

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010719\
 Data File : VF061272.D
 Acq On : 7 Jan 2019 11:31
 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
 1/8/2019 12:57:52 PM

Quant Time: Jan 08 00:21:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010319S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 03:27:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.83	168	228293	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.56	114	400380	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.74	117	344295	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.53	152	175329	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.81	65	140181	48.37	ug/l	-0.04
Spiked Amount 50.000			Recovery =	96.74%		
35) Dibromofluoromethane	4.07	113	154502	50.16	ug/l	-0.05
Spiked Amount 50.000			Recovery =	100.32%		
50) Toluene-d8	7.52	98	464275	50.79	ug/l	-0.04
Spiked Amount 50.000			Recovery =	101.58%		
62) 4-Bromofluorobenzene	11.39	95	197254	48.70	ug/l	-0.02
Spiked Amount 50.000			Recovery =	97.40%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.94	85	196611	44.854	ug/l	99
3) Chloromethane	1.07	50	149698	44.579	ug/l	94
4) Vinyl Chloride	1.12	62	137388	47.234	ug/l	99
5) Bromomethane	1.30	94	98481	49.523	ug/l	92
6) Chloroethane	1.36	64	60977	46.259	ug/l	96
7) Trichlorofluoromethane	1.46	101	246901	47.171	ug/l	96
8) Diethyl Ether	1.61	74	37799	50.619	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.80	101	123444	47.205	ug/l	98
10) Methyl Iodide	1.87	142	201656m	47.727	ug/l	
11) Tert butyl alcohol	2.54	59	27657	226.175	ug/l #	87
12) 1,1-Dichloroethene	1.76	96	101813	46.316	ug/l	96
13) Acrolein	1.98	56	24563	246.174	ug/l	85
14) Allyl chloride	2.08	41	173994	57.254	ug/l	99
15) Acrylonitrile	2.92	53	72629	222.167	ug/l	99
16) Acetone	2.22	43	160890	325.155	ug/l	97
17) Carbon Disulfide	1.77	76	321090	47.969	ug/l #	93
18) Methyl Acetate	2.32	43	49929	44.301	ug/l	98
19) Methyl tert-butyl Ether	2.40	73	206797	45.132	ug/l	97
20) Methylene Chloride	2.16	84	98999m	44.202	ug/l	
21) trans-1,2-Dichloroethene	2.28	96	98290	42.513	ug/l	98
22) Diisopropyl ether	2.77	45	350713	45.896	ug/l	95
23) Vinyl Acetate	3.15	43	701122	200.347	ug/l	99
24) 1,1-Dichloroethane	2.85	63	205692	45.911	ug/l	99
25) 2-Butanone	4.30	43	246105	255.401	ug/l	95
26) 2,2-Dichloropropane	3.56	77	124392	48.214	ug/l	93
27) cis-1,2-Dichloroethene	3.44	96	155628	45.808	ug/l	98
28) Bromochloromethane	3.69	49	109659	51.704	ug/l	92
29) Tetrahydrofuran	4.03	42	101211	260.995	ug/l	97
30) Chloroform	3.82	83	285452	45.550	ug/l	95
31) Cyclohexane	3.66	56	217942	45.896	ug/l	97
32) 1,1,1-Trichloroethane	4.06	97	219140	53.836	ug/l	97
36) 1,1-Dichloropropene	4.25	75	220220	46.702	ug/l	98
37) Ethyl Acetate	4.07	43	88804	47.167	ug/l	86
38) Carbon Tetrachloride	3.95	117	205687m	54.484	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.42	83	235229	46.667	ug/l	96
40) Benzene	4.59	78	457796	42.778	ug/l	98
41) Methacrylonitrile	4.70	41	47023	48.442	ug/l	97
42) 1,2-Dichloroethane	4.91	62	166472	46.493	ug/l	94
43) Isopropyl Acetate	6.93	43	119710	47.652	ug/l	98
44) Trichloroethene	5.47	130	145313	43.622	ug/l	95
45) 1,2-Dichloropropane	6.20	63	128927	47.188	ug/l	97
46) Dibromomethane	6.05	93	82844	46.080	ug/l	97
47) Bromodichloromethane	6.35	83	205003	44.795	ug/l	98
48) Methyl methacrylate	6.68	41	74171	45.596	ug/l	96
49) 1,4-Dioxane	6.67	88	9895	877.889	ug/l #	80
51) 4-Methyl-2-Pentanone	8.22	43	408910	259.432	ug/l	100
52) Toluene	7.59	92	298251	42.682	ug/l	100
53) t-1,3-Dichloropropene	8.24	75	165786	44.438	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	218998	46.186	ug/l	99
55) 1,1,2-Trichloroethane	8.46	97	93717	46.636	ug/l	96
56) Ethyl methacrylate	8.59	69	110861	49.918	ug/l	97
57) 1,3-Dichloropropane	8.81	76	153953	40.755	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.27	63	31297	116.044	ug/l	93
59) 2-Hexanone	9.46	43	313184	247.938	ug/l	100
60) Dibromochloromethane	8.69	129	136178	47.708	ug/l	92
61) 1,2-Dibromoethane	8.95	107	93136	42.944	ug/l	95
64) Tetrachloroethene	8.11	164	131346	49.780	ug/l	99
65) Chlorobenzene	9.76	112	326891	46.692	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.90	131	135194	47.022	ug/l	96
67) Ethyl Benzene	9.87	91	610286	47.420	ug/l	97
68) m/p-Xylenes	10.10	106	434612	92.535	ug/l	98
69) o-Xylene	10.68	106	247464	48.706	ug/l	96
70) Styrene	10.76	104	323281	46.221	ug/l	99
71) Bromoform	10.75	173	68739	51.354	ug/l #	97
73) Isopropylbenzene	11.10	105	708916	47.600	ug/l	98
74) N-amyl acetate	11.35	43	190557	50.679	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.68	83	122378	47.043	ug/l	99
76) 1,2,3-Trichloropropane	11.77	75	90056	46.633	ug/l	94
77) Bromobenzene	11.47	156	152733	48.851	ug/l	98
78) n-propylbenzene	11.57	91	813055	45.801	ug/l	99
79) 2-Chlorotoluene	11.69	91	463427	45.203	ug/l	99
80) 1,3,5-Trimethylbenzene	11.80	105	550459	45.783	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.84	75	37745m	42.645	ug/l	
82) 4-Chlorotoluene	11.87	91	471626	45.379	ug/l	99
83) tert-Butylbenzene	12.11	119	576284	46.487	ug/l	96
84) 1,2,4-Trimethylbenzene	12.18	105	573568	47.920	ug/l	100
85) sec-Butylbenzene	12.29	105	777316	46.226	ug/l	98
86) p-Isopropyltoluene	12.43	119	632226	45.631	ug/l	97
87) 1,3-Dichlorobenzene	12.45	146	273420	45.321	ug/l	98
88) 1,4-Dichlorobenzene	12.54	146	271239	46.079	ug/l	99
89) n-Butylbenzene	12.82	91	637366	51.375	ug/l	97
90) Hexachloroethane	12.90	117	161897	47.363	ug/l	83
91) 1,2-Dichlorobenzene	12.92	146	263815	45.267	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.62	75	22254	47.604	ug/l	78

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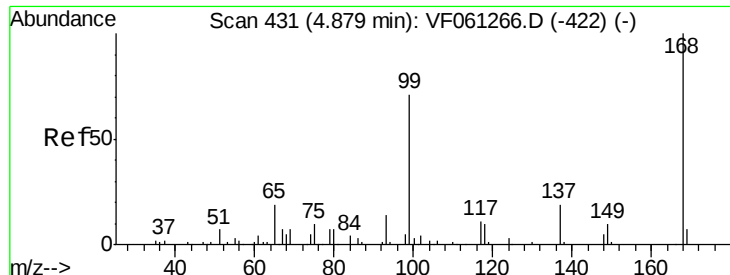
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	190412	46.659	ug/l	96
94) Hexachlorobutadiene	14.17	225	121852	46.864	ug/l	98
95) Naphthalene	14.44	128	367979	48.240	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	181741	48.031	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.05 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 228293

Ion Ratio Lower Upper

168 100

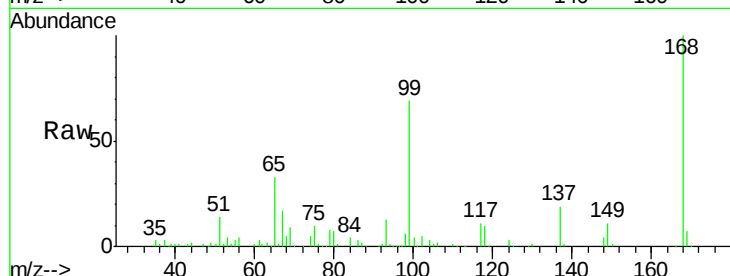
99 69.0 57.0 85.6

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.83

80000

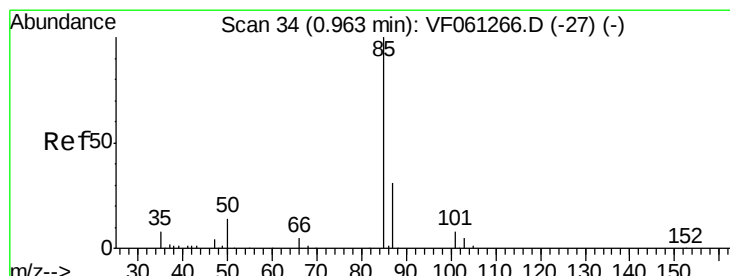
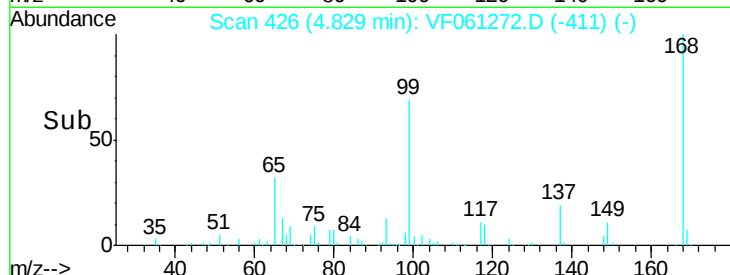
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.854 ug/l

RT: 0.94 min Scan# 32

Delta R.T. -0.02 min

Lab File: VF061272.D

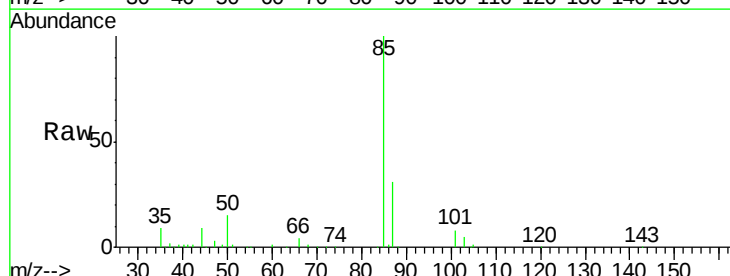
Acq: 7 Jan 2019 11:31

Tgt Ion: 85 Resp: 196611

Ion Ratio Lower Upper

85 100

87 30.7 15.6 46.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.94

80000

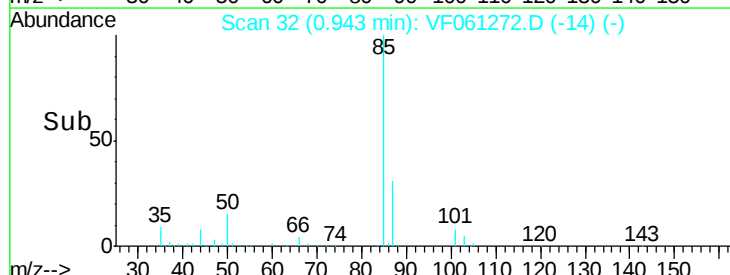
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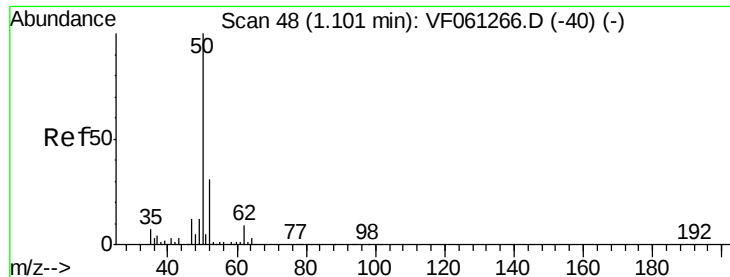
40000

20000

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Time-->





#3

Chloromethane

Concen: 44.579 ug/l

RT: 1.07 min Scan# 45

Delta R.T. -0.03 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 149698

Ion Ratio Lower Upper

50 100

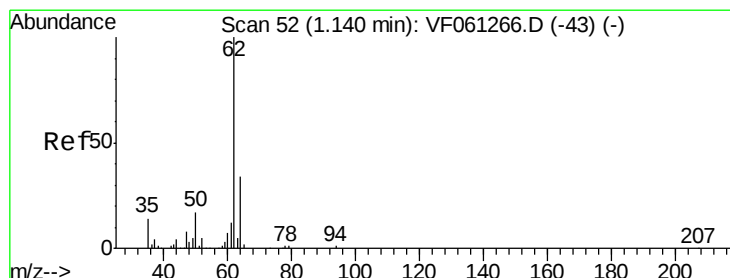
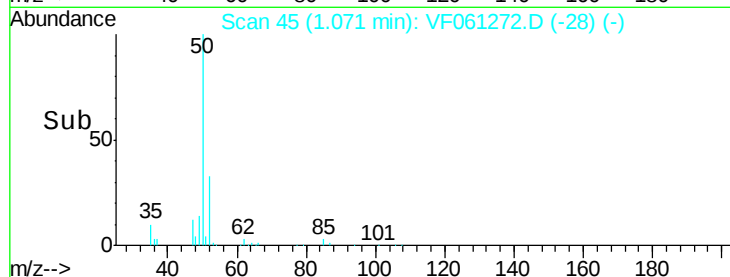
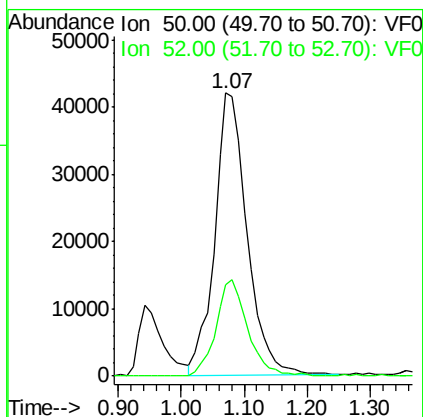
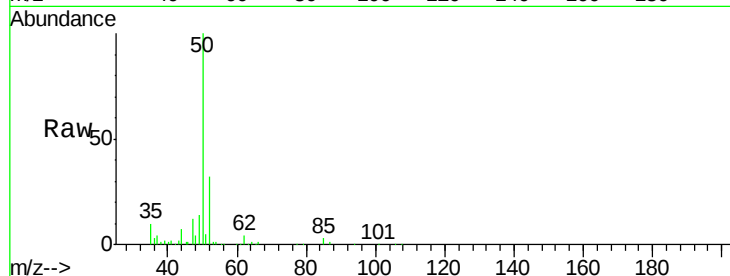
52 32.4 23.4 35.2

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1/8/2019 12:57:52 PM



#4

Vinyl Chloride

Concen: 47.234 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.02 min

Lab File: VF061272.D

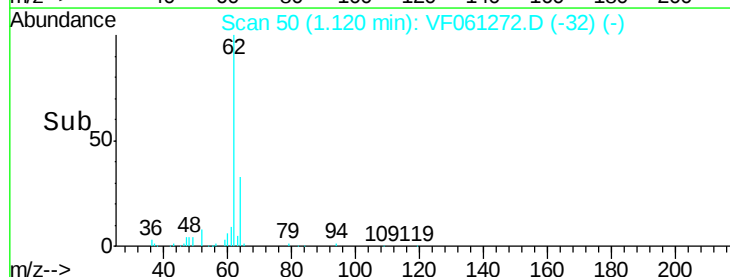
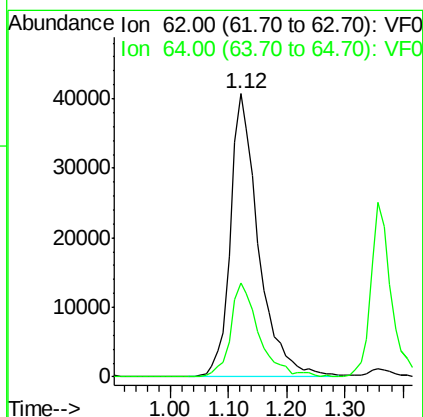
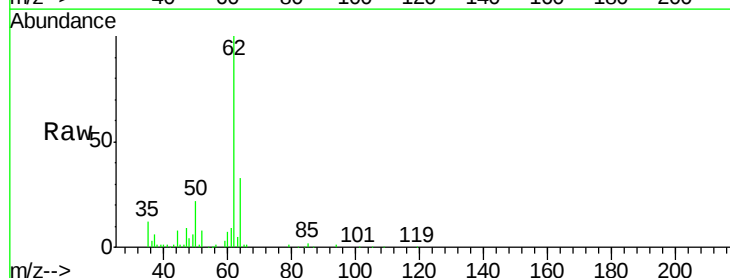
Acq: 7 Jan 2019 11:31

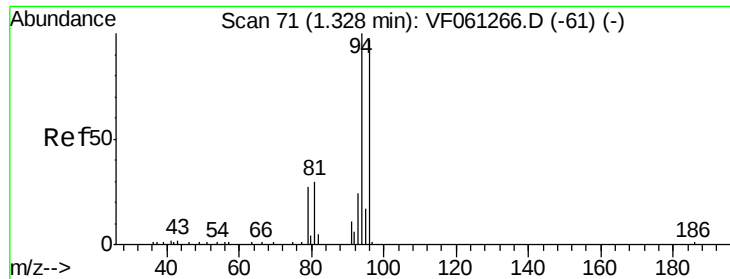
Tgt Ion: 62 Resp: 137388

Ion Ratio Lower Upper

62 100

64 33.1 26.9 40.3





#5

Bromomethane

Concen: 49.523 ug/l

RT: 1.30 min Scan# 68

Delta R.T. -0.03 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 98481

Ion Ratio Lower Upper

94 100

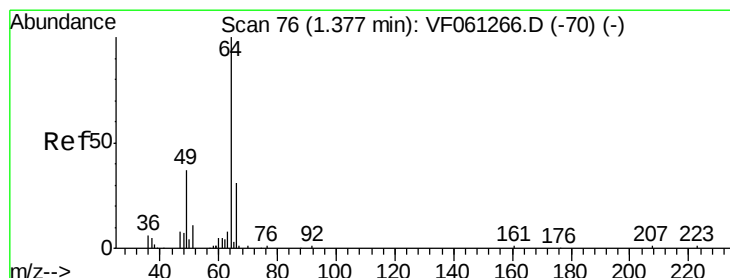
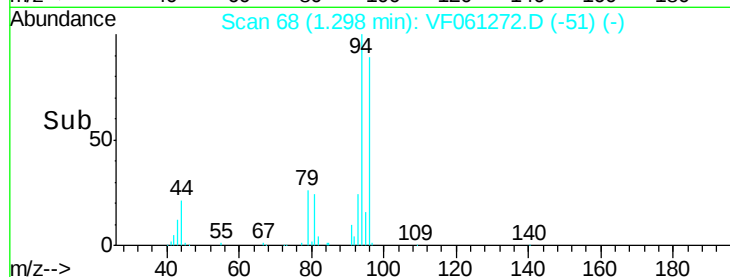
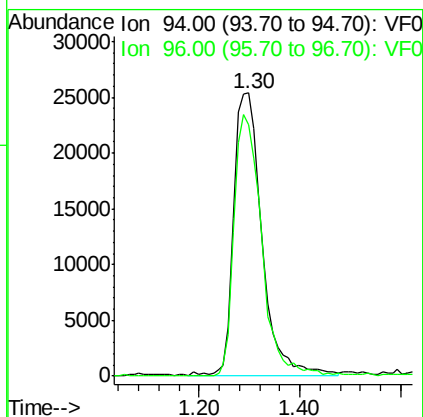
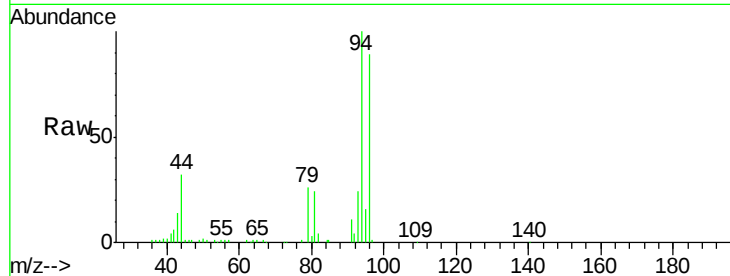
96 89.0 77.2 115.8

Manual Integrations

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#6

Chloroethane

Concen: 46.259 ug/l

RT: 1.36 min Scan# 74

Delta R.T. -0.02 min

Lab File: VF061272.D

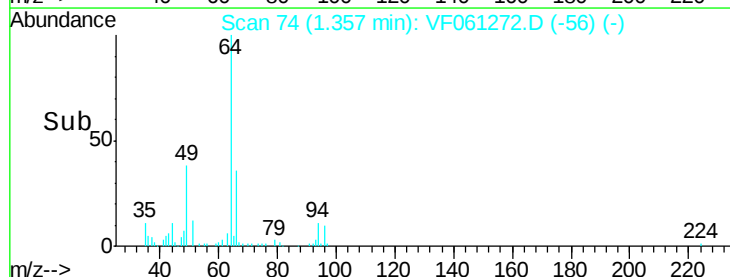
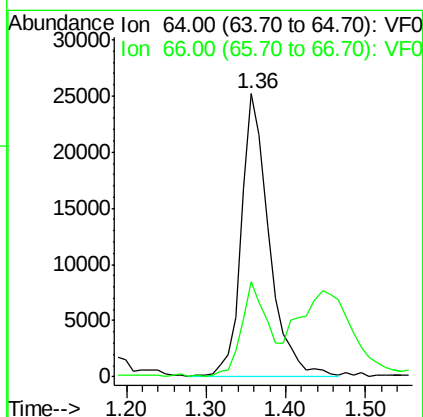
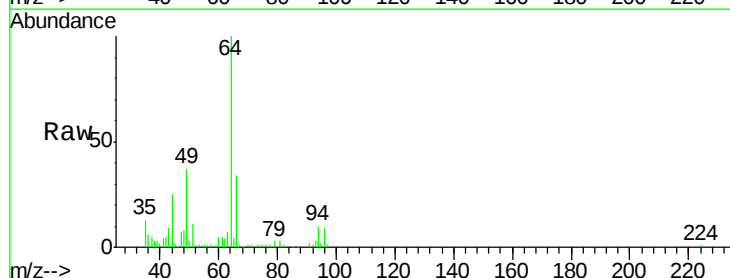
Acq: 7 Jan 2019 11:31

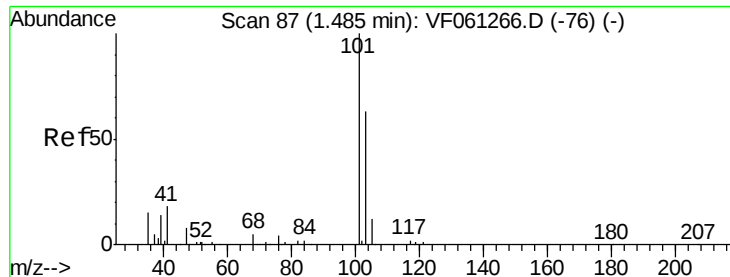
Tgt Ion: 64 Resp: 60977

Ion Ratio Lower Upper

64 100

66 33.8 25.2 37.8





#7

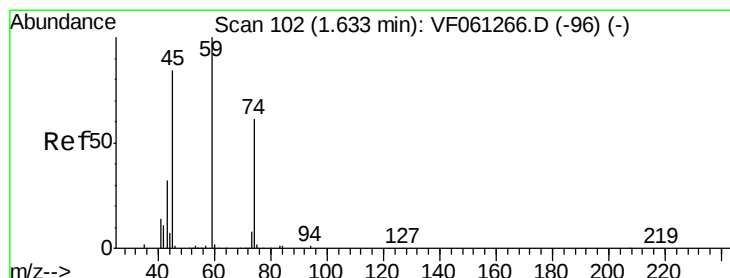
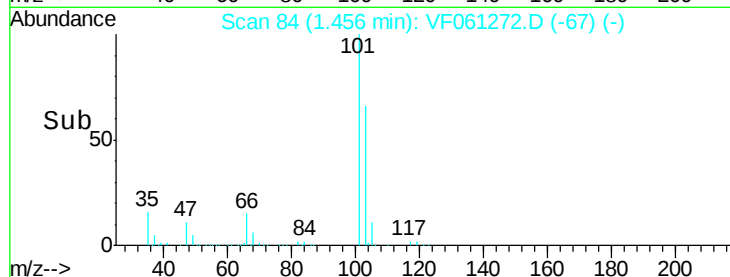
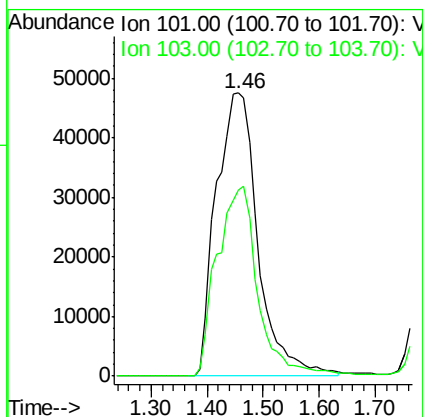
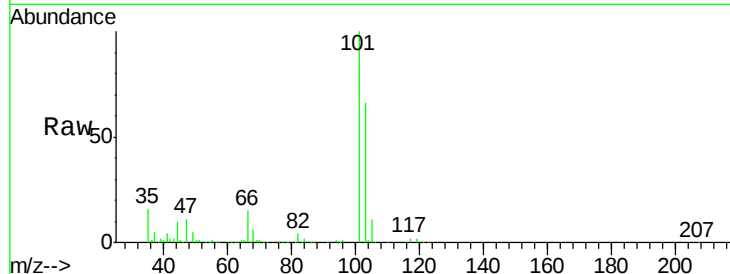
Trichlorofluoromethane
 Concen: 47.171 ug/l
 RT: 1.46 min Scan# 84
 Delta R.T. -0.03 min
 Lab File: VF061272.D
 Acq: 7 Jan 2019 11:31

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		246901		
103	65.8	50.3	75.5		

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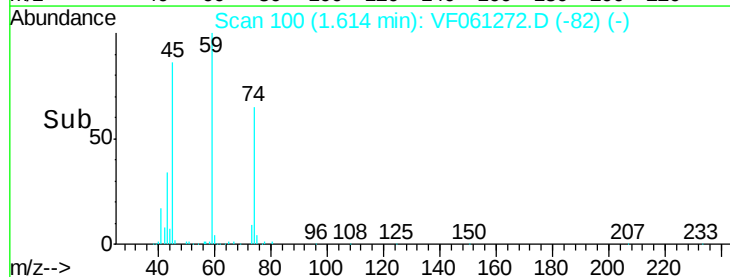
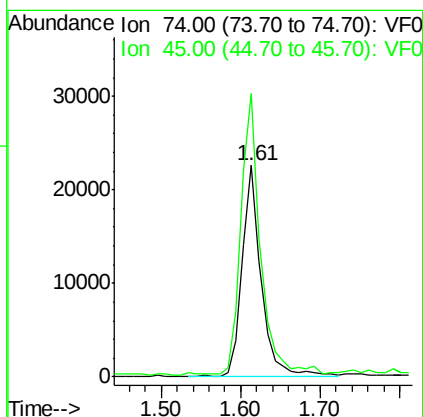
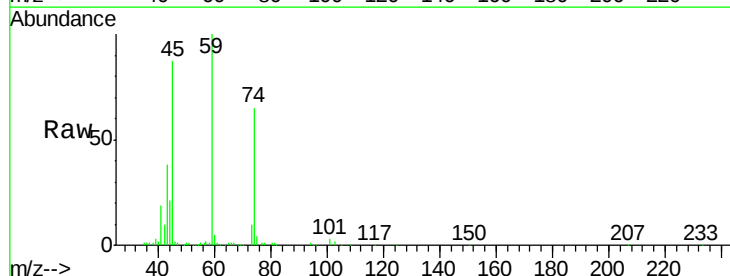
MMDadoda
 1/8/2019 12:57:52 PM

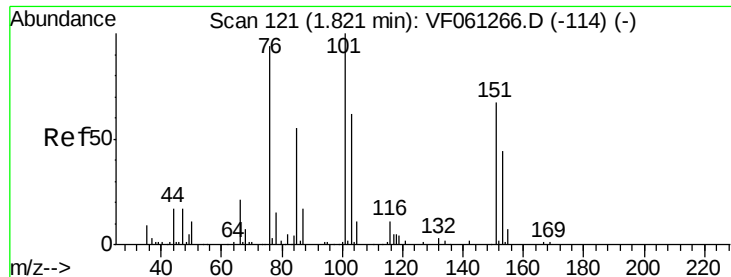


#8

Diethyl Ether
 Concen: 50.619 ug/l
 RT: 1.61 min Scan# 100
 Delta R.T. -0.02 min
 Lab File: VF061272.D
 Acq: 7 Jan 2019 11:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		37799		
45	133.9	69.0	207.0		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.205 ug/l

RT: 1.80 min Scan# 119

Delta R.T. -0.02 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

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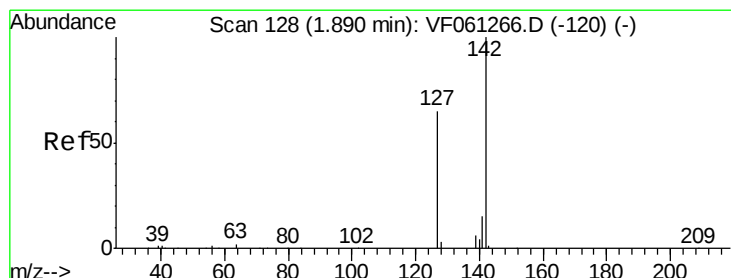
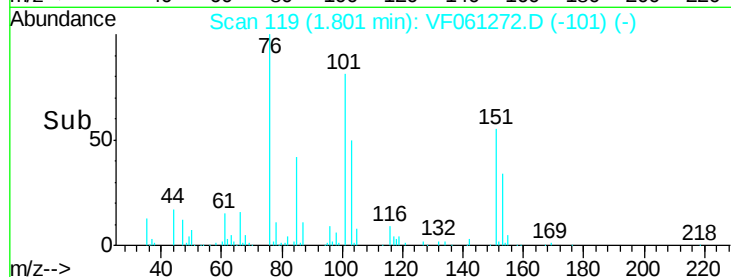
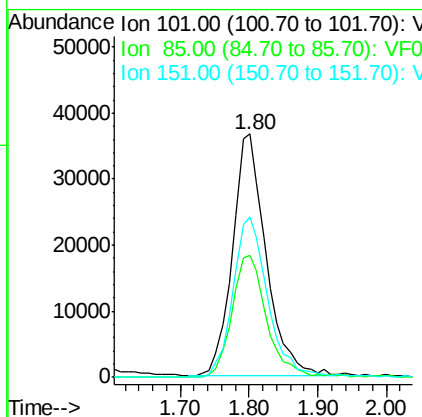
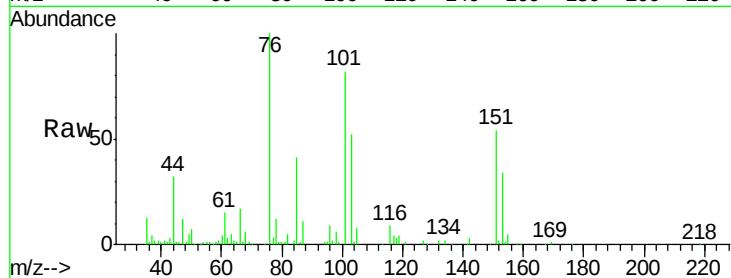
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	123444
Ion Ratio	Lower	Upper	
101	100		
85	50.3	42.9	64.3
151	65.9	52.4	78.6

Manual Integrations
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#10

Methyl Iodide

Concen: 47.727 ug/l m

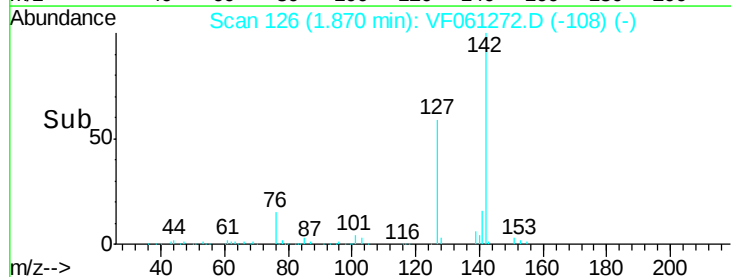
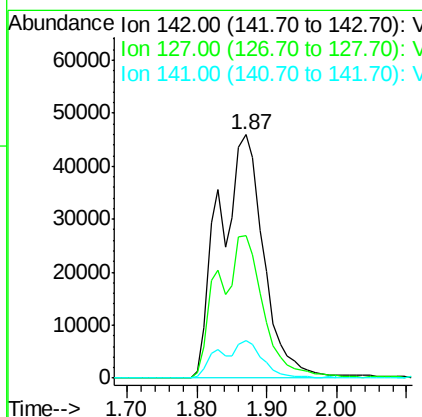
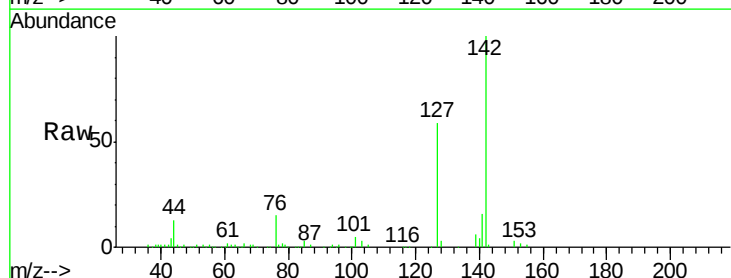
RT: 1.87 min Scan# 126

