

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121718\
 Data File : VF061037.D
 Acq On : 17 Dec 2018 13:18
 Operator : VA/AP
 Sample : VF1217SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1217SBS01

Manual Integrations
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 12/18/2018 2:32:15 PM

Quant Time: Dec 18 03:25:00 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	180706	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.61	114	300618	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.80	117	266851	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	142307	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.86	65	111808	52.52	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	105.04%	
35) Dibromofluoromethane	4.12	113	122779	51.48	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	102.96%	
50) Toluene-d8	7.57	98	341245	48.57	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	97.14%	
62) 4-Bromofluorobenzene	11.42	95	157630	49.37	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	98.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	53994	19.984	ug/l	96
3) Chloromethane	1.11	50	41019	23.330	ug/l	93
4) Vinyl Chloride	1.14	62	39380	24.012	ug/l	89
5) Bromomethane	1.31	94	25156	21.753	ug/l	85
6) Chloroethane	1.39	64	17908	25.261	ug/l	97
7) Trichlorofluoromethane	1.48	101	82197	23.360	ug/l #	80
8) Diethyl Ether	1.64	74	11365	22.461	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.84	101	42850	24.088	ug/l	97
10) Methyl Iodide	1.90	142	66871m	24.731	ug/l	
11) Tert butyl alcohol	2.59	59	10031	114.950	ug/l	100
12) 1,1-Dichloroethene	1.80	96	33403	23.345	ug/l	91
13) Acrolein	2.02	56	5744	69.473	ug/l	93
14) Allyl chloride	2.10	41	40330	22.614	ug/l	95
15) Acrylonitrile	2.95	53	23880	122.062	ug/l	93
16) Acetone	2.25	43	49378	125.785	ug/l	97
17) Carbon Disulfide	1.84	76	91734m	23.911	ug/l	
18) Methyl Acetate	2.36	43	19368	28.705	ug/l	94
19) Methyl tert-butyl Ether	2.44	73	73613	22.842	ug/l	96
20) Methylene Chloride	2.26	84	35290m	24.505	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	32589m	23.625	ug/l	
22) Diisopropyl ether	2.81	45	113907	23.465	ug/l	93
23) Vinyl Acetate	3.20	43	258177	116.348	ug/l	97
24) 1,1-Dichloroethane	2.88	63	72698	25.171	ug/l	98
25) 2-Butanone	4.35	43	81965	120.716	ug/l	97
26) 2,2-Dichloropropane	3.61	77	46029	24.582	ug/l	96
27) cis-1,2-Dichloroethene	3.49	96	58296	25.958	ug/l	88
28) Bromochloromethane	3.73	49	32353	23.341	ug/l	90
29) Tetrahydrofuran	4.09	42	32815	114.015	ug/l	96
30) Chloroform	3.88	83	98711	22.207	ug/l	98
31) Cyclohexane	3.71	56	69351	23.137	ug/l #	92
32) 1,1,1-Trichloroethane	4.11	97	72180	23.414	ug/l	96
36) 1,1-Dichloropropene	4.29	75	77043	23.106	ug/l	98
37) Ethyl Acetate	4.13	43	32728	24.154	ug/l #	87
38) Carbon Tetrachloride	4.01	117	63859	21.683	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	76101	21.778	ug/l	94
40) Benzene	4.65	78	174513	23.691	ug/l	95
41) Methacrylonitrile	4.77	41	16066	20.621	ug/l	88
42) 1,2-Dichloroethane	4.96	62	59126	21.986	ug/l	94
43) Isopropyl Acetate	6.97	43	38082	21.213	ug/l #	82
44) Trichloroethene	5.52	130	51403	21.342	ug/l	99
45) 1,2-Dichloropropane	6.25	63	43897	22.945	ug/l	91
46) Dibromomethane	6.10	93	27593	21.261	ug/l	97
47) Bromodichloromethane	6.40	83	77853	22.586	ug/l	97
48) Methyl methacrylate	6.74	41	27102	22.097	ug/l	98
49) 1,4-Dioxane	6.74	88	3604	401.497	ug/l #	80
51) 4-Methyl-2-Pentanone	8.28	43	139985	112.031	ug/l	97
52) Toluene	7.65	92	114917	22.210	ug/l	97
53) t-1,3-Dichloropropene	8.30	75	59850	21.346	ug/l	96
54) cis-1,3-Dichloropropene	7.32	75	79429	22.883	ug/l	97
55) 1,1,2-Trichloroethane	8.51	97	31022	20.576	ug/l	91
56) Ethyl methacrylate	8.63	69	38408	22.932	ug/l	98
57) 1,3-Dichloropropane	8.87	76	59741	22.648	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.31	63	33013	192.706	ug/l	91
59) 2-Hexanone	9.51	43	105221	120.031	ug/l	96
60) Dibromochloromethane	8.73	129	46336	20.627	ug/l	99
61) 1,2-Dibromoethane	9.01	107	34186	20.989	ug/l	98
64) Tetrachloroethene	8.17	164	48611	23.850	ug/l	95
65) Chlorobenzene	9.82	112	123688	23.826	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.94	131	53010	23.753	ug/l	93
67) Ethyl Benzene	9.91	91	239012	24.731	ug/l	99
68) m/p-Xylenes	10.15	106	165994	47.755	ug/l	96
69) o-Xylene	10.72	106	89845	23.440	ug/l	85
70) Styrene	10.80	104	128726	24.227	ug/l	96
71) Bromoform	10.78	173	24461	22.691	ug/l #	90
73) Isopropylbenzene	11.14	105	285633	25.399	ug/l	97
74) N-amyl acetate	11.38	43	62775	24.174	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.71	83	45434	24.548	ug/l	97
76) 1,2,3-Trichloropropane	11.81	75	32521	24.174	ug/l	97
77) Bromobenzene	11.51	156	57187	23.195	ug/l	92
78) n-propylbenzene	11.61	91	320742	24.354	ug/l	97
79) 2-Chlorotoluene	11.73	91	182885	24.219	ug/l	97
80) 1,3,5-Trimethylbenzene	11.84	105	216653	23.731	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.88	75	6793	10.306	ug/l	100
82) 4-Chlorotoluene	11.91	91	203438	25.600	ug/l	97
83) tert-Butylbenzene	12.14	119	238323	25.627	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	217931	23.918	ug/l	97
85) sec-Butylbenzene	12.32	105	306498	24.076	ug/l	99
86) p-Isopropyltoluene	12.47	119	256817	24.062	ug/l	100
87) 1,3-Dichlorobenzene	12.49	146	105026	22.395	ug/l	99
88) 1,4-Dichlorobenzene	12.58	146	105880	23.167	ug/l	99
89) n-Butylbenzene	12.85	91	270225	25.038	ug/l	98
90) Hexachloroethane	12.93	117	59585	23.183	ug/l	83
91) 1,2-Dichlorobenzene	12.95	146	105165	23.679	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.65	75	7446	20.808	ug/l	88

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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)
93) 1,2,4-Trichlorobenzene	14.22	180	72875	23.484	ug/l	95
94) Hexachlorobutadiene	14.21	225	50123	24.230	ug/l	95
95) Naphthalene	14.47	128	129469	19.351	ug/l	100
96) 1,2,3-Trichlorobenzene	14.61	180	66794	23.181	ug/l	97

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

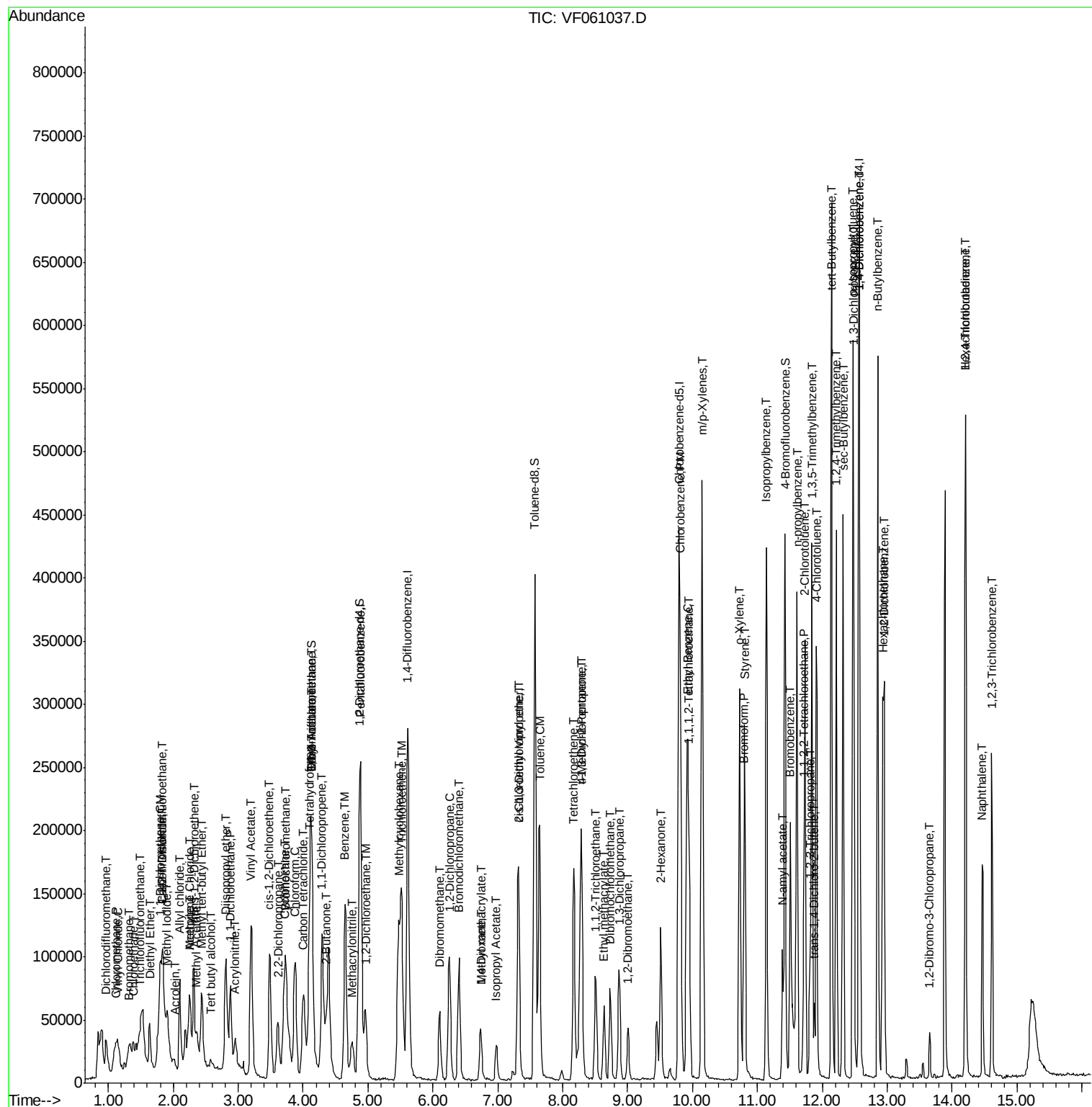
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 Data File : VF061037.D
 Acq On : 17 Dec 2018 13:18
 Operator : VA/AP
 Sample : VF1217SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
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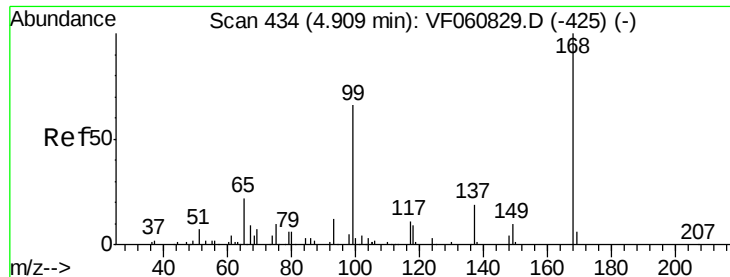
Instrument :
 MSVOA_F
 Client Sample ID :
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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.03 min

Lab File: VF061037.D

Acq: 17 Dec 2018 13:18

Instrument :

MSVOA_F

ClientSampleId :

VF1217SBS01

Tot Ion:168 Resp: 180706

Ion Ratio Lower Upper

168 100

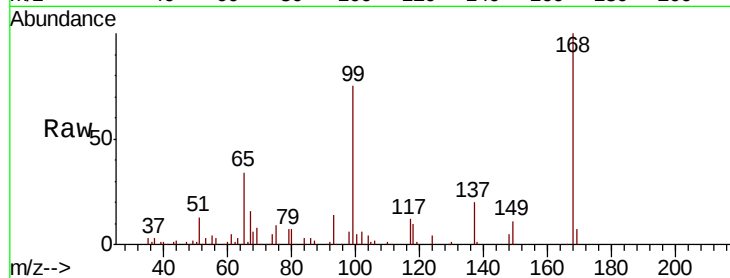
99 74.6 52.6 79.0

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

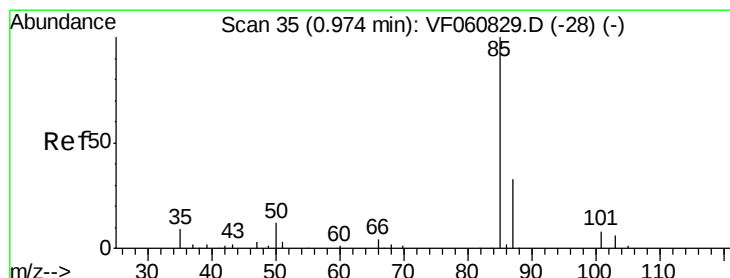
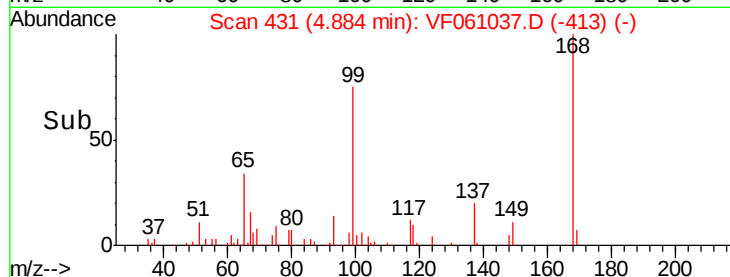
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 19.984 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.02 min

Lab File: VF061037.D

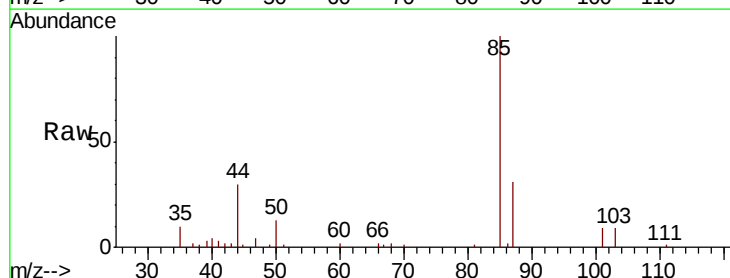
Acq: 17 Dec 2018 13:18

Tgt Ion: 85 Resp: 53994

Ion Ratio Lower Upper

85 100

87 30.8 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

15000

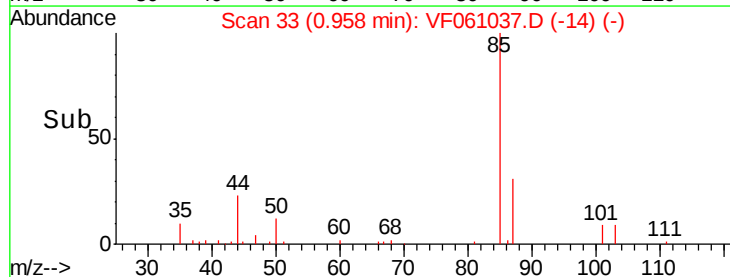
10000

5000

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Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 23.330 ug/l

RT: 1.11 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF061037.D

Acq: 17 Dec 2018 13:18

Instrument :

MSVOA_F

ClientSampleId :

VF1217SBS01

Tot Ion: 50 Resp: 41019

Ion Ratio Lower Upper

50 100

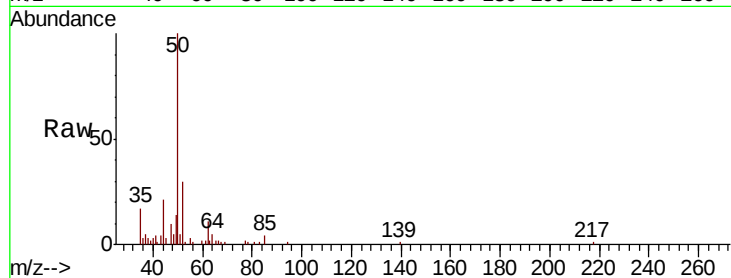
52 30.0 27.0 40.4

Manual Integrations

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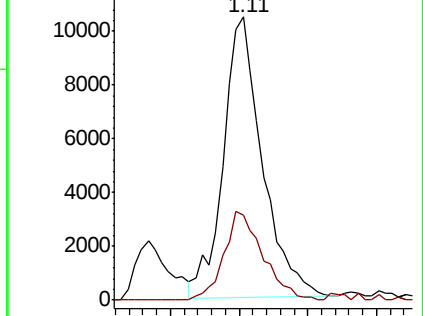
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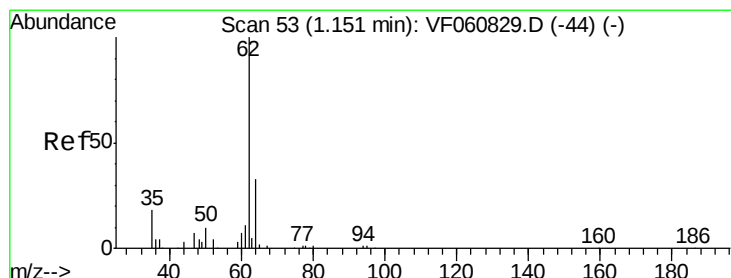
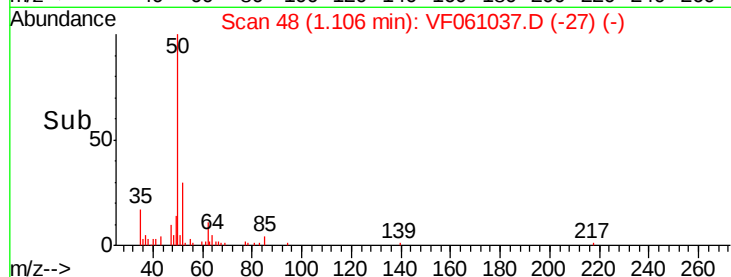


Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



Time-->



#4

Vinyl Chloride

Concen: 24.012 ug/l

RT: 1.14 min Scan# 51

Delta R.T. -0.02 min

Lab File: VF061037.D

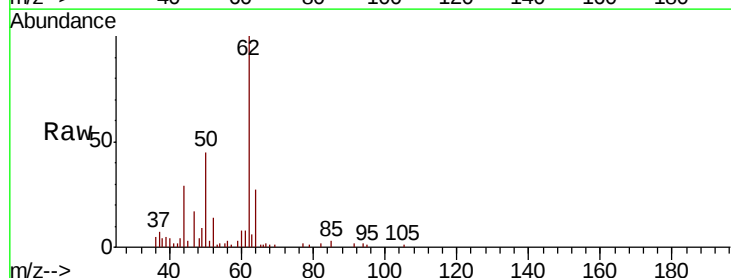
Acq: 17 Dec 2018 13:18

Tgt Ion: 62 Resp: 39380

Ion Ratio Lower Upper

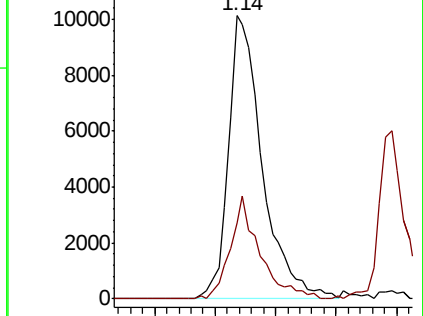
62 100

64 26.9 26.4 39.6

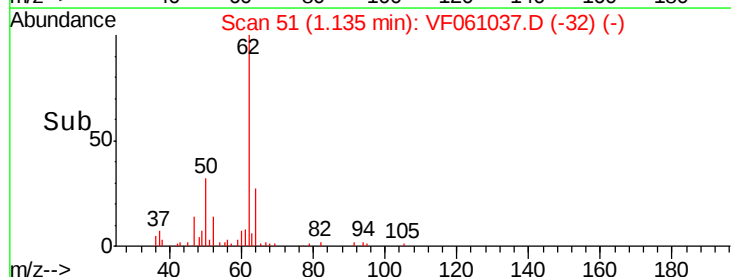


Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0



Time-->





#5

Bromomethane

Concen: 21.753 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.03 min

Lab File: VF061037.D

Acq: 17 Dec 2018 13:18

Instrument :

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ClientSampleId :

VF1217SBS01

Tot Ion: 94 Resp: 25156

Ion Ratio Lower Upper

94 100

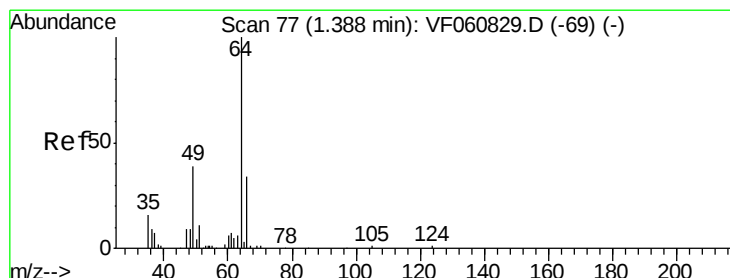
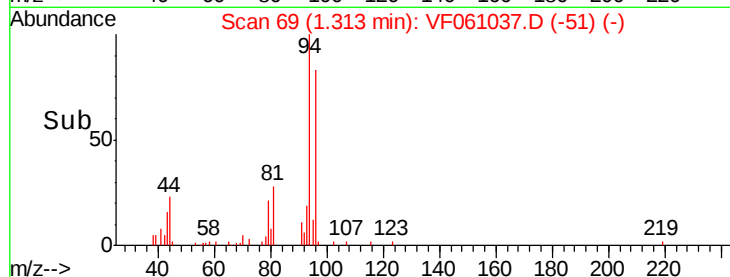
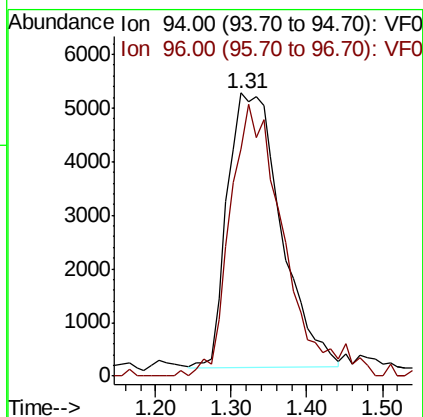
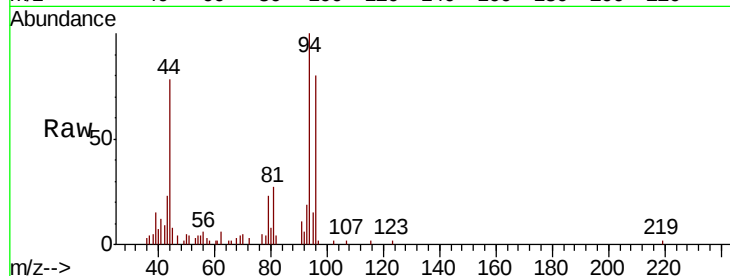
96 80.1 75.9 113.9

Manual Integrations

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#6

Chloroethane

Concen: 25.261 ug/l

RT: 1.39 min Scan# 77

Delta R.T. 0.00 min

Lab File: VF061037.D

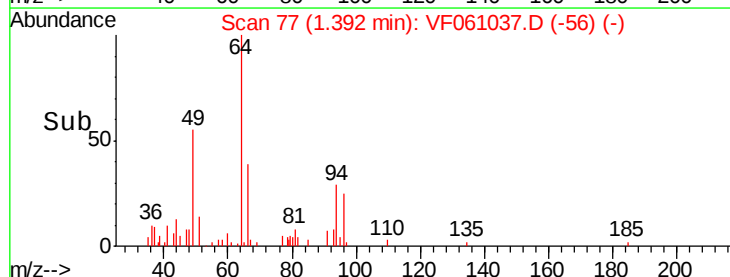
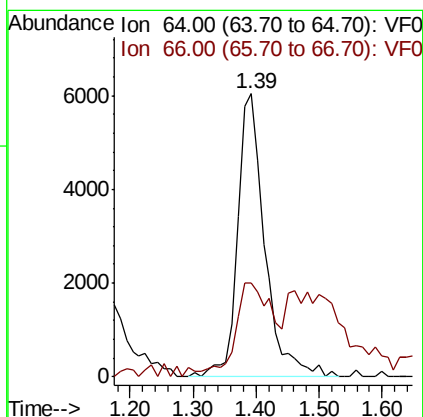
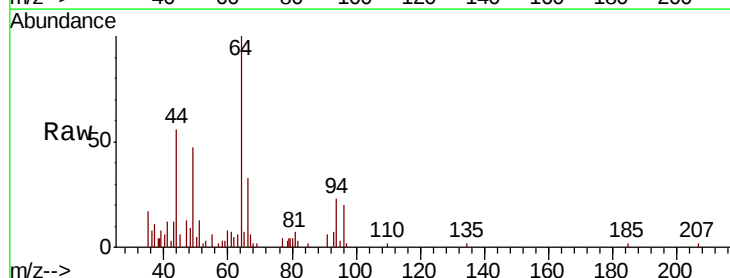
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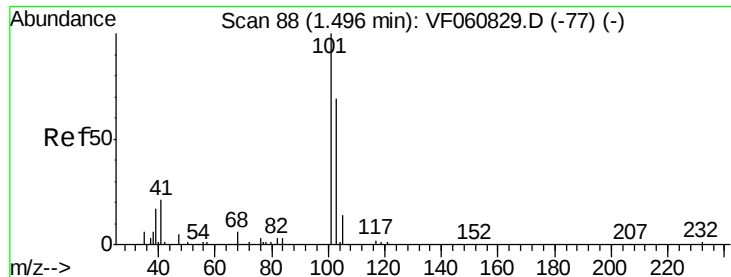
Tgt Ion: 64 Resp: 17908

Ion Ratio Lower Upper

64 100

66 33.2 28.1 42.1





#7

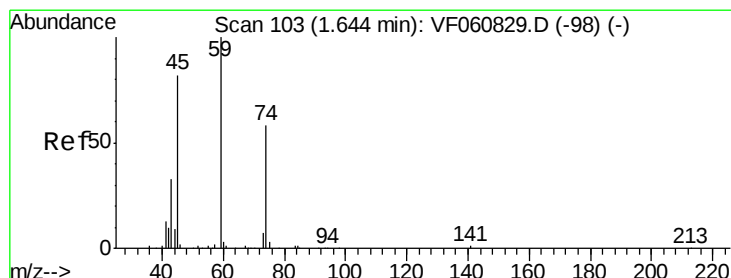
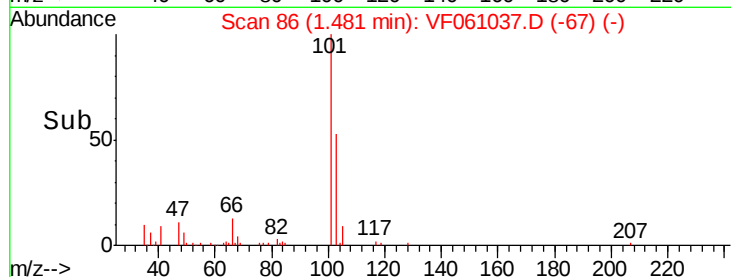
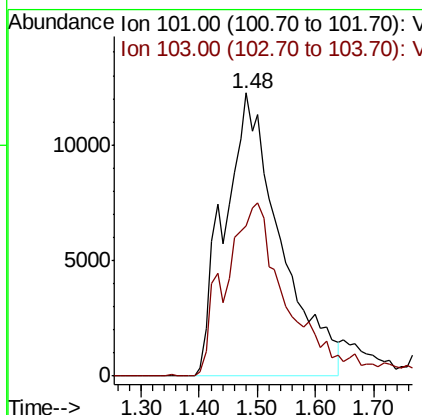
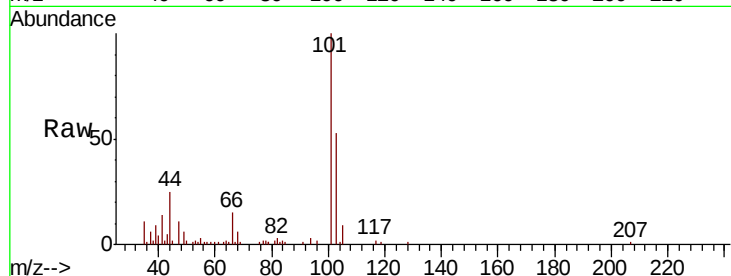
Trichlorofluoromethane
Concen: 23.360 ug/l
RT: 1.48 min Scan# 86
Delta R.T. -0.02 min
Lab File: VF061037.D
Acq: 17 Dec 2018 13:18

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion:101 Resp: 82197
Ion Ratio Lower Upper
101 100
103 52.9 55.4 83.0#

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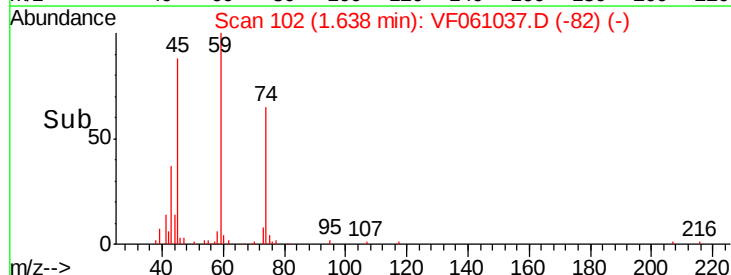
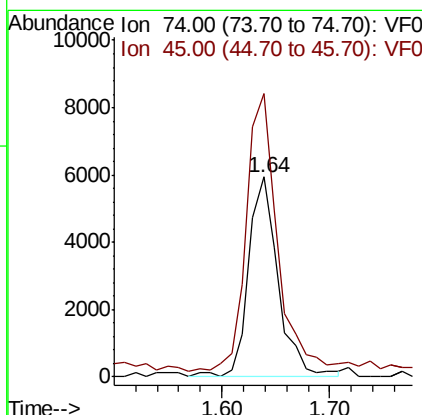
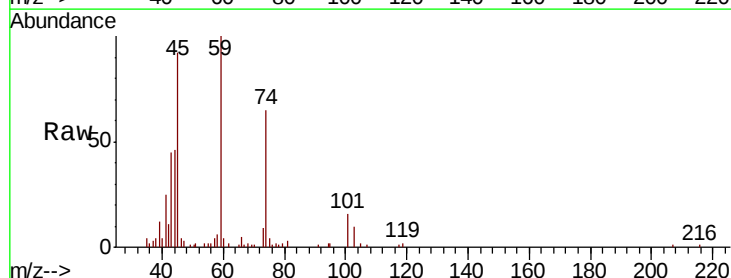
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#8

Diethyl Ether
Concen: 22.461 ug/l
RT: 1.64 min Scan# 102
Delta R.T. -0.01 min
Lab File: VF061037.D
Acq: 17 Dec 2018 13:18

Tgt Ion: 74 Resp: 11365
Ion Ratio Lower Upper
74 100
45 141.7 71.0 212.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.088 ug/l

RT: 1.84 min Scan# 122

Delta R.T. 0.00 min

Lab File: VF061037.D

Acq: 17 Dec 2018 13:18

Instrument :

MSVOA_F

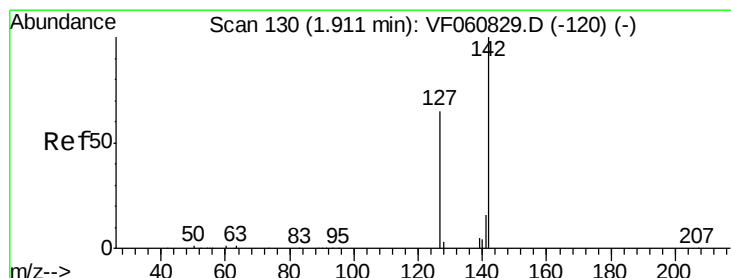
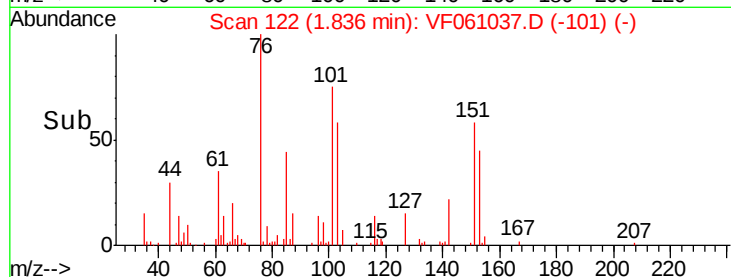
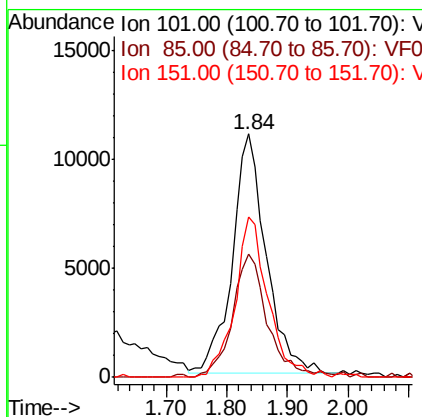
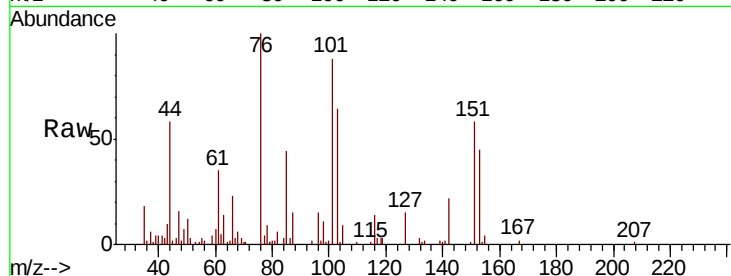
ClientSampleId :

VF1217SBS01

Tot Ion:	101	Resp:	42850
Ion Ratio	Lower	Upper	
101	100		
85	50.7	42.8	64.2
151	66.0	54.4	81.6

