

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030819\
 Data File : VF061861.D
 Acq On : 8 Mar 2019 13:27
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 10:12:07 AM

Quant Time: Mar 09 02:02:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	313803	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.57	114	487856	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.74	117	409072	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	225104	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.81	65	126585	55.39	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	110.78%	
35) Dibromofluoromethane	4.08	113	179306	52.67	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	105.34%	
50) Toluene-d8	7.53	98	523366	51.72	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	103.44%	
62) 4-Bromofluorobenzene	11.39	95	203264	51.28	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	102.56%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.95	85	178246	46.267	ug/l	94
3) Chloromethane	1.09	50	178487	47.804	ug/l	95
4) Vinyl Chloride	1.14	62	171758	48.459	ug/l	97
5) Bromomethane	1.32	94	127998	52.990	ug/l	100
6) Chloroethane	1.37	64	93687	55.607	ug/l	96
7) Trichlorofluoromethane	1.47	101	233239	53.880	ug/l	99
8) Diethyl Ether	1.62	74	50219	51.015	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.82	101	156251	53.152	ug/l	99
10) Methyl Iodide	1.88	142	286186m	51.158	ug/l	
11) Tert butyl alcohol	2.56	59	31602	243.638	ug/l	96
12) 1,1-Dichloroethene	1.78	96	129735	48.340	ug/l	96
13) Acrolein	1.98	56	41776	254.180	ug/l	99
14) Allyl chloride	2.08	41	208649	70.570	ug/l	95
15) Acrylonitrile	2.92	53	105027	254.286	ug/l	99
16) Acetone	2.22	43	144981	302.867	ug/l	100
17) Carbon Disulfide	1.82	76	425839m	50.974	ug/l	
18) Methyl Acetate	2.33	43	50129	54.364	ug/l	94
19) Methyl tert-butyl Ether	2.42	73	226420	49.872	ug/l	99
20) Methylene Chloride	2.17	84	134780m	50.770	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	138313	54.759	ug/l	89
22) Diisopropyl ether	2.78	45	388967	50.575	ug/l	97
23) Vinyl Acetate	3.17	43	864913	251.735	ug/l	98
24) 1,1-Dichloroethane	2.85	63	234984	51.117	ug/l	99
25) 2-Butanone	4.30	43	240963	247.469	ug/l	96
26) 2,2-Dichloropropane	3.57	77	117864	57.435	ug/l	99
27) cis-1,2-Dichloroethene	3.45	96	174788	49.948	ug/l	99
28) Bromochloromethane	3.69	49	104613	52.206	ug/l #	89
29) Tetrahydrofuran	4.05	42	99076	235.934	ug/l	98
30) Chloroform	3.83	83	268974	51.226	ug/l	95
31) Cyclohexane	3.67	56	239110	49.661	ug/l	99
32) 1,1,1-Trichloroethane	4.06	97	199110	61.520	ug/l	100
36) 1,1-Dichloropropene	4.25	75	220127	47.767	ug/l	98
37) Ethyl Acetate	4.07	43	87982	45.486	ug/l #	89
38) Carbon Tetrachloride	3.96	117	171321	52.516	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	257442	47.297	ug/l	96
40) Benzene	4.61	78	558072	46.330	ug/l	100
41) Methacrylonitrile	4.72	41	47900	45.199	ug/l	94
42) 1,2-Dichloroethane	4.91	62	138330	46.081	ug/l	100
43) Isopropyl Acetate	6.93	43	102599	43.031	ug/l #	95
44) Trichloroethene	5.47	130	173754	46.416	ug/l	97
45) 1,2-Dichloropropane	6.20	63	133552	46.625	ug/l	99
46) Dibromomethane	6.06	93	81910	45.437	ug/l	96
47) Bromodichloromethane	6.35	83	188004	47.205	ug/l	99
48) Methyl methacrylate	6.69	41	67785	44.921	ug/l	94
49) 1,4-Dioxane	6.68	88	11448	829.910	ug/l	86
51) 4-Methyl-2-Pentanone	8.23	43	362898	220.220	ug/l	97
52) Toluene	7.60	92	324866	45.589	ug/l	97
53) t-1,3-Dichloropropene	8.26	75	151301	46.023	ug/l	95
54) cis-1,3-Dichloropropene	7.27	75	213708	47.129	ug/l	98
55) 1,1,2-Trichloroethane	8.46	97	93490	45.535	ug/l	97
56) Ethyl methacrylate	8.59	69	112511	48.624	ug/l	97
57) 1,3-Dichloropropane	8.83	76	156393	46.577	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.27	63	105555	288.372	ug/l	97
59) 2-Hexanone	9.47	43	273682	230.215	ug/l	98
60) Dibromochloromethane	8.69	129	139114	47.540	ug/l	98
61) 1,2-Dibromoethane	8.96	107	104721	46.382	ug/l	98
64) Tetrachloroethene	8.13	164	147402	46.894	ug/l	98
65) Chlorobenzene	9.77	112	372430	47.388	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.90	131	146884	48.238	ug/l	97
67) Ethyl Benzene	9.87	91	622815	47.812	ug/l	99
68) m/p-Xylenes	10.11	106	468739	93.932	ug/l	96
69) o-Xylene	10.69	106	254183	47.303	ug/l	98
70) Styrene	10.77	104	361108	47.751	ug/l	98
71) Bromoform	10.75	173	78720	48.915	ug/l	97
73) Isopropylbenzene	11.11	105	731964	47.232	ug/l	98
74) N-amyl acetate	11.35	43	160827	45.079	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.68	83	118880	46.155	ug/l	97
76) 1,2,3-Trichloropropane	11.78	75	86733	49.339	ug/l	94
77) Bromobenzene	11.48	156	170990	45.846	ug/l	82
78) n-propylbenzene	11.58	91	815590	46.603	ug/l	94
79) 2-Chlorotoluene	11.70	91	461751	46.150	ug/l	99
80) 1,3,5-Trimethylbenzene	11.81	105	583408	46.889	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	38344m	47.701	ug/l	
82) 4-Chlorotoluene	11.87	91	472003	46.121	ug/l	99
83) tert-Butylbenzene	12.11	119	634957	48.060	ug/l	92
84) 1,2,4-Trimethylbenzene	12.19	105	574849	47.129	ug/l	96
85) sec-Butylbenzene	12.29	105	821987	47.810	ug/l	97
86) p-Isopropyltoluene	12.44	119	726807	49.732	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	338764	47.835	ug/l	99
88) 1,4-Dichlorobenzene	12.55	146	328517	48.089	ug/l	99
89) n-Butylbenzene	12.83	91	666672	47.733	ug/l	97
90) Hexachloroethane	12.90	117	170971	48.603	ug/l	82
91) 1,2-Dichlorobenzene	12.92	146	303693	45.262	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.62	75	20310	45.755	ug/l	69

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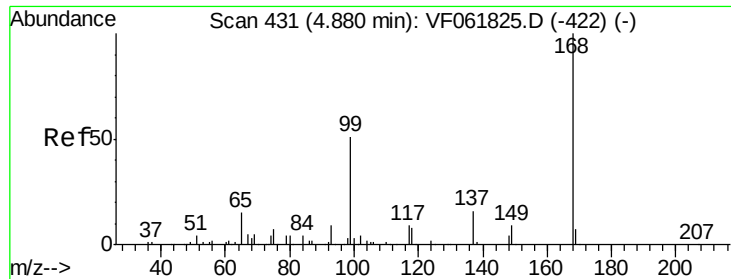
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Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	228100	48.491	ug/l	97
94) Hexachlorobutadiene	14.17	225	153693	47.197	ug/l	97
95) Naphthalene	14.44	128	402459	48.037	ug/l	100
96) 1,2,3-Trichlorobenzene	14.59	180	213909	49.251	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.04 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 313803

Ion Ratio Lower Upper

168 100

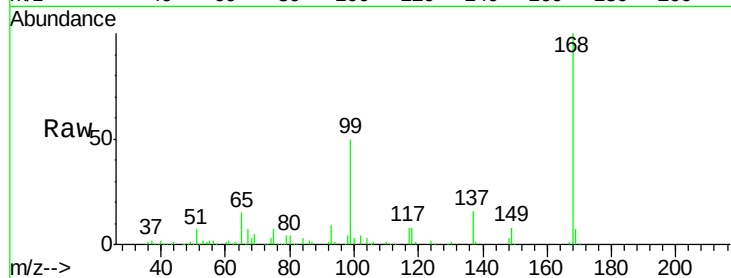
99 50.0 40.8 61.2

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

120000

100000

80000

60000

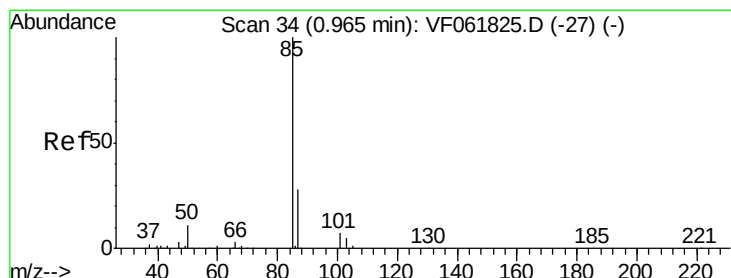
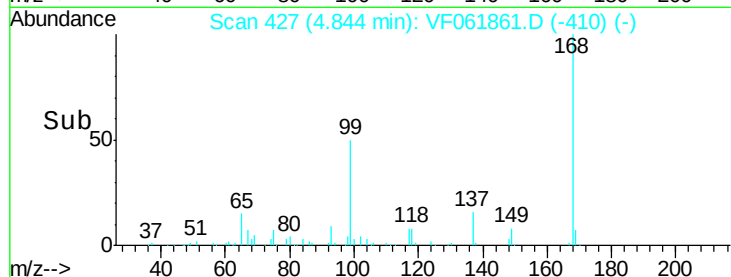
40000

20000

0

4.70 4.80 4.90 5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 46.267 ug/l

RT: 0.95 min Scan# 32

Delta R.T. -0.02 min

Lab File: VF061861.D

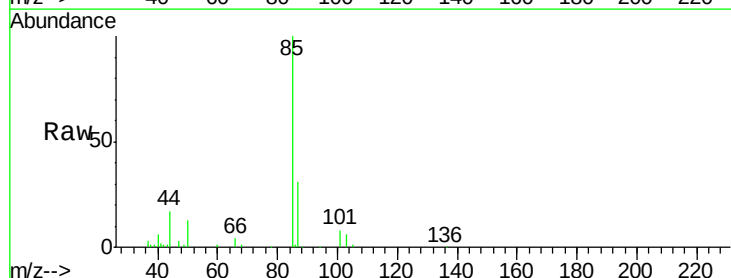
Acq: 8 Mar 2019 13:27

Tgt Ion: 85 Resp: 178246

Ion Ratio Lower Upper

85 100

87 31.2 14.1 42.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

60000

50000

40000

30000

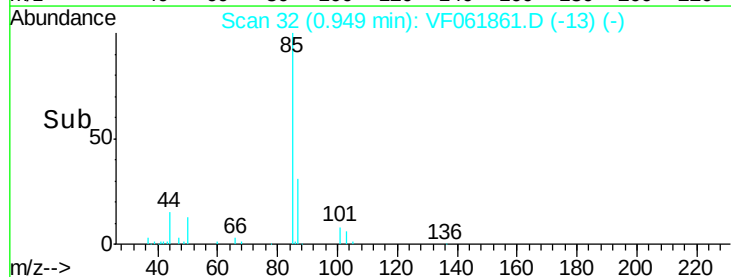
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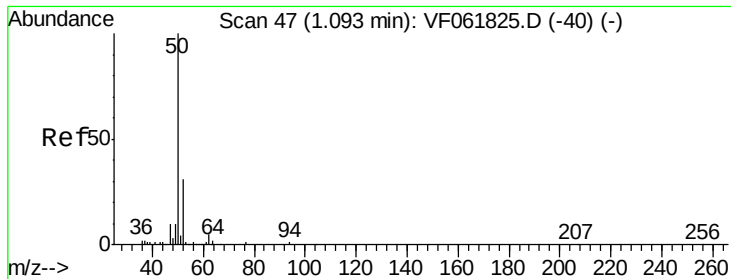
10000

0

0.80 0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 47.804 ug/l

RT: 1.09 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 178487

Ion Ratio Lower Upper

50 100

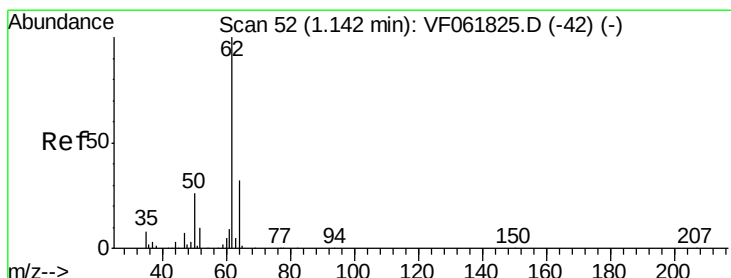
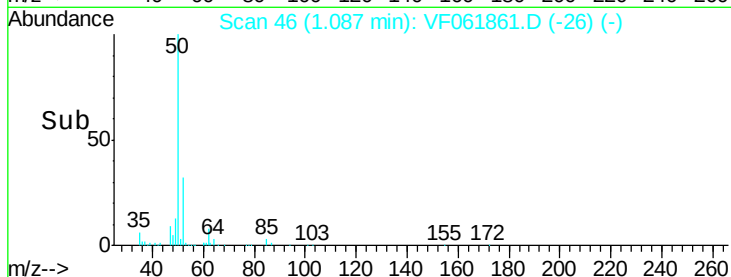
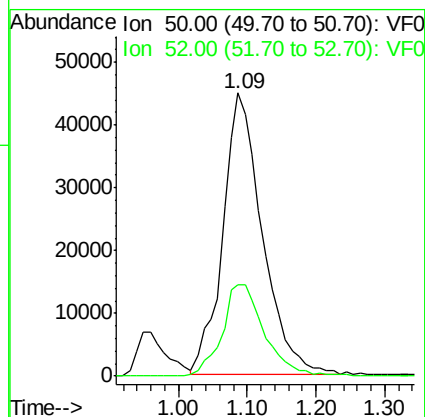
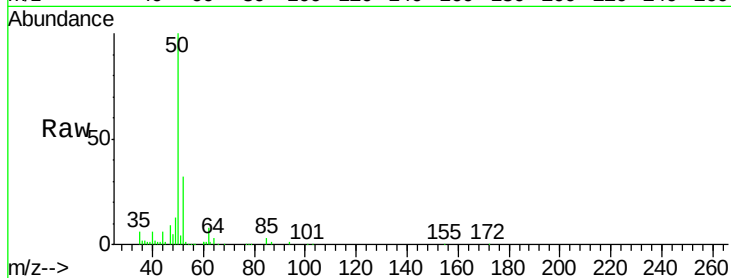
52 32.3 23.8 35.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.459 ug/l

RT: 1.14 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF061861.D

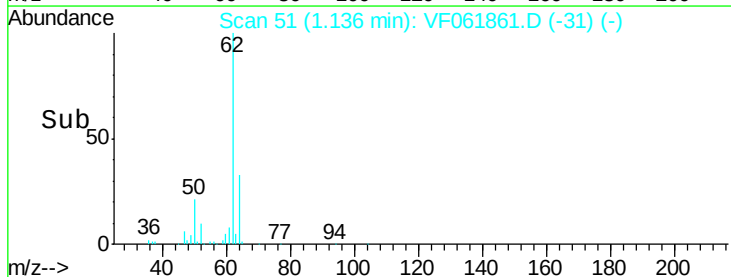
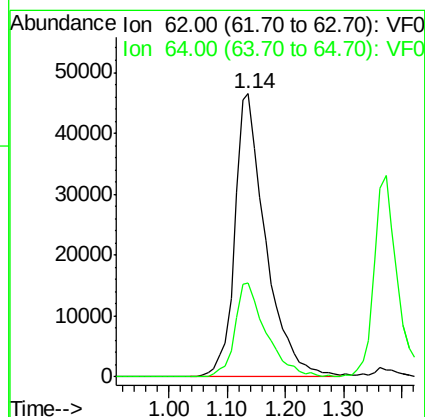
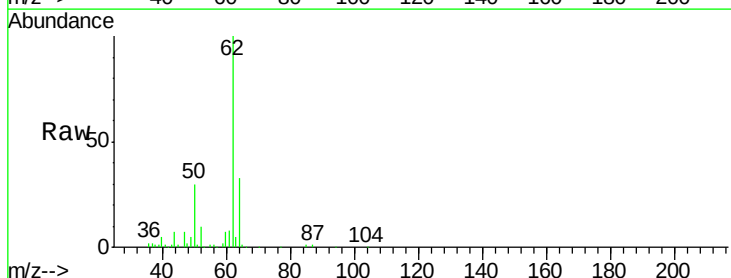
Acq: 8 Mar 2019 13:27

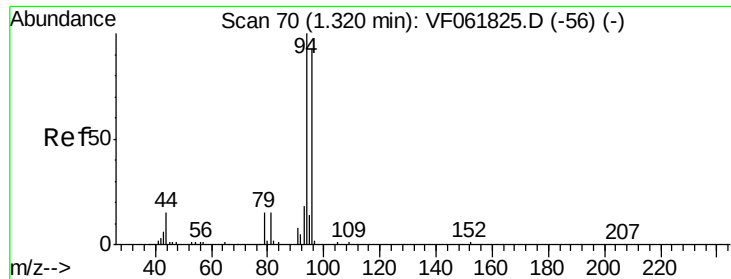
Tgt Ion: 62 Resp: 171758

Ion Ratio Lower Upper

62 100

64 33.2 25.2 37.8





#5

Bromomethane

Concen: 52.990 ug/l

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 127998

Ion Ratio Lower Upper

94 100

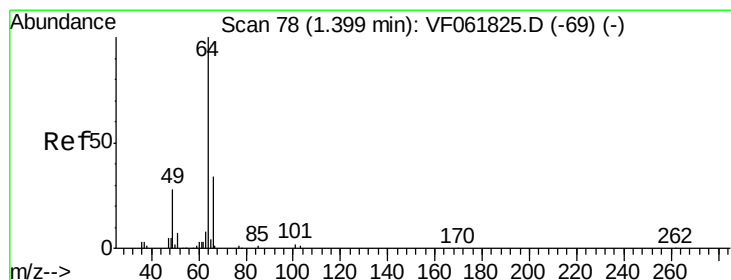
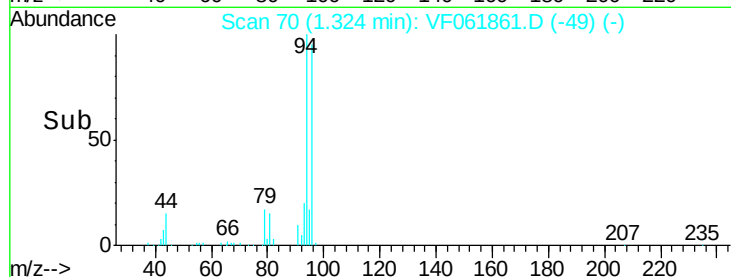
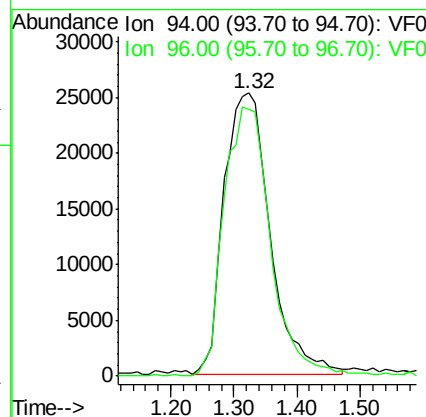
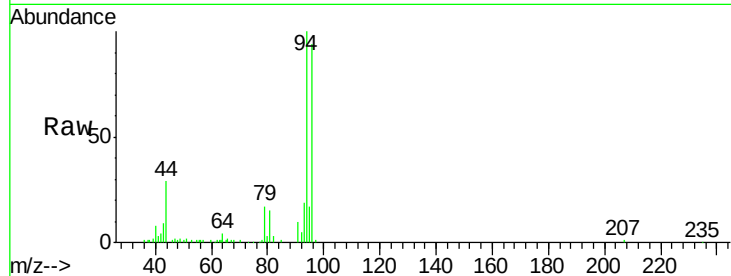
96 94.0 75.2 112.8

Manual Integrations

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#6

Chloroethane

Concen: 55.607 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.03 min

Lab File: VF061861.D

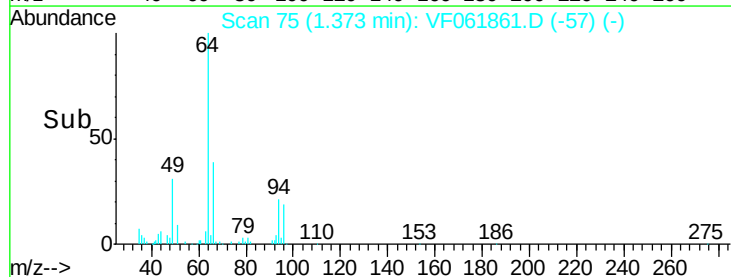
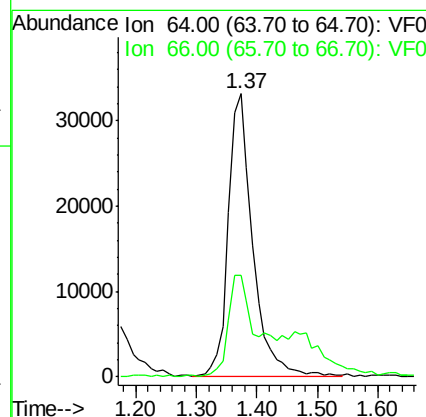
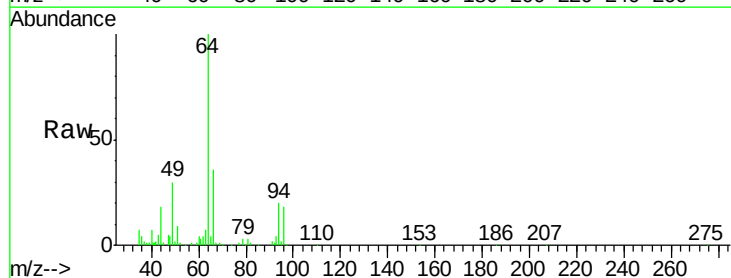
Acq: 8 Mar 2019 13:27

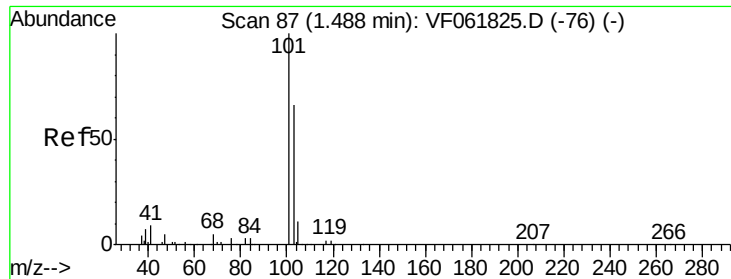
Tgt Ion: 64 Resp: 93687

Ion Ratio Lower Upper

64 100

66 36.0 27.0 40.4





#7

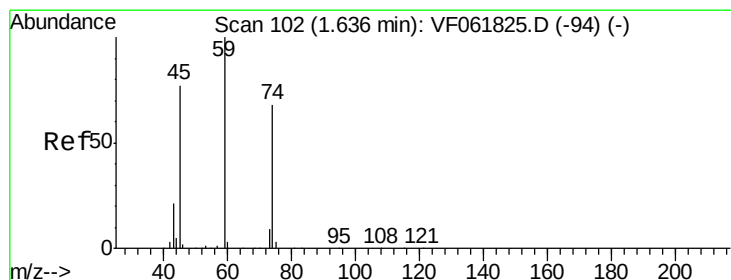
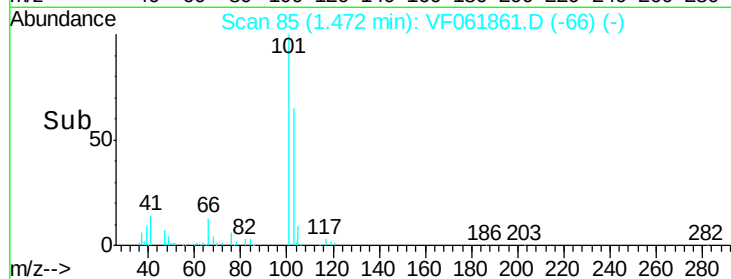
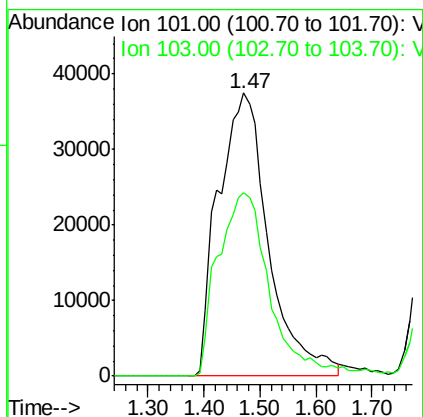
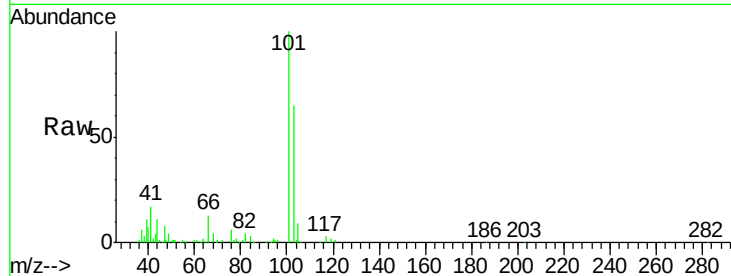
Trichlorofluoromethane
Concen: 53.880 ug/l
RT: 1.47 min Scan# 85
Delta R.T. -0.02 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.8	79.2

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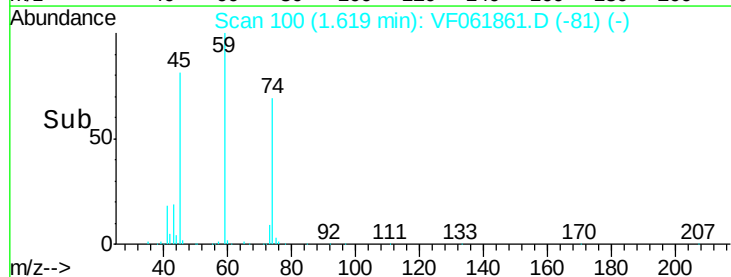
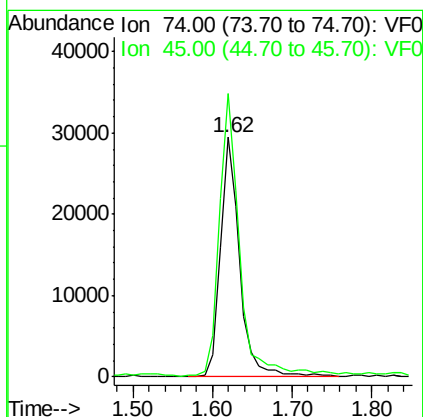
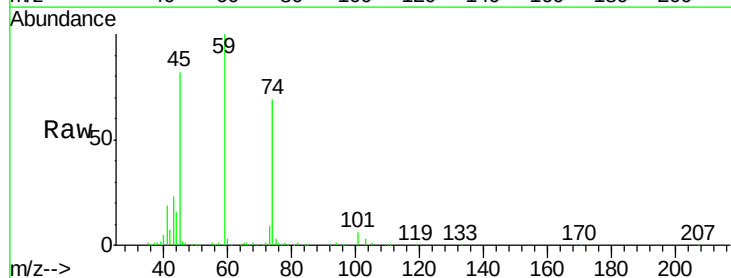
MMDadoda
3/11/2019 10:12:07 AM

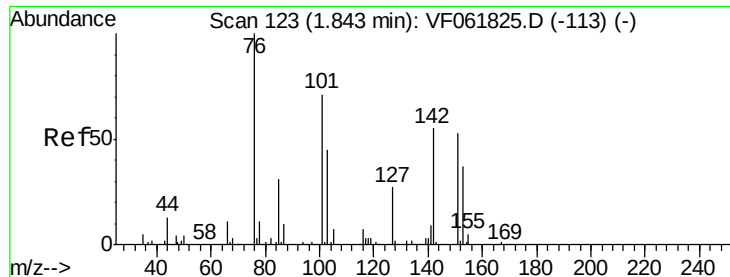


#8

Diethyl Ether
Concen: 51.015 ug/l
RT: 1.62 min Scan# 100
Delta R.T. -0.02 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.1	57.2	171.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.152 ug/l

RT: 1.82 min Scan# 120

Delta R.T. -0.03 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

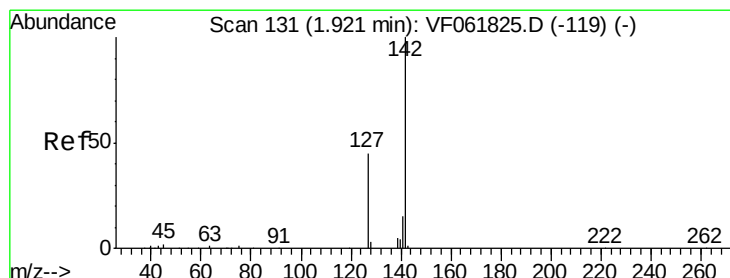
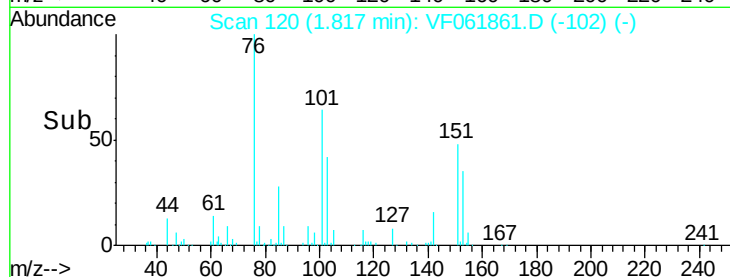
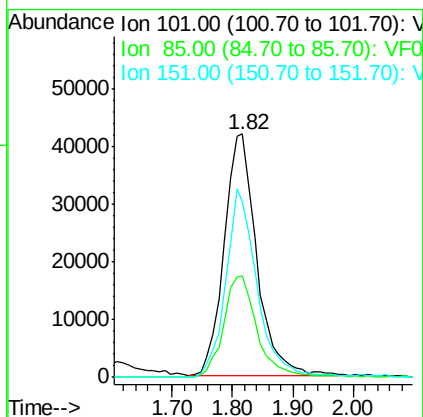
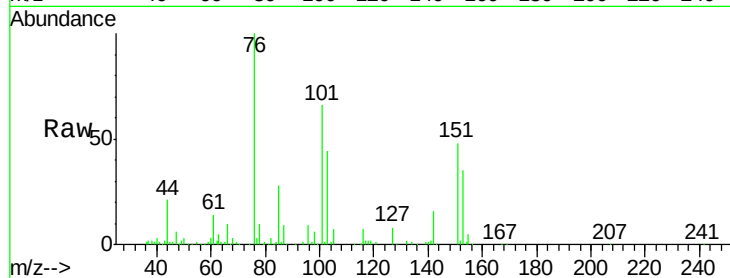
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	156251
Ion Ratio	Lower	Upper	
101	100		
85	41.9	34.0	51.0
151	72.0	57.3	85.9

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#10

Methyl Iodide

Concen: 51.158 ug/l m

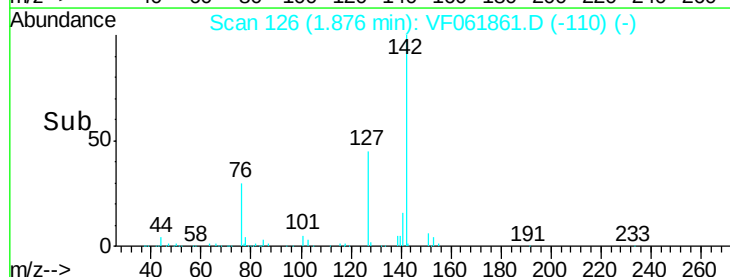
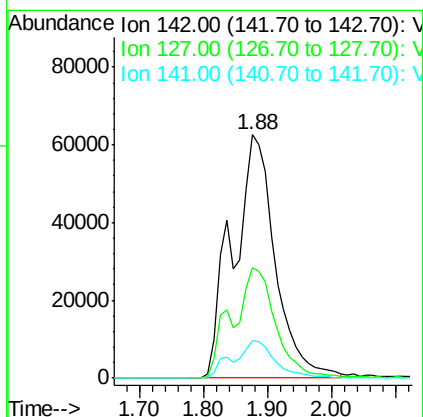
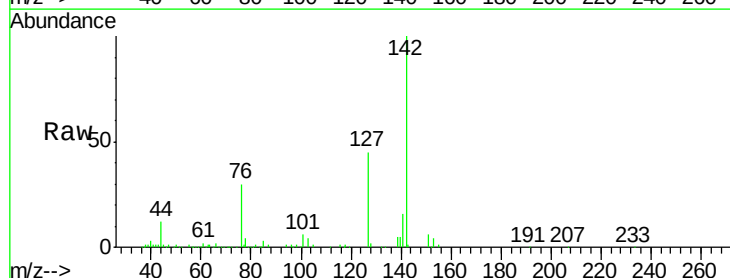
RT: 1.88 min Scan# 126

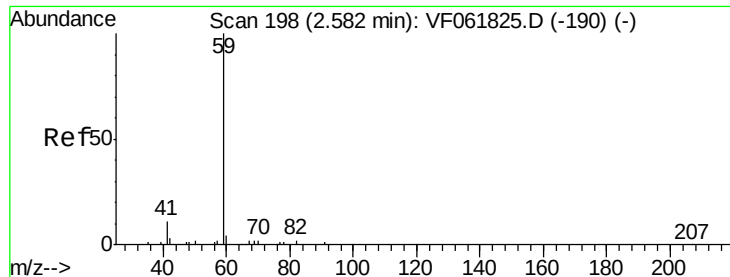
Delta R.T. -0.05 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Tgt Ion:	142	Resp:	286186
Ion Ratio	Lower	Upper	
142	100		
127	45.4	35.8	53.6
141	15.6	11.7	17.5





