

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052919\
 Data File : VF062781.D
 Acq On : 29 May 2019 14:41
 Operator : FY/SY
 Sample : VF0529SBS03
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS03

Manual Integrations
 APPROVED

mmdadoda
 5/30/2019 11:02:43 AM

Quant Time: May 30 09:02:35 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	5.10	168	681716	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.81	114	1106930	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.94	117	891263	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	427274	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.07	65	230309	47.81	ug/l	0.03
Spiked Amount	50.000		Recovery	=	95.62%	
35) Dibromofluoromethane	4.35	113	438782	51.80	ug/l	0.03
Spiked Amount	50.000		Recovery	=	103.60%	
50) Toluene-d8	7.75	98	997515	49.32	ug/l	0.03
Spiked Amount	50.000		Recovery	=	98.64%	
62) 4-Bromofluorobenzene	11.51	95	384337	50.11	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.02	85	168600	18.174	ug/l	94
3) Chloromethane	1.14	50	151181	17.698	ug/l	90
4) Vinyl Chloride	1.19	62	148540	18.891	ug/l	95
5) Bromomethane	1.39	94	87277	20.289	ug/l	99
6) Chloroethane	1.46	64	54146	18.750	ug/l #	88
7) Trichlorofluoromethane	1.56	101	233892	22.153	ug/l	99
8) Diethyl Ether	1.73	74	43356	20.729	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.93	101	146470	21.787	ug/l	95
10) Methyl Iodide	2.00	142	290321m	21.984	ug/l	
11) Tert butyl alcohol	2.71	59	39119	122.998	ug/l	96
12) 1,1-Dichloroethene	1.89	96	127145	20.762	ug/l	97
13) Acrolein	2.11	56	25487	76.770	ug/l #	72
14) Allyl chloride	2.22	41	116279	20.979	ug/l	93
15) Acrylonitrile	3.12	53	183107	204.099	ug/l	91
16) Acetone	2.37	43	110638	88.526	ug/l #	87
17) Carbon Disulfide	1.91	76	389783	21.474	ug/l #	92
18) Methyl Acetate	2.48	43	48833	24.865	ug/l	94
19) Methyl tert-butyl Ether	2.57	73	247359	22.595	ug/l	98
20) Methylene Chloride	2.31	84	141705m	22.621	ug/l	
21) trans-1,2-Dichloroethene	2.45	96	136345	22.778	ug/l	89
22) Diisopropyl ether	2.97	45	287620	21.040	ug/l	97
23) Vinyl Acetate	3.38	43	975150	105.747	ug/l	99
24) 1,1-Dichloroethane	3.04	63	245639	24.494	ug/l	96
25) 2-Butanone	4.56	43	280619	105.095	ug/l	96
26) 2,2-Dichloropropane	3.82	77	137861	24.026	ug/l	97
27) cis-1,2-Dichloroethene	3.68	96	211677	21.499	ug/l	93
28) Bromochloromethane	3.94	49	126328	22.461	ug/l	92
29) Tetrahydrofuran	4.30	42	118316	109.500	ug/l	93
30) Chloroform	4.09	83	314439	22.583	ug/l	95
31) Cyclohexane	3.90	56	283514	21.055	ug/l	93
32) 1,1,1-Trichloroethane	4.33	97	195860	21.181	ug/l	90
36) 1,1-Dichloropropene	4.51	75	234680	20.690	ug/l	96
37) Ethyl Acetate	4.34	43	107320	23.173	ug/l	88
38) Carbon Tetrachloride	4.22	117	170947	20.039	ug/l	96

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 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)
39) Methylcyclohexane	5.67	83	293554	21.509	ug/l	96
40) Benzene	4.86	78	738520	23.900	ug/l	98
41) Methacrylonitrile	4.97	41	52000	21.417	ug/l #	89
42) 1,2-Dichloroethane	5.17	62	123609	20.060	ug/l	90
43) Isopropyl Acetate	7.15	43	121102	20.184	ug/l #	94
44) Trichloroethene	5.73	130	191233	22.020	ug/l	88
45) 1,2-Dichloropropane	6.45	63	182646	23.415	ug/l	98
46) Dibromomethane	6.30	93	101071	22.420	ug/l	90
47) Bromodichloromethane	6.59	83	210549	22.498	ug/l	99
48) Methyl methacrylate	6.91	41	60129	19.174	ug/l	95
49) 1,4-Dioxane	6.91	88	14610	363.738	ug/l #	80
51) 4-Methyl-2-Pentanone	8.44	43	472147	115.125	ug/l	97
52) Toluene	7.82	92	372998	23.017	ug/l	91
53) t-1,3-Dichloropropene	8.46	75	171954	22.458	ug/l	92
54) cis-1,3-Dichloropropene	7.49	75	243526	22.722	ug/l	98
55) 1,1,2-Trichloroethane	8.67	97	112822	23.513	ug/l #	87
56) Ethyl methacrylate	8.78	69	116976	20.463	ug/l	95
57) 1,3-Dichloropropane	9.03	76	189894	23.235	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.48	63	202441	108.797	ug/l	98
59) 2-Hexanone	9.65	43	336128	116.450	ug/l	97
60) Dibromochloromethane	8.89	129	142701	22.819	ug/l	99
61) 1,2-Dibromoethane	9.17	107	118395	23.231	ug/l	99
64) Tetrachloroethene	8.34	164	146219	20.708	ug/l	96
65) Chlorobenzene	9.97	112	396150	22.630	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.09	131	158113	22.499	ug/l	93
67) Ethyl Benzene	10.07	91	679012	22.328	ug/l	94
68) m/p-Xylenes	10.29	106	520810	45.567	ug/l	84
69) o-Xylene	10.84	106	257180	21.846	ug/l	98
70) Styrene	10.91	104	363493	20.314	ug/l	98
71) Bromoform	10.90	173	78167	22.209	ug/l #	99
73) Isopropylbenzene	11.24	105	684583	22.355	ug/l	95
74) N-amyl acetate	11.46	43	208353	23.926	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.79	83	156718	25.042	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	100242	24.377	ug/l	92
77) Bromobenzene	11.60	156	167854	22.051	ug/l	99
78) n-propylbenzene	11.69	91	892796	24.634	ug/l	90
79) 2-Chlorotoluene	11.82	91	476427	23.326	ug/l	98
80) 1,3,5-Trimethylbenzene	11.92	105	604497	24.618	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.96	75	42184m	23.078	ug/l	
82) 4-Chlorotoluene	12.00	91	468864	23.279	ug/l	98
83) tert-Butylbenzene	12.21	119	558617	22.423	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	531423	22.360	ug/l	97
85) sec-Butylbenzene	12.39	105	764835	22.877	ug/l	94
86) p-Isopropyltoluene	12.54	119	635326	22.549	ug/l	96
87) 1,3-Dichlorobenzene	12.56	146	305183	22.160	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	287501	22.246	ug/l	98
89) n-Butylbenzene	12.91	91	639058	23.004	ug/l	90
90) Hexachloroethane	12.99	117	153626	22.729	ug/l	90
91) 1,2-Dichlorobenzene	13.01	146	268827	21.898	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	17110	22.917	ug/l	86

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Instrument :
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ClientSampleId :
VF0529SBS03

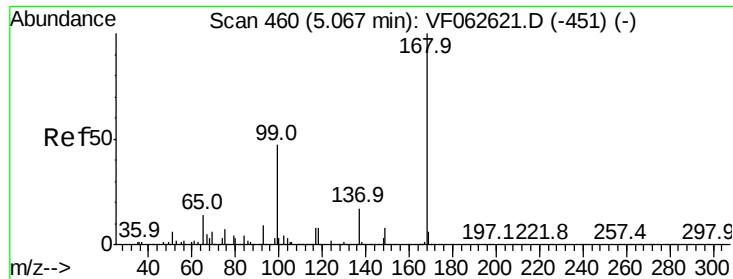
Manual Integrations
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Quant Time: May 30 09:02:35 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	188495	21.451	µg/l	96
94) Hexachlorobutadiene	14.24	225	125411	20.451	µg/l	98
95) Naphthalene	14.51	128	310678	19.462	µg/l	96
96) 1,2,3-Trichlorobenzene	14.66	180	174510	20.966	µg/l	93

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



#1

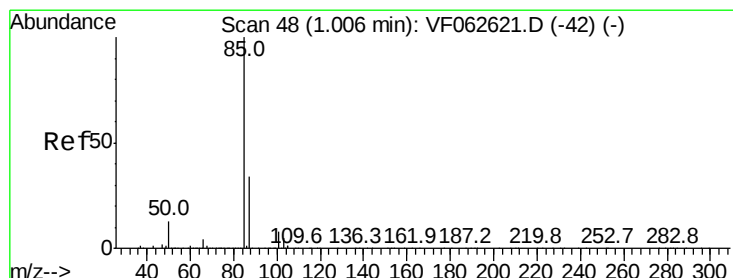
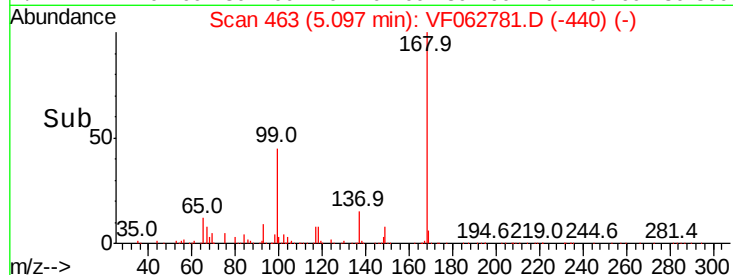
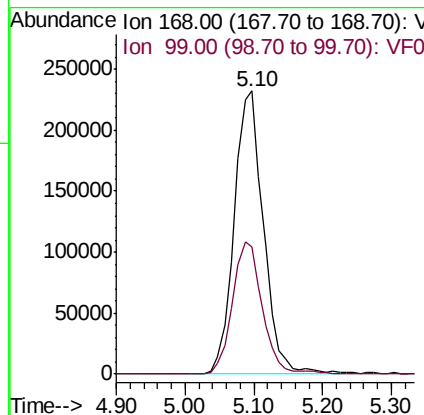
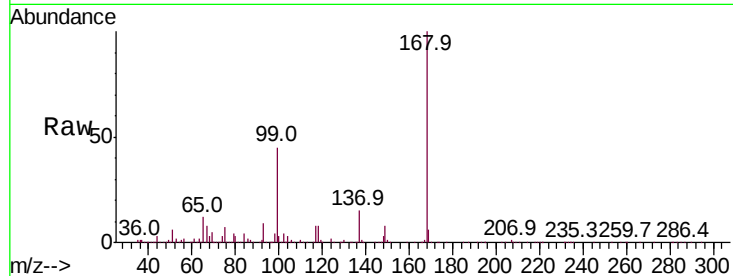
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.10 min Scan# 463
Delta R.T. 0.03 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion	Ratio	Resp	Lower	Upper
168	100	681716		
99	44.9	37.8	56.8	

