

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012419\
 Data File : VF061492.D
 Acq On : 24 Jan 2019 10:54
 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
 1/25/2019 10:26:23 AM

Quant Time: Jan 25 04:21:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	207927	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.62	114	355541	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.81	117	316663	50.00	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	12.57	152	146469	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	94870	36.96	ug/l	0.04
Spiked Amount 50.000			Recovery	=	73.92%	
35) Dibromofluoromethane	4.14	113	116035	41.36	ug/l	0.04
Spiked Amount 50.000			Recovery	=	82.72%	
50) Toluene-d8	7.58	98	321092	41.77	ug/l	0.03
Spiked Amount 50.000			Recovery	=	83.54%	
62) 4-Bromofluorobenzene	11.43	95	136712	38.07	ug/l	0.03
Spiked Amount 50.000			Recovery	=	76.14%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	198899	48.685	ug/l	92
3) Chloromethane	1.11	50	152700	50.974	ug/l	94
4) Vinyl Chloride	1.15	62	137122	51.458	ug/l	96
5) Bromomethane	1.32	94	90339	51.989	ug/l	99
6) Chloroethane	1.41	64	64539	54.659	ug/l	98
7) Trichlorofluoromethane	1.49	101	227827	43.979	ug/l	99
8) Diethyl Ether	1.64	74	34860	52.517	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.86	101	121041	48.627	ug/l	97
10) Methyl Iodide	1.92	142	204394m	52.967	ug/l	
11) Tert butyl alcohol	2.59	59	24681	227.136	ug/l #	85
12) 1,1-Dichloroethene	1.82	96	101572	54.925	ug/l	82
13) Acrolein	2.01	56	27765	294.721	ug/l	98
14) Allyl chloride	2.11	41	140884	68.085	ug/l	89
15) Acrylonitrile	2.96	53	67235	241.560	ug/l	94
16) Acetone	2.25	43	151438	294.057	ug/l	99
17) Carbon Disulfide	1.84	76	321573m	55.768	ug/l	
18) Methyl Acetate	2.37	43	52778	51.676	ug/l	98
19) Methyl tert-butyl Ether	2.45	73	189497	45.710	ug/l	98
20) Methylene Chloride	2.19	84	92441m	52.983	ug/l	
21) trans-1,2-Dichloroethene	2.33	96	104283	51.253	ug/l	98
22) Diisopropyl ether	2.81	45	326452	49.605	ug/l	99
23) Vinyl Acetate	3.21	43	739343	255.348	ug/l	98
24) 1,1-Dichloroethane	2.89	63	203129	49.179	ug/l	97
25) 2-Butanone	4.36	43	241857	282.406	ug/l	97
26) 2,2-Dichloropropane	3.62	77	113631	44.777	ug/l	94
27) cis-1,2-Dichloroethene	3.50	96	154457	51.426	ug/l	97
28) Bromochloromethane	3.74	49	89003	47.938	ug/l	92
29) Tetrahydrofuran	4.10	42	90095	244.314	ug/l	96
30) Chloroform	3.89	83	270611	48.546	ug/l	98
31) Cyclohexane	3.72	56	222806m	54.002	ug/l	
32) 1,1,1-Trichloroethane	4.12	97	166367	40.704	ug/l	97
36) 1,1-Dichloropropene	4.31	75	222097	53.877	ug/l	98
37) Ethyl Acetate	4.13	43	87716	53.231	ug/l #	93
38) Carbon Tetrachloride	4.02	117	167852	46.575	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	236298	52.894	ug/l	98
40) Benzene	4.67	78	468857	51.113	ug/l	98
41) Methacrylonitrile	4.78	41	43117	49.175	ug/l	95
42) 1,2-Dichloroethane	4.97	62	162138	49.603	ug/l	98
43) Isopropyl Acetate	6.98	43	111748	54.033	ug/l #	90
44) Trichloroethene	5.53	130	150682	53.549	ug/l	92
45) 1,2-Dichloropropane	6.26	63	129943	53.975	ug/l	97
46) Dibromomethane	6.12	93	81189	50.718	ug/l	96
47) Bromodichloromethane	6.41	83	207698	52.440	ug/l	99
48) Methyl methacrylate	6.74	41	72496	52.202	ug/l	95
49) 1,4-Dioxane	6.74	88	10207	1056.854	ug/l #	81
51) 4-Methyl-2-Pentanone	8.29	43	389304	256.052	ug/l	96
52) Toluene	7.66	92	308709	51.105	ug/l	97
53) t-1,3-Dichloropropene	8.31	75	161283	51.282	ug/l	97
54) cis-1,3-Dichloropropene	7.33	75	204490	52.017	ug/l	98
55) 1,1,2-Trichloroethane	8.51	97	87818	51.195	ug/l	95
56) Ethyl methacrylate	8.64	69	100985	50.601	ug/l	98
57) 1,3-Dichloropropane	8.88	76	161747	50.306	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.32	63	68141	317.283	ug/l	93
59) 2-Hexanone	9.52	43	299390	282.387	ug/l	99
60) Dibromochloromethane	8.74	129	124247	49.544	ug/l	98
61) 1,2-Dibromoethane	9.02	107	98221	50.017	ug/l	96
64) Tetrachloroethene	8.18	164	129449	54.360	ug/l	99
65) Chlorobenzene	9.83	112	343921	53.408	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.95	131	133901	52.197	ug/l	97
67) Ethyl Benzene	9.92	91	602174	51.182	ug/l	99
68) m/p-Xylenes	10.16	106	433634	102.474	ug/l	94
69) o-Xylene	10.73	106	245531	53.536	ug/l	95
70) Styrene	10.81	104	316183	50.364	ug/l	96
71) Bromoform	10.79	173	61739	53.565	ug/l #	98
73) Isopropylbenzene	11.15	105	680133	57.094	ug/l	99
74) N-amyl acetate	11.39	43	173956	61.755	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.71	83	112792	53.149	ug/l	100
76) 1,2,3-Trichloropropane	11.82	75	83912	55.028	ug/l	92
77) Bromobenzene	11.51	156	141282	56.157	ug/l	85
78) n-propylbenzene	11.61	91	766282	53.245	ug/l	98
79) 2-Chlorotoluene	11.74	91	444788	53.813	ug/l	94
80) 1,3,5-Trimethylbenzene	11.84	105	542895	56.471	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.89	75	37982m	57.298	ug/l	
82) 4-Chlorotoluene	11.92	91	450594	54.024	ug/l	100
83) tert-Butylbenzene	12.15	119	555629	55.840	ug/l	96
84) 1,2,4-Trimethylbenzene	12.22	105	545314	55.068	ug/l	97
85) sec-Butylbenzene	12.32	105	753654	55.773	ug/l	97
86) p-Isopropyltoluene	12.48	119	619909	55.885	ug/l	98
87) 1,3-Dichlorobenzene	12.49	146	260573	52.371	ug/l	99
88) 1,4-Dichlorobenzene	12.59	146	251503	52.902	ug/l	97
89) n-Butylbenzene	12.86	91	617352	53.965	ug/l	99
90) Hexachloroethane	12.93	117	163235	62.427	ug/l	93
91) 1,2-Dichlorobenzene	12.96	146	252678	53.689	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.66	75	20871	55.447	ug/l	93

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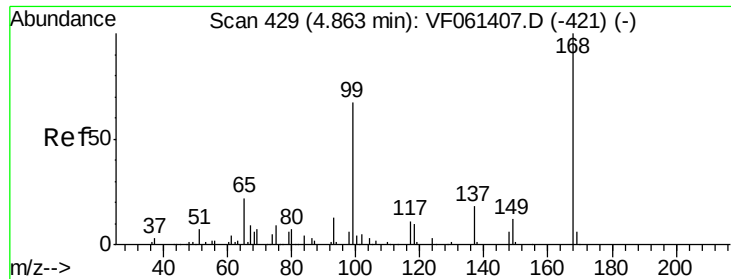
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	178121	54.027	ug/l	98
94) Hexachlorobutadiene	14.21	225	112303	54.895	ug/l	97
95) Naphthalene	14.47	128	334369	53.381	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	162815	53.348	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.03 min

Lab File: VF061492.D

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Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 207927

Ion Ratio Lower Upper

168 100

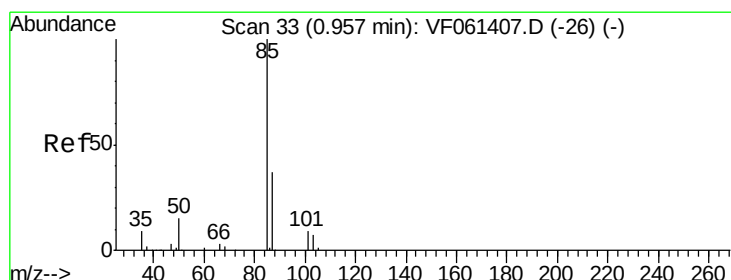
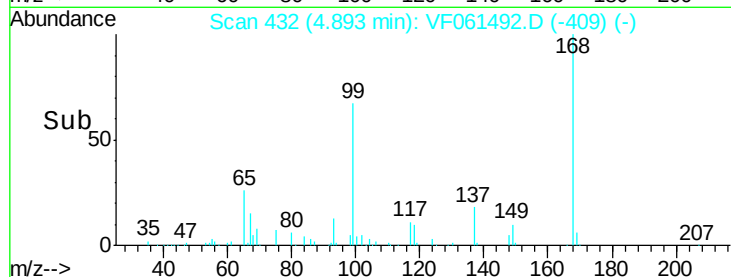
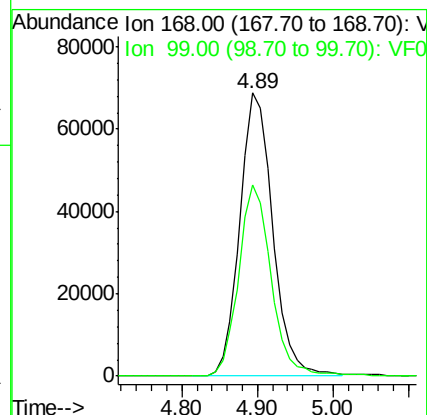
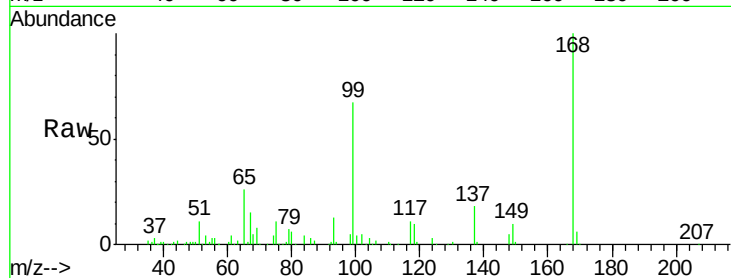
99 67.5 53.5 80.3

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#2

Dichlorodifluoromethane

Concen: 48.685 ug/l

RT: 0.97 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061492.D

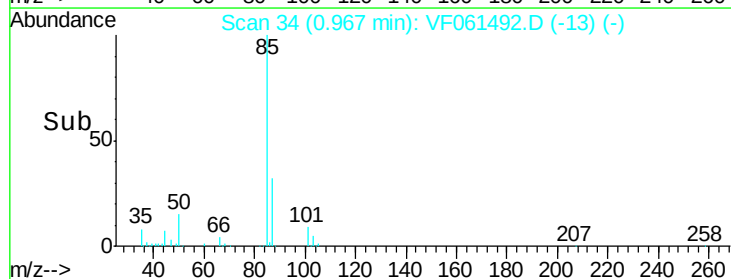
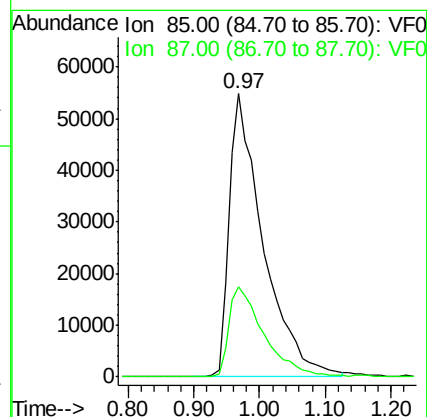
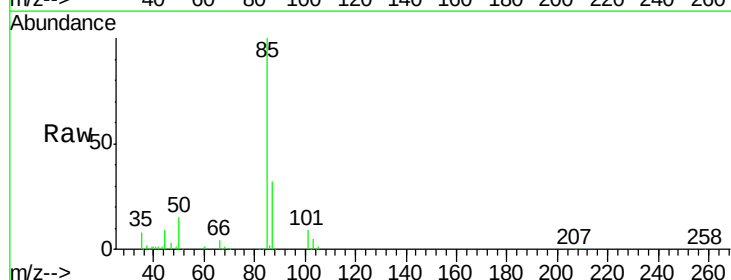
Acq: 24 Jan 2019 10:54

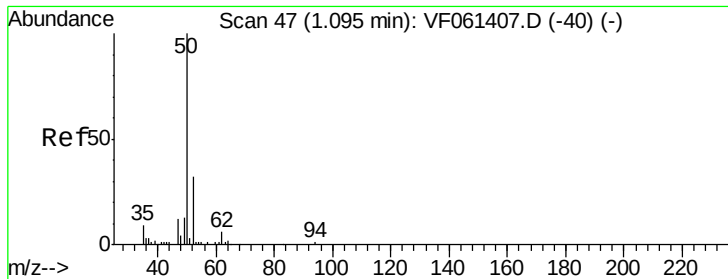
Tgt Ion: 85 Resp: 198899

Ion Ratio Lower Upper

85 100

87 31.7 18.4 55.0





#3

Chloromethane

Concen: 50.974 ug/l

RT: 1.11 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 152700

Ion Ratio Lower Upper

50 100

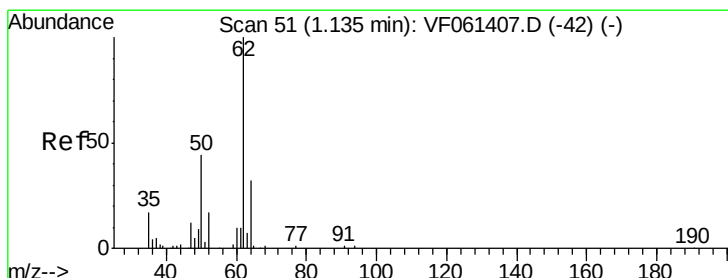
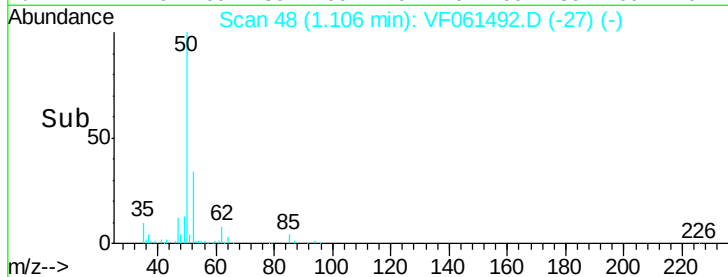
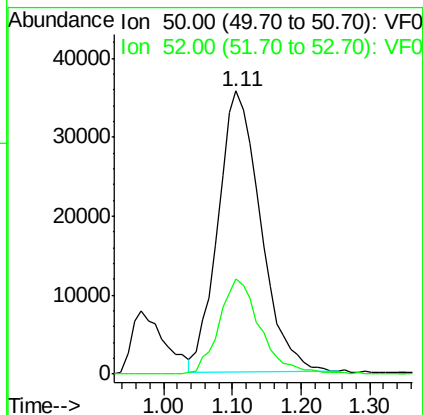
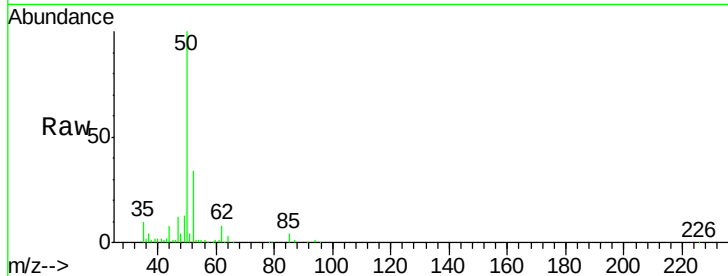
52 33.8 24.6 36.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.458 ug/l

RT: 1.15 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061492.D

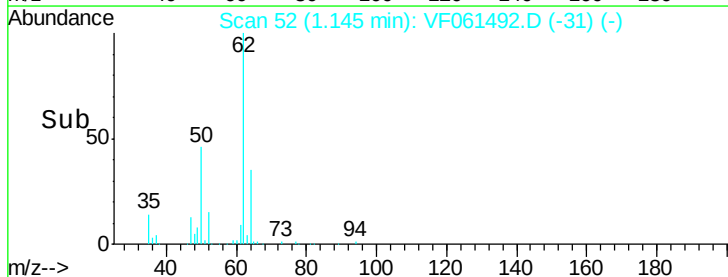
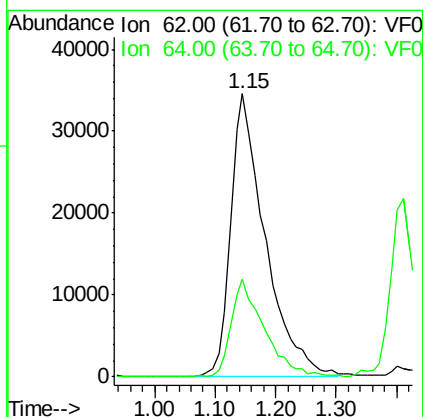
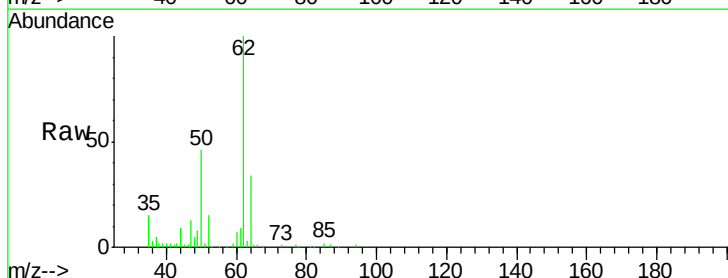
Acq: 24 Jan 2019 10:54

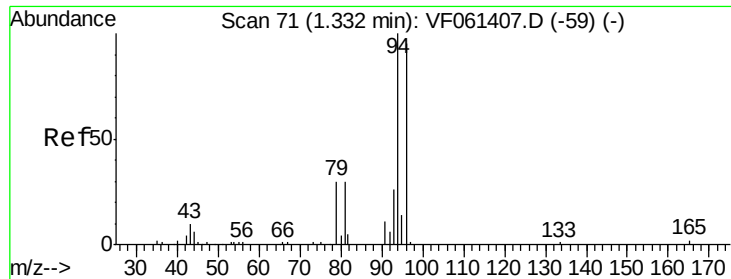
Tgt Ion: 62 Resp: 137122

Ion Ratio Lower Upper

62 100

64 34.5 25.6 38.4





#5

Bromomethane

Concen: 51.989 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 90339

Ion Ratio Lower Upper

94 100

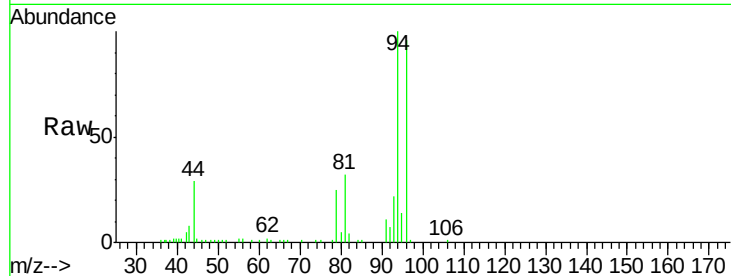
96 96.1 76.0 114.0

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

20000

15000

10000

5000

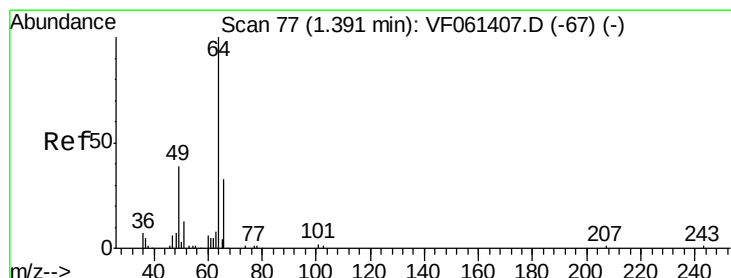
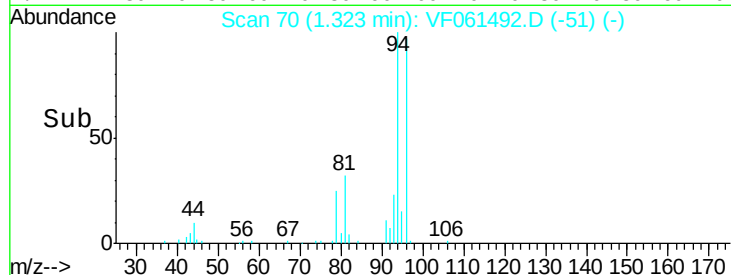
0

Time-->

1.20

1.40

1.60



#6

Chloroethane

Concen: 54.659 ug/l

RT: 1.41 min Scan# 79

Delta R.T. 0.02 min

Lab File: VF061492.D

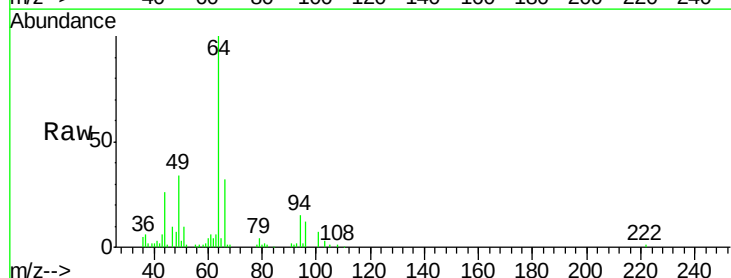
Acq: 24 Jan 2019 10:54

Tgt Ion: 64 Resp: 64539

Ion Ratio Lower Upper

64 100

66 32.0 26.6 40.0



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

25000

20000

15000

10000

5000

0

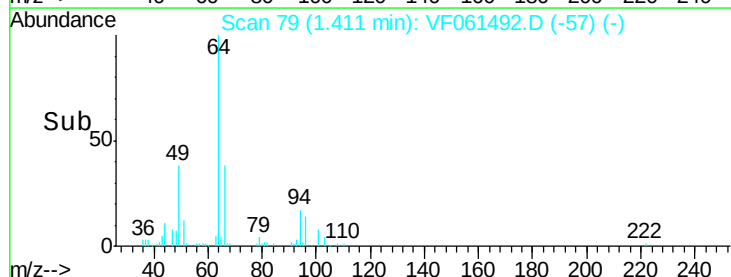
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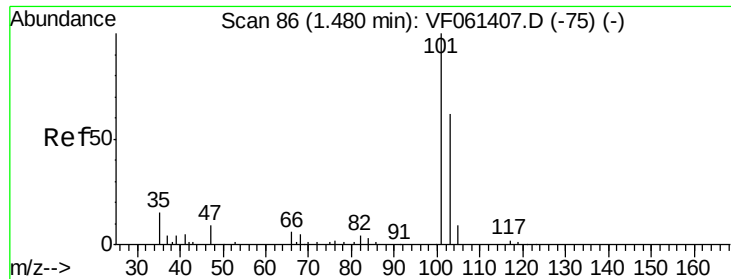
1.30

1.40

1.50

1.60





#7

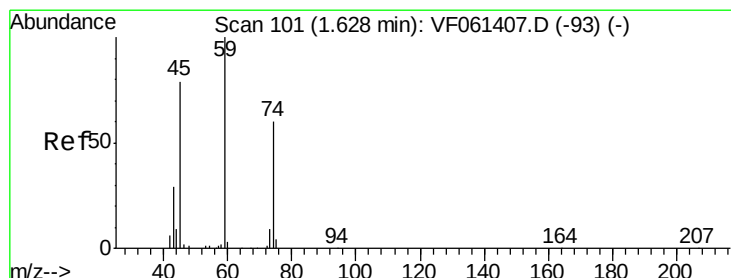
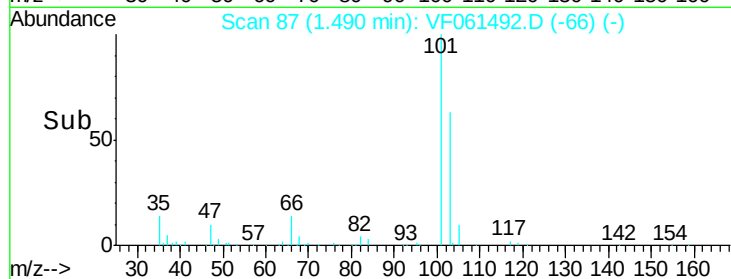
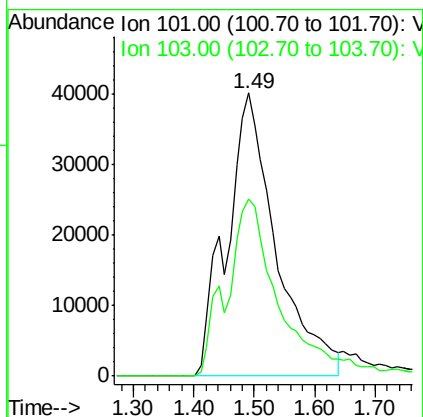
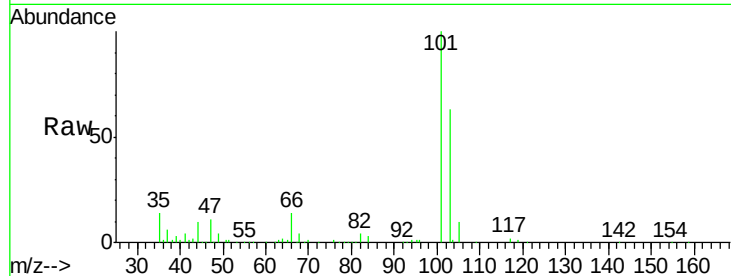
Trichlorofluoromethane
Concen: 43.979 ug/l
RT: 1.49 min Scan# 87
Delta R.T. 0.01 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	49.7	74.5

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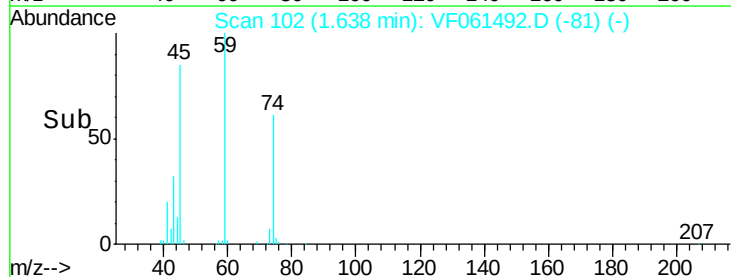
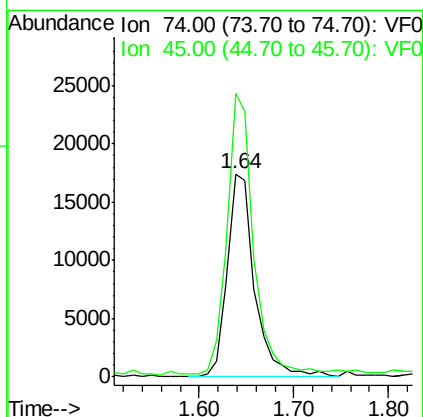
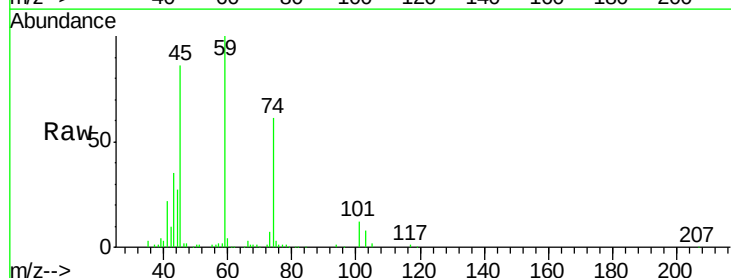
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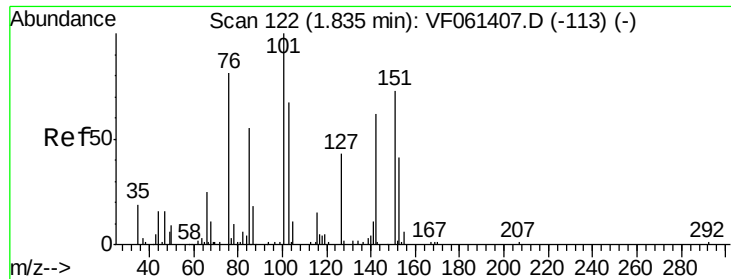


#8

Diethyl Ether
Concen: 52.517 ug/l
RT: 1.64 min Scan# 102
Delta R.T. 0.01 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	139.5	65.8	197.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.627 ug/l

RT: 1.86 min Scan# 124

Delta R.T. 0.02 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

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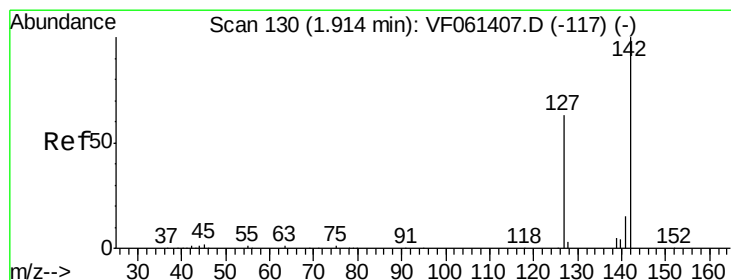
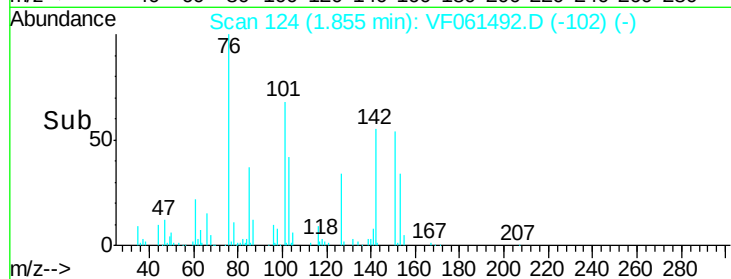
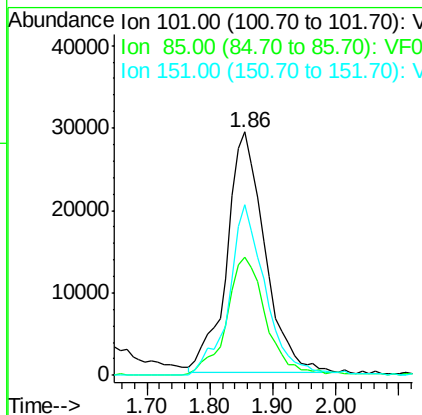
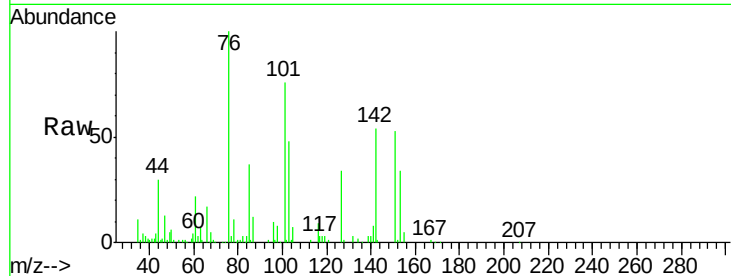
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	121041
Ion Ratio	Lower	Upper	
101	100		
85	48.3	41.9	62.9
151	70.3	55.1	82.7

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#10

Methyl Iodide

Concen: 52.967 ug/l m

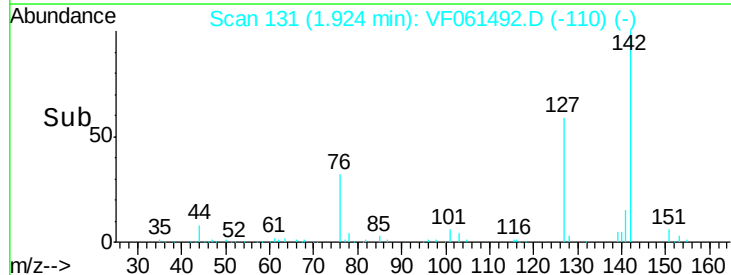
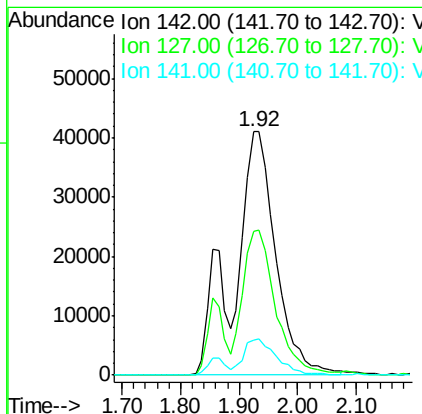
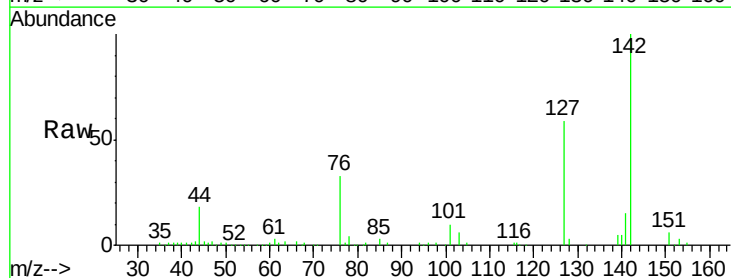
RT: 1.92 min Scan# 131