#11

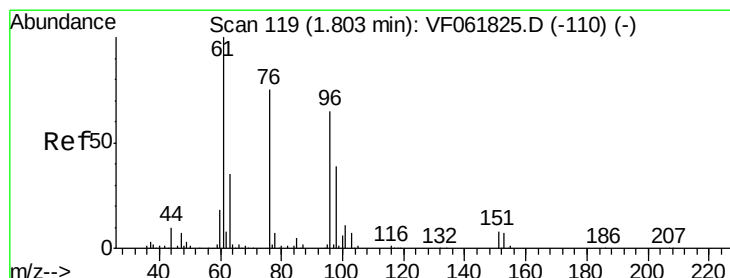
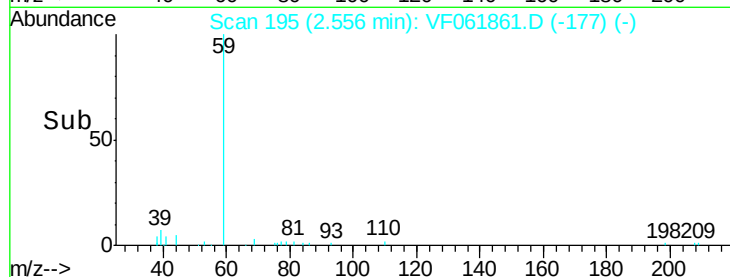
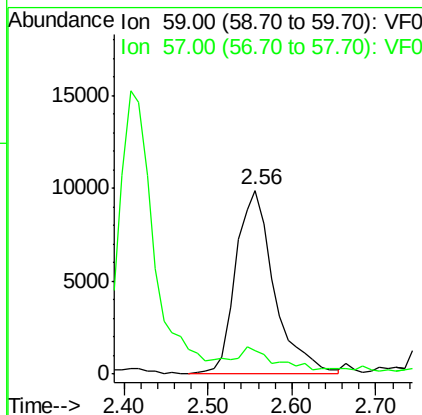
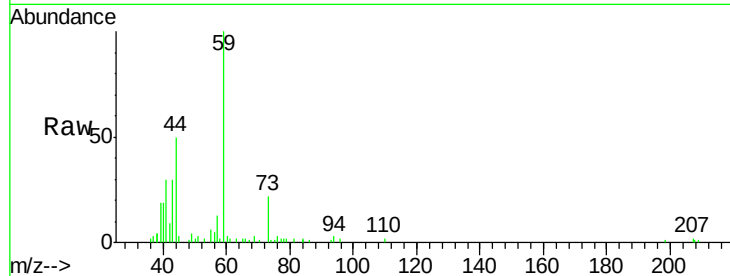
Tert butyl alcohol
Concen: 243.638 ug/l
RT: 2.56 min Scan# 195
Delta R.T. -0.03 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 31602
Ion Ratio Lower Upper
59 100
57 13.1 11.8 17.6

Manual Integrations
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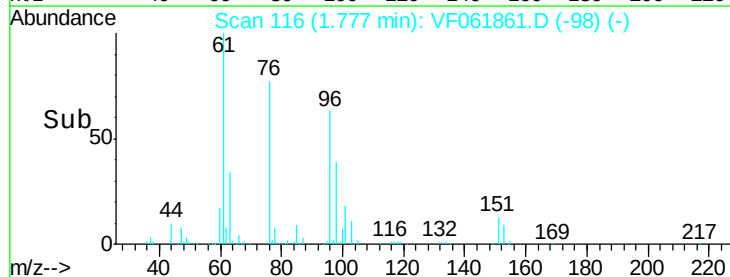
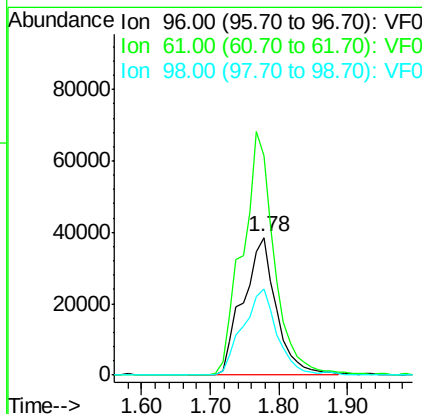
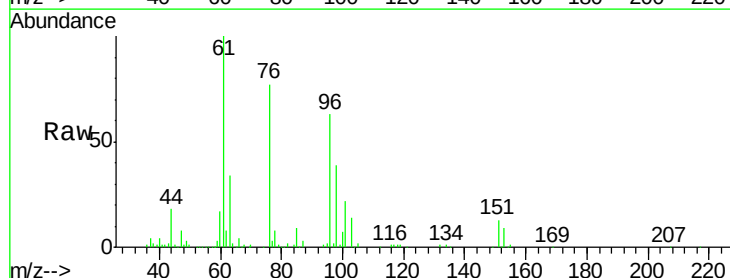
MMDadoda
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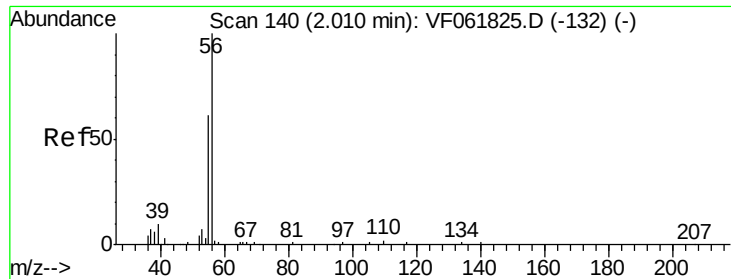


#12

1,1-Dichloroethene
Concen: 48.340 ug/l
RT: 1.78 min Scan# 116
Delta R.T. -0.03 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Tgt Ion: 96 Resp: 129735
Ion Ratio Lower Upper
96 100
61 158.8 122.5 183.7
98 62.3 47.1 70.7





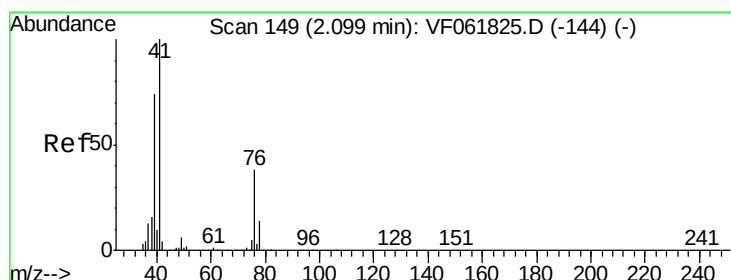
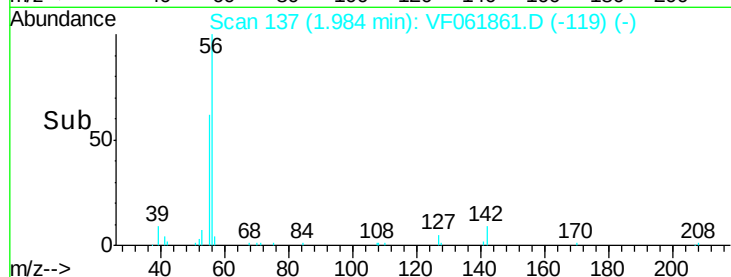
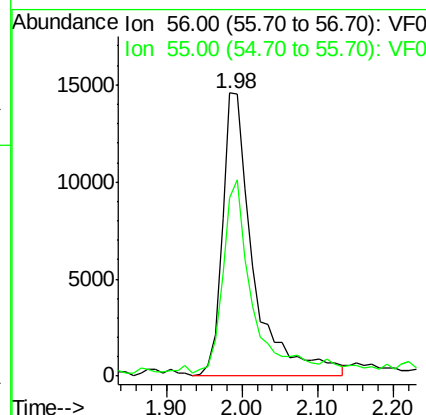
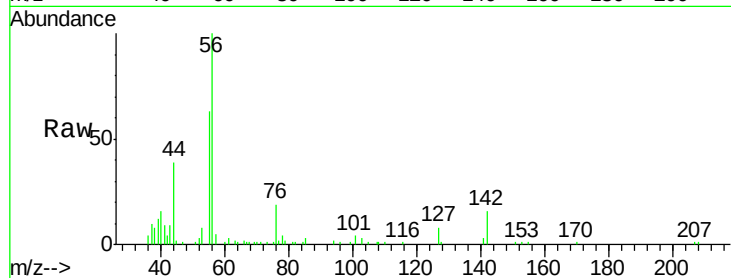
#13
Acrolein
Concen: 254.180 ug/l
RT: 1.98 min Scan# 137
Delta R.T. -0.03 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	41776
Ion Ratio	100	Lower	Upper
55	63.1	51.3	76.9

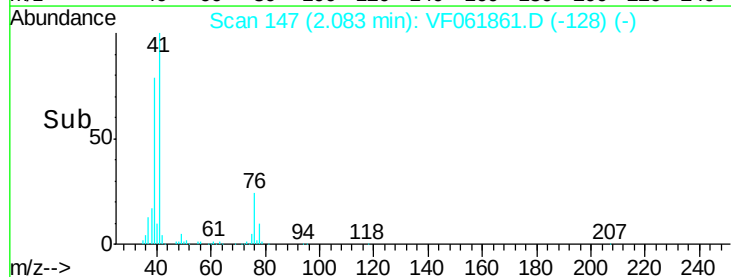
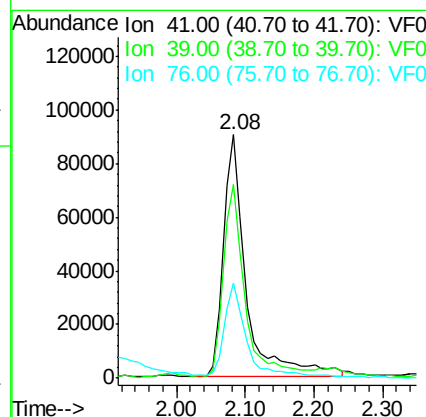
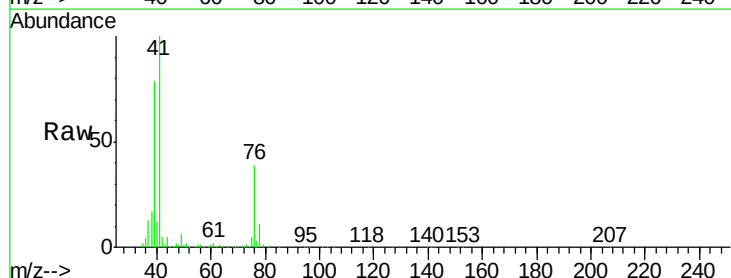
Manual Integrations
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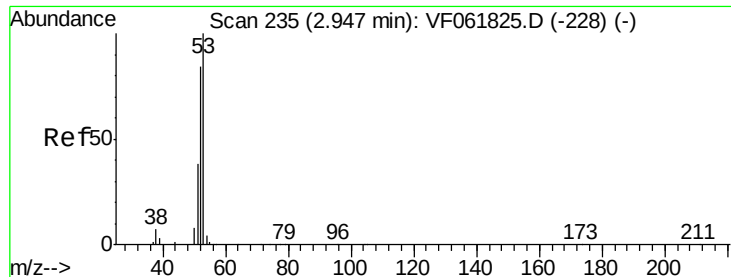
MMDadoda
3/11/2019 10:12:07 AM



#14
Allyl chloride
Concen: 70.570 ug/l
RT: 2.08 min Scan# 147
Delta R.T. -0.02 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Tgt Ion	41	Resp	208649
Ion Ratio	100	Lower	Upper
39	79.3	59.6	89.4
76	39.0	32.3	48.5





#15

Acrylonitrile

Concen: 254.286 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.03 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

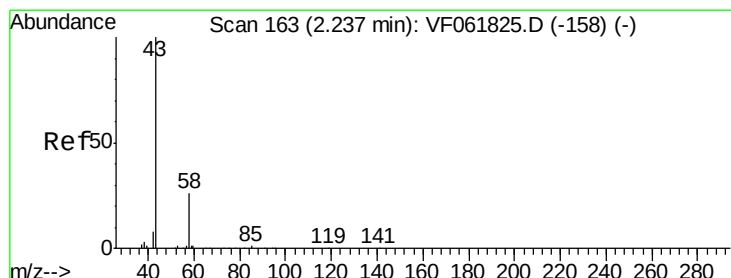
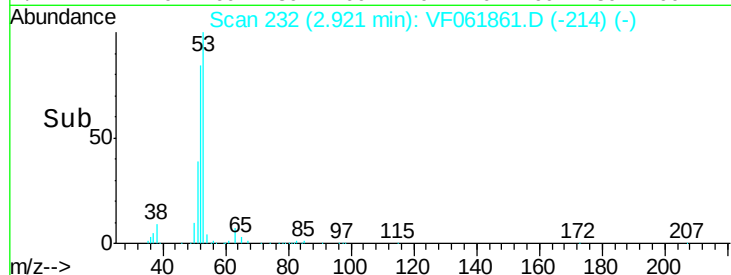
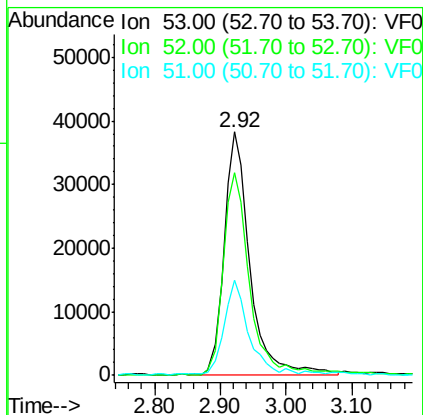
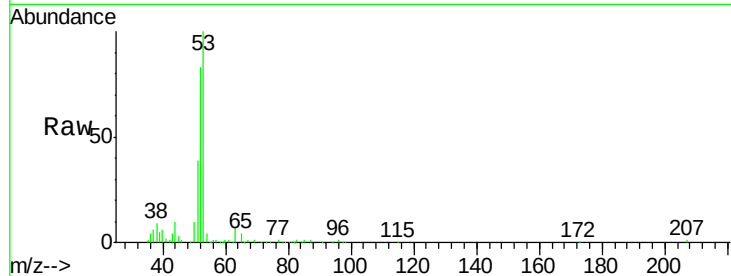
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	105027
Ion Ratio		Lower	Upper
53	100		
52	83.4	67.4	101.0
51	39.2	30.7	46.1

Manual Integrations
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#16

Acetone

Concen: 302.867 ug/l

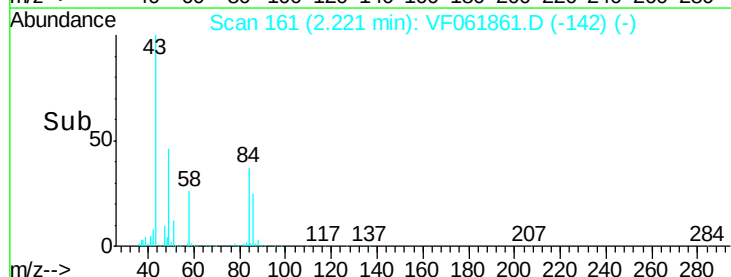
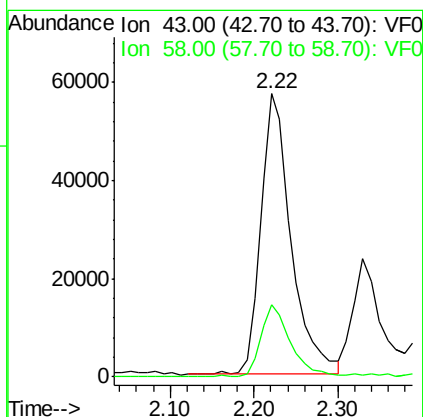
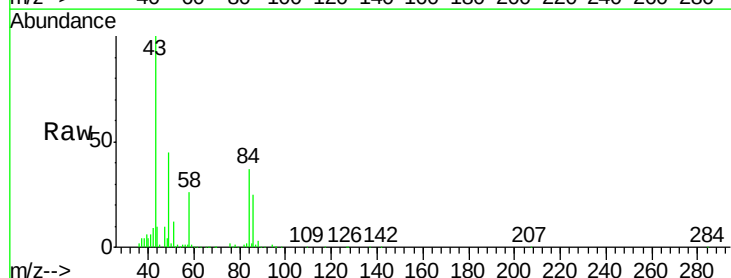
RT: 2.22 min Scan# 161

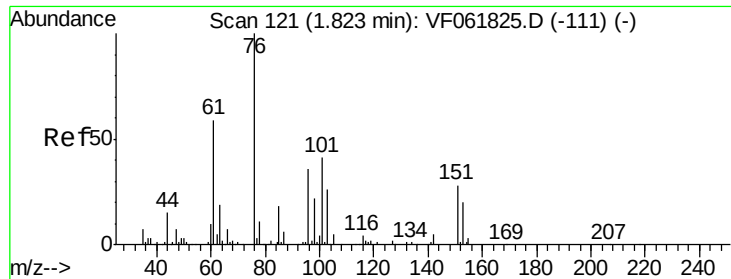
Delta R.T. -0.02 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Tgt Ion:	43	Resp:	144981
Ion Ratio		Lower	Upper
43	100		
58	25.5	20.3	30.5





#17

Carbon Disulfide

Concen: 50.974 ug/l m

RT: 1.82 min Scan# 120

Delta R.T. -0.01 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 425839

Ion Ratio Lower Upper

76 100

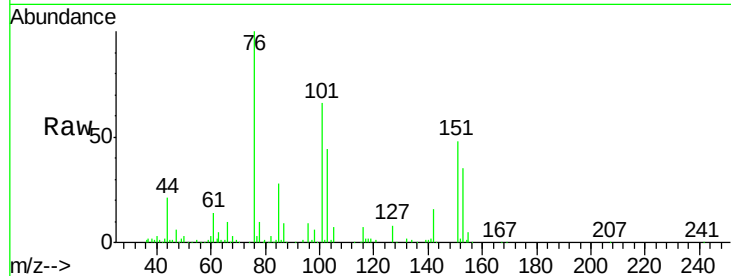
78 9.7 9.1 13.7

Manual Integrations

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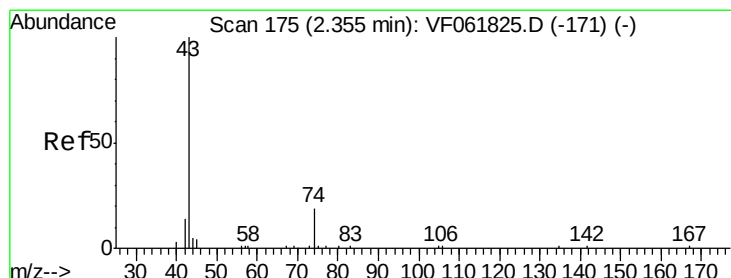
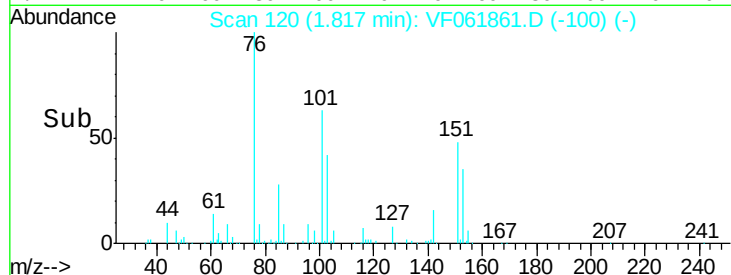
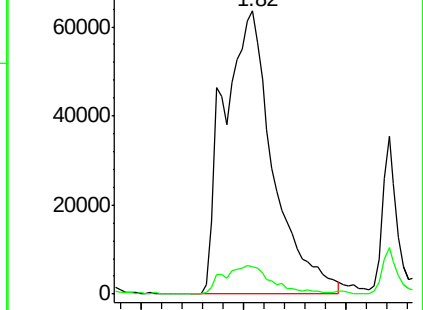
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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 54.364 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.03 min

Lab File: VF061861.D

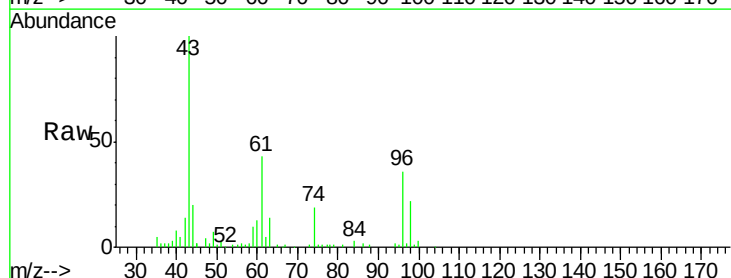
Acq: 8 Mar 2019 13:27

Tgt Ion: 43 Resp: 50129

Ion Ratio Lower Upper

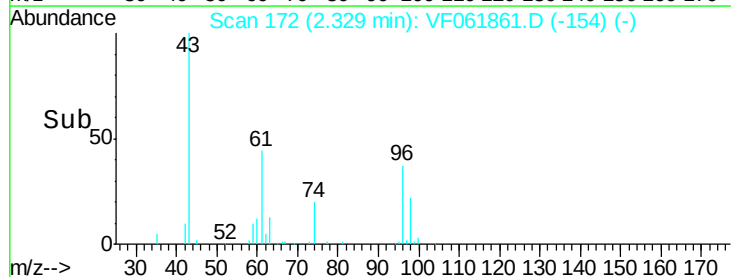
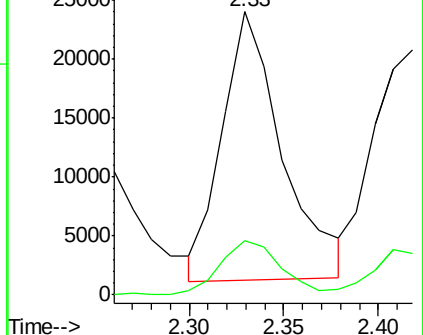
43 100

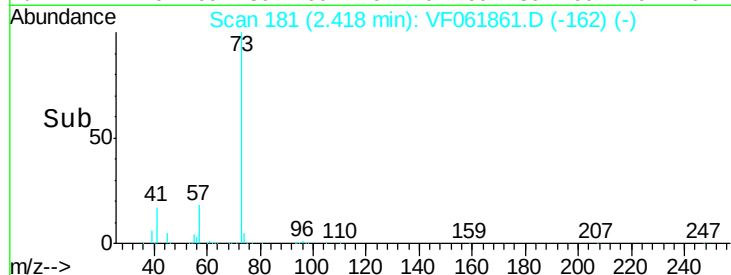
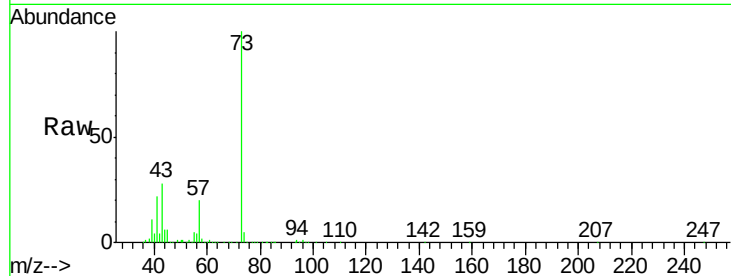
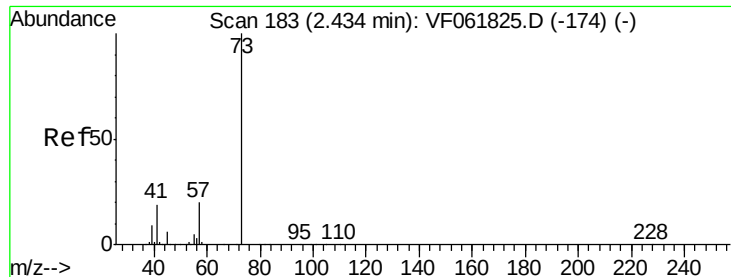
74 19.2 13.2 19.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





#19

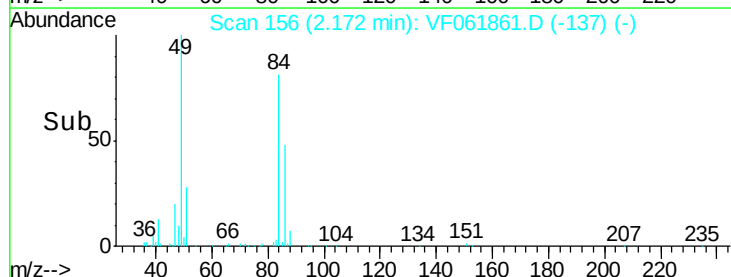
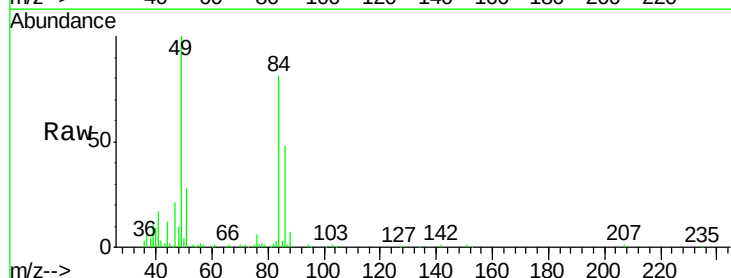
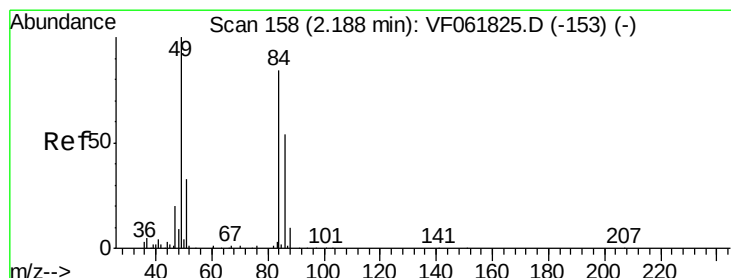
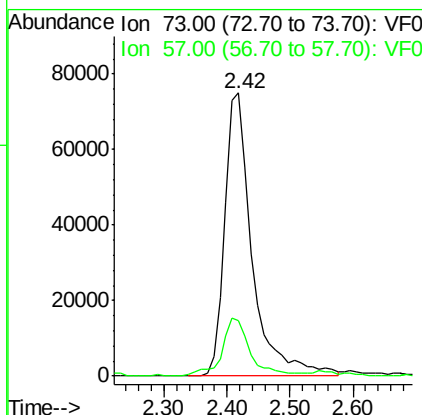
Methyl tert-butyl Ether
Concen: 49.872 ug/l
RT: 2.42 min Scan# 181
Delta R.T. -0.02 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Tot Ion	73	Resp	226420
Ion Ratio	100	Lower	Upper
73	100		
57	19.5	16.1	24.1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Manual Integrations
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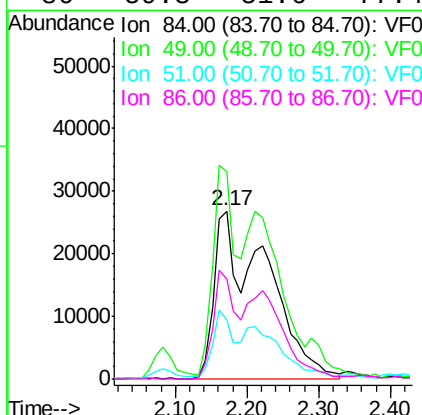
MMDadoda
3/11/2019 10:12:07 AM

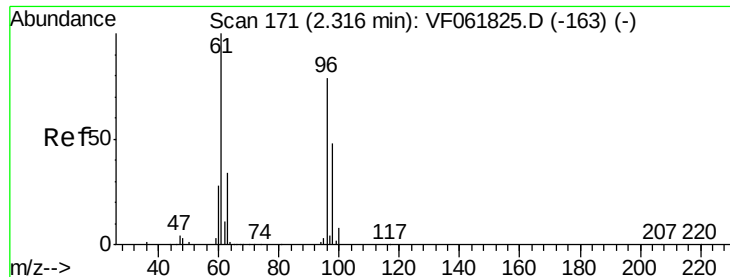


#20

Methylene Chloride
Concen: 50.770 ug/l m
RT: 2.17 min Scan# 156
Delta R.T. -0.02 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Tgt Ion	84	Resp	134780
Ion Ratio	100	Lower	Upper
84	100		
49	123.5	96.8	145.2
51	34.9	31.8	47.6
86	59.3	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 54.759 ug/l

RT: 2.29 min Scan# 168

Delta R.T. -0.03 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

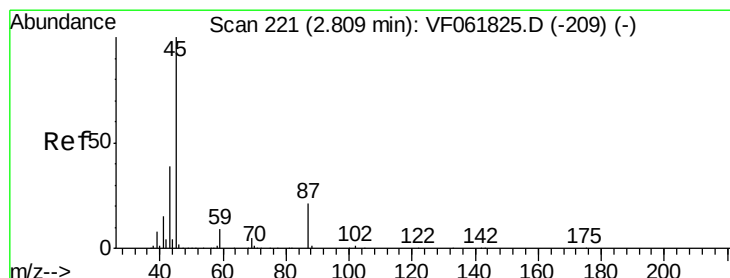
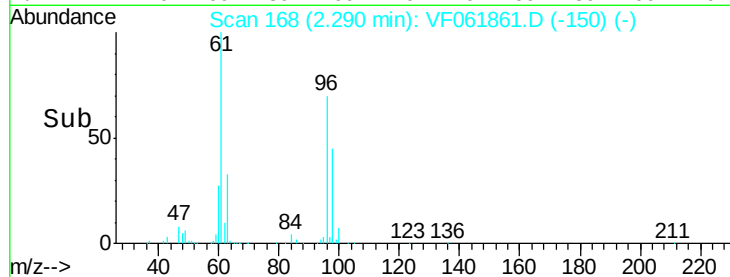
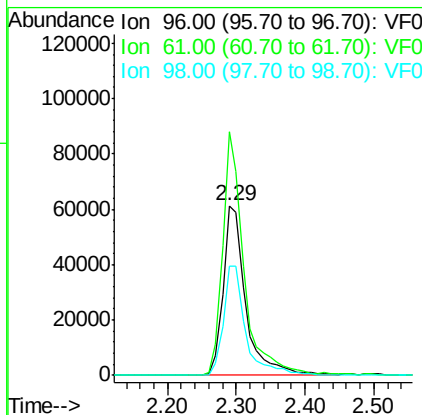
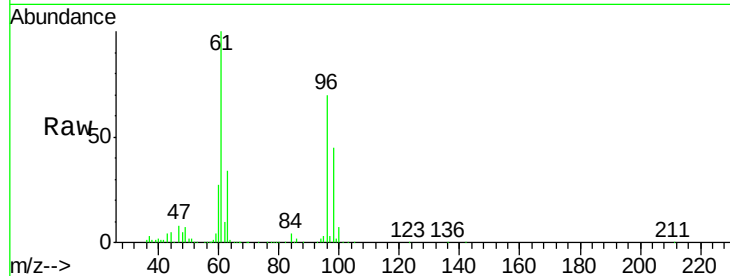
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	138313
Ion	Ratio	Lower	Upper
96	100		
61	143.5	101.0	151.6
98	64.1	48.8	73.2

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#22

Diisopropyl ether

Concen: 50.575 ug/l

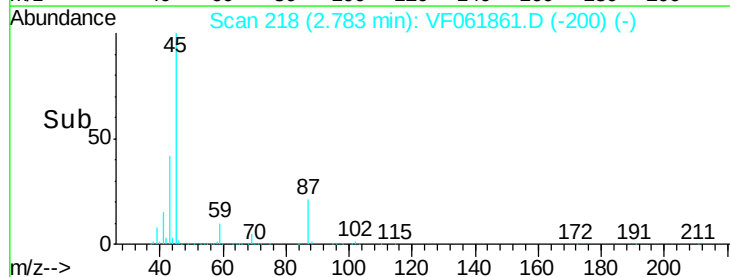
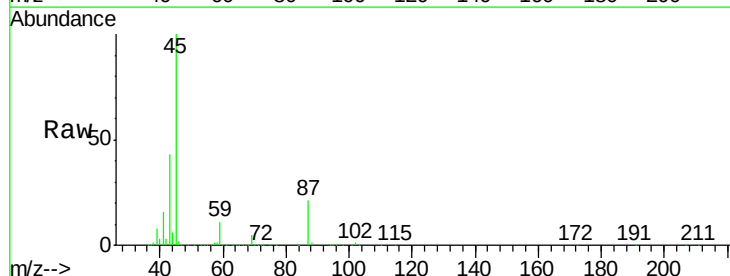
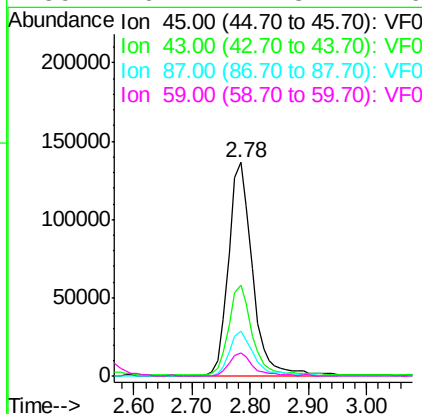
RT: 2.78 min Scan# 218

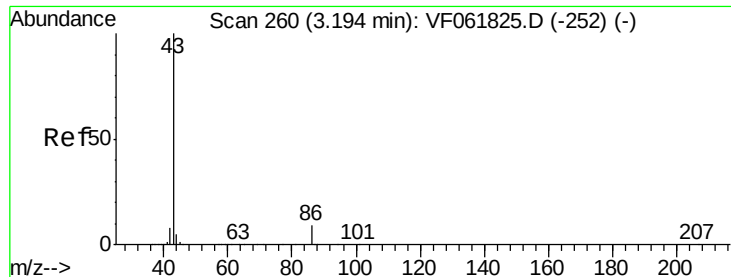
Delta R.T. -0.03 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Tgt Ion:	45	Resp:	388967
Ion	Ratio	Lower	Upper
45	100		
43	42.8	31.8	47.8
87	21.2	17.1	25.7
59	10.7	7.8	11.6





