

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052819\
 Data File : VF062753.D
 Acq On : 28 May 2019 10:52
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 11:01:51 AM

Quant Time: May 29 01:54:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	881227	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1459194	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	1166327	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	549253	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	275207	44.19	ug/l	0.00
Spiked Amount			Recovery	=	88.38%	
35) Dibromofluoromethane	4.32	113	491780	44.04	ug/l	0.00
Spiked Amount			Recovery	=	88.08%	
50) Toluene-d8	7.72	98	1243052	46.63	ug/l	0.00
Spiked Amount			Recovery	=	93.26%	
62) 4-Bromofluorobenzene	11.50	95	460039	45.50	ug/l	0.00
Spiked Amount			Recovery	=	91.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	492454	41.065	ug/l	95
3) Chloromethane	1.15	50	472620	42.801	ug/l	99
4) Vinyl Chloride	1.19	62	455745	44.838	ug/l	98
5) Bromomethane	1.40	94	273853	49.250	ug/l	98
6) Chloroethane	1.46	64	167363	44.834	ug/l	94
7) Trichlorofluoromethane	1.56	101	649502	47.591	ug/l	98
8) Diethyl Ether	1.72	74	137751	50.949	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.92	101	393279	45.255	ug/l	95
10) Methyl Iodide	1.99	142	824199m	48.280	ug/l	
11) Tert butyl alcohol	2.70	59	107865	262.366	ug/l	97
12) 1,1-Dichloroethene	1.87	96	361322	45.643	ug/l	97
13) Acrolein	2.10	56	105421	245.648	ug/l	99
14) Allyl chloride	2.21	41	386317m	53.920	ug/l	
15) Acrylonitrile	3.10	53	519122	447.631	ug/l #	94
16) Acetone	2.35	43	460178	284.846	ug/l	91
17) Carbon Disulfide	1.92	76	1040702	44.354	ug/l	98
18) Methyl Acetate	2.46	43	135148	53.235	ug/l	95
19) Methyl tert-butyl Ether	2.55	73	779095	55.053	ug/l	98
20) Methylene Chloride	2.30	84	365837m	45.178	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	376237	48.625	ug/l	99
22) Diisopropyl ether	2.94	45	878493	49.714	ug/l	100
23) Vinyl Acetate	3.35	43	3085685	258.860	ug/l	96
24) 1,1-Dichloroethane	3.02	63	672344	51.865	ug/l	100
25) 2-Butanone	4.53	43	923611	267.591	ug/l	96
26) 2,2-Dichloropropane	3.79	77	421023	56.763	ug/l	94
27) cis-1,2-Dichloroethene	3.66	96	661378	51.964	ug/l	94
28) Bromochloromethane	3.91	49	334833	46.054	ug/l	90
29) Tetrahydrofuran	4.27	42	344284	246.492	ug/l	93
30) Chloroform	4.06	83	907314	50.411	ug/l	100
31) Cyclohexane	3.88	56	846983	48.661	ug/l	99
32) 1,1,1-Trichloroethane	4.30	97	586248	49.046	ug/l	96
36) 1,1-Dichloropropene	4.49	75	724632	48.463	ug/l	99
37) Ethyl Acetate	4.32	43	309584	50.710	ug/l #	75
38) Carbon Tetrachloride	4.20	117	527266	46.888	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	976093	54.254	ug/l	96
40) Benzene	4.83	78	2095916	51.454	ug/l	99
41) Methacrylonitrile	4.94	41	166201	51.927	ug/l	96
42) 1,2-Dichloroethane	5.14	62	409298	50.388	ug/l	93
43) Isopropyl Acetate	7.13	43	410138	51.855	ug/l #	89
44) Trichloroethene	5.70	130	624419	54.542	ug/l	91
45) 1,2-Dichloropropane	6.42	63	540634	52.577	ug/l	100
46) Dibromomethane	6.27	93	328968	55.357	ug/l	99
47) Bromodichloromethane	6.57	83	686492	55.645	ug/l	99
48) Methyl methacrylate	6.88	41	216939	52.476	ug/l	93
49) 1,4-Dioxane	6.88	88	53787	1015.835	ug/l #	84
51) 4-Methyl-2-Pentanone	8.41	43	1482189	274.160	ug/l	98
52) Toluene	7.79	92	1148620	53.767	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	573498	56.821	ug/l	94
54) cis-1,3-Dichloropropene	7.47	75	814768	57.668	ug/l	97
55) 1,1,2-Trichloroethane	8.65	97	371473	58.729	ug/l	96
56) Ethyl methacrylate	8.76	69	413982	54.936	ug/l	95
57) 1,3-Dichloropropane	9.00	76	609281	56.552	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.45	63	686575	279.906	ug/l	95
59) 2-Hexanone	9.63	43	1128518	326.277	ug/l	93
60) Dibromochloromethane	8.87	129	498621	60.484	ug/l	100
61) 1,2-Dibromoethane	9.14	107	390193	58.079	ug/l	98
64) Tetrachloroethene	8.31	164	493669	53.428	ug/l	98
65) Chlorobenzene	9.95	112	1233201	53.833	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	497635	54.113	ug/l	99
67) Ethyl Benzene	10.04	91	2014349	50.617	ug/l	99
68) m/p-Xylenes	10.26	106	1551886	103.756	ug/l	99
69) o-Xylene	10.82	106	838808	54.447	ug/l	95
70) Styrene	10.89	104	1224714	52.303	ug/l	99
71) Bromoform	10.88	173	278411	60.448	ug/l	100
73) Isopropylbenzene	11.22	105	2134480	54.222	ug/l	100
74) N-amyl acetate	11.45	43	619415	63.274	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.77	83	449449	55.867	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	291849	55.211	ug/l	86
77) Bromobenzene	11.58	156	530587	54.224	ug/l	97
78) n-propylbenzene	11.68	91	2345220	50.339	ug/l	99
79) 2-Chlorotoluene	11.80	91	1369173	52.148	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	1676522	53.113	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	146052m	62.158	ug/l	
82) 4-Chlorotoluene	11.98	91	1391165	53.731	ug/l	100
83) tert-Butylbenzene	12.20	119	1674581	52.290	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	1618028	52.961	ug/l	98
85) sec-Butylbenzene	12.37	105	2251560	52.389	ug/l	99
86) p-Isopropyltoluene	12.52	119	1866559	51.535	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	921758	52.067	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	853318	51.364	ug/l	99
89) n-Butylbenzene	12.90	91	1752074	49.063	ug/l	99
90) Hexachloroethane	12.97	117	479931	55.237	ug/l	97
91) 1,2-Dichlorobenzene	13.00	146	835548	52.948	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	58354	60.802	ug/l	95

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ClientSampleId :
VSTDCCC050

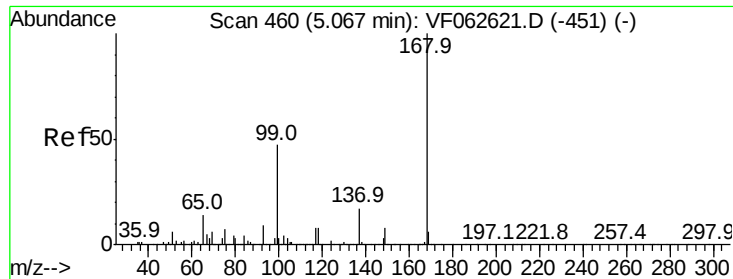
Manual Integrations
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Quant Time: May 29 01:54:42 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	613564	54.318	ug/l	100
94) Hexachlorobutadiene	14.23	225	409221	51.912	ug/l	95
95) Naphthalene	14.49	128	1118307	54.496	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	572622	53.519	ug/l	98

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



#1

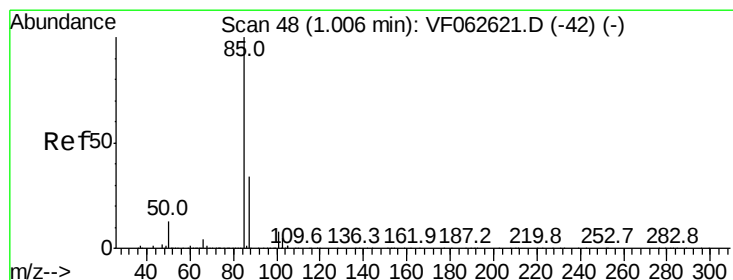
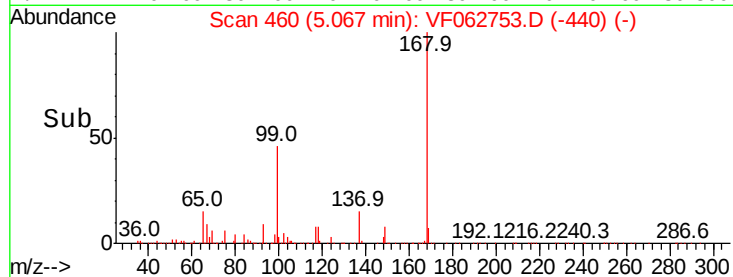
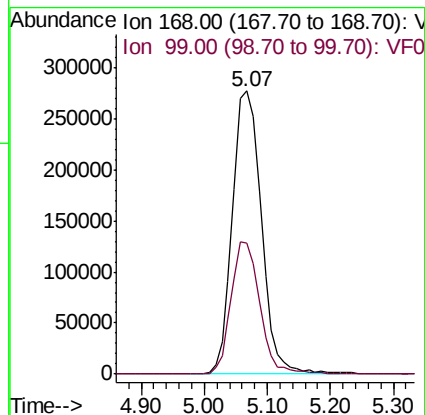
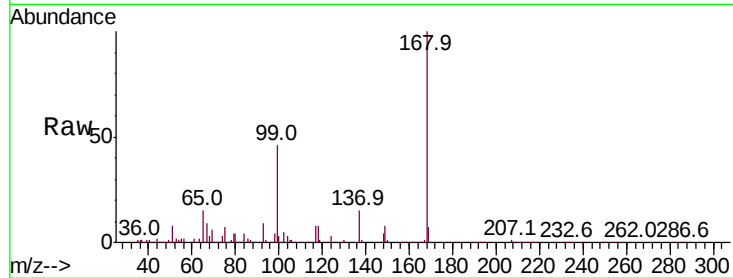
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.07 min Scan# 460
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	46.3	37.8	56.8

Manual Integrations
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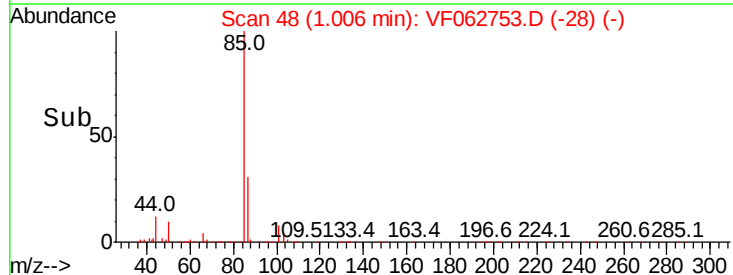
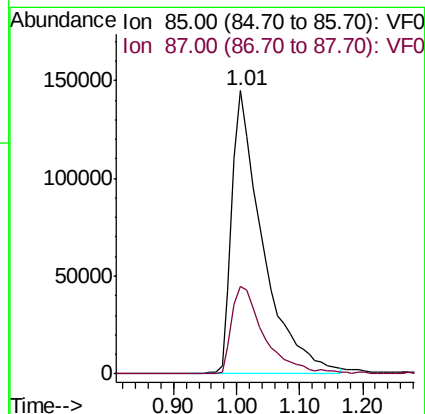
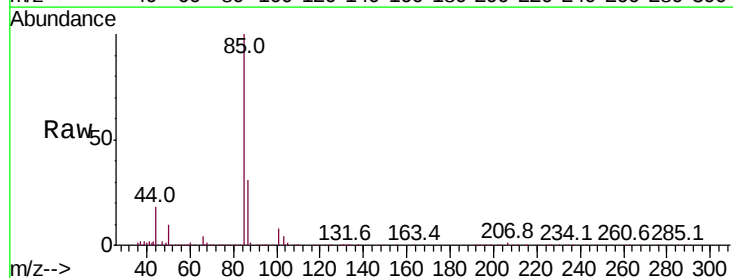
MMDadoda
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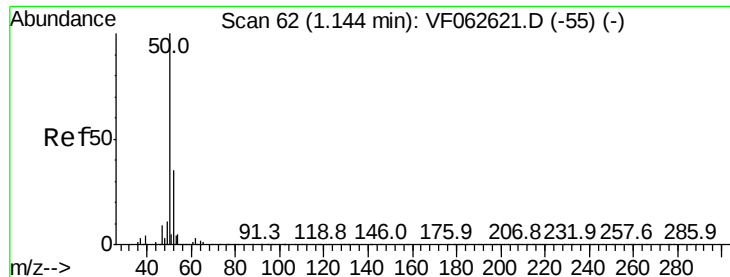


#2

Dichlorodifluoromethane
Concen: 41.065 ug/l
RT: 1.01 min Scan# 48
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.8	16.8	50.3





#3

Chloromethane

Concen: 42.801 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 472620

Ion Ratio Lower Upper

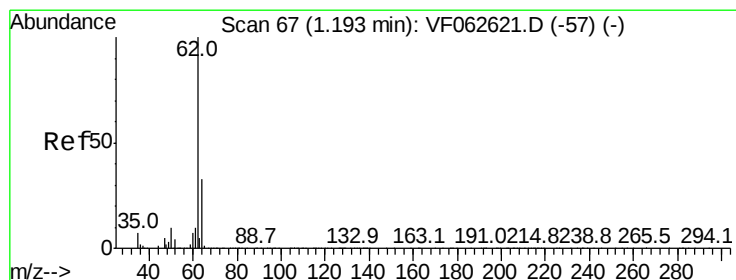
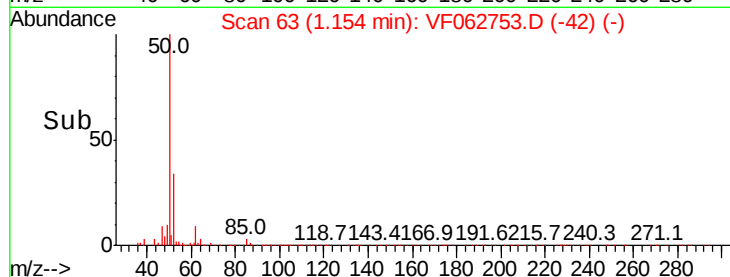
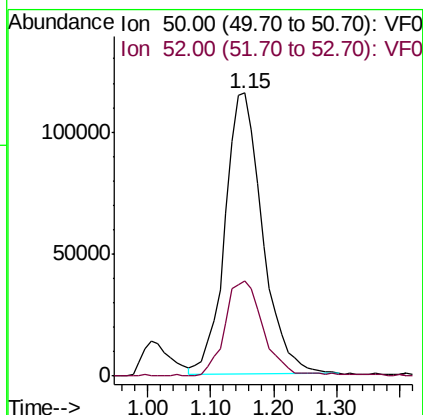
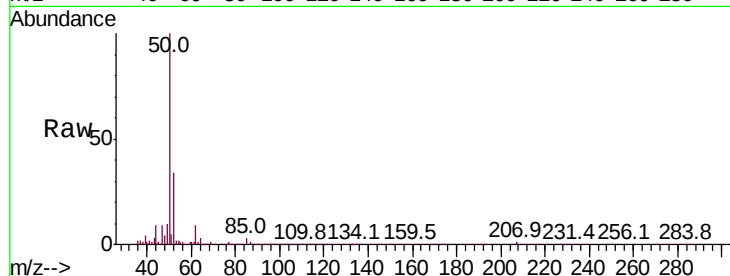
50 100

52 33.7 27.5 41.3

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#4

Vinyl Chloride

Concen: 44.838 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062753.D

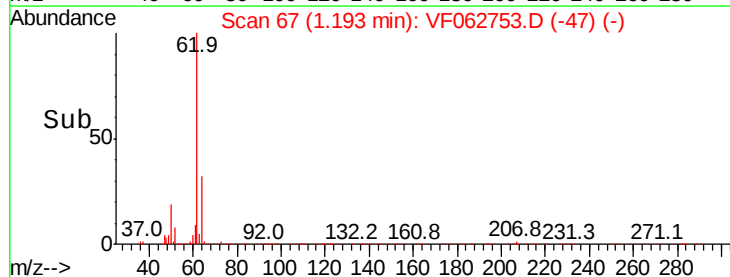
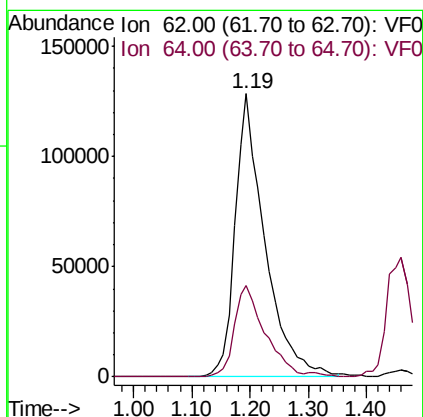
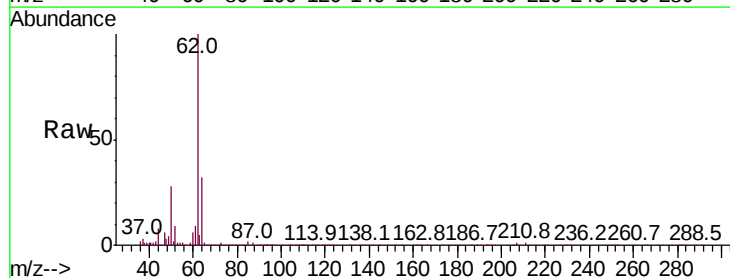
Acq: 28 May 2019 10:52

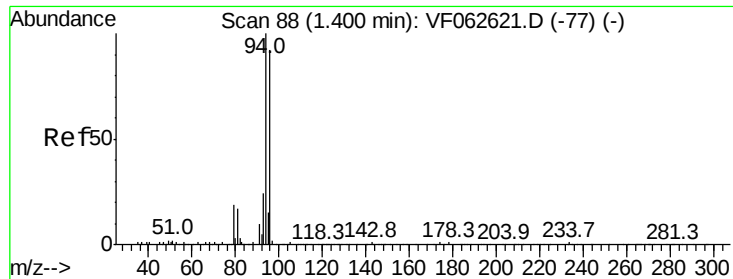
Tgt Ion: 62 Resp: 455745

Ion Ratio Lower Upper

62 100

64 32.4 26.7 40.1





#5

Bromomethane

Concen: 49.250 ug/l

RT: 1.40 min Scan# 88

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 273853

Ion Ratio Lower Upper

94 100

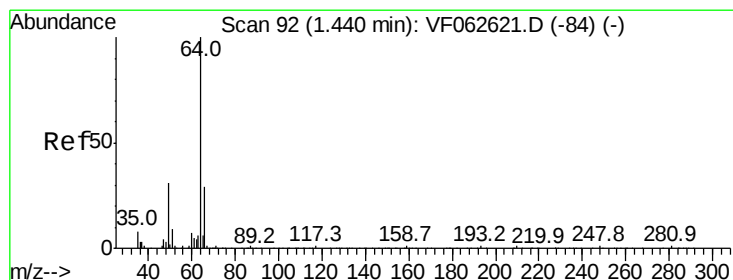
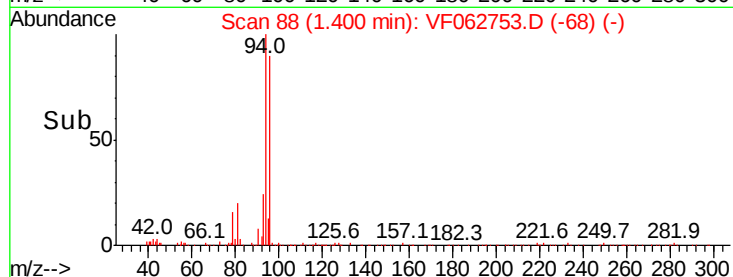
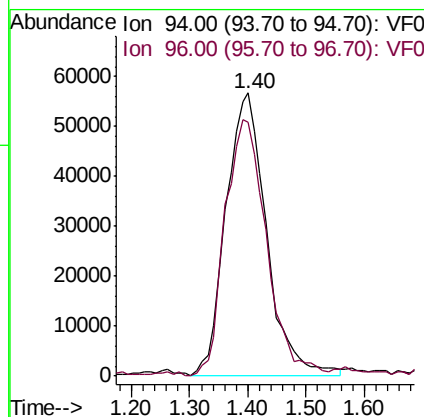
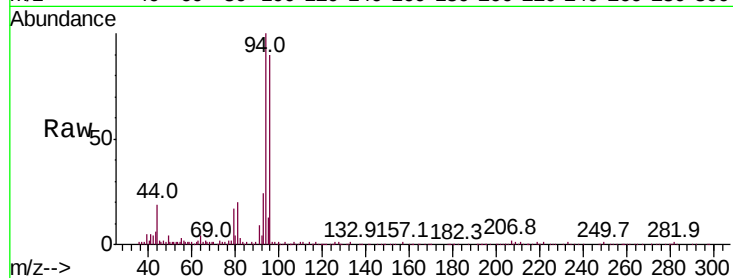
96 89.7 73.2 109.8

Manual Integrations

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#6

Chloroethane

Concen: 44.834 ug/l

RT: 1.46 min Scan# 94

Delta R.T. 0.02 min

Lab File: VF062753.D

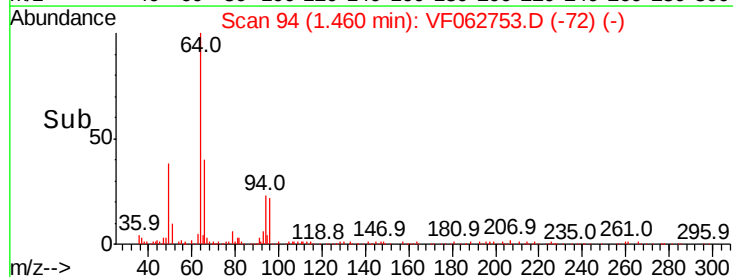
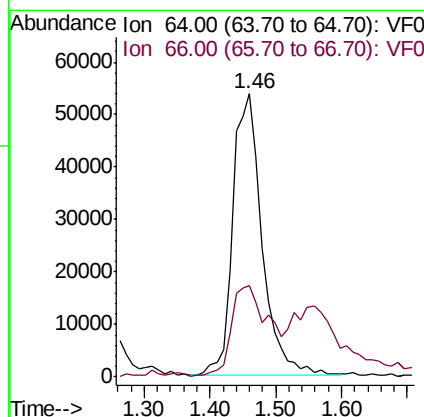
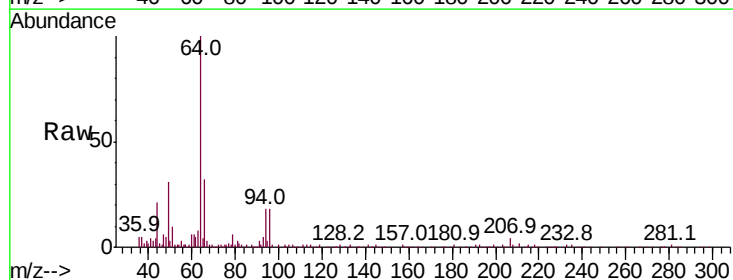
Acq: 28 May 2019 10:52

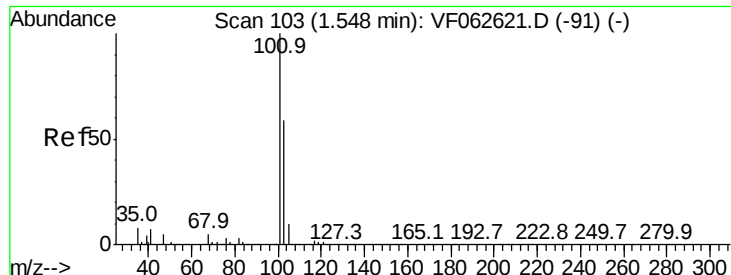
Tgt Ion: 64 Resp: 167363

Ion Ratio Lower Upper

64 100

66 32.3 23.4 35.2





#7

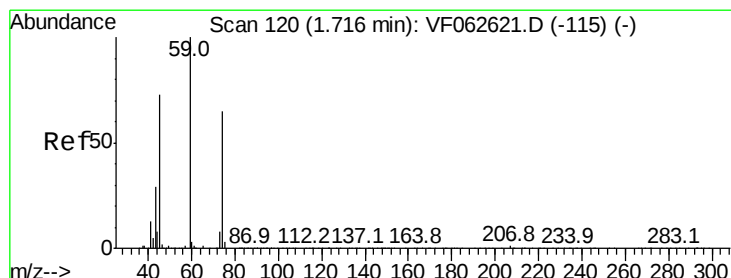
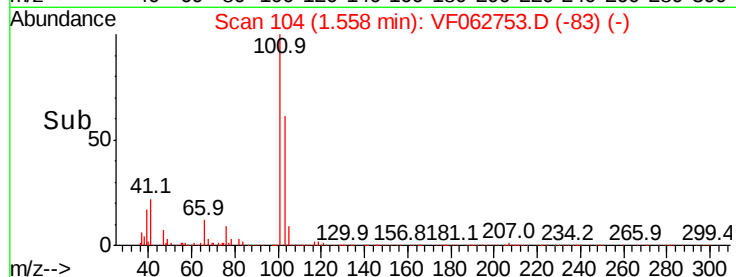
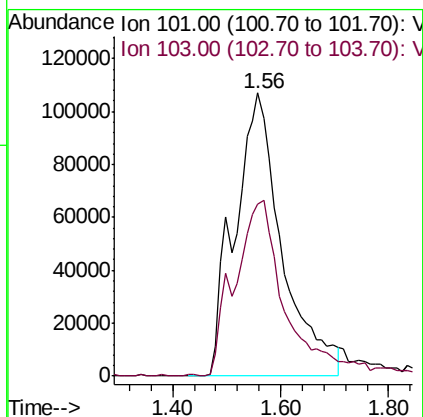
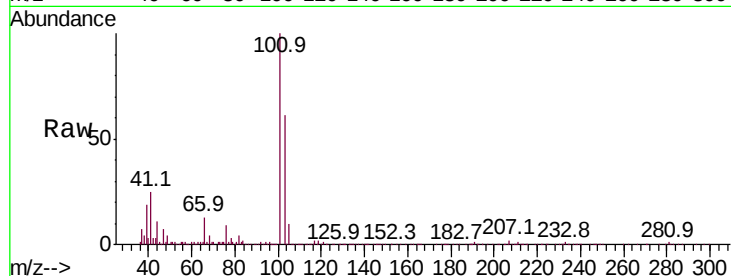
Trichlorofluoromethane
Concen: 47.591 ug/l
RT: 1.56 min Scan# 104
Delta R.T. 0.01 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.9	47.3	70.9

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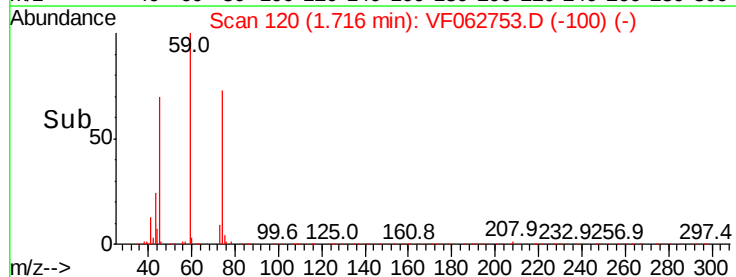
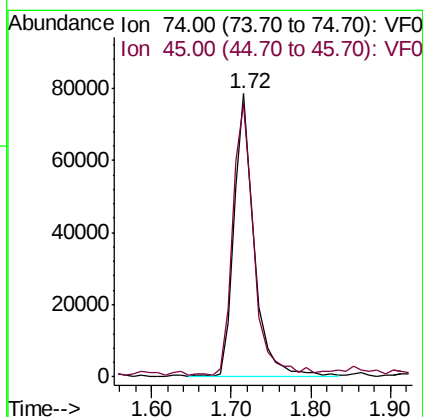
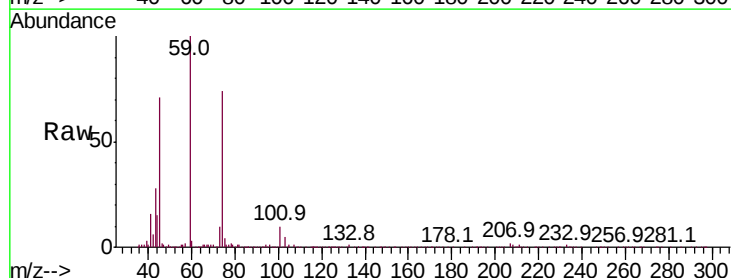
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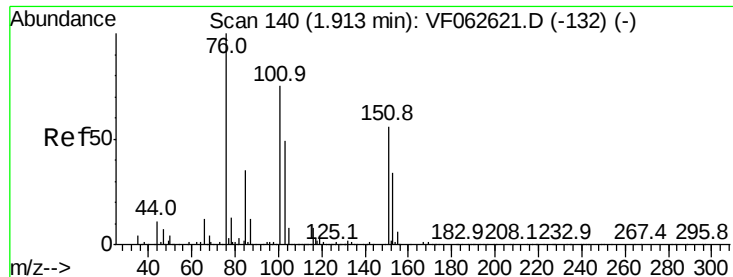


#8

Diethyl Ether
Concen: 50.949 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.5	57.0	170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.255 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

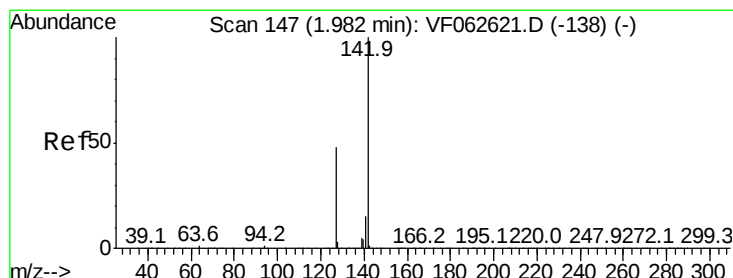
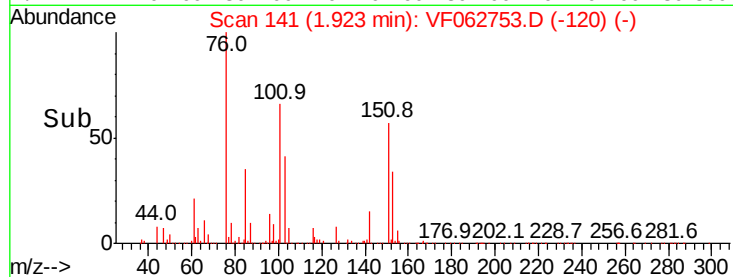
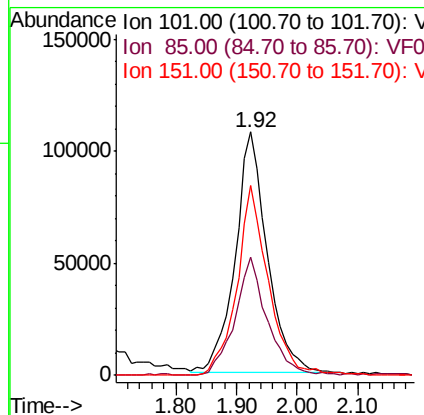
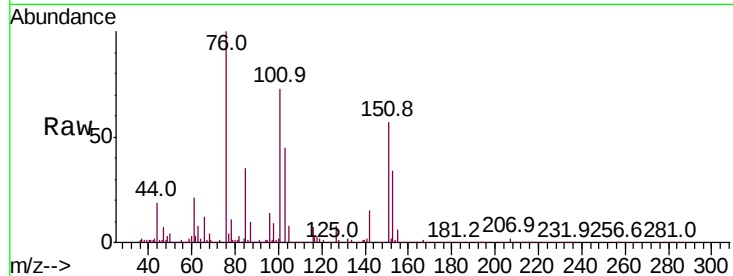
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	393279
Ion Ratio	Lower	Upper	
101	100		
85	48.3	37.1	55.7
151	78.2	58.8	88.2

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#10

Methyl Iodide

Concen: 48.280 ug/l m

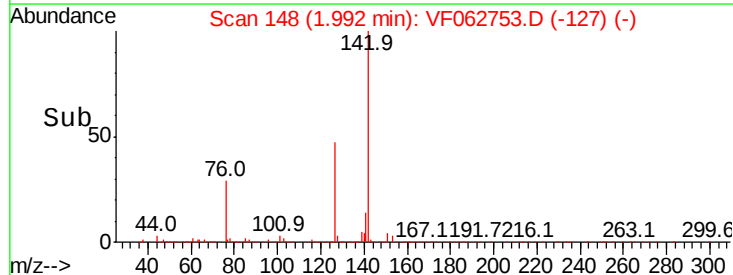
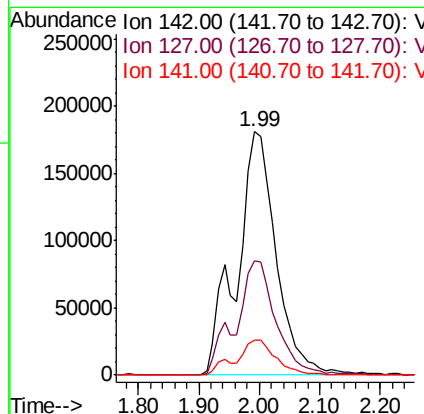
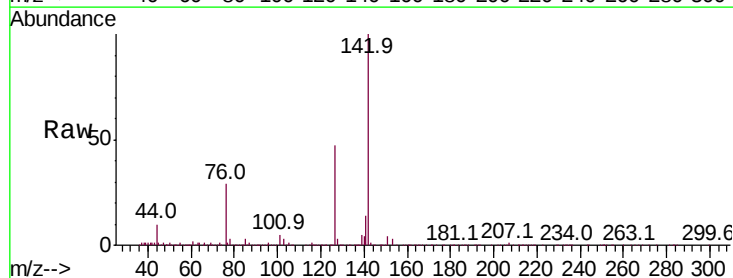
RT: 1.99 min Scan# 148