Manual Integrations
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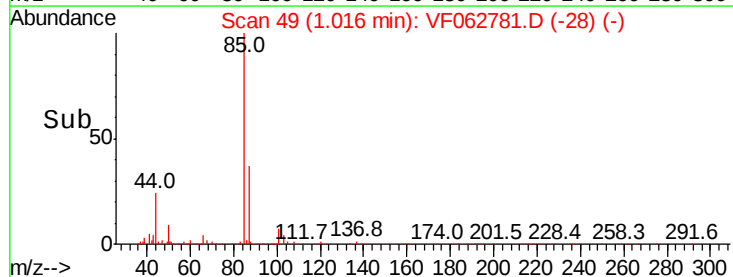
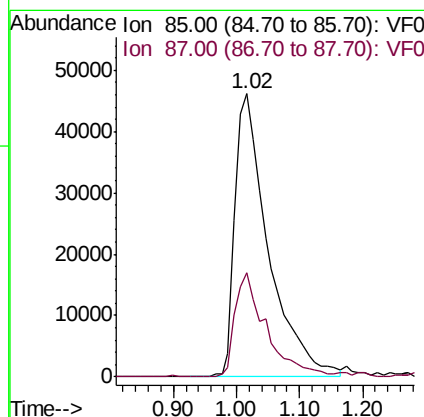
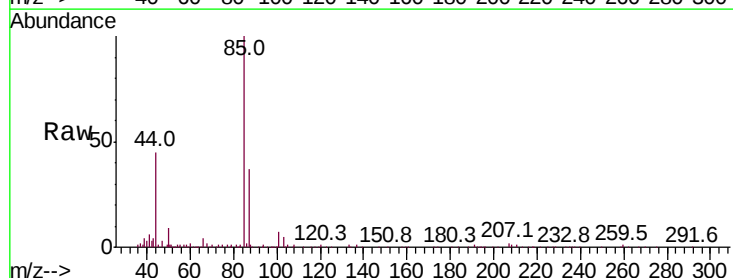
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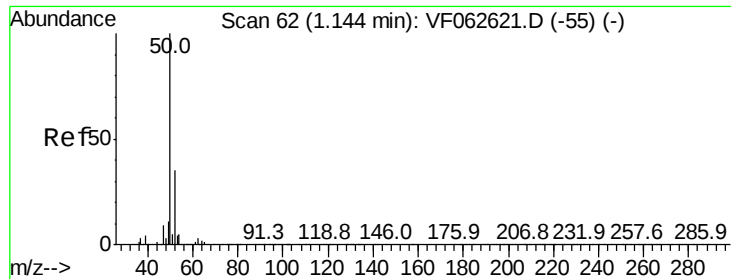


#2

Dichlorodifluoromethane
Concen: 18.174 ug/l
RT: 1.02 min Scan# 49
Delta R.T. 0.01 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	168600		
87	37.0	16.8	50.3	





#3

Chloromethane

Concen: 17.698 ug/l

RT: 1.14 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

Tot Ion: 50 Resp: 151181

Ion Ratio Lower Upper

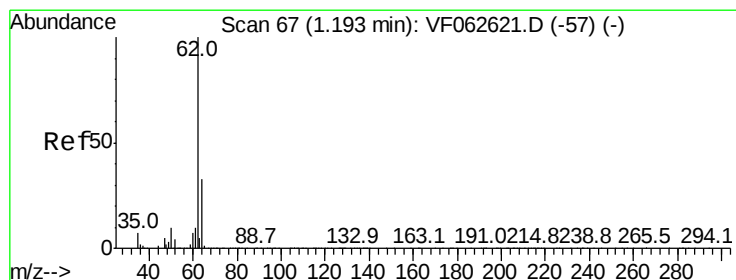
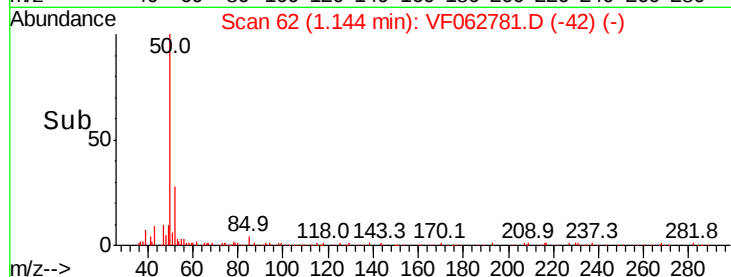
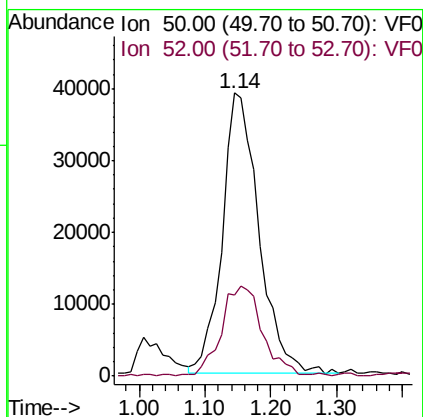
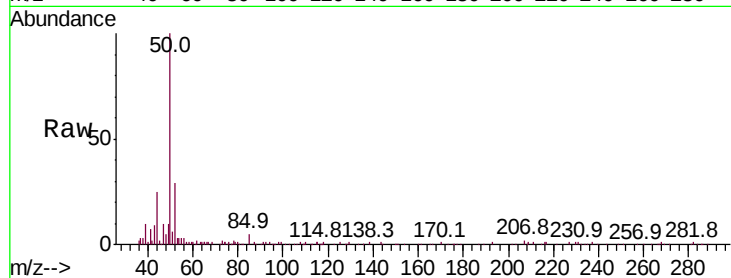
50 100

52 28.8 27.5 41.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 18.891 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062781.D

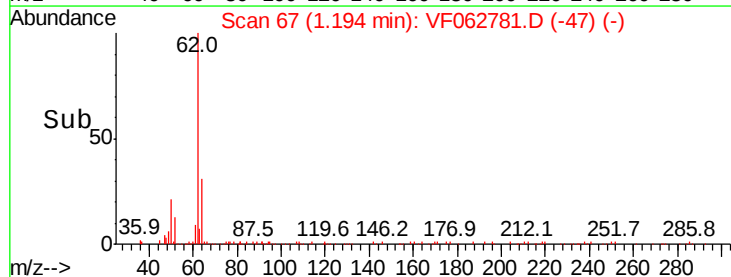
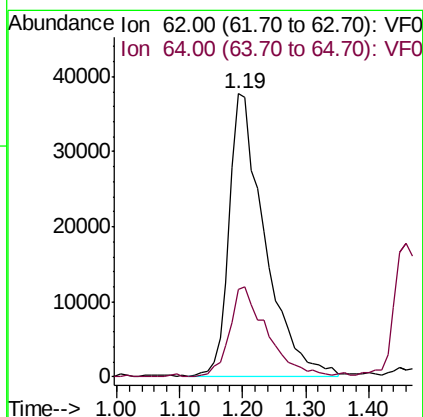
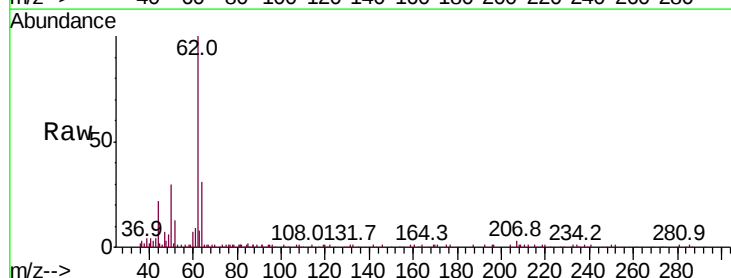
Acq: 29 May 2019 14:41

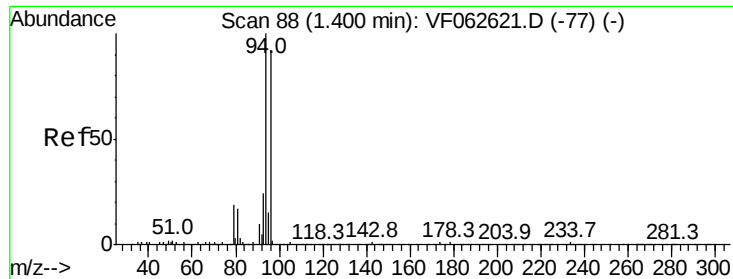
Tgt Ion: 62 Resp: 148540

Ion Ratio Lower Upper

62 100

64 30.8 26.7 40.1





#5

Bromomethane

Concen: 20.289 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

Tot Ion: 94 Resp: 87277

Ion Ratio Lower Upper

94 100

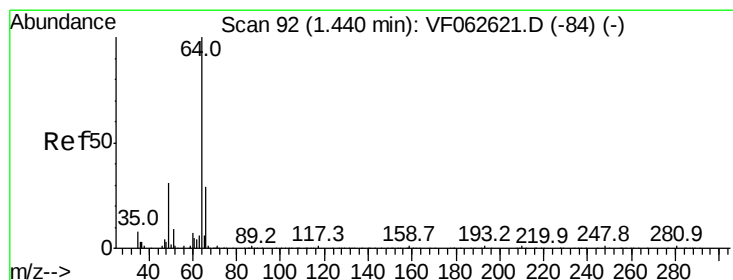
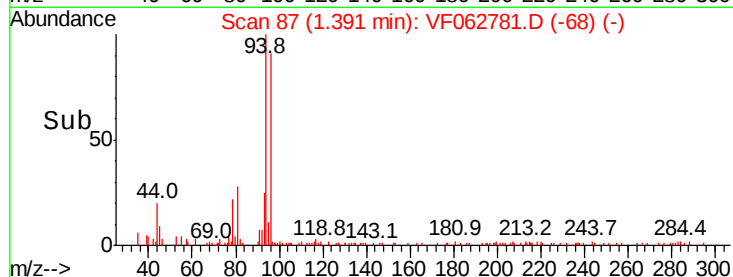
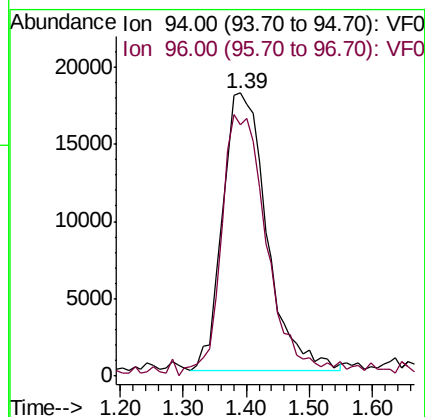
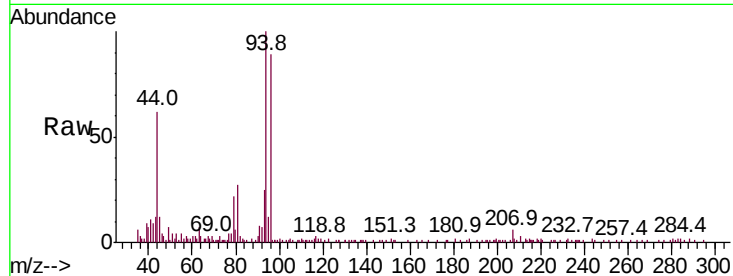
96 90.2 73.2 109.8