#23

Vinyl Acetate

Concen: 251.735 ug/l

RT: 3.17 min Scan# 257

Delta R.T. -0.03 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 864913

Ion Ratio Lower Upper

43 100

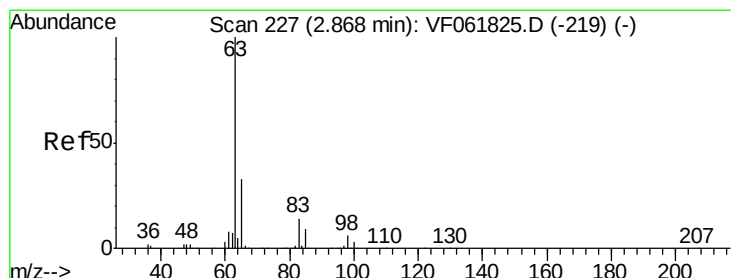
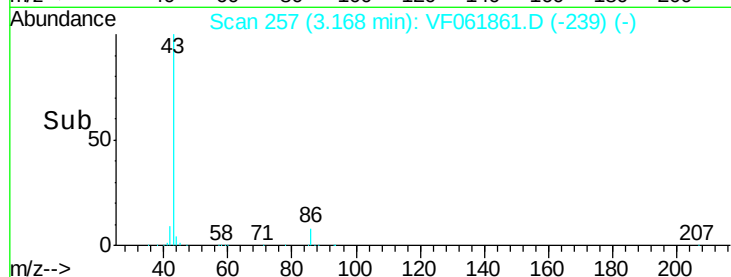
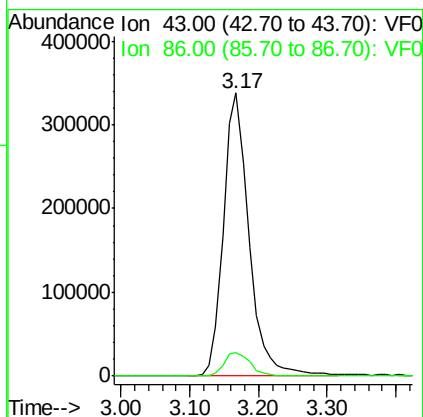
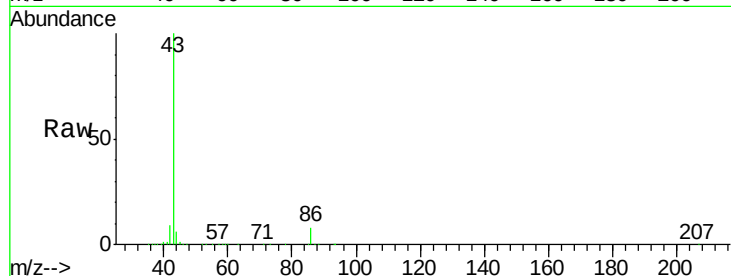
86 8.1 7.0 10.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 51.117 ug/l

RT: 2.85 min Scan# 225

Delta R.T. -0.02 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

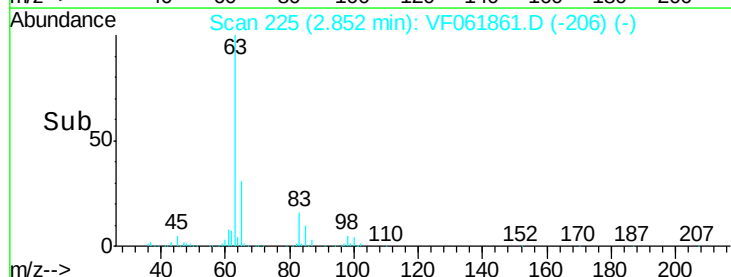
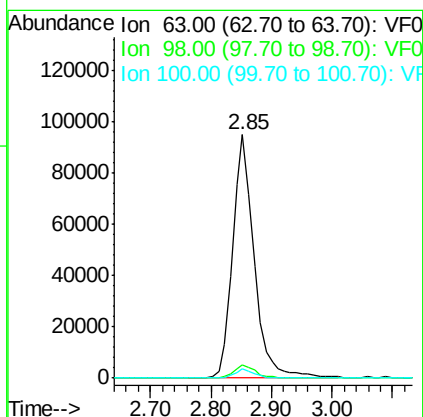
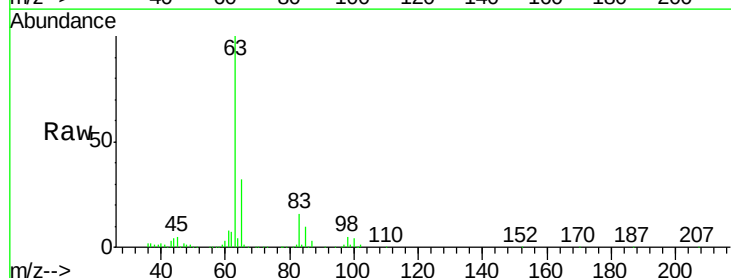
Tgt Ion: 63 Resp: 234984

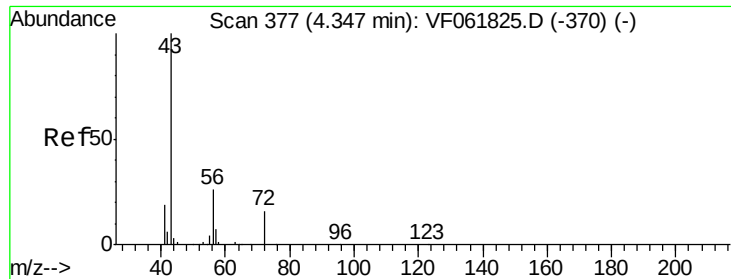
Ion Ratio Lower Upper

63 100

98 5.4 2.9 8.6

100 3.8 1.8 5.3





#25

2-Butanone

Concen: 247.469 ug/l

RT: 4.30 min Scan# 372

Delta R.T. -0.05 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 240963

Ion Ratio Lower Upper

43 100

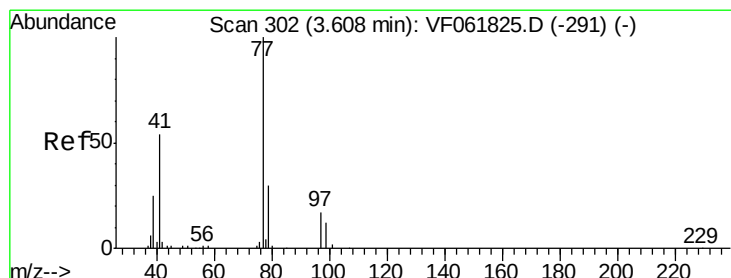
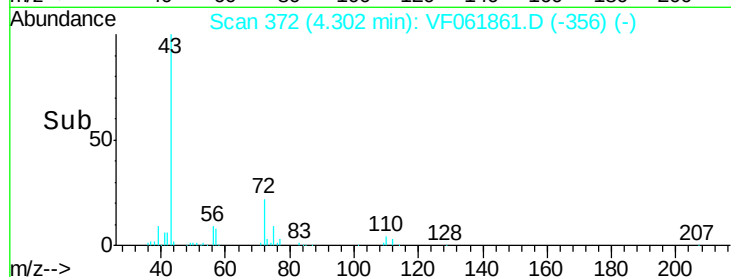
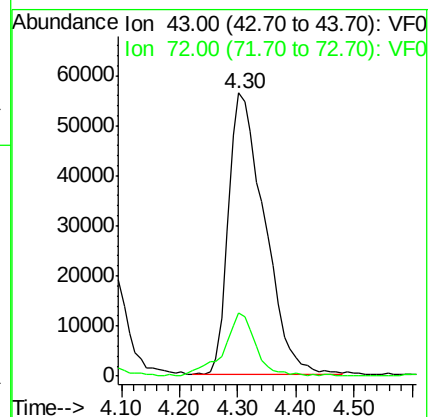
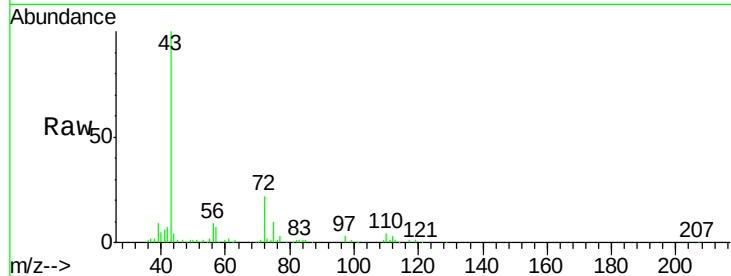
72 22.3 16.2 24.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 57.435 ug/l

RT: 3.57 min Scan# 298

Delta R.T. -0.04 min

Lab File: VF061861.D

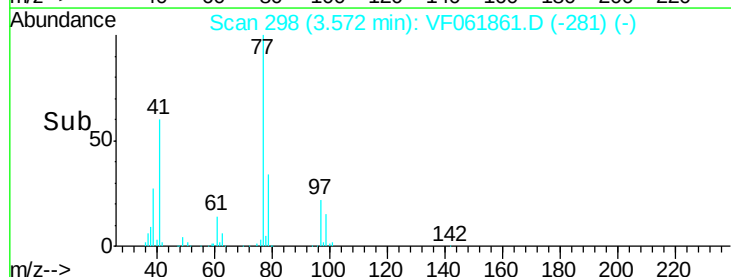
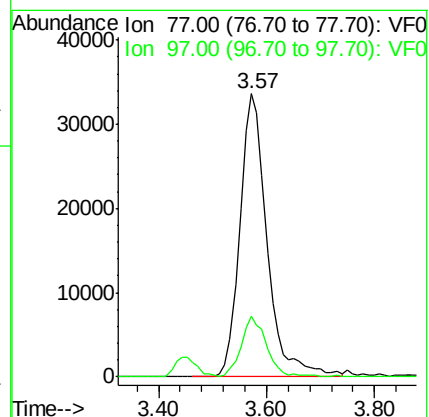
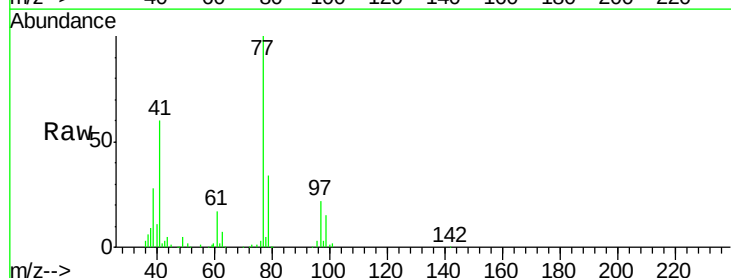
Acq: 8 Mar 2019 13:27

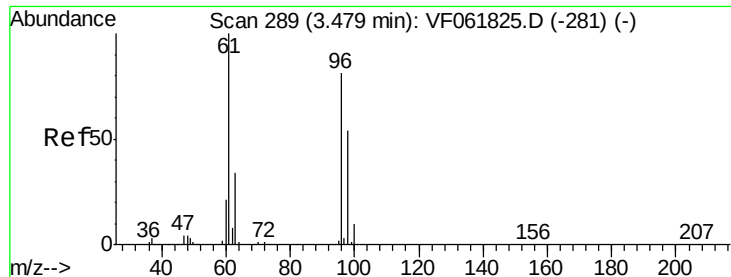
Tgt Ion: 77 Resp: 117864

Ion Ratio Lower Upper

77 100

97 21.5 10.4 31.4





#27

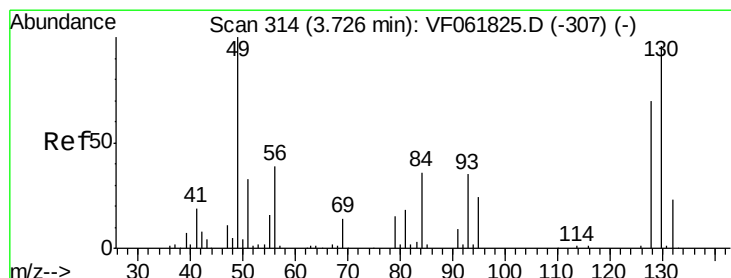
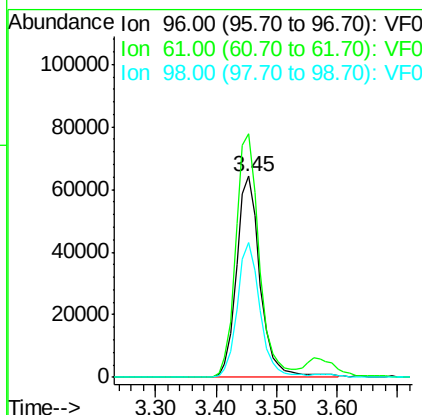
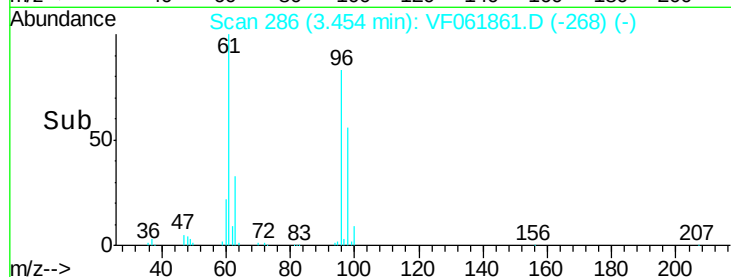
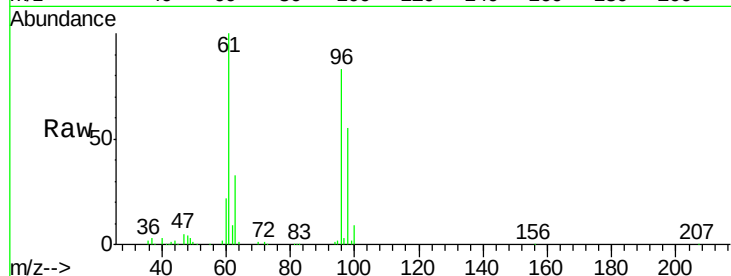
cis-1,2-Dichloroethene
Concen: 49.948 ug/l
RT: 3.45 min Scan# 286
Delta R.T. -0.03 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	174788		
61	121.2	0.0	245.8	
98	67.2	0.0	132.6	

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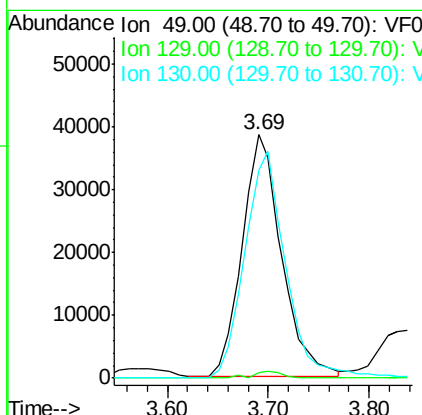
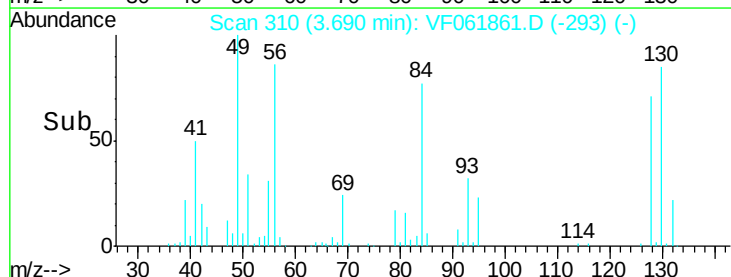
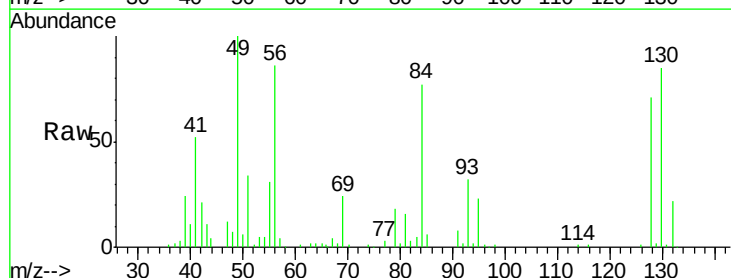
MMDadoda
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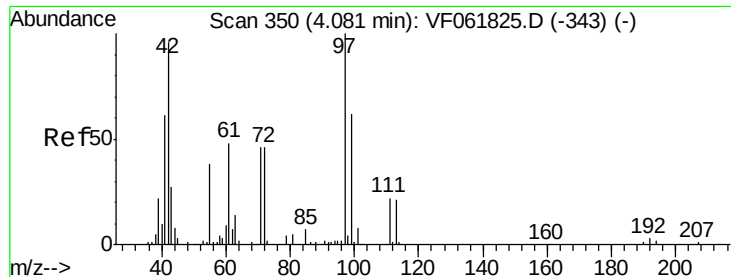


#28

Bromochloromethane
Concen: 52.206 ug/l
RT: 3.69 min Scan# 310
Delta R.T. -0.04 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	104613		
129	2.3	0.0	0.0#	
130	85.1	76.9	115.3	





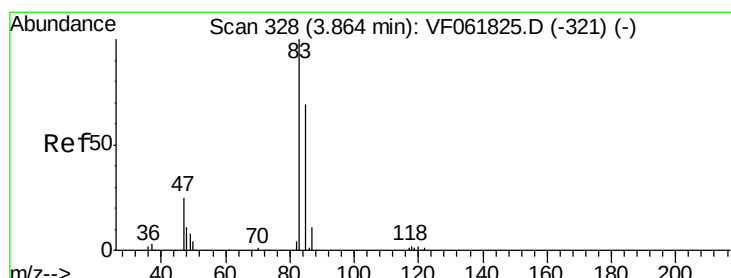
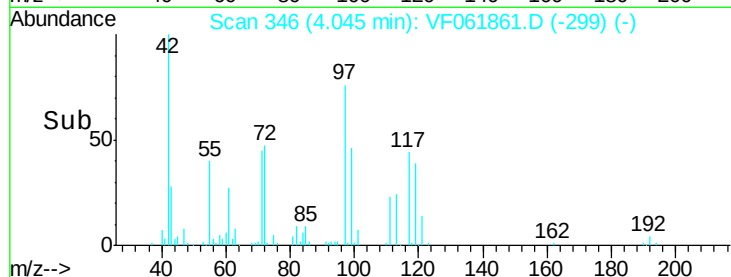
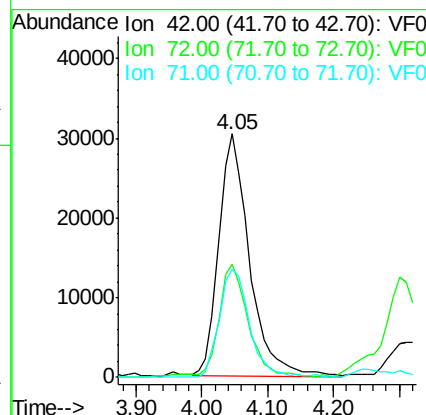
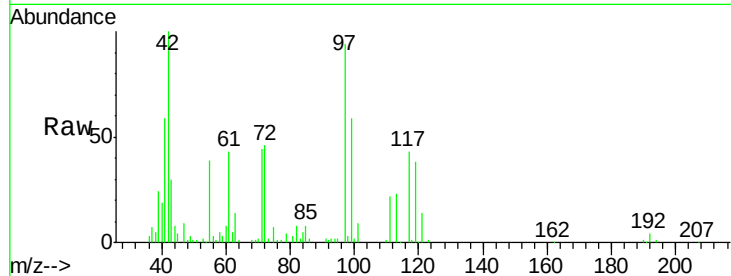
#29
Tetrahydrofuran
Concen: 235.934 ug/l
RT: 4.05 min Scan# 346
Delta R.T. -0.04 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	34.4	51.6
71	43.9	34.6	52.0

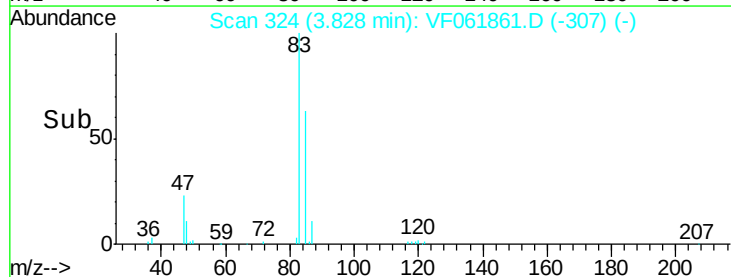
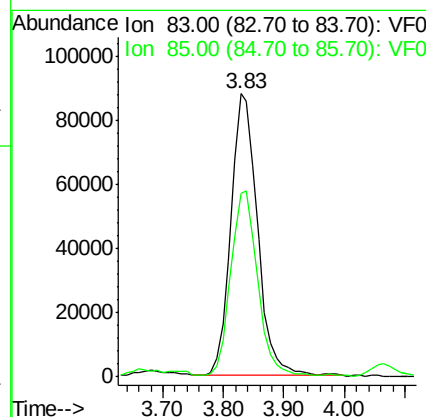
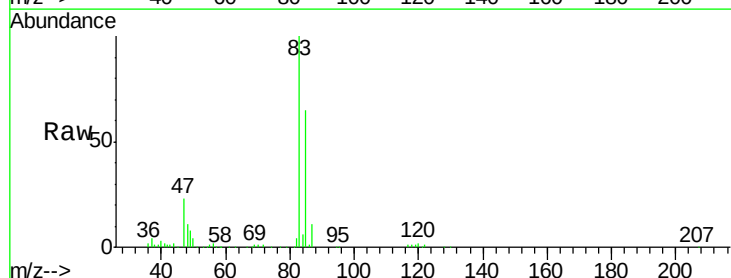
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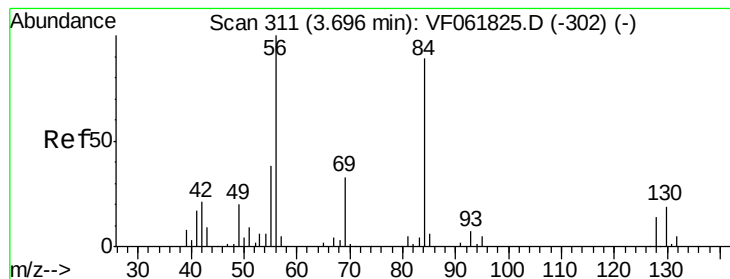
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#30
Chloroform
Concen: 51.226 ug/l
RT: 3.83 min Scan# 324
Delta R.T. -0.04 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	55.3	82.9





#31

Cyclohexane

Concen: 49.661 ug/l

RT: 3.67 min Scan# 308

Delta R.T. -0.03 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

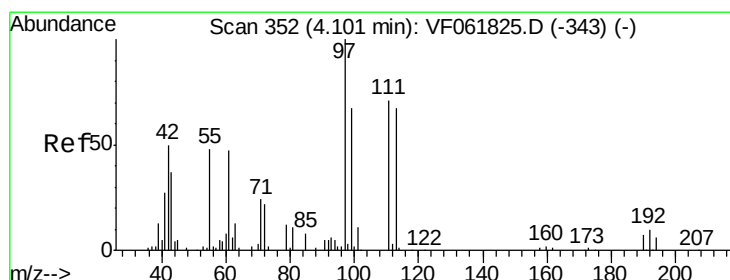
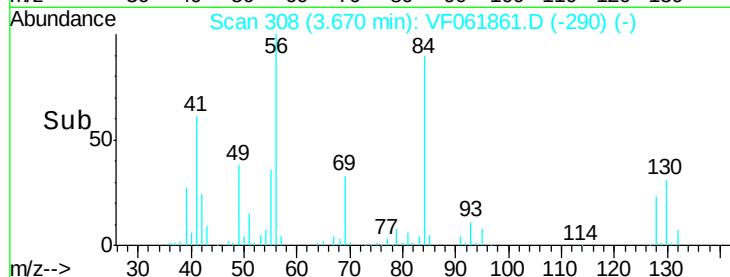
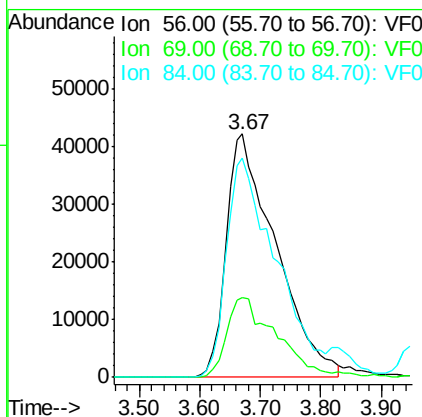
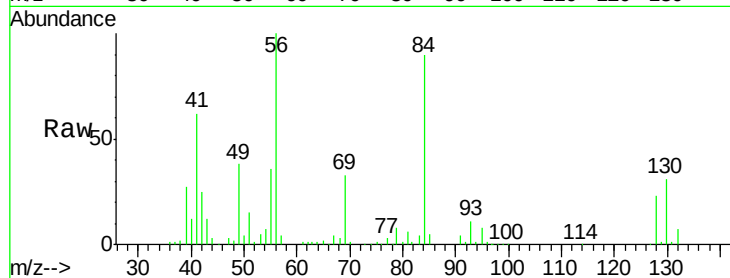
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	239110
Ion Ratio	Lower	Upper	
56	100		
69	32.9	26.0	39.0
84	90.2	71.0	106.6

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#32

1,1,1-Trichloroethane

Concen: 61.520 ug/l

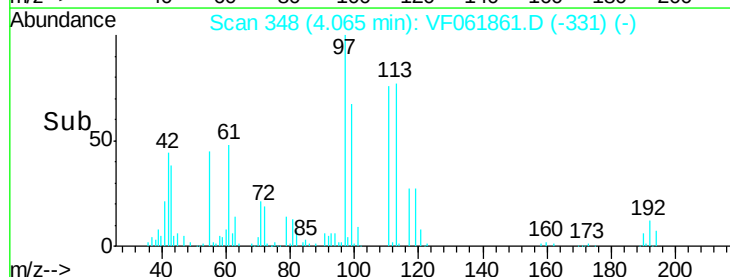
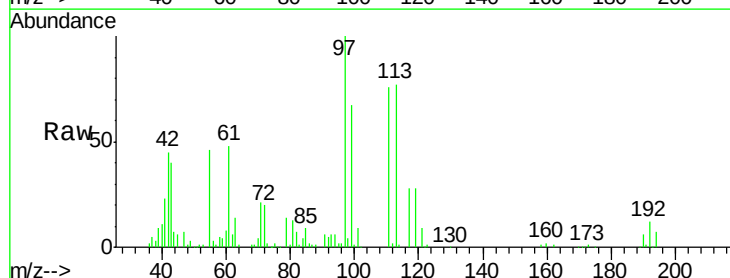
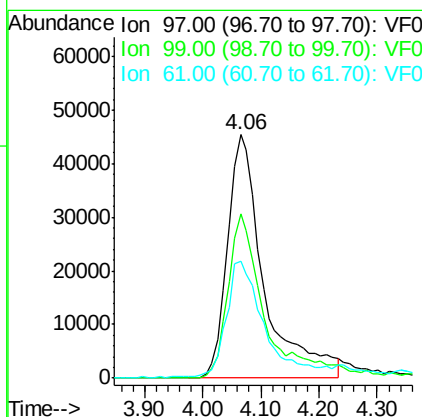
RT: 4.06 min Scan# 348

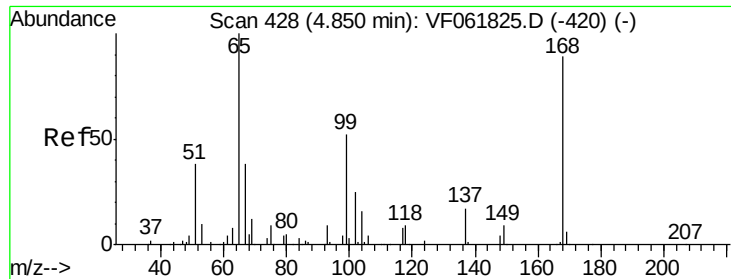
Delta R.T. -0.04 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Tgt Ion:	97	Resp:	199110
Ion Ratio	Lower	Upper	
97	100		
99	67.4	53.8	80.8
61	48.0	37.9	56.9





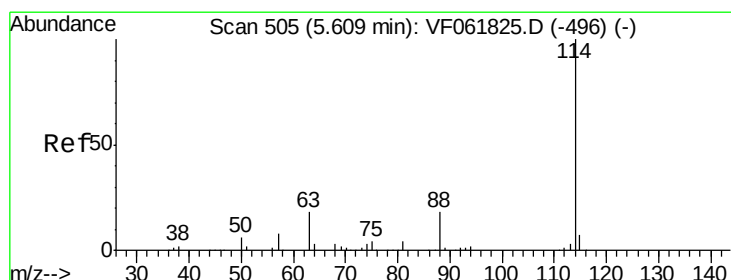
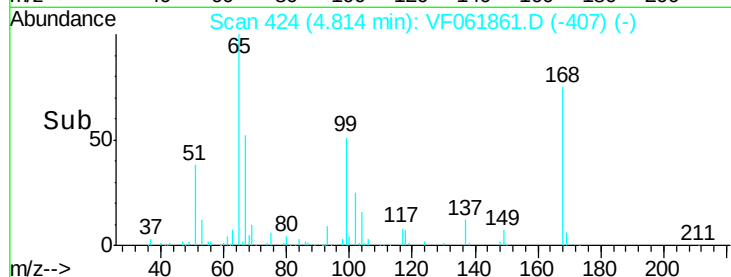
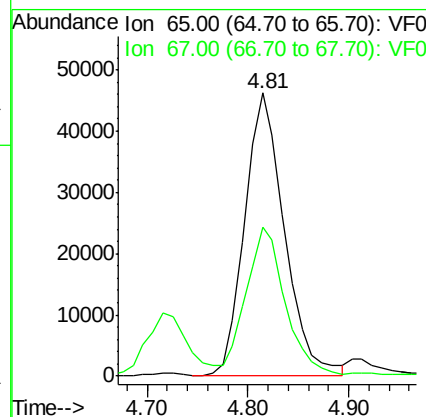
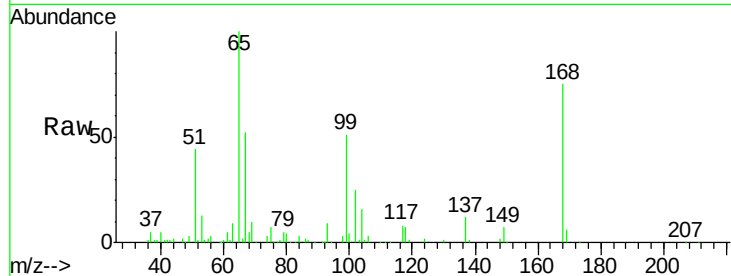
#33
 1,2-Dichloroethane-d4
 Concen: 55.392 ug/l
 RT: 4.81 min Scan# 424
 Delta R.T. -0.04 min
 Lab File: VF061861.D
 Acq: 8 Mar 2019 13:27

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	126585		
67	52.4	0.0	108.6	

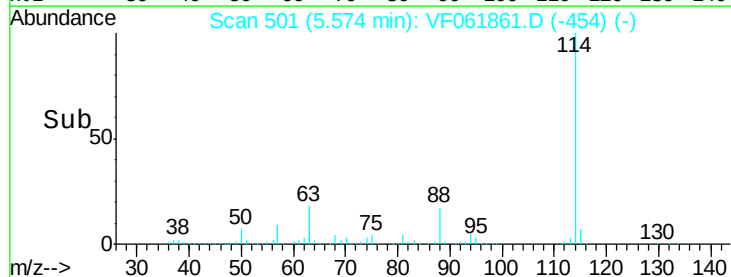
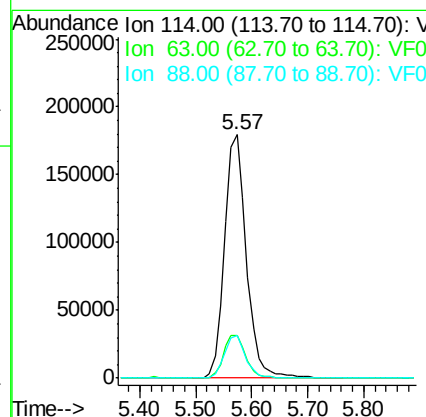
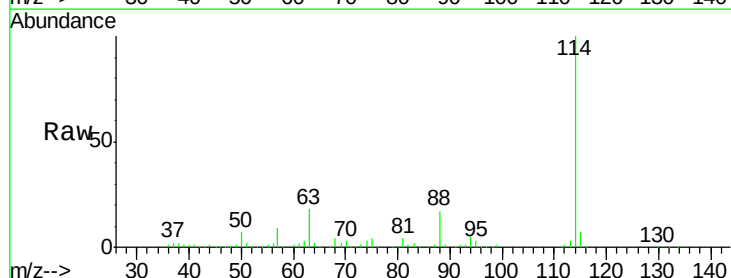
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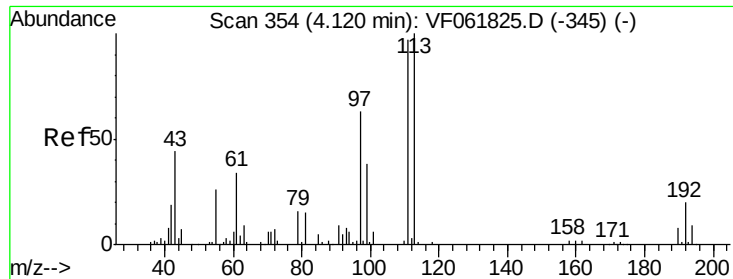
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.57 min Scan# 501
 Delta R.T. -0.04 min
 Lab File: VF061861.D
 Acq: 8 Mar 2019 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	487856		
63	17.5	0.0	35.6	
88	17.5	0.0	35.6	