Manual Integrations
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#10

Methyl Iodide

Concen: 24.731 ug/l m

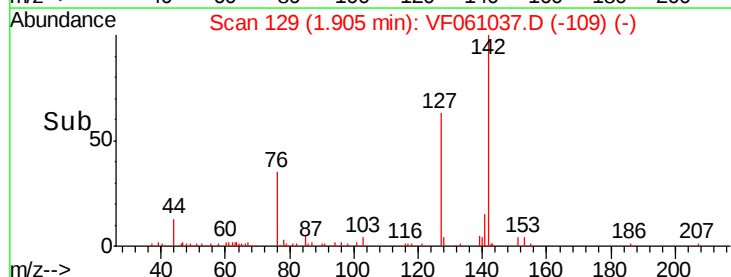
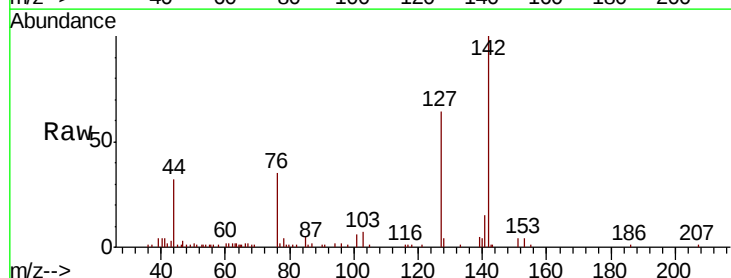
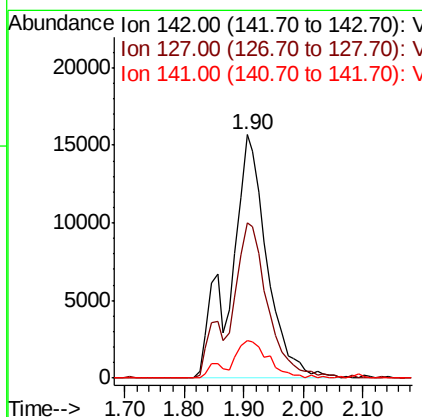
RT: 1.90 min Scan# 129

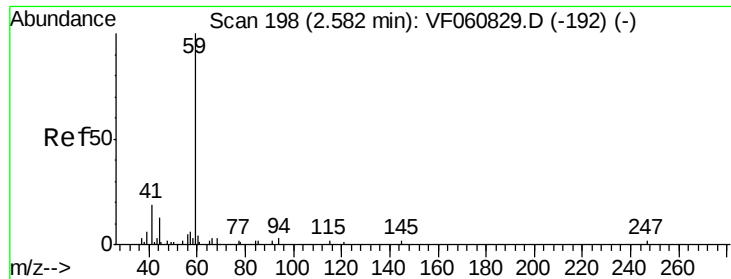
Delta R.T. -0.01 min

Lab File: VF061037.D

Acq: 17 Dec 2018 13:18

Tgt Ion:	142	Resp:	66871
Ion Ratio	Lower	Upper	
142	100		
127	63.7	51.9	77.9
141	15.5	12.7	19.1





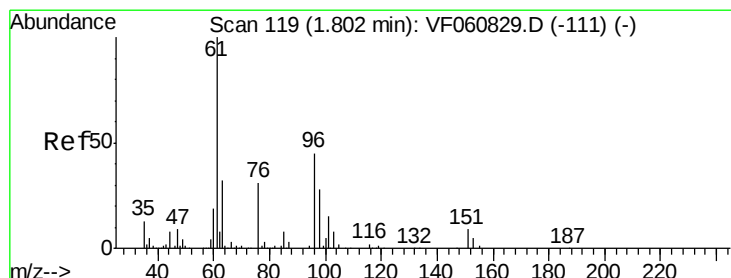
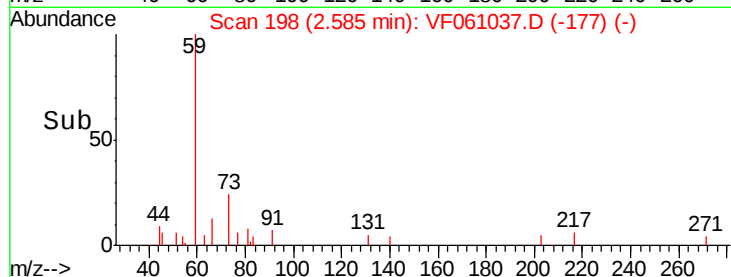
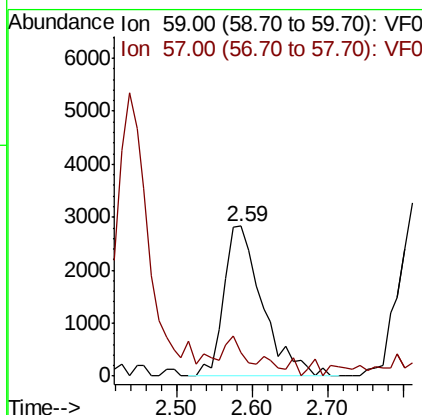
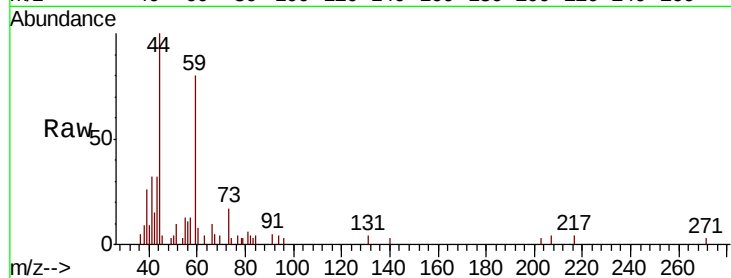
#11
Tert butyl alcohol
Concen: 114.950 ug/l
RT: 2.59 min Scan# 198
Delta R.T. 0.00 min
Lab File: VF061037.D
Acq: 17 Dec 2018 13:18

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion: 59 Resp: 10031
Ion Ratio Lower Upper
59 100
57 16.1 12.7 19.1

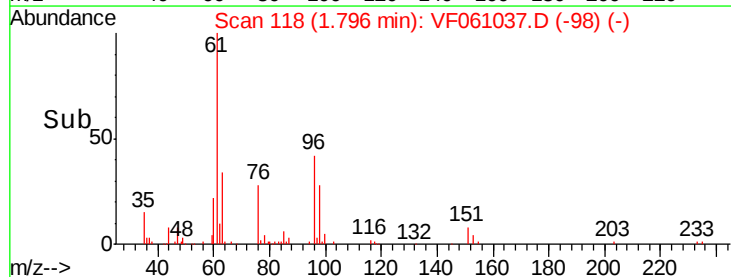
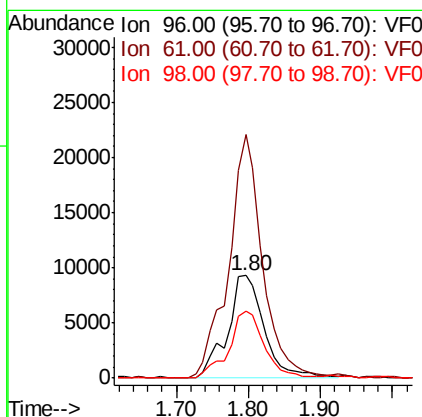
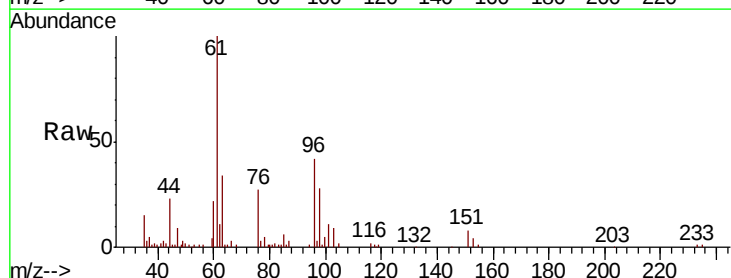
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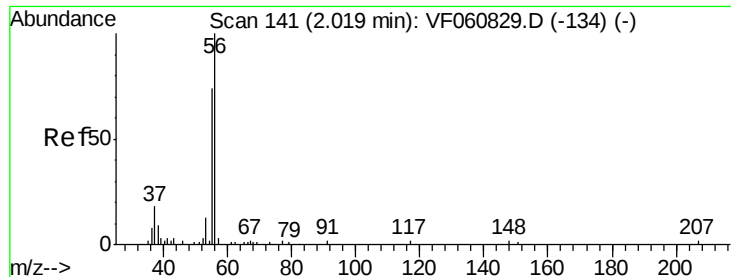
apatel
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#12
1,1-Dichloroethene
Concen: 23.345 ug/l
RT: 1.80 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF061037.D
Acq: 17 Dec 2018 13:18

Tgt Ion: 96 Resp: 33403
Ion Ratio Lower Upper
96 100
61 237.4 177.3 265.9
98 65.8 49.6 74.4





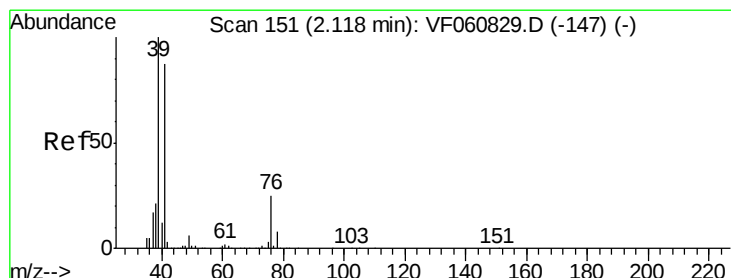
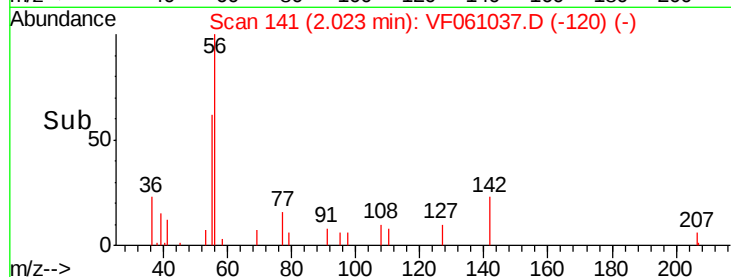
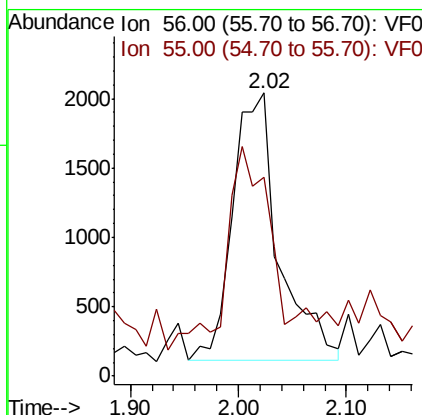
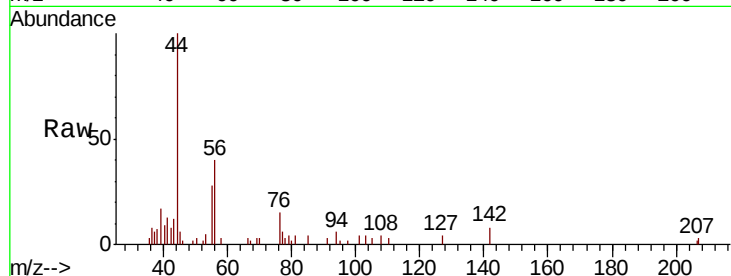
#13
Acrolein
Concen: 69.473 ug/l
RT: 2.02 min Scan# 141
Delta R.T. 0.00 min
Lab File: VF061037.D
Acq: 17 Dec 2018 13:18

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.1	61.2	91.8

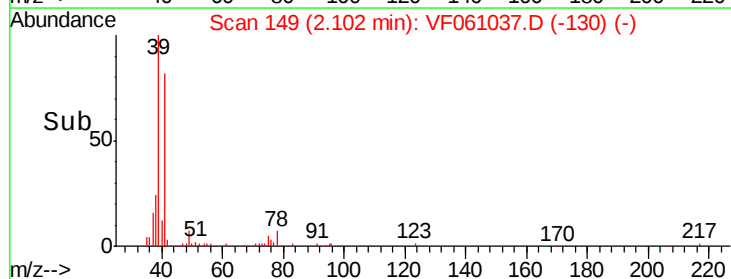
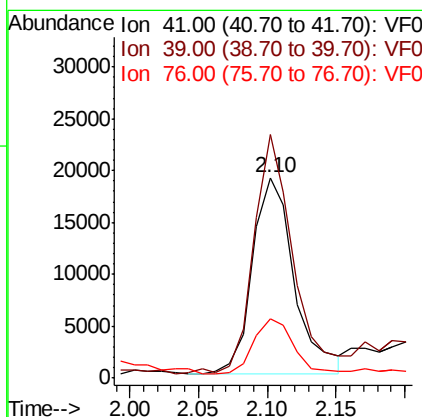
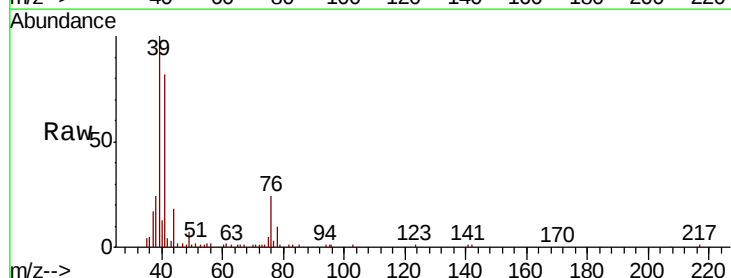
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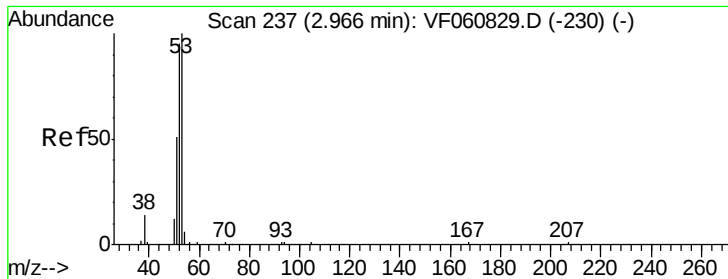
apatel
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#14
Allyl chloride
Concen: 22.614 ug/l
RT: 2.10 min Scan# 149
Delta R.T. -0.02 min
Lab File: VF061037.D
Acq: 17 Dec 2018 13:18

Tgt Ion	Ratio	Lower	Upper
41	100		
39	121.6	91.7	137.5
76	29.6	23.5	35.3





#15

Acrylonitrile

Concen: 122.062 ug/l

RT: 2.95 min Scan# 235

Delta R.T. -0.02 min

Lab File: VF061037.D

Acq: 17 Dec 2018 13:18

Instrument :

MSVOA_F

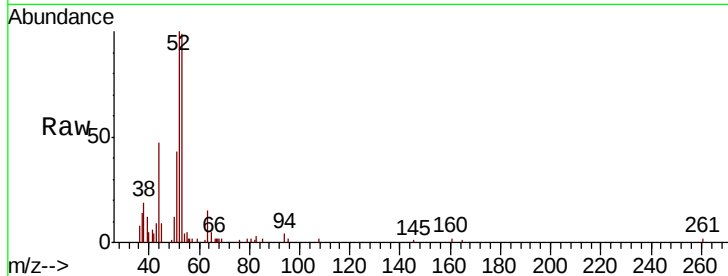
ClientSampleId :

VF1217SBS01

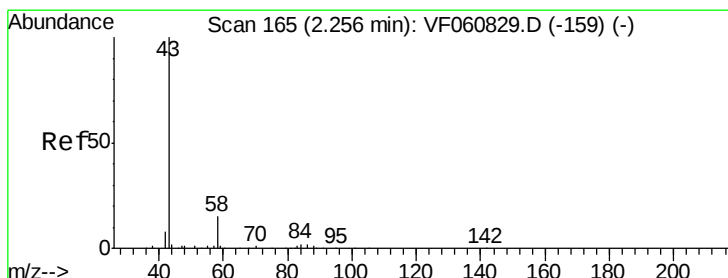
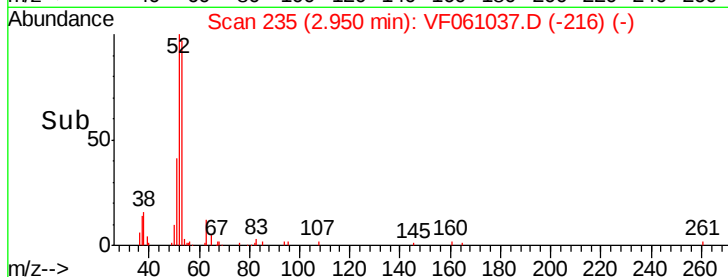
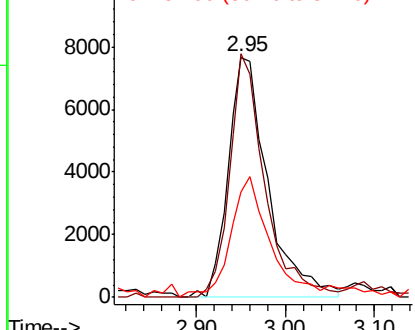
Tot Ion:	53	Resp:	23880
Ion	Ratio	Lower	Upper
53	100		
52	101.5	76.5	114.7
51	44.0	40.7	61.1

Manual Integrations
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Abundance Ion 53.00 (52.70 to 53.70): VF0
Ion 52.00 (51.70 to 52.70): VF0
Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 125.785 ug/l

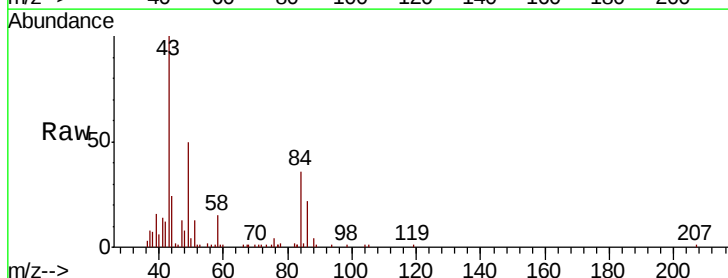
RT: 2.25 min Scan# 164

Delta R.T. -0.01 min

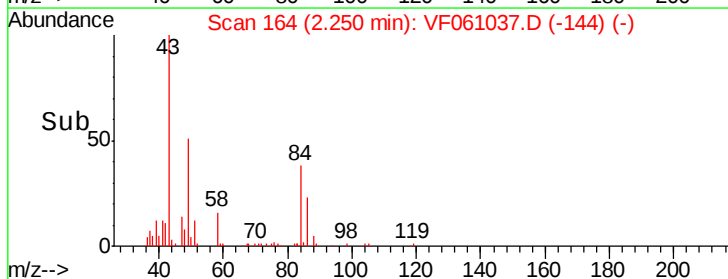
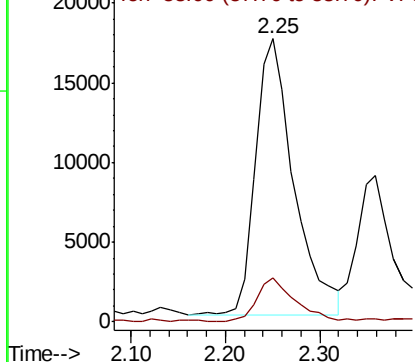
Lab File: VF061037.D

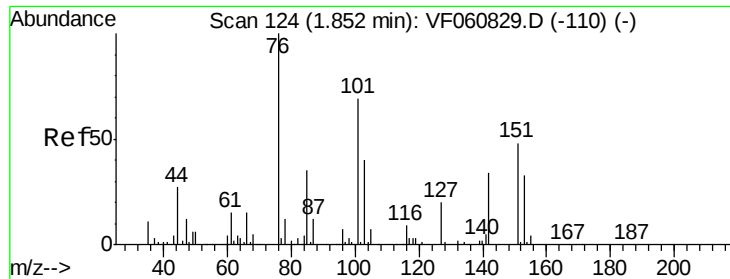
Acq: 17 Dec 2018 13:18

Tgt Ion:	43	Resp:	49378
Ion	Ratio	Lower	Upper
43	100		
58	15.5	11.4	17.2



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0





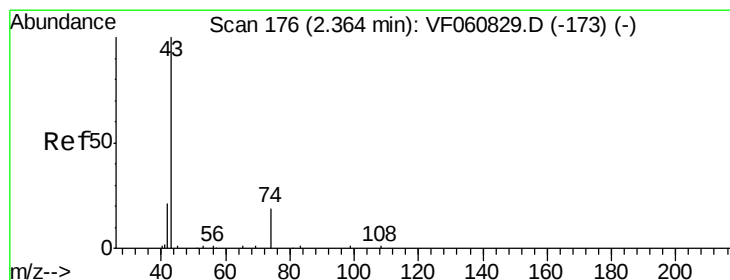
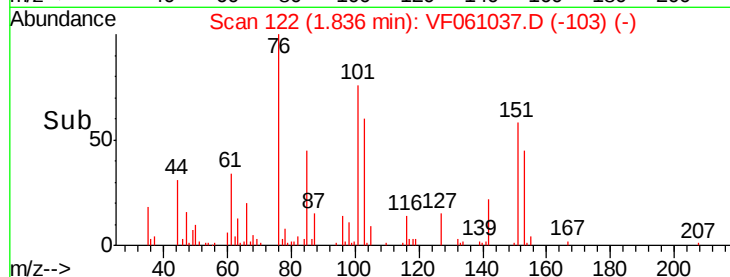
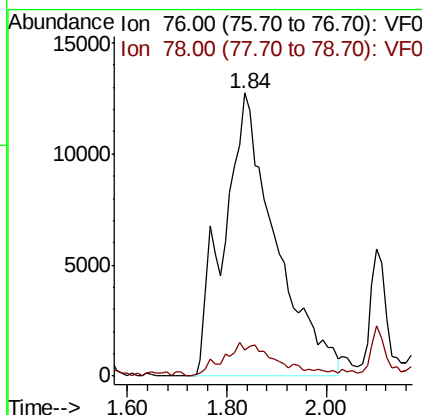
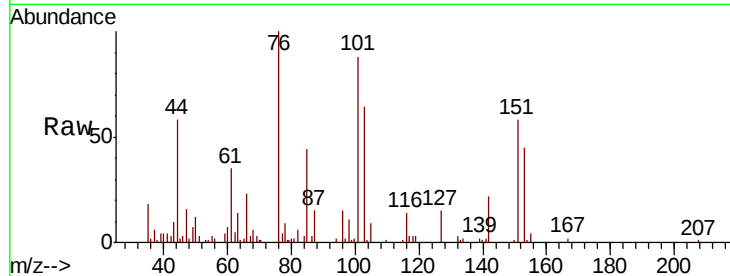
#17
Carbon Disulfide
Concen: 23.911 ug/l m
RT: 1.84 min Scan# 122
Delta R.T. -0.02 min
Lab File: VF061037.D
Acq: 17 Dec 2018 13:18

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion: 76 Resp: 91734
Ion Ratio Lower Upper
76 100
78 9.2 10.2 15.2#

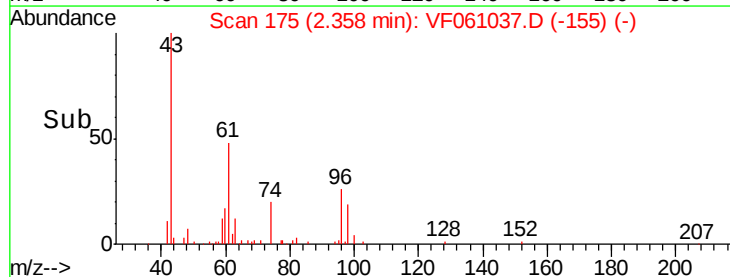
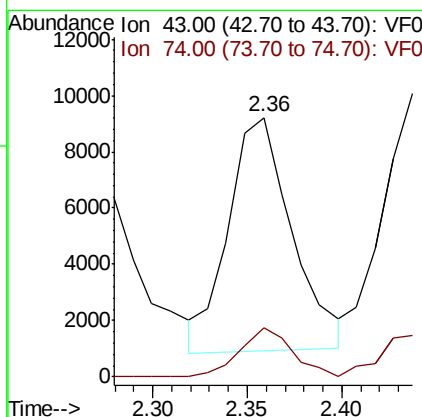
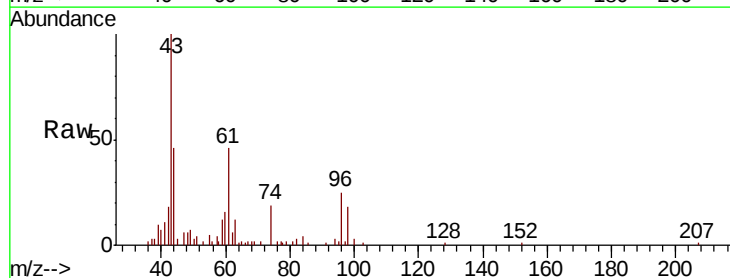
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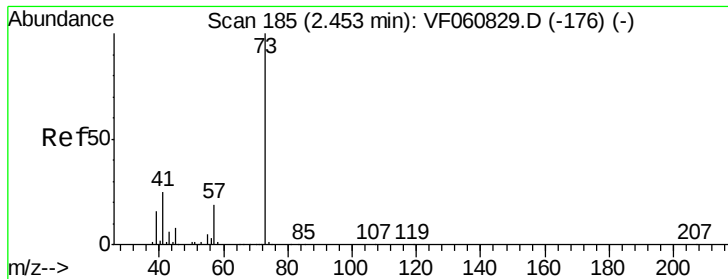
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#18
Methyl Acetate
Concen: 28.705 ug/l
RT: 2.36 min Scan# 175
Delta R.T. -0.01 min
Lab File: VF061037.D
Acq: 17 Dec 2018 13:18

Tgt Ion: 43 Resp: 19368
Ion Ratio Lower Upper
43 100
74 19.1 13.3 19.9





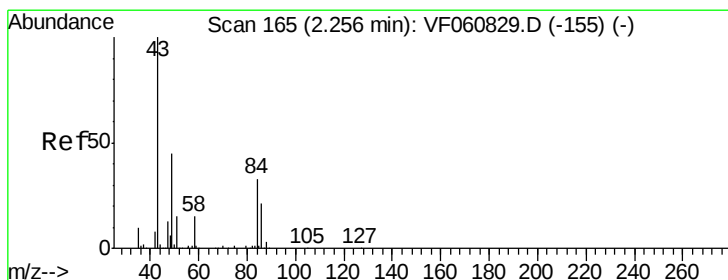
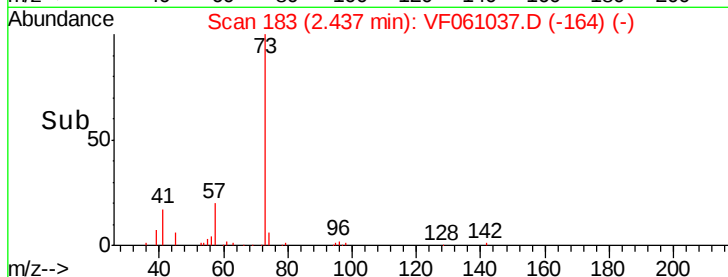
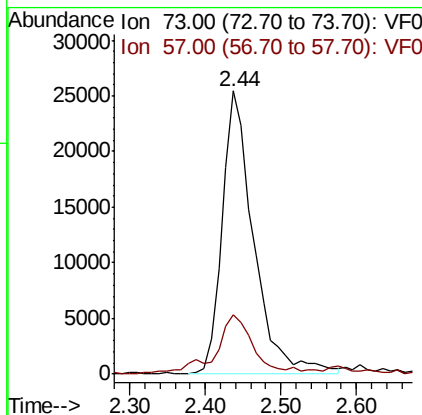
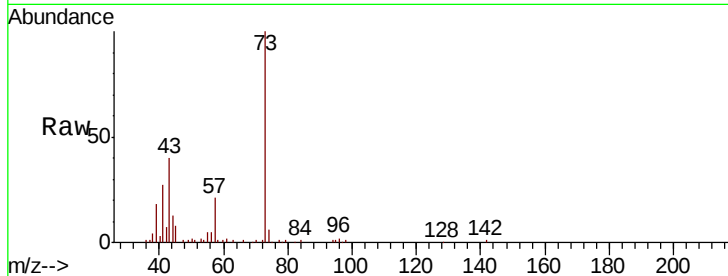
#19
Methvl tert-butvl Ether
Concen: 22.842 ug/l
RT: 2.44 min Scan# 183
Delta R.T. -0.02 min
Lab File: VF061037.D
Acq: 17 Dec 2018 13:18

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion: 73 Resp: 73613
Ion Ratio Lower Upper
73 100
57 21.0 15.3 22.9

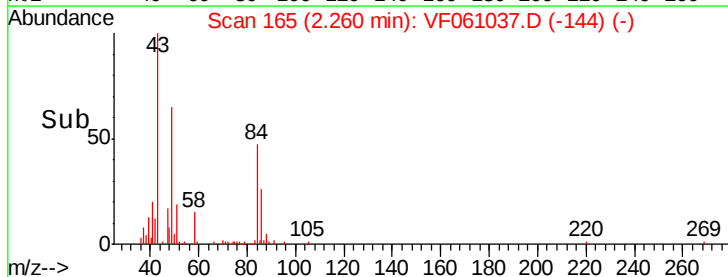
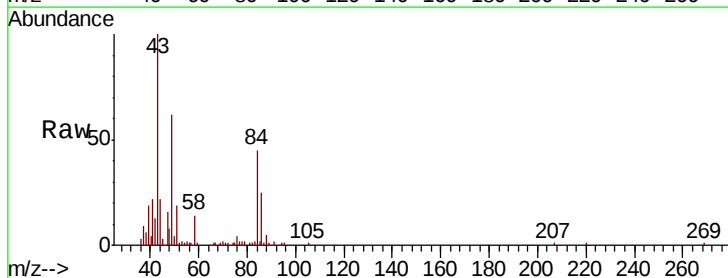
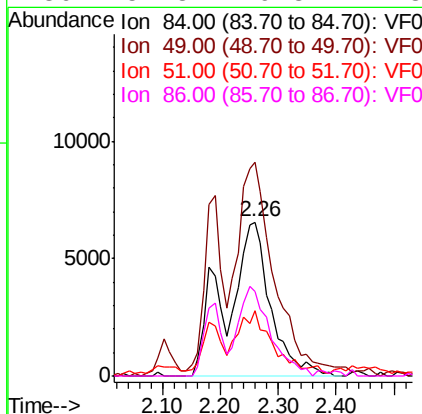
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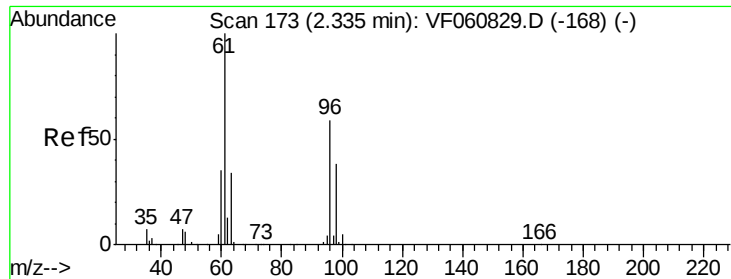
apatel
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#20
Methylene Chloride
Concen: 24.505 ug/l m
RT: 2.26 min Scan# 165
Delta R.T. 0.00 min
Lab File: VF061037.D
Acq: 17 Dec 2018 13:18

Tgt Ion: 84 Resp: 35290
Ion Ratio Lower Upper
84 100
49 138.8 111.3 166.9
51 42.6 38.0 57.0
86 54.8 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 23.625 ug/l m

RT: 2.32 min Scan# 171

Delta R.T. -0.02 min

Lab File: VF061037.D

Acq: 17 Dec 2018 13:18

Instrument :

MSVOA_F

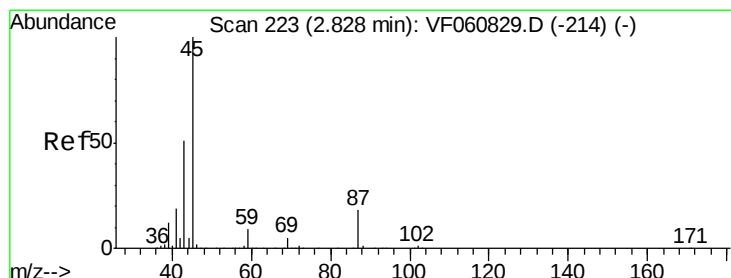
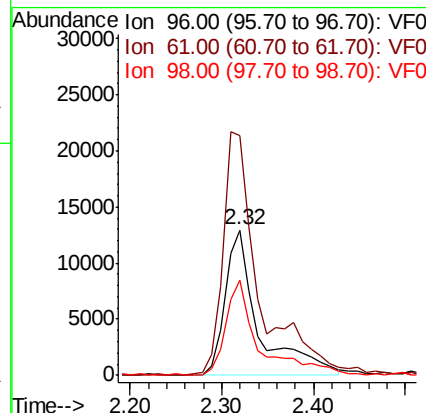
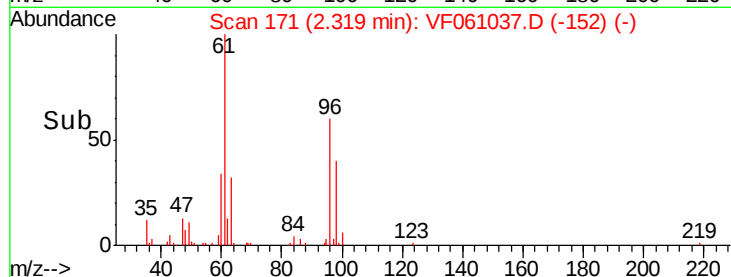
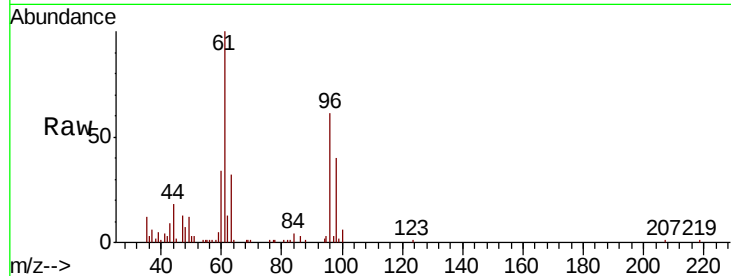
ClientSampleId :

VF1217SBS01

Tot Ion:	96	Resp:	32589
Ion	Ratio	Lower	Upper
96	100		
61	165.2	134.5	201.7
98	65.4	51.6	77.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 23.465 ug/l

