

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052319\
 Data File : VF062719.D
 Acq On : 23 May 2019 10:16
 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
 5/24/2019 11:11:05 AM

Quant Time: May 24 02:21:33 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	5.04	168	822430	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	1330224	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	1002658	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.60	152	444845	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	260598	44.84	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	89.68%	
35) Dibromofluoromethane	4.30	113	492891	48.42	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	96.84%	
50) Toluene-d8	7.70	98	1134873	46.70	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	93.40%	
62) 4-Bromofluorobenzene	11.49	95	379382	41.16	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	82.32%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	480973	42.975	ug/l	94
3) Chloromethane	1.14	50	433516	42.067	ug/l	99
4) Vinyl Chloride	1.19	62	395846	41.729	ug/l	98
5) Bromomethane	1.39	94	249242	48.028	ug/l	98
6) Chloroethane	1.44	64	169160	48.555	ug/l	93
7) Trichlorofluoromethane	1.55	101	624634	49.041	ug/l	85
8) Diethyl Ether	1.71	74	109221	43.285	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.91	101	390309	48.125	ug/l	99
10) Methyl Iodide	1.98	142	766730	48.125	ug/l	96
11) Tert butyl alcohol	2.69	59	88205	229.884	ug/l	96
12) 1,1-Dichloroethene	1.87	96	331768	44.906	ug/l	97
13) Acrolein	2.09	56	69448	173.394	ug/l	100
14) Allyl chloride	2.19	41	300211m	44.897	ug/l	
15) Acrylonitrile	3.08	53	231727	214.100	ug/l	100
16) Acetone	2.34	43	412882	273.841	ug/l	92
17) Carbon Disulfide	1.91	76	971510	44.365	ug/l	95
18) Methyl Acetate	2.46	43	96028	40.530	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	626269	47.418	ug/l	100
20) Methylene Chloride	2.32	84	366805m	48.535	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	365797	50.655	ug/l	91
22) Diisopropyl ether	2.93	45	760369	46.106	ug/l	98
23) Vinyl Acetate	3.34	43	2553779	229.554	ug/l	98
24) 1,1-Dichloroethane	3.01	63	592828	49.000	ug/l	99
25) 2-Butanone	4.51	43	792850	246.129	ug/l	93
26) 2,2-Dichloropropane	3.77	77	371913	53.727	ug/l	91
27) cis-1,2-Dichloroethene	3.64	96	592043	49.842	ug/l	98
28) Bromochloromethane	3.90	49	289907	42.725	ug/l	94
29) Tetrahydrofuran	4.25	42	286977	220.152	ug/l	95
30) Chloroform	4.04	83	877032	52.212	ug/l	100
31) Cyclohexane	3.88	56	741060	45.619	ug/l	95
32) 1,1,1-Trichloroethane	4.27	97	561989	50.377	ug/l	98
36) 1,1-Dichloropropene	4.46	75	695899	51.054	ug/l	96
37) Ethyl Acetate	4.29	43	234622	42.157	ug/l #	93
38) Carbon Tetrachloride	4.17	117	519045m	50.632	ug/l	

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	838422	51.120	ug/l	96
40) Benzene	4.82	78	1911257	51.470	ug/l	100
41) Methacrylonitrile	4.92	41	140397	48.117	ug/l	92
42) 1,2-Dichloroethane	5.12	62	380704	51.411	ug/l	93
43) Isopropyl Acetate	7.10	43	301969	41.881	ug/l	100
44) Trichloroethene	5.67	130	545750	52.292	ug/l	90
45) 1,2-Dichloropropane	6.40	63	464579	49.561	ug/l	96
46) Dibromomethane	6.25	93	275746	50.900	ug/l	92
47) Bromodichloromethane	6.54	83	595290	52.931	ug/l	99
48) Methyl methacrylate	6.87	41	155099	41.155	ug/l #	89
49) 1,4-Dioxane	6.87	88	41249	854.569	ug/l	95
51) 4-Methyl-2-Pentanone	8.39	43	1103208	223.844	ug/l	99
52) Toluene	7.77	92	1031835	52.984	ug/l	98
53) t-1,3-Dichloropropene	8.41	75	466758	50.729	ug/l	94
54) cis-1,3-Dichloropropene	7.45	75	665973	51.706	ug/l	98
55) 1,1,2-Trichloroethane	8.62	97	296574	51.433	ug/l	96
56) Ethyl methacrylate	8.75	69	304774	44.365	ug/l	93
57) 1,3-Dichloropropane	8.99	76	499181	50.825	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.44	63	547291	244.755	ug/l	99
59) 2-Hexanone	9.62	43	831108	259.899	ug/l	90
60) Dibromochloromethane	8.85	129	401282	53.396	ug/l	97
61) 1,2-Dibromoethane	9.12	107	317633	51.862	ug/l	98
64) Tetrachloroethene	8.30	164	404471	50.920	ug/l	97
65) Chlorobenzene	9.92	112	1030209	52.313	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.05	131	422590	53.453	ug/l	98
67) Ethyl Benzene	10.02	91	1708281	49.933	ug/l	98
68) m/p-Xylenes	10.25	106	1331908	103.585	ug/l	97
69) o-Xylene	10.81	106	694176	52.415	ug/l	93
70) Styrene	10.88	104	987500	49.056	ug/l	99
71) Bromoform	10.87	173	212116	53.571	ug/l #	97
73) Isopropylbenzene	11.20	105	1728260	54.207	ug/l	100
74) N-amyl acetate	11.44	43	413347	51.069	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.76	83	346318	53.151	ug/l	97
76) 1,2,3-Trichloropropane	11.86	75	211763	49.463	ug/l	99
77) Bromobenzene	11.58	156	424624	53.580	ug/l	85
78) n-propylbenzene	11.67	91	1972543	52.277	ug/l	99
79) 2-Chlorotoluene	11.78	91	1163164	54.700	ug/l	99
80) 1,3,5-Trimethylbenzene	11.88	105	1365862	53.427	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.93	75	109293m	57.431	ug/l	
82) 4-Chlorotoluene	11.96	91	1130760	53.924	ug/l	98
83) tert-Butylbenzene	12.19	119	1437079	55.406	ug/l	99
84) 1,2,4-Trimethylbenzene	12.26	105	1346097	54.402	ug/l	97
85) sec-Butylbenzene	12.36	105	1864572	53.567	ug/l	97
86) p-Isopropyltoluene	12.51	119	1582426	53.944	ug/l	96
87) 1,3-Dichlorobenzene	12.53	146	751346	52.402	ug/l	97
88) 1,4-Dichlorobenzene	12.62	146	703289	52.269	ug/l	96
89) n-Butylbenzene	12.89	91	1502020	51.932	ug/l	99
90) Hexachloroethane	12.97	117	403085	57.281	ug/l	75
91) 1,2-Dichlorobenzene	12.99	146	686594	53.720	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.68	75	43998	56.604	ug/l	74

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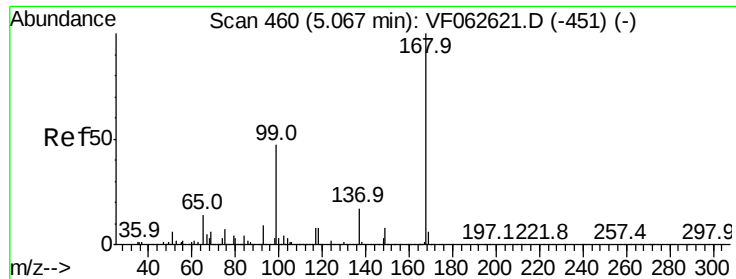
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	500838	54.745	ug/l	96
94) Hexachlorobutadiene	14.22	225	358476	56.148	ug/l	97
95) Naphthalene	14.49	128	811872	48.849	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	469658	54.198	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 822430

Ion Ratio Lower Upper

168 100

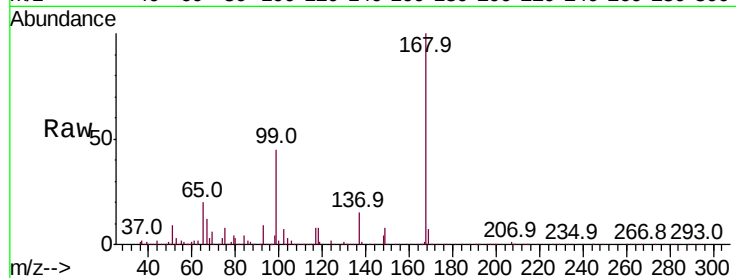
99 45.4 37.8 56.8

Manual Integrations

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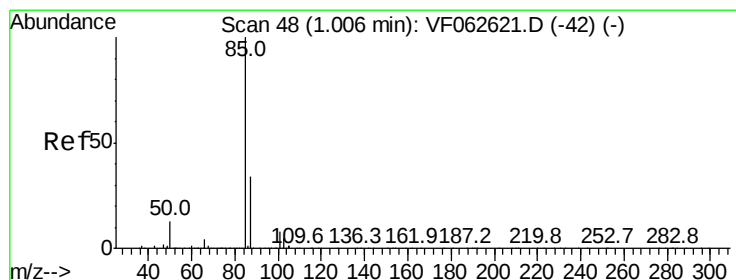
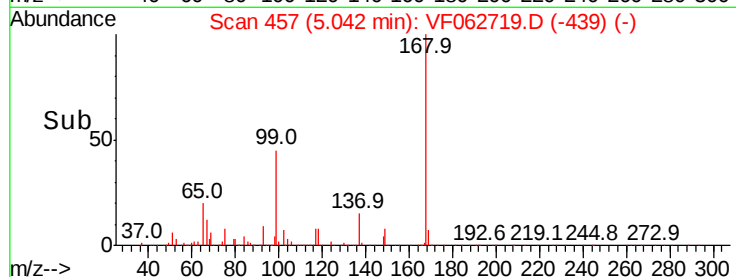
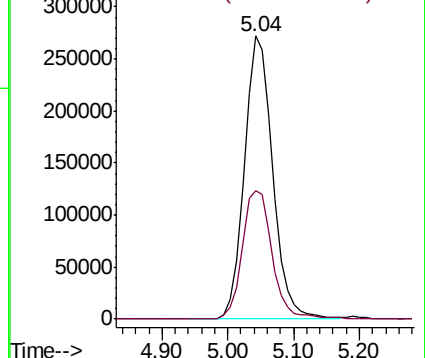
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Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 42.975 ug/l

RT: 1.00 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF062719.D

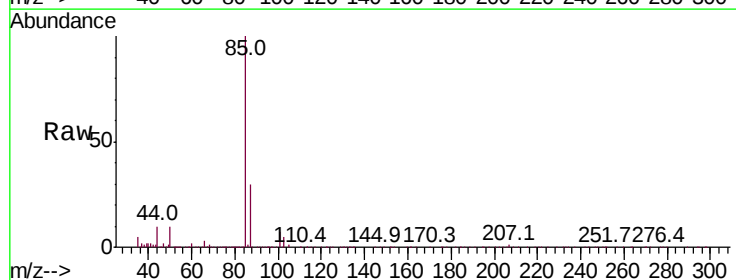
Acq: 23 May 2019 10:16

Tgt Ion: 85 Resp: 480973

Ion Ratio Lower Upper

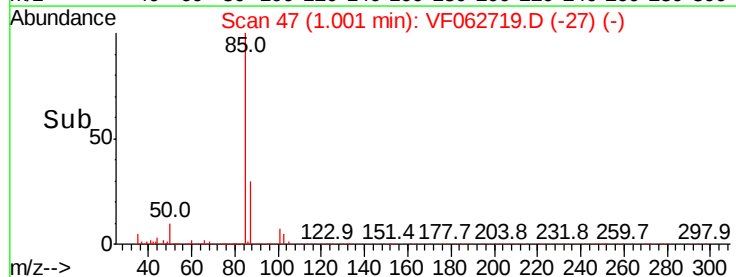
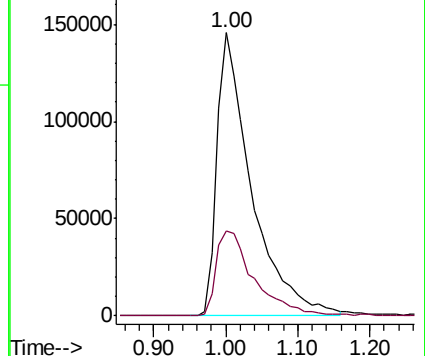
85 100

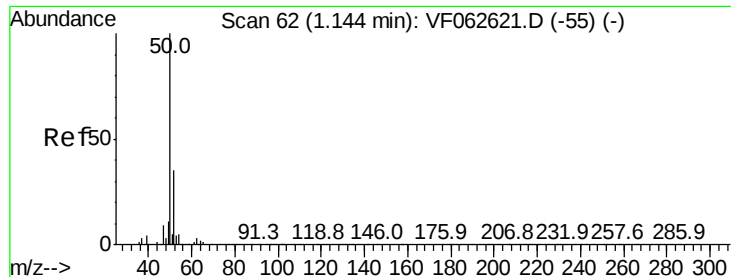
87 30.2 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 42.067 ug/l

RT: 1.14 min Scan# 61

Delta R.T. -0.01 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 433516

Ion Ratio Lower Upper

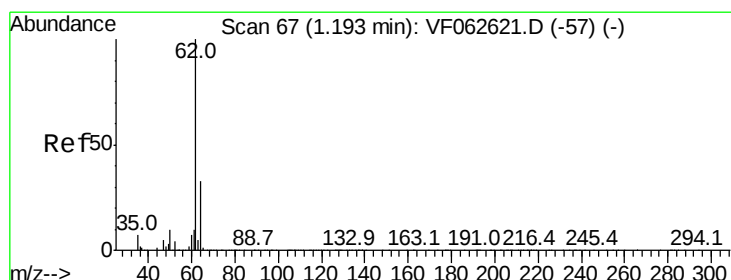
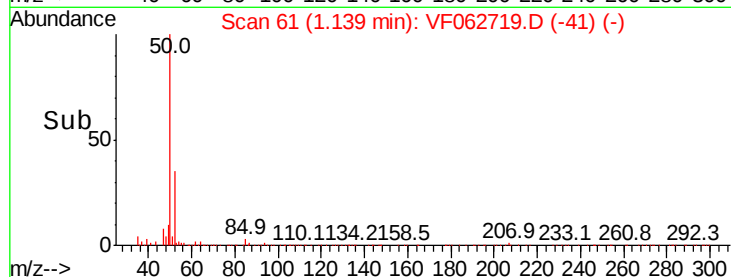
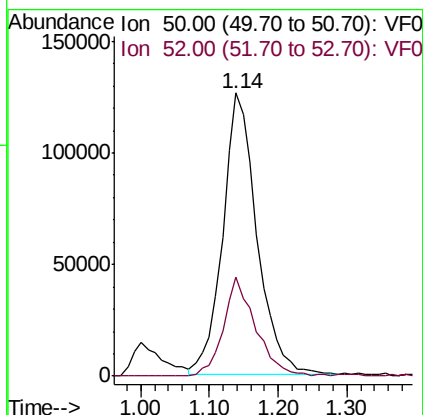
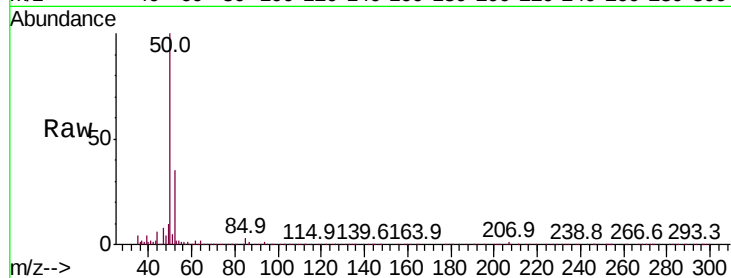
50 100

52 34.8 27.5 41.3

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#4

Vinyl Chloride

Concen: 41.729 ug/l

RT: 1.19 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF062719.D

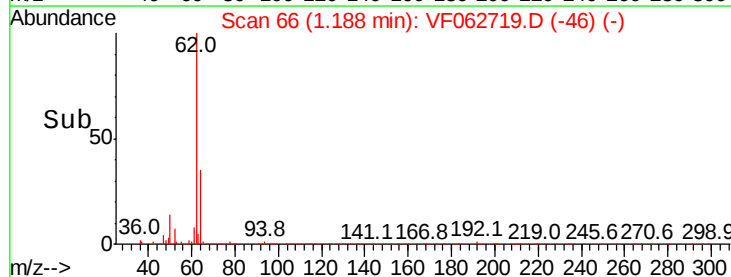
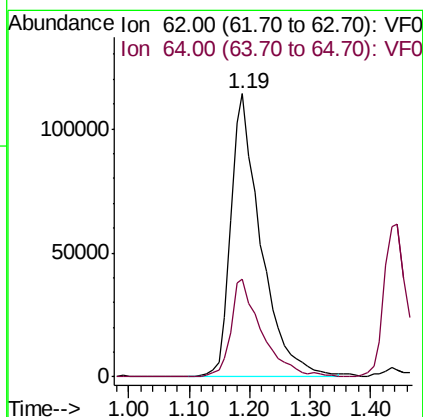
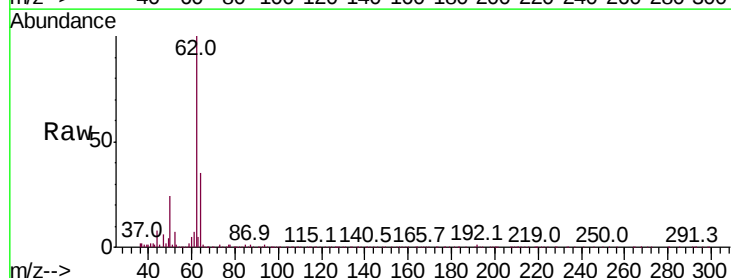
Acq: 23 May 2019 10:16

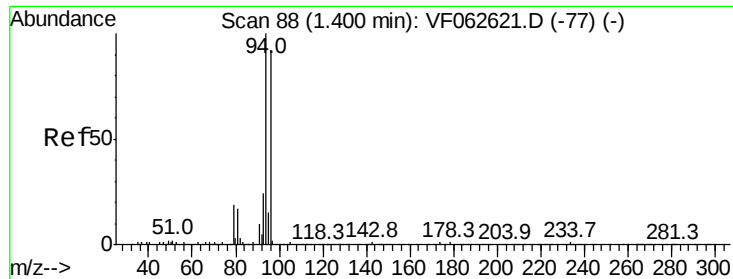
Tgt Ion: 62 Resp: 395846

Ion Ratio Lower Upper

62 100

64 34.5 26.7 40.1





#5

Bromomethane

Concen: 48.028 ug/l

RT: 1.39 min Scan# 86

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 249242

Ion Ratio Lower Upper

94 100

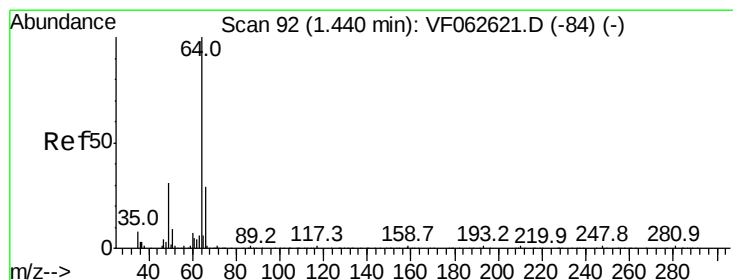
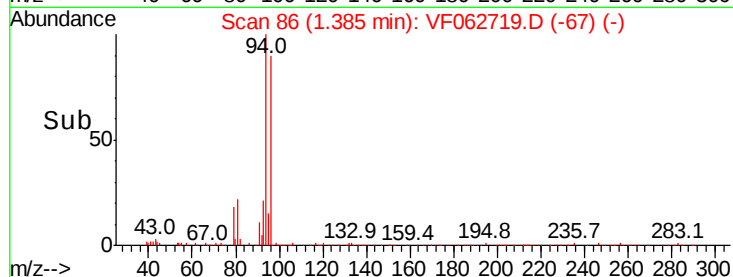
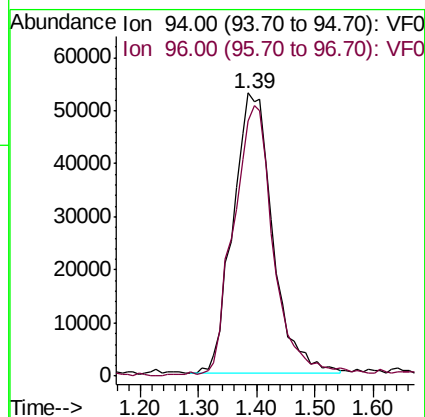
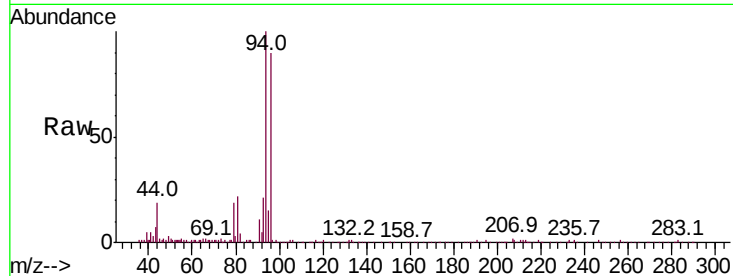
96 90.0 73.2 109.8

Manual Integrations

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#6

Chloroethane

Concen: 48.555 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.00 min

Lab File: VF062719.D

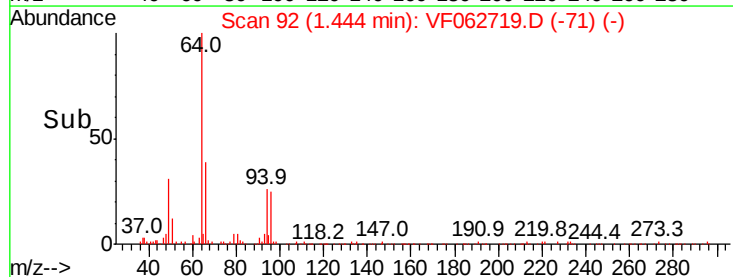
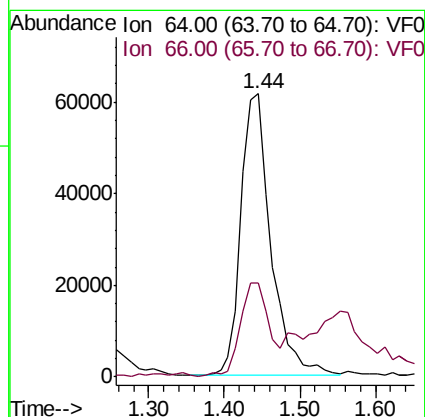
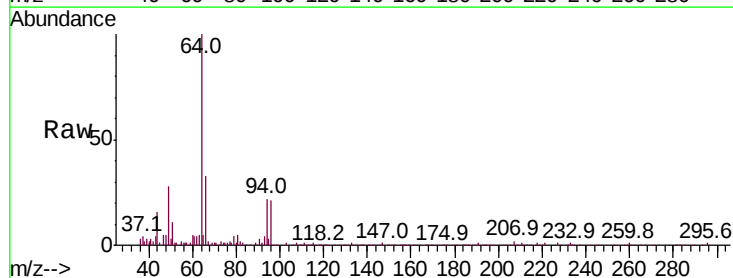
Acq: 23 May 2019 10:16

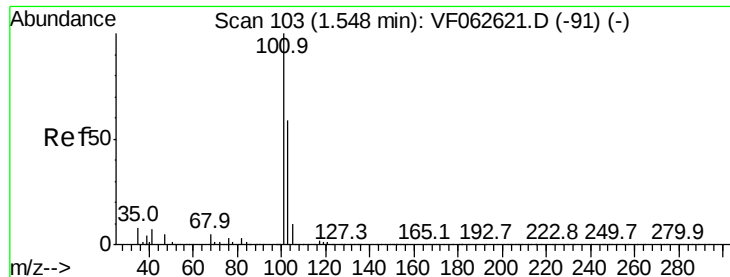
Tgt Ion: 64 Resp: 169160

Ion Ratio Lower Upper

64 100

66 33.2 23.4 35.2





#7

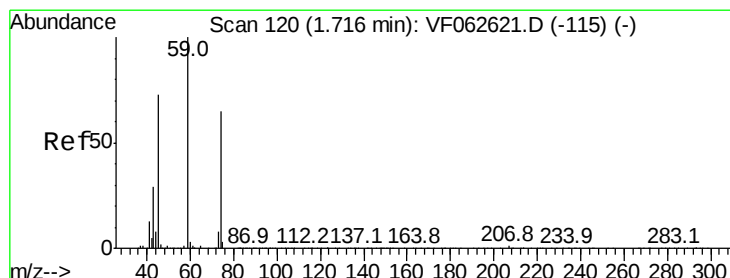
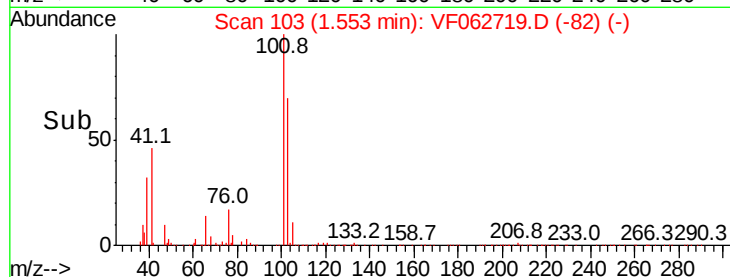
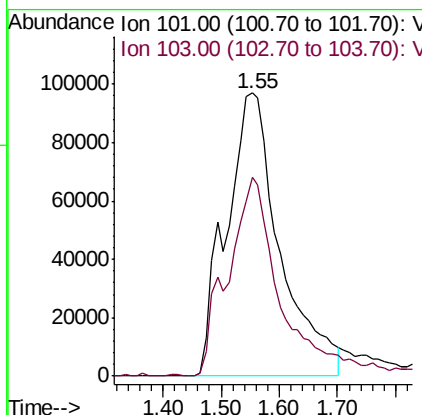
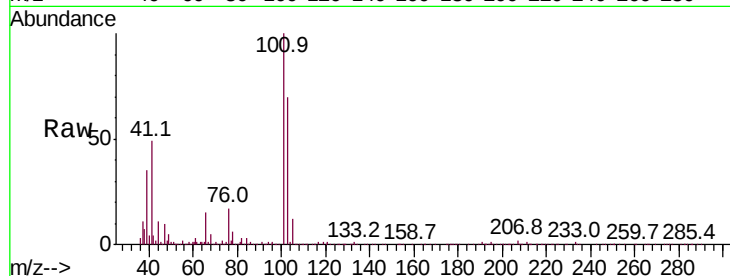
Trichlorofluoromethane
Concen: 49.041 ug/l
RT: 1.55 min Scan# 103
Delta R.T. 0.00 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

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Tot Ion	Ratio	Lower	Upper
101	100		
103	70.4	47.3	70.9

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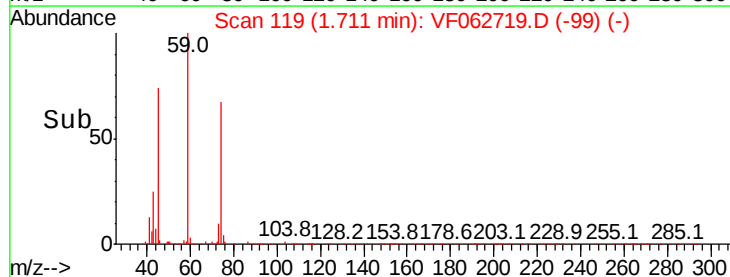
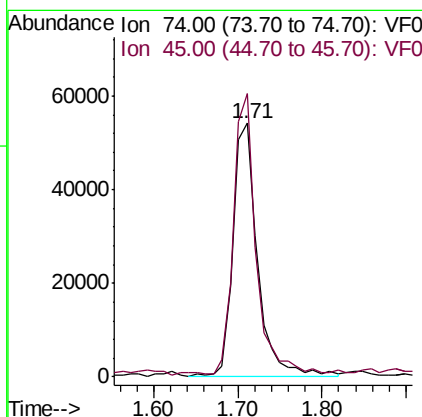
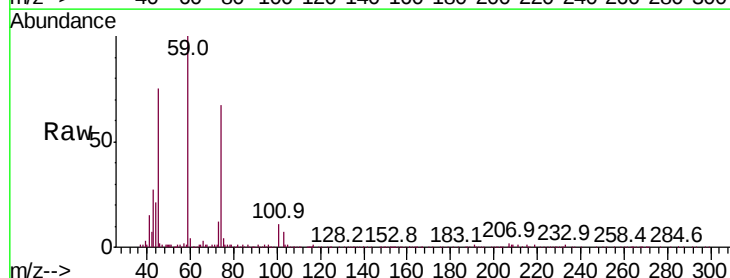
MMDadoda
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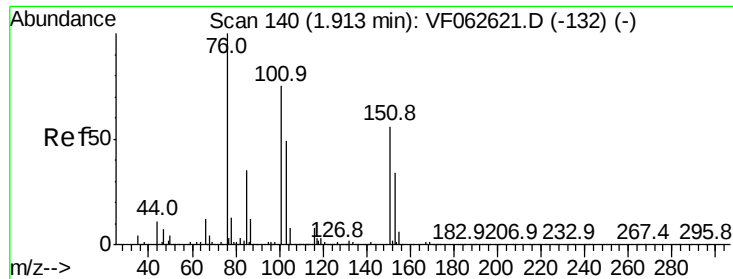


#8

Diethyl Ether
Concen: 43.285 ug/l
RT: 1.71 min Scan# 119
Delta R.T. -0.01 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.6	57.0	170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.125 ug/l

RT: 1.91 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

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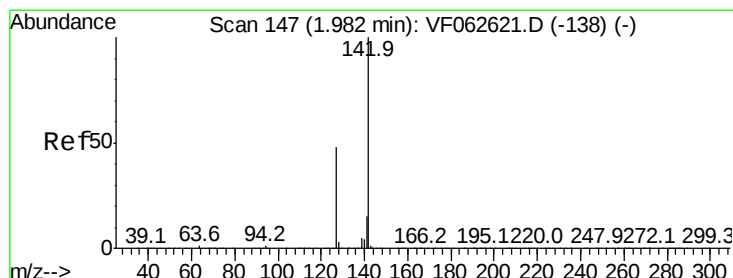
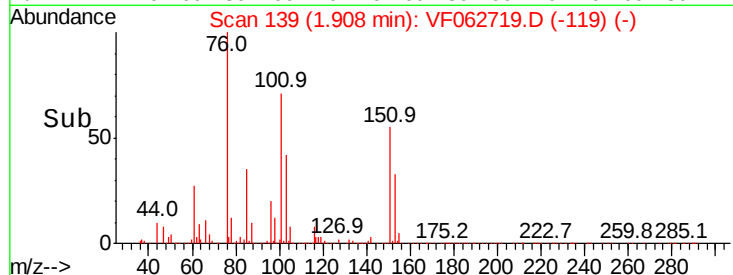
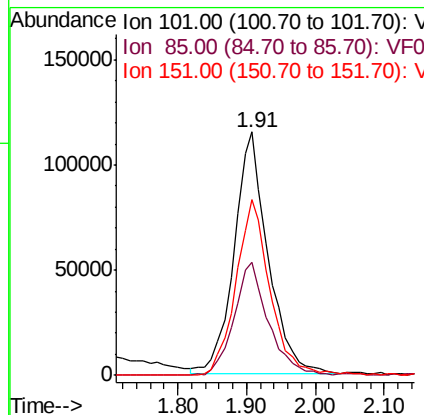
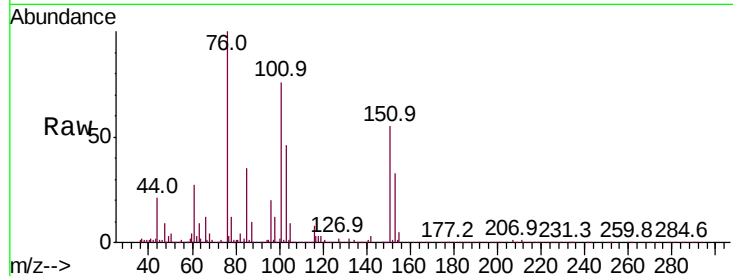
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	390309
Ion Ratio	Lower	Upper	
101	100		
85	46.3	37.1	55.7
151	72.0	58.8	88.2

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#10

Methyl Iodide

Concen: 48.125 ug/l

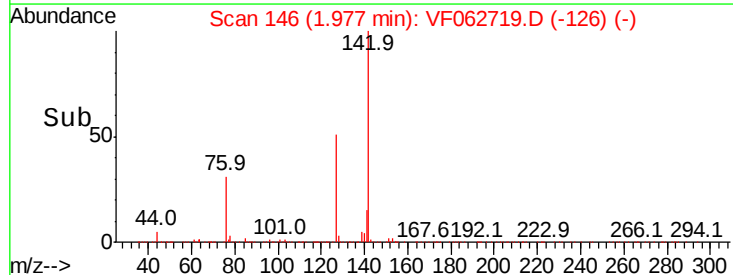
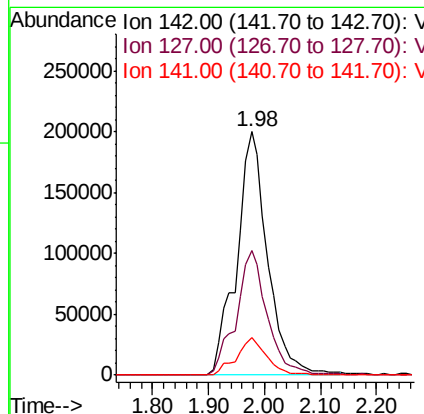
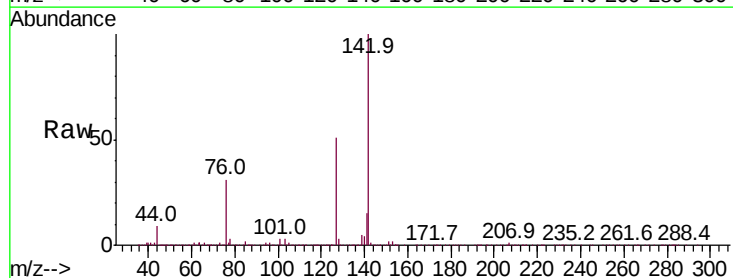
RT: 1.98 min Scan# 146