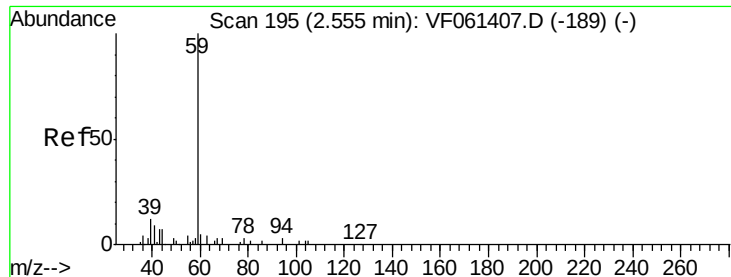
Delta R.T. 0.01 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Tgt Ion:	142	Resp:	204394
Ion Ratio	Lower	Upper	
142	100		
127	59.2	50.7	76.1
141	14.6	11.8	17.6





#11

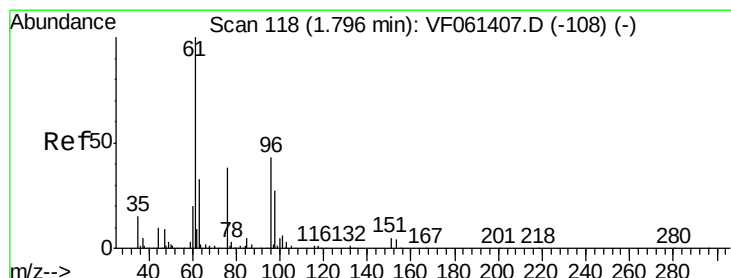
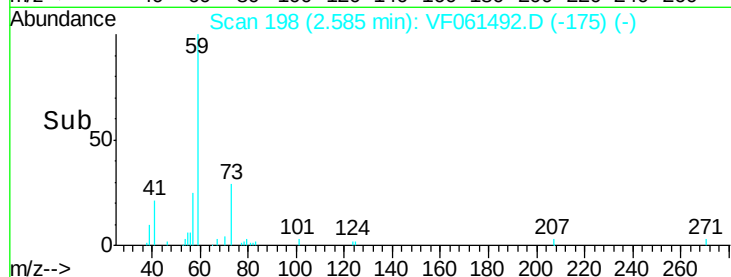
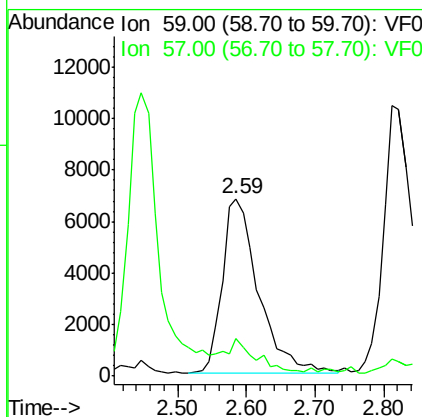
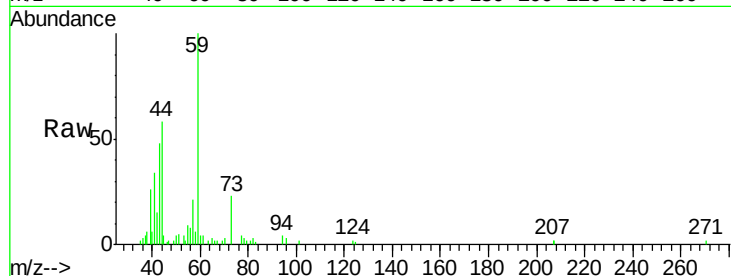
Tert butyl alcohol
Concen: 227.136 ug/l
RT: 2.59 min Scan# 198
Delta R.T. 0.03 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	24681
Ion Ratio	100	Lower	Upper
57	21.2	11.9	17.9#

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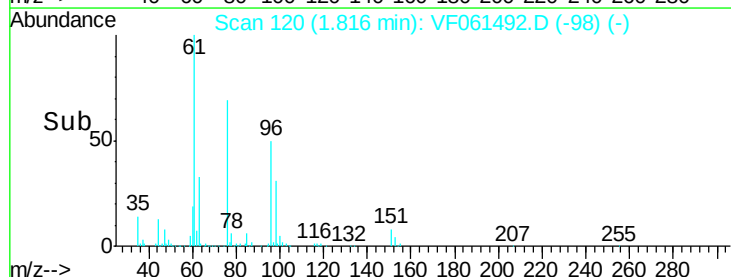
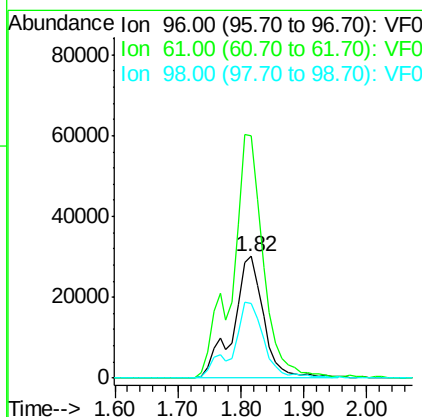
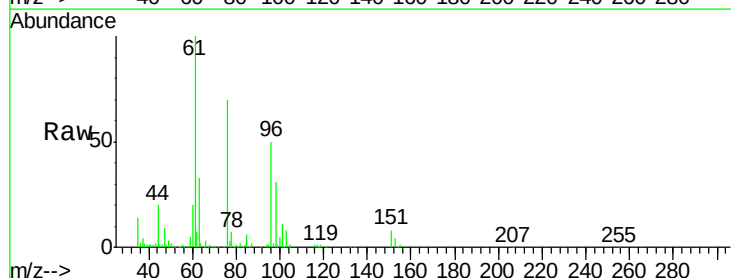
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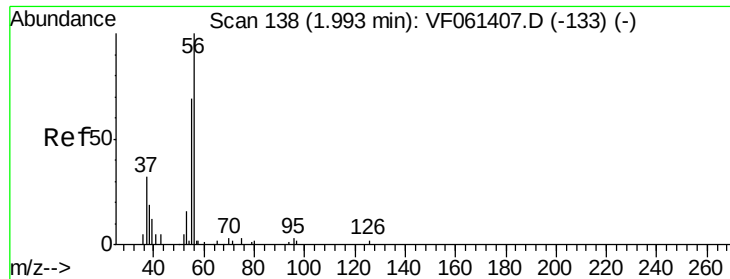


#12

1,1-Dichloroethene
Concen: 54.925 ug/l
RT: 1.82 min Scan# 120
Delta R.T. 0.02 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Tgt Ion	96	Resp	101572
Ion Ratio	100	Lower	Upper
61	198.9	186.9	280.3
98	60.8	53.0	79.4





#13

Acrolein

Concen: 294.721 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.02 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Tot Ion: 56 Resp: 27765

Ion Ratio Lower Upper

56 100

55 73.5 57.5 86.3

Instrument :

MSVOA_F

ClientSampleId :

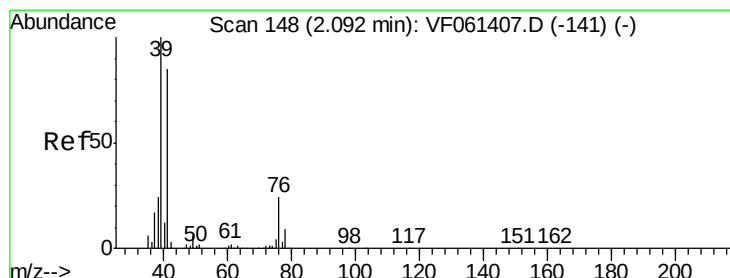
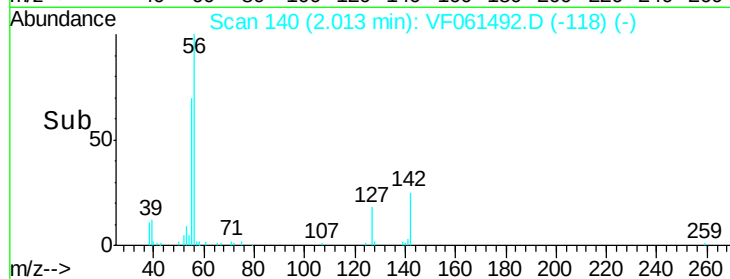
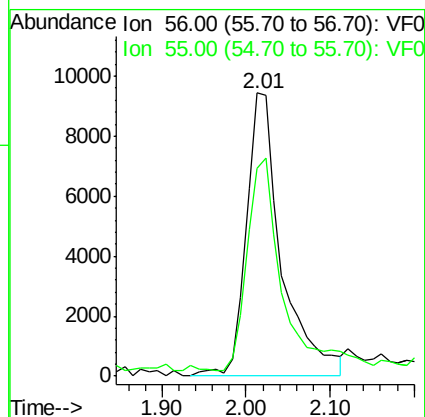
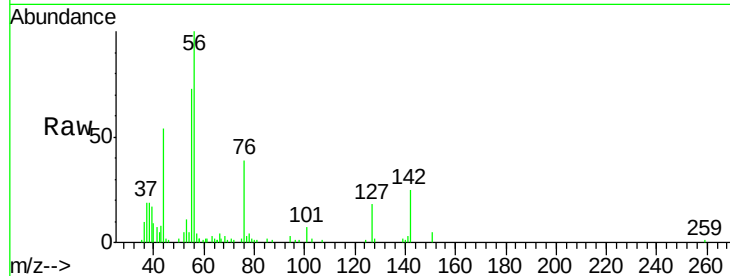
VSTDCCC050

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#14

Allyl chloride

Concen: 68.085 ug/l

RT: 2.11 min Scan# 150

Delta R.T. 0.02 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

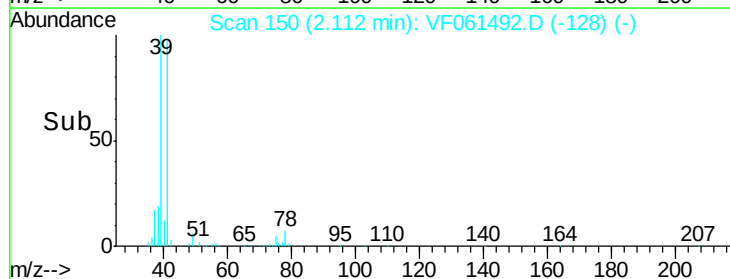
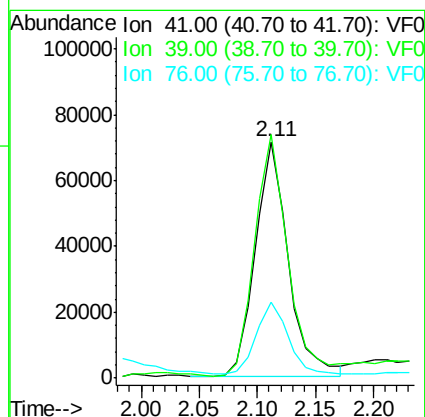
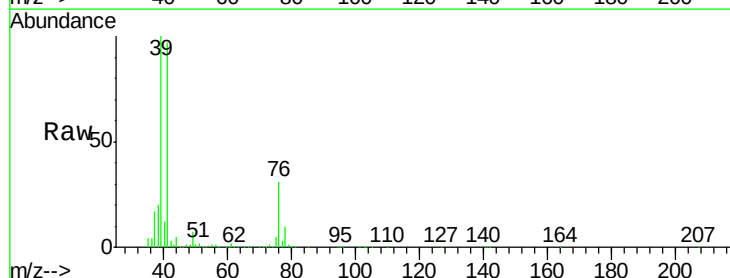
Tgt Ion: 41 Resp: 140884

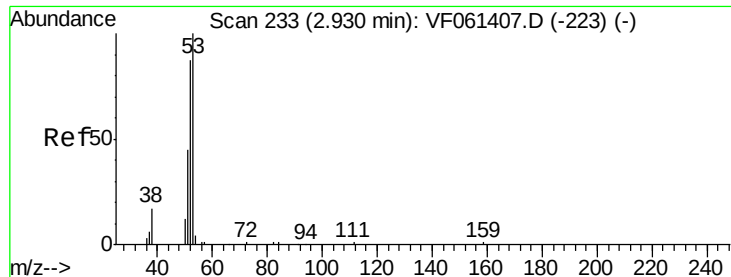
Ion Ratio Lower Upper

41 100

39 103.0 94.6 141.8

76 32.0 25.9 38.9





#15

Acrylonitrile

Concen: 241.560 ug/l

RT: 2.96 min Scan# 236

Delta R.T. 0.03 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

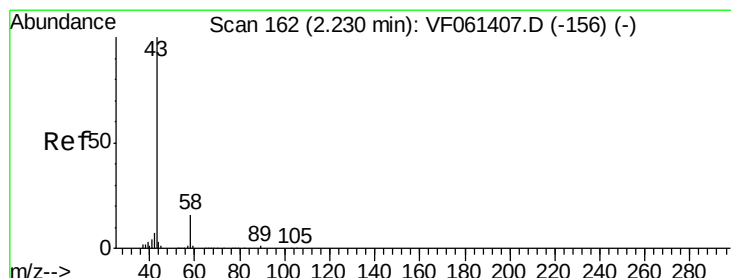
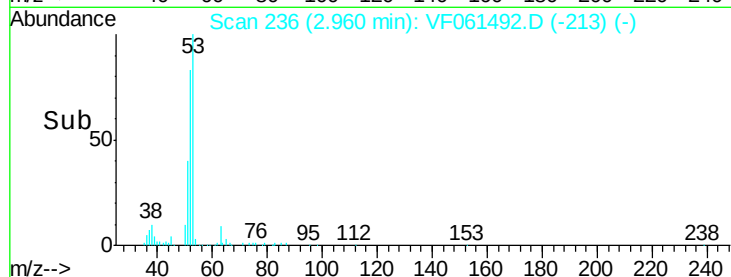
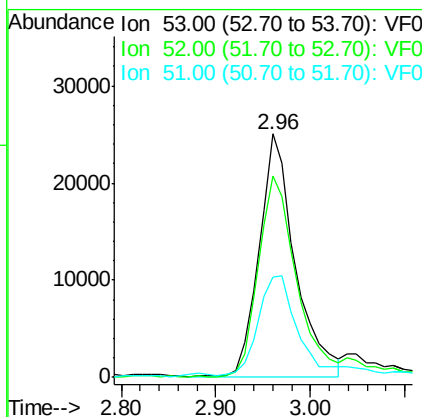
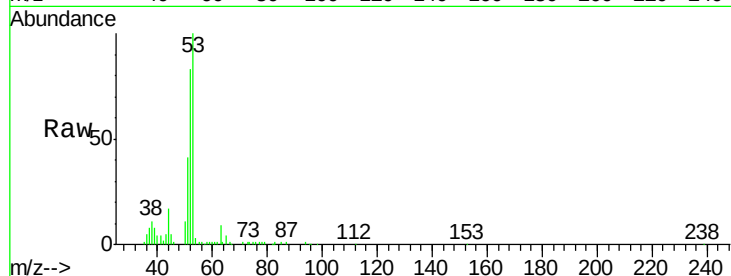
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	67235
Ion	Ratio	Lower	Upper
53	100		
52	82.5	69.6	104.4
51	41.0	36.8	55.2

Manual Integrations
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#16

Acetone

Concen: 294.057 ug/l

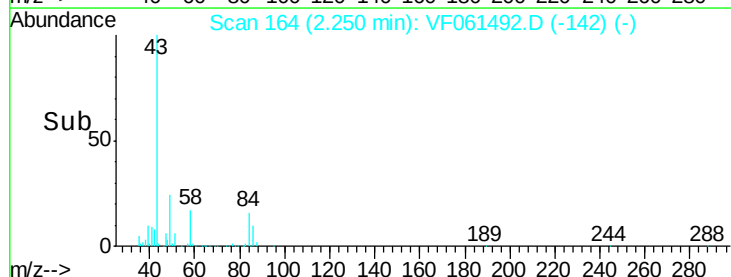
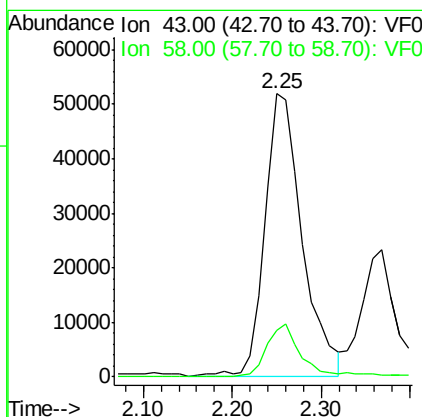
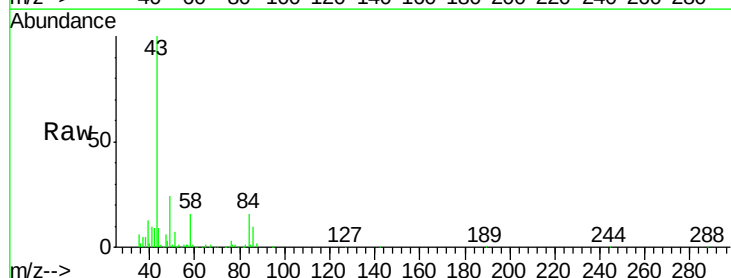
RT: 2.25 min Scan# 164

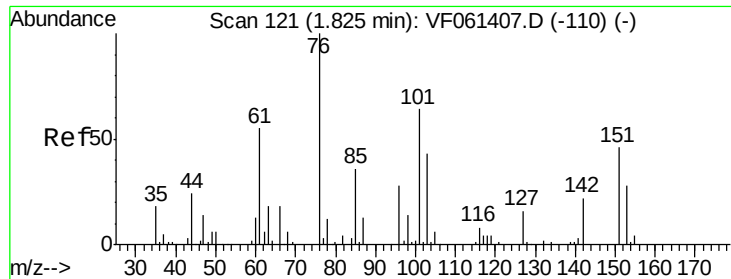
Delta R.T. 0.02 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Tgt Ion:	43	Resp:	151438
Ion	Ratio	Lower	Upper
43	100		
58	16.3	13.3	19.9





#17

Carbon Disulfide

Concen: 55.768 ug/l m

RT: 1.84 min Scan# 122

Delta R.T. 0.01 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Tot Ion: 76 Resp: 321573

Ion Ratio Lower Upper

76 100

78 10.0 9.6 14.4

Instrument :

MSVOA_F

ClientSampleId :

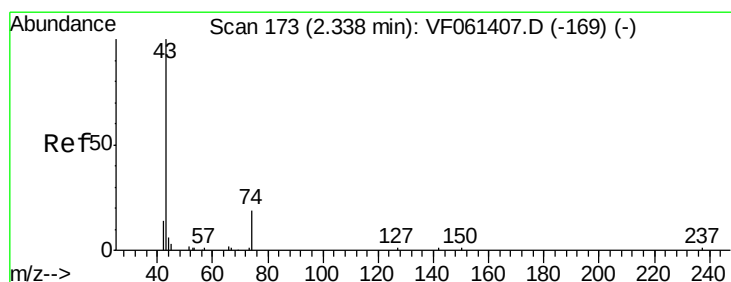
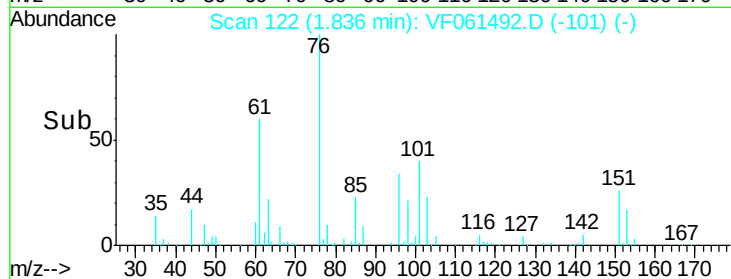
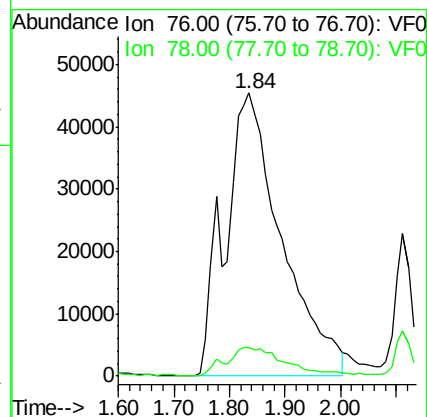
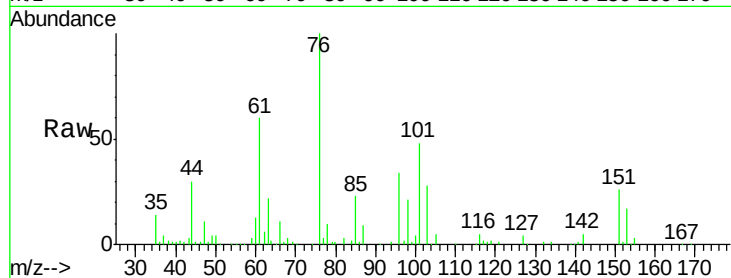
VSTDCCC050

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#18

Methyl Acetate

Concen: 51.676 ug/l

RT: 2.37 min Scan# 176

Delta R.T. 0.03 min

Lab File: VF061492.D

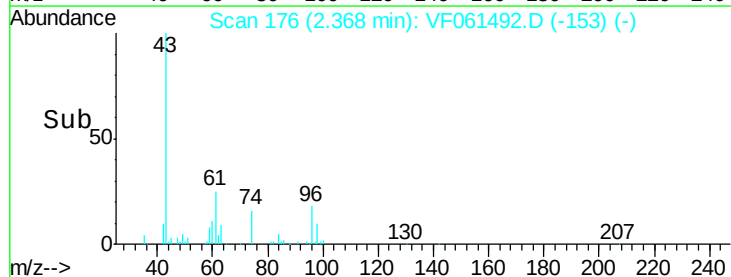
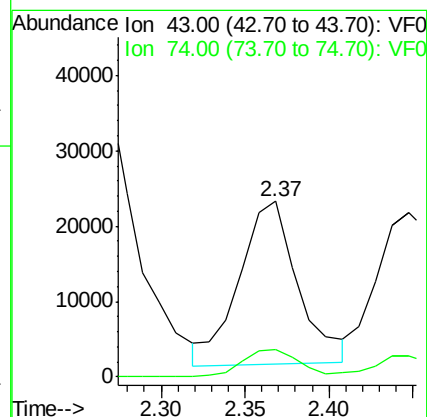
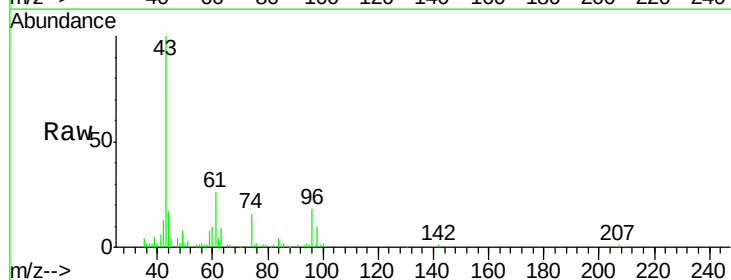
Acq: 24 Jan 2019 10:54

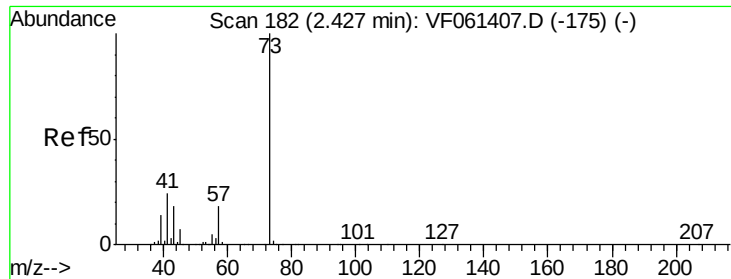
Tgt Ion: 43 Resp: 52778

Ion Ratio Lower Upper

43 100

74 15.9 13.4 20.0





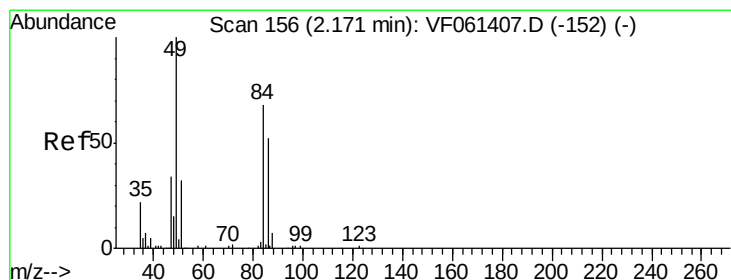
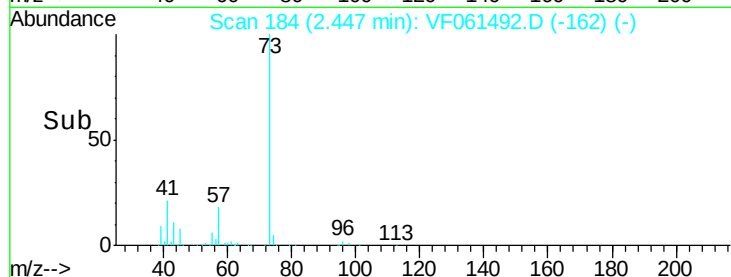
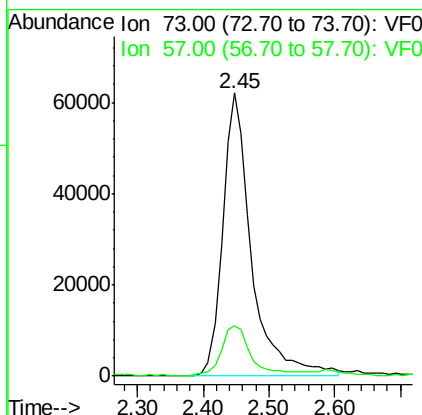
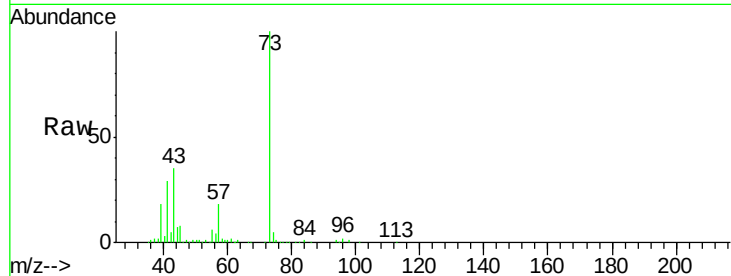
#19
Methyl tert-butyl Ether
Concen: 45.710 ug/l
RT: 2.45 min Scan# 184
Delta R.T. 0.02 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.7	14.8	22.2

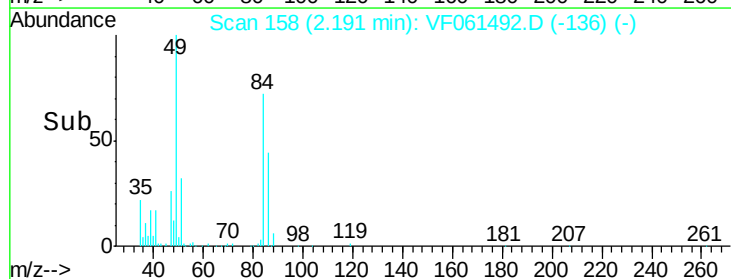
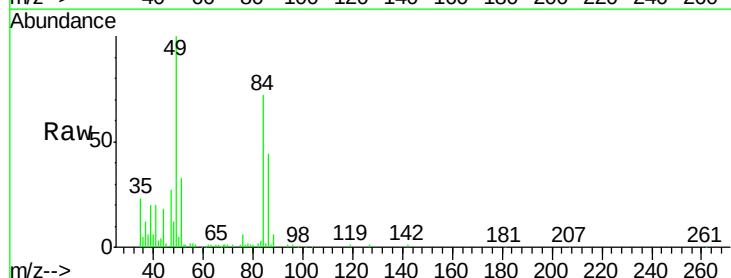
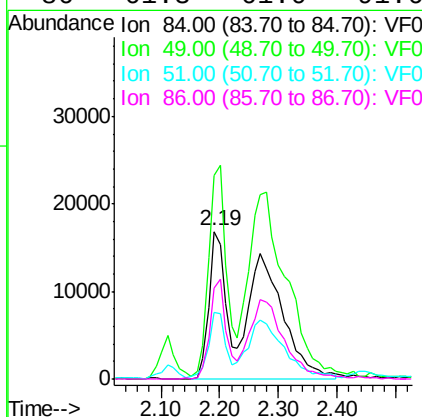
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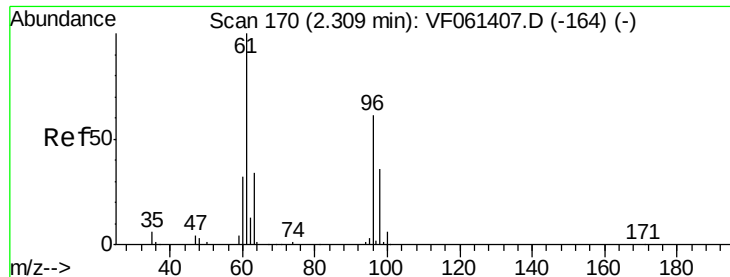
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#20
Methylene Chloride
Concen: 52.983 ug/l m
RT: 2.19 min Scan# 158
Delta R.T. 0.02 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	138.0	120.0	180.0
51	45.3	38.6	58.0
86	61.3	61.0	91.6





#21

trans-1,2-Dichloroethene

Concen: 51.253 ug/l

RT: 2.33 min Scan# 172

Delta R.T. 0.02 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

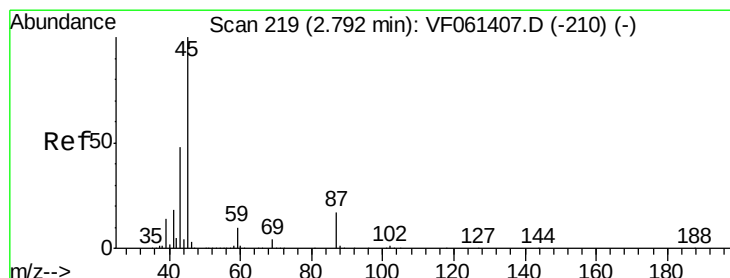
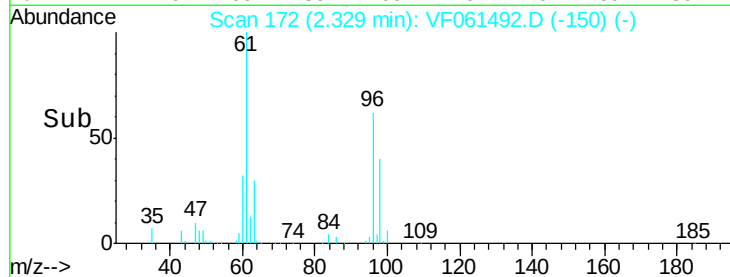
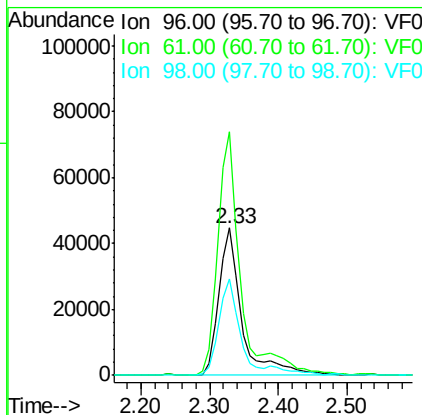
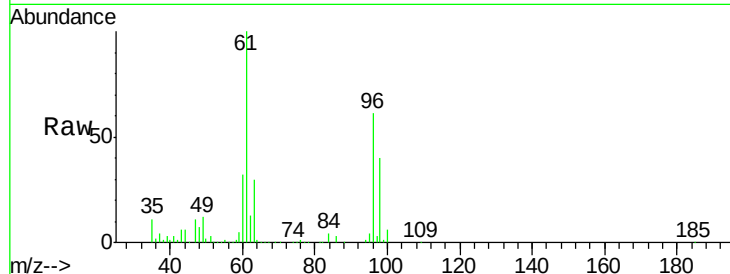
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	104283
Ion	Ratio	Lower	Upper
96	100		
61	165.2	131.8	197.8
98	65.4	47.4	71.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.605 ug/l

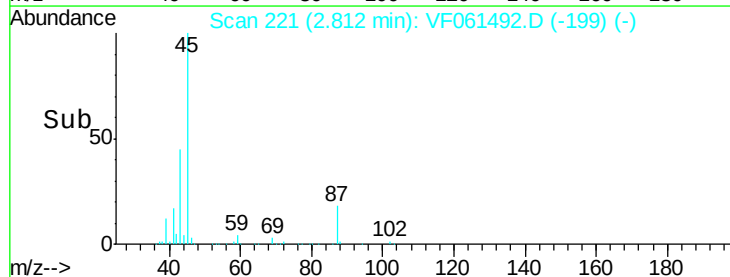
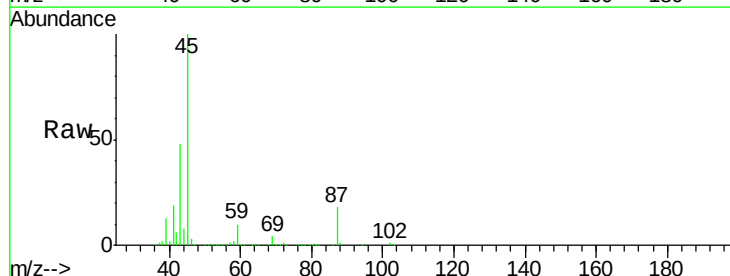
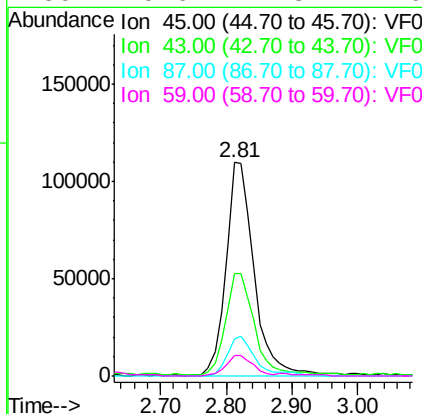
RT: 2.81 min Scan# 221