Manual Integrations

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#6

Chloroethane

Concen: 18.750 ug/l

RT: 1.46 min Scan# 94

Delta R.T. 0.02 min

Lab File: VF062781.D

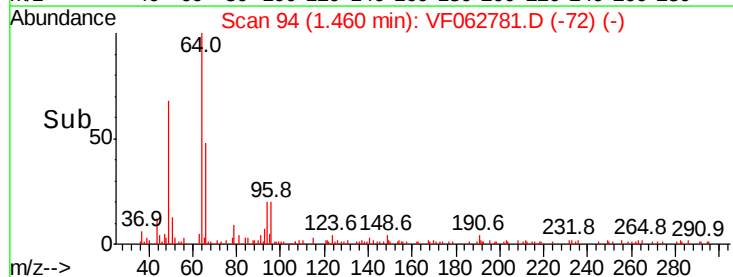
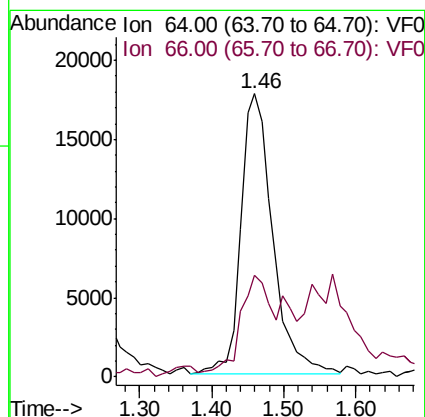
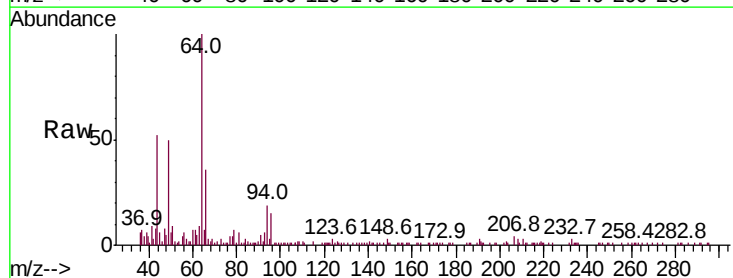
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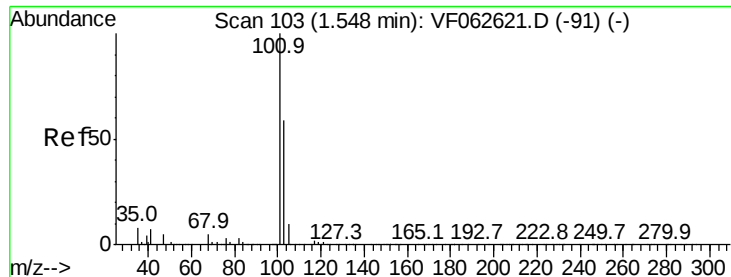
Tgt Ion: 64 Resp: 54146

Ion Ratio Lower Upper

64 100

66 35.9 23.4 35.2#





#7

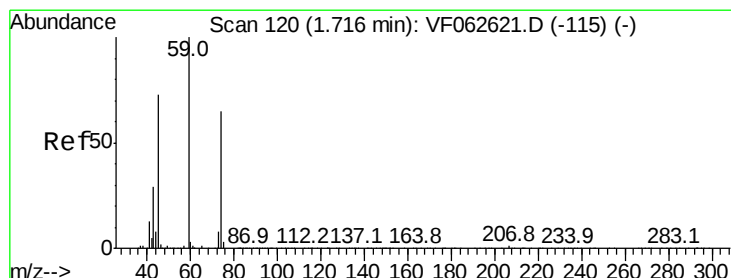
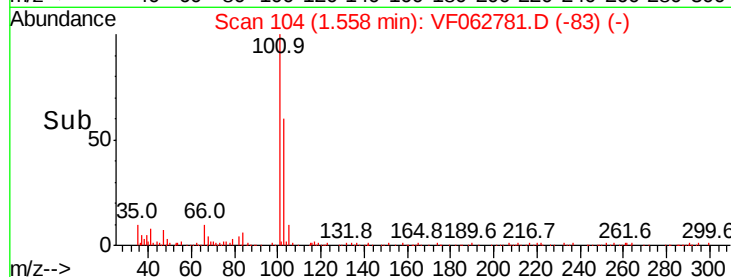
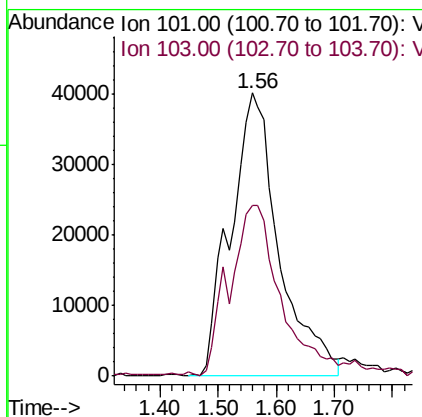
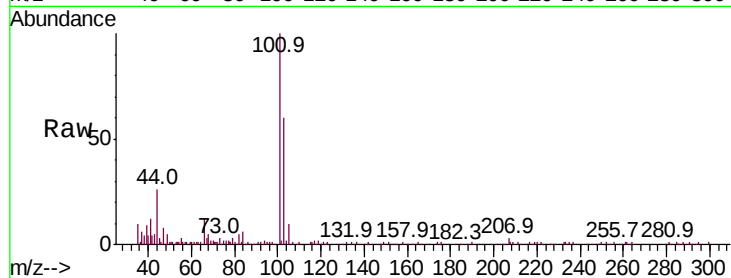
Trichlorofluoromethane
Concen: 22.153 ug/l
RT: 1.56 min Scan# 104
Delta R.T. 0.01 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

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VF0529SBS03

Tot Ion	Ratio	Resp	Lower	Upper
101	100	233892		
103	60.1	47.3	70.9	

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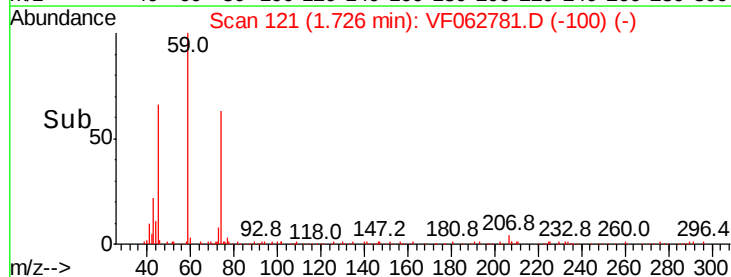
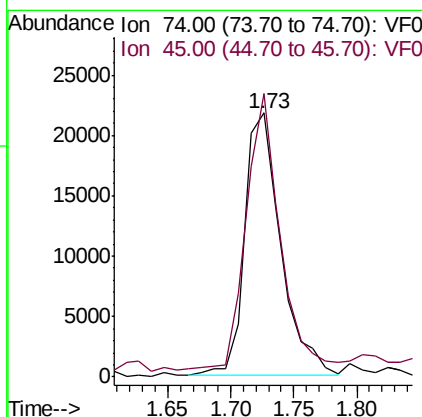
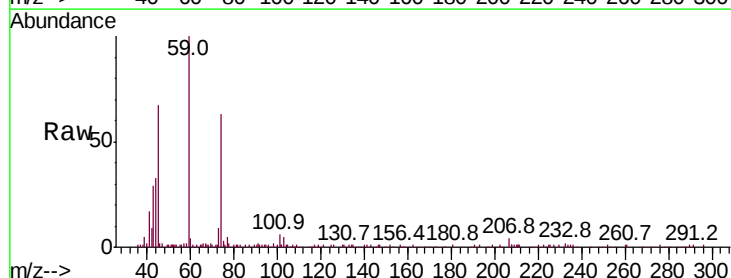
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5/30/2019 11:02:43 AM

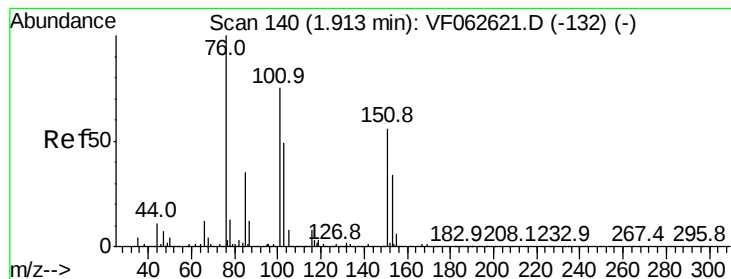


#8

Diethyl Ether
Concen: 20.729 ug/l
RT: 1.73 min Scan# 121
Delta R.T. 0.01 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	43356		
45	107.2	57.0	170.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.787 ug/l

RT: 1.93 min Scan# 142

Delta R.T. 0.02 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

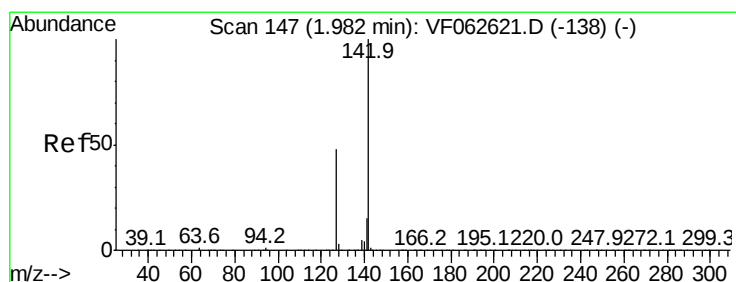
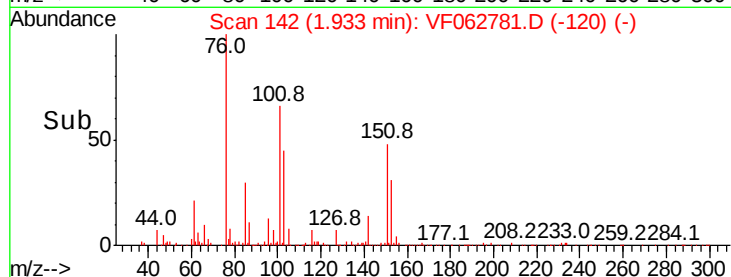
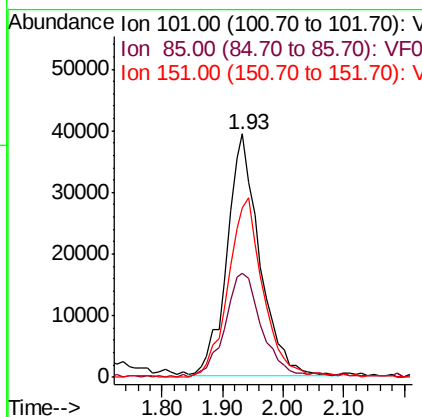
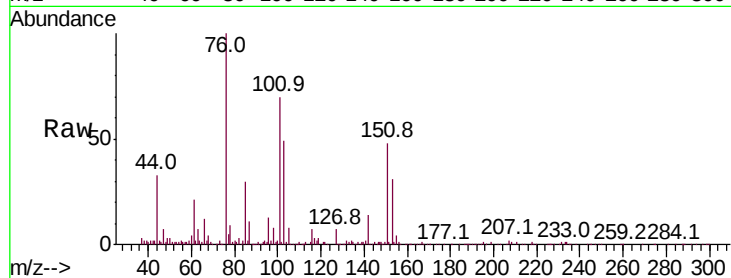
ClientSampleId :