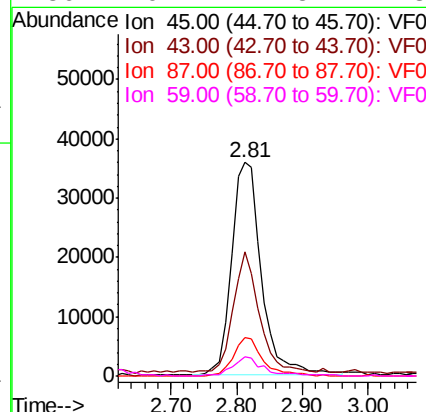
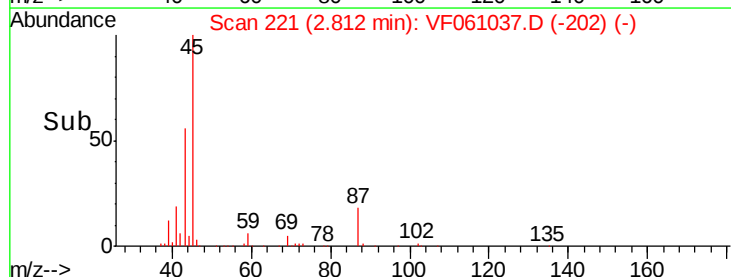
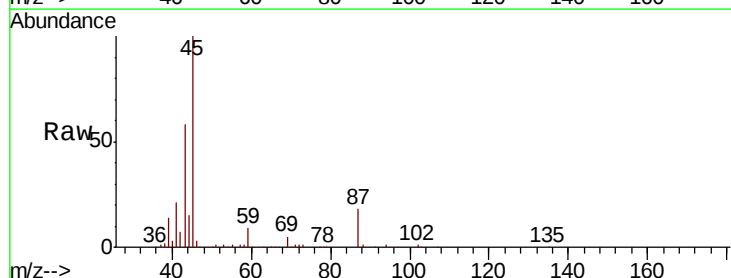
RT: 2.81 min Scan# 221

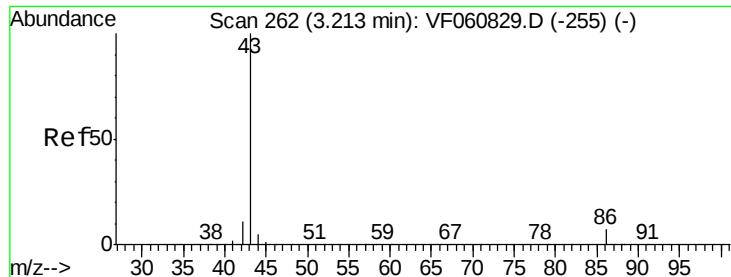
Delta R.T. -0.02 min

Lab File: VF061037.D

Acq: 17 Dec 2018 13:18

Tgt Ion:	45	Resp:	113907
Ion	Ratio	Lower	Upper
45	100		
43	58.3	41.0	61.6
87	18.0	14.6	22.0
59	9.1	7.5	11.3





#23

Vinyl Acetate

Concen: 116.348 ug/l

RT: 3.20 min Scan# 260

Delta R.T. -0.02 min

Lab File: VF061037.D

Acq: 17 Dec 2018 13:18

Instrument :

MSVOA_F

ClientSampleID :

VF1217SBS01

Tot Ion: 43 Resp: 258177

Ion Ratio Lower Upper

43 100

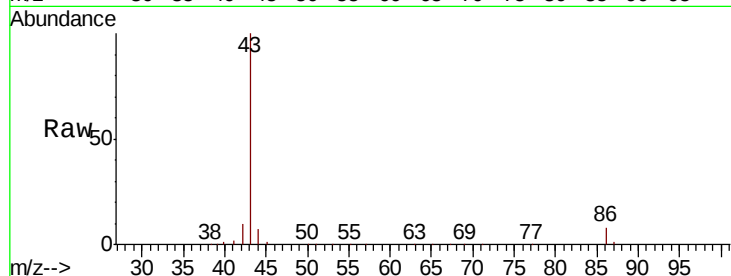
86 7.7 5.4 8.0

Manual Integrations

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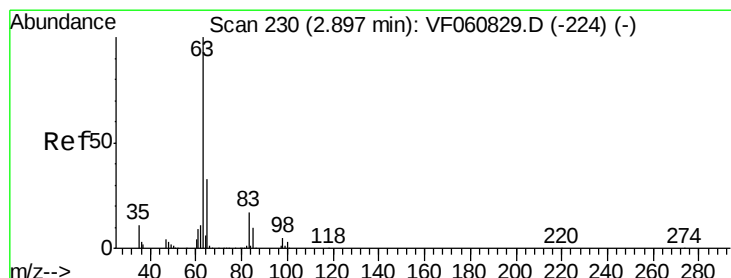
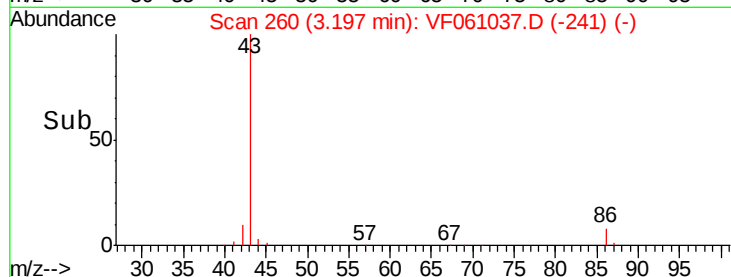
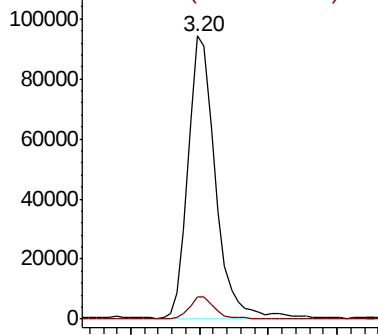
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 25.171 ug/l

RT: 2.88 min Scan# 228

Delta R.T. -0.02 min

Lab File: VF061037.D

Acq: 17 Dec 2018 13:18

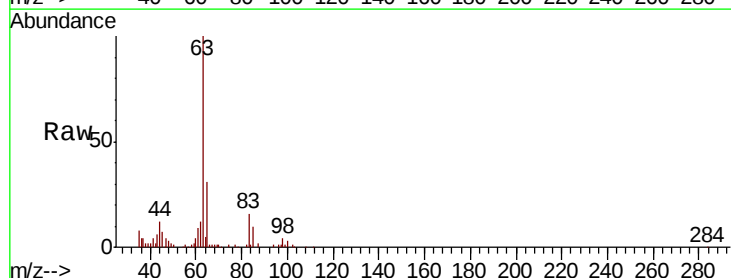
Tgt Ion: 63 Resp: 72698

Ion Ratio Lower Upper

63 100

98 4.4 2.7 8.1

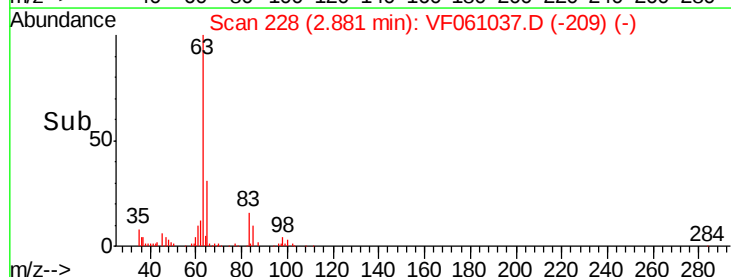
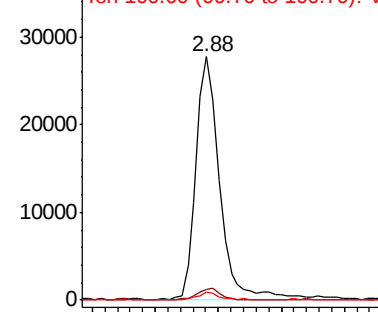
100 3.1 1.5 4.5

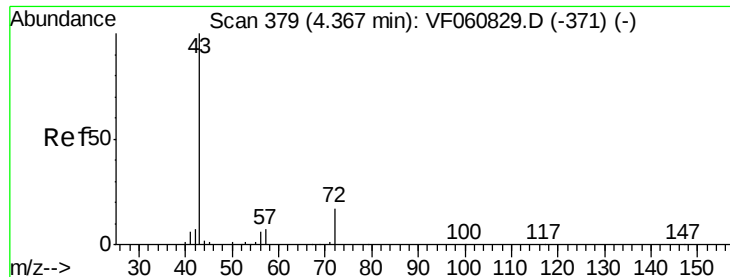


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 120.716 ug/l

RT: 4.35 min Scan# 377

Delta R.T. -0.02 min

Lab File: VF061037.D

Acq: 17 Dec 2018 13:18

Instrument :

MSVOA_F

ClientSampleId :

VF1217SBS01

Tot Ion: 43 Resp: 81965

Ion Ratio Lower Upper

43 100

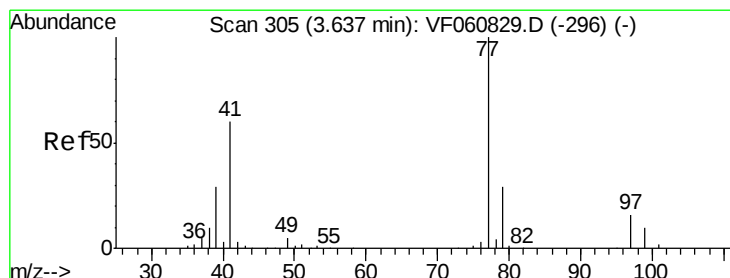
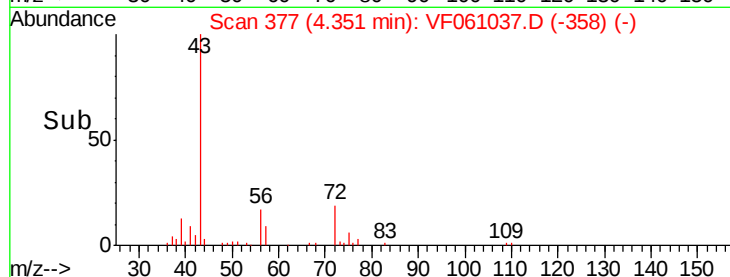
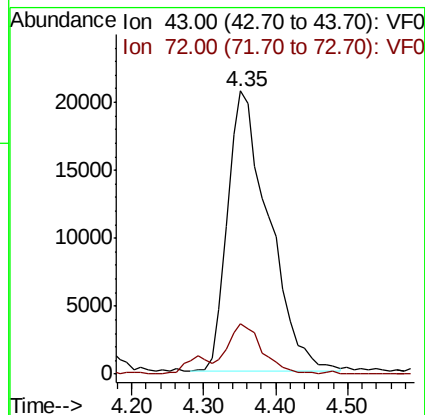
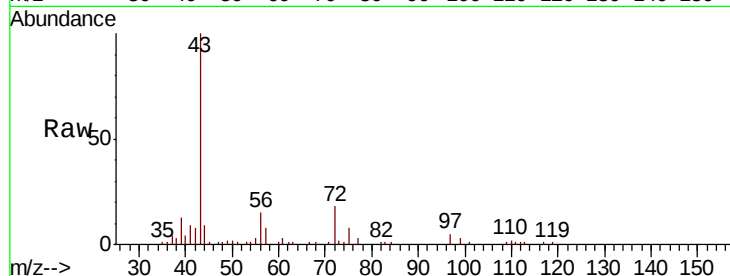
72 17.9 15.4 23.2

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#26

2,2-Dichloropropane

Concen: 24.582 ug/l

RT: 3.61 min Scan# 302

Delta R.T. -0.03 min

Lab File: VF061037.D

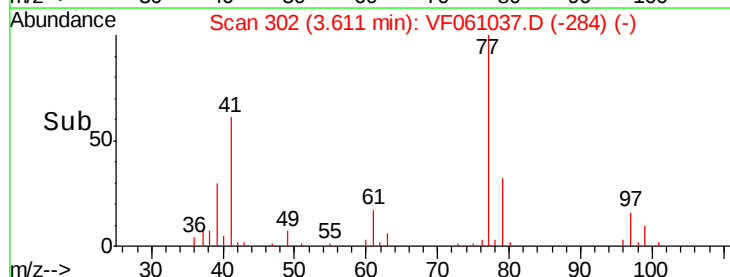
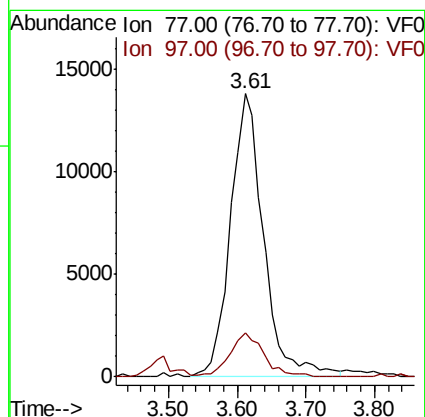
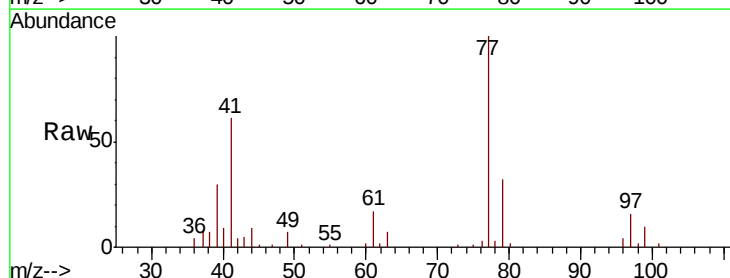
Acq: 17 Dec 2018 13:18

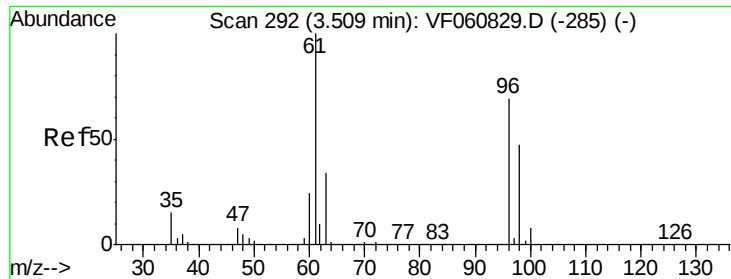
Tgt Ion: 77 Resp: 46029

Ion Ratio Lower Upper

77 100

97 15.5 8.6 25.8





#27

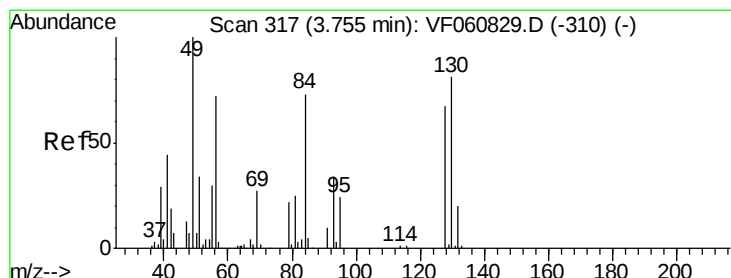
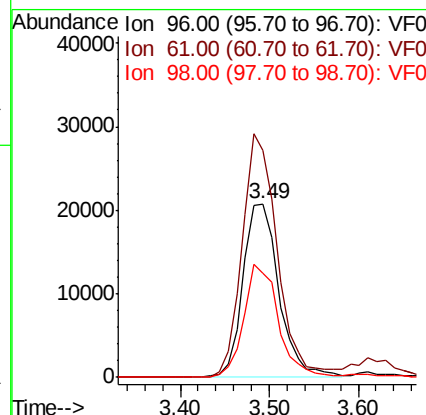
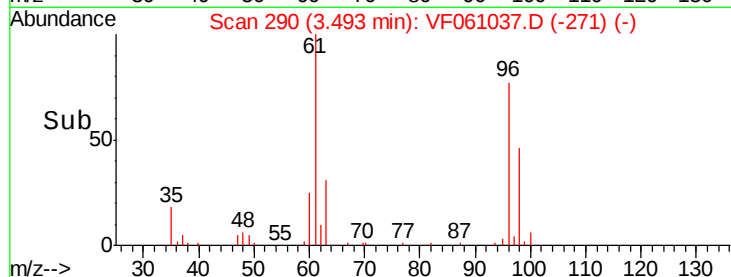
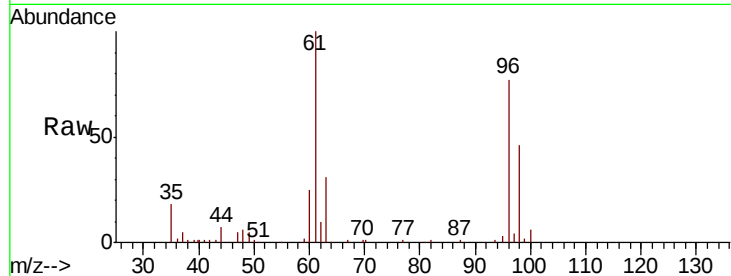
cis-1,2-Dichloroethene
Concen: 25.958 ug/l
RT: 3.49 min Scan# 290
Delta R.T. -0.02 min
Lab File: VF061037.D
Acq: 17 Dec 2018 13:18

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	58296		
61	130.4		0.0	290.6
98	59.7		0.0	137.8

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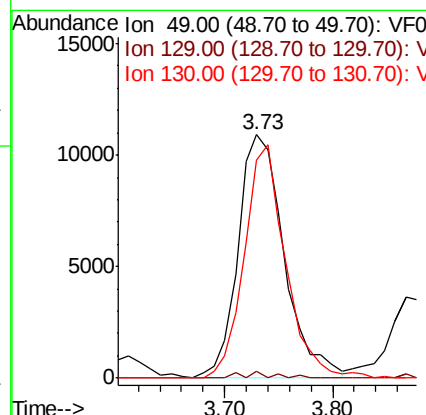
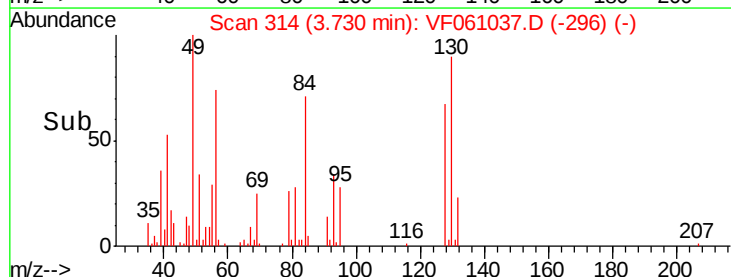
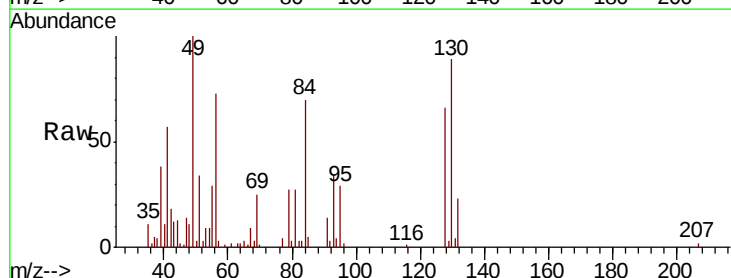
apatel
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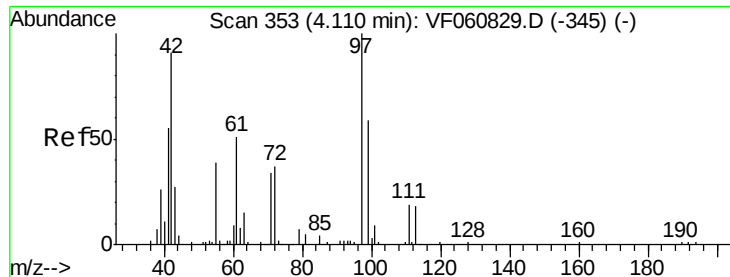


#28

Bromochloromethane
Concen: 23.341 ug/l
RT: 3.73 min Scan# 314
Delta R.T. -0.03 min
Lab File: VF061037.D
Acq: 17 Dec 2018 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	32353		
129	2.6		0.0	4.4
130	89.3		64.2	96.4





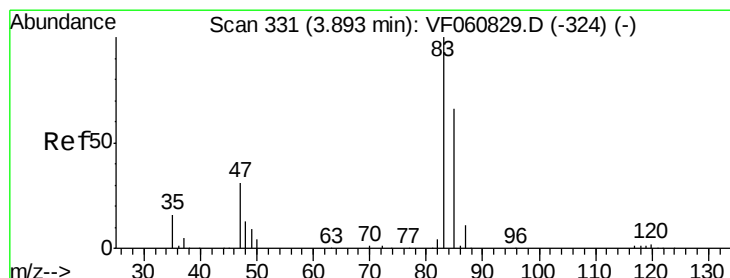
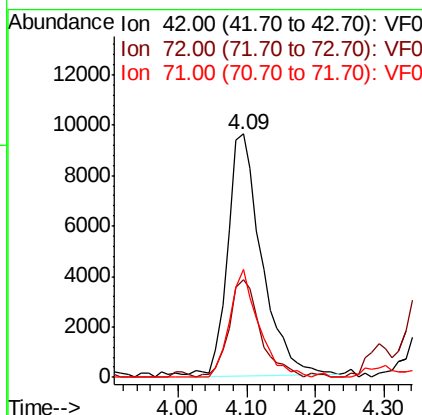
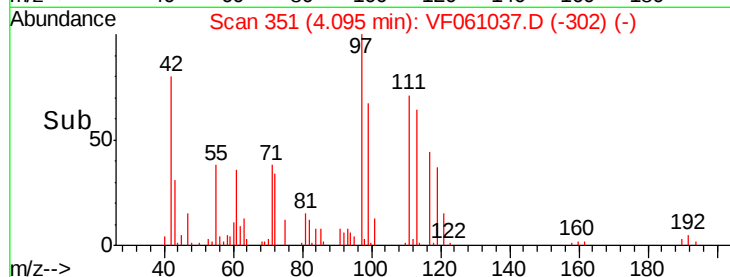
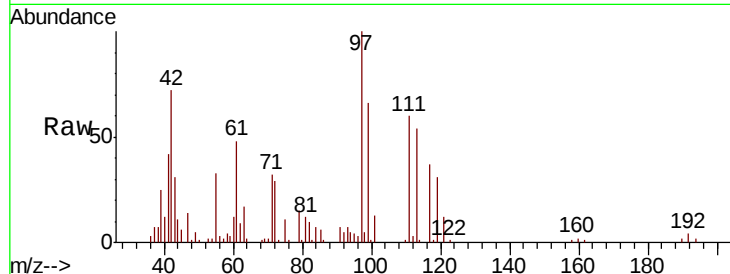
#29
Tetrahydrofuran
Concen: 114.015 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.02 min
Lab File: VF061037.D
Acq: 17 Dec 2018 13:18

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
42	100	32815		
72	37.1		31.9	47.9
71	38.1		28.7	43.1

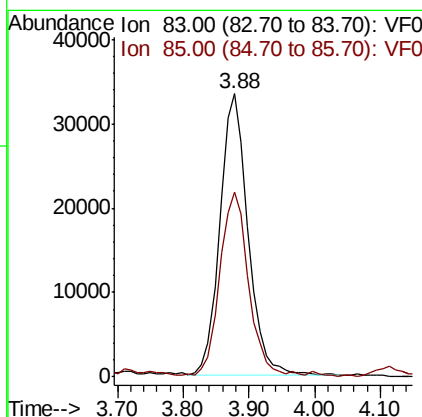
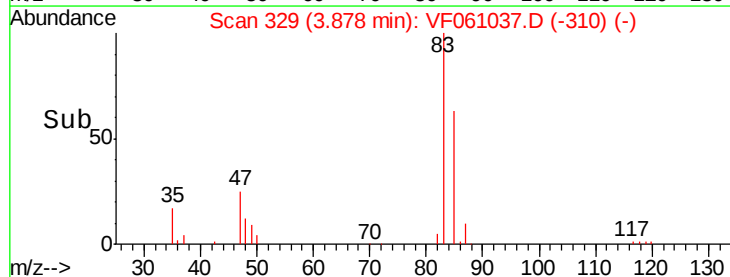
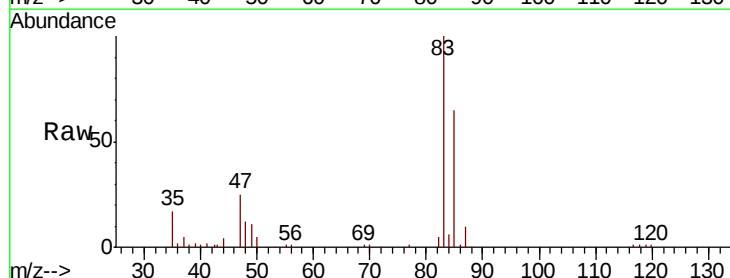
Manual Integrations
APPROVED

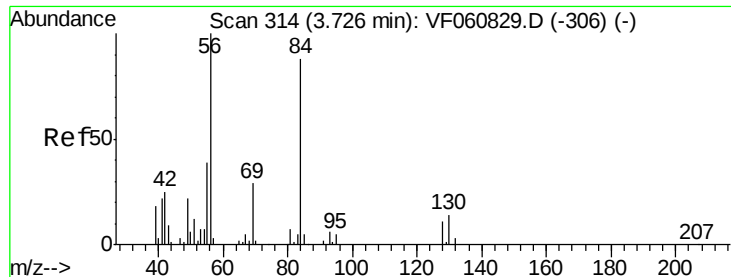
apatel
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#30
Chloroform
Concen: 22.207 ug/l
RT: 3.88 min Scan# 329
Delta R.T. -0.02 min
Lab File: VF061037.D
Acq: 17 Dec 2018 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	98711		
85	65.1		53.4	80.2





#31

Cyclohexane

Concen: 23.137 ug/l

RT: 3.71 min Scan# 312

Delta R.T. -0.02 min

Lab File: VF061037.D

Acq: 17 Dec 2018 13:18

Instrument :

MSVOA_F

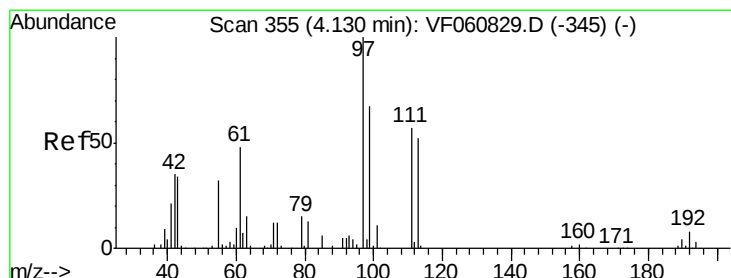
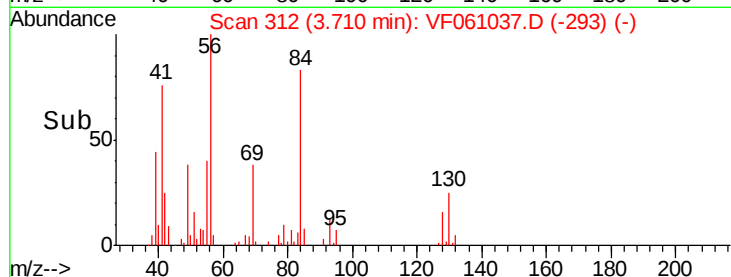
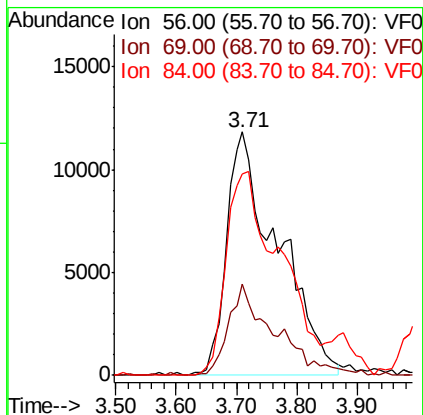
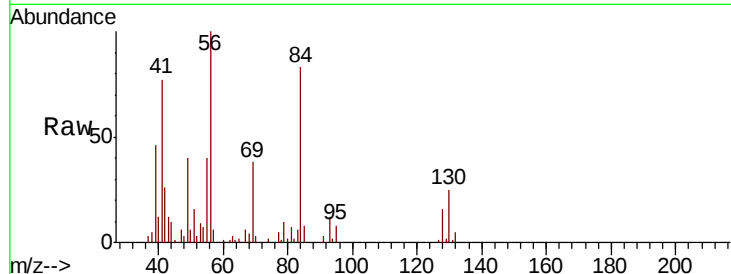
ClientSampleId :

VF1217SBS01

Tot Ion:	56	Resp:	69351
Ion Ratio	Lower	Upper	
56	100		
69	37.7	23.0	34.4#
84	82.8	70.4	105.6

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#32

1,1,1-Trichloroethane

Concen: 23.414 ug/l

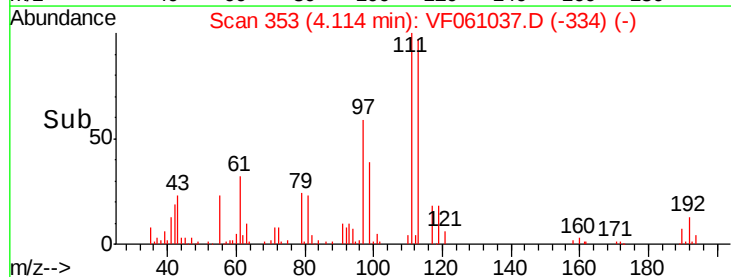
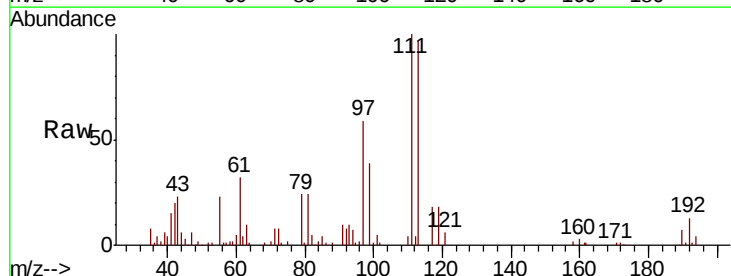
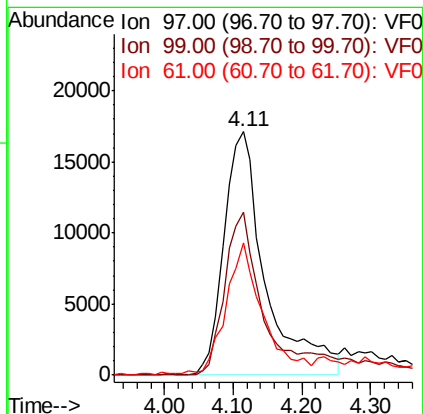
RT: 4.11 min Scan# 353

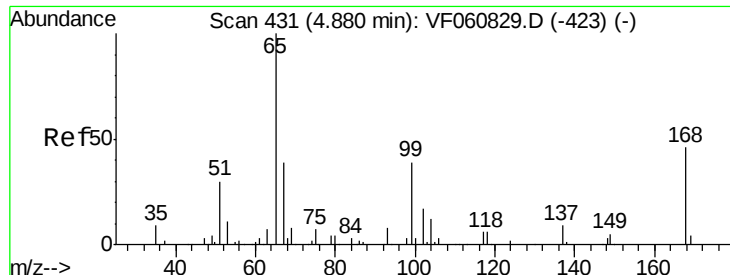
Delta R.T. -0.02 min

Lab File: VF061037.D

Acq: 17 Dec 2018 13:18

Tgt Ion:	97	Resp:	72180
Ion Ratio	Lower	Upper	
97	100		
99	66.9	53.5	80.3
61	54.1	38.6	58.0





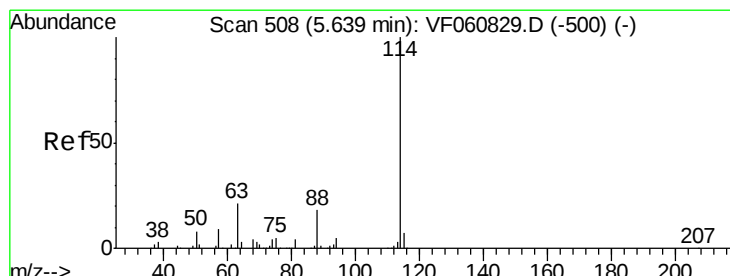
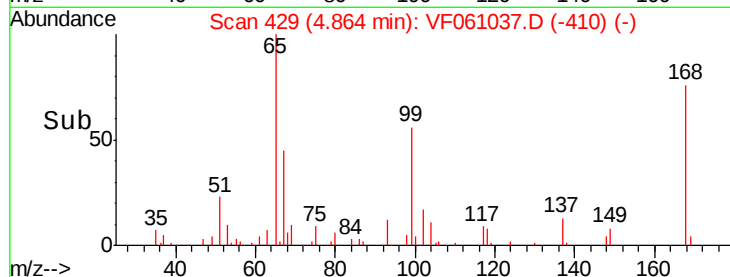
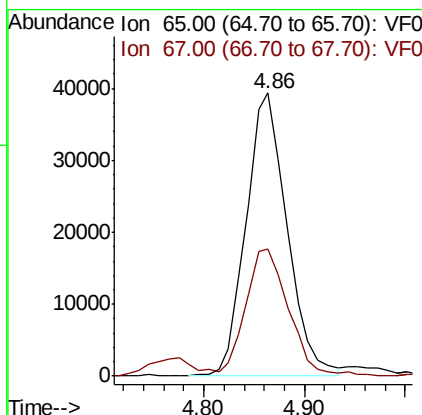
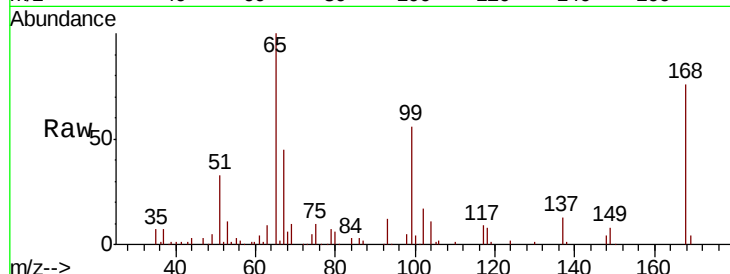
#33
 1,2-Dichloroethane-d4
 Concen: 52.522 ug/l
 RT: 4.86 min Scan# 429
 Delta R.T. -0.02 min
 Lab File: VF061037.D
 Acq: 17 Dec 2018 13:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	111808		
67	44.8	0.0	96.4	

