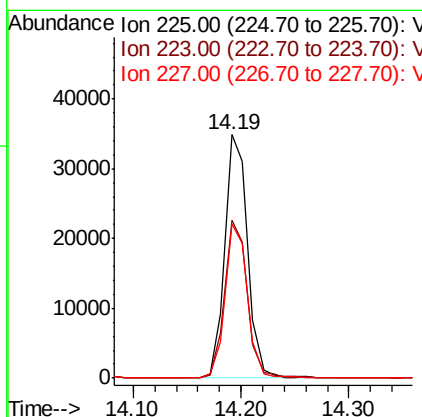
Manual Integrations
 APPROVED

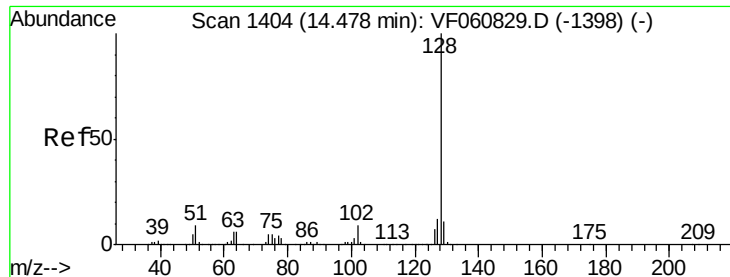
apatel
 12/3/2018 11:58:20 AM



#94
 Hexachlorobutadiene
 Concen: 20.446 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF060868.D
 Acq: 29 Nov 2018 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.8	31.4	94.3	
227	63.3	32.5	97.5	





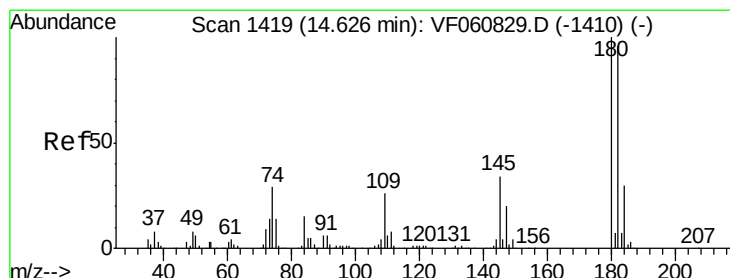
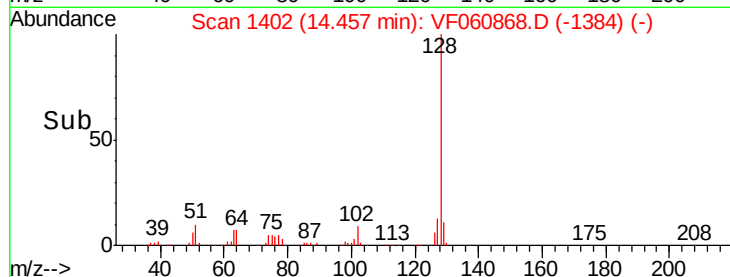
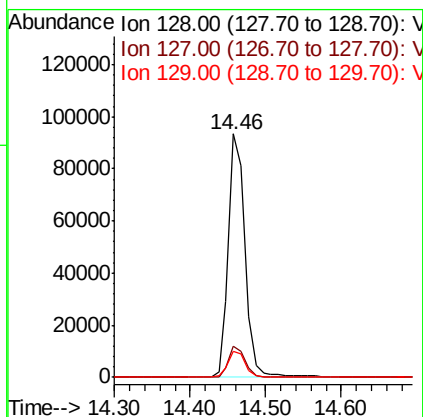
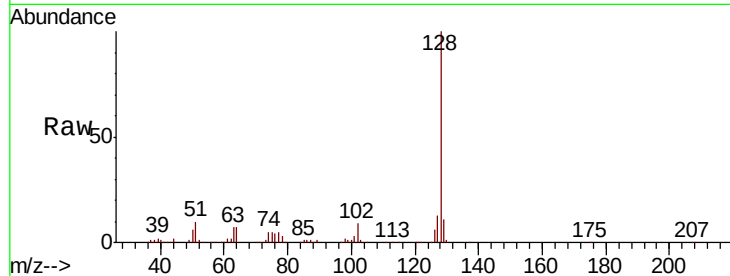
#95
Naphthalene
Concen: 17.285 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.02 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Instrument :
MSVOA_F
ClientSampleId :
VF1129SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	9.9	14.9
129	10.7	9.1	13.7

Manual Integrations
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12/3/2018 11:58:20 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.516 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. -0.02 min
Lab File: VF060868.D
Acq: 29 Nov 2018 15:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	47.9	143.8
145	37.4	17.2	51.5