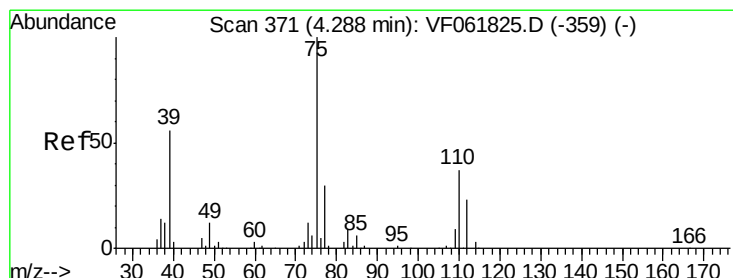
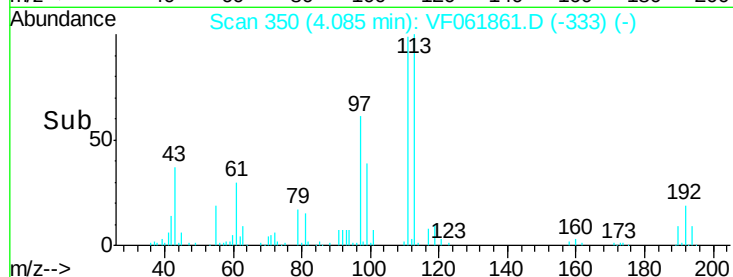
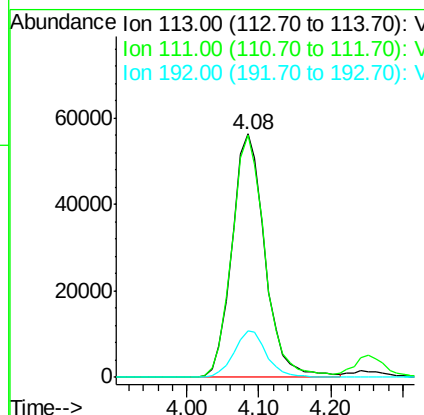
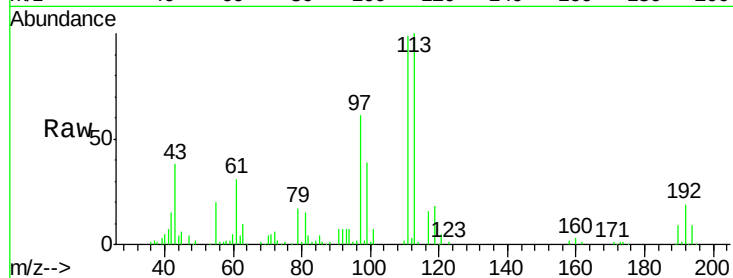
#35
 Dibromofluoromethane
 Concen: 52.666 ug/l
 RT: 4.08 min Scan# 350
 Delta R.T. -0.04 min
 Lab File: VF061861.D
 Acq: 8 Mar 2019 13:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.3	77.6	116.4
192	19.2	15.9	23.9

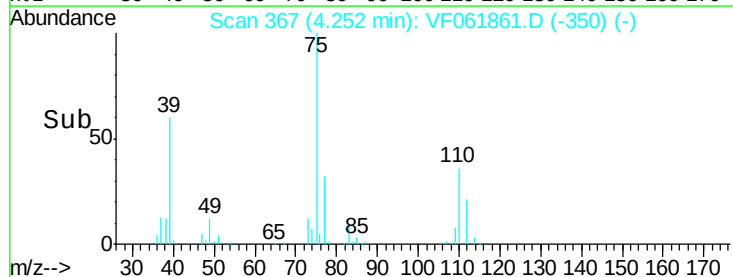
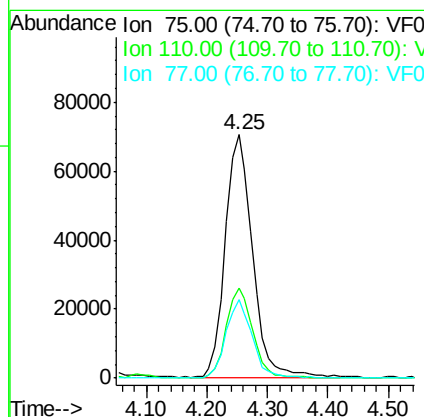
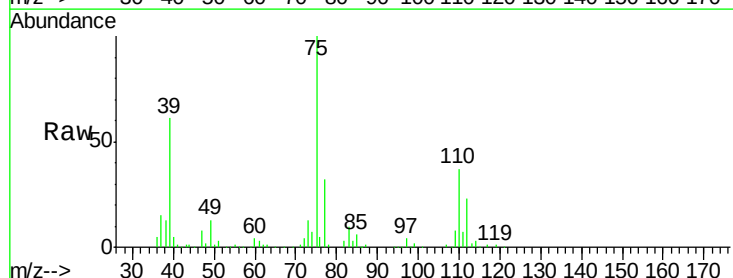
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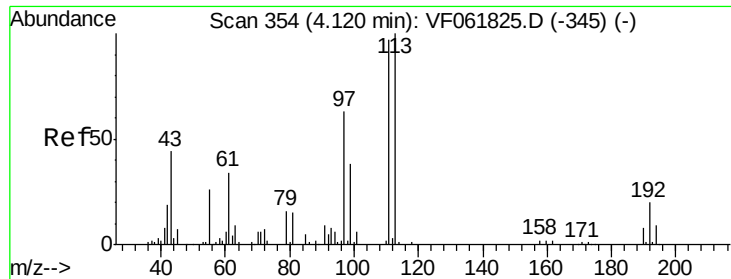
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#36
 1,1-Dichloropropene
 Concen: 47.767 ug/l
 RT: 4.25 min Scan# 367
 Delta R.T. -0.04 min
 Lab File: VF061861.D
 Acq: 8 Mar 2019 13:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.2	18.6	55.6
77	32.0	24.2	36.2





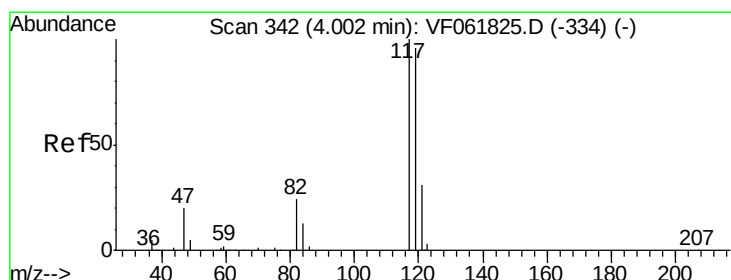
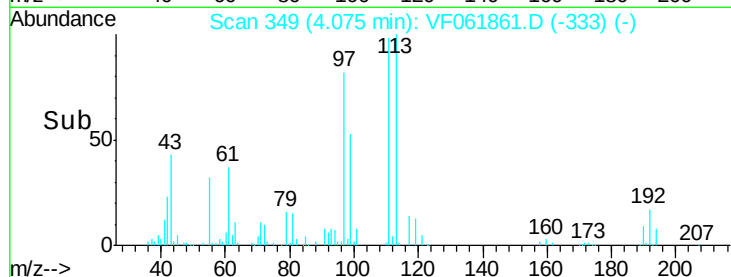
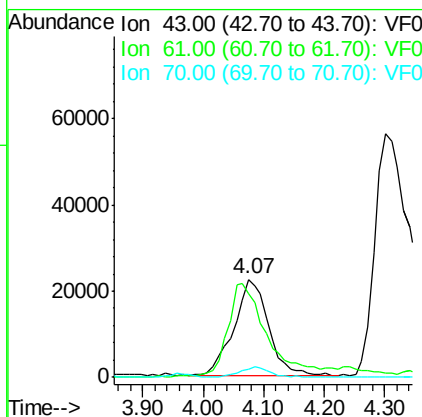
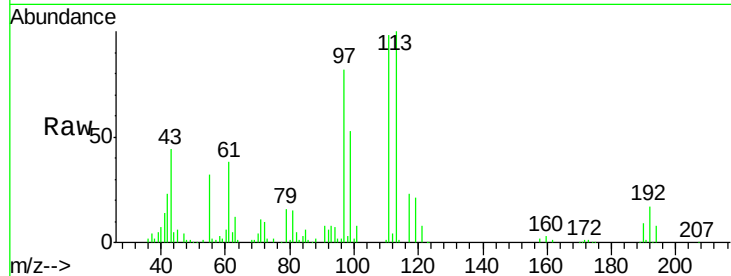
#37
Ethyl Acetate
Concen: 45.486 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.05 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	85.4	60.7	91.1
70	8.8	10.6	15.8

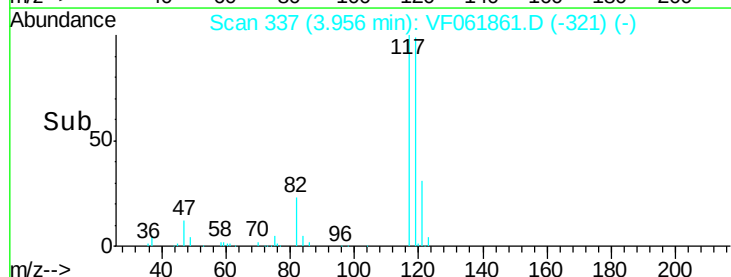
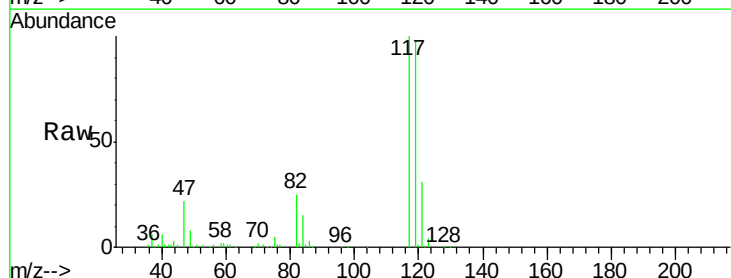
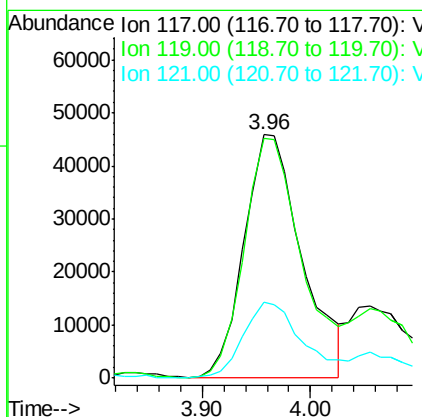
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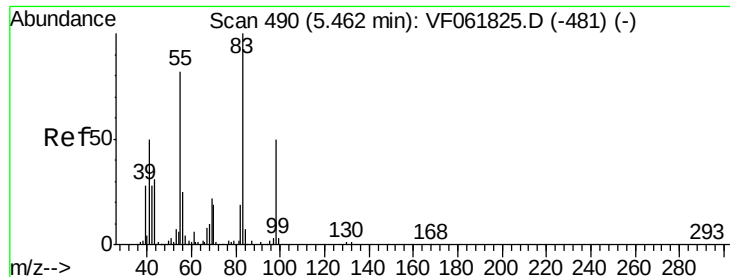
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#38
Carbon Tetrachloride
Concen: 52.516 ug/l
RT: 3.96 min Scan# 337
Delta R.T. -0.05 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.4	76.6	114.8
121	31.3	24.4	36.6





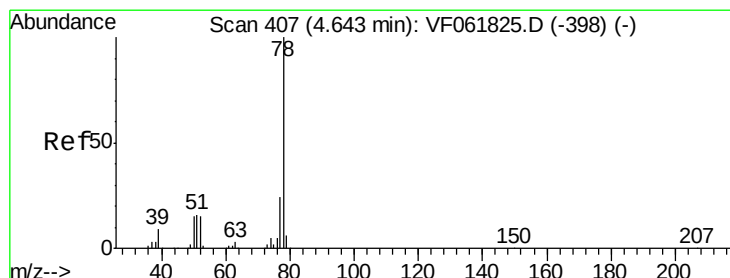
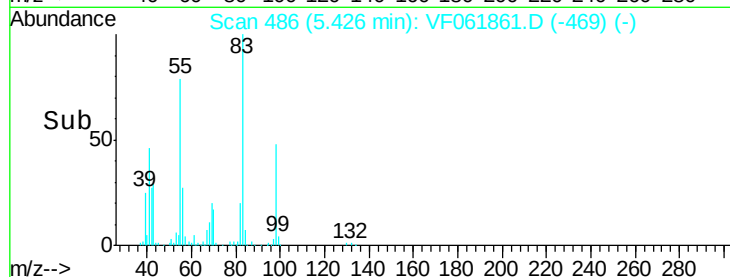
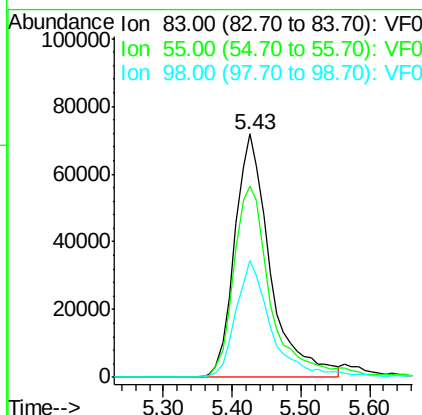
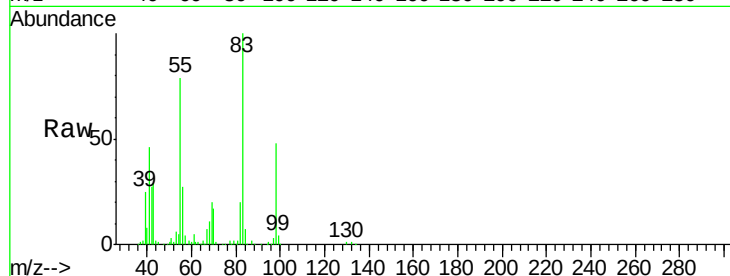
#39
Methylvlcyclohexane
Concen: 47.297 ug/l
RT: 5.43 min Scan# 486
Delta R.T. -0.04 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	257442
Ion Ratio	Lower	Upper	
83	100		
55	78.7	66.0	99.0
98	48.0	39.8	59.6

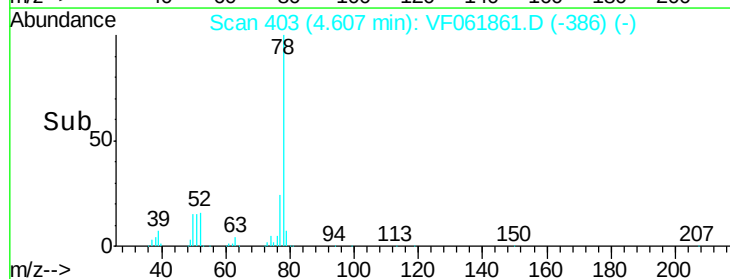
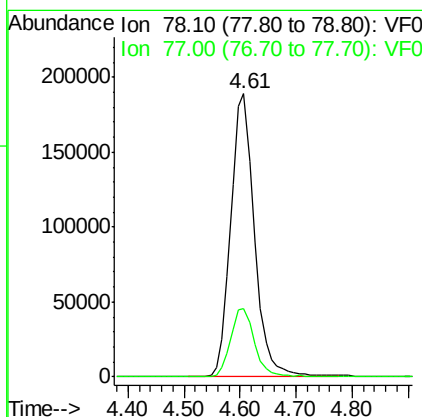
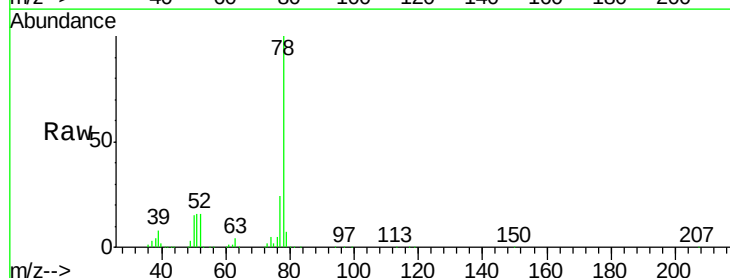
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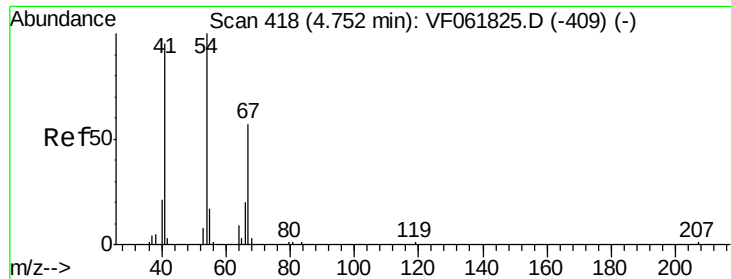
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#40
Benzene
Concen: 46.330 ug/l
RT: 4.61 min Scan# 403
Delta R.T. -0.04 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Tgt Ion	78	Resp	558072
Ion Ratio	Lower	Upper	
78	100		
77	24.3	19.5	29.3





#41

Methacrylonitrile

Concen: 45.199 ug/l

RT: 4.72 min Scan# 414

Delta R.T. -0.04 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

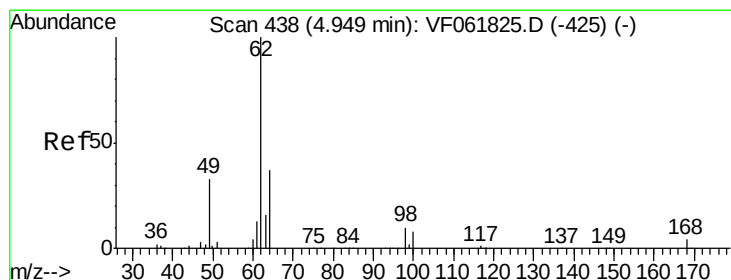
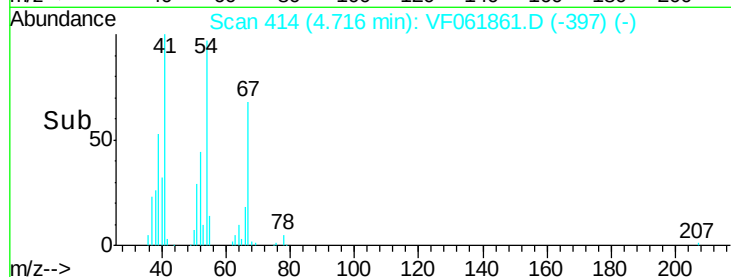
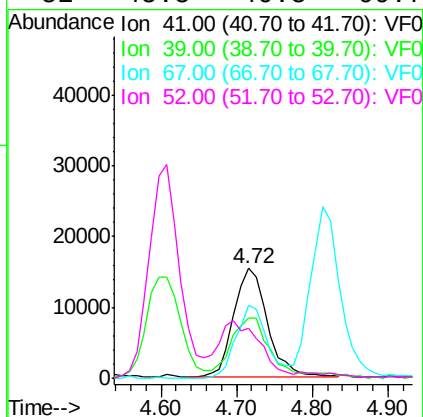
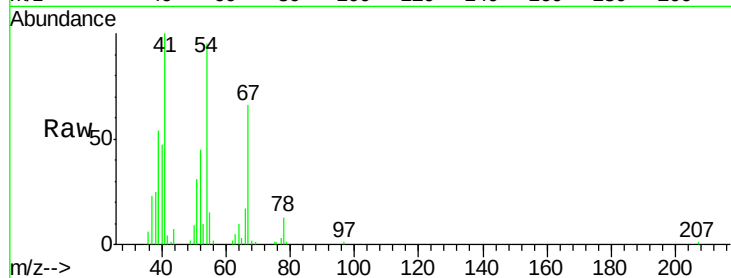
ClientSampleId :

VSTDCCC050

Tot Ion	41	Resp	47900
Ion Ratio	Lower	Upper	
41	100		
39	54.3	43.0	64.6
67	66.3	47.8	71.8
52	45.5	40.5	60.7

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#42

1,2-Dichloroethane

Concen: 46.081 ug/l

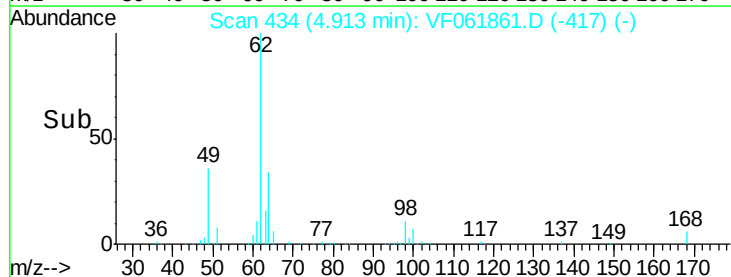
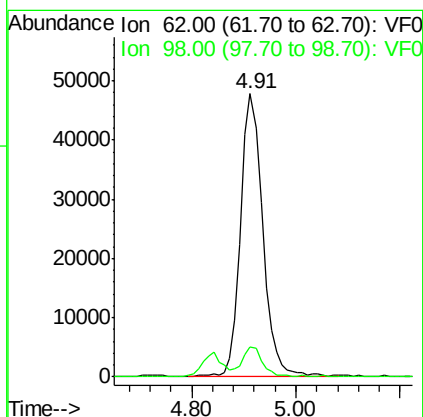
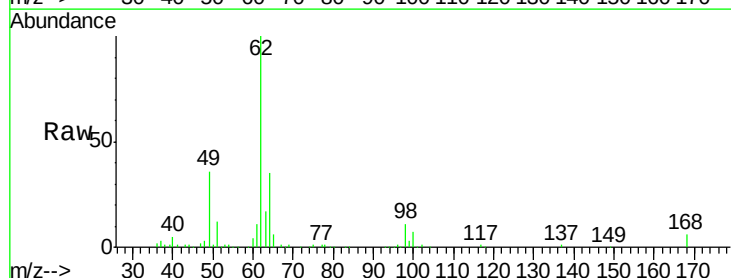
RT: 4.91 min Scan# 434

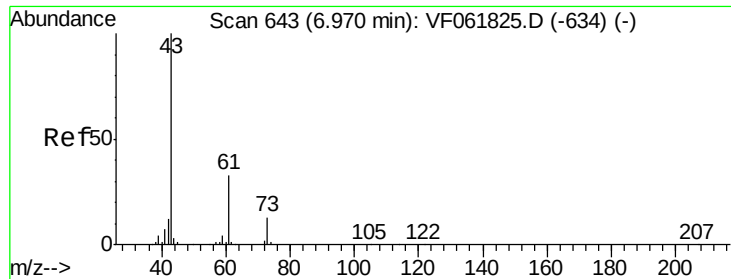
Delta R.T. -0.04 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Tgt Ion	62	Resp	138330
Ion Ratio	Lower	Upper	
62	100		
98	10.7	0.0	21.0





#43

Isopropyl Acetate

Concen: 43.031 ug/l

RT: 6.93 min Scan# 639

Delta R.T. -0.04 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

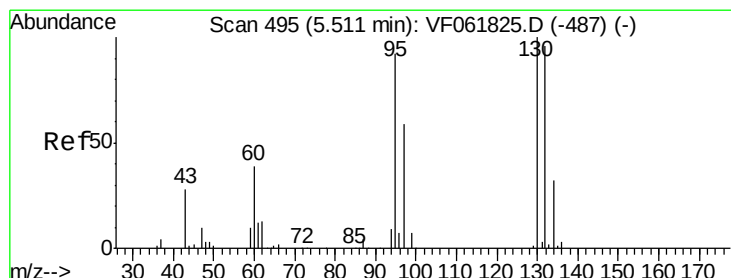
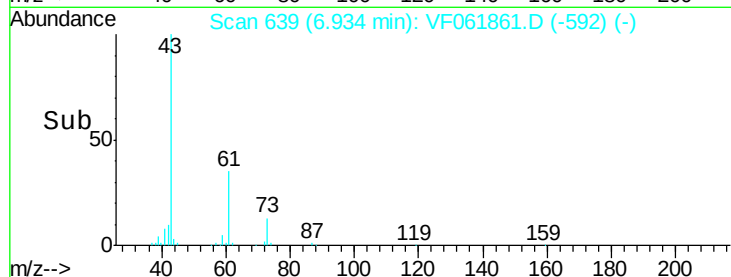
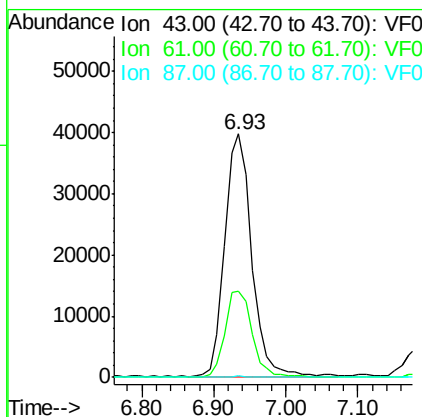
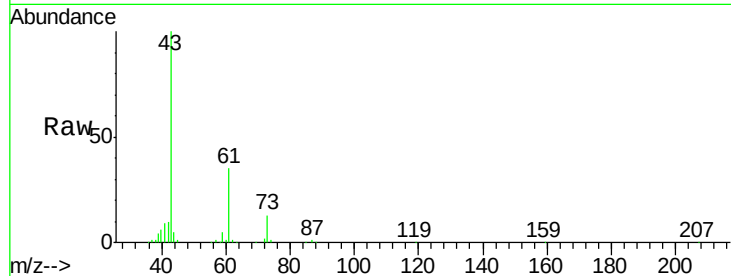
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	102599
Ion Ratio	Lower	Upper	
43	100		
61	35.1	26.1	39.1
87	0.7	0.0	0.0#

Manual Integrations
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#44

Trichloroethene

Concen: 46.416 ug/l

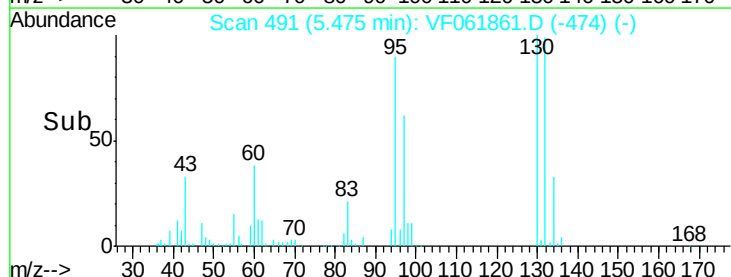
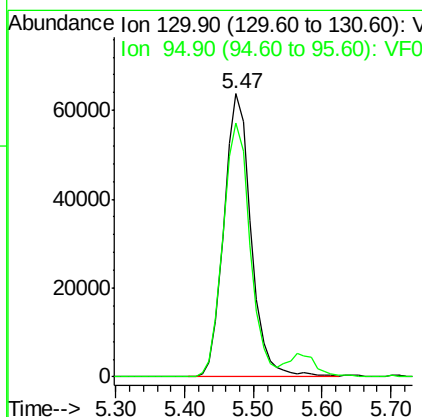
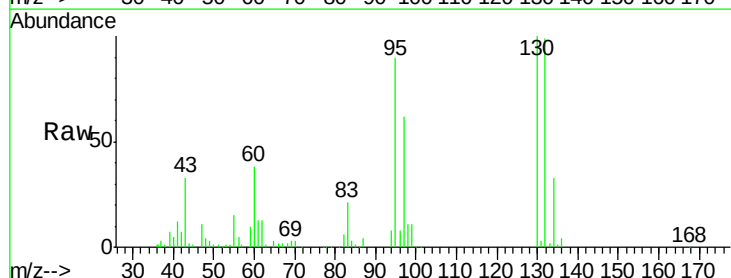
RT: 5.47 min Scan# 491

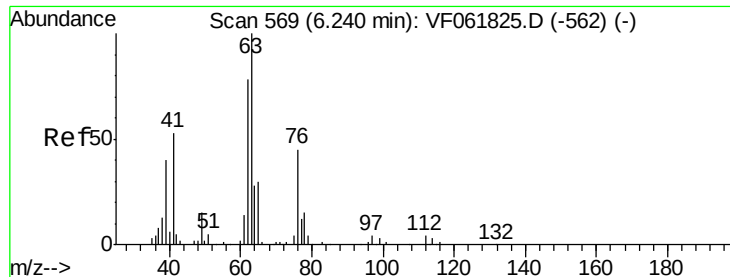
Delta R.T. -0.04 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Tgt Ion:	130	Resp:	173754
Ion Ratio	Lower	Upper	
130	100		
95	89.6	0.0	184.0





#45

1,2-Dichloropropane

Concen: 46.625 ug/l

RT: 6.20 min Scan# 565

Delta R.T. -0.04 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 13352

Ion Ratio Lower Upper

63 100

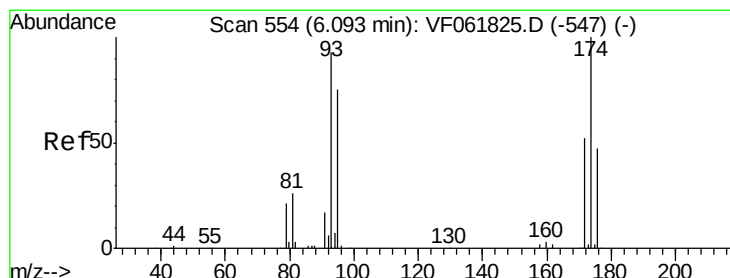
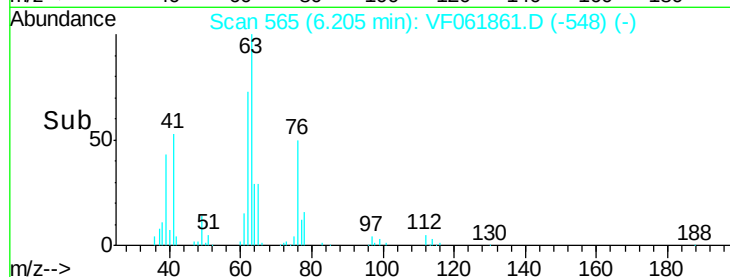
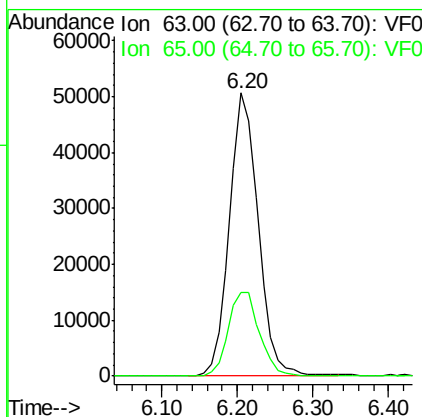
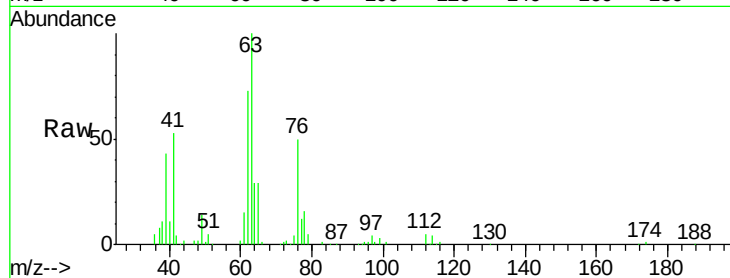
65 29.4 24.0 36.0

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#46

Dibromomethane

Concen: 45.437 ug/l

RT: 6.06 min Scan# 550

Delta R.T. -0.04 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

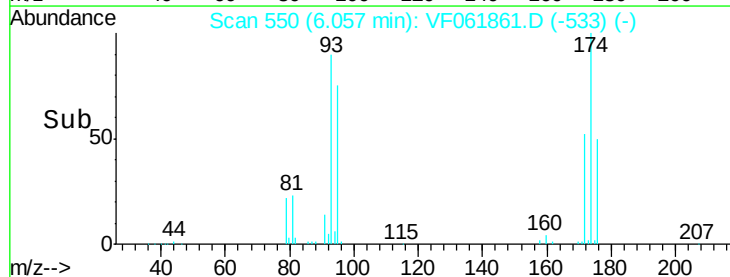
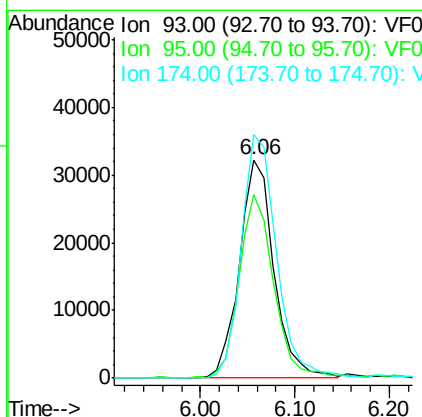
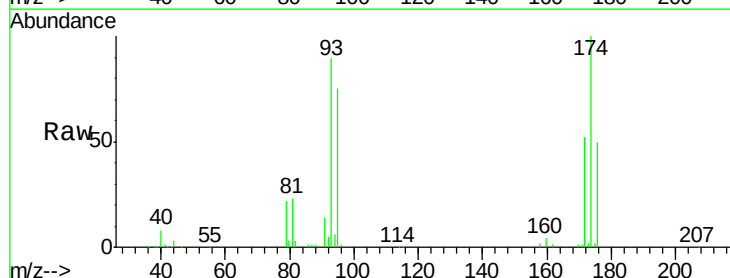
Tgt Ion: 93 Resp: 81910