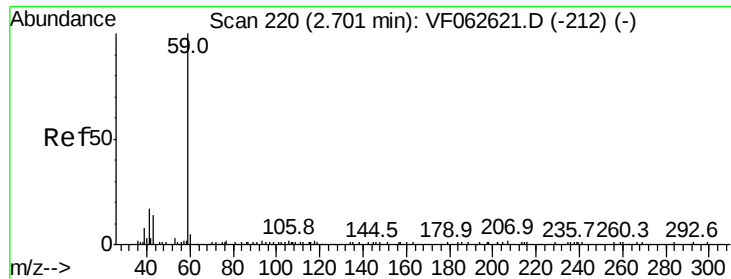
Delta R.T. -0.01 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Tgt Ion:	142	Resp:	766730
Ion Ratio	Lower	Upper	
142	100		
127	51.1	38.1	57.1
141	15.4	11.7	17.5





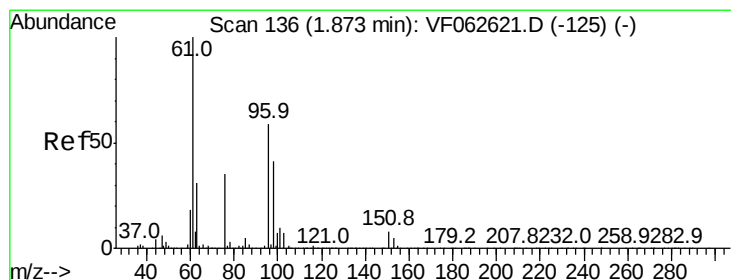
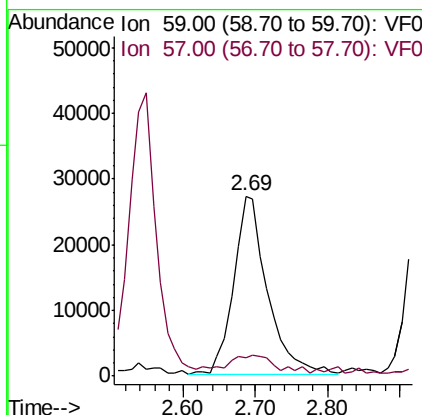
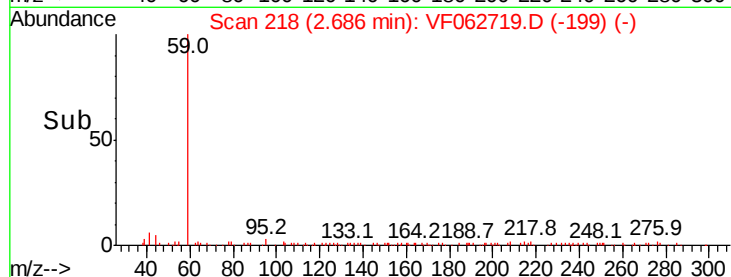
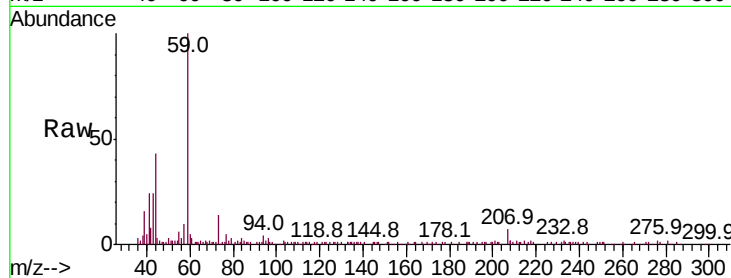
#11
Tert butyl alcohol
Concen: 229.884 ug/l
RT: 2.69 min Scan# 218
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	9.3	13.9

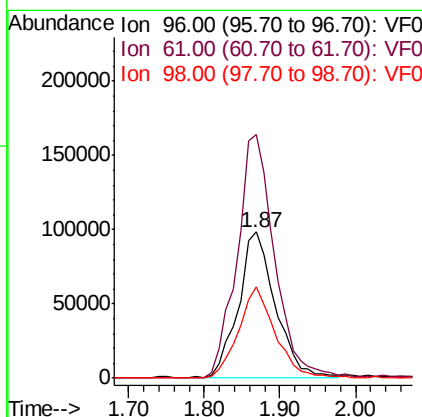
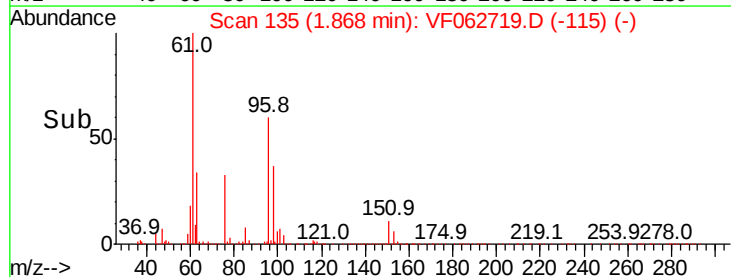
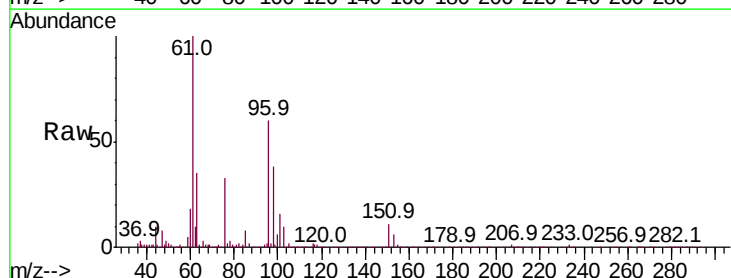
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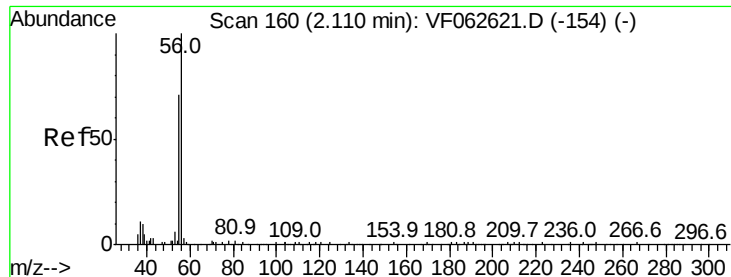
MMDadoda
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#12
1,1-Dichloroethene
Concen: 44.906 ug/l
RT: 1.87 min Scan# 135
Delta R.T. -0.01 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.7	134.3	201.5
98	62.5	55.0	82.6





#13

Acrolein

Concen: 173.394 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 69448

Ion Ratio Lower Upper

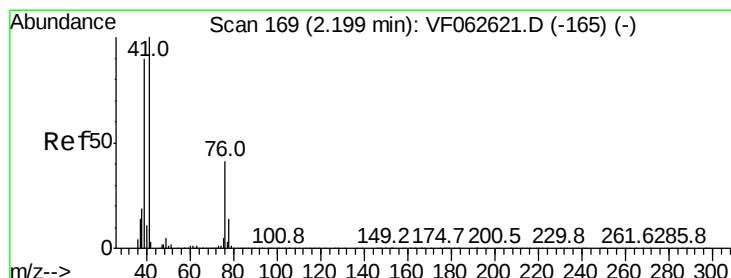
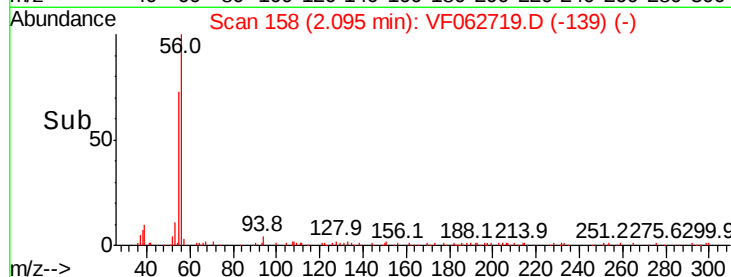
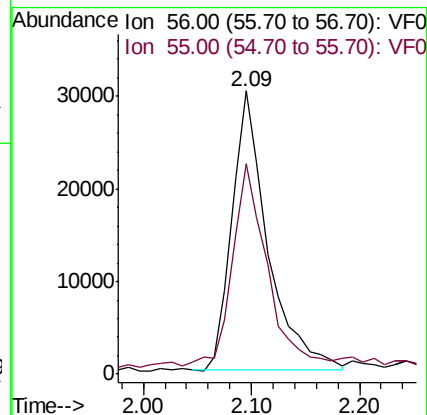
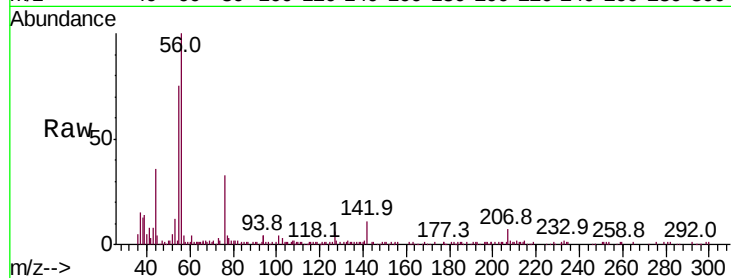
56 100

55 74.5 59.4 89.0

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#14

Allyl chloride

Concen: 44.897 ug/l m

RT: 2.19 min Scan# 168

Delta R.T. -0.01 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

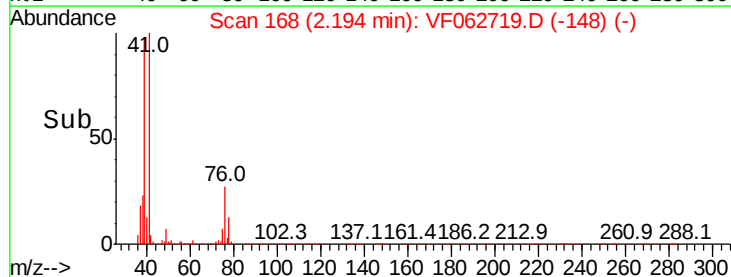
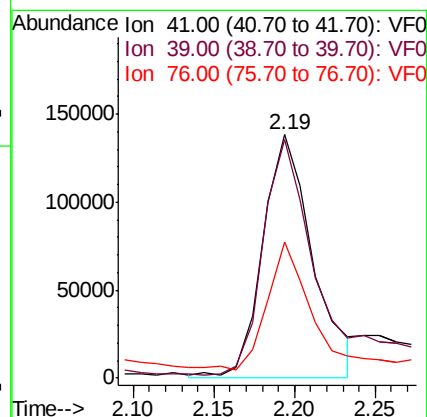
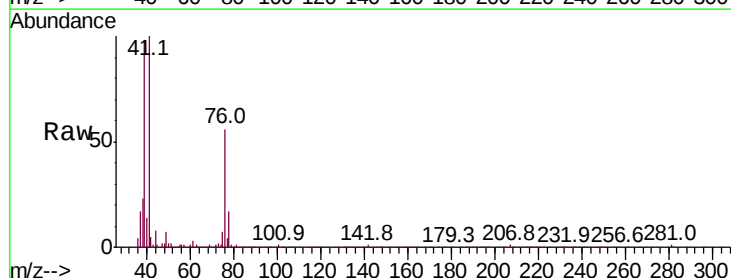
Tgt Ion: 41 Resp: 300211

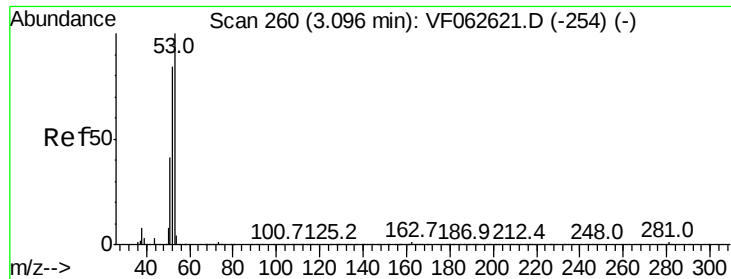
Ion Ratio Lower Upper

41 100

39 97.7 72.0 108.0

76 56.1 34.8 52.2#





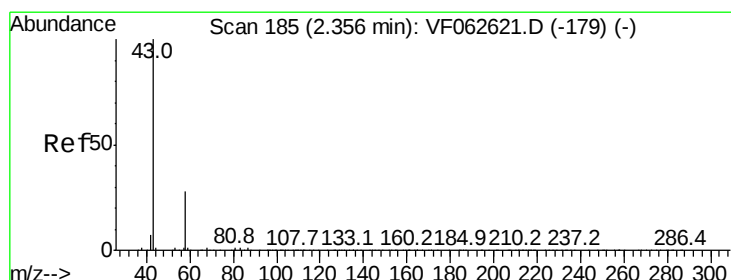
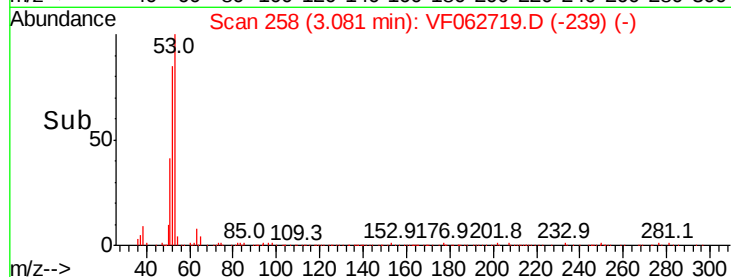
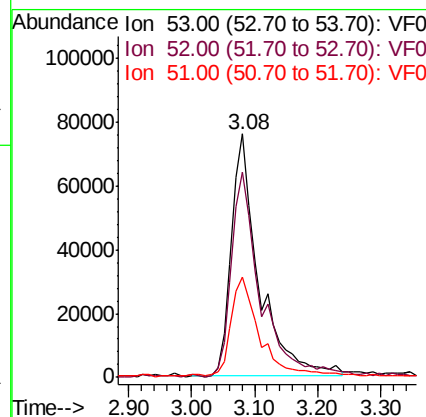
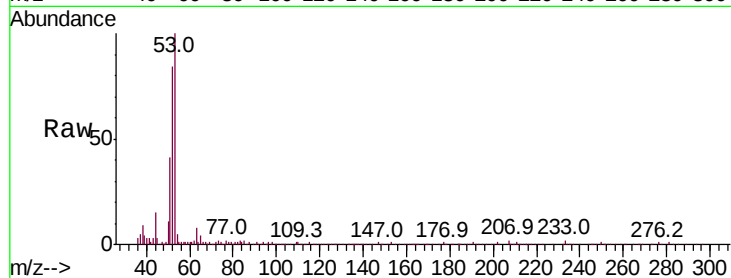
#15
 Acrylonitrile
 Concen: 214.100 ug/l
 RT: 3.08 min Scan# 258
 Delta R.T. -0.02 min
 Lab File: VF062719.D
 Acq: 23 May 2019 10:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	231727
Ion Ratio	Lower	Upper	
53	100		
52	84.5	67.3	100.9
51	41.0	33.0	49.6

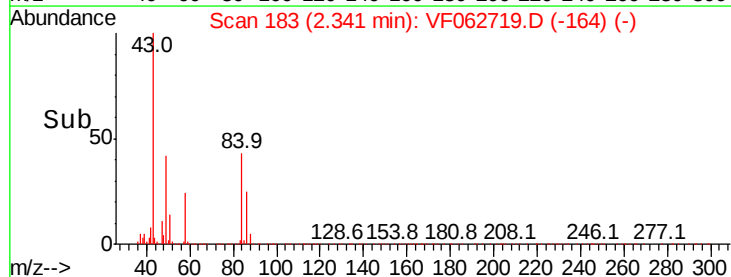
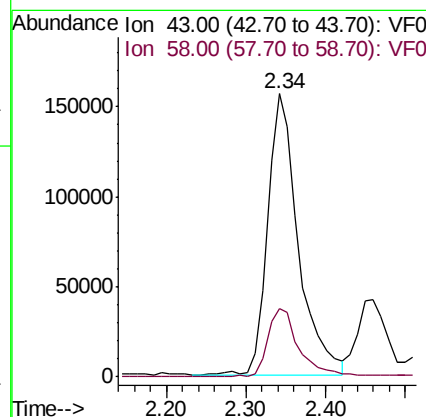
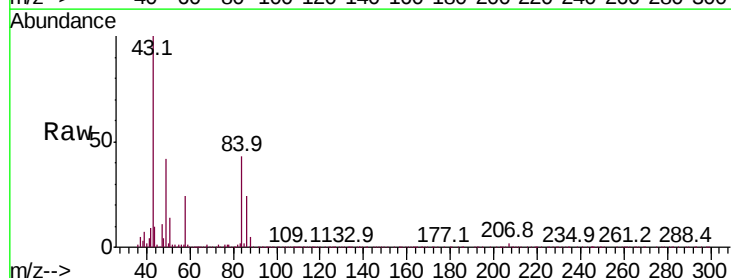
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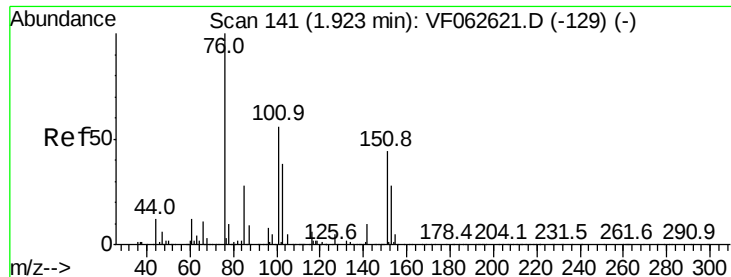
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#16
 Acetone
 Concen: 273.841 ug/l
 RT: 2.34 min Scan# 183
 Delta R.T. -0.02 min
 Lab File: VF062719.D
 Acq: 23 May 2019 10:16

Tgt Ion:	43	Resp:	412882
Ion Ratio	Lower	Upper	
43	100		
58	24.0	22.6	33.8





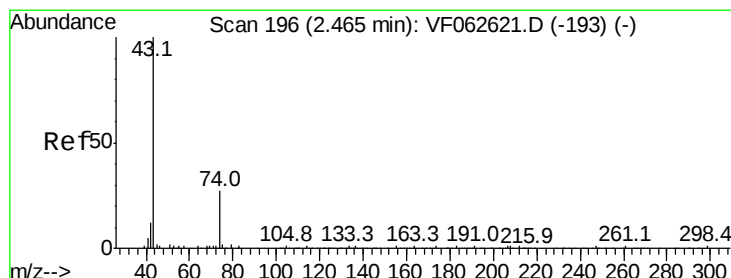
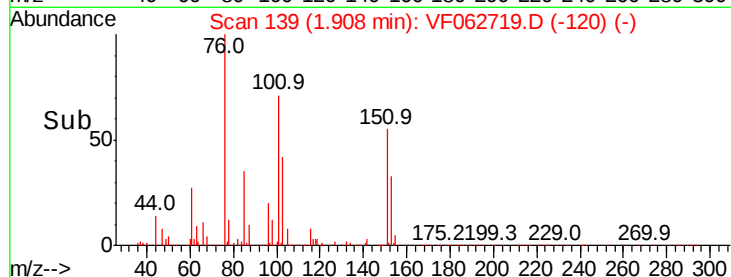
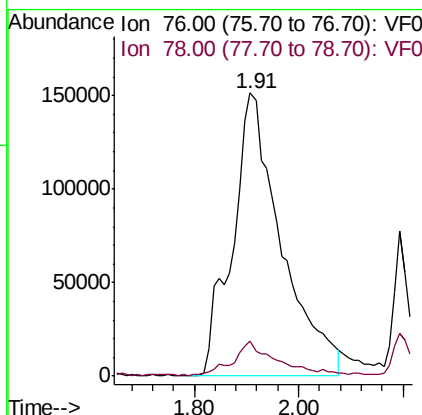
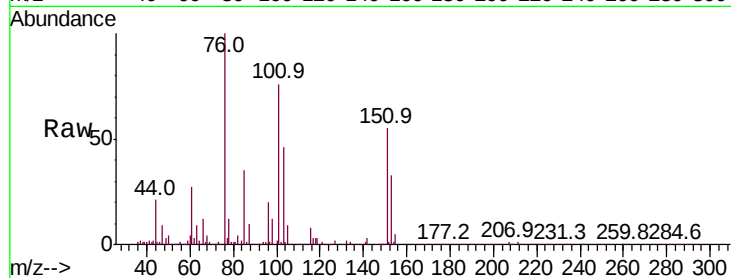
#17
Carbon Disulfide
Concen: 44.365 ug/l
RT: 1.91 min Scan# 139
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 971510
Ion Ratio Lower Upper
76 100
78 12.3 8.4 12.6

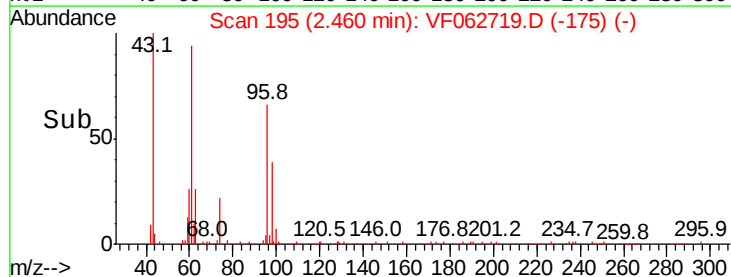
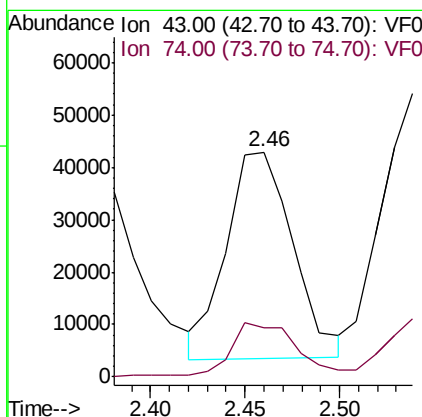
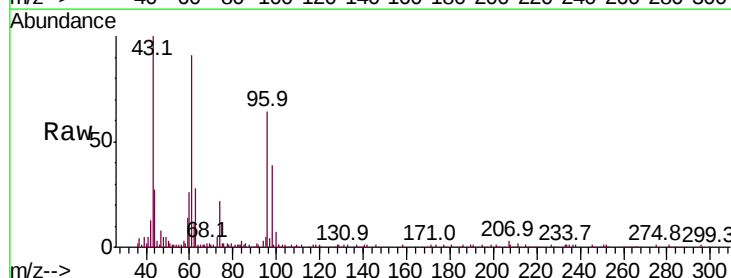
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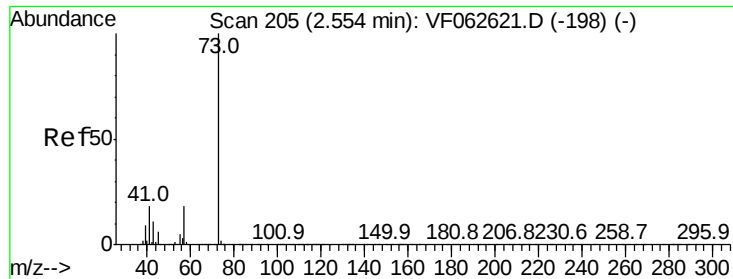
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#18
Methyl Acetate
Concen: 40.530 ug/l
RT: 2.46 min Scan# 195
Delta R.T. -0.01 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Tgt Ion: 43 Resp: 96028
Ion Ratio Lower Upper
43 100
74 22.2 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 47.418 ug/l

RT: 2.54 min Scan# 203

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

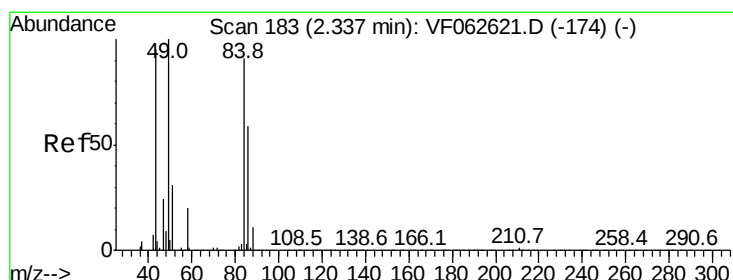
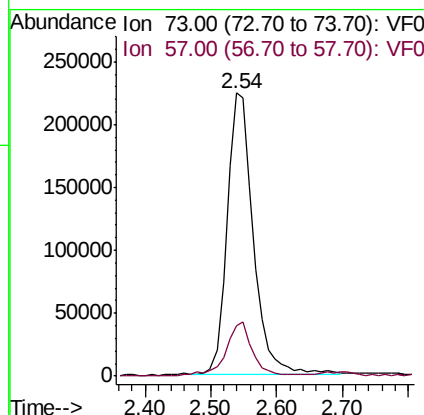
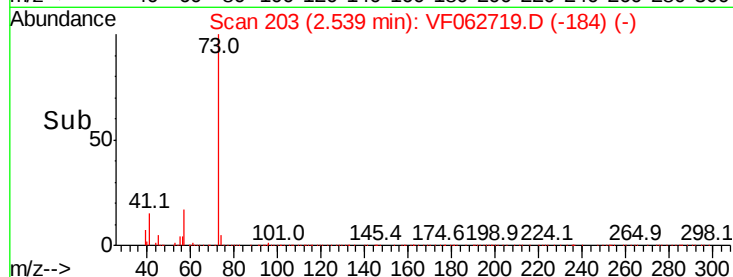
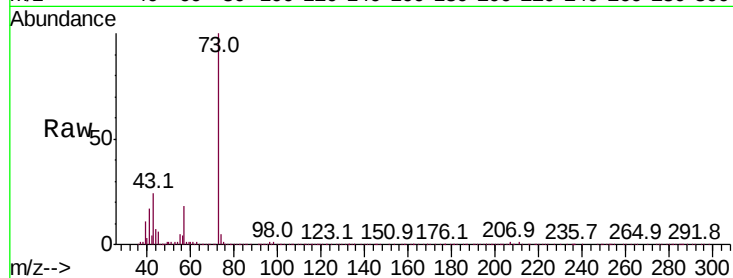
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 626269

Ion	Ratio	Lower	Upper
73	100		
57	17.9	14.2	21.4

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#20

Methylene Chloride

Concen: 48.535 ug/l m

RT: 2.32 min Scan# 181

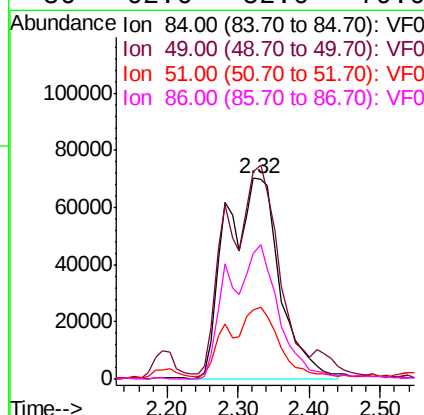
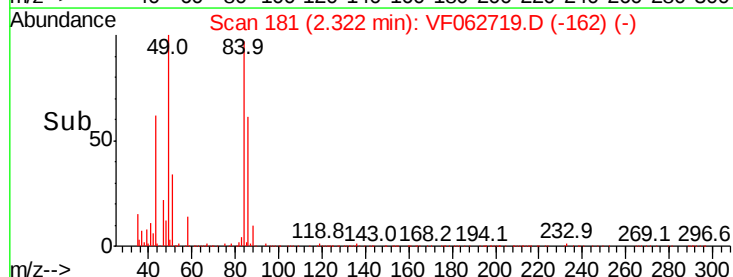
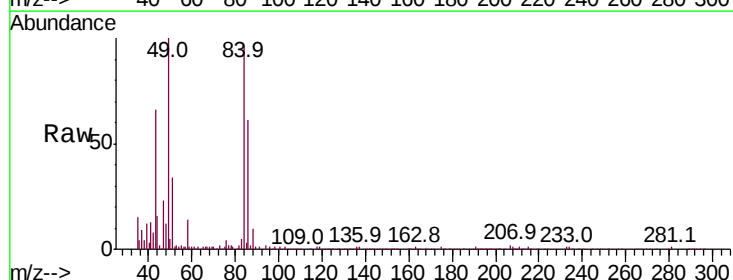
Delta R.T. -0.02 min

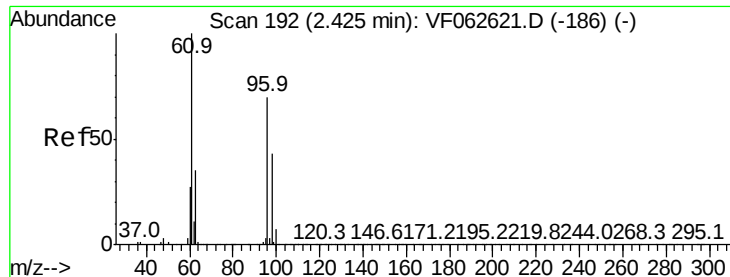
Lab File: VF062719.D

Acq: 23 May 2019 10:16

Tgt Ion: 84 Resp: 366805

Ion	Ratio	Lower	Upper
84	100		
49	103.3	89.8	134.8
51	34.7	28.4	42.6
86	62.6	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 50.655 ug/l

RT: 2.42 min Scan# 191

Delta R.T. -0.01 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 365797

Ion Ratio Lower Upper

96 100

61 129.0 114.6 171.8

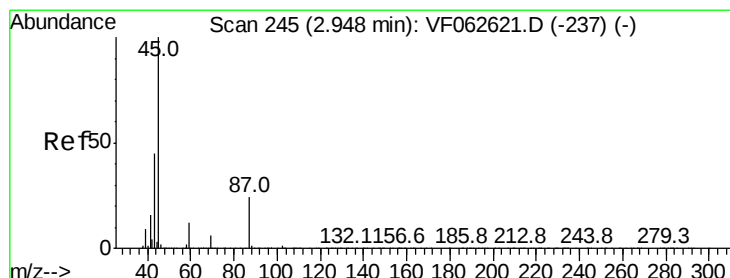
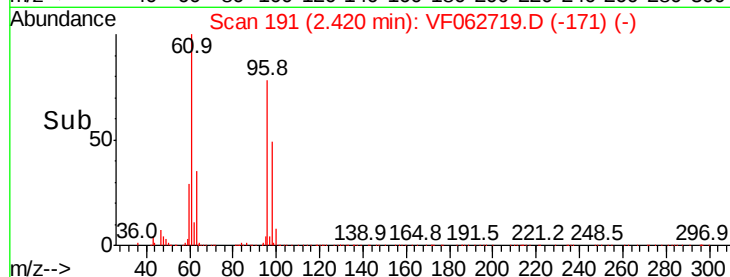
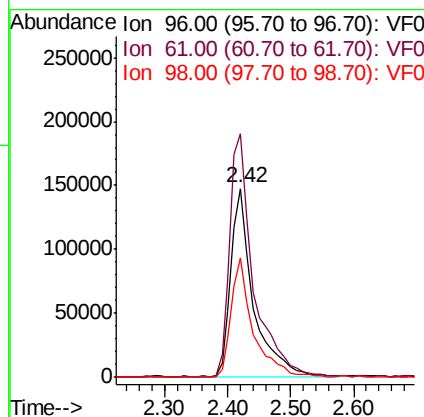
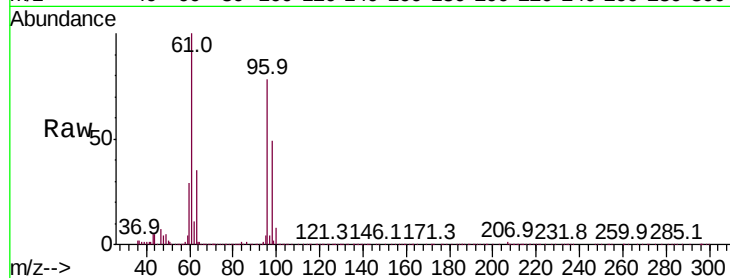
98 63.5 49.5 74.3