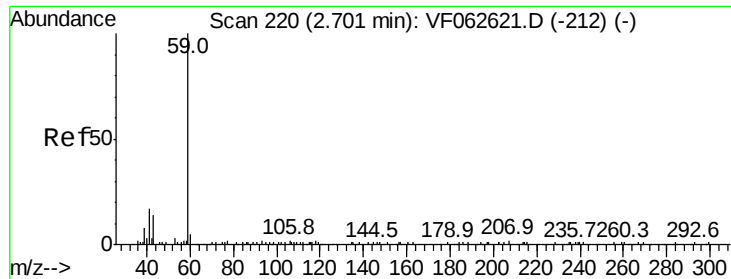
Delta R.T. 0.01 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Tgt Ion:	142	Resp:	824199
Ion Ratio	Lower	Upper	
142	100		
127	47.0	38.1	57.1
141	14.2	11.7	17.5





#11

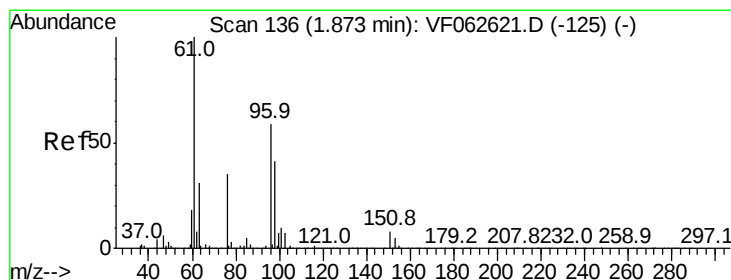
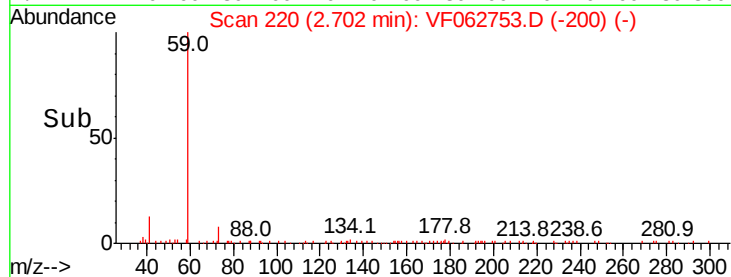
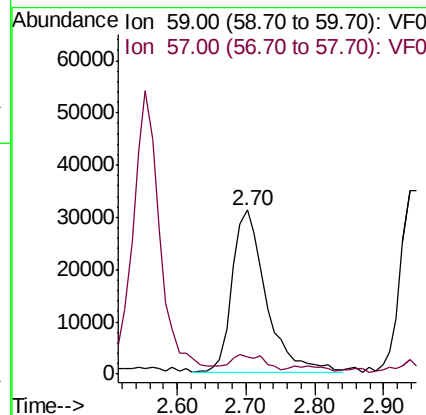
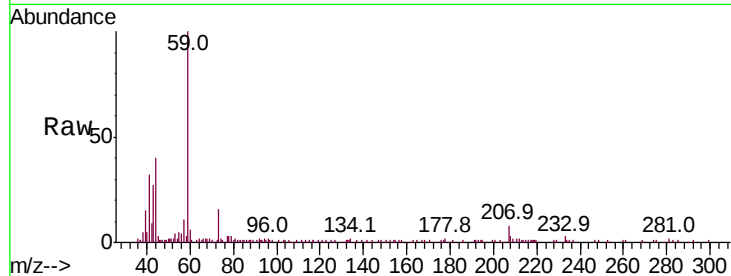
Tert butyl alcohol
 Concen: 262.366 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VF062753.D
 Acq: 28 May 2019 10:52

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.6	9.3	13.9

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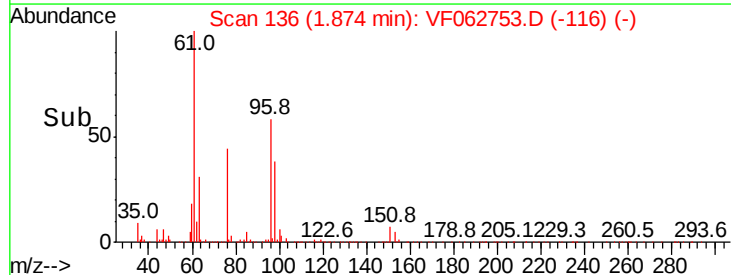
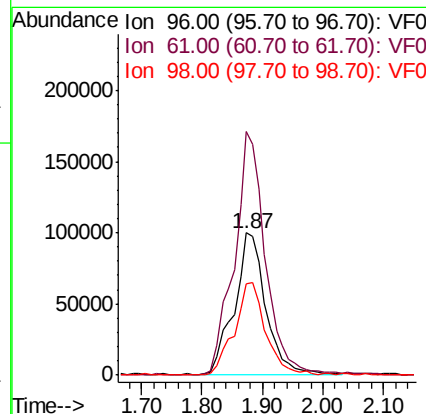
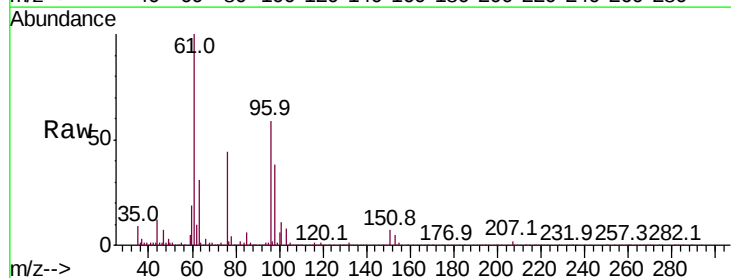
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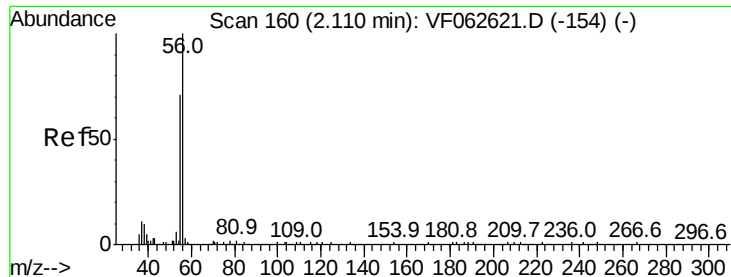


#12

1,1-Dichloroethene
 Concen: 45.643 ug/l
 RT: 1.87 min Scan# 136
 Delta R.T. 0.00 min
 Lab File: VF062753.D
 Acq: 28 May 2019 10:52

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	170.9	134.3	201.5
98	98	64.5	55.0	82.6





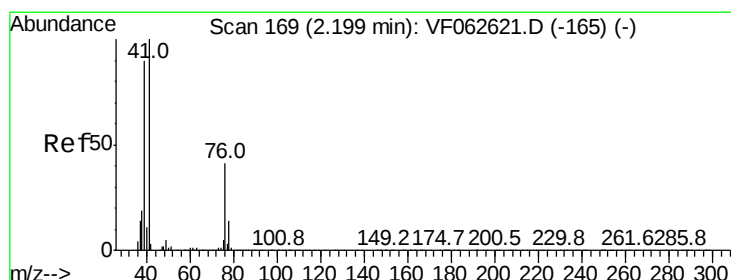
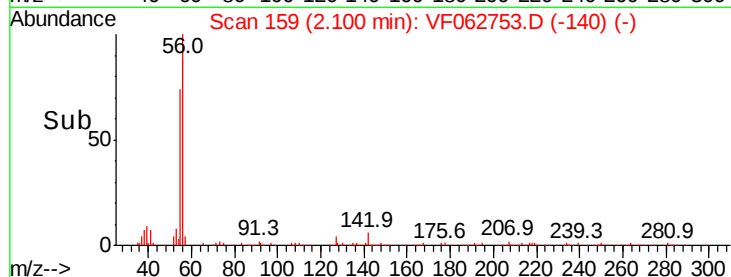
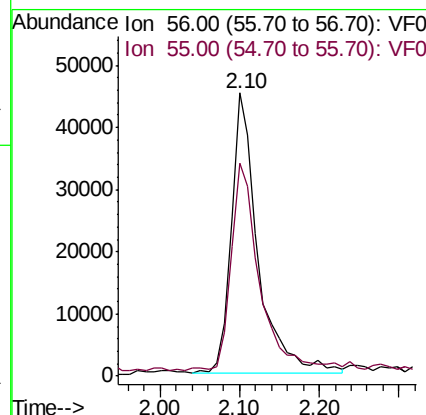
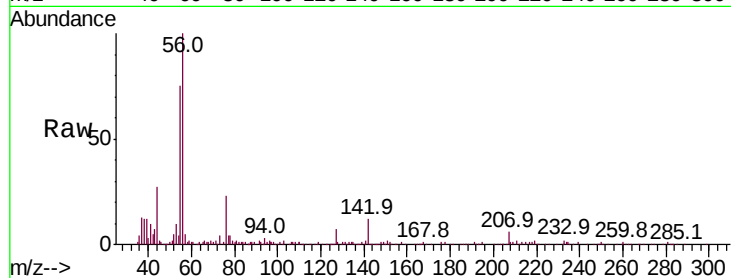
#13
Acrolein
Concen: 245.648 ug/l
RT: 2.10 min Scan# 159
Delta R.T. -0.01 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	75.3	59.4	89.0

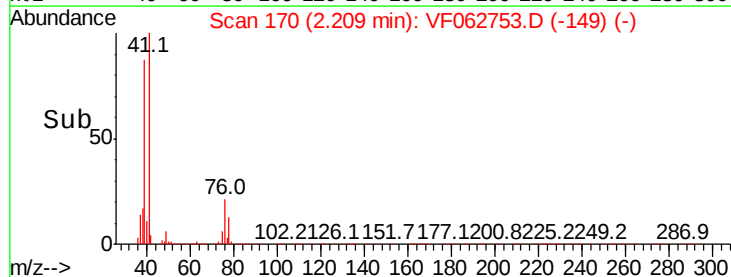
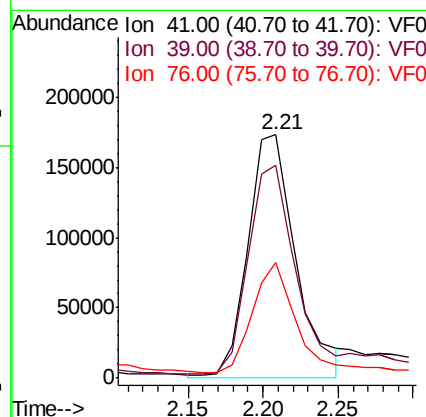
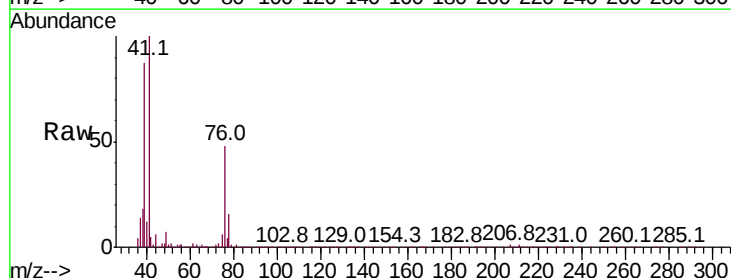
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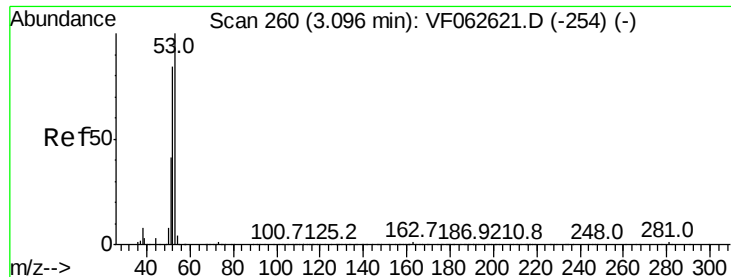
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#14
Allyl chloride
Concen: 53.920 ug/l m
RT: 2.21 min Scan# 170
Delta R.T. 0.01 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Tgt Ion	Ratio	Lower	Upper
41	100		
39	87.3	72.0	108.0
76	47.5	34.8	52.2





#15

Acrylonitrile

Concen: 447.631 ug/l

RT: 3.10 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

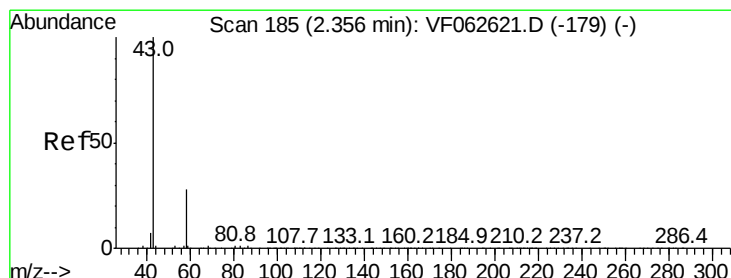
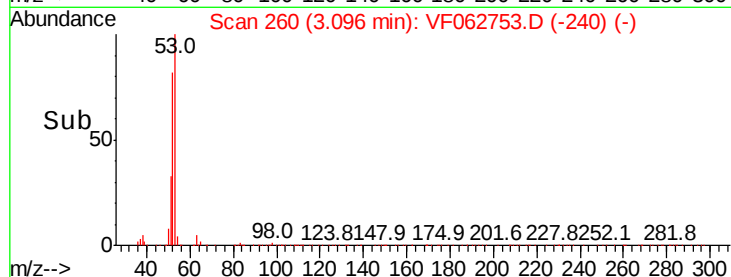
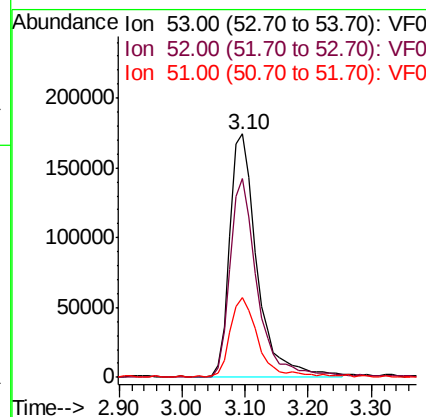
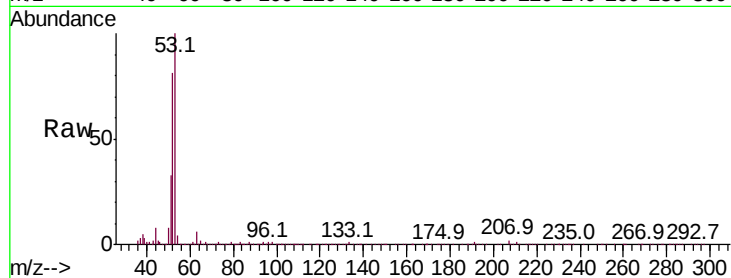
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	519122
Ion Ratio	Lower	Upper	
53	100		
52	81.4	67.3	100.9
51	33.0	33.0	49.6#

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#16

Acetone

Concen: 284.846 ug/l

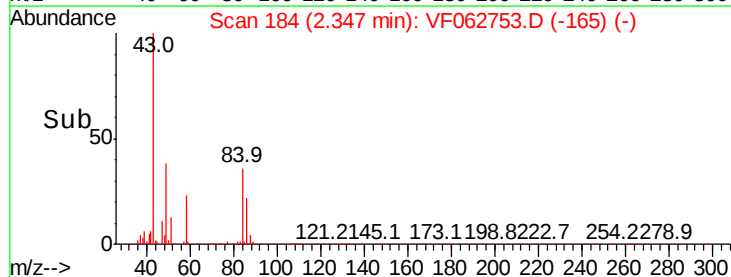
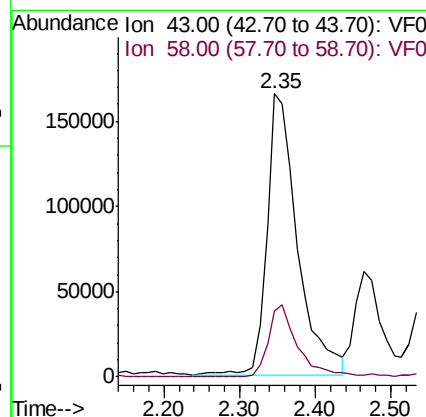
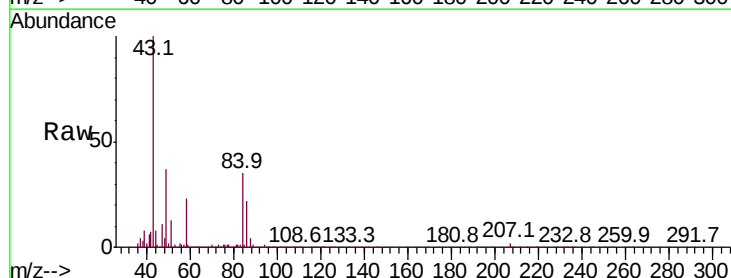
RT: 2.35 min Scan# 184

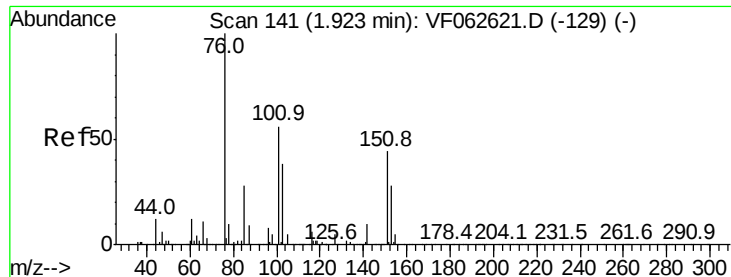
Delta R.T. -0.01 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Tgt Ion:	43	Resp:	460178
Ion Ratio	Lower	Upper	
43	100		
58	23.4	22.6	33.8





#17

Carbon Disulfide

Concen: 44.354 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 1040702

Ion Ratio Lower Upper

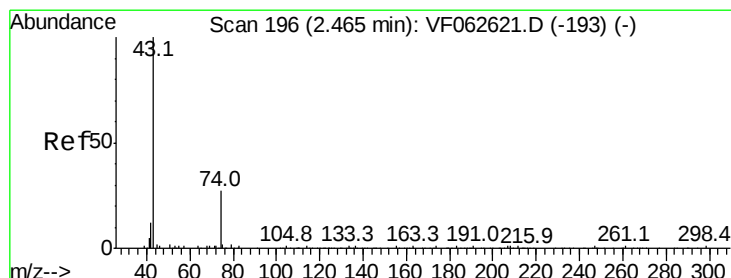
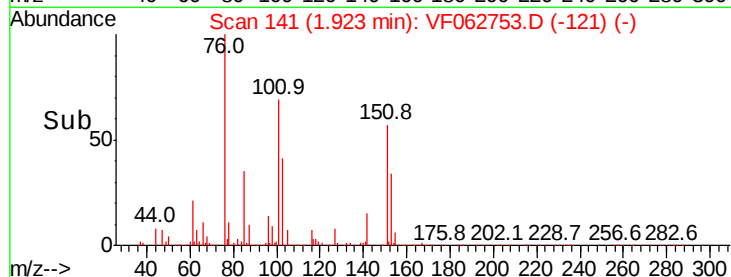
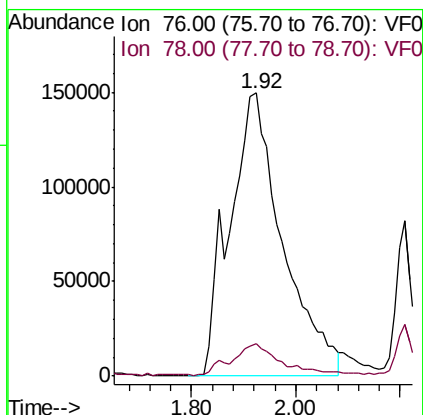
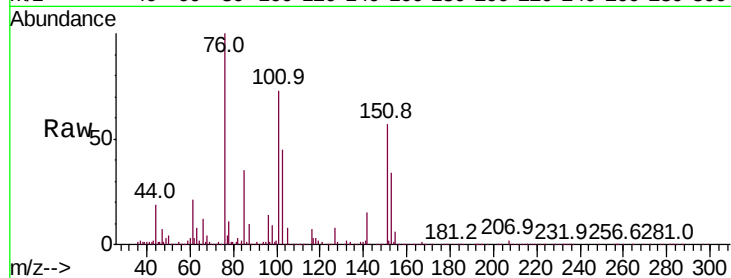
76 100

78 11.4 8.4 12.6

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#18

Methyl Acetate

Concen: 53.235 ug/l

RT: 2.46 min Scan# 196

Delta R.T. 0.00 min

Lab File: VF062753.D

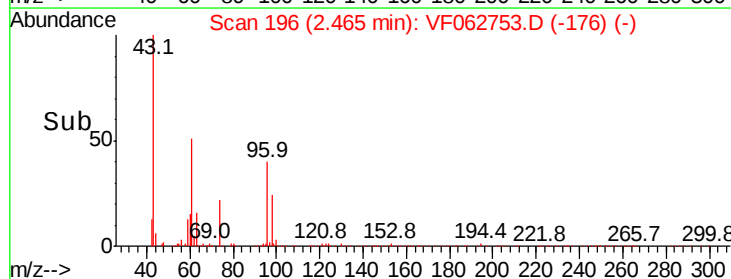
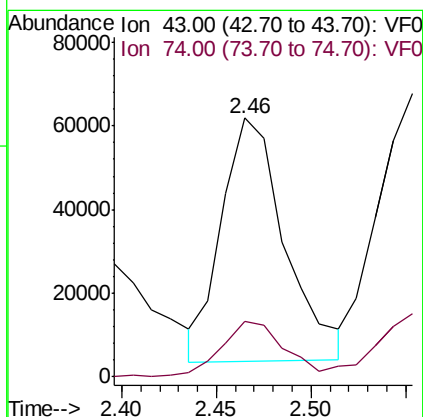
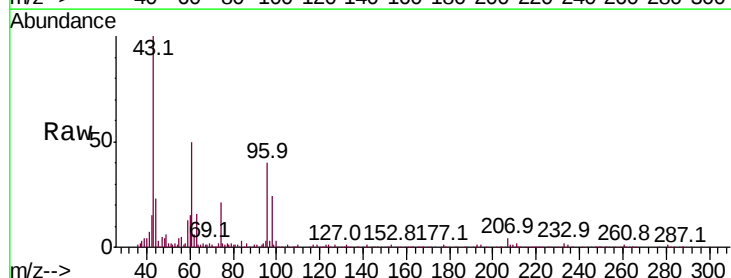
Acq: 28 May 2019 10:52

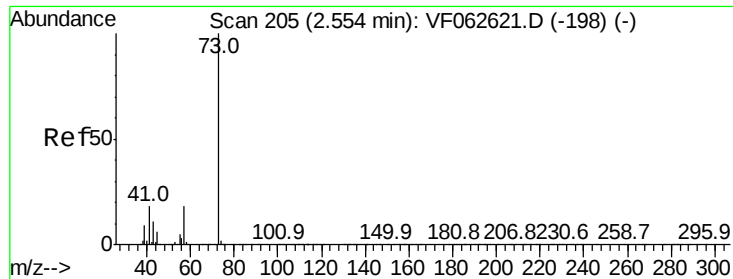
Tgt Ion: 43 Resp: 135148

Ion Ratio Lower Upper

43 100

74 21.2 18.9 28.3





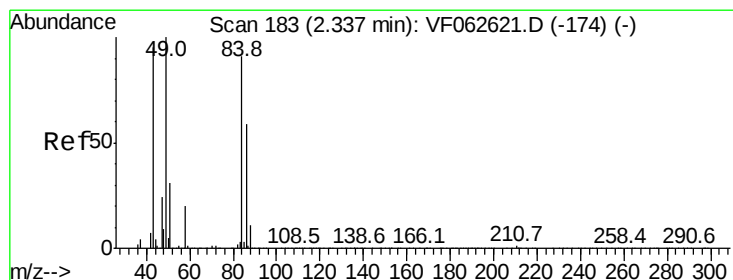
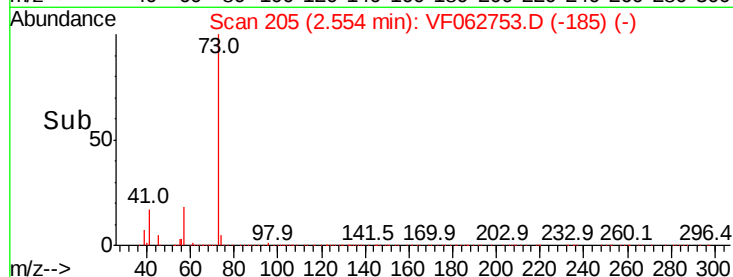
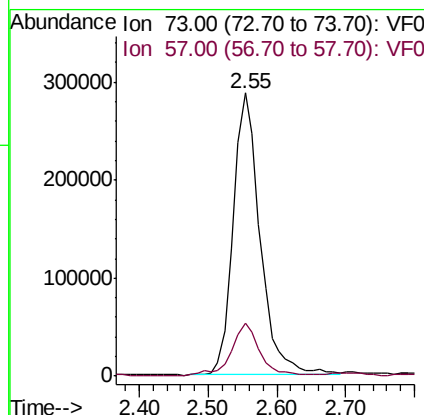
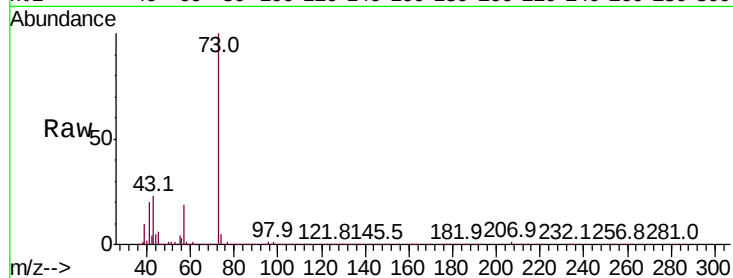
#19
Methvl tert-butvl Ether
Concen: 55.053 ug/l
RT: 2.55 min Scan# 205
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.8	14.2	21.4

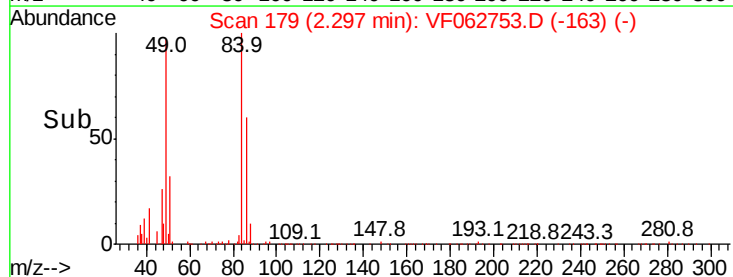
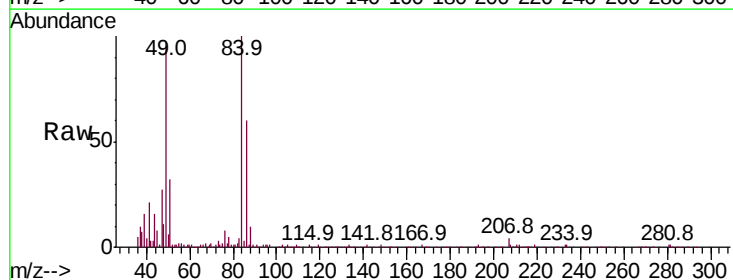
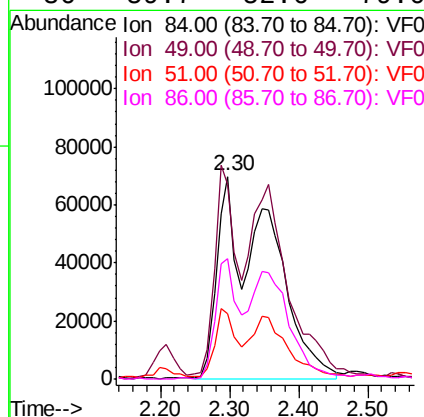
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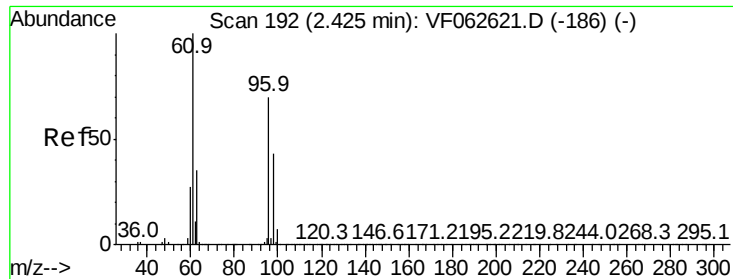
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#20
Methylene Chloride
Concen: 45.178 ug/l m
RT: 2.30 min Scan# 179
Delta R.T. -0.04 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	96.5	89.8	134.8
51	32.0	28.4	42.6
86	59.7	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 48.625 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

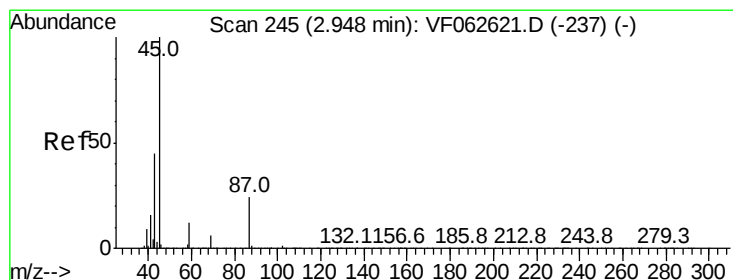
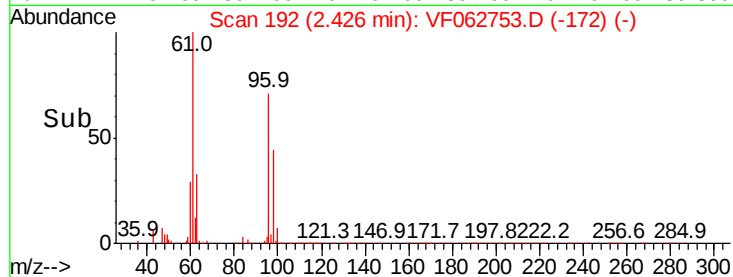
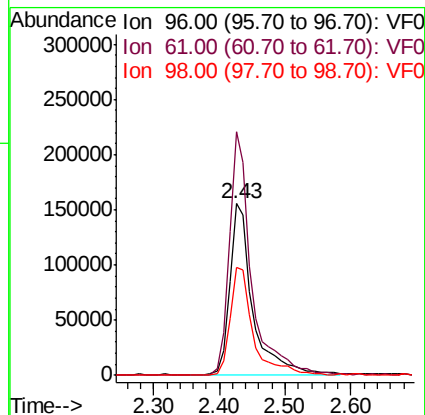
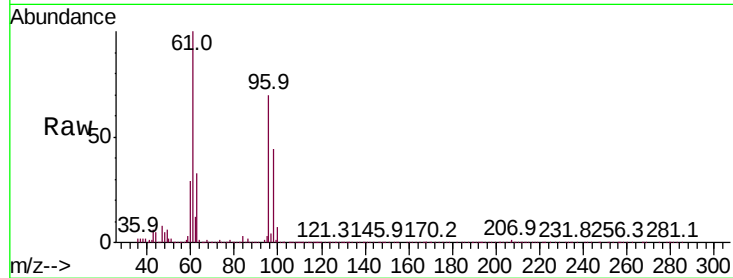
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	376237
Ion	Ratio	Lower	Upper
96	100		
61	141.9	114.6	171.8
98	62.8	49.5	74.3

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#22

Diisopropyl ether

Concen: 49.714 ug/l

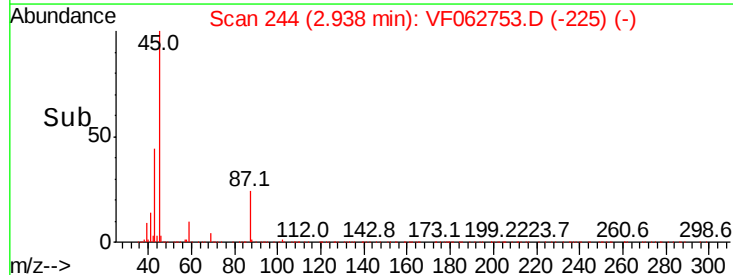
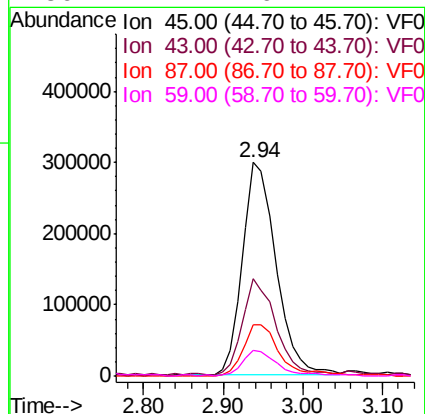
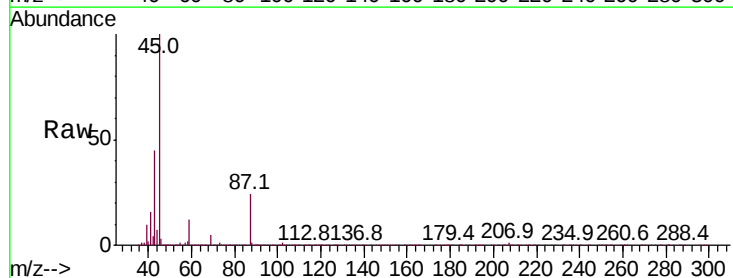
RT: 2.94 min Scan# 244