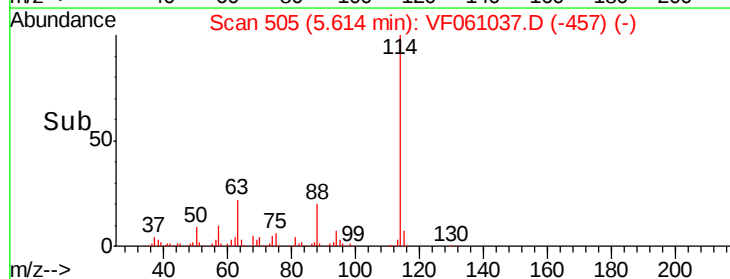
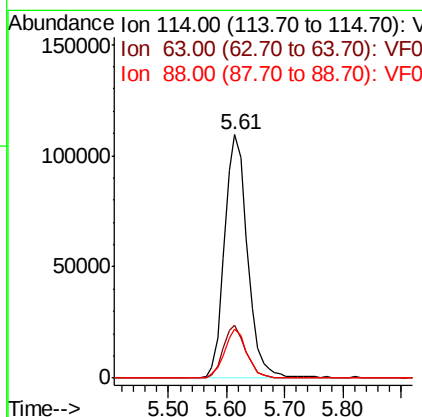
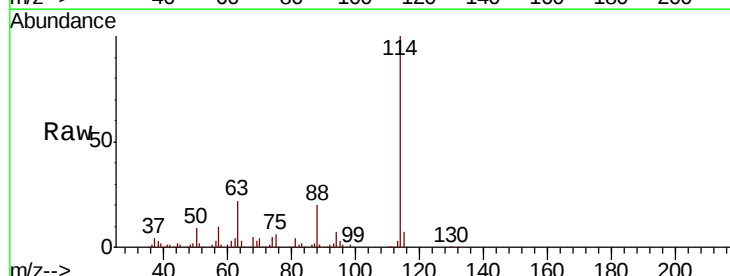
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. -0.03 min
 Lab File: VF061037.D
 Acq: 17 Dec 2018 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	300618		
63	21.7	0.0	41.6	
88	20.3	0.0	36.6	





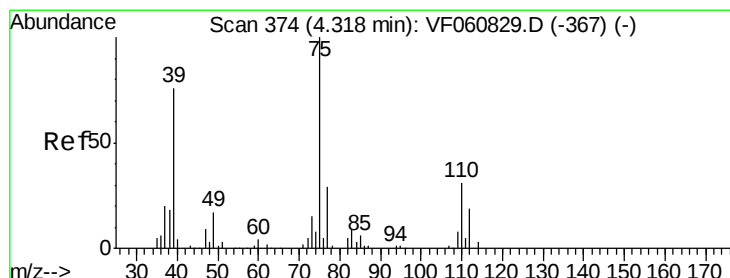
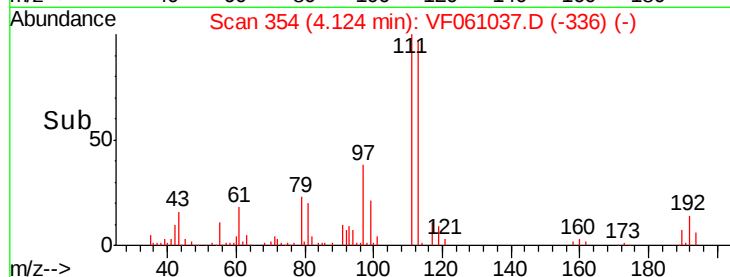
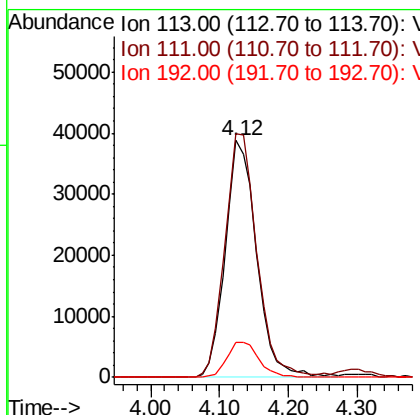
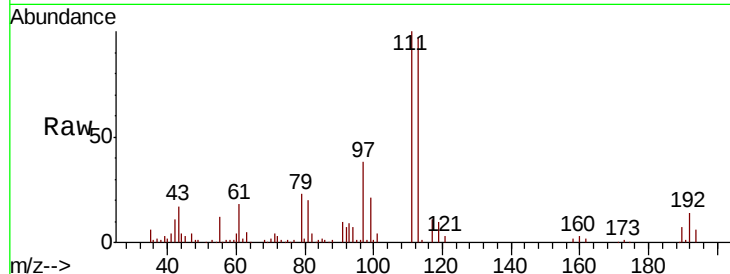
#35
Dibromofluoromethane
Concen: 51.482 ug/l
RT: 4.12 min Scan# 354
Delta R.T. -0.03 min
Lab File: VF061037.D
Acq: 17 Dec 2018 13:18

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	122779		
111	102.7	83.0	124.6	
192	14.7	12.3	18.5	

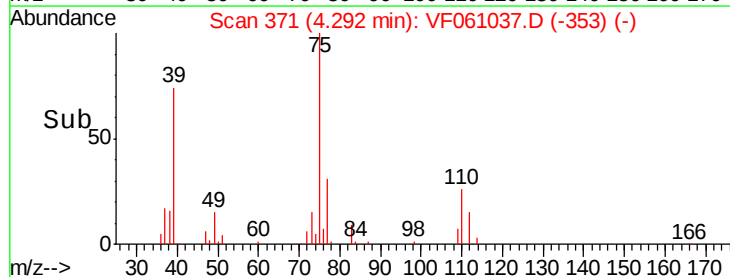
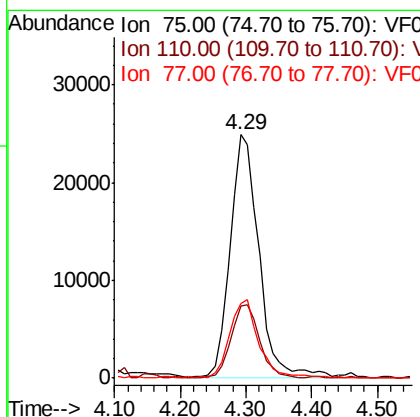
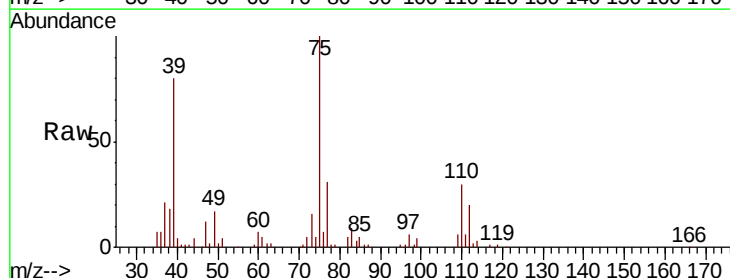
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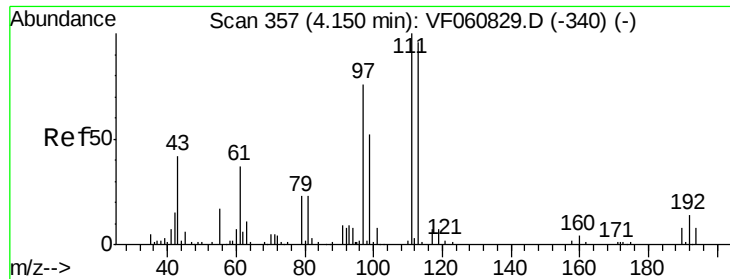
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#36
1,1-Dichloropropene
Concen: 23.106 ug/l
RT: 4.29 min Scan# 371
Delta R.T. -0.03 min
Lab File: VF061037.D
Acq: 17 Dec 2018 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	77043		
110	29.9	15.6	46.8	
77	30.5	23.4	35.0	





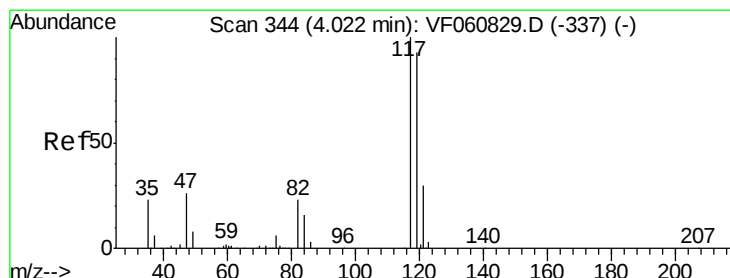
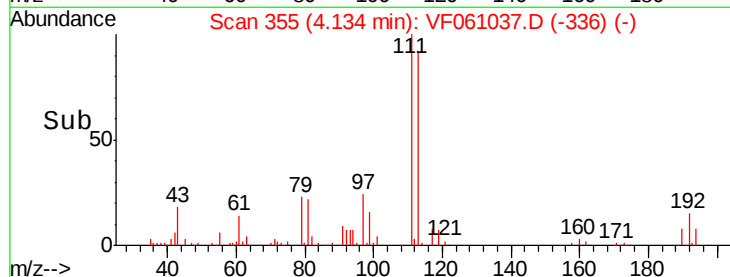
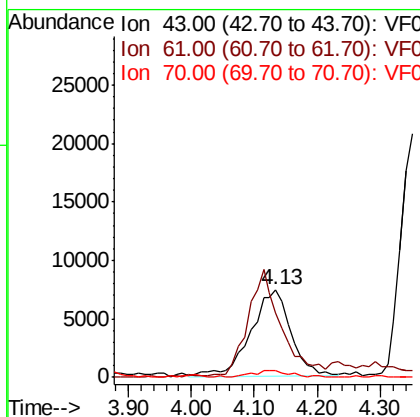
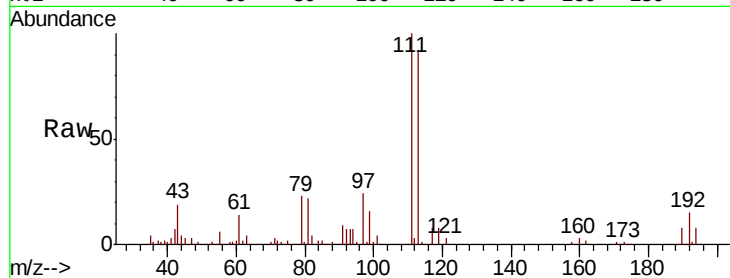
#37
Ethyl Acetate
Concen: 24.154 ug/l
RT: 4.13 min Scan# 355
Delta R.T. -0.02 min
Lab File: VF061037.D
Acq: 17 Dec 2018 13:18

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion	43	61	70	Ratio	Lower	Upper
32728	100	73.5	7.9		68.6	103.0
					9.0	13.4

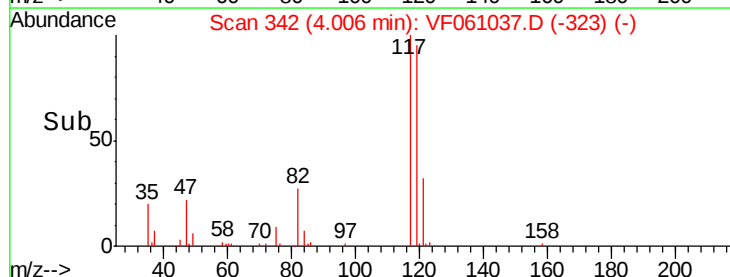
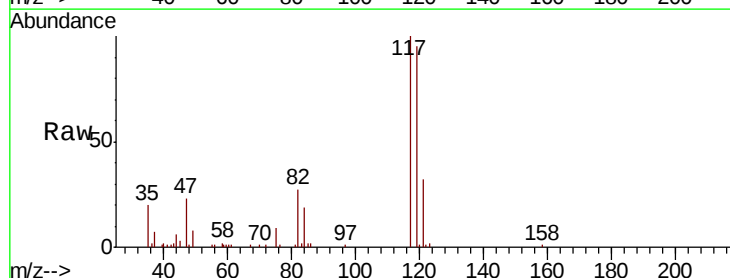
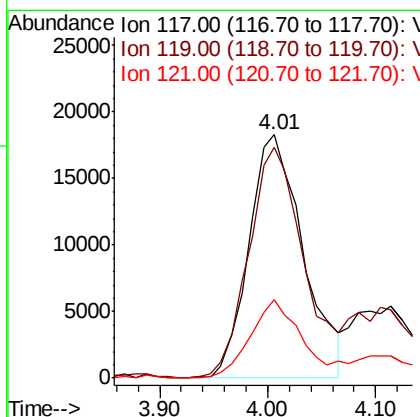
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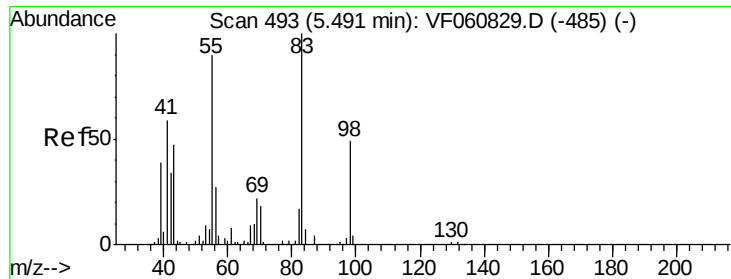
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#38
Carbon Tetrachloride
Concen: 21.683 ug/l
RT: 4.01 min Scan# 342
Delta R.T. -0.02 min
Lab File: VF061037.D
Acq: 17 Dec 2018 13:18

Tgt Ion	117	119	121	Ratio	Lower	Upper
63859	100	94.8	32.8		74.4	111.6
					23.5	35.3





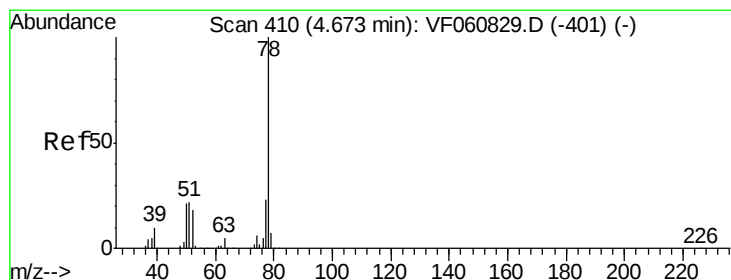
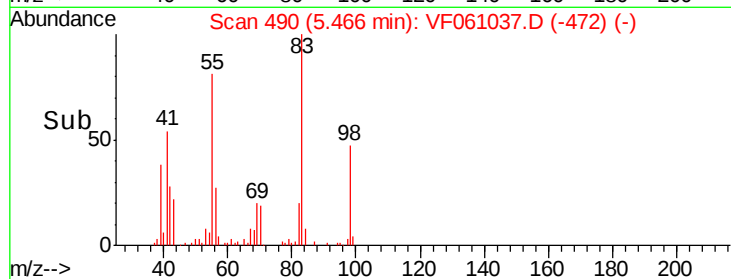
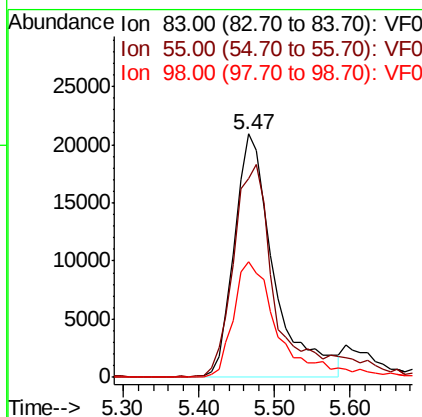
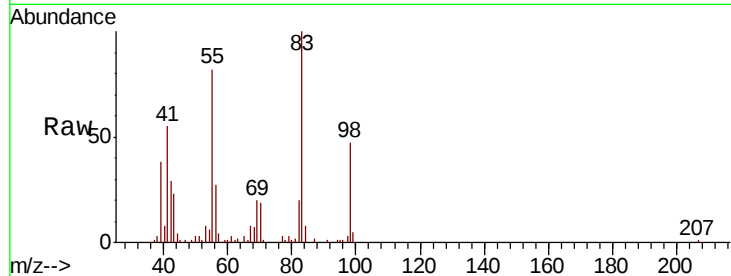
#39
Methvlcvclohexane
Concen: 21.778 ug/l
RT: 5.47 min Scan# 490
Delta R.T. -0.03 min
Lab File: VF061037.D
Acq: 17 Dec 2018 13:18

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.8	72.1	108.1
98	47.5	39.1	58.7

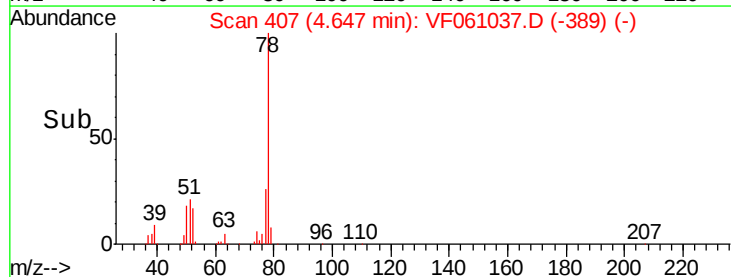
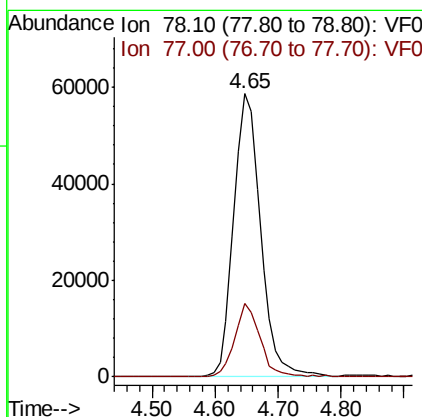
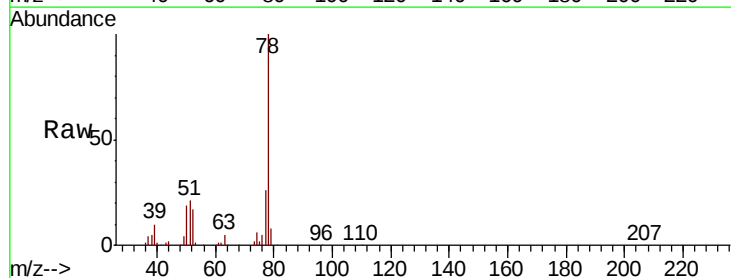
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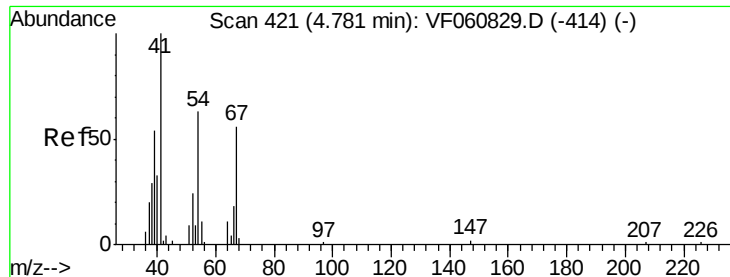
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#40
Benzene
Concen: 23.691 ug/l
RT: 4.65 min Scan# 407
Delta R.T. -0.03 min
Lab File: VF061037.D
Acq: 17 Dec 2018 13:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.0	18.7	28.1





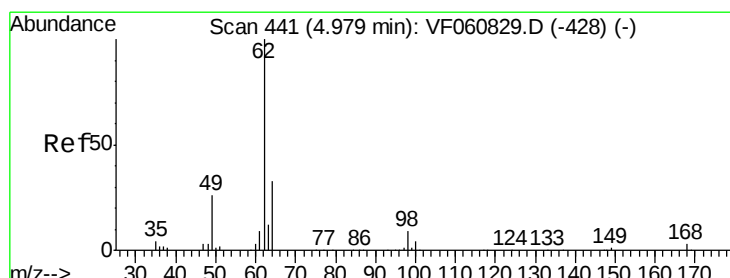
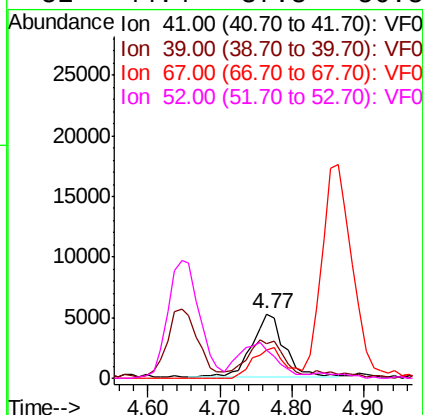
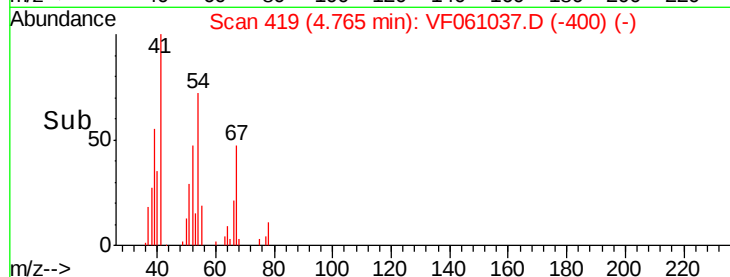
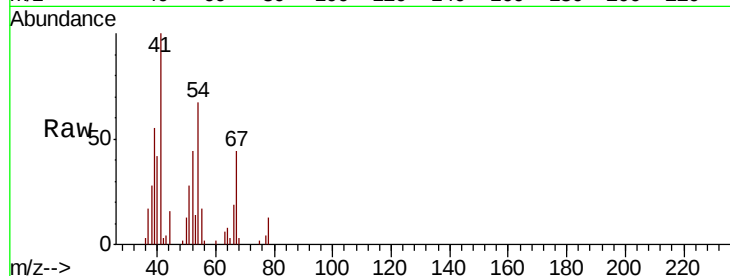
#41
Methacrylonitrile
Concen: 20.621 ug/l
RT: 4.77 min Scan# 419
Delta R.T. -0.02 min
Lab File: VF061037.D
Acq: 17 Dec 2018 13:18

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.5	53.0	79.6
67	43.8	43.8	65.6
52	44.4	37.8	56.8

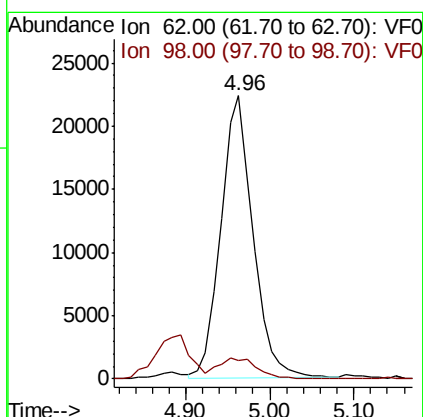
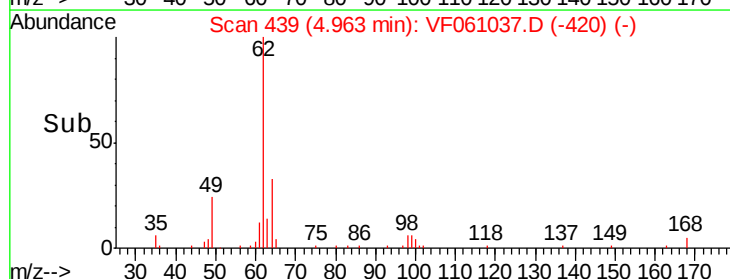
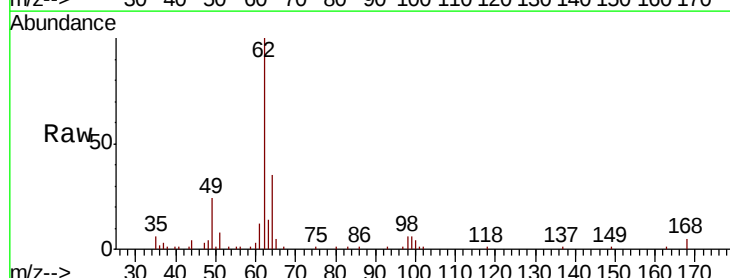
Manual Integrations
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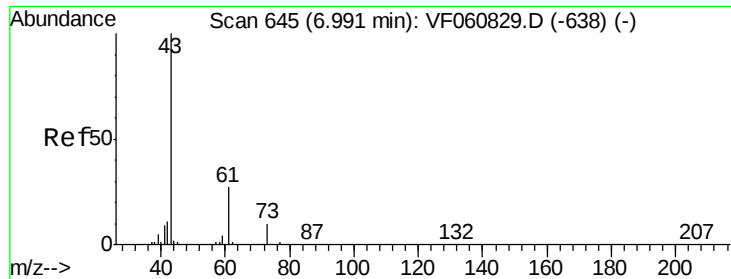
apatel
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#42
1,2-Dichloroethane
Concen: 21.986 ug/l
RT: 4.96 min Scan# 439
Delta R.T. -0.02 min
Lab File: VF061037.D
Acq: 17 Dec 2018 13:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.4	0.0	17.2





#43

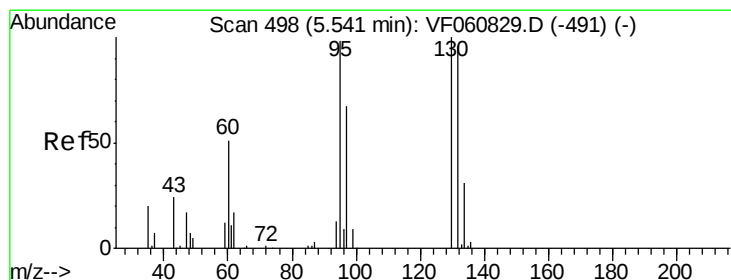
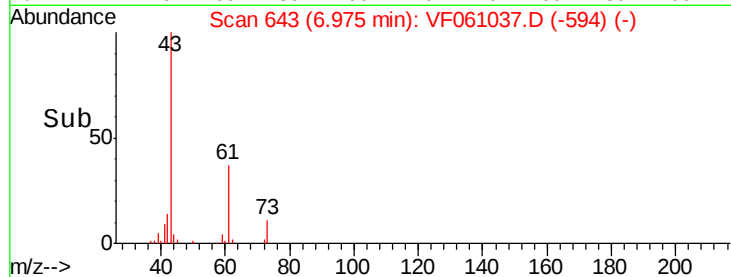
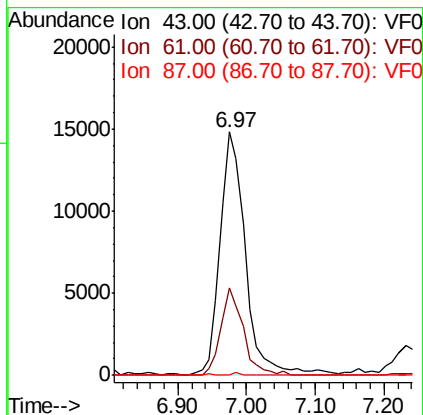
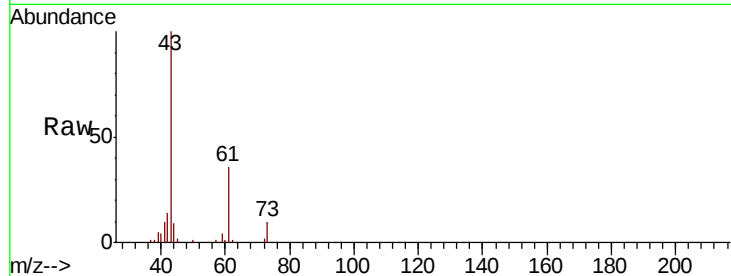
Isopropyl Acetate
 Concen: 21.213 ug/l
 RT: 6.97 min Scan# 643
 Delta R.T. -0.02 min
 Lab File: VF061037.D
 Acq: 17 Dec 2018 13:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1217SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	36.0	21.4	32.0#
87	0.0	0.2	0.4#

Manual Integrations
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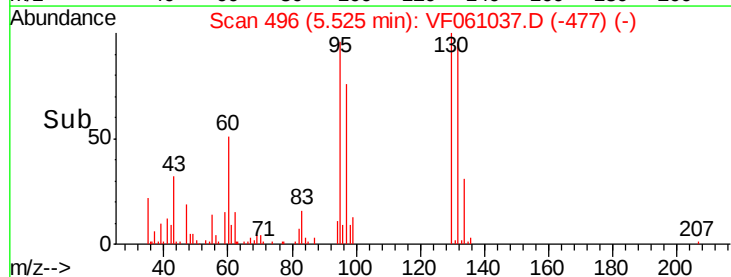
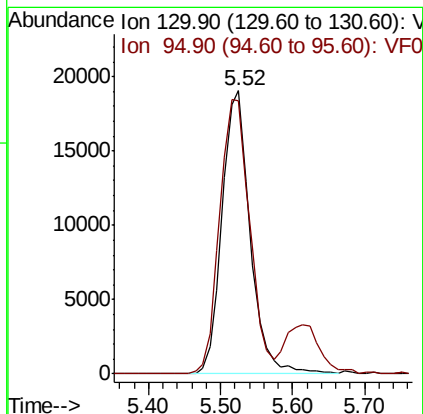
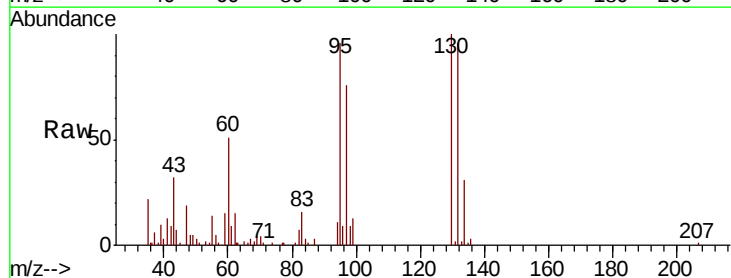
apatel
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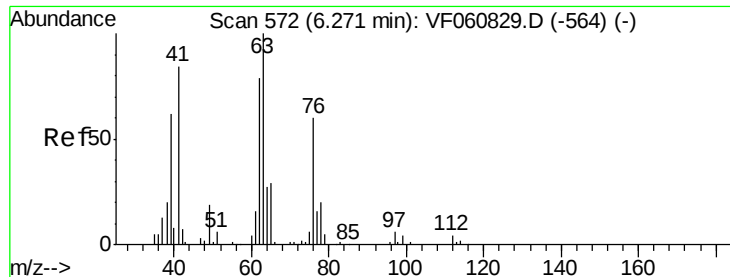


#44

Trichloroethene
 Concen: 21.342 ug/l
 RT: 5.52 min Scan# 496
 Delta R.T. -0.02 min
 Lab File: VF061037.D
 Acq: 17 Dec 2018 13:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	195.6





#45

1,2-Dichloropropane

Concen: 22.945 ug/l

RT: 6.25 min Scan# 570

Delta R.T. -0.02 min

Lab File: VF061037.D

Acq: 17 Dec 2018 13:18

Instrument :

MSVOA_F

ClientSampleId :

VF1217SBS01

Tot Ion: 63 Resp: 43897

Ion Ratio Lower Upper

63 100

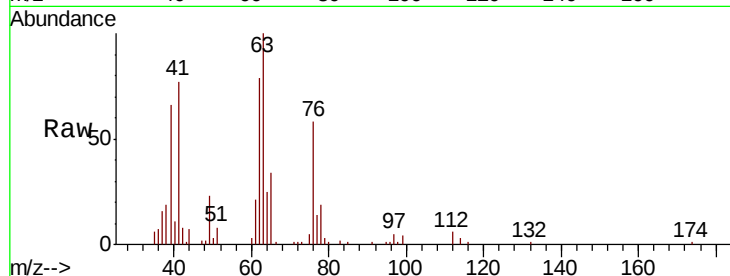
65 33.6 23.2 34.8

Manual Integrations

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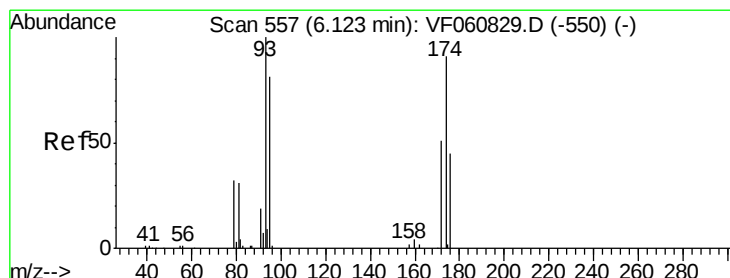
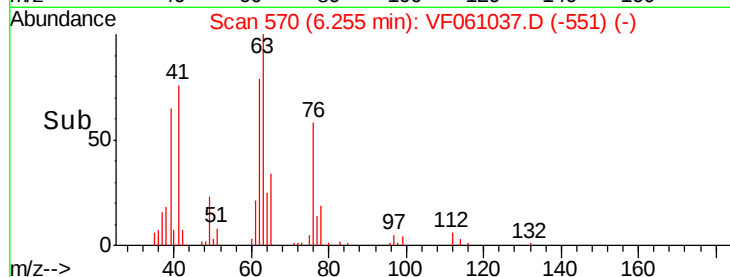
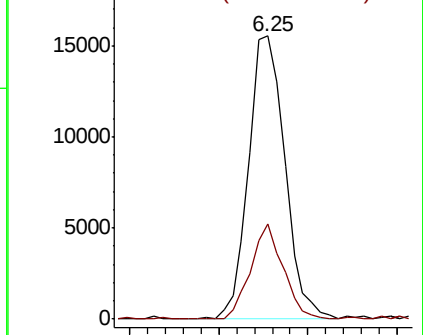
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 21.261 ug/l

RT: 6.10 min Scan# 554

Delta R.T. -0.03 min

Lab File: VF061037.D

Acq: 17 Dec 2018 13:18

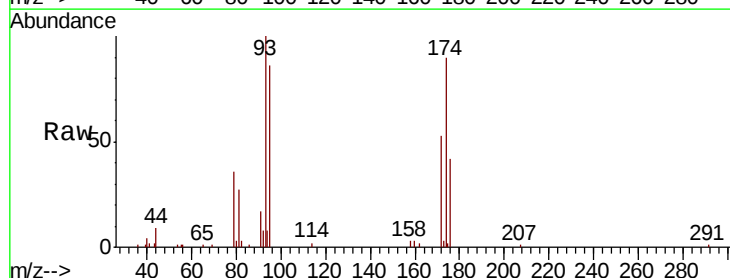
Tgt Ion: 93 Resp: 27593

Ion Ratio Lower Upper

93 100

95 85.7 64.7 97.1

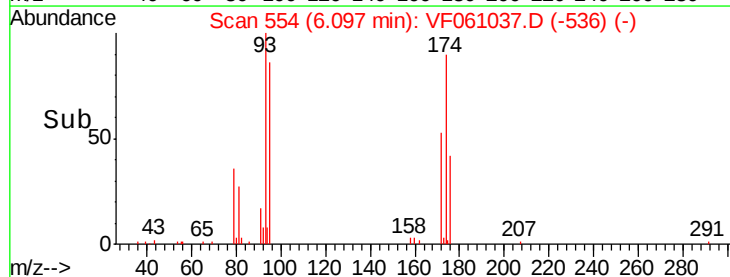
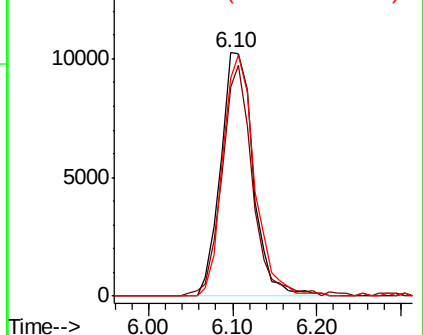
174 92.0 73.0 109.6