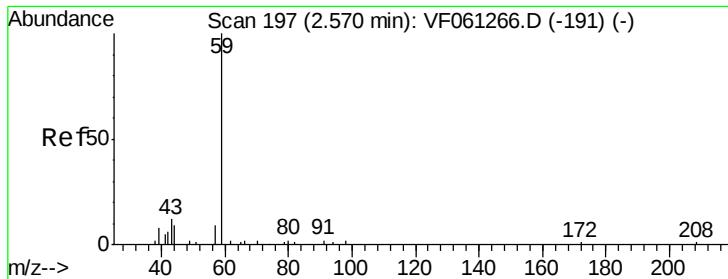
Delta R.T. -0.02 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Tgt Ion:	142	Resp:	201656
Ion Ratio	Lower	Upper	
142	100		
127	58.5	52.3	78.5
141	15.7	12.2	18.4





#11

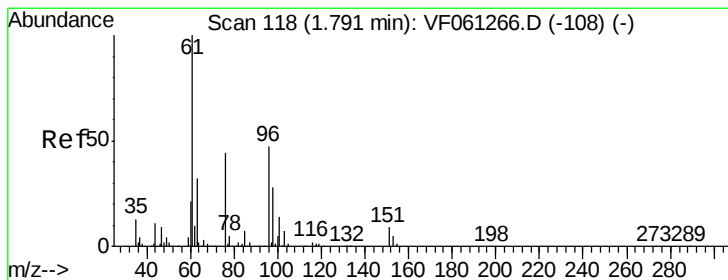
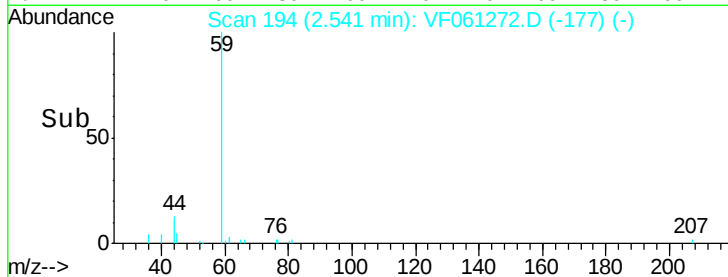
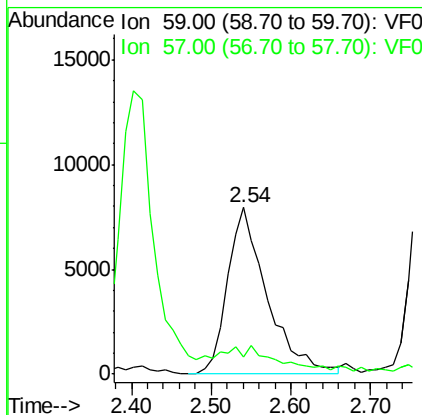
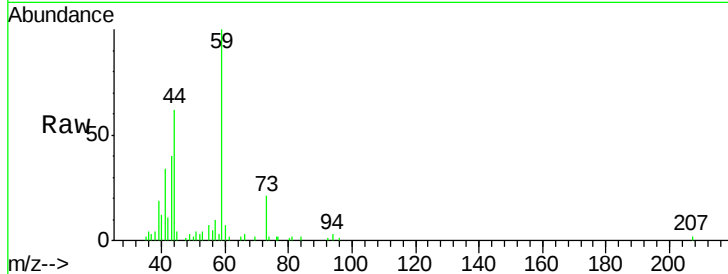
Tert butyl alcohol
Concen: 226.175 ug/l
RT: 2.54 min Scan# 194
Delta R.T. -0.03 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	10.1	Resp	27657	Lower	12.6	Upper	18.8#
Ion	59	57	Ratio	100	10.1	Resp	27657	Lower	12.6	Upper	18.8#

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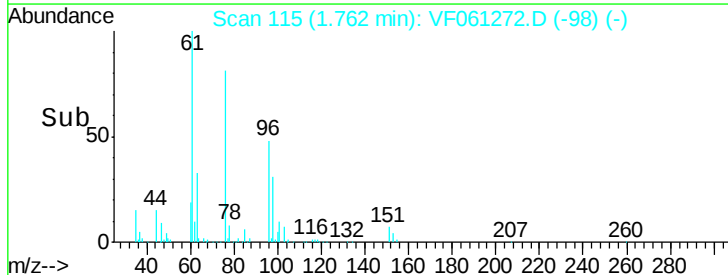
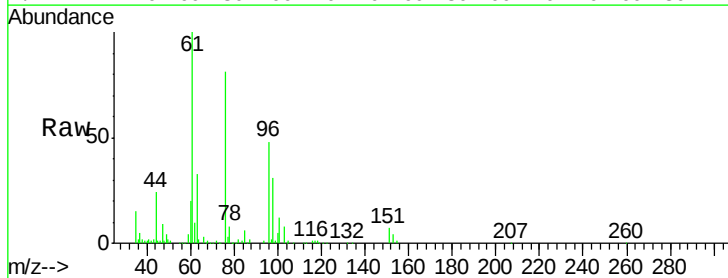
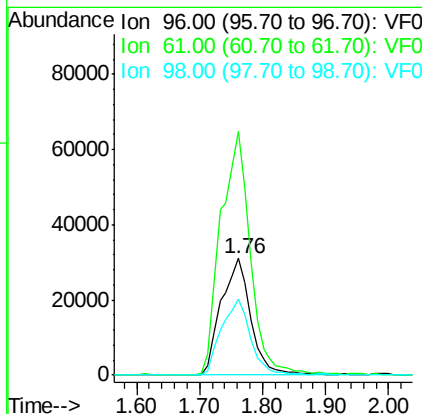
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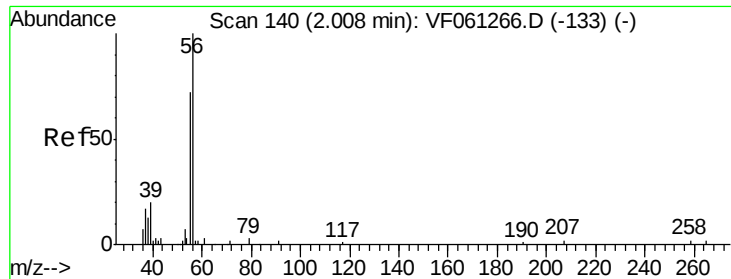


#12

1,1-Dichloroethene
Concen: 46.316 ug/l
RT: 1.76 min Scan# 115
Delta R.T. -0.03 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

Tgt Ion	96	61	98	Ratio	100	209.0	65.2	Resp	101813	Lower	171.6	48.6	Upper	257.4	72.8
Ion	96	61	98	Ratio	100	209.0	65.2	Resp	101813	Lower	171.6	48.6	Upper	257.4	72.8





#13

Acrolein

Concen: 246.174 ug/l

RT: 1.98 min Scan# 137

Delta R.T. -0.03 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 24563

Ion Ratio Lower Upper

56 100

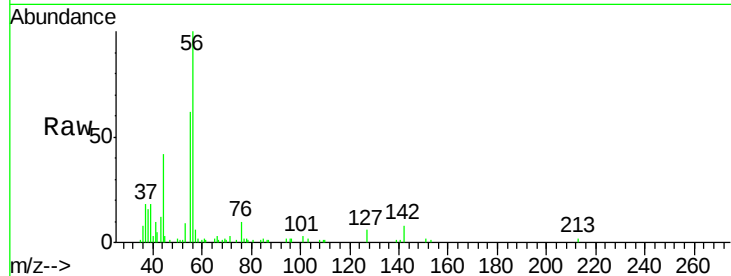
55 61.8 59.7 89.5

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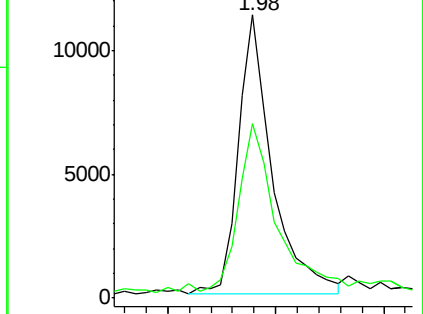
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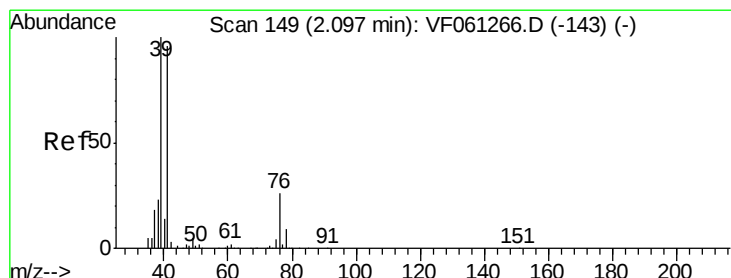
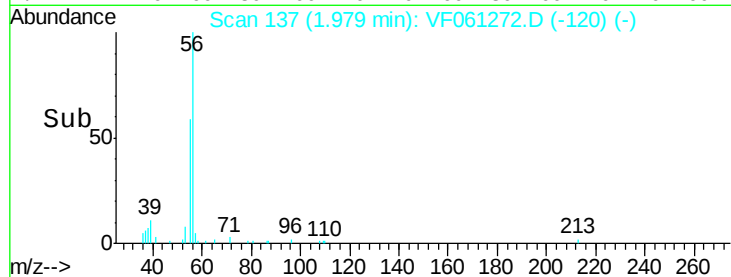


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



Time-->



#14

Allyl chloride

Concen: 57.254 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.02 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

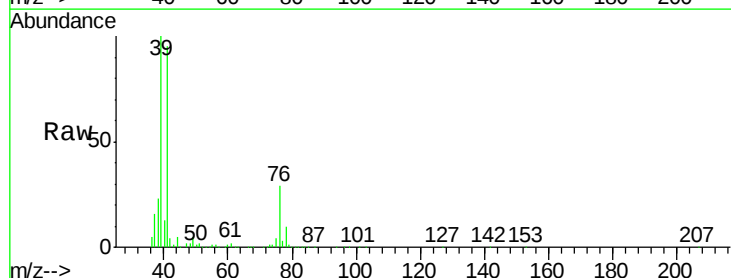
Tgt Ion: 41 Resp: 173994

Ion Ratio Lower Upper

41 100

39 105.0 83.4 125.2

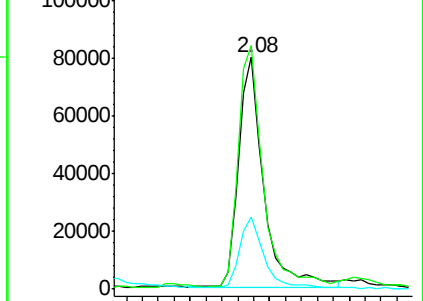
76 30.9 23.9 35.9



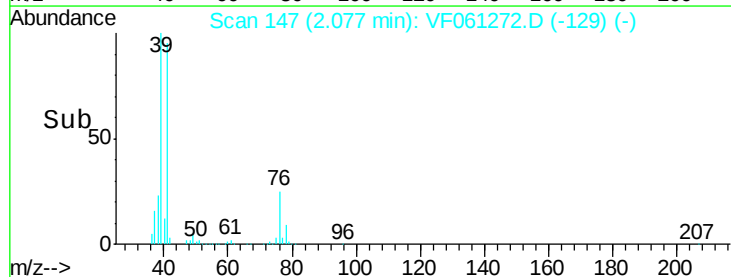
Abundance Ion 41.00 (40.70 to 41.70): VF0

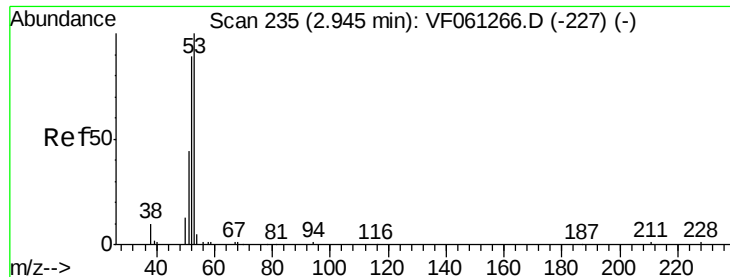
Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0



Time-->





#15

Acrylonitrile

Concen: 222.167 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.03 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

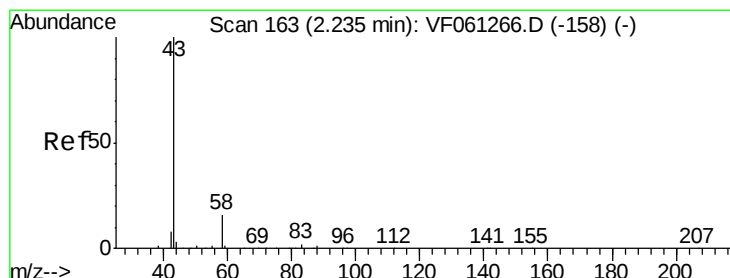
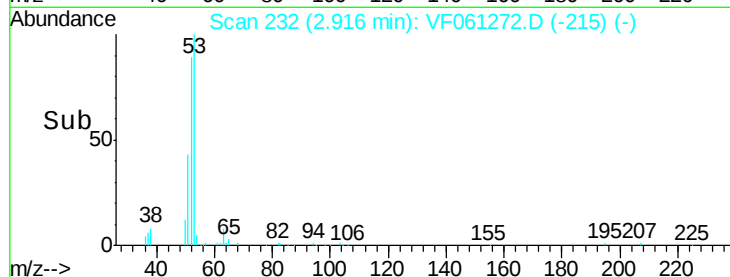
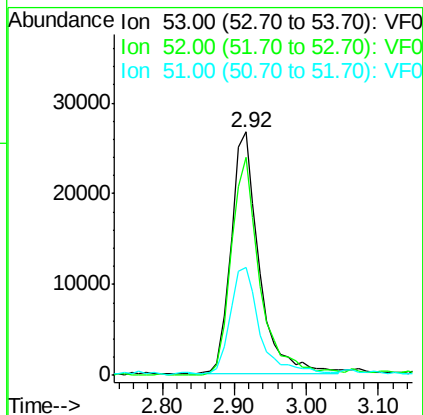
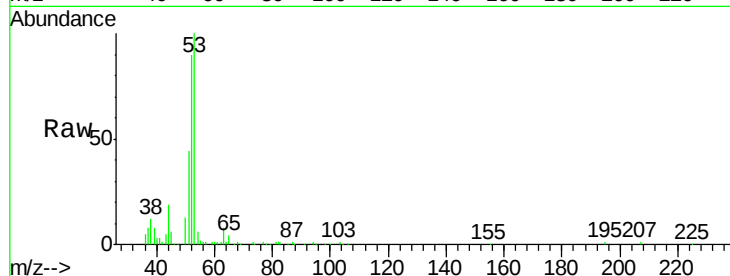
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	72629
Ion	Ratio	Lower	Upper
53	100		
52	89.8	71.3	106.9
51	44.5	36.2	54.4

Manual Integrations
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#16

Acetone

Concen: 325.155 ug/l

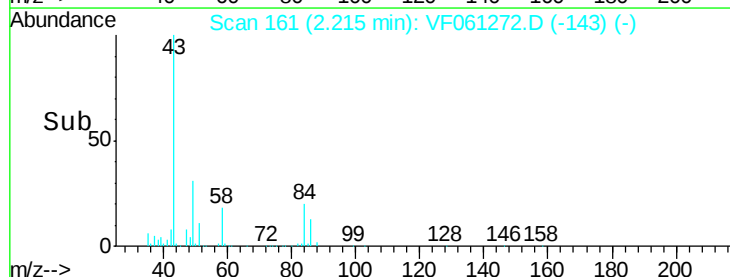
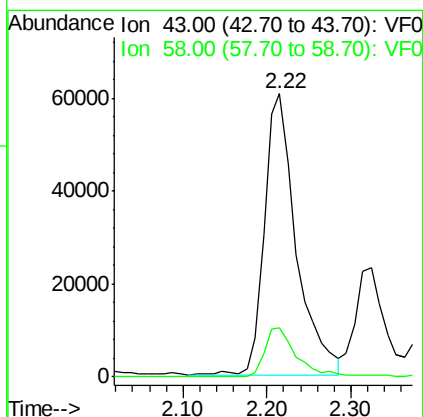
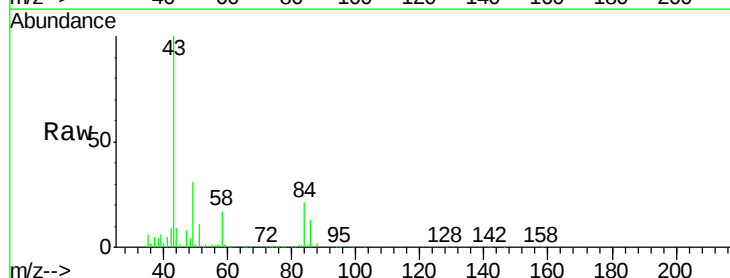
RT: 2.22 min Scan# 161

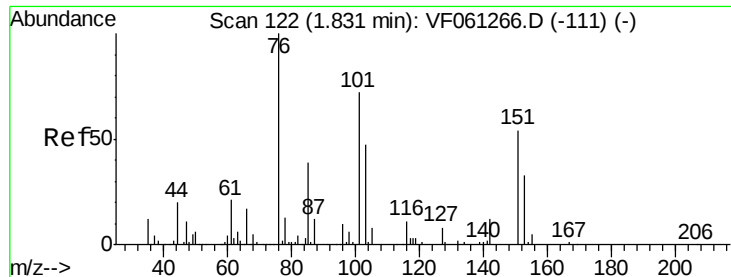
Delta R.T. -0.02 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Tgt Ion:	43	Resp:	160890
Ion	Ratio	Lower	Upper
43	100		
58	17.3	13.0	19.4





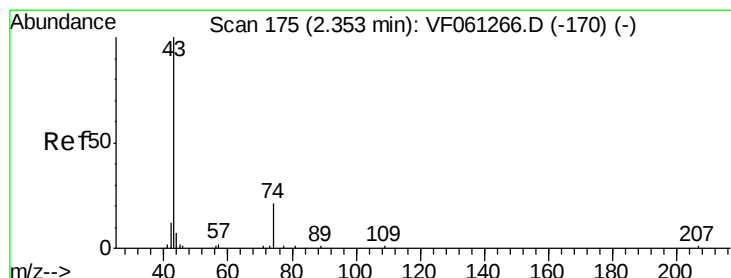
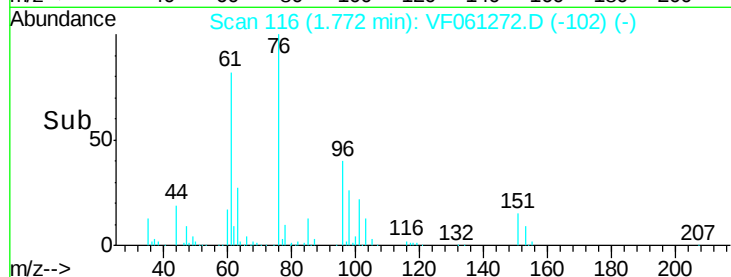
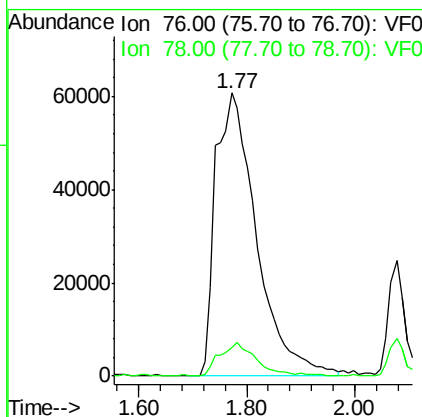
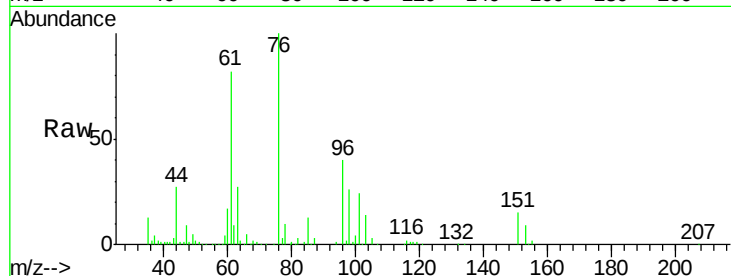
#17
Carbon Disulfide
Concen: 47.969 ug/l
RT: 1.77 min Scan# 116
Delta R.T. -0.06 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 321090
Ion Ratio Lower Upper
76 100
78 10.2 10.2 15.4#

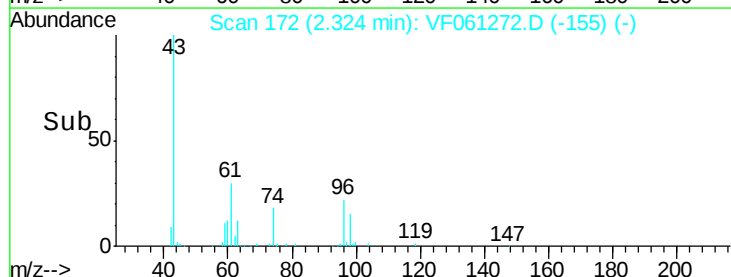
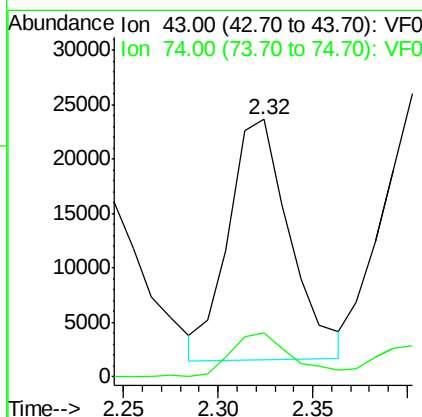
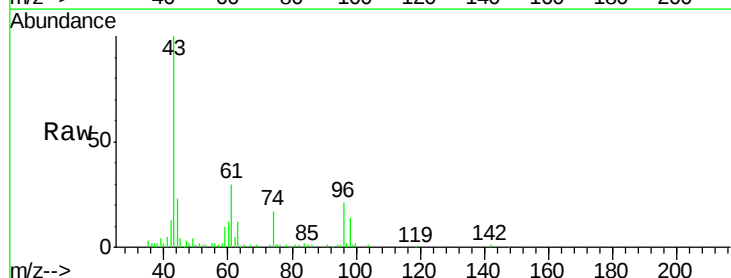
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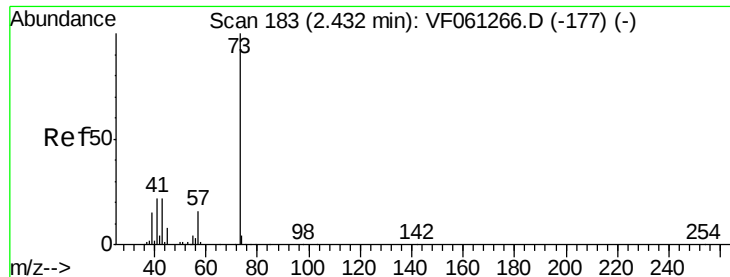
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#18
Methyl Acetate
Concen: 44.301 ug/l
RT: 2.32 min Scan# 172
Delta R.T. -0.03 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

Tgt Ion: 43 Resp: 49929
Ion Ratio Lower Upper
43 100
74 17.0 14.4 21.6





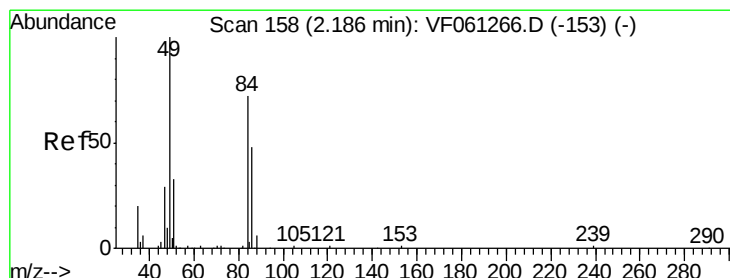
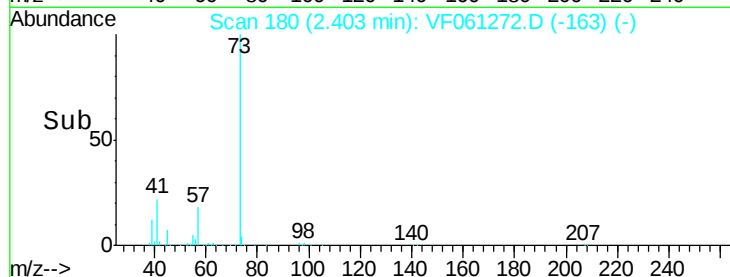
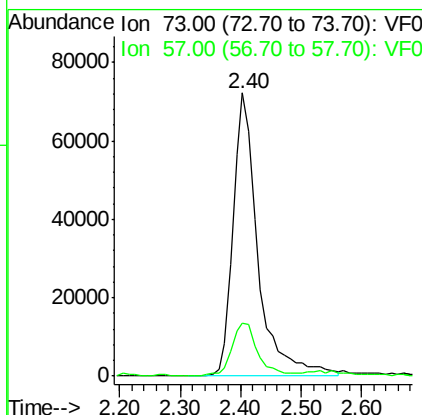
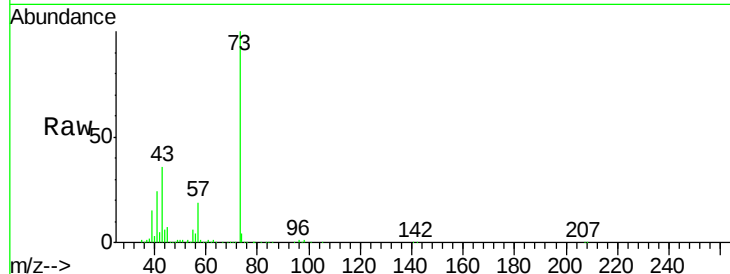
#19
Methvl tert-butvl Ether
Concen: 45.132 ug/l
RT: 2.40 min Scan# 180
Delta R.T. -0.03 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 206797
Ion Ratio Lower Upper
73 100
57 18.7 14.0 21.0

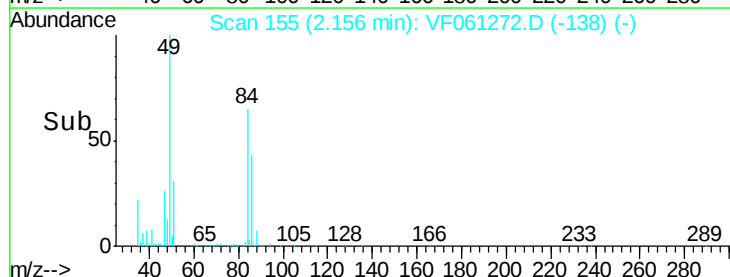
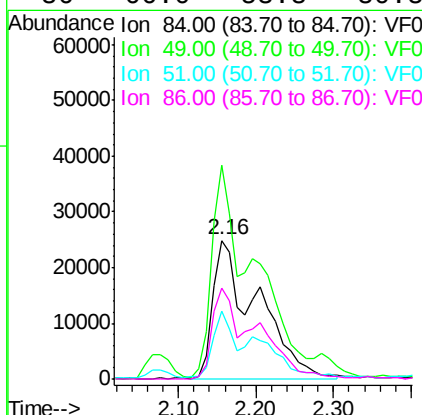
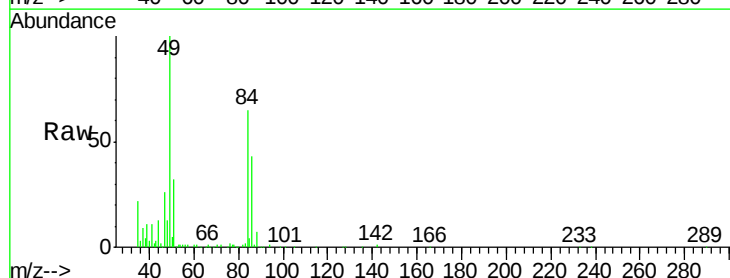
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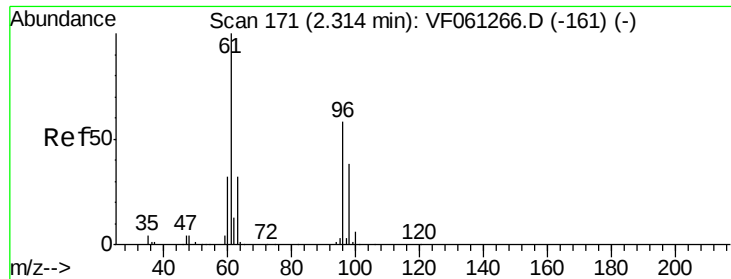
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#20
Methylene Chloride
Concen: 44.202 ug/l m
RT: 2.16 min Scan# 155
Delta R.T. -0.03 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

Tgt Ion: 84 Resp: 98999
Ion Ratio Lower Upper
84 100
49 154.3 112.9 169.3
51 48.7 37.9 56.9
86 66.0 53.8 80.8





#21

trans-1,2-Dichloroethene

Concen: 42.513 ug/l

RT: 2.28 min Scan# 168

Delta R.T. -0.03 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

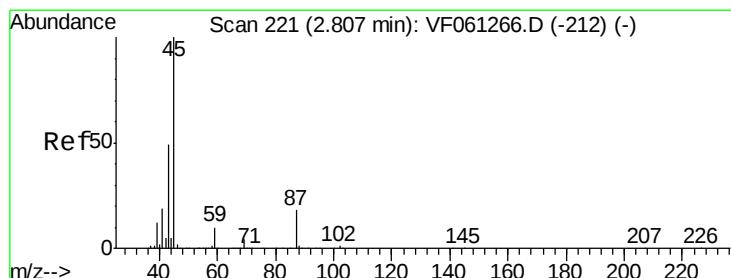
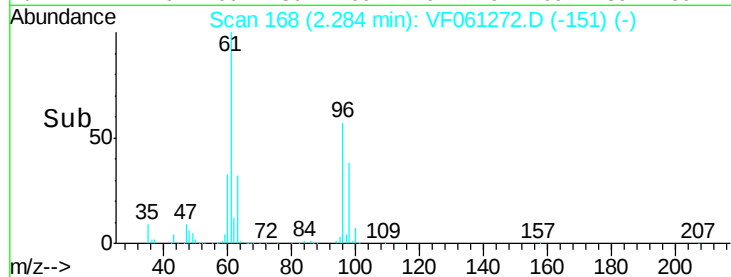
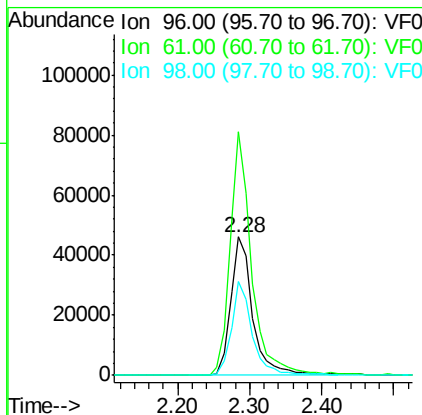
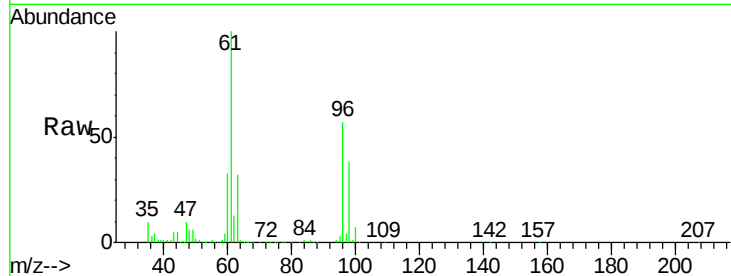
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	98290
Ion	Ratio	Lower	Upper
96	100		
61	176.0	139.3	208.9
98	67.6	52.6	78.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 45.896 ug/l

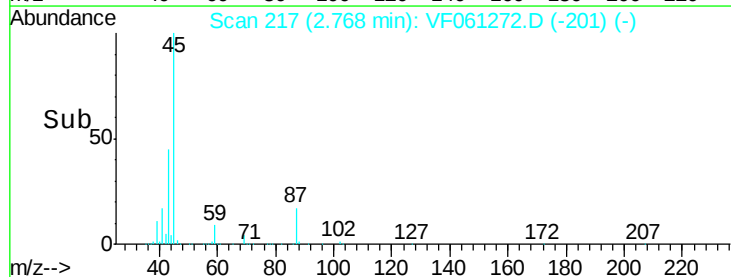
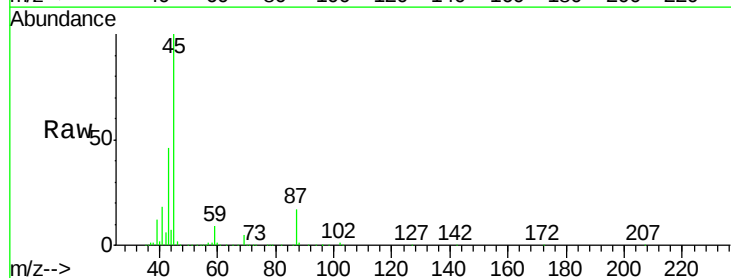
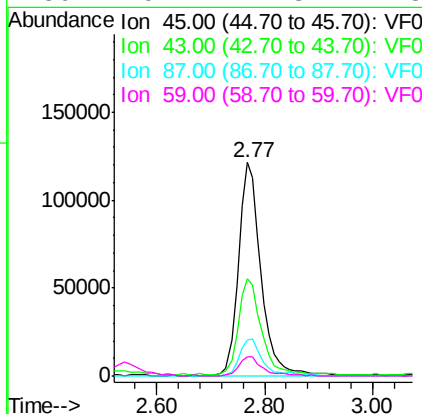
RT: 2.77 min Scan# 217