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#22

Diisopropyl ether

Concen: 46.106 ug/l

RT: 2.93 min Scan# 243

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Tgt Ion: 45 Resp: 760369

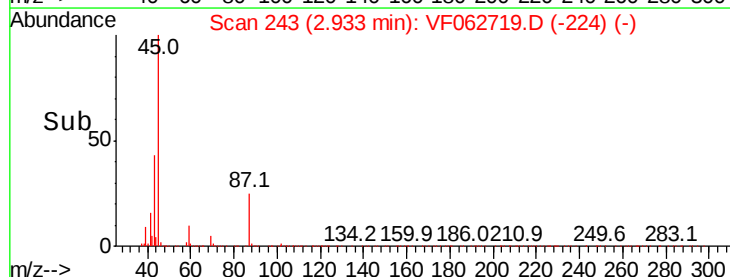
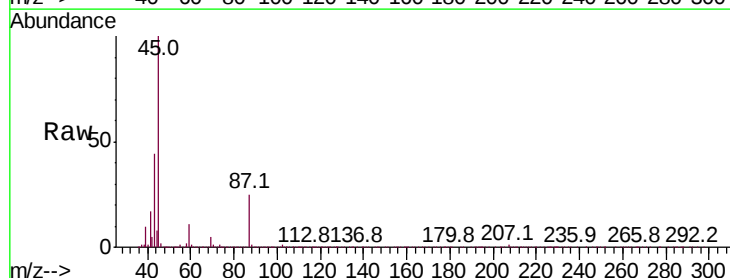
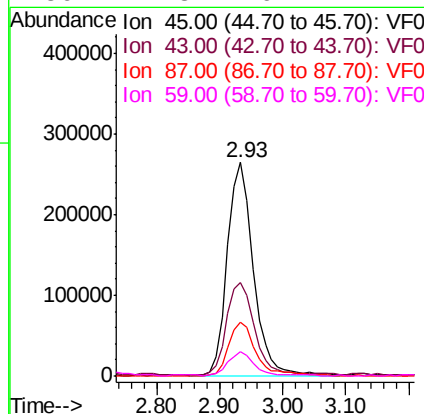
Ion Ratio Lower Upper

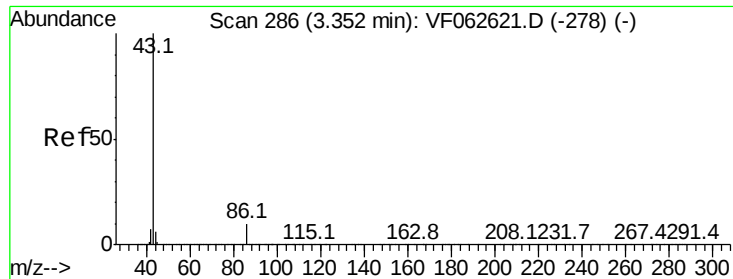
45 100

43 43.7 36.4 54.6

87 25.2 19.3 28.9

59 11.3 9.4 14.2





#23

Vinyl Acetate

Concen: 229.554 ug/l

RT: 3.34 min Scan# 284

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2553779

Ion Ratio Lower Upper

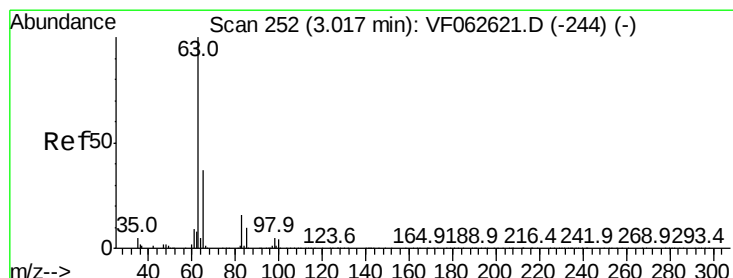
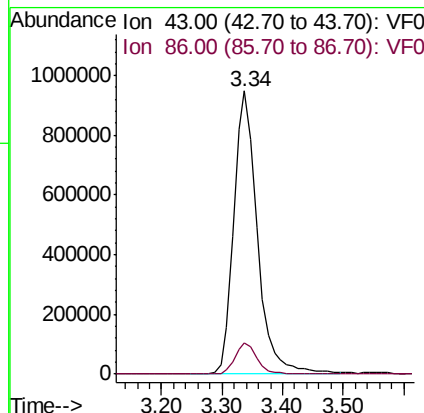
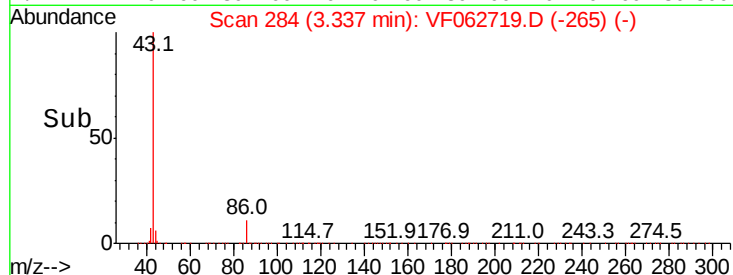
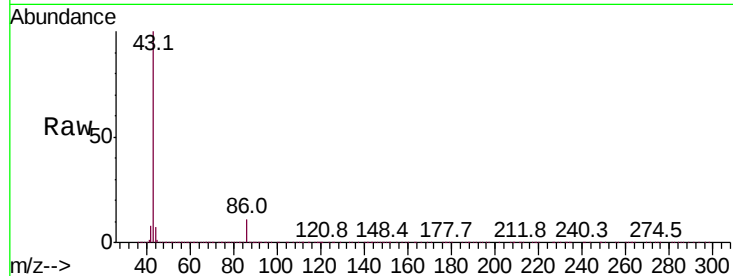
43 100

86 11.0 8.2 12.2

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#24

1,1-Dichloroethane

Concen: 49.000 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.01 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

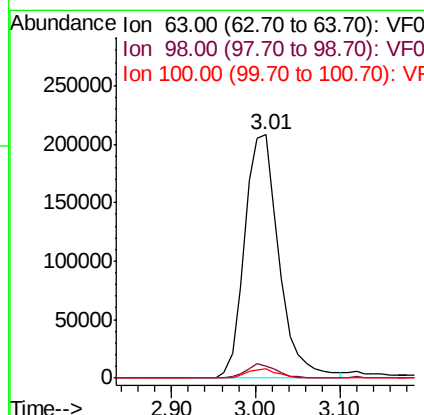
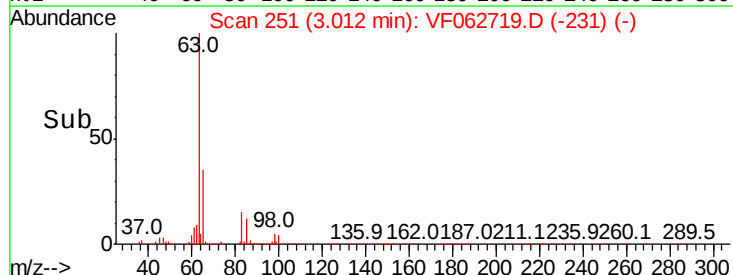
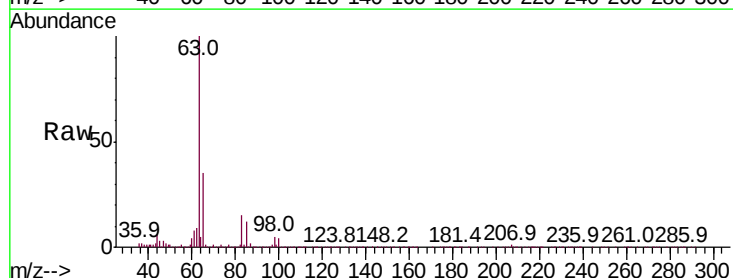
Tgt Ion: 63 Resp: 592828

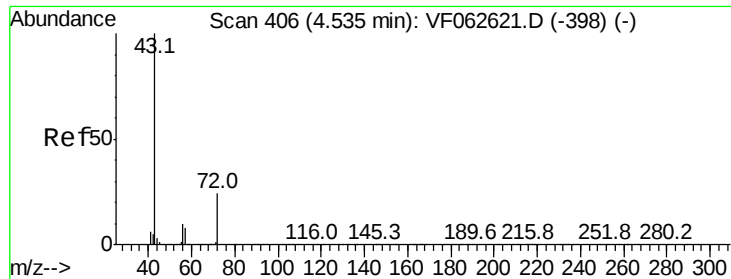
Ion Ratio Lower Upper

63 100

98 4.8 2.8 8.3

100 3.6 1.9 5.7





#25

2-Butanone

Concen: 246.129 ug/l

RT: 4.51 min Scan# 403

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 792850

Ion Ratio Lower Upper

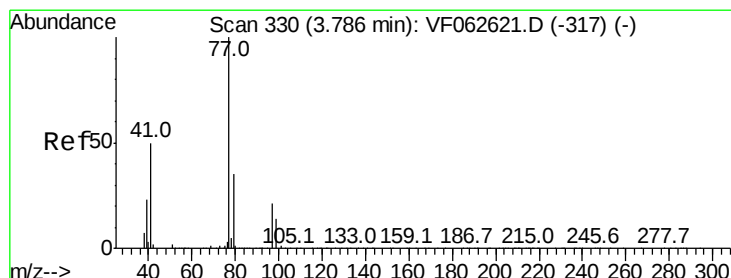
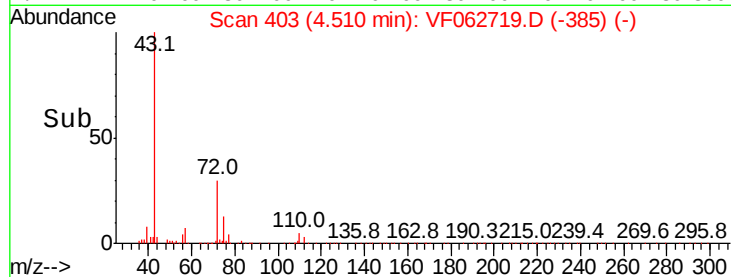
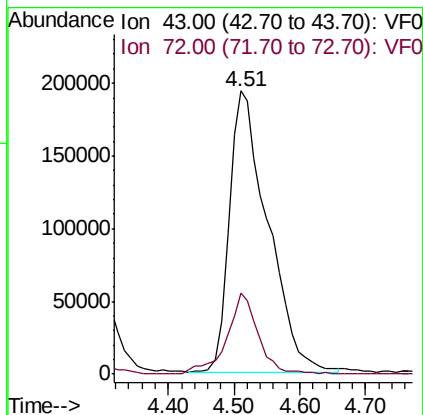
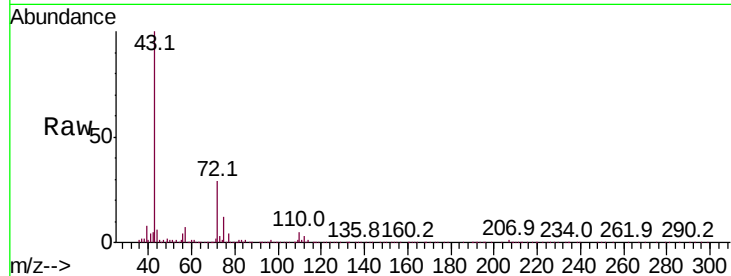
43 100

72 28.6 20.1 30.1

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#26

2,2-Dichloropropane

Concen: 53.727 ug/l

RT: 3.77 min Scan# 328

Delta R.T. -0.02 min

Lab File: VF062719.D

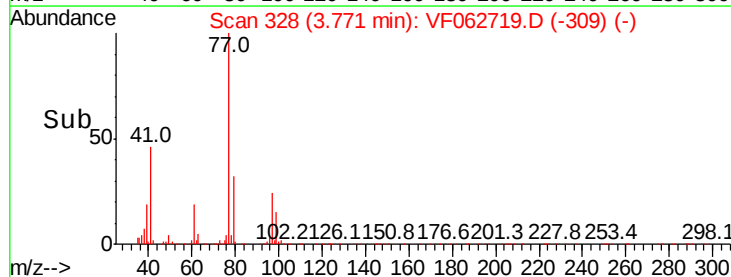
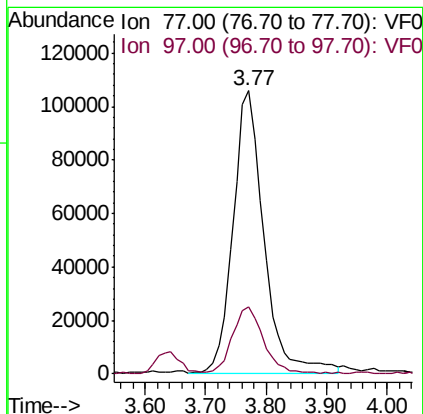
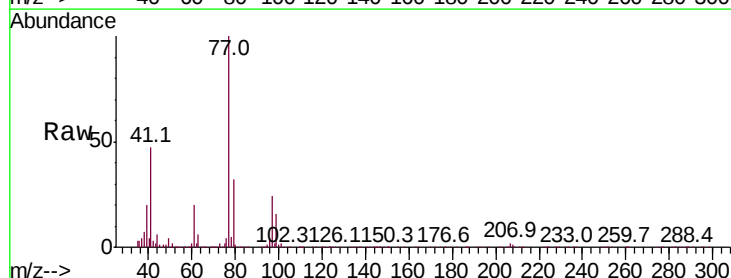
Acq: 23 May 2019 10:16

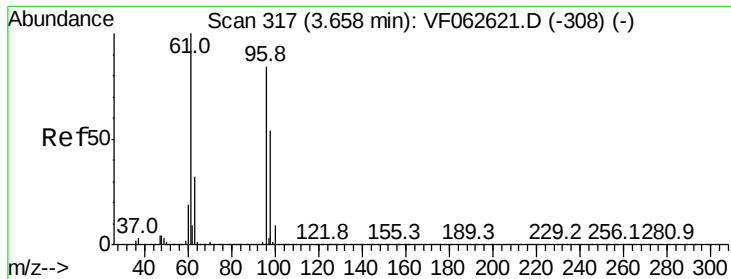
Tgt Ion: 77 Resp: 371913

Ion Ratio Lower Upper

77 100

97 23.6 14.1 42.4





#27

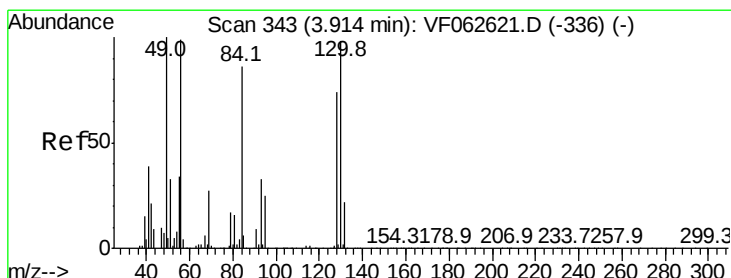
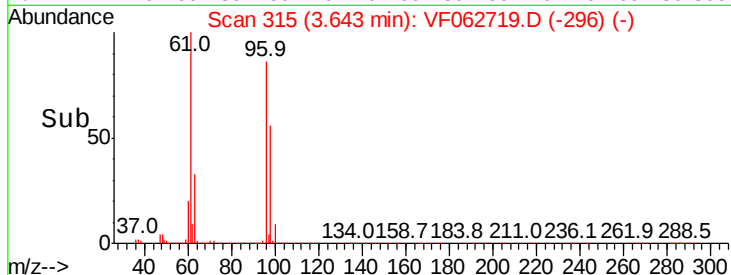
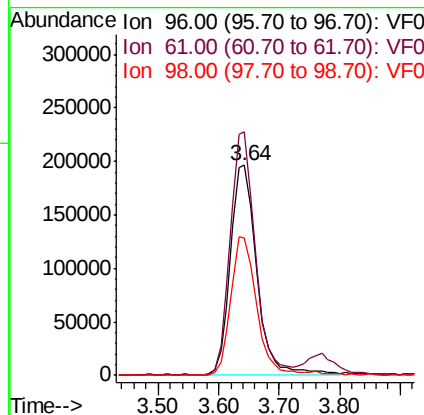
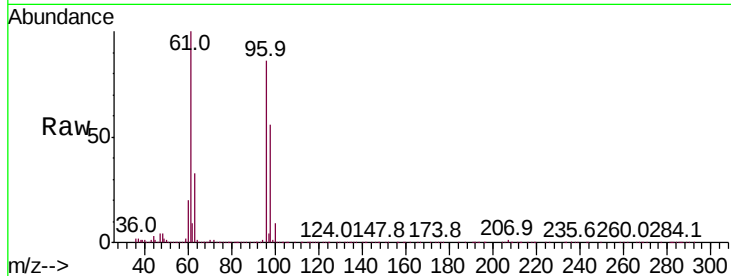
cis-1,2-Dichloroethene
Concen: 49.842 ug/l
RT: 3.64 min Scan# 315
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	592043		
61	115.8	0.0	237.4	
98	65.4	0.0	129.0	

Manual Integrations
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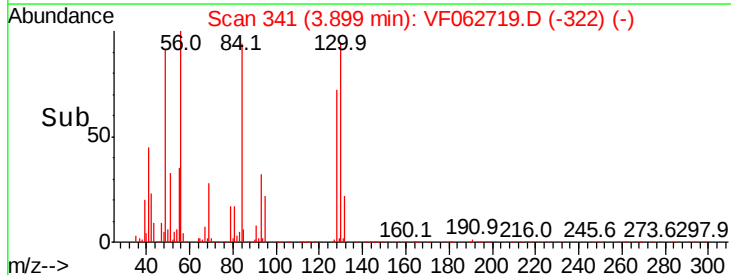
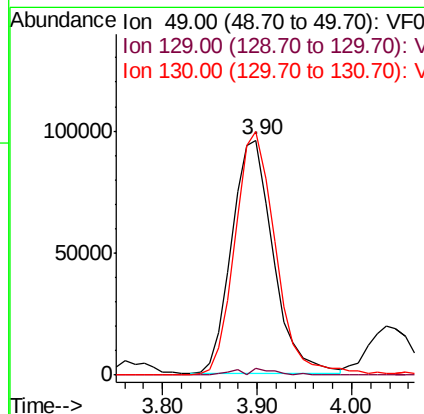
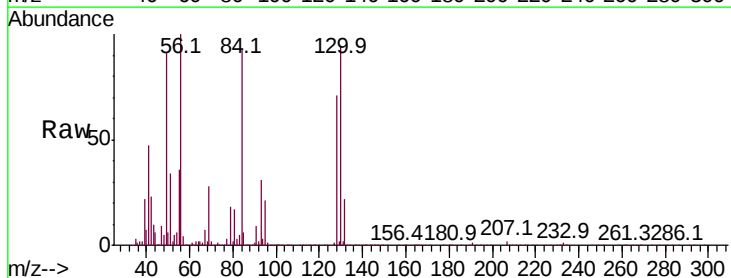
MMDadoda
5/24/2019 11:11:05 AM

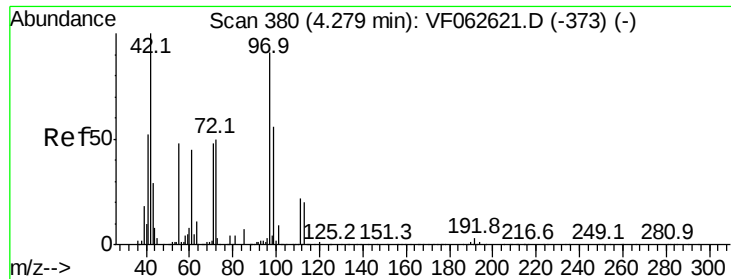


#28

Bromochloromethane
Concen: 42.725 ug/l
RT: 3.90 min Scan# 341
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	289907		
129	2.7	0.0	4.0	
130	103.5	77.8	116.8	





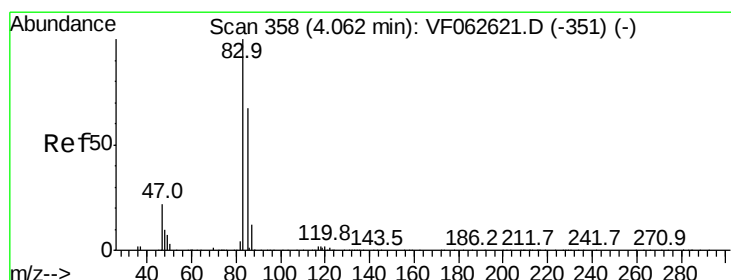
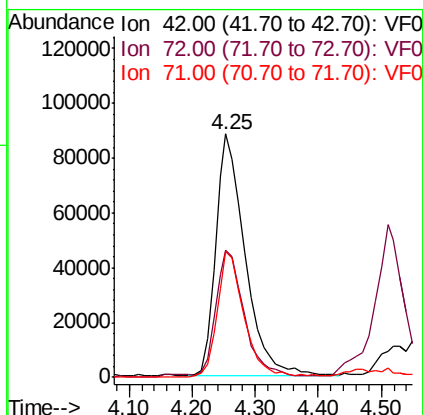
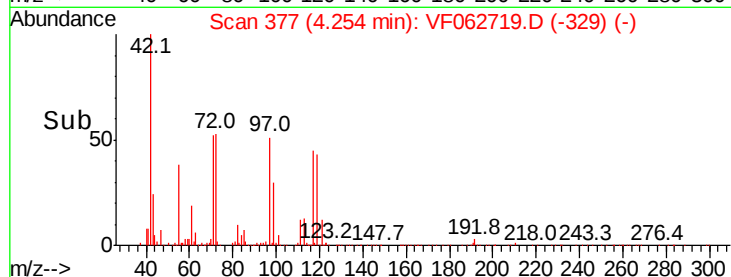
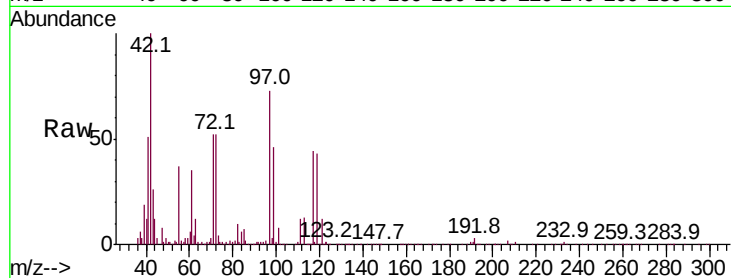
#29
Tetrahydrofuran
Concen: 220.152 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.8	38.2	57.2
71	48.3	35.8	53.6

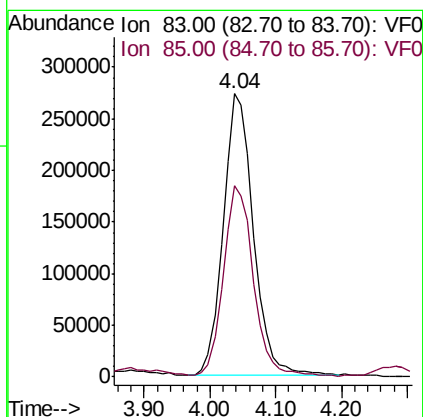
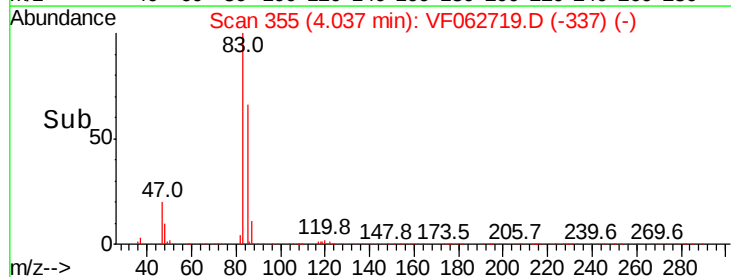
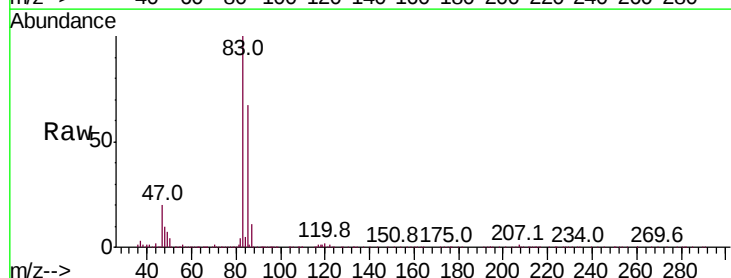
Manual Integrations
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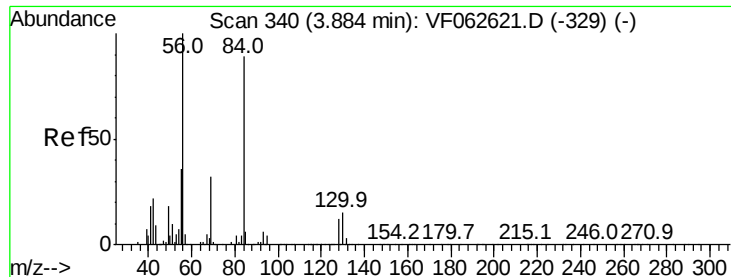
MMDadoda
5/24/2019 11:11:05 AM



#30
Chloroform
Concen: 52.212 ug/l
RT: 4.04 min Scan# 355
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.4	53.6	80.4





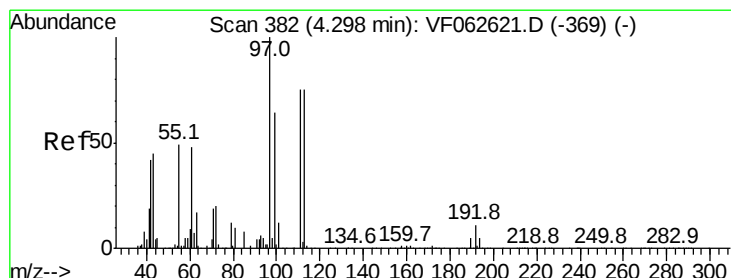
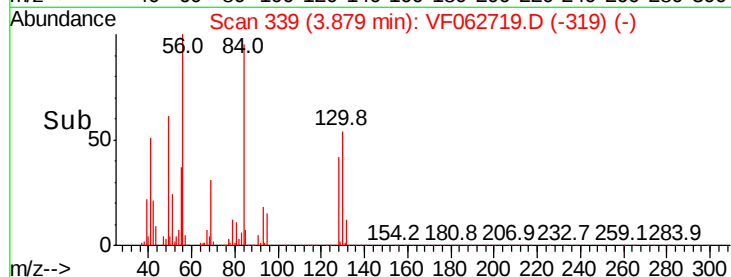
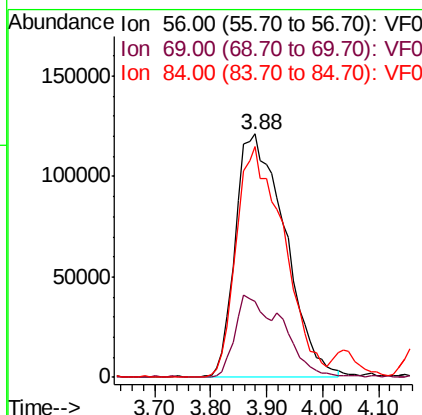
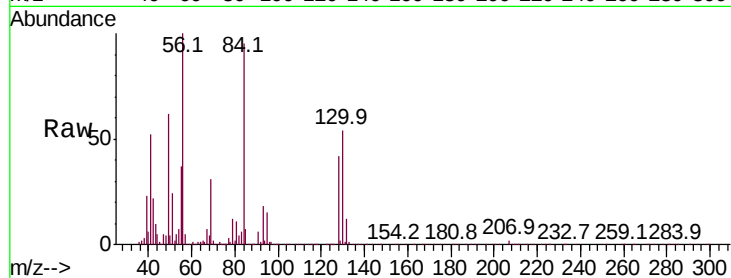
#31
Cyclohexane
Concen: 45.619 ug/l
RT: 3.88 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.2	25.3	37.9
84	95.1	71.0	106.4

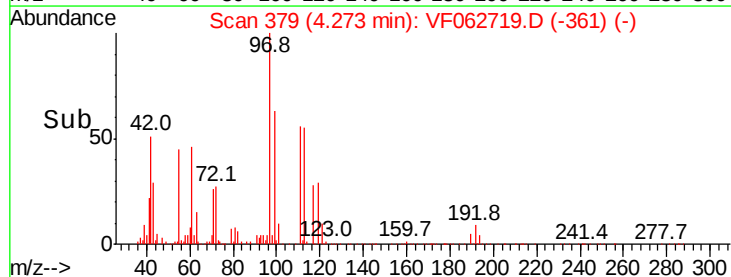
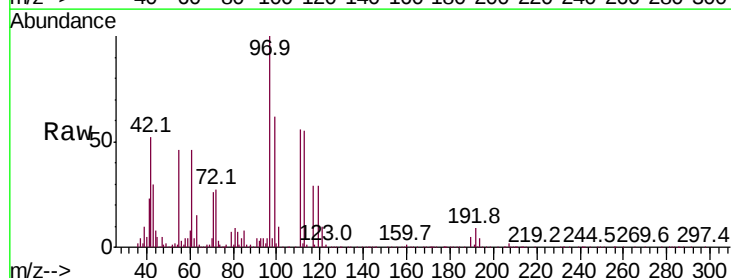
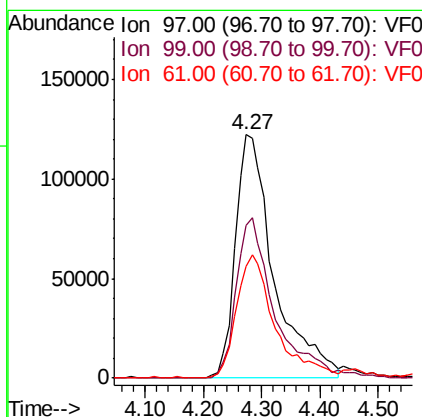
Manual Integrations
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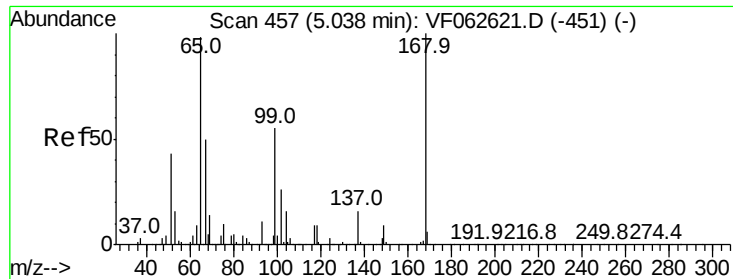
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 50.377 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.5	51.3	76.9
61	45.8	38.2	57.2





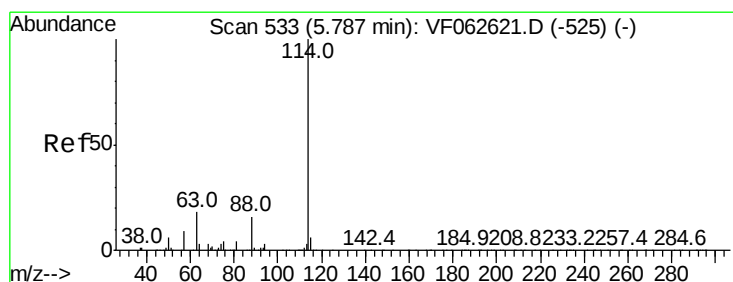
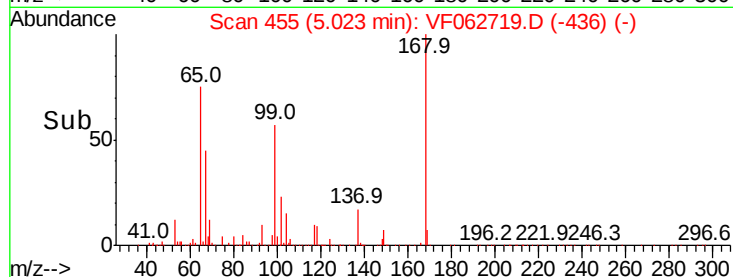
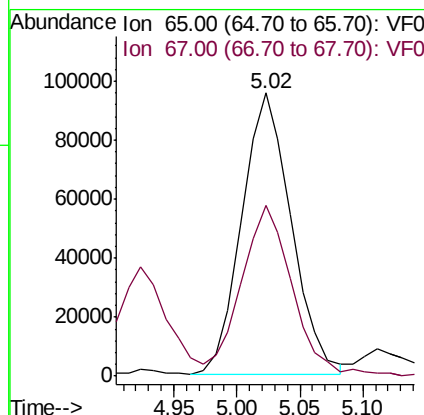
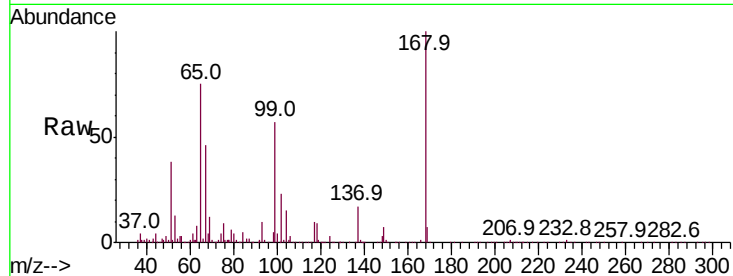
#33
 1,2-Dichloroethane-d4
 Concen: 44.840 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. -0.02 min
 Lab File: VF062719.D
 Acq: 23 May 2019 10:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	260598		
67	60.5	0.0	117.6	