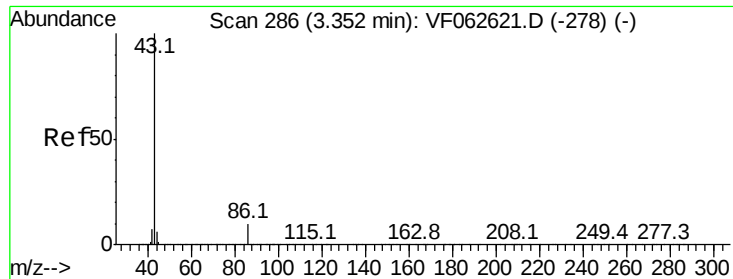
Delta R.T. -0.01 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Tgt Ion:	45	Resp:	878493
Ion	Ratio	Lower	Upper
45	100		
43	45.3	36.4	54.6
87	24.0	19.3	28.9
59	11.7	9.4	14.2





#23

Vinyl Acetate

Concen: 258.860 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3085685

Ion Ratio Lower Upper

43 100

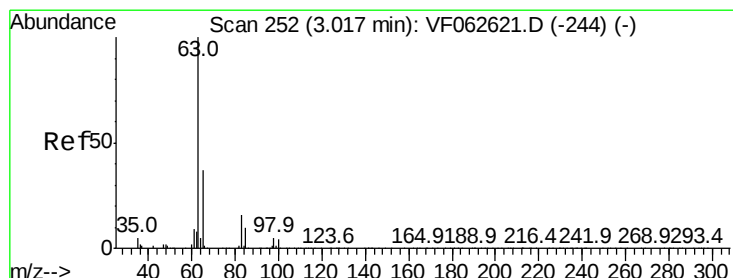
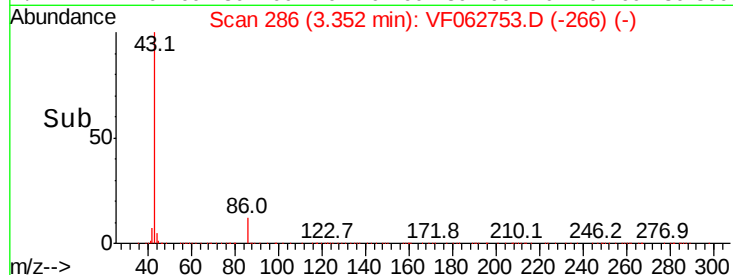
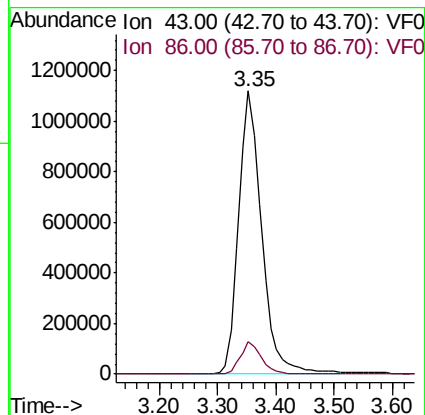
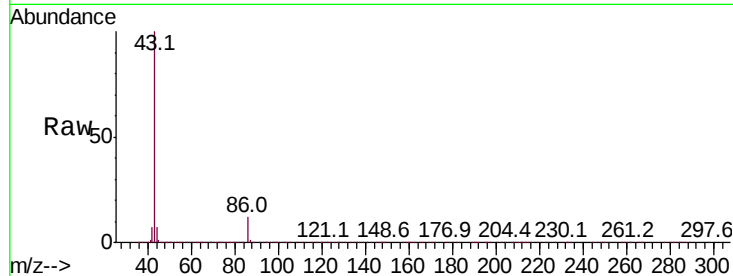
86 11.7 8.2 12.2

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#24

1,1-Dichloroethane

Concen: 51.865 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

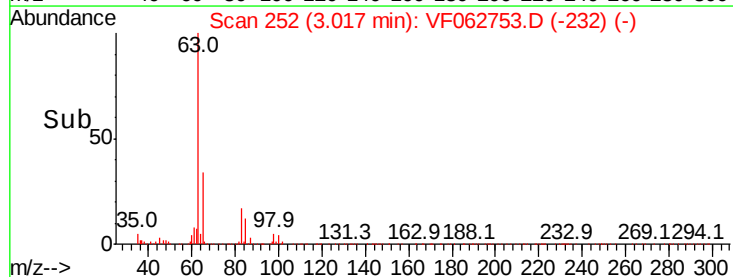
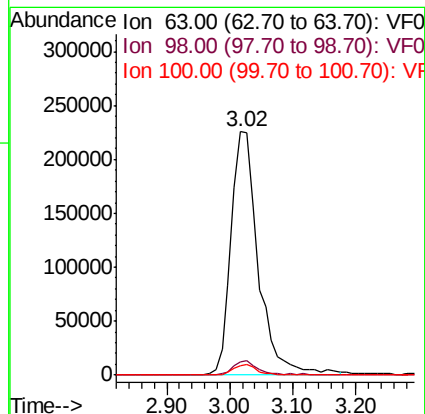
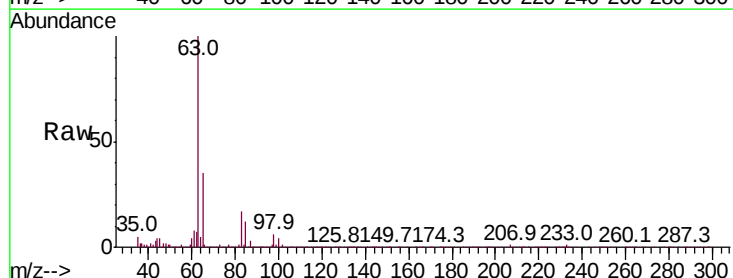
Tgt Ion: 63 Resp: 672344

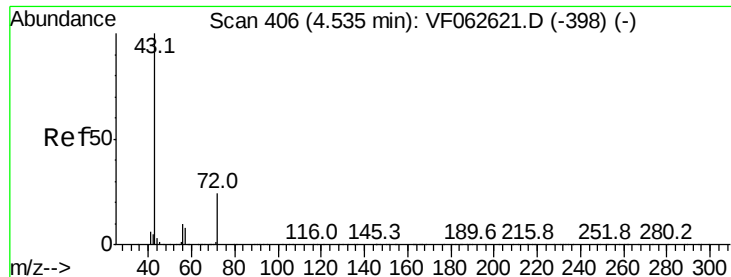
Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.3

100 3.8 1.9 5.7





#25

2-Butanone

Concen: 267.591 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 923611

Ion Ratio Lower Upper

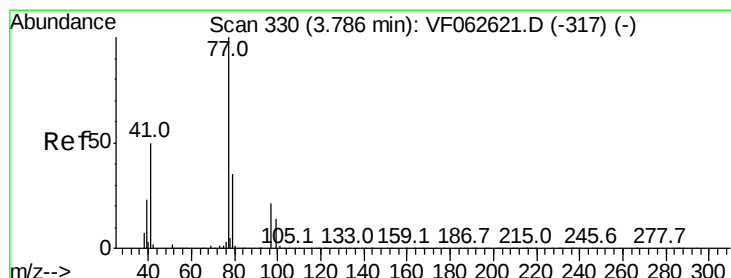
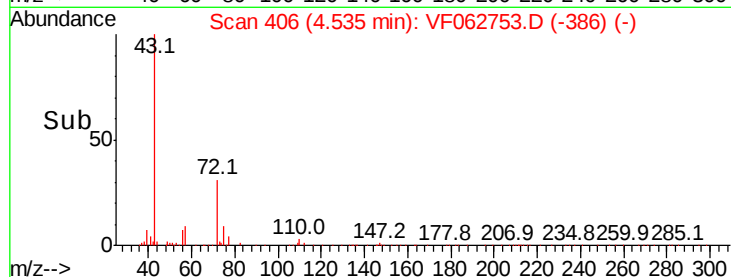
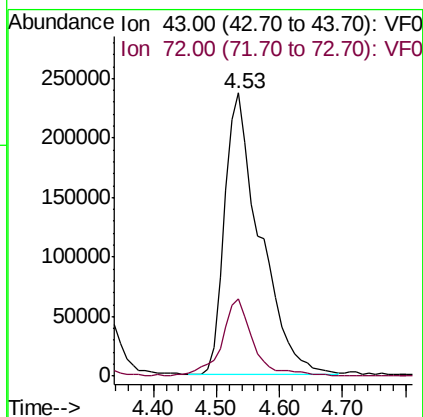
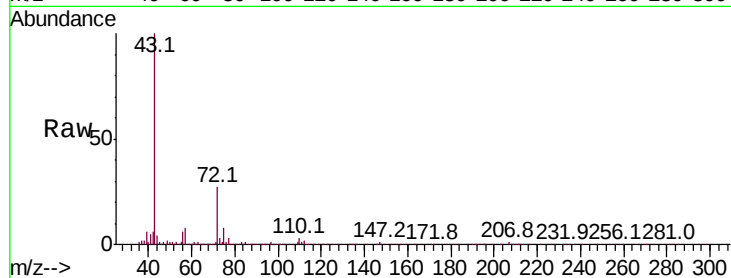
43 100

72 27.2 20.1 30.1

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#26

2,2-Dichloropropane

Concen: 56.763 ug/l

RT: 3.79 min Scan# 330

Delta R.T. 0.00 min

Lab File: VF062753.D

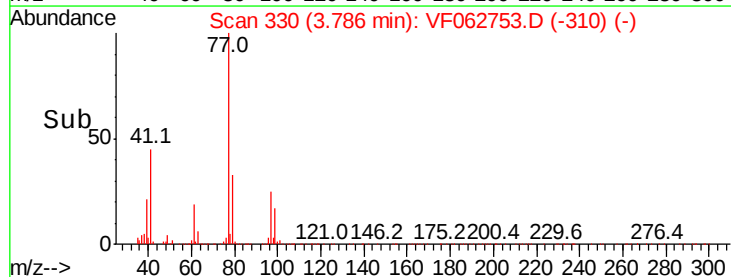
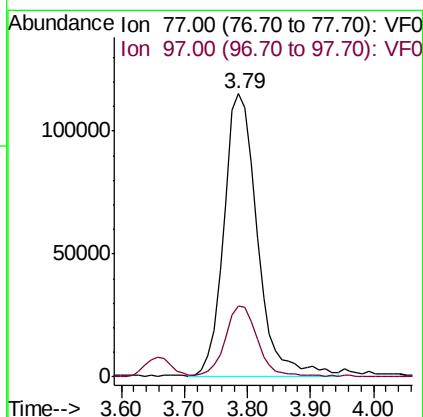
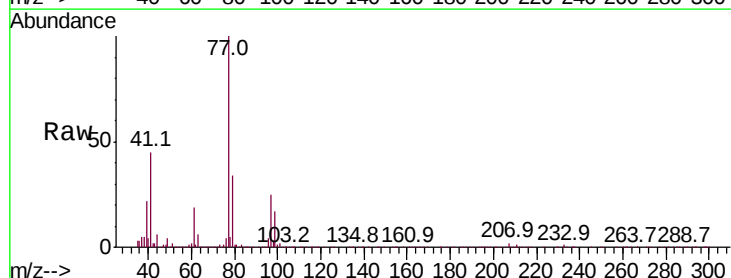
Acq: 28 May 2019 10:52

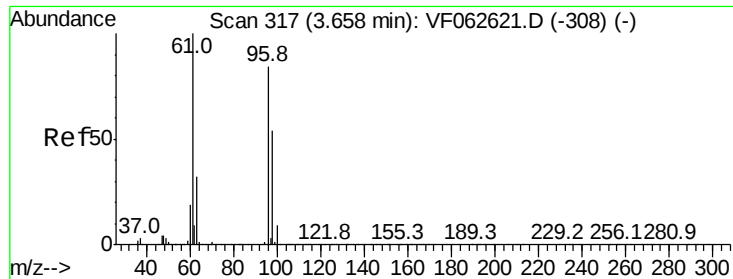
Tgt Ion: 77 Resp: 421023

Ion Ratio Lower Upper

77 100

97 25.0 14.1 42.4





#27

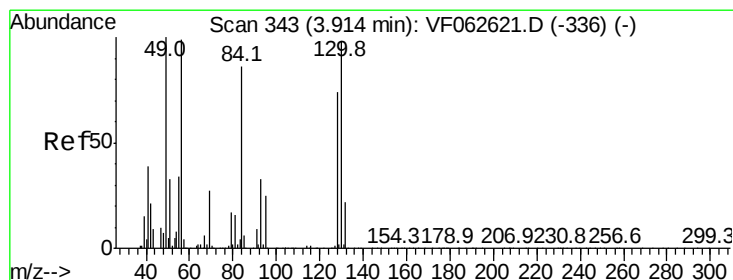
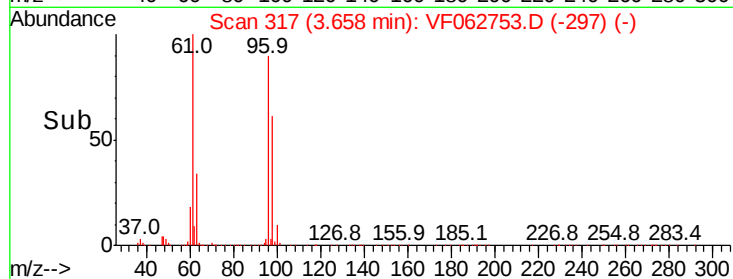
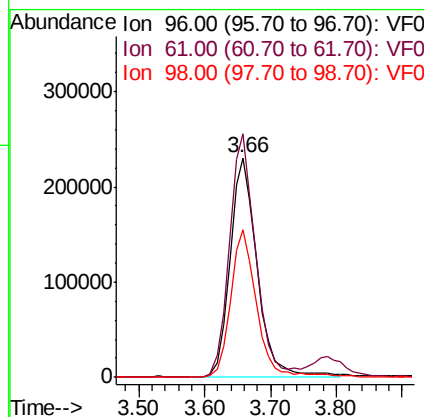
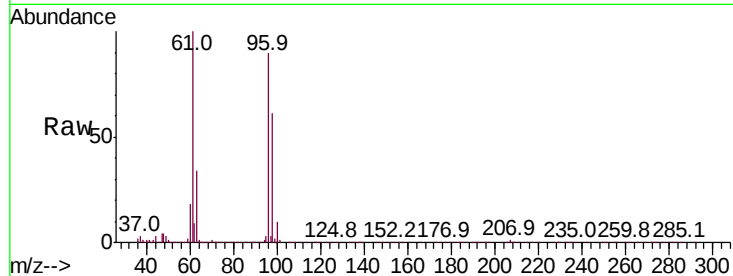
cis-1,2-Dichloroethene
Concen: 51.964 ug/l
RT: 3.66 min Scan# 317
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	661378		
61	110.9	0.0	237.4	
98	67.3	0.0	129.0	

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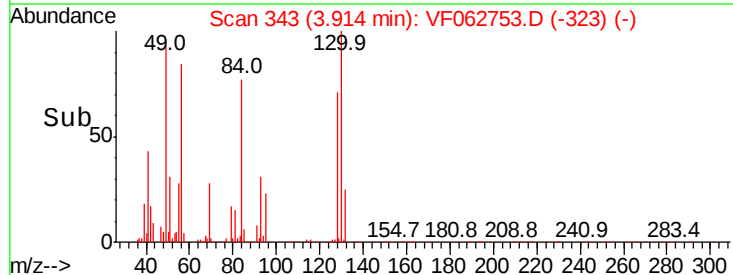
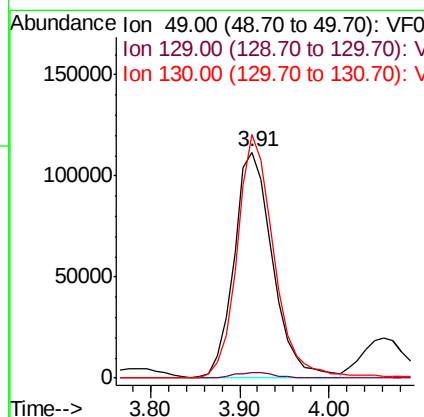
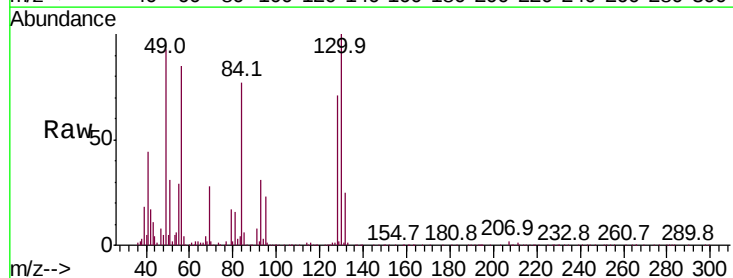
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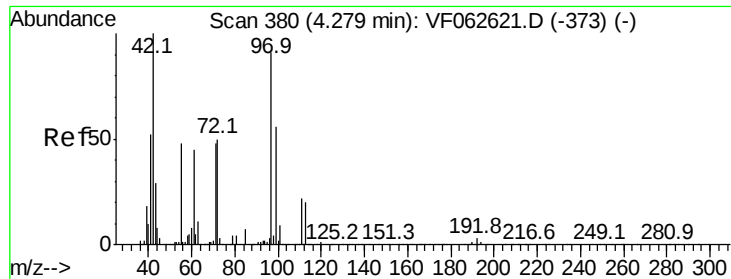


#28

Bromochloromethane
Concen: 46.054 ug/l
RT: 3.91 min Scan# 343
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	334833		
129	2.4	0.0	4.0	
130	107.6	77.8	116.8	





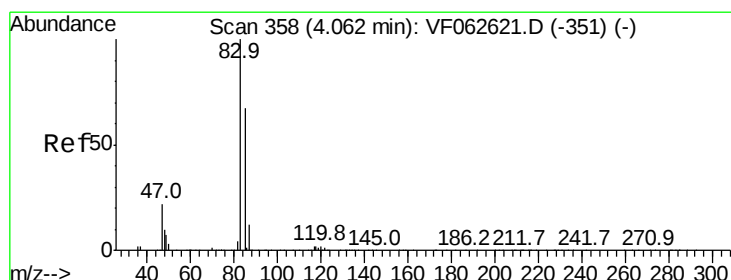
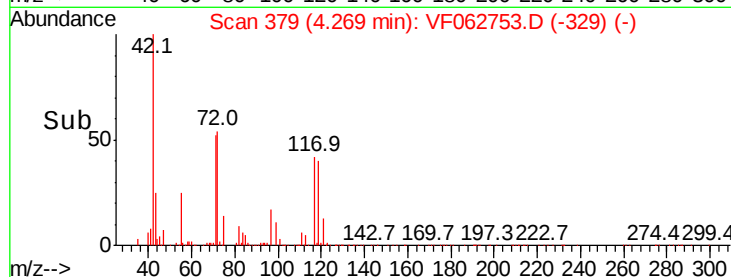
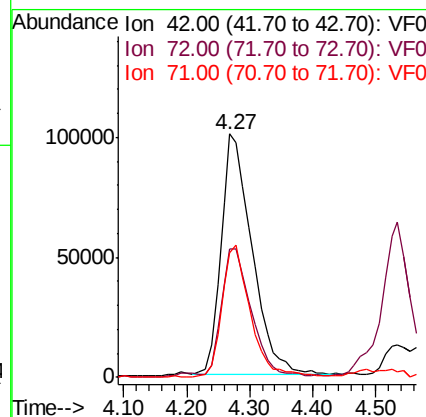
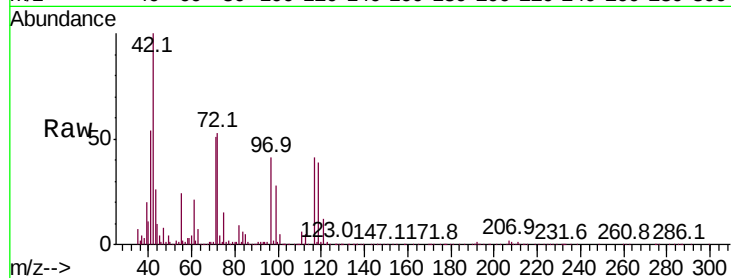
#29
Tetrahydrofuran
Concen: 246.492 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Instrument :
MSVOA_F
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.3	38.2	57.2
71	49.4	35.8	53.6

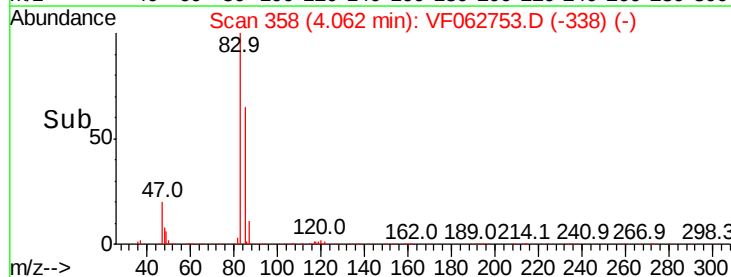
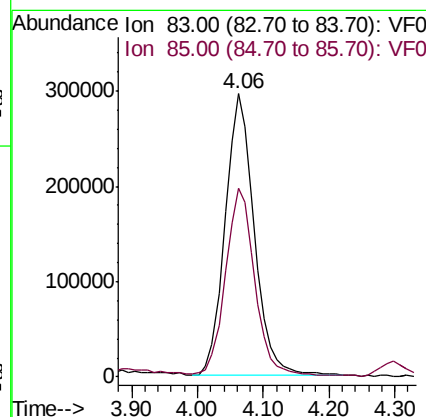
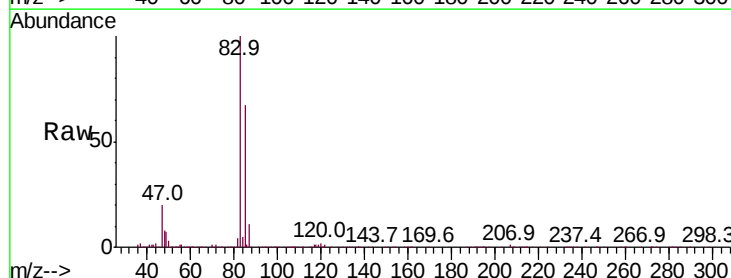
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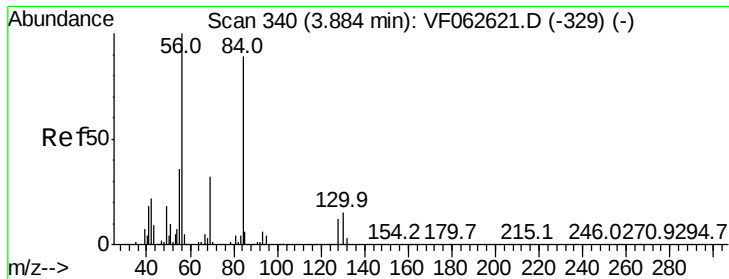
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#30
Chloroform
Concen: 50.411 ug/l
RT: 4.06 min Scan# 358
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	53.6	80.4





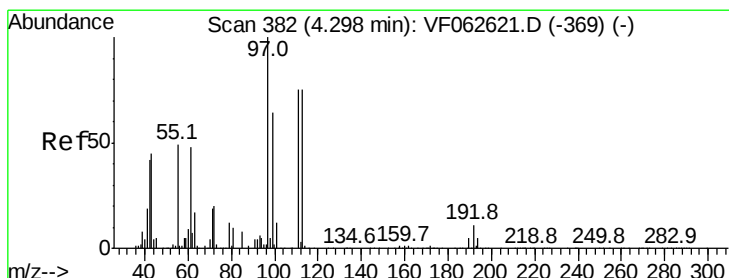
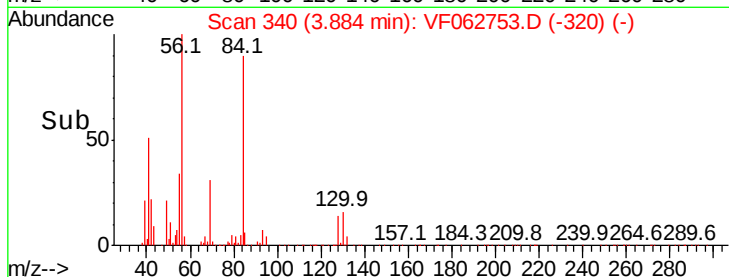
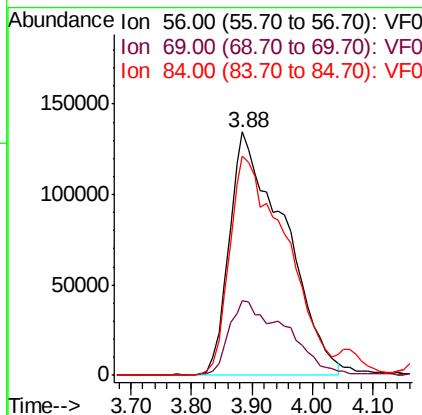
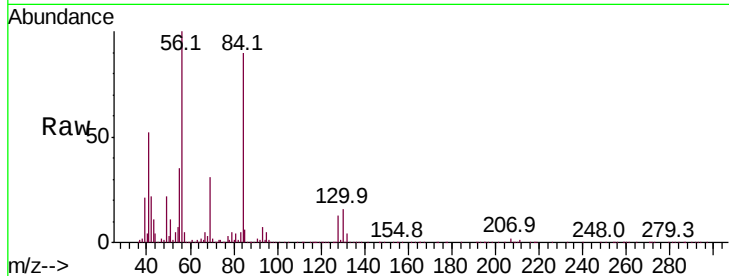
#31
Cyclohexane
Concen: 48.661 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	25.3	37.9
84	90.0	71.0	106.4

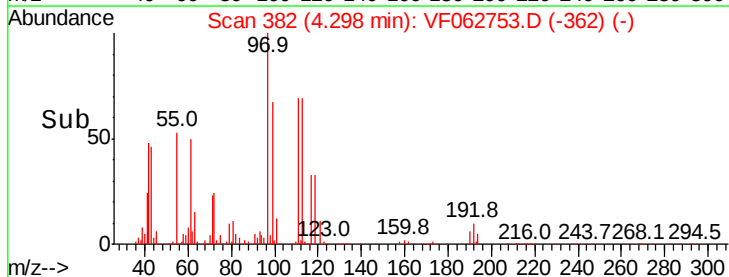
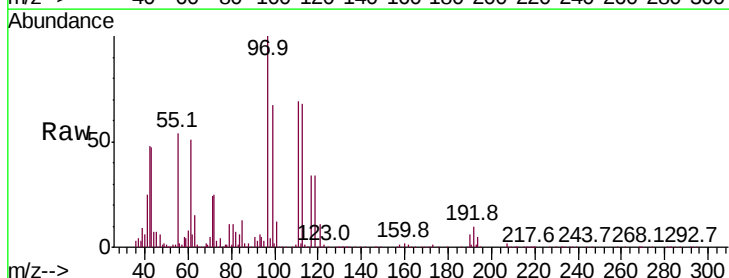
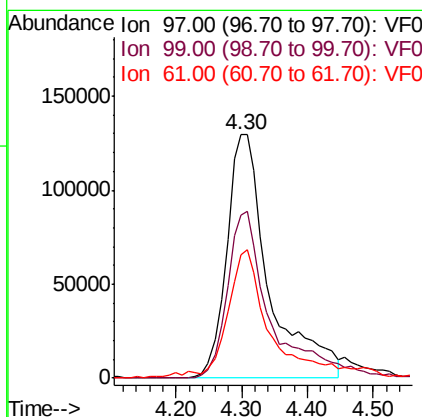
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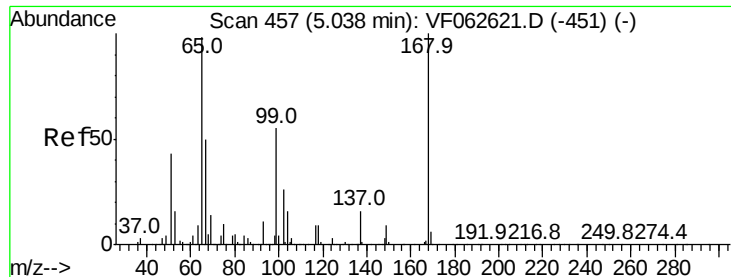
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#32
1,1,1-Trichloroethane
Concen: 49.046 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.7	51.3	76.9
61	50.5	38.2	57.2





#33

1,2-Dichloroethane-d4

Concen: 44.194 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 275207

Ion Ratio Lower Upper

65 100

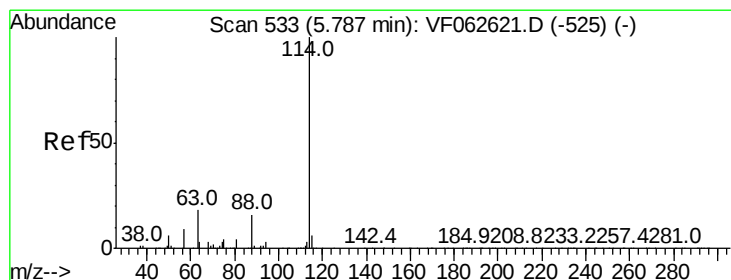
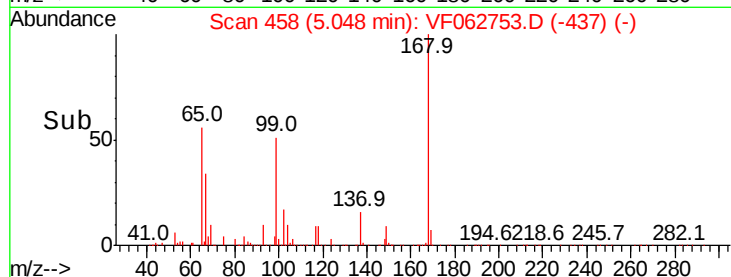
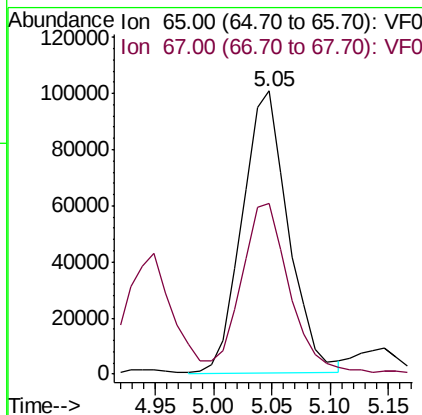
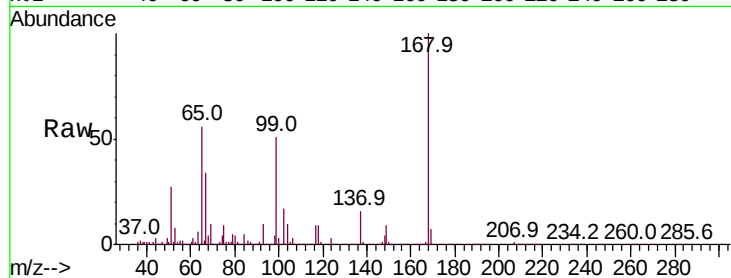
67 60.4 0.0 117.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

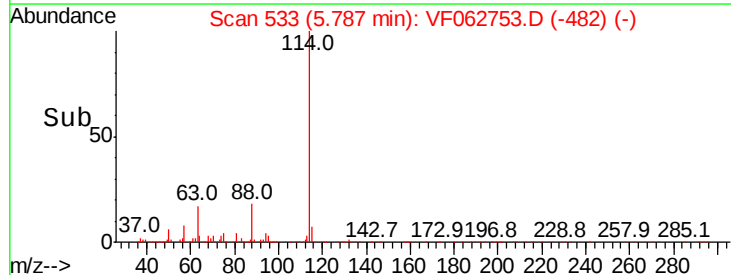
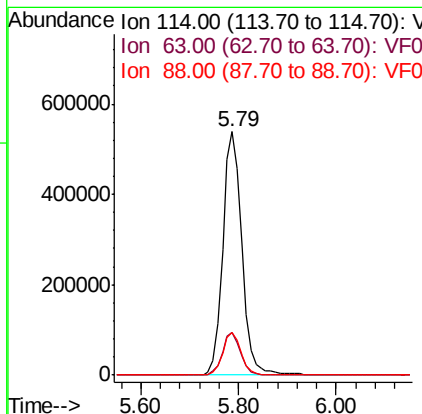
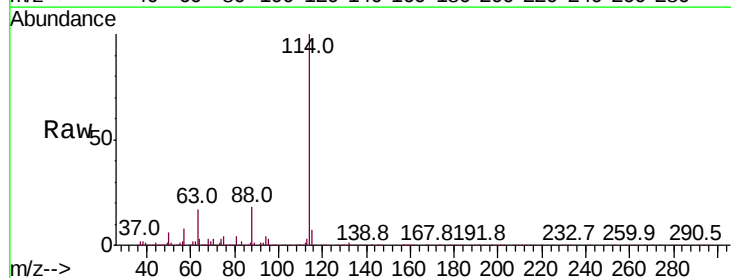
Tgt Ion: 114 Resp: 1459194