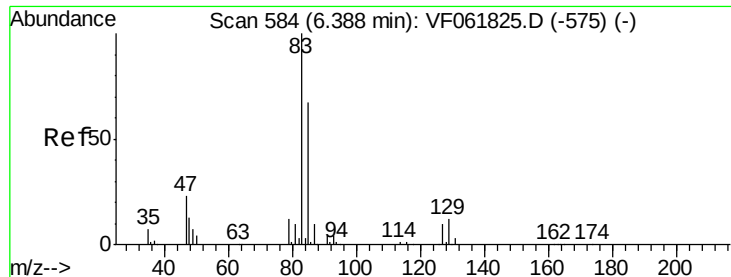
Ion Ratio Lower Upper

93 100

95 84.2 64.4 96.6

174 111.7 85.8 128.6





#47

Bromodichloromethane

Concen: 47.205 ug/l

RT: 6.35 min Scan# 580

Delta R.T. -0.04 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

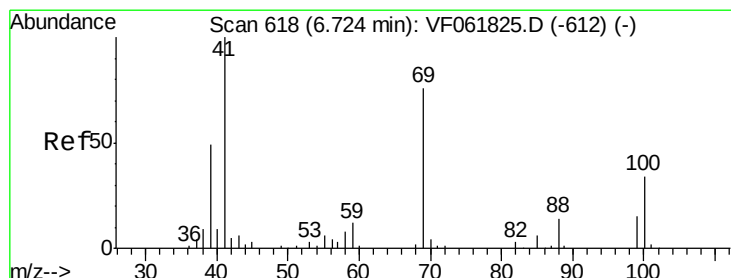
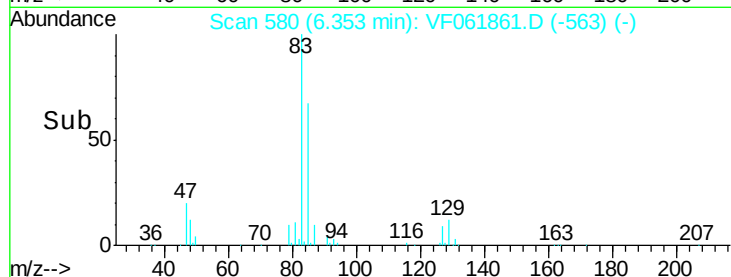
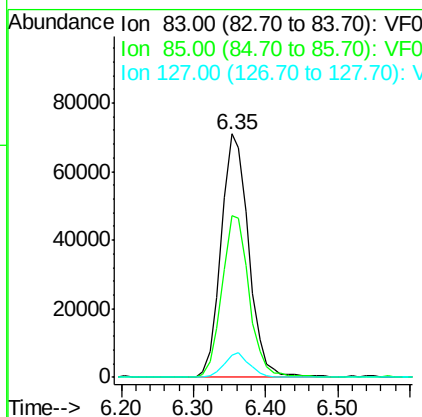
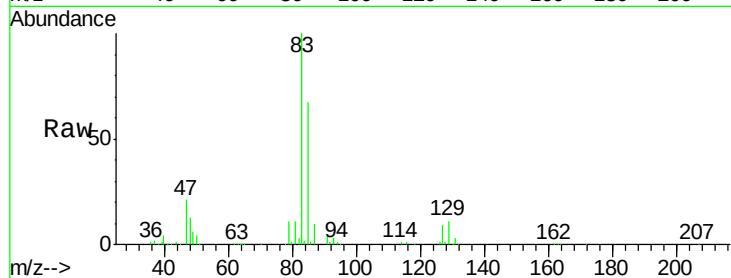
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	188004
Ion Ratio	Lower	Upper	
83	100		
85	66.6	53.6	80.4
127	9.0	8.1	12.1

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#48

Methyl methacrylate

Concen: 44.921 ug/l

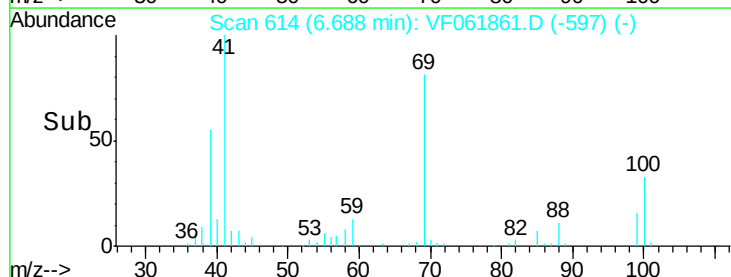
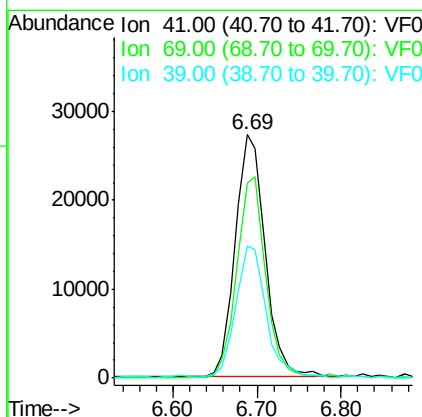
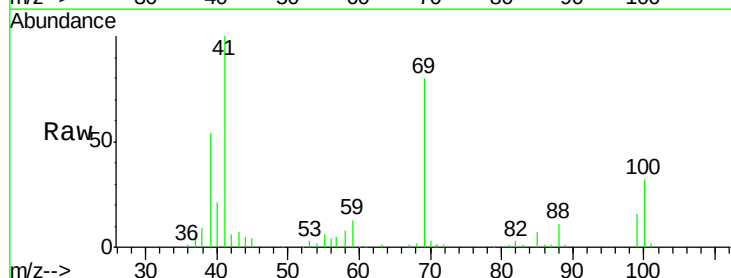
RT: 6.69 min Scan# 614

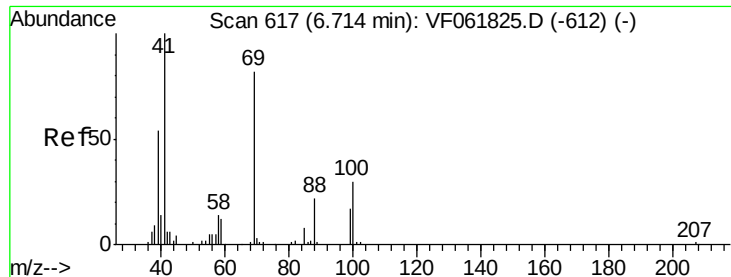
Delta R.T. -0.04 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Tgt Ion:	41	Resp:	67785
Ion Ratio	Lower	Upper	
41	100		
69	80.1	60.4	90.6
39	54.2	39.7	59.5





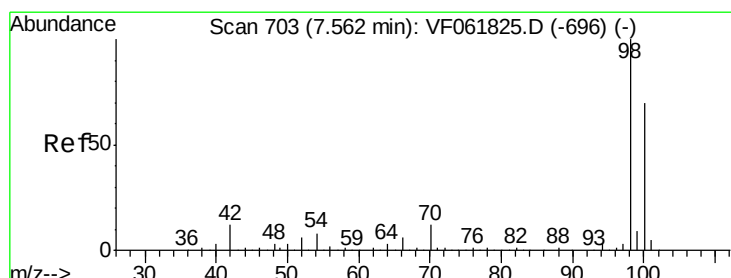
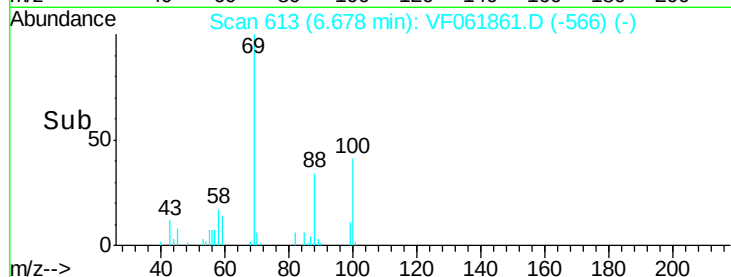
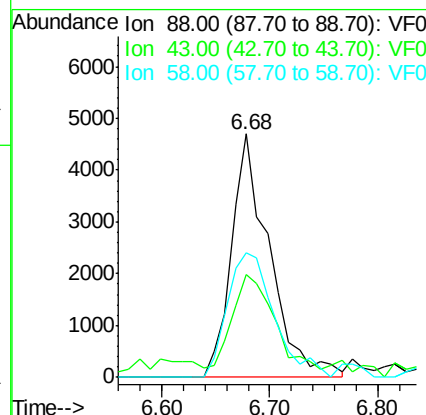
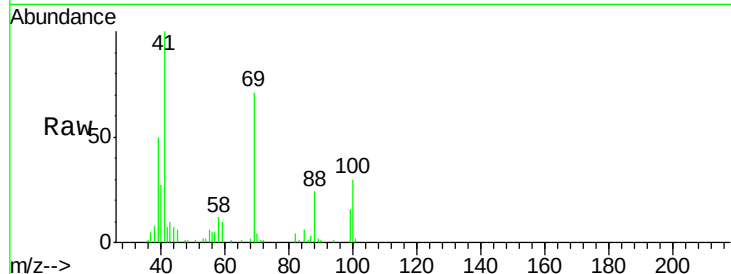
#49
1,4-Dioxane
Concen: 829.910 ug/l
RT: 6.68 min Scan# 613
Delta R.T. -0.04 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	42.1	28.4	42.6	
58	51.2	50.7	76.1	

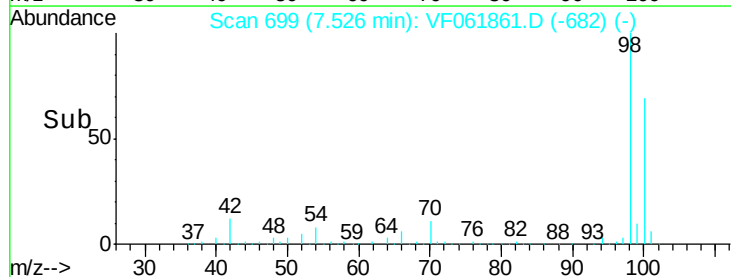
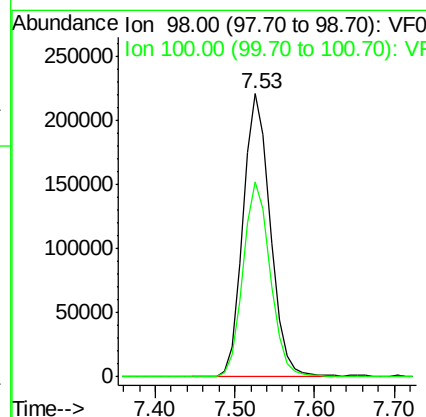
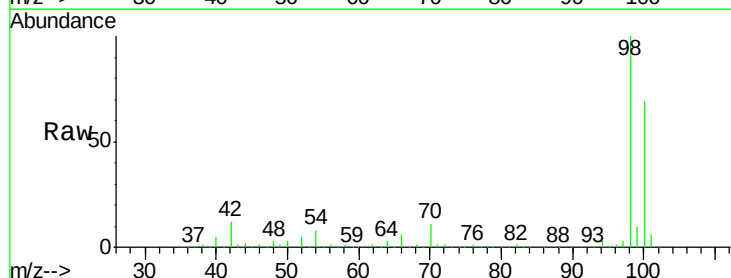
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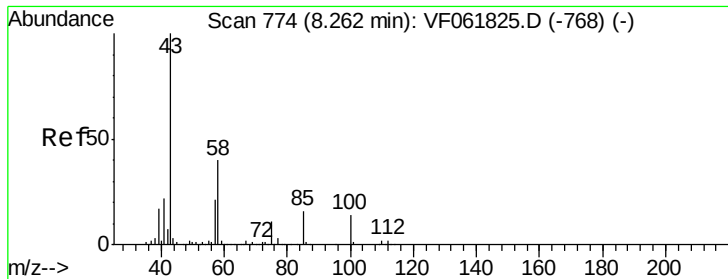
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#50
Toluene-d8
Concen: 51.719 ug/l
RT: 7.53 min Scan# 699
Delta R.T. -0.04 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	68.8	56.0	84.0	





#51

4-Methyl-2-Pentanone

Concen: 220.220 ug/l

RT: 8.23 min Scan# 770

Delta R.T. -0.04 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 362898

Ion Ratio Lower Upper

43 100

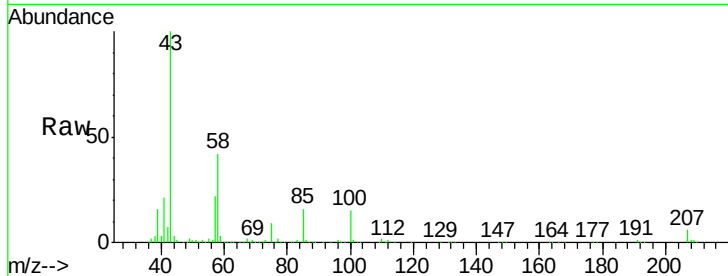
58 41.8 31.8 47.8

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

150000

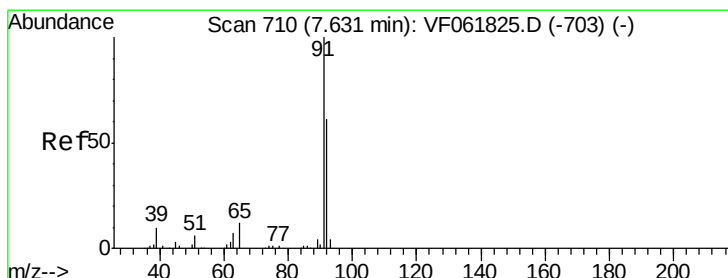
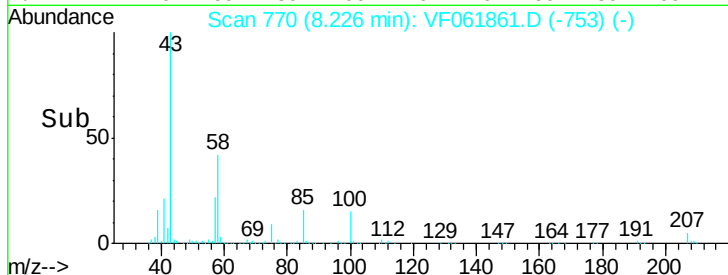
100000

50000

0

8.10 8.20 8.30 8.40

Time-->



#52

Toluene

Concen: 45.589 ug/l

RT: 7.60 min Scan# 706

Delta R.T. -0.04 min

Lab File: VF061861.D

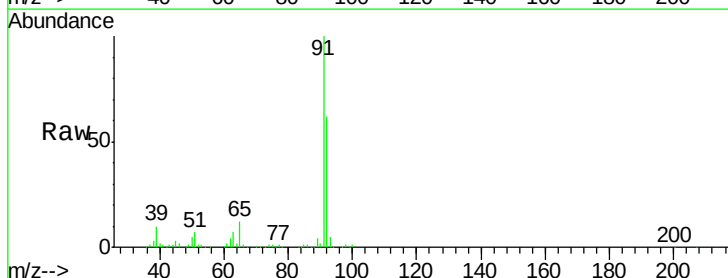
Acq: 8 Mar 2019 13:27

Tgt Ion: 92 Resp: 324866

Ion Ratio Lower Upper

92 100

91 160.7 132.0 198.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

250000

200000

150000

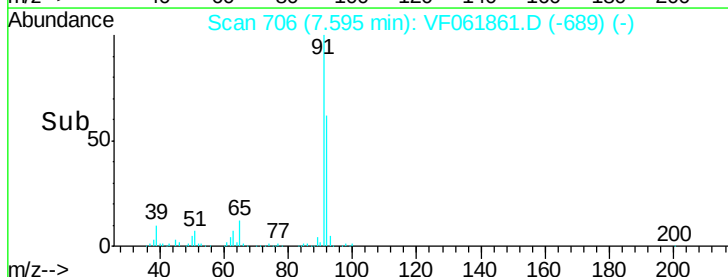
100000

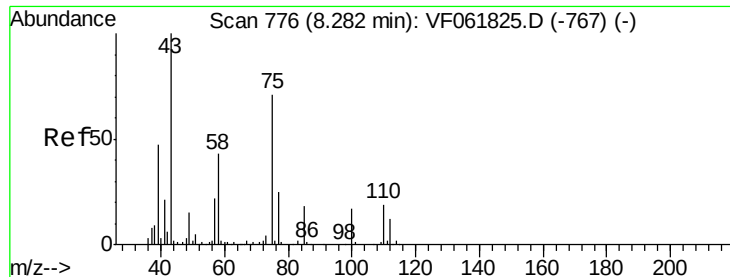
50000

0

7.50 7.60 7.70

Time-->





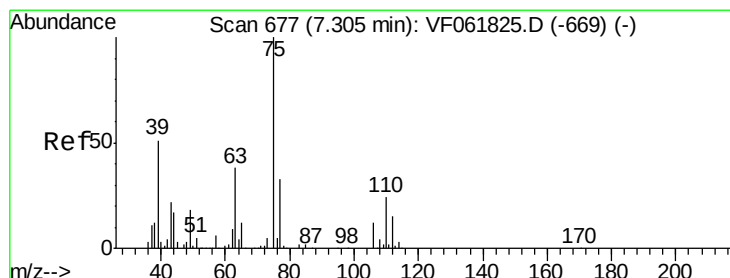
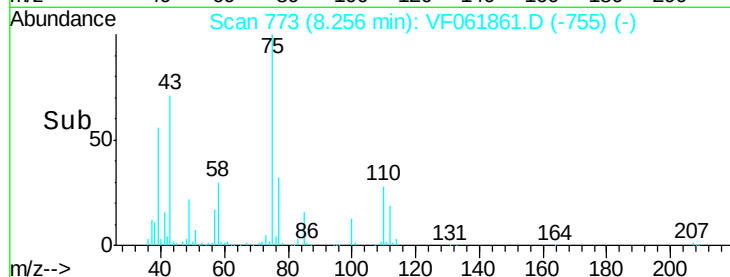
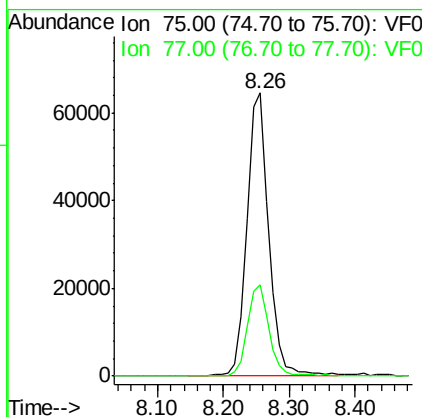
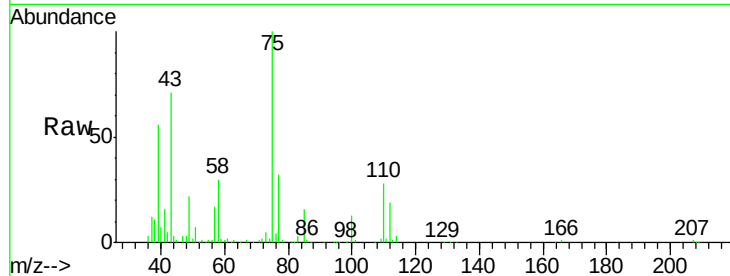
#53
 t-1,3-Dichloropropene
 Concen: 46.023 ug/l
 RT: 8.26 min Scan# 773
 Delta R.T. -0.03 min
 Lab File: VF061861.D
 Acq: 8 Mar 2019 13:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	28.0	42.0

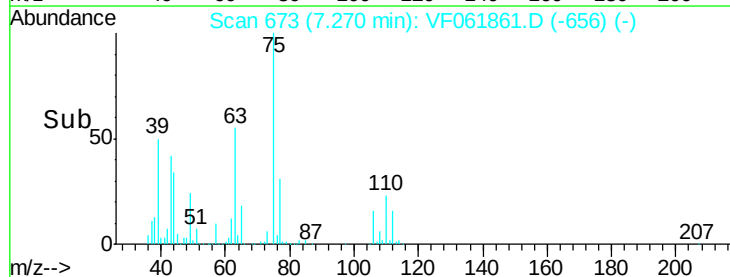
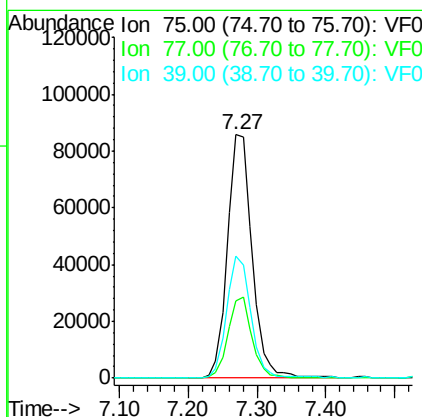
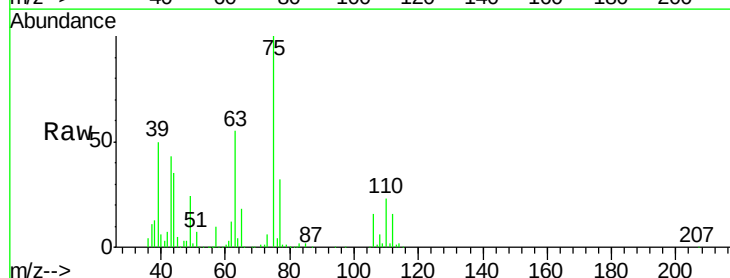
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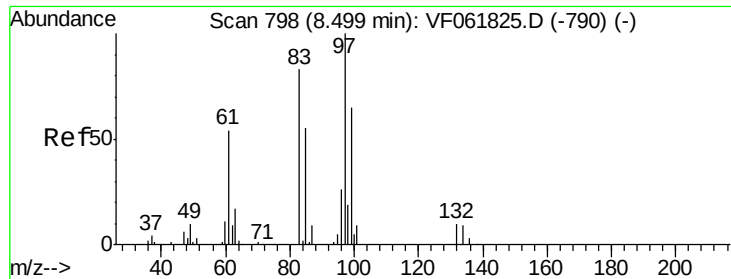
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#54
 cis-1,3-Dichloropropene
 Concen: 47.129 ug/l
 RT: 7.27 min Scan# 673
 Delta R.T. -0.04 min
 Lab File: VF061861.D
 Acq: 8 Mar 2019 13:27

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	26.3	39.5
39	49.9	40.8	61.2





#55

1,1,2-Trichloroethane

Concen: 45.535 ug/l

RT: 8.46 min Scan# 794

Delta R.T. -0.04 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

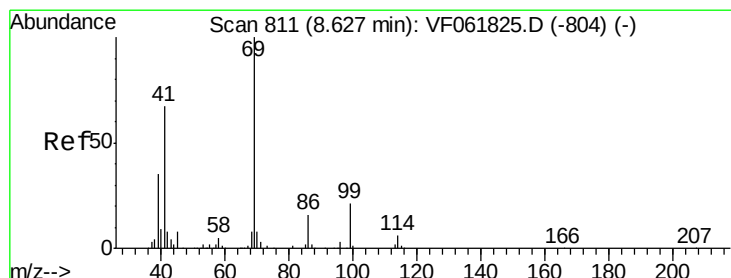
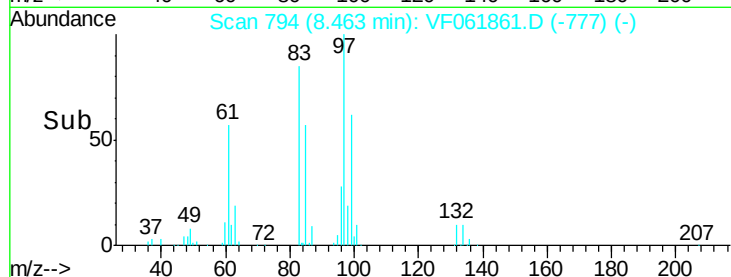
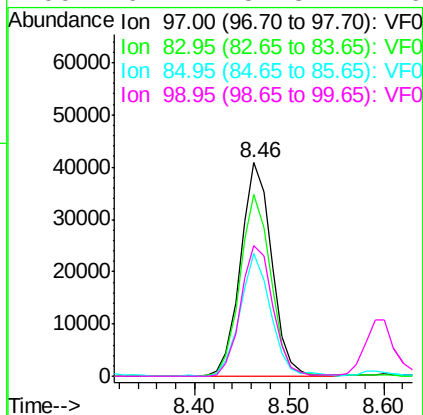
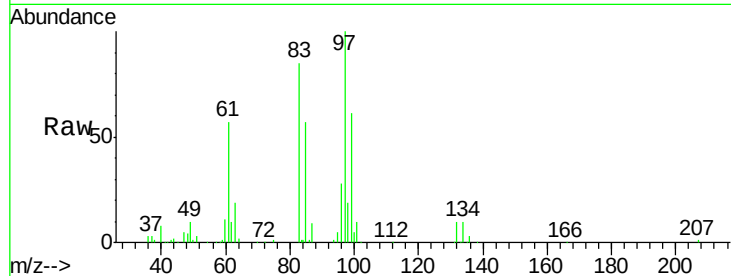
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	93490
Ion	Ratio	Lower	Upper
97	100		
83	85.2	66.5	99.7
85	57.3	44.2	66.2
99	61.4	51.8	77.6

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#56

Ethyl methacrylate

Concen: 48.624 ug/l

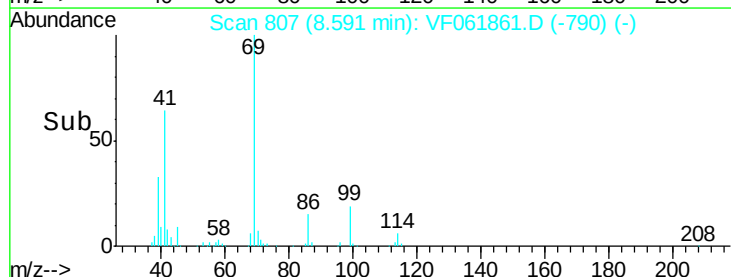
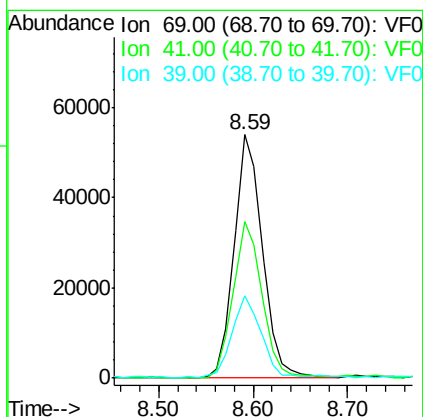
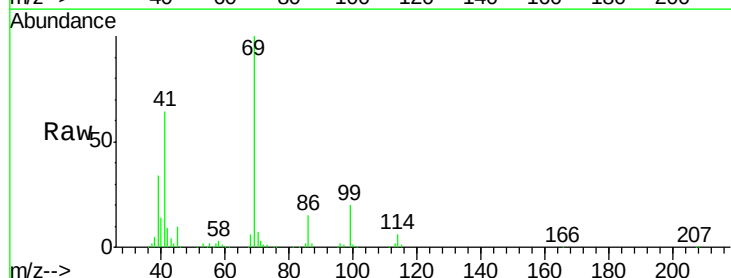
RT: 8.59 min Scan# 807

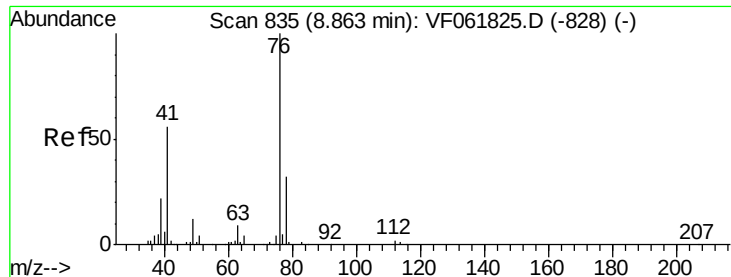
Delta R.T. -0.04 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Tgt Ion:	69	Resp:	112511
Ion	Ratio	Lower	Upper
69	100		
41	64.4	53.9	80.9
39	33.8	28.3	42.5





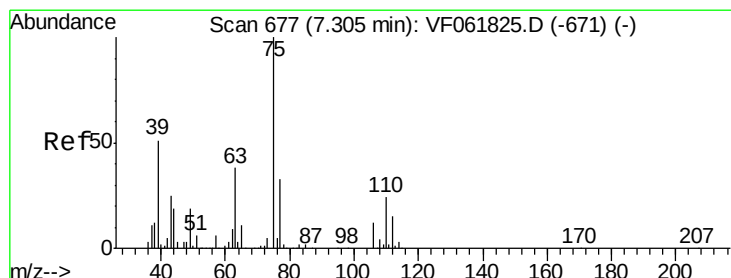
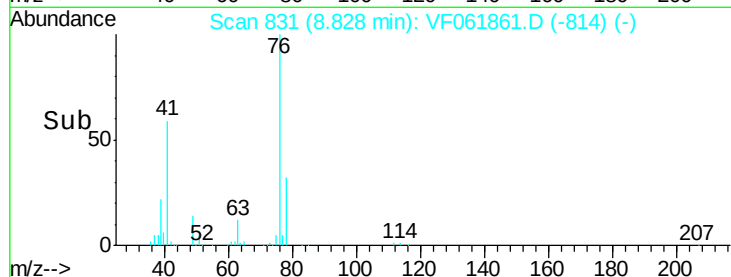
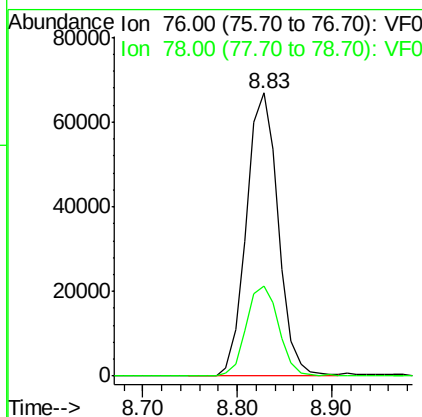
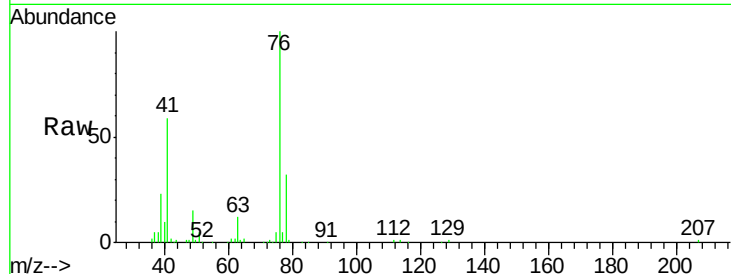
#57
 1,3-Dichloropropane
 Concen: 46.577 ug/l
 RT: 8.83 min Scan# 831
 Delta R.T. -0.04 min
 Lab File: VF061861.D
 Acq: 8 Mar 2019 13:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 156393
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.4 38.2

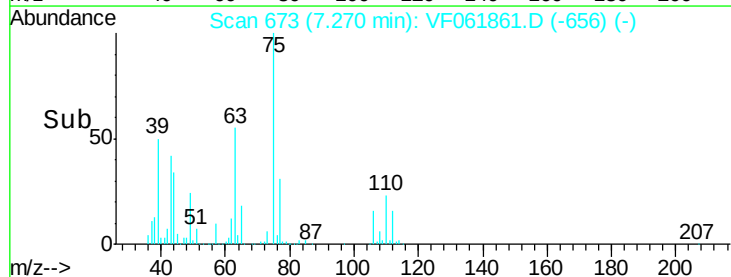
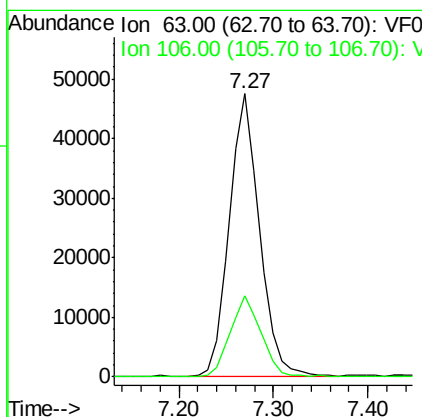
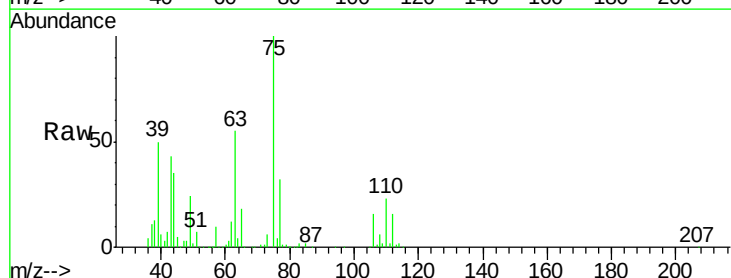
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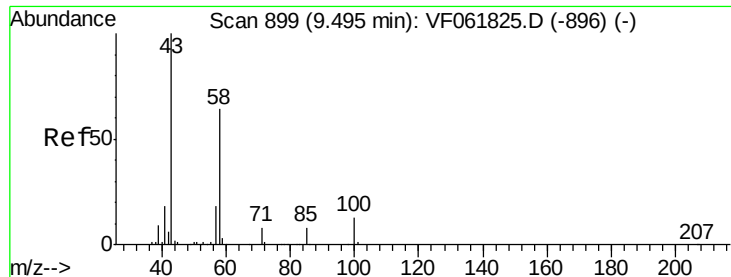
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#58
 2-Chloroethyl Vinyl ether
 Concen: 288.372 ug/l
 RT: 7.27 min Scan# 673
 Delta R.T. -0.04 min
 Lab File: VF061861.D
 Acq: 8 Mar 2019 13:27

Tgt Ion: 63 Resp: 105555
 Ion Ratio Lower Upper
 63 100
 106 28.7 24.3 36.5





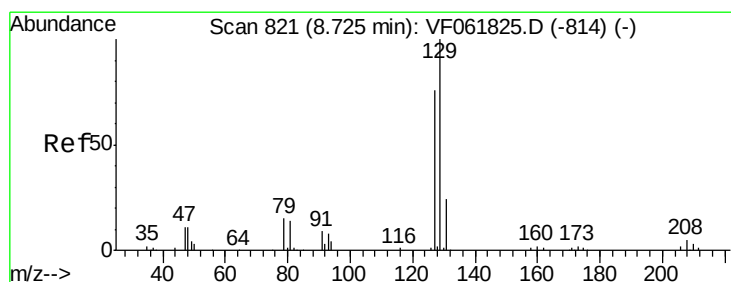
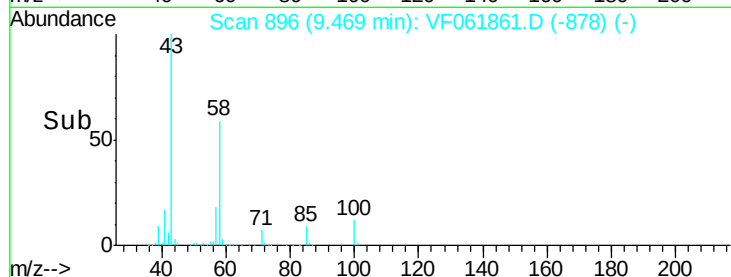
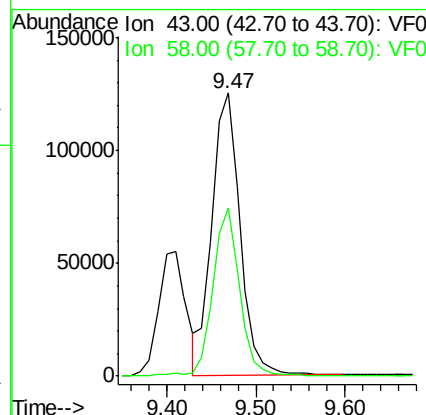
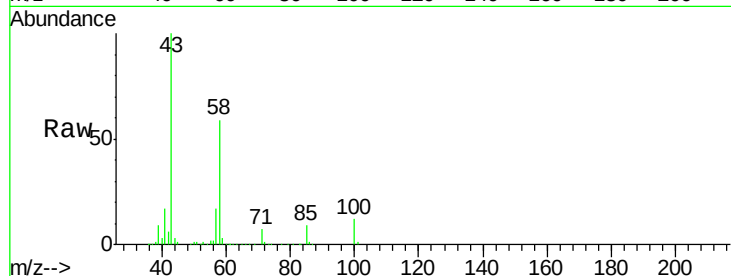
#59
2-Hexanone
Concen: 230.215 ug/l
RT: 9.47 min Scan# 896
Delta R.T. -0.03 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 273682
Ion Ratio Lower Upper
43 100
58 59.3 28.8 86.4