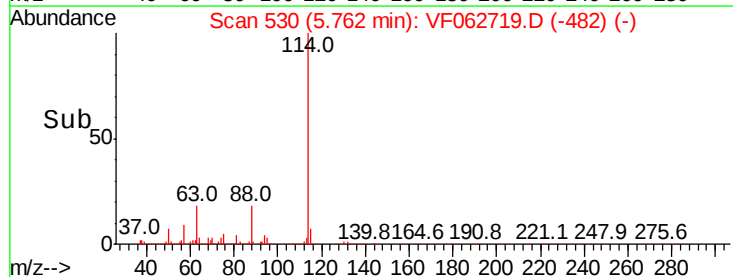
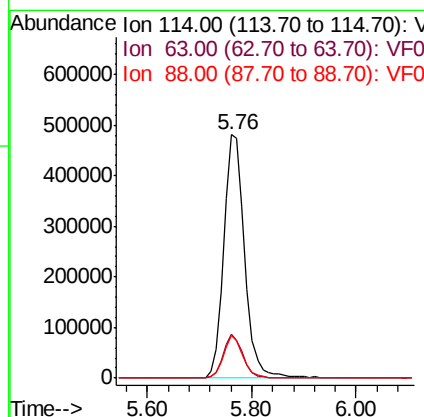
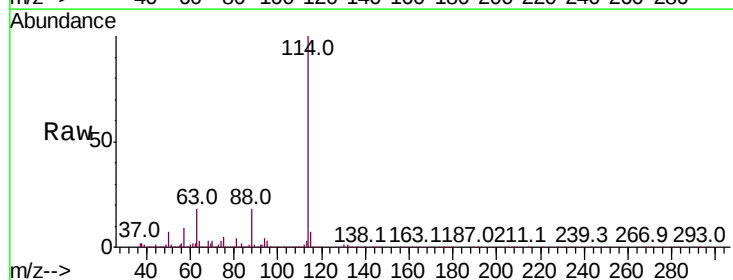
Manual Integrations
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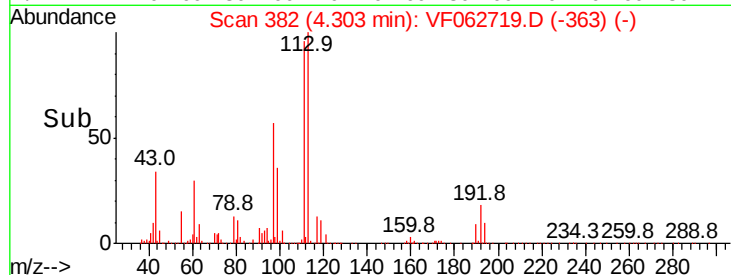
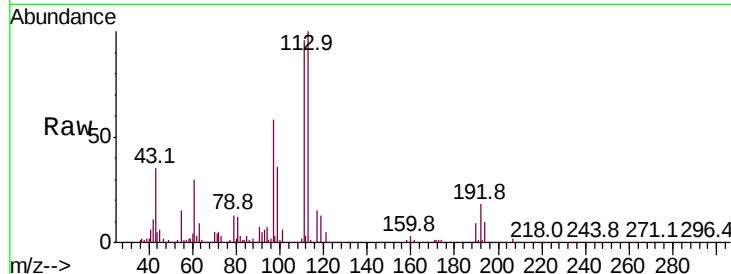
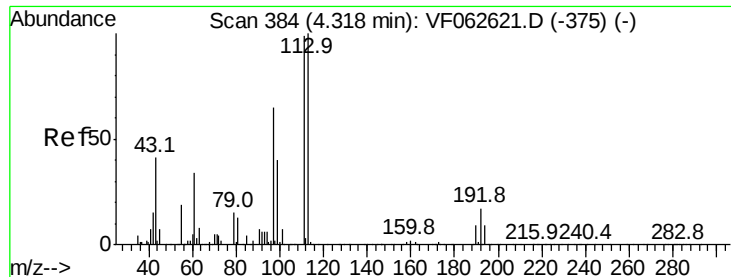
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 5/24/2019 11:11:05 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: VF062719.D
 Acq: 23 May 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1330224		
63	17.9	0.0	35.4	
88	17.6	0.0	32.4	





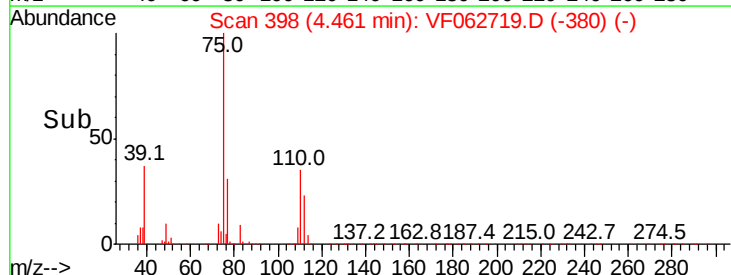
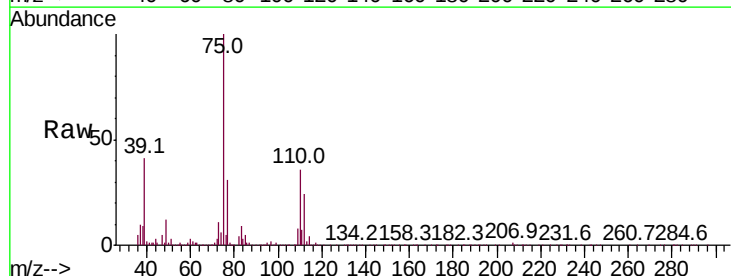
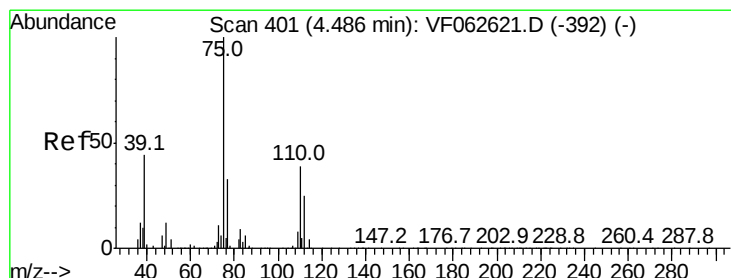
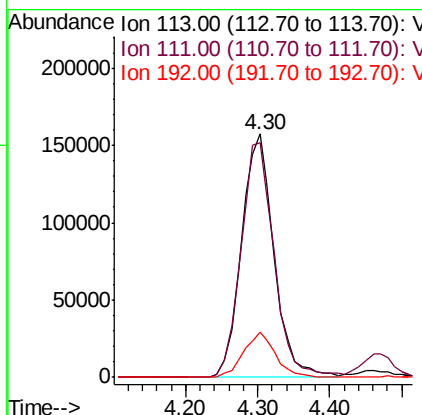
#35
Dibromofluoromethane
Concen: 48.423 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Tot Ion	Ratio	Resp	Lower	Upper
113	100	492891		
111	96.3	79.4	119.2	
192	18.3	13.4	20.2	

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

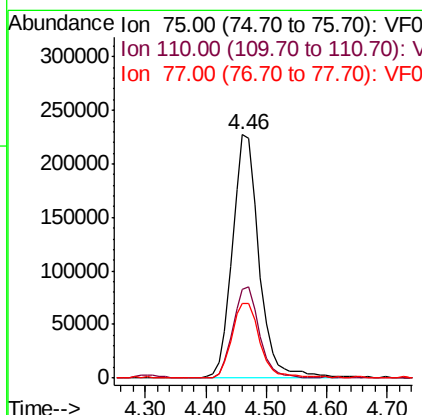
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#36
1,1-Dichloropropene
Concen: 51.054 ug/l
RT: 4.46 min Scan# 398
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	695899		
110	36.3	19.7	59.1	
77	30.8	26.3	39.5	





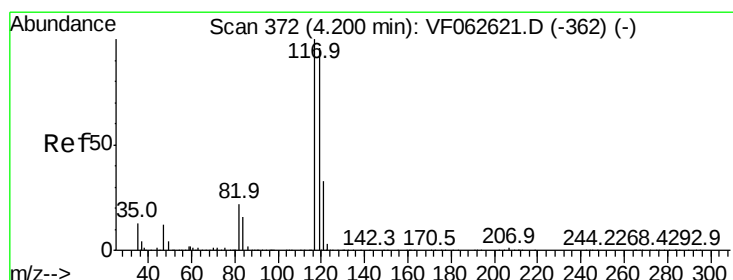
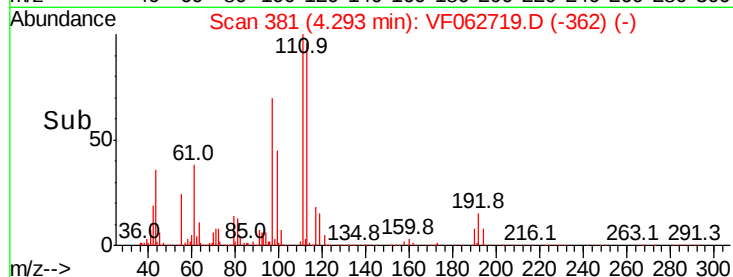
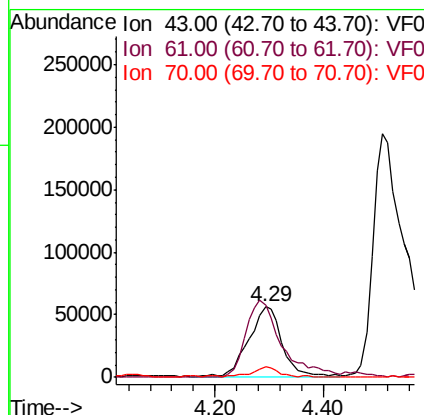
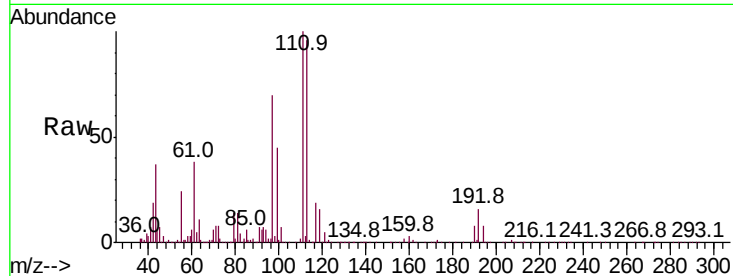
#37
Ethyl Acetate
Concen: 42.157 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	102.4	76.9	115.3
70	15.5	8.8	13.2

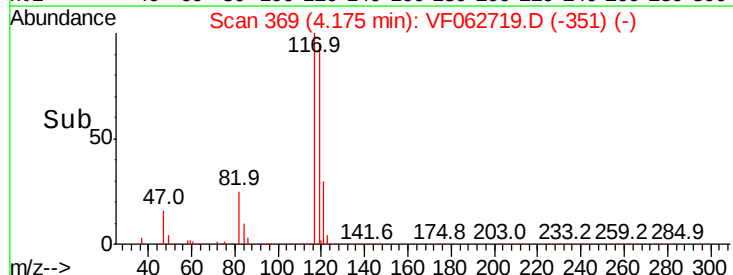
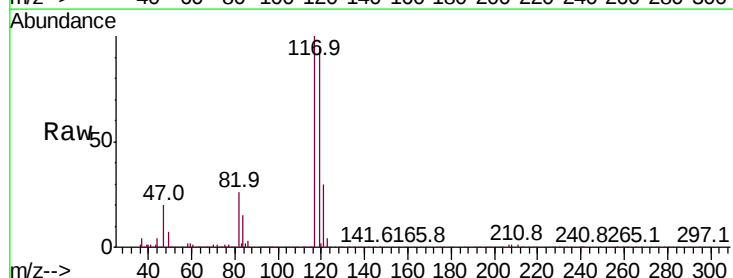
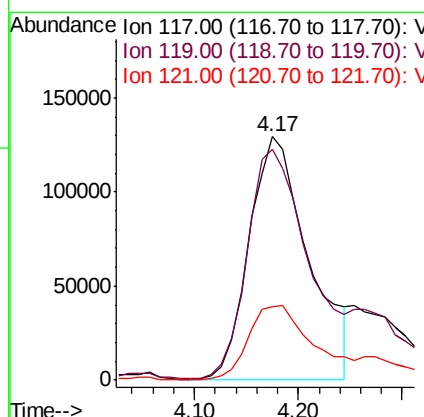
Manual Integrations
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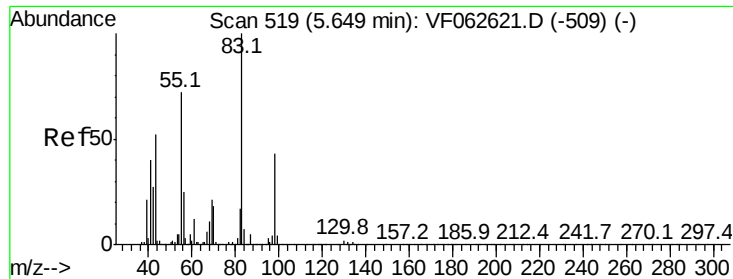
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#38
Carbon Tetrachloride
Concen: 50.632 ug/l m
RT: 4.17 min Scan# 369
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	76.7	115.1
121	30.2	26.6	40.0





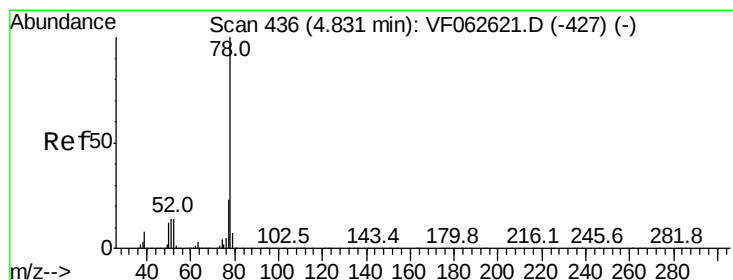
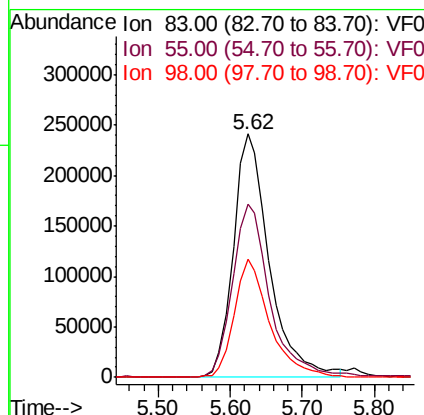
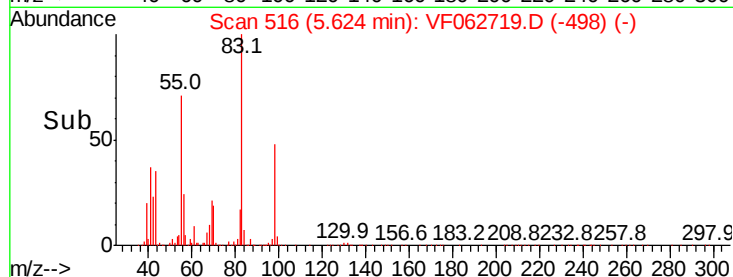
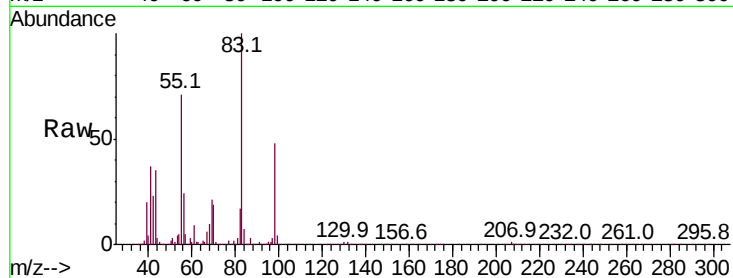
#39
Methvlcvclohexane
Concen: 51.120 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	71.3	57.9	86.9	
98	48.3	34.6	52.0	

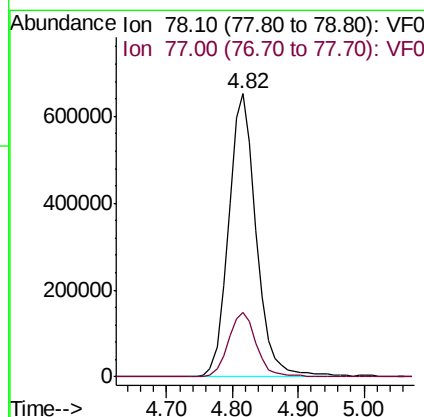
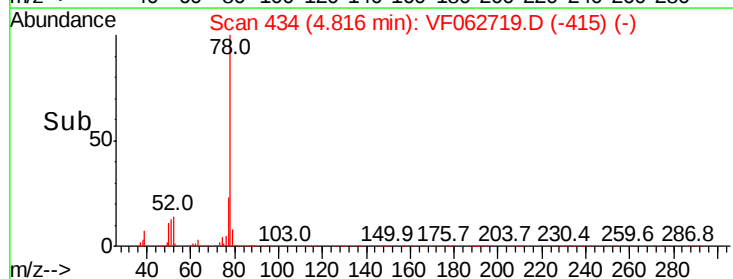
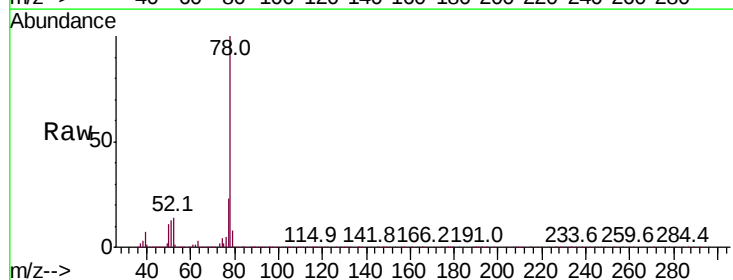
Manual Integrations
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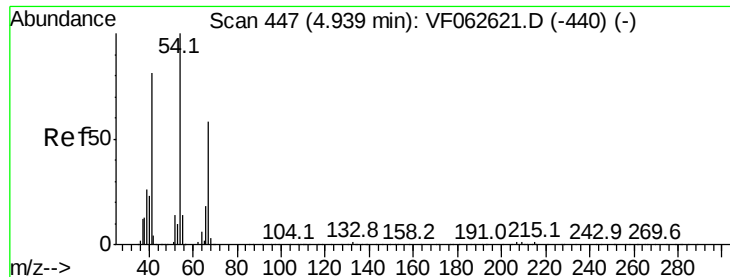
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#40
Benzene
Concen: 51.470 ug/l
RT: 4.82 min Scan# 434
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.9	18.2	27.2	





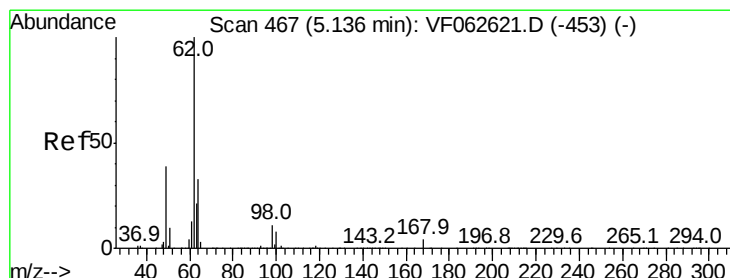
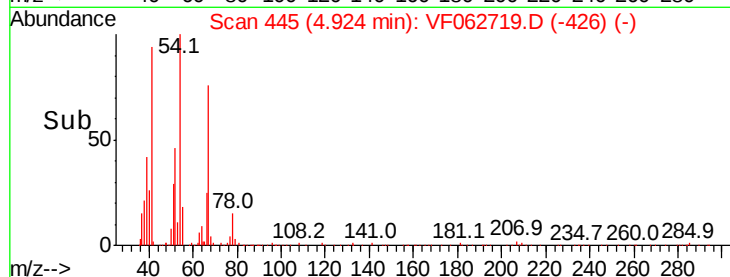
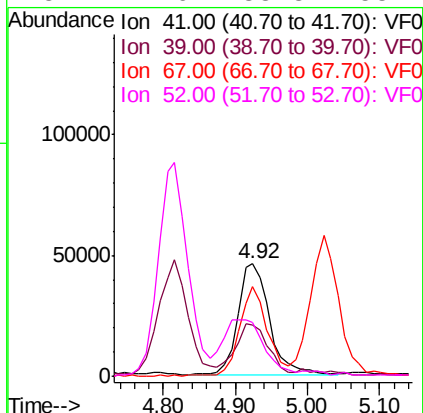
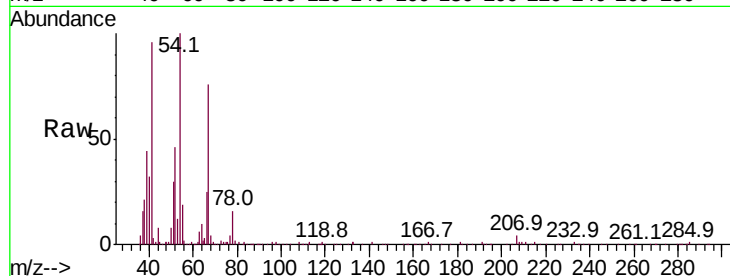
#41
Methacrylonitrile
Concen: 48.117 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	45.7	42.2	63.2
67	79.7	56.4	84.6
52	47.6	38.8	58.2

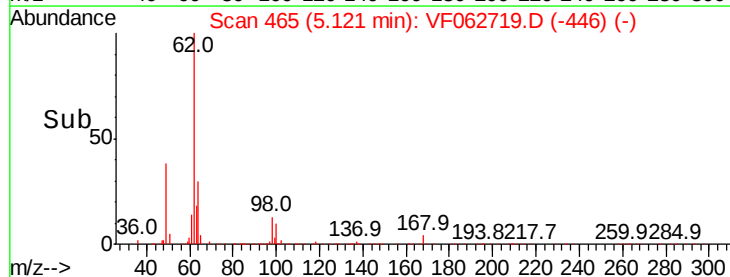
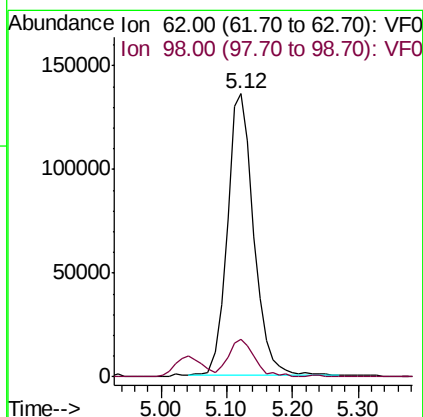
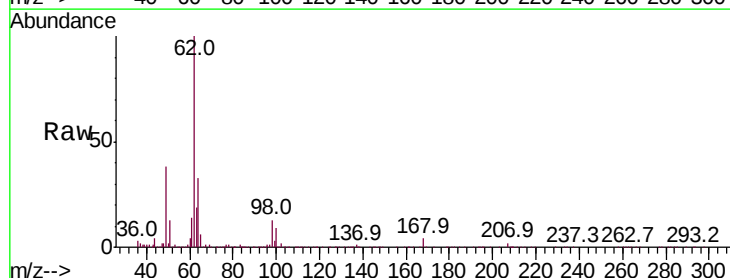
Manual Integrations
APPROVED

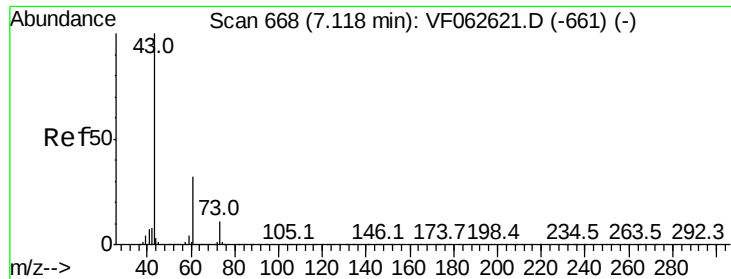
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#42
1,2-Dichloroethane
Concen: 51.411 ug/l
RT: 5.12 min Scan# 465
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
62	100		
98	13.3	0.0	21.6





#43

Isopropyl Acetate

Concen: 41.881 ug/l

RT: 7.10 min Scan# 666

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

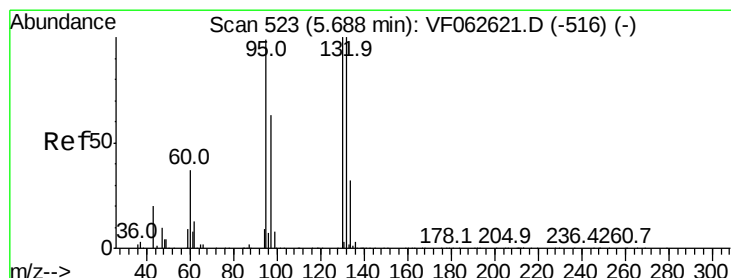
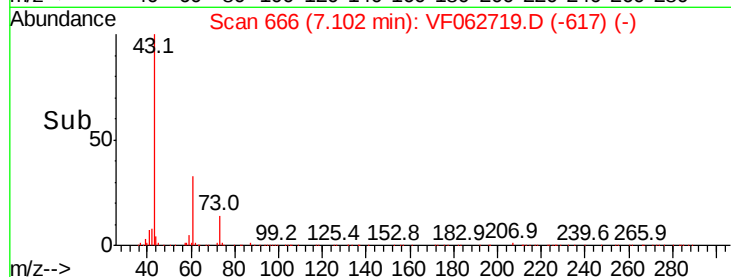
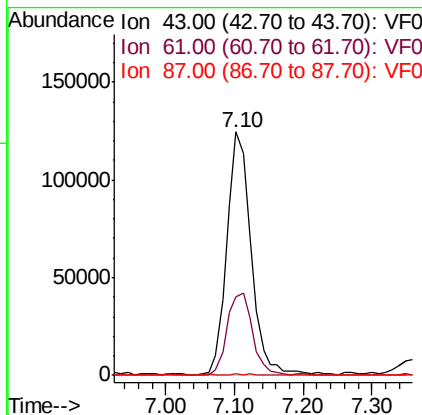
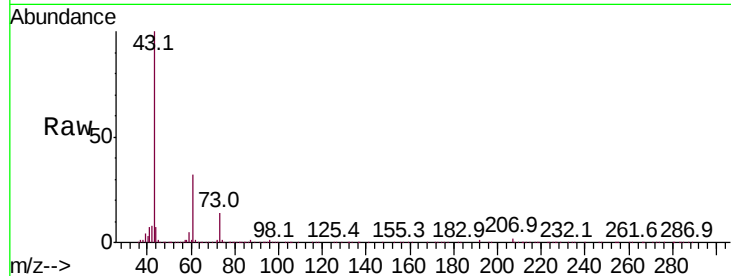
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	301969
Ion Ratio	Lower	Upper	
43	100		
61	32.3	25.8	38.8
87	0.6	0.4	0.6

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#44

Trichloroethene

Concen: 52.292 ug/l

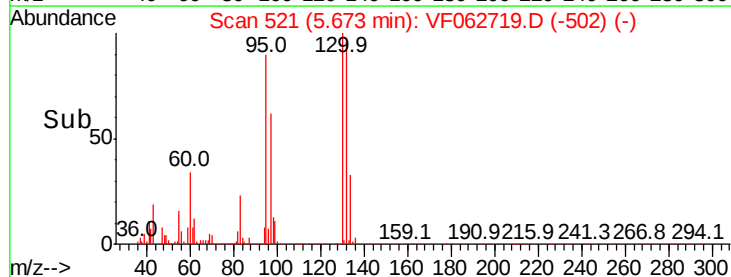
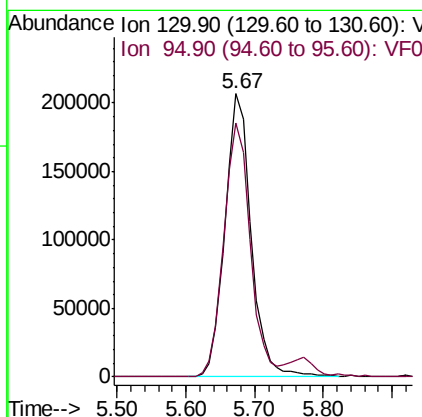
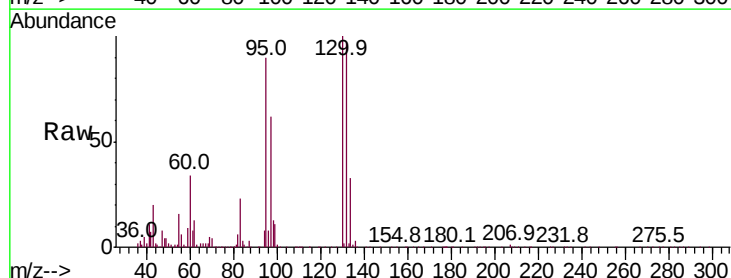
RT: 5.67 min Scan# 521

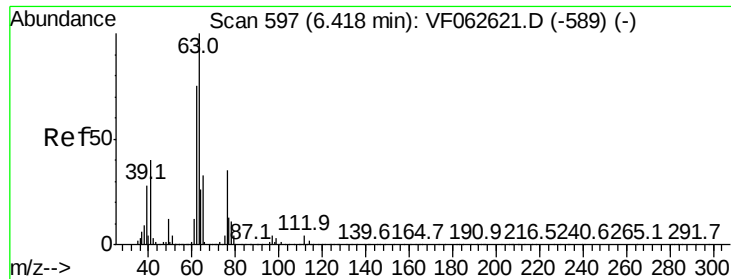
Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Tgt Ion:	130	Resp:	545750
Ion Ratio	Lower	Upper	
130	100		
95	89.8	0.0	199.4





#45

1,2-Dichloropropane

Concen: 49.561 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.02 min

Lab File: VF062719.D

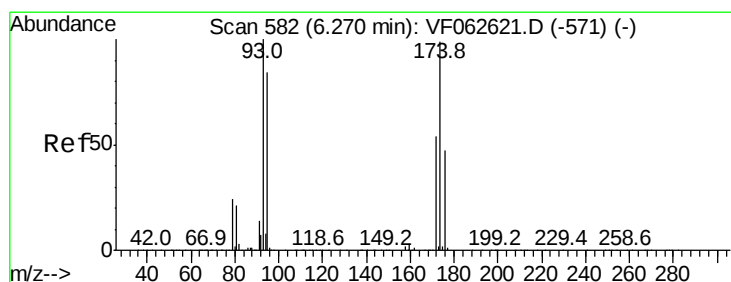
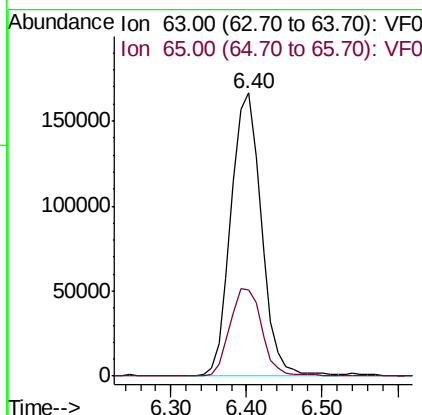
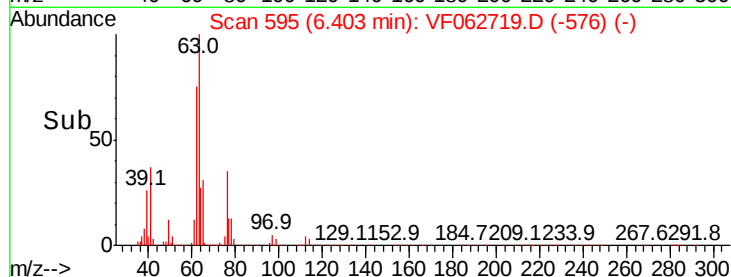
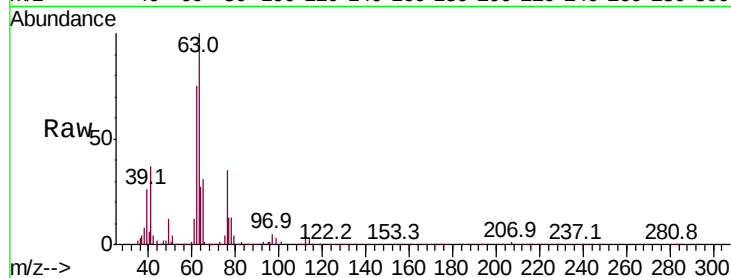
Acq: 23 May 2019 10:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	26.3	39.5

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#46

Dibromomethane

Concen: 50.900 ug/l

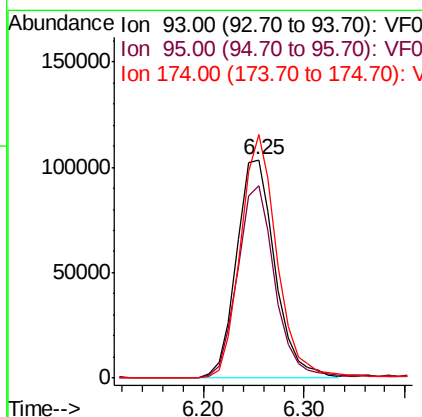
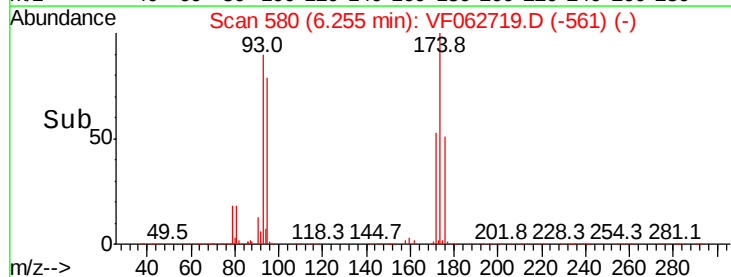
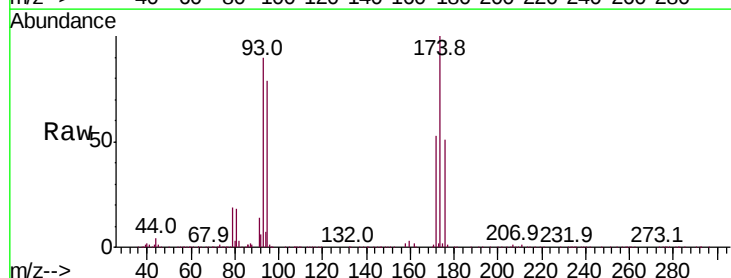
RT: 6.25 min Scan# 580

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
93	100		
95	87.9	67.4	101.2
174	111.4	79.4	119.2