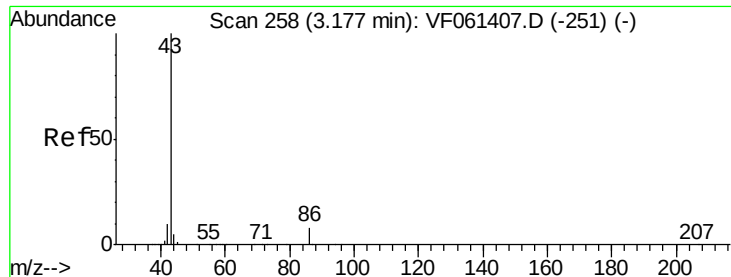
Delta R.T. 0.02 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Tgt Ion:	45	Resp:	326452
Ion	Ratio	Lower	Upper
45	100		
43	47.7	39.0	58.6
87	17.6	13.9	20.9
59	9.6	7.8	11.6





#23

Vinyl Acetate

Concen: 255.348 ug/l

RT: 3.21 min Scan# 261

Delta R.T. 0.03 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 739343

Ion Ratio Lower Upper

43 100

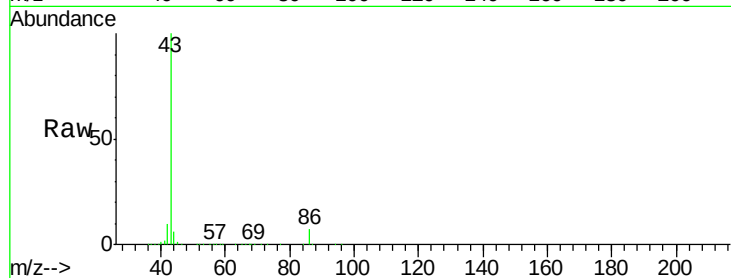
86 7.2 6.2 9.4

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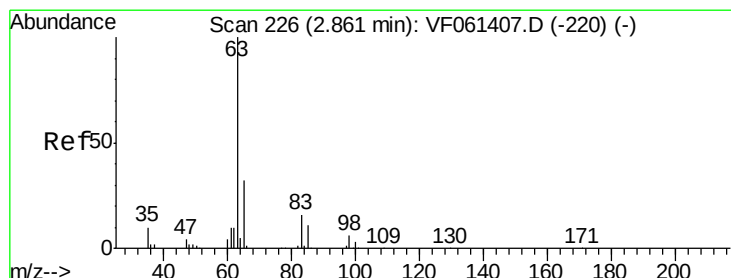
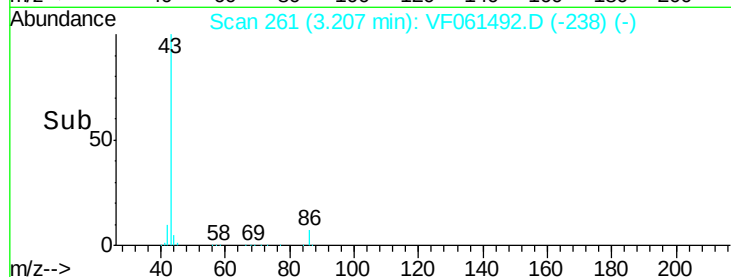
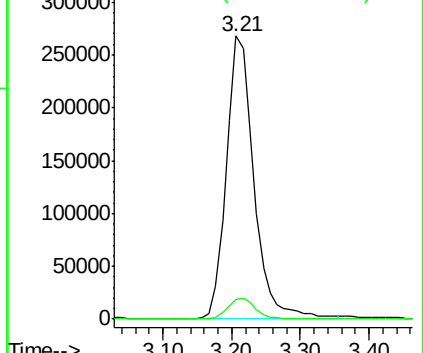
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 49.179 ug/l

RT: 2.89 min Scan# 229

Delta R.T. 0.03 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

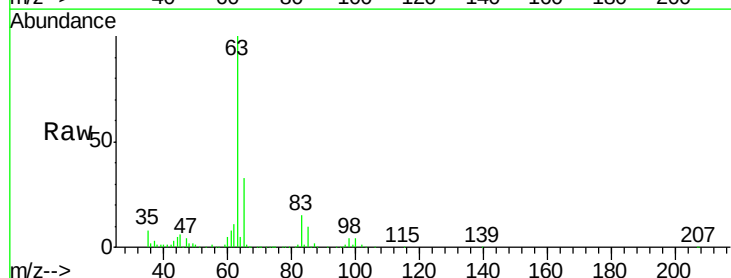
Tgt Ion: 63 Resp: 203129

Ion Ratio Lower Upper

63 100

98 4.4 2.9 8.8

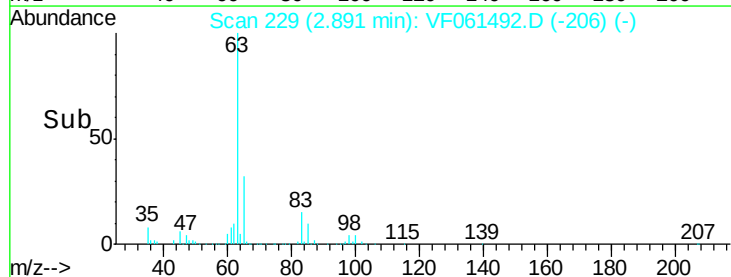
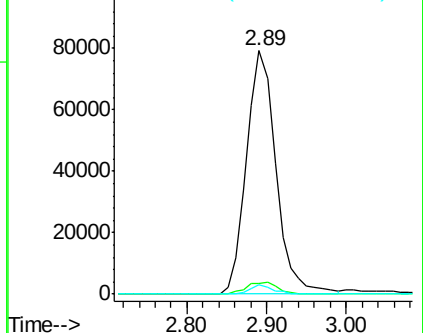
100 3.6 1.6 4.8

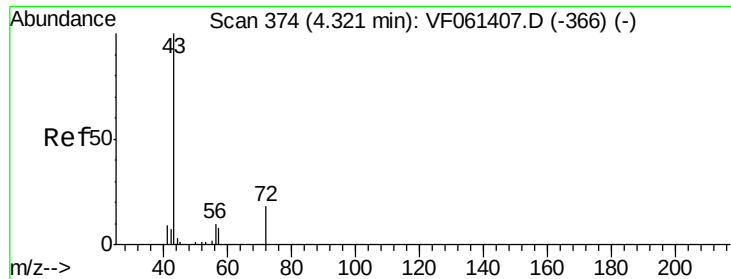


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 282.406 ug/l

RT: 4.36 min Scan# 378

Delta R.T. 0.04 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 241857

Ion Ratio Lower Upper

43 100

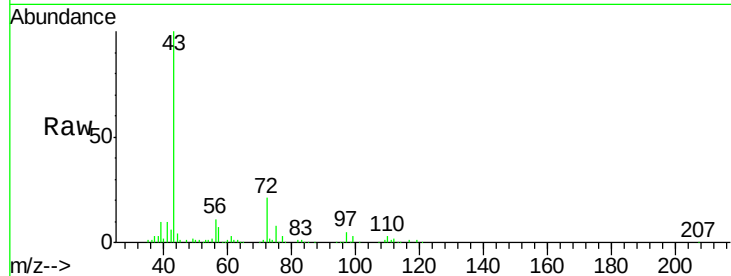
72 21.0 15.8 23.6

Manual Integrations

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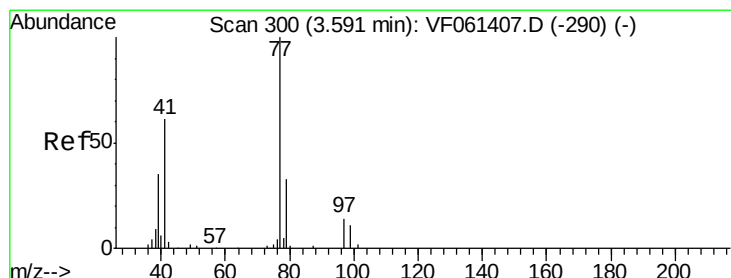
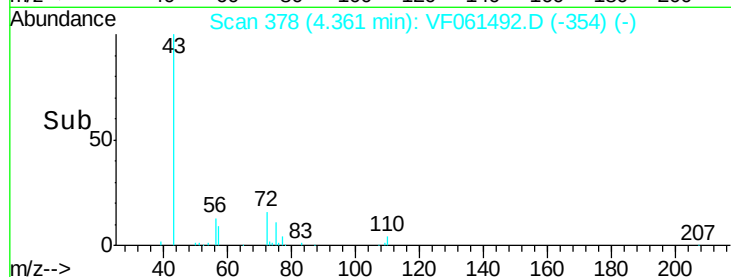
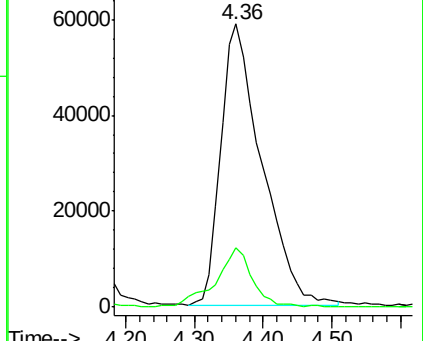
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 44.777 ug/l

RT: 3.62 min Scan# 303

Delta R.T. 0.03 min

Lab File: VF061492.D

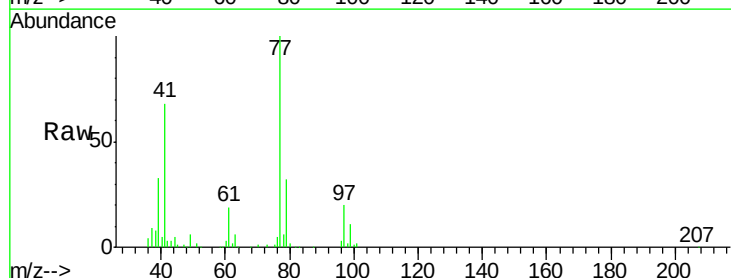
Acq: 24 Jan 2019 10:54

Tgt Ion: 77 Resp: 113631

Ion Ratio Lower Upper

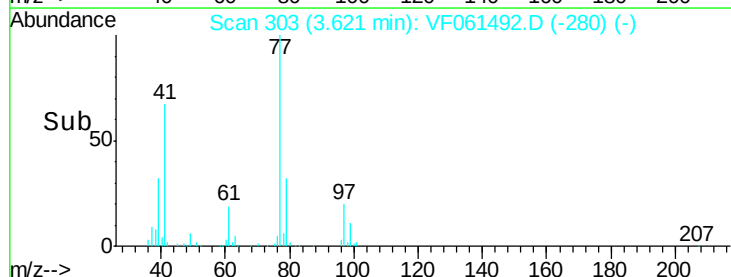
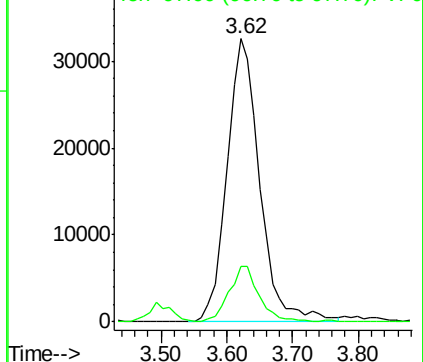
77 100

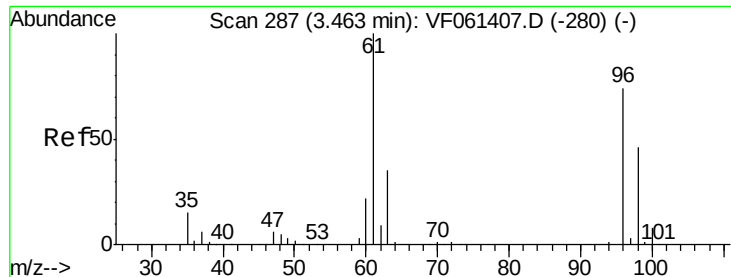
97 19.8 8.5 25.5



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

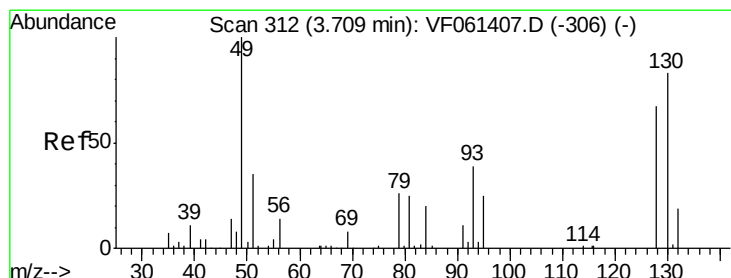
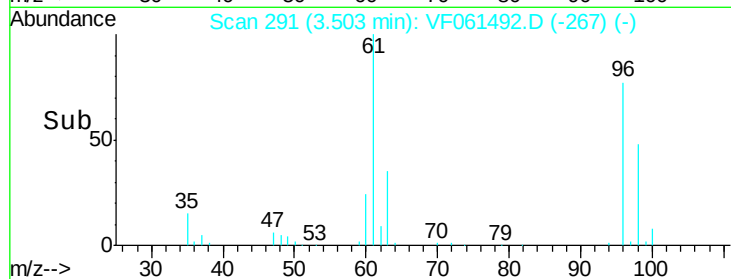
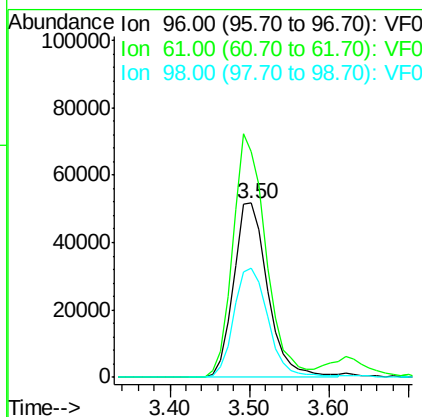
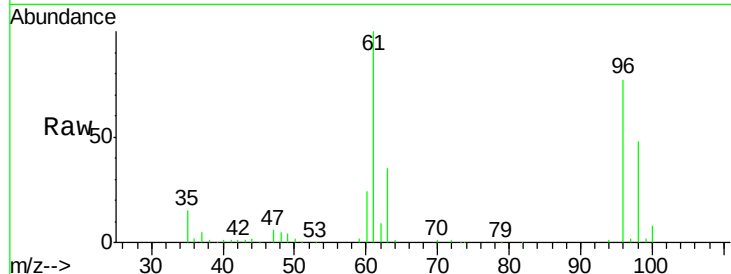
cis-1,2-Dichloroethene
Concen: 51.426 ug/l
RT: 3.50 min Scan# 291
Delta R.T. 0.04 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	154457		
61	129.8	0.0	270.2	
98	62.6	0.0	124.0	

Manual Integrations
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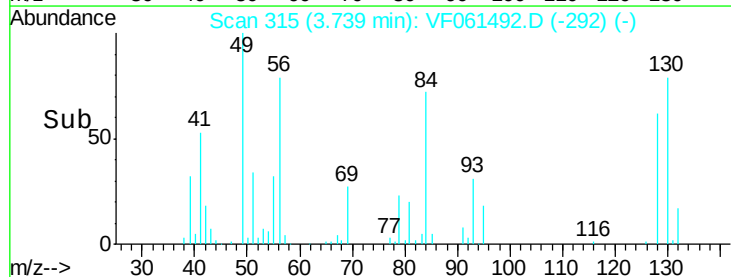
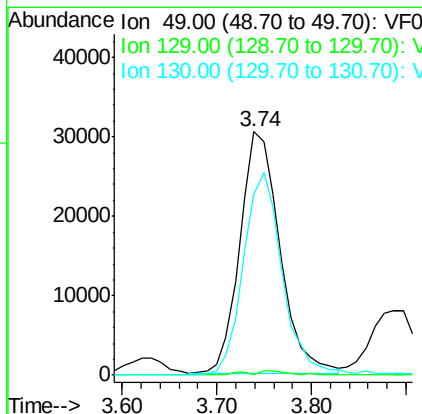
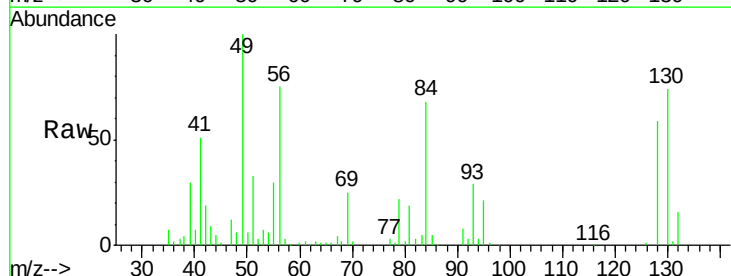
MMDadoda
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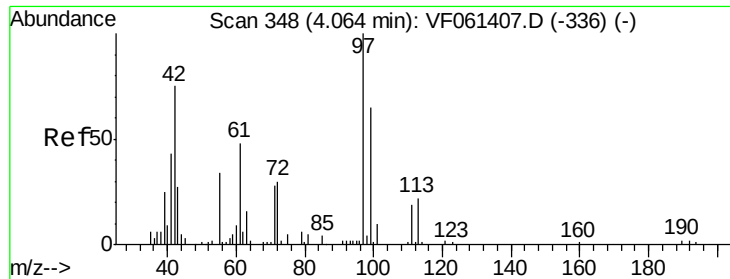


#28

Bromochloromethane
Concen: 47.938 ug/l
RT: 3.74 min Scan# 315
Delta R.T. 0.03 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	89003		
129	0.0	0.0	0.0	
130	74.2	65.4	98.2	





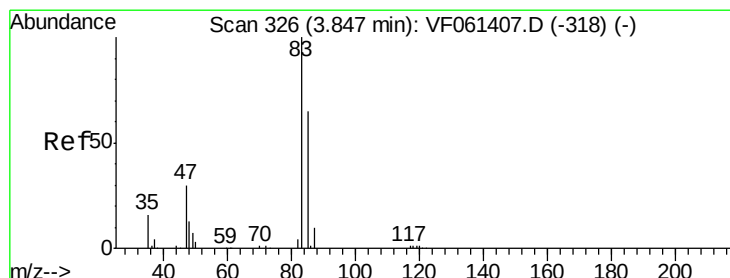
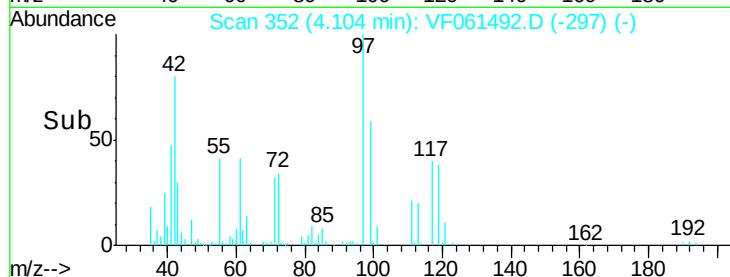
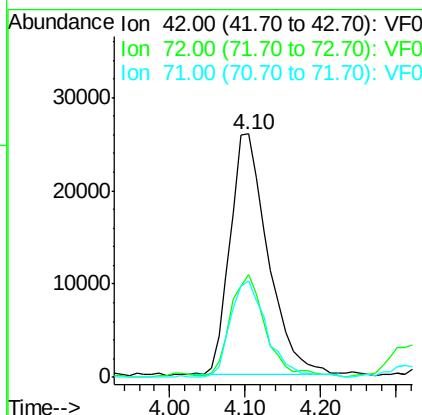
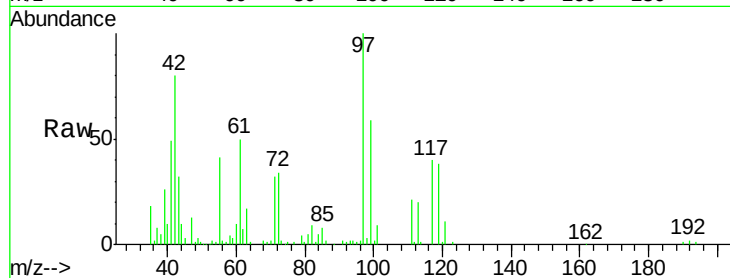
#29
Tetrahydrofuran
Concen: 244.314 ug/l
RT: 4.10 min Scan# 352
Delta R.T. 0.04 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
42	100	90095		
72	39.8		28.9	43.3
71	38.5		29.6	44.4

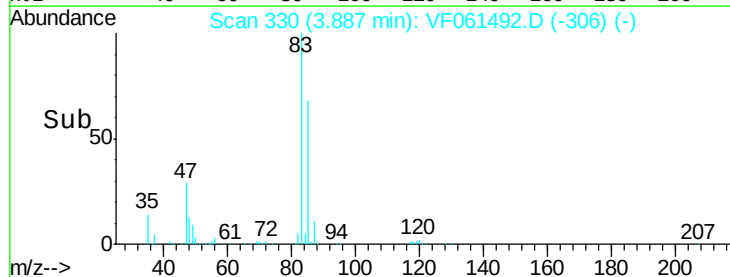
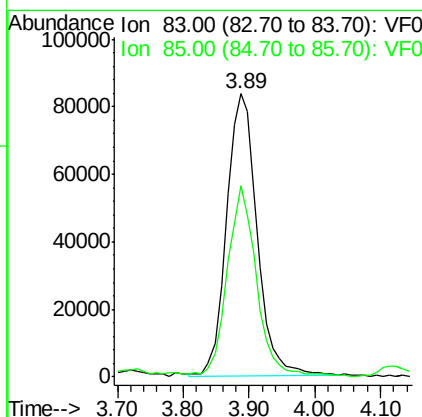
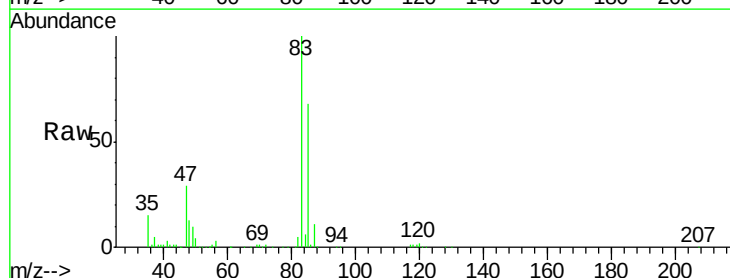
Manual Integrations
APPROVED

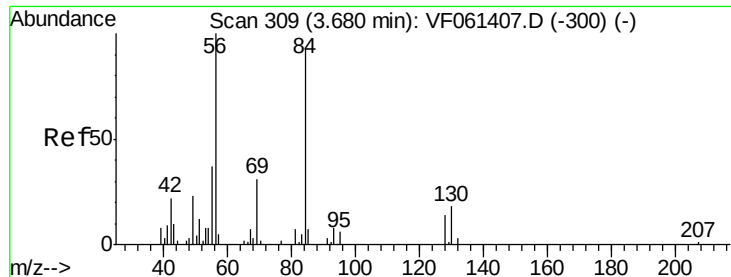
MMDadoda
1/25/2019 10:26:23 AM



#30
Chloroform
Concen: 48.546 ug/l
RT: 3.89 min Scan# 330
Delta R.T. 0.04 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	270611		
85	67.7		52.7	79.1





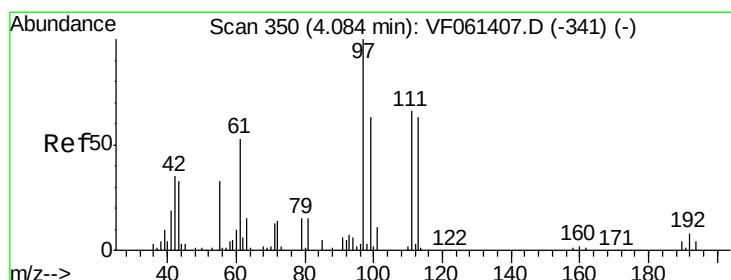
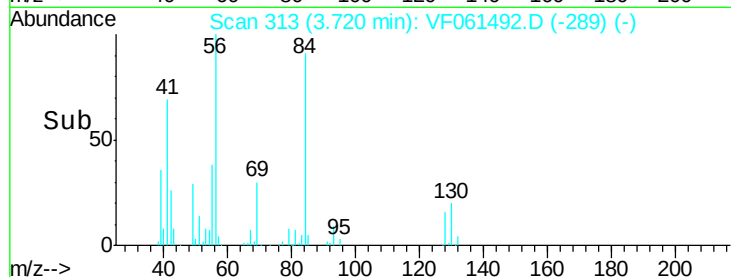
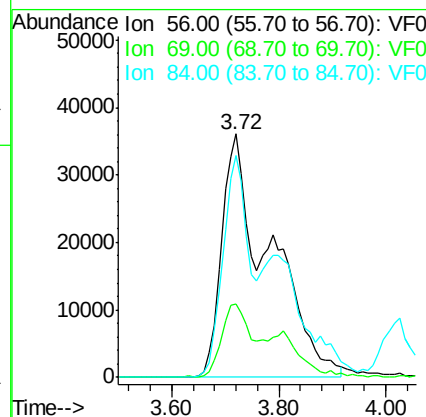
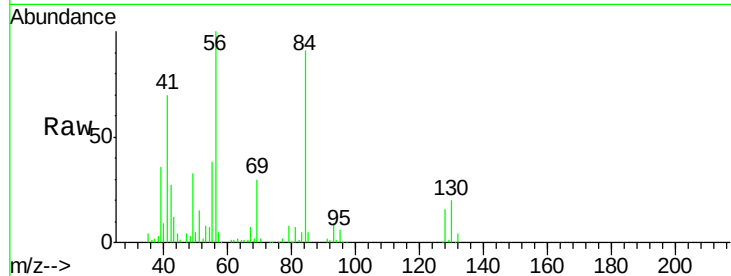
#31
Cyclohexane
Concen: 54.002 ug/l m
RT: 3.72 min Scan# 313
Delta R.T. 0.04 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
56	100	222806		
69	30.0		24.6	36.8
84	91.0		74.2	111.2

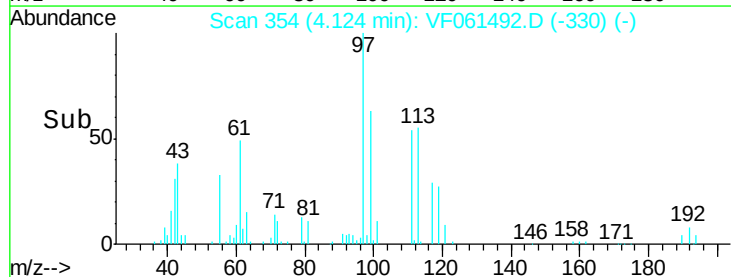
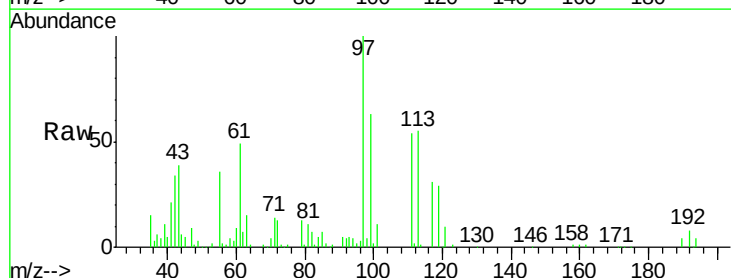
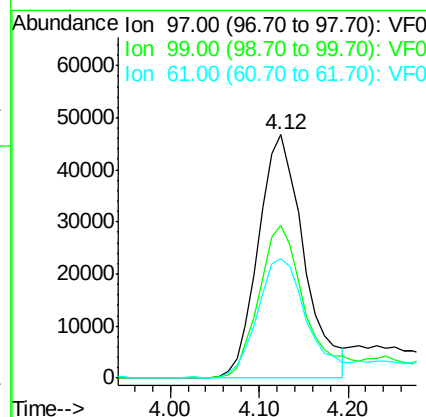
Manual Integrations
APPROVED

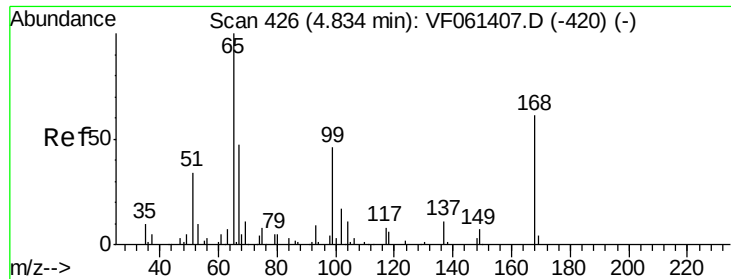
MMDadoda
1/25/2019 10:26:23 AM



#32
1,1,1-Trichloroethane
Concen: 40.704 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.04 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	166367		
99	62.8		50.1	75.1
61	48.8		43.1	64.7





#33

1,2-Dichloroethane-d4

Concen: 36.956 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.04 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 94870

Ion Ratio Lower Upper

65 100

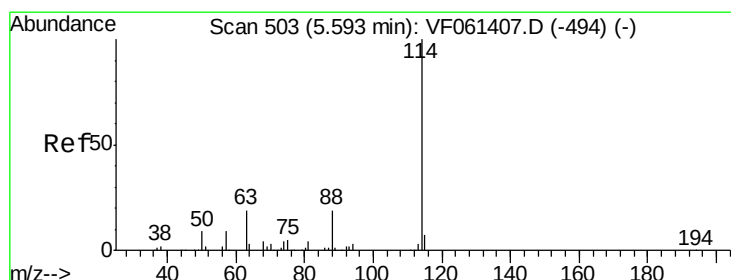
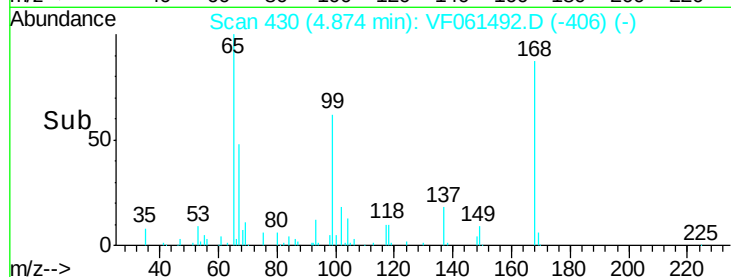
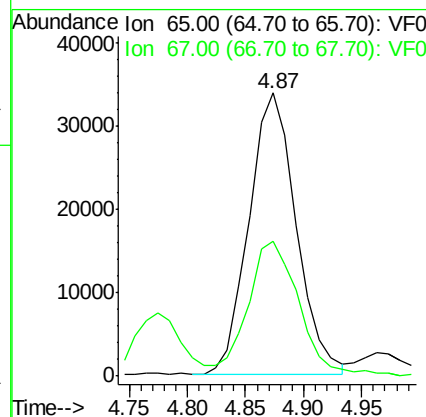
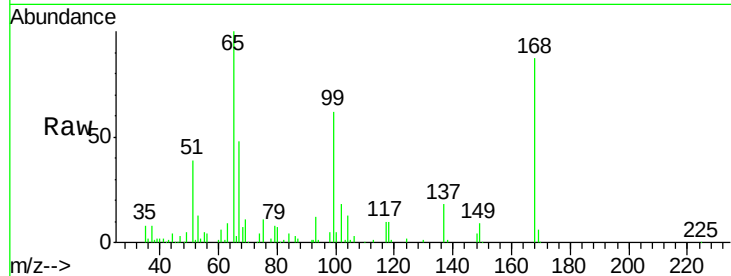
67 47.5 0.0 99.8

Manual Integrations

APPROVED

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 506

Delta R.T. 0.03 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

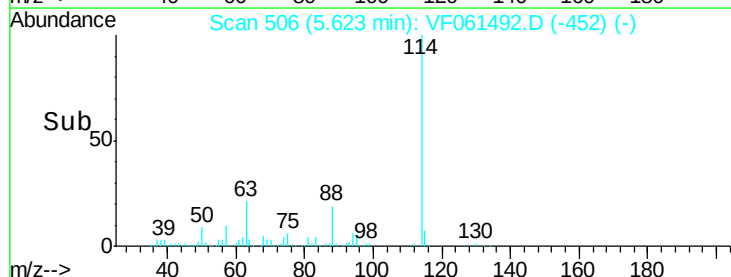
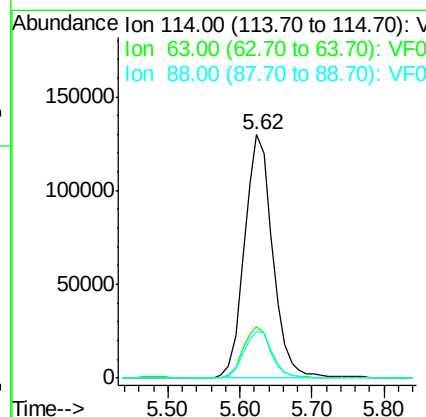
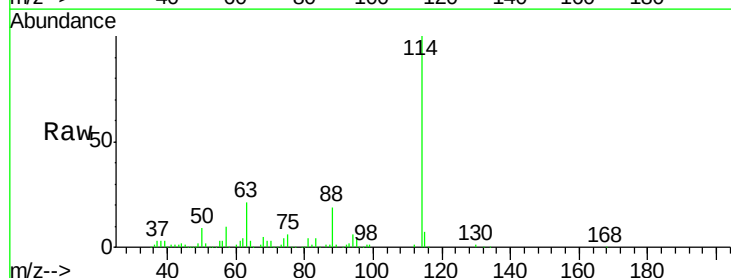
Tgt Ion: 114 Resp: 355541

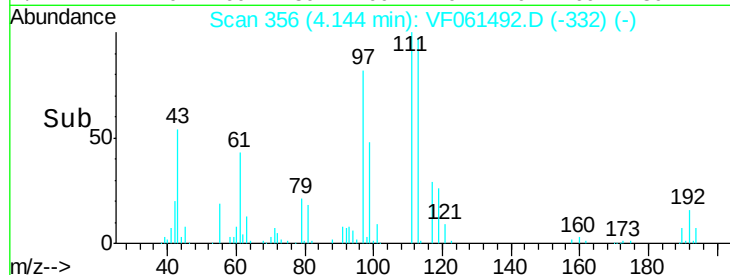
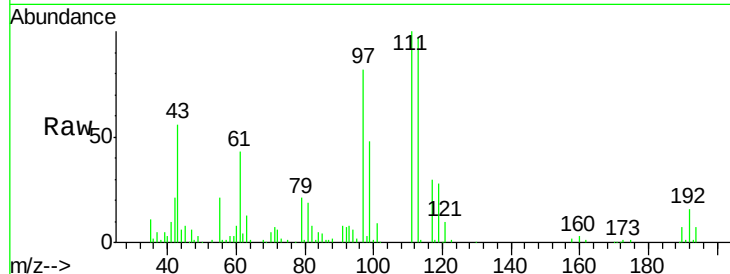
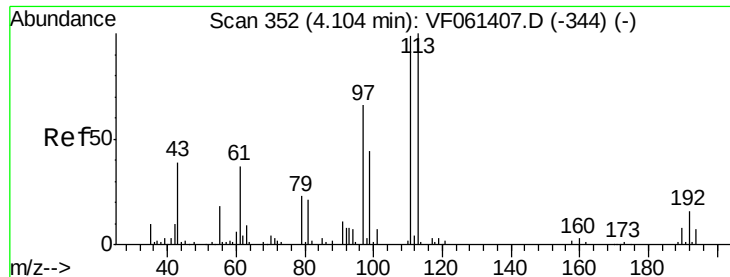
Ion Ratio Lower Upper