VF0529SBS03

Tot Ion:	101	Resp:	146470
Ion Ratio	Lower	Upper	
101	100		
85	42.9	37.1	55.7
151	69.6	58.8	88.2

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#10

Methyl Iodide

Concen: 21.984 ug/l m

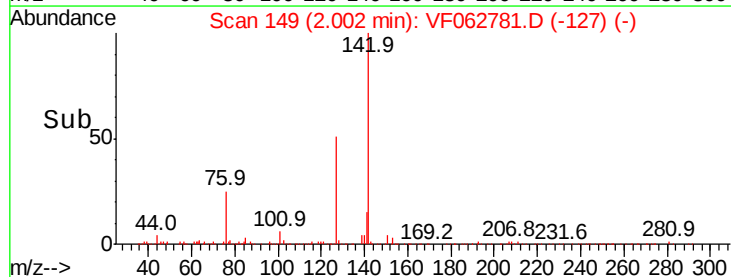
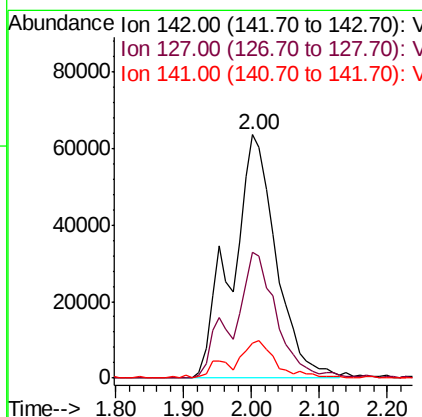
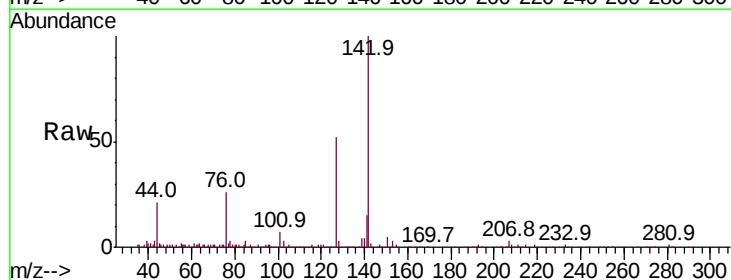
RT: 2.00 min Scan# 149

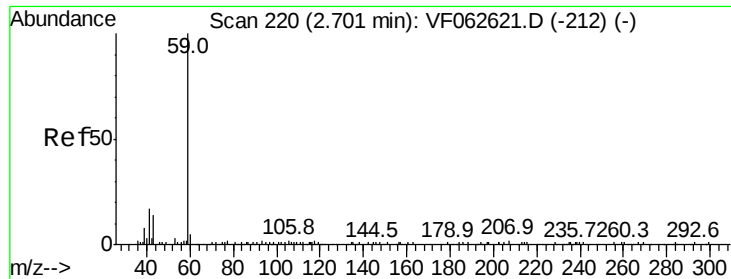
Delta R.T. 0.02 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Tgt Ion:	142	Resp:	290321
Ion Ratio	Lower	Upper	
142	100		
127	51.6	38.1	57.1
141	14.6	11.7	17.5





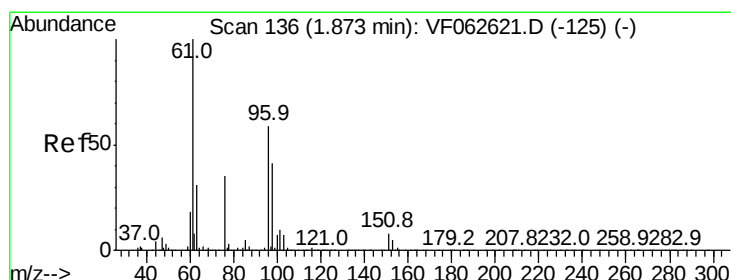
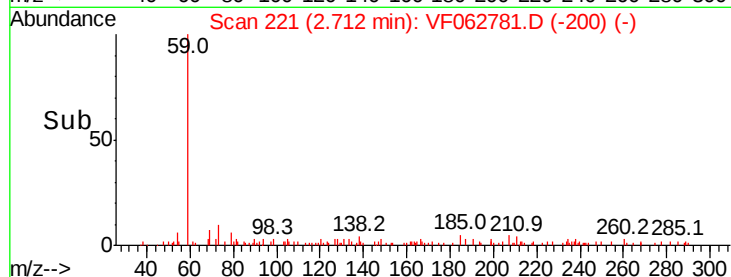
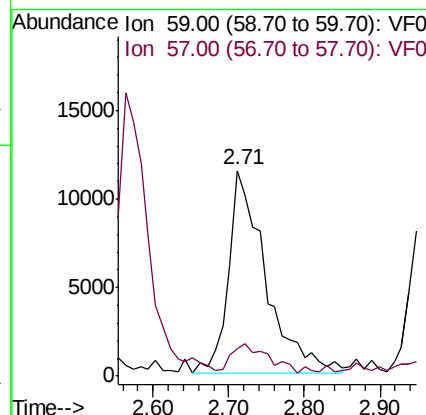
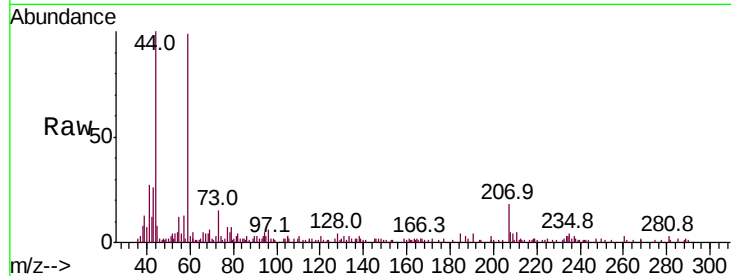
#11
Tert butyl alcohol
Concen: 122.998 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.01 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion	59	Resp	39119
Ion Ratio	100	Lower	Upper
57	13.0	9.3	13.9

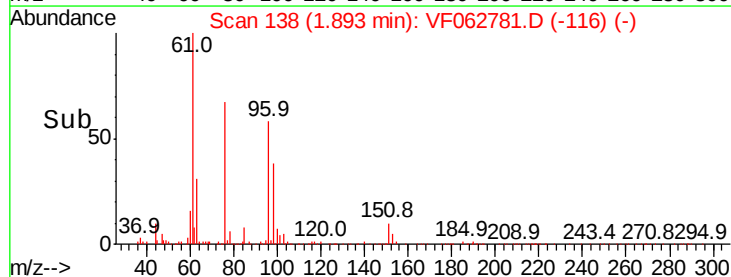
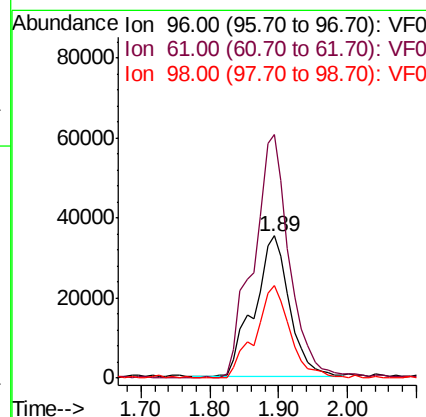
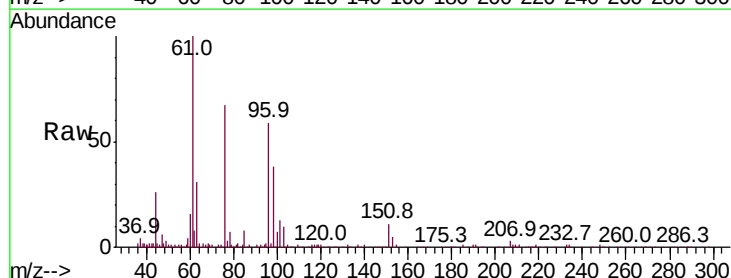
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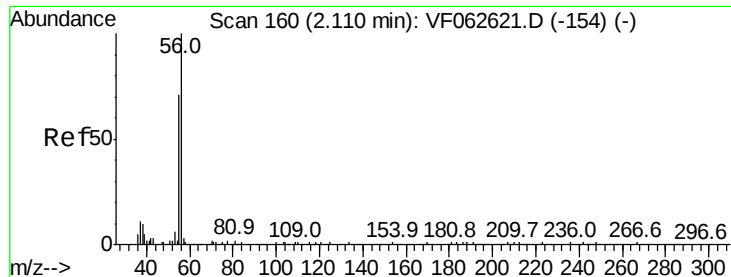
mmdadoda
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#12
1,1-Dichloroethene
Concen: 20.762 ug/l
RT: 1.89 min Scan# 138
Delta R.T. 0.02 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Tgt Ion	96	Resp	127145
Ion Ratio	100	Lower	Upper
61	170.9	134.3	201.5
98	64.7	55.0	82.6