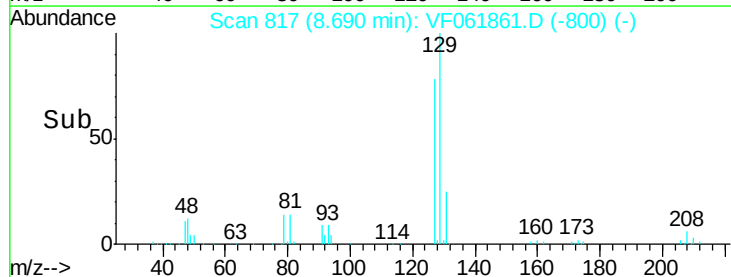
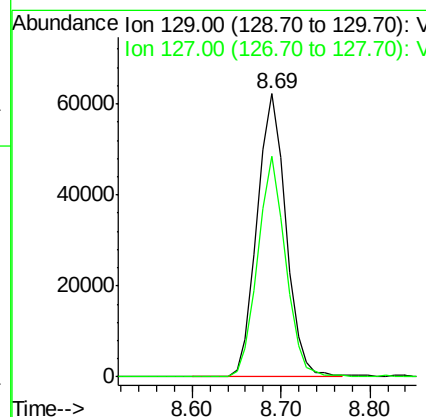
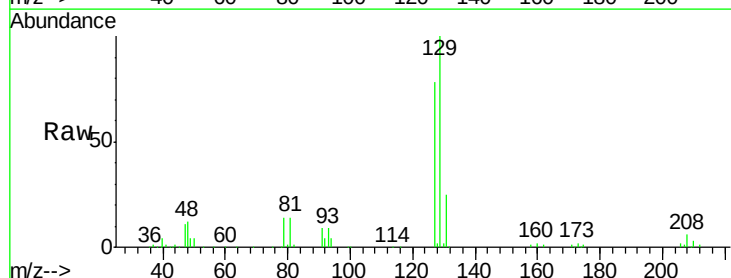
Manual Integrations
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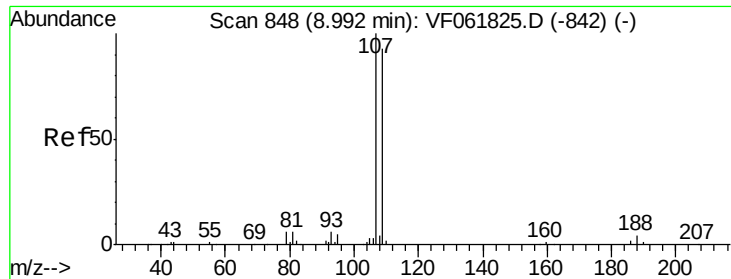
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#60
Dibromochloromethane
Concen: 47.540 ug/l
RT: 8.69 min Scan# 817
Delta R.T. -0.04 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Tgt Ion: 129 Resp: 139114
Ion Ratio Lower Upper
129 100
127 77.9 38.2 114.6





#61

1,2-Dibromoethane

Concen: 46.382 ug/l

RT: 8.96 min Scan# 844

Delta R.T. -0.04 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 104721

Ion Ratio Lower Upper

107 100

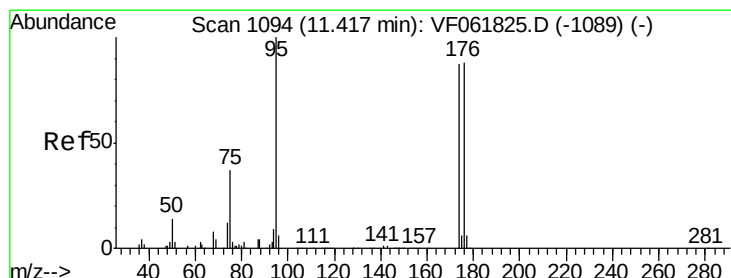
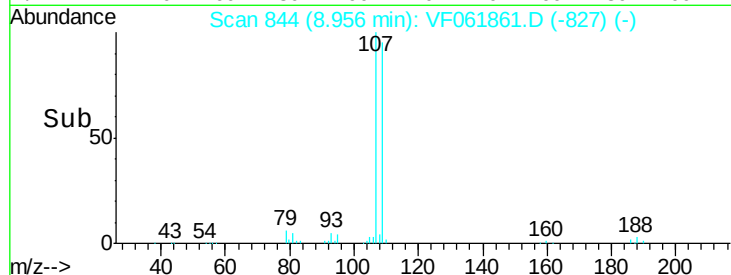
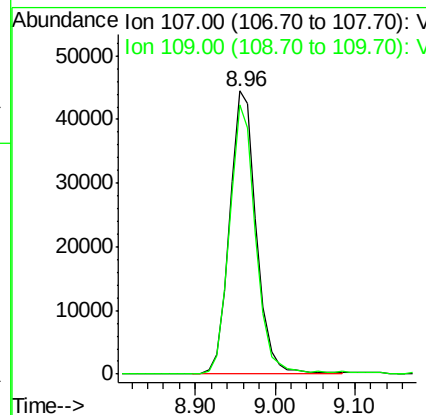
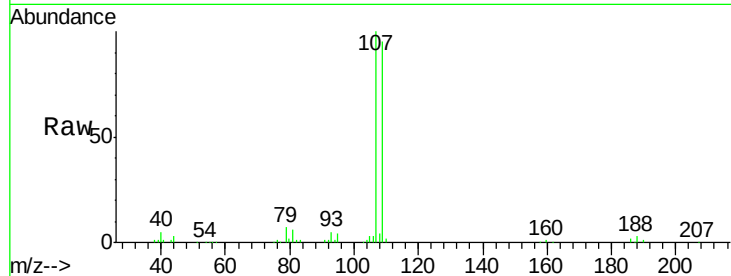
109 95.1 74.6 112.0

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#62

4-Bromofluorobenzene

Concen: 51.277 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.03 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

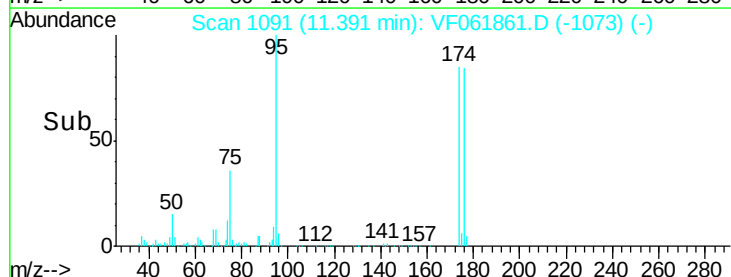
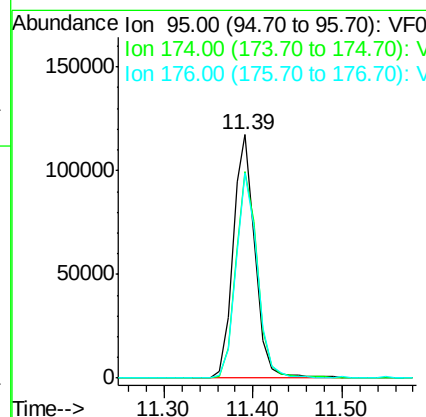
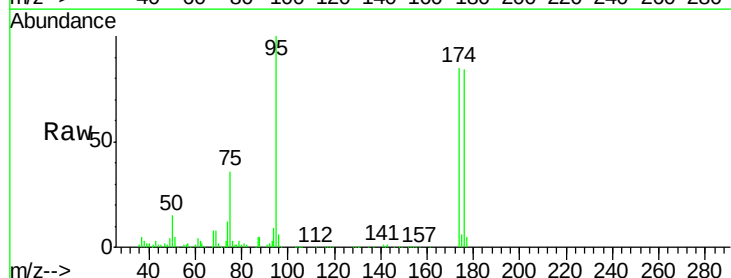
Tgt Ion: 95 Resp: 203264

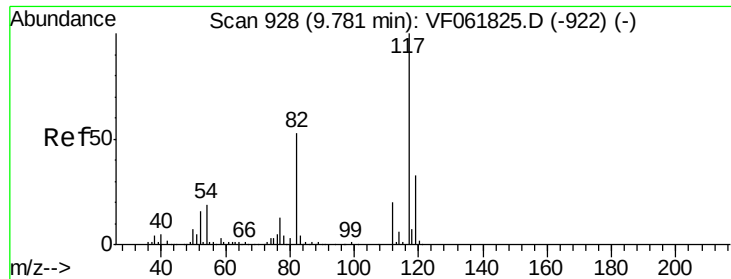
Ion Ratio Lower Upper

95 100

174 84.7 0.0 174.0

176 84.5 0.0 175.2





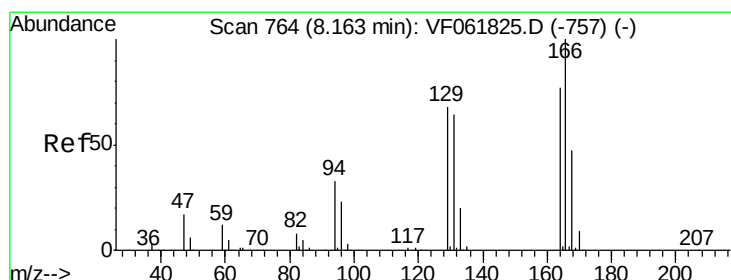
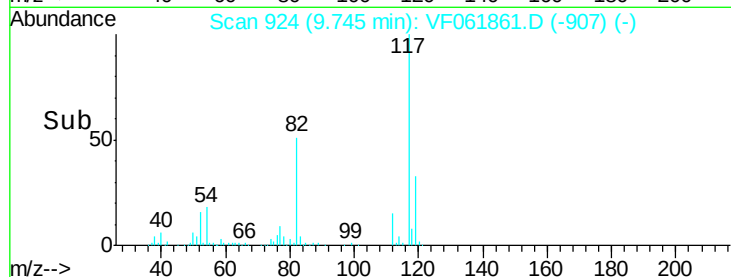
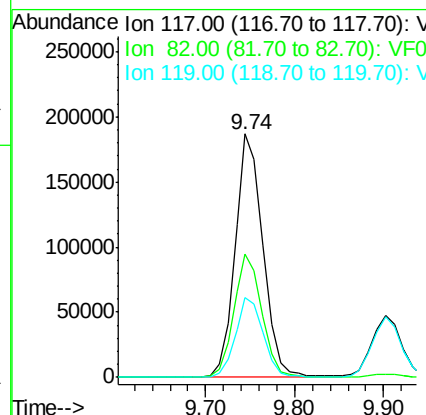
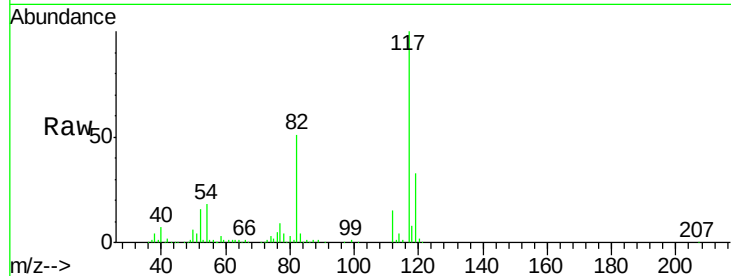
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.74 min Scan# 924
Delta R.T. -0.04 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	409072		
82	50.7		42.6	63.8
119	32.9		26.0	39.0

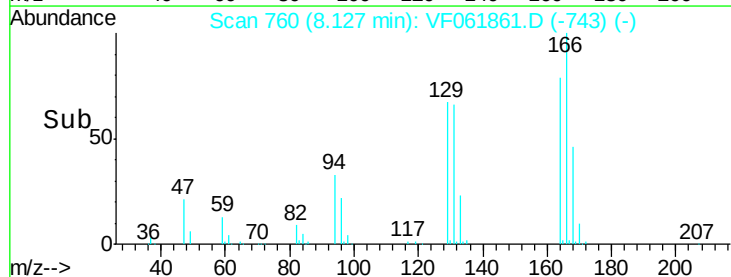
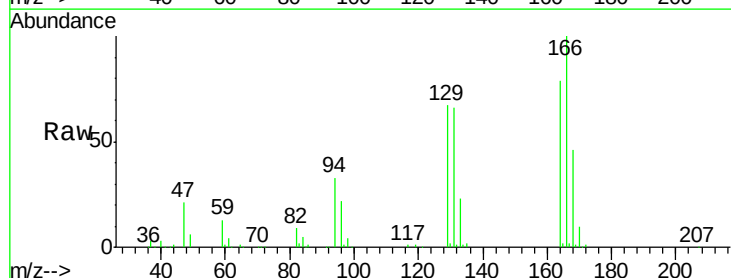
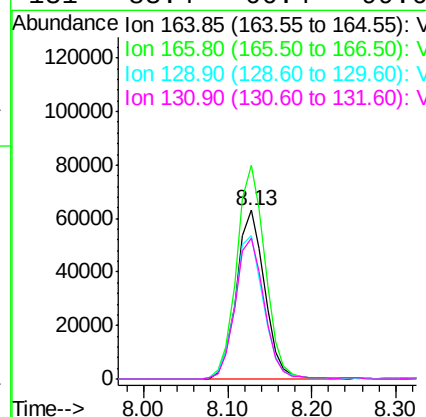
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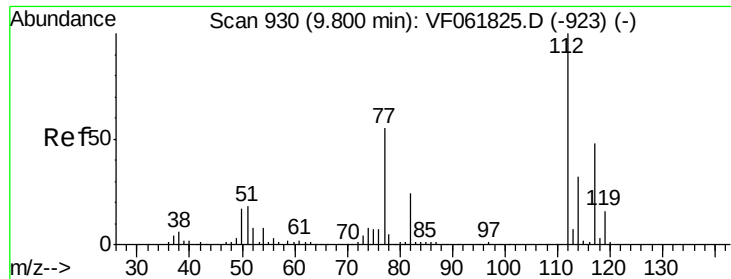
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#64
Tetrachloroethene
Concen: 46.894 ug/l
RT: 8.13 min Scan# 760
Delta R.T. -0.04 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	147402		
166	126.8		103.4	155.0
129	85.0		69.9	104.9
131	83.4		66.4	99.6





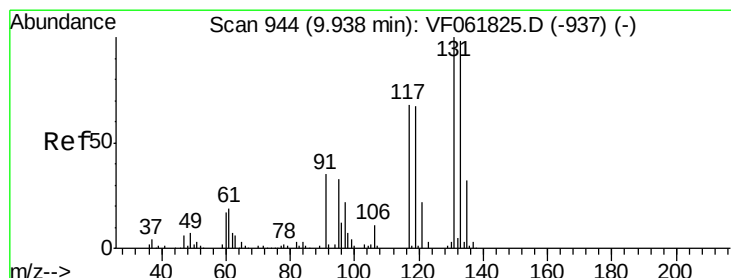
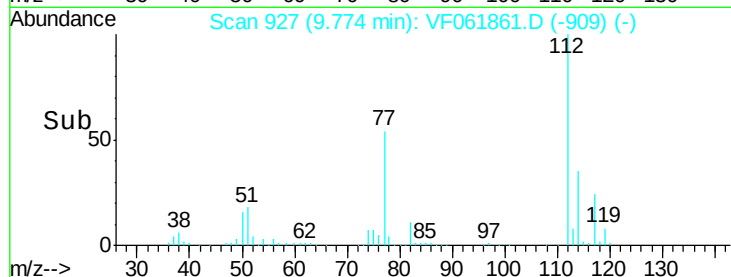
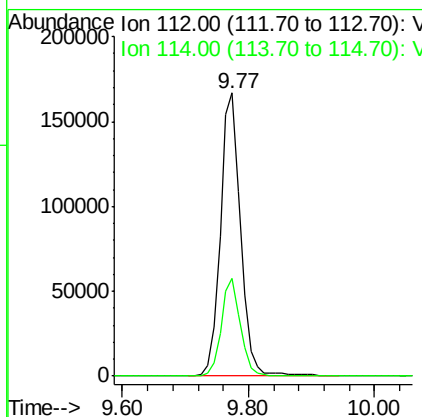
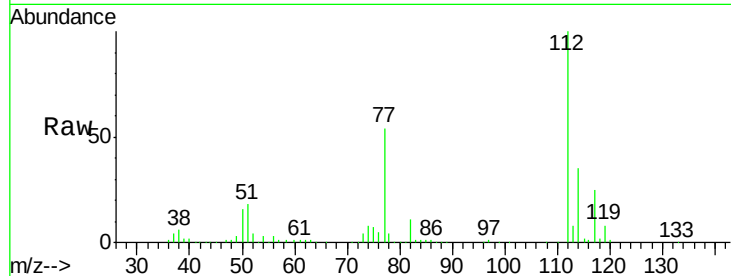
#65
Chlorobenzene
Concen: 47.388 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.03 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 372430
Ion Ratio Lower Upper
112 100
114 34.6 25.5 38.3

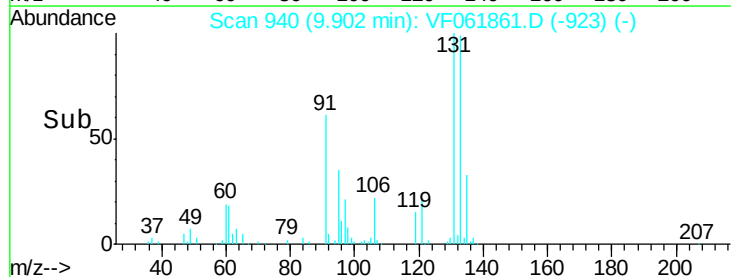
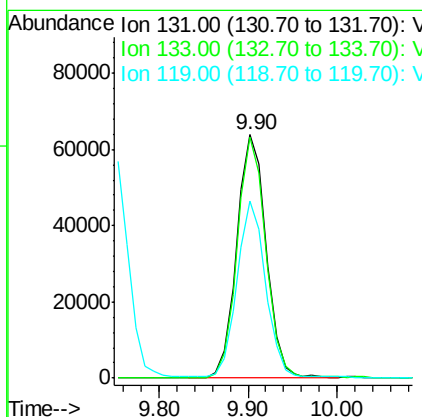
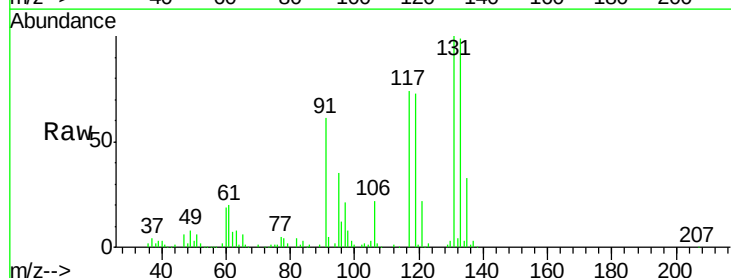
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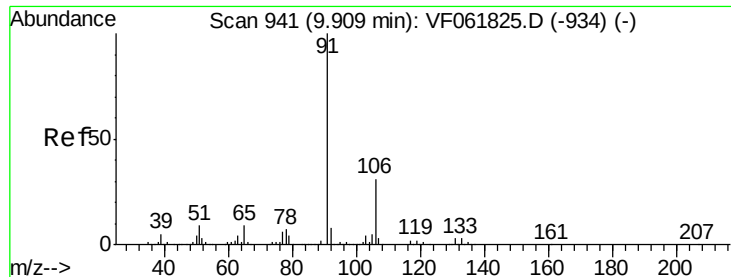
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.238 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.04 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Tgt Ion:131 Resp: 146884
Ion Ratio Lower Upper
131 100
133 98.8 48.9 146.7
119 72.9 33.6 100.8





#67

Ethyl Benzene

Concen: 47.812 ug/l

RT: 9.87 min Scan# 937

Delta R.T. -0.04 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 622815

Ion Ratio Lower Upper

91 100

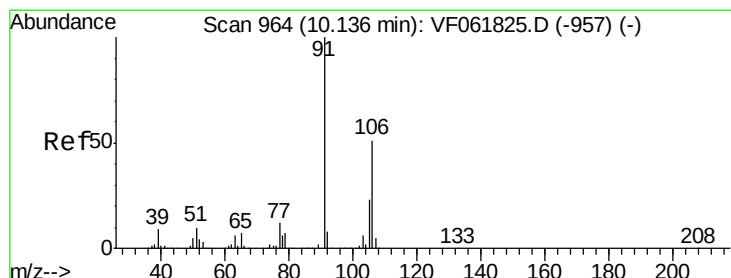
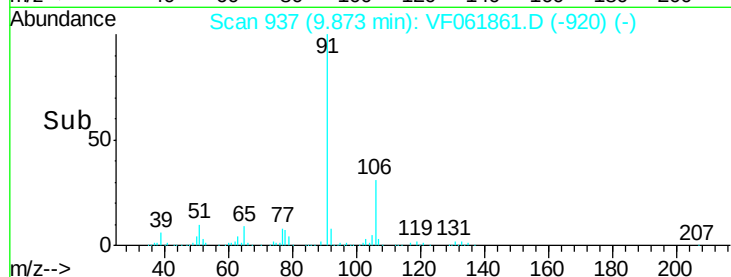
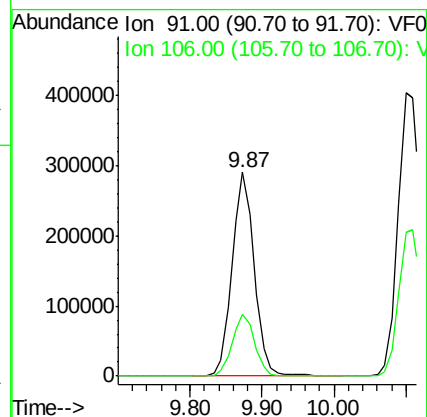
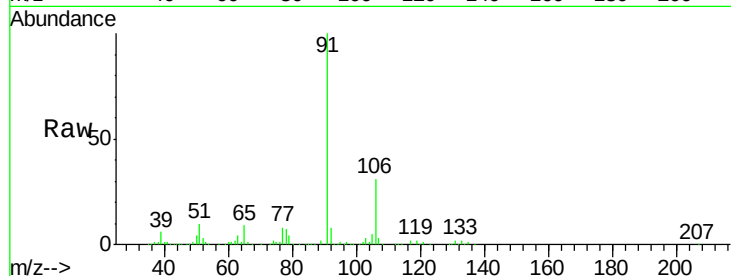
106 30.7 25.0 37.4

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#68

m/p-Xylenes

Concen: 93.932 ug/l

RT: 10.11 min Scan# 961

Delta R.T. -0.03 min

Lab File: VF061861.D

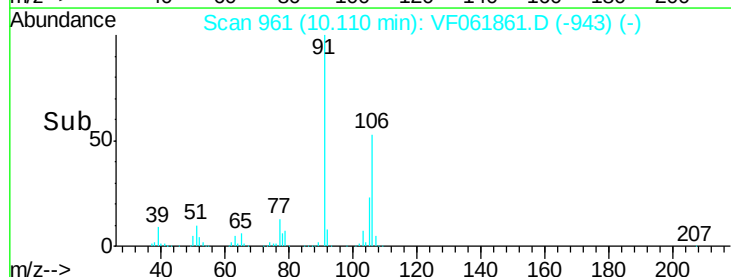
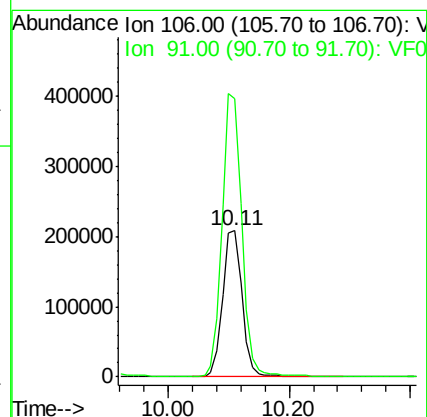
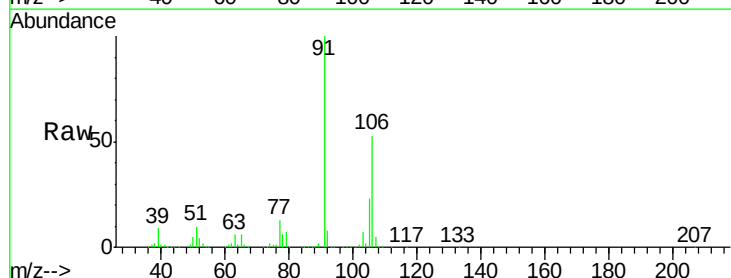
Acq: 8 Mar 2019 13:27

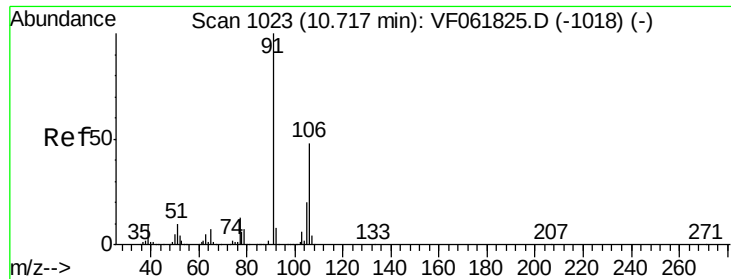
Tgt Ion: 106 Resp: 468739

Ion Ratio Lower Upper

106 100

91 190.3 157.5 236.3





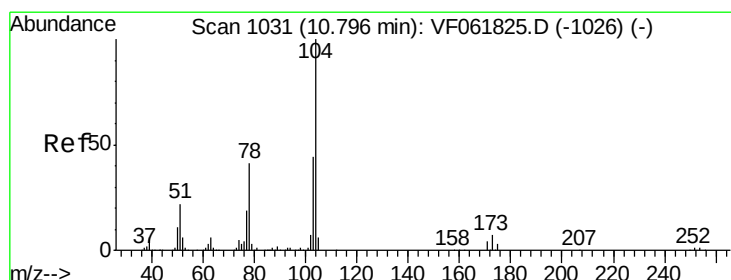
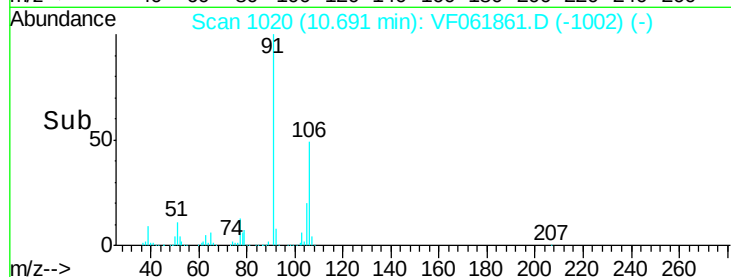
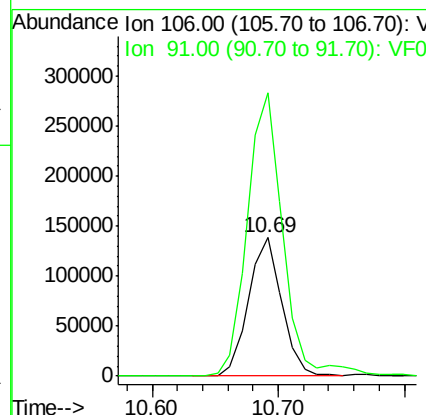
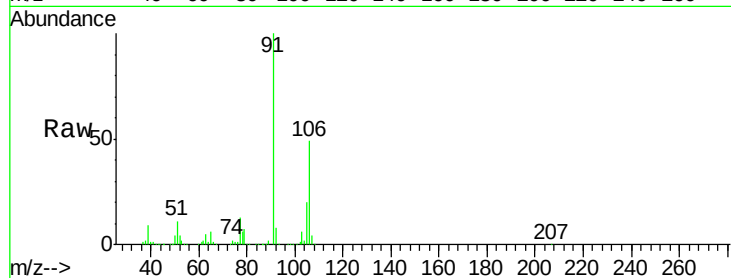
#69
o-Xylene
Concen: 47.303 ug/l
RT: 10.69 min Scan# 1020
Delta R.T. -0.03 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	204.2	103.5	310.3		

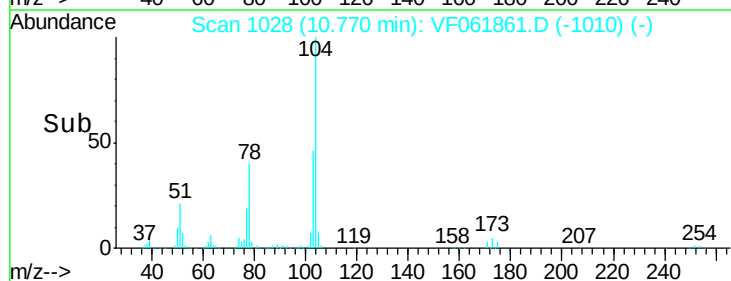
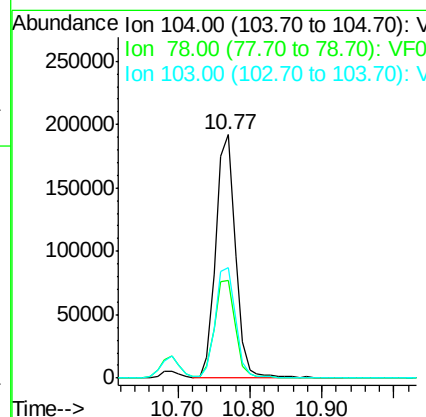
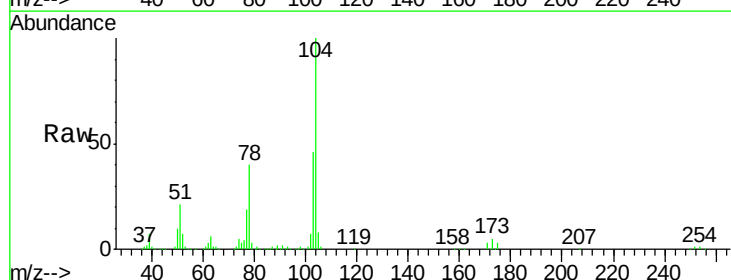
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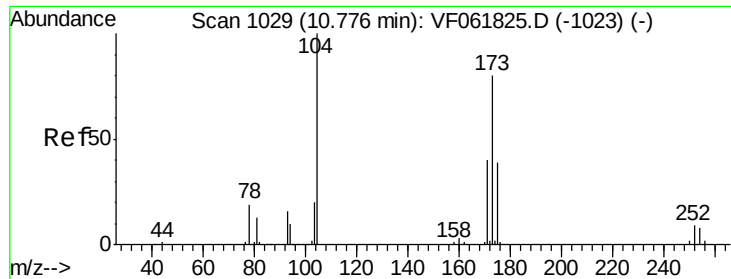
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#70
Styrene
Concen: 47.751 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.03 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	40.4	33.3	49.9		
103	45.6	35.4	53.0		





#71

Bromoform

Concen: 48.915 ug/l

RT: 10.75 min Scan# 1026

Delta R.T. -0.03 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 78720

Ion Ratio Lower Upper

173 100

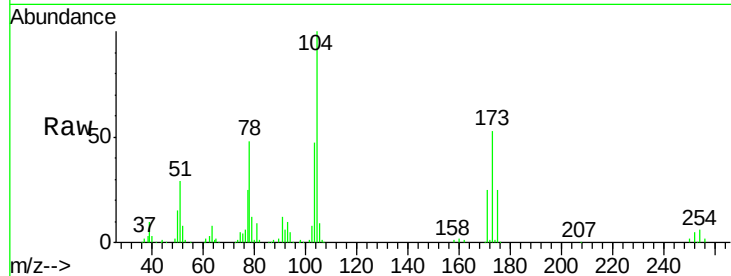
175 46.9 24.5 73.5

254 11.1 8.0 12.0

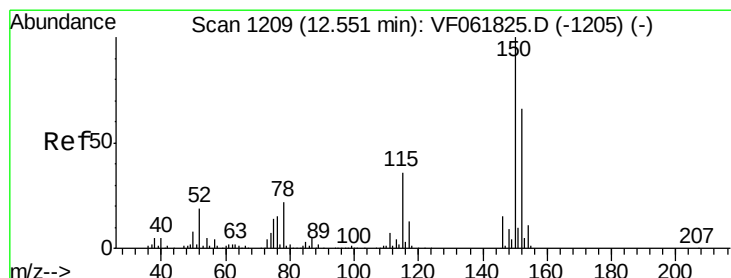
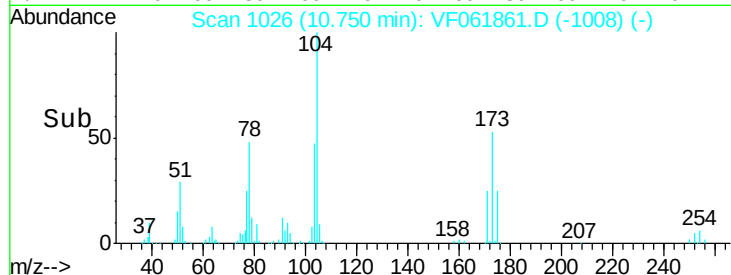
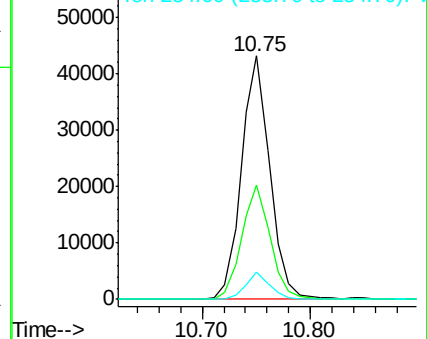
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Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1207