114 100

63 21.1 0.0 39.0

88 19.2 0.0 37.4





#35

Dibromofluoromethane

Concen: 41.359 ug/l

RT: 4.14 min Scan# 356

Delta R.T. 0.04 min

Lab File: VF061492.D

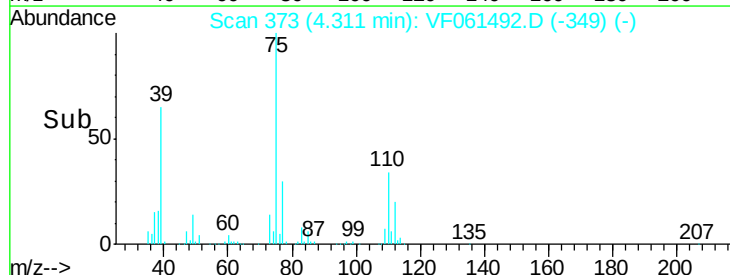
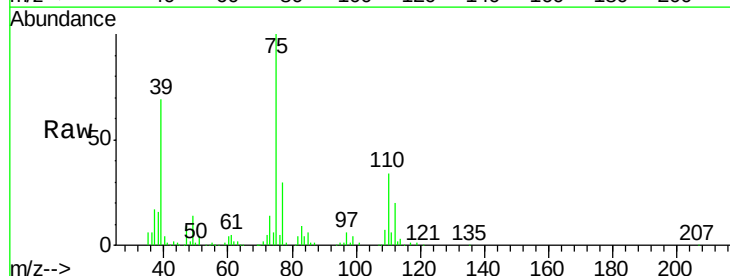
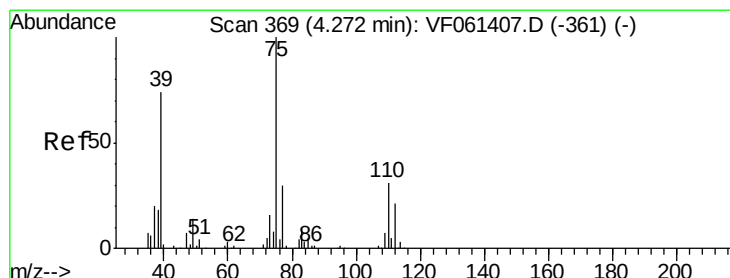
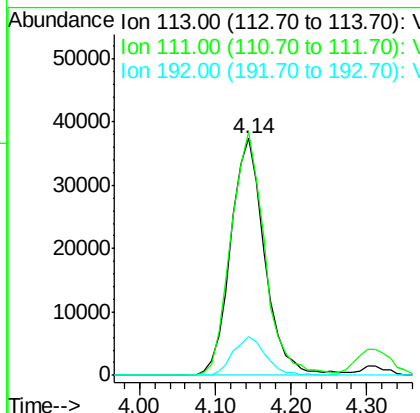
Acq: 24 Jan 2019 10:54

Tot Ion:	113	Resp:	116035
Ion Ratio	Lower	Upper	
113	100		
111	102.9	79.4	119.0
192	16.3	12.4	18.6

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 53.877 ug/l

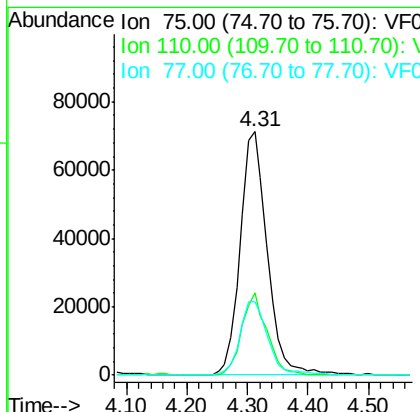
RT: 4.31 min Scan# 373

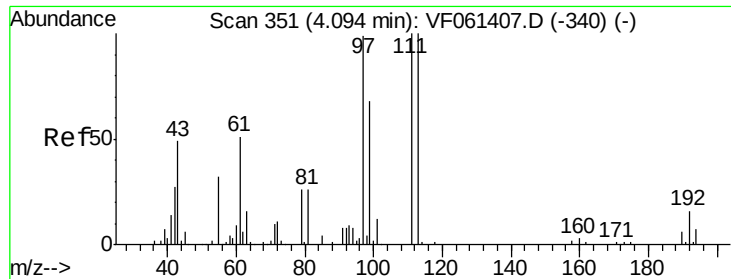
Delta R.T. 0.04 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Tgt Ion:	75	Resp:	222097
Ion Ratio	Lower	Upper	
75	100		
110	33.7	15.8	47.3
77	30.1	24.0	36.0





#37

Ethyl Acetate

Concen: 53.231 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.04 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

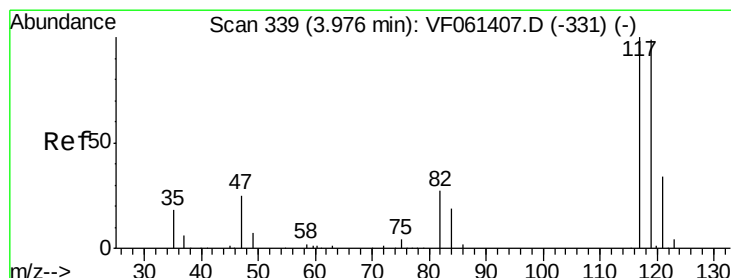
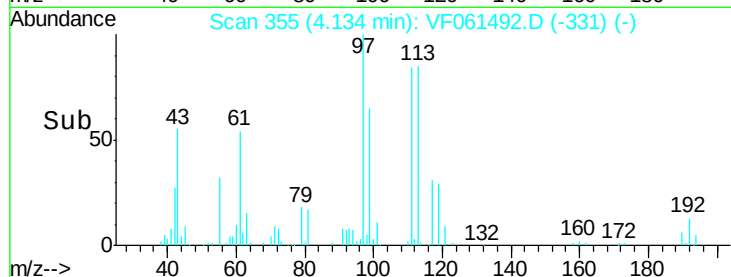
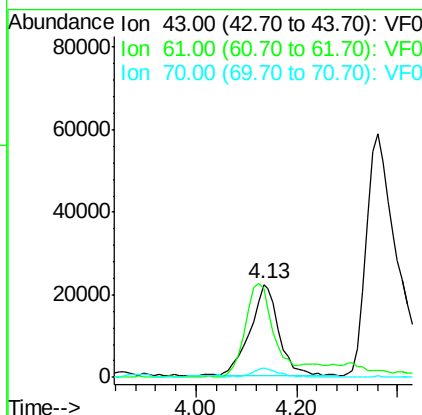
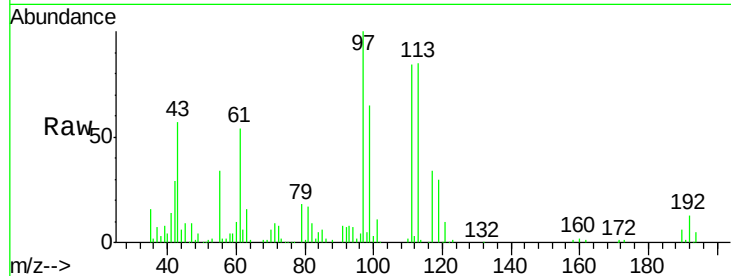
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	87716
Ion	Ratio	Lower	Upper
43	100		
61	95.2	81.7	122.5
70	10.4	6.2	9.2#

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#38

Carbon Tetrachloride

Concen: 46.575 ug/l

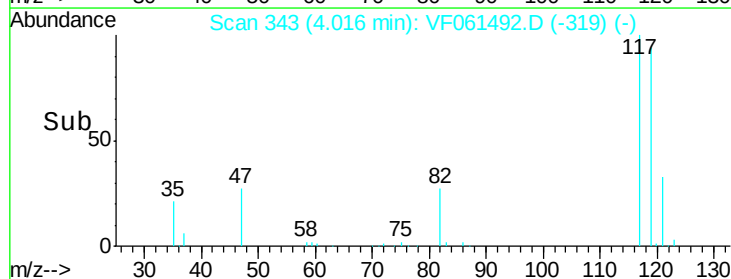
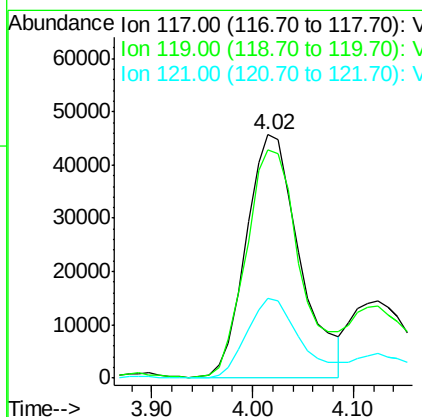
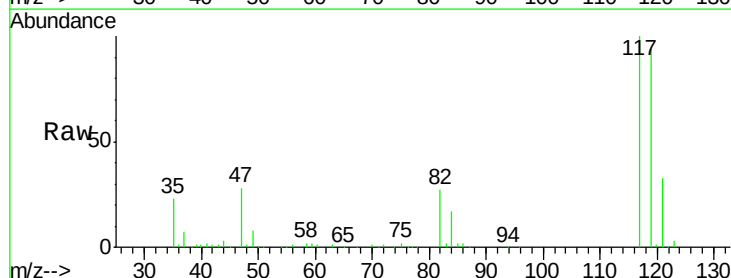
RT: 4.02 min Scan# 343

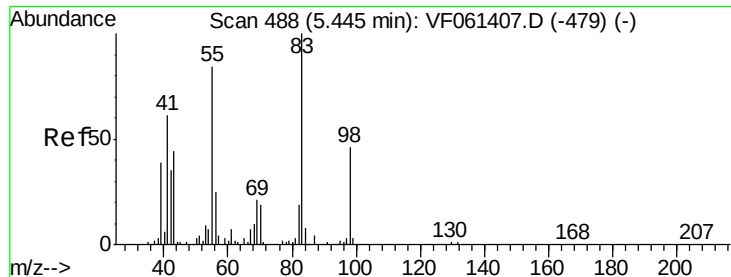
Delta R.T. 0.04 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Tgt Ion:	117	Resp:	167852
Ion	Ratio	Lower	Upper
117	100		
119	93.9	79.0	118.6
121	32.6	27.0	40.6





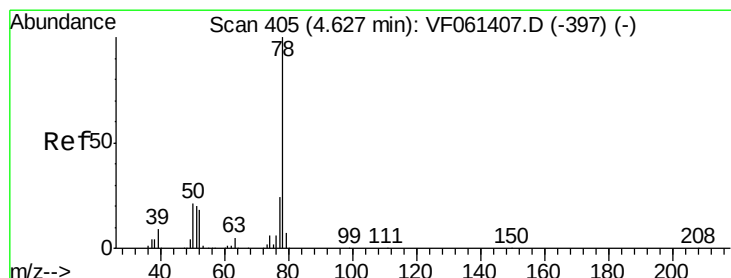
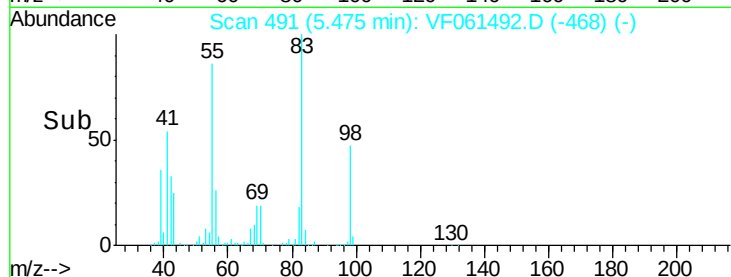
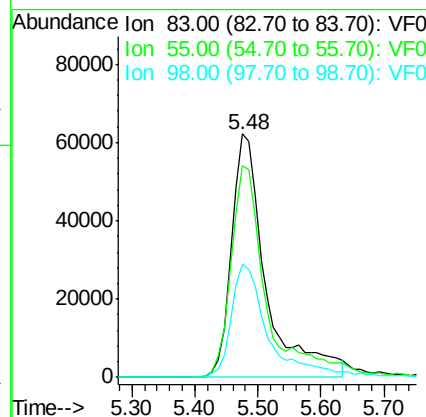
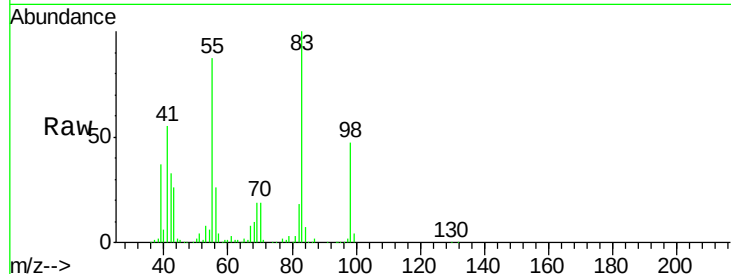
#39
Methylvlcyclohexane
Concen: 52.894 ug/l
RT: 5.48 min Scan# 491
Delta R.T. 0.03 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.8	67.4	101.2
98	46.6	36.7	55.1

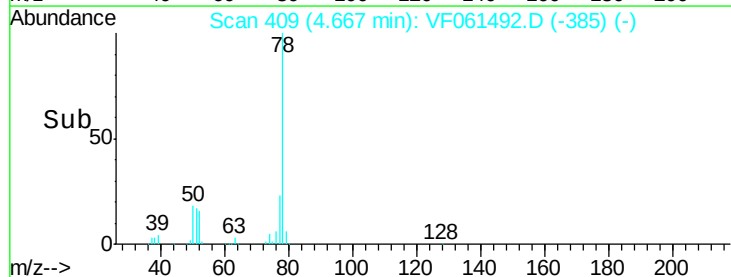
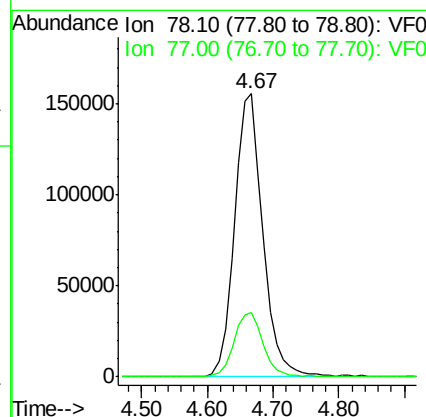
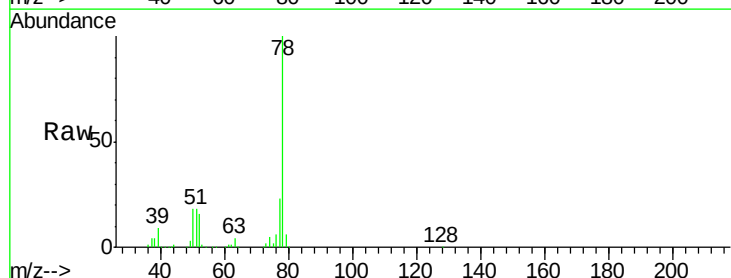
Manual Integrations
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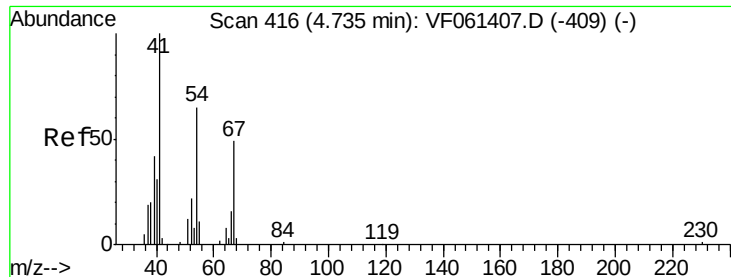
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#40
Benzene
Concen: 51.113 ug/l
RT: 4.67 min Scan# 409
Delta R.T. 0.04 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.0	28.6





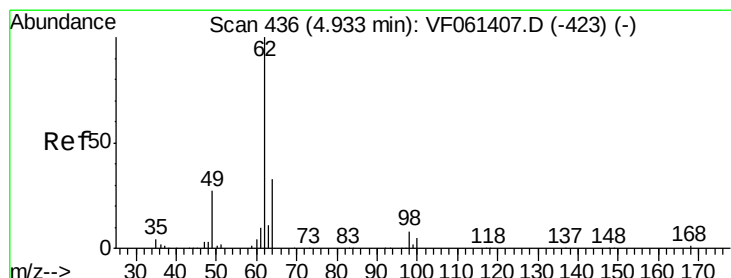
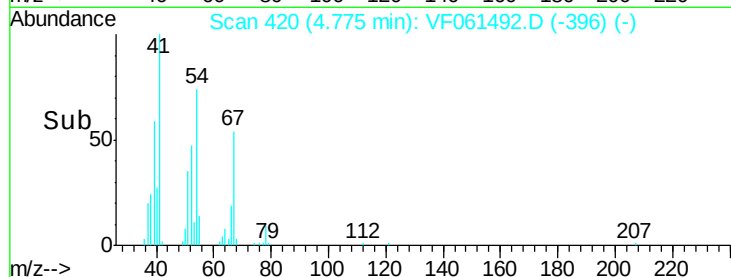
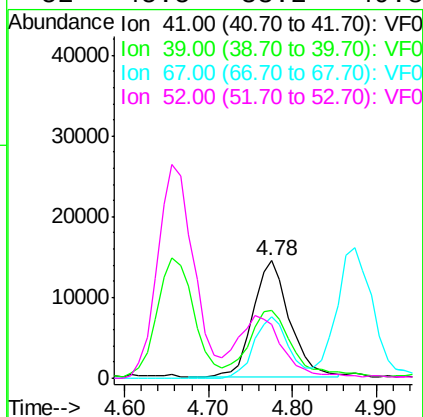
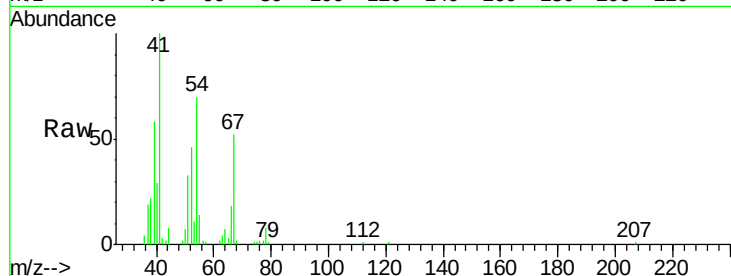
#41
Methacrylonitrile
Concen: 49.175 ug/l
RT: 4.78 min Scan# 420
Delta R.T. 0.04 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		43117		
39	57.5	43.1	64.7		
67	52.0	38.8	58.2		
52	45.5	33.2	49.8		

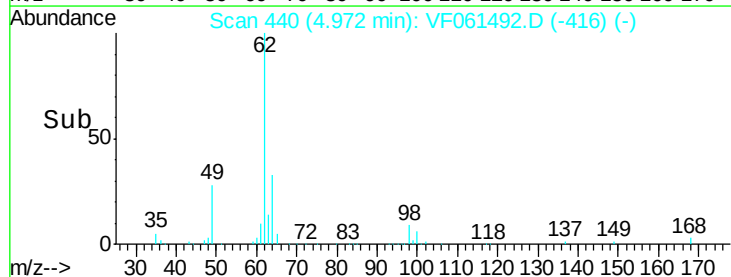
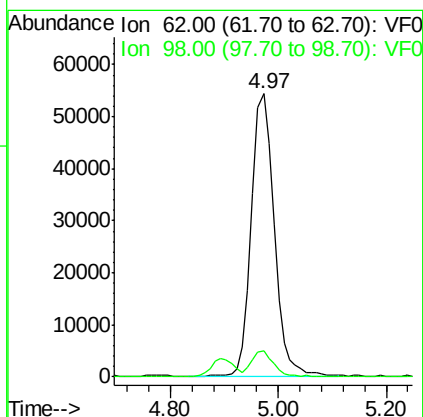
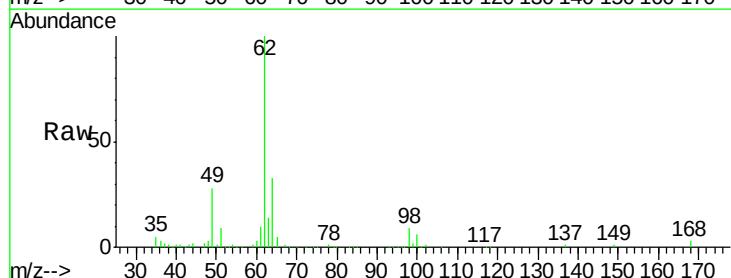
Manual Integrations
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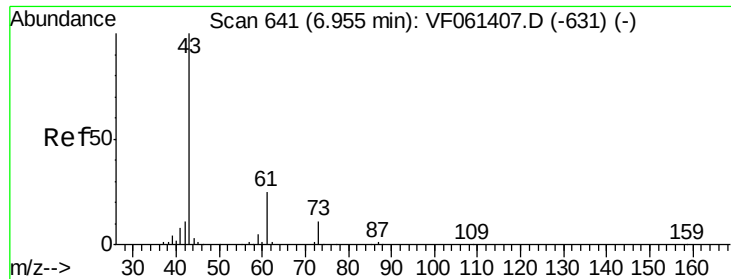
MMDadoda
1/25/2019 10:26:23 AM



#42
1,2-Dichloroethane
Concen: 49.603 ug/l
RT: 4.97 min Scan# 440
Delta R.T. 0.04 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		162138		
98	9.1	0.0	17.0		





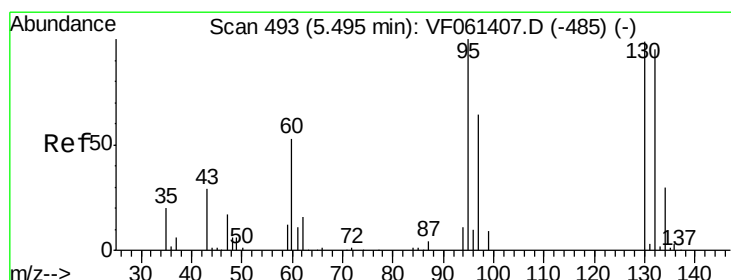
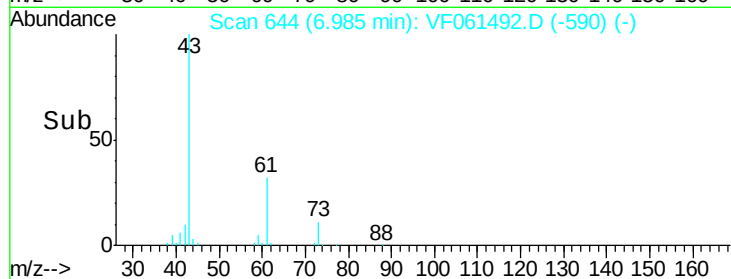
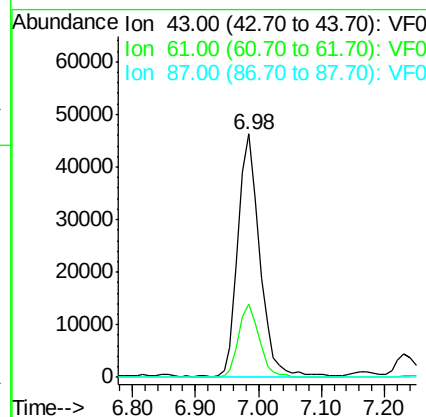
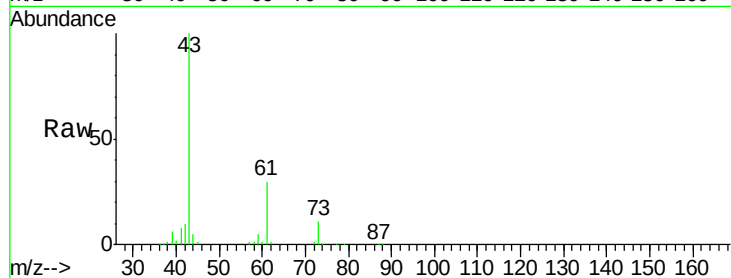
#43
Isopropyl Acetate
Concen: 54.033 ug/l
RT: 6.98 min Scan# 644
Delta R.T. 0.03 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.4	20.3	30.5
87	0.3	0.5	0.7

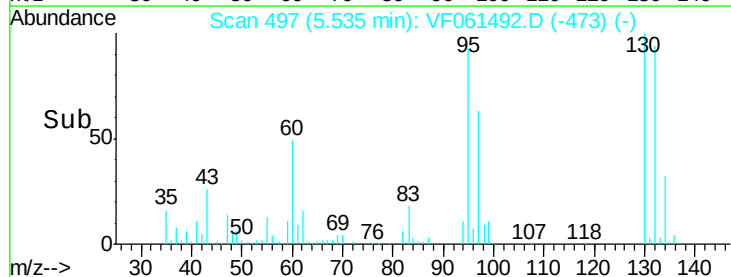
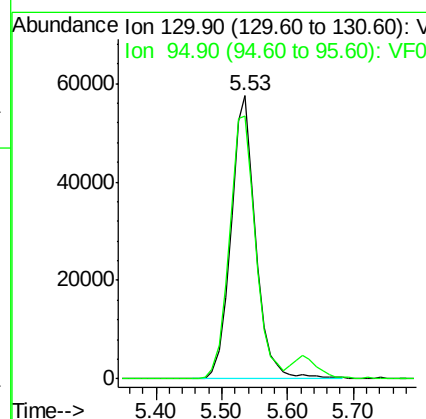
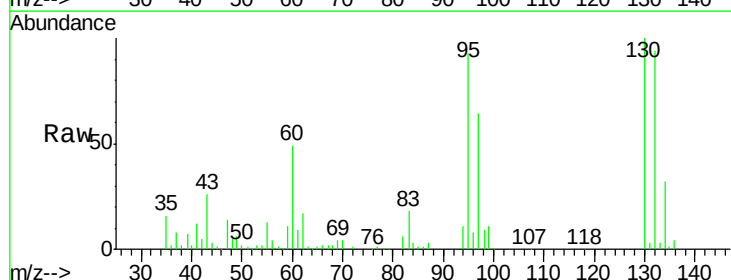
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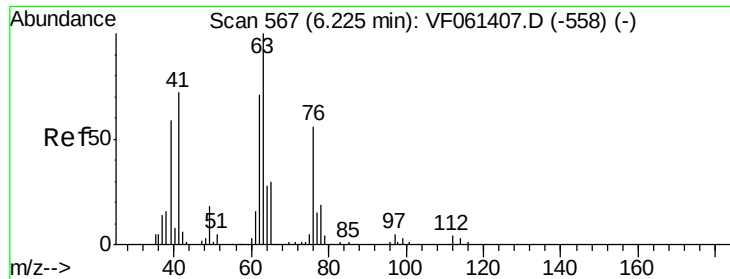
MMDadoda
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#44
Trichloroethene
Concen: 53.549 ug/l
RT: 5.53 min Scan# 497
Delta R.T. 0.04 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.8	0.0	202.8





#45

1,2-Dichloropropane

Concen: 53.975 ug/l

RT: 6.26 min Scan# 571

Delta R.T. 0.04 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 129943

Ion Ratio Lower Upper

63 100

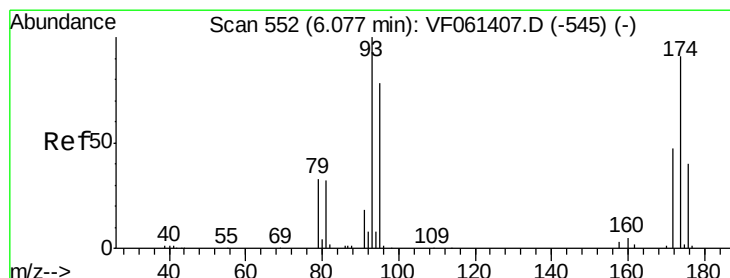
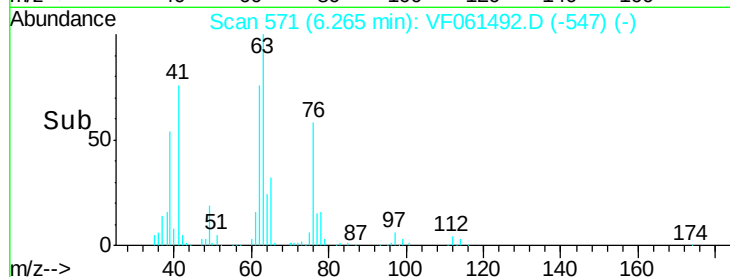
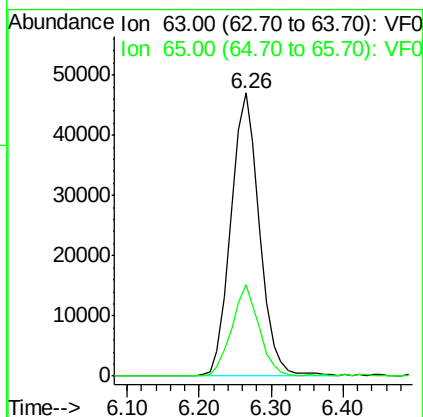
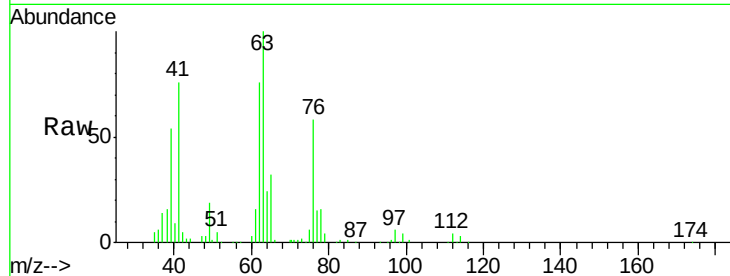
65 32.1 24.4 36.6

Manual Integrations

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#46

Dibromomethane

Concen: 50.718 ug/l

RT: 6.12 min Scan# 556

Delta R.T. 0.04 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

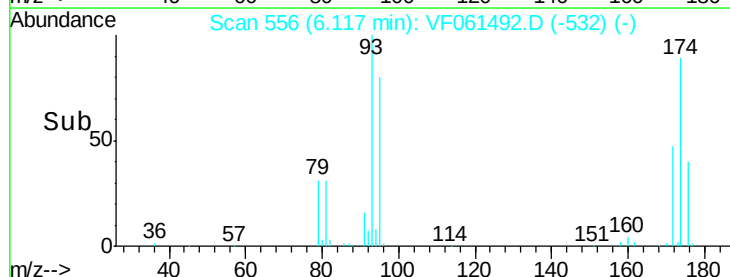
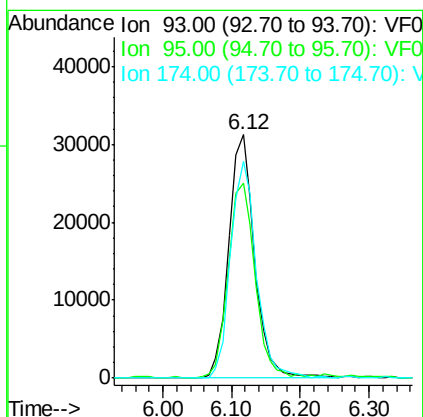
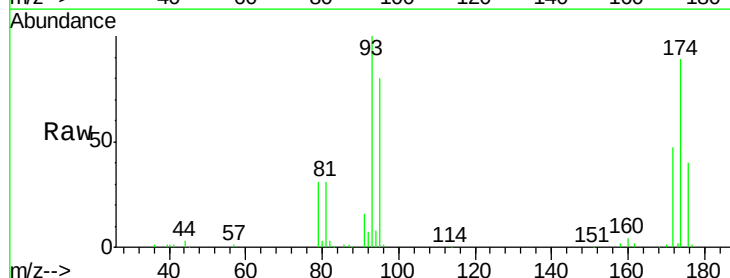
Tgt Ion: 93 Resp: 81189