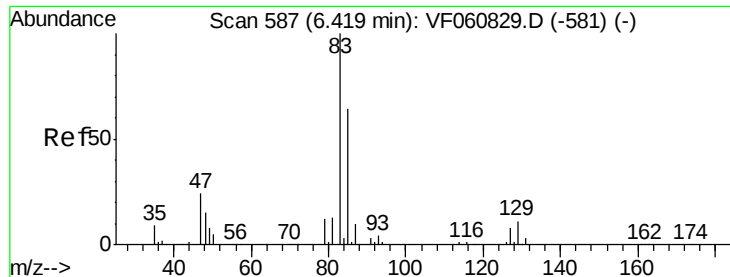


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 22.586 ug/l

RT: 6.40 min Scan# 585

Delta R.T. -0.02 min

Lab File: VF061037.D

Acq: 17 Dec 2018 13:18

Instrument :

MSVOA_F

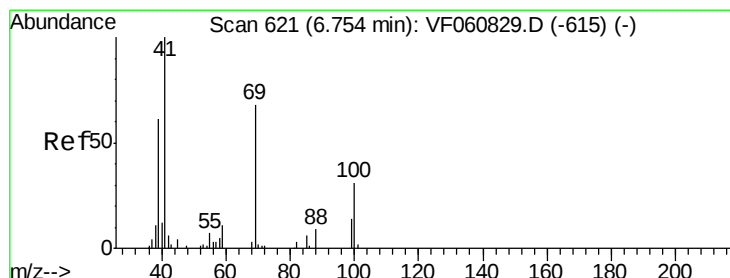
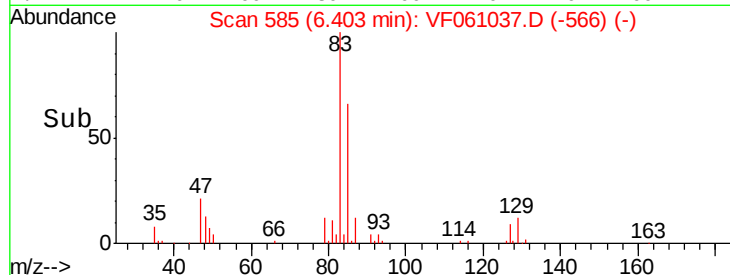
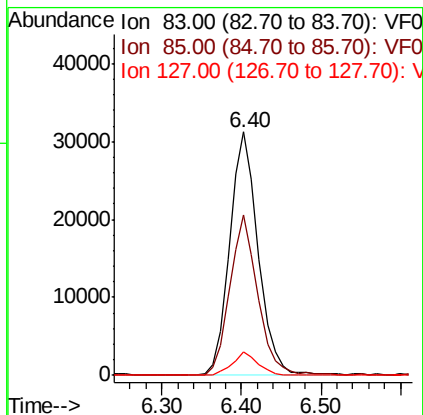
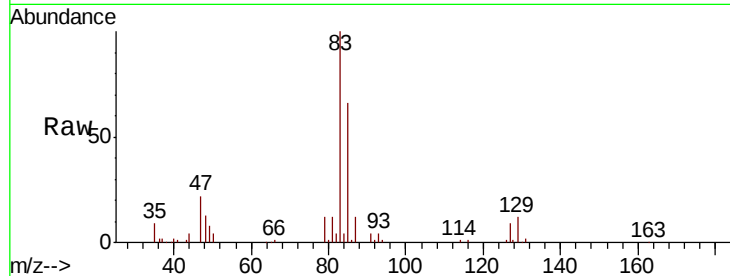
ClientSampleId :

VF1217SBS01

Tot Ion:	83	Resp:	77853
Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.1	76.7
127	9.5	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.097 ug/l

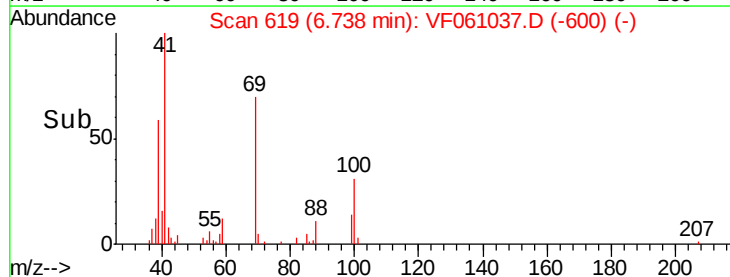
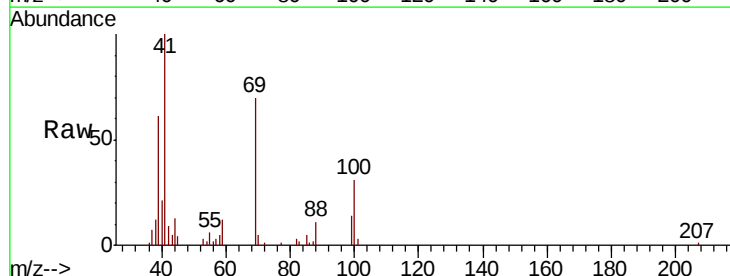
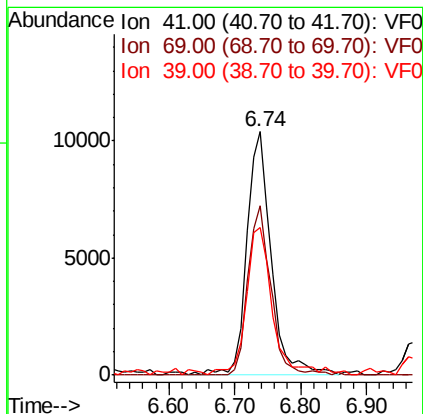
RT: 6.74 min Scan# 619

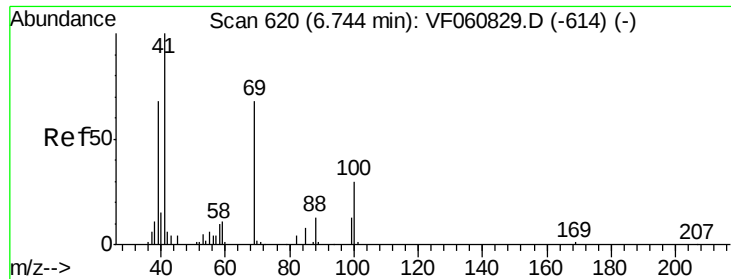
Delta R.T. -0.02 min

Lab File: VF061037.D

Acq: 17 Dec 2018 13:18

Tgt Ion:	41	Resp:	27102
Ion	Ratio	Lower	Upper
41	100		
69	69.7	53.9	80.9
39	60.8	49.0	73.6





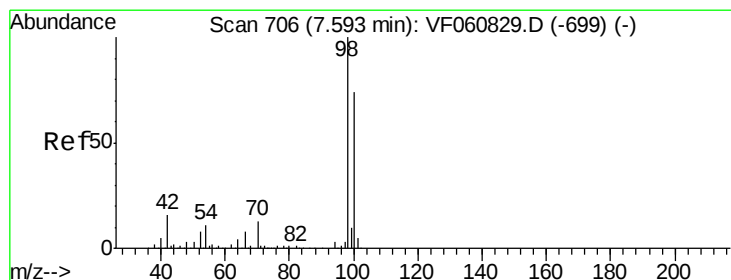
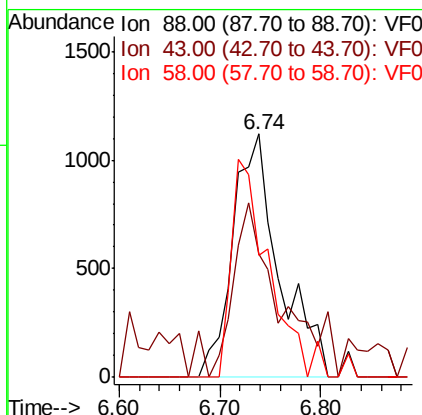
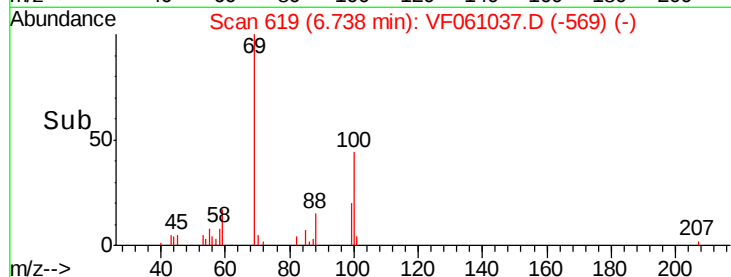
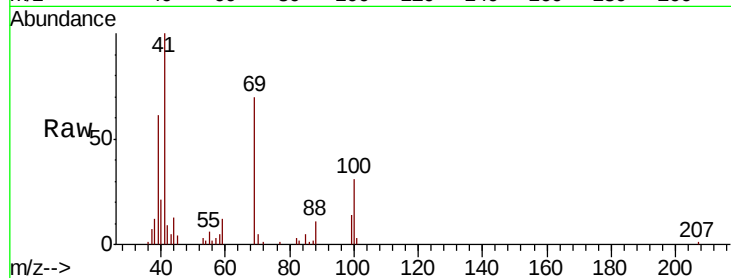
#49
1,4-Dioxane
Concen: 401.497 ug/l
RT: 6.74 min Scan# 619
Delta R.T. -0.01 min
Lab File: VF061037.D
Acq: 17 Dec 2018 13:18

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	50.7	42.0	63.0
58	50.2	61.8	92.8#

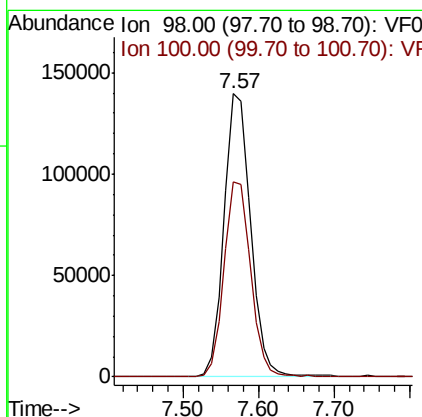
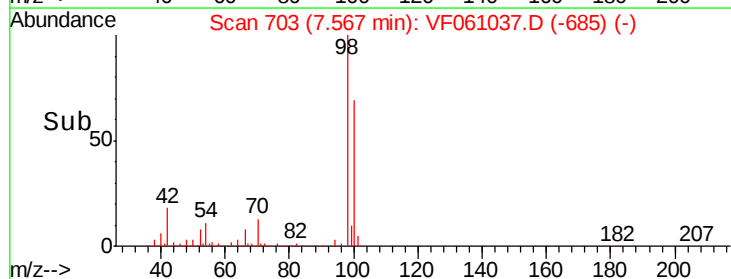
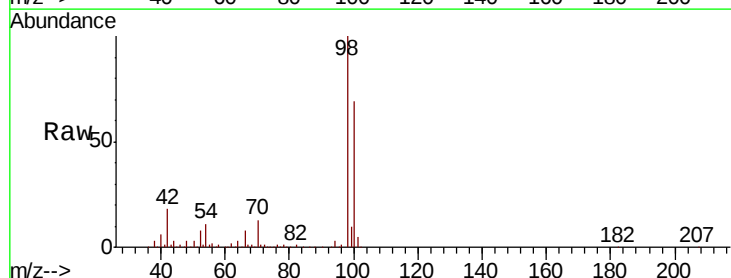
Manual Integrations
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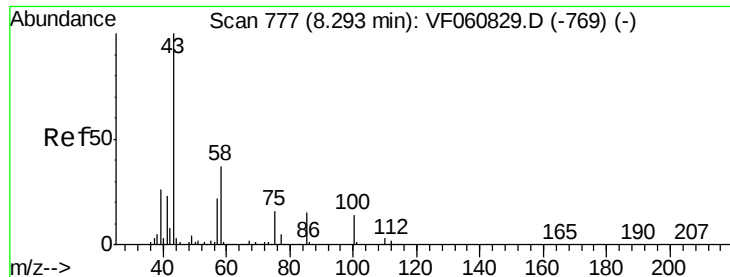
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#50
Toluene-d8
Concen: 48.575 ug/l
RT: 7.57 min Scan# 703
Delta R.T. -0.03 min
Lab File: VF061037.D
Acq: 17 Dec 2018 13:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.1	59.3	88.9





#51

4-Methyl-2-Pentanone

Concen: 112.031 ug/l

RT: 8.28 min Scan# 775

Delta R.T. -0.02 min

Lab File: VF061037.D

Acq: 17 Dec 2018 13:18

Instrument :

MSVOA_F

ClientSampleId :

VF1217SBS01

Tot Ion: 43 Resp: 139985

Ion Ratio Lower Upper

43 100

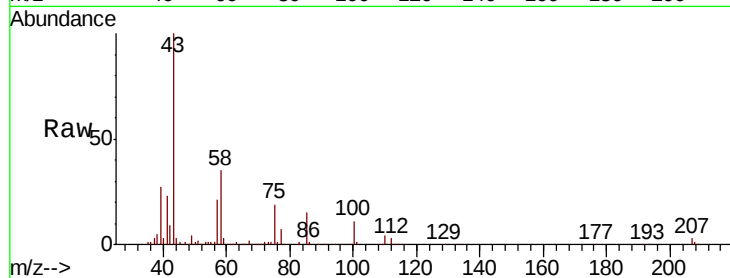
58 35.1 29.7 44.5

Manual Integrations

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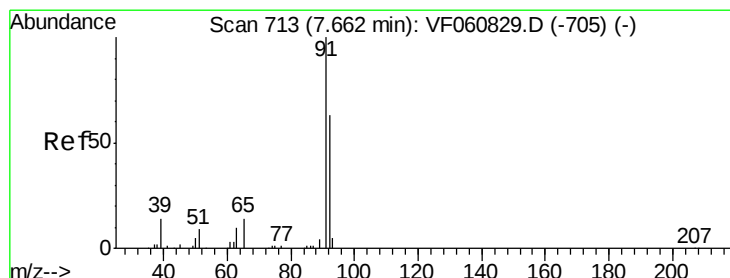
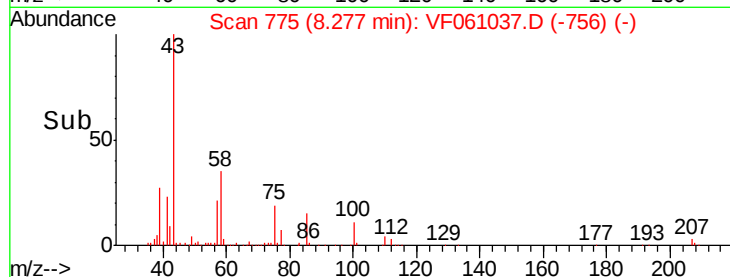
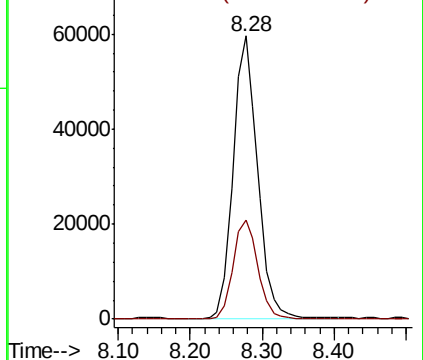
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 22.210 ug/l

RT: 7.65 min Scan# 711

Delta R.T. -0.02 min

Lab File: VF061037.D

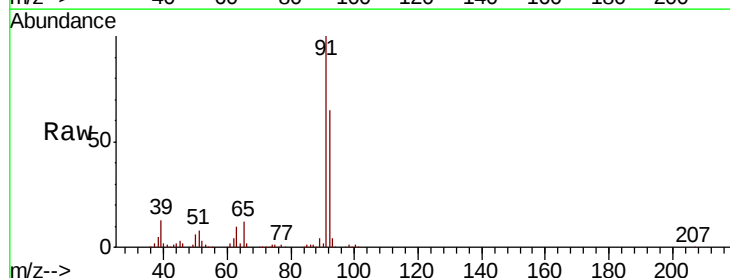
Acq: 17 Dec 2018 13:18

Tgt Ion: 92 Resp: 114917

Ion Ratio Lower Upper

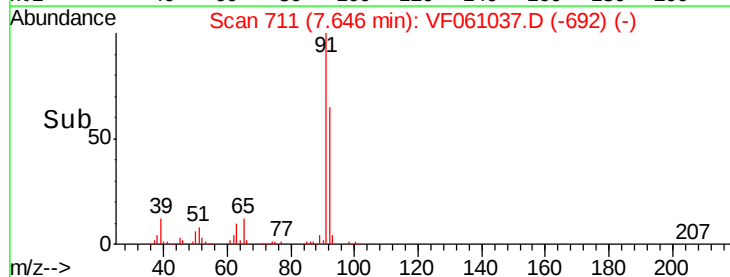
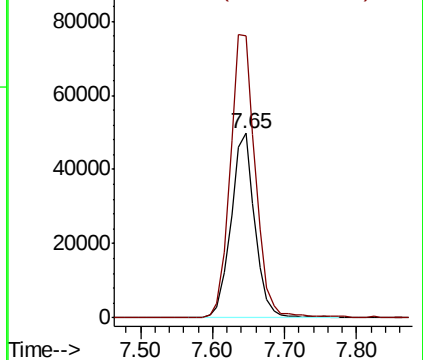
92 100

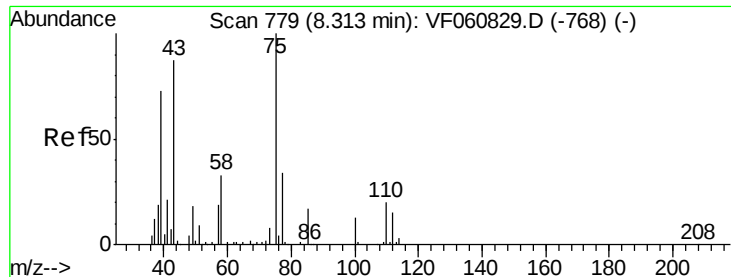
91 153.2 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





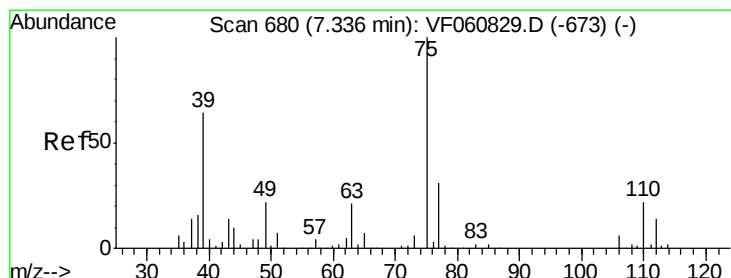
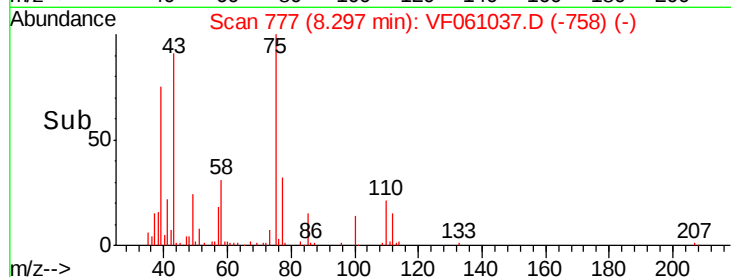
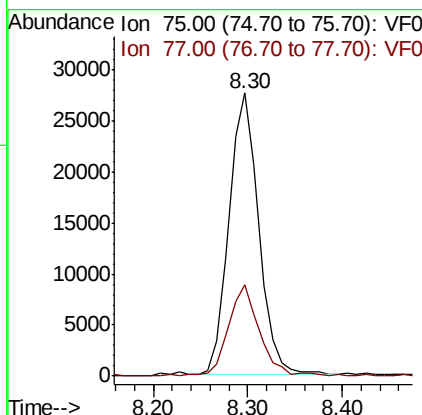
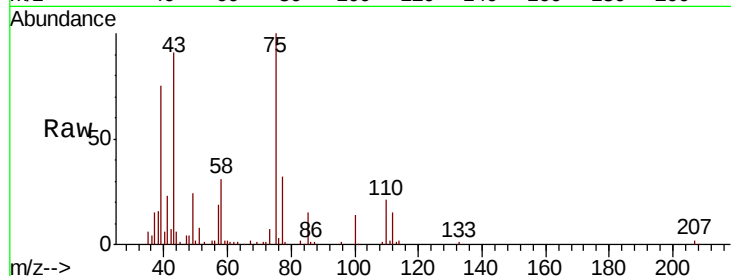
#53
 t-1,3-Dichloropropene
 Concen: 21.346 ug/l
 RT: 8.30 min Scan# 777
 Delta R.T. -0.02 min
 Lab File: VF061037.D
 Acq: 17 Dec 2018 13:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1217SBS01

Tot Ion: 75 Resp: 59850
 Ion Ratio Lower Upper
 75 100
 77 32.2 27.4 41.2

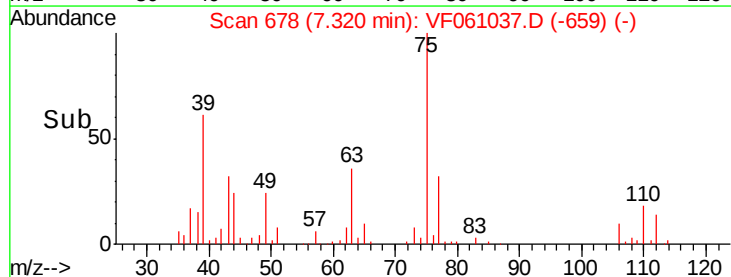
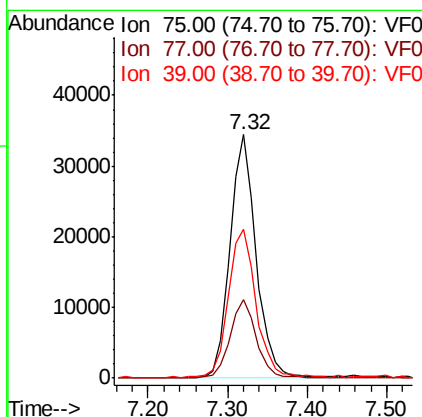
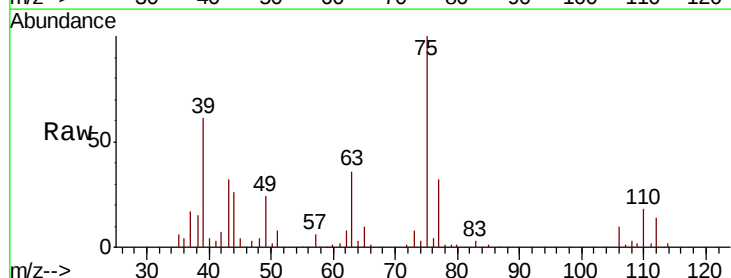
Manual Integrations
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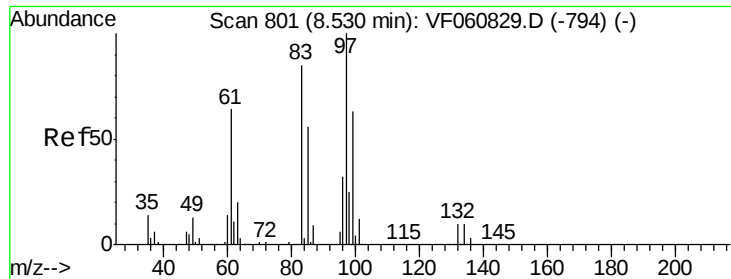
apatel
 12/18/2018 2:32:15 PM



#54
 cis-1,3-Dichloropropene
 Concen: 22.883 ug/l
 RT: 7.32 min Scan# 678
 Delta R.T. -0.02 min
 Lab File: VF061037.D
 Acq: 17 Dec 2018 13:18

Tgt Ion: 75 Resp: 79429
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.0 37.6
 39 61.2 51.1 76.7





#55

1,1,2-Trichloroethane

Concen: 20.576 ug/l

RT: 8.51 min Scan# 799

Delta R.T. -0.02 min

Lab File: VF061037.D

Acq: 17 Dec 2018 13:18

Instrument :

MSVOA_F

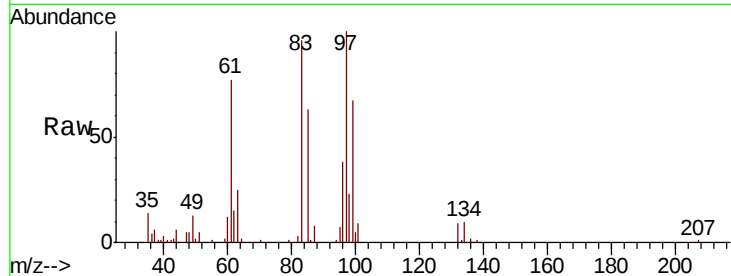
ClientSampleId :

VF1217SBS01

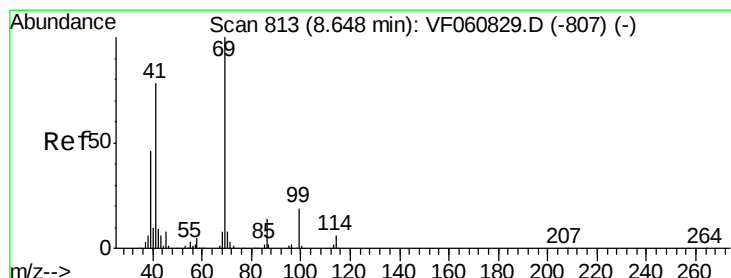
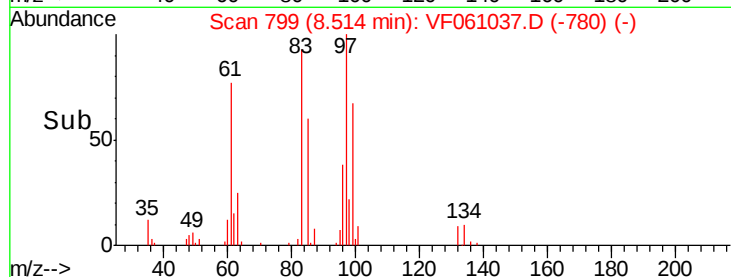
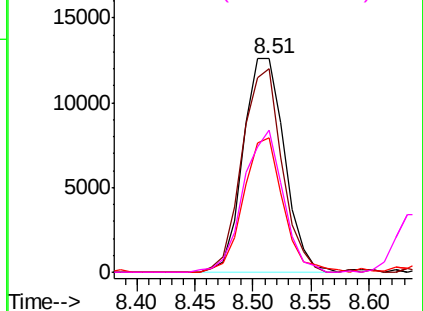
Tot Ion:	97	Resp:	31022
Ion	Ratio	Lower	Upper
97	100		
83	95.5	67.8	101.6
85	62.7	45.0	67.6
99	66.7	50.5	75.7

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



#56

Ethyl methacrylate

Concen: 22.932 ug/l

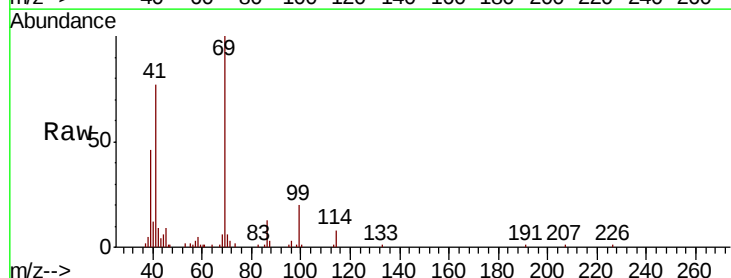
RT: 8.63 min Scan# 811

Delta R.T. -0.02 min

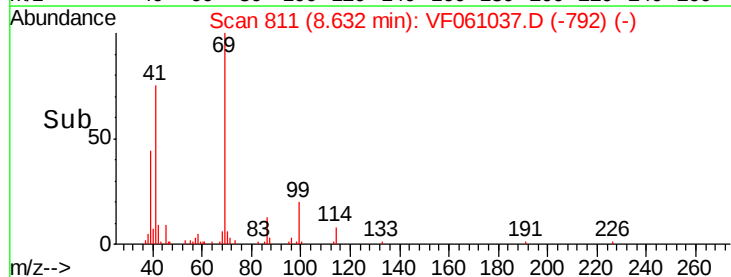
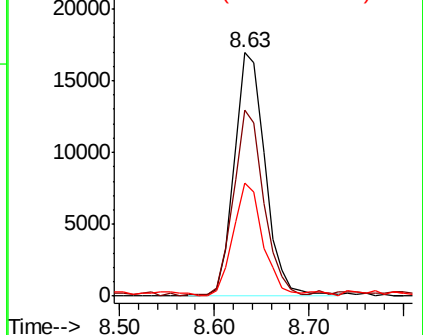
Lab File: VF061037.D

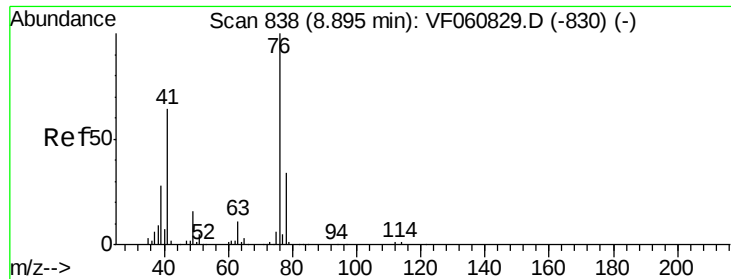
Acq: 17 Dec 2018 13:18

Tgt Ion:	69	Resp:	38408
Ion	Ratio	Lower	Upper
69	100		
41	76.6	62.6	94.0
39	46.3	37.8	56.6



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





#57

1,3-Dichloropropane

Concen: 22.648 ug/l

RT: 8.87 min Scan# 835

Delta R.T. -0.03 min

Lab File: VF061037.D

Acq: 17 Dec 2018 13:18

Instrument :

MSVOA_F

ClientSampleId :

VF1217SBS01

Tot Ion: 76 Resp: 59741

Ion Ratio Lower Upper

76 100

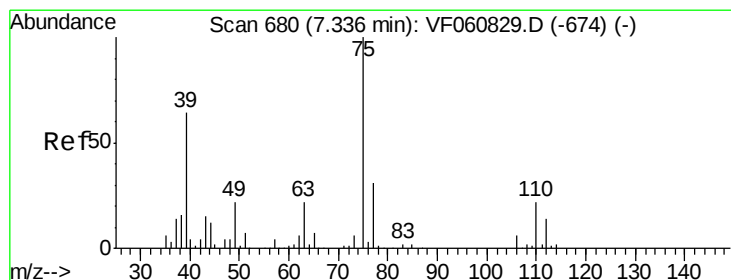
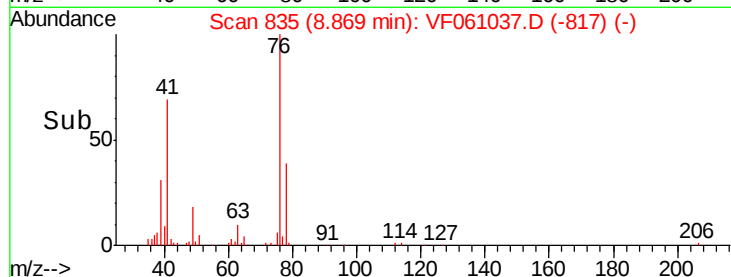
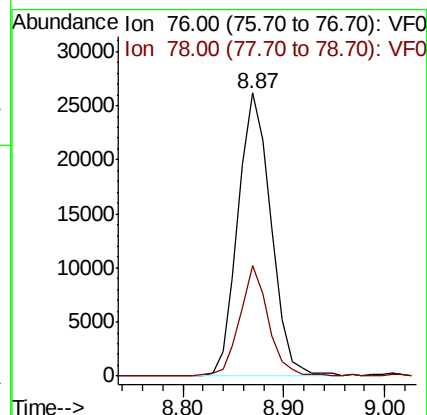
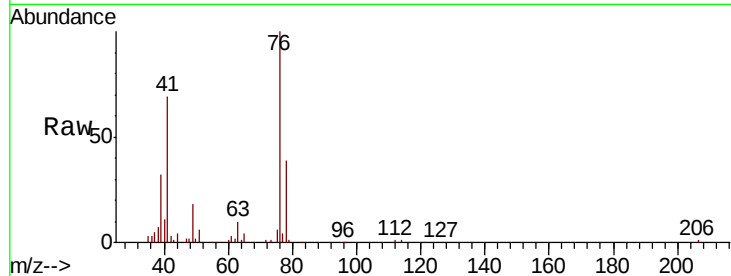
78 38.9 27.0 40.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 192.706 ug/l

RT: 7.31 min Scan# 677

Delta R.T. -0.03 min

Lab File: VF061037.D

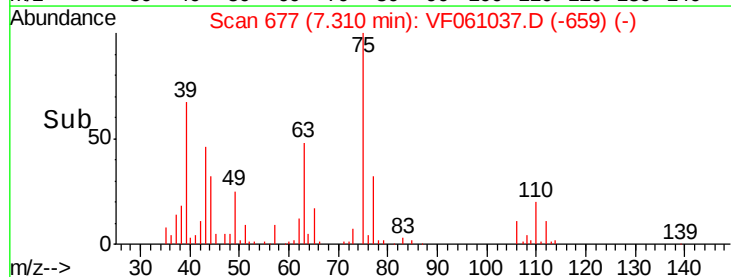
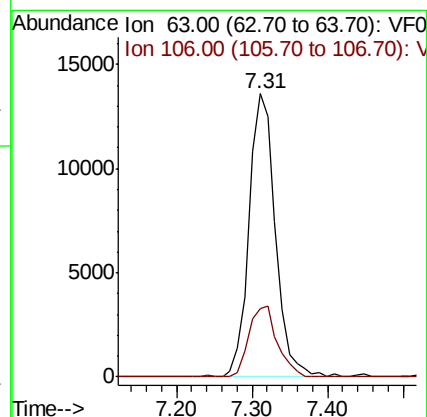
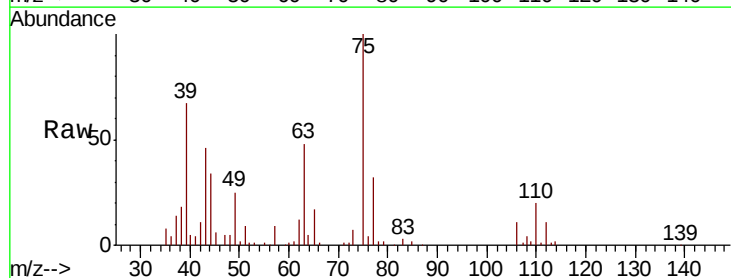
Acq: 17 Dec 2018 13:18