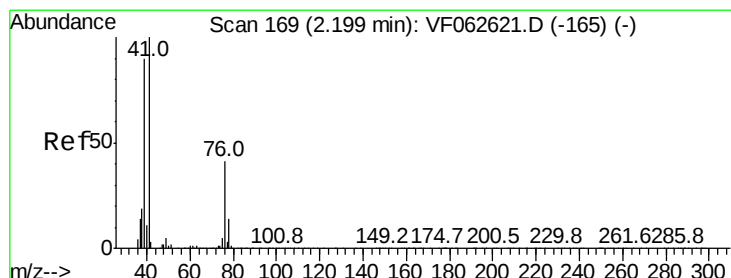
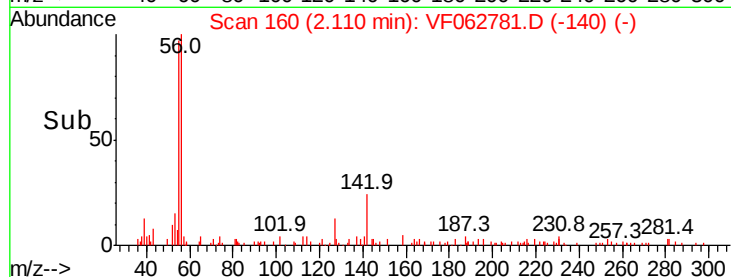
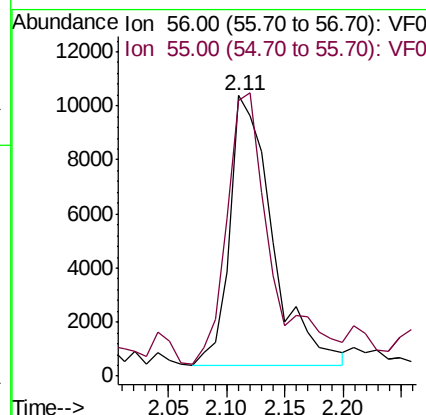
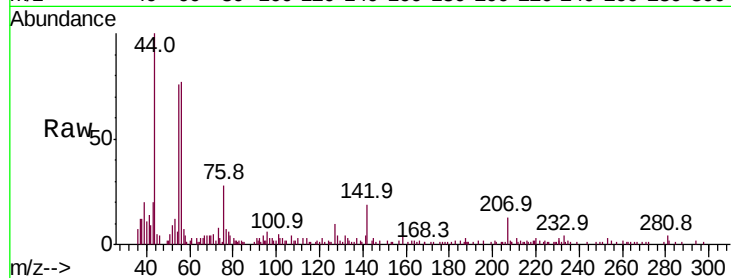
#13
Acrolein
Concen: 76.770 ug/l
RT: 2.11 min Scan# 160
Delta R.T. 0.00 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion: 56 Resp: 25487
Ion Ratio Lower Upper
56 100
55 98.2 59.4 89.0#

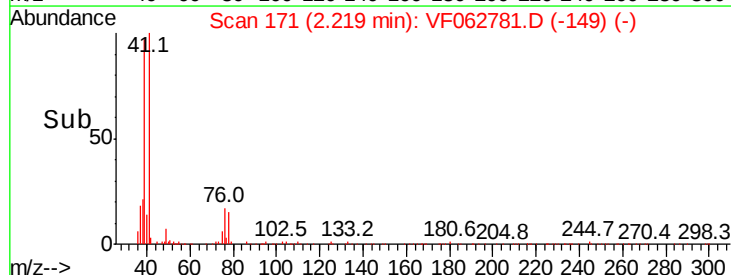
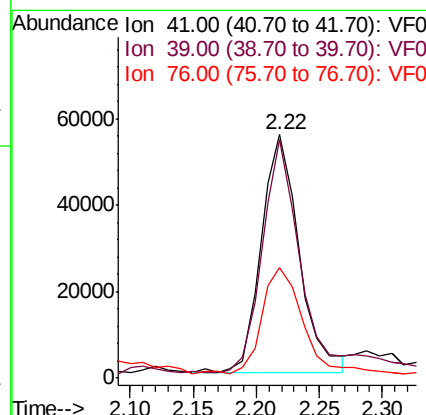
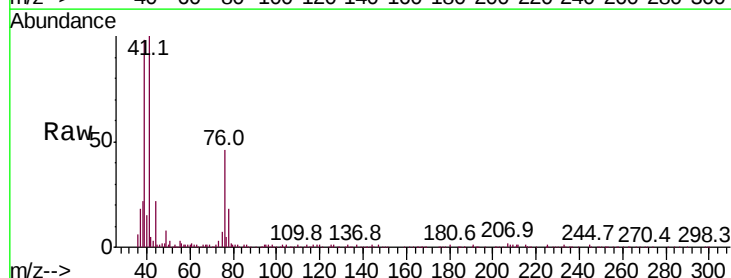
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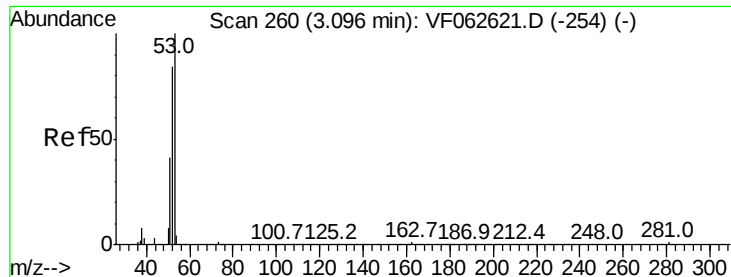
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#14
Allyl chloride
Concen: 20.979 ug/l
RT: 2.22 min Scan# 171
Delta R.T. 0.02 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Tgt Ion: 41 Resp: 116279
Ion Ratio Lower Upper
41 100
39 98.2 72.0 108.0
76 45.6 34.8 52.2





#15

Acrylonitrile

Concen: 204.099 ug/l

RT: 3.12 min Scan# 262

Delta R.T. 0.02 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

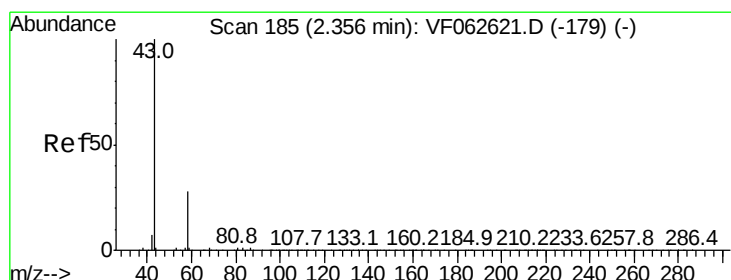
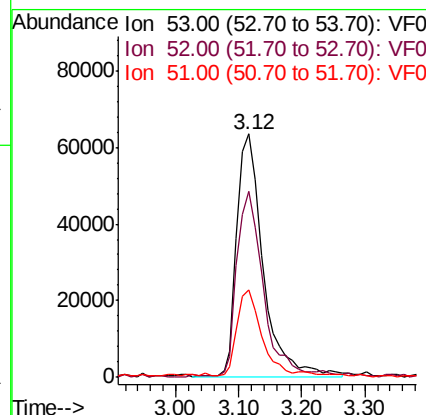
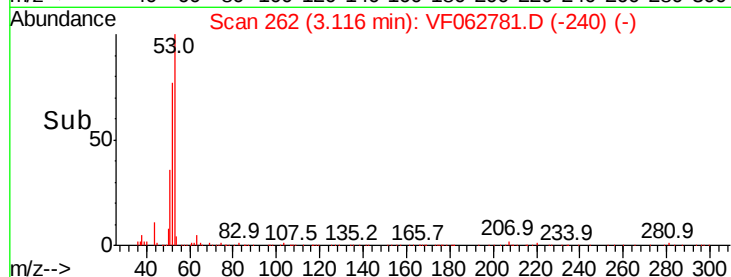
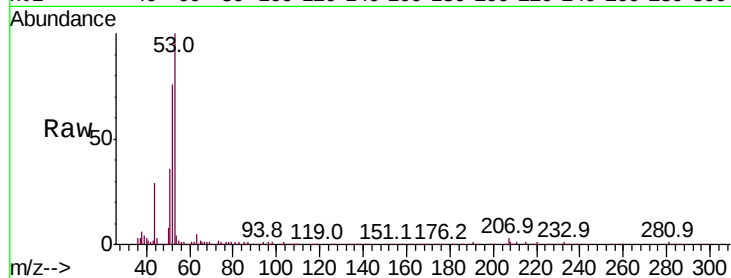
ClientSampleId :

VF0529SBS03

Tot Ion:	53	Resp:	183107
Ion Ratio		Lower	Upper
53	100		
52	76.2	67.3	100.9
51	35.9	33.0	49.6

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#16

Acetone

Concen: 88.526 ug/l

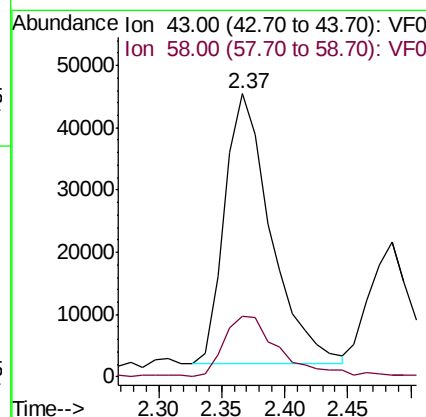
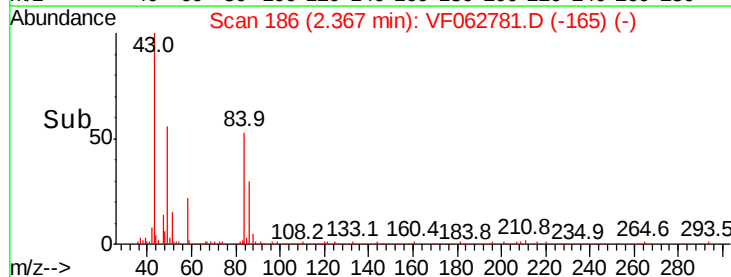
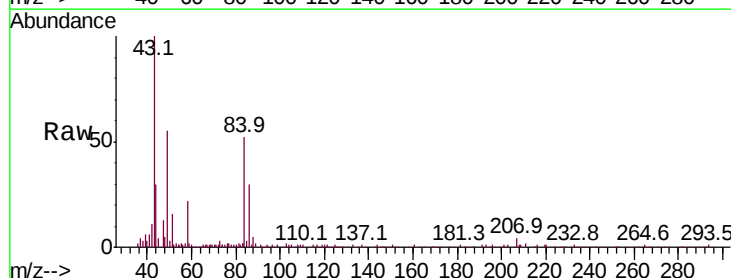
RT: 2.37 min Scan# 186

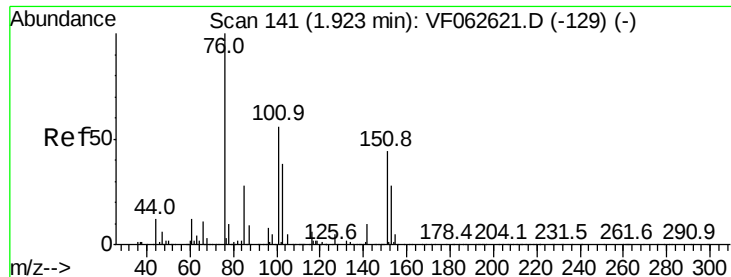
Delta R.T. 0.01 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Tgt Ion:	43	Resp:	110638
Ion Ratio		Lower	Upper
43	100		
58	21.5	22.6	33.8#