Delta R.T. -0.02 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

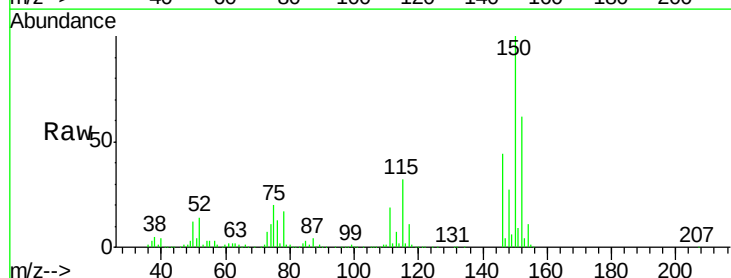
Tgt Ion:152 Resp: 225104

Ion Ratio Lower Upper

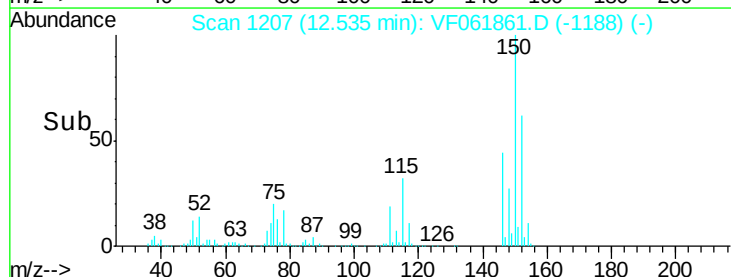
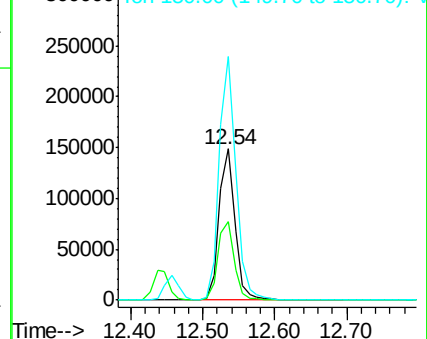
152 100

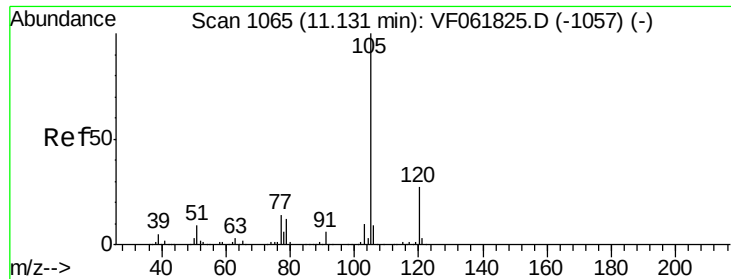
115 51.5 27.7 83.1

150 161.0 0.0 304.2



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: 47.232 ug/l

RT: 11.11 min Scan# 1062

Delta R.T. -0.03 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 731964

Ion Ratio Lower Upper

105 100

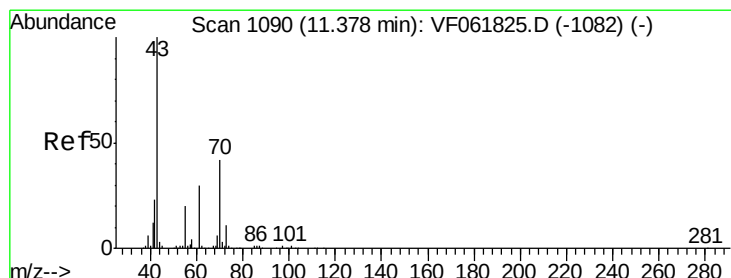
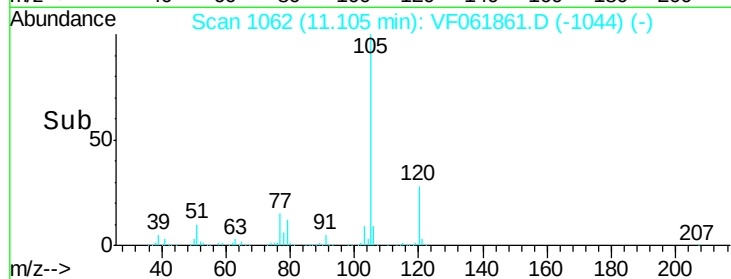
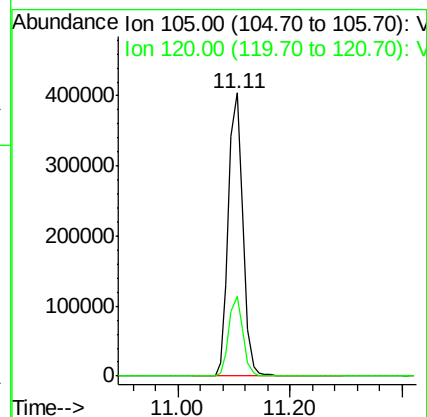
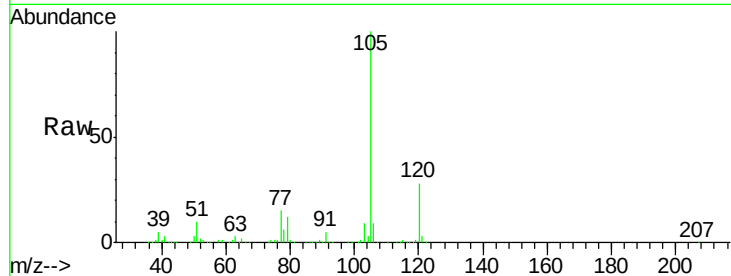
120 28.3 13.7 41.0

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#74

N-ethyl acetate

Concen: 45.079 ug/l

RT: 11.35 min Scan# 1087

Delta R.T. -0.03 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Tgt Ion: 43 Resp: 160827

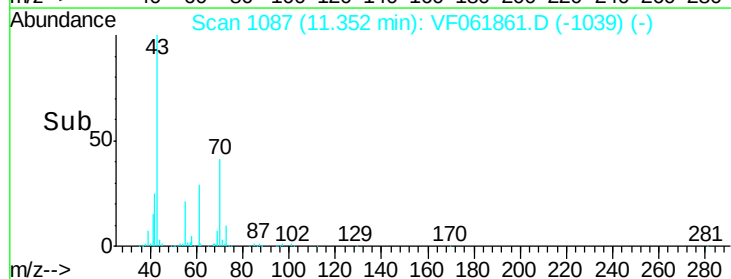
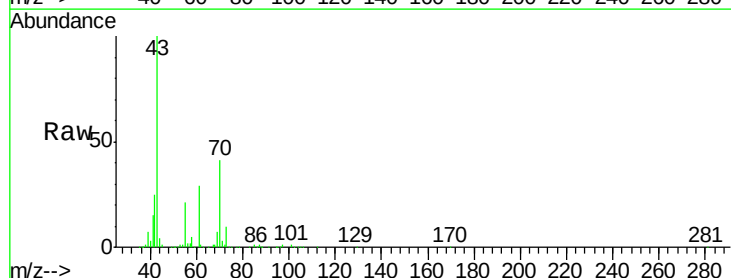
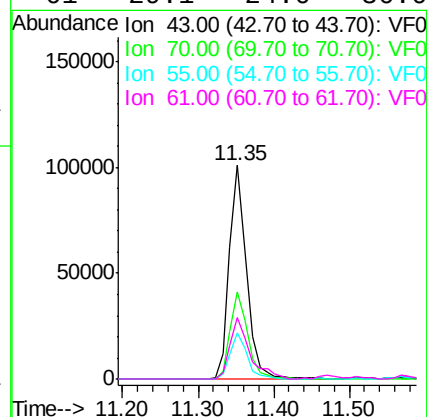
Ion Ratio Lower Upper

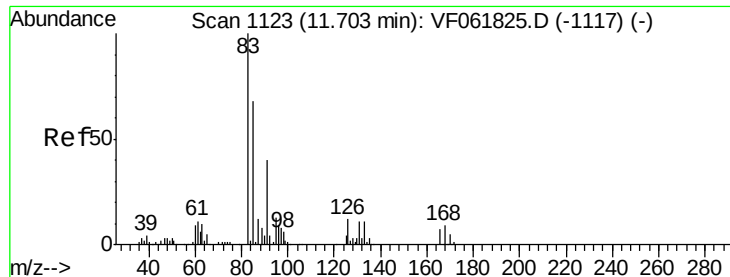
43 100

70 40.8 33.4 50.0

55 21.4 16.3 24.5

61 29.1 24.0 36.0





#75

1,1,2,2-Tetrachloroethane

Concen: 46.155 ug/l

RT: 11.68 min Scan# 1120

Delta R.T. -0.03 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

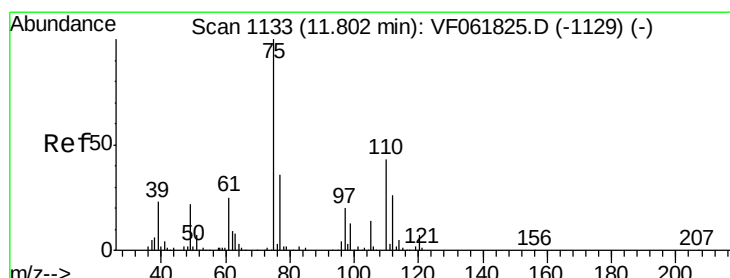
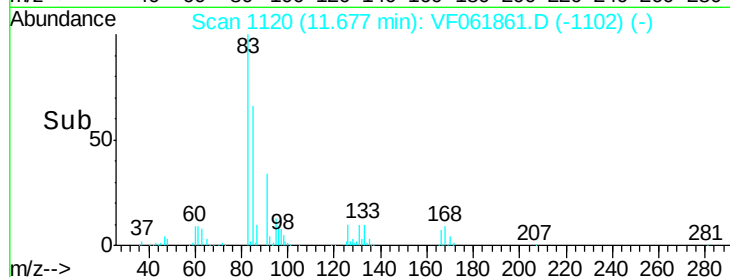
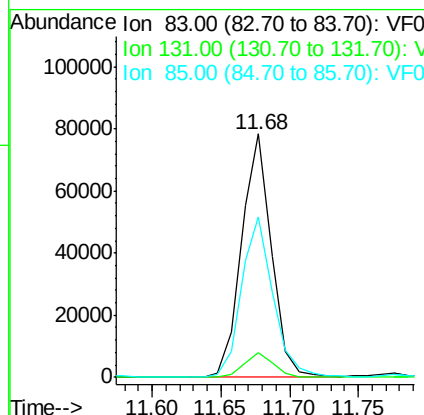
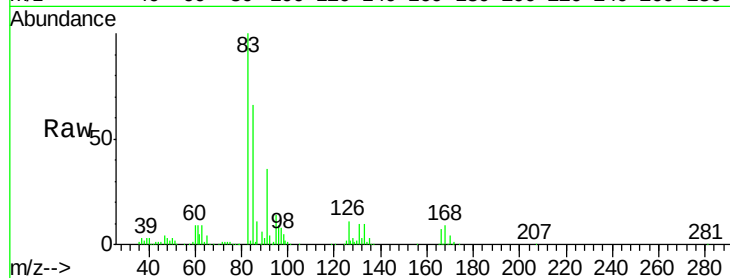
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	118880
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.5	16.7
85	65.9	34.2	102.6

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#76

1,2,3-Trichloropropane

Concen: 49.339 ug/l

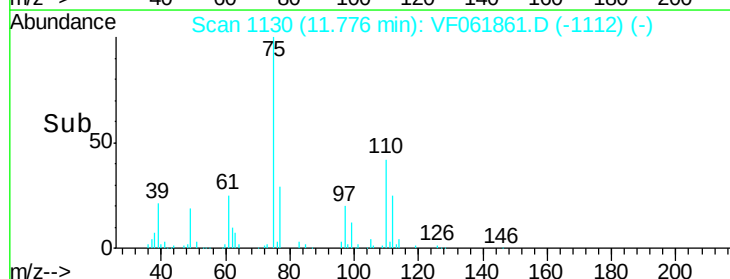
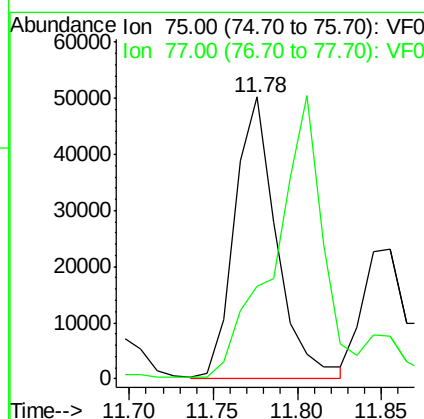
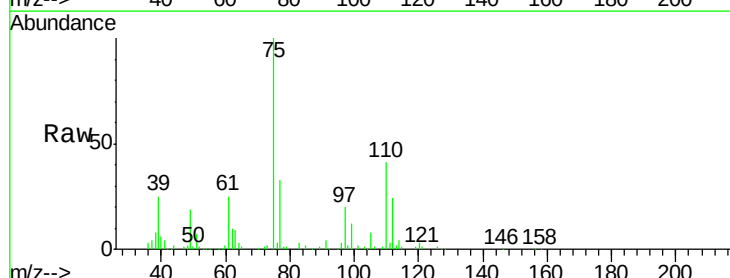
RT: 11.78 min Scan# 1130

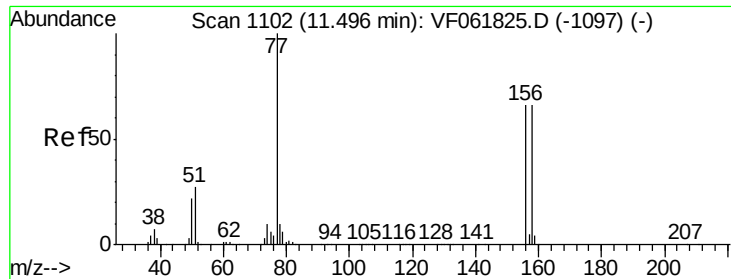
Delta R.T. -0.03 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Tgt Ion:	75	Resp:	86733
Ion Ratio	Lower	Upper	
75	100		
77	32.9	18.1	54.4





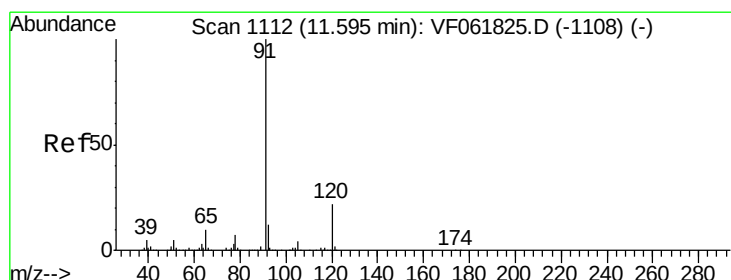
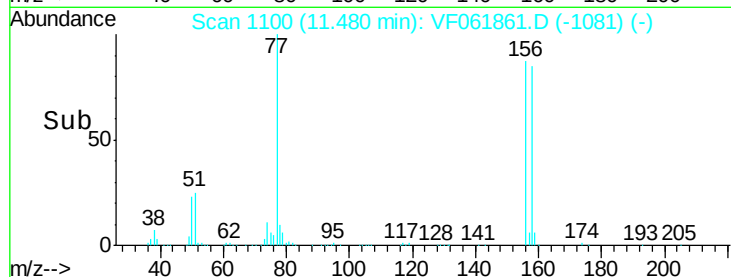
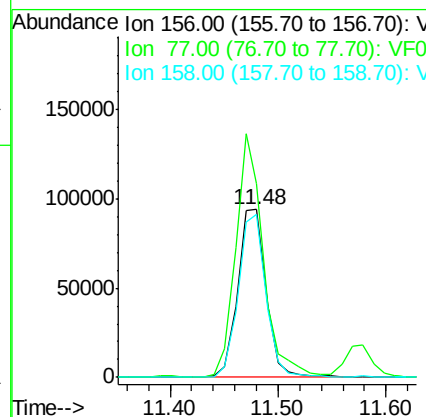
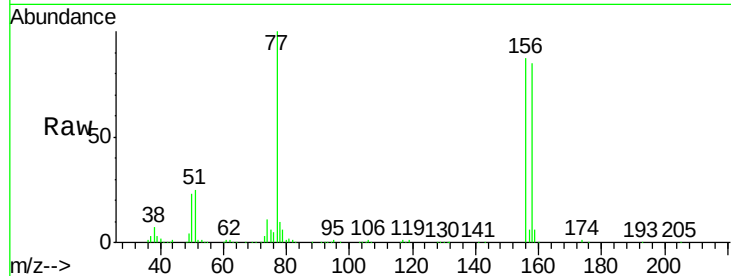
#77
Bromobenzene
Concen: 45.846 ug/l
RT: 11.48 min Scan# 1100
Delta R.T. -0.02 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		170990		
77	115.5	75.7	227.1		
158	97.6	50.0	150.1		

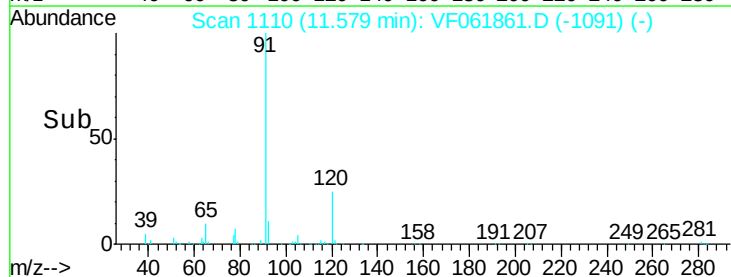
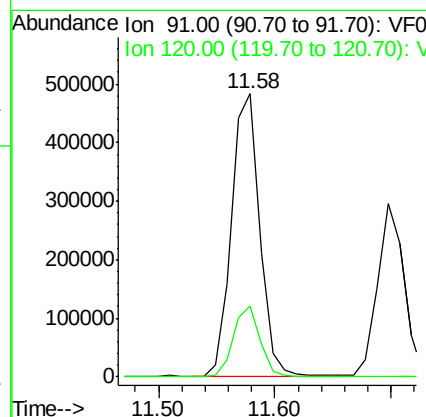
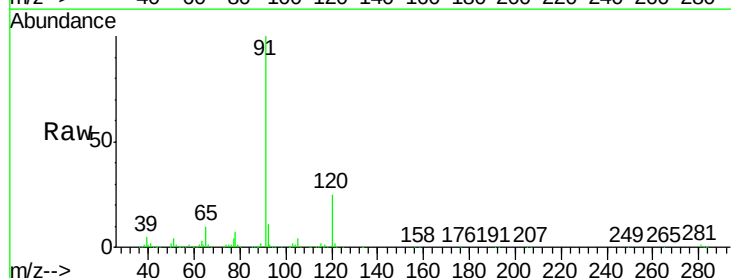
Manual Integrations
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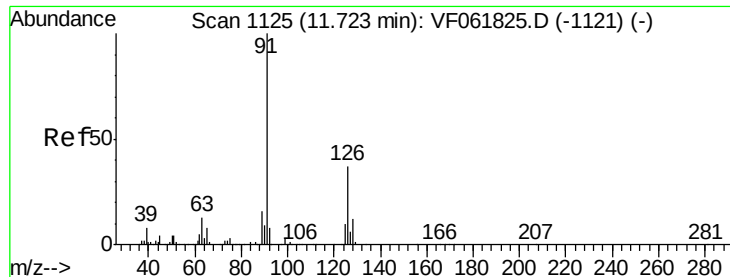
MMDadoda
3/11/2019 10:12:07 AM



#78
n-propylbenzene
Concen: 46.603 ug/l
RT: 11.58 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		815590		
120	25.0	11.1	33.1		





#79

2-Chlorotoluene

Concen: 46.150 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.03 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 461751

Ion Ratio Lower Upper

91 100

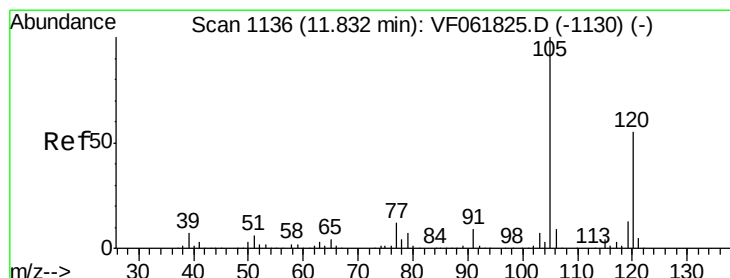
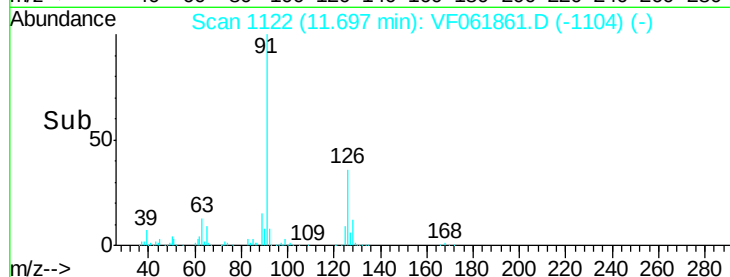
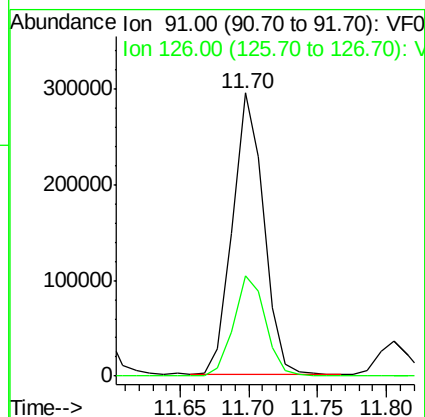
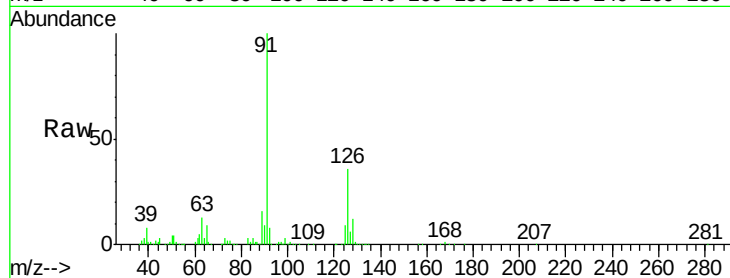
126 35.5 18.1 54.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 46.889 ug/l

RT: 11.81 min Scan# 1133

Delta R.T. -0.03 min

Lab File: VF061861.D

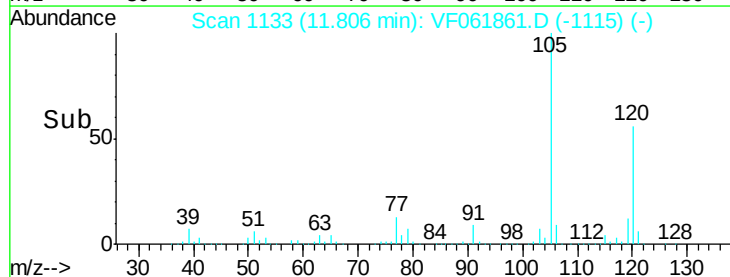
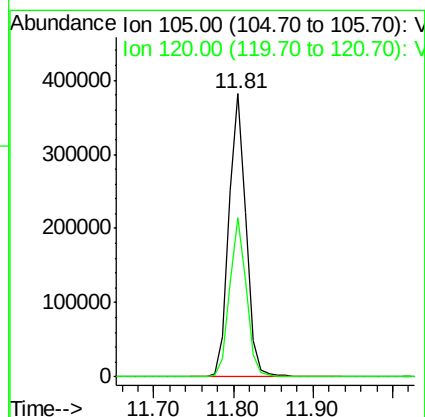
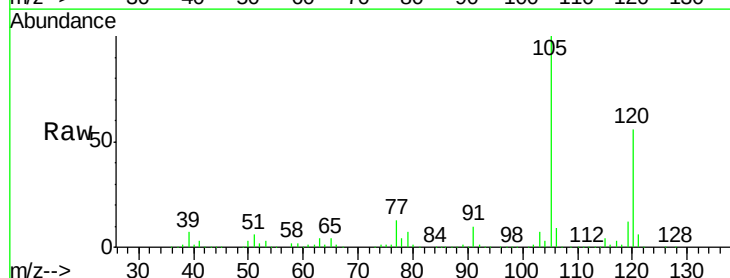
Acq: 8 Mar 2019 13:27

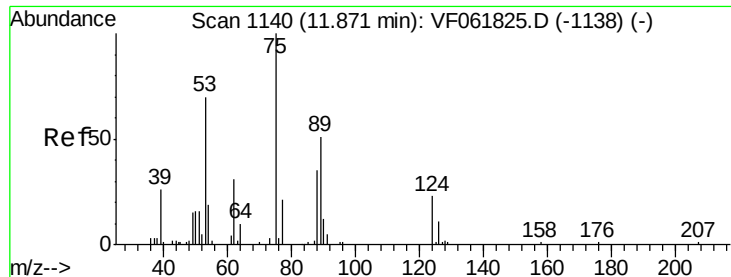
Tgt Ion:105 Resp: 583408

Ion Ratio Lower Upper

105 100

120 56.1 27.4 82.2





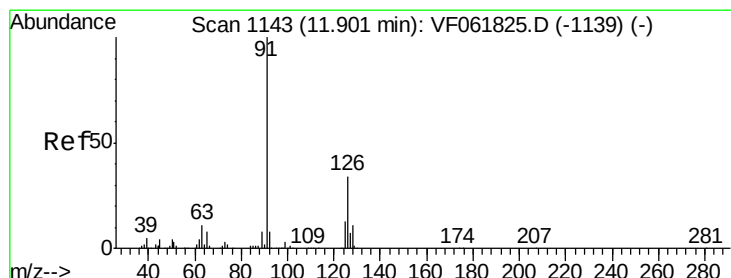
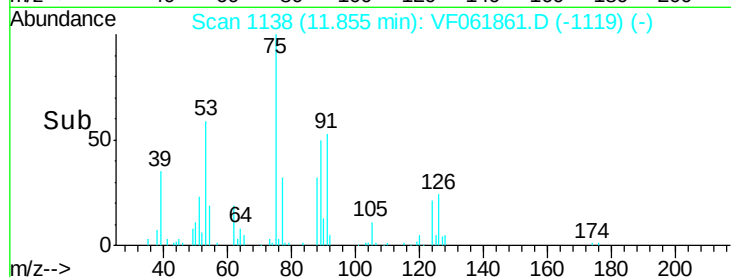
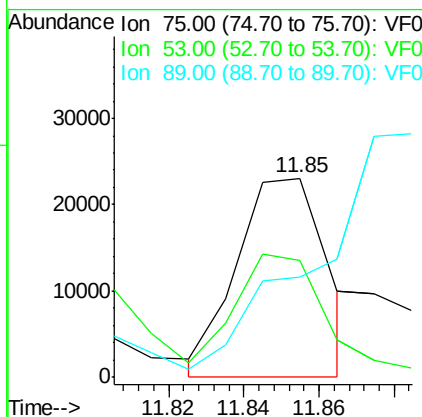
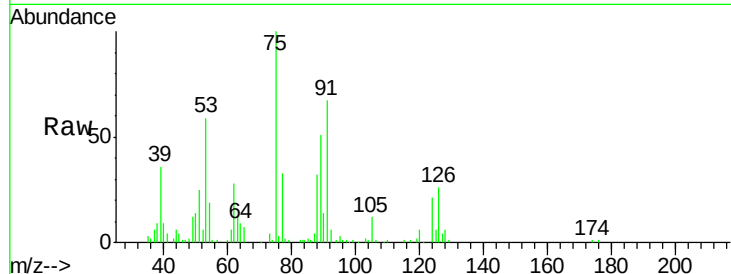
#81
trans-1,4-Dichloro-2-butene
Concen: 47.701 ug/l m
RT: 11.85 min Scan# 1138
Delta R.T. -0.02 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	58.5	58.6	88.0#
89	50.6	41.4	62.0

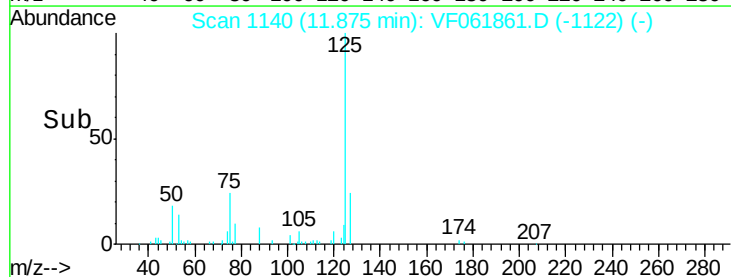
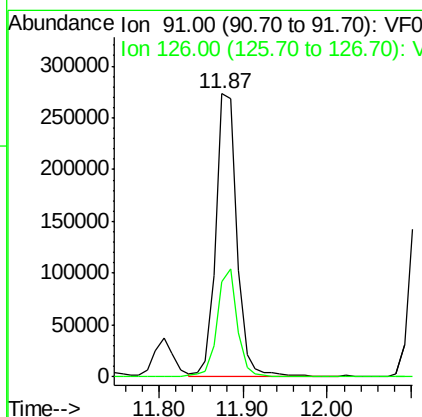
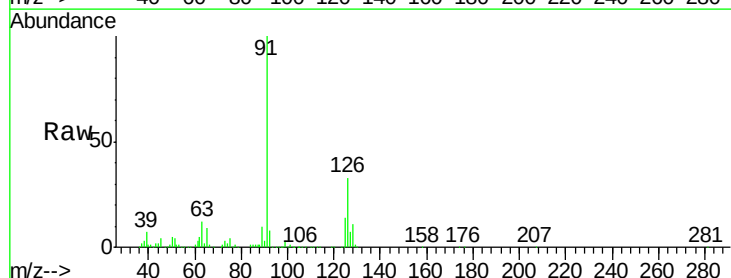
Manual Integrations
APPROVED

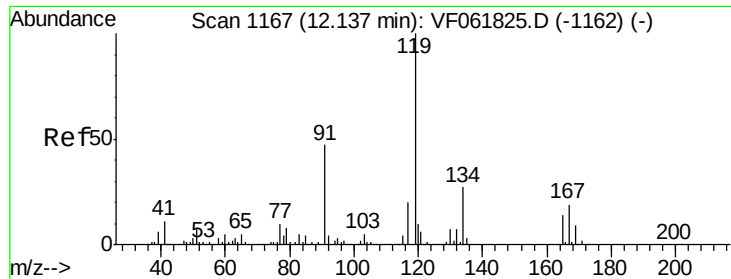
MMDadoda
3/11/2019 10:12:07 AM



#82
4-Chlorotoluene
Concen: 46.121 ug/l
RT: 11.87 min Scan# 1140
Delta R.T. -0.03 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	17.0	50.9





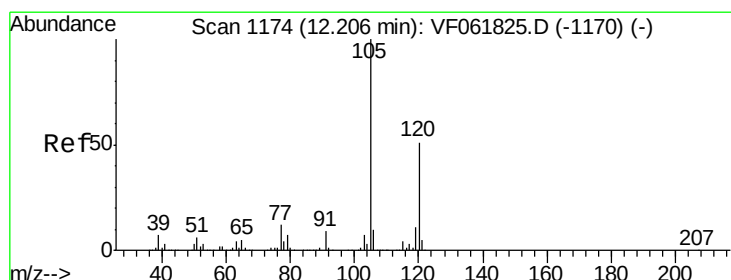
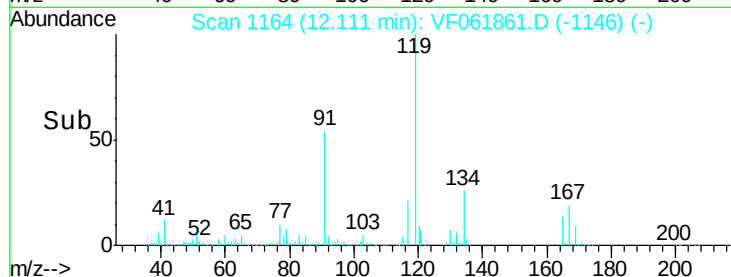
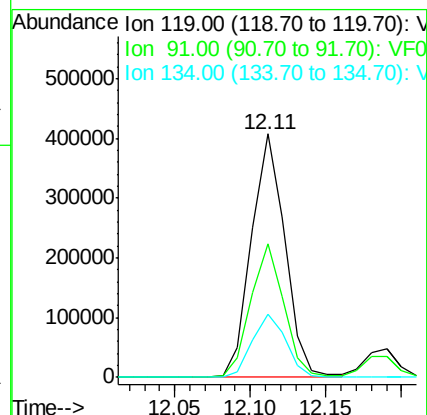
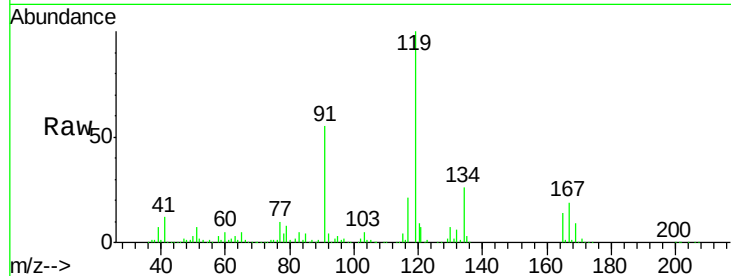
#83
 tert-Butylbenzene
 Concen: 48.060 ug/l
 RT: 12.11 min Scan# 1164
 Delta R.T. -0.03 min
 Lab File: VF061861.D
 Acq: 8 Mar 2019 13:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.6	23.5	70.5
134	26.0	13.3	39.8