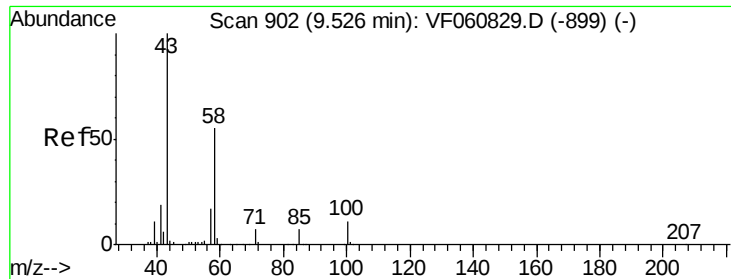
Tgt Ion: 63 Resp: 33013

Ion Ratio Lower Upper

63 100

106 24.0 23.0 34.6





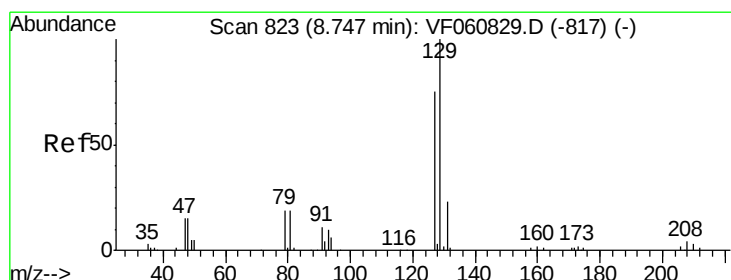
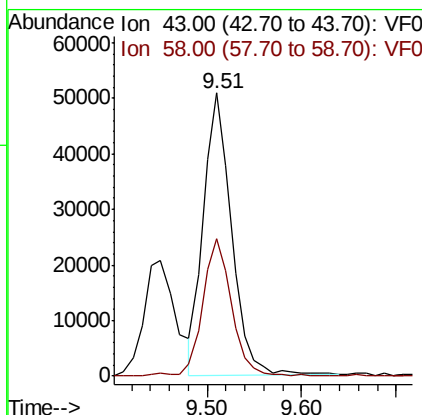
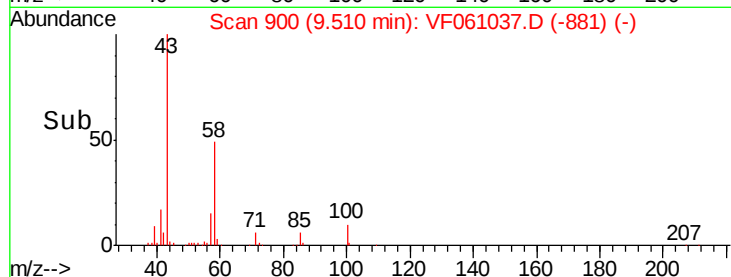
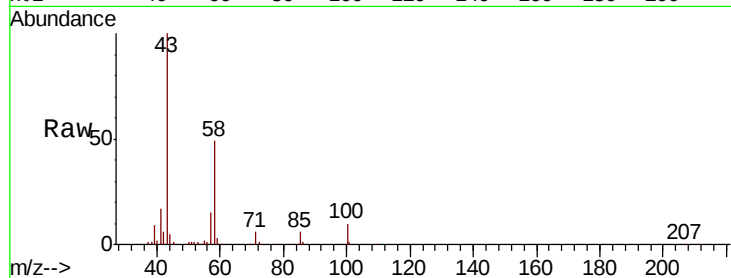
#59
2-Hexanone
Concen: 120.031 ug/l
RT: 9.51 min Scan# 900
Delta R.T. -0.02 min
Lab File: VF061037.D
Acq: 17 Dec 2018 13:18

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion: 43 Resp: 105221
Ion Ratio Lower Upper
43 100
58 48.6 25.6 76.6

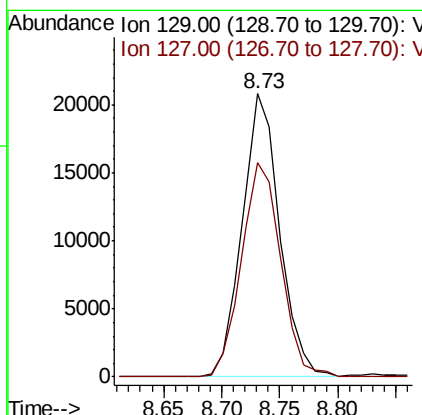
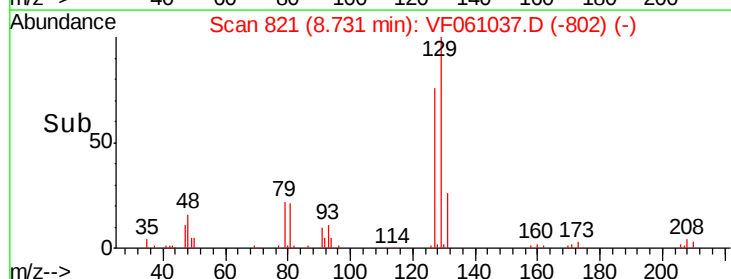
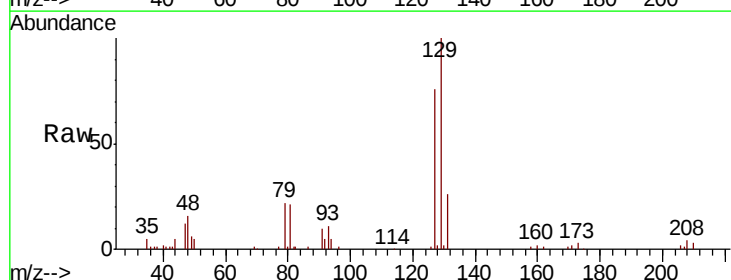
Manual Integrations
APPROVED

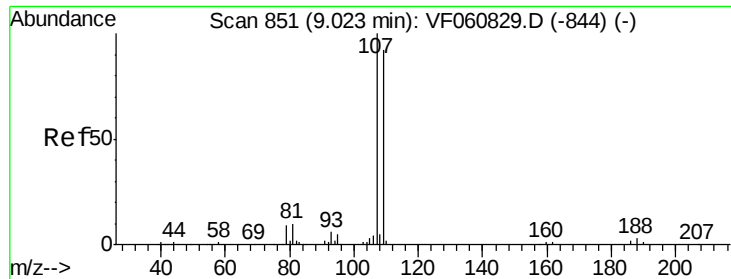
apatel
12/18/2018 2:32:15 PM



#60
Dibromochloromethane
Concen: 20.627 ug/l
RT: 8.73 min Scan# 821
Delta R.T. -0.02 min
Lab File: VF061037.D
Acq: 17 Dec 2018 13:18

Tgt Ion: 129 Resp: 46336
Ion Ratio Lower Upper
129 100
127 75.7 37.3 111.9





#61

1,2-Dibromoethane

Concen: 20.989 ug/l

RT: 9.01 min Scan# 849

Delta R.T. -0.02 min

Lab File: VF061037.D

Acq: 17 Dec 2018 13:18

Instrument :

MSVOA_F

ClientSampleId :

VF1217SBS01

Tot Ion:107 Resp: 34186

Ion Ratio Lower Upper

107 100

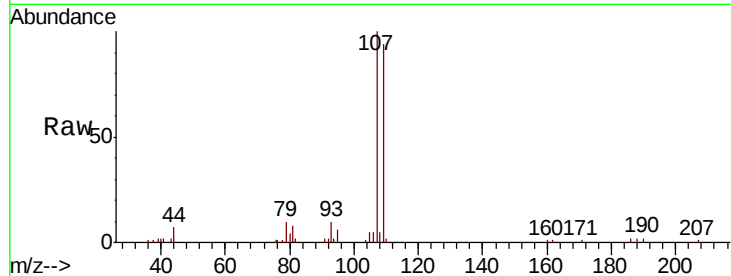
109 94.0 73.6 110.4

Manual Integrations

APPROVED

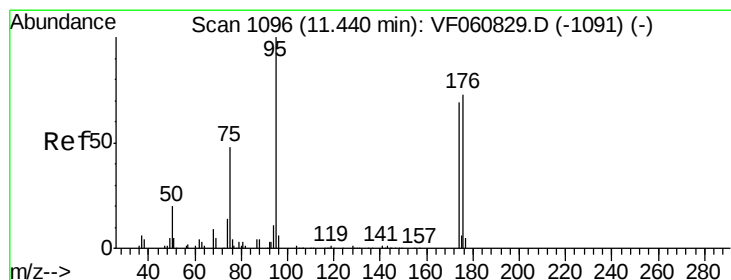
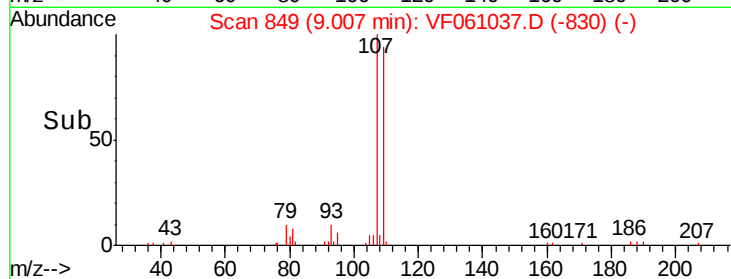
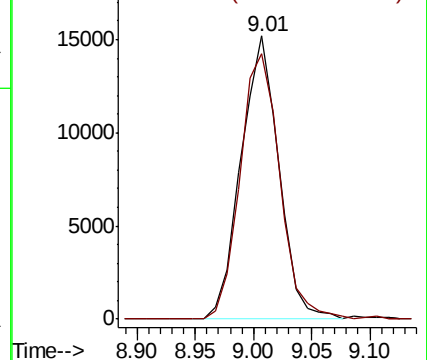
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 49.370 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. -0.02 min

Lab File: VF061037.D

Acq: 17 Dec 2018 13:18

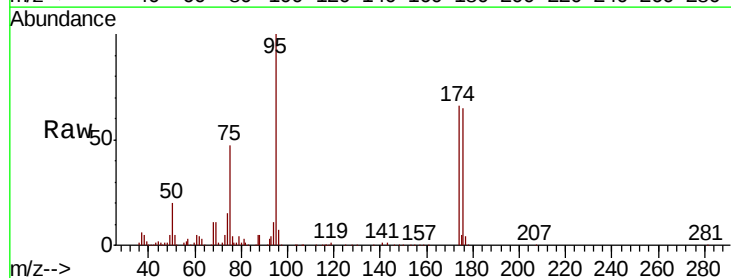
Tgt Ion: 95 Resp: 157630

Ion Ratio Lower Upper

95 100

174 65.9 0.0 138.2

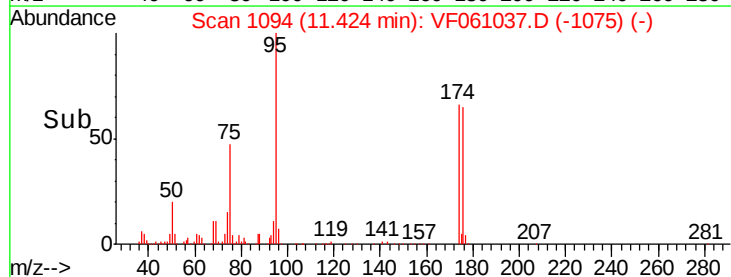
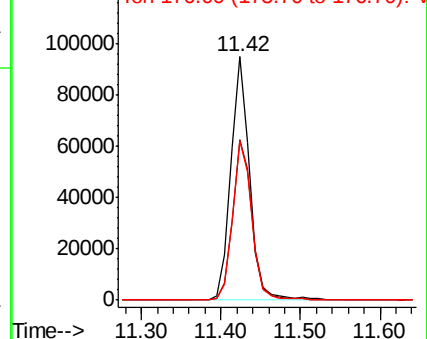
176 65.1 0.0 146.2

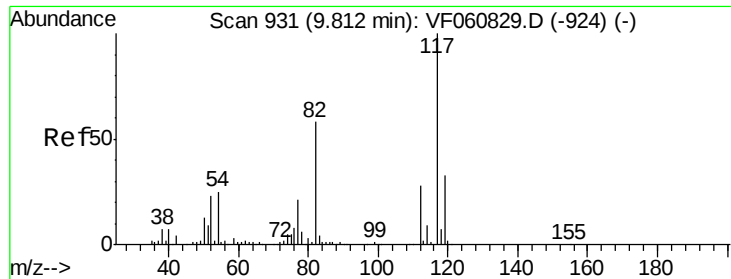


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





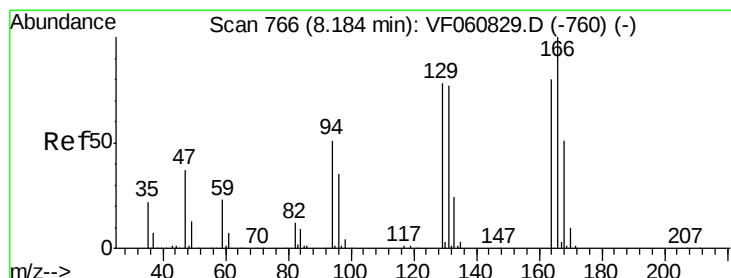
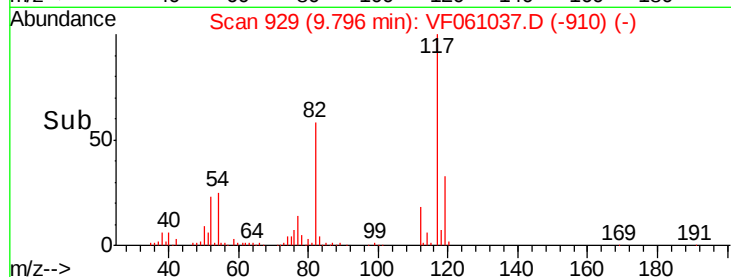
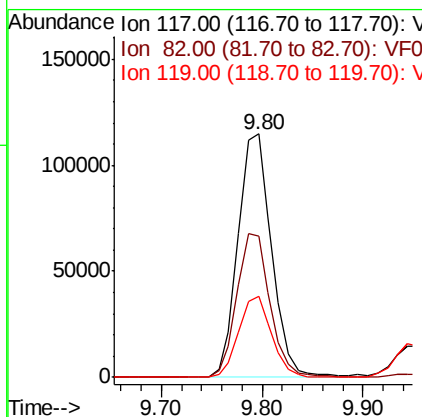
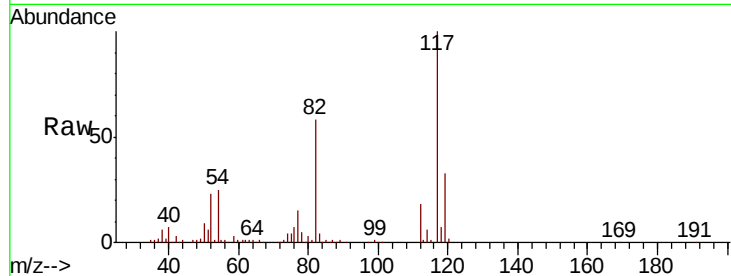
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 929
Delta R.T. -0.02 min
Lab File: VF061037.D
Acq: 17 Dec 2018 13:18

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	266851		
82	57.9		46.6	69.8
119	33.4		26.4	39.6

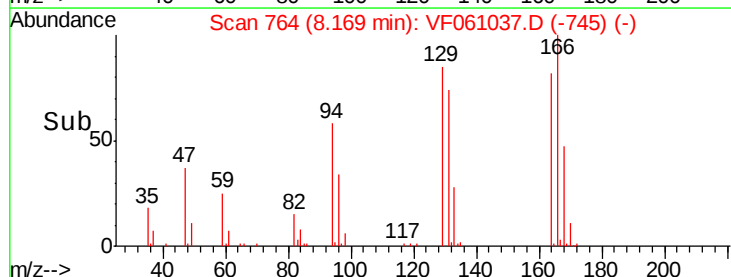
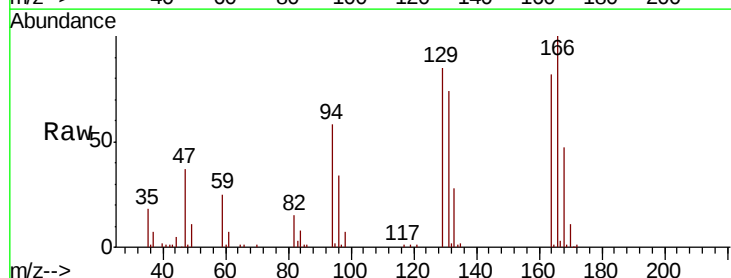
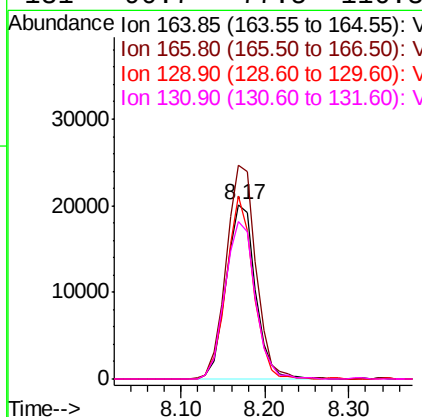
Manual Integrations
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#64
Tetrachloroethene
Concen: 23.850 ug/l
RT: 8.17 min Scan# 764
Delta R.T. -0.02 min
Lab File: VF061037.D
Acq: 17 Dec 2018 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	48611		
166	122.6		100.3	150.5
129	104.7		77.9	116.9
131	90.7		77.5	116.3





#65

Chlorobenzene

Concen: 23.826 ug/l

RT: 9.82 min Scan# 931

Delta R.T. -0.02 min

Lab File: VF061037.D

Acq: 17 Dec 2018 13:18

Instrument :

MSVOA_F

ClientSampleId :

VF1217SBS01

Tot Ion:112 Resp: 123688

Ion Ratio Lower Upper

112 100

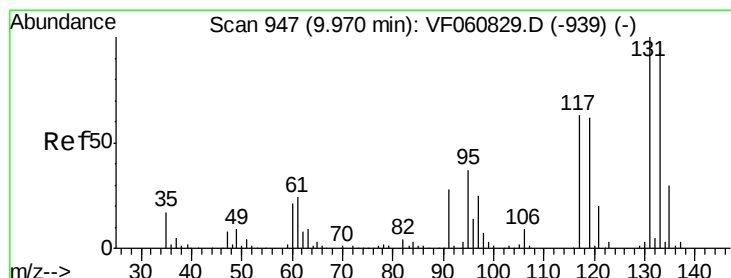
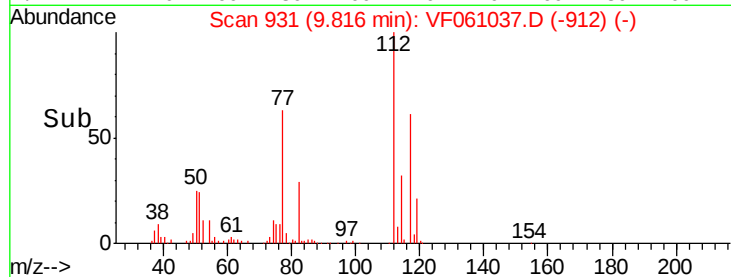
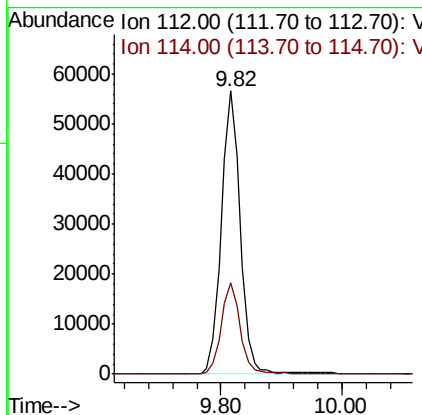
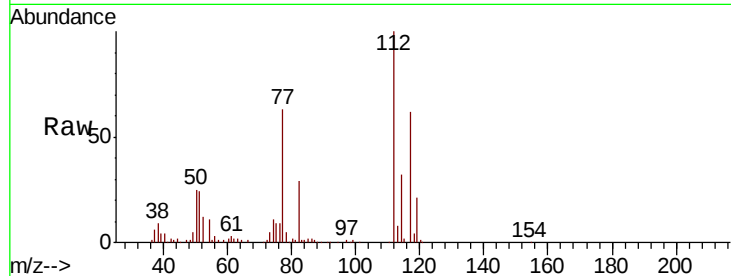
114 32.2 26.0 39.0

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 23.753 ug/l

RT: 9.94 min Scan# 944

Delta R.T. -0.03 min

Lab File: VF061037.D

Acq: 17 Dec 2018 13:18

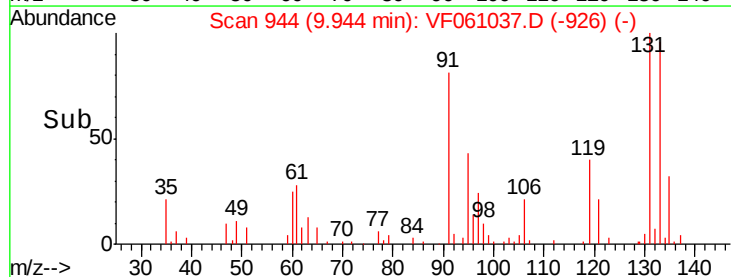
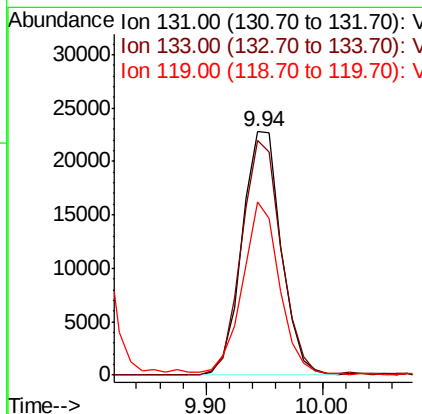
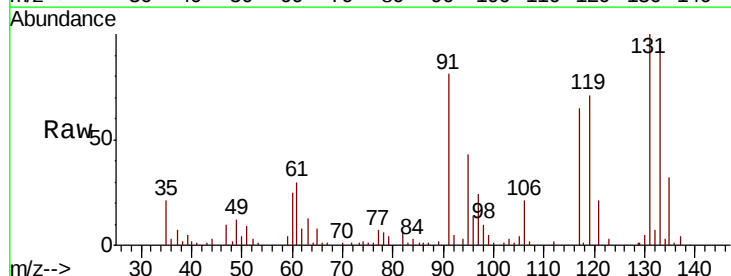
Tgt Ion:131 Resp: 53010

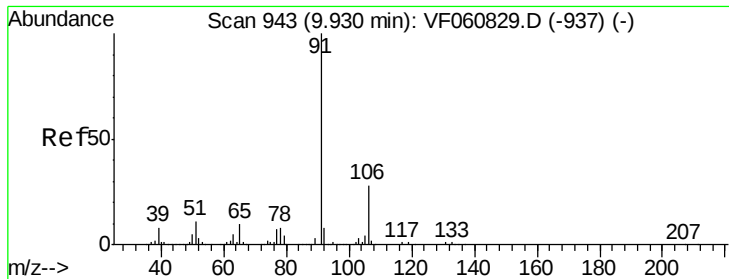
Ion Ratio Lower Upper

131 100

133 96.3 46.5 139.3

119 70.9 31.1 93.3





#67

Ethyl Benzene

Concen: 24.731 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.02 min

Lab File: VF061037.D

Acq: 17 Dec 2018 13:18

Instrument :

MSVOA_F

ClientSampleId :

VF1217SBS01

Tot Ion: 91 Resp: 239012

Ion Ratio Lower Upper

91 100

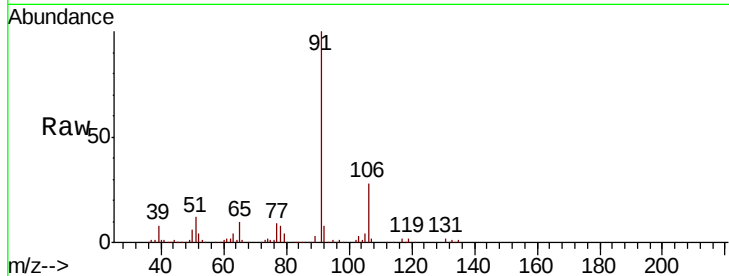
106 28.2 22.2 33.2

Manual Integrations

APPROVED

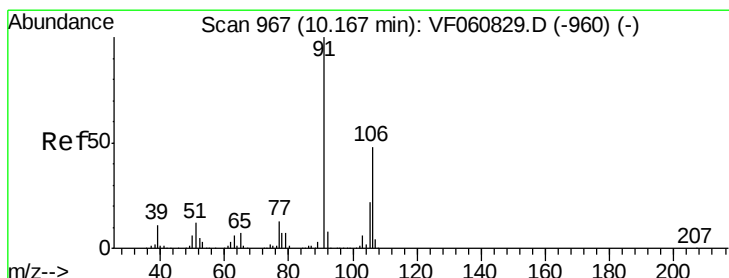
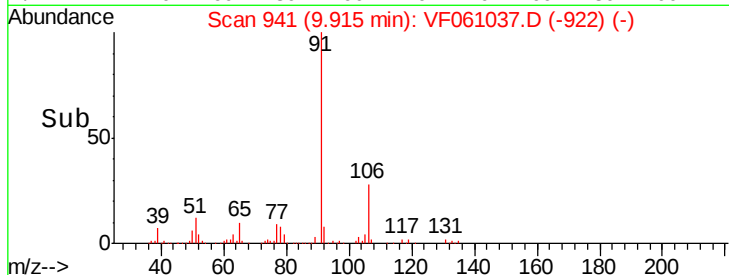
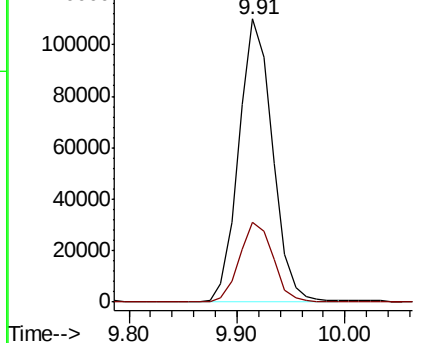
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 47.755 ug/l

RT: 10.15 min Scan# 965

Delta R.T. -0.02 min

Lab File: VF061037.D

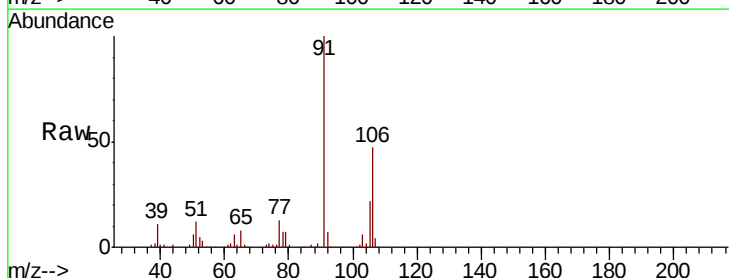
Acq: 17 Dec 2018 13:18

Tgt Ion: 106 Resp: 165994

Ion Ratio Lower Upper

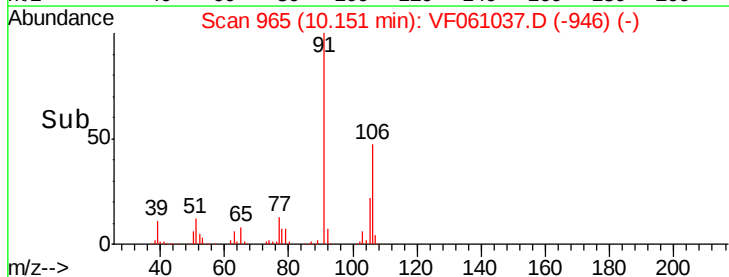
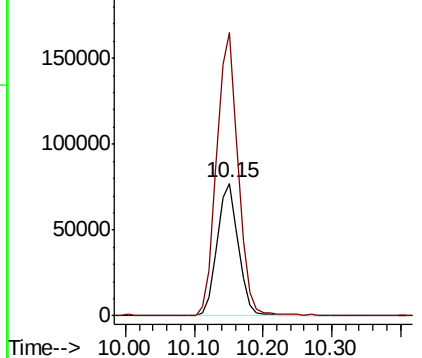
106 100

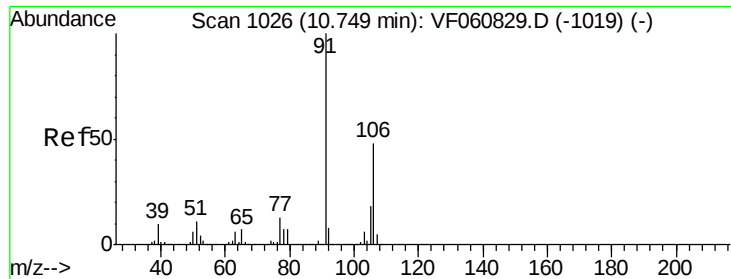
91 213.9 166.7 250.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





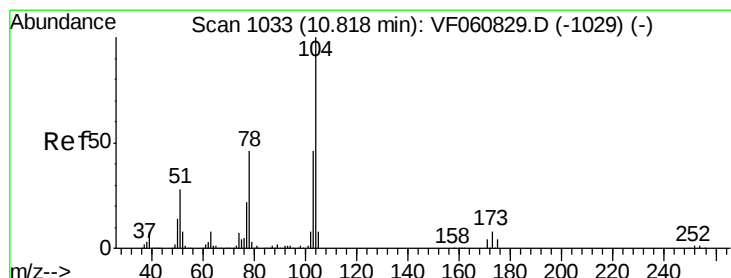
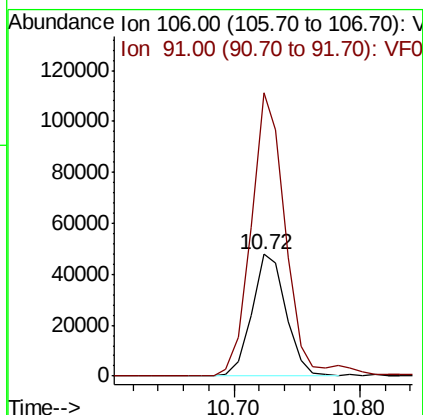
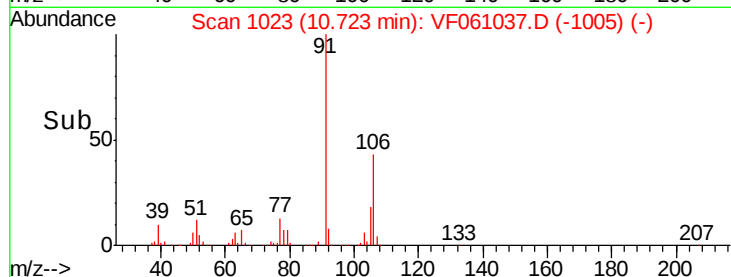
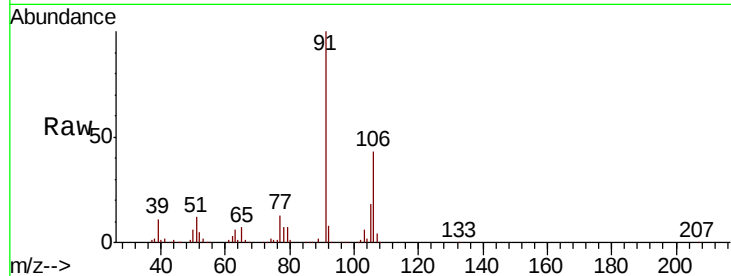
#69
o-Xylene
Concen: 23.440 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.03 min
Lab File: VF061037.D
Acq: 17 Dec 2018 13:18

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion:106 Resp: 89845
Ion Ratio Lower Upper
106 100
91 232.5 104.8 314.6

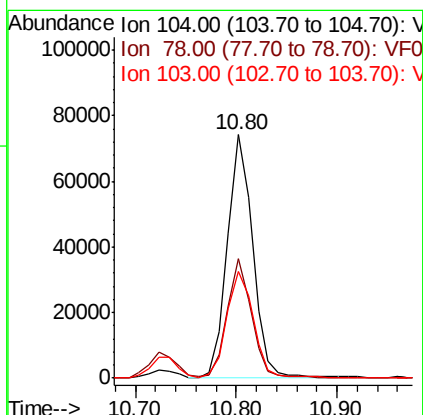
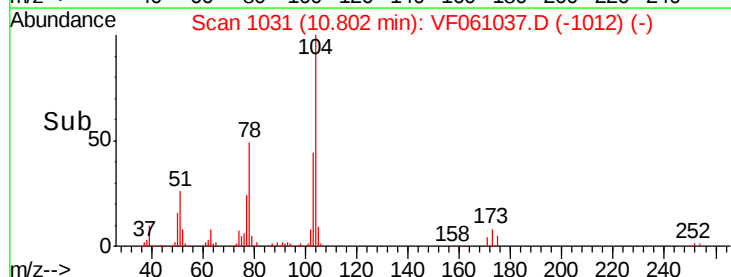
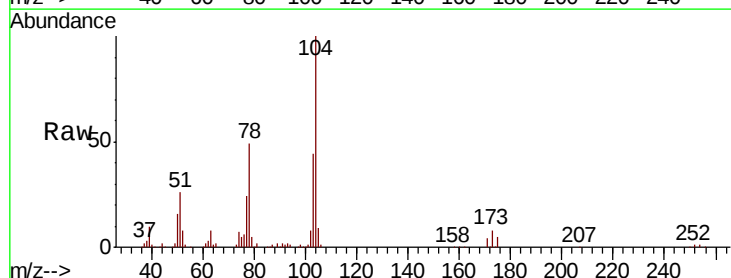
Manual Integrations
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#70
Styrene
Concen: 24.227 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. -0.02 min
Lab File: VF061037.D
Acq: 17 Dec 2018 13:18

Tgt Ion:104 Resp: 128726
Ion Ratio Lower Upper
104 100
78 49.2 37.3 55.9
103 43.7 36.8 55.2





#71

Bromoform

Concen: 22.691 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. -0.03 min

Lab File: VF061037.D

Acq: 17 Dec 2018 13:18

Instrument :