#47

Bromodichloromethane

Concen: 52.931 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

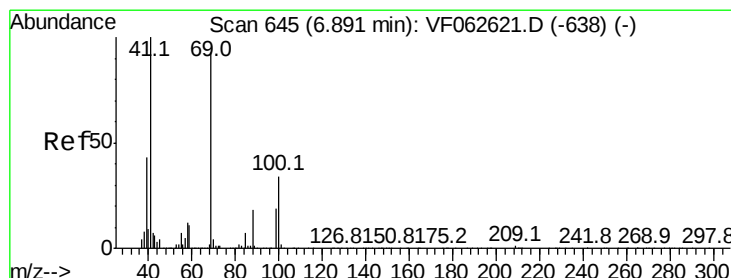
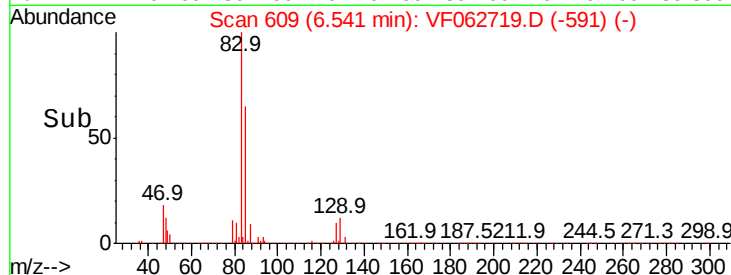
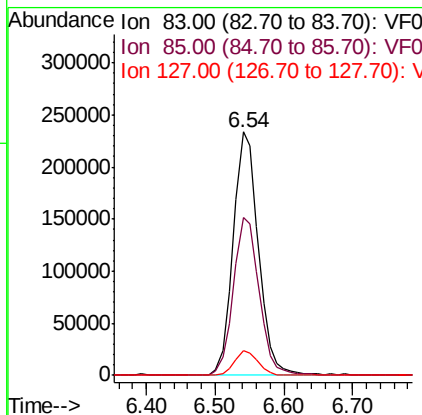
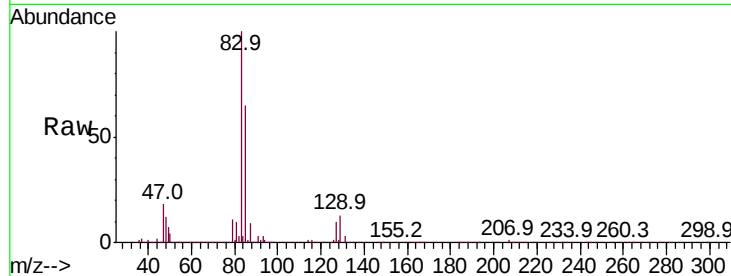
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	595290
Ion Ratio	Lower	Upper	
83	100		
85	64.6	52.0	78.0
127	9.9	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 41.155 ug/l

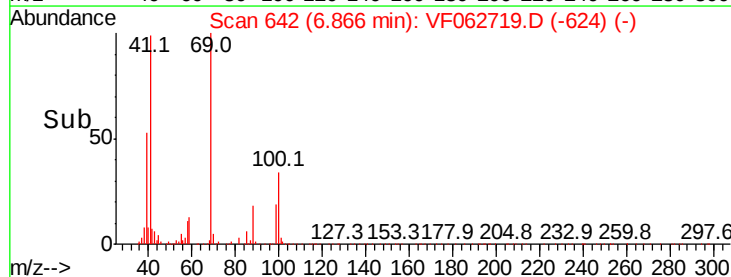
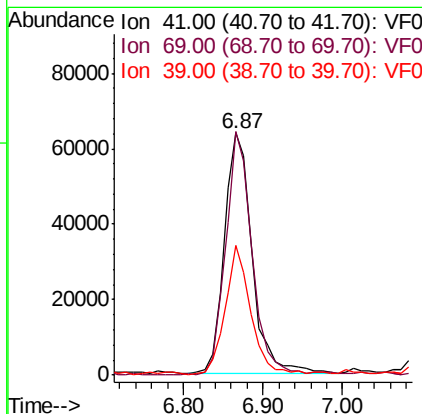
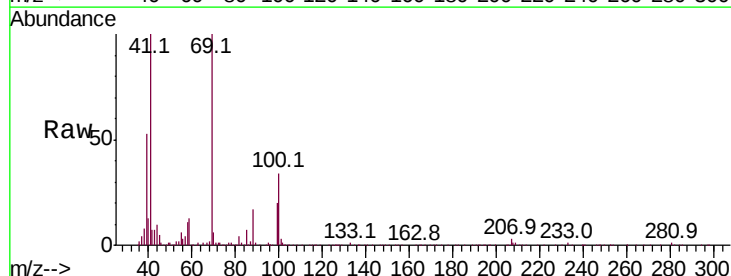
RT: 6.87 min Scan# 642

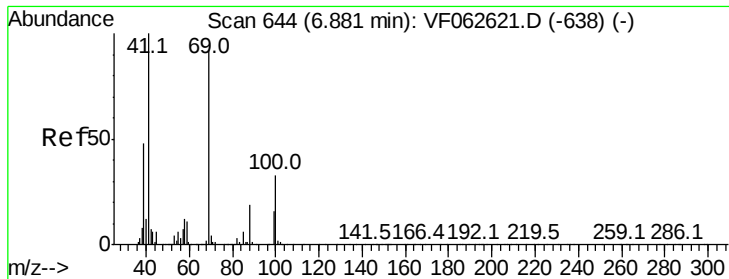
Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Tgt Ion:	41	Resp:	155099
Ion Ratio	Lower	Upper	
41	100		
69	100.5	74.2	111.2
39	53.7	34.2	51.4#





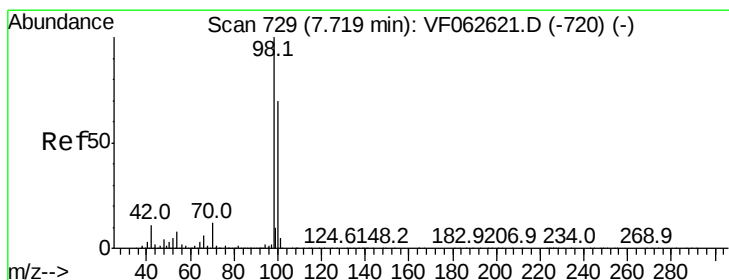
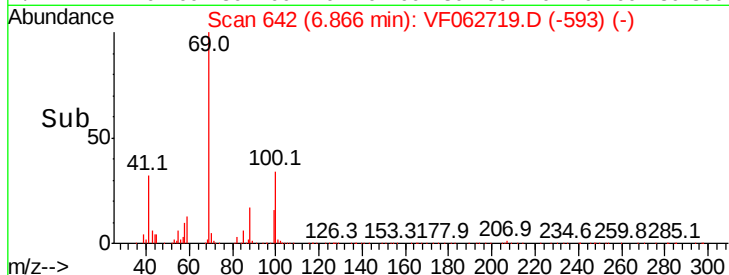
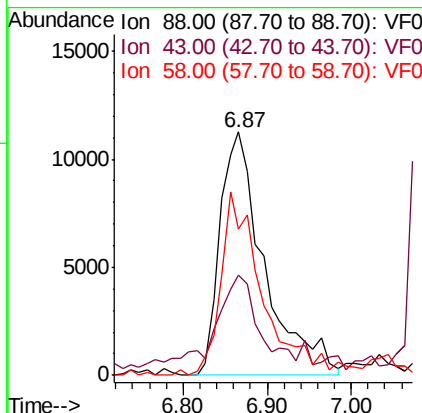
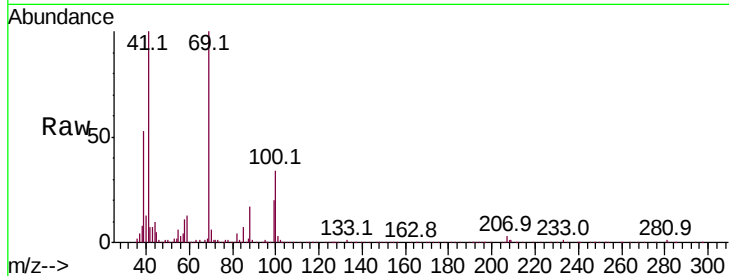
#49
1,4-Dioxane
Concen: 854.569 ug/l
RT: 6.87 min Scan# 642
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.3	30.0	45.0
58	60.2	51.1	76.7

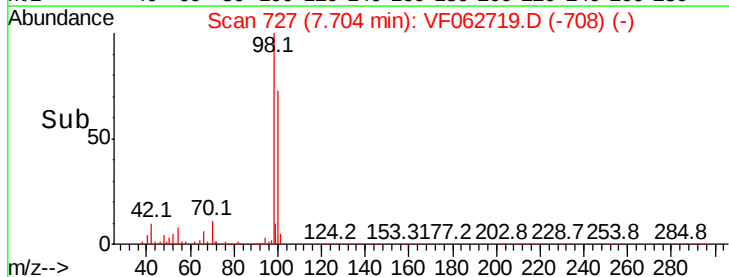
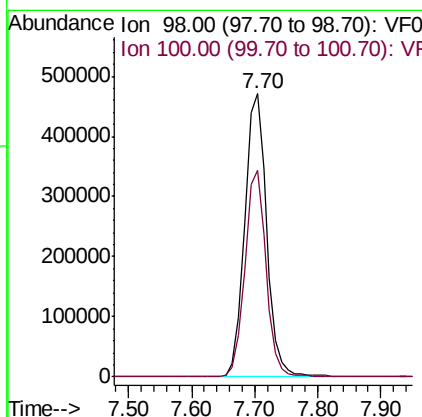
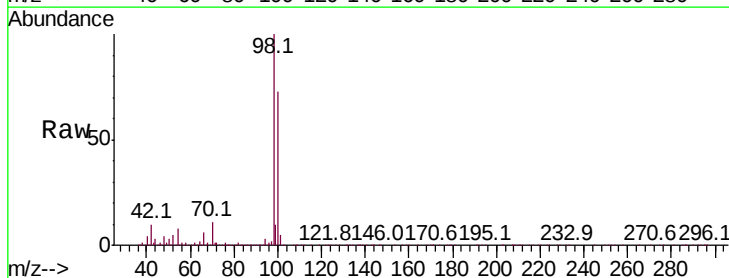
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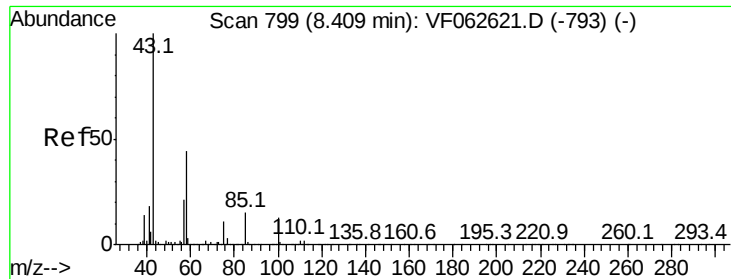
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#50
Toluene-d8
Concen: 46.696 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	73.1	56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 223.844 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1103208

Ion Ratio Lower Upper

43 100

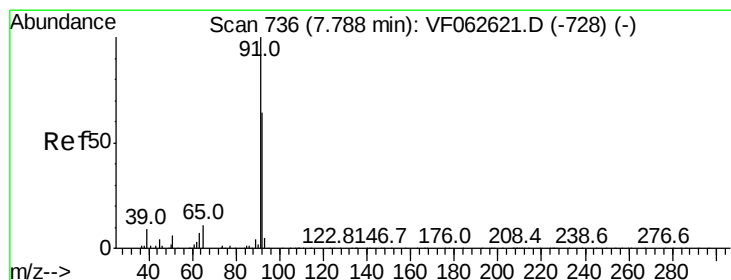
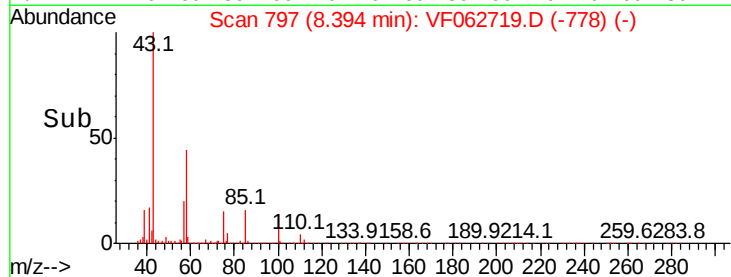
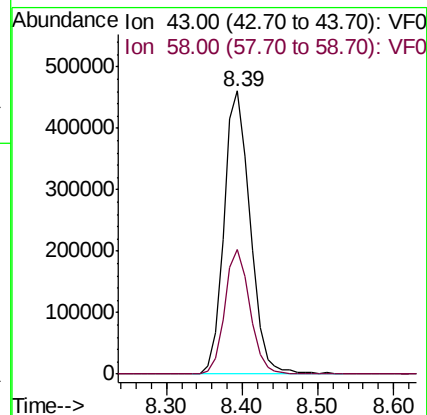
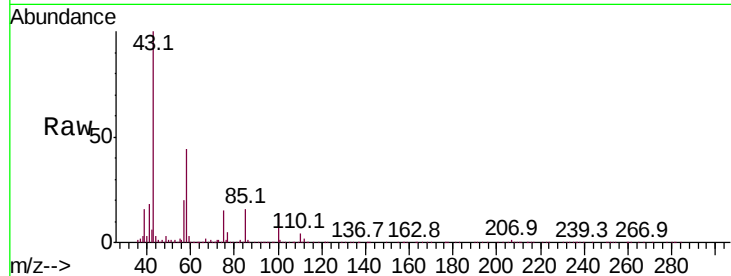
58 44.1 34.9 52.3

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#52

Toluene

Concen: 52.984 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.02 min

Lab File: VF062719.D

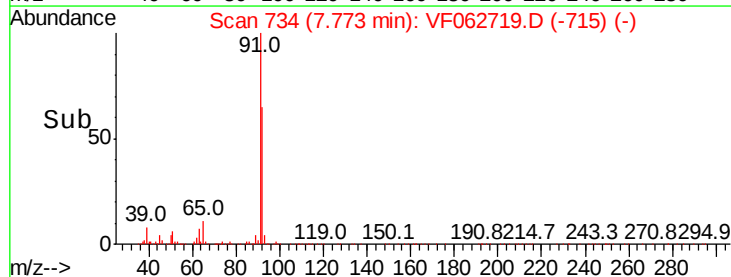
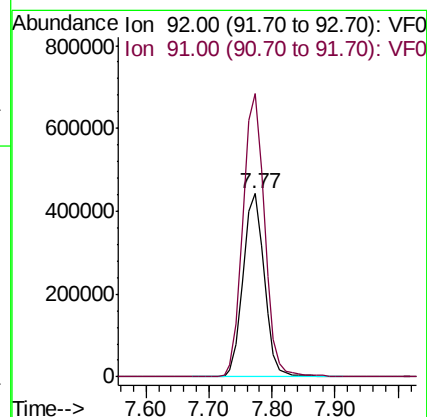
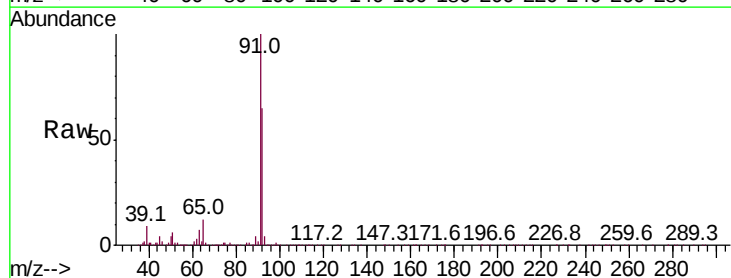
Acq: 23 May 2019 10:16

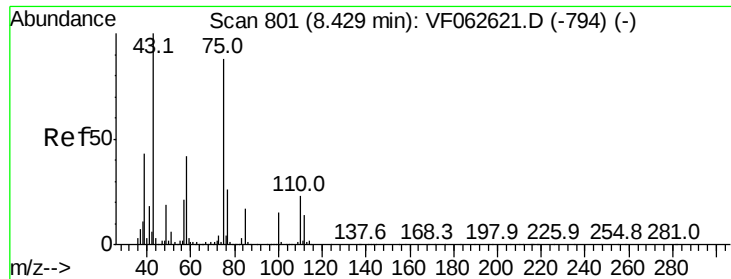
Tgt Ion: 92 Resp: 1031835

Ion Ratio Lower Upper

92 100

91 154.5 125.4 188.0





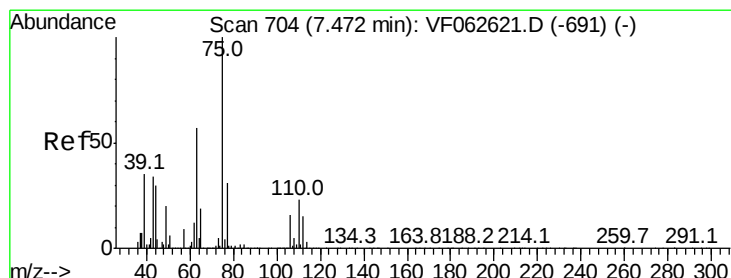
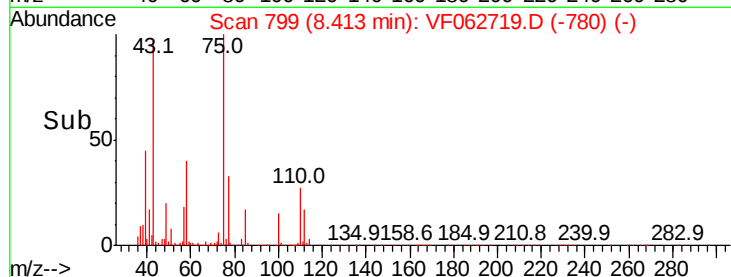
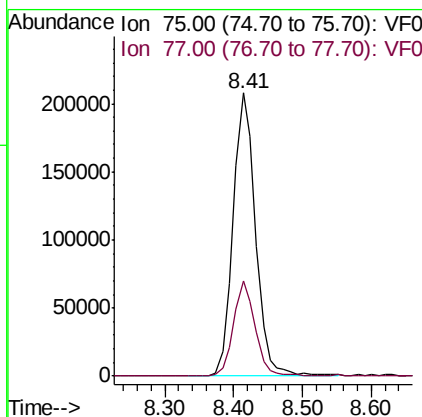
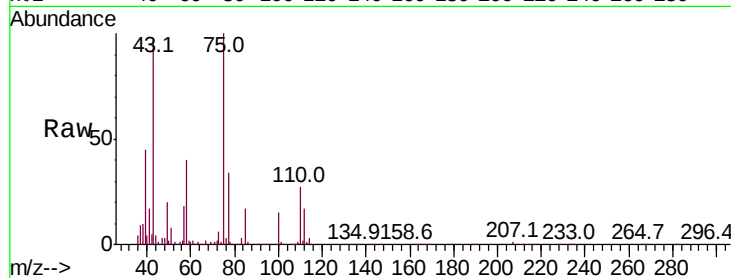
#53
t-1,3-Dichloropropene
Concen: 50.729 ug/l
RT: 8.41 min Scan# 799
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 466758
Ion Ratio Lower Upper
75 100
77 33.6 24.2 36.4

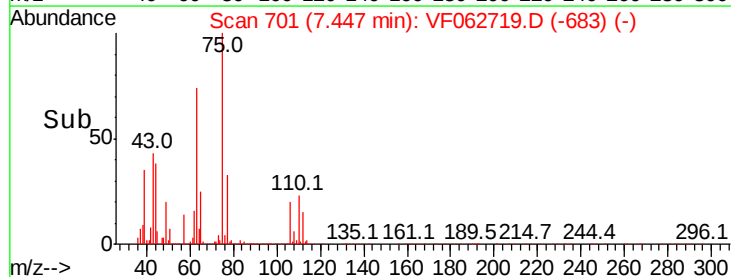
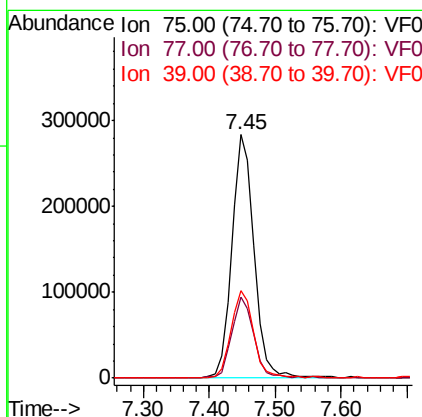
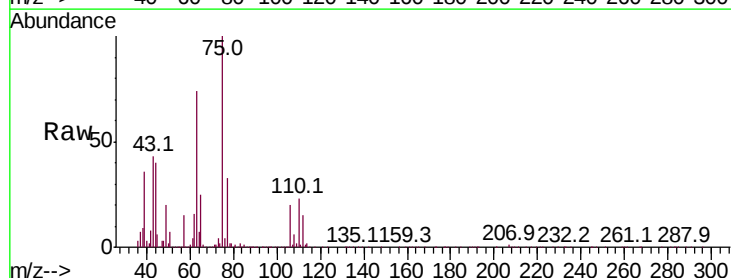
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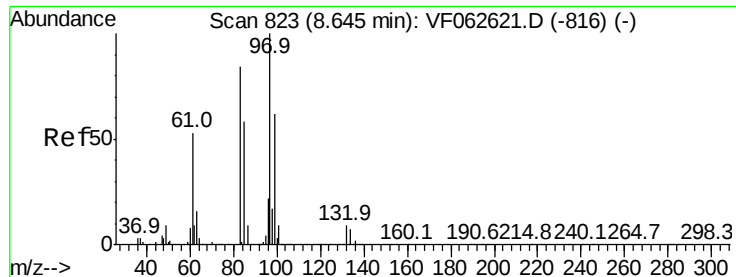
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#54
cis-1,3-Dichloropropene
Concen: 51.706 ug/l
RT: 7.45 min Scan# 701
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Tgt Ion: 75 Resp: 665973
Ion Ratio Lower Upper
75 100
77 33.4 25.3 37.9
39 35.7 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 51.433 ug/l

RT: 8.62 min Scan# 820

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

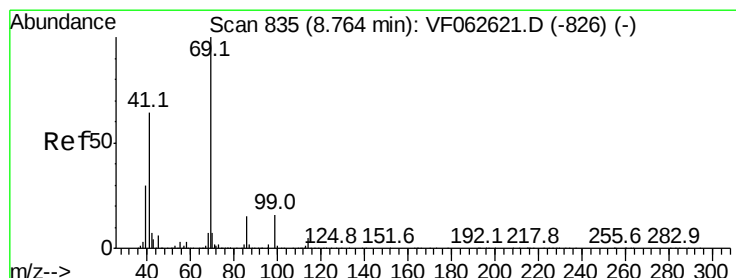
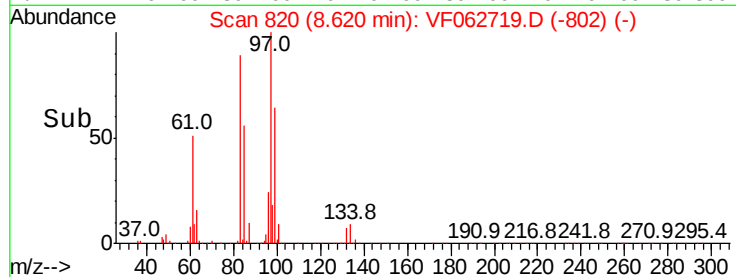
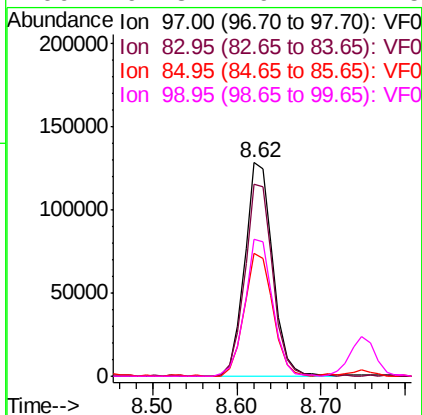
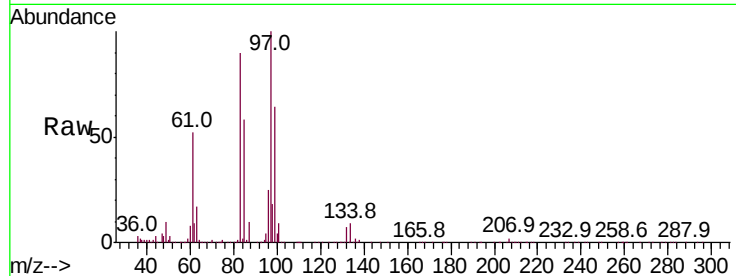
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		296574		
83	89.8	67.3	100.9		
85	57.6	46.6	69.8		
99	64.3	49.7	74.5		

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#56

Ethyl methacrylate

Concen: 44.365 ug/l

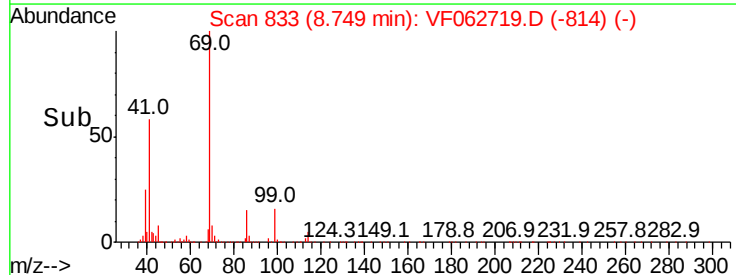
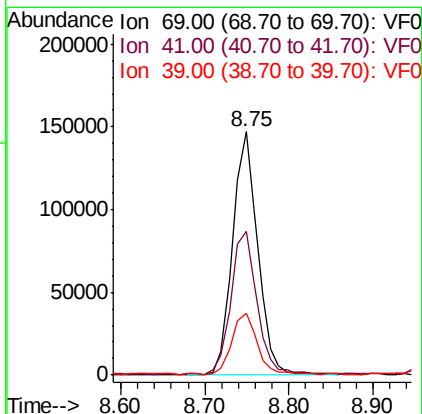
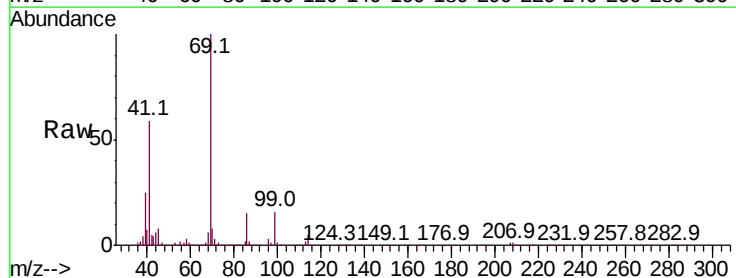
RT: 8.75 min Scan# 833

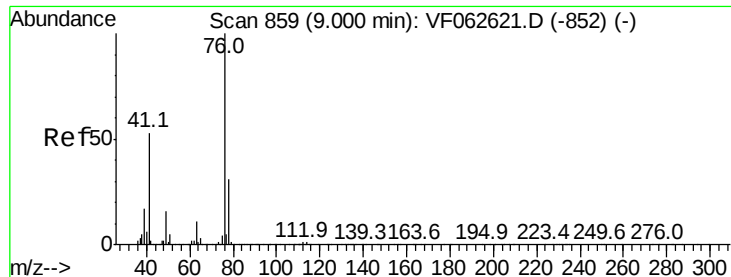
Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		304774		
41	59.0	51.4	77.2		
39	25.4	23.6	35.4		





#57

1,3-Dichloropropane

Concen: 50.825 ug/l

RT: 8.99 min Scan# 857

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 499181

Ion Ratio Lower Upper

76 100

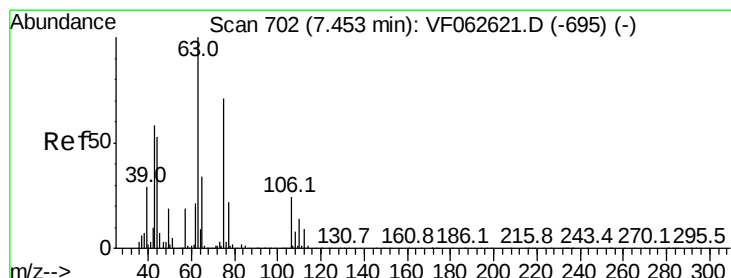
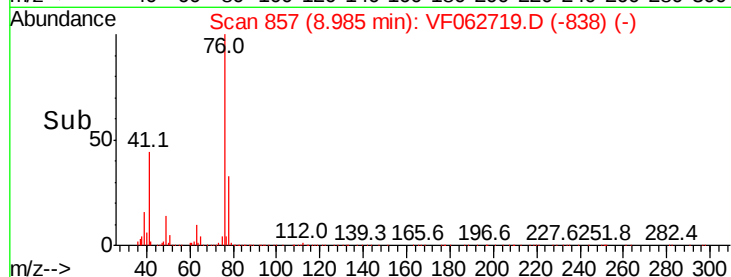
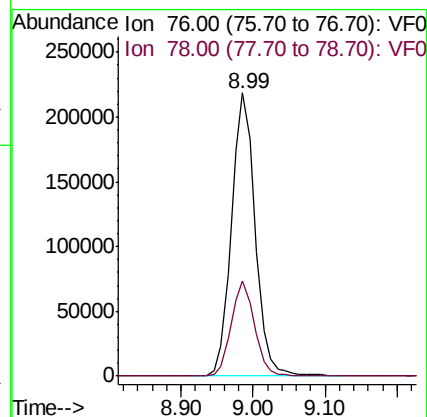
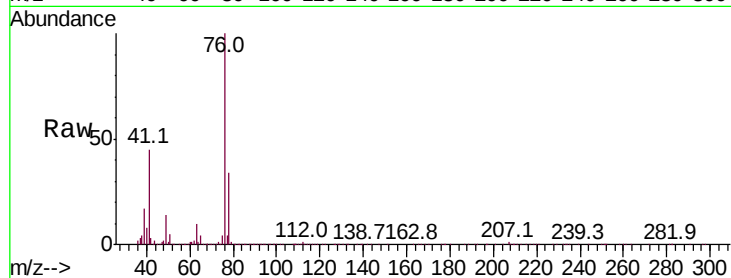
78 33.6 25.4 38.0

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 244.755 ug/l

RT: 7.44 min Scan# 700

Delta R.T. -0.02 min

Lab File: VF062719.D

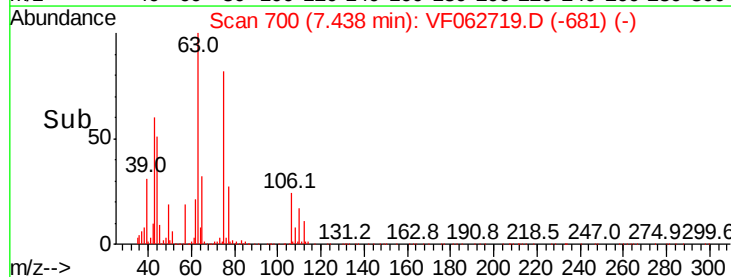
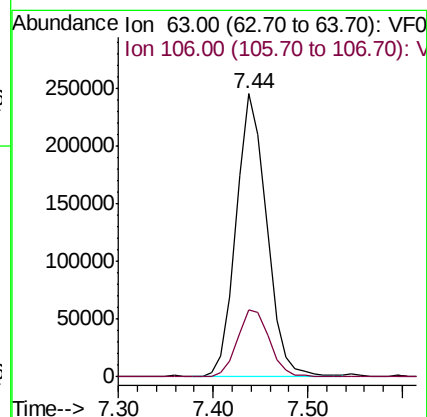
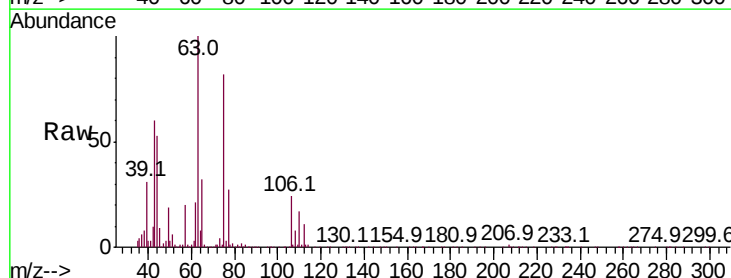
Acq: 23 May 2019 10:16