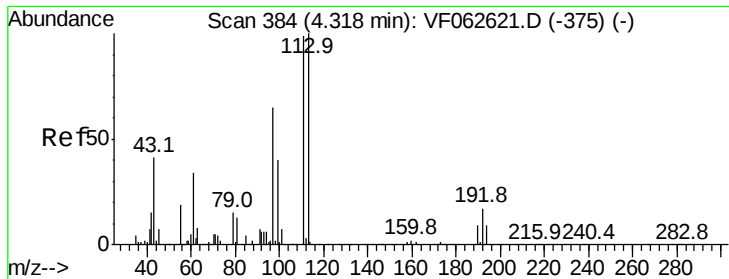
Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.4

88 17.5 0.0 32.4





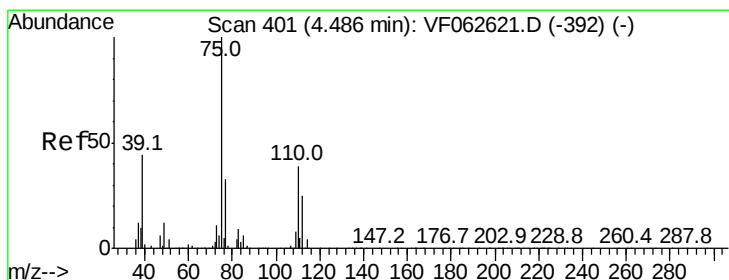
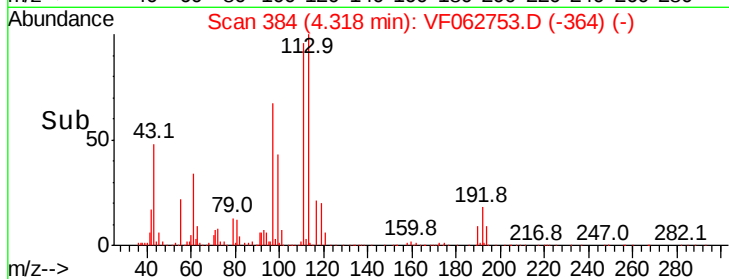
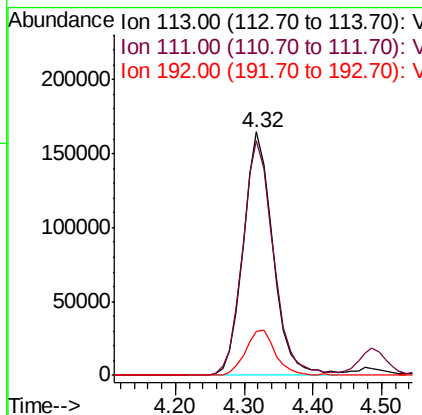
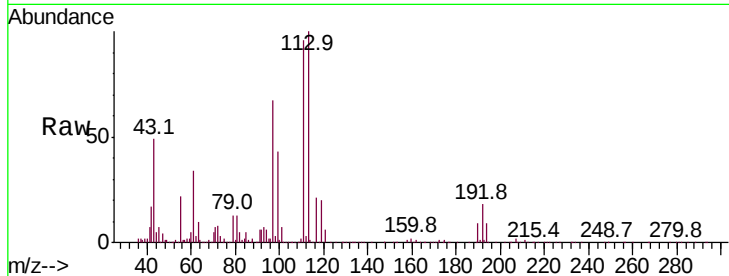
#35
 Dibromofluoromethane
 Concen: 44.043 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VF062753.D
 Acq: 28 May 2019 10:52

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	491780		
111	96.3		79.4	119.2
192	18.0		13.4	20.2

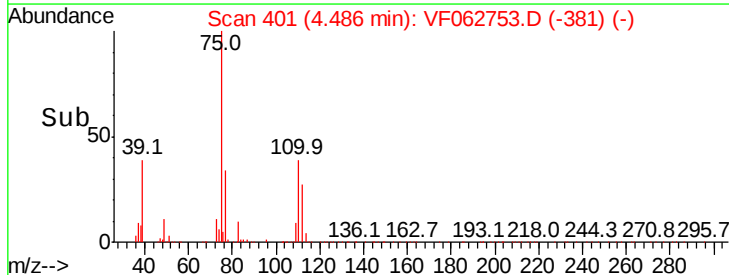
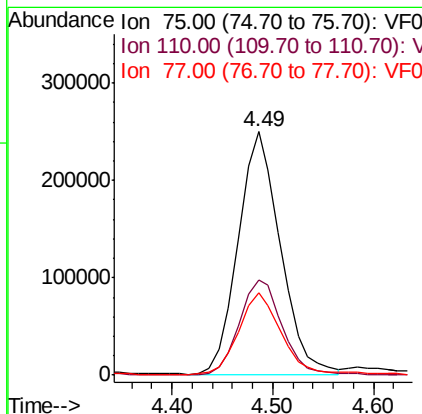
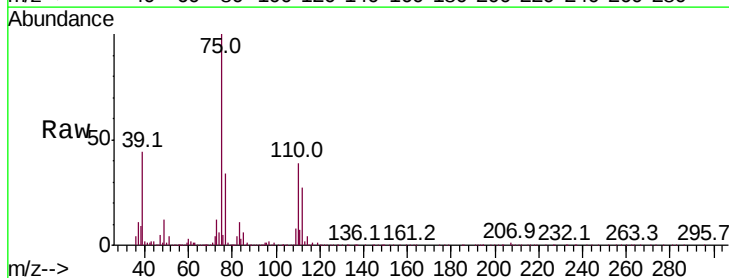
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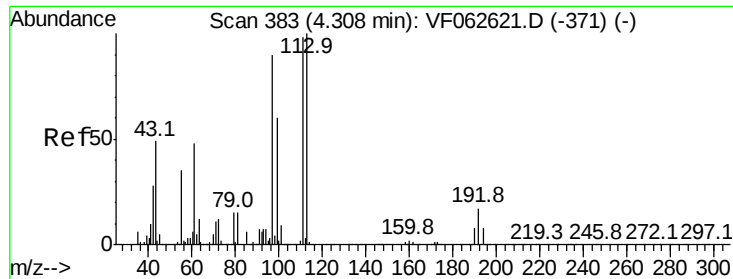
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#36
 1,1-Dichloropropene
 Concen: 48.463 ug/l
 RT: 4.49 min Scan# 401
 Delta R.T. 0.00 min
 Lab File: VF062753.D
 Acq: 28 May 2019 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	724632		
110	39.1		19.7	59.1
77	34.0		26.3	39.5





#37

Ethyl Acetate

Concen: 50.710 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.01 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

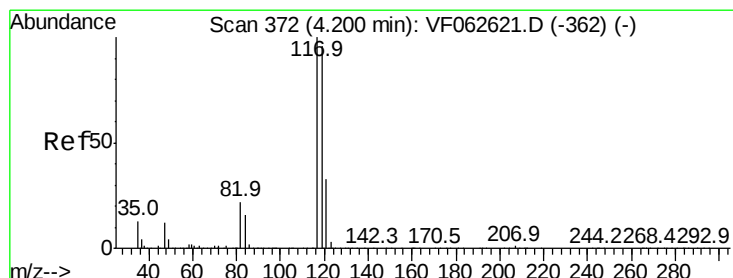
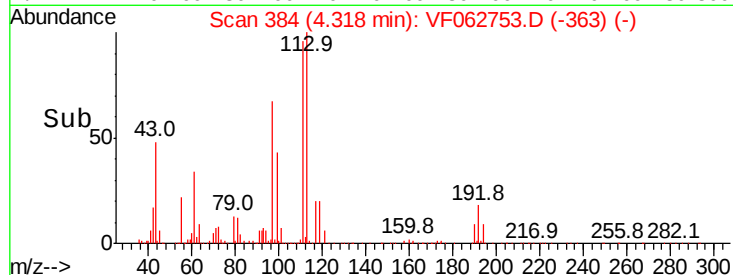
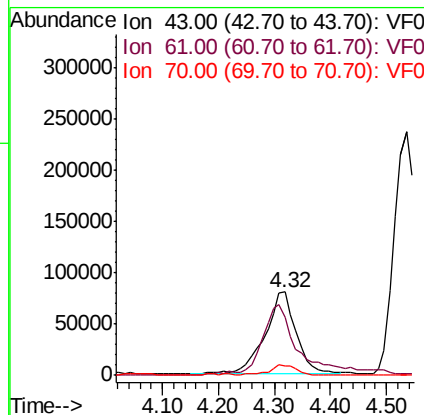
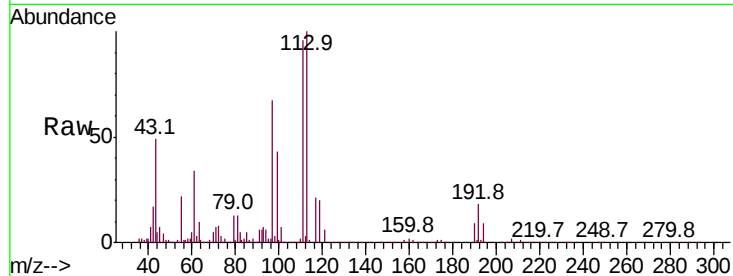
ClientSampleId :

VSTDCCC050

Tot Ion	43	Resp	309584
Ion	Ratio	Lower	Upper
43	100		
61	68.9	76.9	115.3#
70	10.7	8.8	13.2

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#38

Carbon Tetrachloride

Concen: 46.888 ug/l

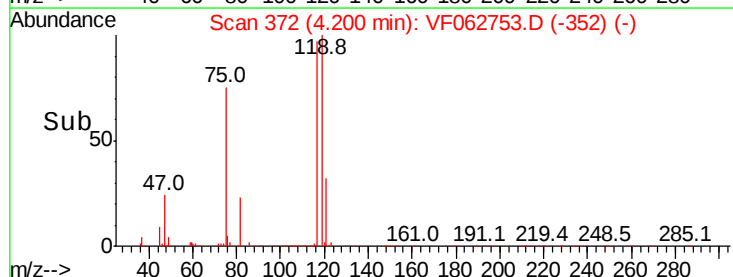
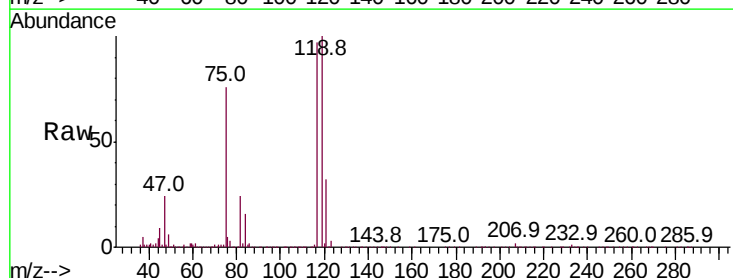
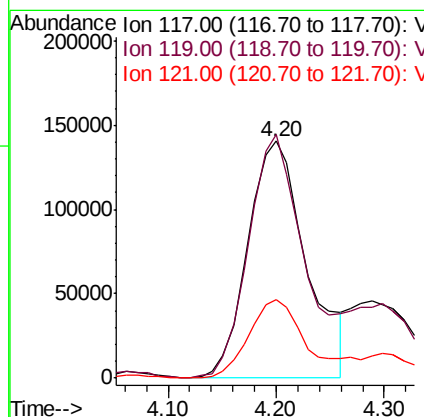
RT: 4.20 min Scan# 372

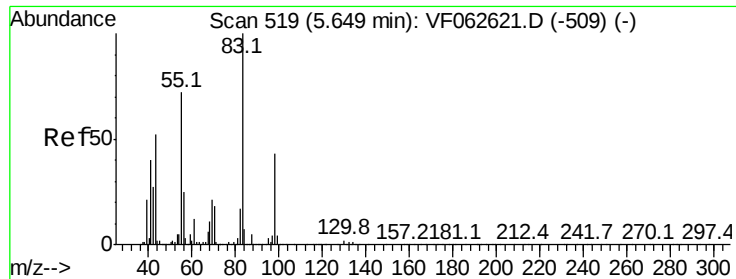
Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Tgt Ion	117	Resp	527266
Ion	Ratio	Lower	Upper
117	100		
119	102.9	76.7	115.1
121	33.0	26.6	40.0





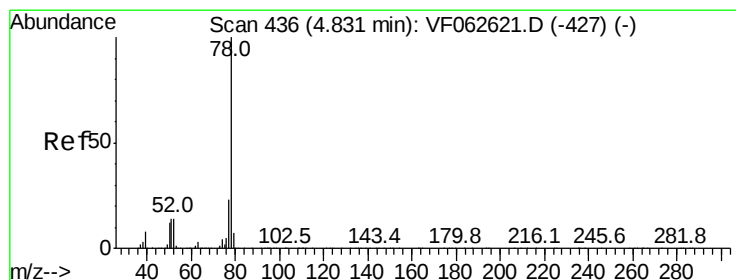
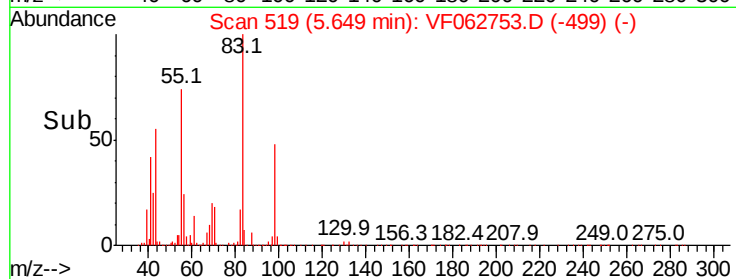
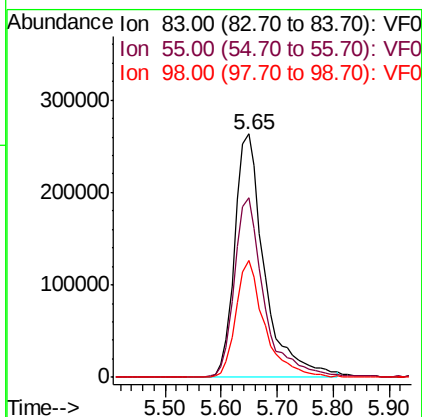
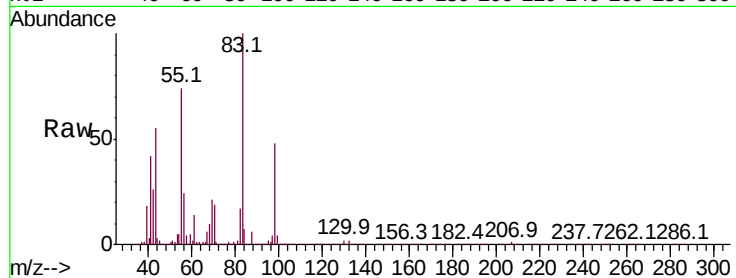
#39
Methvlcvclohexane
Concen: 54.254 ug/l
RT: 5.65 min Scan# 519
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	73.7	57.9	86.9	
98	48.2	34.6	52.0	

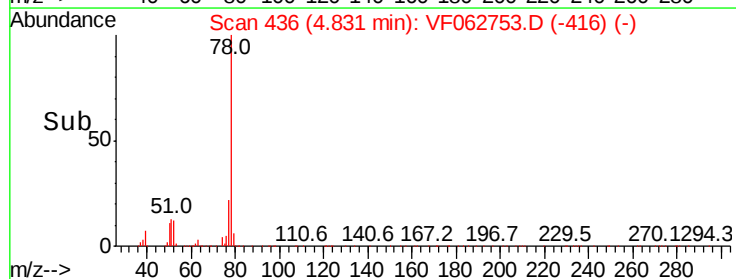
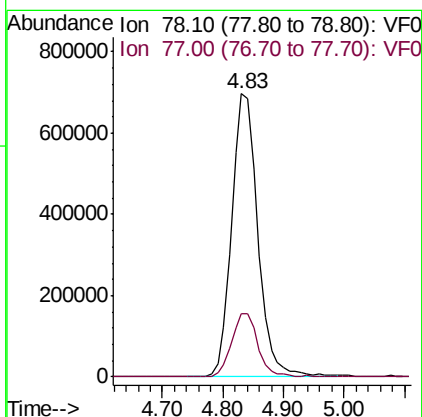
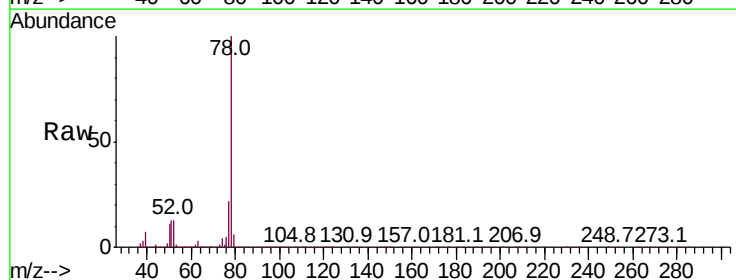
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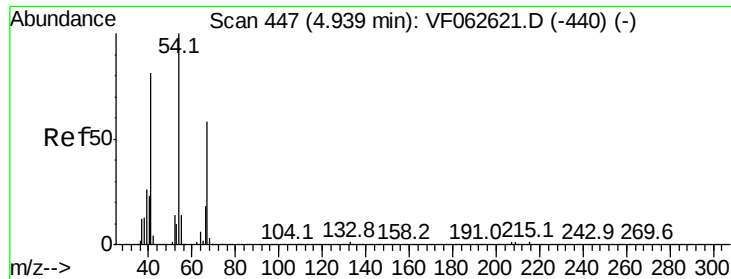
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#40
Benzene
Concen: 51.454 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.3	18.2	27.2	





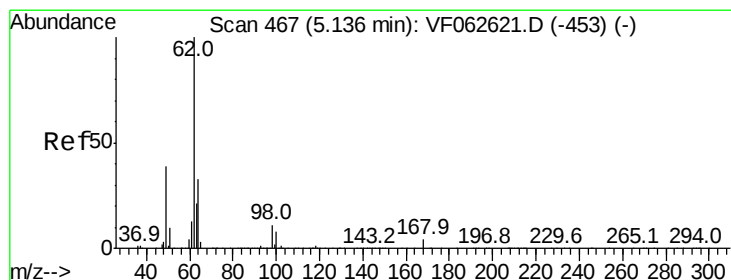
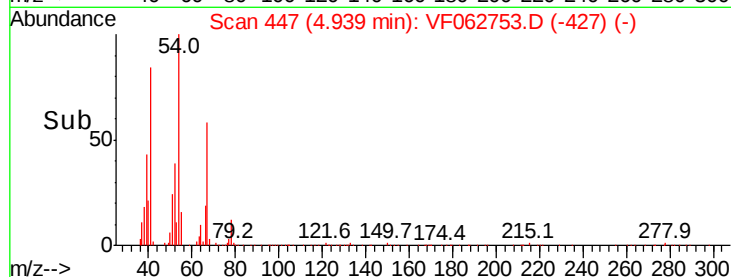
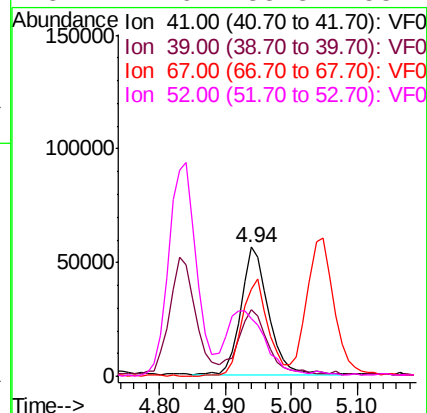
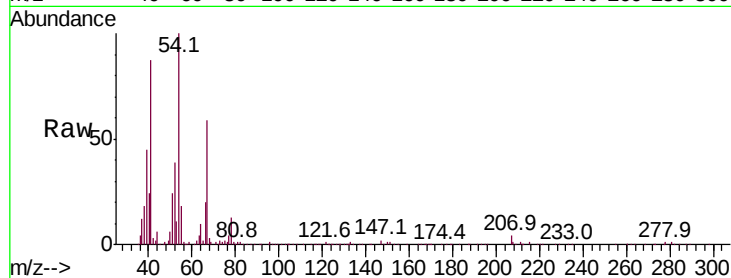
#41
Methacrylonitrile
Concen: 51.927 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.5	42.2	63.2
67	67.3	56.4	84.6
52	44.6	38.8	58.2

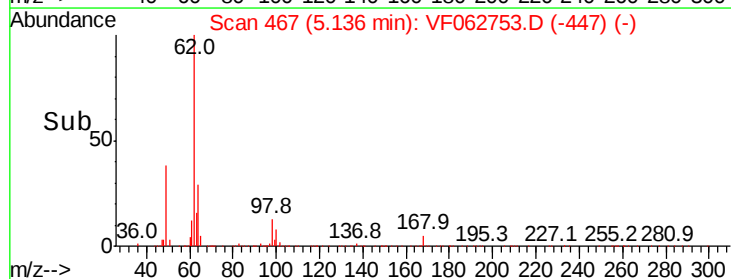
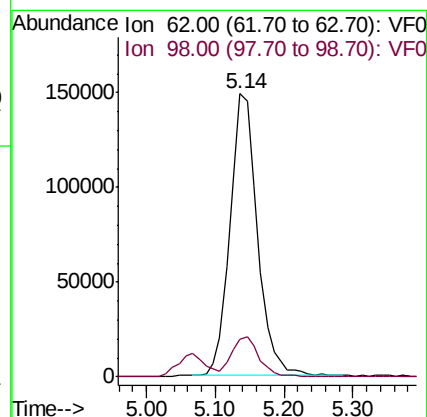
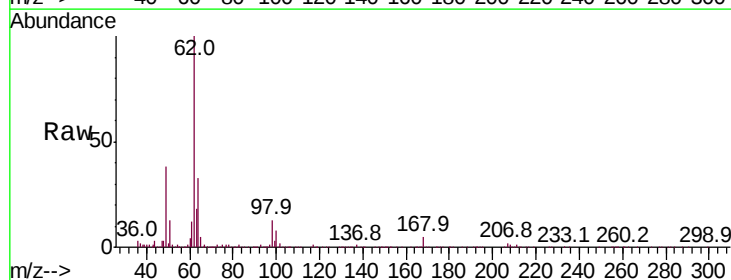
Manual Integrations
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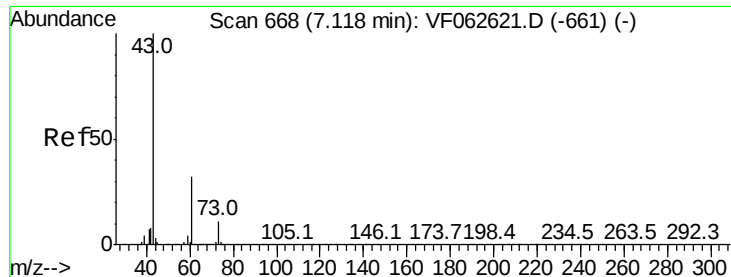
MMDadoda
5/29/2019 11:01:51 AM



#42
1,2-Dichloroethane
Concen: 50.388 ug/l
RT: 5.14 min Scan# 467
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Tgt Ion	Ratio	Lower	Upper
62	100		
98	13.4	0.0	21.6





#43

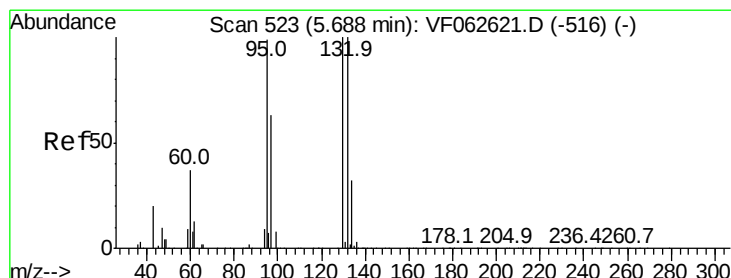
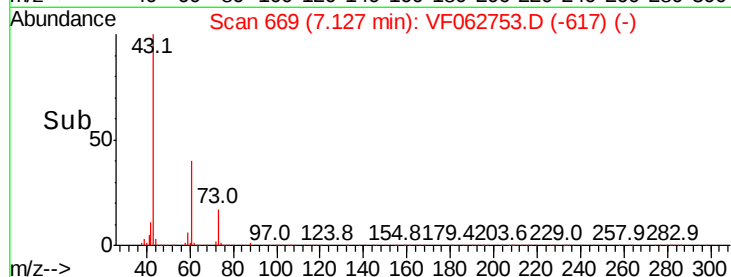
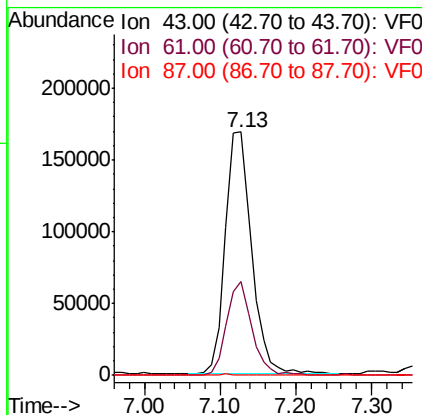
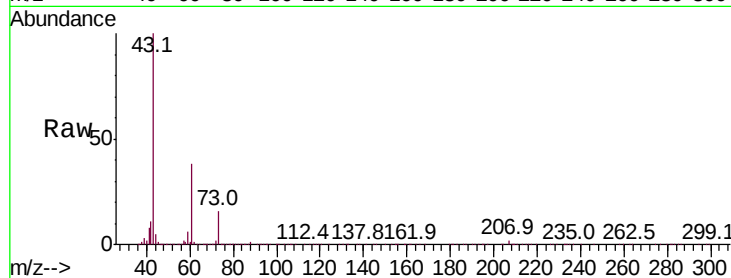
Isopropyl Acetate
 Concen: 51.855 ug/l
 RT: 7.13 min Scan# 669
 Delta R.T. 0.01 min
 Lab File: VF062753.D
 Acq: 28 May 2019 10:52

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	38.4	25.8	38.8
87	0.4	0.4	0.6

Manual Integrations
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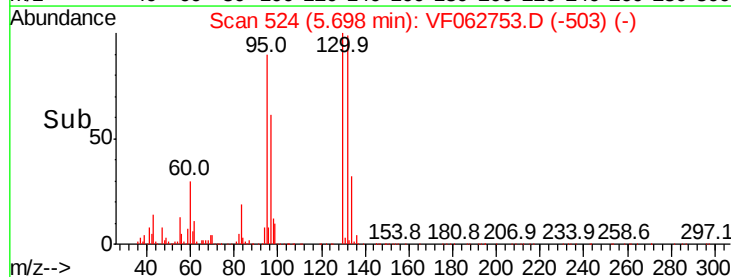
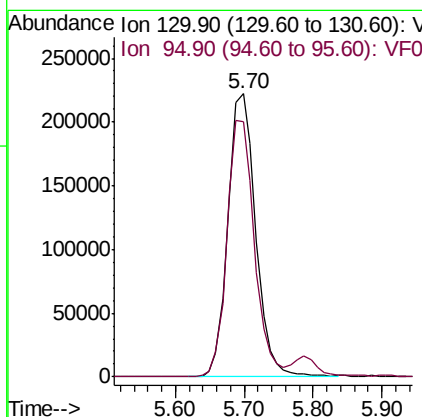
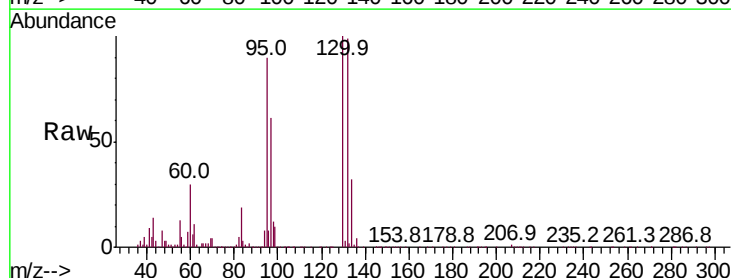
MMDadoda
 5/29/2019 11:01:51 AM

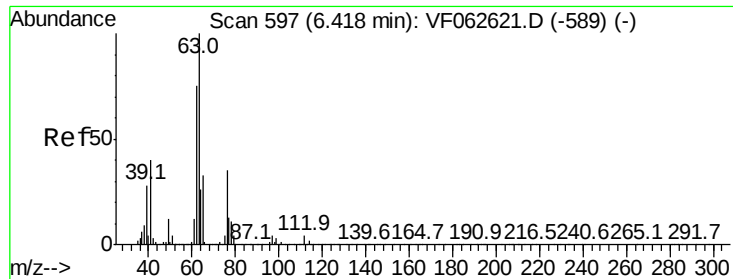


#44

Trichloroethene
 Concen: 54.542 ug/l
 RT: 5.70 min Scan# 524
 Delta R.T. 0.01 min
 Lab File: VF062753.D
 Acq: 28 May 2019 10:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.3	0.0	199.4





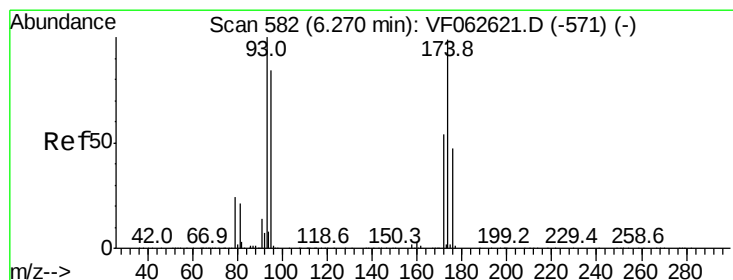
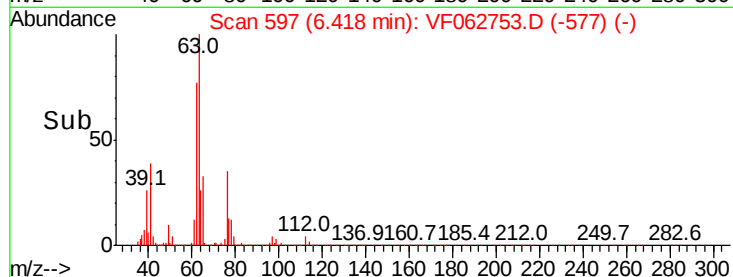
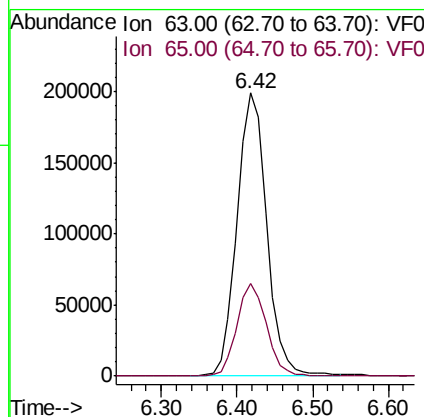
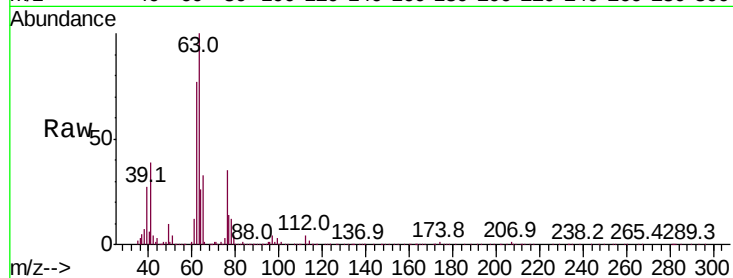
#45
 1,2-Dichloropropane
 Concen: 52.577 ug/l
 RT: 6.42 min Scan# 597
 Delta R.T. 0.00 min
 Lab File: VF062753.D
 Acq: 28 May 2019 10:52

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.9	26.3	39.5

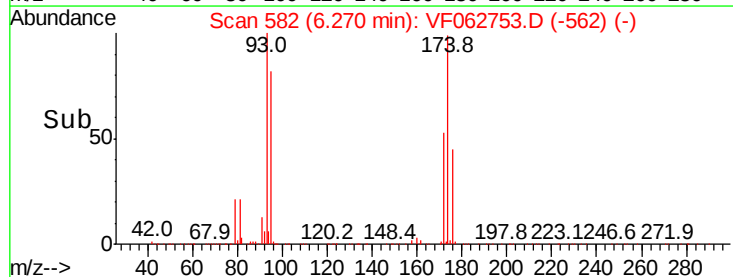
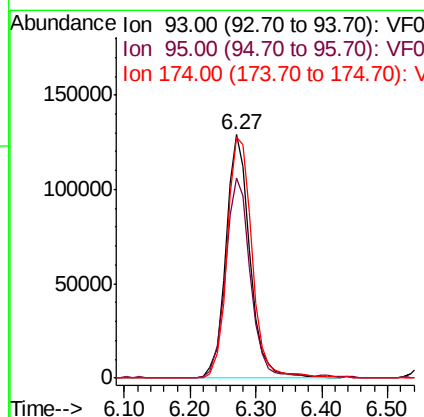
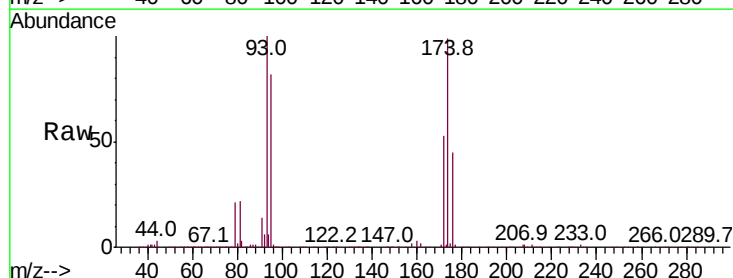
Manual Integrations
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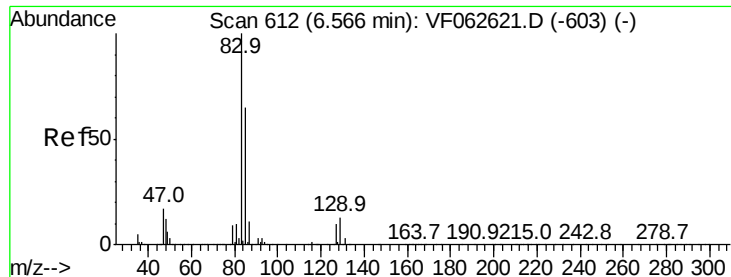
MMDadoda
 5/29/2019 11:01:51 AM