MSVOA_F

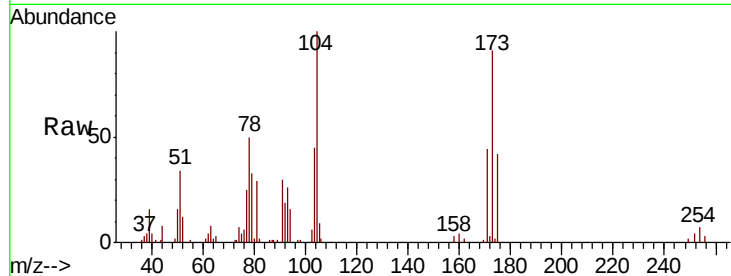
ClientSampleId :

VF1217SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.3	25.5	76.5
254	0.0	7.5	11.3

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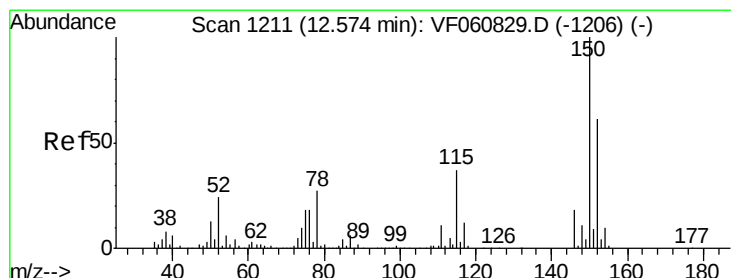
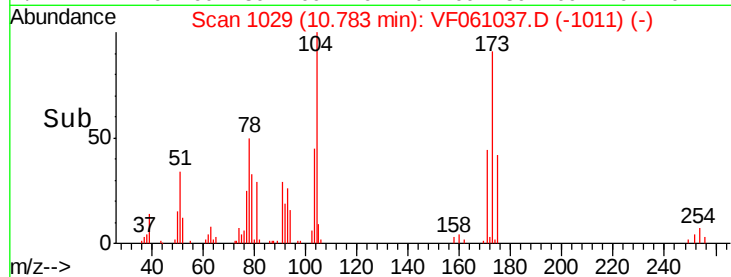
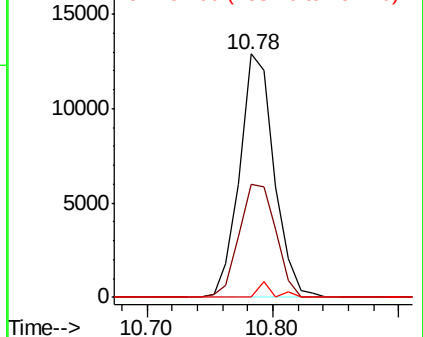


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

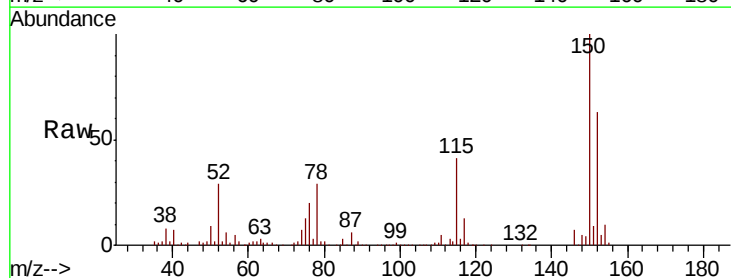
RT: 12.56 min Scan# 1209

Delta R.T. -0.02 min

Lab File: VF061037.D

Acq: 17 Dec 2018 13:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.2	30.1	90.5
150	158.2	0.0	327.6

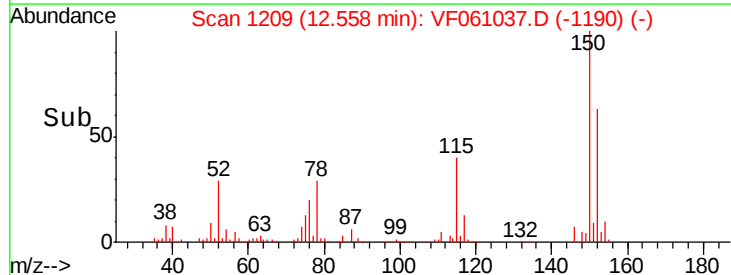
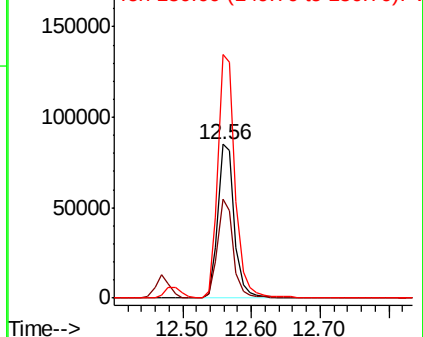


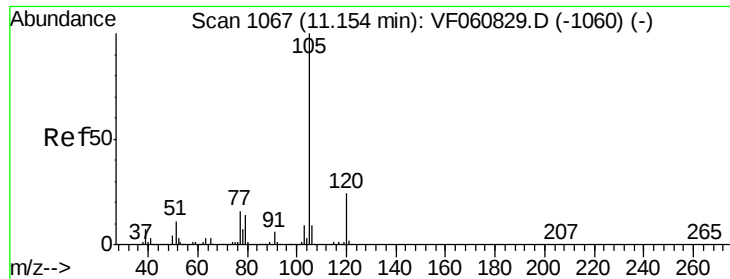
Abundance

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: 25.399 ug/l

RT: 11.14 min Scan# 1065

Delta R.T. -0.02 min

Lab File: VF061037.D

Acq: 17 Dec 2018 13:18

Instrument :

MSVOA_F

ClientSampleId :

VF1217SBS01

Tot Ion:105 Resp: 285633

Ion Ratio Lower Upper

105 100

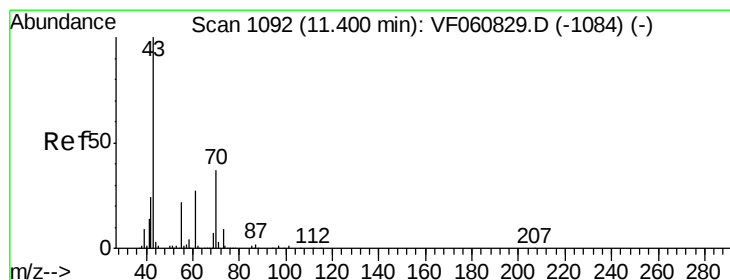
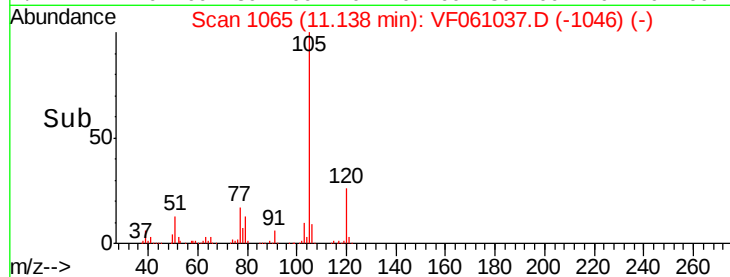
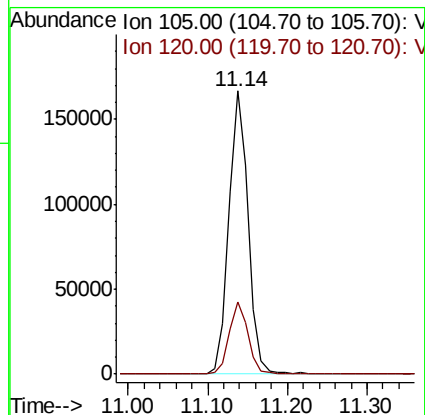
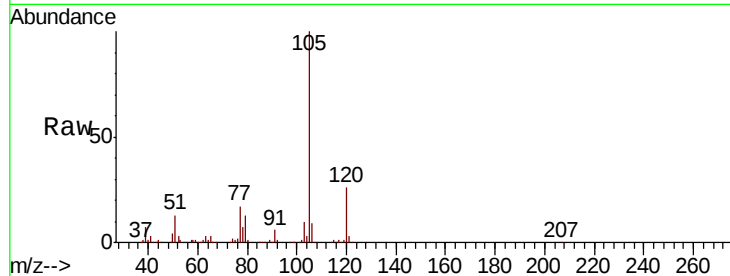
120 25.6 12.2 36.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 24.174 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. -0.02 min

Lab File: VF061037.D

Acq: 17 Dec 2018 13:18

Tgt Ion: 43 Resp: 62775

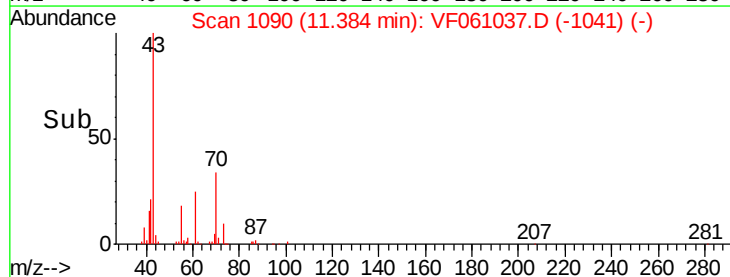
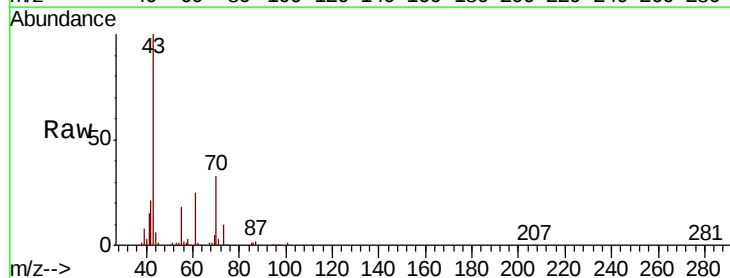
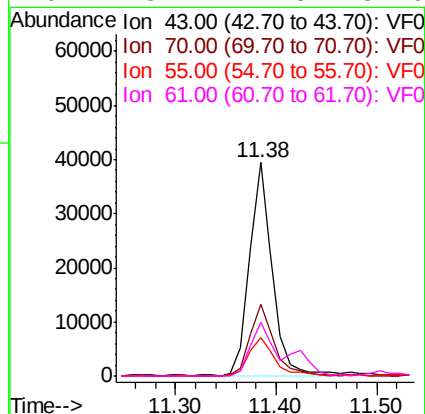
Ion Ratio Lower Upper

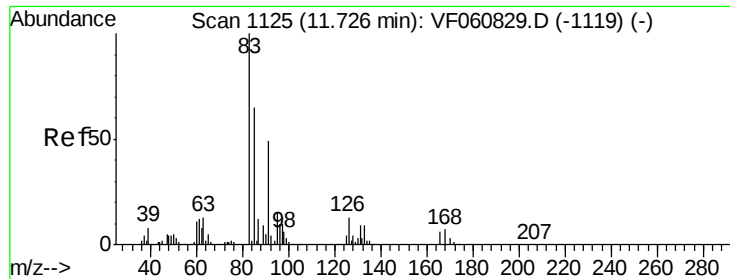
43 100

70 33.4 29.6 44.4

55 17.8 17.2 25.8

61 25.2 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 24.548 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. -0.02 min

Lab File: VF061037.D

Acq: 17 Dec 2018 13:18

Instrument :

MSVOA_F

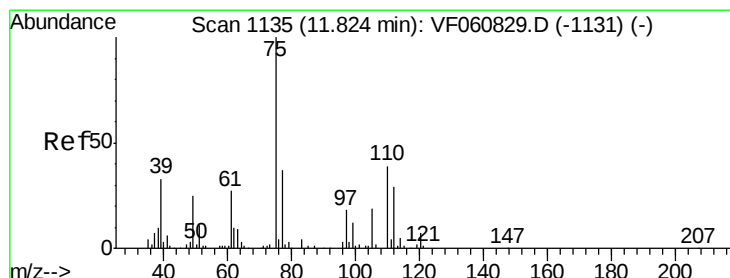
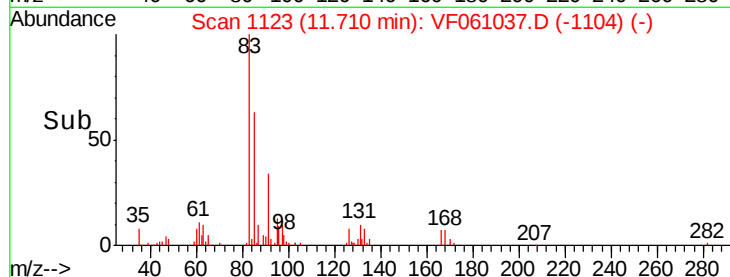
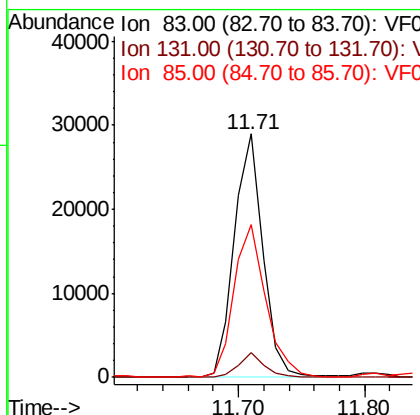
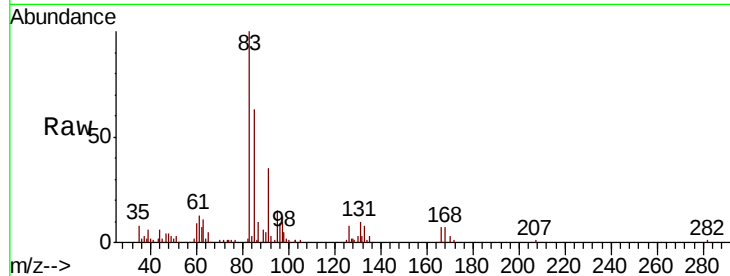
ClientSampleId :

VF1217SBS01

Tot Ion:	83	Resp:	45434
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.7	14.1
85	63.0	32.6	97.8

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#76

1,2,3-Trichloropropane

Concen: 24.174 ug/l

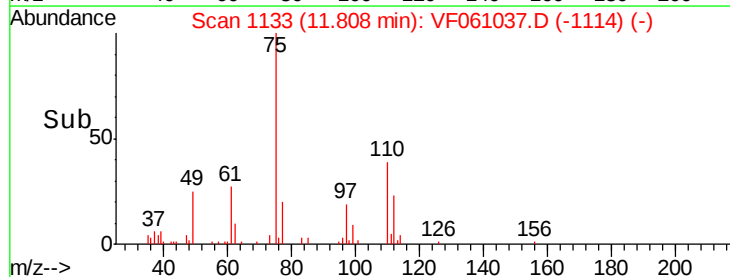
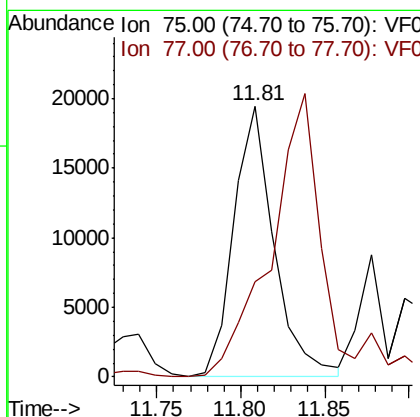
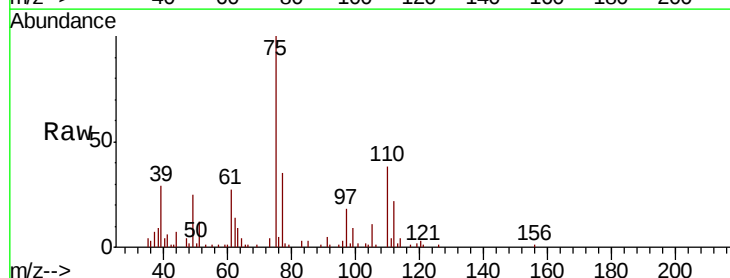
RT: 11.81 min Scan# 1133

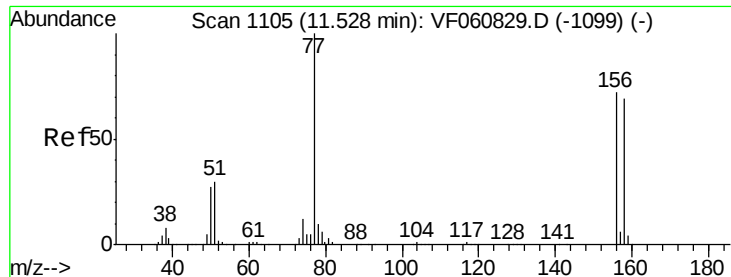
Delta R.T. -0.02 min

Lab File: VF061037.D

Acq: 17 Dec 2018 13:18

Tgt Ion:	75	Resp:	32521
Ion Ratio	Lower	Upper	
75	100		
77	35.3	18.4	55.4





#77

Bromobenzene

Concen: 23.195 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. -0.02 min

Lab File: VF061037.D

Acq: 17 Dec 2018 13:18

Instrument :

MSVOA_F

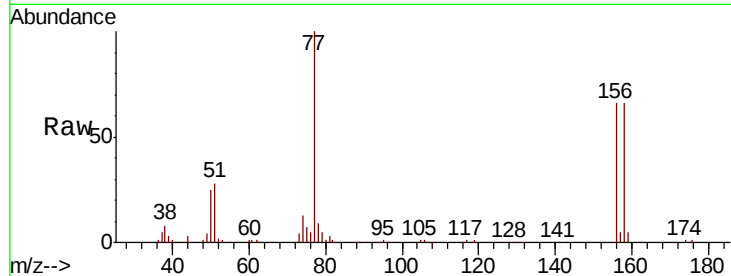
ClientSampleId :

VF1217SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	151.2	69.7	209.0	
158	100.0	47.8	143.4	

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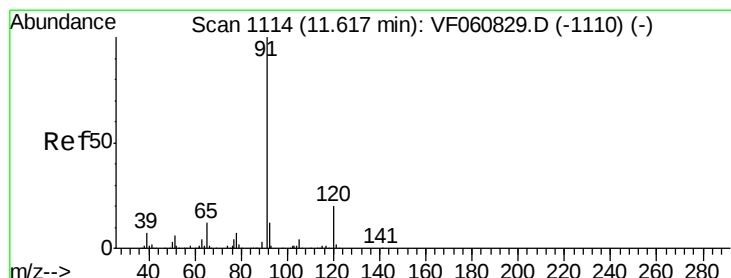
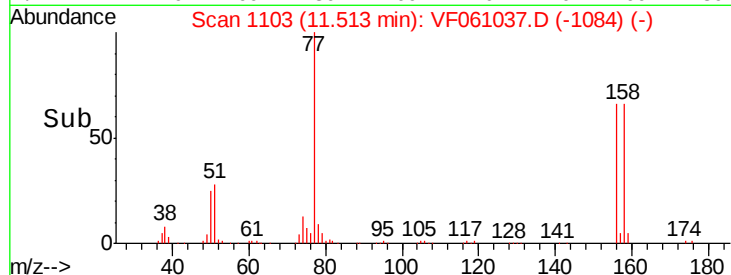
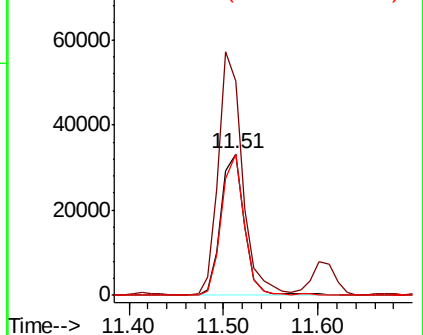


Abundance

Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 24.354 ug/l

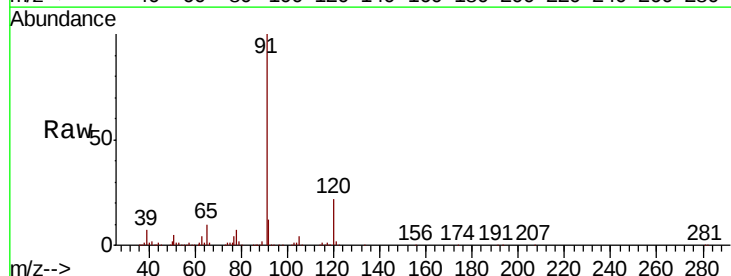
RT: 11.61 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF061037.D

Acq: 17 Dec 2018 13:18

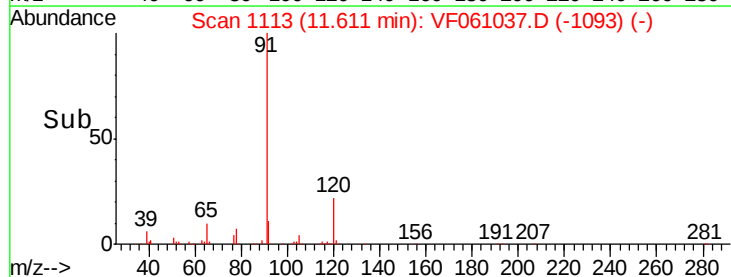
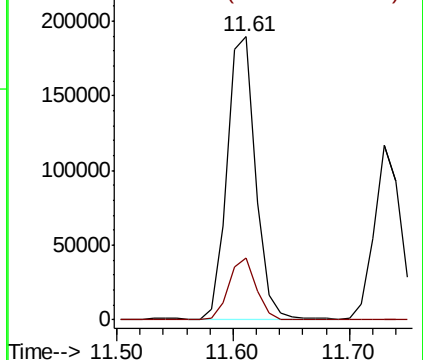
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.8	10.3	30.8	



Abundance

Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 24.219 ug/l

RT: 11.73 min Scan# 1125

Delta R.T. -0.02 min

Lab File: VF061037.D

Acq: 17 Dec 2018 13:18

Instrument :

MSVOA_F

ClientSampleId :

VF1217SBS01

Tot Ion: 91 Resp: 182885

Ion Ratio Lower Upper

91 100

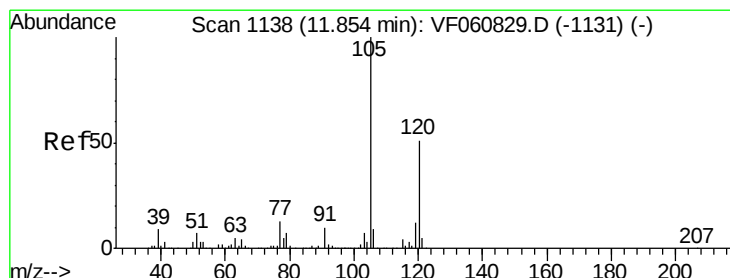
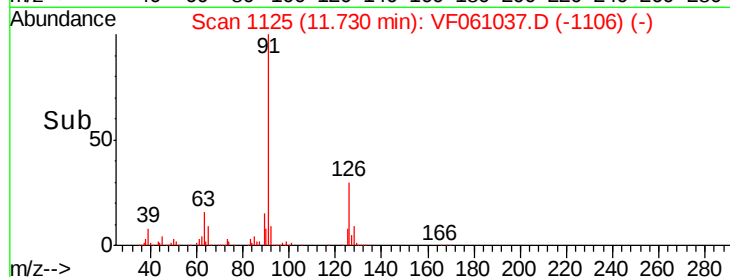
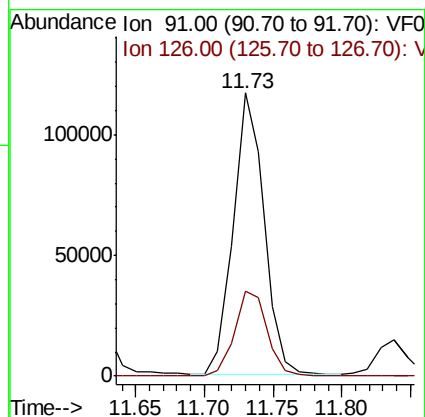
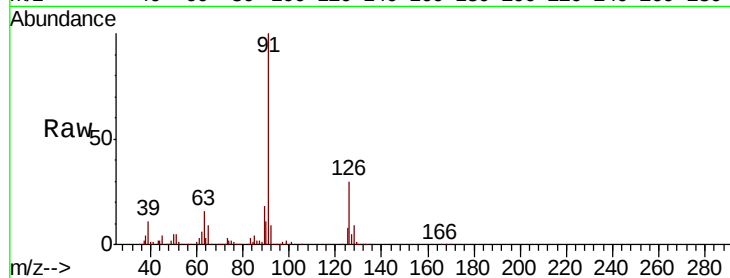
126 30.2 15.9 47.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 23.731 ug/l

RT: 11.84 min Scan# 1136

Delta R.T. -0.02 min

Lab File: VF061037.D

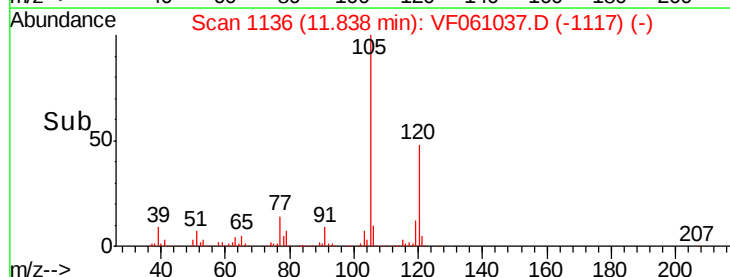
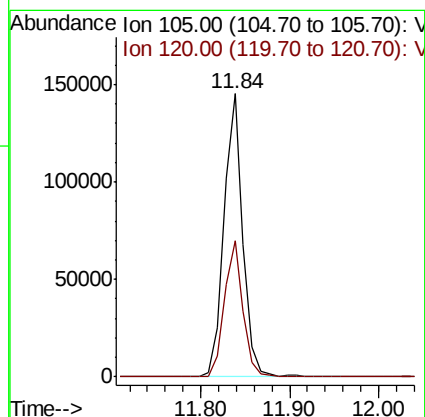
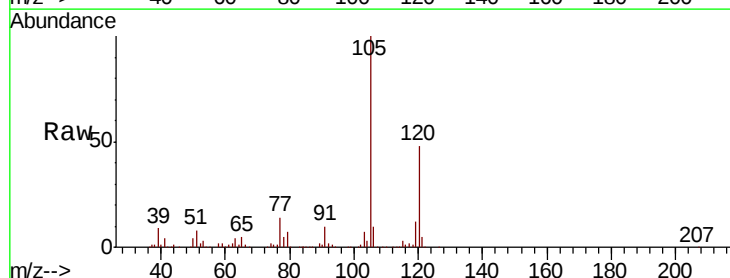
Acq: 17 Dec 2018 13:18

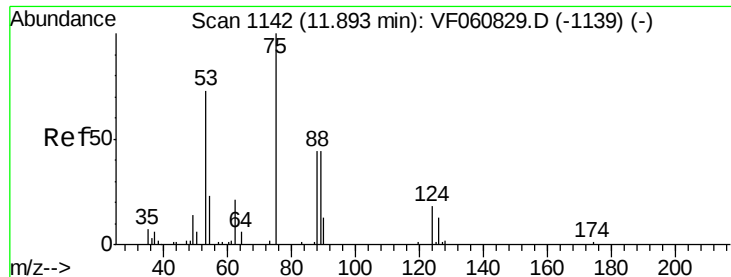
Tgt Ion: 105 Resp: 216653

Ion Ratio Lower Upper

105 100

120 48.3 25.8 77.3





#81

trans-1,4-Dichloro-2-butene

Concen: 10.306 ug/l

RT: 11.88 min Scan# 1140

Delta R.T. -0.02 min

Lab File: VF061037.D

Acq: 17 Dec 2018 13:18

Instrument :

MSVOA_F

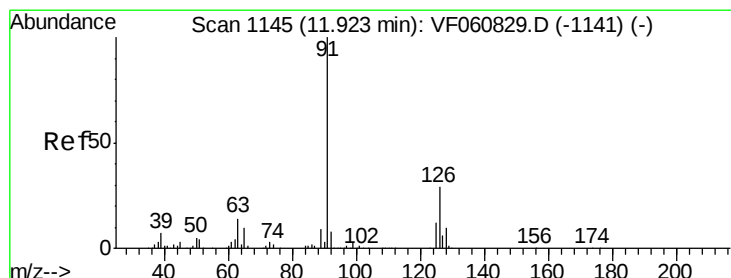
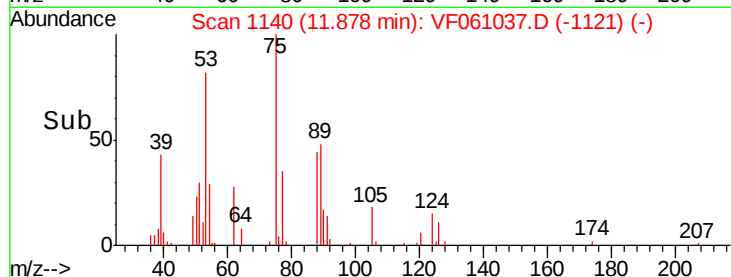
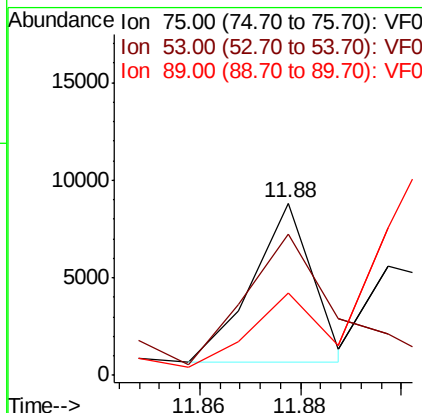
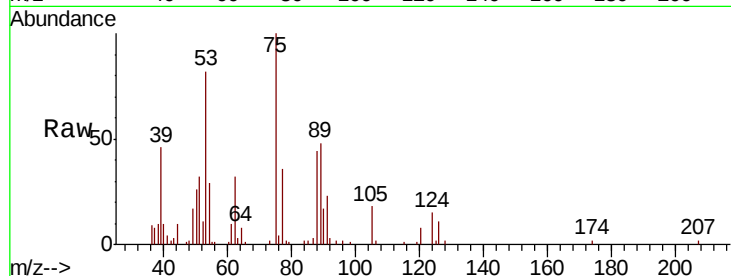
ClientSampleId :

VF1217SBS01

Tot Ion:	75	Resp:	6793
Ion	Ratio	Lower	Upper
75	100		
53	82.0	65.9	98.9
89	48.2	38.8	58.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 25.600 ug/l

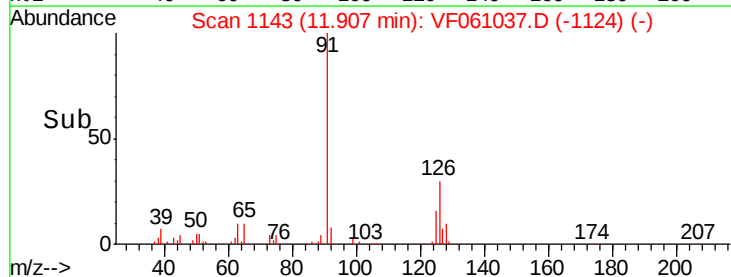
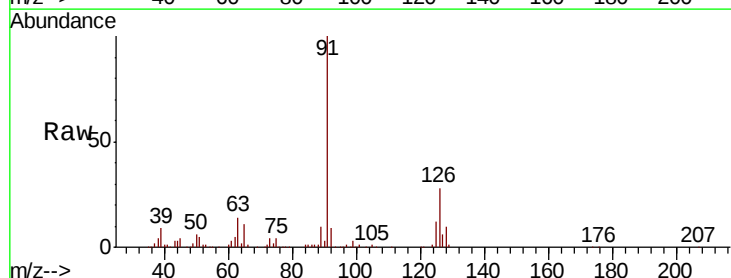
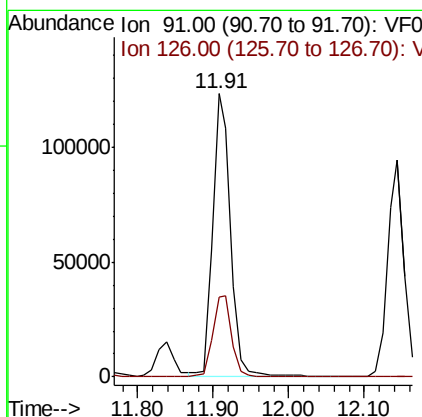
RT: 11.91 min Scan# 1143

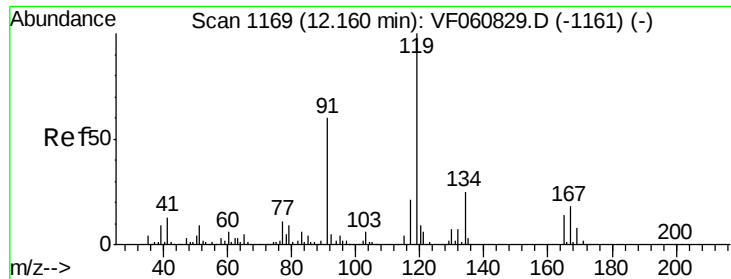
Delta R.T. -0.02 min

Lab File: VF061037.D

Acq: 17 Dec 2018 13:18

Tgt Ion:	91	Resp:	203438
Ion	Ratio	Lower	Upper
91	100		
126	28.1	14.8	44.4





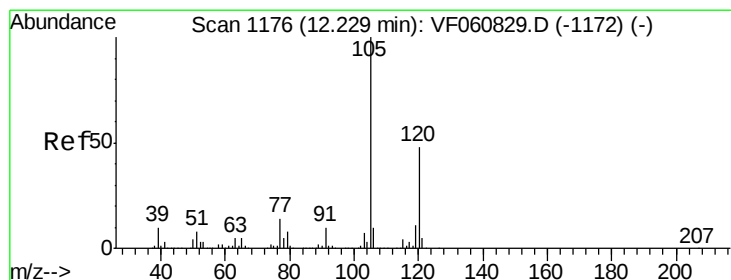
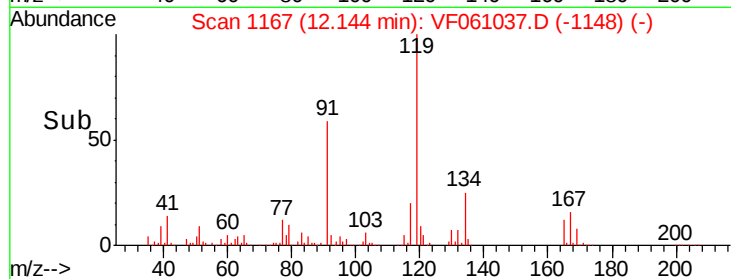
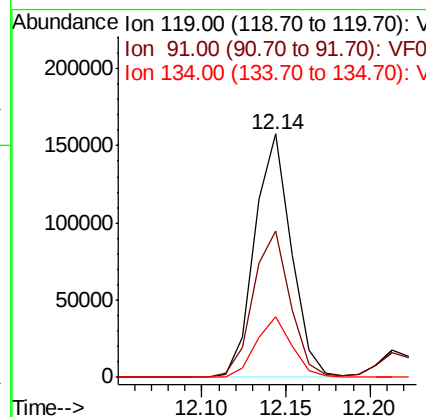
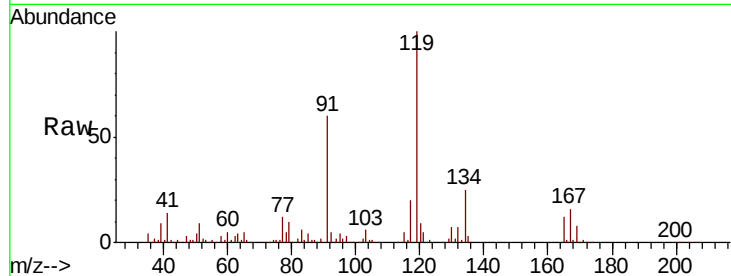
#83
tert-Butylbenzene
Concen: 25.627 ug/l
RT: 12.14 min Scan# 1167
Delta R.T. -0.02 min
Lab File: VF061037.D
Acq: 17 Dec 2018 13:18