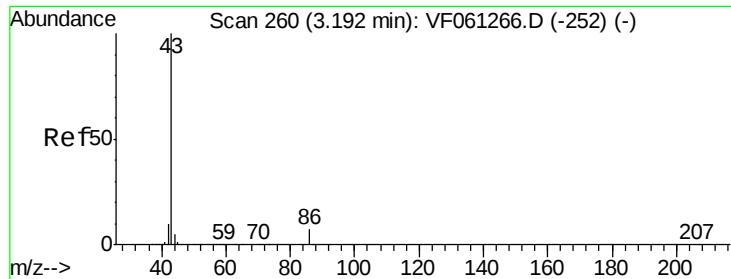
Delta R.T. -0.04 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Tgt Ion:	45	Resp:	350713
Ion	Ratio	Lower	Upper
45	100		
43	45.6	39.5	59.3
87	16.9	14.8	22.2
59	9.2	7.8	11.8





#23

Vinyl Acetate

Concen: 200.347 ug/l

RT: 3.15 min Scan# 256

Delta R.T. -0.04 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 701122

Ion Ratio Lower Upper

43 100

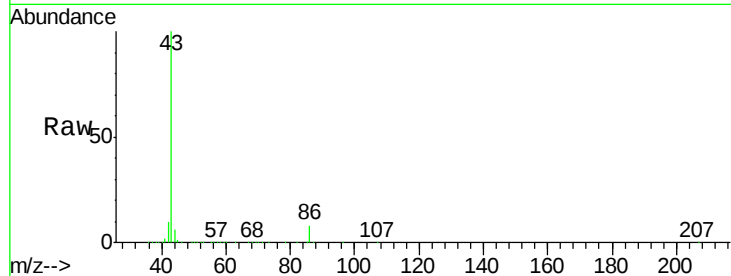
86 7.7 6.0 9.0

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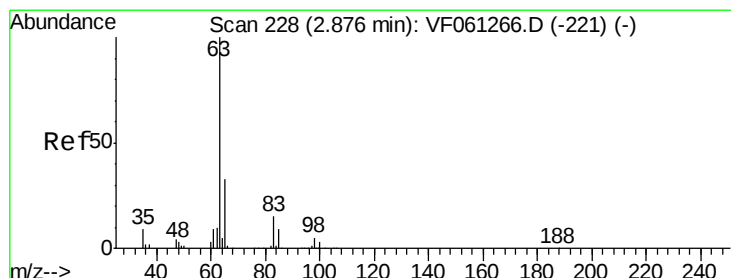
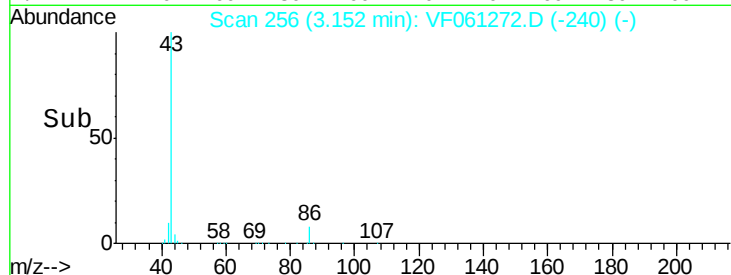
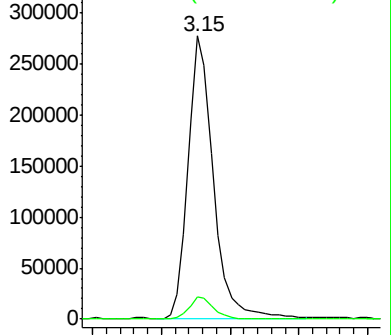
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 45.911 ug/l

RT: 2.85 min Scan# 225

Delta R.T. -0.03 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

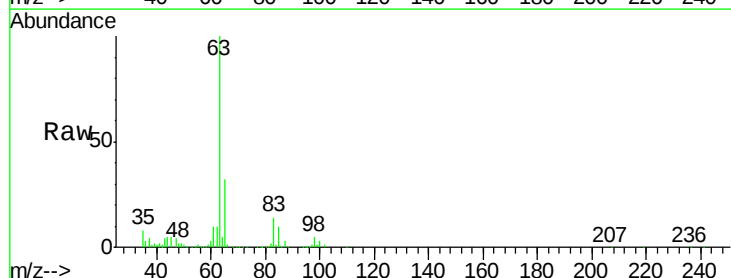
Tgt Ion: 63 Resp: 205692

Ion Ratio Lower Upper

63 100

98 5.2 2.5 7.5

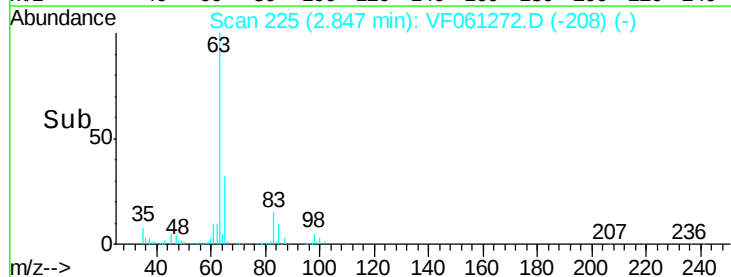
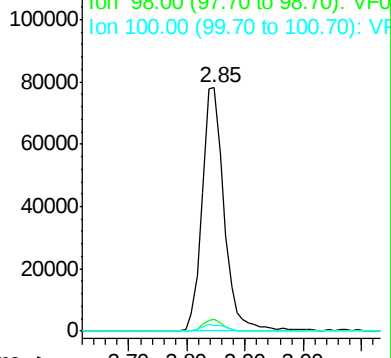
100 2.5 1.6 4.8

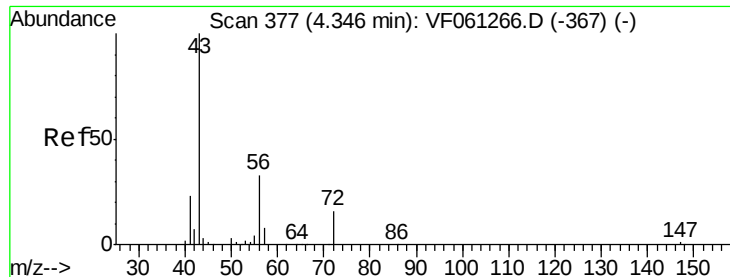


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 255.401 ug/l

RT: 4.30 min Scan# 372

Delta R.T. -0.05 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 246105

Ion Ratio Lower Upper

43 100

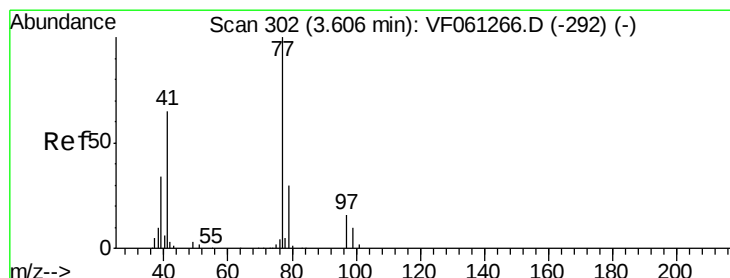
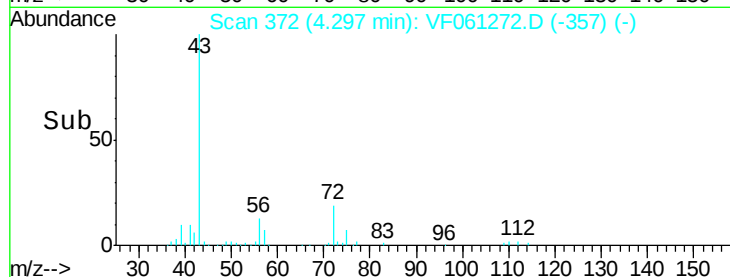
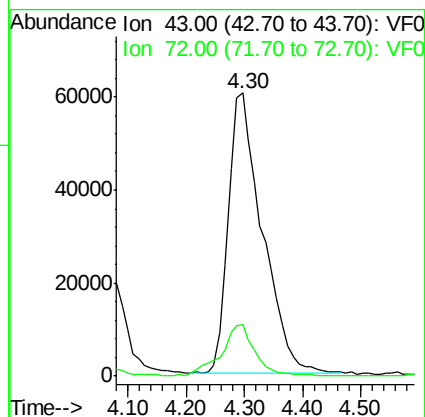
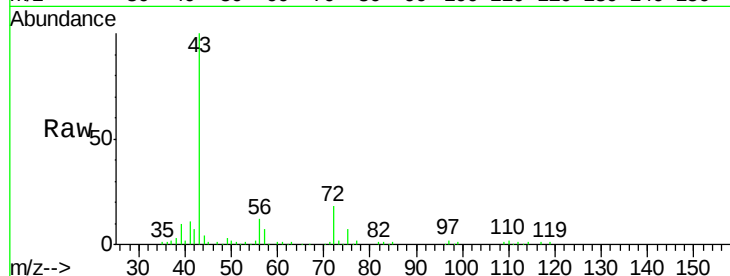
72 18.5 13.0 19.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.214 ug/l

RT: 3.56 min Scan# 297

Delta R.T. -0.05 min

Lab File: VF061272.D

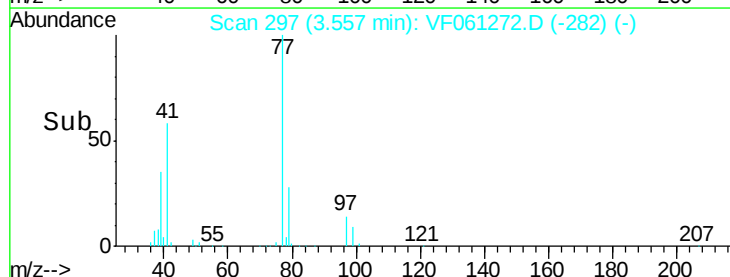
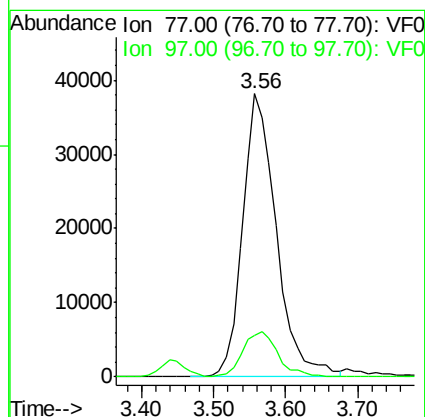
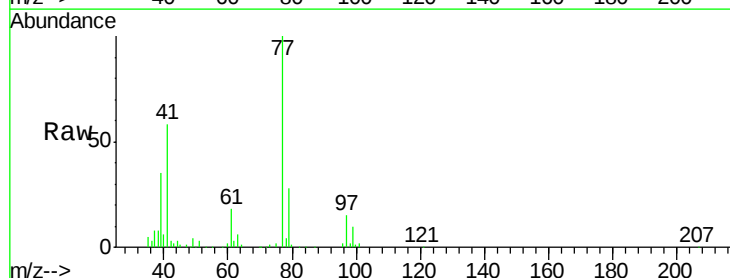
Acq: 7 Jan 2019 11:31

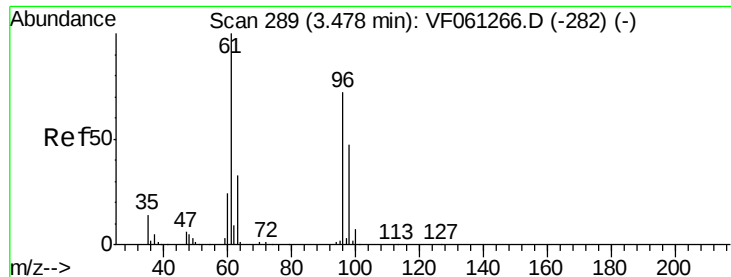
Tgt Ion: 77 Resp: 124392

Ion Ratio Lower Upper

77 100

97 14.8 8.9 26.7





#27

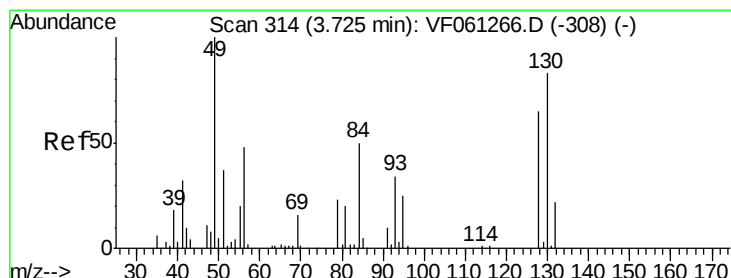
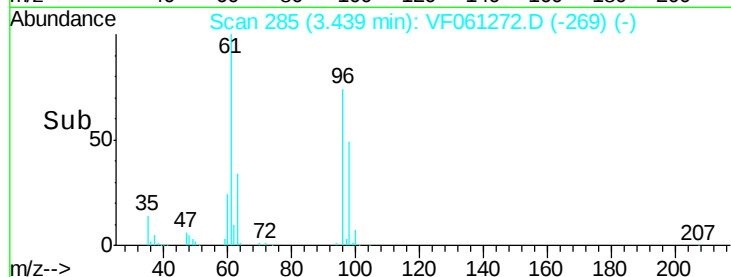
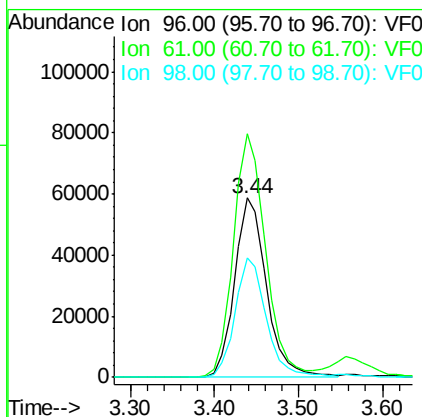
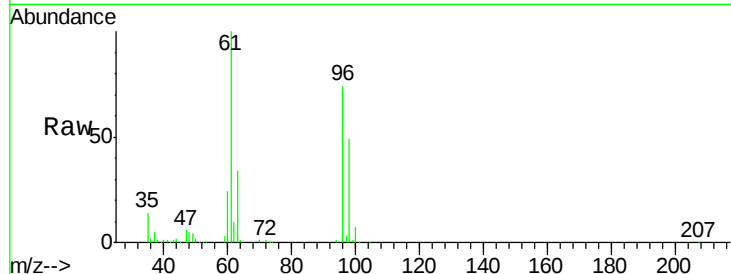
cis-1,2-Dichloroethene
Concen: 45.808 ug/l
RT: 3.44 min Scan# 285
Delta R.T. -0.04 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	155628		
61	135.6	0.0	277.8	
98	66.4	0.0	130.8	

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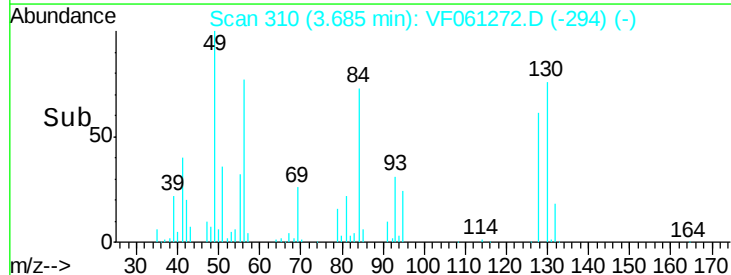
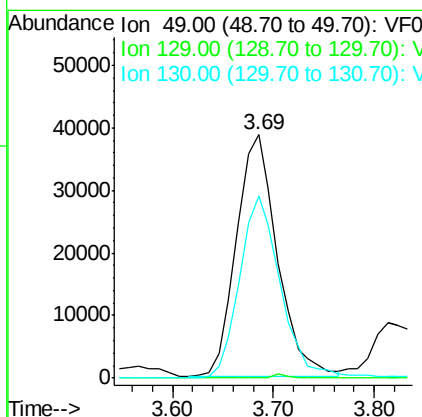
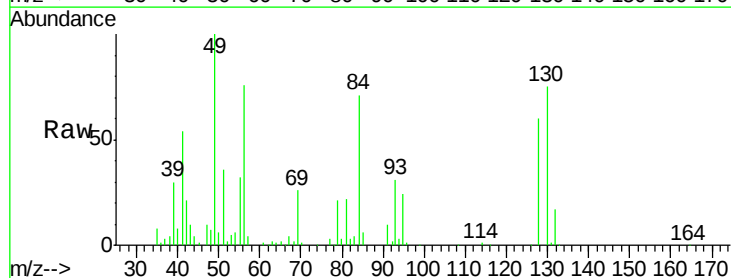
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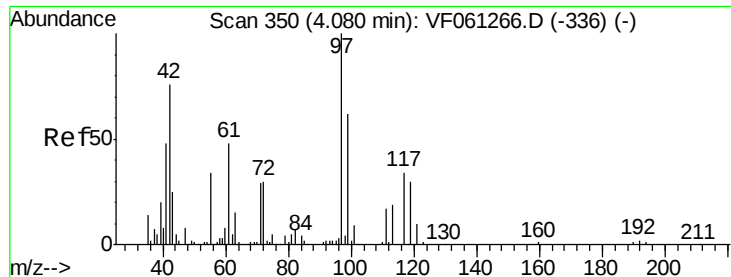


#28

Bromochloromethane
Concen: 51.704 ug/l
RT: 3.69 min Scan# 310
Delta R.T. -0.04 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	109659		
129	0.0	0.0	5.4	
130	74.9	65.7	98.5	





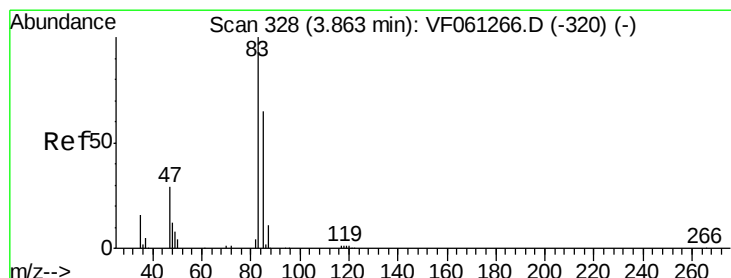
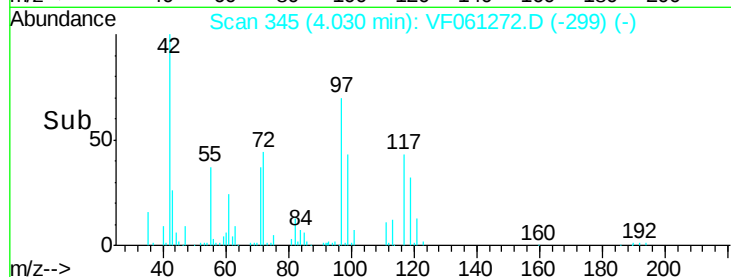
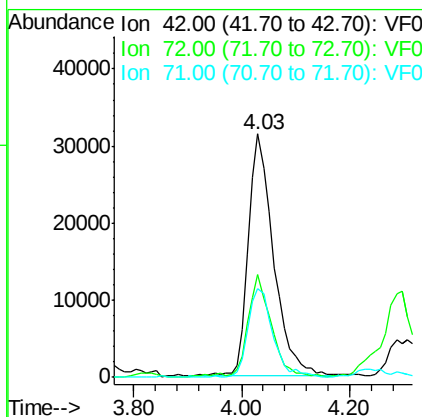
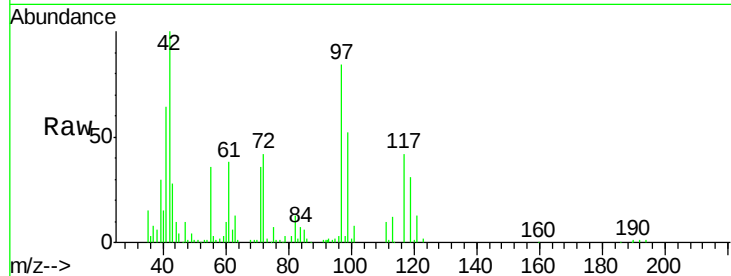
#29
Tetrahydrofuran
Concen: 260.995 ug/l
RT: 4.03 min Scan# 345
Delta R.T. -0.05 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	101211
Ion Ratio		Lower	Upper
42	100		
72	39.2	29.2	43.8
71	36.7	29.1	43.7

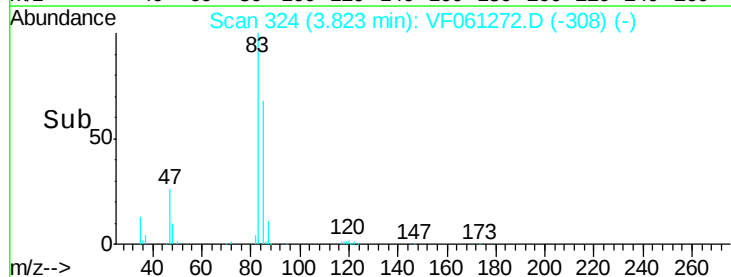
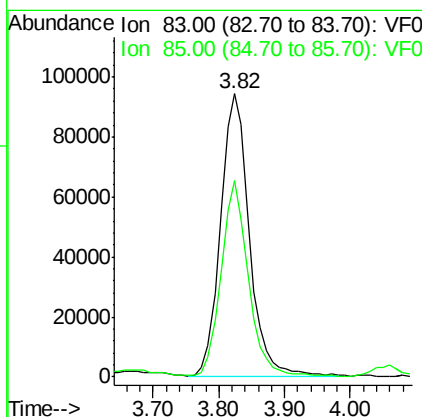
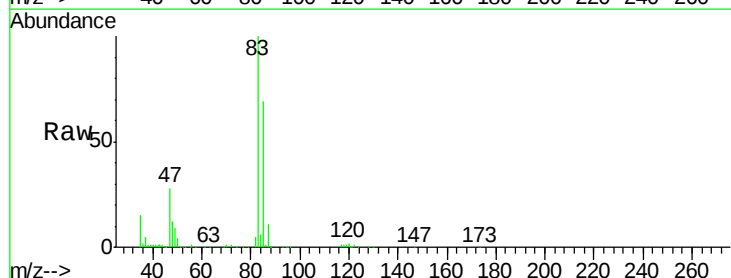
Manual Integrations
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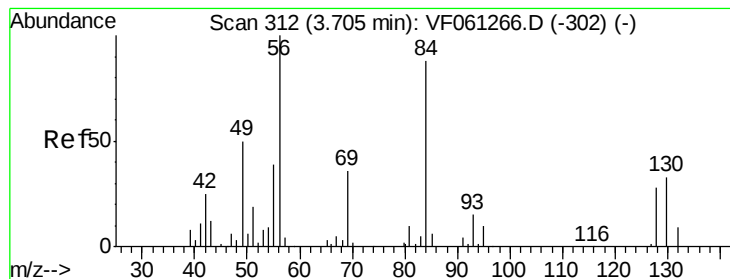
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#30
Chloroform
Concen: 45.550 ug/l
RT: 3.82 min Scan# 324
Delta R.T. -0.04 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

Tgt Ion:	83	Resp:	285452
Ion Ratio		Lower	Upper
83	100		
85	69.2	52.2	78.4





#31

Cyclohexane

Concen: 45.896 ug/l

RT: 3.66 min Scan# 307

Delta R.T. -0.05 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 217942

Ion Ratio Lower Upper

56 100

69 31.7 28.7 43.1

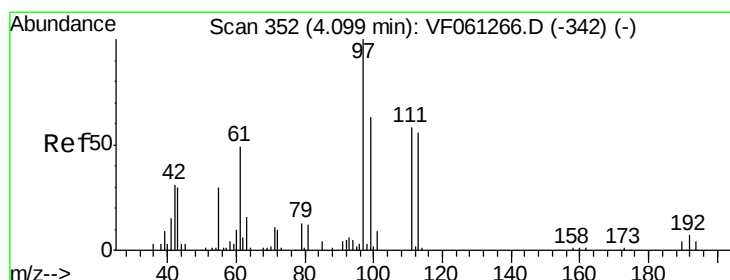
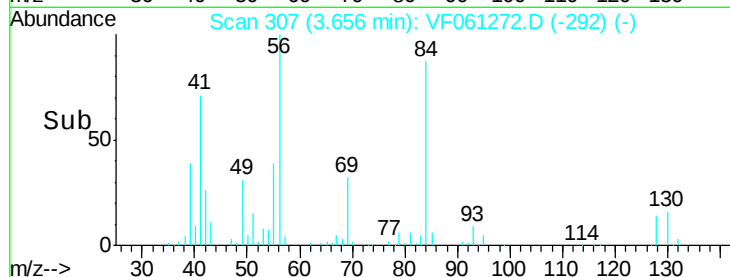
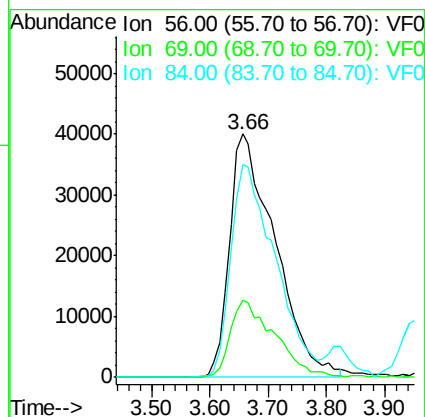
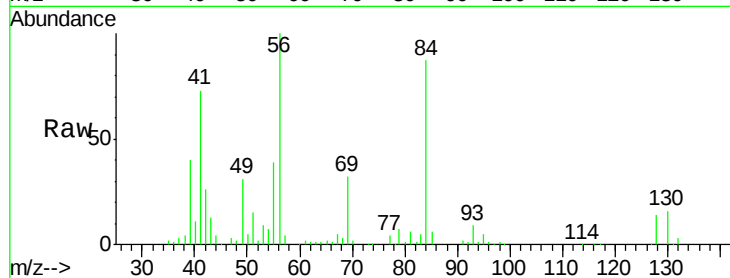
84 87.2 70.6 106.0

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 53.836 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.04 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

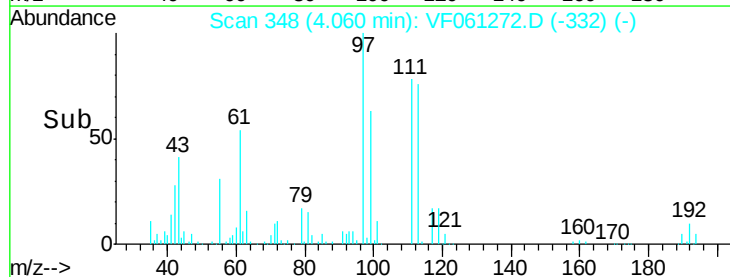
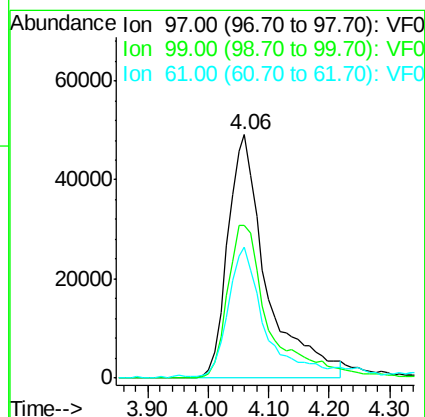
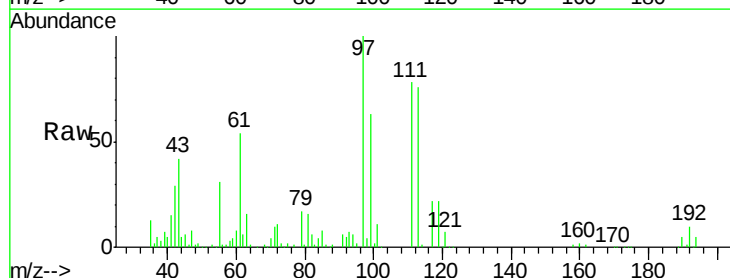
Tgt Ion: 97 Resp: 219140

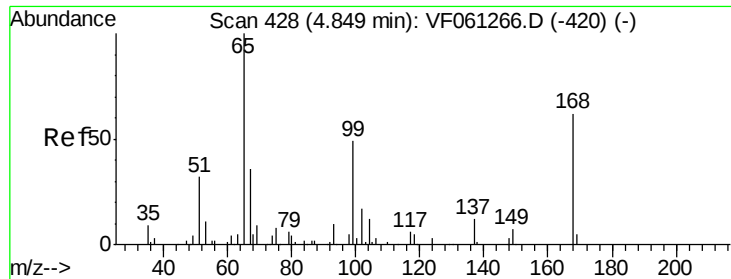
Ion Ratio Lower Upper

97 100

99 62.8 50.6 76.0

61 53.9 39.6 59.4





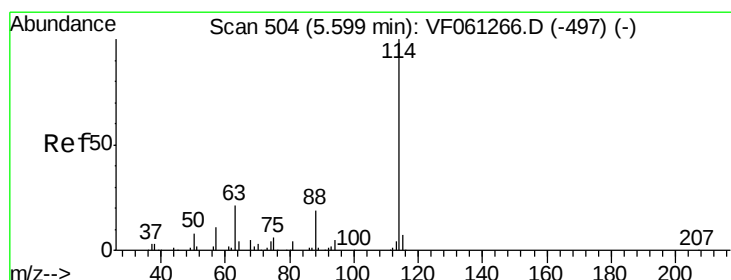
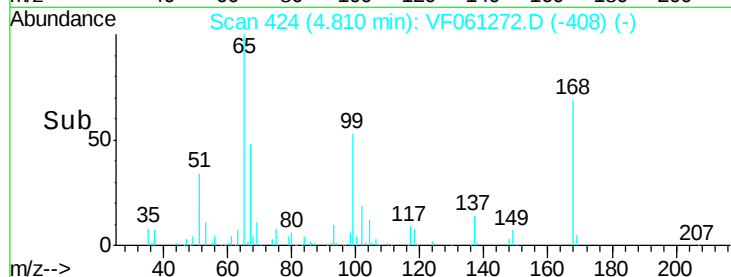
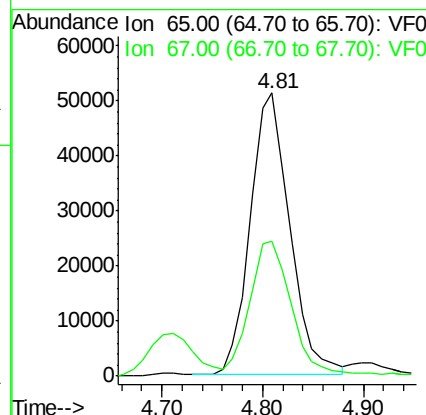
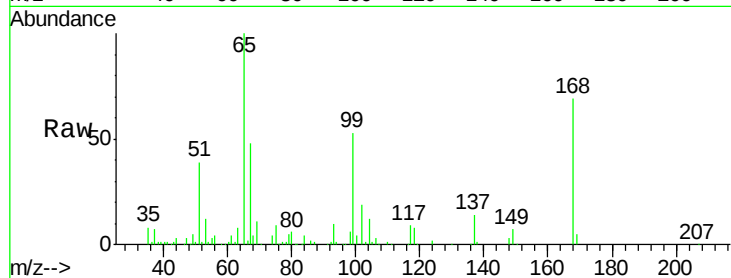
#33
 1,2-Dichloroethane-d4
 Concen: 48.373 ug/l
 RT: 4.81 min Scan# 424
 Delta R.T. -0.04 min
 Lab File: VF061272.D
 Acq: 7 Jan 2019 11:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	140181		
67	47.7	0.0	90.4	

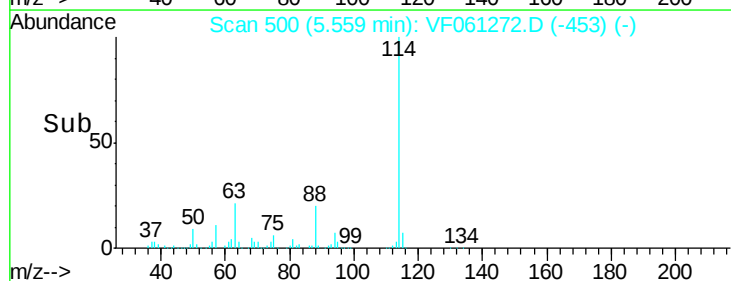
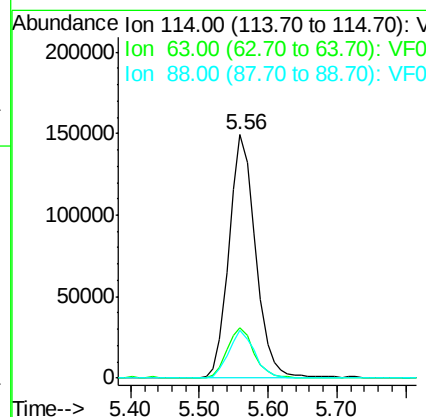
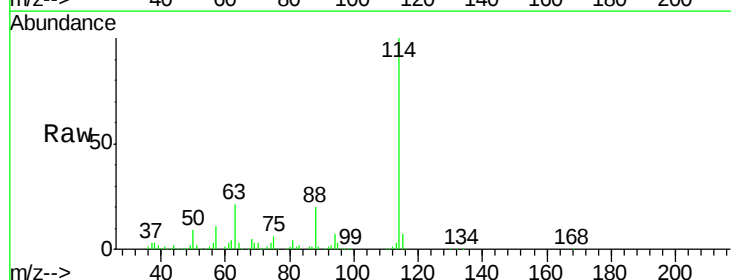
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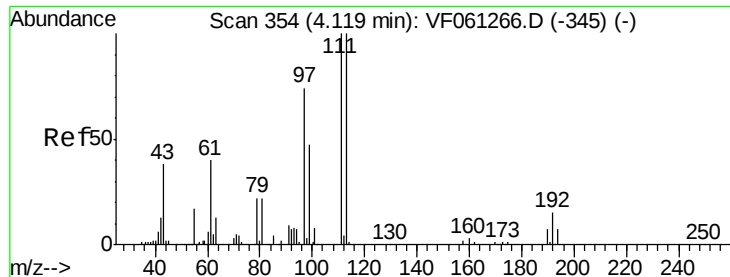
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.56 min Scan# 500
 Delta R.T. -0.04 min
 Lab File: VF061272.D
 Acq: 7 Jan 2019 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	400380		
63	20.5	0.0	41.8	
88	19.9	0.0	38.4	