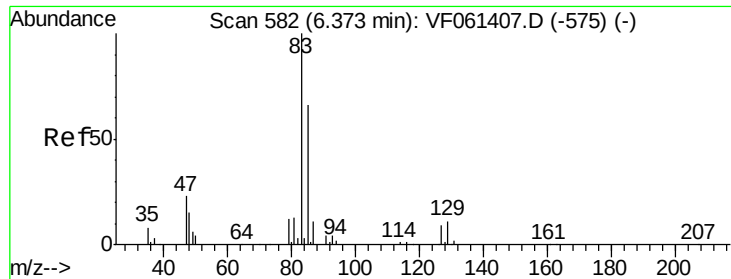
Ion Ratio Lower Upper

93 100

95 80.2 62.1 93.1

174 89.0 74.6 111.8





#47

Bromodichloromethane

Concen: 52.440 ug/l

RT: 6.41 min Scan# 586

Delta R.T. 0.04 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

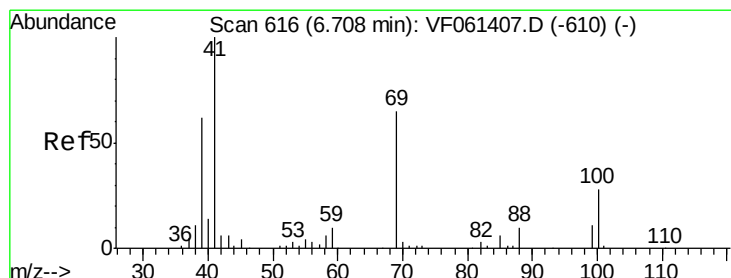
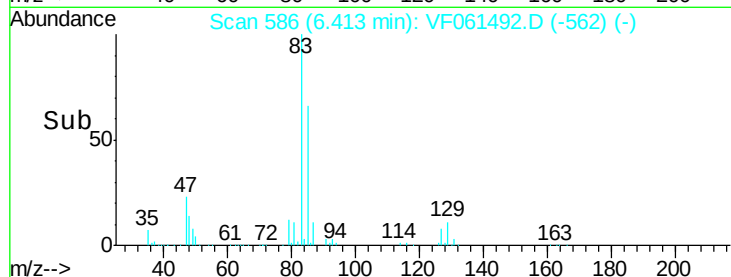
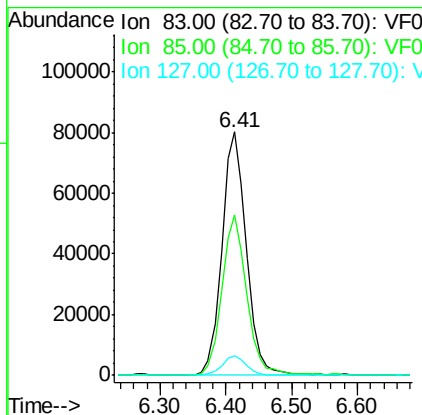
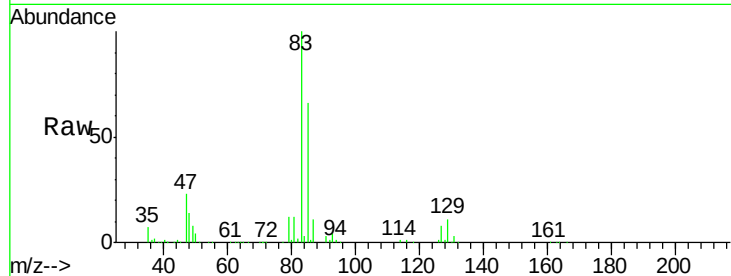
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	207698
Ion	Ratio	Lower	Upper
83	100		
85	65.7	53.0	79.4
127	8.1	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.202 ug/l

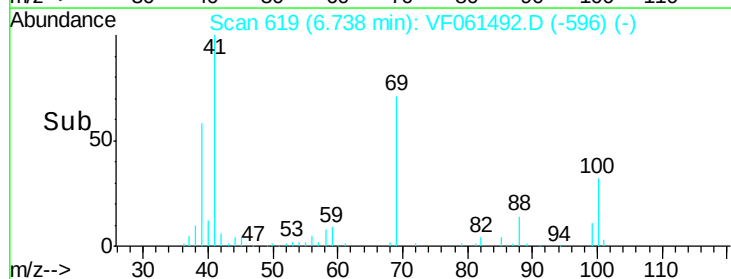
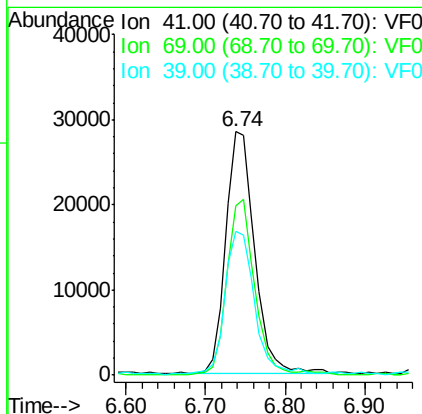
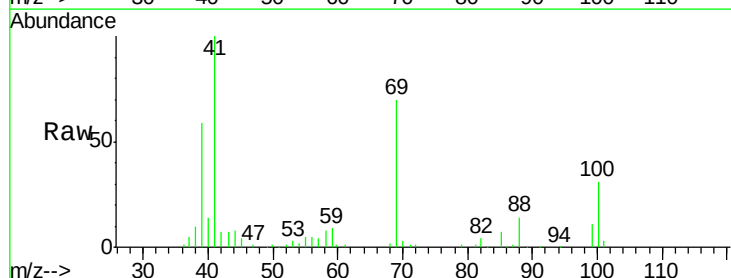
RT: 6.74 min Scan# 619

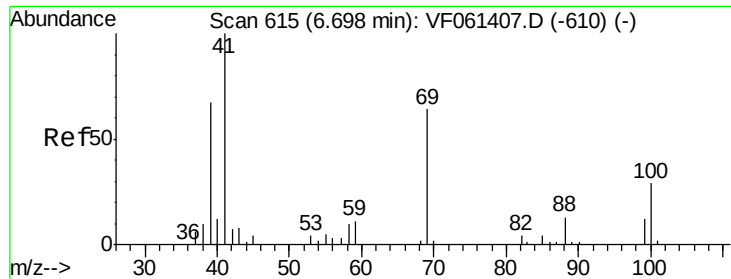
Delta R.T. 0.03 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Tgt Ion:	41	Resp:	72496
Ion	Ratio	Lower	Upper
41	100		
69	69.6	51.7	77.5
39	58.9	49.2	73.8





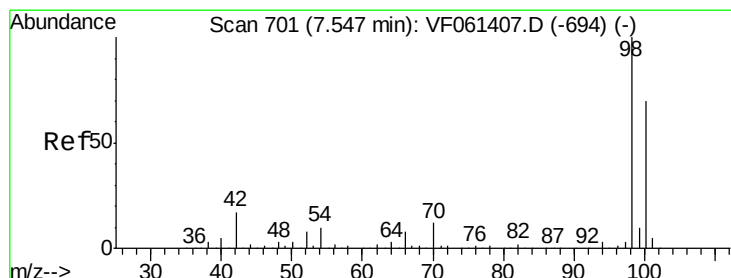
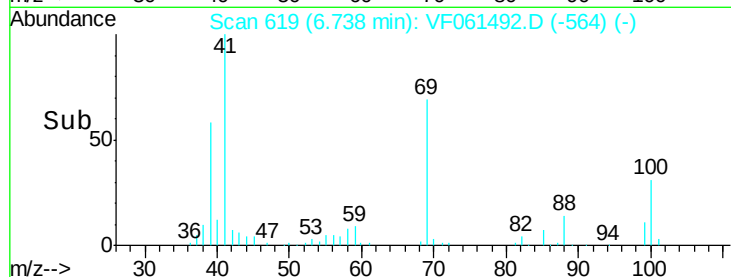
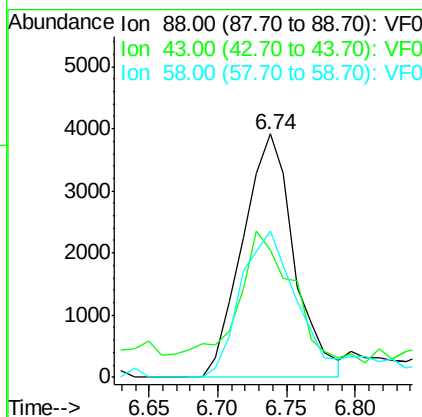
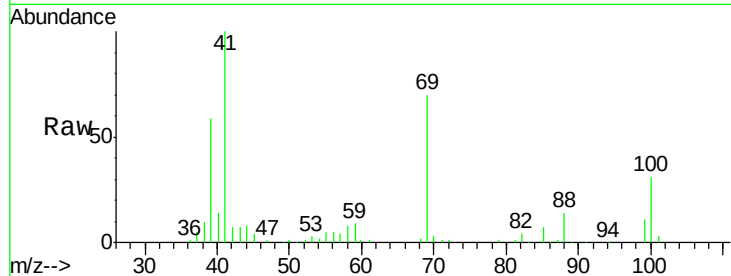
#49
1,4-Dioxane
Concen: 1056.854 ug/l
RT: 6.74 min Scan# 619
Delta R.T. 0.04 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	52.2		55.5	83.3#
58	60.3		59.9	89.9

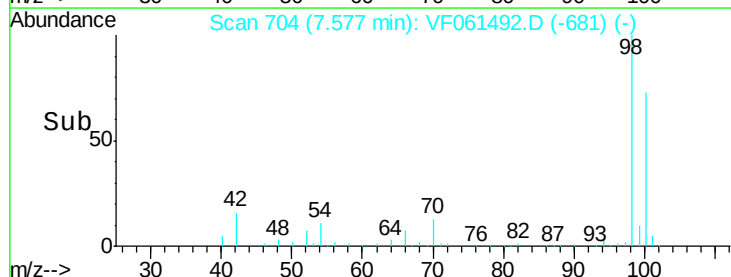
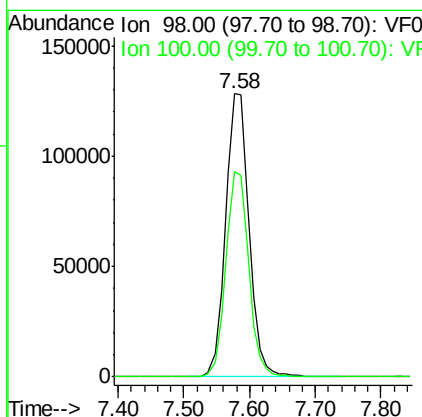
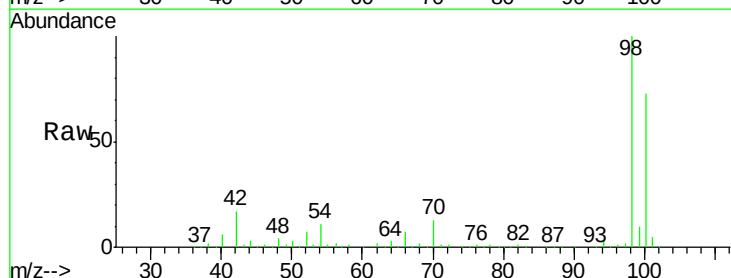
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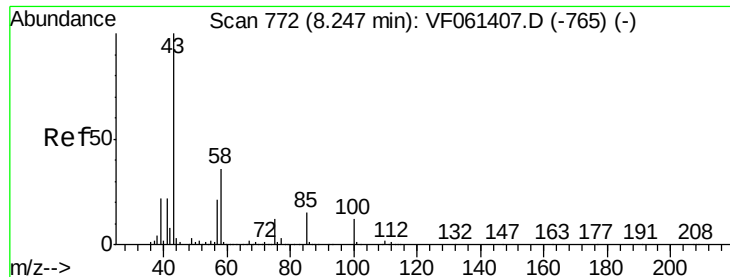
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#50
Toluene-d8
Concen: 41.773 ug/l
RT: 7.58 min Scan# 704
Delta R.T. 0.03 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	72.7		55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 256.052 ug/l

RT: 8.29 min Scan# 776

Delta R.T. 0.04 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 389304

Ion Ratio Lower Upper

43 100

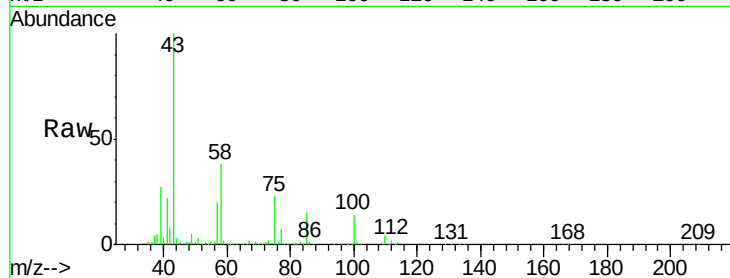
58 38.3 28.8 43.2

Manual Integrations

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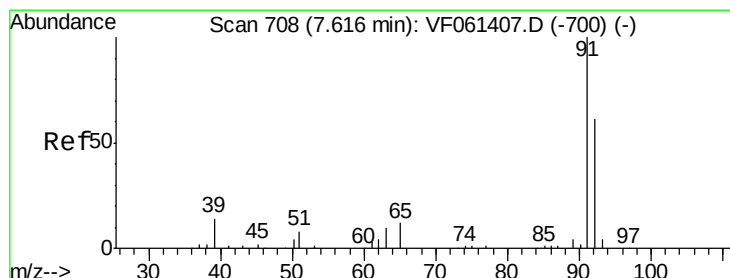
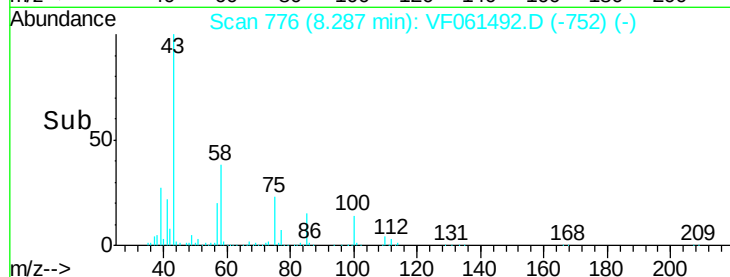
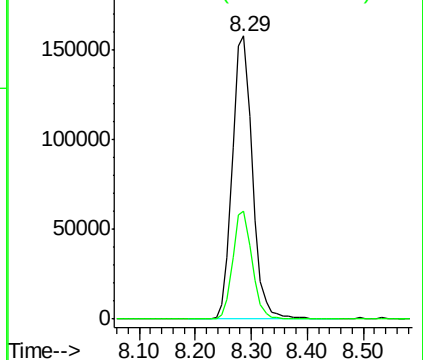
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 51.105 ug/l

RT: 7.66 min Scan# 712

Delta R.T. 0.04 min

Lab File: VF061492.D

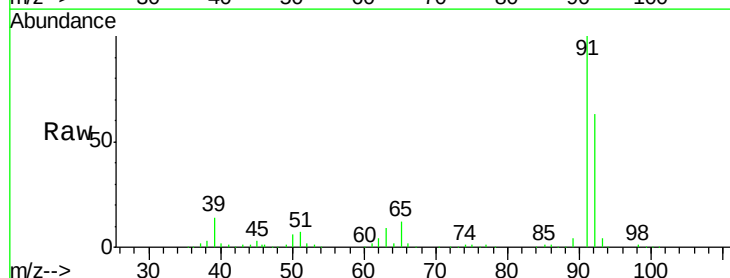
Acq: 24 Jan 2019 10:54

Tgt Ion: 92 Resp: 308709

Ion Ratio Lower Upper

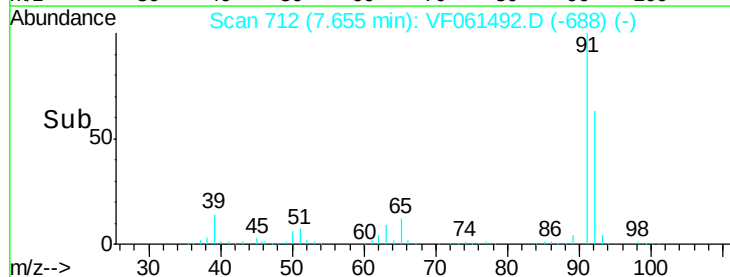
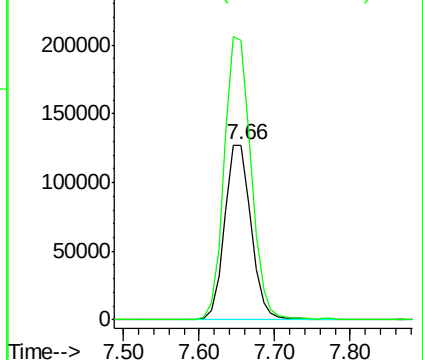
92 100

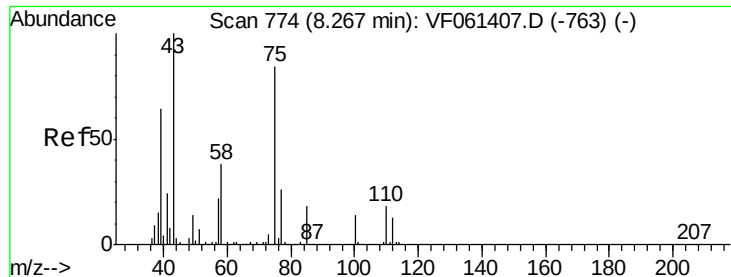
91 159.7 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 51.282 ug/l

RT: 8.31 min Scan# 778

Delta R.T. 0.04 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 161283

Ion Ratio Lower Upper

75 100

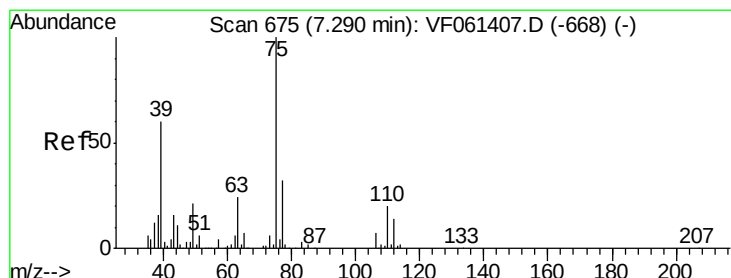
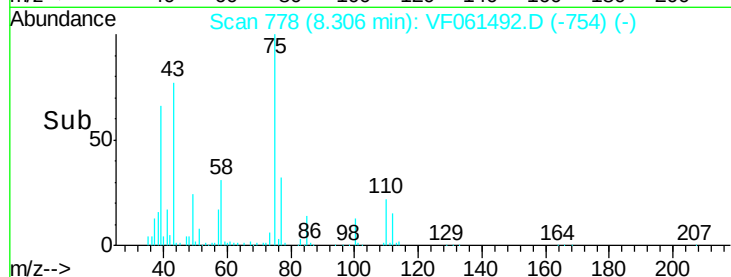
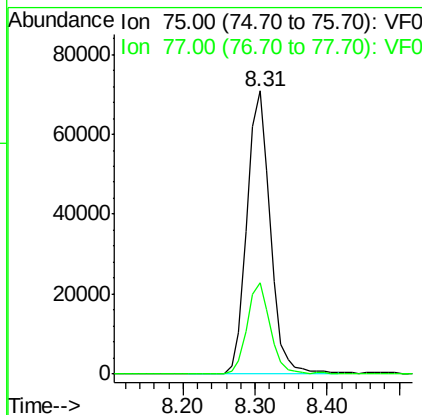
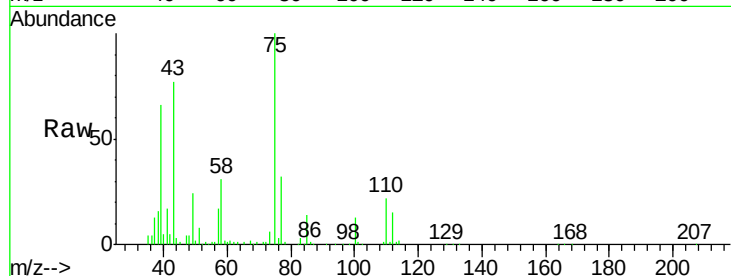
77 32.3 24.4 36.6

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 52.017 ug/l

RT: 7.33 min Scan# 679

Delta R.T. 0.04 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

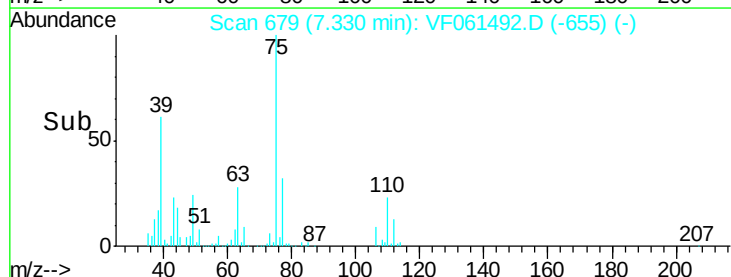
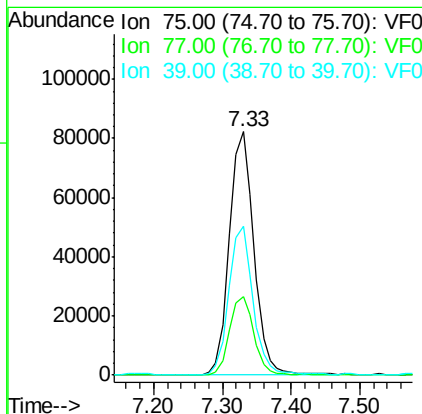
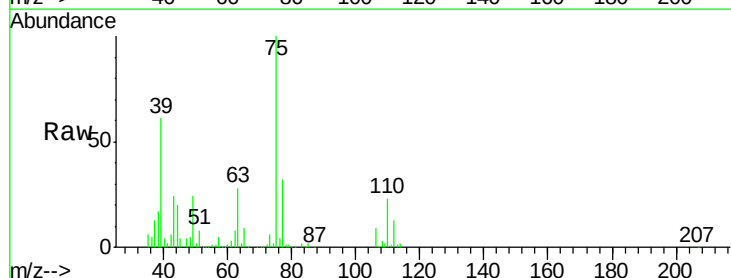
Tgt Ion: 75 Resp: 204490

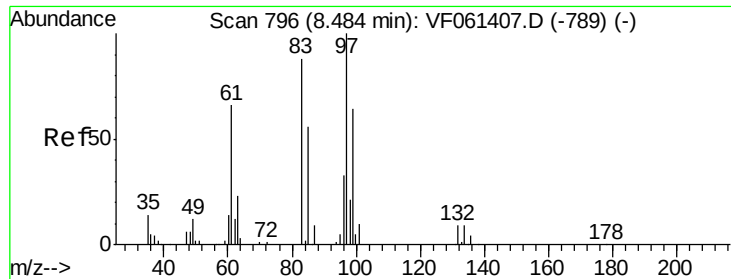
Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0

39 61.4 47.8 71.8





#55

1,1,2-Trichloroethane

Concen: 51.195 ug/l

RT: 8.51 min Scan# 799

Delta R.T. 0.03 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

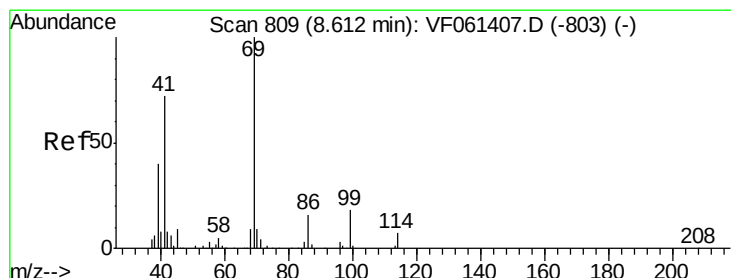
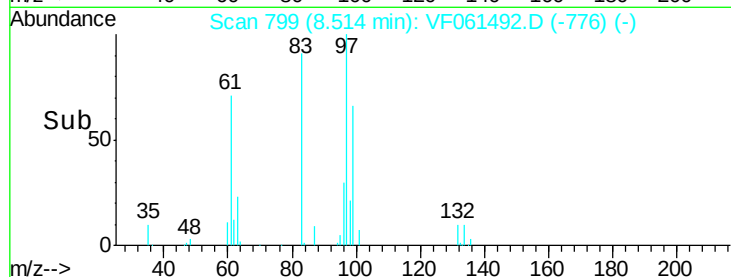
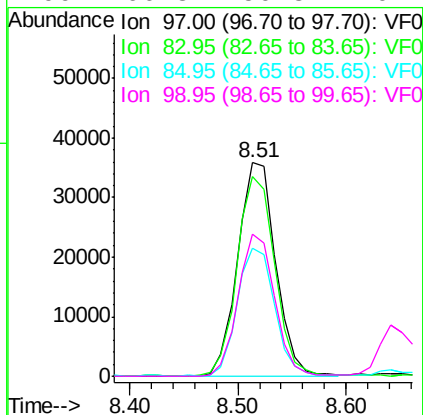
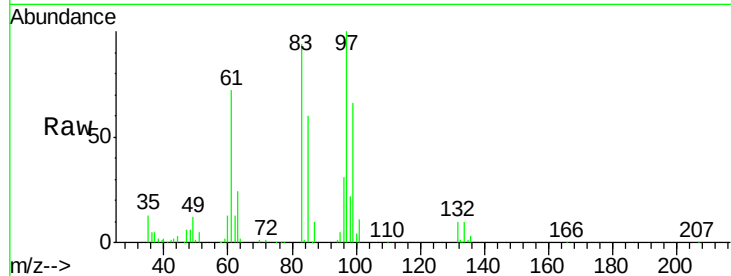
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	87818
Ion	Ratio	Lower	Upper
97	100		
83	93.8	70.4	105.6
85	59.8	44.7	67.1
99	66.3	50.8	76.2

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#56

Ethyl methacrylate

Concen: 50.601 ug/l

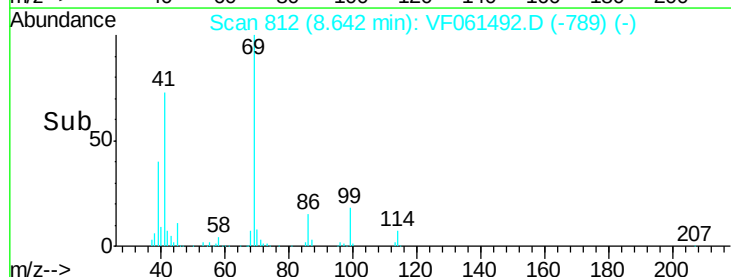
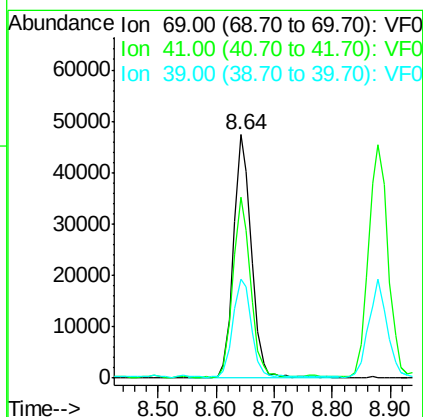
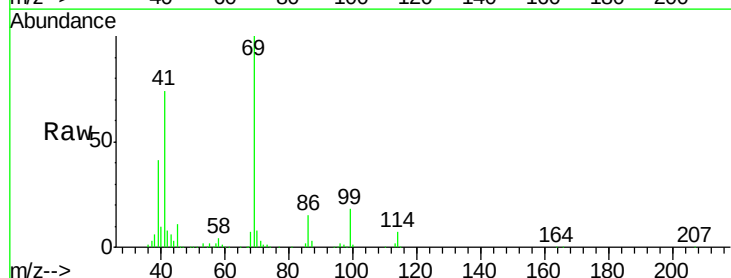
RT: 8.64 min Scan# 812

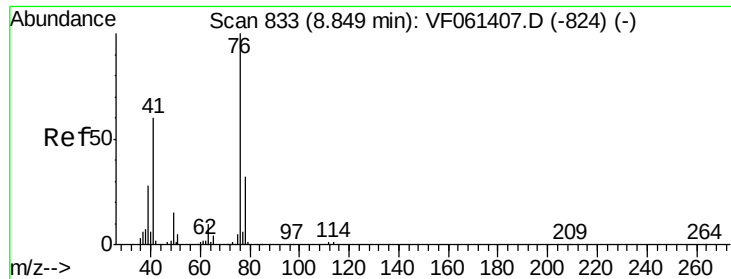
Delta R.T. 0.03 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Tgt Ion:	69	Resp:	100985
Ion	Ratio	Lower	Upper
69	100		
41	74.0	57.5	86.3
39	40.9	32.0	48.0





#57

1,3-Dichloropropane

Concen: 50.306 ug/l

RT: 8.88 min Scan# 836

Delta R.T. 0.03 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 161747

Ion Ratio Lower Upper

76 100

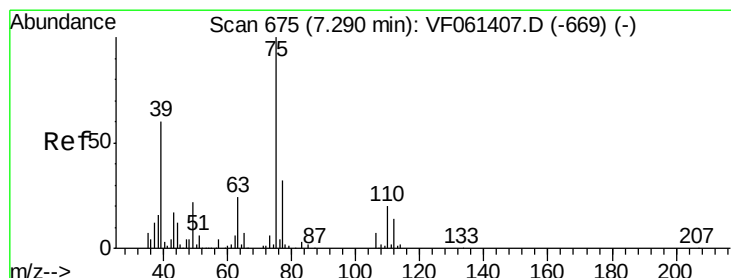
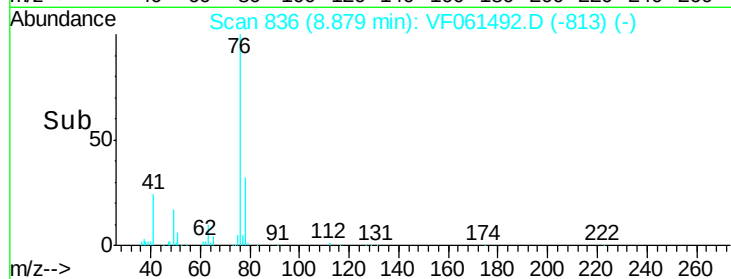
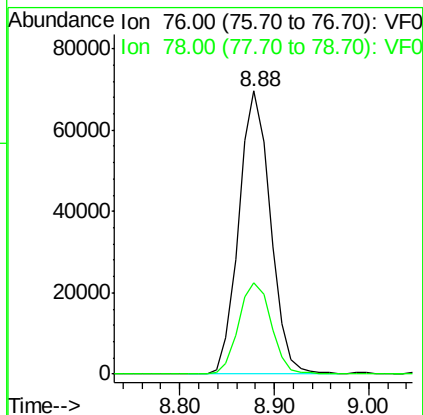
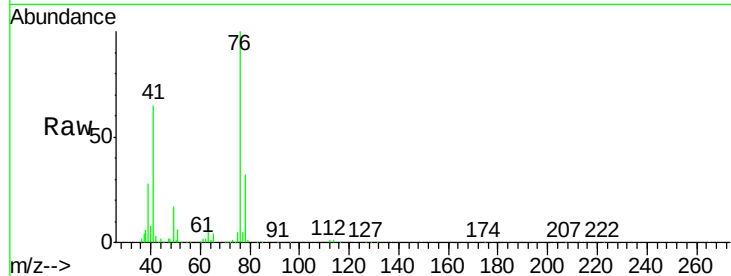
78 32.1 25.3 37.9

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#58

2-Chloroethyl Vinyl ether

Concen: 317.283 ug/l

RT: 7.32 min Scan# 678

Delta R.T. 0.03 min

Lab File: VF061492.D

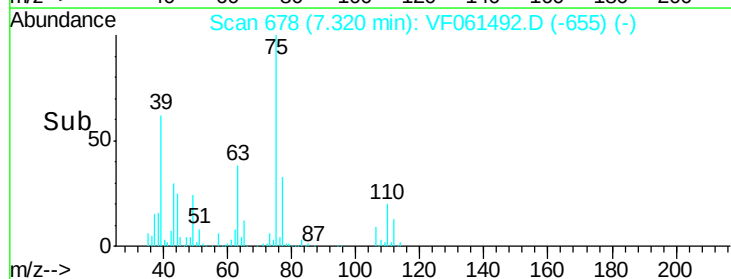
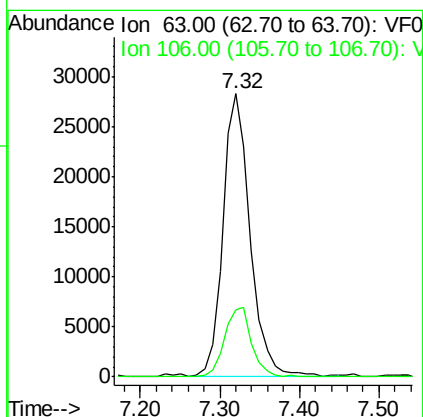
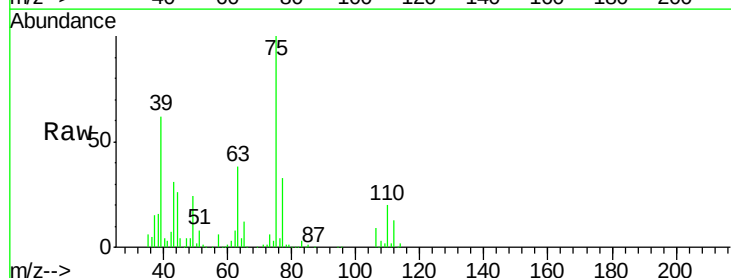
Acq: 24 Jan 2019 10:54

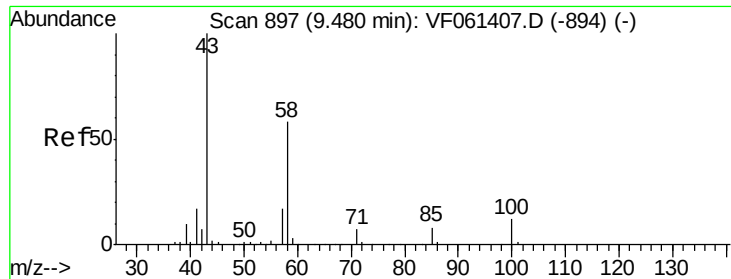
Tgt Ion: 63 Resp: 68141

Ion Ratio Lower Upper

63 100

106 23.8 21.9 32.9





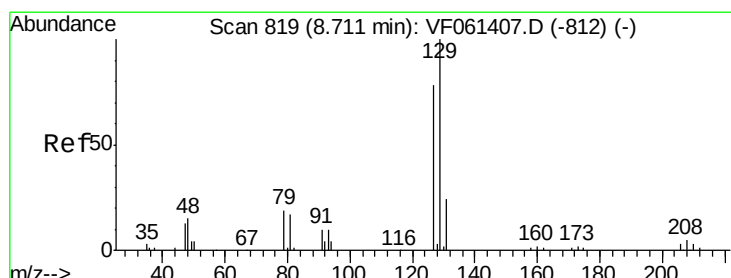
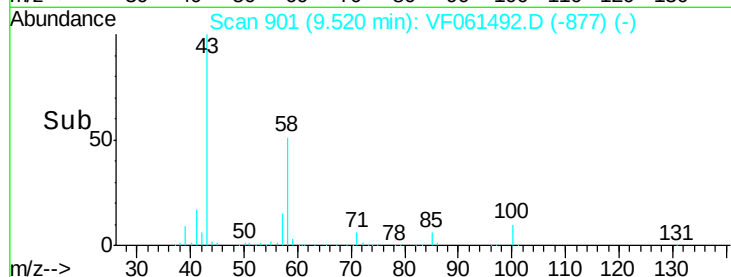
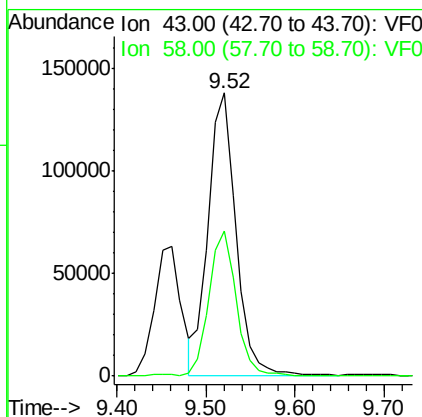
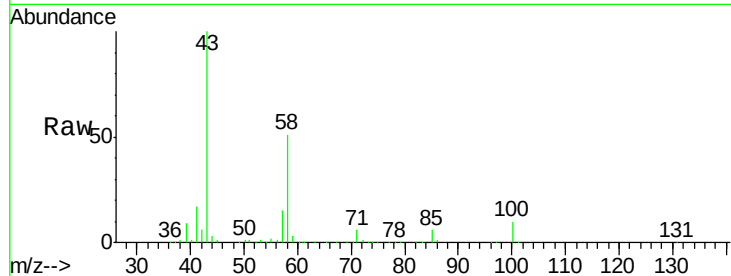
#59
2-Hexanone
Concen: 282.387 ug/l
RT: 9.52 min Scan# 901
Delta R.T. 0.04 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 299390
Ion Ratio Lower Upper
43 100
58 51.2 25.9 77.6