#46
 Dibromomethane
 Concen: 55.357 ug/l
 RT: 6.27 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VF062753.D
 Acq: 28 May 2019 10:52

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.1	67.4	101.2
174	98.8	79.4	119.2





#47

Bromodichloromethane

Concen: 55.645 ug/l

RT: 6.57 min Scan# 612

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

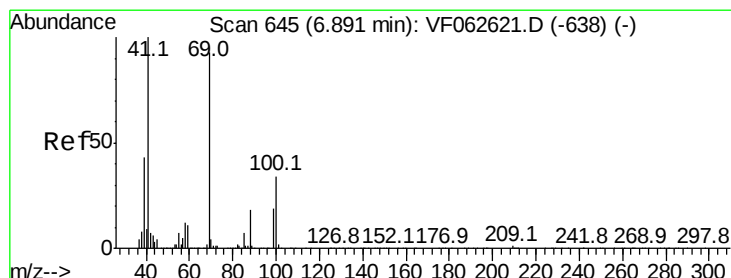
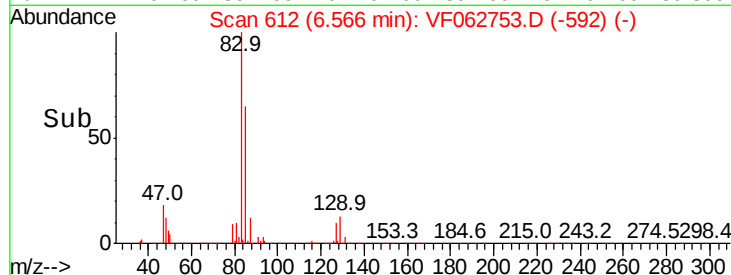
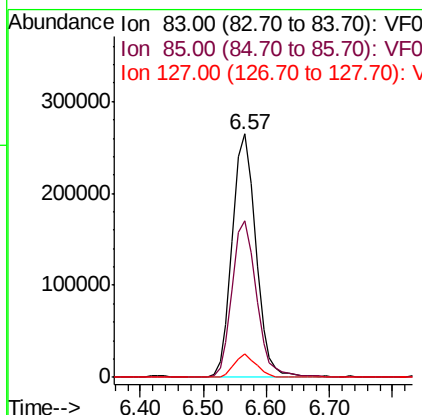
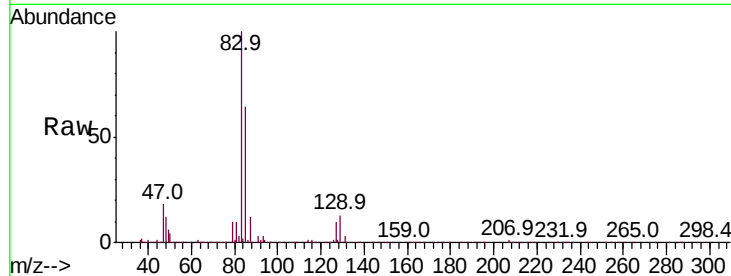
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	686492
Ion Ratio	Lower	Upper	
83	100		
85	64.5	52.0	78.0
127	9.8	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.476 ug/l

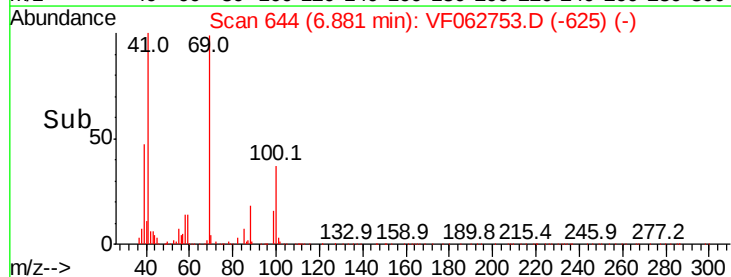
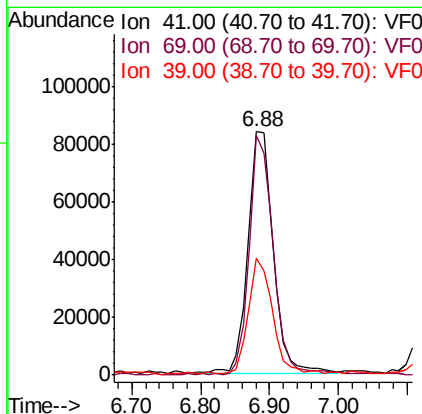
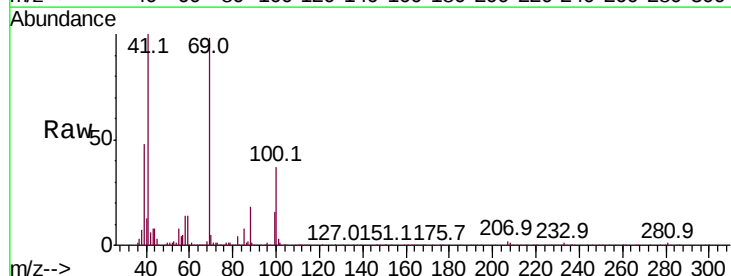
RT: 6.88 min Scan# 644

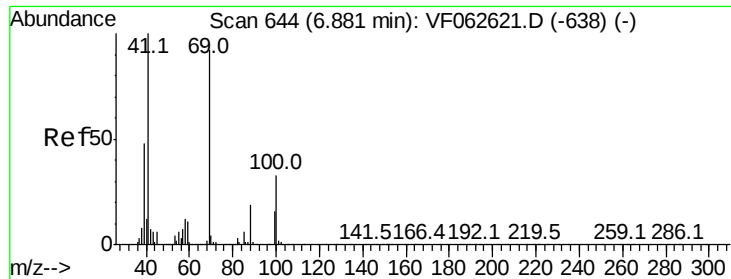
Delta R.T. -0.01 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Tgt Ion:	41	Resp:	216939
Ion Ratio	Lower	Upper	
41	100		
69	98.5	74.2	111.2
39	48.1	34.2	51.4





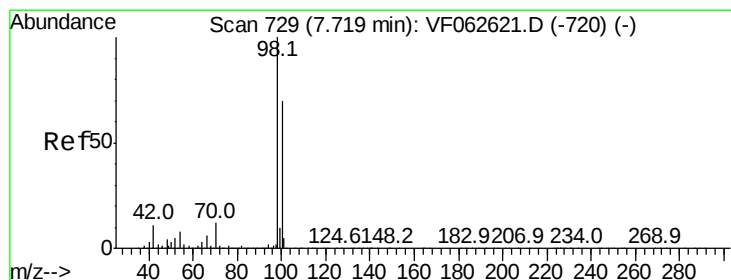
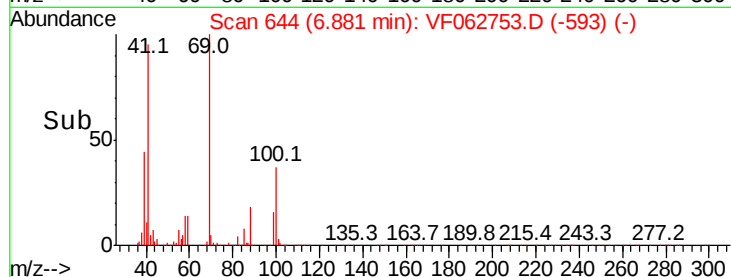
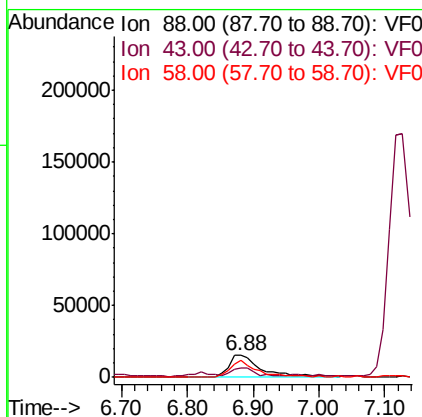
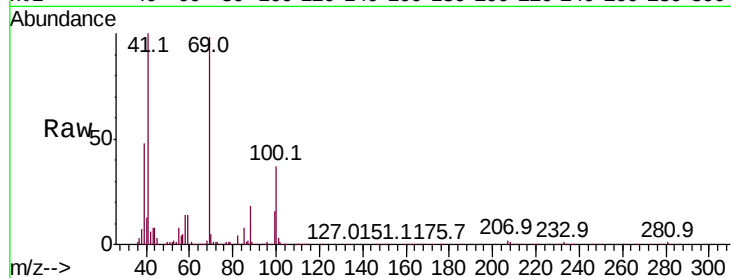
#49
1,4-Dioxane
Concen: 1015.835 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	45.8	30.0	45.0#
58	77.4	51.1	76.7#

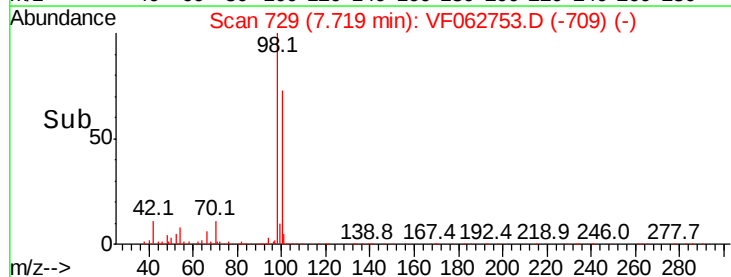
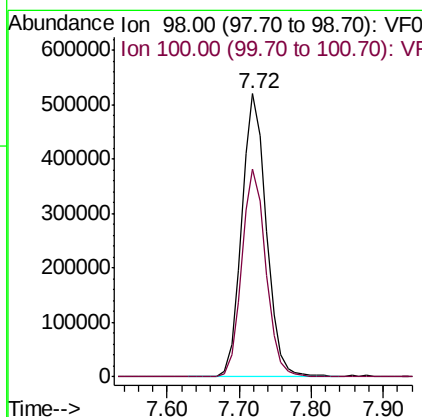
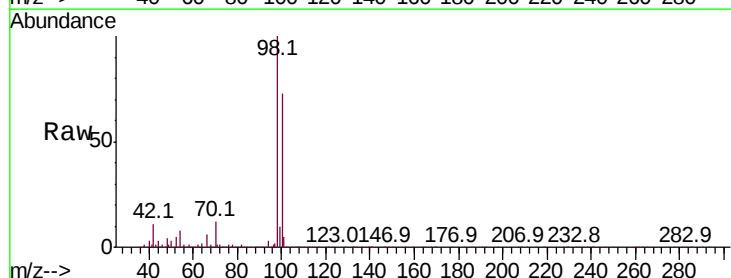
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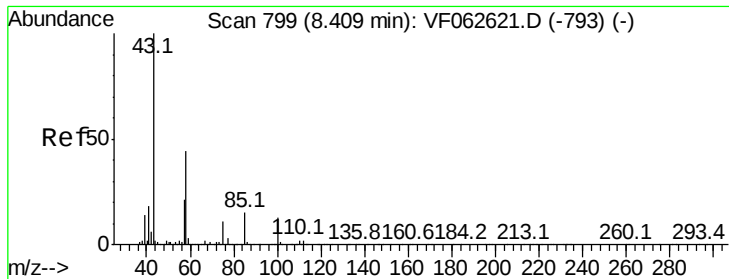
MMDadoda
5/29/2019 11:01:51 AM



#50
Toluene-d8
Concen: 46.627 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	73.4	56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 274.160 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1482189

Ion Ratio Lower Upper

43 100

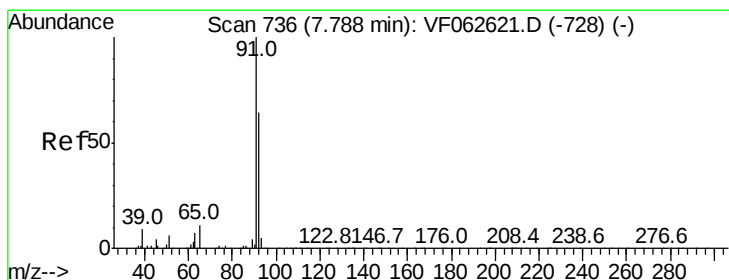
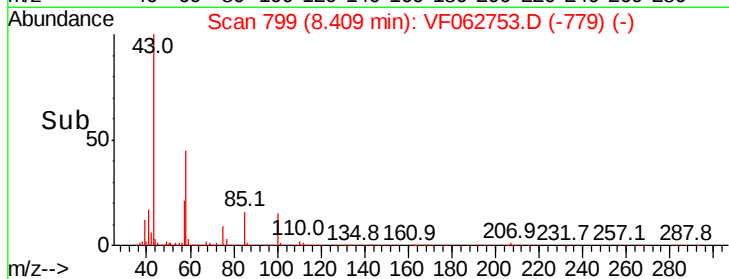
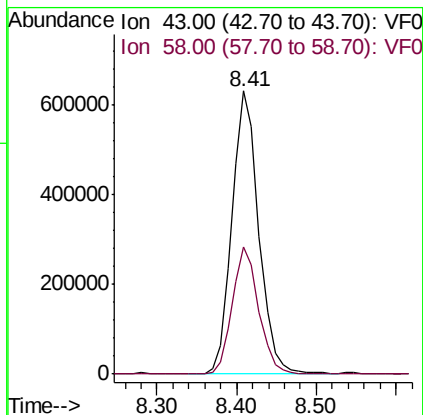
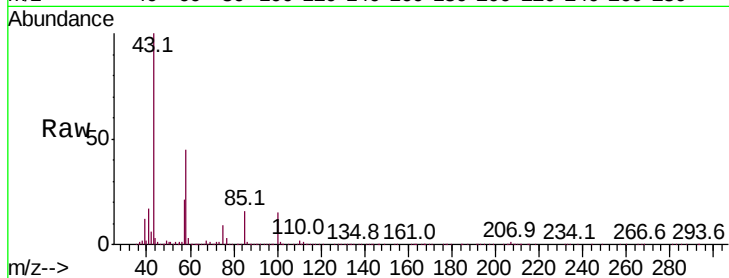
58 44.9 34.9 52.3

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#52

Toluene

Concen: 53.767 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF062753.D

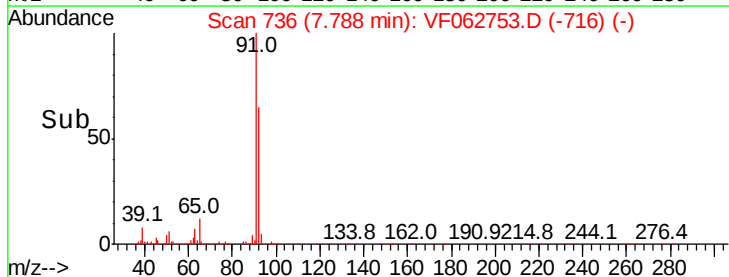
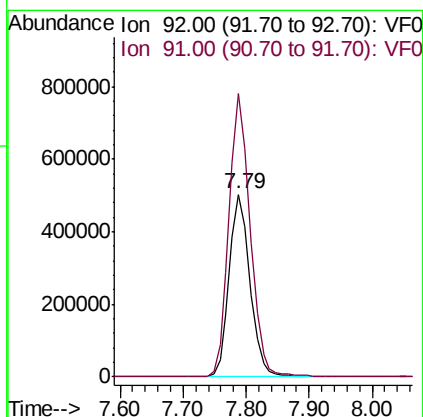
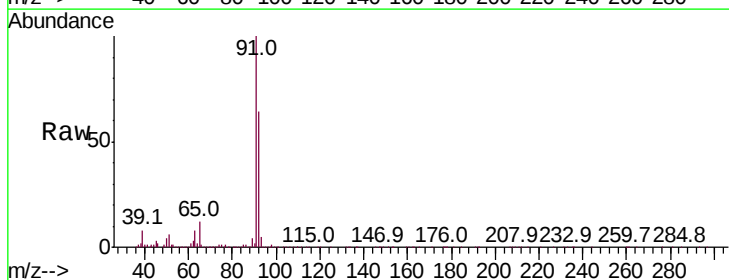
Acq: 28 May 2019 10:52

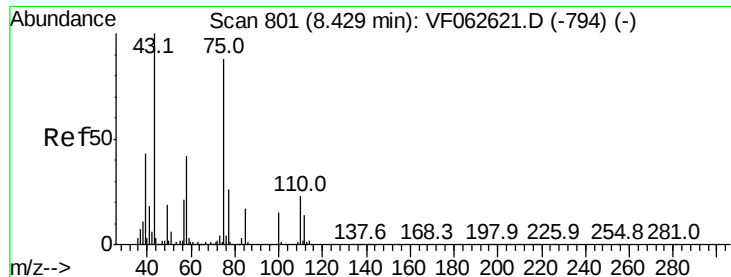
Tgt Ion: 92 Resp: 1148620

Ion Ratio Lower Upper

92 100

91 155.2 125.4 188.0





#53

t-1,3-Dichloropropene

Concen: 56.821 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.01 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 573498

Ion Ratio Lower Upper

75 100

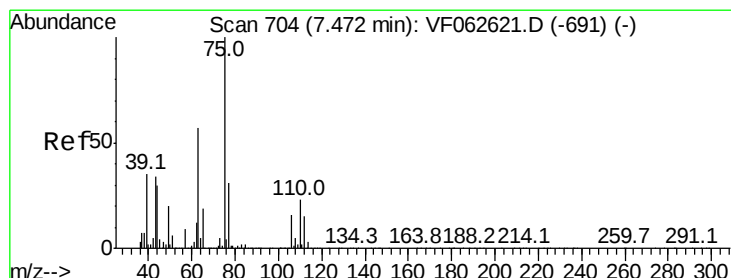
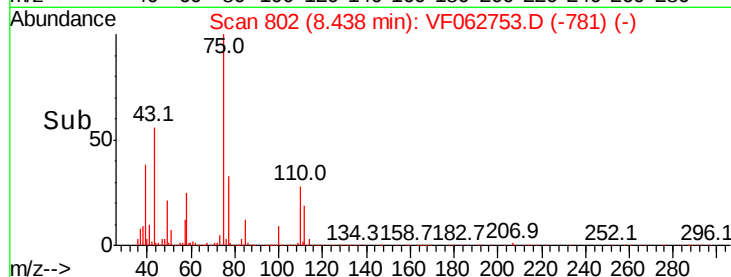
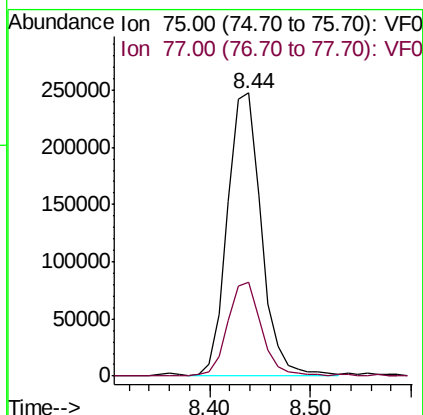
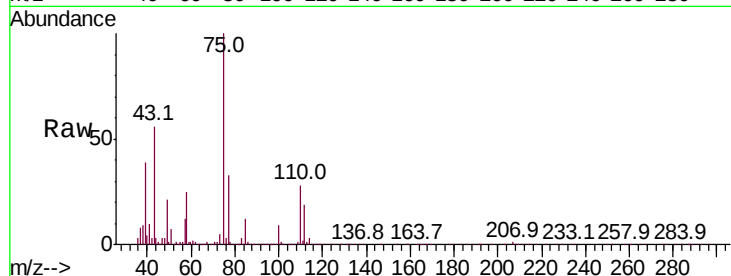
77 33.4 24.2 36.4

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#54

cis-1,3-Dichloropropene

Concen: 57.668 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

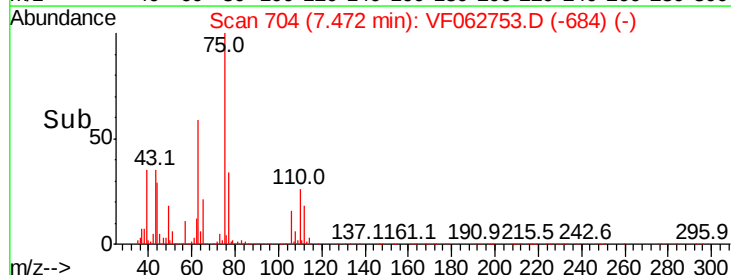
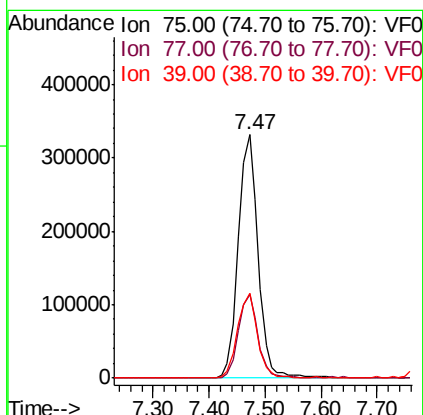
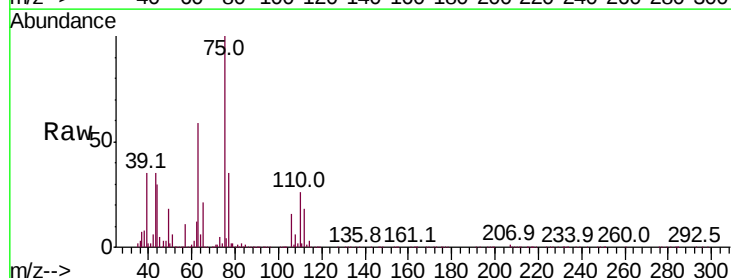
Tgt Ion: 75 Resp: 814768

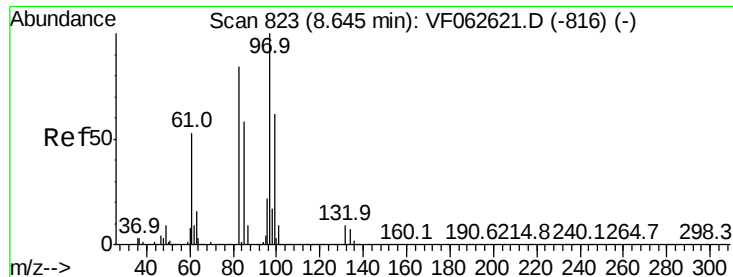
Ion Ratio Lower Upper

75 100

77 34.6 25.3 37.9

39 34.8 28.2 42.2





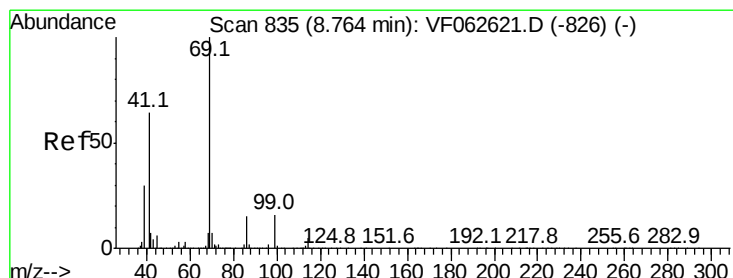
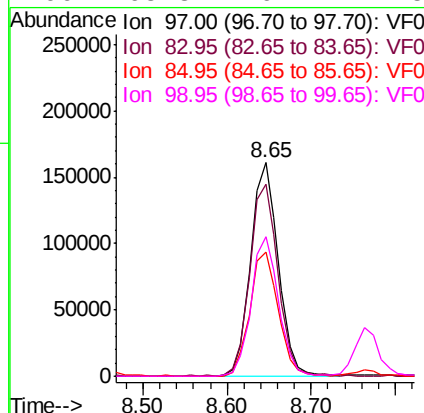
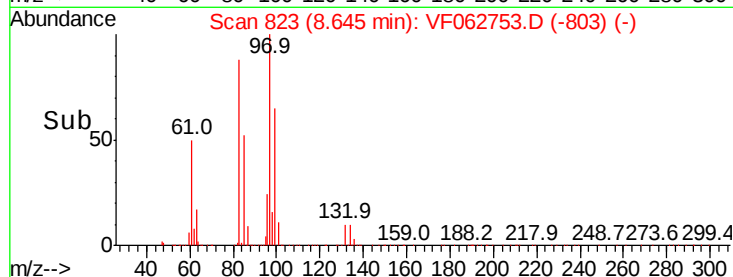
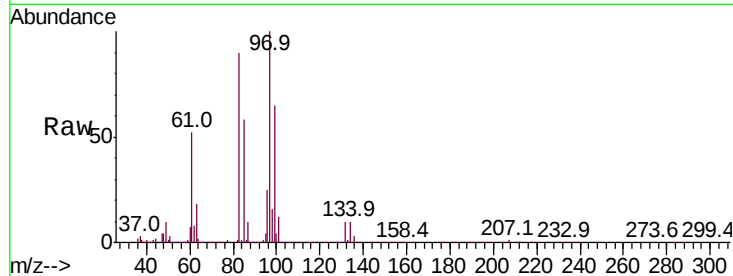
#55
1,1,2-Trichloroethane
Concen: 58.729 ug/l
RT: 8.65 min Scan# 823
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		371473		
83	90.2	67.3	100.9		
85	57.9	46.6	69.8		
99	65.3	49.7	74.5		

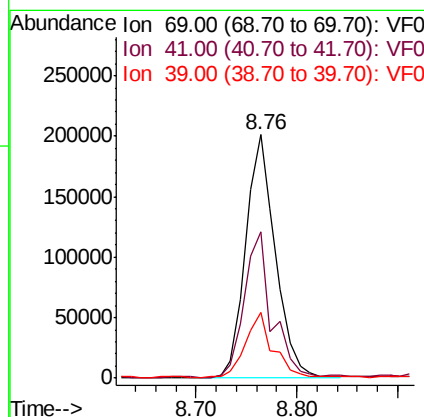
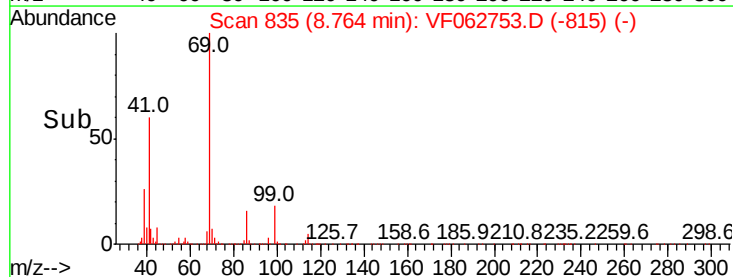
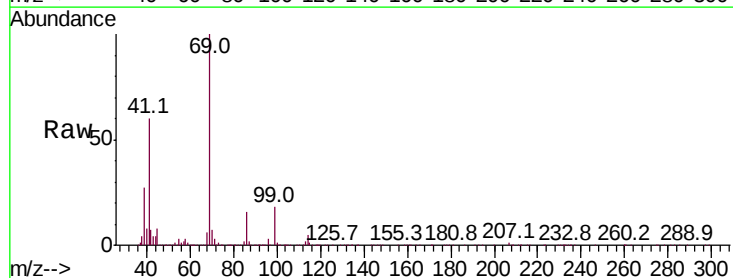
Manual Integrations
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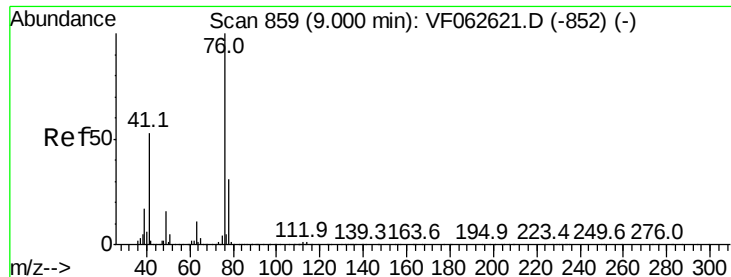
MMDadoda
5/29/2019 11:01:51 AM



#56
Ethyl methacrylate
Concen: 54.936 ug/l
RT: 8.76 min Scan# 835
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		413982		
41	60.0	51.4	77.2		
39	26.9	23.6	35.4		





#57

1,3-Dichloropropane

Concen: 56.552 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF062753.D

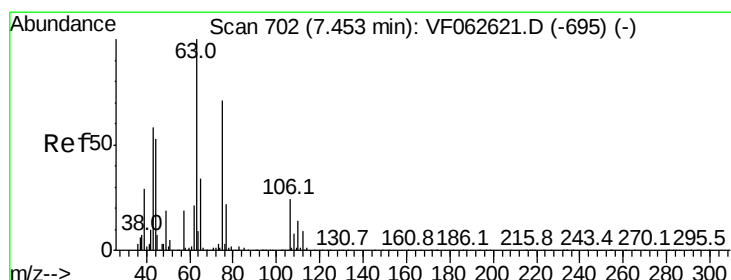
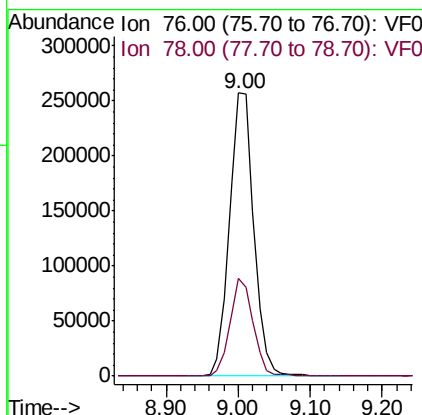
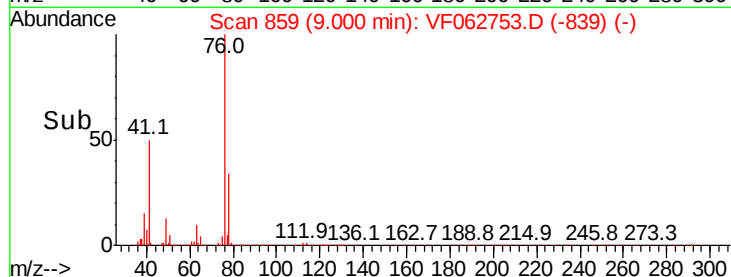
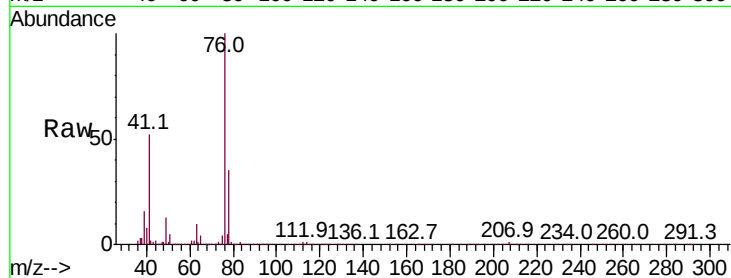
Acq: 28 May 2019 10:52

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.5	25.4	38.0

Manual Integrations
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5/29/2019 11:01:51 AM



#58

2-Chloroethyl Vinyl ether

Concen: 279.906 ug/l

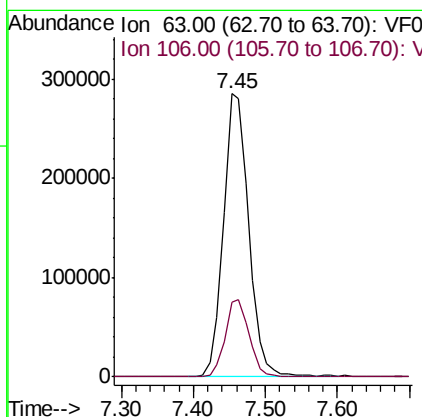
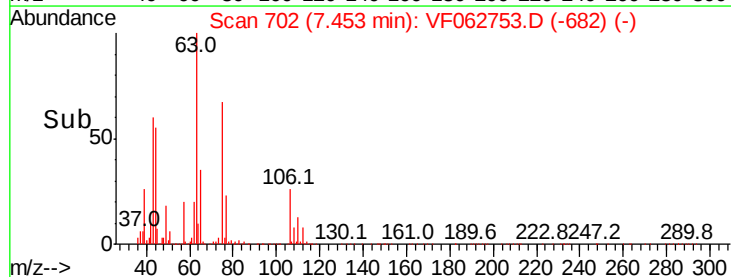
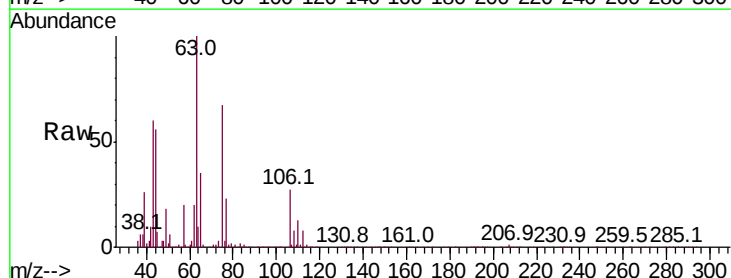
RT: 7.45 min Scan# 702

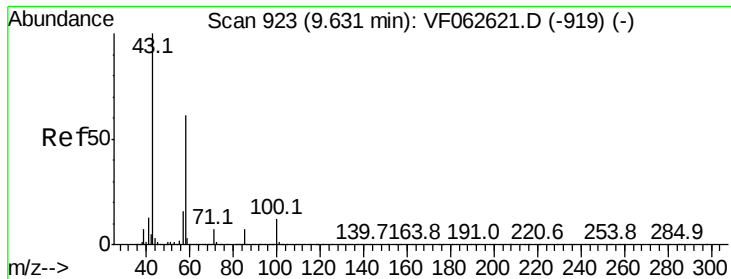
Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.5	19.1	28.7