#35

Dibromofluoromethane

Concen: 50.158 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.05 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 113 Resp: 154502

Ion Ratio Lower Upper

113 100

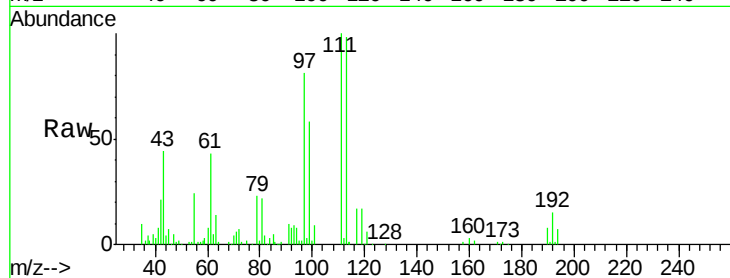
111 102.0 79.8 119.6

192 16.0 11.9 17.9

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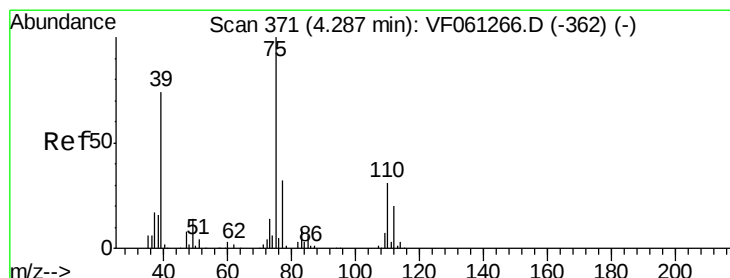
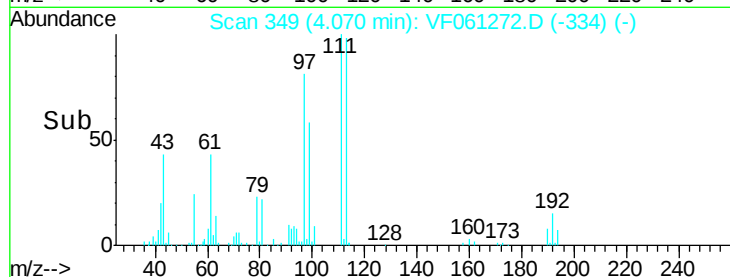
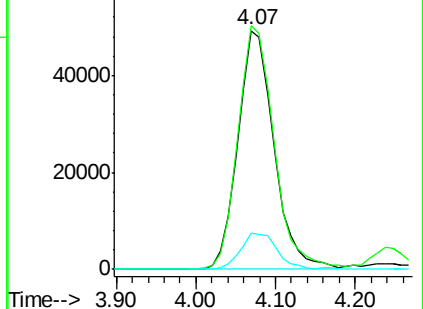
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Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 46.702 ug/l

RT: 4.25 min Scan# 367

Delta R.T. -0.04 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

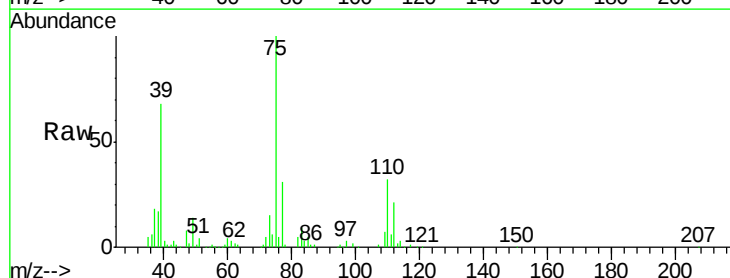
Tgt Ion: 75 Resp: 220220

Ion Ratio Lower Upper

75 100

110 31.7 15.4 46.4

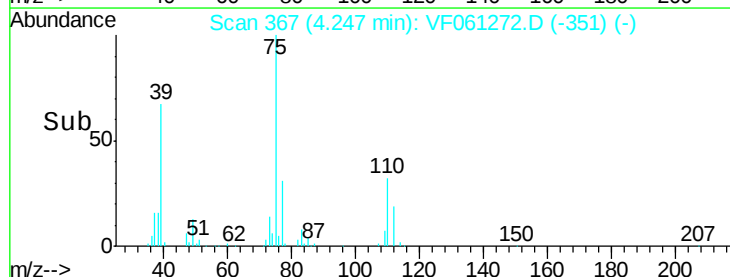
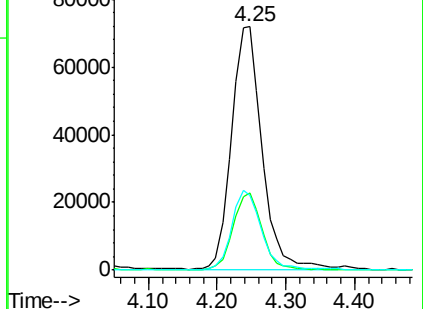
77 30.9 25.6 38.4

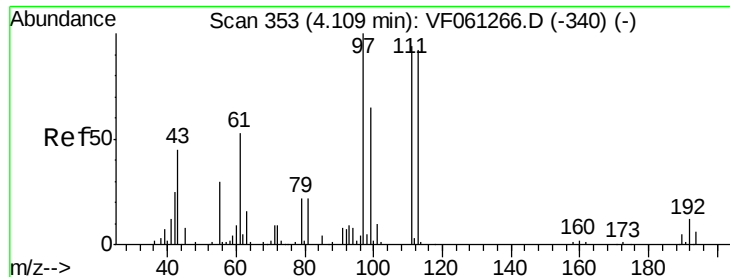


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 47.167 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.04 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

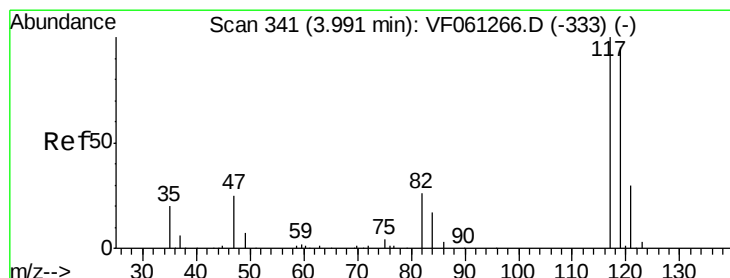
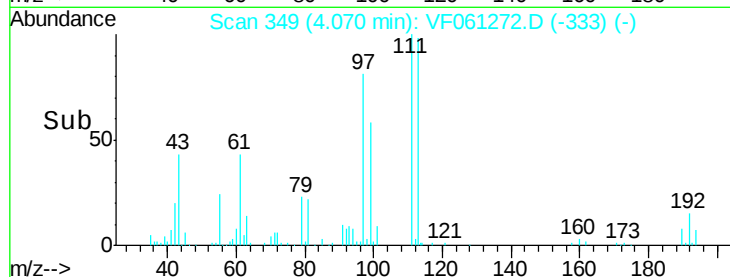
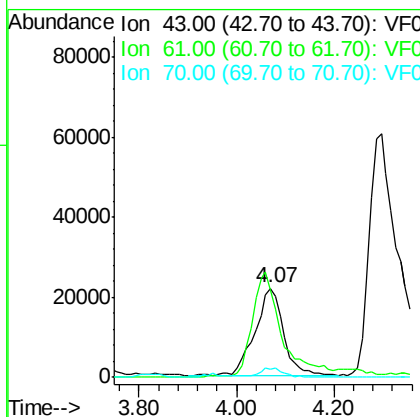
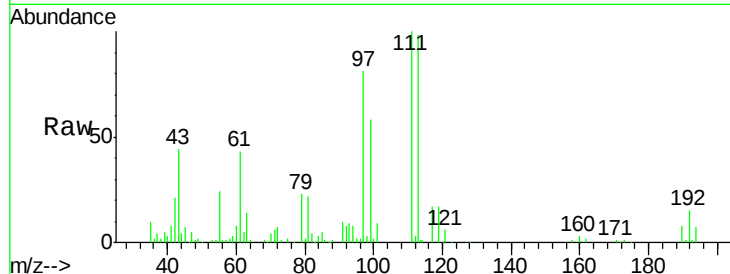
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	88804
Ion	Ratio	Lower	Upper
43	100		
61	98.3	91.2	136.8
70	9.8	7.1	10.7

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 54.484 ug/l m

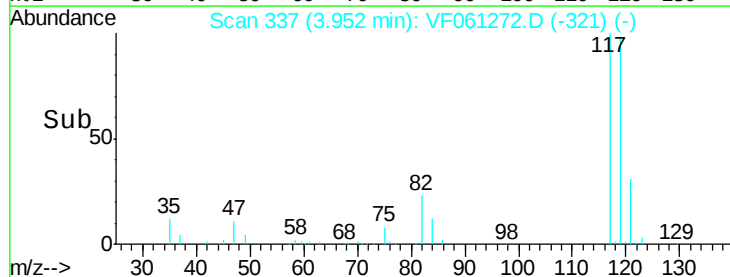
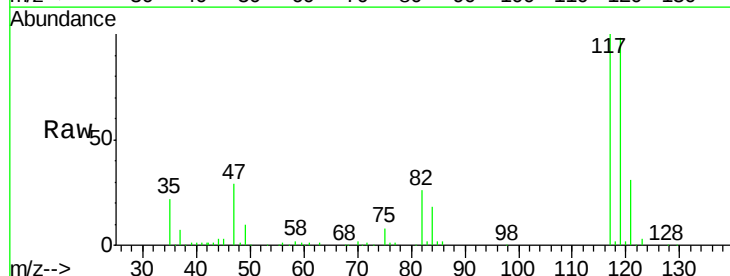
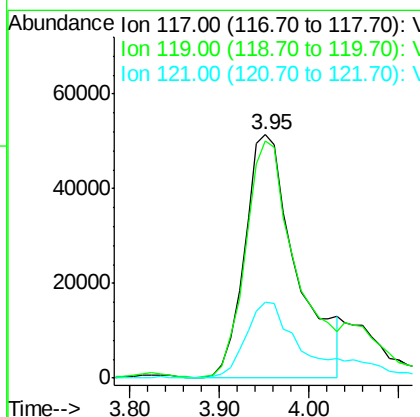
RT: 3.95 min Scan# 337

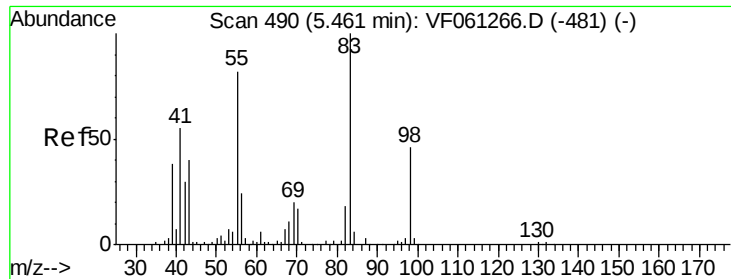
Delta R.T. -0.04 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Tgt Ion:	117	Resp:	205687
Ion	Ratio	Lower	Upper
117	100		
119	97.6	76.0	114.0
121	31.3	23.8	35.8





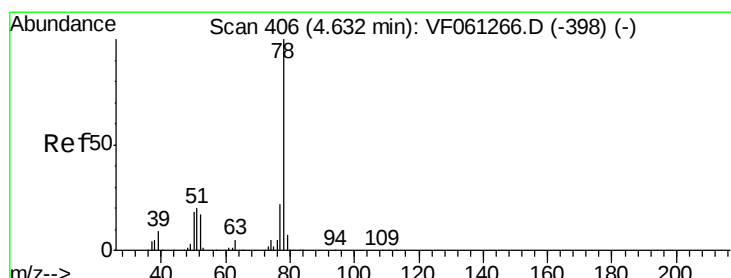
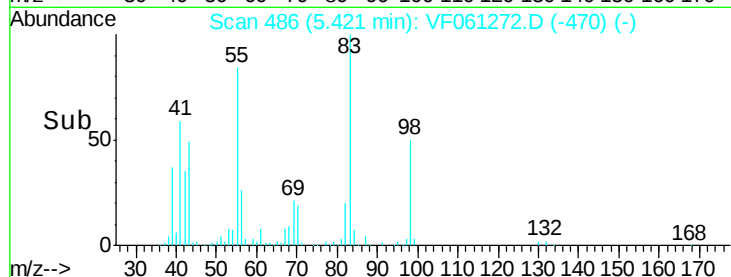
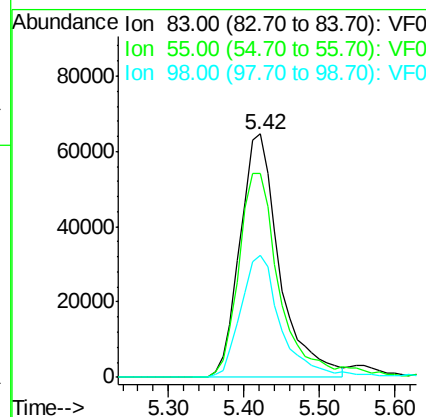
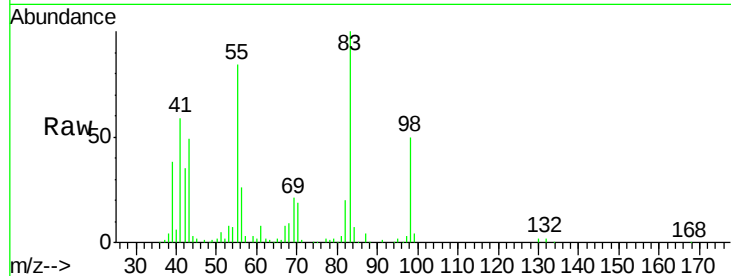
#39
Methvlcvclohexane
Concen: 46.667 ug/l
RT: 5.42 min Scan# 486
Delta R.T. -0.04 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	235229		
55	83.9	65.6	98.4	
98	50.0	36.7	55.1	

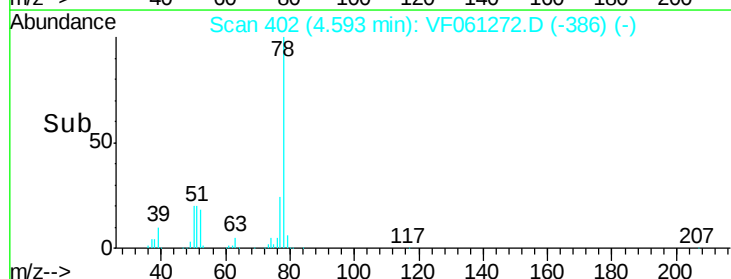
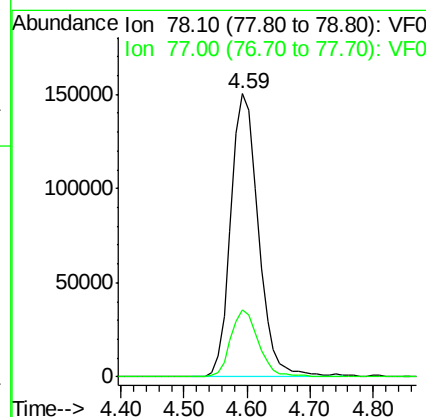
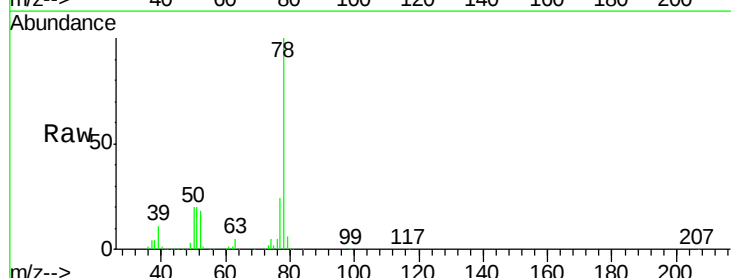
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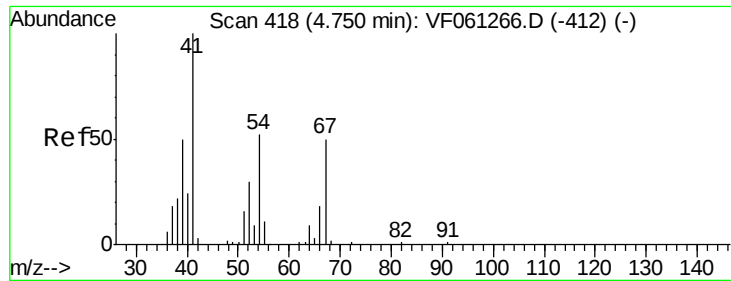
MMDadoda
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#40
Benzene
Concen: 42.778 ug/l
RT: 4.59 min Scan# 402
Delta R.T. -0.04 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	457796		
77	23.6	18.0	27.0	





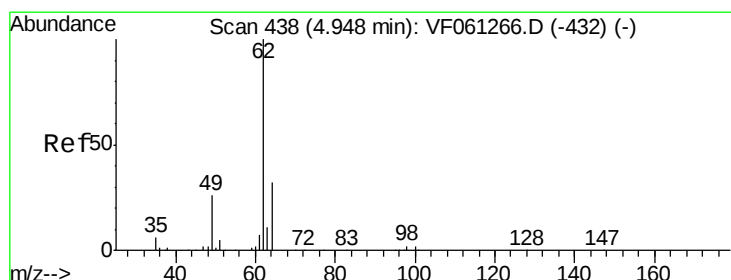
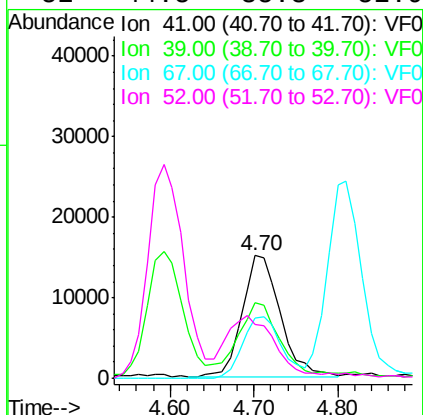
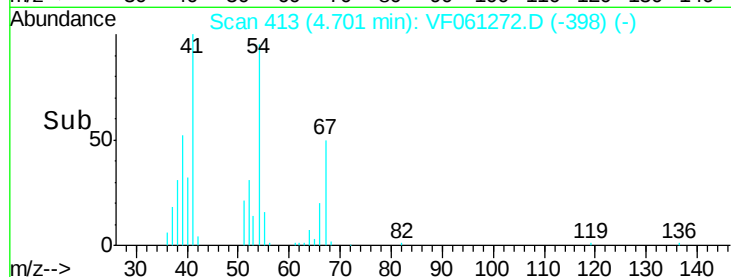
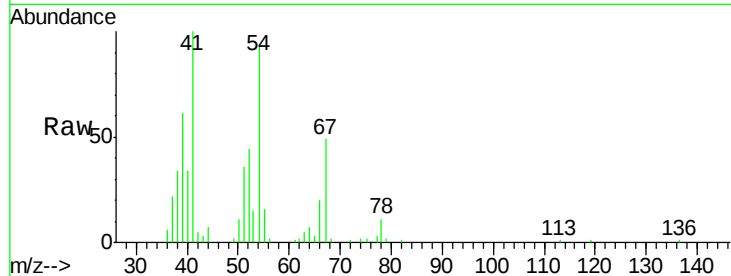
#41
Methacrylonitrile
Concen: 48.442 ug/l
RT: 4.70 min Scan# 413
Delta R.T. -0.05 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	61.4	44.6	66.8	
67	49.4	39.3	58.9	
52	44.5	35.3	52.9	

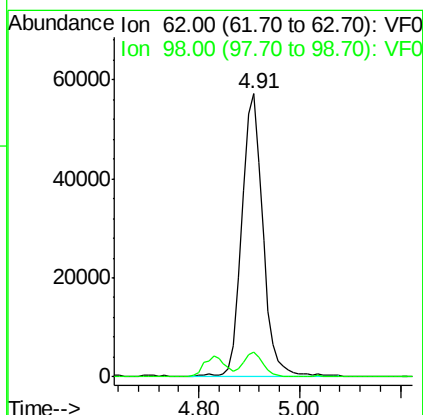
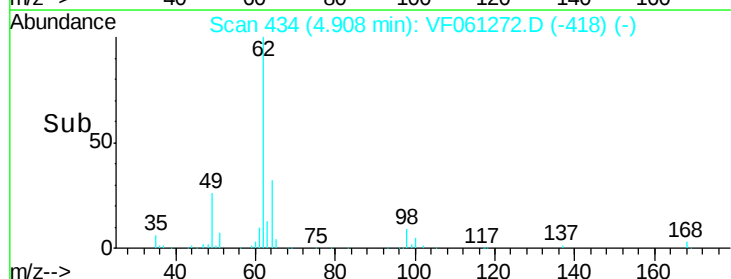
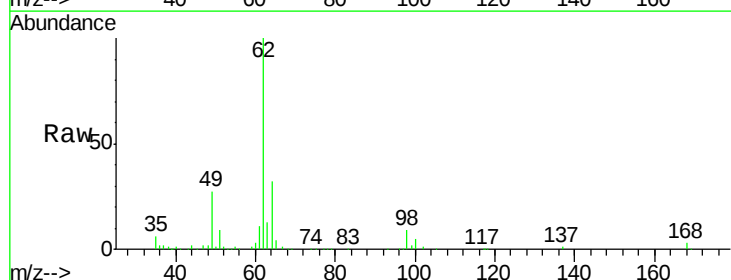
Manual Integrations
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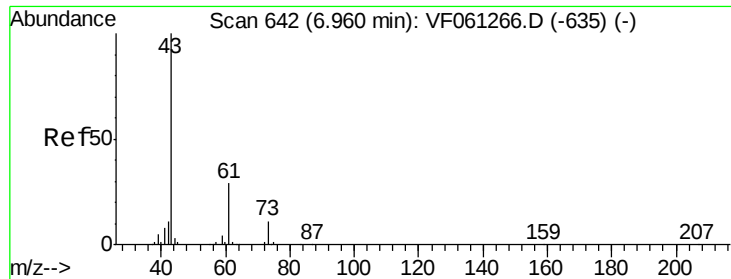
MMDadoda
1/8/2019 12:57:52 PM



#42
1,2-Dichloroethane
Concen: 46.493 ug/l
RT: 4.91 min Scan# 434
Delta R.T. -0.04 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	13.4	





#43

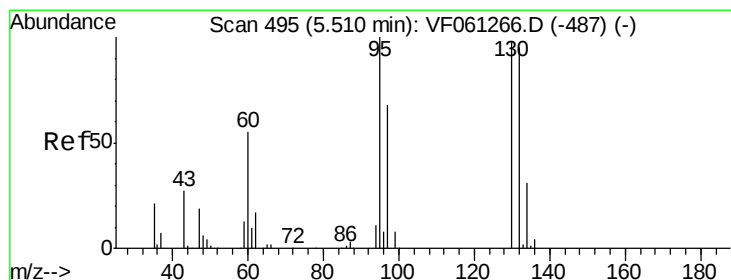
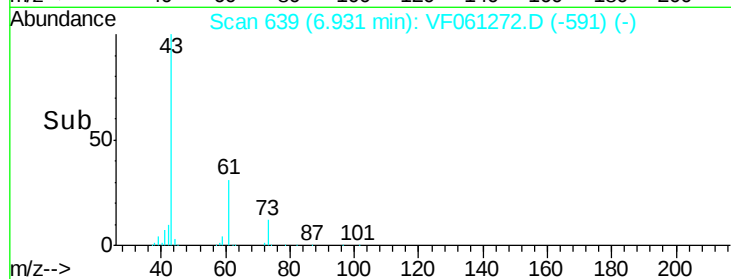
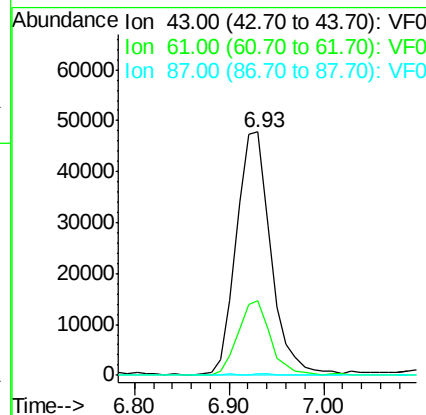
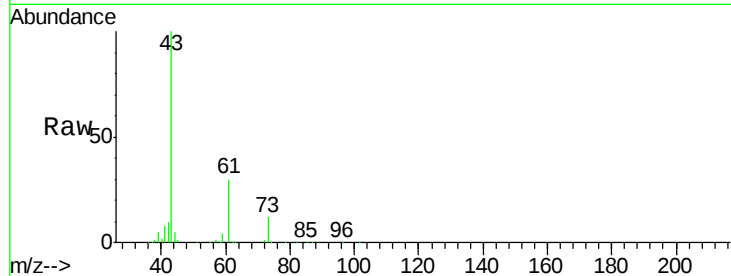
Isopropyl Acetate
 Concen: 47.652 ug/l
 RT: 6.93 min Scan# 639
 Delta R.T. -0.03 min
 Lab File: VF061272.D
 Acq: 7 Jan 2019 11:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:	43	Resp:	119710
Ion	Ratio	Lower	Upper
43	100		
61	30.5	23.4	35.2
87	0.5	0.3	0.5

Manual Integrations
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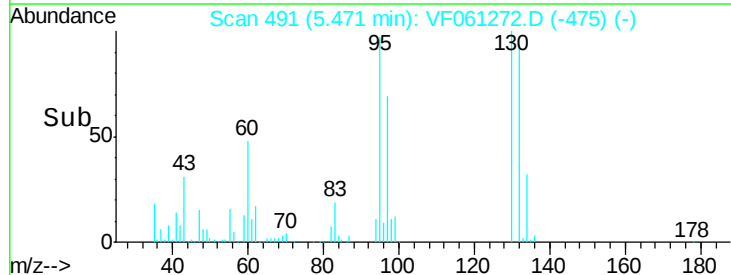
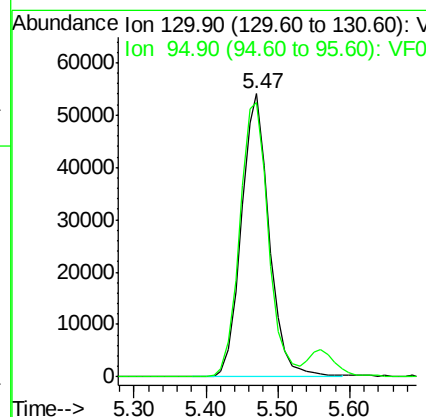
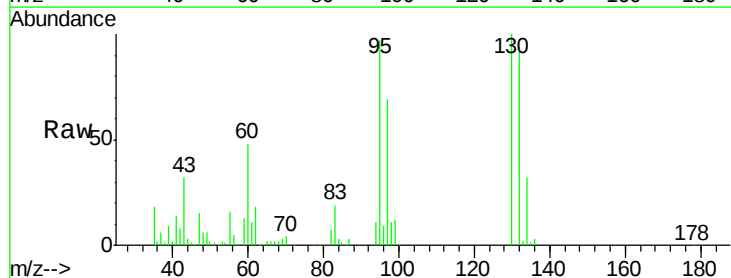
MMDadoda
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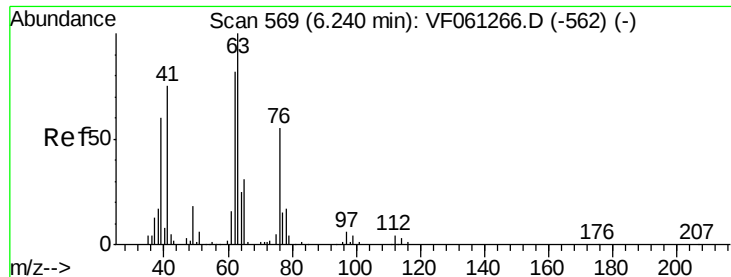


#44

Trichloroethene
 Concen: 43.622 ug/l
 RT: 5.47 min Scan# 491
 Delta R.T. -0.04 min
 Lab File: VF061272.D
 Acq: 7 Jan 2019 11:31

Tgt Ion:	130	Resp:	145313
Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	204.0





#45

1,2-Dichloropropane

Concen: 47.188 ug/l

RT: 6.20 min Scan# 565

Delta R.T. -0.04 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 128927

Ion Ratio Lower Upper

63 100

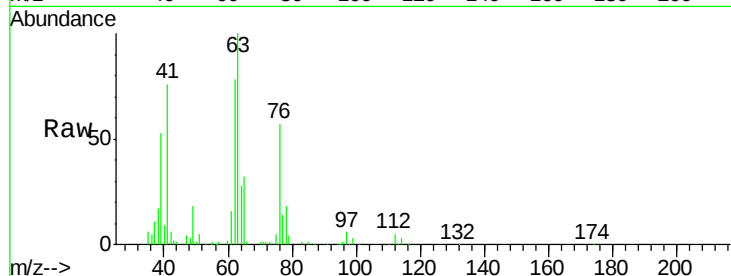
65 31.9 24.4 36.6

Manual Integrations

APPROVED

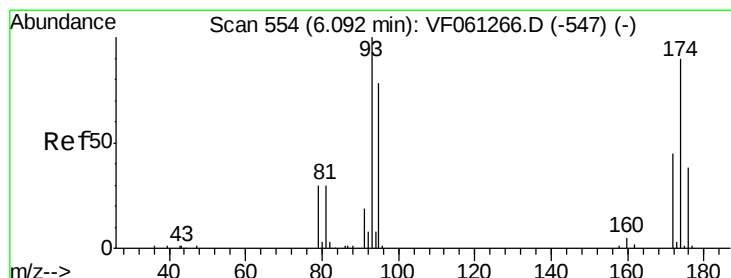
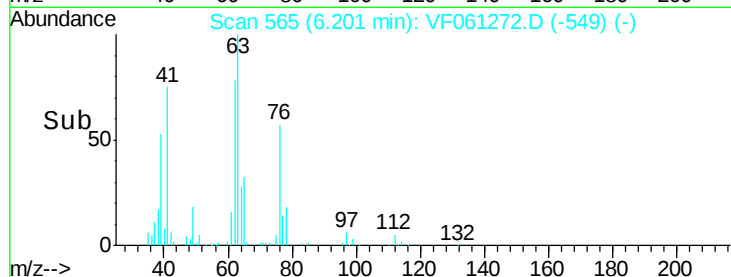
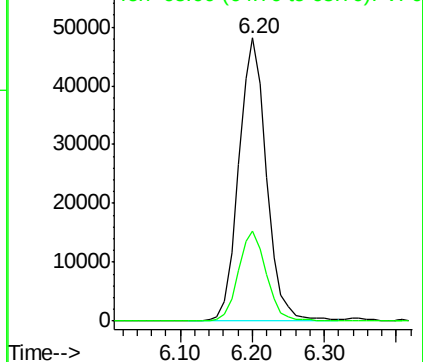
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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 46.080 ug/l

RT: 6.05 min Scan# 550

Delta R.T. -0.04 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

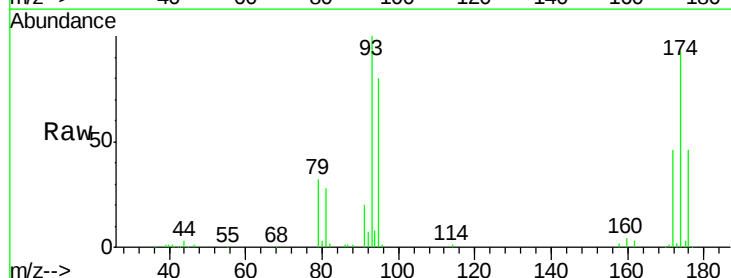
Tgt Ion: 93 Resp: 82844

Ion Ratio Lower Upper

93 100

95 80.2 62.4 93.6

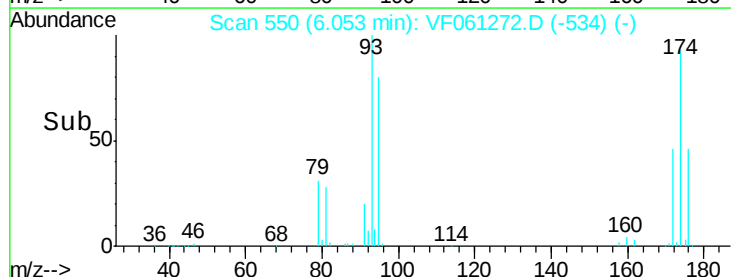
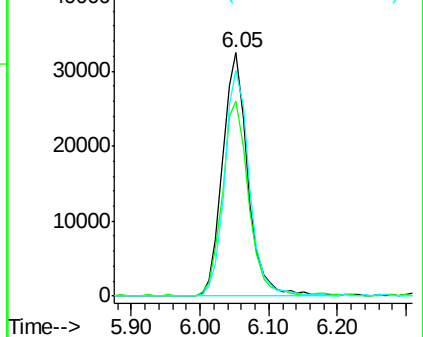
174 92.5 71.9 107.9