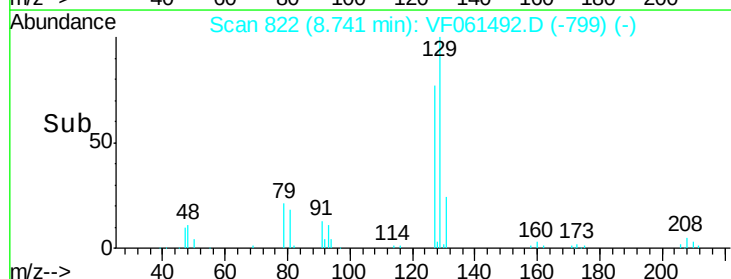
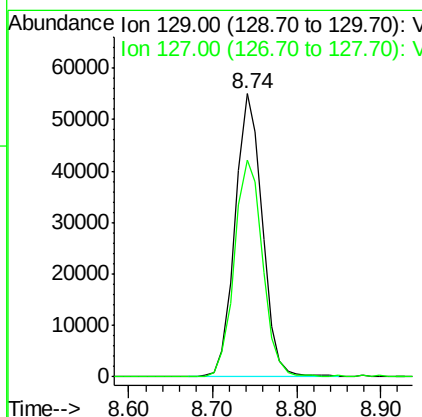
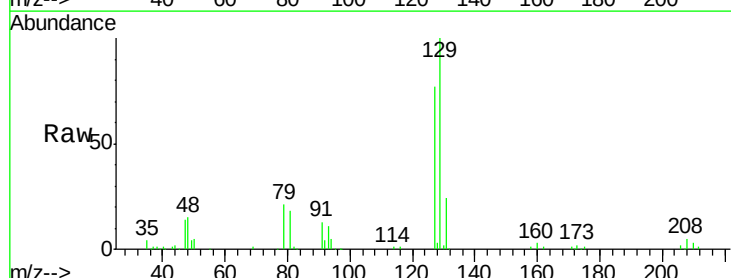
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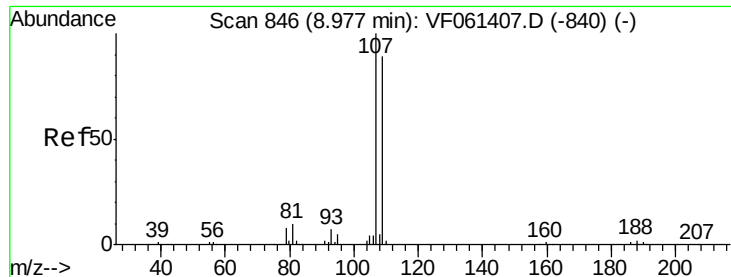
MMDadoda
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#60
Dibromochloromethane
Concen: 49.544 ug/l
RT: 8.74 min Scan# 822
Delta R.T. 0.03 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Tgt Ion: 129 Resp: 124247
Ion Ratio Lower Upper
129 100
127 76.6 39.1 117.2





#61

1,2-Dibromoethane

Concen: 50.017 ug/l

RT: 9.02 min Scan# 850

Delta R.T. 0.04 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 98221

Ion Ratio Lower Upper

107 100

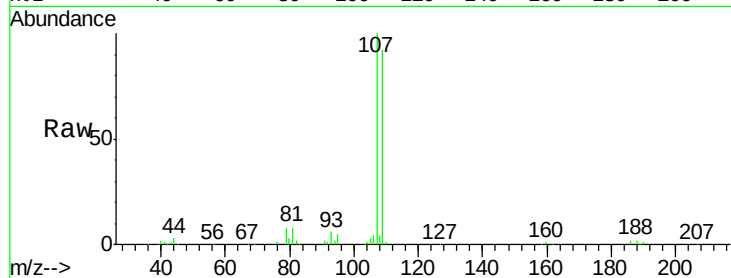
109 92.5 70.8 106.2

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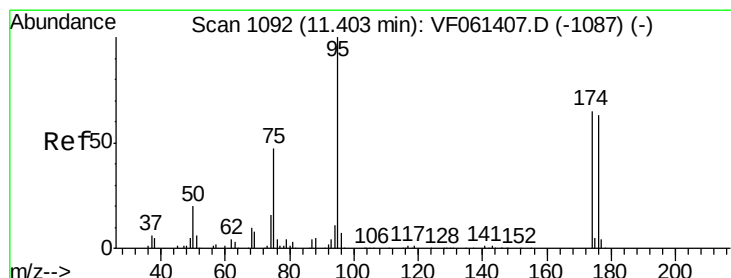
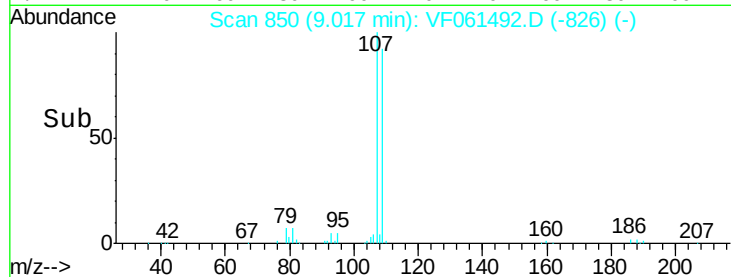
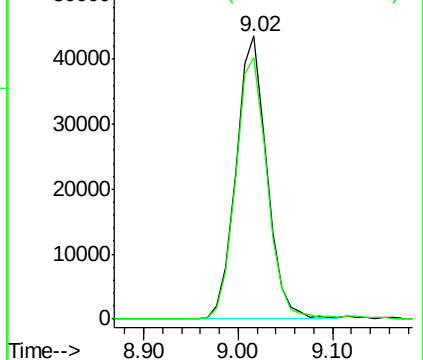
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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 38.066 ug/l

RT: 11.43 min Scan# 1095

Delta R.T. 0.03 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

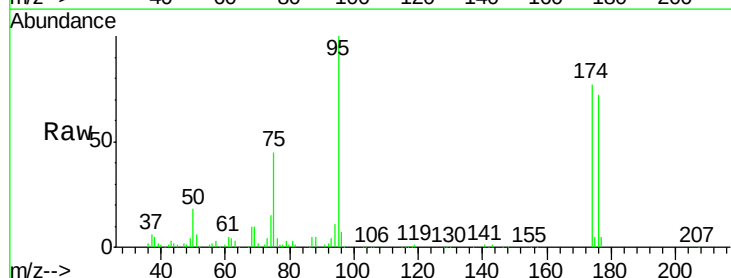
Tgt Ion: 95 Resp: 136712

Ion Ratio Lower Upper

95 100

174 77.4 0.0 130.4

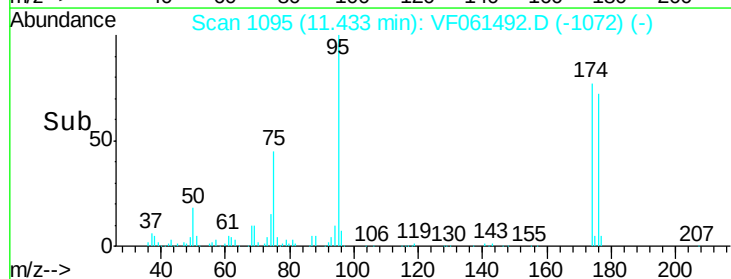
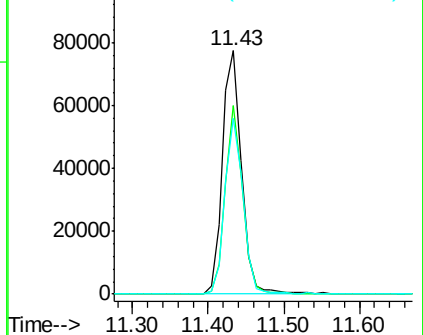
176 72.4 0.0 126.2

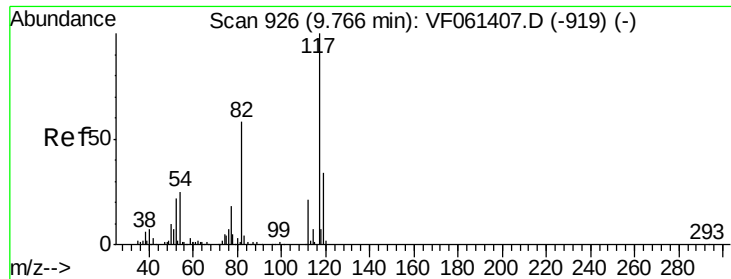


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





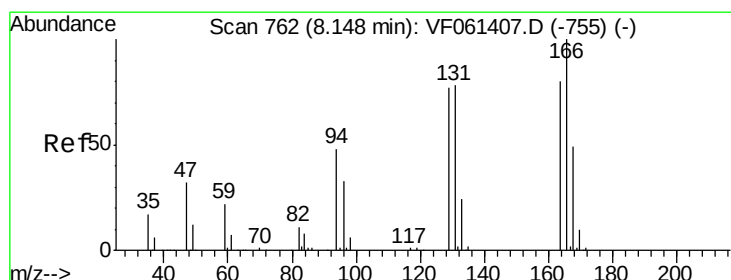
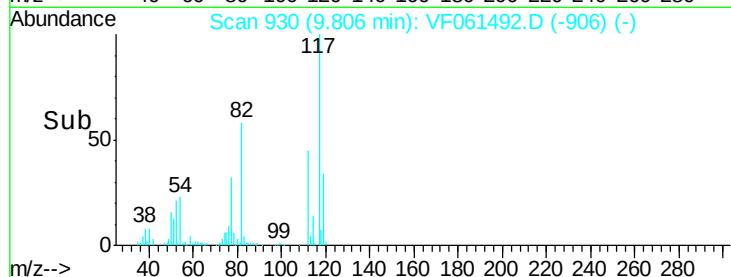
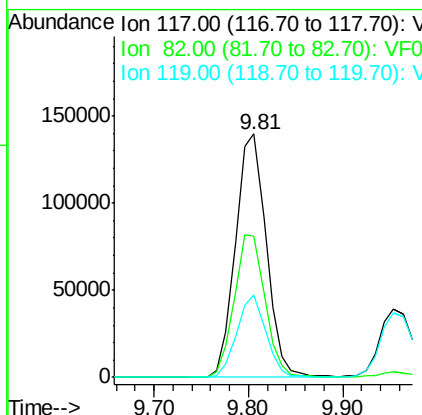
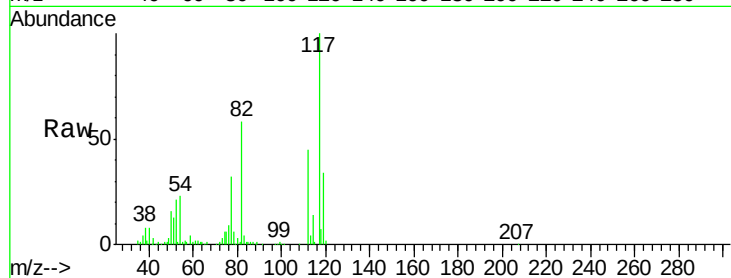
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.81 min Scan# 930
Delta R.T. 0.04 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.8	46.4	69.6
119	33.9	27.2	40.8

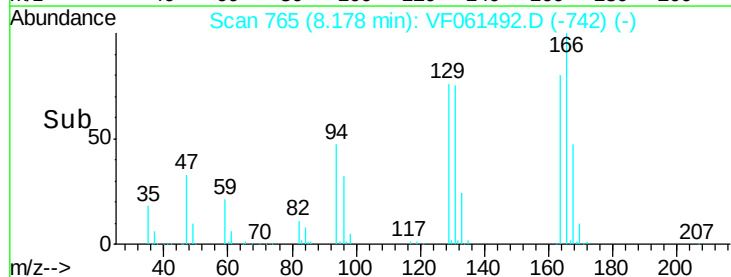
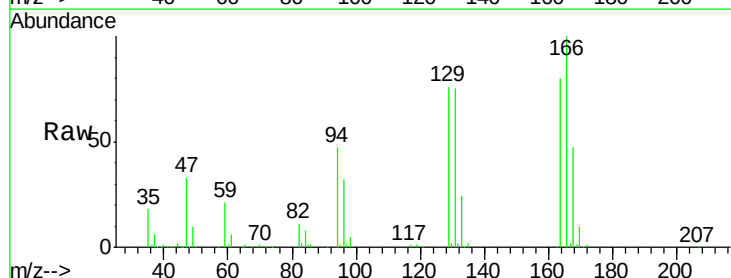
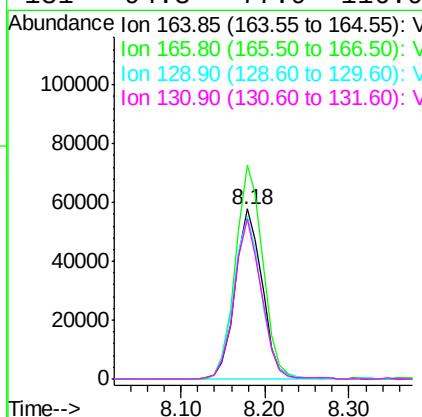
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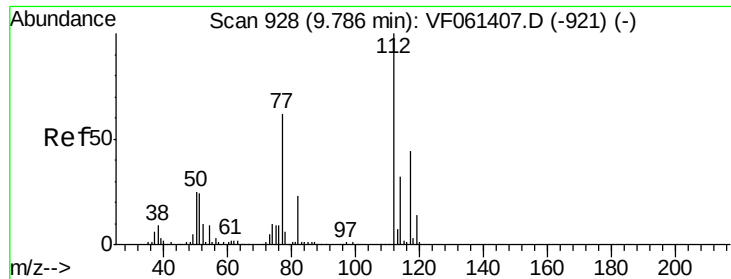
MMDadoda
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#64
Tetrachloroethene
Concen: 54.360 ug/l
RT: 8.18 min Scan# 765
Delta R.T. 0.03 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	99.6	149.4
129	95.4	76.4	114.6
131	94.3	77.9	116.9





#65

Chlorobenzene

Concen: 53.408 ug/l

RT: 9.83 min Scan# 932

Delta R.T. 0.04 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 343921

Ion Ratio Lower Upper

112 100

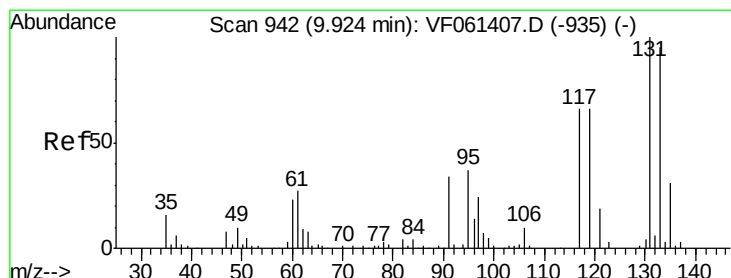
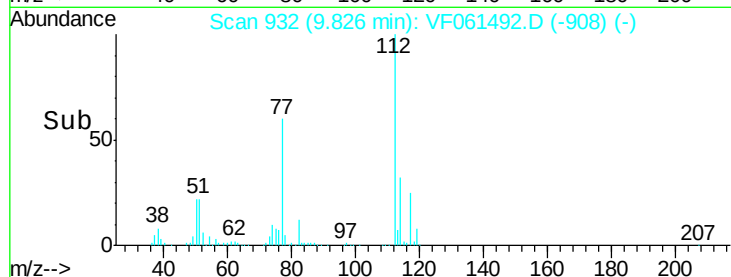
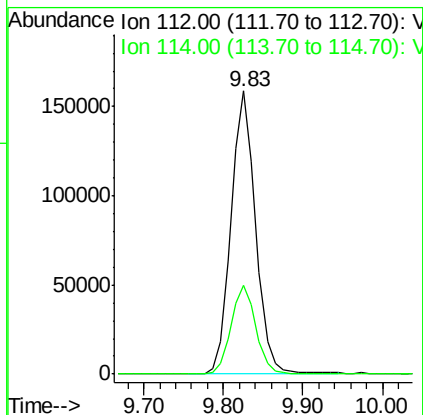
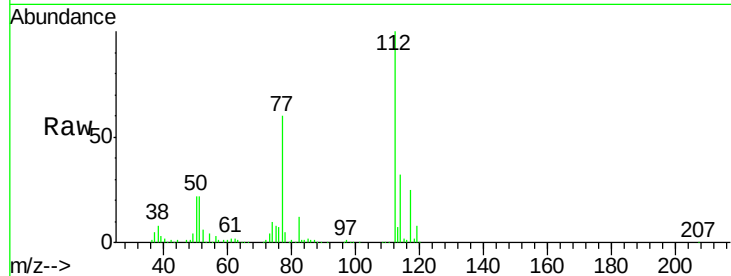
114 31.6 25.4 38.0

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#66

1,1,1,2-Tetrachloroethane

Concen: 52.197 ug/l

RT: 9.95 min Scan# 945

Delta R.T. 0.03 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

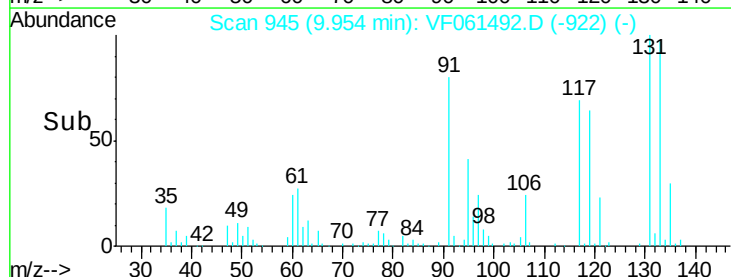
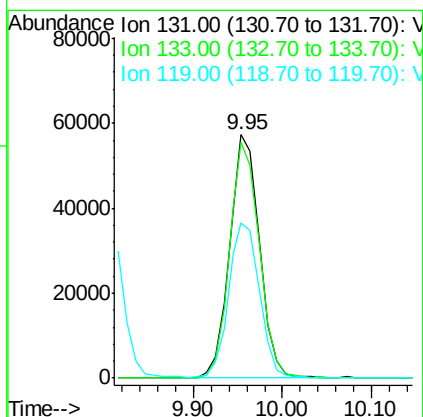
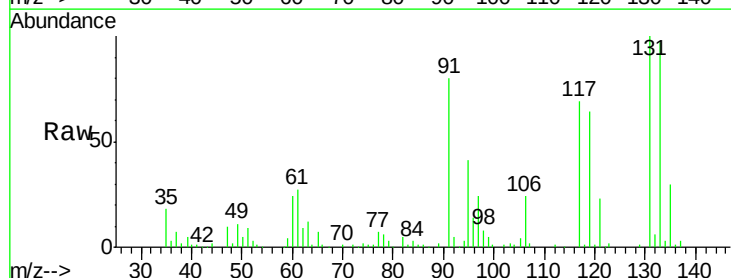
Tgt Ion:131 Resp: 133901

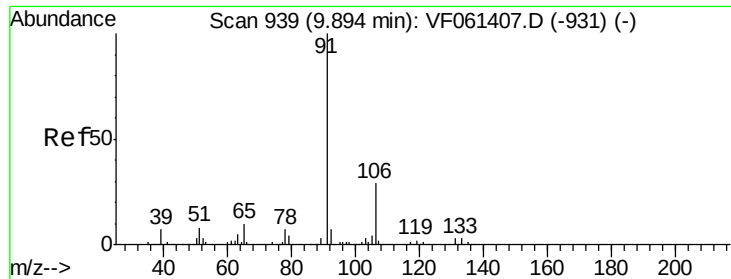
Ion Ratio Lower Upper

131 100

133 97.2 47.4 142.2

119 64.0 33.1 99.3





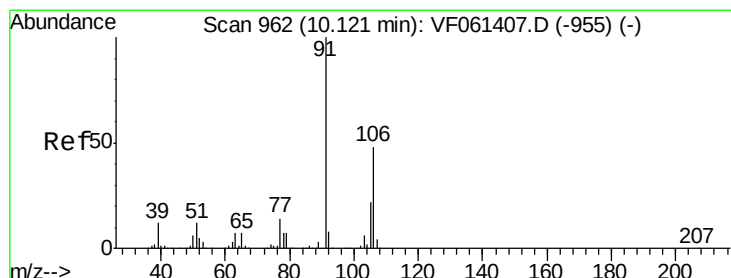
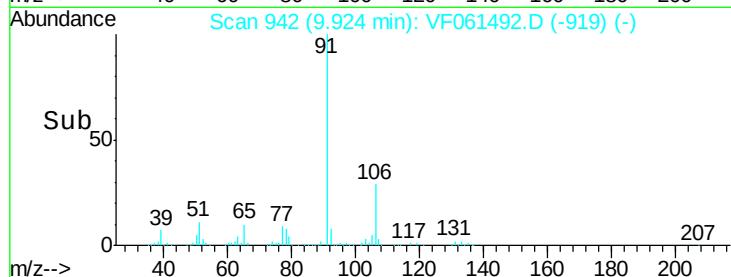
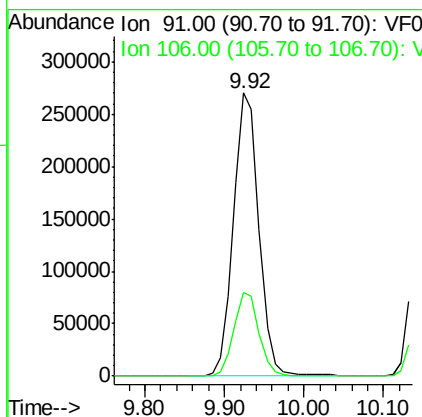
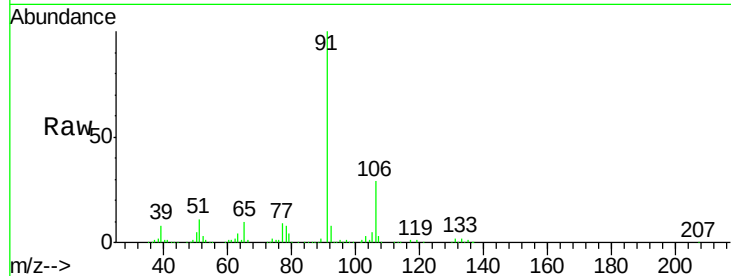
#67
Ethyl Benzene
Concen: 51.182 ug/l
RT: 9.92 min Scan# 942
Delta R.T. 0.03 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 602174
Ion Ratio Lower Upper
91 100
106 29.4 23.1 34.7

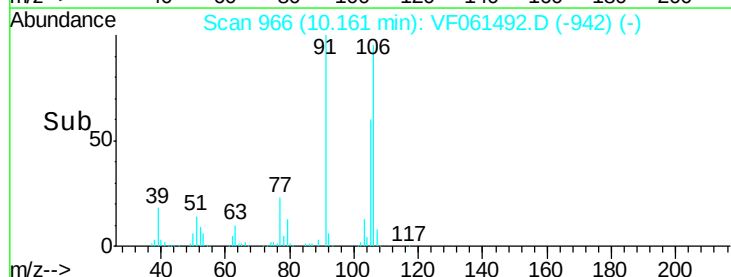
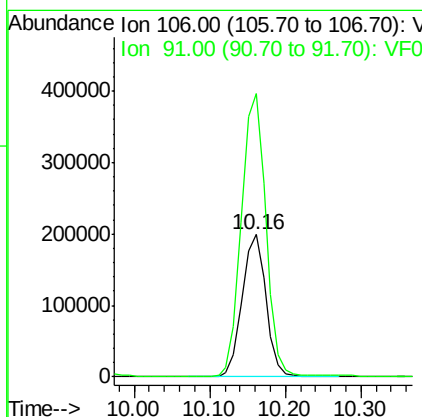
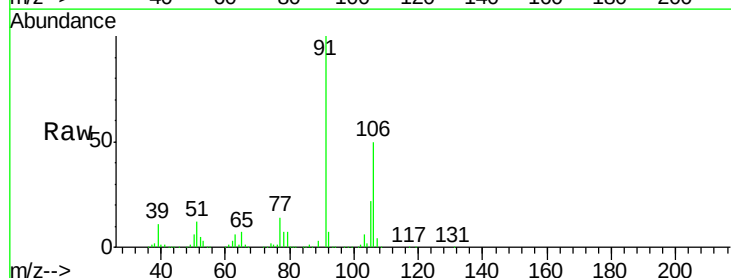
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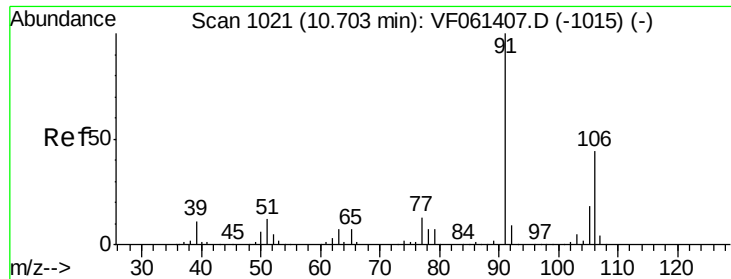
MMDadoda
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#68
m/p-Xylenes
Concen: 102.474 ug/l
RT: 10.16 min Scan# 966
Delta R.T. 0.04 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Tgt Ion: 106 Resp: 433634
Ion Ratio Lower Upper
106 100
91 199.0 166.2 249.4





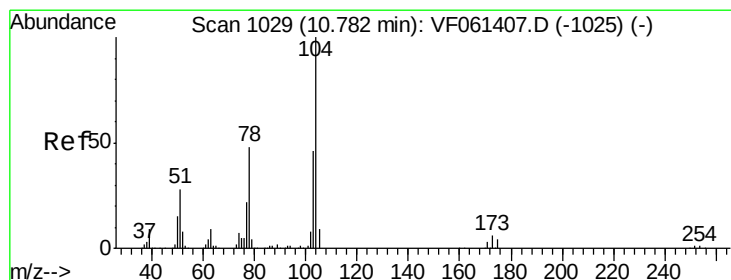
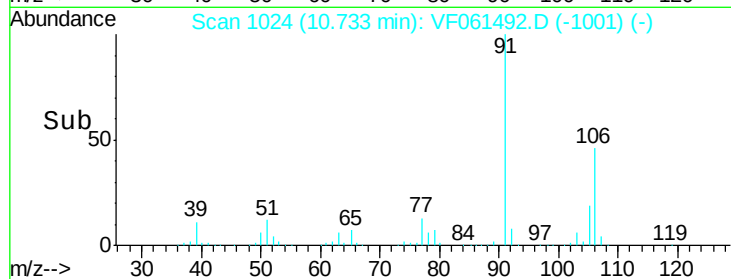
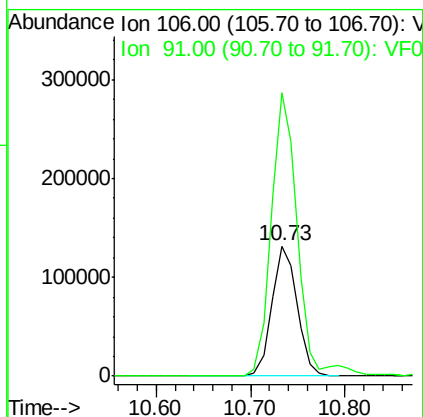
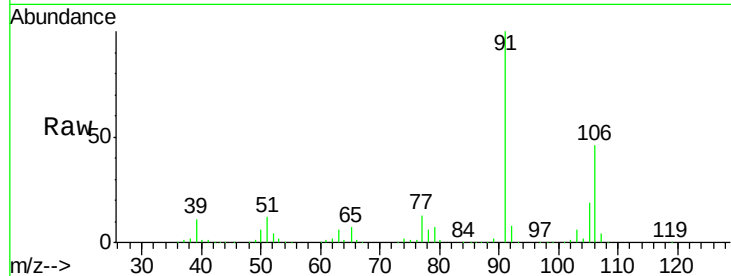
#69
o-Xylene
Concen: 53.536 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. 0.03 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		245531		
91	217.7	113.3	339.8		

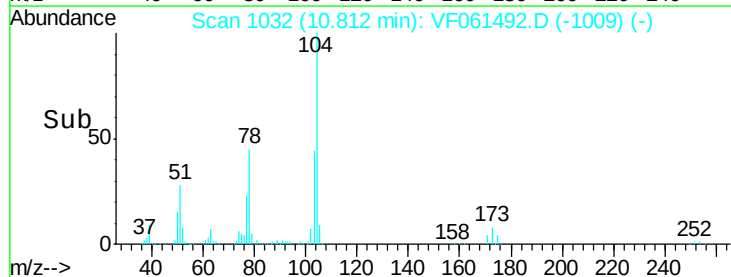
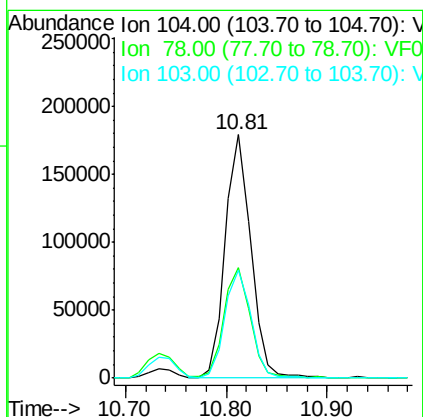
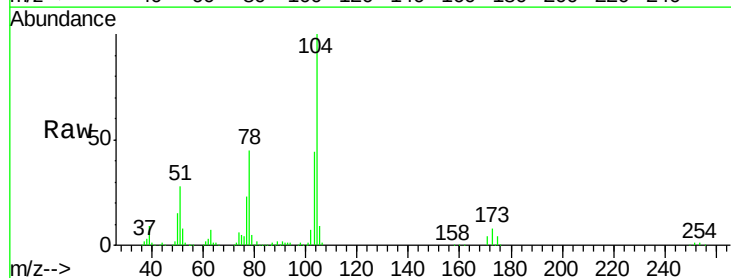
Manual Integrations
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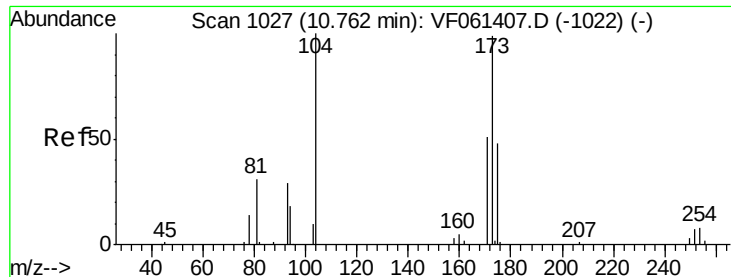
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#70
Styrene
Concen: 50.364 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. 0.03 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		316183		
78	45.2	38.8	58.2		
103	44.1	37.0	55.6		





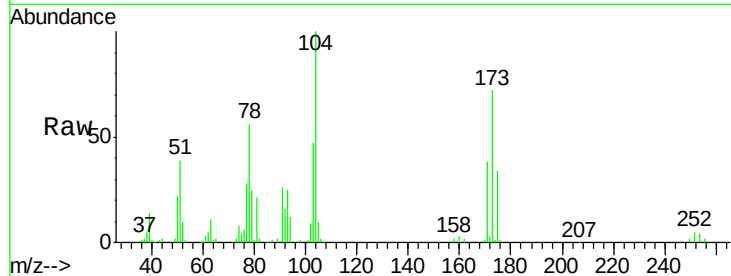
#71
Bromoform
Concen: 53.565 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.03 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

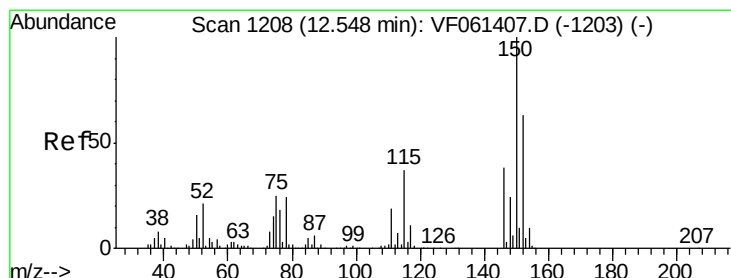
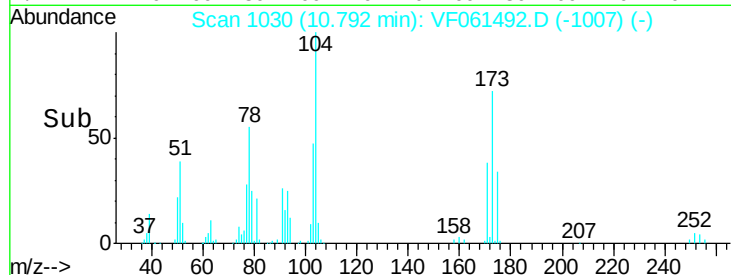
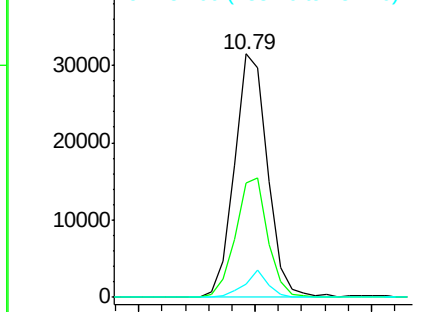
Tot Ion	Ratio	Lower	Upper
173	100		
175	46.8	24.1	72.4
254	5.5	0.0	0.0#