#17

Carbon Disulfide

Concen: 21.474 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

Tot Ion: 76 Resp: 389783

Ion Ratio Lower Upper

76 100

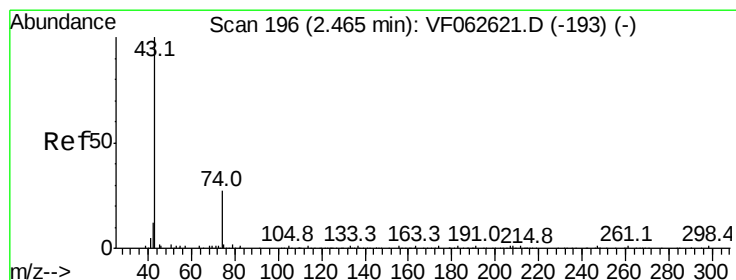
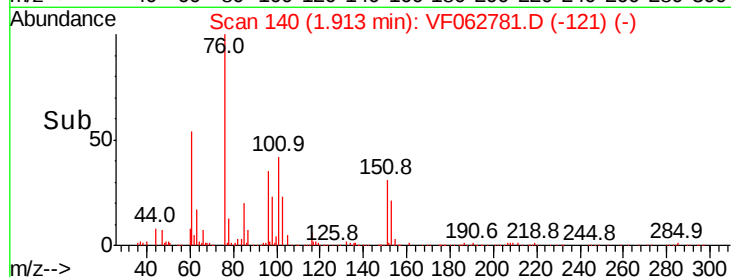
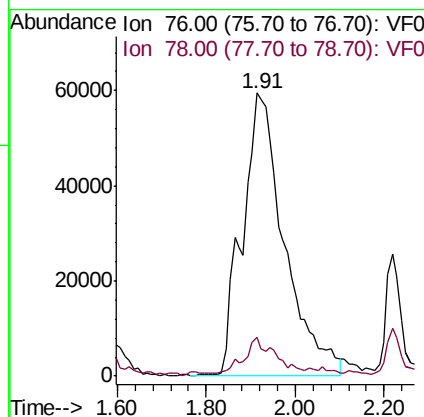
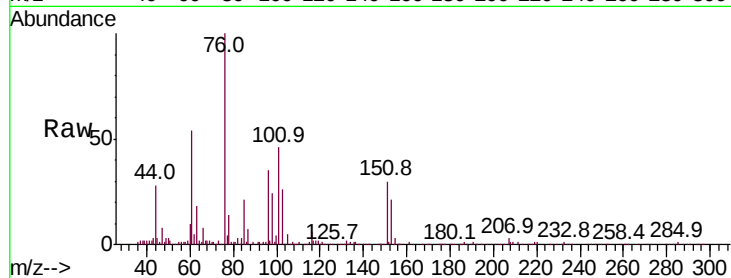
78 13.6 8.4 12.6#

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#18

Methyl Acetate

Concen: 24.865 ug/l

RT: 2.48 min Scan# 198

Delta R.T. 0.02 min

Lab File: VF062781.D

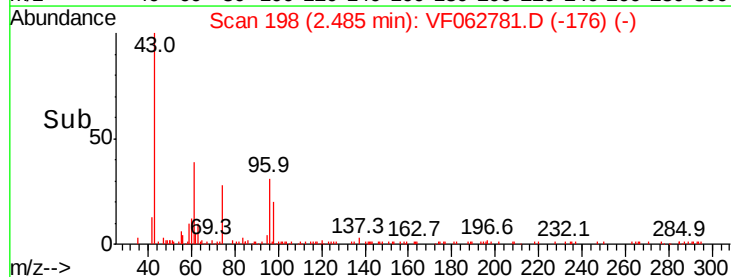
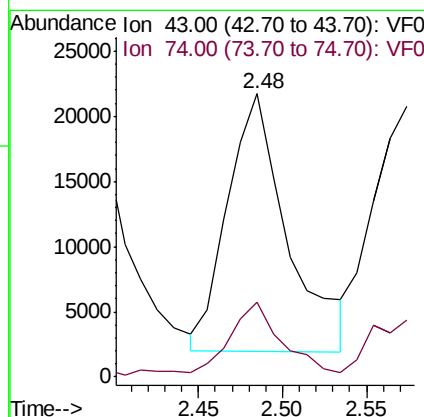
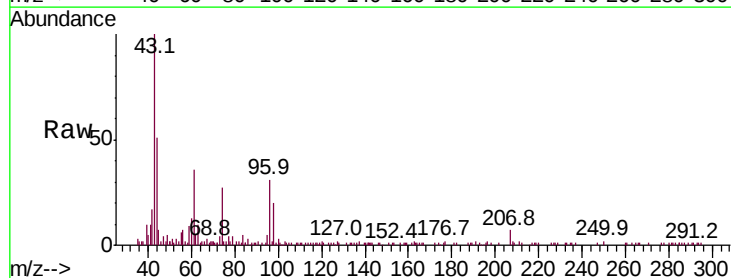
Acq: 29 May 2019 14:41

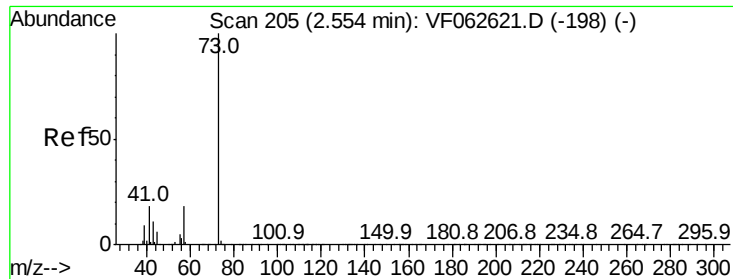
Tgt Ion: 43 Resp: 48833

Ion Ratio Lower Upper

43 100

74 26.6 18.9 28.3





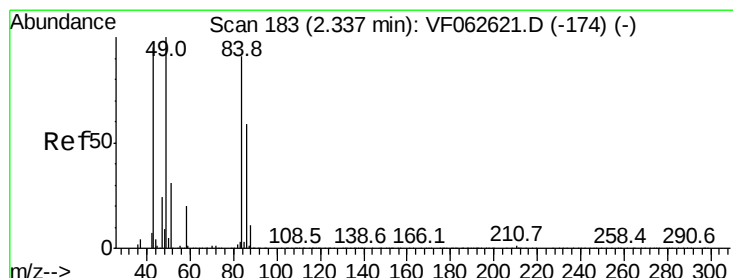
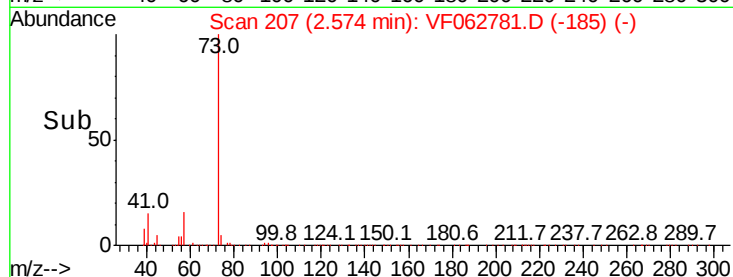
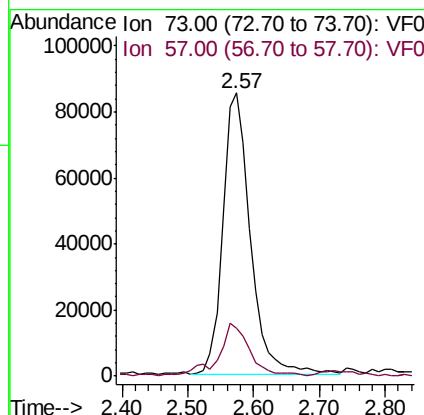
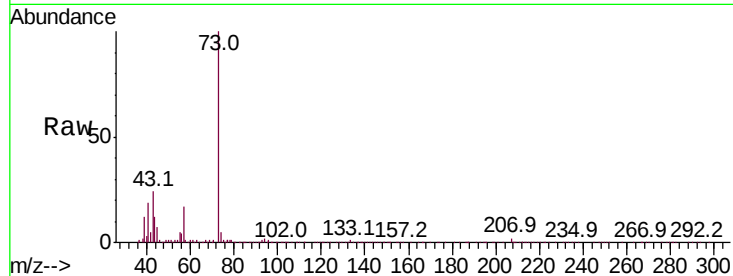
#19
Methvl tert-butvl Ether
Concen: 22.595 ug/l
RT: 2.57 min Scan# 207
Delta R.T. 0.02 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion: 73 Resp: 247359
Ion Ratio Lower Upper
73 100
57 16.7 14.2 21.4

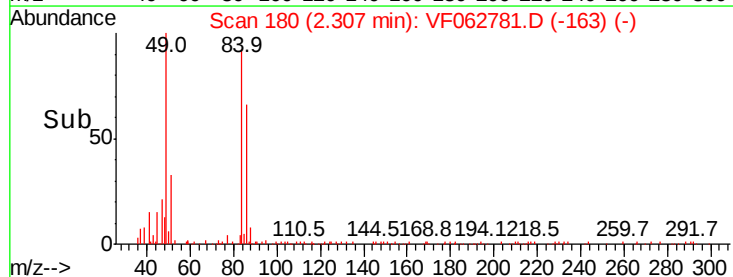
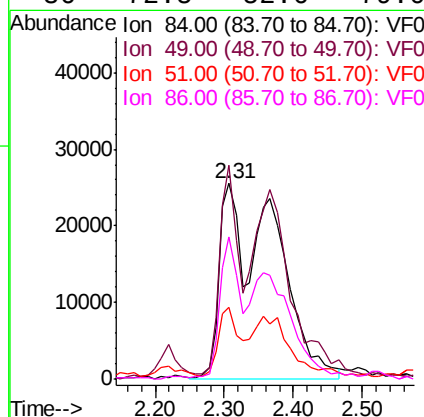
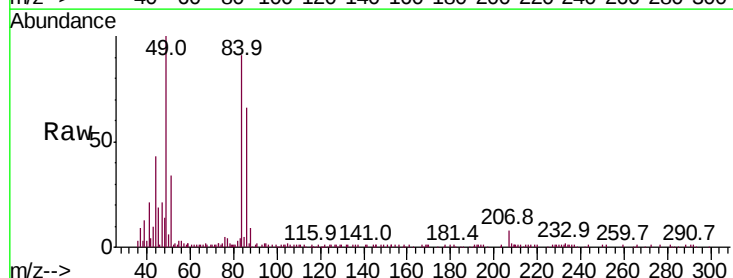
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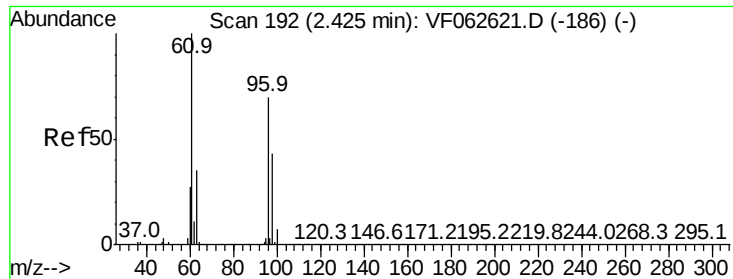
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#20
Methylene Chloride
Concen: 22.621 ug/l m
RT: 2.31 min Scan# 180
Delta R.T. -0.03 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Tgt Ion: 84 Resp: 141705
Ion Ratio Lower Upper
84 100
49 109.3 89.8 134.8
51 37.0 28.4 42.6
86 72.5 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 22.778 ug/l