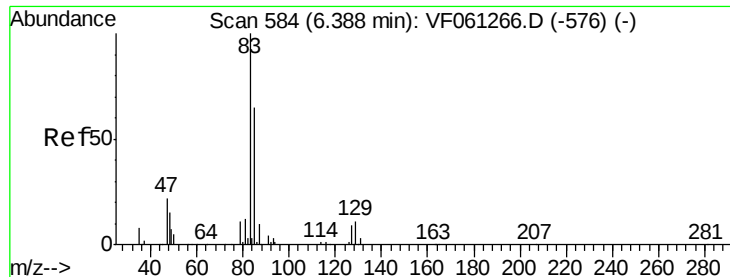


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 44.795 ug/l

RT: 6.35 min Scan# 580

Delta R.T. -0.04 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

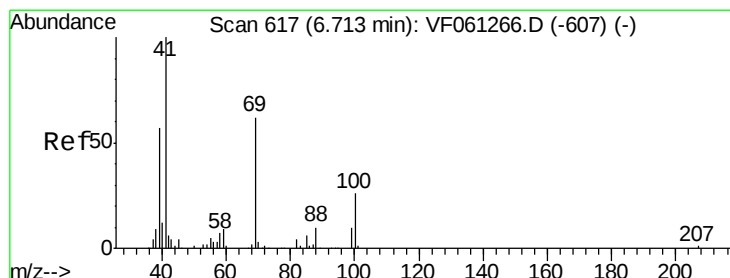
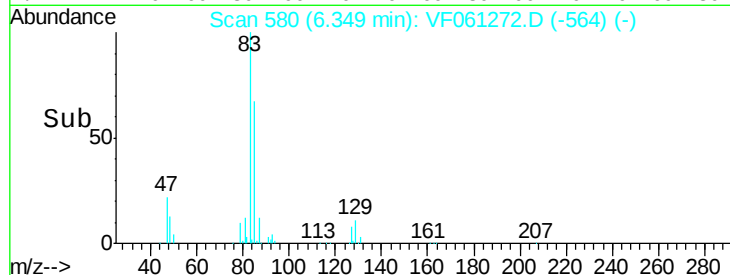
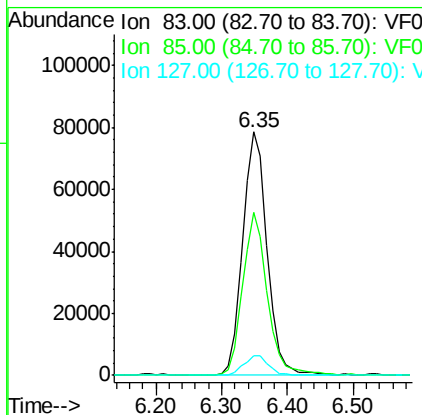
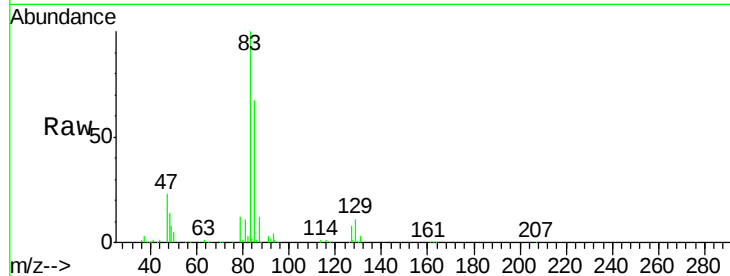
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	205003
Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.1	78.1
127	8.3	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 45.596 ug/l

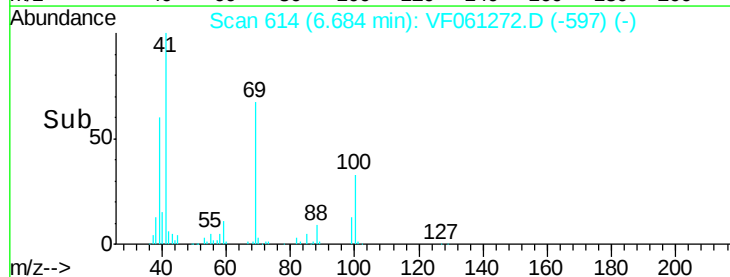
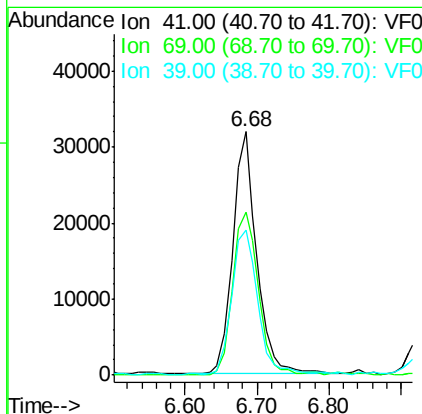
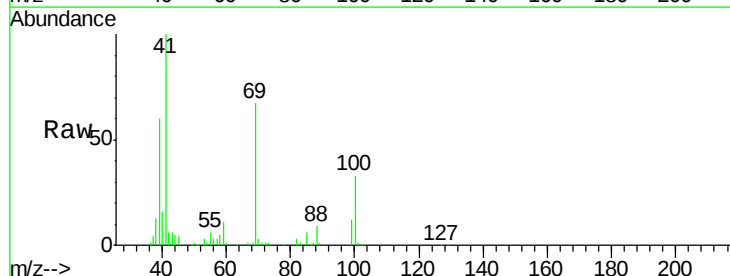
RT: 6.68 min Scan# 614

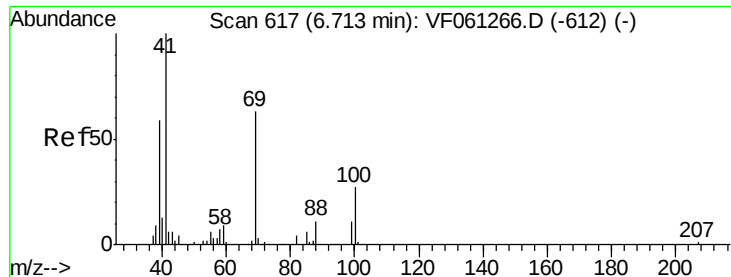
Delta R.T. -0.03 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Tgt Ion:	41	Resp:	74171
Ion	Ratio	Lower	Upper
41	100		
69	66.9	49.8	74.8
39	59.8	46.4	69.6





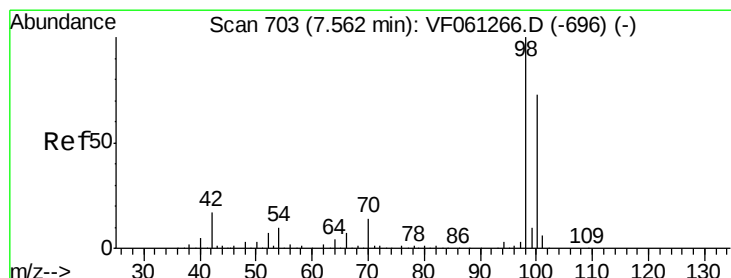
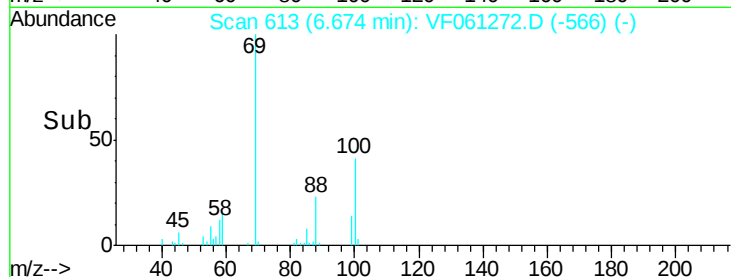
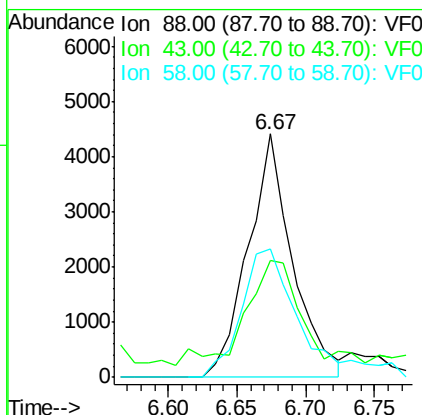
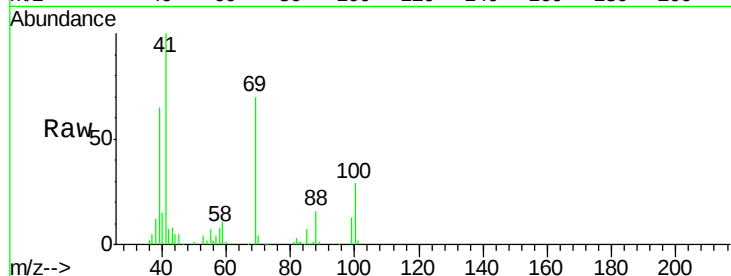
#49
1,4-Dioxane
Concen: 877.889 ug/l
RT: 6.67 min Scan# 613
Delta R.T. -0.04 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	48.2	55.2	82.8#
58	52.5	50.9	76.3

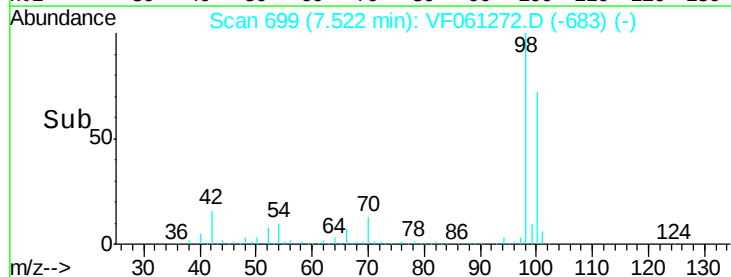
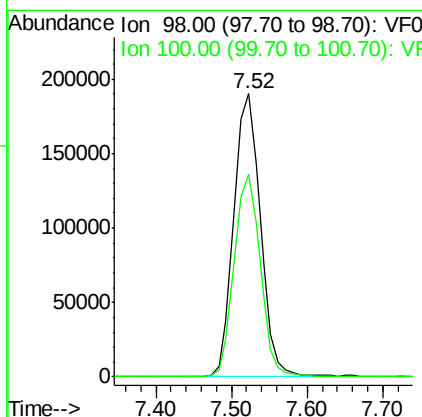
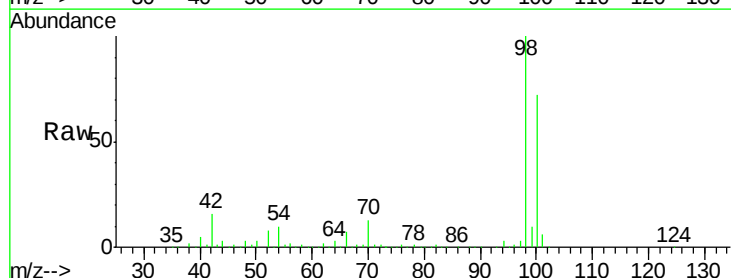
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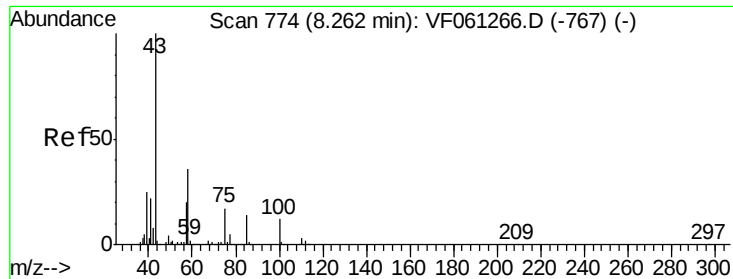
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#50
Toluene-d8
Concen: 50.791 ug/l
RT: 7.52 min Scan# 699
Delta R.T. -0.04 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	71.7	58.1	87.1





#51

4-Methyl-2-Pentanone

Concen: 259.432 ug/l

RT: 8.22 min Scan# 770

Delta R.T. -0.04 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 408910

Ion Ratio Lower Upper

43 100

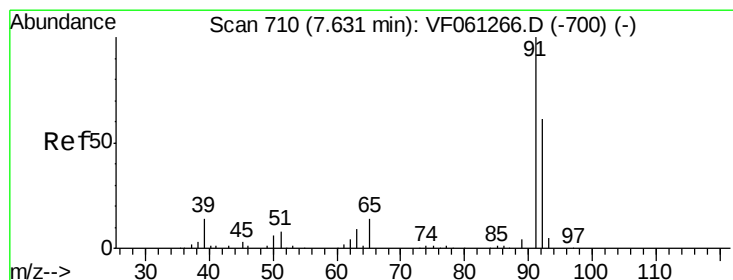
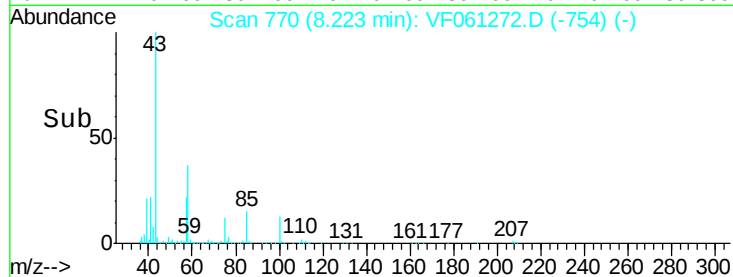
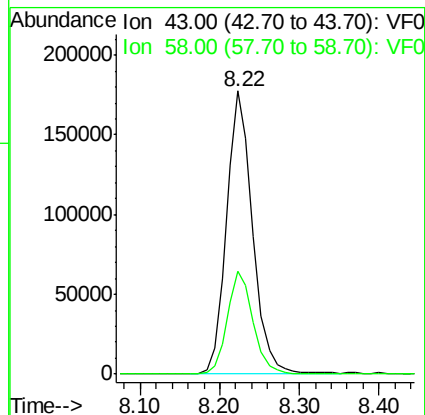
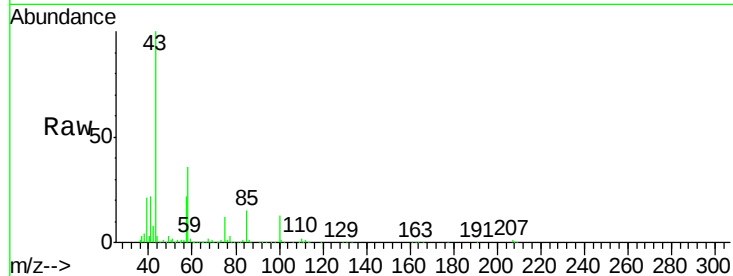
58 36.5 29.1 43.7

Manual Integrations

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#52

Toluene

Concen: 42.682 ug/l

RT: 7.59 min Scan# 706

Delta R.T. -0.04 min

Lab File: VF061272.D

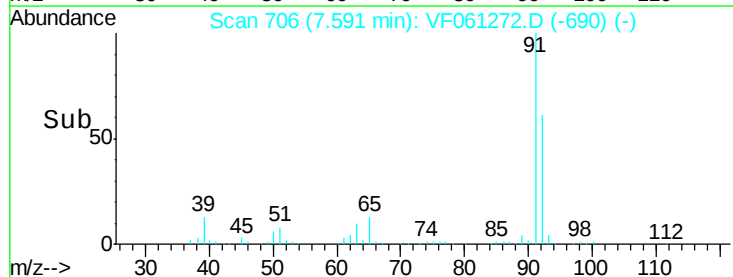
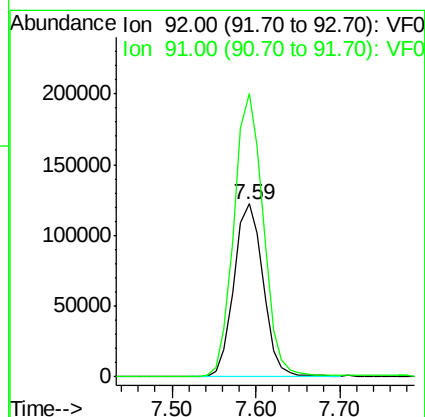
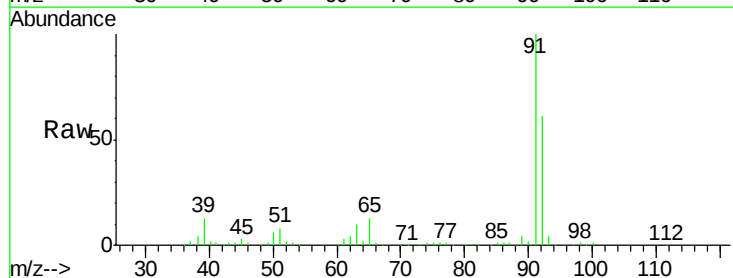
Acq: 7 Jan 2019 11:31

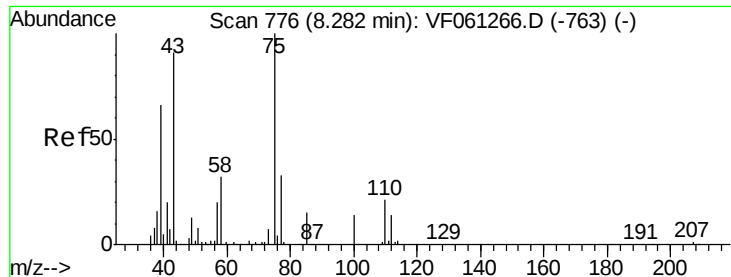
Tgt Ion: 92 Resp: 298251

Ion Ratio Lower Upper

92 100

91 163.4 130.5 195.7





#53

t-1,3-Dichloropropene

Concen: 44.438 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.04 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Tot Ion: 75 Resp: 165786

Ion Ratio Lower Upper

75 100

77 34.5 26.8 40.2

Instrument :

MSVOA_F

ClientSampleId :

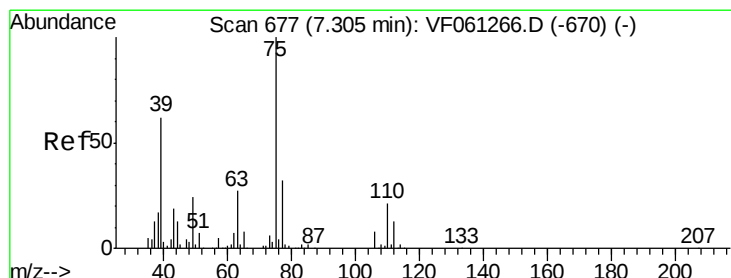
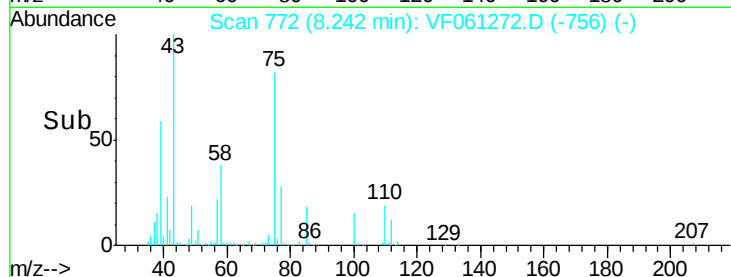
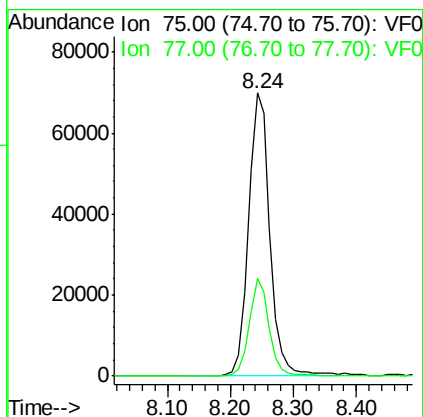
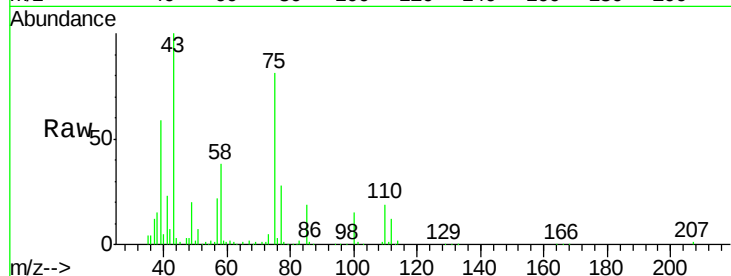
VSTDCCC050

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#54

cis-1,3-Dichloropropene

Concen: 46.186 ug/l

RT: 7.27 min Scan# 673

Delta R.T. -0.04 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

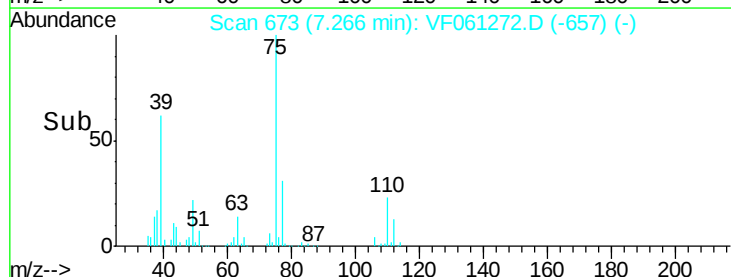
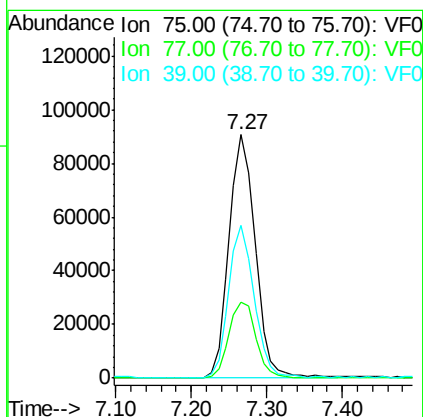
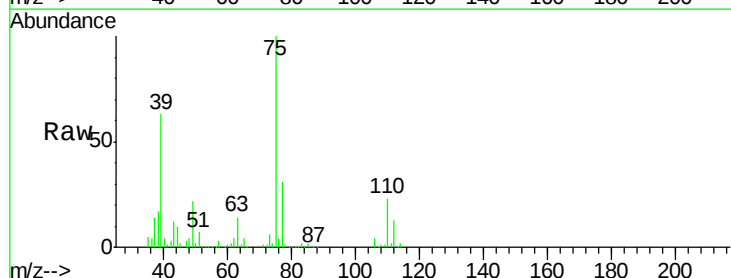
Tgt Ion: 75 Resp: 218998

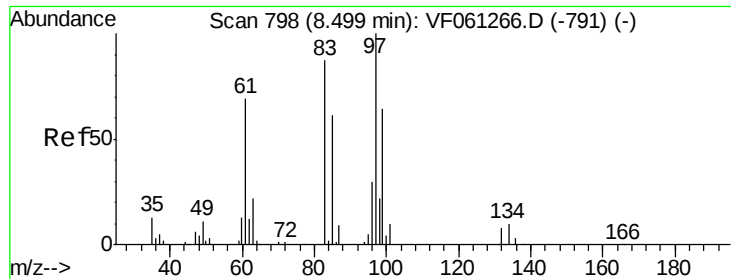
Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.2

39 62.8 49.5 74.3





#55

1,1,2-Trichloroethane

Concen: 46.636 ug/l

RT: 8.46 min Scan# 794

Delta R.T. -0.04 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

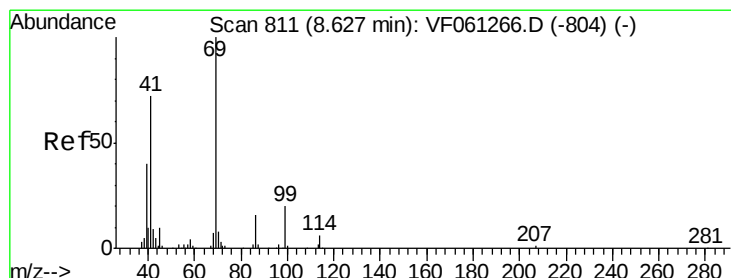
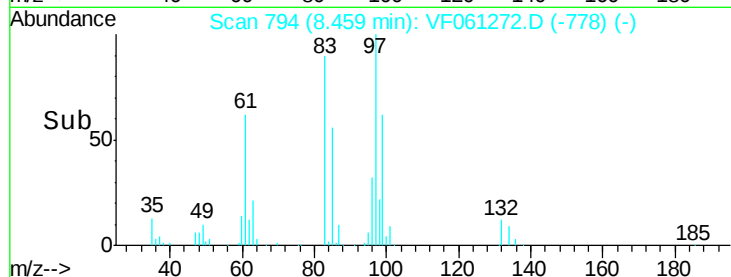
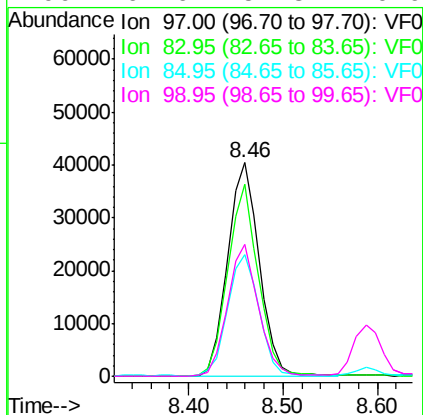
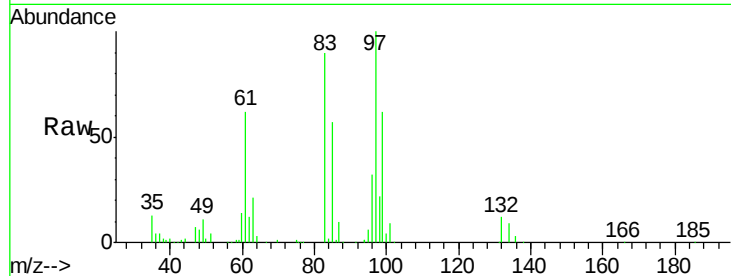
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	93717
Ion	Ratio	Lower	Upper
97	100		
83	90.1	69.7	104.5
85	56.8	49.1	73.7
99	61.6	51.3	76.9

Manual Integrations
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#56

Ethyl methacrylate

Concen: 49.918 ug/l

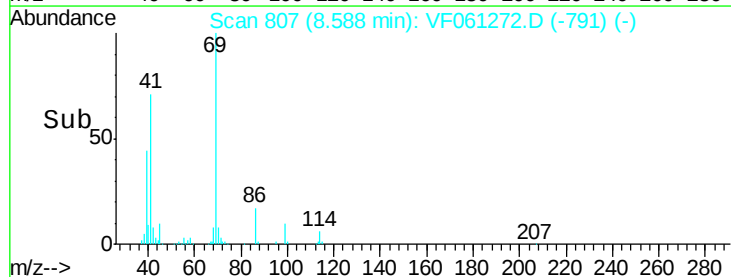
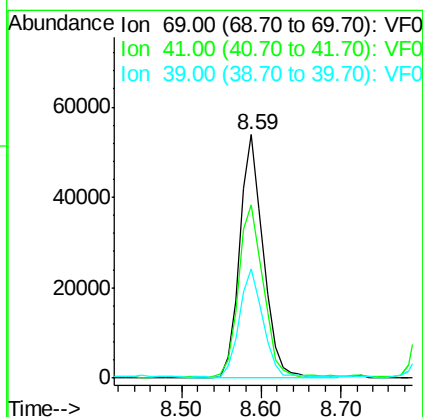
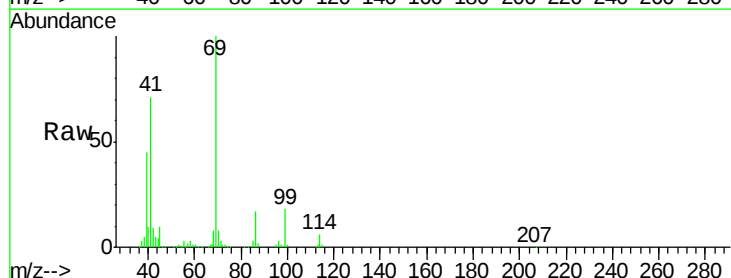
RT: 8.59 min Scan# 807

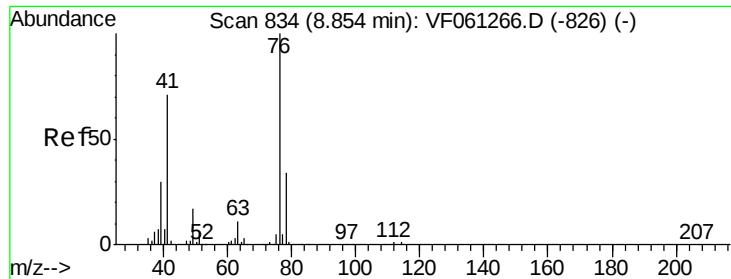
Delta R.T. -0.04 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Tgt Ion:	69	Resp:	110861
Ion	Ratio	Lower	Upper
69	100		
41	71.1	58.1	87.1
39	44.7	32.6	49.0





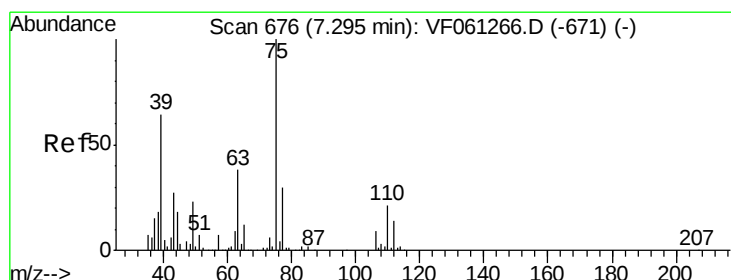
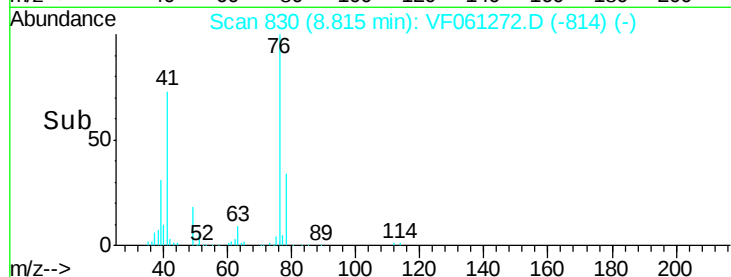
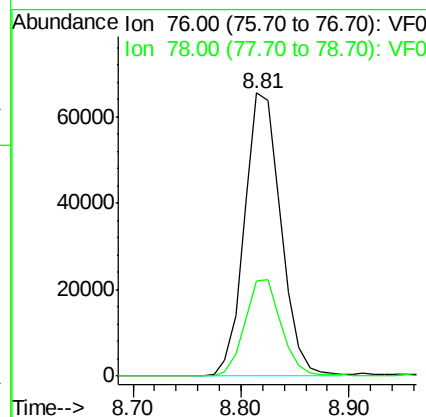
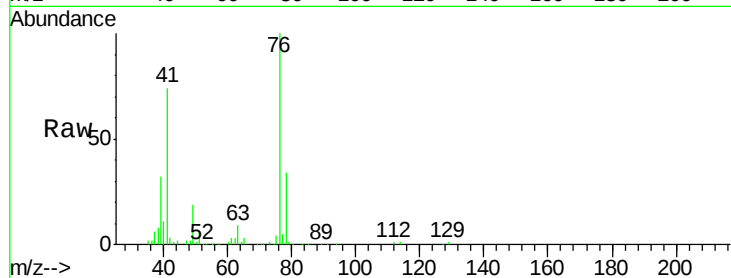
#57
 1,3-Dichloropropane
 Concen: 40.755 ug/l
 RT: 8.81 min Scan# 830
 Delta R.T. -0.04 min
 Lab File: VF061272.D
 Acq: 7 Jan 2019 11:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.8	26.8	40.2

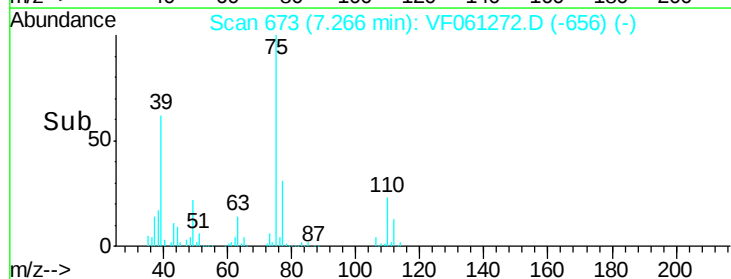
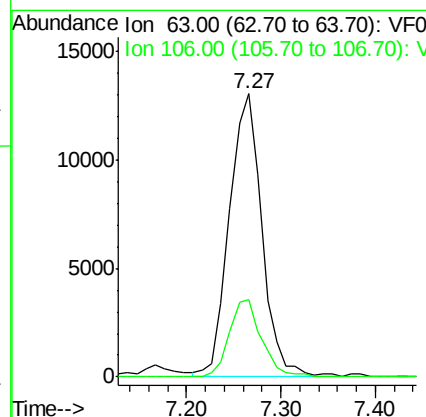
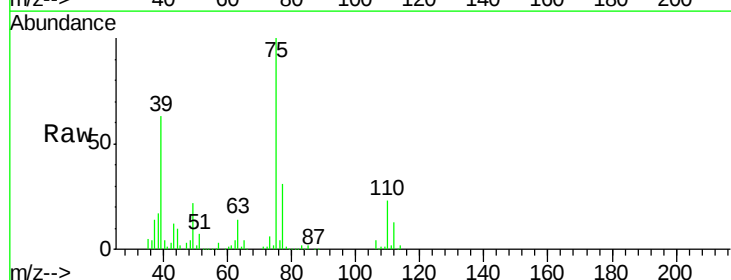
Manual Integrations
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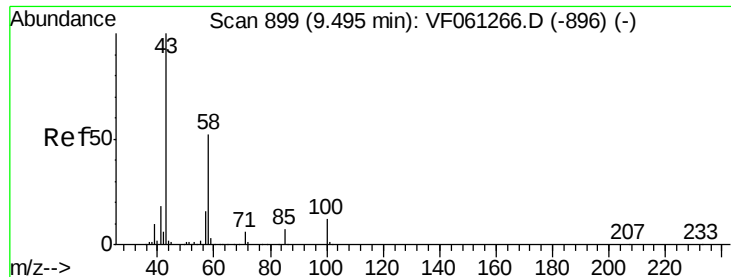
MMDadoda
 1/8/2019 12:57:52 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 116.044 ug/l
 RT: 7.27 min Scan# 673
 Delta R.T. -0.03 min
 Lab File: VF061272.D
 Acq: 7 Jan 2019 11:31