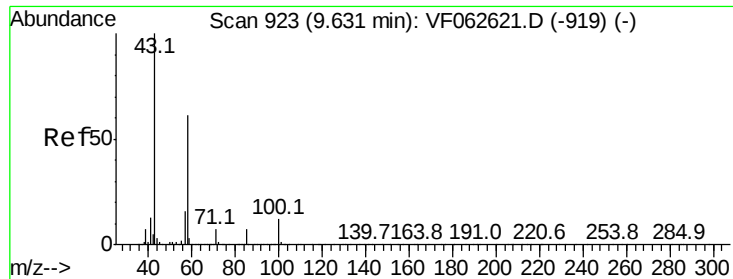
Tgt Ion: 63 Resp: 547291

Ion Ratio Lower Upper

63 100

106 23.6 19.1 28.7





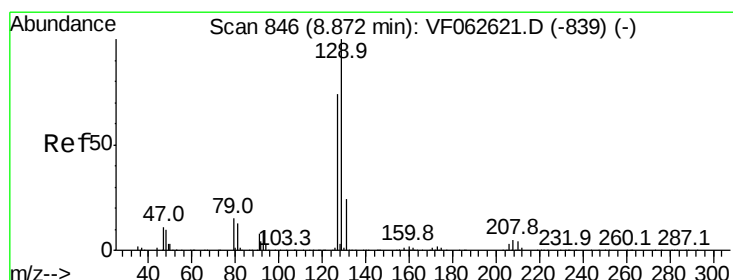
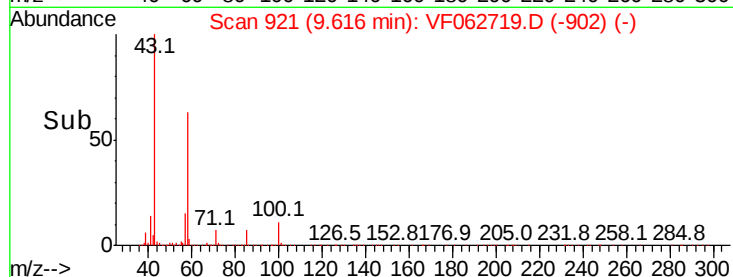
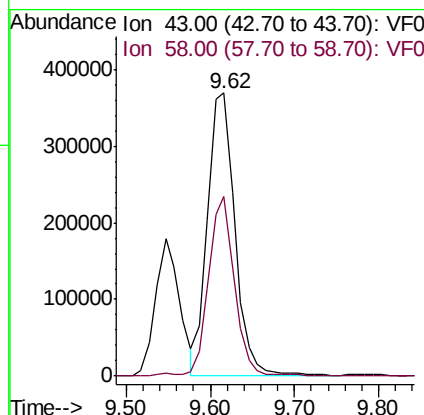
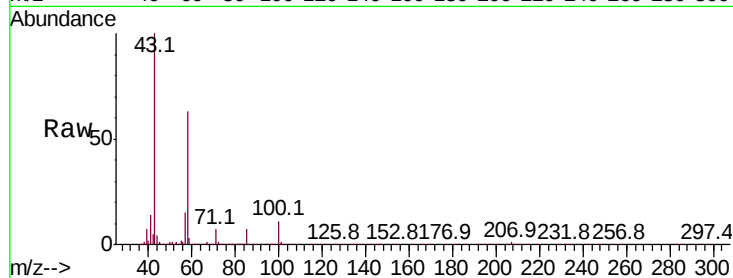
#59
2-Hexanone
Concen: 259.899 ug/l
RT: 9.62 min Scan# 921
Delta R.T. -0.01 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 831108
Ion Ratio Lower Upper
43 100
58 63.3 28.1 84.4

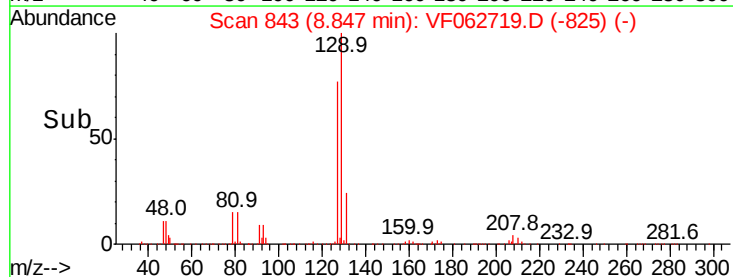
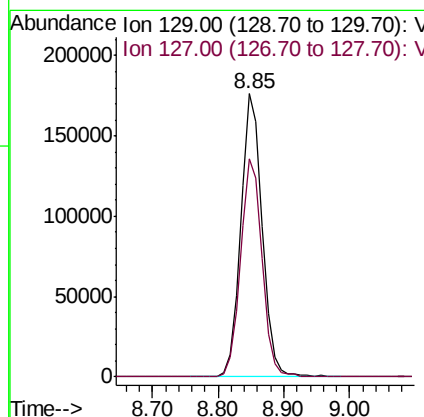
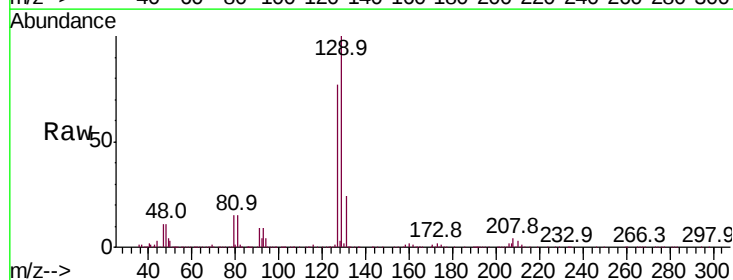
Manual Integrations
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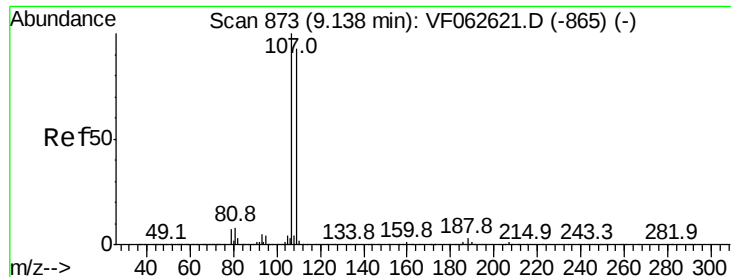
MMDadoda
5/24/2019 11:11:05 AM



#60
Dibromochloromethane
Concen: 53.396 ug/l
RT: 8.85 min Scan# 843
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Tgt Ion: 129 Resp: 401282
Ion Ratio Lower Upper
129 100
127 77.3 37.2 111.6





#61

1,2-Dibromoethane

Concen: 51.862 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 317633

Ion Ratio Lower Upper

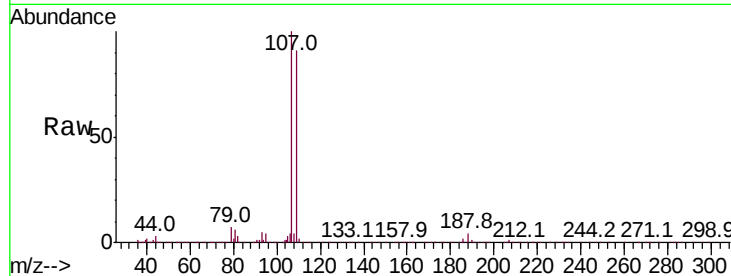
107 100

109 91.4 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

150000

100000

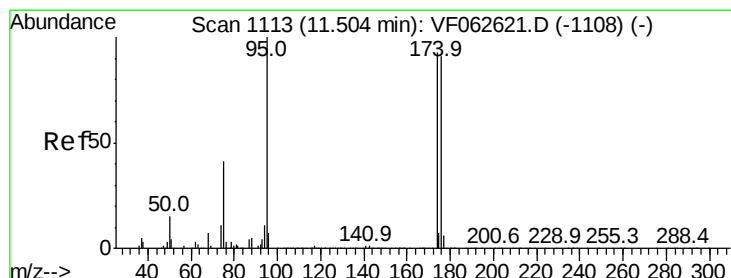
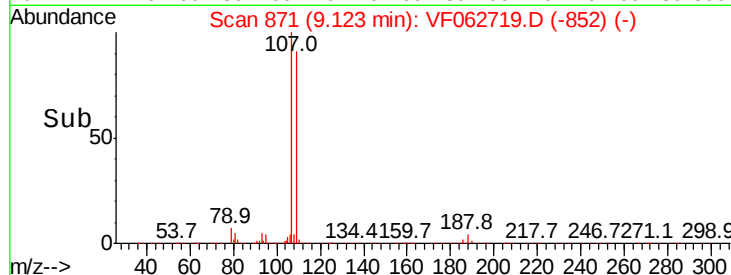
50000

0

9.12

9.00 9.10 9.20

Time-->



#62

4-Bromofluorobenzene

Concen: 41.159 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

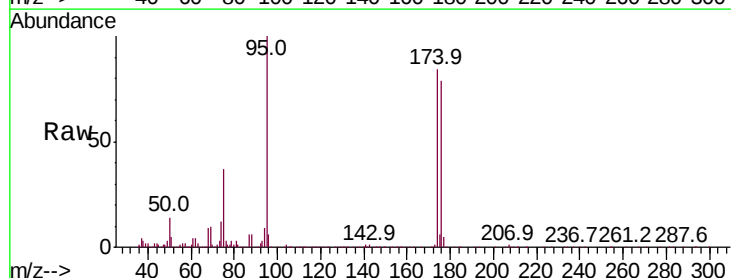
Tgt Ion: 95 Resp: 379382

Ion Ratio Lower Upper

95 100

174 83.7 0.0 185.6

176 79.3 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

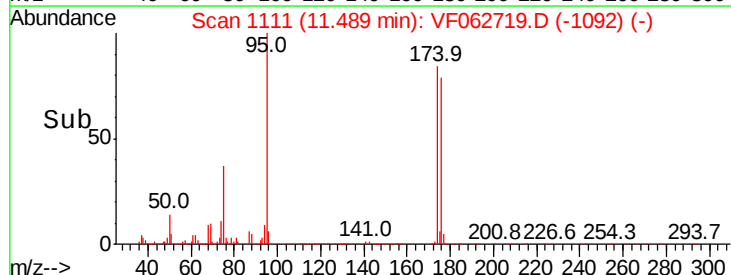
100000

0

11.49

11.40 11.50

Time-->





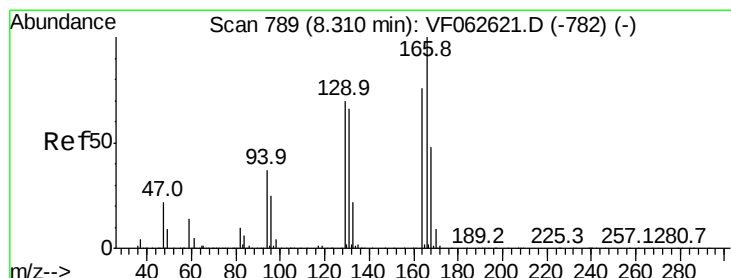
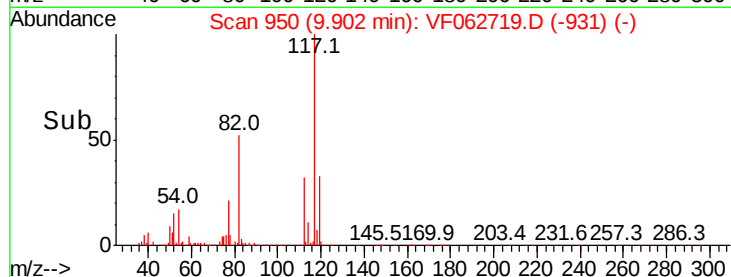
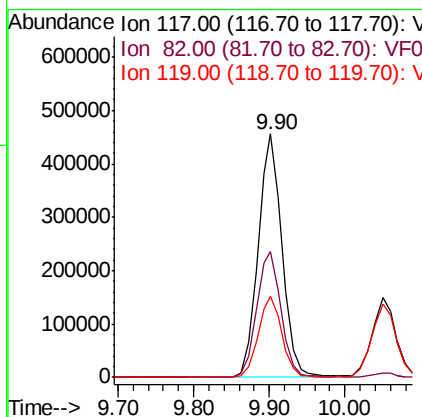
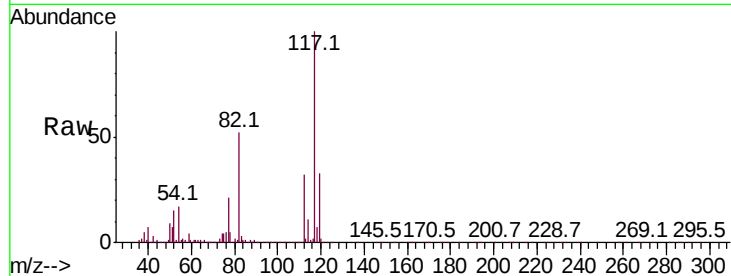
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	43.3	64.9
119	33.1	27.4	41.0

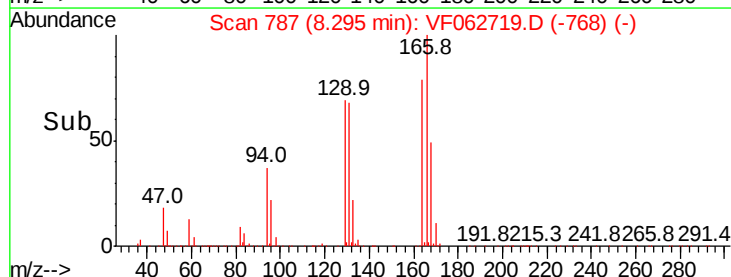
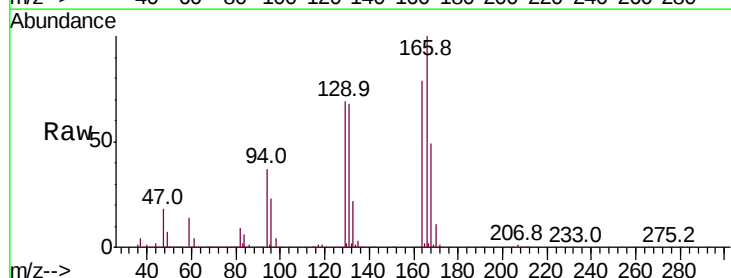
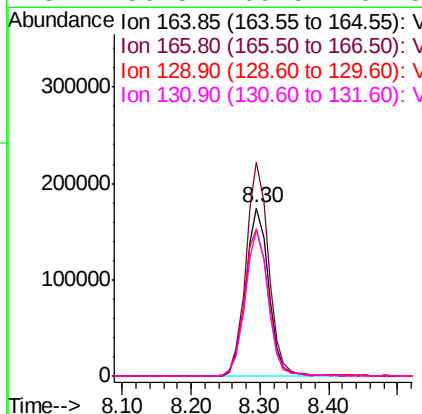
Manual Integrations
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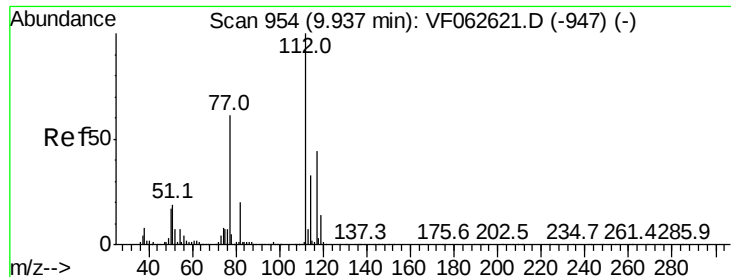
MMDadoda
5/24/2019 11:11:05 AM



#64
Tetrachloroethene
Concen: 50.920 ug/l
RT: 8.30 min Scan# 787
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	105.5	158.3
129	87.6	73.8	110.6
131	86.5	69.5	104.3





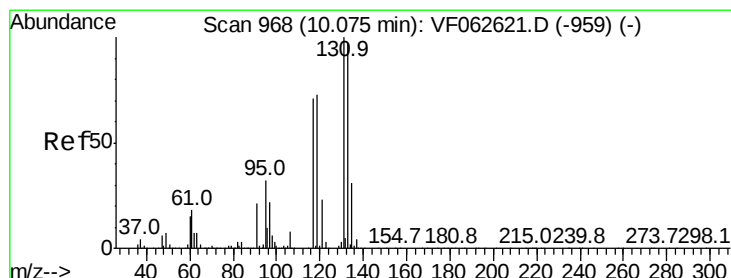
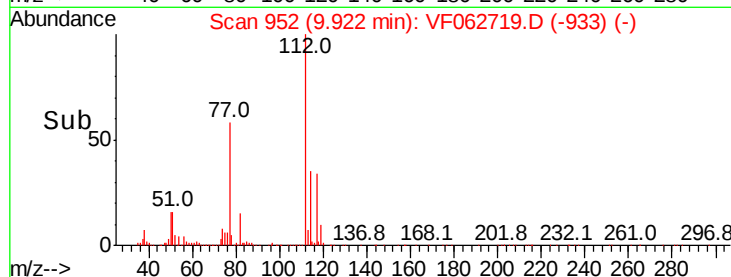
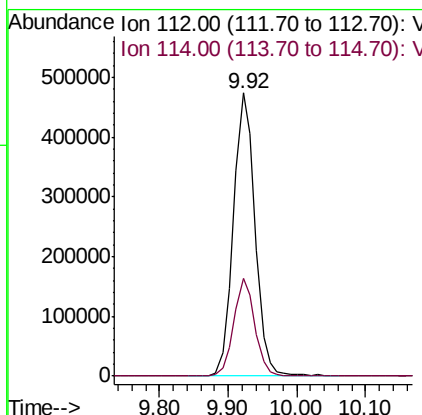
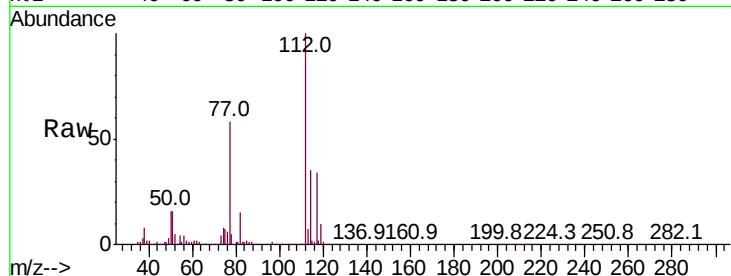
#65
Chlorobenzene
Concen: 52.313 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1030209
Ion Ratio Lower Upper
112 100
114 34.6 26.8 40.2

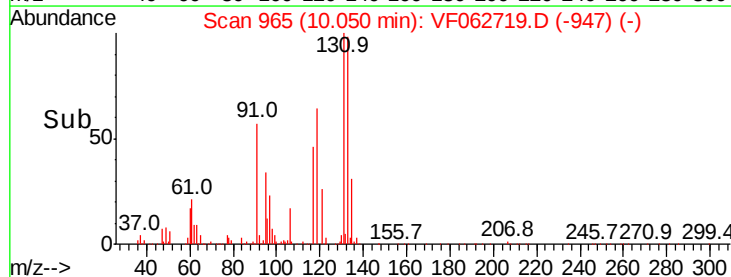
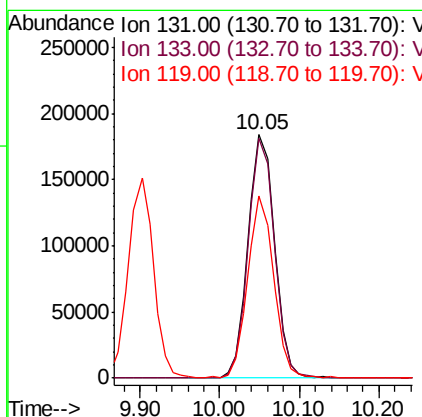
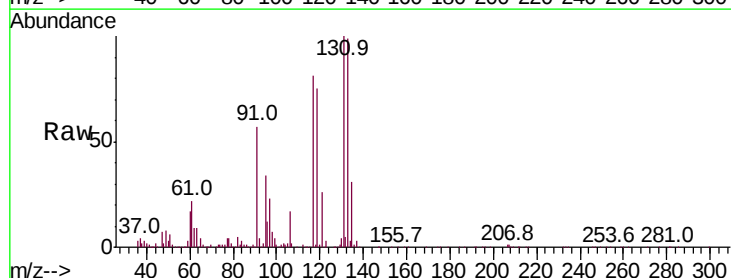
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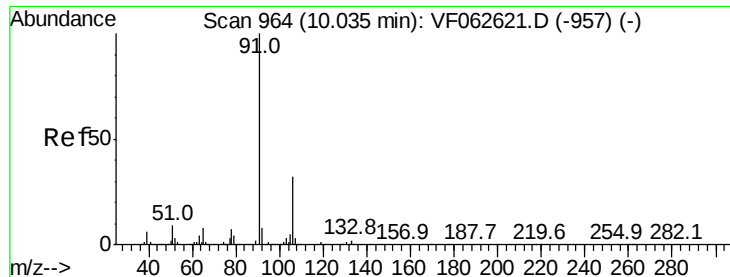
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.453 ug/l
RT: 10.05 min Scan# 965
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Tgt Ion:131 Resp: 422590
Ion Ratio Lower Upper
131 100
133 98.6 48.5 145.5
119 74.8 36.8 110.4





#67

Ethyl Benzene

Concen: 49.933 ug/l

RT: 10.02 min Scan# 962

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1708281

Ion Ratio Lower Upper

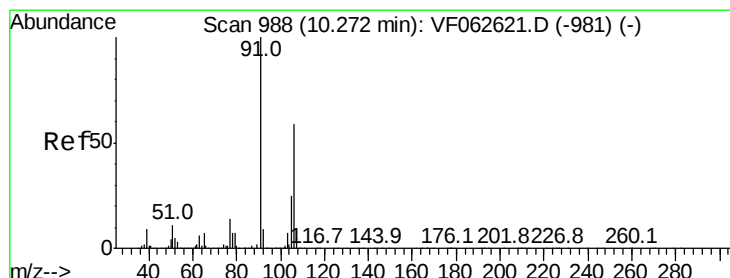
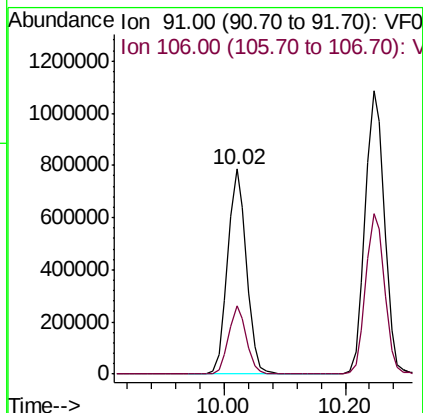
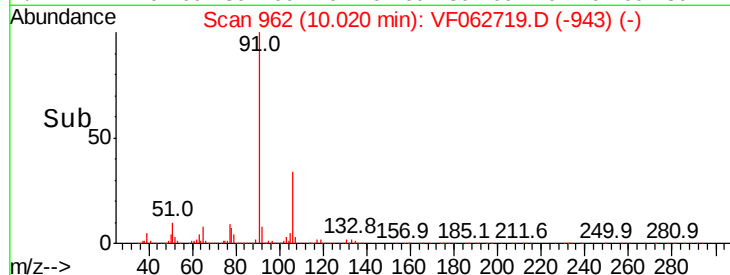
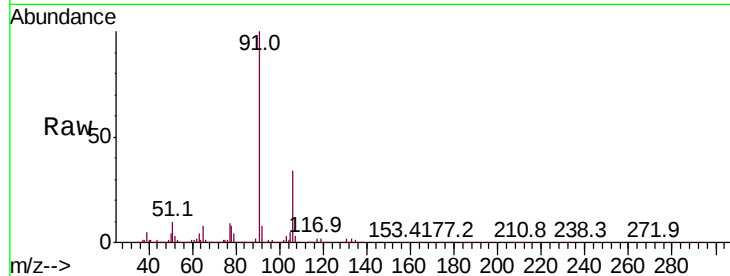
91 100

106 33.6 25.8 38.8

Manual Integrations
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#68

m/p-Xylenes

Concen: 103.585 ug/l

RT: 10.25 min Scan# 985

Delta R.T. -0.02 min

Lab File: VF062719.D

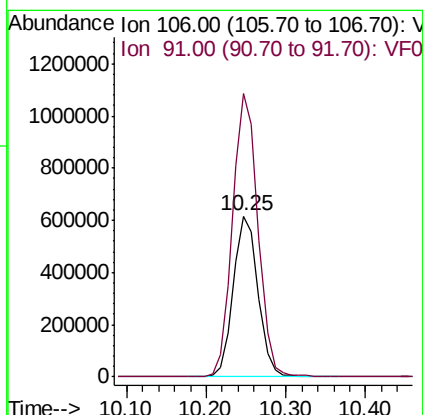
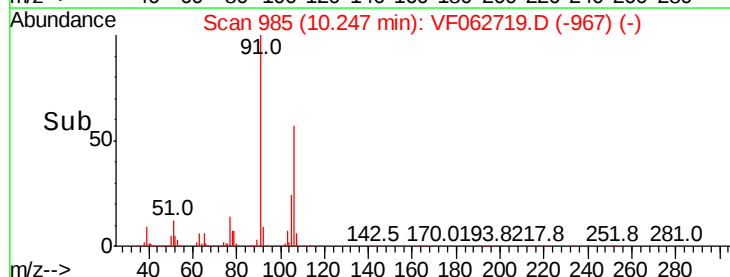
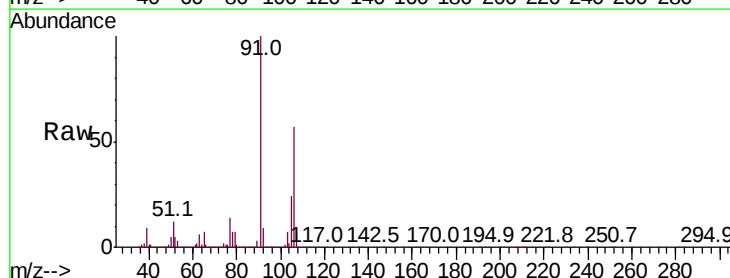
Acq: 23 May 2019 10:16

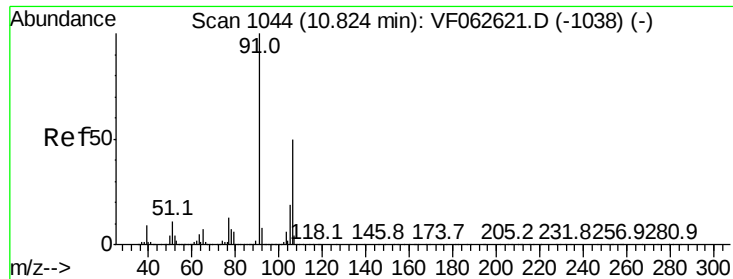
Tgt Ion: 106 Resp: 1331908

Ion Ratio Lower Upper

106 100

91 175.7 136.9 205.3





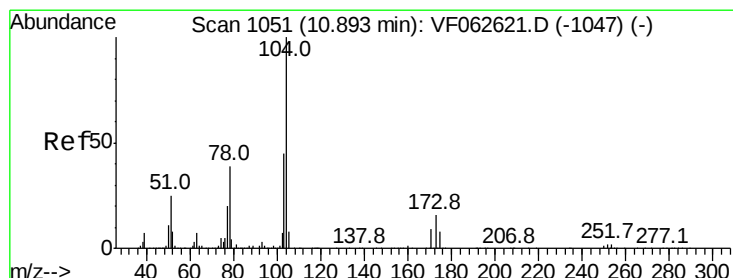
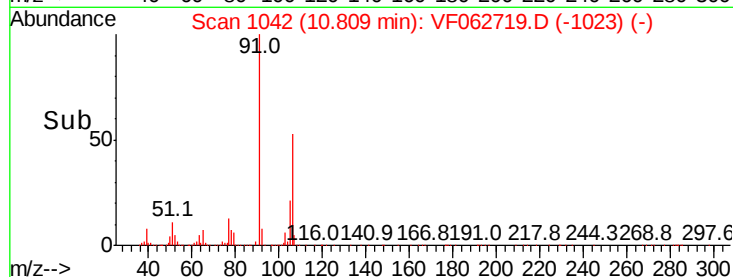
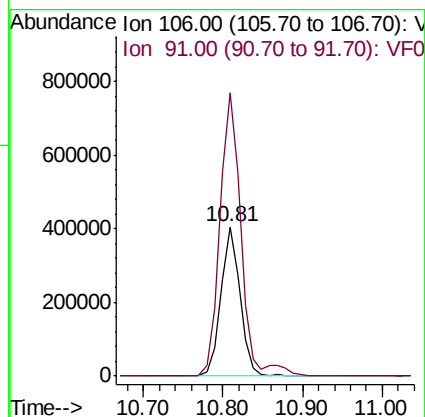
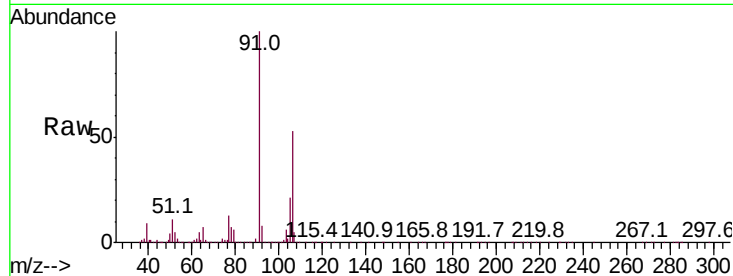
#69
o-Xylene
Concen: 52.415 ug/l
RT: 10.81 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	189.5	100.2	300.5

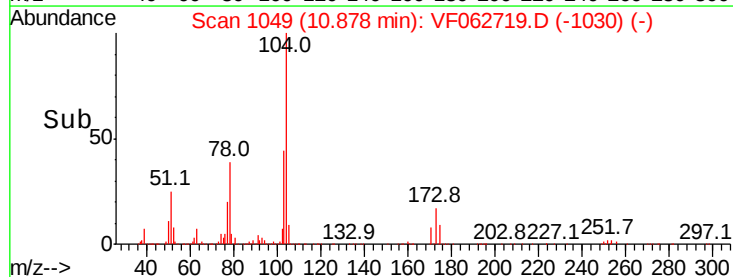
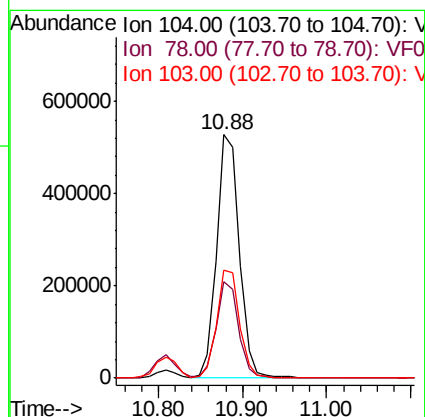
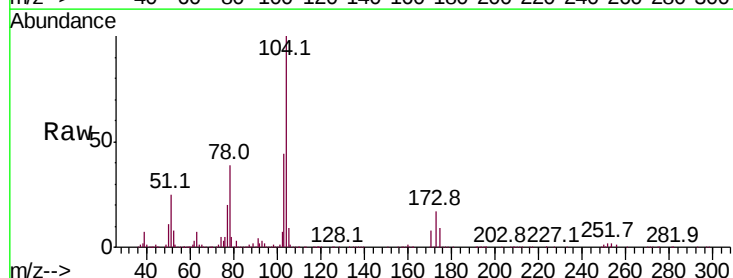
Manual Integrations
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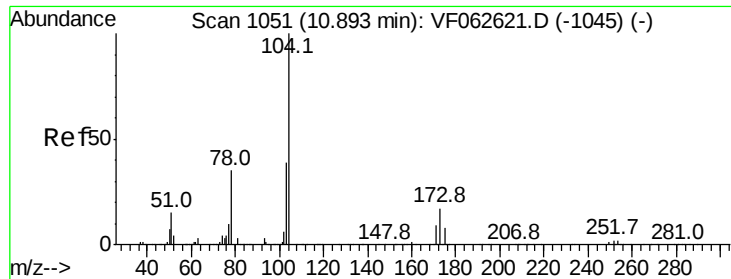
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#70
Styrene
Concen: 49.056 ug/l
RT: 10.88 min Scan# 1049
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
104	100		
78	39.4	31.9	47.9
103	44.1	36.1	54.1





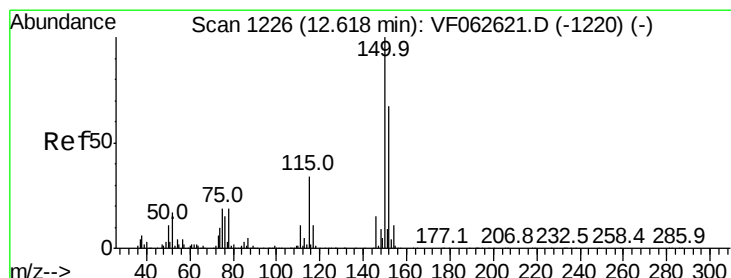
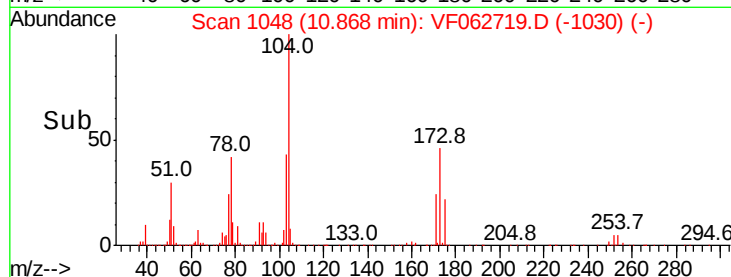
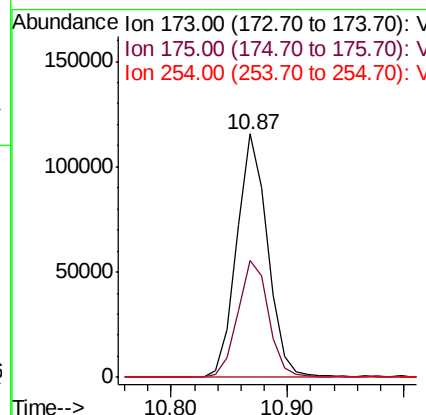
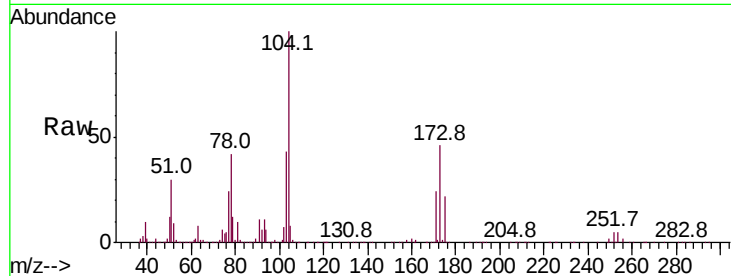
#71
Bromoform
Concen: 53.571 ug/l
RT: 10.87 min Scan# 1048
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	25.3	75.9
254	0.0	0.2	0.2