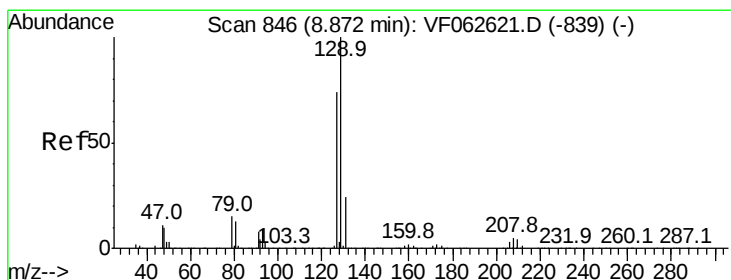
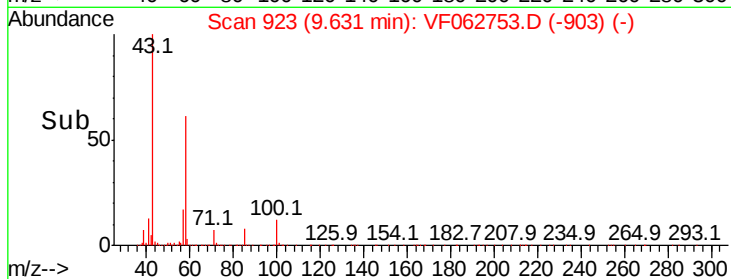
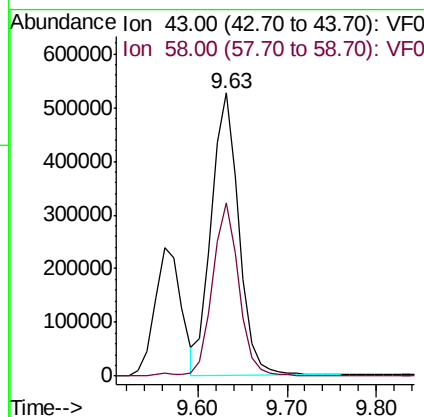
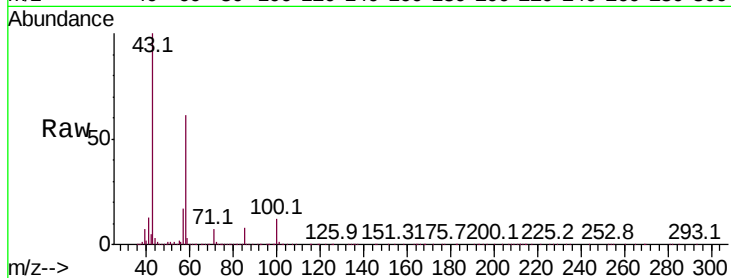
#59
2-Hexanone
Concen: 326.277 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1128518
Ion Ratio Lower Upper
43 100
58 61.4 28.1 84.4

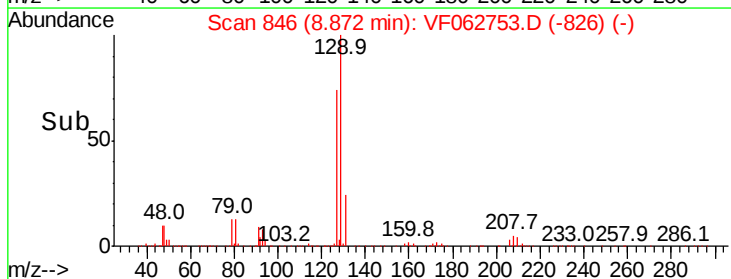
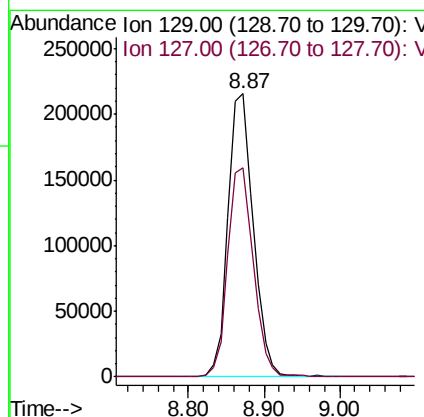
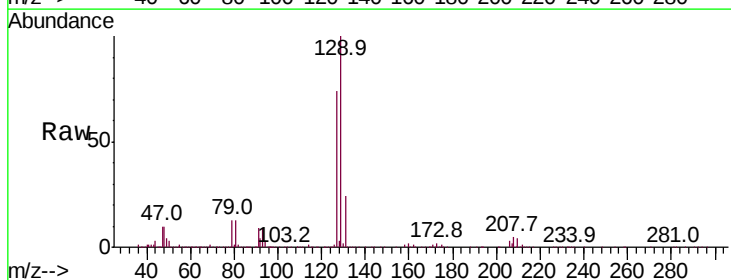
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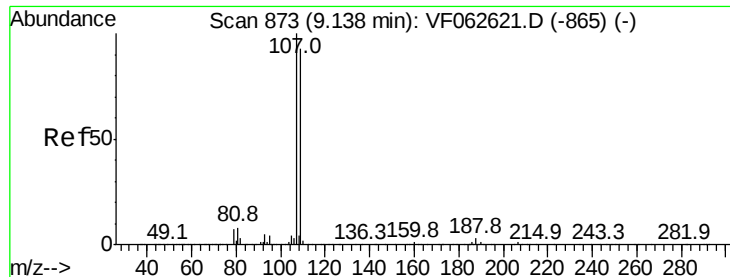
MMDadoda
5/29/2019 11:01:51 AM



#60
Dibromochloromethane
Concen: 60.484 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Tgt Ion: 129 Resp: 498621
Ion Ratio Lower Upper
129 100
127 74.0 37.2 111.6





#61

1,2-Dibromoethane

Concen: 58.079 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 390193

Ion Ratio Lower Upper

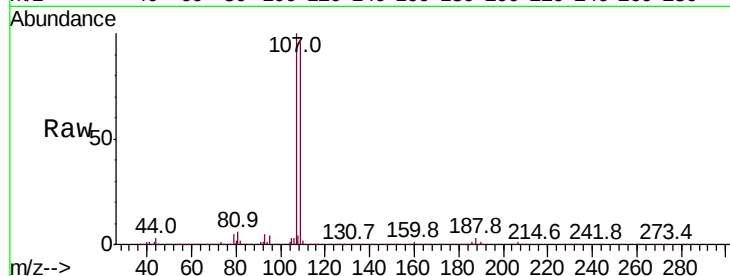
107 100

109 95.7 74.8 112.2

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

200000

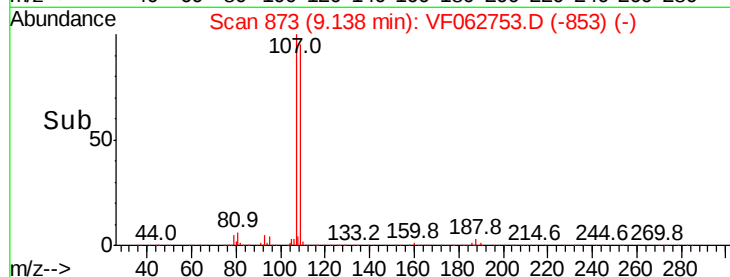
150000

100000

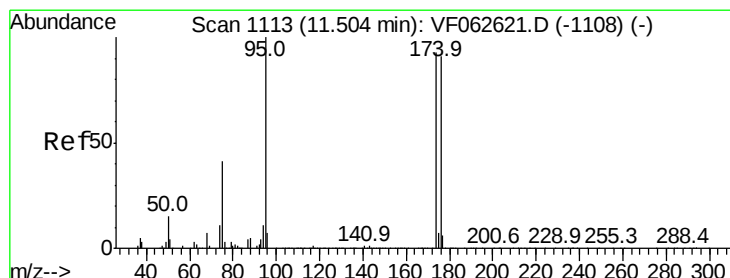
50000

0

Time-->



Time-->



#62

4-Bromofluorobenzene

Concen: 45.498 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

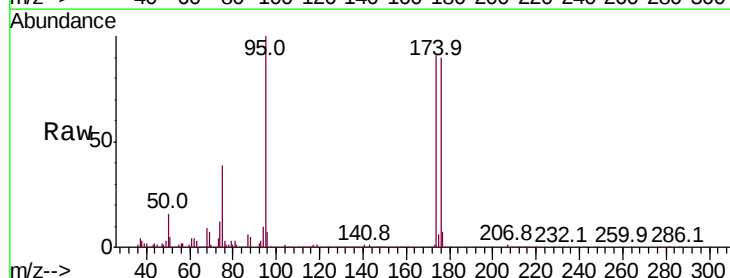
Tgt Ion: 95 Resp: 460039

Ion Ratio Lower Upper

95 100

174 90.9 0.0 185.6

176 89.6 0.0 182.4



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

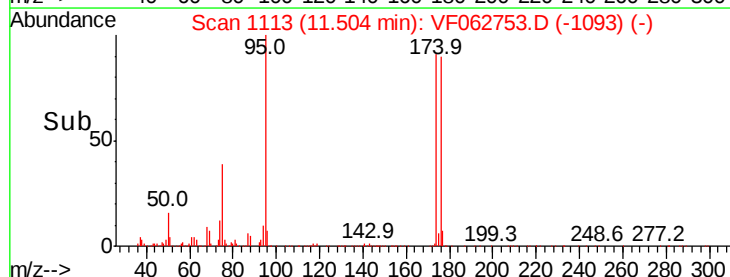
300000

200000

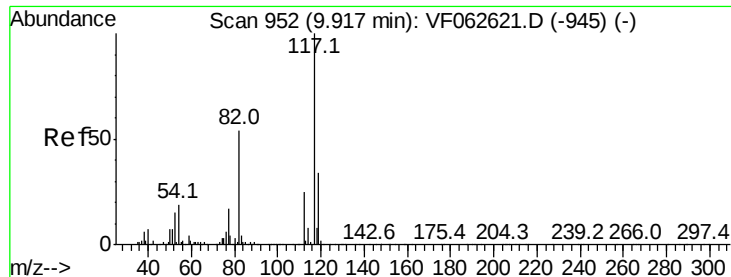
100000

0

Time-->



Time-->



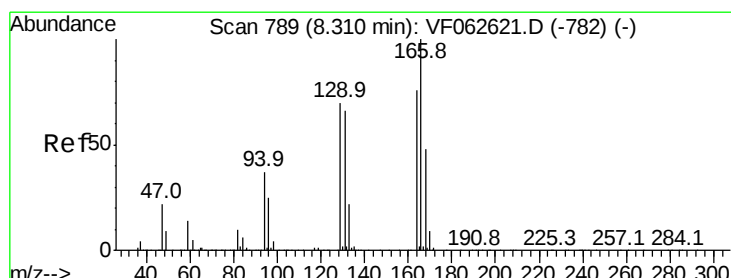
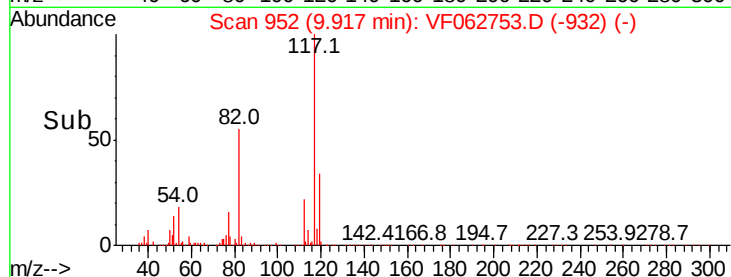
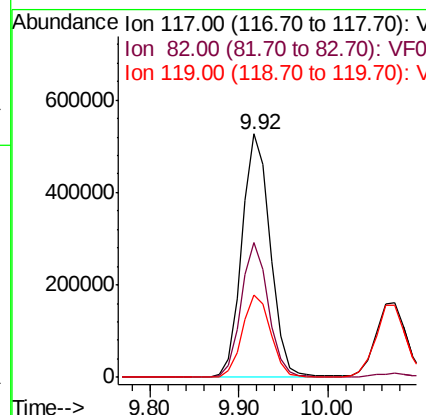
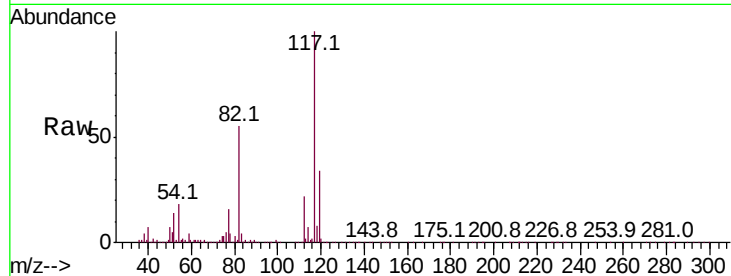
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	43.3	64.9
119	33.8	27.4	41.0

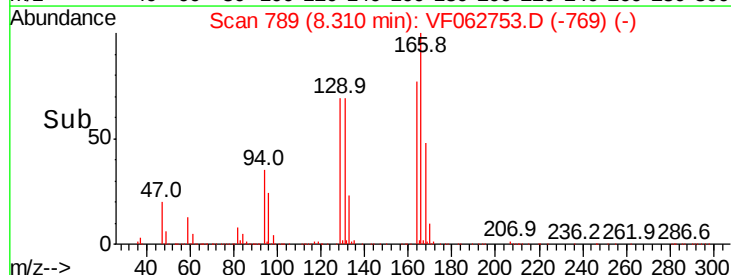
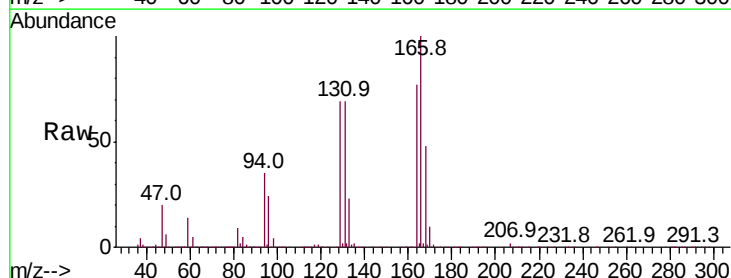
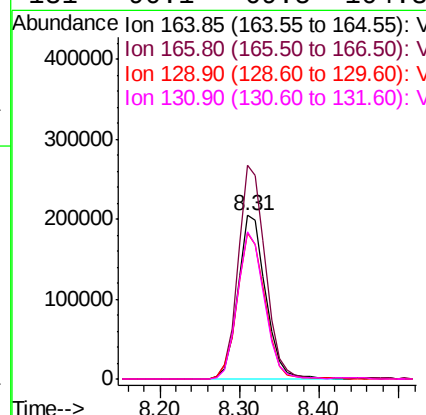
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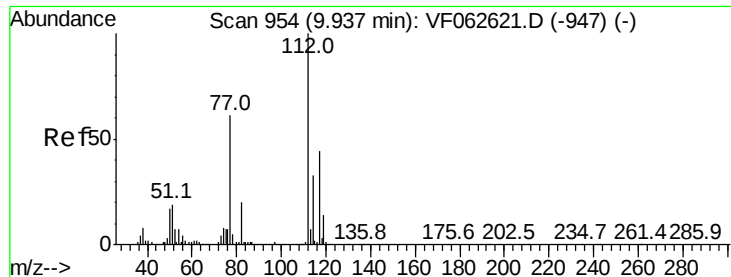
MMDadoda
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#64
Tetrachloroethene
Concen: 53.428 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.6	105.5	158.3
129	89.5	73.8	110.6
131	90.1	69.5	104.3





#65

Chlorobenzene

Concen: 53.833 ug/l

RT: 9.95 min Scan# 955

Delta R.T. 0.01 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 1233201

Ion Ratio Lower Upper

112 100

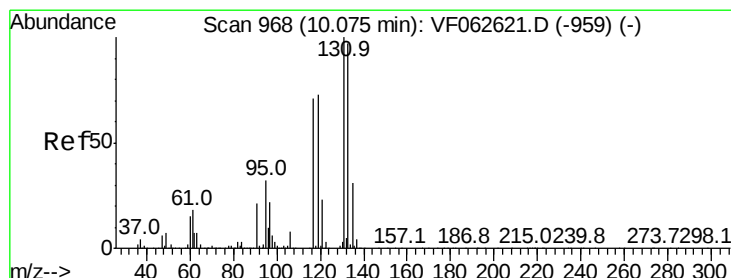
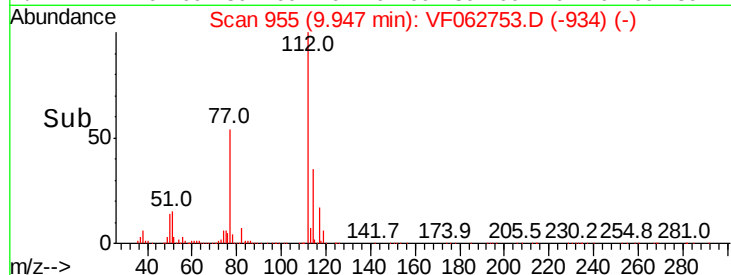
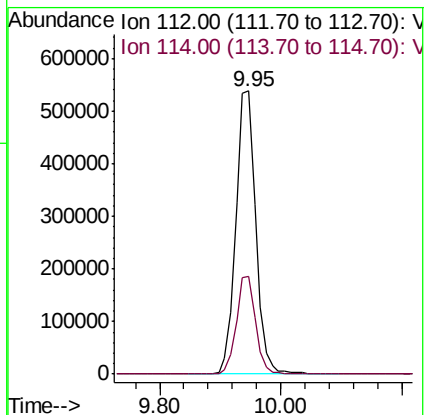
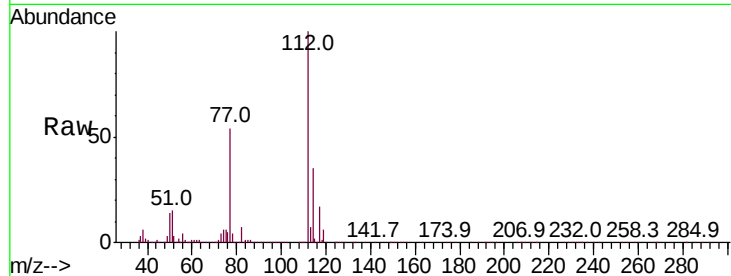
114 34.7 26.8 40.2

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#66

1,1,1,2-Tetrachloroethane

Concen: 54.113 ug/l

RT: 10.07 min Scan# 968

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

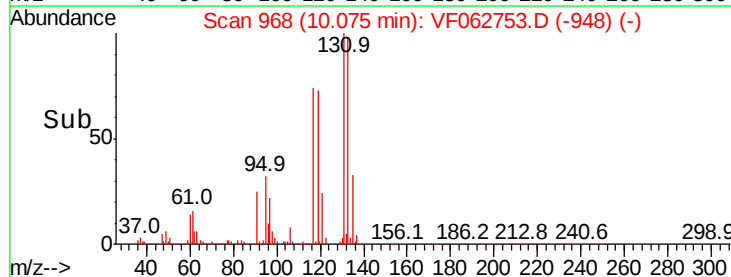
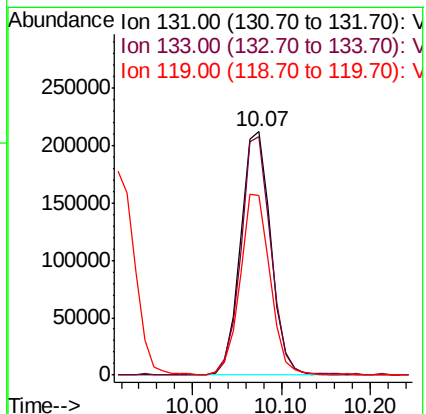
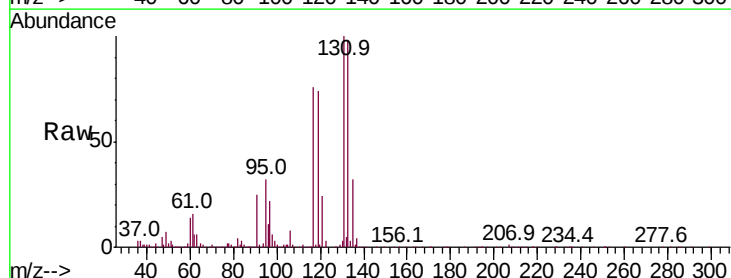
Tgt Ion:131 Resp: 497635

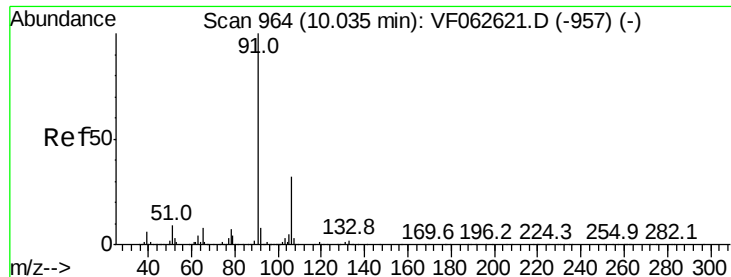
Ion Ratio Lower Upper

131 100

133 98.1 48.5 145.5

119 73.8 36.8 110.4





#67

Ethyl Benzene

Concen: 50.617 ug/l

RT: 10.04 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 2014349

Ion Ratio Lower Upper

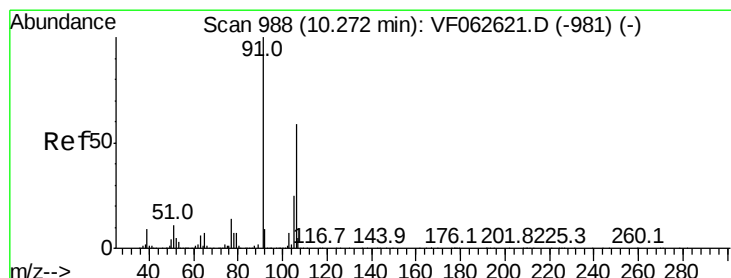
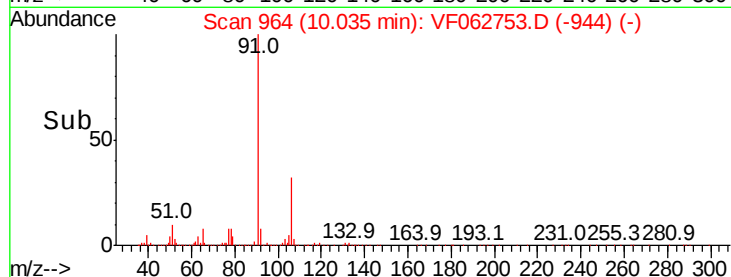
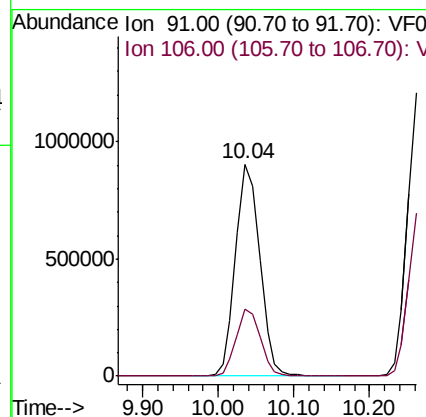
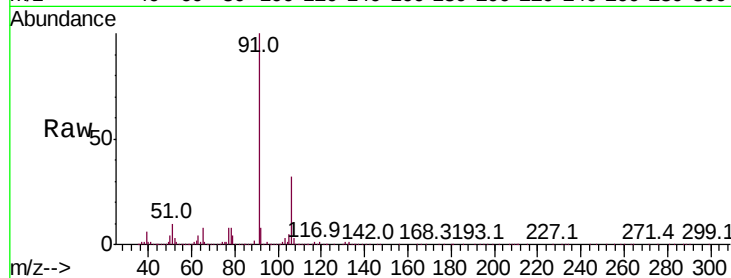
91 100

106 31.9 25.8 38.8

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#68

m/p-Xylenes

Concen: 103.756 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF062753.D

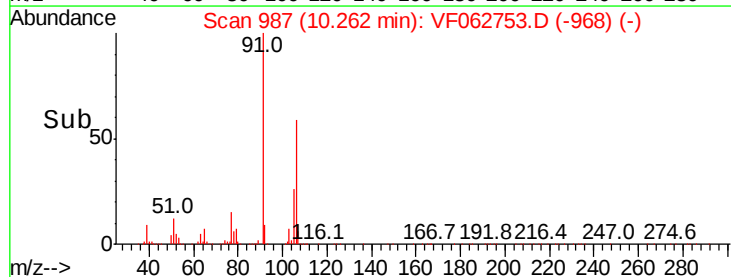
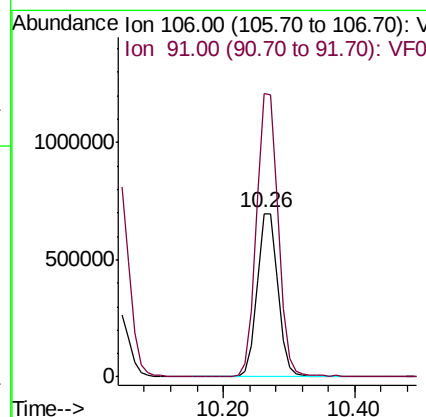
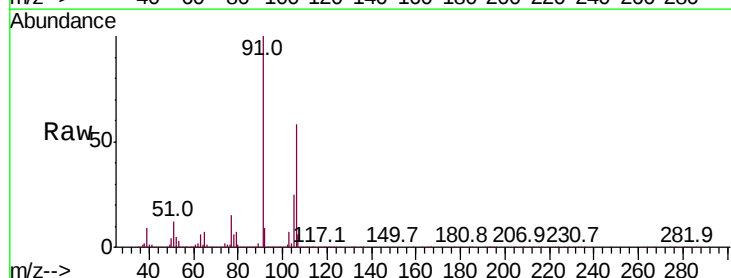
Acq: 28 May 2019 10:52

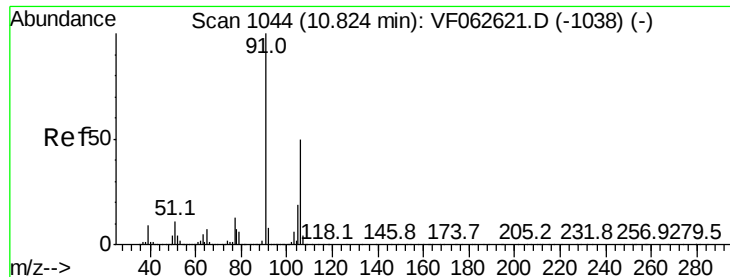
Tgt Ion: 106 Resp: 1551886

Ion Ratio Lower Upper

106 100

91 173.1 136.9 205.3





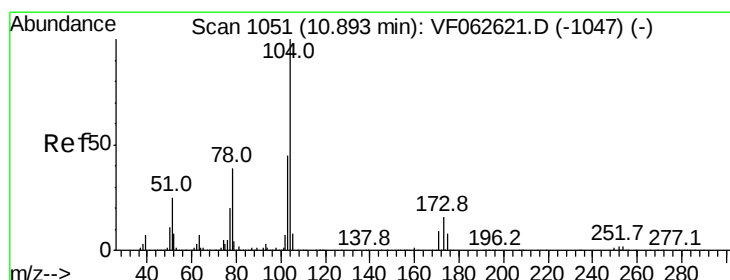
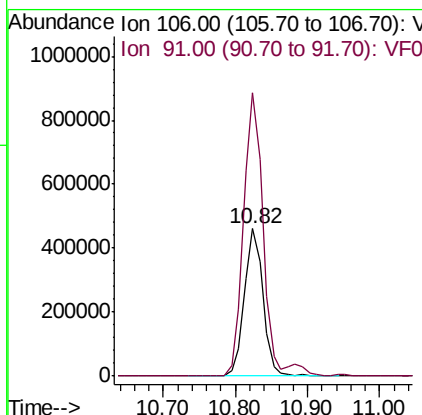
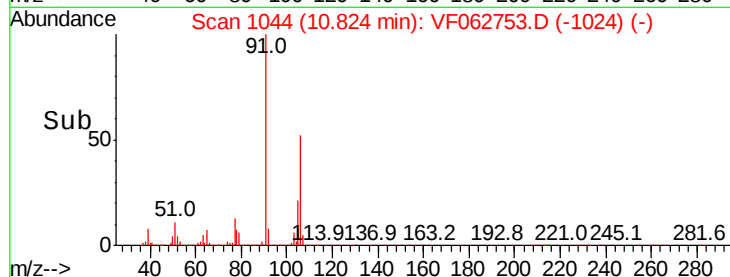
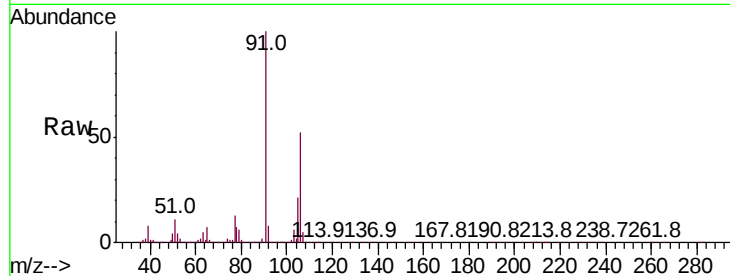
#69
o-Xylene
Concen: 54.447 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	192.2	100.2	300.5

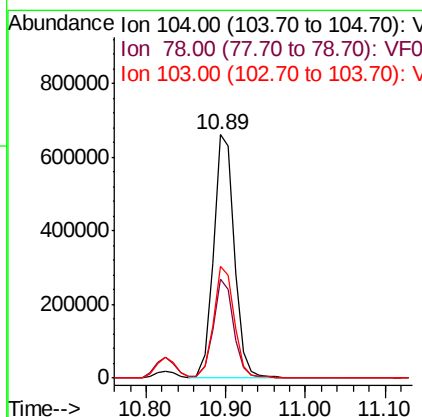
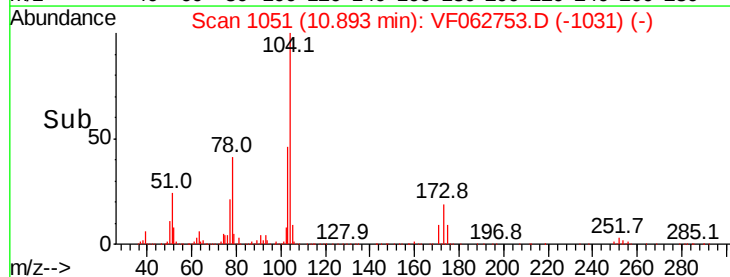
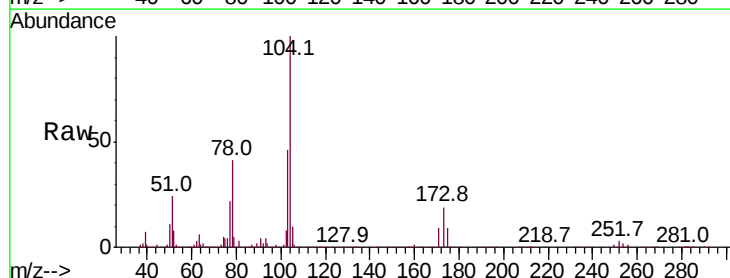
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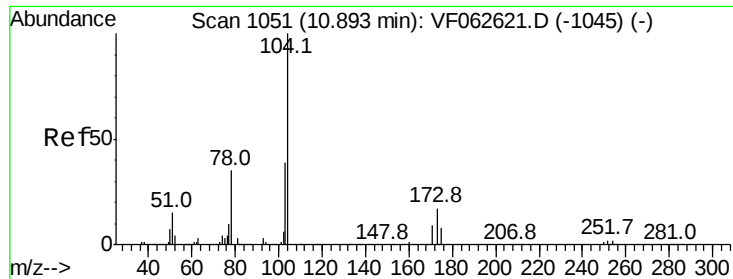
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#70
Styrene
Concen: 52.303 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Tgt Ion	Ratio	Lower	Upper
104	100		
78	40.8	31.9	47.9
103	45.7	36.1	54.1





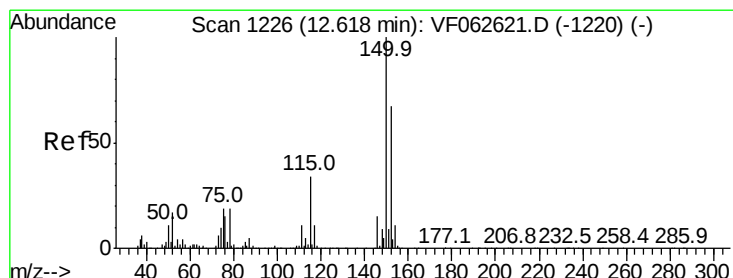
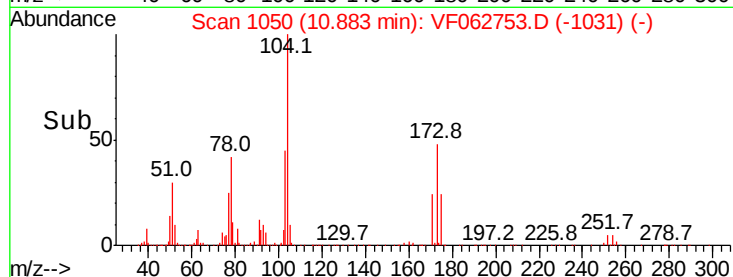
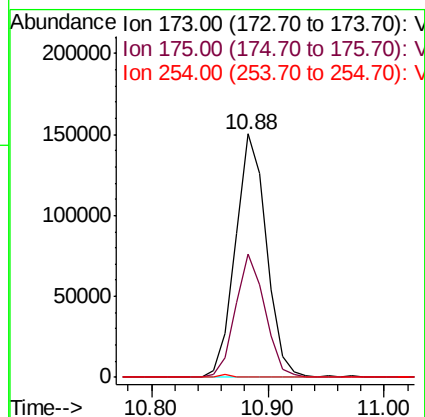
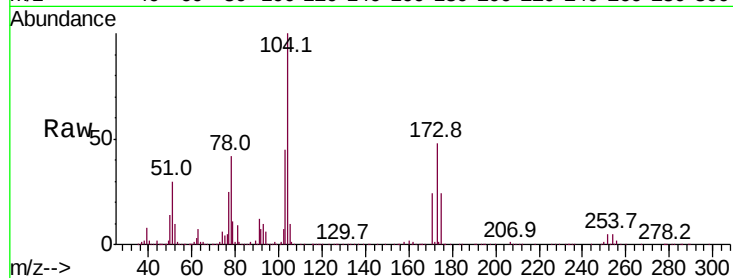
#71
Bromoform
Concen: 60.448 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.4	25.3	75.9
254	0.2	0.2	0.2