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.5	19.2	28.8





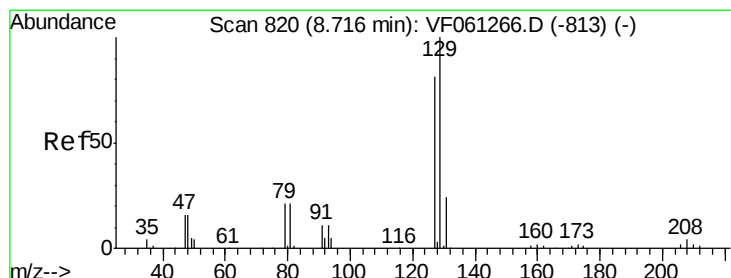
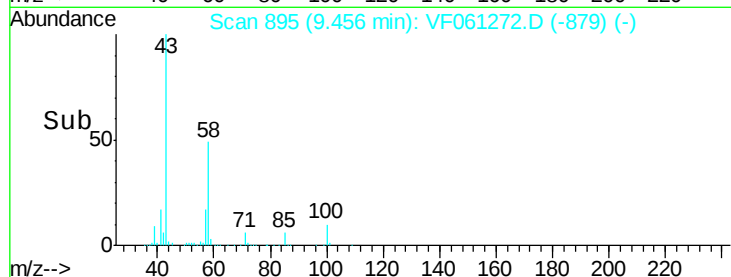
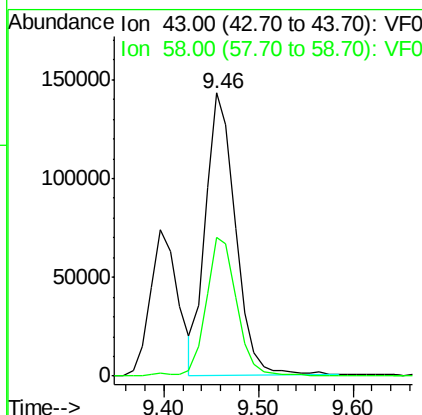
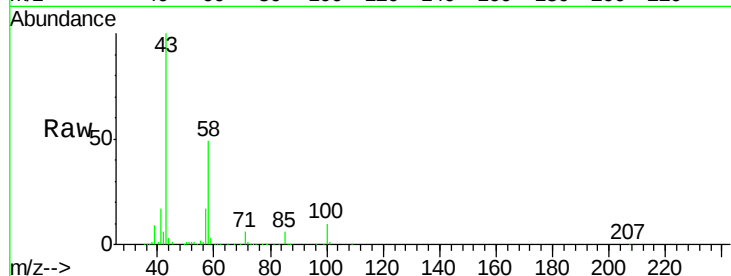
#59
2-Hexanone
Concen: 247.938 ug/l
RT: 9.46 min Scan# 895
Delta R.T. -0.04 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 313184
Ion Ratio Lower Upper
43 100
58 49.1 24.4 73.4

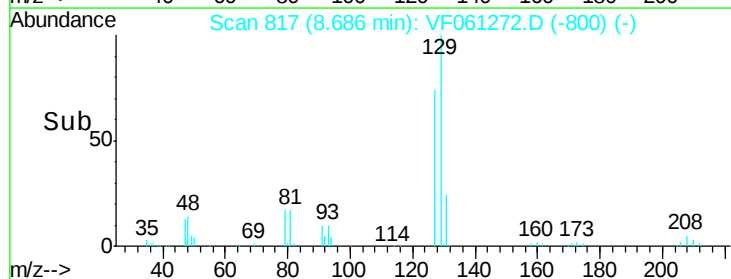
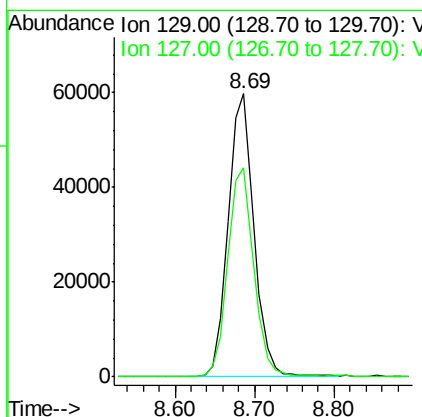
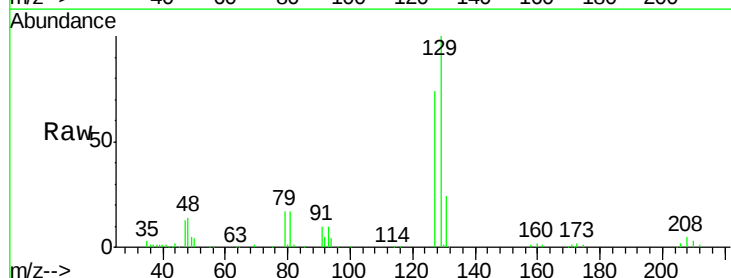
Manual Integrations
APPROVED

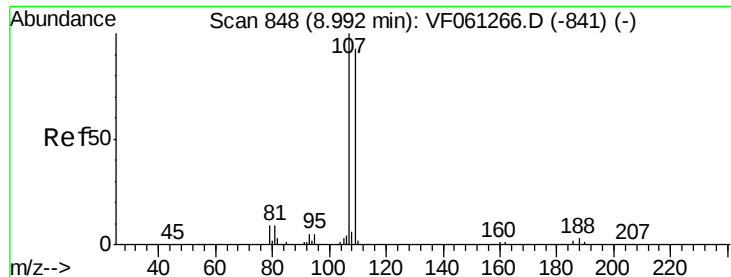
MMDadoda
1/8/2019 12:57:52 PM



#60
Dibromochloromethane
Concen: 47.708 ug/l
RT: 8.69 min Scan# 817
Delta R.T. -0.03 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

Tgt Ion: 129 Resp: 136178
Ion Ratio Lower Upper
129 100
127 74.1 40.7 122.1





#61

1,2-Dibromoethane

Concen: 42.944 ug/l

RT: 8.95 min Scan# 844

Delta R.T. -0.04 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 93136

Ion Ratio Lower Upper

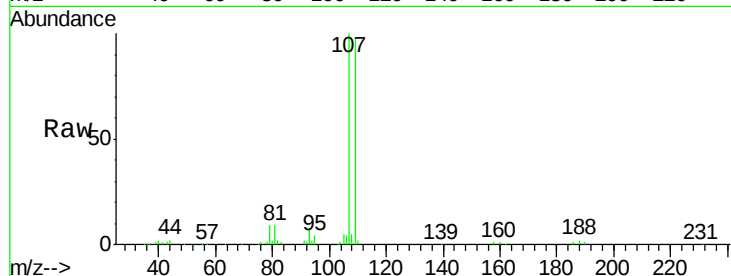
107 100

109 97.8 74.2 111.4

Manual Integrations
APPROVED

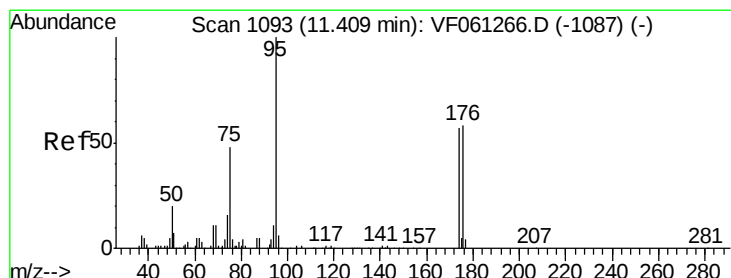
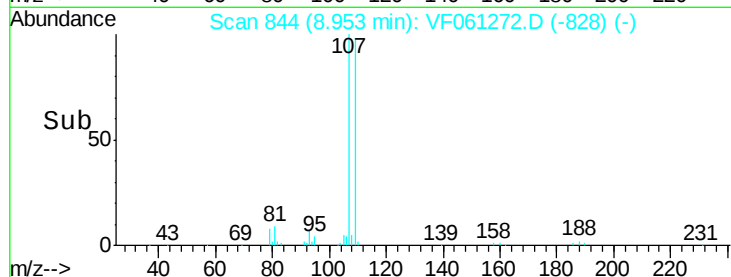
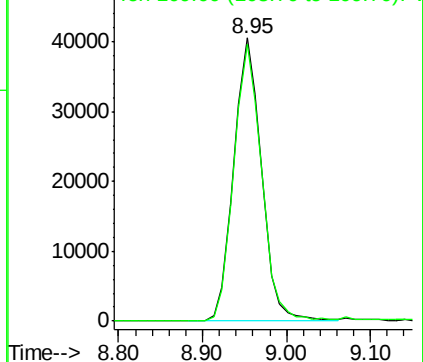
MMDadoda

1/8/2019 12:57:52 PM



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 48.702 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.02 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

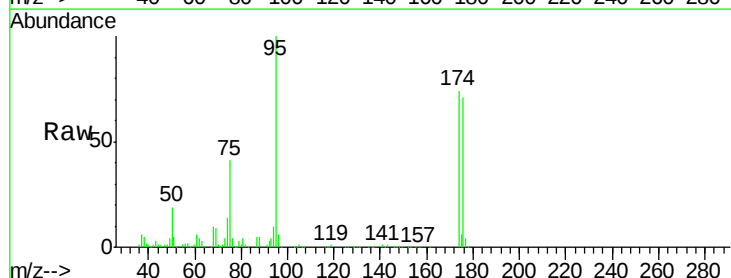
Tgt Ion: 95 Resp: 197254

Ion Ratio Lower Upper

95 100

174 73.9 0.0 113.2

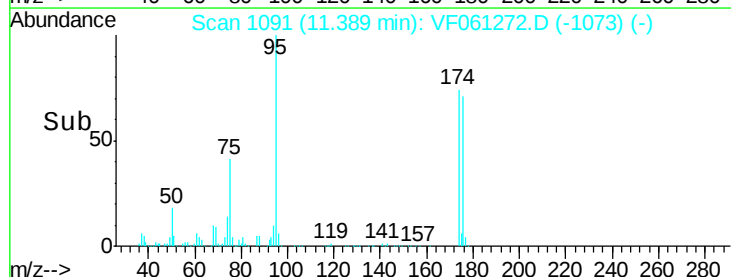
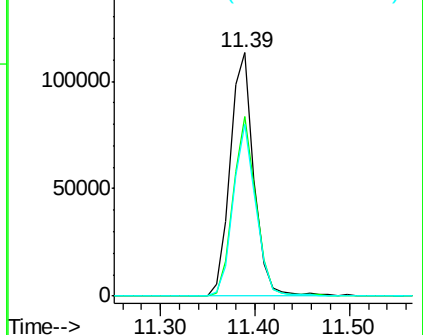
176 70.7 0.0 115.6

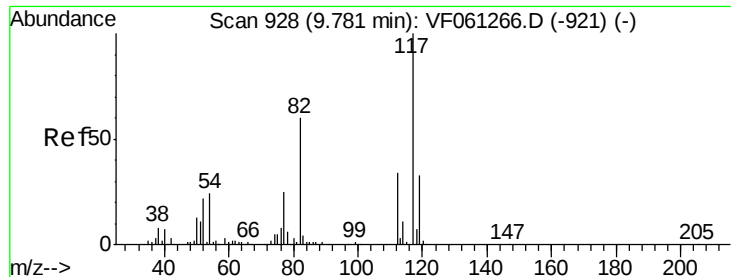


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





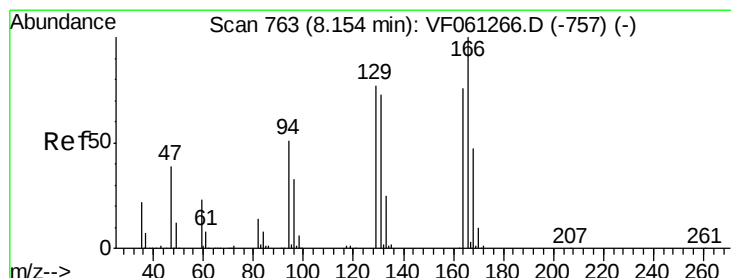
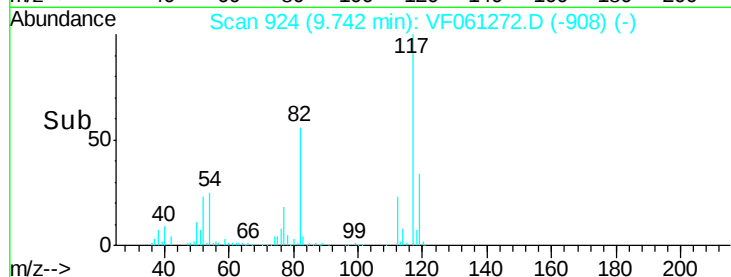
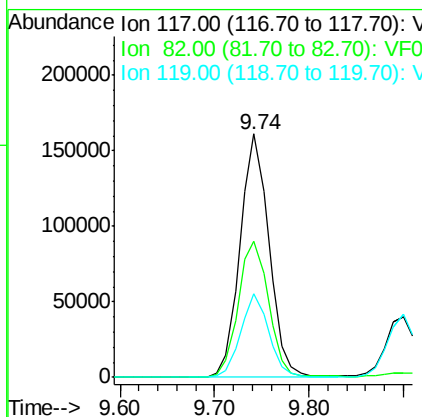
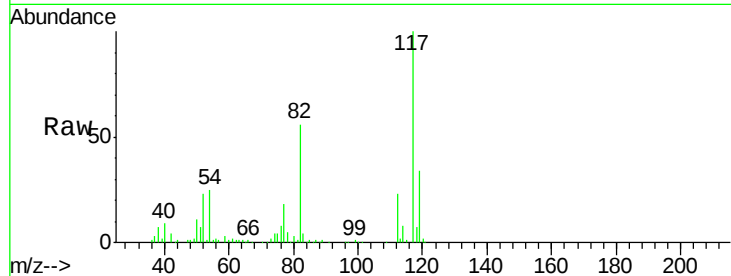
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.74 min Scan# 924
Delta R.T. -0.04 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	344295		
82	56.1		47.8	71.6
119	34.2		26.1	39.1

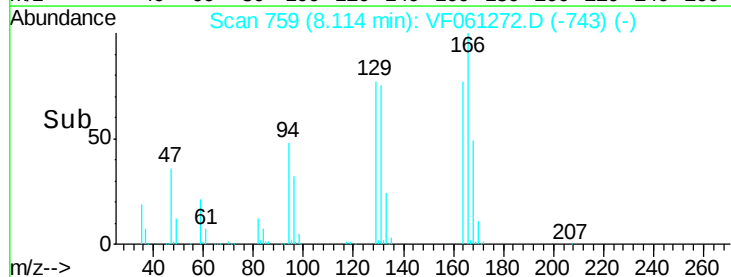
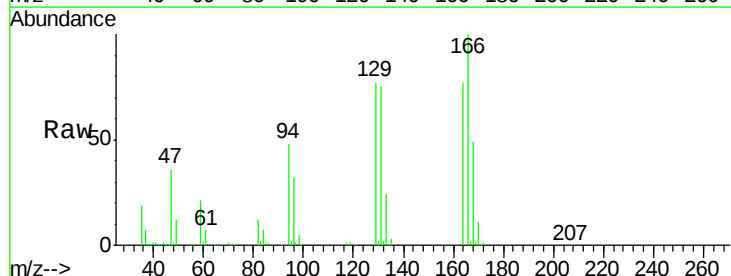
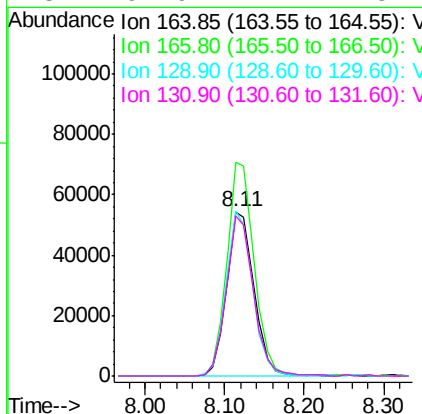
Manual Integrations
APPROVED

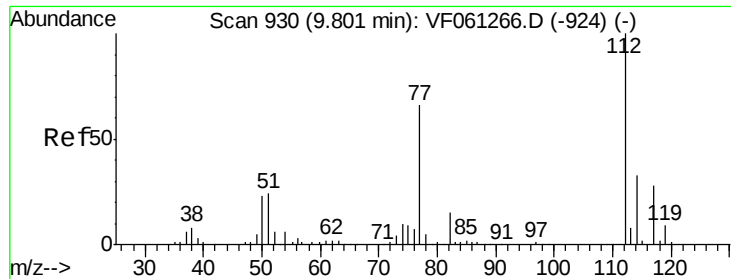
MMDadoda
1/8/2019 12:57:52 PM



#64
Tetrachloroethene
Concen: 49.780 ug/l
RT: 8.11 min Scan# 759
Delta R.T. -0.04 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	131346		
166	130.1		105.1	157.7
129	100.6		81.0	121.6
131	97.9		77.1	115.7





#65

Chlorobenzene

Concen: 46.692 ug/l

RT: 9.76 min Scan# 926

Delta R.T. -0.04 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 326891

Ion Ratio Lower Upper

112 100

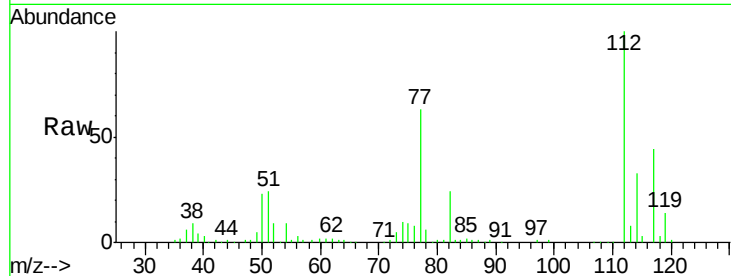
114 33.4 26.4 39.6

Manual Integrations

APPROVED

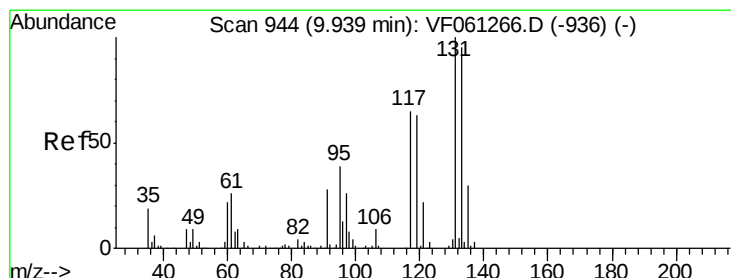
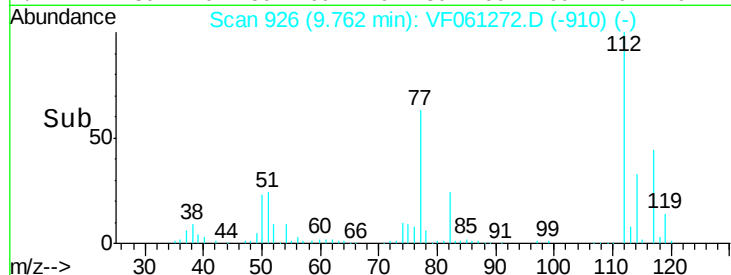
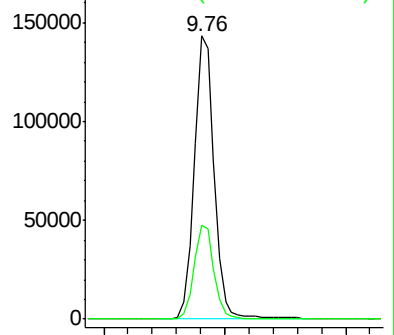
MMDadoda

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 47.022 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.04 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

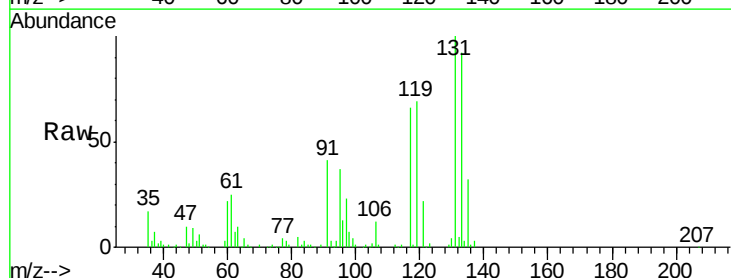
Tgt Ion:131 Resp: 135194

Ion Ratio Lower Upper

131 100

133 92.4 47.5 142.5

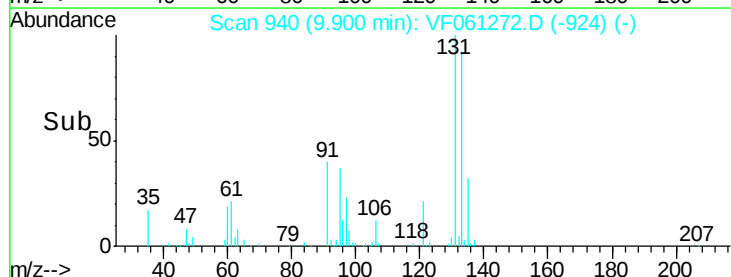
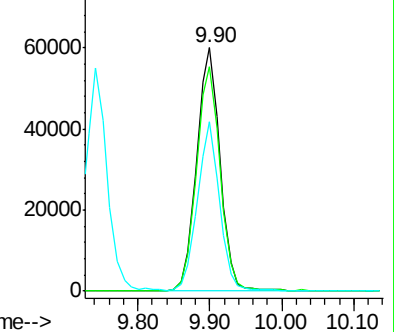
119 69.3 32.2 96.6

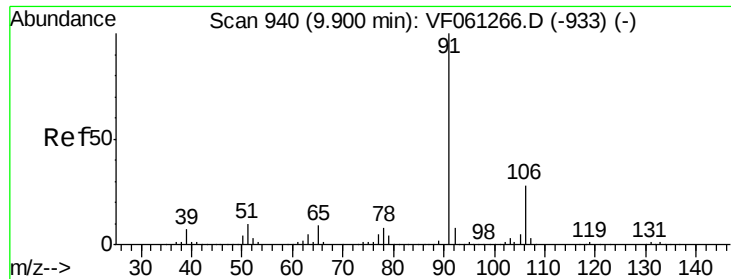


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





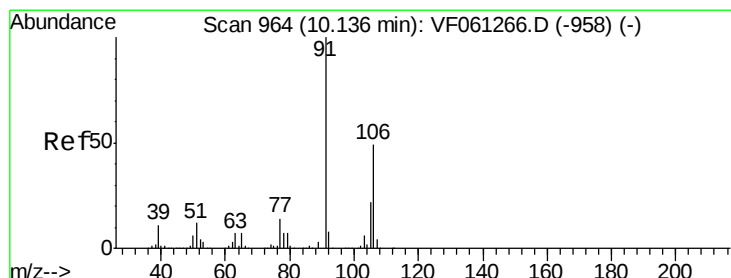
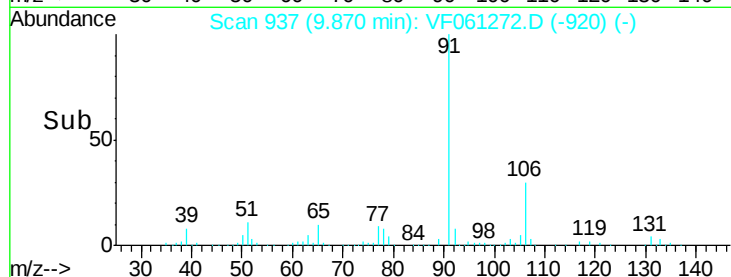
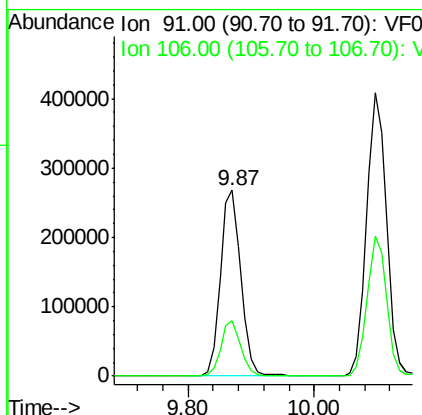
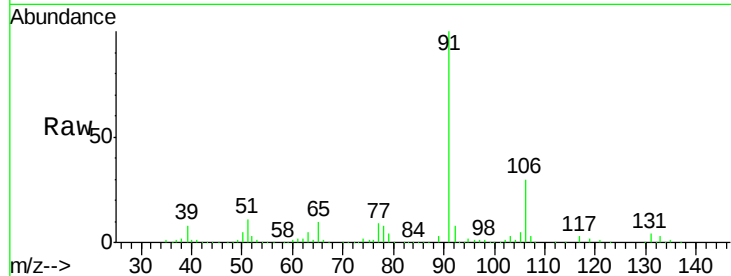
#67
Ethyl Benzene
Concen: 47.420 ug/l
RT: 9.87 min Scan# 937
Delta R.T. -0.03 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 610286
Ion Ratio Lower Upper
91 100
106 30.1 22.8 34.2

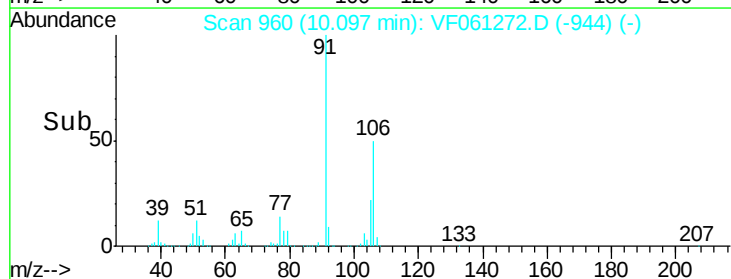
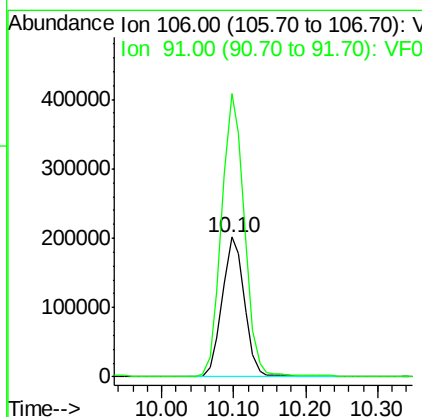
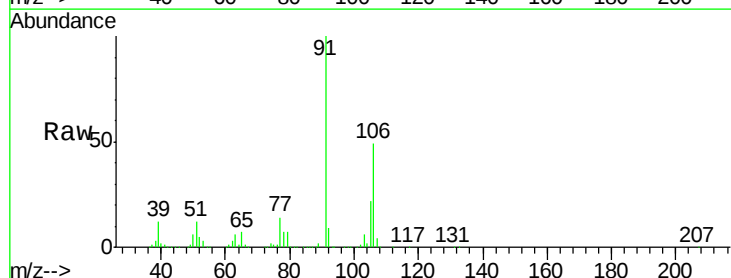
Manual Integrations
APPROVED

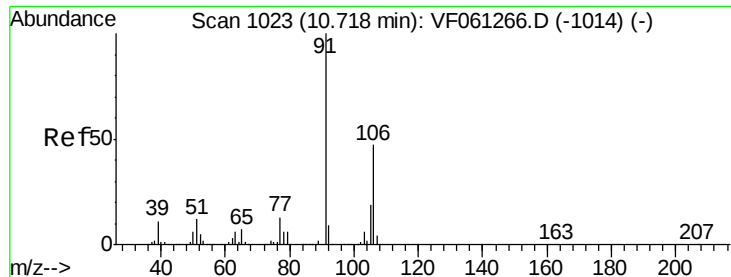
MMDadoda
1/8/2019 12:57:52 PM



#68
m/p-Xylenes
Concen: 92.535 ug/l
RT: 10.10 min Scan# 960
Delta R.T. -0.04 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

Tgt Ion: 106 Resp: 434612
Ion Ratio Lower Upper
106 100
91 202.5 164.8 247.2





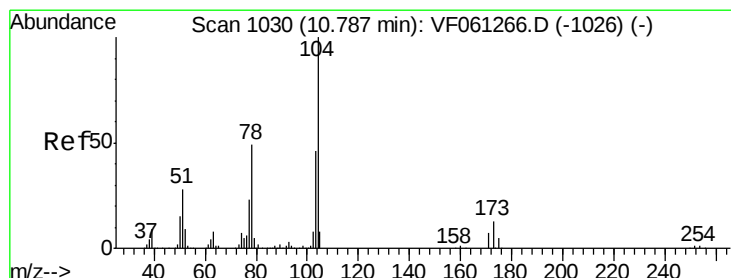
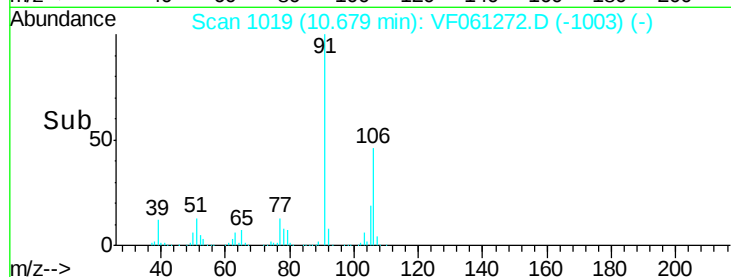
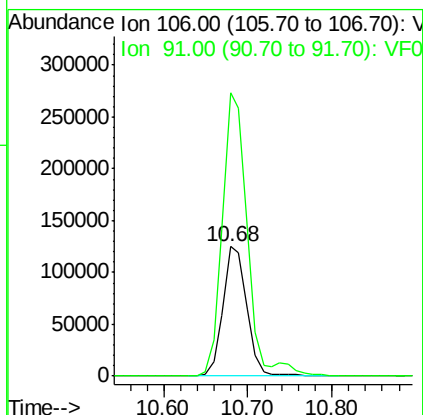
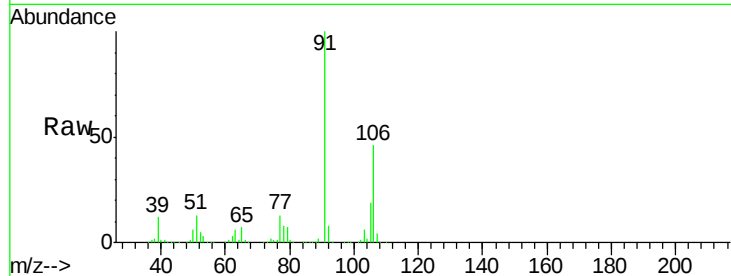
#69
o-Xylene
Concen: 48.706 ug/l
RT: 10.68 min Scan# 1019
Delta R.T. -0.04 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
247464	106	100			
	91	218.7	106.2	318.5	

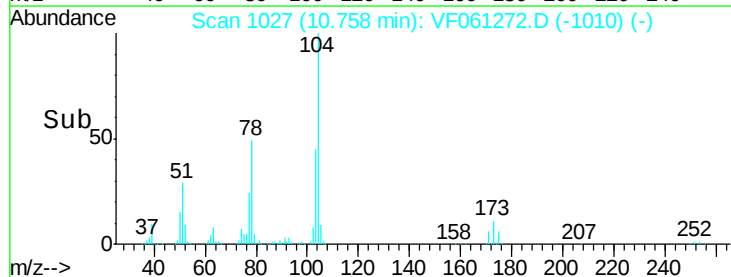
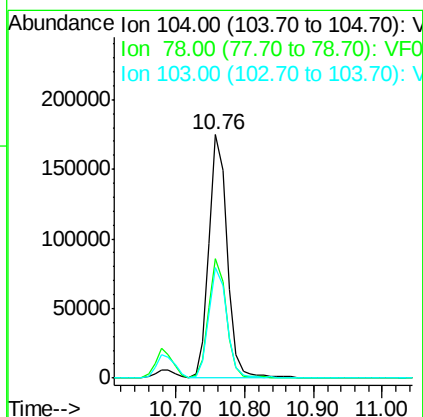
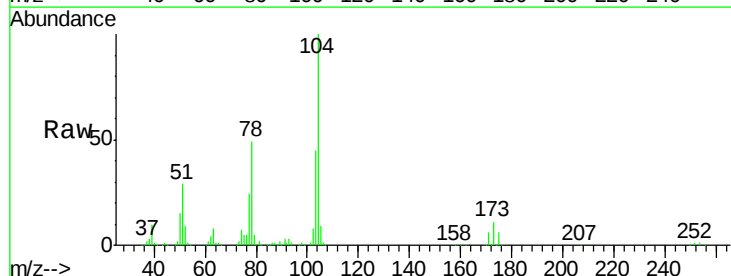
Manual Integrations
APPROVED

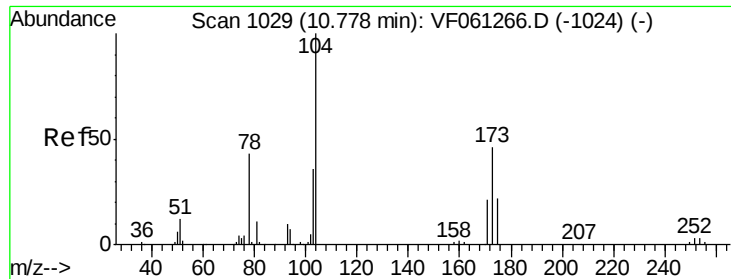
MMDadoda
1/8/2019 12:57:52 PM



#70
Styrene
Concen: 46.221 ug/l
RT: 10.76 min Scan# 1027
Delta R.T. -0.03 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
323281	104	100			
	78	49.1	39.3	58.9	
	103	45.3	37.3	55.9	





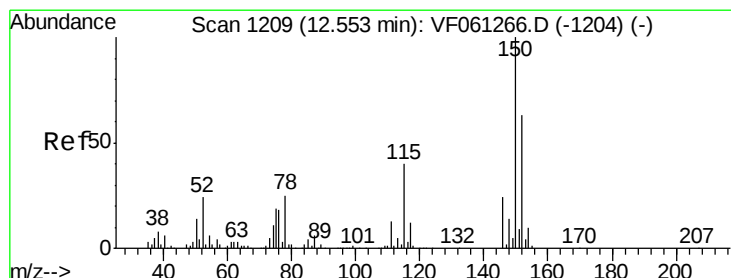
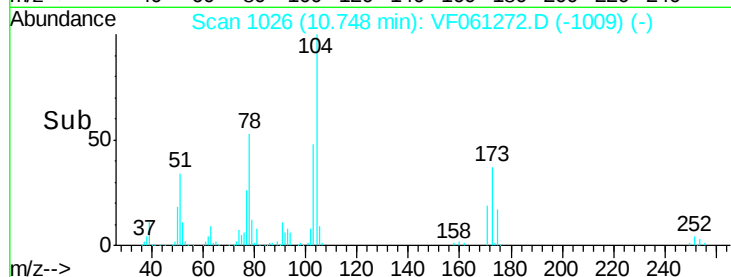
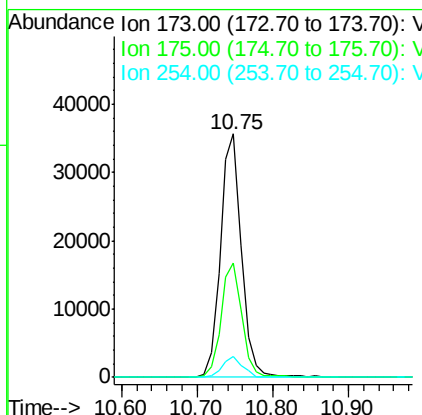
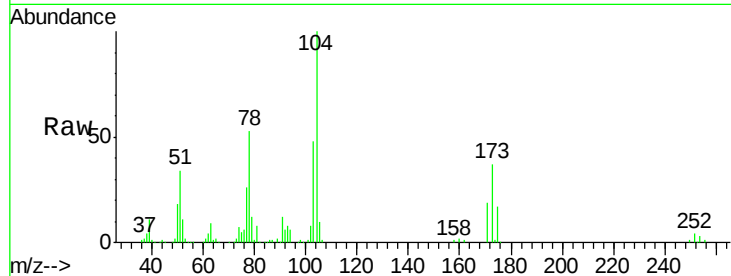
#71
Bromoform
Concen: 51.354 ug/l
RT: 10.75 min Scan# 1026
Delta R.T. -0.03 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.0	24.6	73.6
254	8.5	5.3	7.9