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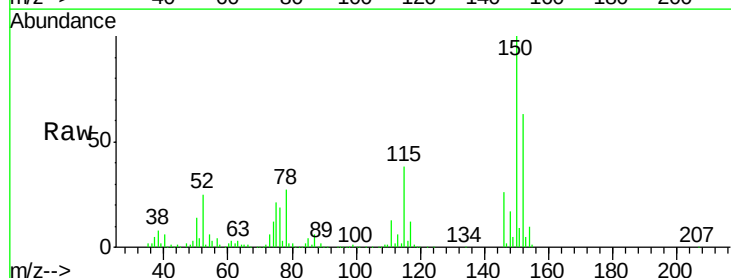


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

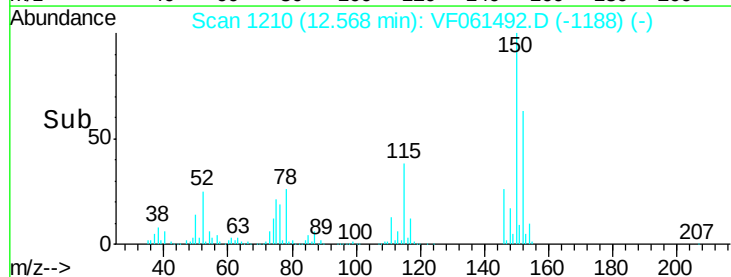
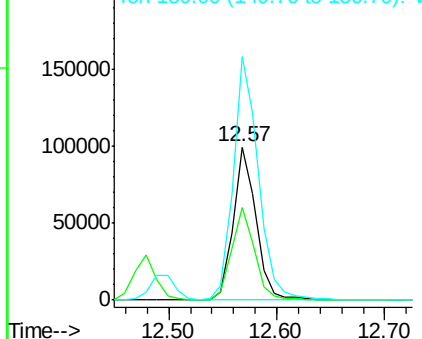


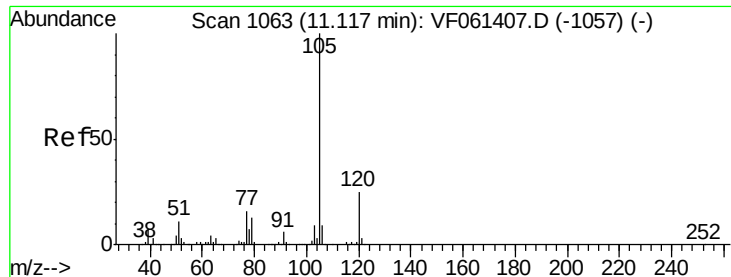
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.57 min Scan# 1210
Delta R.T. 0.02 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	30.0	90.0
150	159.3	0.0	321.4



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: 57.094 ug/l

RT: 11.15 min Scan# 1066

Delta R.T. 0.03 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 680133

Ion Ratio Lower Upper

105 100

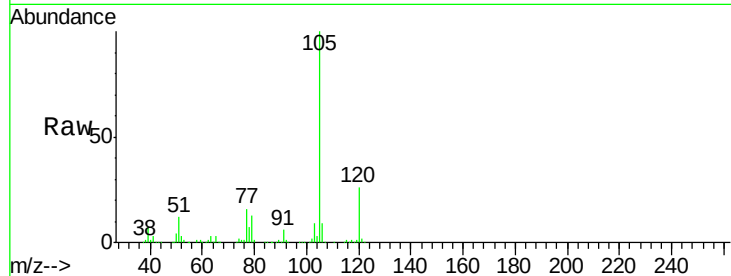
120 25.8 12.6 37.8

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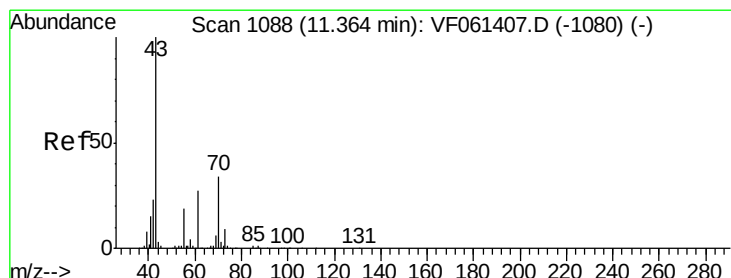
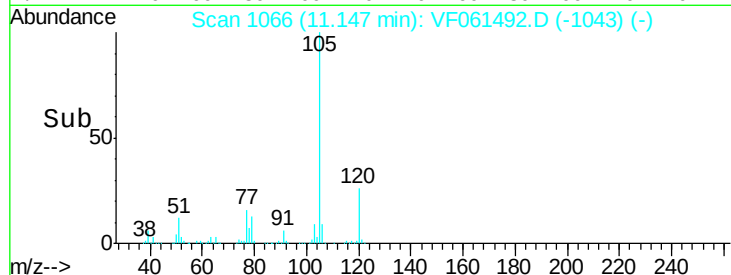
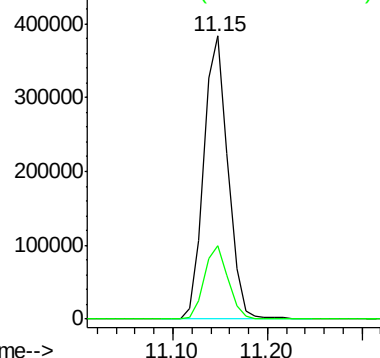
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 61.755 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. 0.03 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Tgt Ion: 43 Resp: 173956

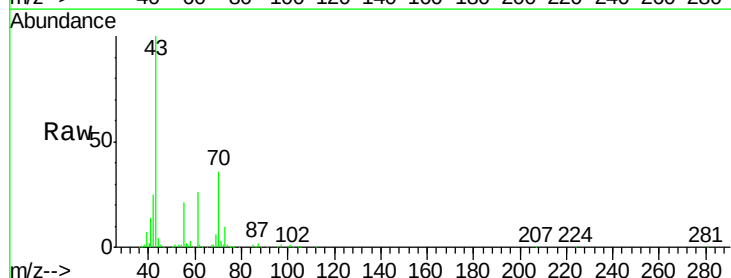
Ion Ratio Lower Upper

43 100

70 35.9 27.6 41.4

55 20.8 15.4 23.2

61 26.1 21.8 32.6

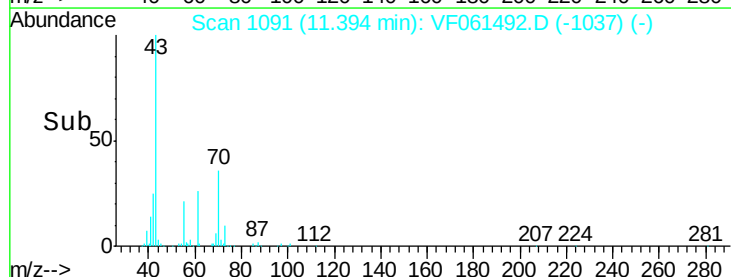
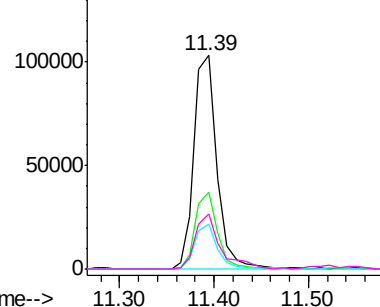


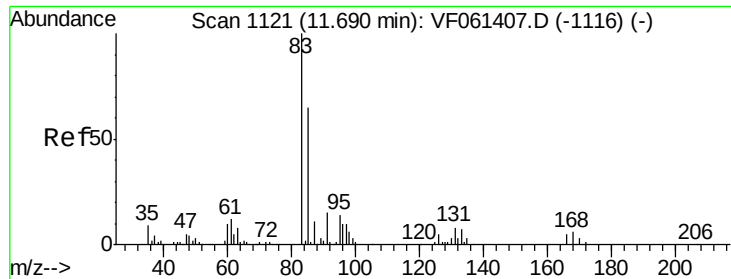
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





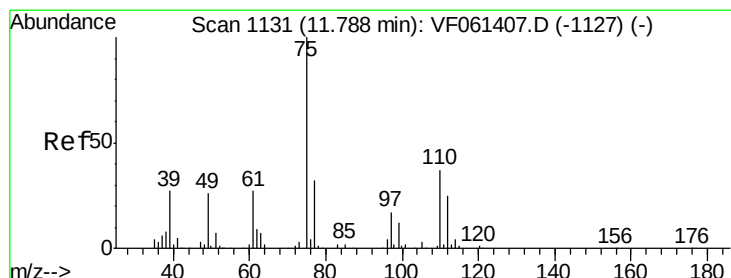
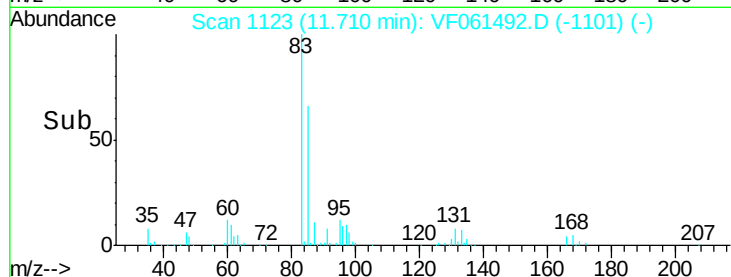
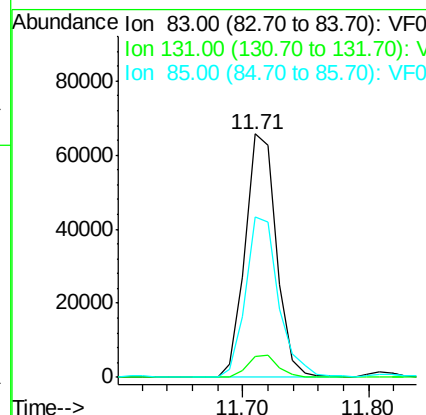
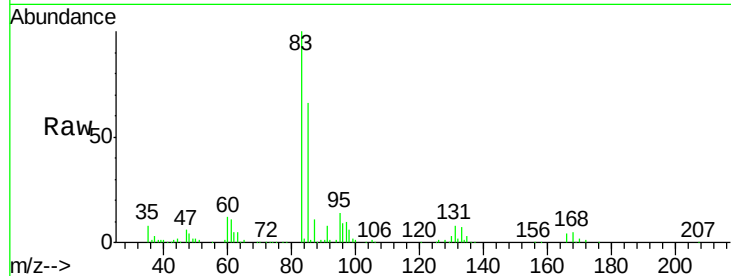
#75
 1,1,2,2-Tetrachloroethane
 Concen: 53.149 ug/l
 RT: 11.71 min Scan# 1123
 Delta R.T. 0.02 min
 Lab File: VF061492.D
 Acq: 24 Jan 2019 10:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	83	Resp	112792
Ion Ratio	100	Lower	Upper
83	100		
131	8.4	4.0	12.2
85	65.6	32.7	98.1

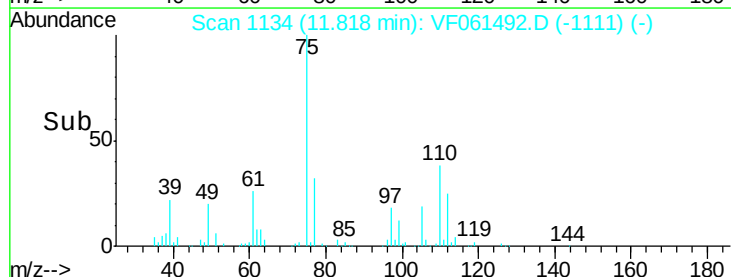
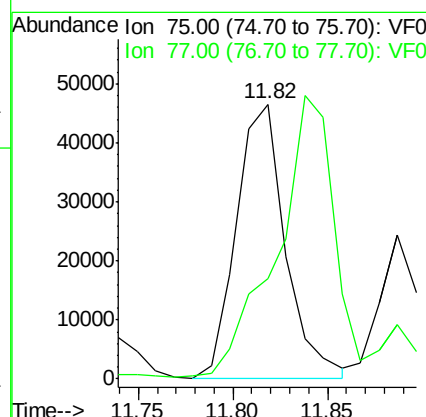
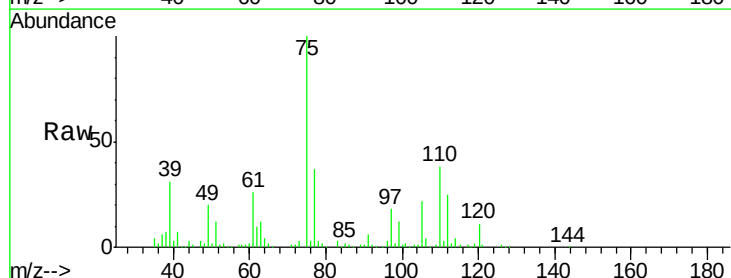
Manual Integrations
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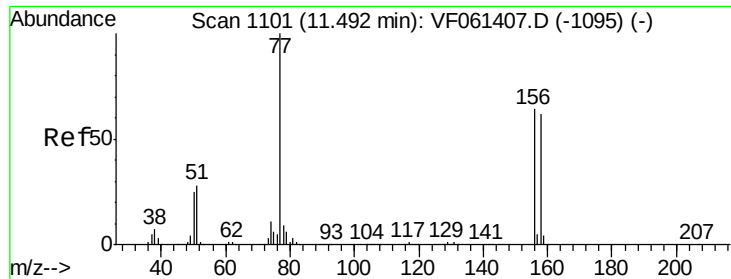
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#76
 1,2,3-Trichloropropane
 Concen: 55.028 ug/l
 RT: 11.82 min Scan# 1134
 Delta R.T. 0.03 min
 Lab File: VF061492.D
 Acq: 24 Jan 2019 10:54

Tgt Ion	75	Resp	83912
Ion Ratio	100	Lower	Upper
75	100		
77	36.6	16.1	48.3





#77

Bromobenzene

Concen: 56.157 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. 0.02 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

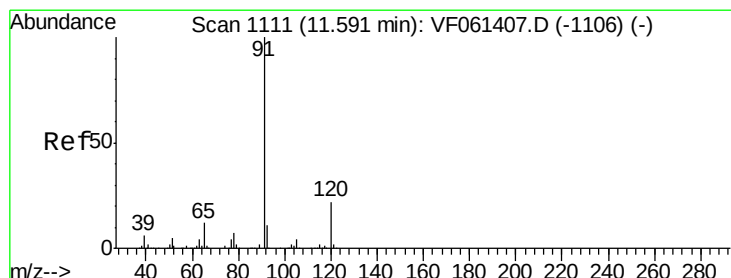
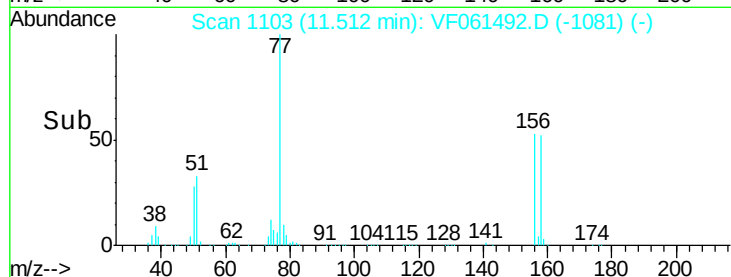
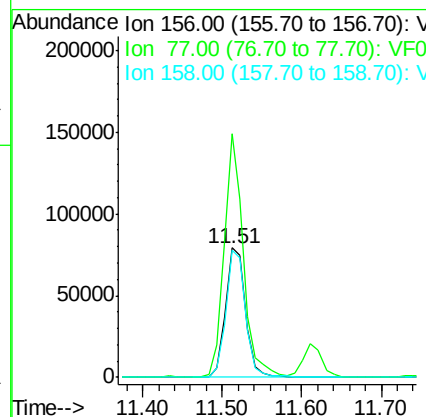
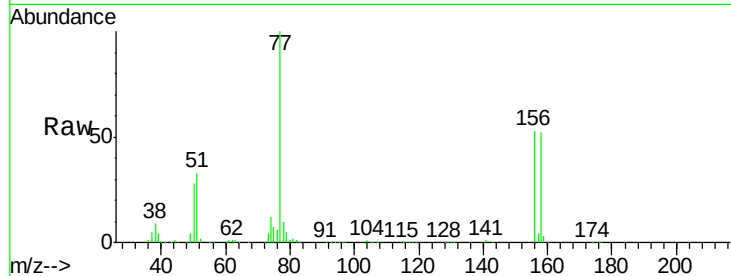
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	141282
Ion Ratio	Lower	Upper	
156	100		
77	188.5	78.3	234.9
158	98.4	48.9	146.7

Manual Integrations
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#78

n-propylbenzene

Concen: 53.245 ug/l

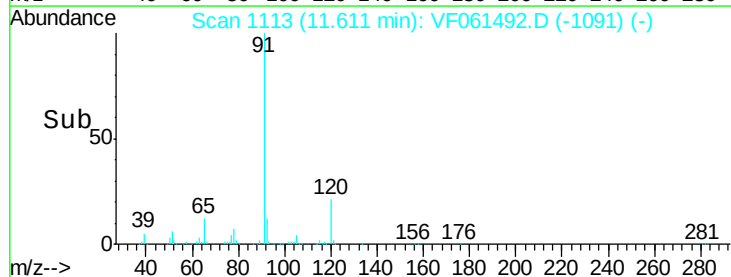
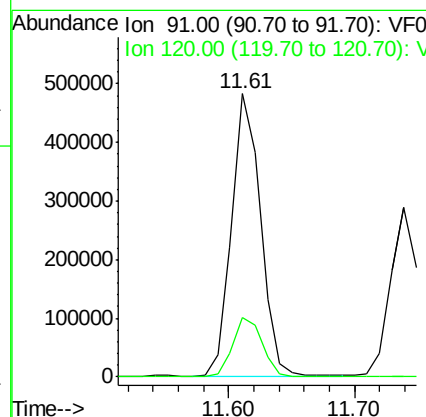
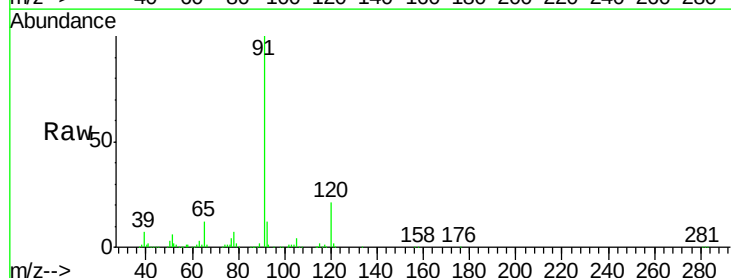
RT: 11.61 min Scan# 1113

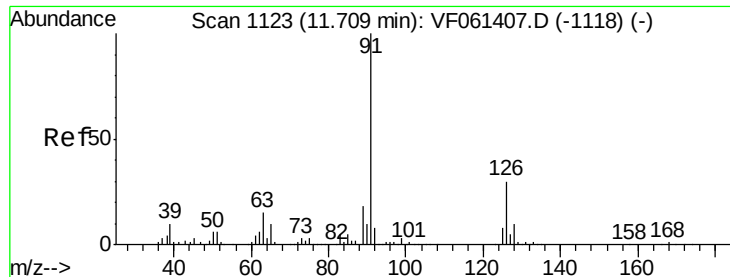
Delta R.T. 0.02 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Tgt Ion:	91	Resp:	766282
Ion Ratio	Lower	Upper	
91	100		
120	20.9	10.9	32.6





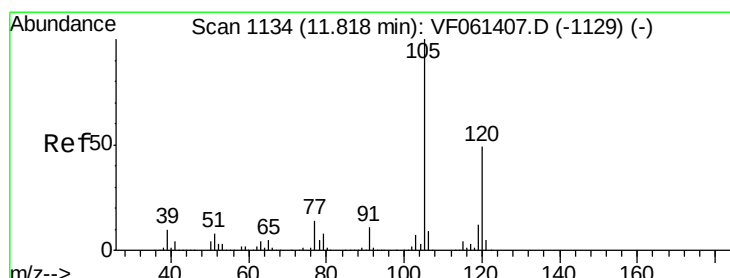
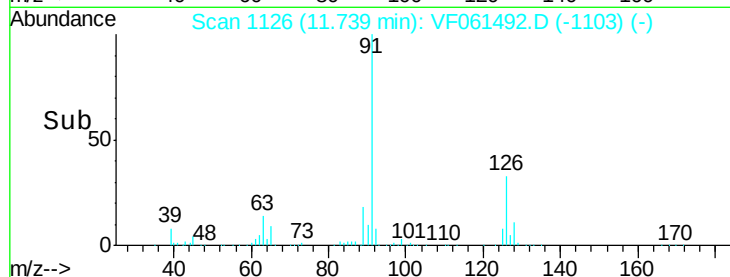
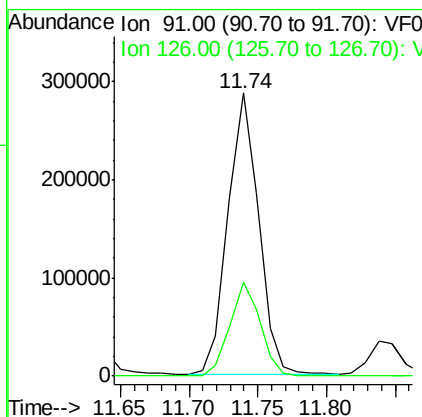
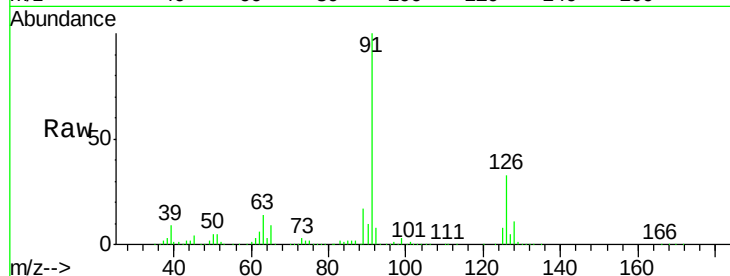
#79
2-Chlorotoluene
Concen: 53.813 ug/l
RT: 11.74 min Scan# 1126
Delta R.T. 0.03 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 444788
Ion Ratio Lower Upper
91 100
126 33.3 15.0 45.1

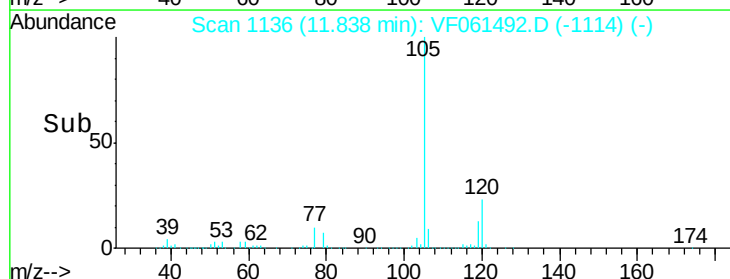
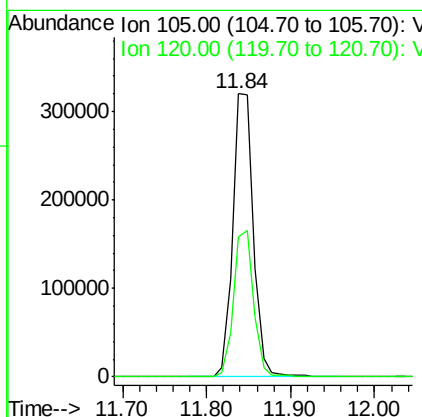
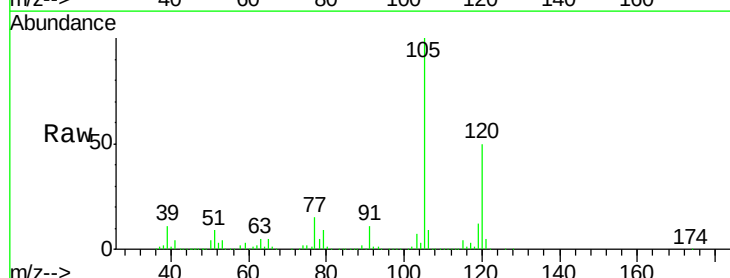
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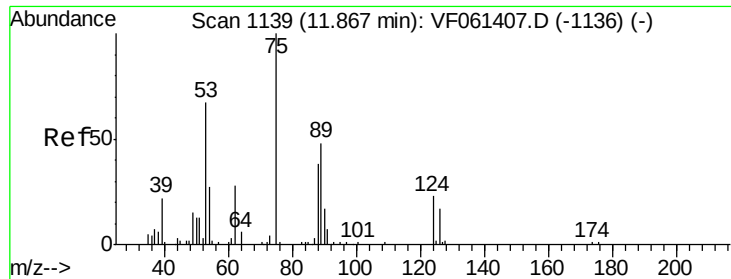
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#80
1,3,5-Trimethylbenzene
Concen: 56.471 ug/l
RT: 11.84 min Scan# 1136
Delta R.T. 0.02 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Tgt Ion: 105 Resp: 542895
Ion Ratio Lower Upper
105 100
120 49.6 24.7 74.1





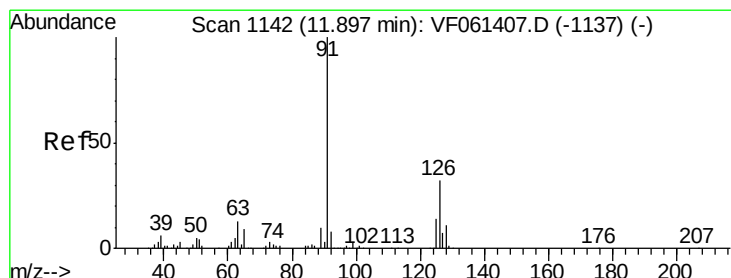
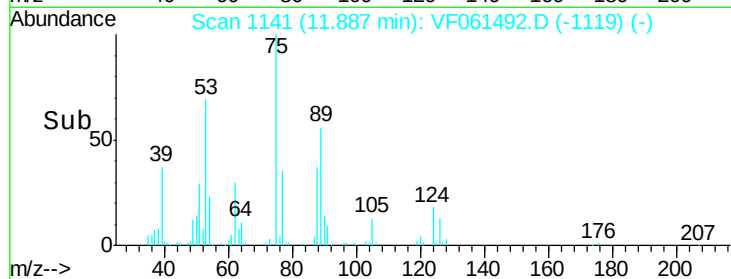
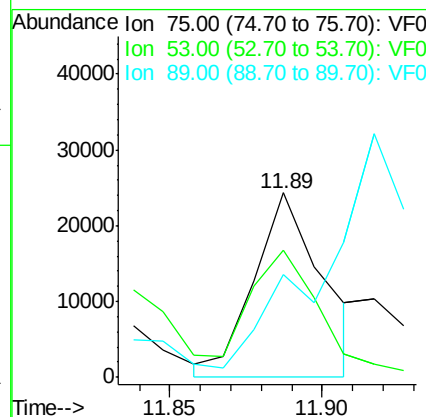
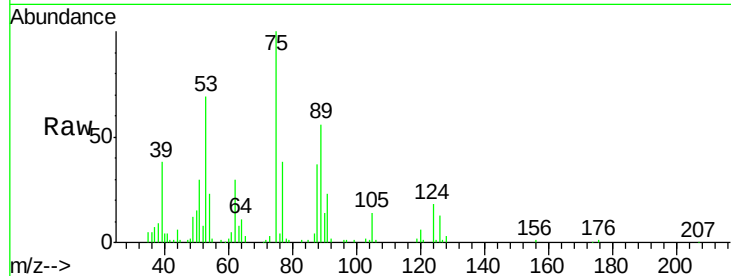
#81
trans-1,4-Dichloro-2-butene
Concen: 57.298 ug/l m
RT: 11.89 min Scan# 1141
Delta R.T. 0.02 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	68.8	57.8	86.6
89	56.2	40.7	61.1

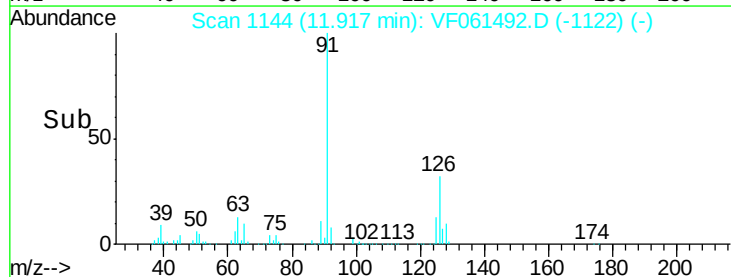
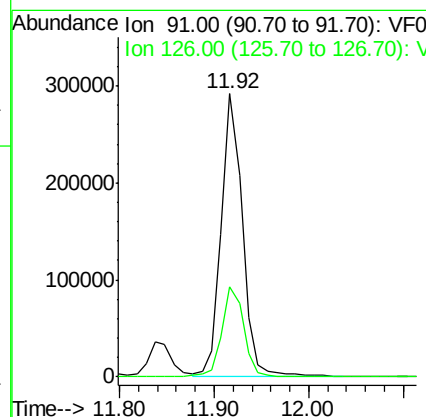
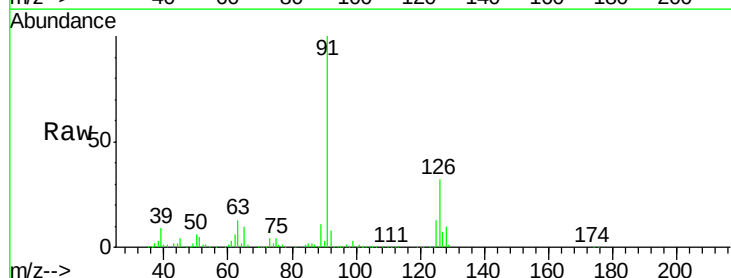
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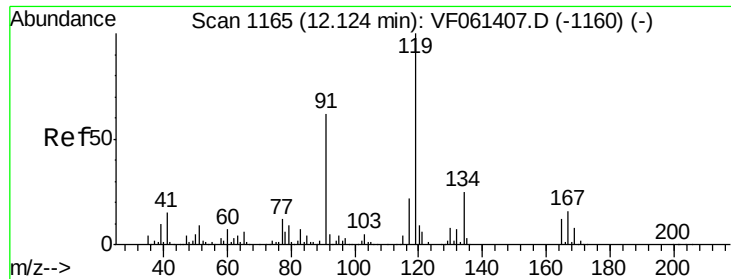
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#82
4-Chlorotoluene
Concen: 54.024 ug/l
RT: 11.92 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.0	47.9





#83

tert-Butylbenzene

Concen: 55.840 ug/l

RT: 12.15 min Scan# 1168

Delta R.T. 0.03 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

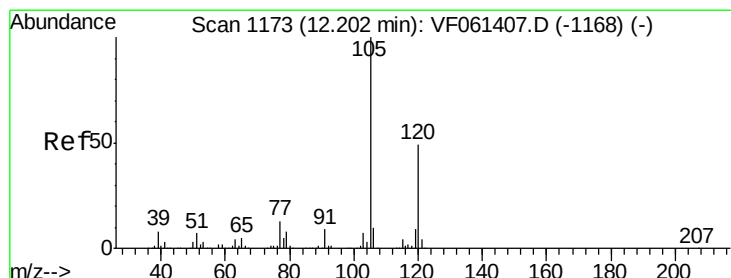
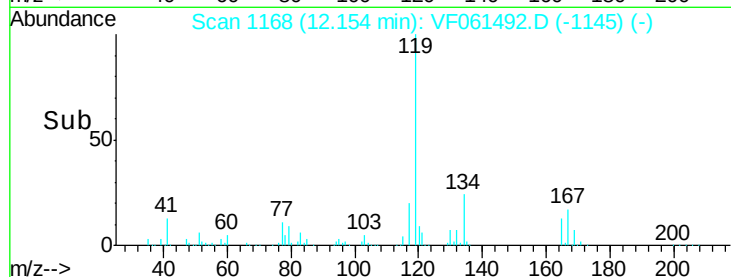
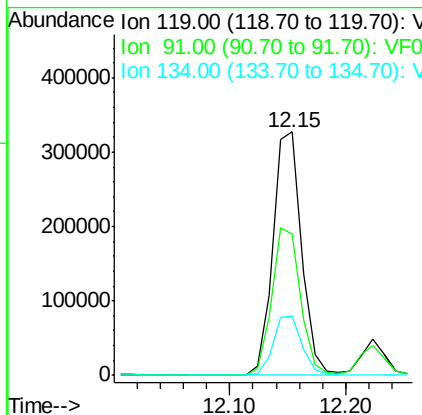
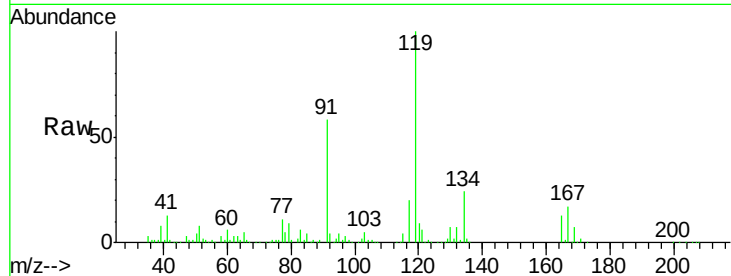
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	555629
Ion Ratio	Lower	Upper	
119	100		
91	58.0	31.3	93.8
134	24.5	12.4	37.0