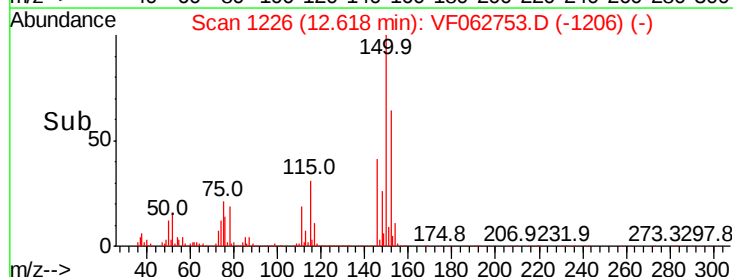
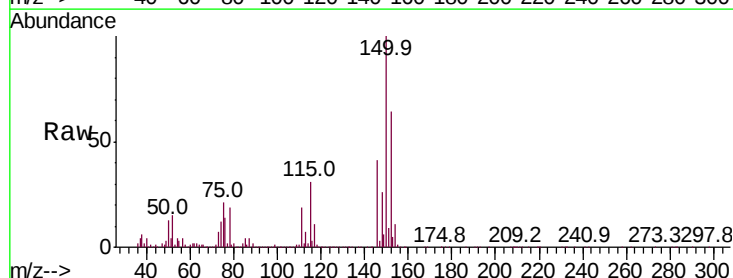
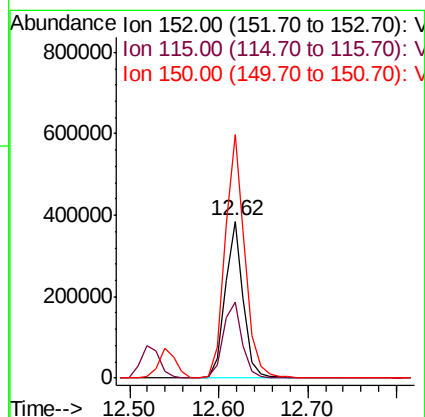
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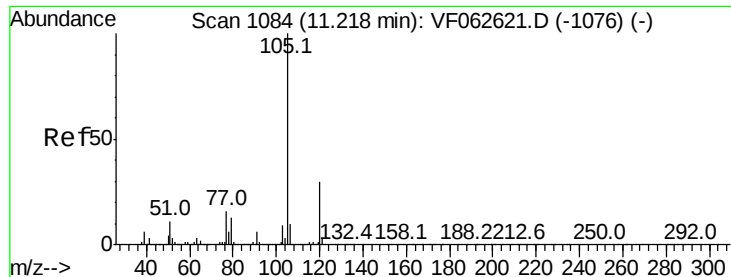
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	48.1	25.2	75.6
150	155.4	0.0	306.2





#73

Isopropylbenzene

Concen: 54.222 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2134480

Ion Ratio Lower Upper

105 100

120 29.5

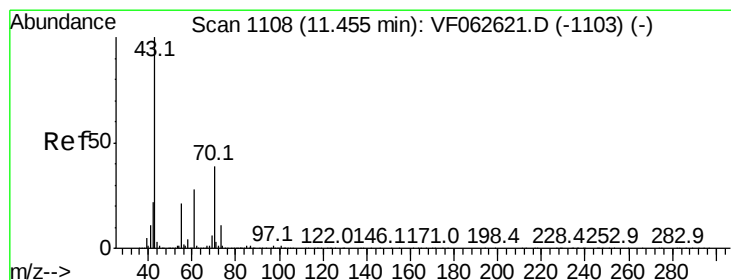
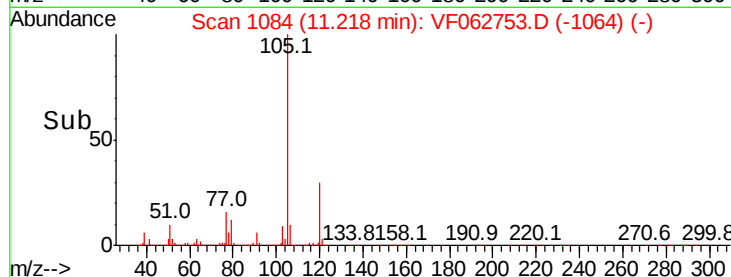
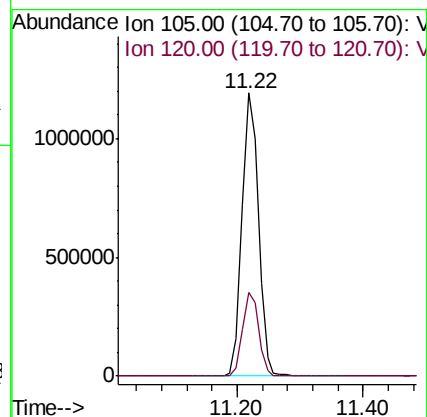
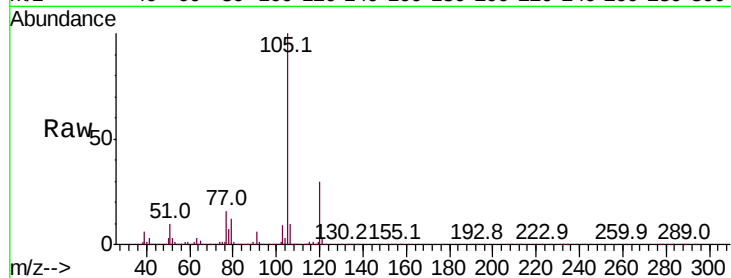
14.8

44.4

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#74

N-ethyl acetate

Concen: 63.274 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Tgt Ion: 43 Resp: 619415

Ion Ratio Lower Upper

43 100

70 41.4

30.9

46.3

55 21.8

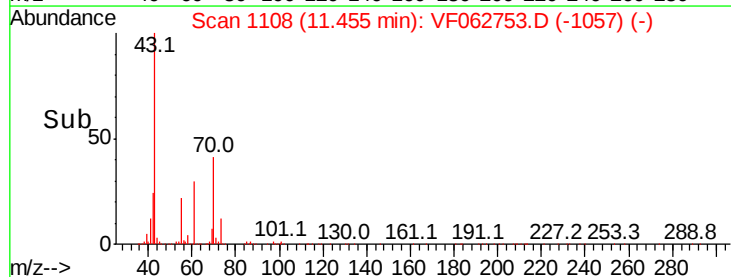
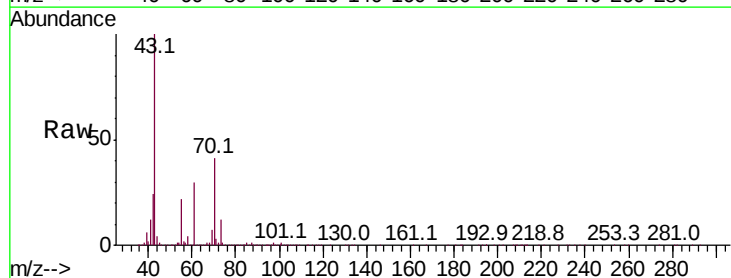
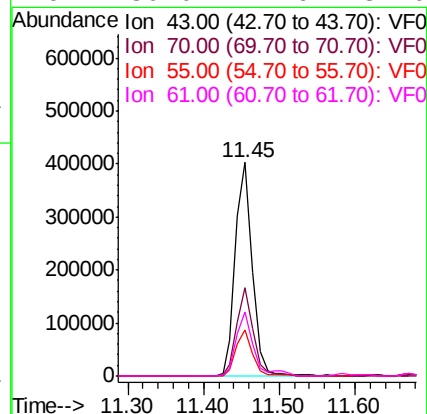
17.0

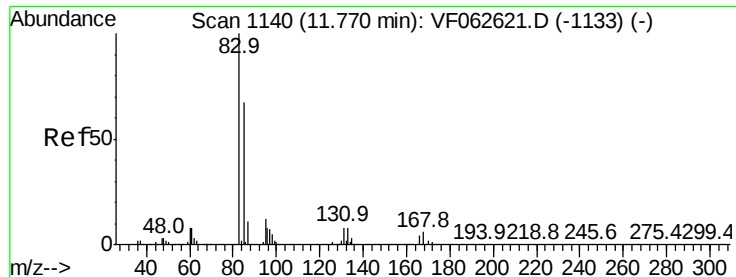
25.4

61 30.0

22.6

34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 55.867 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

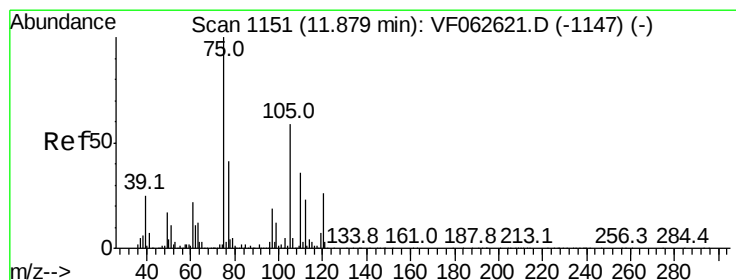
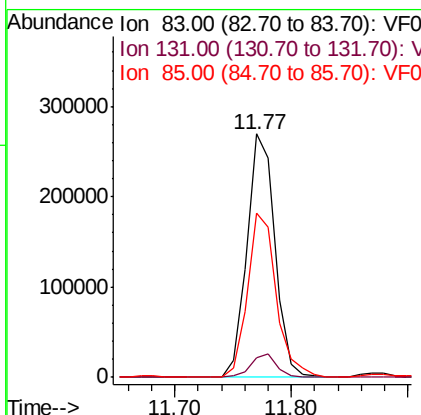
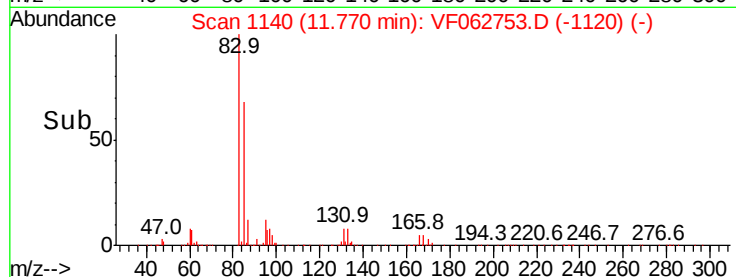
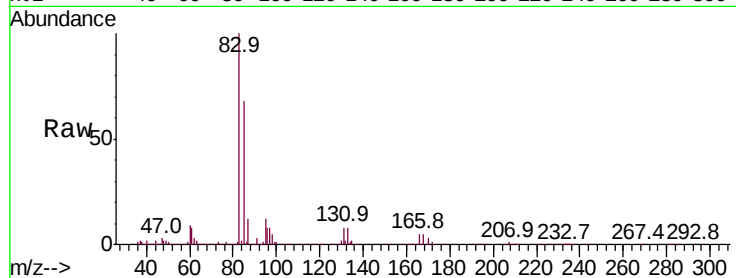
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	449449
Ion Ratio	Lower	Upper	
83	100		
131	8.2	4.0	12.0
85	67.7	33.5	100.5

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#76

1,2,3-Trichloropropane

Concen: 55.211 ug/l

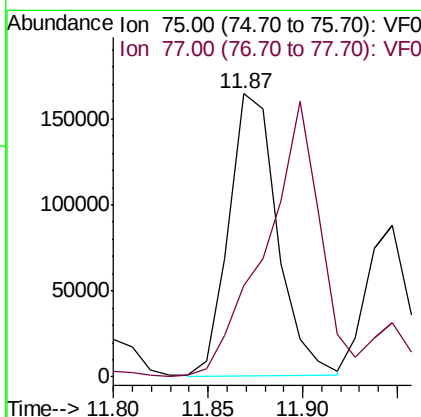
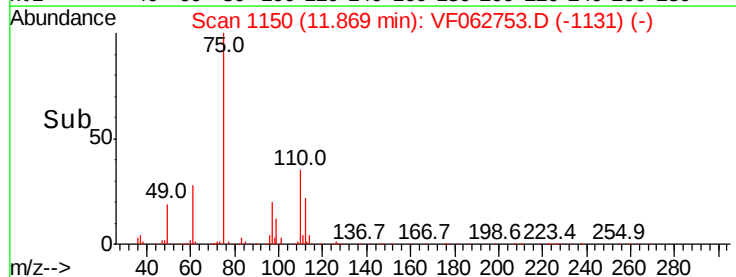
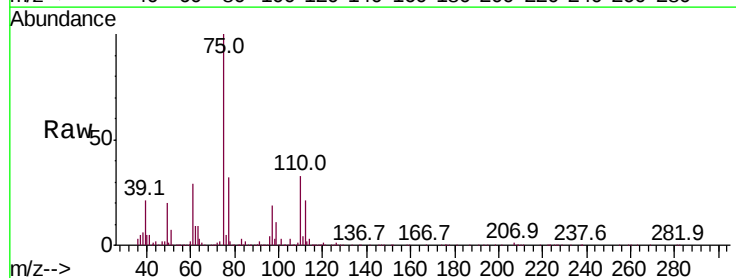
RT: 11.87 min Scan# 1150

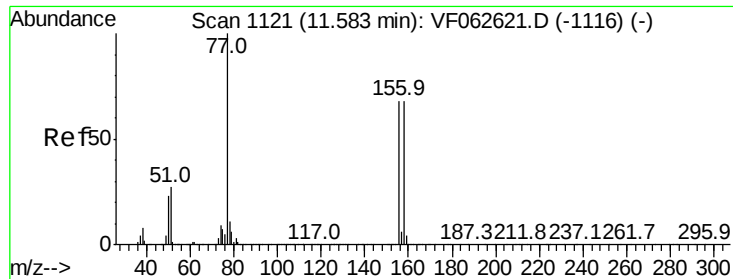
Delta R.T. -0.01 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Tgt Ion:	75	Resp:	291849
Ion Ratio	Lower	Upper	
75	100		
77	32.3	20.6	61.8





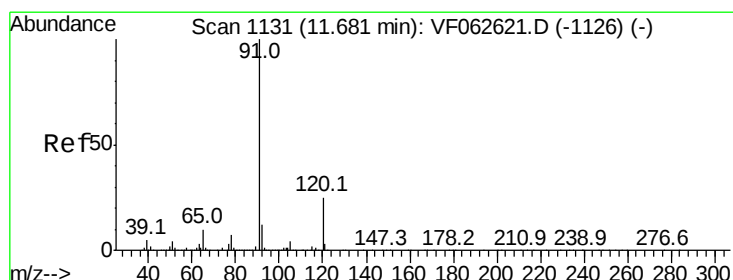
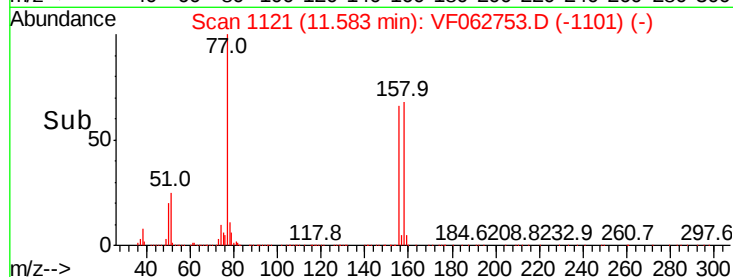
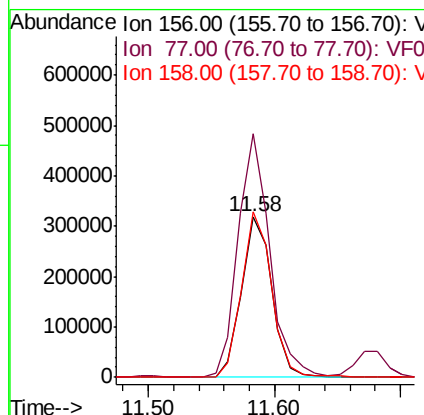
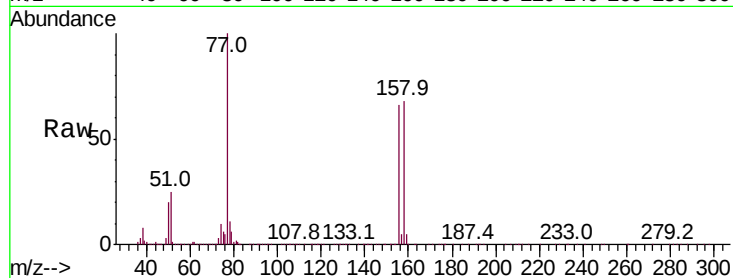
#77
Bromobenzene
Concen: 54.224 ug/l
RT: 11.58 min Scan# 1121
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	151.4	73.6	220.8
158	102.7	49.6	148.8

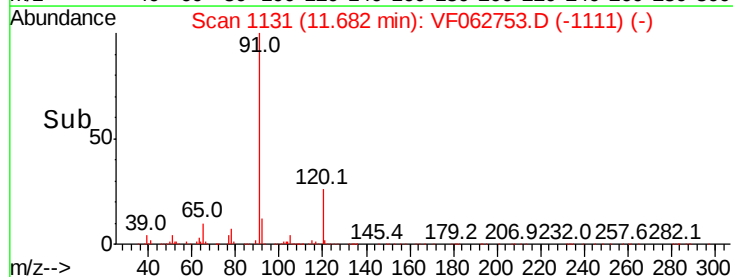
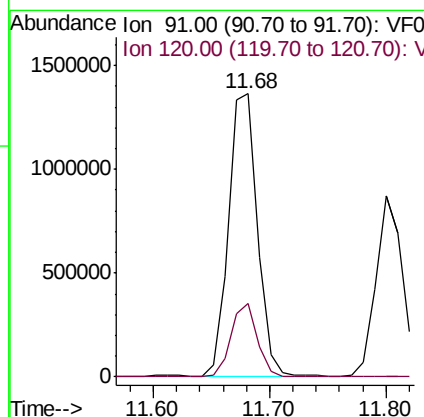
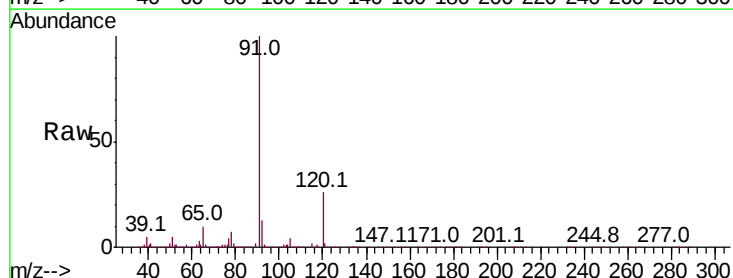
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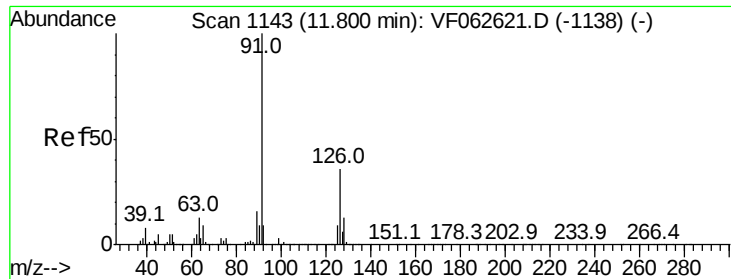
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#78
n-propylbenzene
Concen: 50.339 ug/l
RT: 11.68 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Tgt Ion	Ratio	Lower	Upper
91	100		
120	26.1	12.7	38.1





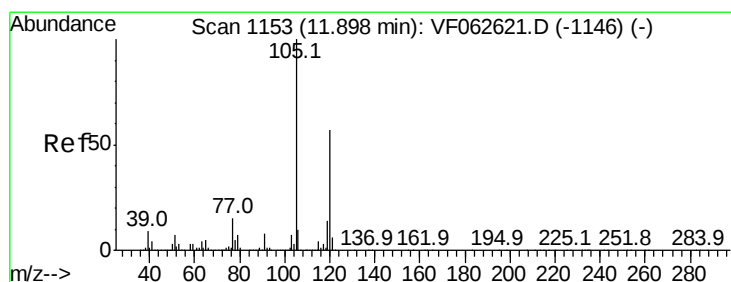
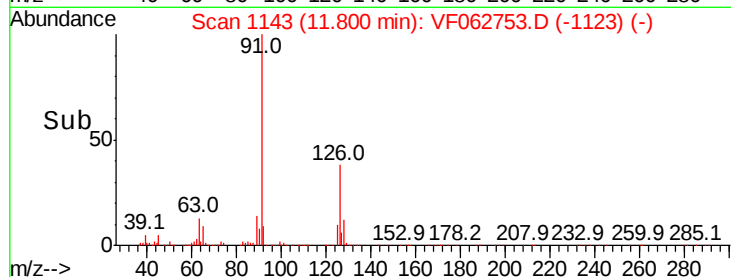
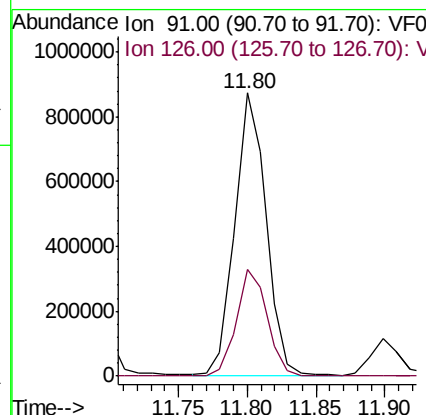
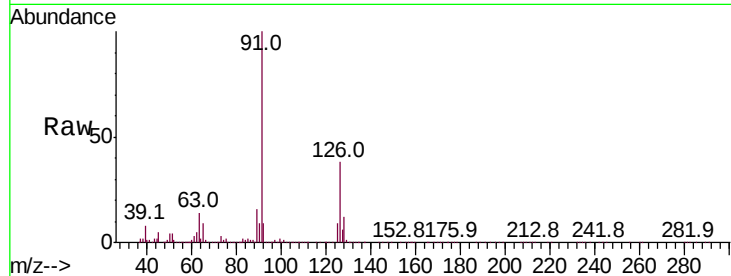
#79
 2-Chlorotoluene
 Concen: 52.148 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VF062753.D
 Acq: 28 May 2019 10:52

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 1369173
 Ion Ratio Lower Upper
 91 100
 126 37.8 18.1 54.4

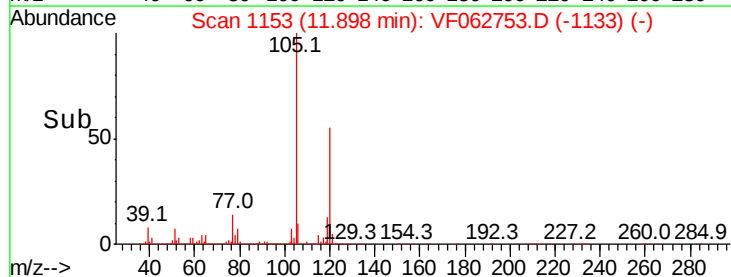
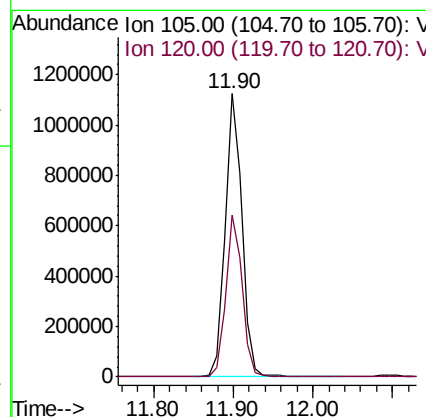
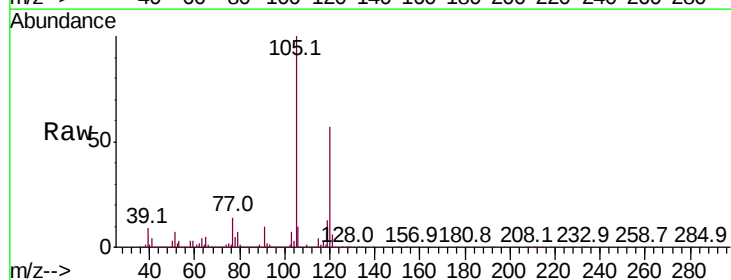
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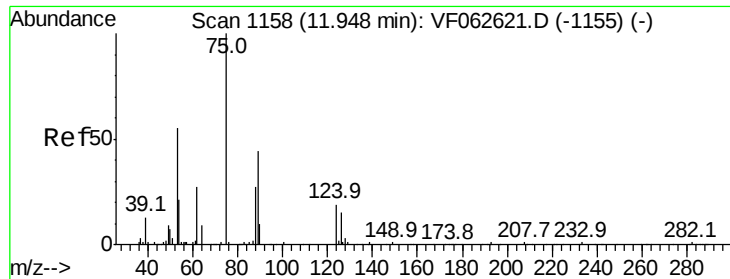
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#80
 1,3,5-Trimethylbenzene
 Concen: 53.113 ug/l
 RT: 11.90 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VF062753.D
 Acq: 28 May 2019 10:52

Tgt Ion: 105 Resp: 1676522
 Ion Ratio Lower Upper
 105 100
 120 57.1 28.7 86.3





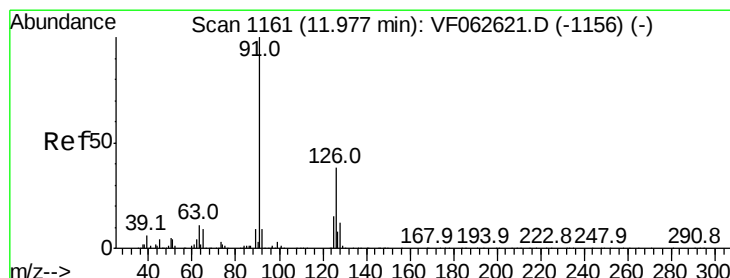
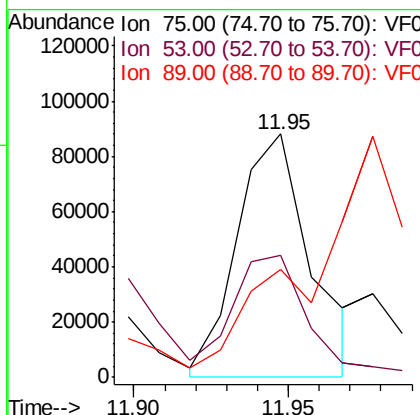
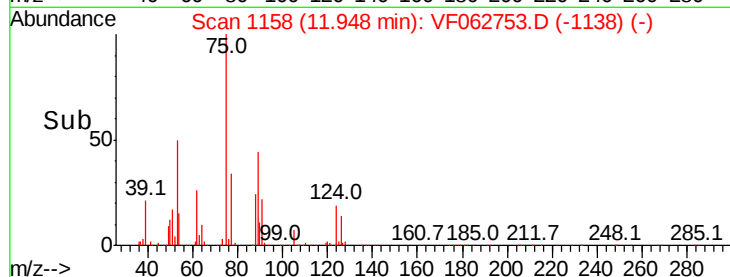
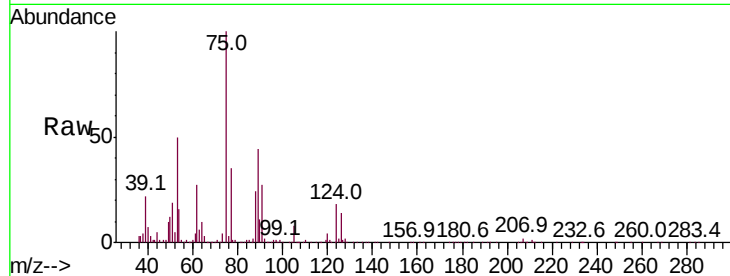
#81
trans-1,4-Dichloro-2-butene
Concen: 62.158 ug/l m
RT: 11.95 min Scan# 1158
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	50.2	46.9	70.3
89	44.2	36.4	54.6

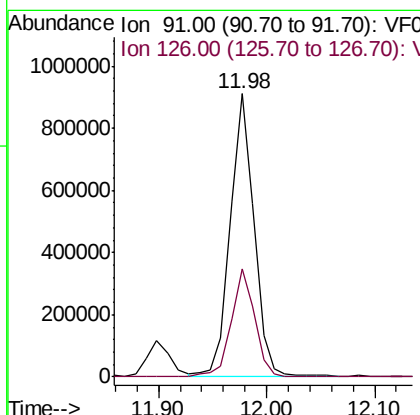
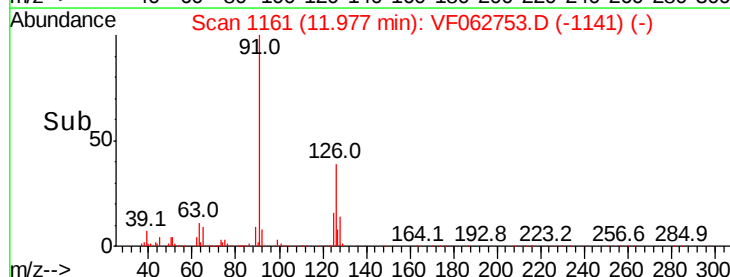
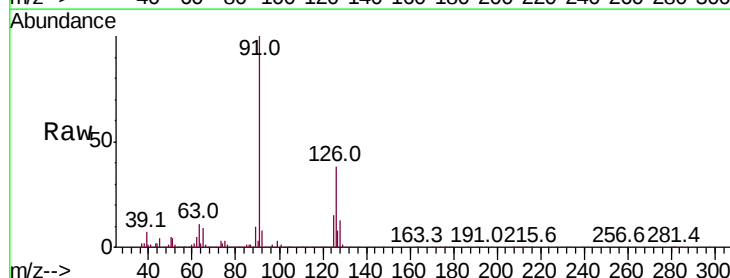
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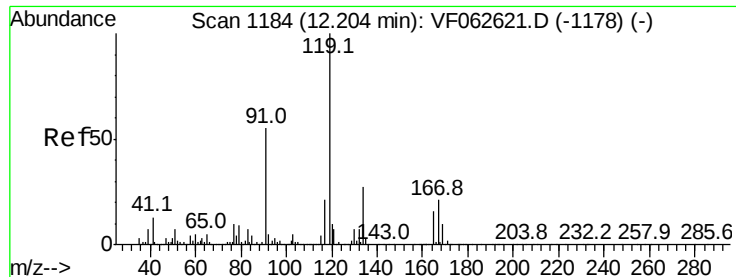
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#82
4-Chlorotoluene
Concen: 53.731 ug/l
RT: 11.98 min Scan# 1161
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	38.3	19.1	57.1





#83

tert-Butylbenzene

Concen: 52.290 ug/l

RT: 12.20 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

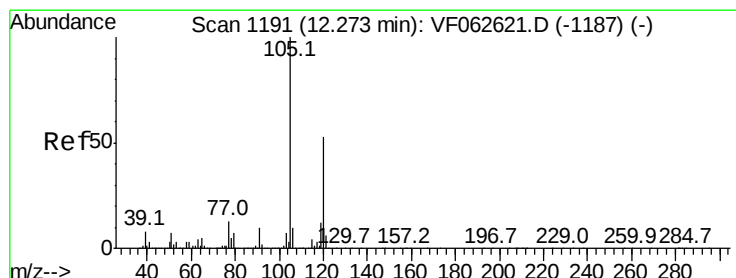
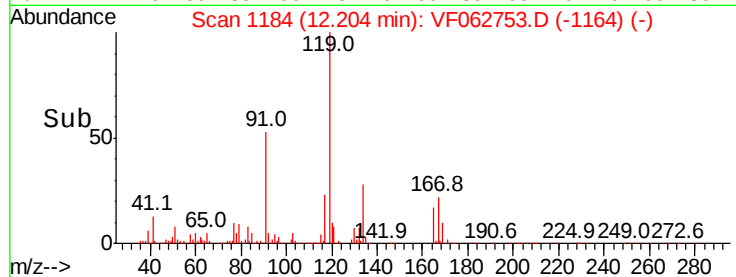
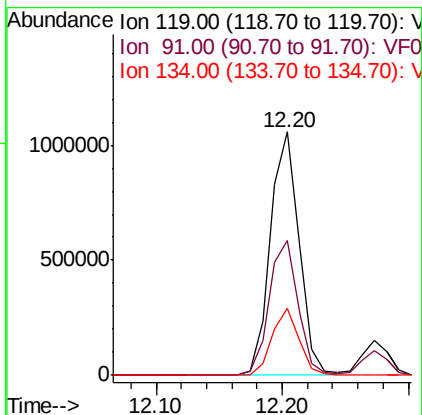
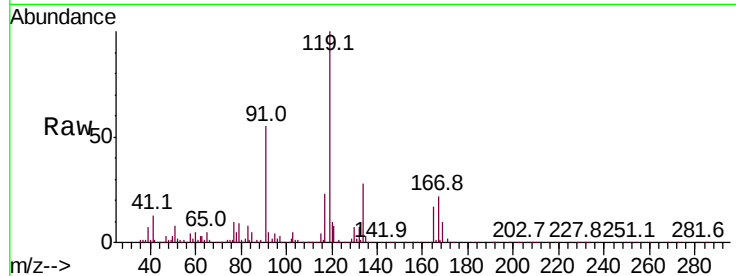
ClientSampled :