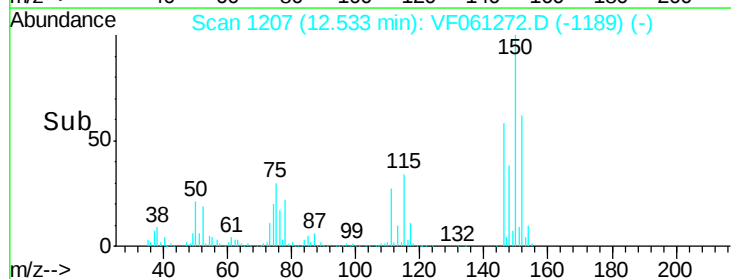
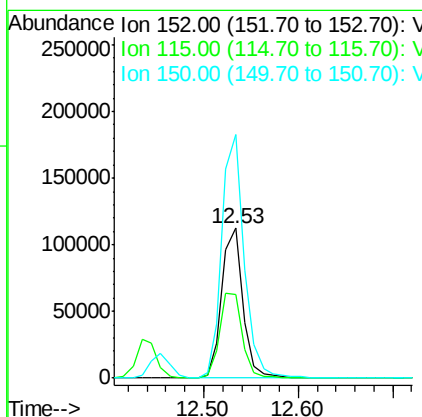
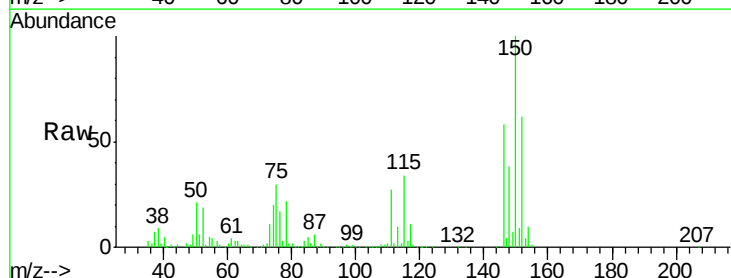
Manual Integrations
APPROVED

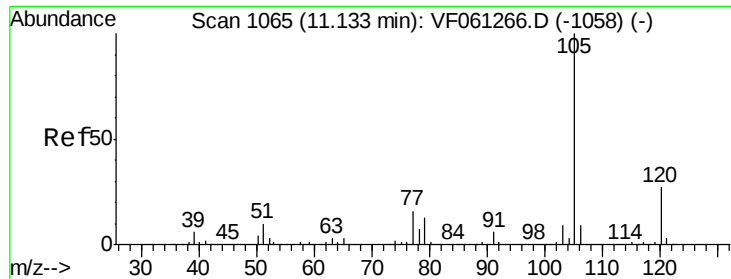
MMDadoda
1/8/2019 12:57:52 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.53 min Scan# 1207
Delta R.T. -0.02 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	31.6	94.7
150	162.2	0.0	320.2





#73

Isopropylbenzene

Concen: 47.600 ug/l

RT: 11.10 min Scan# 1062

Delta R.T. -0.03 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 708916

Ion Ratio Lower Upper

105 100

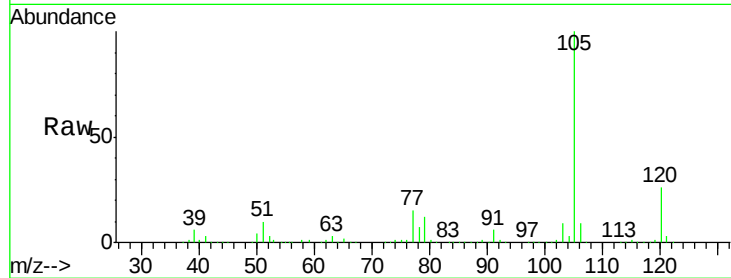
120 25.6 13.4 40.1

Manual Integrations

APPROVED

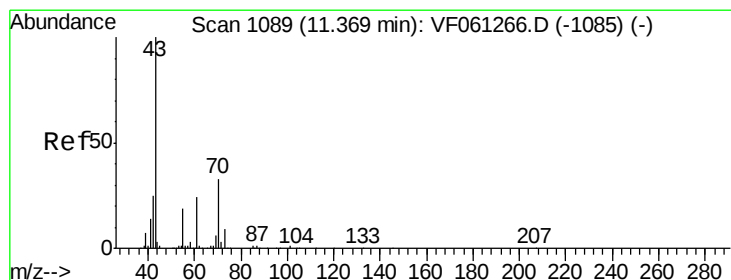
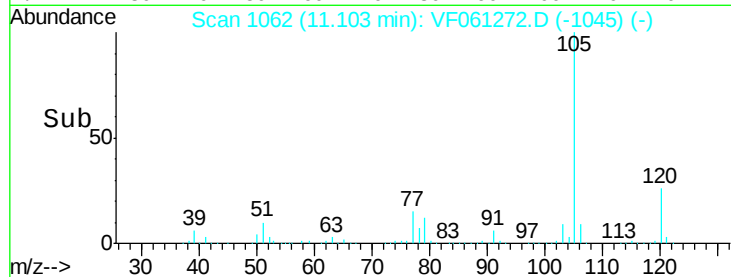
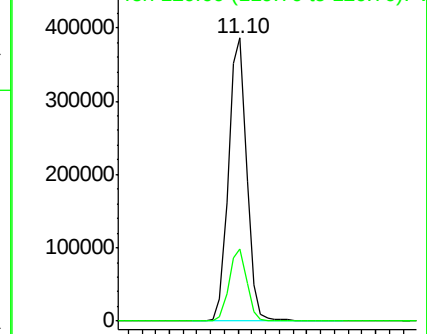
MMDadoda

1/8/2019 12:57:52 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.679 ug/l

RT: 11.35 min Scan# 1087

Delta R.T. -0.02 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Tgt Ion: 43 Resp: 190557

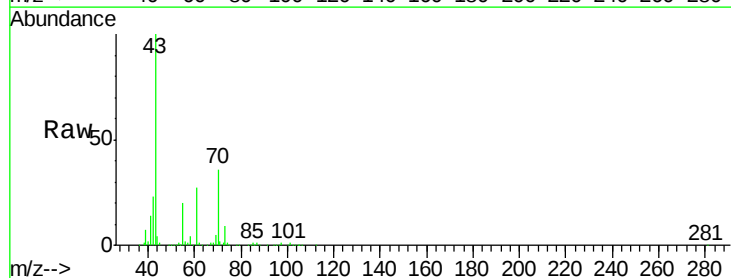
Ion Ratio Lower Upper

43 100

70 36.3 26.7 40.1

55 20.4 15.4 23.0

61 26.7 19.4 29.0

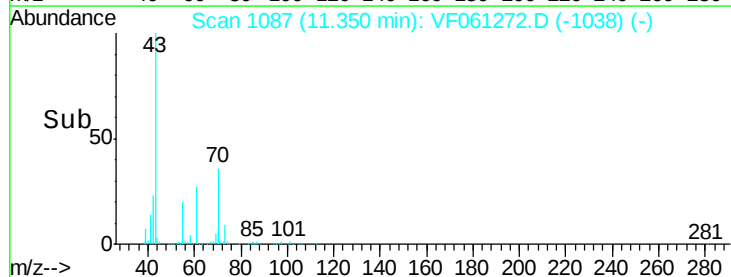
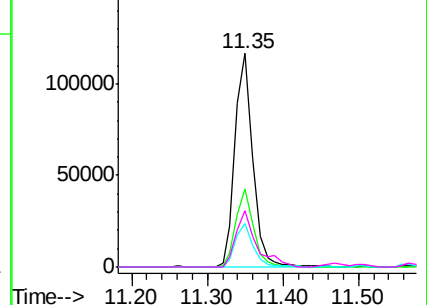


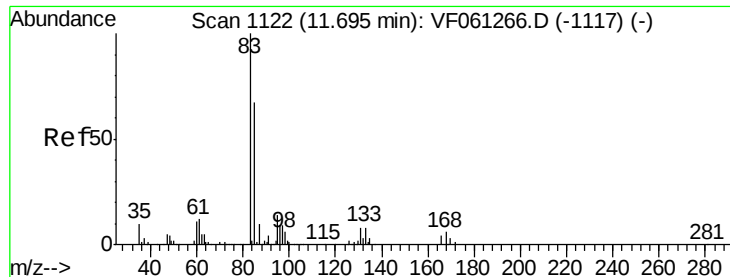
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 47.043 ug/l

RT: 11.68 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

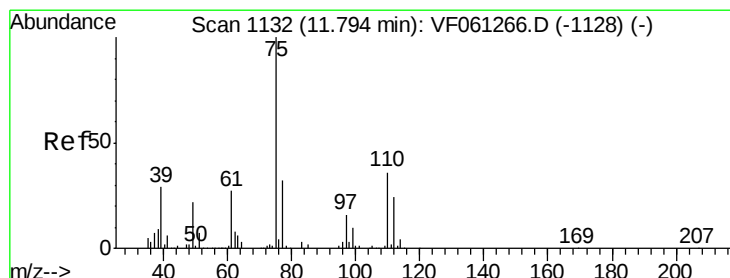
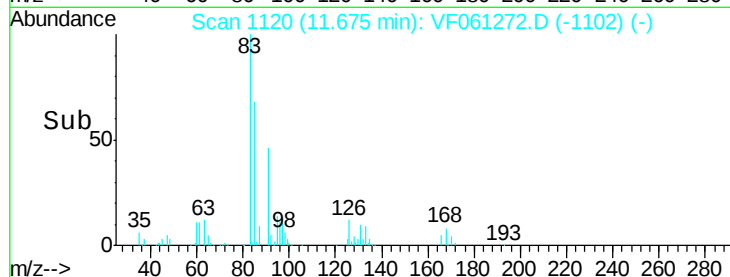
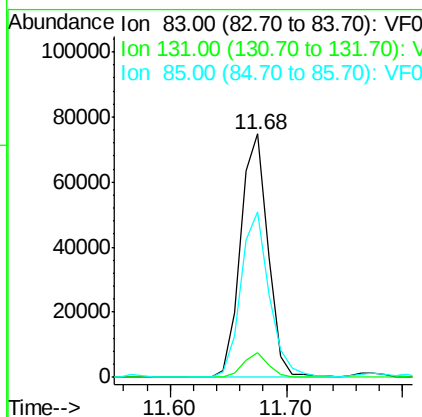
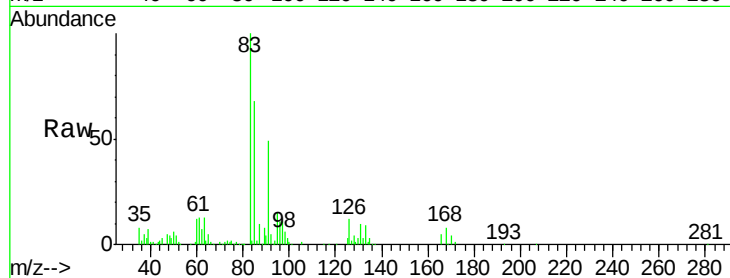
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	122378
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.0	12.0
85	67.8	33.6	100.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.633 ug/l

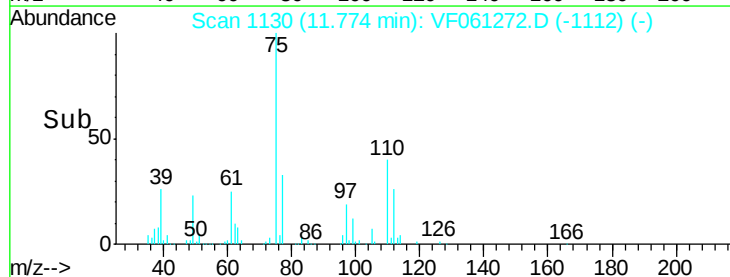
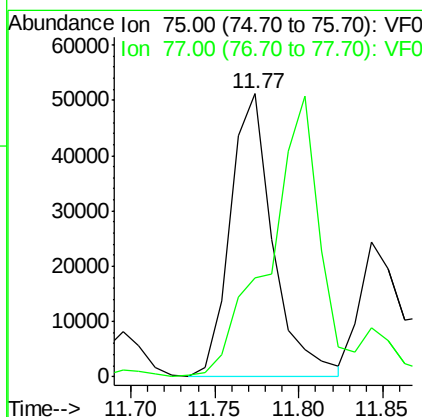
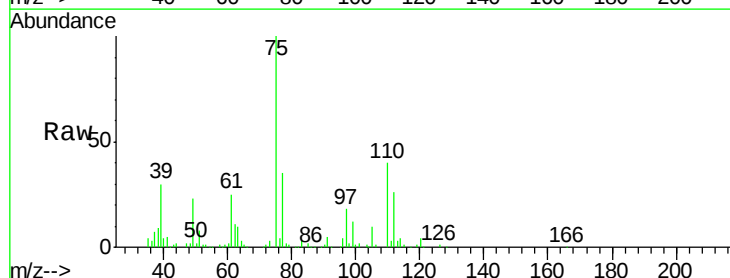
RT: 11.77 min Scan# 1130

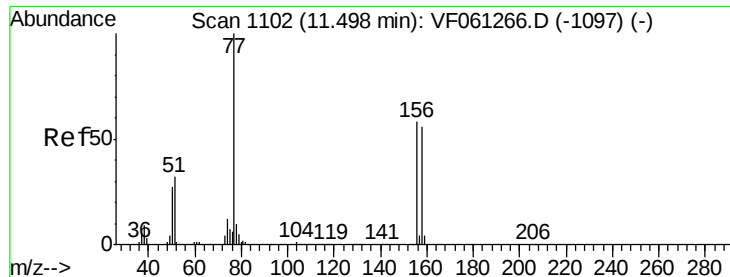
Delta R.T. -0.02 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Tgt Ion:	75	Resp:	90056
Ion Ratio	Lower	Upper	
75	100		
77	35.1	15.9	47.7





#77

Bromobenzene

Concen: 48.851 ug/l

RT: 11.47 min Scan# 1099

Delta R.T. -0.03 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

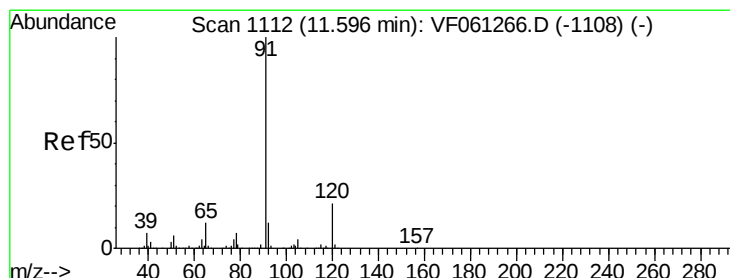
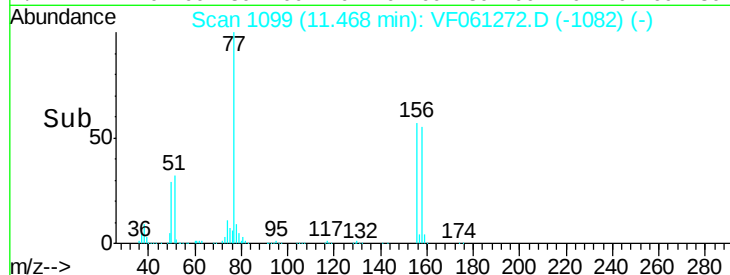
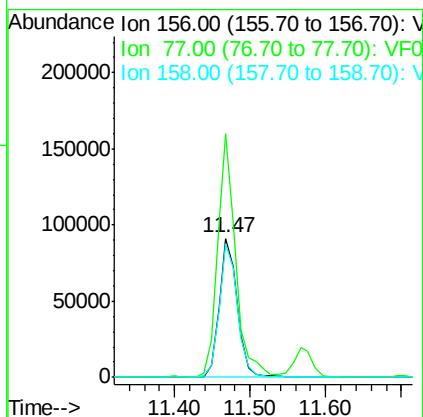
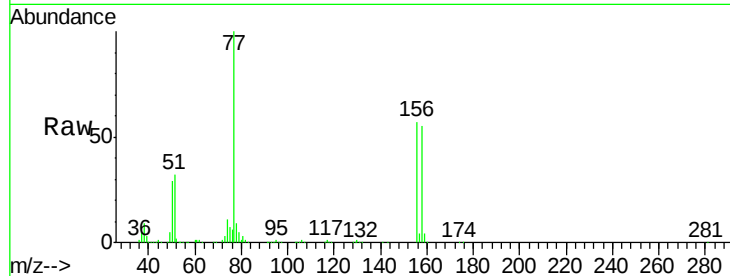
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	152733
Ion Ratio	Lower	Upper	
156	100		
77	174.9	85.8	257.3
158	96.0	47.6	142.8

Manual Integrations
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#78

n-propylbenzene

Concen: 45.801 ug/l

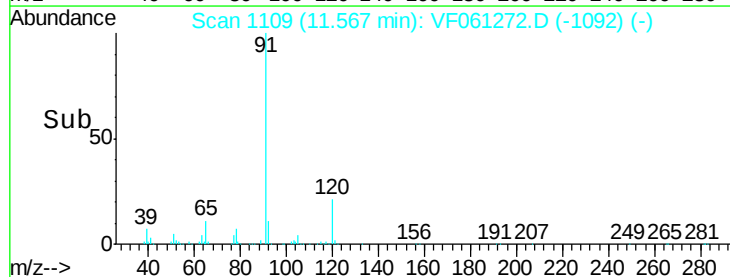
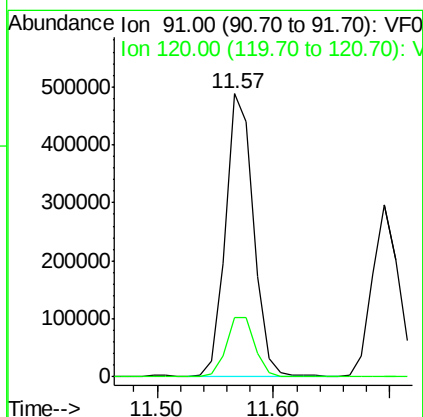
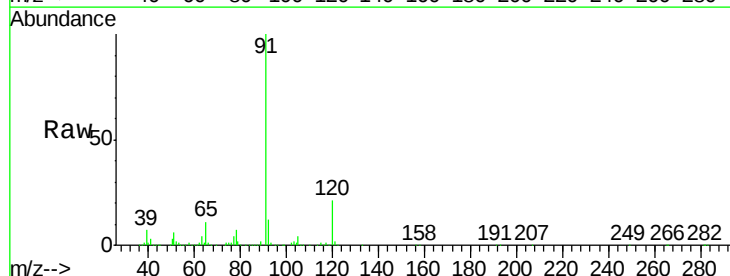
RT: 11.57 min Scan# 1109

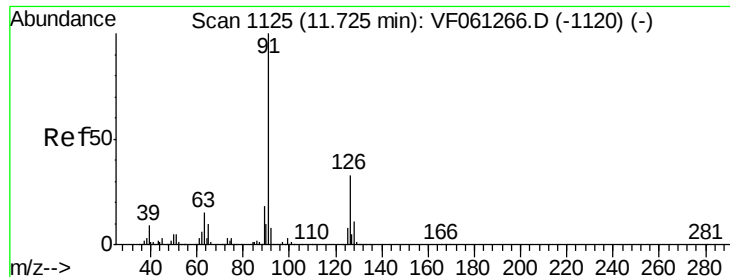
Delta R.T. -0.03 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Tgt Ion:	91	Resp:	813055
Ion Ratio	Lower	Upper	
91	100		
120	20.8	10.6	31.8





#79

2-Chlorotoluene

Concen: 45.203 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.03 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 463427

Ion Ratio Lower Upper

91 100

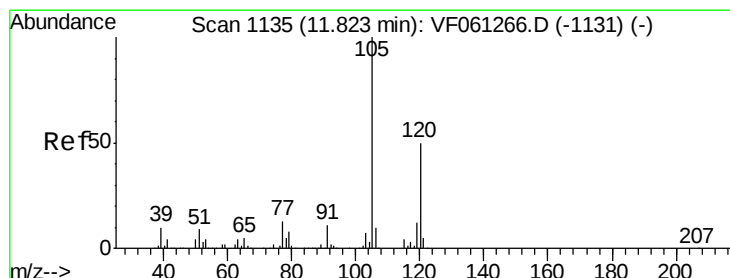
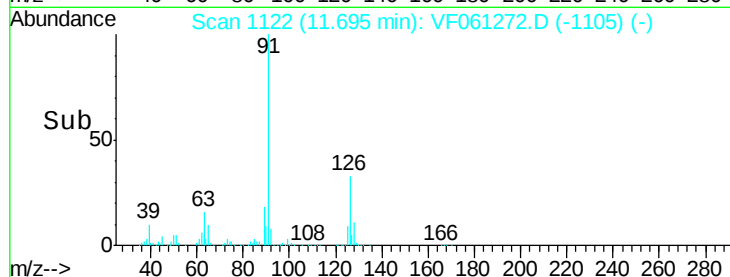
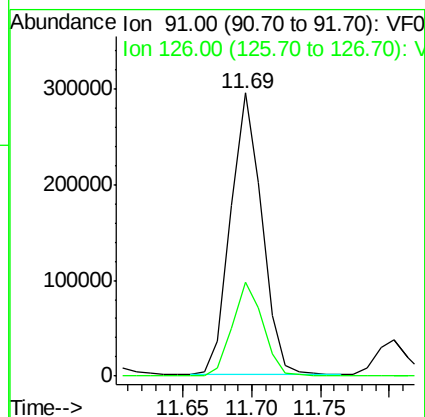
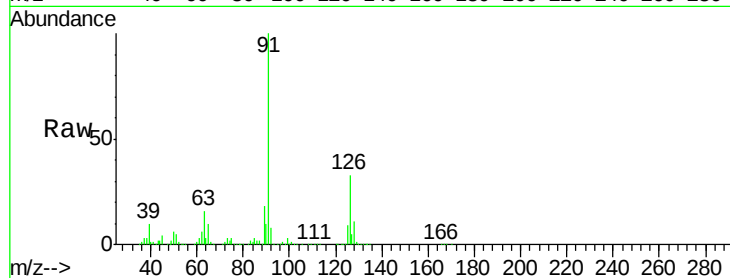
126 33.0 16.3 48.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 45.783 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. -0.02 min

Lab File: VF061272.D

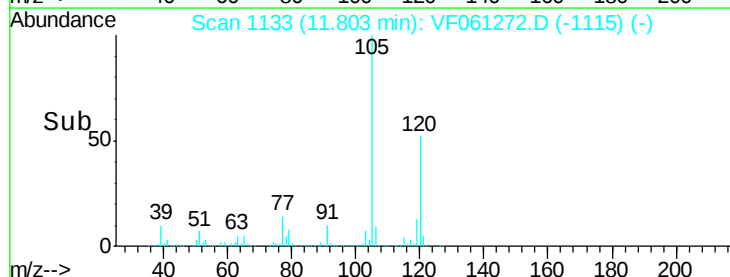
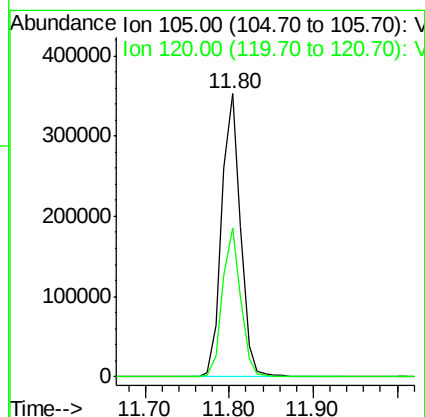
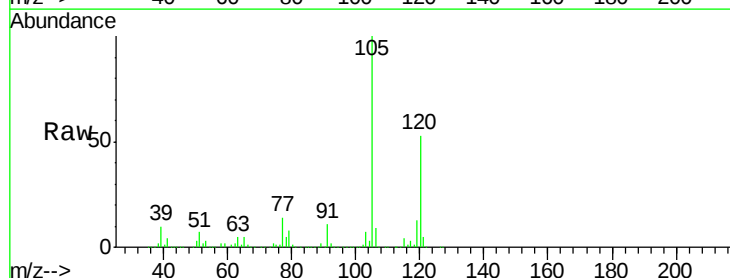
Acq: 7 Jan 2019 11:31

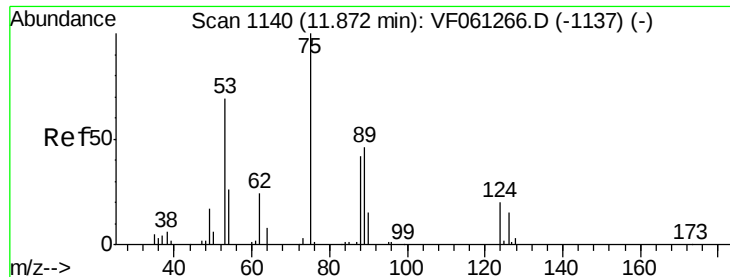
Tgt Ion: 105 Resp: 550459

Ion Ratio Lower Upper

105 100

120 52.6 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 42.645 ug/l m

RT: 11.84 min Scan# 1137

Delta R.T. -0.03 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 37745

Ion Ratio Lower Upper

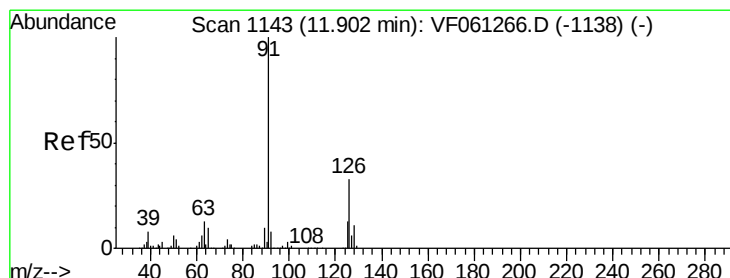
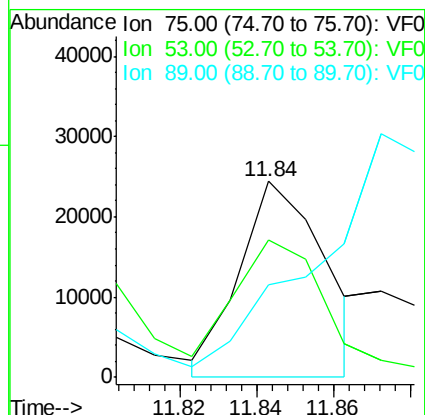
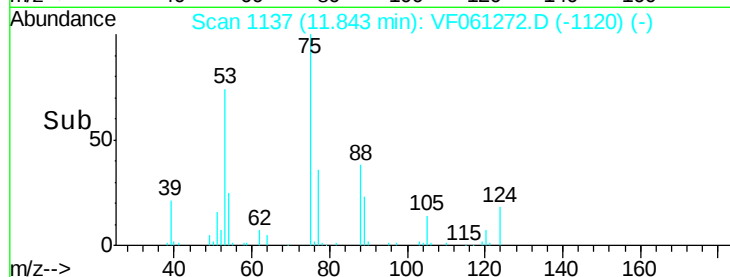
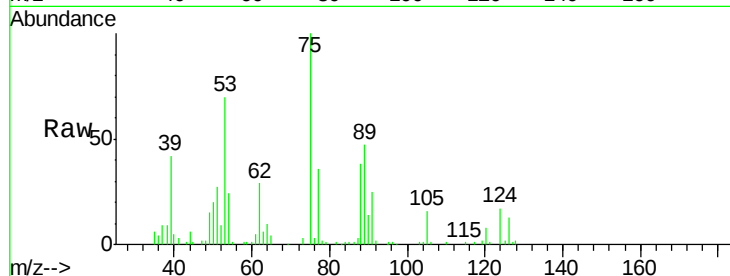
75 100

53 70.3 61.7 92.5

89 47.2 40.3 60.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 45.379 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. -0.03 min

Lab File: VF061272.D

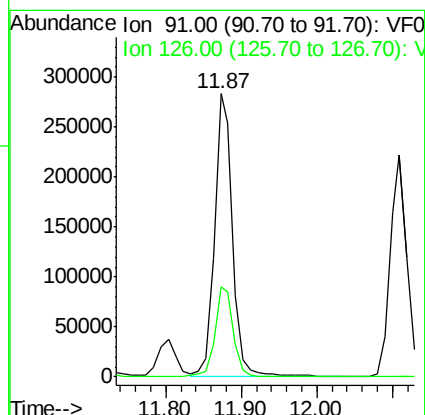
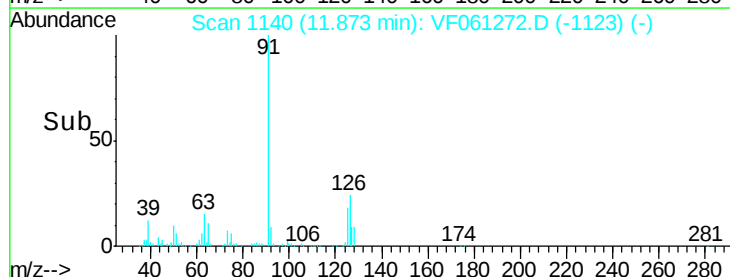
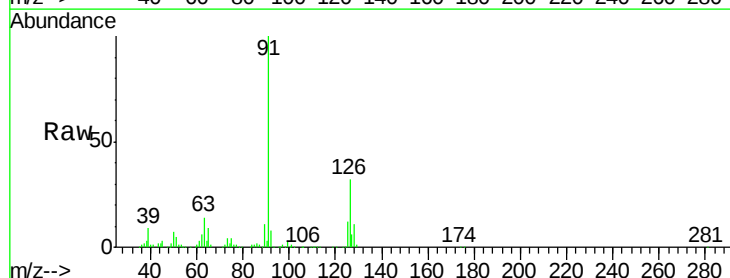
Acq: 7 Jan 2019 11:31

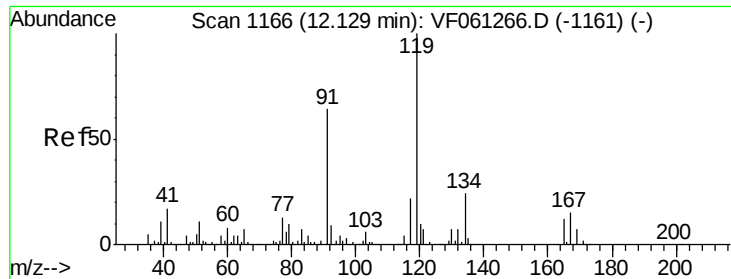
Tgt Ion: 91 Resp: 471626

Ion Ratio Lower Upper

91 100

126 32.0 16.3 48.8





#83

tert-Butylbenzene

Concen: 46.487 ug/l

RT: 12.11 min Scan# 1164

Delta R.T. -0.02 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

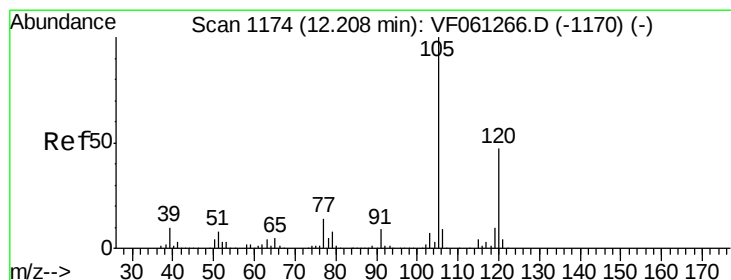
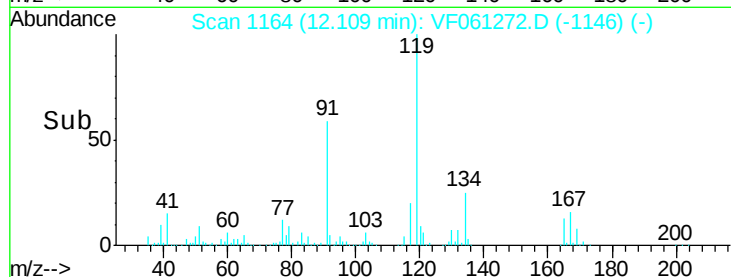
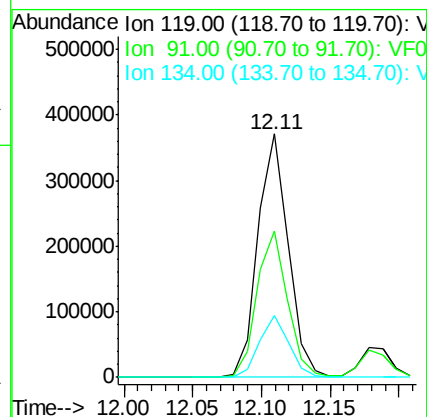
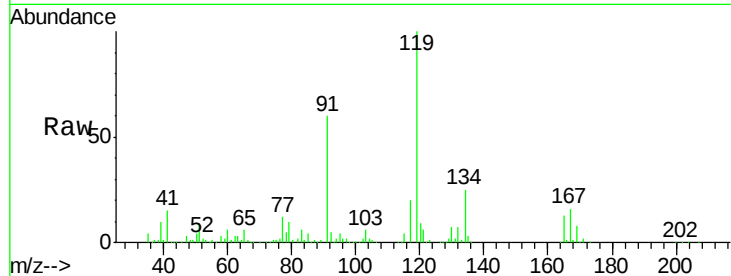
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	576284
Ion Ratio	Lower	Upper	
119	100		
91	60.0	32.0	96.0
134	25.3	12.1	36.3