RT: 2.45 min Scan# 194

Delta R.T. 0.02 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

Tot Ion: 96 Resp: 136345

Ion Ratio Lower Upper

96 100

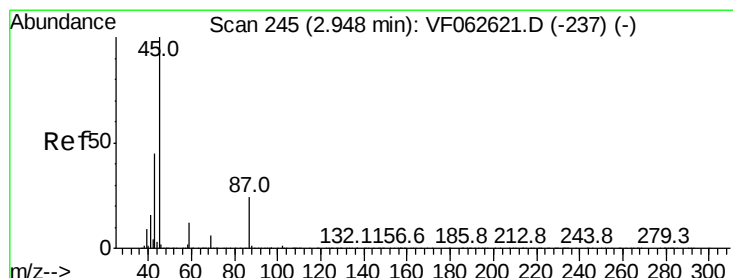
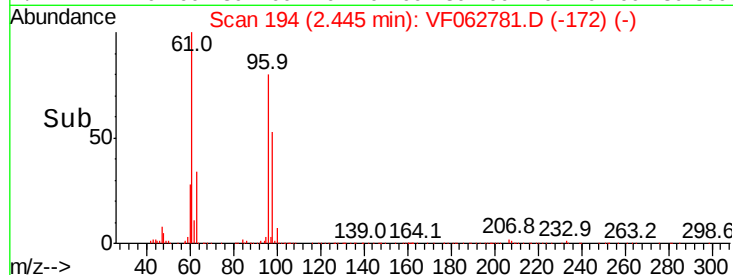
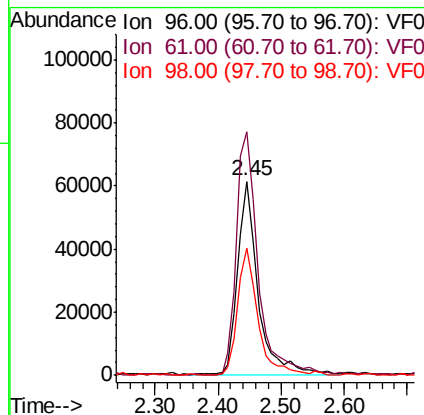
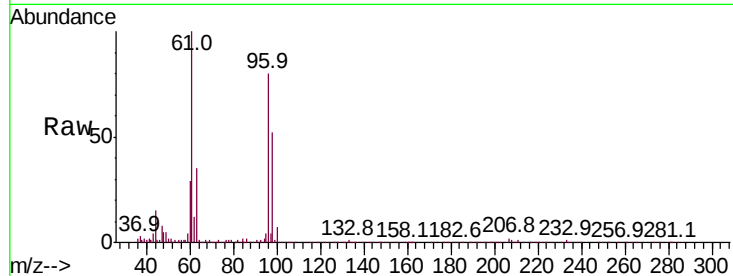
61 125.4 114.6 171.8

98 65.3 49.5 74.3

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#22

Diisopropyl ether

Concen: 21.040 ug/l

RT: 2.97 min Scan# 247

Delta R.T. 0.02 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Tgt Ion: 45 Resp: 287620

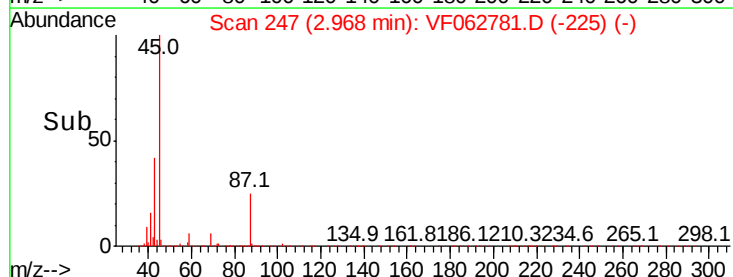
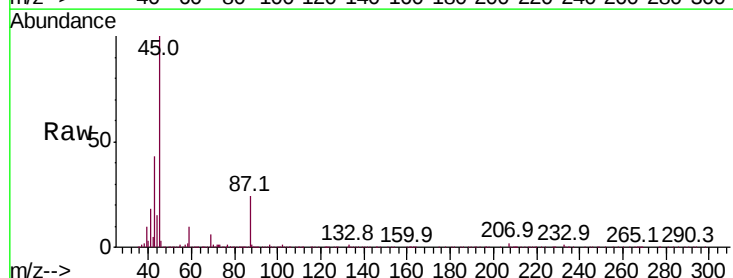
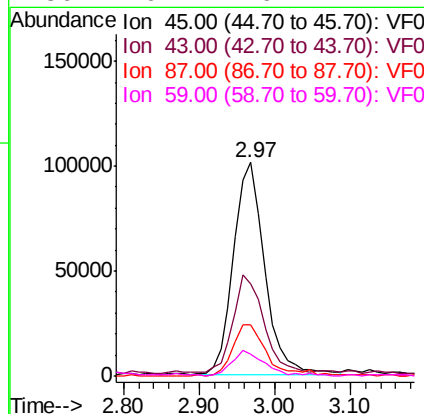
Ion Ratio Lower Upper

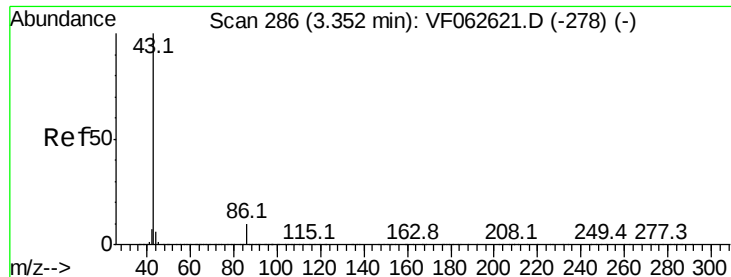
45 100

43 43.1 36.4 54.6

87 24.3 19.3 28.9

59 10.1 9.4 14.2





#23

Vinyl Acetate

Concen: 105.747 ug/l

RT: 3.38 min Scan# 289

Delta R.T. 0.03 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

Tot Ion: 43 Resp: 975150

Ion Ratio Lower Upper

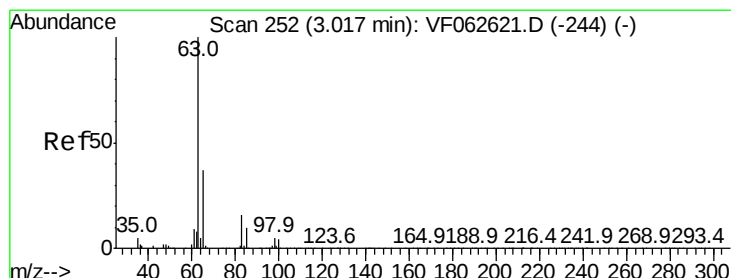
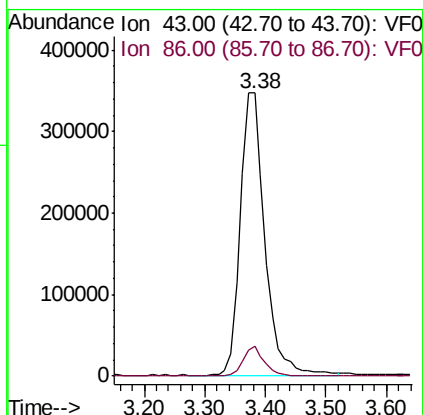
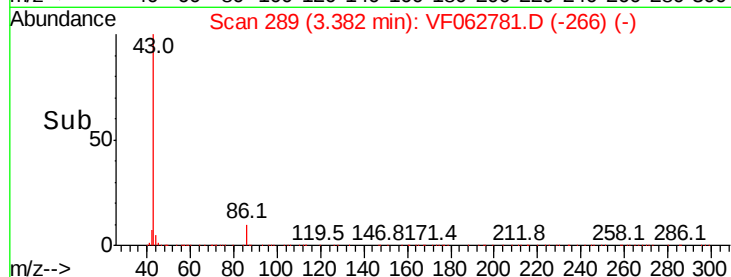
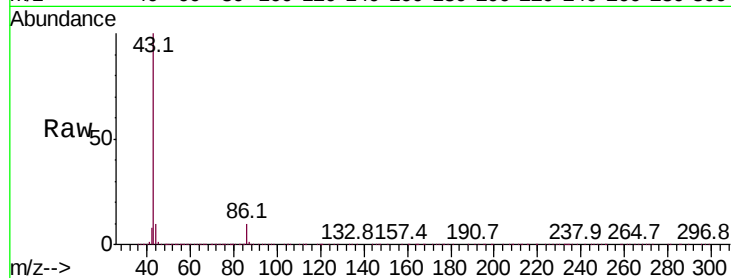
43 100

86 10.4 8.2 12.2

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#24

1,1-Dichloroethane

Concen: 24.494 ug/l

RT: 3.04 min Scan# 254

Delta R.T. 0.02 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

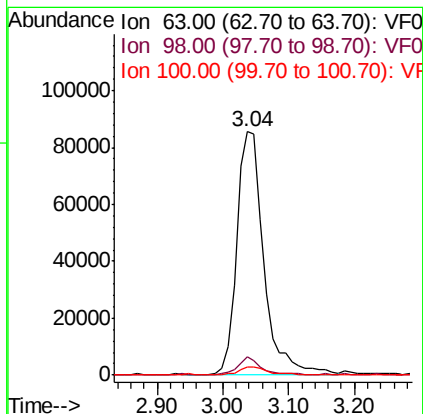
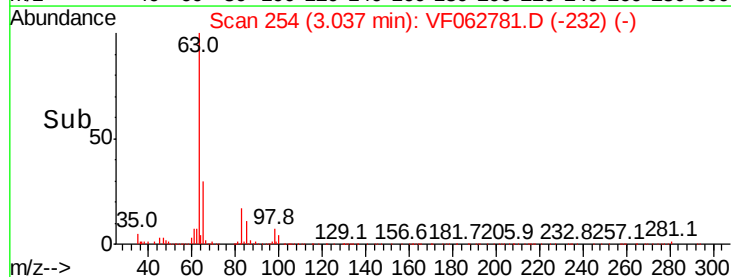
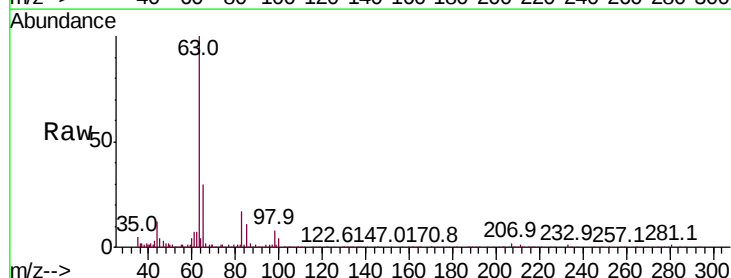
Tgt Ion: 63 Resp: 245639