VSTDCCC050

Tot Ion:	119	Resp:	1674581
Ion Ratio	Lower	Upper	
119	100		
91	55.3	27.3	81.9
134	27.6	13.6	40.7

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#84

1,2,4-Trimethylbenzene

Concen: 52.961 ug/l

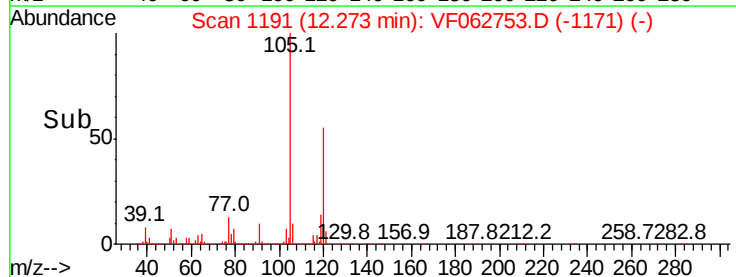
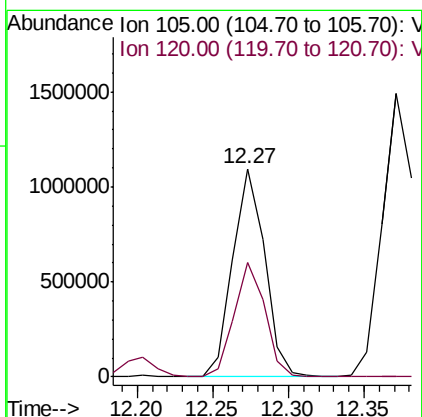
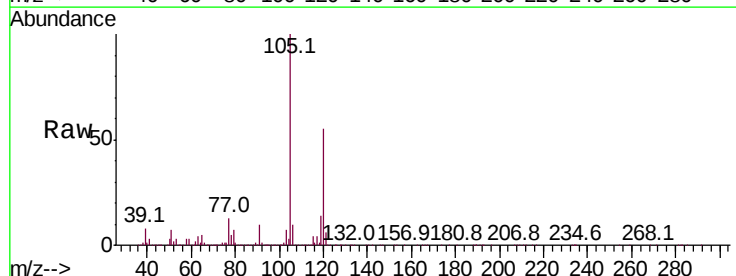
RT: 12.27 min Scan# 1191

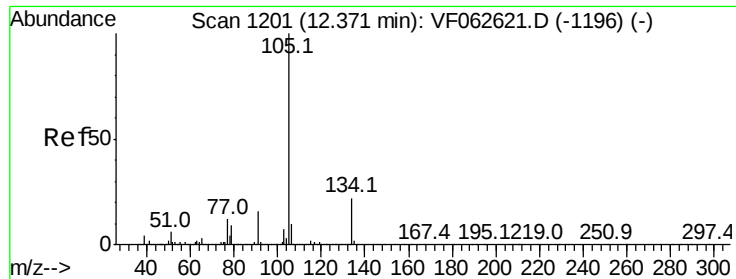
Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Tgt Ion:	105	Resp:	1618028
Ion Ratio	Lower	Upper	
105	100		
120	54.9	26.7	80.1





#85

sec-Butylbenzene

Concen: 52.389 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2251560

Ion Ratio Lower Upper

105 100

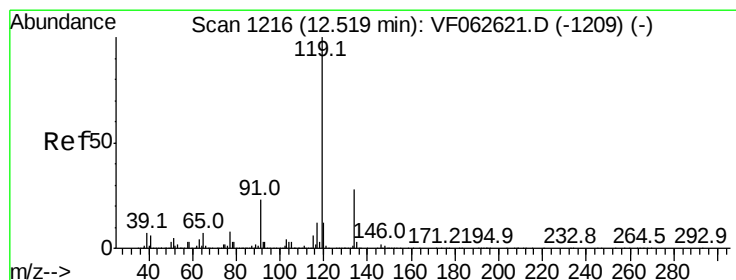
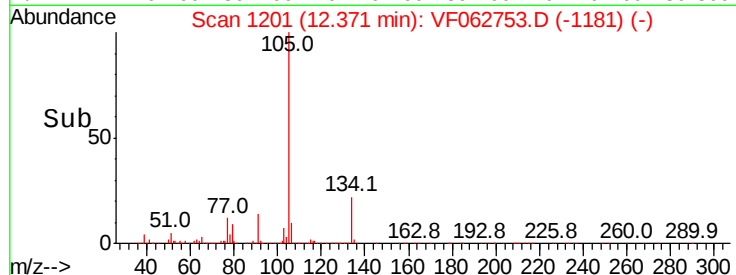
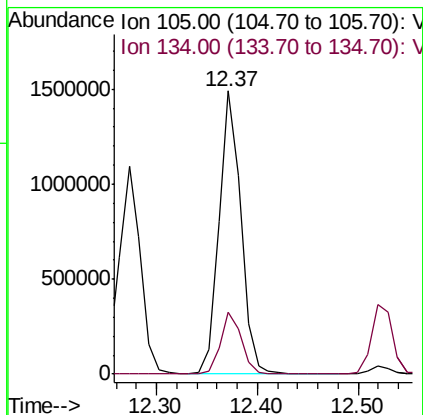
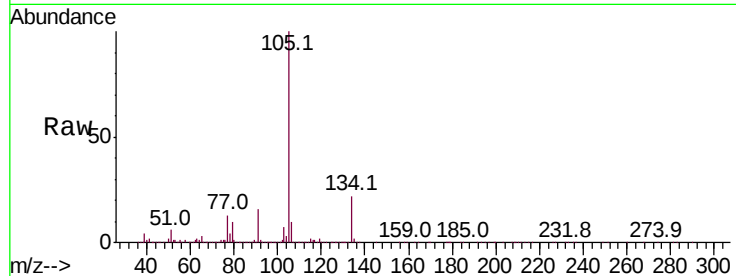
134 21.9 10.8 32.4

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#86

p-Isopropyltoluene

Concen: 51.535 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

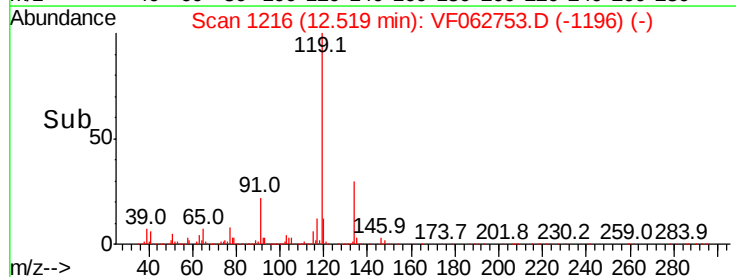
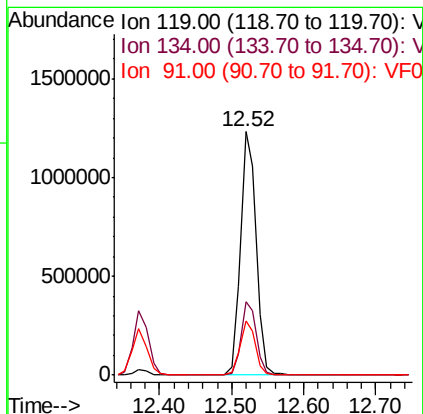
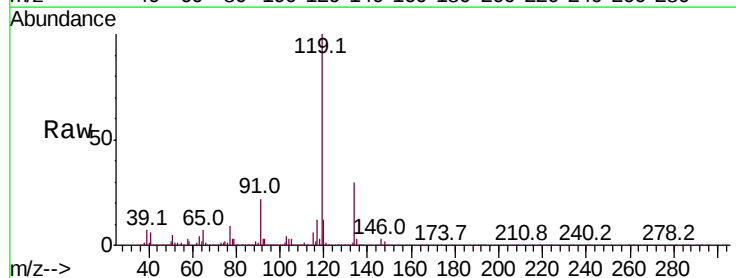
Tgt Ion:119 Resp: 1866559

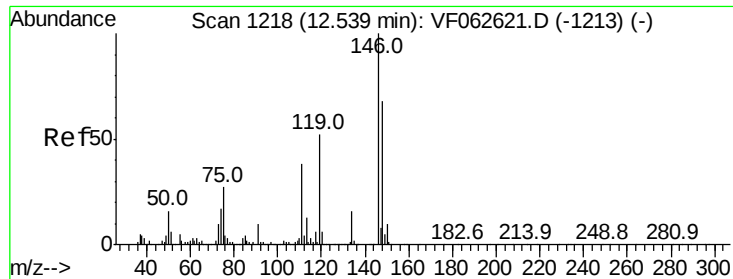
Ion Ratio Lower Upper

119 100

134 29.9 14.1 42.3

91 22.1 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 52.067 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF062753.D

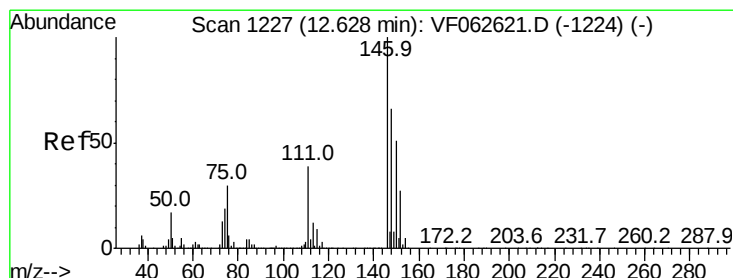
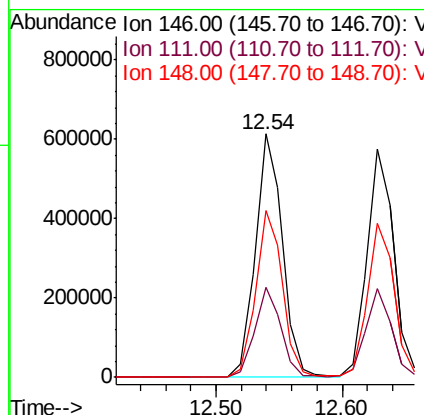
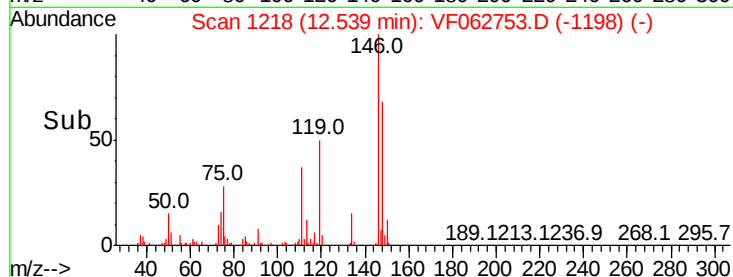
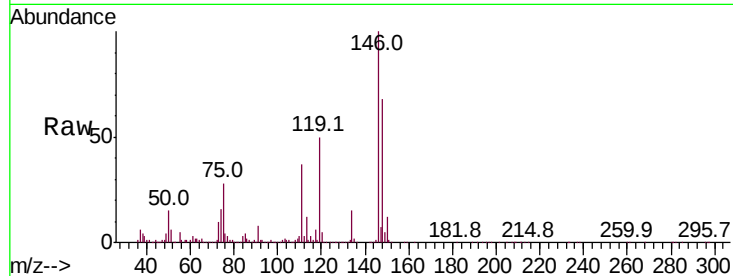
Acq: 28 May 2019 10:52

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.9	56.9
148	68.3	34.0	101.8

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#88

1,4-Dichlorobenzene

Concen: 51.364 ug/l

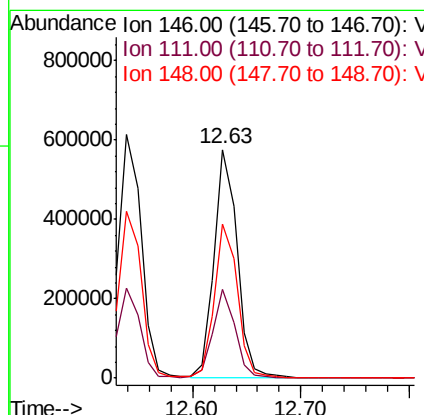
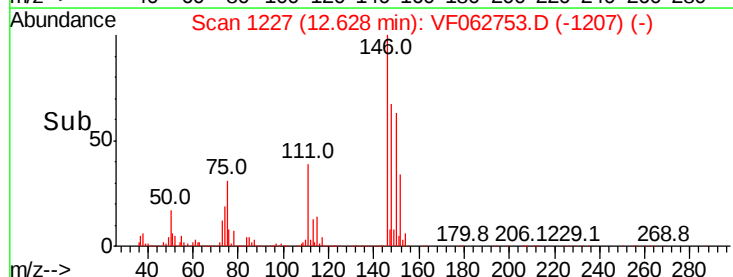
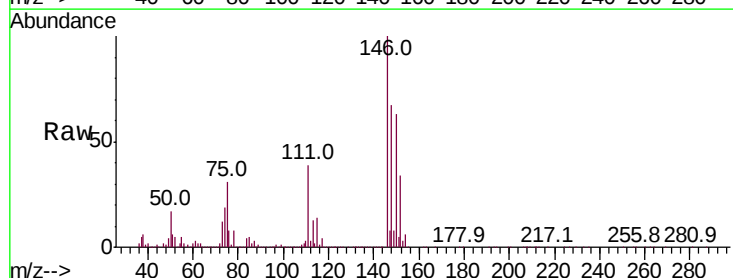
RT: 12.63 min Scan# 1227

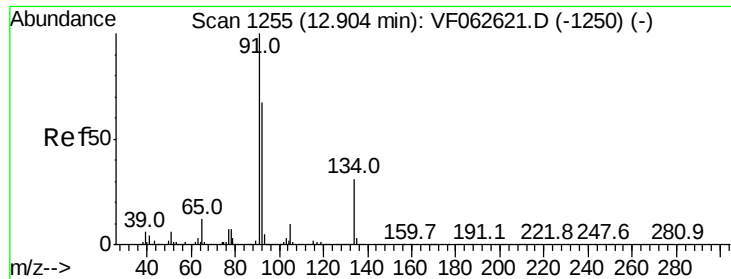
Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.2
148	67.0	33.2	99.6





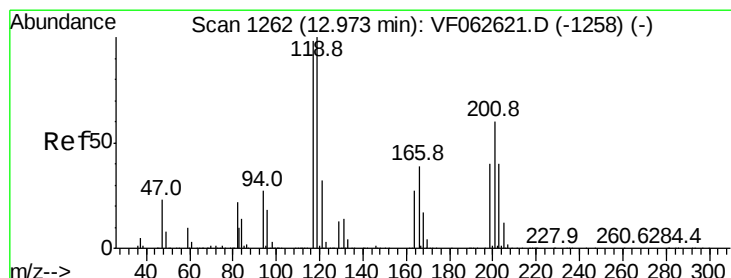
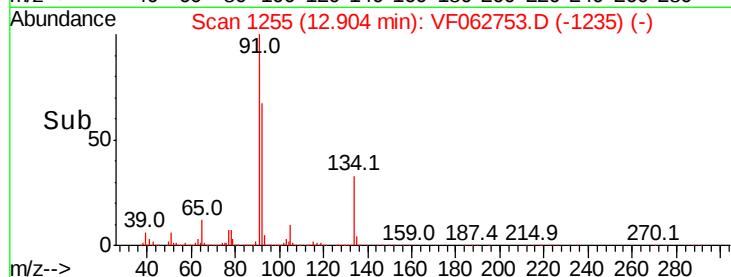
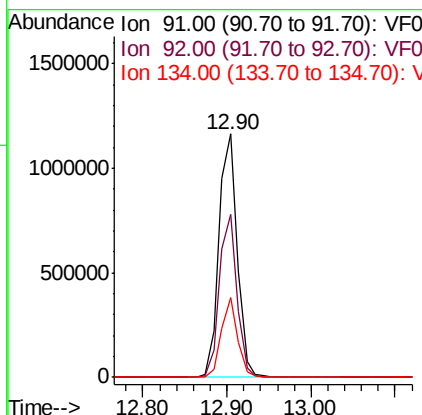
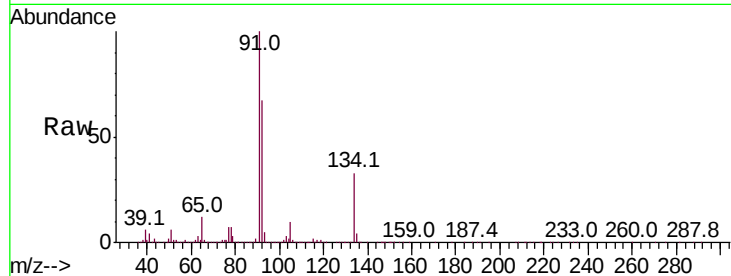
#89
n-Butylbenzene
Concen: 49.063 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	66.8	33.3	99.8
134	32.6	15.4	46.4

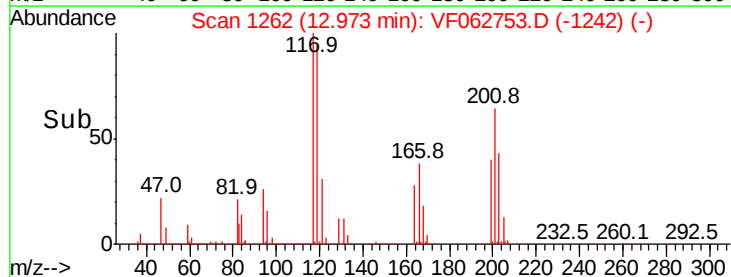
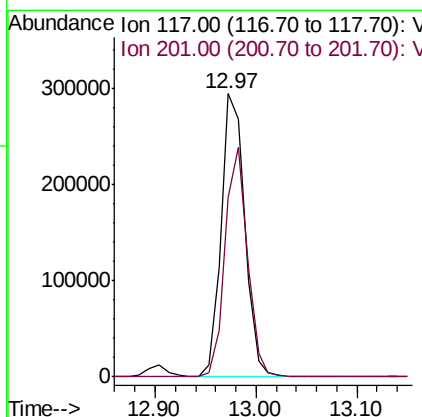
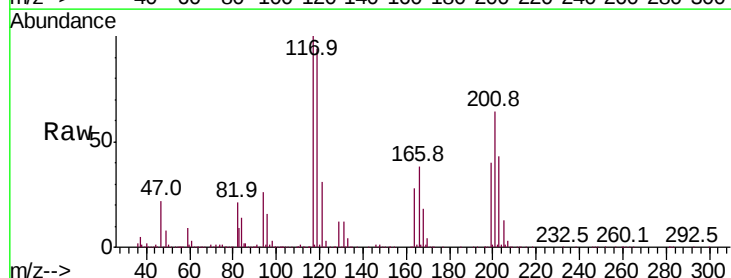
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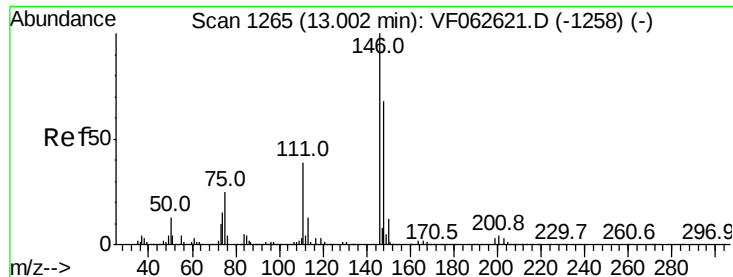
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#90
Hexachloroethane
Concen: 55.237 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.6	30.7	92.1





#91

1,2-Dichlorobenzene

Concen: 52.948 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

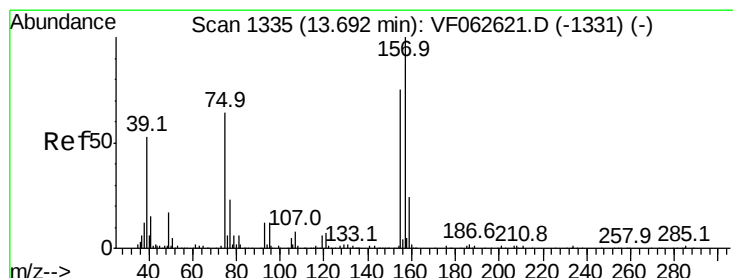
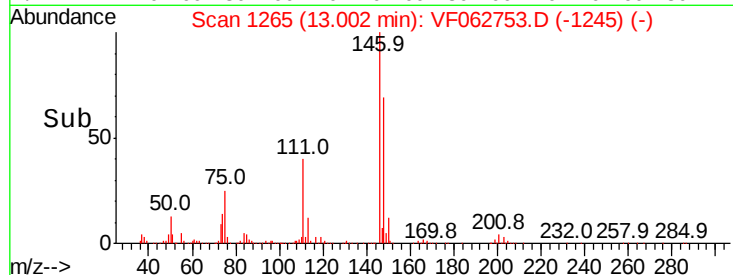
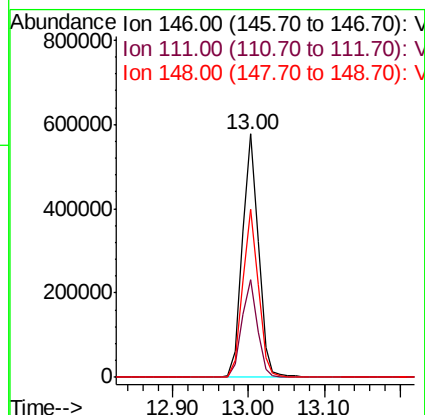
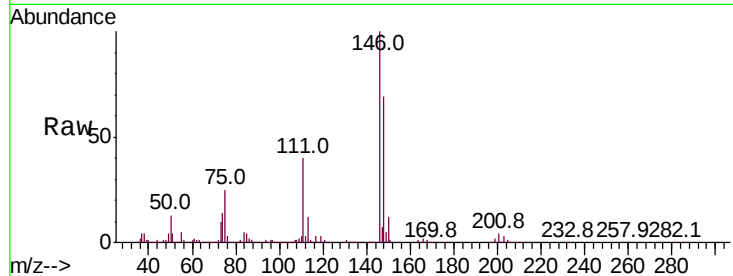
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	835548
Ion Ratio	Lower	Upper	
146	100		
111	39.9	19.8	59.3
148	69.1	34.1	102.2

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#92

1,2-Dibromo-3-Chloropropane

Concen: 60.802 ug/l

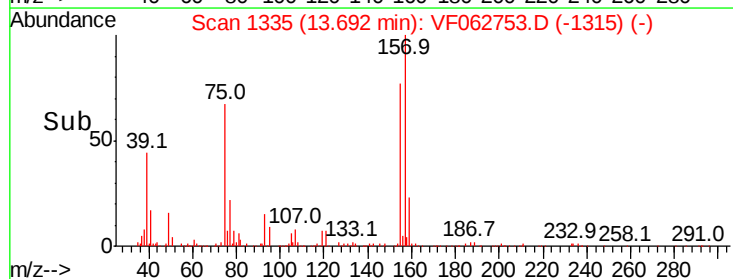
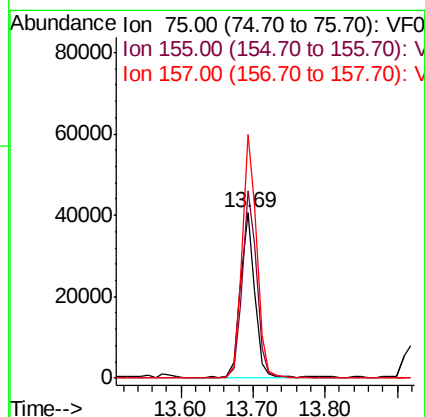
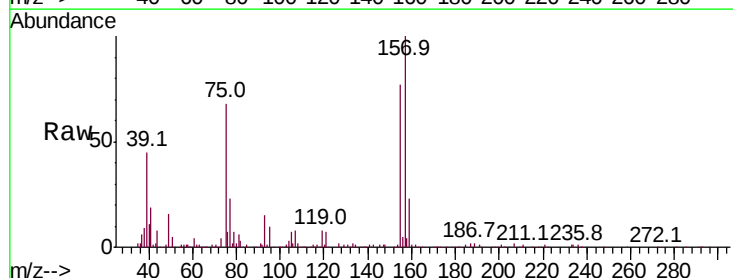
RT: 13.69 min Scan# 1335

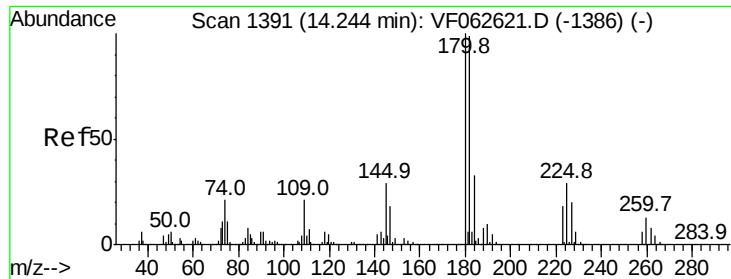
Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Tgt Ion:	75	Resp:	58354
Ion Ratio	Lower	Upper	
75	100		
155	113.2	58.1	174.3
157	147.6	77.8	233.4





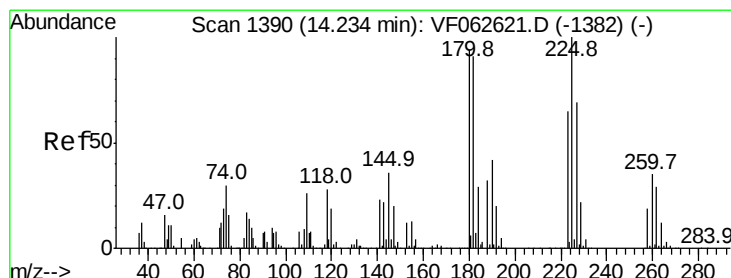
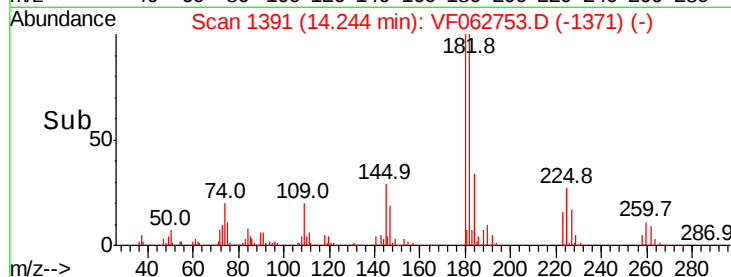
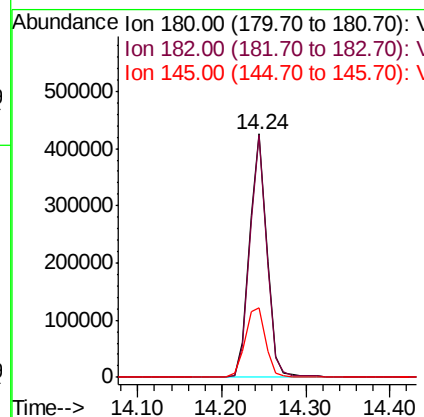
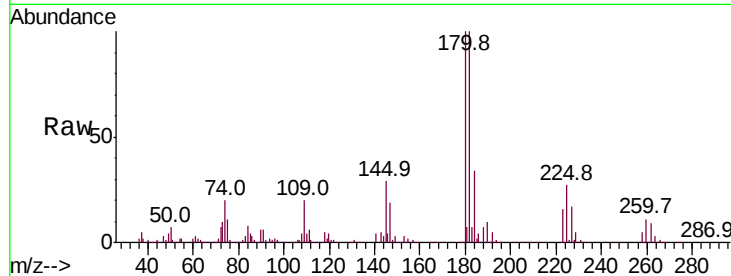
#93
 1,2,4-Trichlorobenzene
 Concen: 54.318 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF062753.D
 Acq: 28 May 2019 10:52

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	613564		
182	99.6	49.7	149.1	
145	28.8	14.6	44.0	

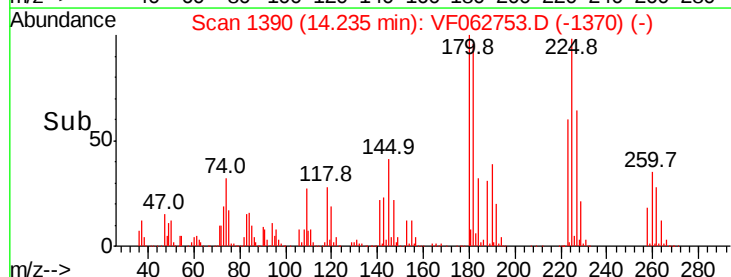
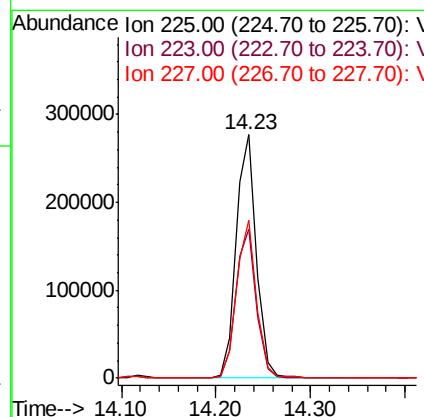
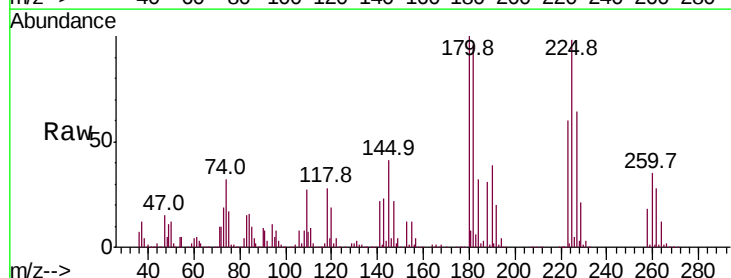
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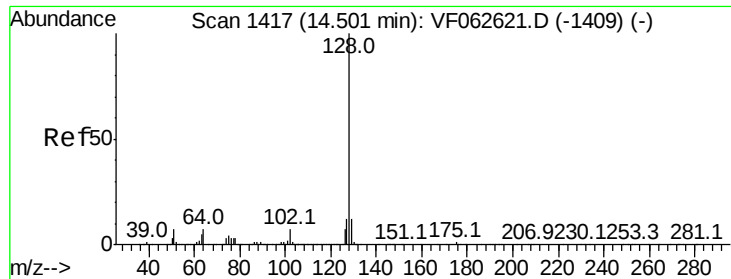
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#94
 Hexachlorobutadiene
 Concen: 51.912 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062753.D
 Acq: 28 May 2019 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	409221		
223	61.3	32.5	97.4	
227	65.0	34.5	103.5	





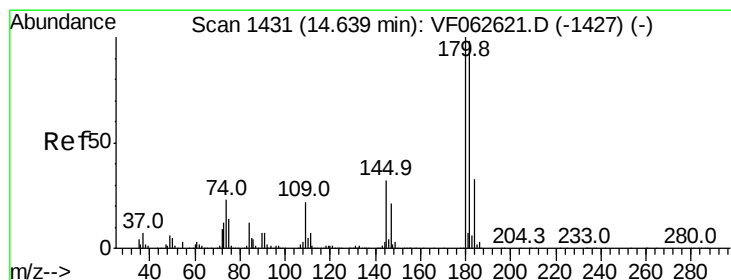
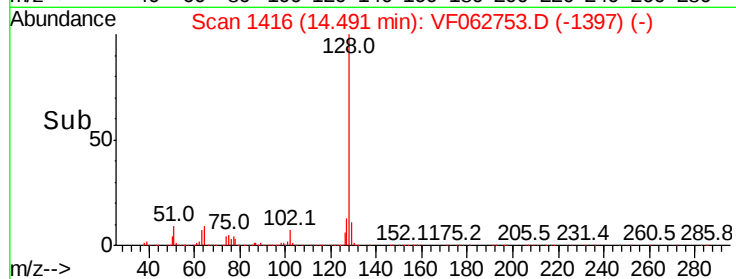
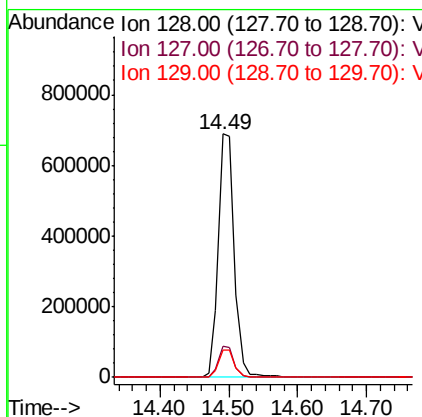
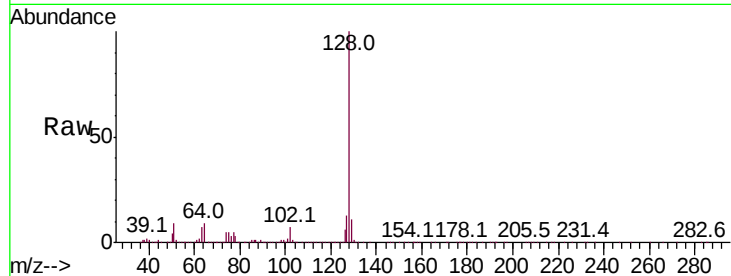
#95
Naphthalene
Concen: 54.496 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	9.7	14.5
129	11.4	9.3	13.9

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#96
1,2,3-Trichlorobenzene
Concen: 53.519 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.1	48.9	146.7
145	32.1	16.1	48.2