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 47.920 ug/l

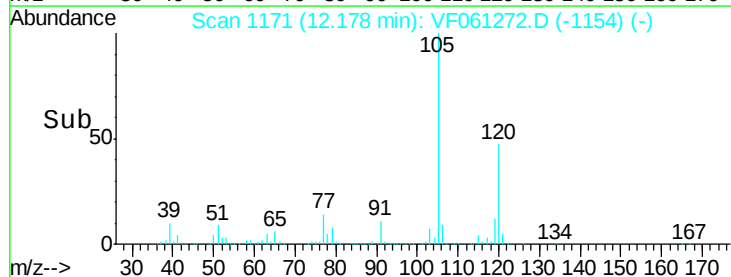
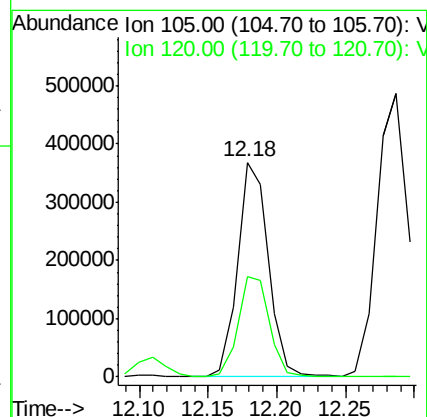
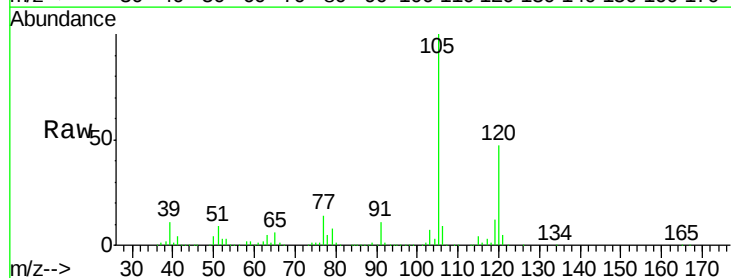
RT: 12.18 min Scan# 1171

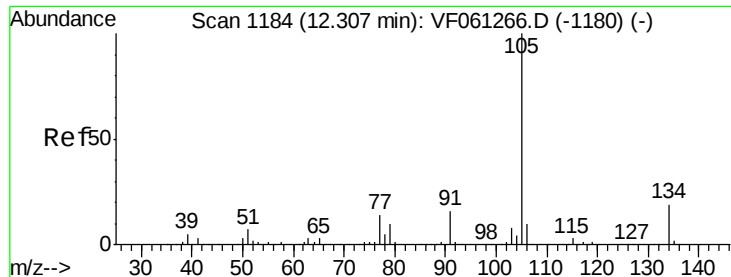
Delta R.T. -0.03 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Tgt Ion:	105	Resp:	573568
Ion Ratio	Lower	Upper	
105	100		
120	46.8	23.3	69.9





#85

sec-Butylbenzene

Concen: 46.226 ug/l

RT: 12.29 min Scan# 1182

Delta R.T. -0.02 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 777316

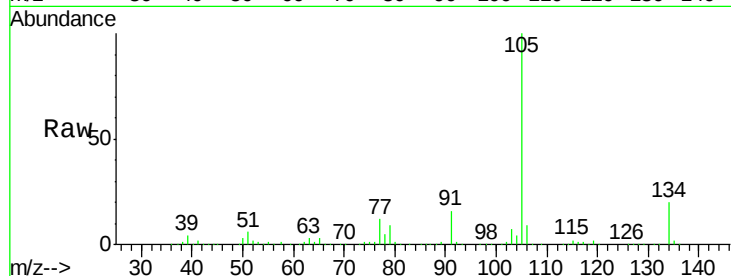
Ion Ratio Lower Upper

105 100

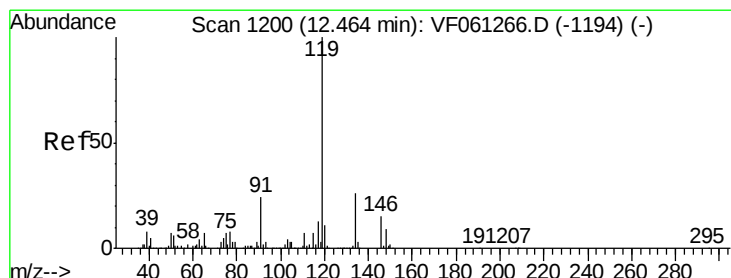
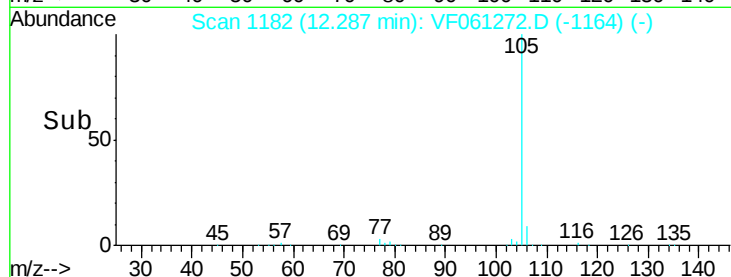
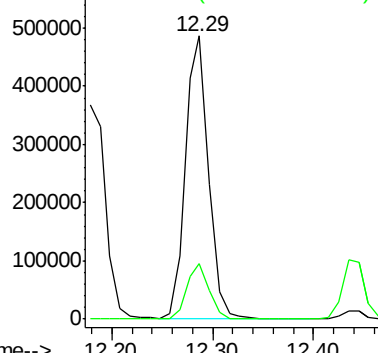
134 19.7 9.4 28.2

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 45.631 ug/l

RT: 12.43 min Scan# 1197

Delta R.T. -0.03 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

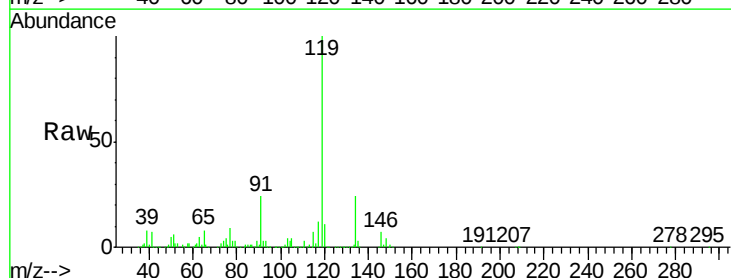
Tgt Ion:119 Resp: 632226

Ion Ratio Lower Upper

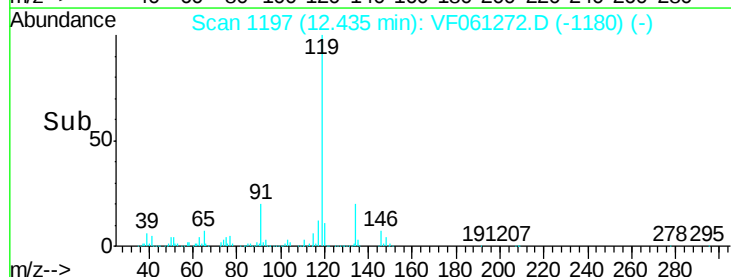
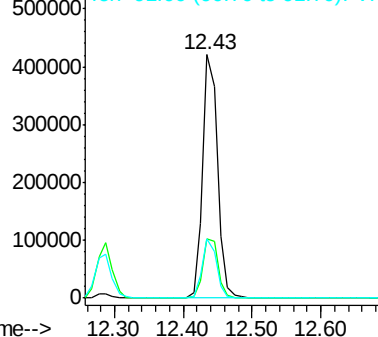
119 100

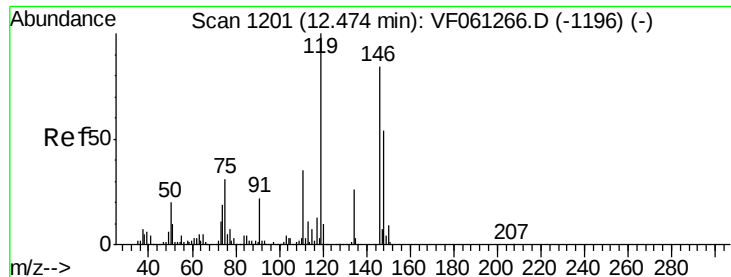
134 24.2 13.2 39.6

91 24.3 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): VF0





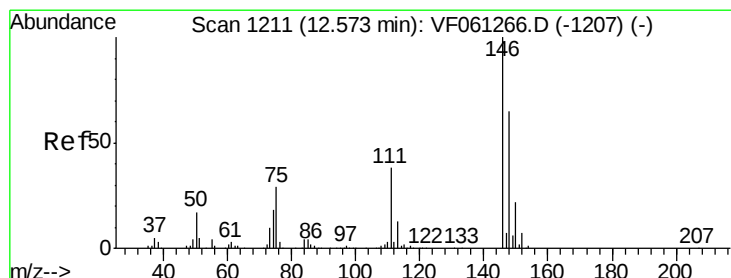
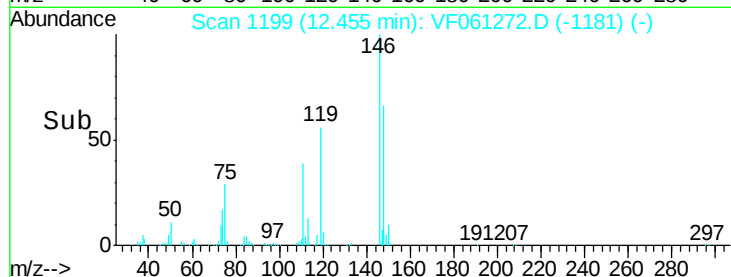
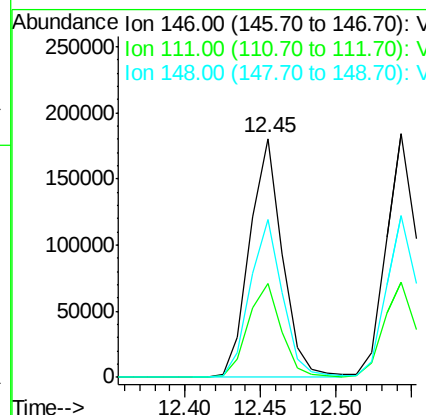
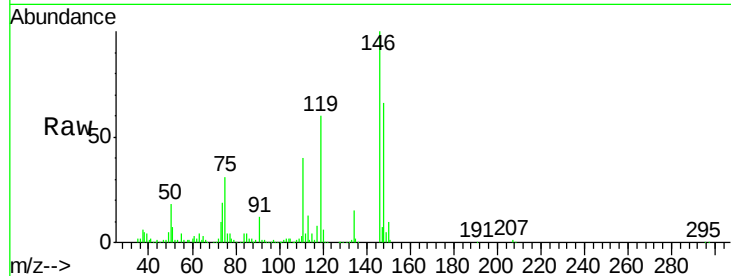
#87
 1,3-Dichlorobenzene
 Concen: 45.321 ug/l
 RT: 12.45 min Scan# 1199
 Delta R.T. -0.02 min
 Lab File: VF061272.D
 Acq: 7 Jan 2019 11:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.9	62.8
148	66.1	32.5	97.4

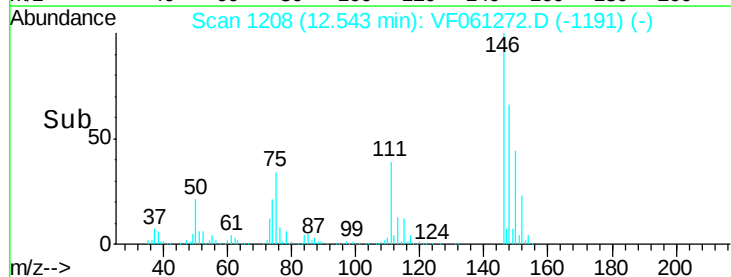
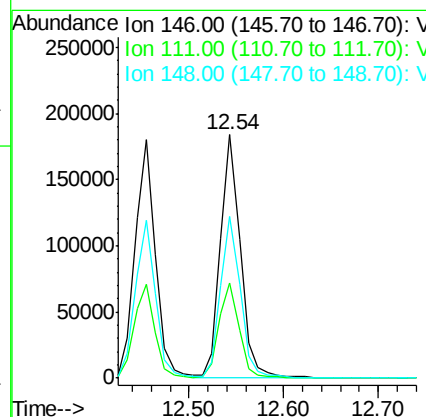
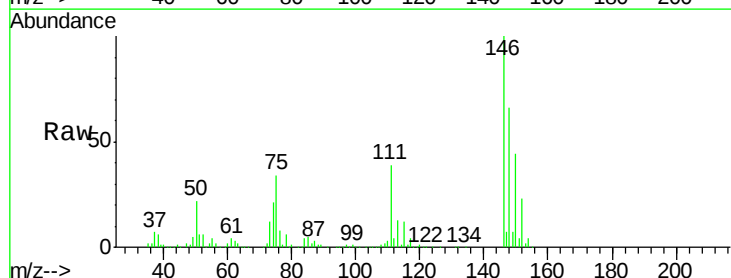
Manual Integrations
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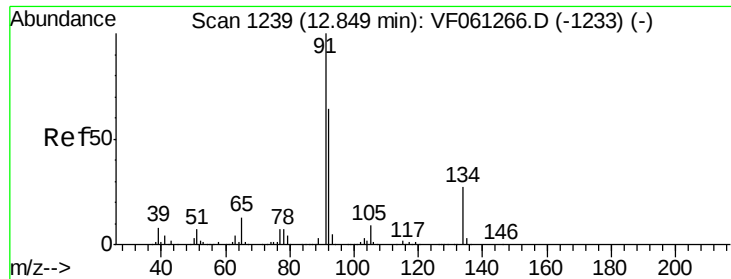
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#88
 1,4-Dichlorobenzene
 Concen: 46.079 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.03 min
 Lab File: VF061272.D
 Acq: 7 Jan 2019 11:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.3	57.9
148	66.3	32.6	98.0





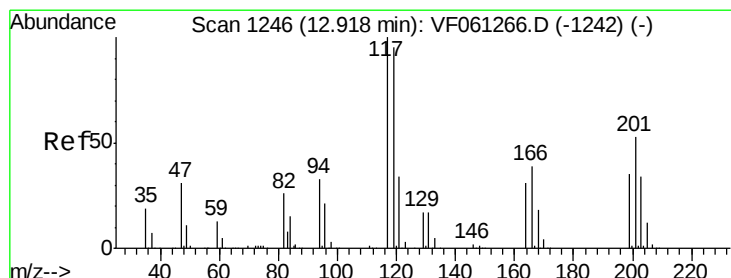
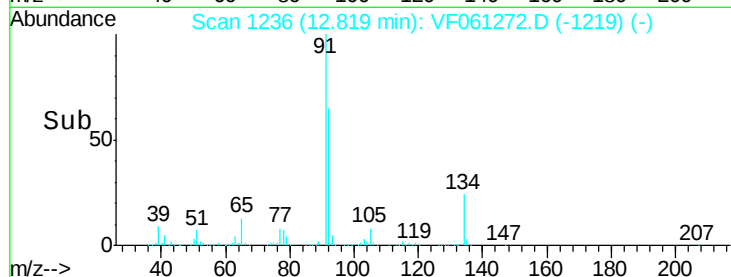
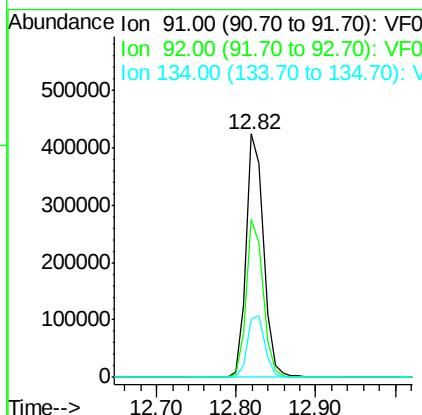
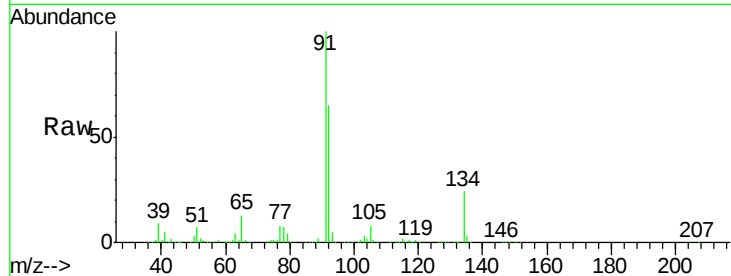
#89
n-Butylbenzene
Concen: 51.375 ug/l
RT: 12.82 min Scan# 1236
Delta R.T. -0.03 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	64.7	31.9	95.7
134	23.7	13.6	40.7

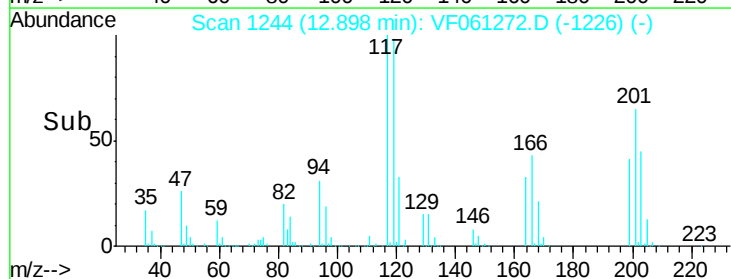
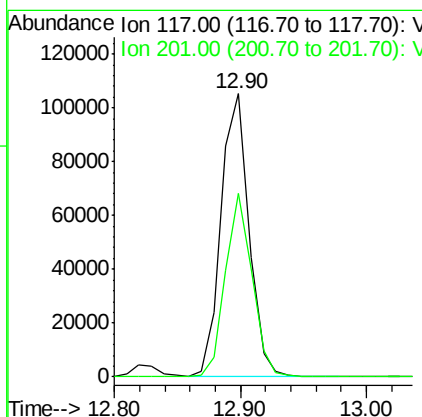
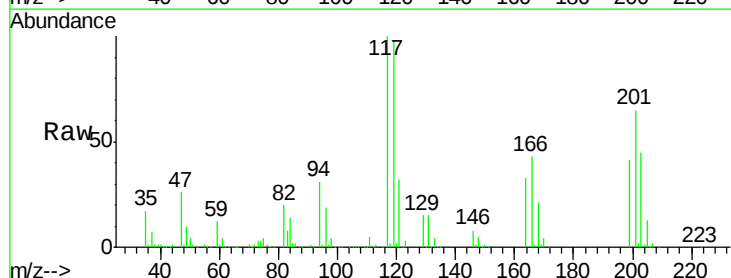
Manual Integrations
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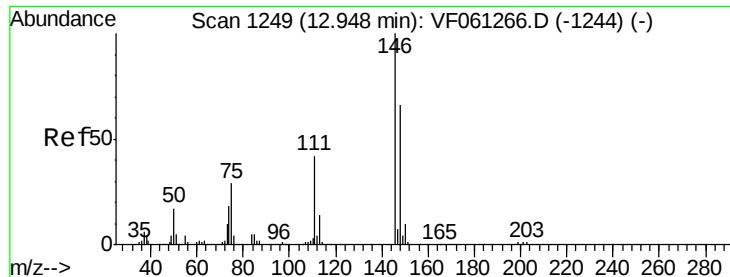
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#90
Hexachloroethane
Concen: 47.363 ug/l
RT: 12.90 min Scan# 1244
Delta R.T. -0.02 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.9	26.6	79.7





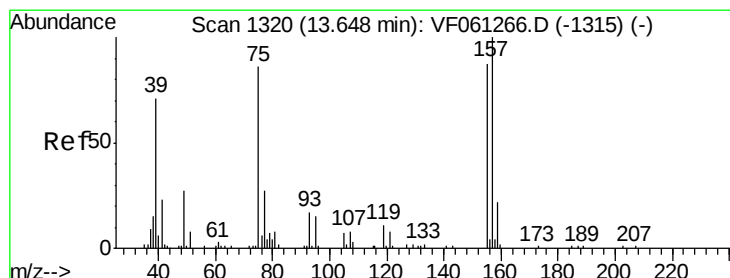
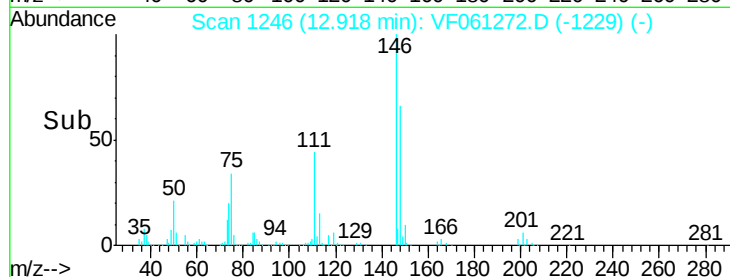
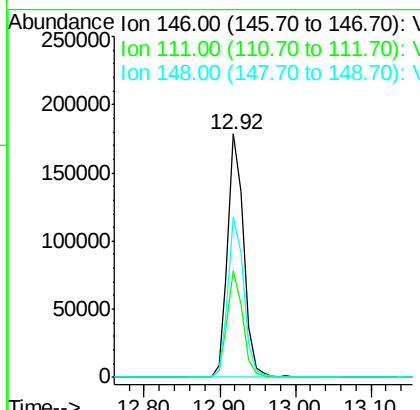
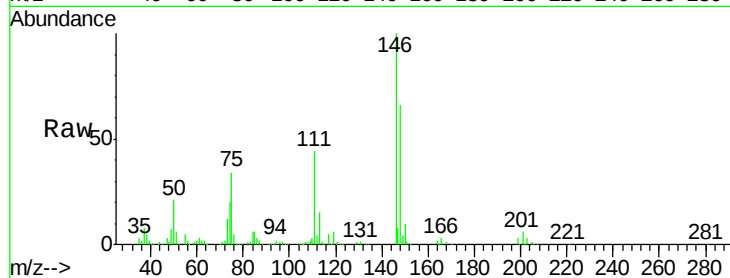
#91
 1,2-Dichlorobenzene
 Concen: 45.267 ug/l
 RT: 12.92 min Scan# 1246
 Delta R.T. -0.03 min
 Lab File: VF061272.D
 Acq: 7 Jan 2019 11:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:	146	Resp:	263815
Ion Ratio	Lower	Upper	
146	100		
111	43.9	21.1	63.4
148	66.0	32.8	98.4

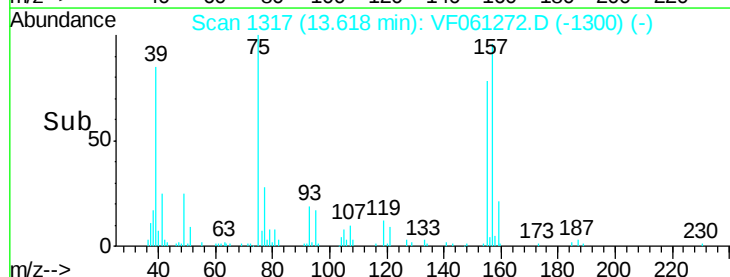
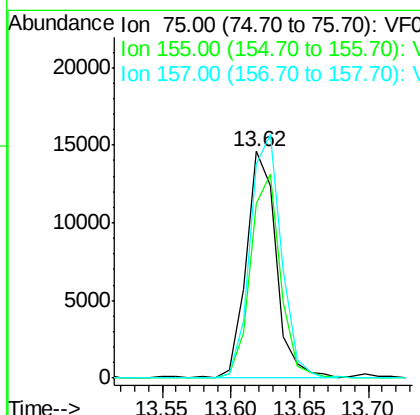
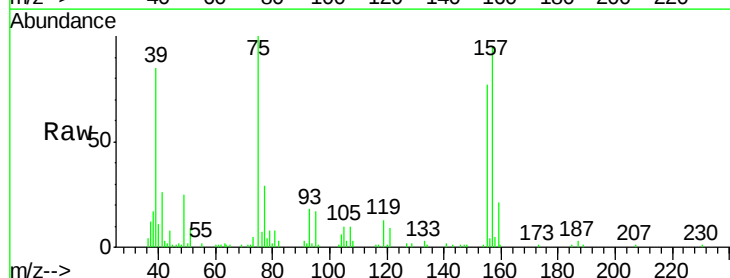
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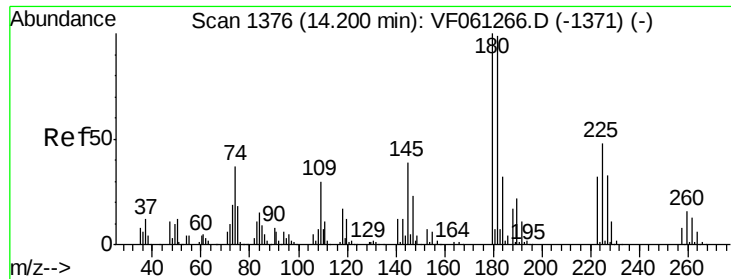
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.604 ug/l
 RT: 13.62 min Scan# 1317
 Delta R.T. -0.03 min
 Lab File: VF061272.D
 Acq: 7 Jan 2019 11:31

Tgt Ion:	75	Resp:	22254
Ion Ratio	Lower	Upper	
75	100		
155	76.8	50.6	151.8
157	94.6	58.0	173.9





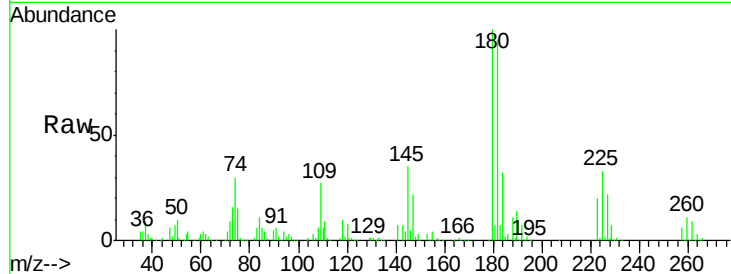
#93
 1,2,4-Trichlorobenzene
 Concen: 46.659 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.02 min
 Lab File: VF061272.D
 Acq: 7 Jan 2019 11:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

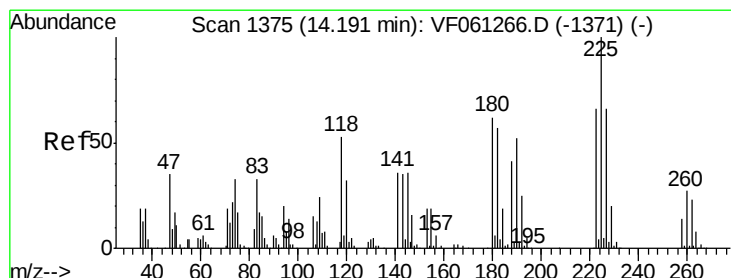
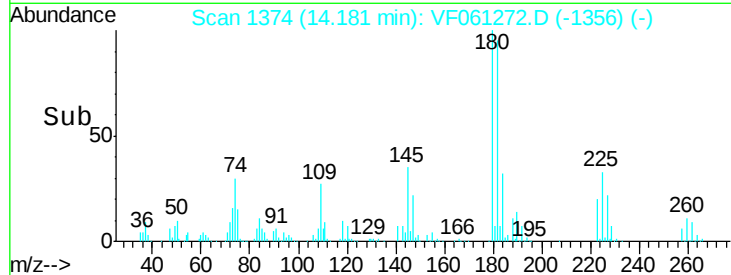
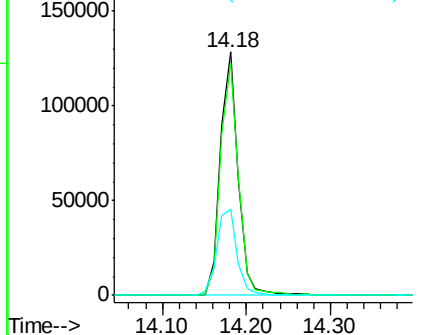
Tot Ion	Ratio	Resp	Lower	Upper
180	100	190412		
182	95.4	49.5	148.3	
145	35.4	19.7	59.0	

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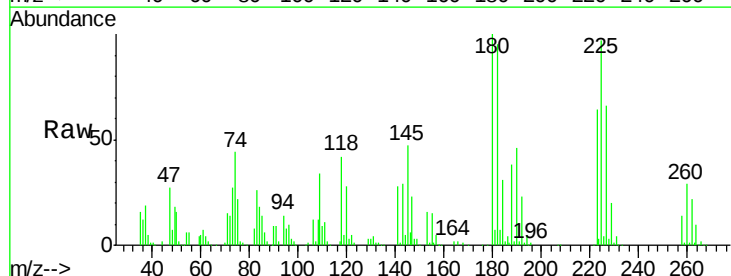


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

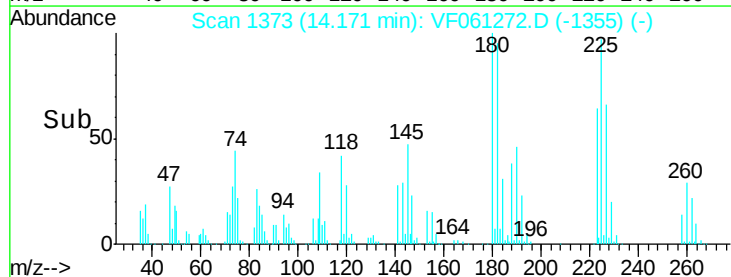
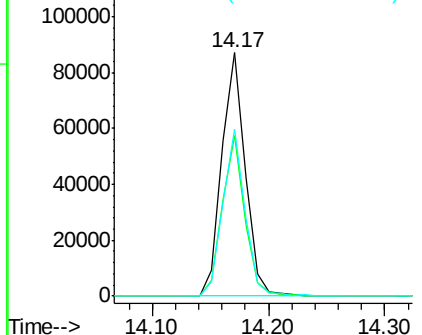


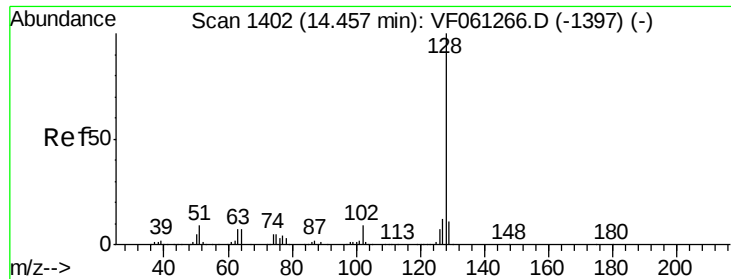
#94
 Hexachlorobutadiene
 Concen: 46.864 ug/l
 RT: 14.17 min Scan# 1373
 Delta R.T. -0.02 min
 Lab File: VF061272.D
 Acq: 7 Jan 2019 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	121852		
223	65.8	33.0	99.0	
227	68.4	32.8	98.4	



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





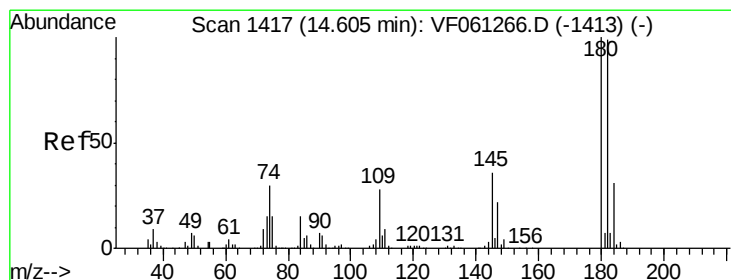
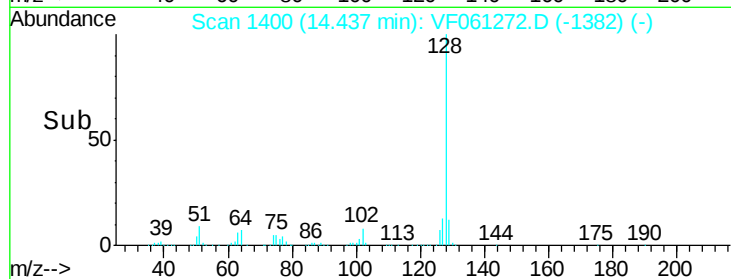
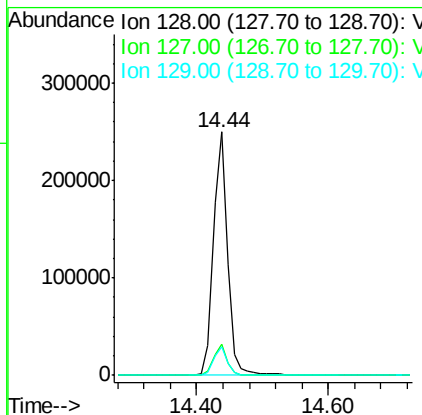
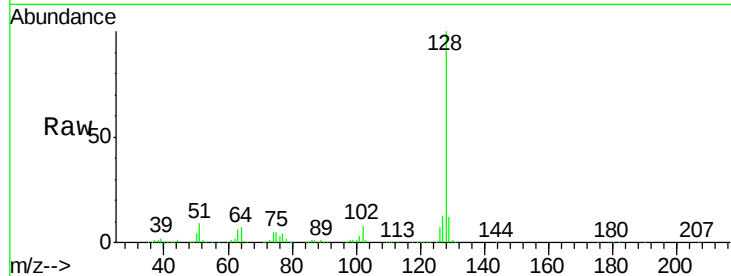
#95
Naphthalene
Concen: 48.240 ug/l
RT: 14.44 min Scan# 1400
Delta R.T. -0.02 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	9.8	14.6
129	11.6	9.0	13.4

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#96
1,2,3-Trichlorobenzene
Concen: 48.031 ug/l
RT: 14.59 min Scan# 1415
Delta R.T. -0.02 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	49.5	148.5
145	33.7	18.0	54.0