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	238323		
91	59.9		30.1	90.3
134	24.8		12.6	37.8

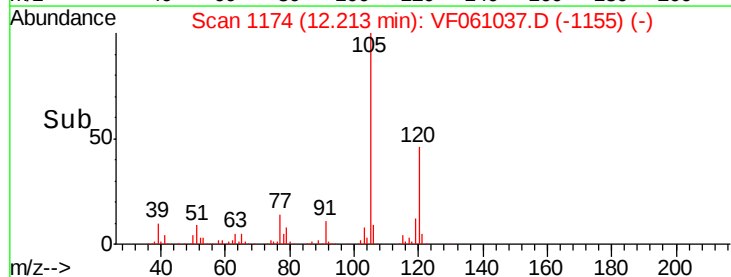
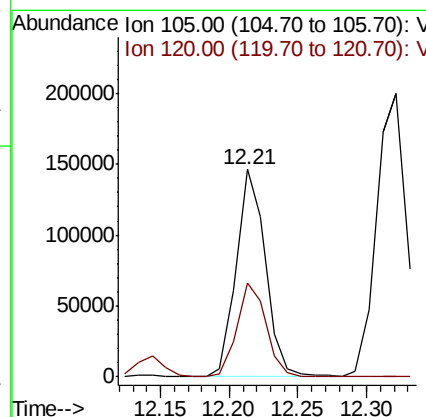
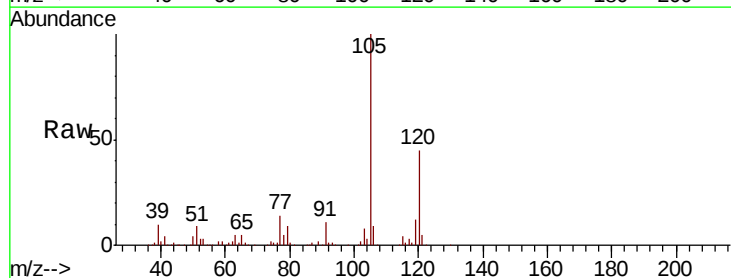
Manual Integrations
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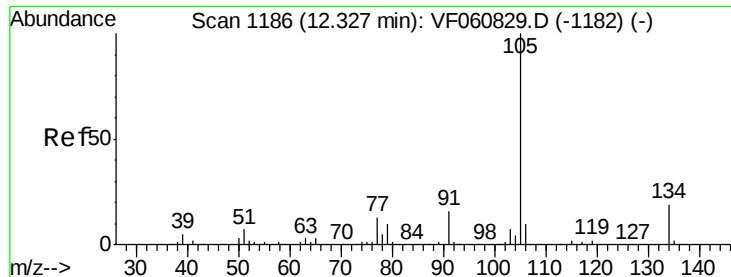
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#84
1,2,4-Trimethylbenzene
Concen: 23.918 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. -0.02 min
Lab File: VF061037.D
Acq: 17 Dec 2018 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	217931		
120	45.4		23.8	71.5





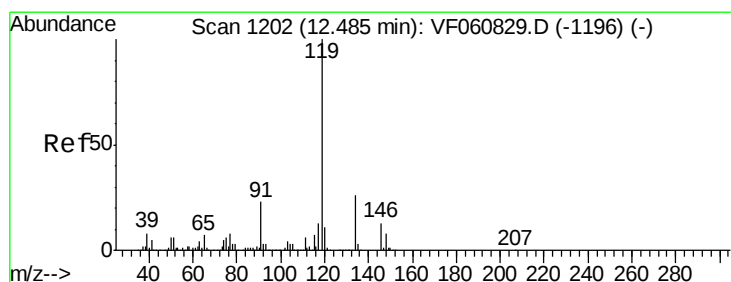
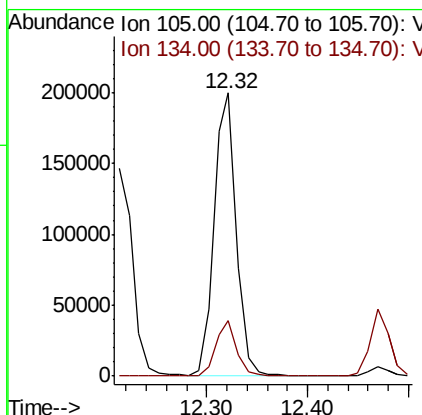
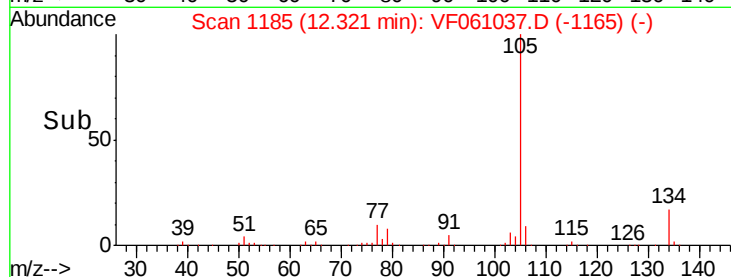
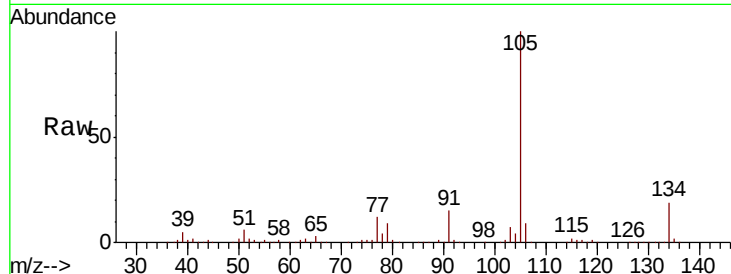
#85
 sec-Butylbenzene
 Concen: 24.076 ug/l
 RT: 12.32 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: VF061037.D
 Acq: 17 Dec 2018 13:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1217SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.5	28.5

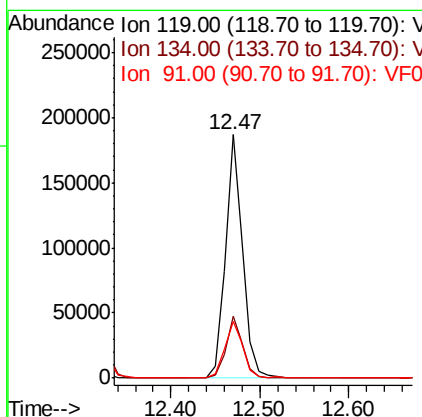
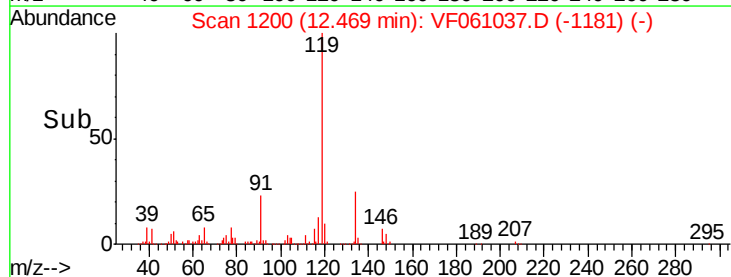
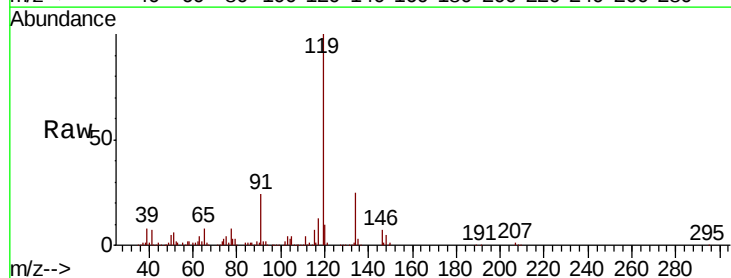
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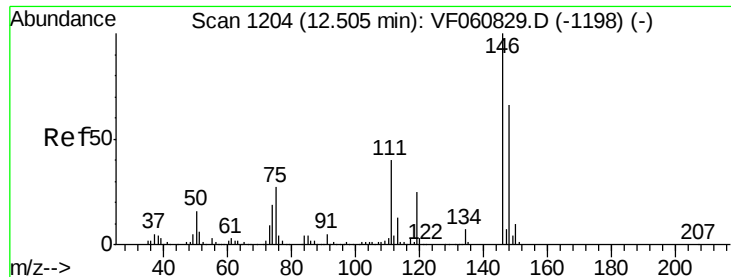
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#86
 p-Isopropyltoluene
 Concen: 24.062 ug/l
 RT: 12.47 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VF061037.D
 Acq: 17 Dec 2018 13:18

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.9	38.6
91	23.5	11.8	35.3





#87

1,3-Dichlorobenzene

Concen: 22.395 ug/l

RT: 12.49 min Scan# 1202

Delta R.T. -0.02 min

Lab File: VF061037.D

Acq: 17 Dec 2018 13:18

Instrument :

MSVOA_F

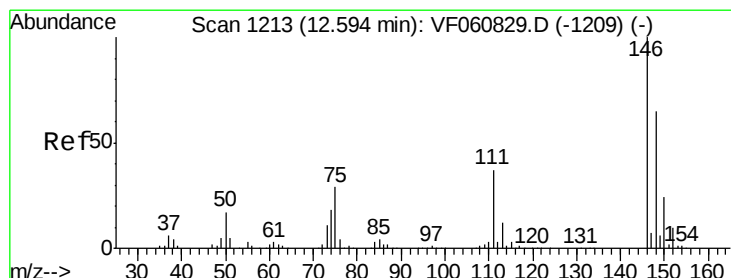
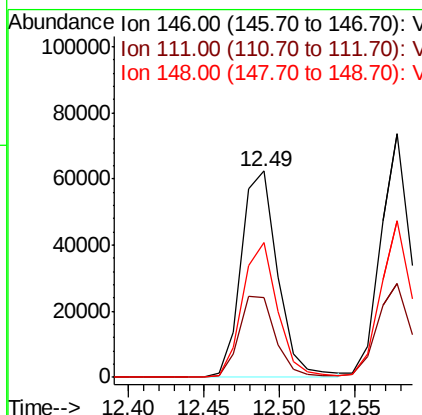
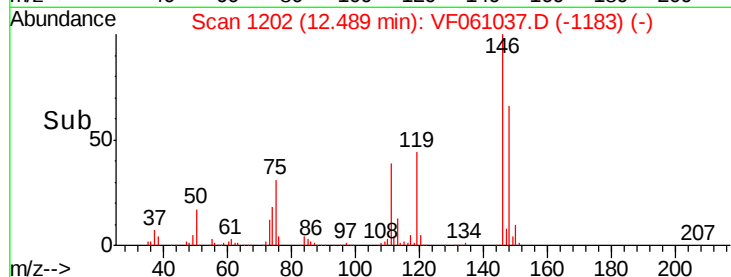
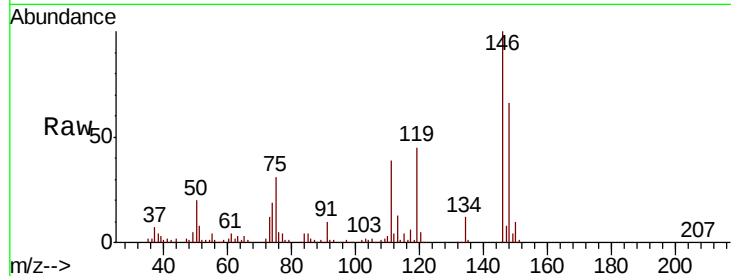
ClientSampleId :

VF1217SBS01

Tot Ion:	146	Resp:	105026
Ion Ratio	Lower	Upper	
146	100		
111	38.8	20.0	59.9
148	65.6	32.9	98.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 23.167 ug/l

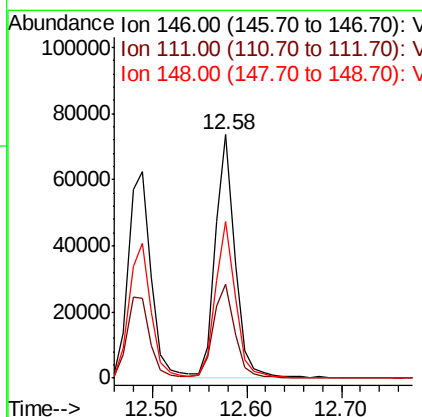
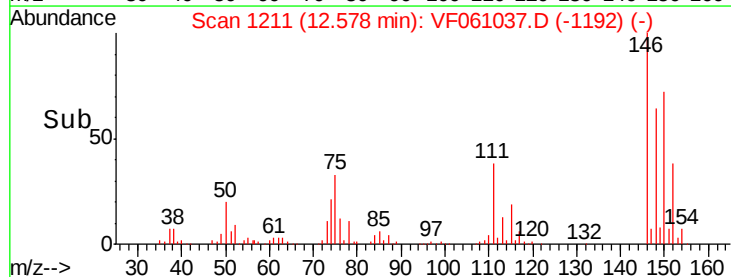
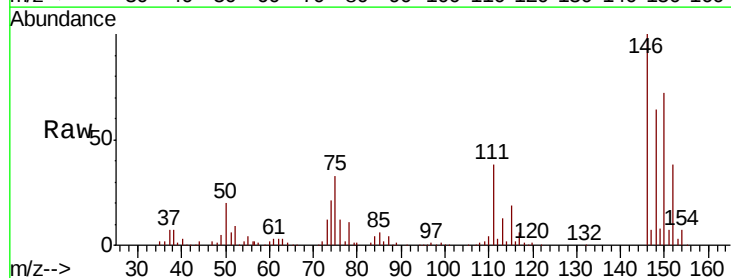
RT: 12.58 min Scan# 1211

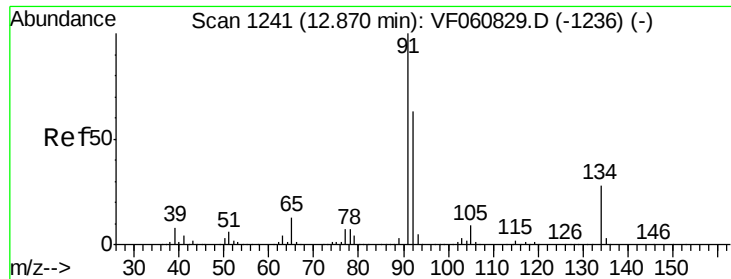
Delta R.T. -0.02 min

Lab File: VF061037.D

Acq: 17 Dec 2018 13:18

Tgt Ion:	146	Resp:	105880
Ion Ratio	Lower	Upper	
146	100		
111	38.3	18.9	56.7
148	64.2	32.3	96.9





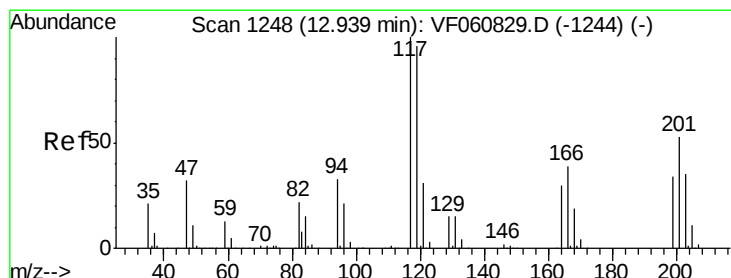
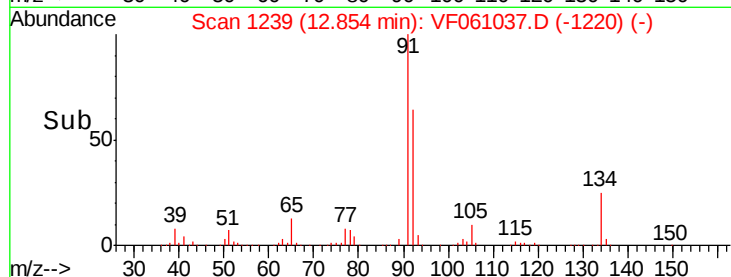
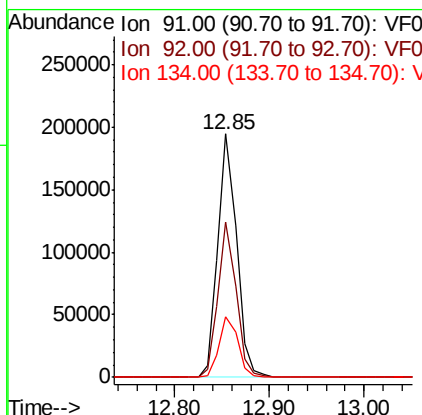
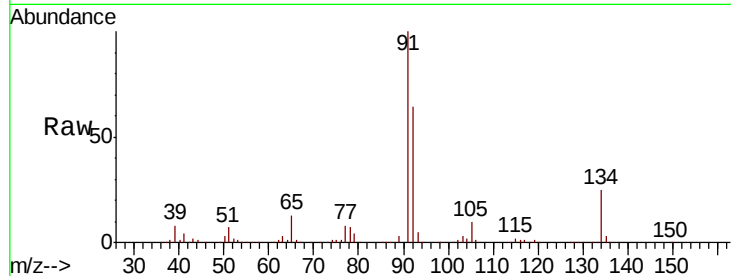
#89
n-Butylbenzene
Concen: 25.038 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. -0.02 min
Lab File: VF061037.D
Acq: 17 Dec 2018 13:18

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	63.7	31.6	94.7
134	25.1	13.8	41.4

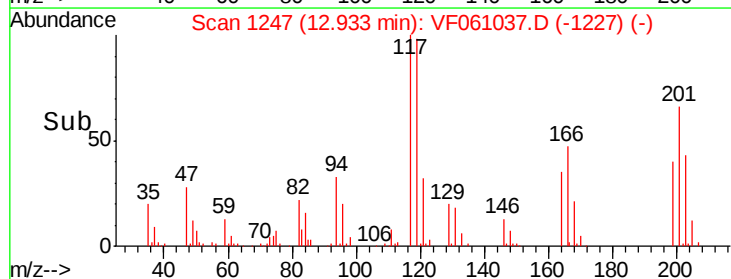
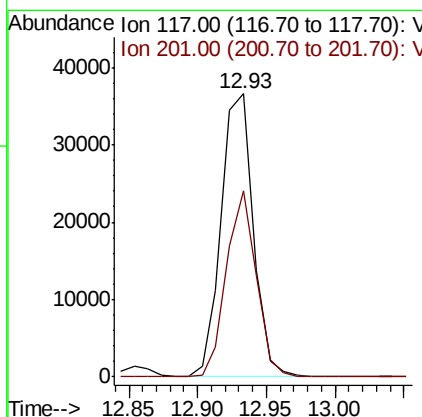
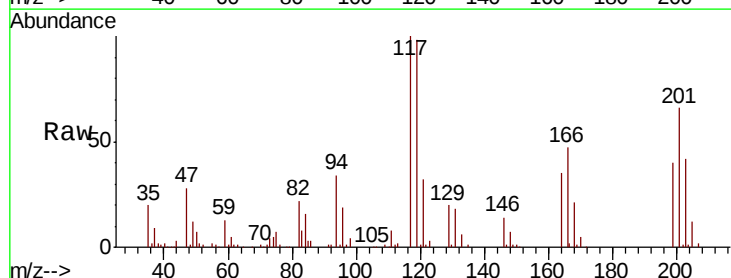
Manual Integrations
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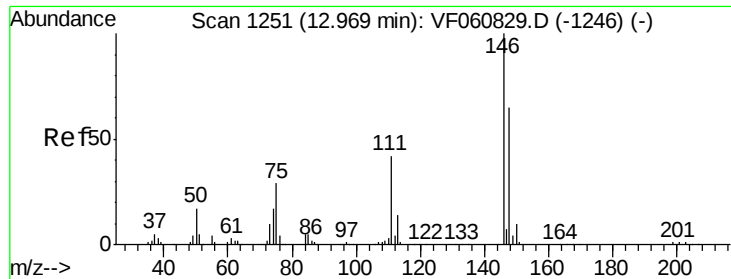
apatel
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#90
Hexachloroethane
Concen: 23.183 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. -0.01 min
Lab File: VF061037.D
Acq: 17 Dec 2018 13:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.5	26.7	80.1





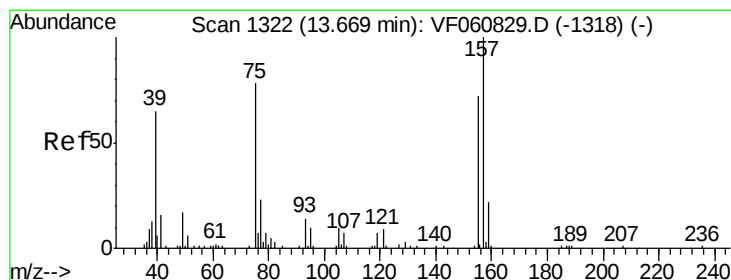
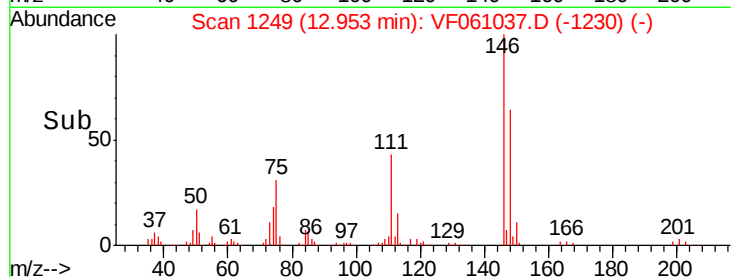
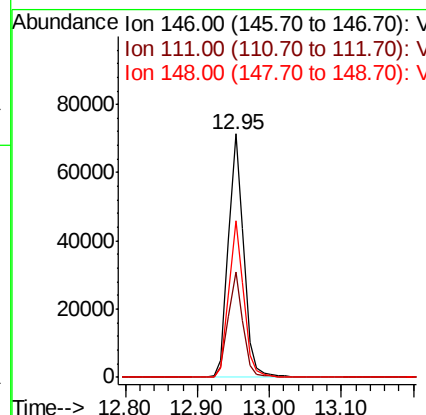
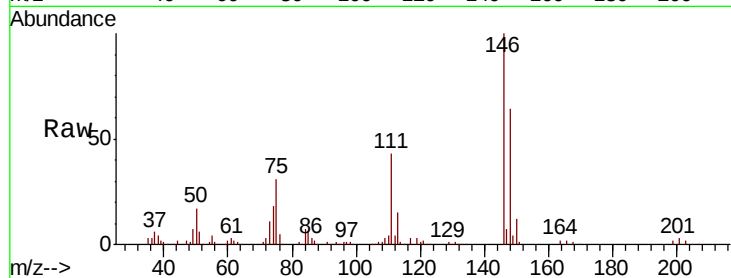
#91
 1,2-Dichlorobenzene
 Concen: 23.679 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. -0.02 min
 Lab File: VF061037.D
 Acq: 17 Dec 2018 13:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1217SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.2	63.6
148	64.1	32.5	97.5

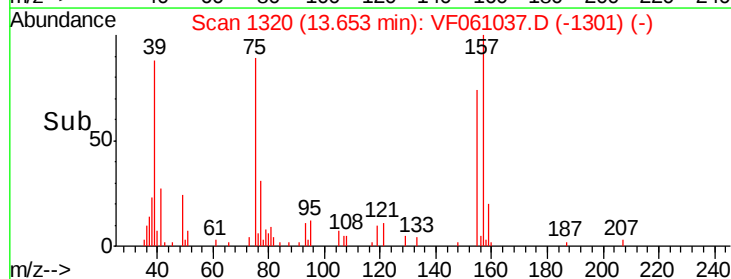
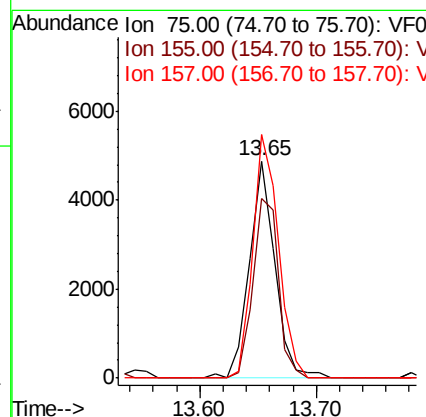
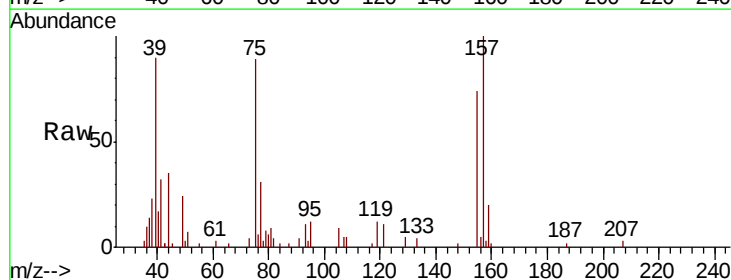
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.808 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. -0.02 min
 Lab File: VF061037.D
 Acq: 17 Dec 2018 13:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.6	45.6	136.9
157	112.1	63.8	191.5





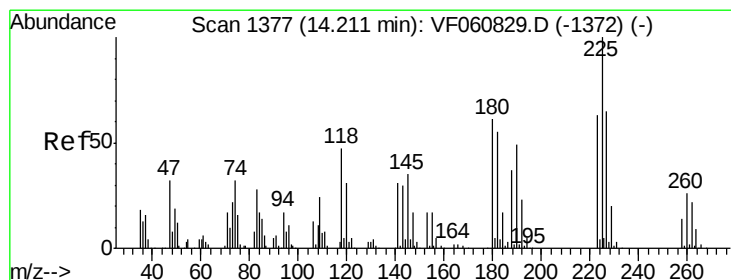
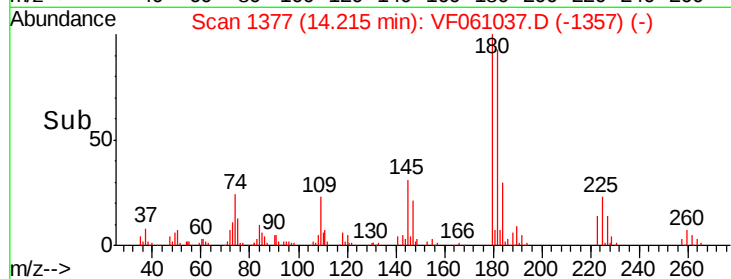
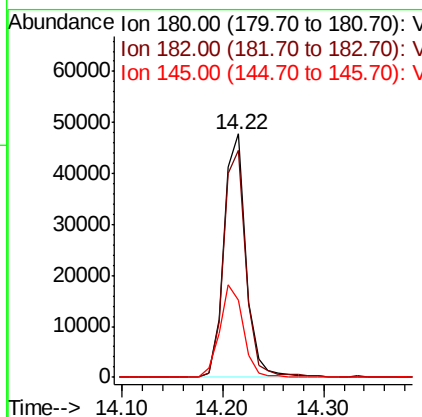
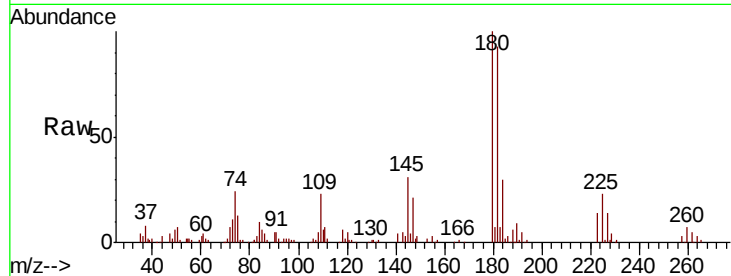
#93
 1,2,4-Trichlorobenzene
 Concen: 23.484 ug/l
 RT: 14.22 min Scan# 1377
 Delta R.T. -0.01 min
 Lab File: VF061037.D
 Acq: 17 Dec 2018 13:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	72875		
182	93.1		48.5	145.5
145	31.5		18.1	54.3

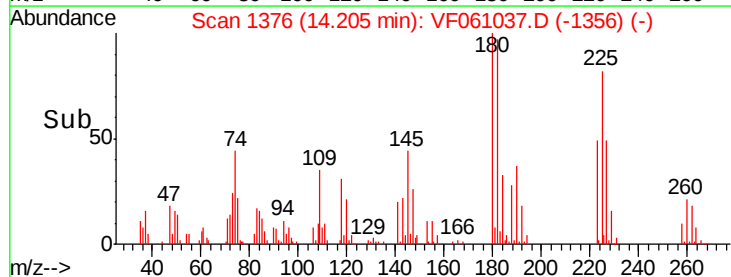
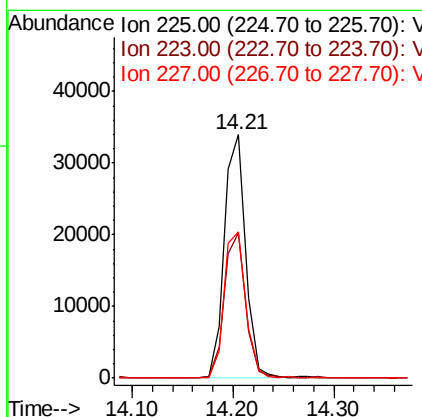
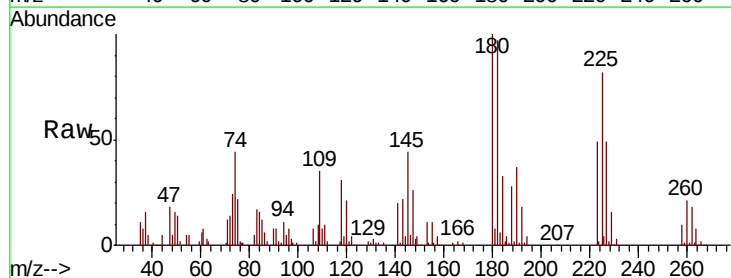
Manual Integrations
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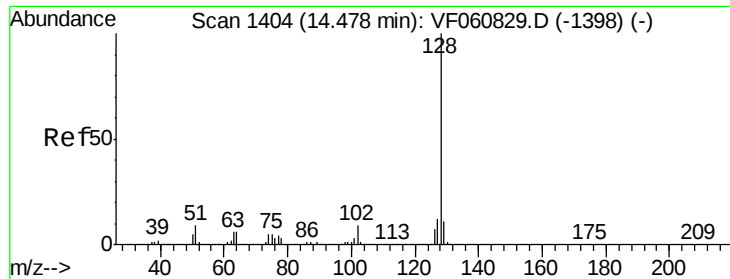
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#94
 Hexachlorobutadiene
 Concen: 24.230 ug/l
 RT: 14.21 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF061037.D
 Acq: 17 Dec 2018 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	50123		
223	59.6		31.4	94.3
227	59.9		32.5	97.5





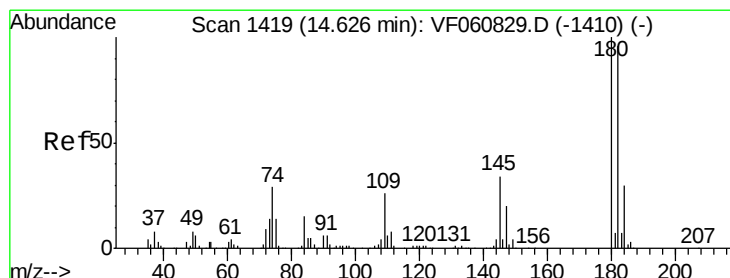
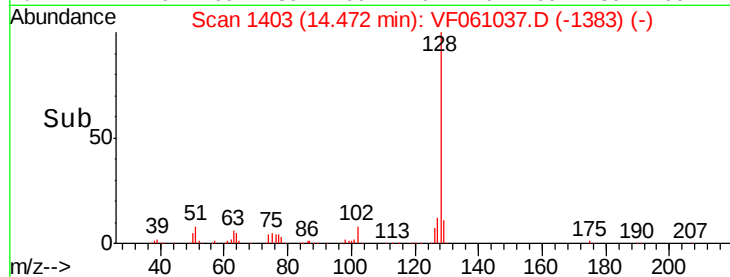
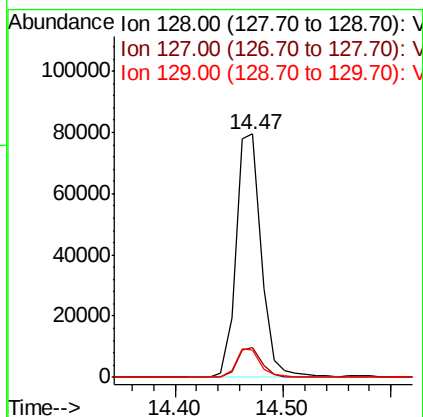
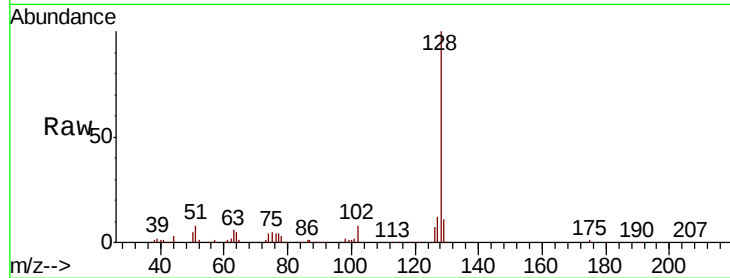
#95
Naphthalene
Concen: 19.351 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. -0.01 min
Lab File: VF061037.D
Acq: 17 Dec 2018 13:18

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	9.9	14.9
129	11.4	9.1	13.7

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 23.181 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. -0.02 min
Lab File: VF061037.D
Acq: 17 Dec 2018 13:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.9	143.8
145	39.0	17.2	51.5