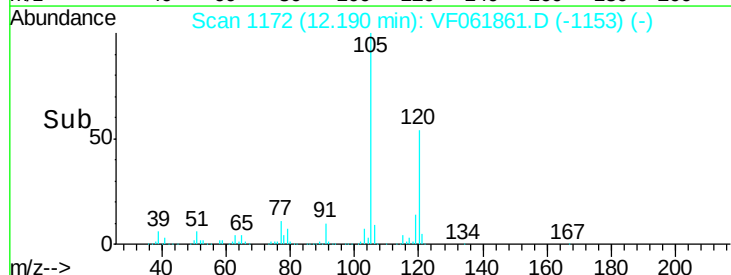
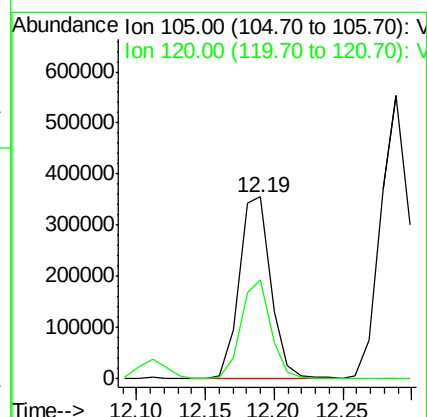
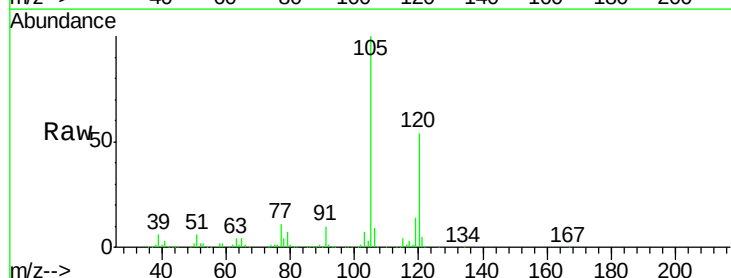
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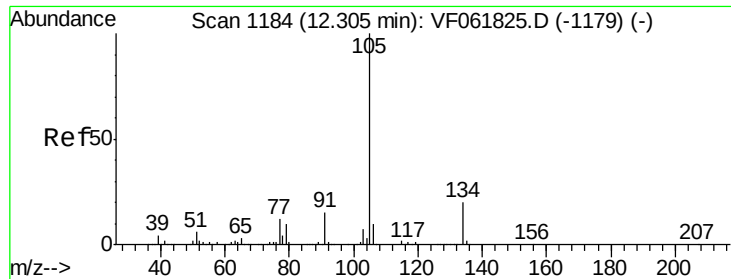
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.129 ug/l
 RT: 12.19 min Scan# 1172
 Delta R.T. -0.02 min
 Lab File: VF061861.D
 Acq: 8 Mar 2019 13:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	54.4	25.8	77.4





#85

sec-Butylbenzene

Concen: 47.810 ug/l

RT: 12.29 min Scan# 1182

Delta R.T. -0.02 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 821987

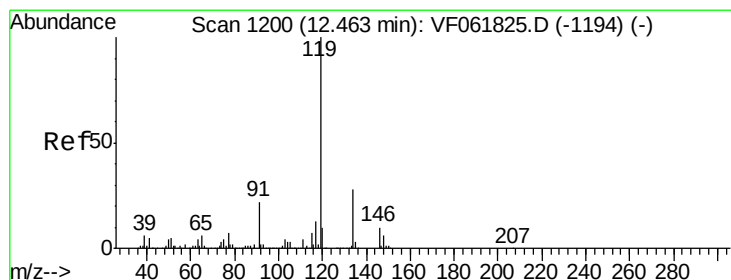
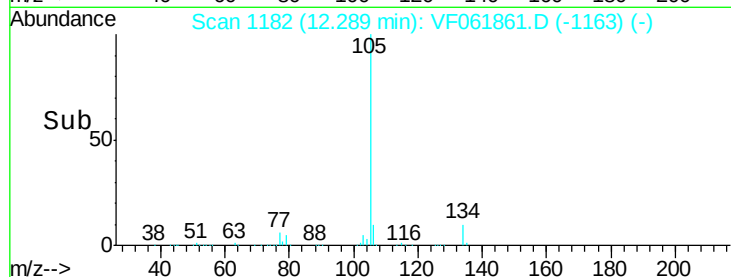
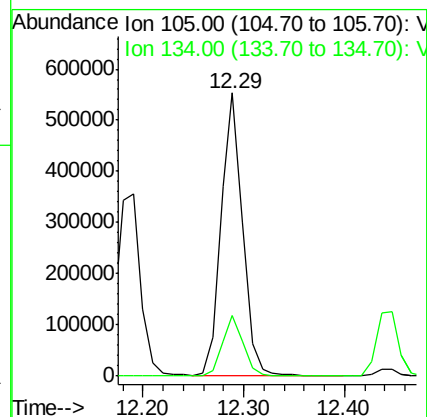
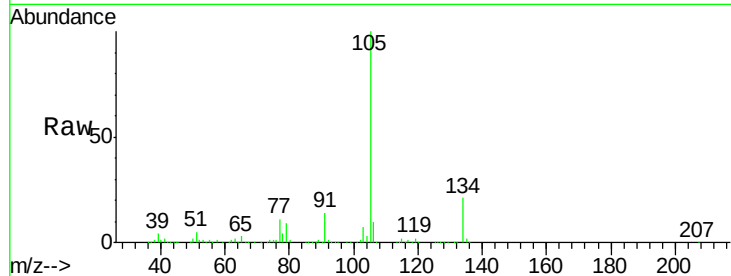
Ion Ratio Lower Upper

105 100

134 21.3 9.8 29.5

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#86

p-Isopropyltoluene

Concen: 49.732 ug/l

RT: 12.44 min Scan# 1197

Delta R.T. -0.03 min

Lab File: VF061861.D

Acq: 8 Mar 2019 13:27

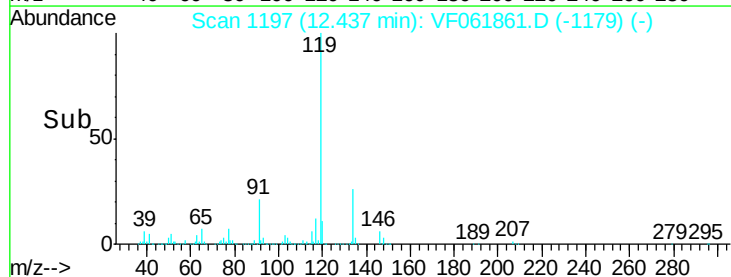
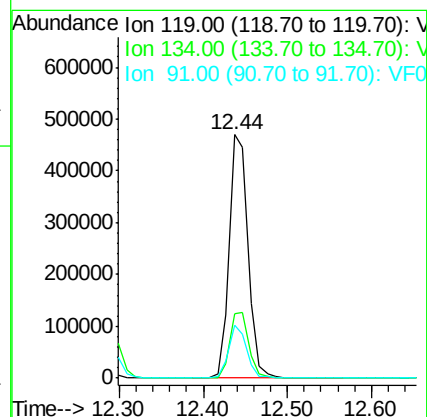
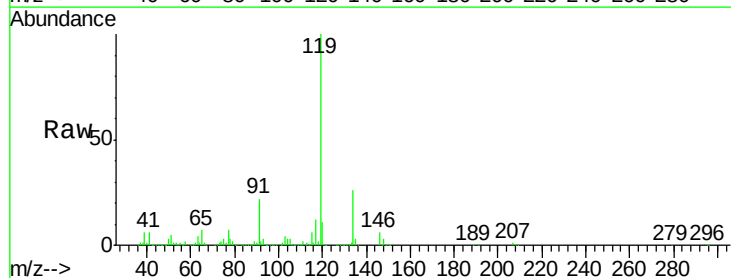
Tgt Ion:119 Resp: 726807

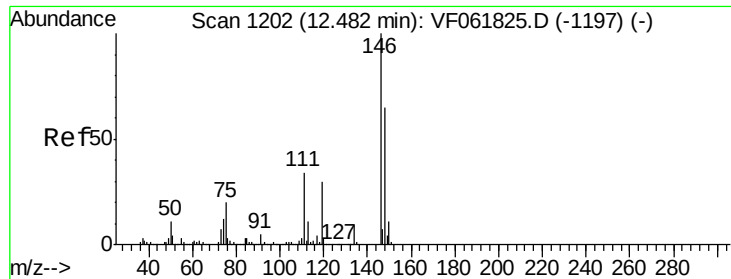
Ion Ratio Lower Upper

119 100

134 26.3 14.0 42.0

91 21.8 11.1 33.3





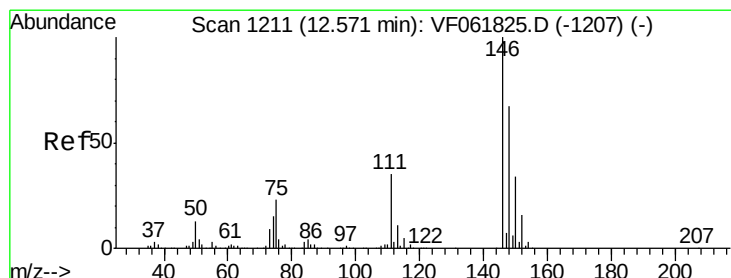
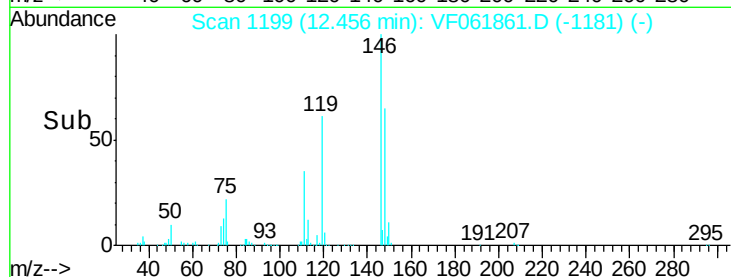
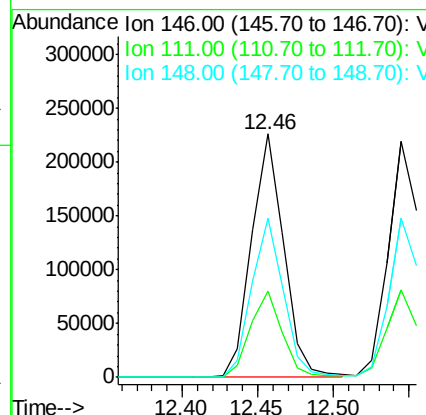
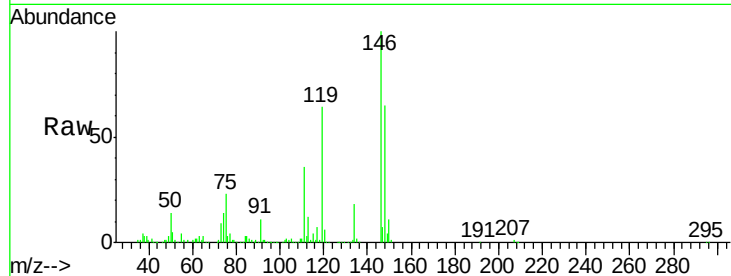
#87
 1,3-Dichlorobenzene
 Concen: 47.835 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.03 min
 Lab File: VF061861.D
 Acq: 8 Mar 2019 13:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.5	17.0	51.0
148	65.1	32.5	97.5

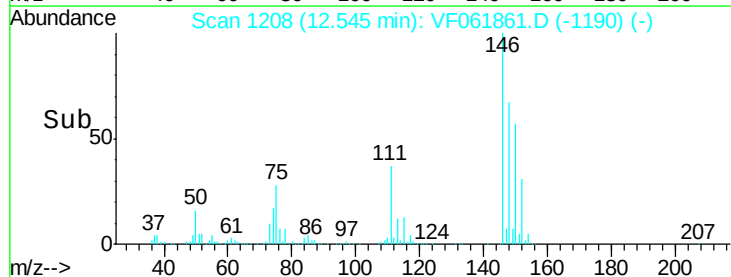
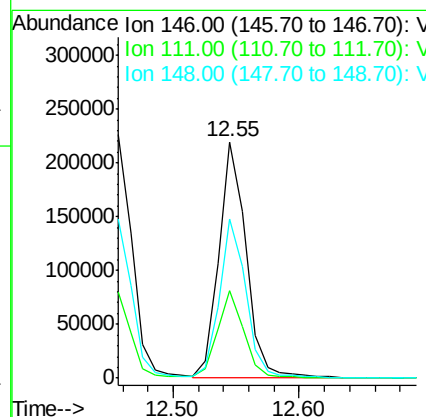
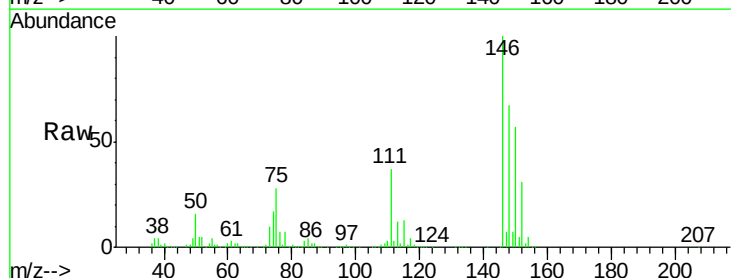
Manual Integrations
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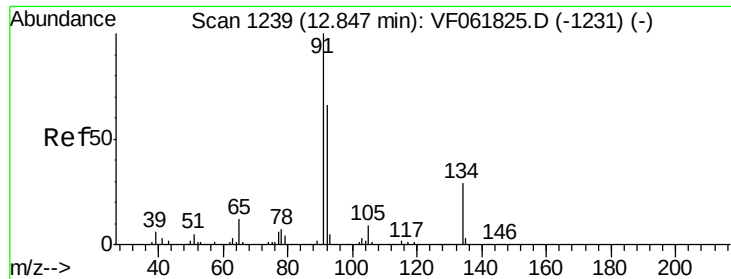
MMDadoda
 3/11/2019 10:12:07 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.089 ug/l
 RT: 12.55 min Scan# 1208
 Delta R.T. -0.03 min
 Lab File: VF061861.D
 Acq: 8 Mar 2019 13:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	17.6	52.9
148	67.2	33.5	100.4





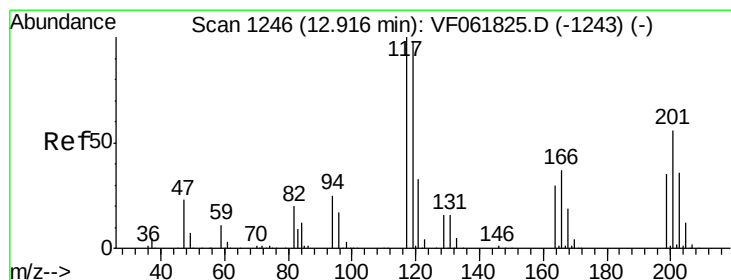
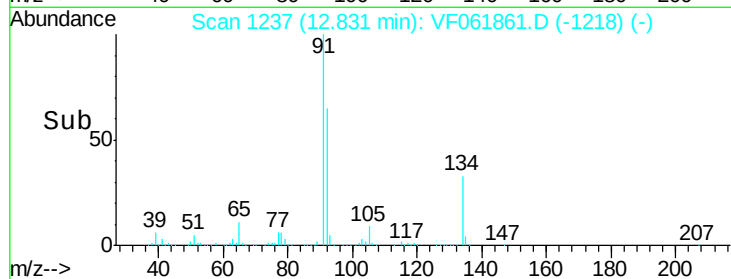
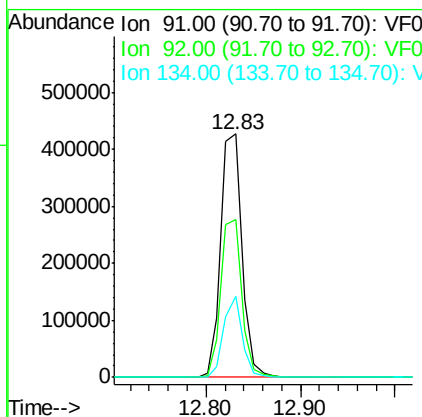
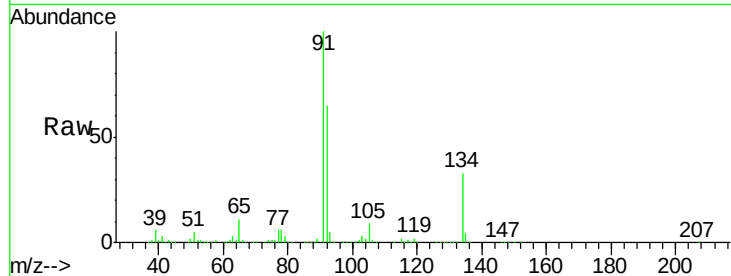
#89
n-Butylbenzene
Concen: 47.733 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	65.0	32.9	98.6
134	33.1	14.5	43.6

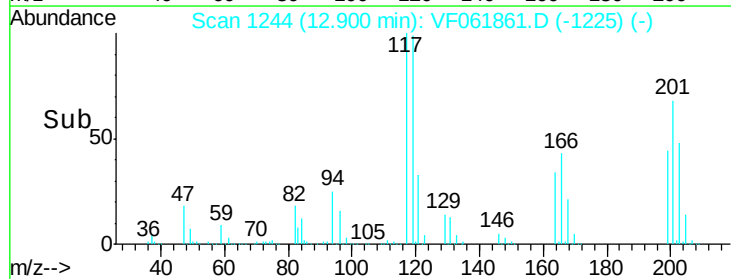
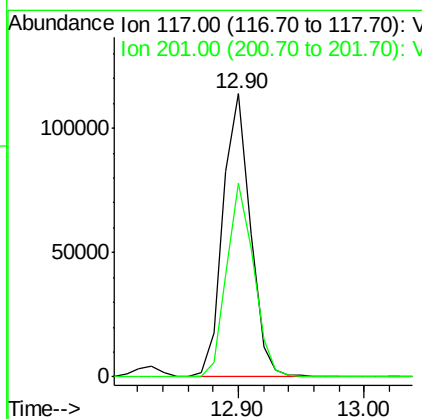
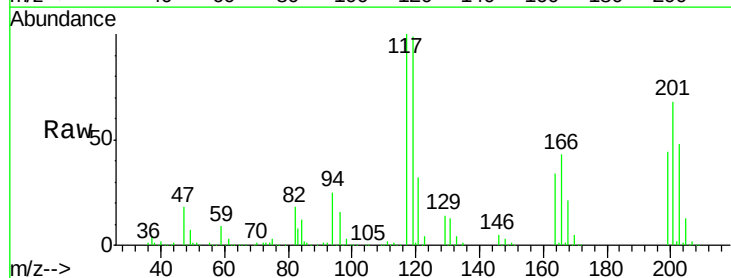
Manual Integrations
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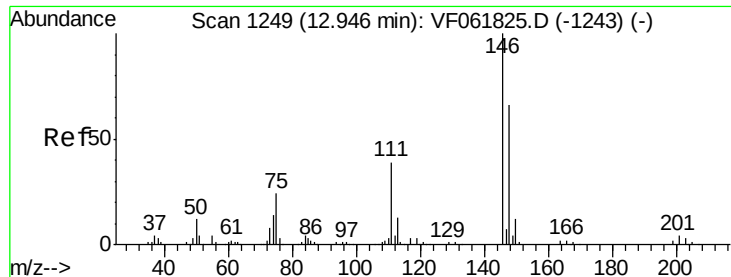
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#90
Hexachloroethane
Concen: 48.603 ug/l
RT: 12.90 min Scan# 1244
Delta R.T. -0.02 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.4	27.8	83.4





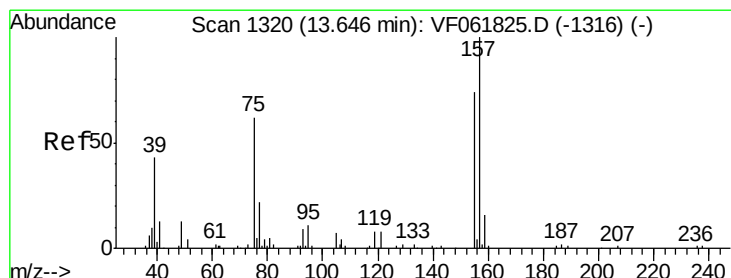
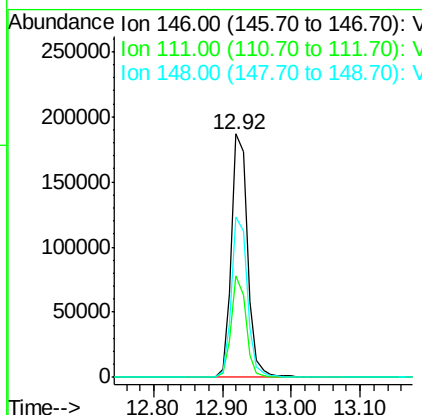
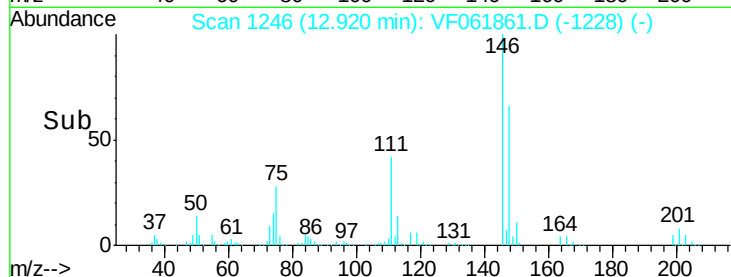
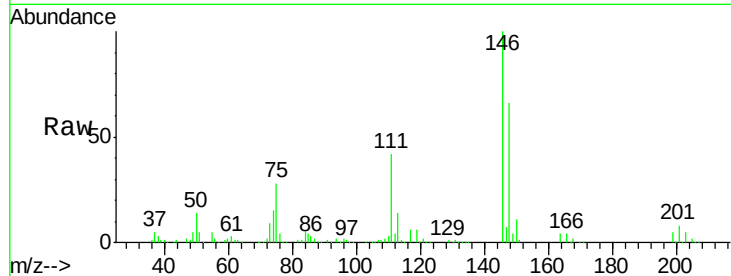
#91
 1,2-Dichlorobenzene
 Concen: 45.262 ug/l
 RT: 12.92 min Scan# 1246
 Delta R.T. -0.03 min
 Lab File: VF061861.D
 Acq: 8 Mar 2019 13:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	19.4	58.4
148	65.8	33.0	98.9

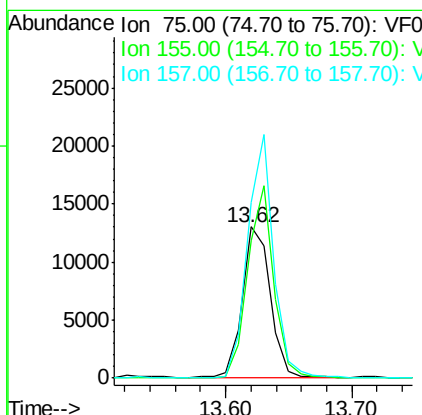
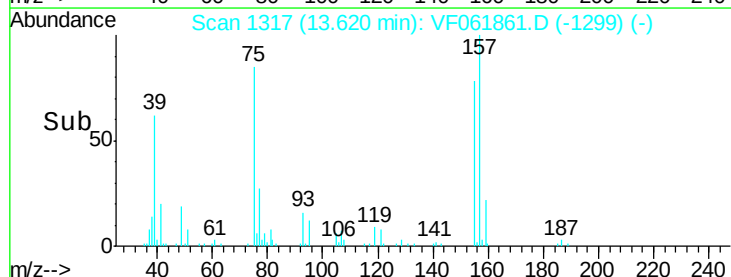
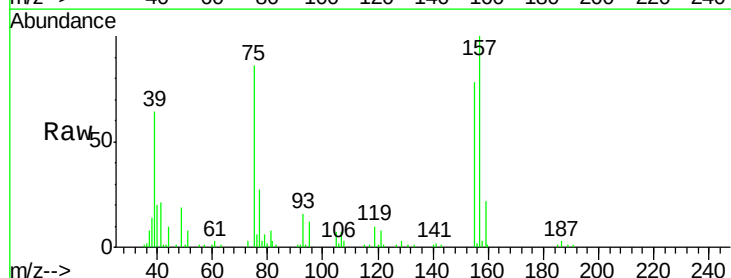
Manual Integrations
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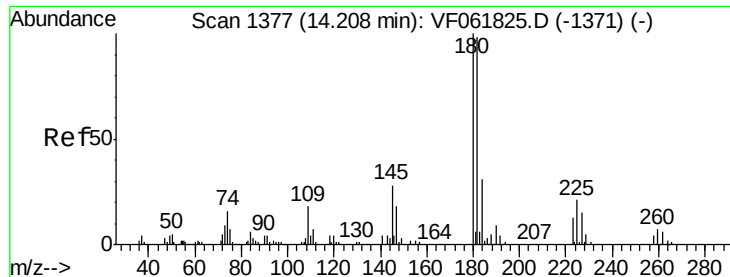
MMDadoda
 3/11/2019 10:12:07 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.755 ug/l
 RT: 13.62 min Scan# 1317
 Delta R.T. -0.03 min
 Lab File: VF061861.D
 Acq: 8 Mar 2019 13:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.1	59.8	179.4
157	116.2	81.2	243.4





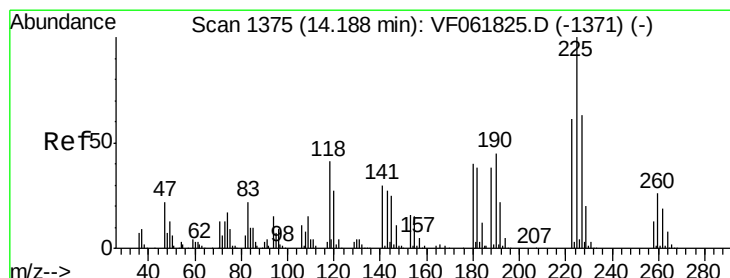
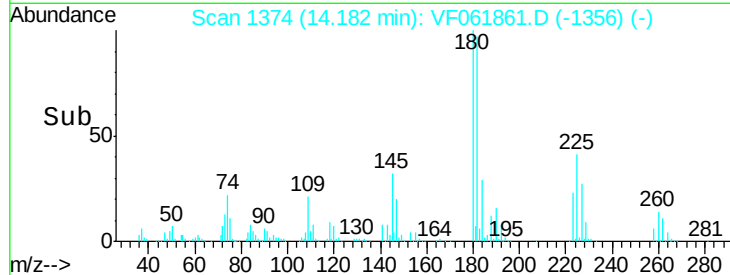
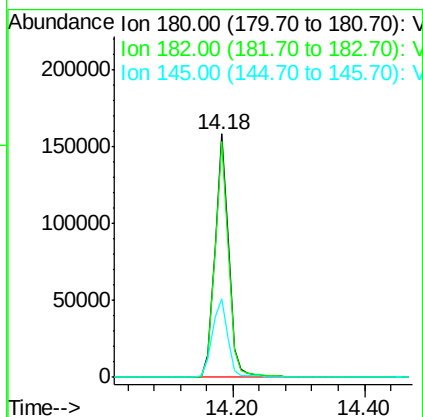
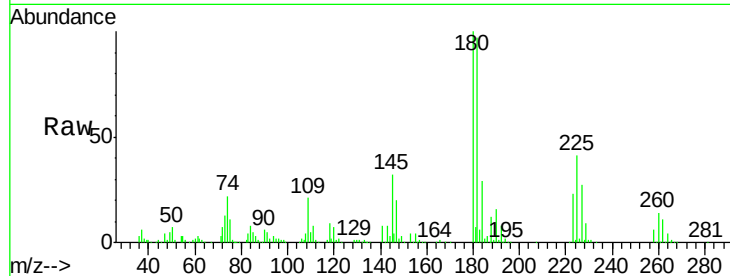
#93
 1,2,4-Trichlorobenzene
 Concen: 48.491 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.03 min
 Lab File: VF061861.D
 Acq: 8 Mar 2019 13:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	228100		
182	96.9	49.0	147.2	
145	32.3	14.1	42.4	

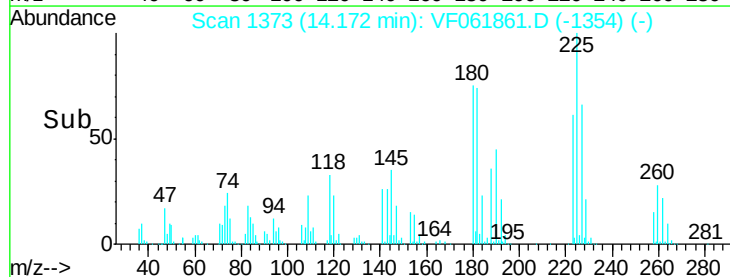
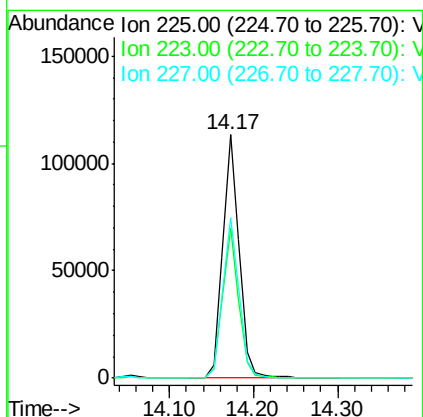
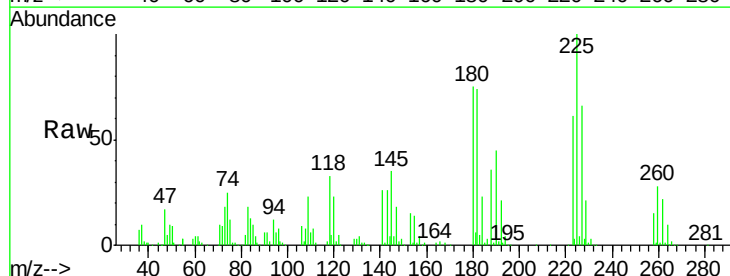
Manual Integrations
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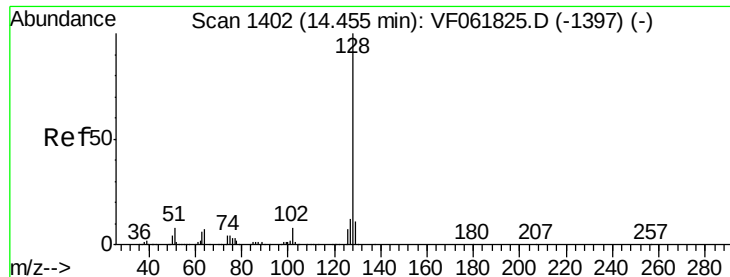
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 47.197 ug/l
 RT: 14.17 min Scan# 1373
 Delta R.T. -0.02 min
 Lab File: VF061861.D
 Acq: 8 Mar 2019 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	153693		
223	61.5	30.3	90.9	
227	65.7	31.3	93.8	





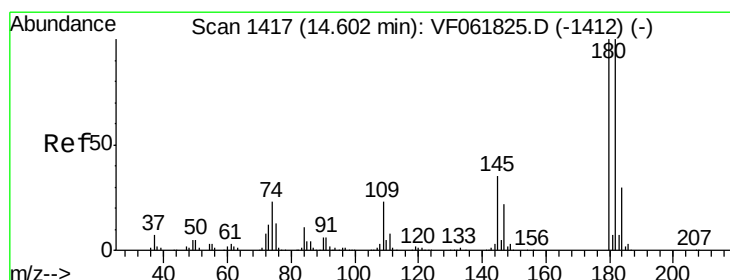
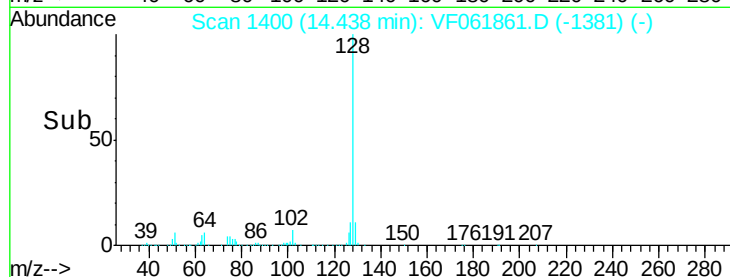
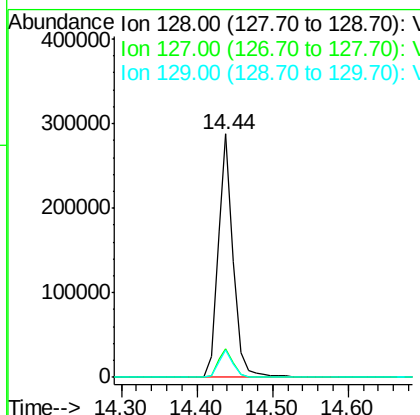
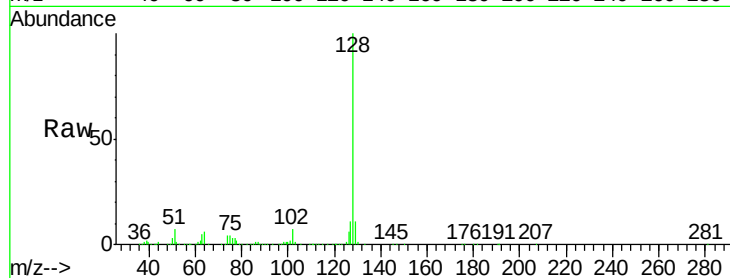
#95
Naphthalene
Concen: 48.037 ug/l
RT: 14.44 min Scan# 1400
Delta R.T. -0.02 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	402459		
127	11.5		9.3	13.9
129	11.1		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/11/2019 10:12:07 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.251 ug/l
RT: 14.59 min Scan# 1415
Delta R.T. -0.02 min
Lab File: VF061861.D
Acq: 8 Mar 2019 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	213909		
182	96.7		50.2	150.7
145	31.2		17.5	52.5