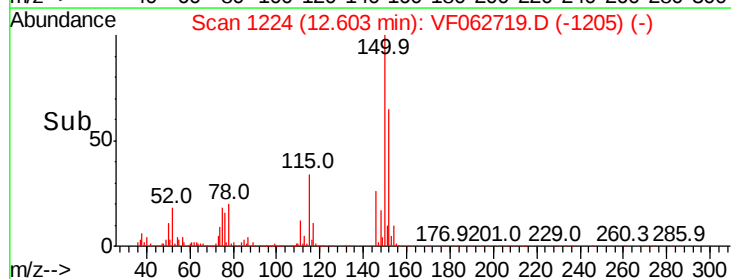
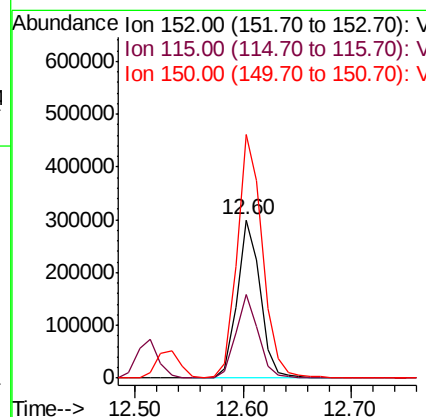
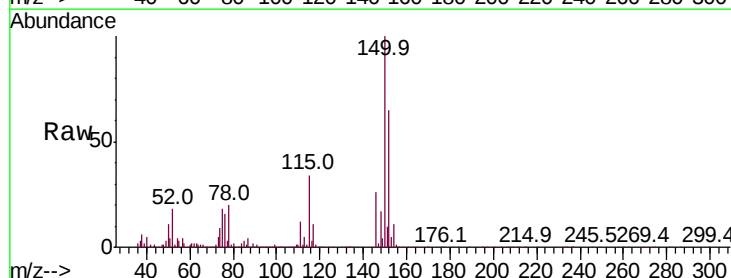
Manual Integrations
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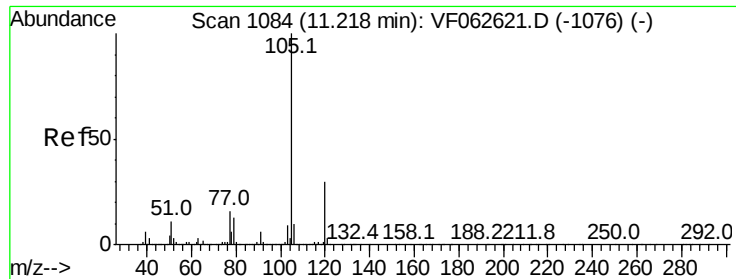
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.60 min Scan# 1224
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.0	25.2	75.6
150	154.0	0.0	306.2





#73

Isopropylbenzene

Concen: 54.207 ug/l

RT: 11.20 min Scan# 1082

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1728260

Ion Ratio Lower Upper

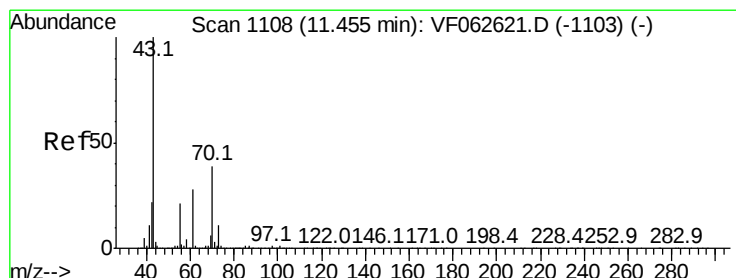
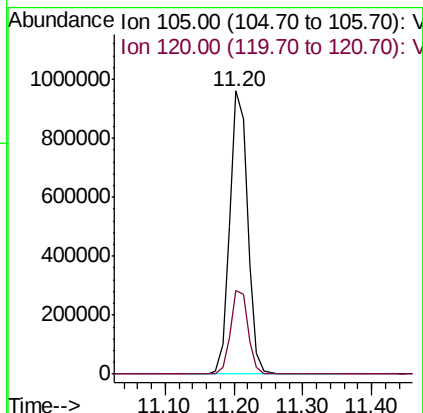
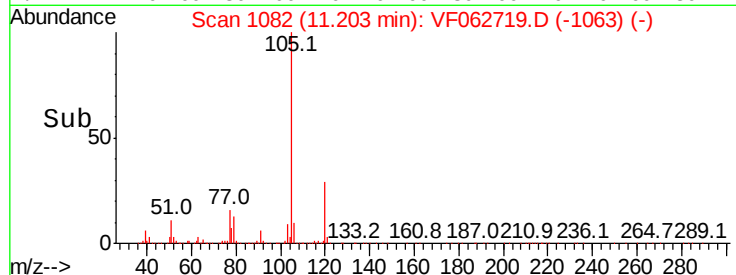
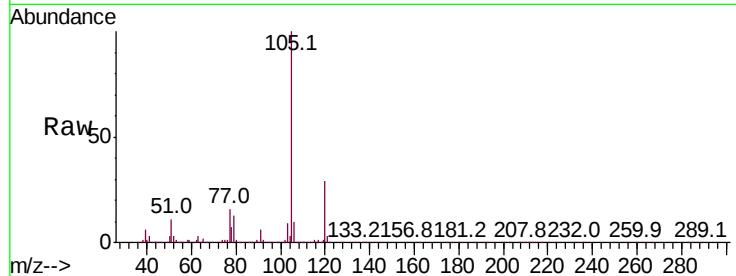
105 100

120 29.5 14.8 44.4

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#74

N-ethyl acetate

Concen: 51.069 ug/l

RT: 11.44 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Tgt Ion: 43 Resp: 413347

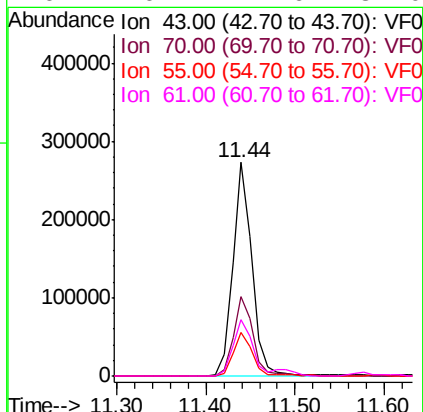
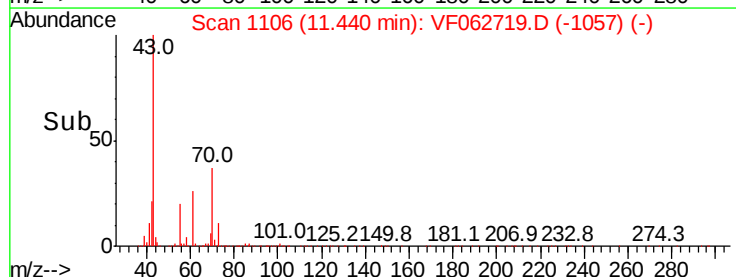
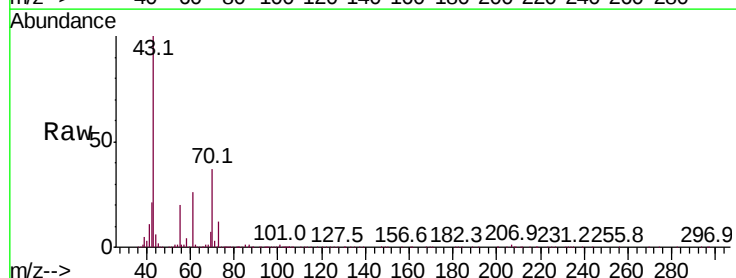
Ion Ratio Lower Upper

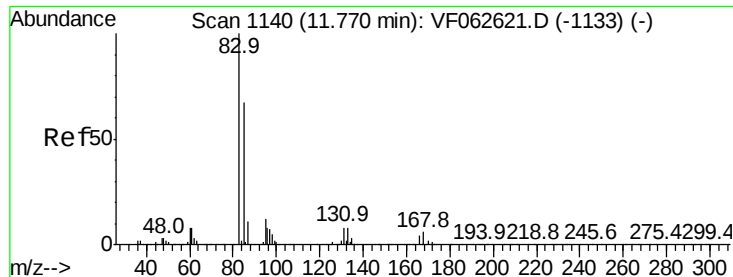
43 100

70 36.9 30.9 46.3

55 20.1 17.0 25.4

61 26.2 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.151 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

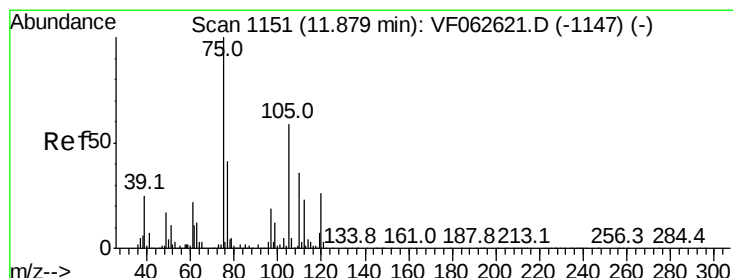
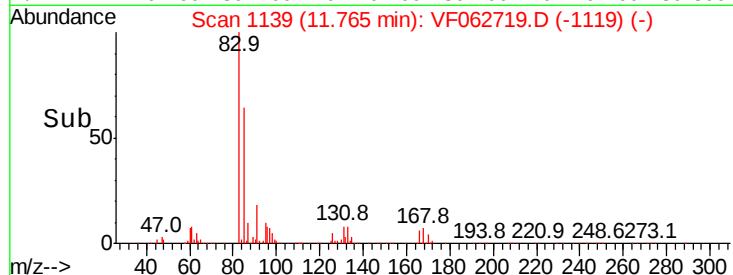
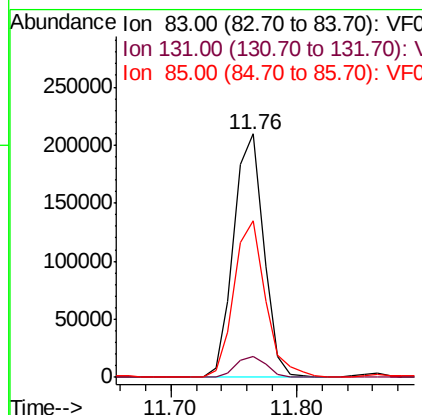
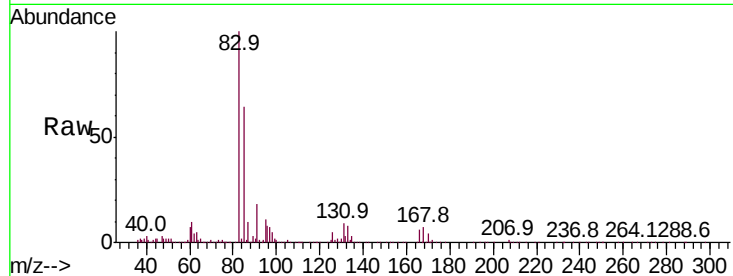
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	346318
Ion Ratio	Lower	Upper	
83	100		
131	8.6	4.0	12.0
85	64.3	33.5	100.5

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#76

1,2,3-Trichloropropane

Concen: 49.463 ug/l

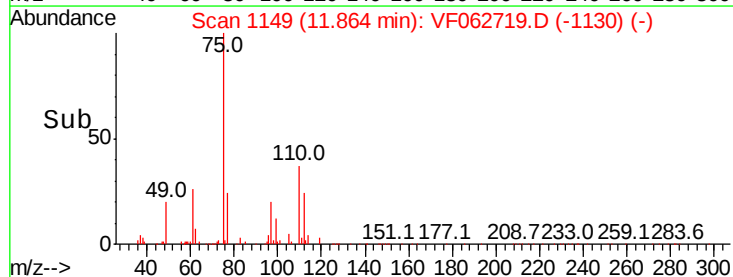
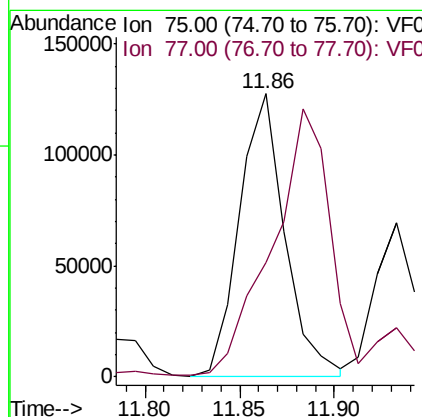
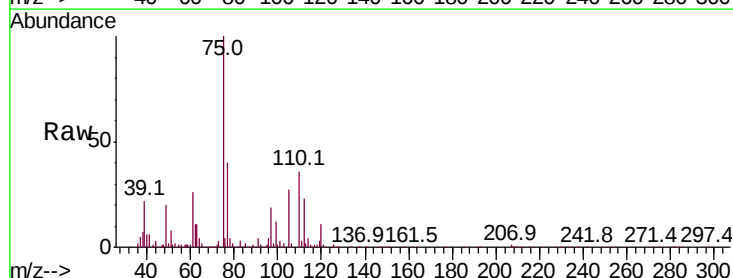
RT: 11.86 min Scan# 1149

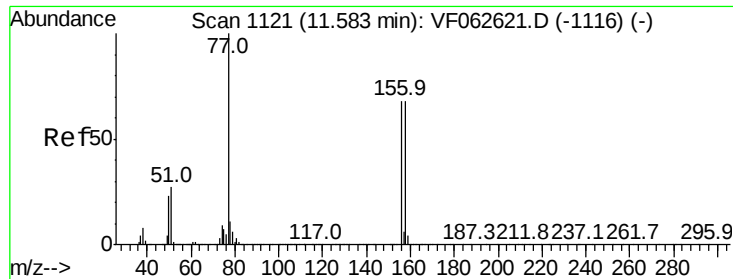
Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Tgt Ion:	75	Resp:	211763
Ion Ratio	Lower	Upper	
75	100		
77	40.4	20.6	61.8





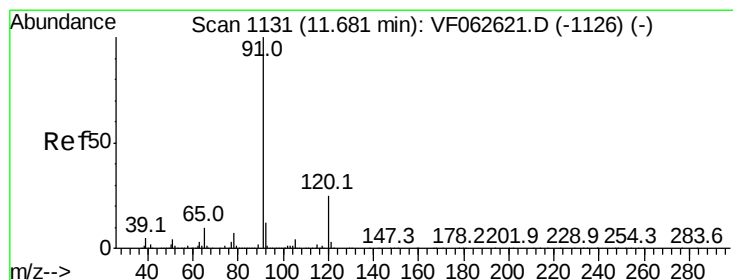
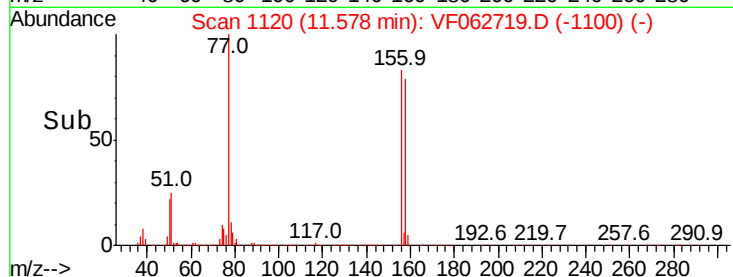
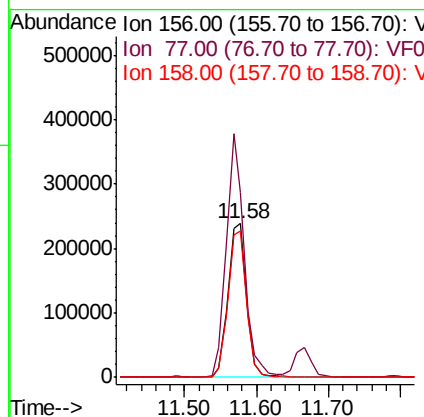
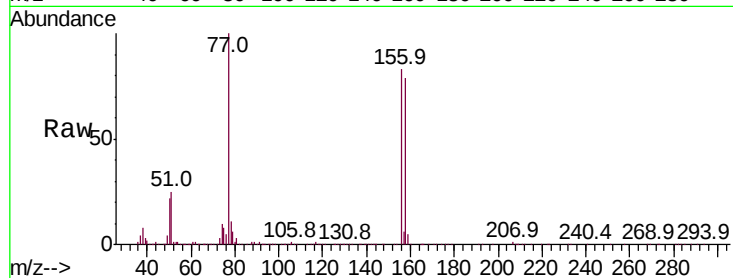
#77
Bromobenzene
Concen: 53.580 ug/l
RT: 11.58 min Scan# 1120
Delta R.T. -0.01 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	120.1	73.6	220.8
158	95.0	49.6	148.8

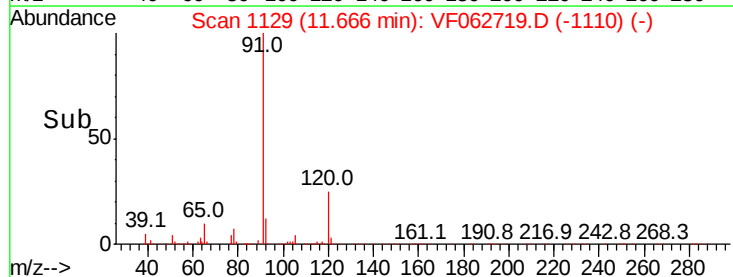
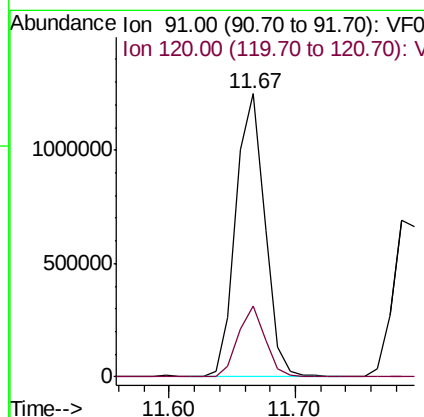
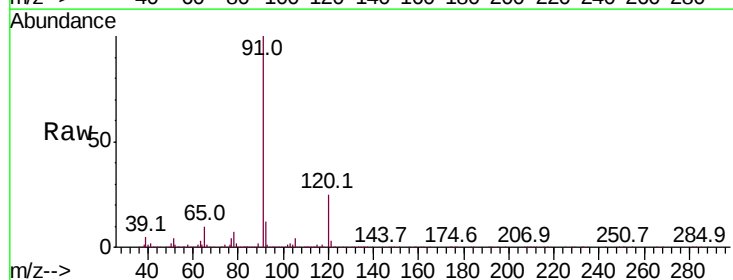
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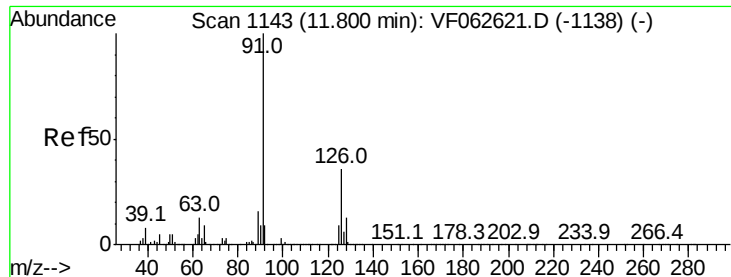
MMDadoda
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#78
n-propylbenzene
Concen: 52.277 ug/l
RT: 11.67 min Scan# 1129
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.1	12.7	38.1





#79

2-Chlorotoluene

Concen: 54.700 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1163164

Ion Ratio Lower Upper

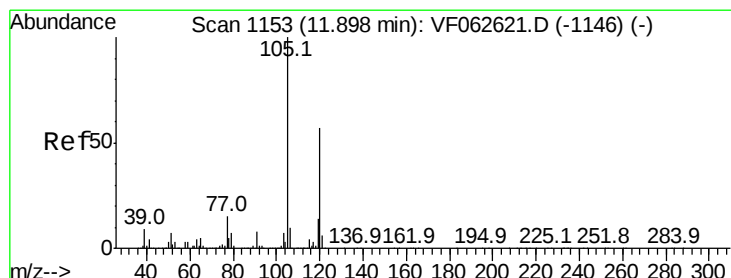
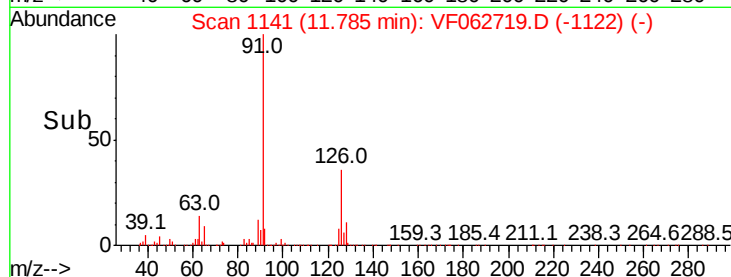
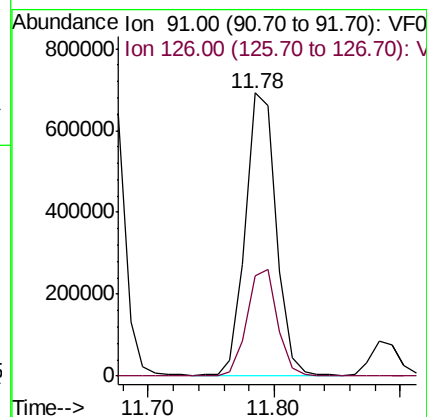
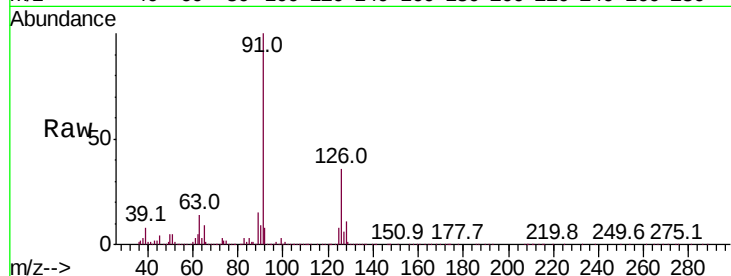
91 100

126 35.6 18.1 54.4

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#80

1,3,5-Trimethylbenzene

Concen: 53.427 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.02 min

Lab File: VF062719.D

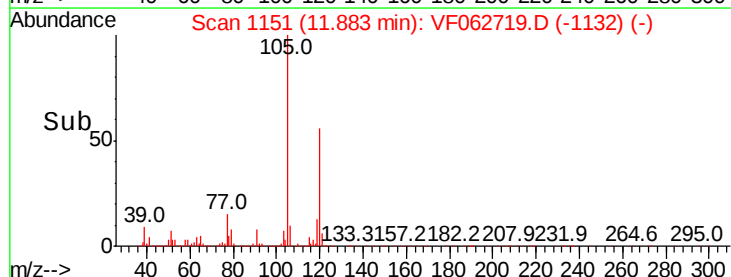
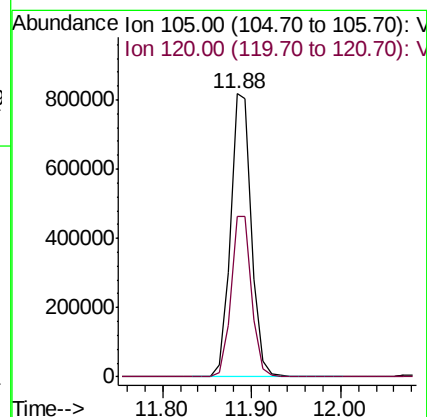
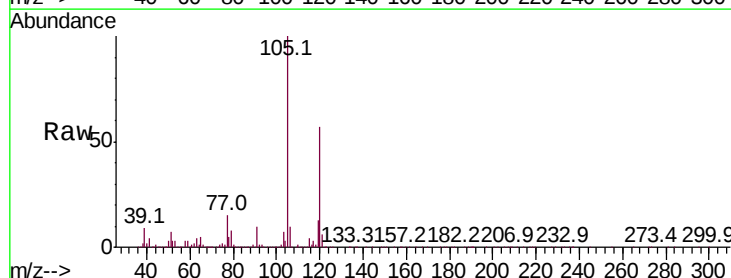
Acq: 23 May 2019 10:16

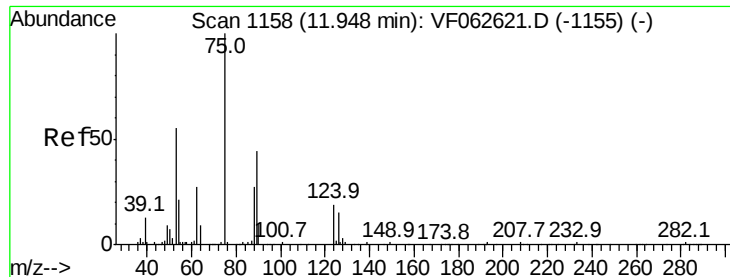
Tgt Ion: 105 Resp: 1365862

Ion Ratio Lower Upper

105 100

120 56.7 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 57.431 ug/l m

RT: 11.93 min Scan# 1156

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

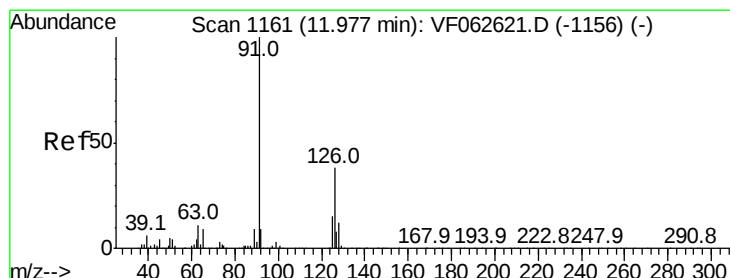
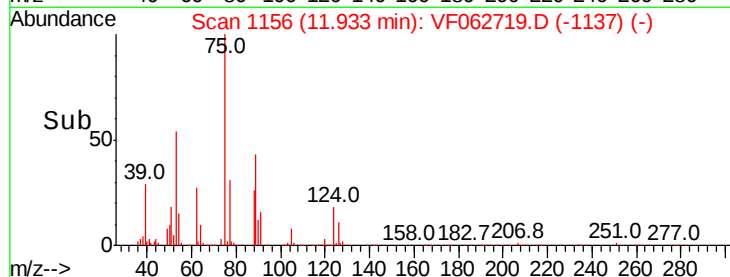
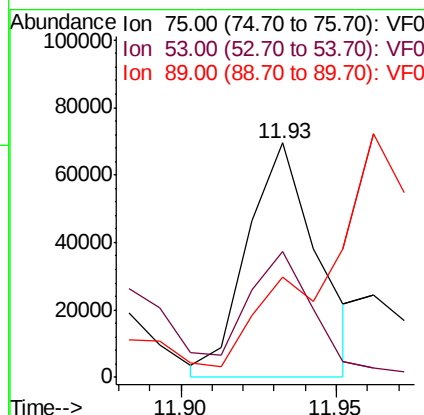
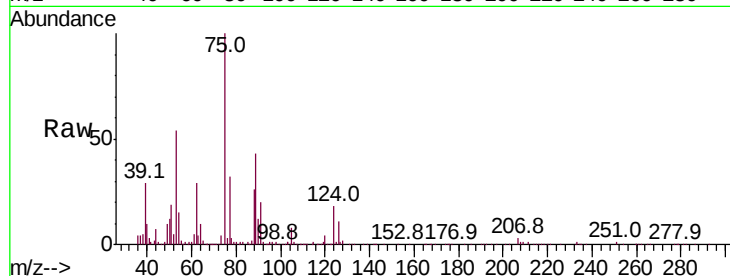
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	109293
Ion Ratio	Lower	Upper	
75	100		
53	53.8	46.9	70.3
89	43.0	36.4	54.6

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#82

4-Chlorotoluene

Concen: 53.924 ug/l

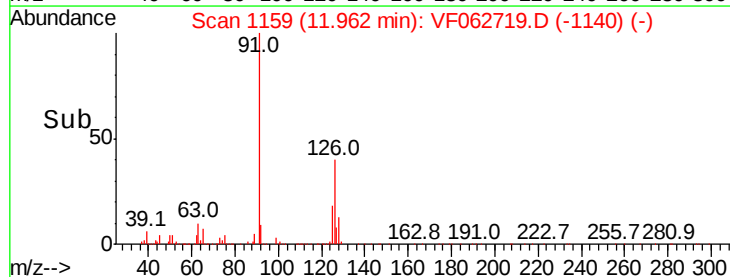
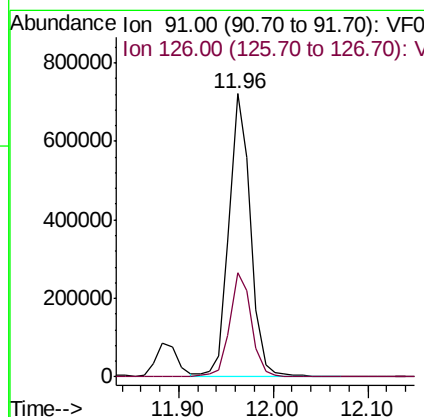
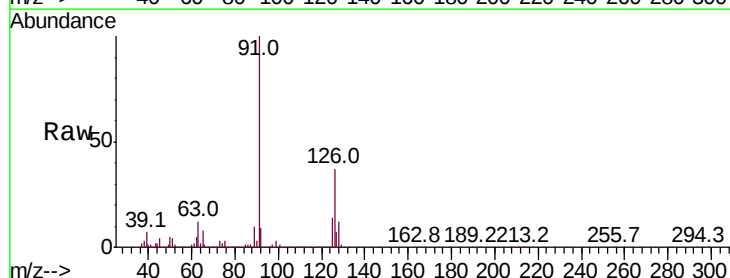
RT: 11.96 min Scan# 1159

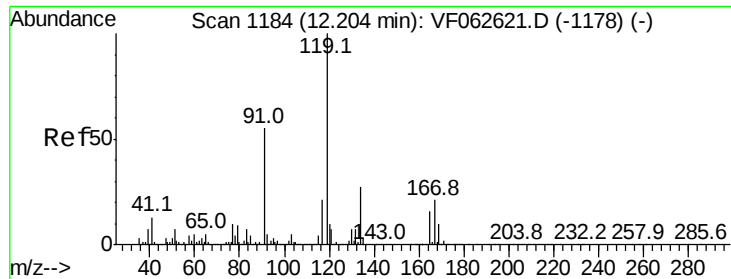
Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Tgt Ion:	91	Resp:	1130760
Ion Ratio	Lower	Upper	
91	100		
126	36.8	19.1	57.1





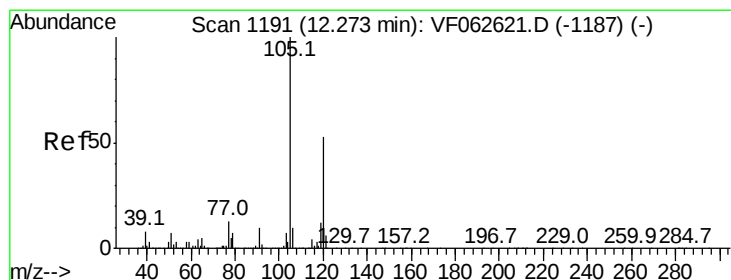
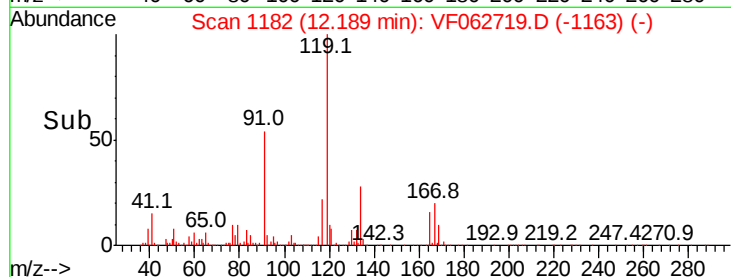
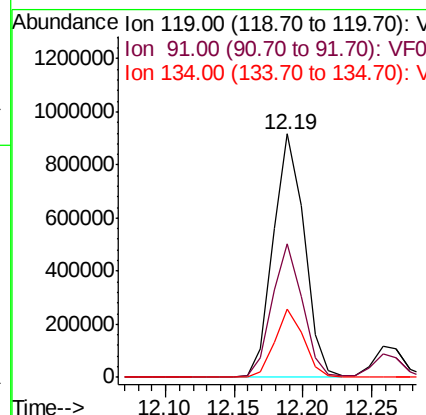
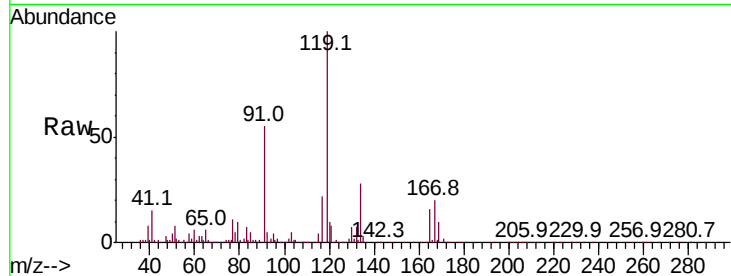
#83
tert-Butylbenzene
Concen: 55.406 ug/l
RT: 12.19 min Scan# 1182
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.8	27.3	81.9
134	28.0	13.6	40.7