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#84

1,2,4-Trimethylbenzene

Concen: 55.068 ug/l

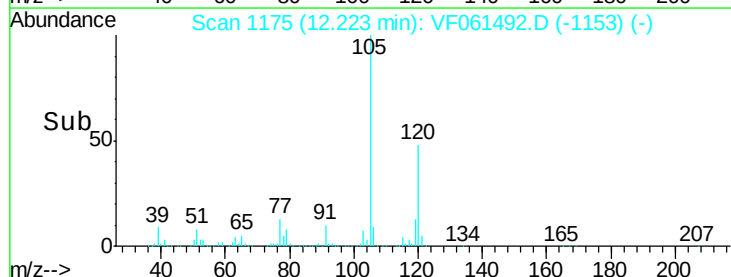
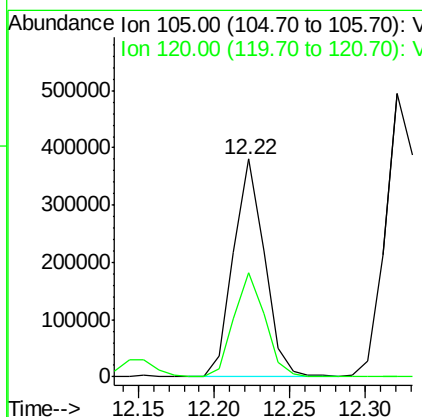
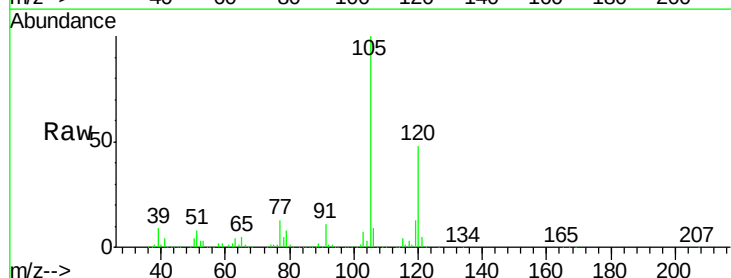
RT: 12.22 min Scan# 1175

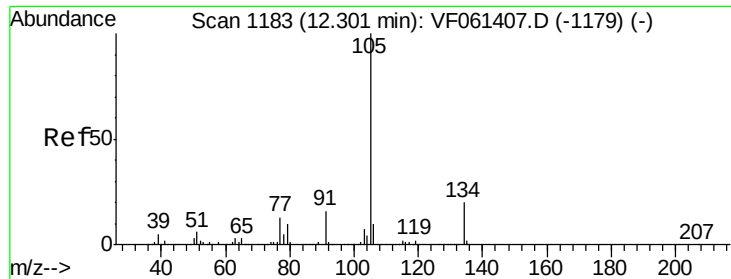
Delta R.T. 0.02 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Tgt Ion:	105	Resp:	545314
Ion Ratio	Lower	Upper	
105	100		
120	48.0	24.9	74.6





#85

sec-Butylbenzene

Concen: 55.773 ug/l

RT: 12.32 min Scan# 1185

Delta R.T. 0.02 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 753654

Ion Ratio Lower Upper

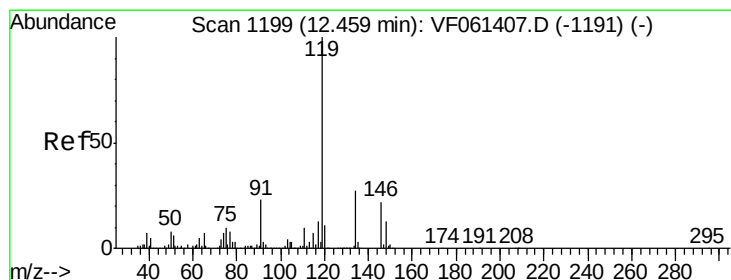
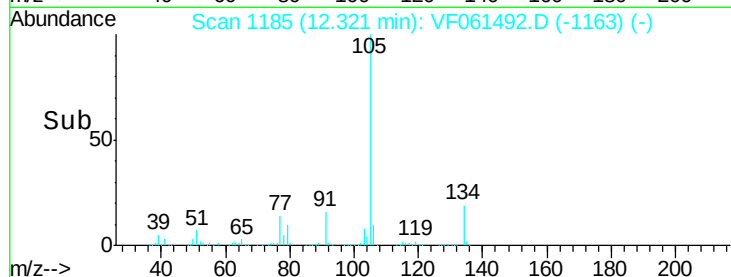
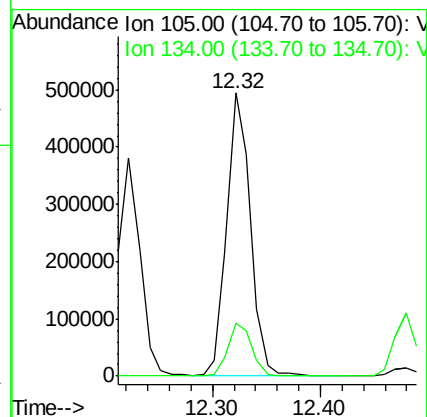
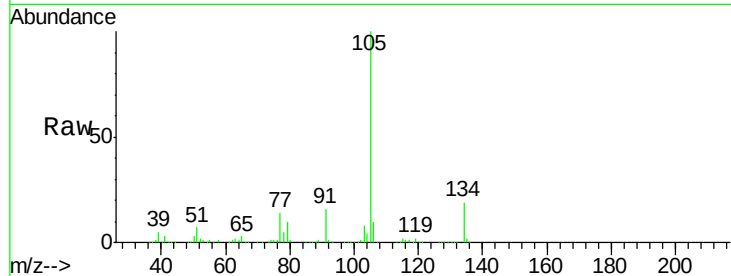
105 100

134 18.8 10.0 30.0

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#86

p-Isopropyltoluene

Concen: 55.885 ug/l

RT: 12.48 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

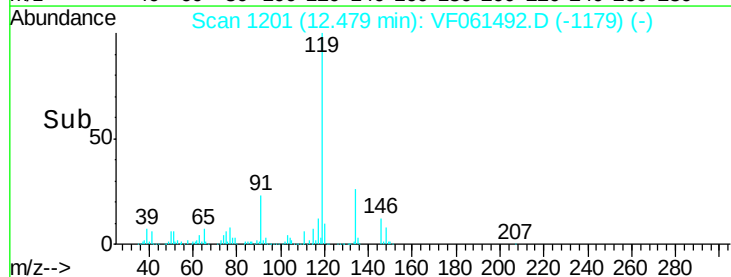
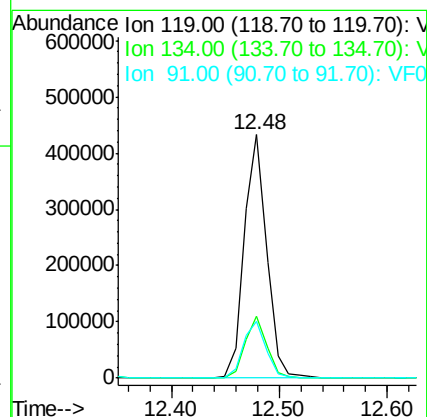
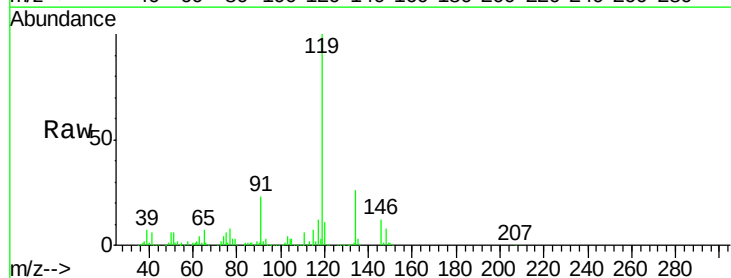
Tgt Ion:119 Resp: 619909

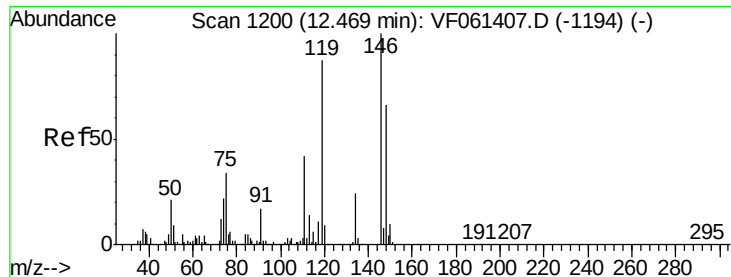
Ion Ratio Lower Upper

119 100

134 25.6 13.4 40.2

91 23.2 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 52.371 ug/l

RT: 12.49 min Scan# 1202

Delta R.T. 0.02 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

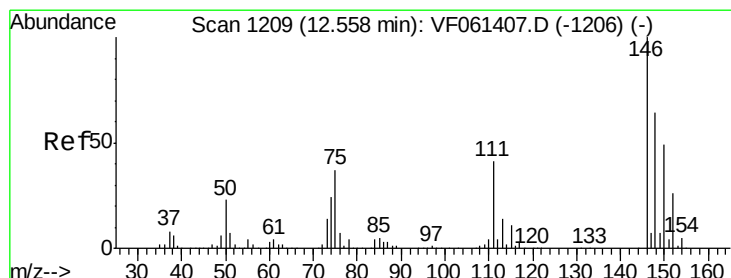
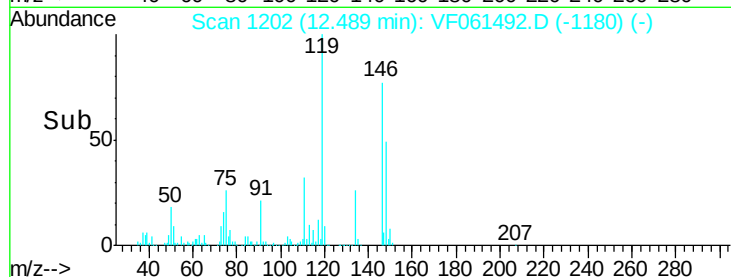
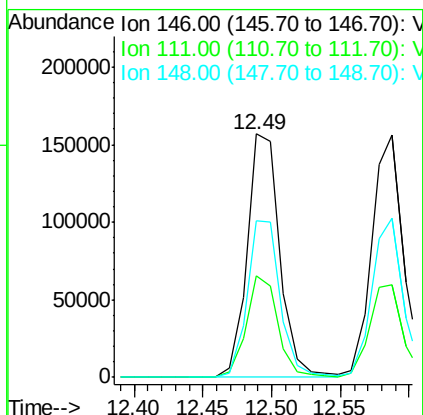
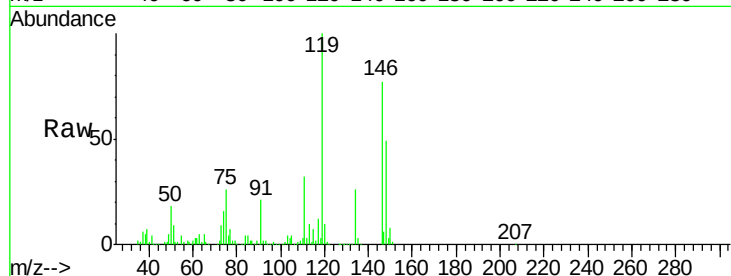
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	260573
Ion Ratio	Lower	Upper	
146	100		
111	41.7	21.1	63.4
148	64.3	32.9	98.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.902 ug/l

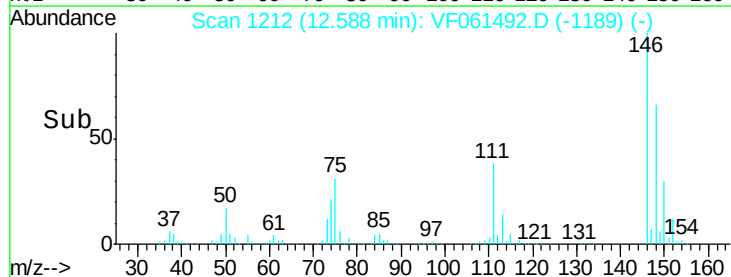
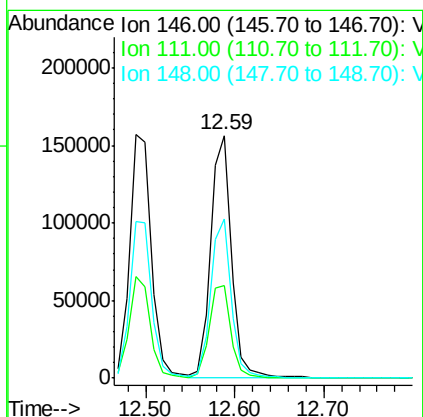
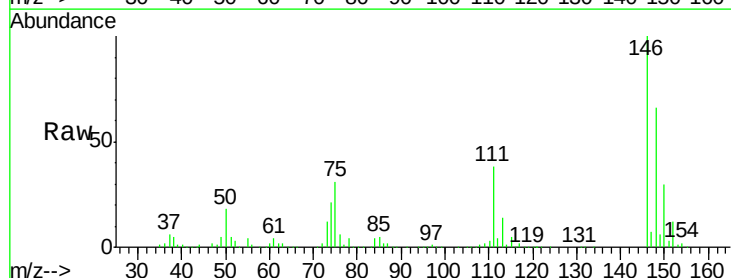
RT: 12.59 min Scan# 1212

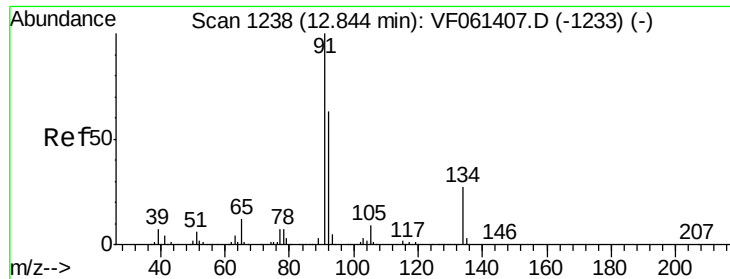
Delta R.T. 0.03 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Tgt Ion:	146	Resp:	251503
Ion Ratio	Lower	Upper	
146	100		
111	38.3	20.8	62.2
148	65.9	32.1	96.5





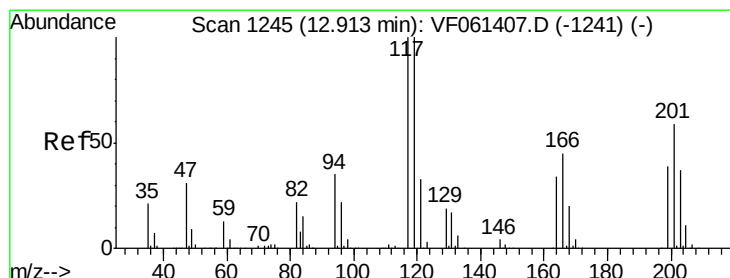
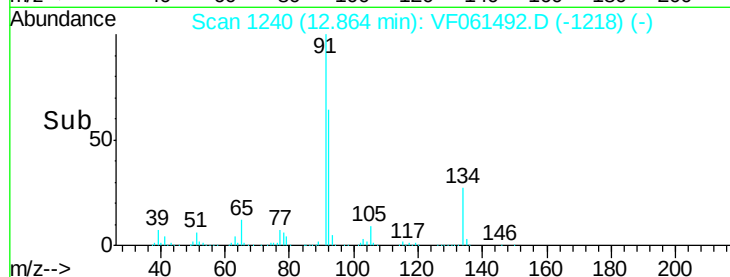
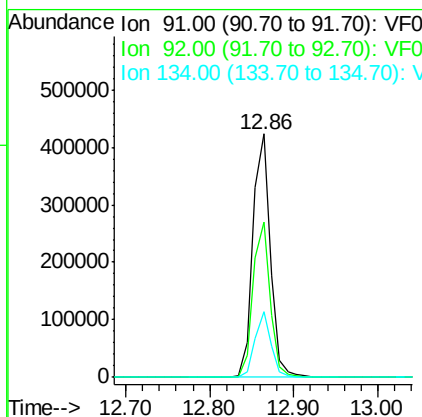
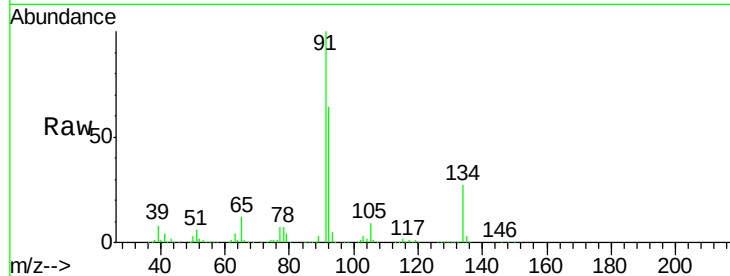
#89
n-Butylbenzene
Concen: 53.965 ug/l
RT: 12.86 min Scan# 1240
Delta R.T. 0.02 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	617352		
92	63.8		31.6	94.7
134	26.9		13.6	40.8

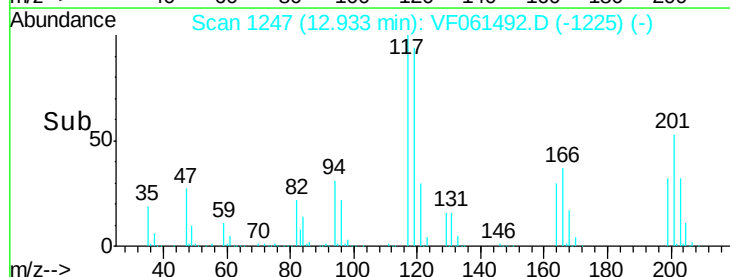
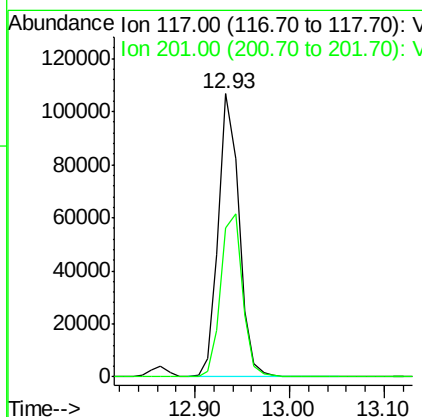
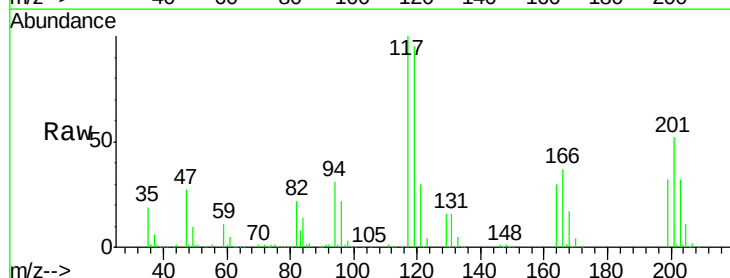
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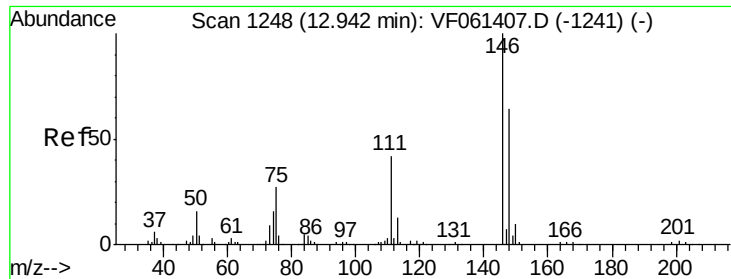
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#90
Hexachloroethane
Concen: 62.427 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. 0.02 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	163235		
201	53.6		29.3	87.8





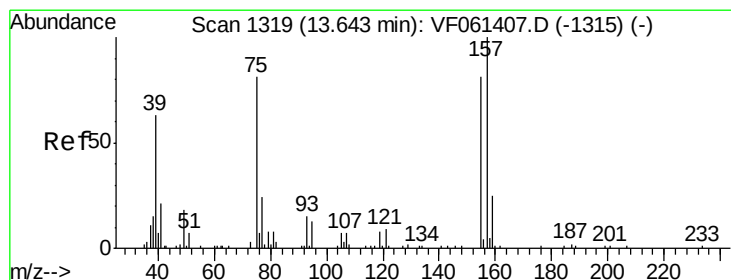
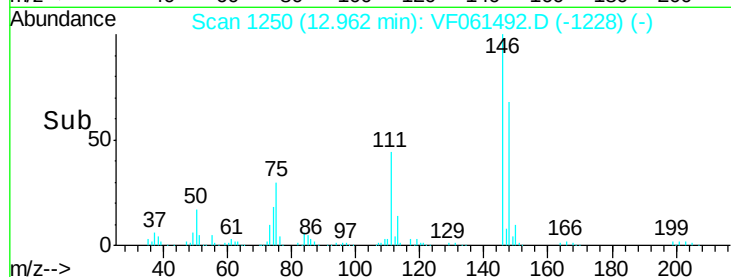
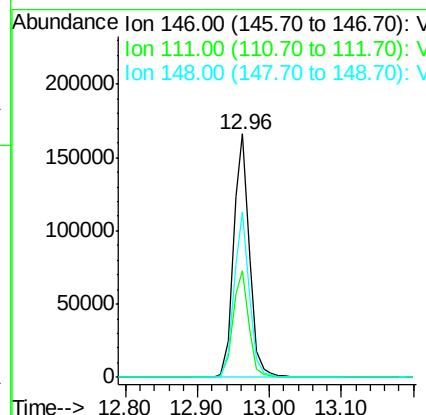
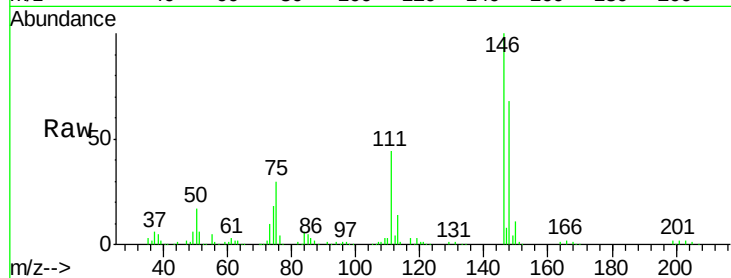
#91
 1,2-Dichlorobenzene
 Concen: 53.689 ug/l
 RT: 12.96 min Scan# 1250
 Delta R.T. 0.02 min
 Lab File: VF061492.D
 Acq: 24 Jan 2019 10:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.1	63.3
148	68.1	31.9	95.7

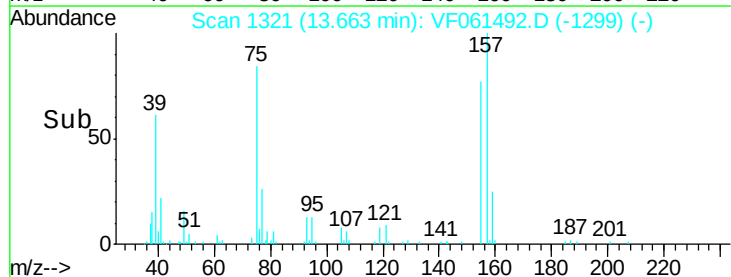
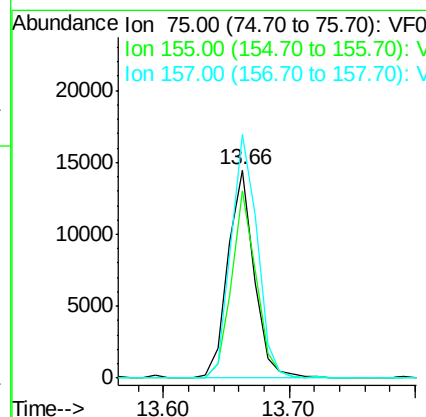
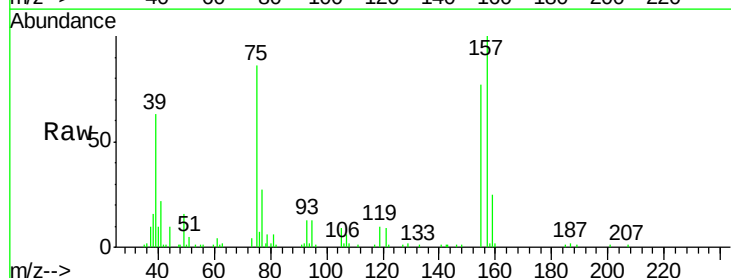
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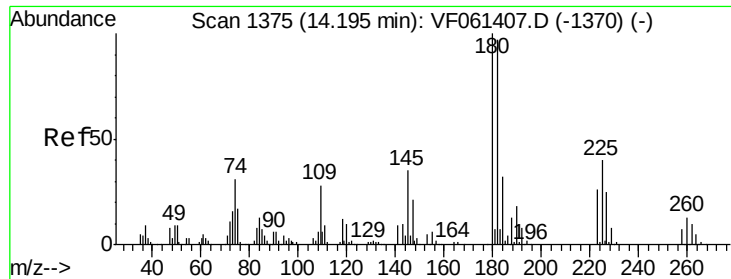
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.447 ug/l
 RT: 13.66 min Scan# 1321
 Delta R.T. 0.02 min
 Lab File: VF061492.D
 Acq: 24 Jan 2019 10:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.1	49.7	149.1
157	116.9	61.4	184.1





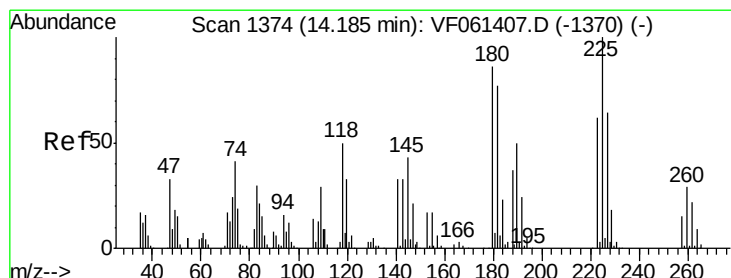
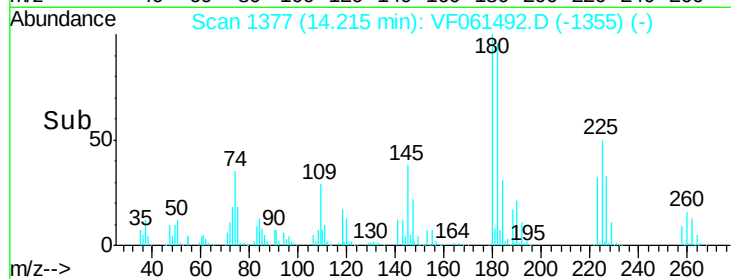
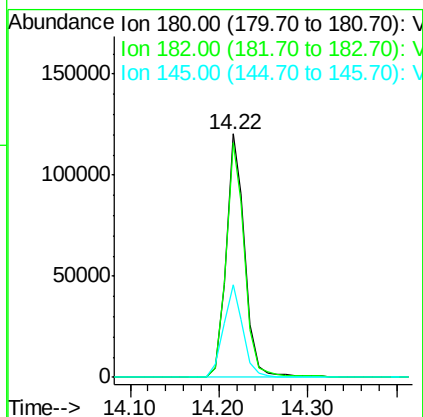
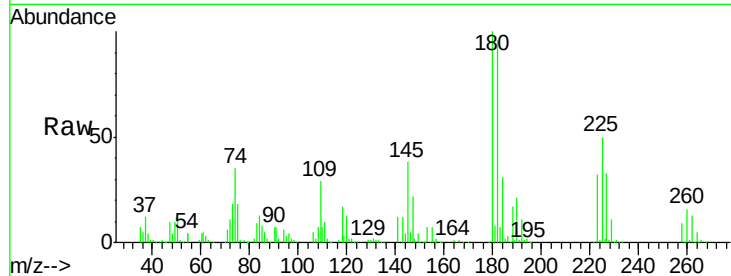
#93
 1,2,4-Trichlorobenzene
 Concen: 54.027 ug/l
 RT: 14.22 min Scan# 1377
 Delta R.T. 0.02 min
 Lab File: VF061492.D
 Acq: 24 Jan 2019 10:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	178121		
182	96.4	48.5	145.6	
145	38.0	17.5	52.6	

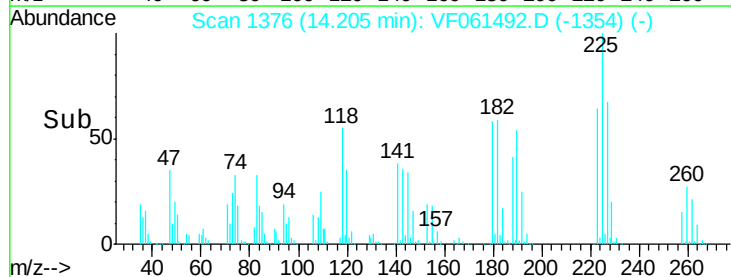
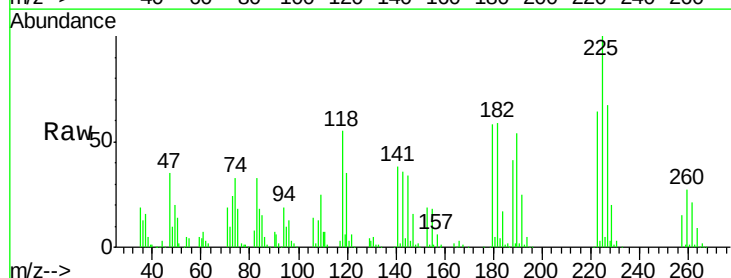
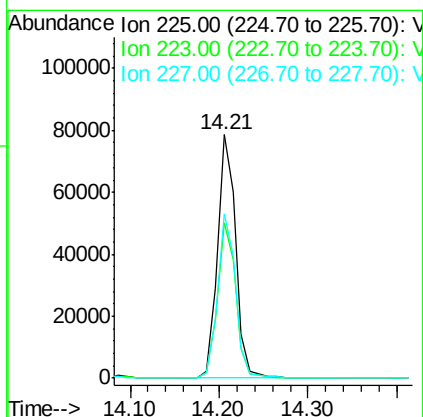
Manual Integrations
 APPROVED

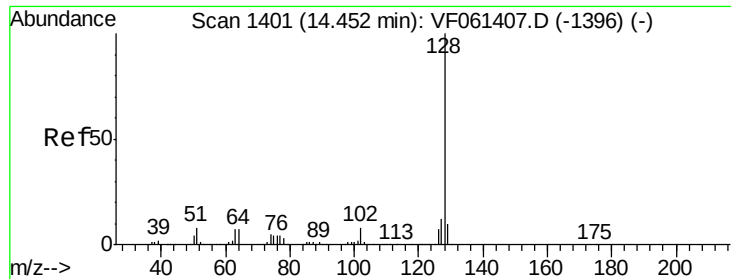
MMDadoda
 1/25/2019 10:26:23 AM



#94
 Hexachlorobutadiene
 Concen: 54.895 ug/l
 RT: 14.21 min Scan# 1376
 Delta R.T. 0.02 min
 Lab File: VF061492.D
 Acq: 24 Jan 2019 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	112303		
223	63.7	31.1	93.2	
227	67.5	32.2	96.6	





#95

Naphthalene

Concen: 53.381 ug/l

RT: 14.47 min Scan# 1403

Delta R.T. 0.02 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

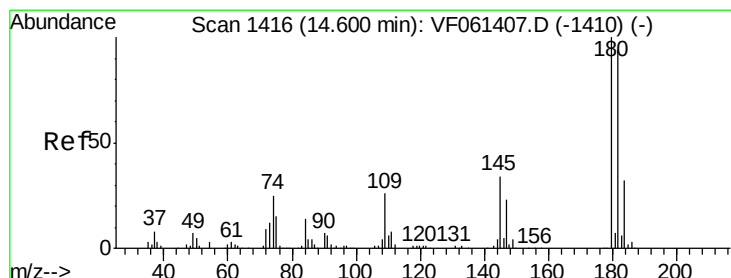
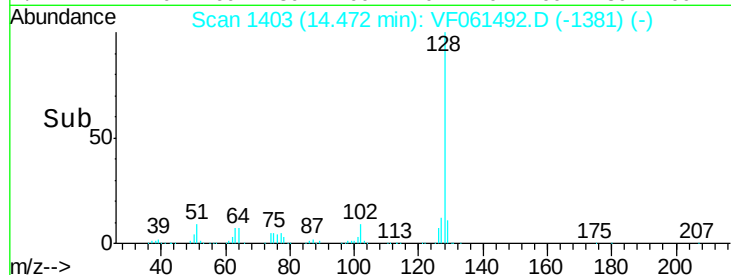
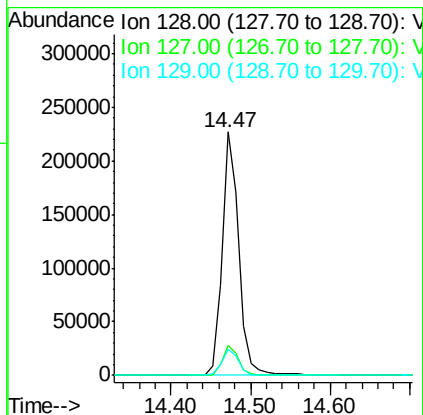
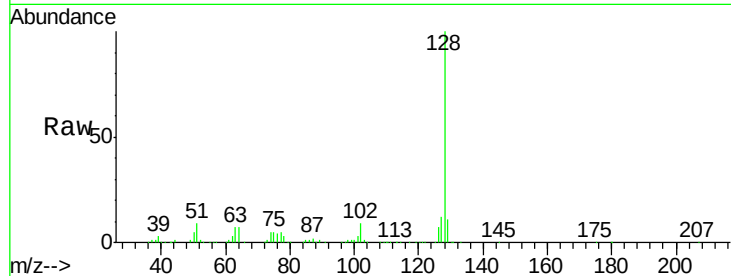
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	334369
Ion Ratio	Lower	Upper	
128	100		
127	12.2	9.5	14.3
129	10.8	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
1/25/2019 10:26:23 AM



#96

1,2,3-Trichlorobenzene

Concen: 53.348 ug/l

RT: 14.62 min Scan# 1418

Delta R.T. 0.02 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Tgt Ion:	180	Resp:	162815
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.0	141.2
145	35.1	17.1	51.2