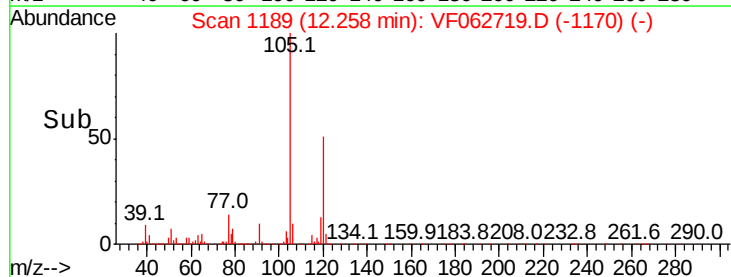
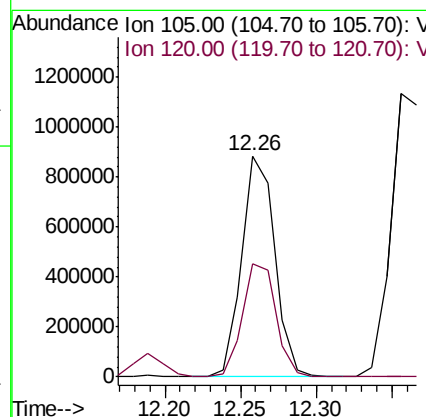
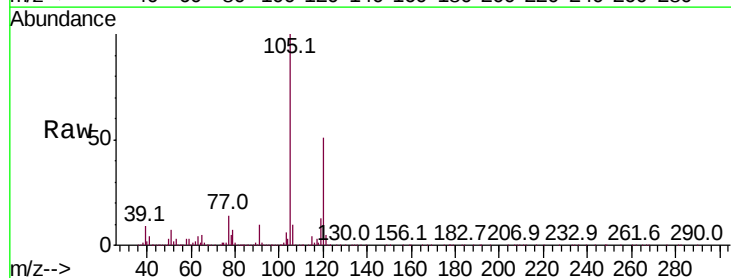
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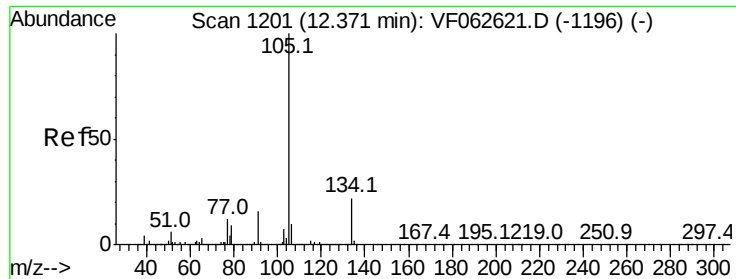
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#84
1,2,4-Trimethylbenzene
Concen: 54.402 ug/l
RT: 12.26 min Scan# 1189
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.2	26.7	80.1





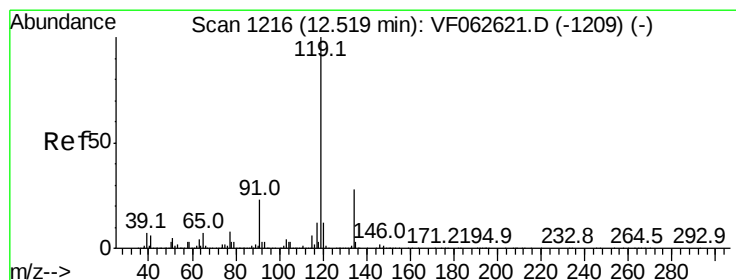
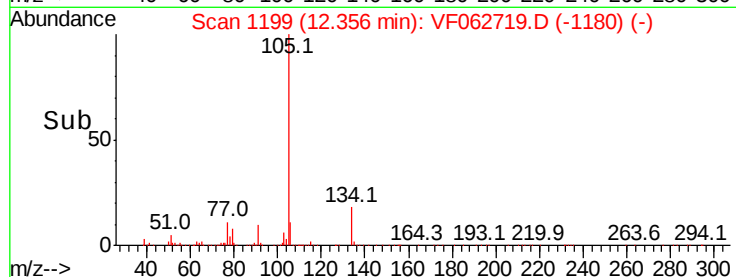
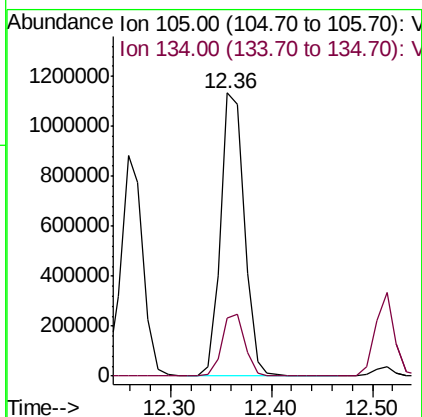
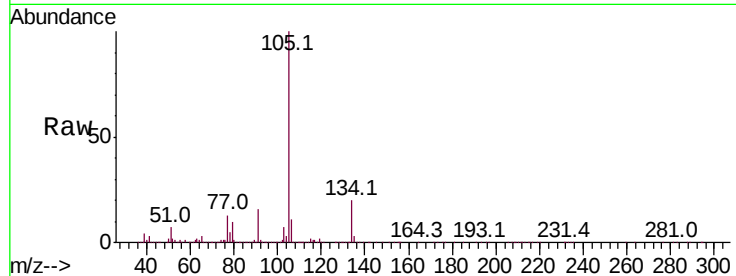
#85
 sec-Butylbenzene
 Concen: 53.567 ug/l
 RT: 12.36 min Scan# 1199
 Delta R.T. -0.02 min
 Lab File: VF062719.D
 Acq: 23 May 2019 10:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1864572
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.8 32.4

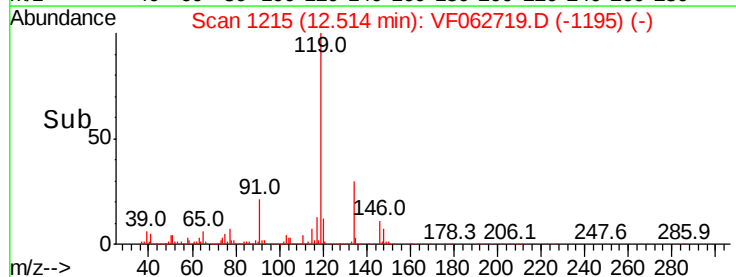
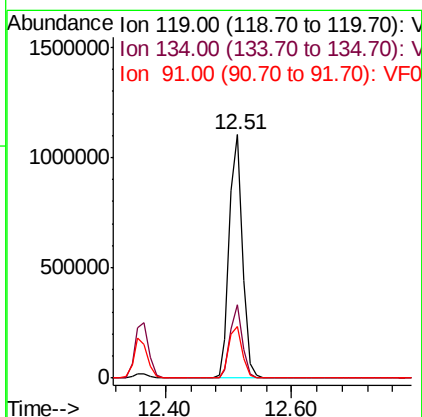
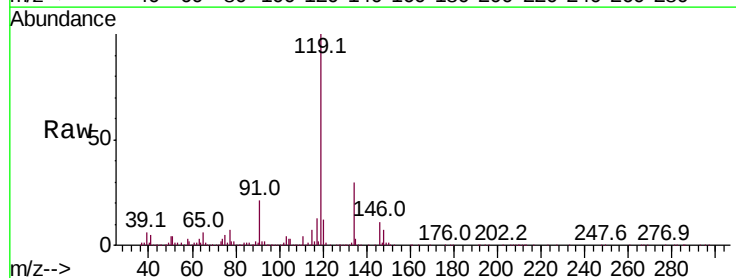
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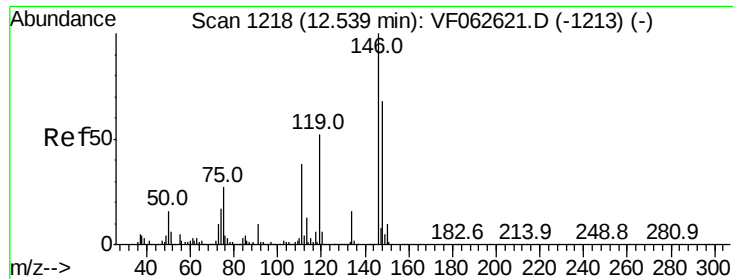
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#86
 p-Isopropyltoluene
 Concen: 53.944 ug/l
 RT: 12.51 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: VF062719.D
 Acq: 23 May 2019 10:16

Tgt Ion:119 Resp: 1582426
 Ion Ratio Lower Upper
 119 100
 134 30.3 14.1 42.3
 91 21.2 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 52.402 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

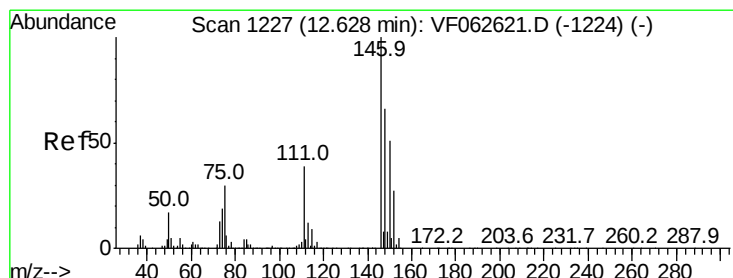
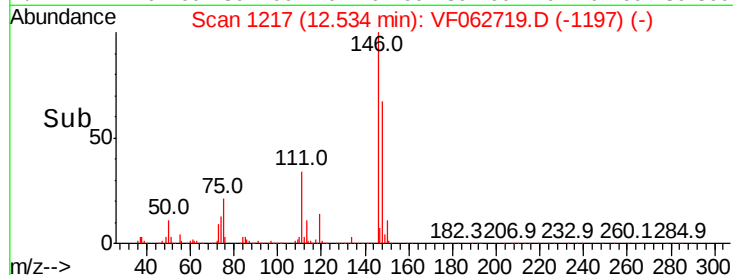
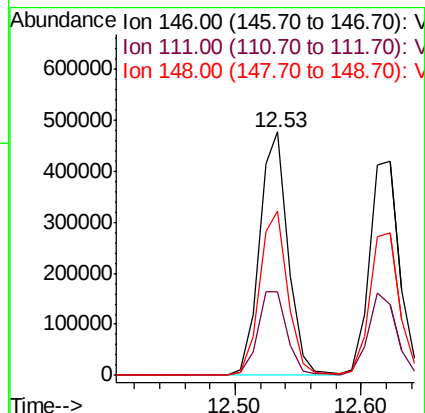
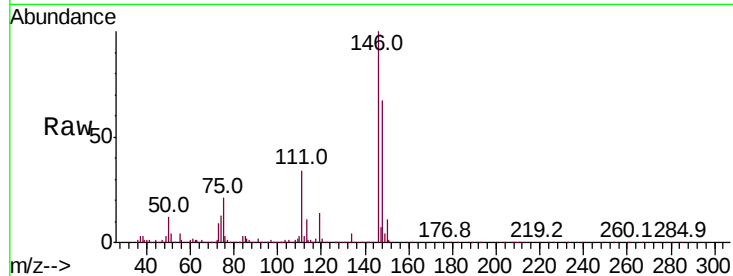
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	751346
Ion Ratio	Lower	Upper	
146	100		
111	34.2	18.9	56.9
148	67.5	34.0	101.8

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#88

1,4-Dichlorobenzene

Concen: 52.269 ug/l

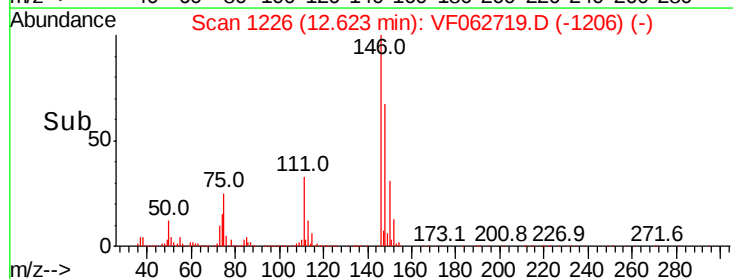
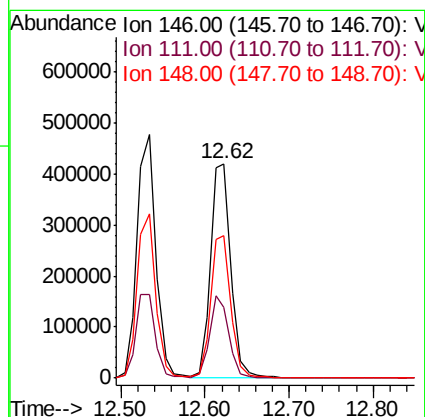
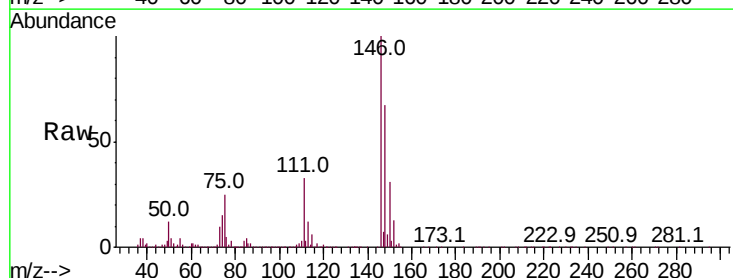
RT: 12.62 min Scan# 1226

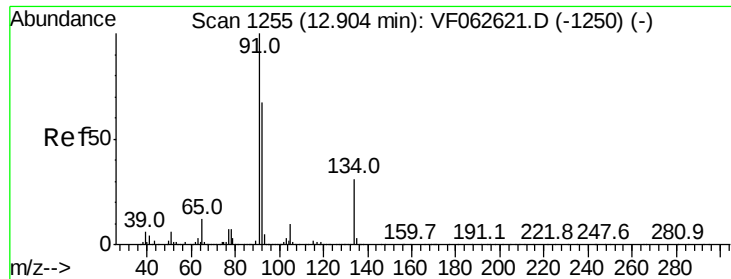
Delta R.T. -0.01 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Tgt Ion:	146	Resp:	703289
Ion Ratio	Lower	Upper	
146	100		
111	33.0	19.4	58.2
148	66.6	33.2	99.6





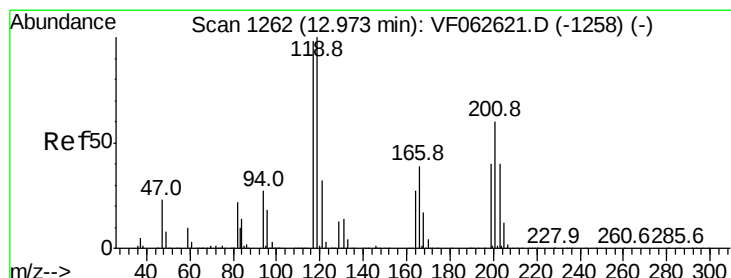
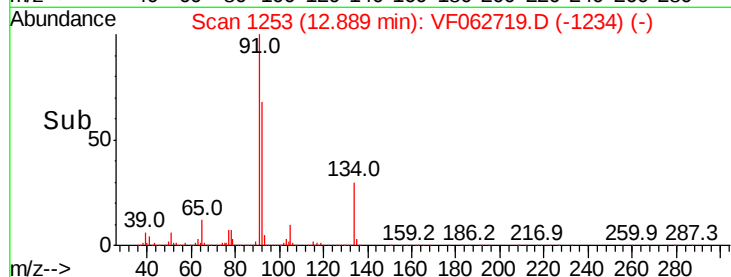
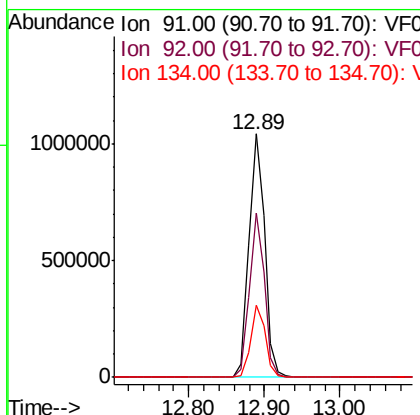
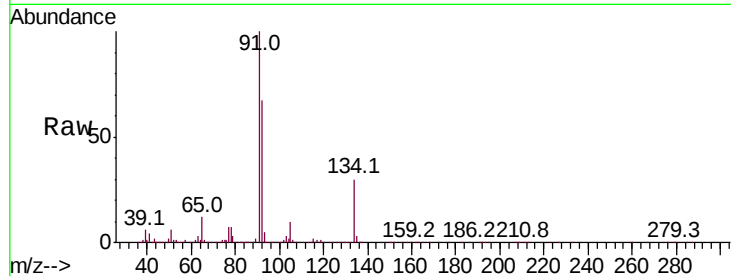
#89
n-Butylbenzene
Concen: 51.932 ug/l
RT: 12.89 min Scan# 1253
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	67.5	33.3	99.8
134	29.8	15.4	46.4

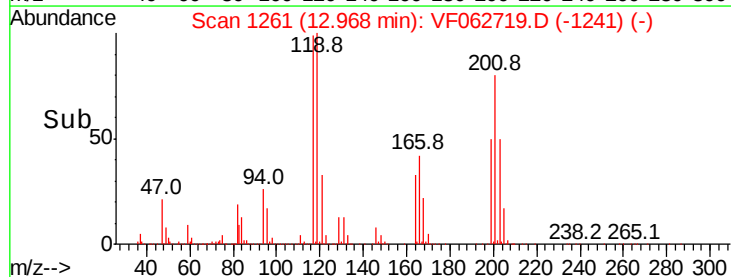
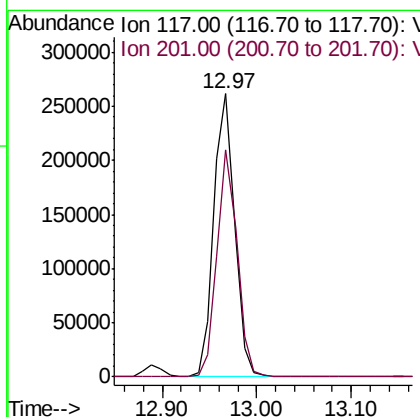
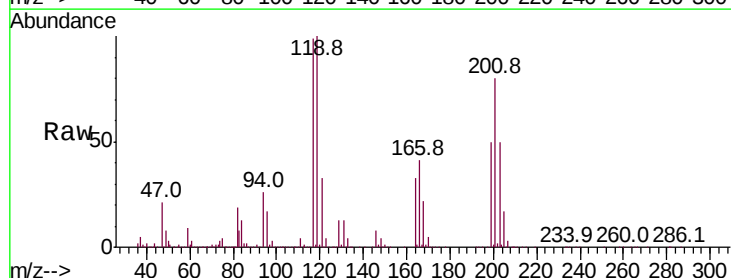
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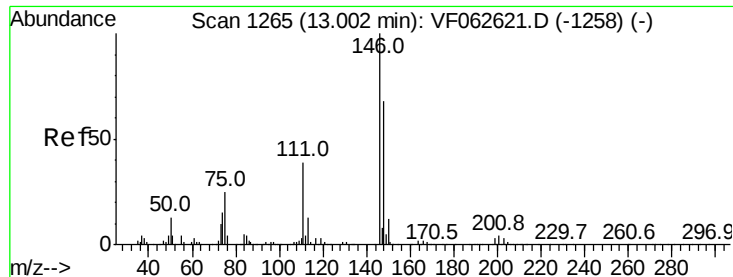
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#90
Hexachloroethane
Concen: 57.281 ug/l
RT: 12.97 min Scan# 1261
Delta R.T. -0.01 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.2	30.7	92.1





#91

1,2-Dichlorobenzene

Concen: 53.720 ug/l

RT: 12.99 min Scan# 1263

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

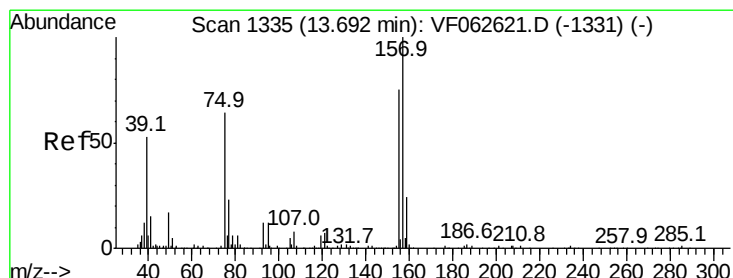
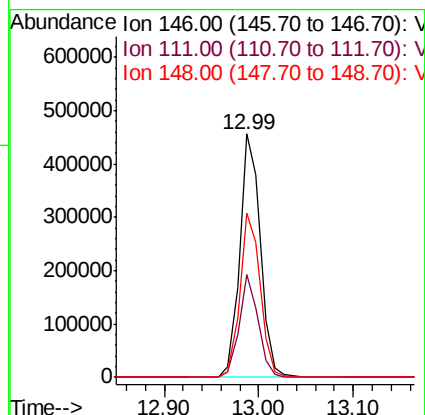
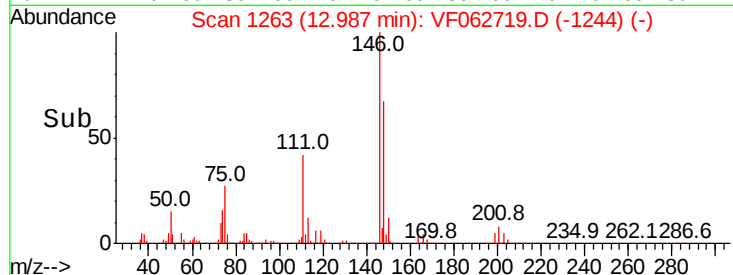
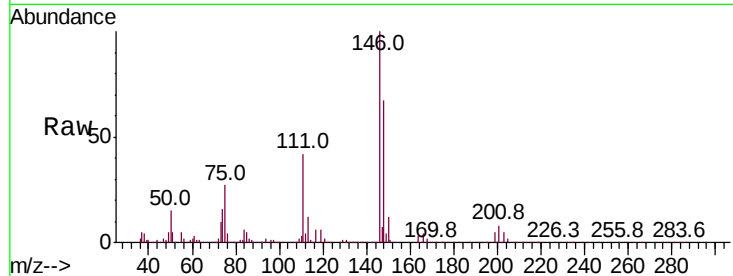
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	686594
Ion Ratio	Lower	Upper	
146	100		
111	42.3	19.8	59.3
148	67.2	34.1	102.2

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#92

1,2-Dibromo-3-Chloropropane

Concen: 56.604 ug/l

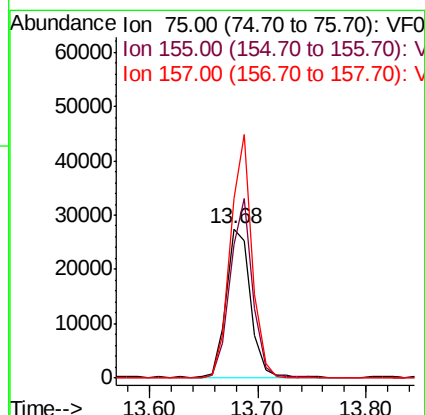
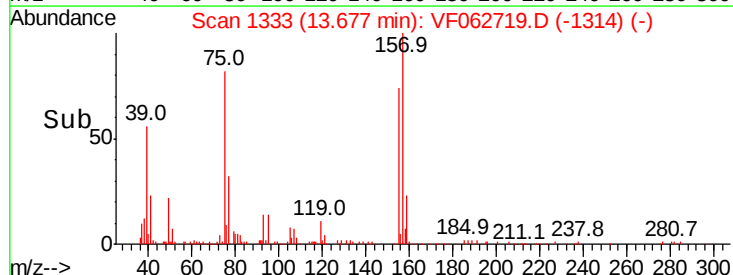
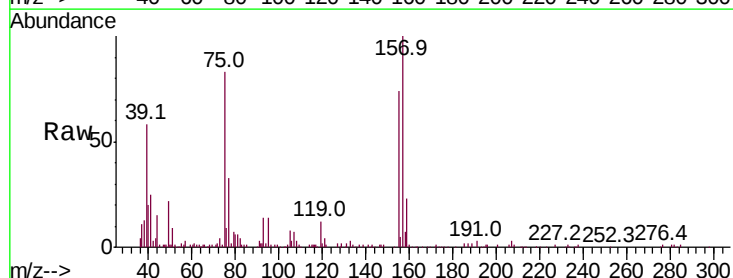
RT: 13.68 min Scan# 1333

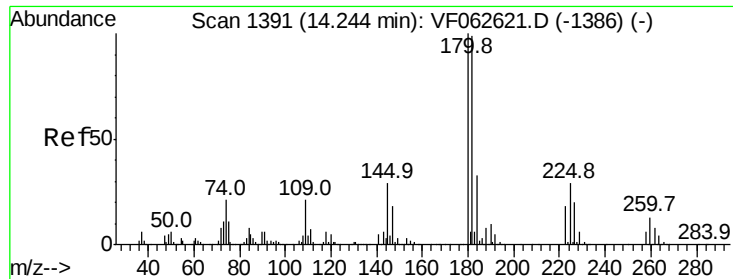
Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Tgt Ion:	75	Resp:	43998
Ion Ratio	Lower	Upper	
75	100		
155	89.7	58.1	174.3
157	120.5	77.8	233.4





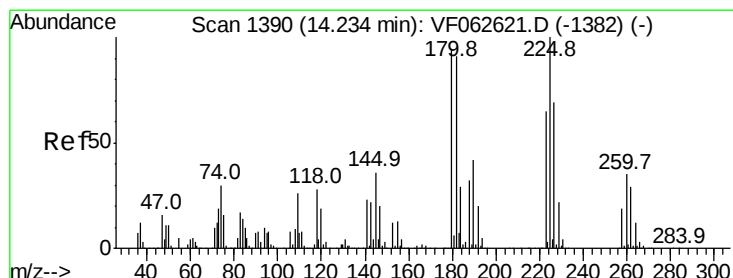
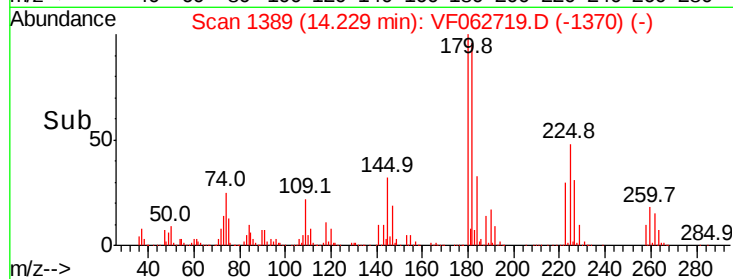
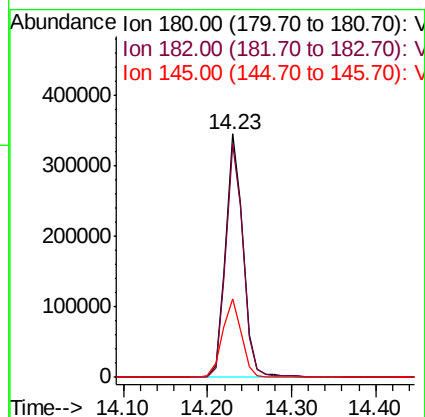
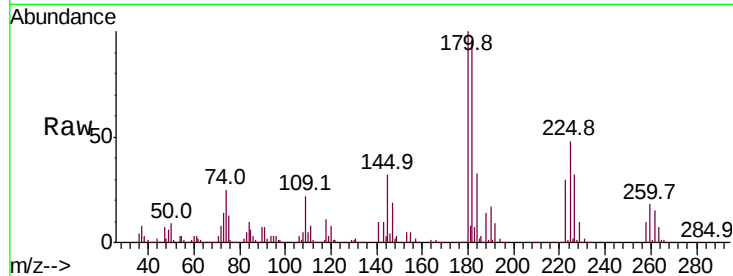
#93
1,2,4-Trichlorobenzene
Concen: 54.745 ug/l
RT: 14.23 min Scan# 1389
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.0	49.7	149.1	
145	32.3	14.6	44.0	

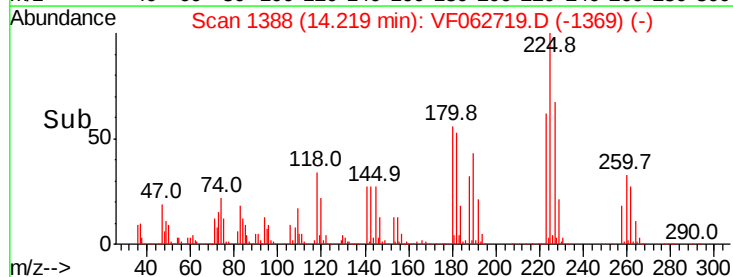
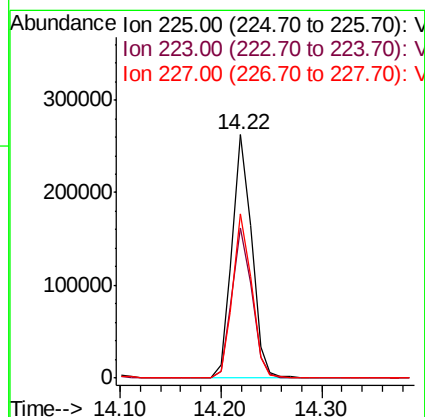
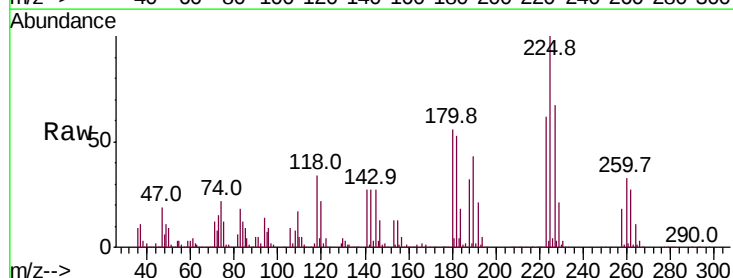
Manual Integrations
APPROVED

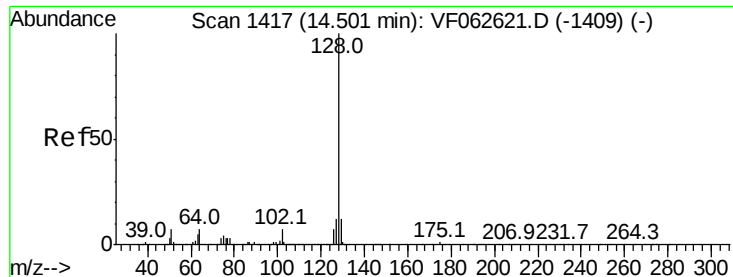
MMDadoda
5/24/2019 11:11:05 AM



#94
Hexachlorobutadiene
Concen: 56.148 ug/l
RT: 14.22 min Scan# 1388
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.5	32.5	97.4	
227	67.4	34.5	103.5	





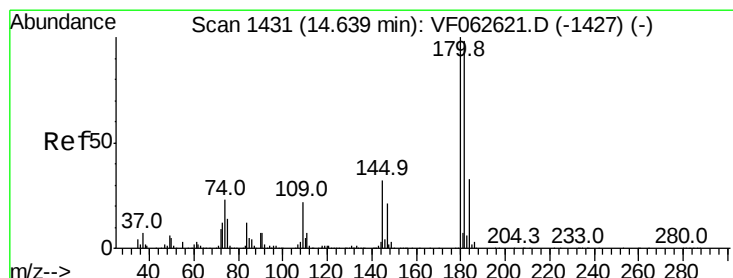
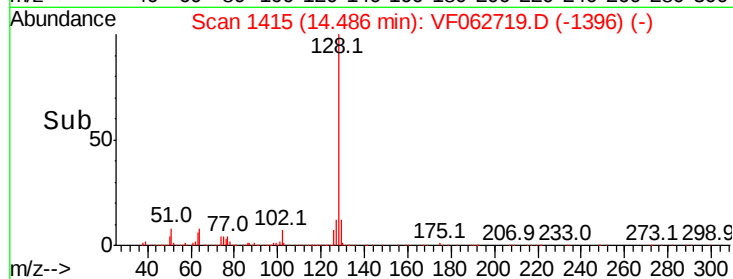
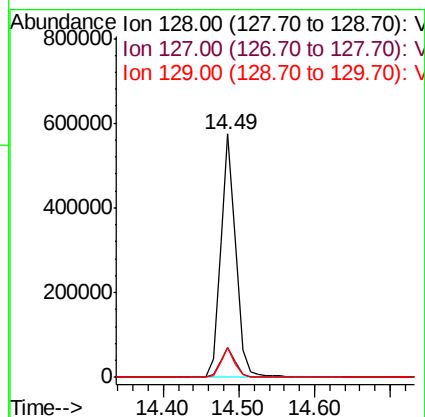
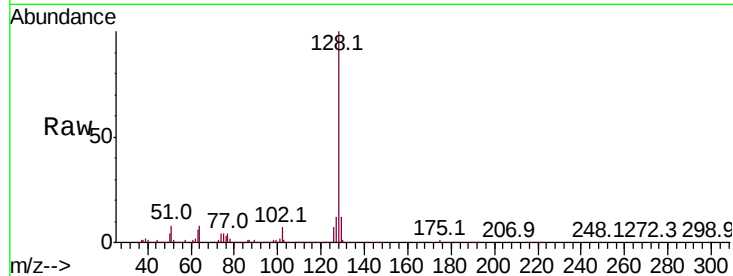
#95
Naphthalene
Concen: 48.849 ug/l
RT: 14.49 min Scan# 1415
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:	128	Resp:	811872
Ion Ratio	Lower	Upper	
128	100		
127	12.1	9.7	14.5
129	12.1	9.3	13.9

Manual Integrations
APPROVED

MMDadoda
5/24/2019 11:11:05 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.198 ug/l
RT: 14.63 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Tgt Ion:	180	Resp:	469658
Ion Ratio	Lower	Upper	
180	100		
182	98.2	48.9	146.7
145	29.1	16.1	48.2