Ion Ratio Lower Upper

63 100

98 7.7 2.8 8.3

100 3.5 1.9 5.7





#25

2-Butanone

Concen: 105.095 ug/l

RT: 4.56 min Scan# 409

Delta R.T. 0.03 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

Tot Ion: 43 Resp: 280619

Ion Ratio Lower Upper

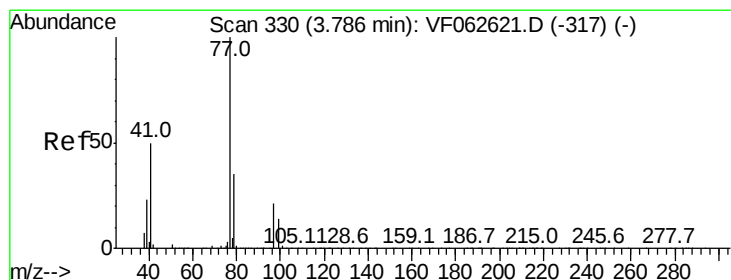
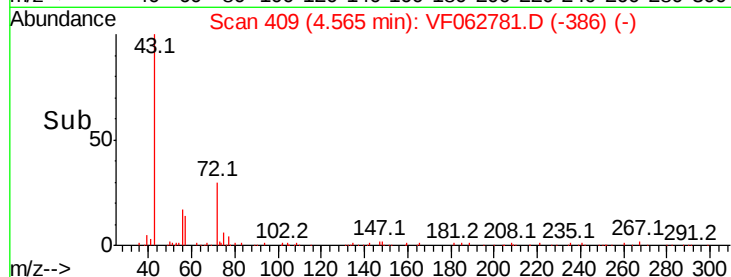
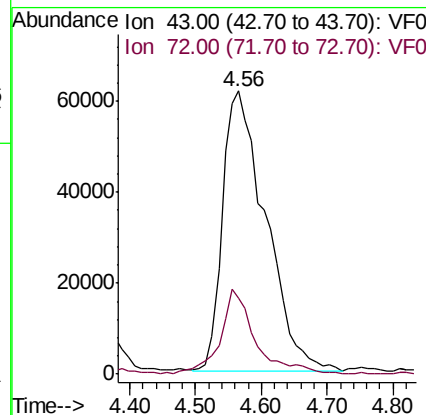
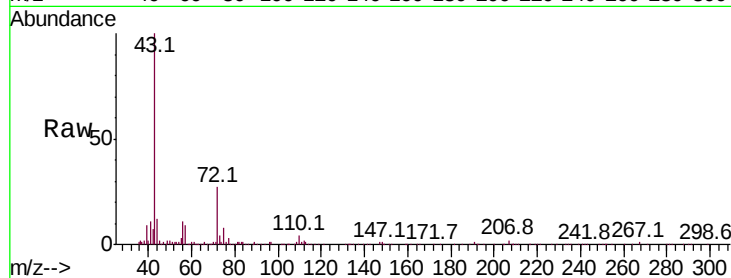
43 100

72 27.0 20.1 30.1

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#26

2,2-Dichloropropane

Concen: 24.026 ug/l

RT: 3.82 min Scan# 333

Delta R.T. 0.03 min

Lab File: VF062781.D

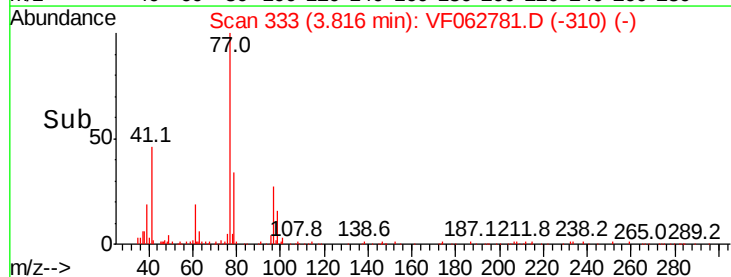
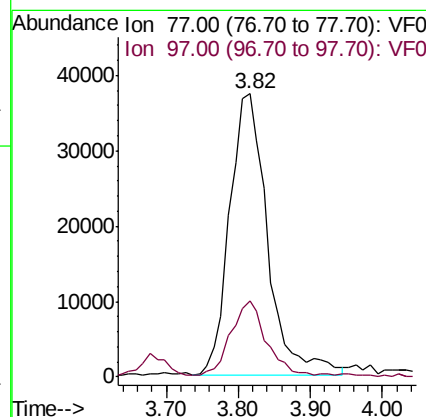
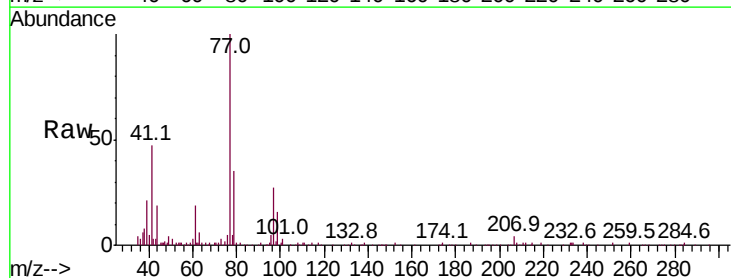
Acq: 29 May 2019 14:41

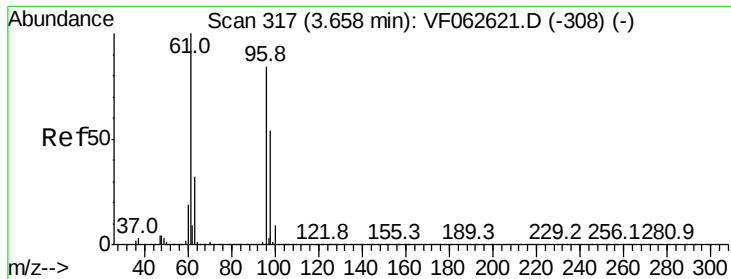
Tgt Ion: 77 Resp: 137861

Ion Ratio Lower Upper

77 100

97 26.6 14.1 42.4





#27

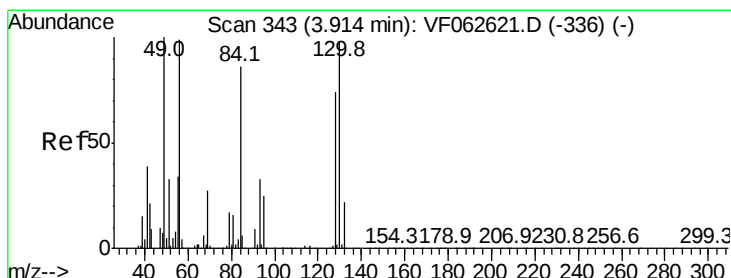
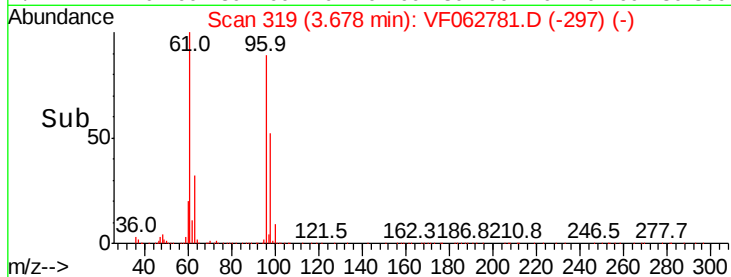
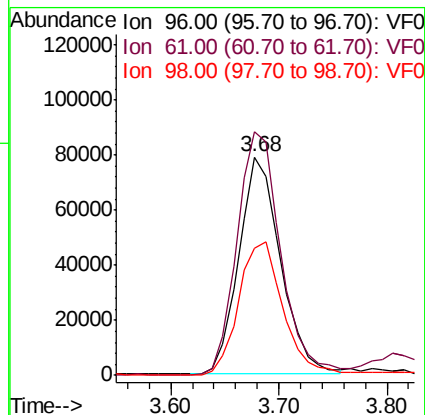
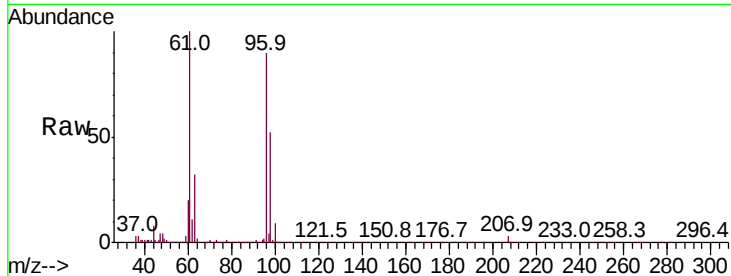
cis-1,2-Dichloroethene
Concen: 21.499 ug/l
RT: 3.68 min Scan# 319
Delta R.T. 0.02 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion	96	Resp	211677
Ion	Ratio	Lower	Upper
96	100		
61	111.6	0.0	237.4
98	58.4	0.0	129.0

Manual Integrations
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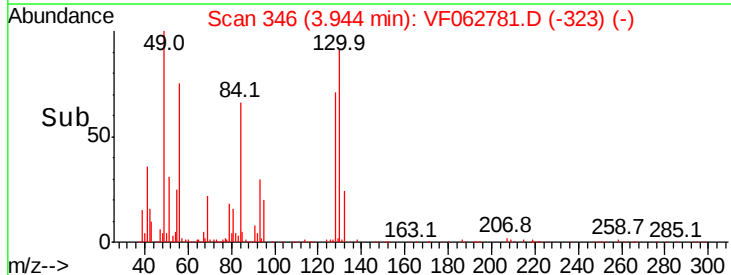
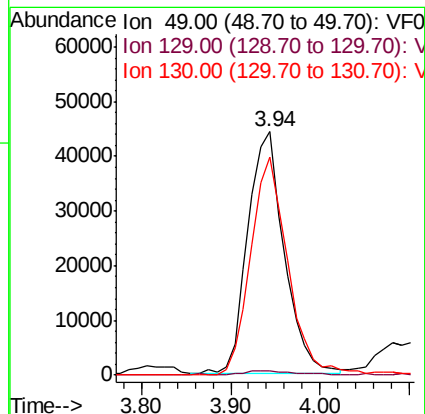
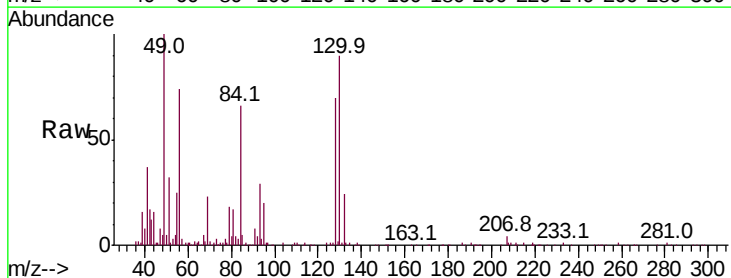
mmdadoda
5/30/2019 11:02:43 AM

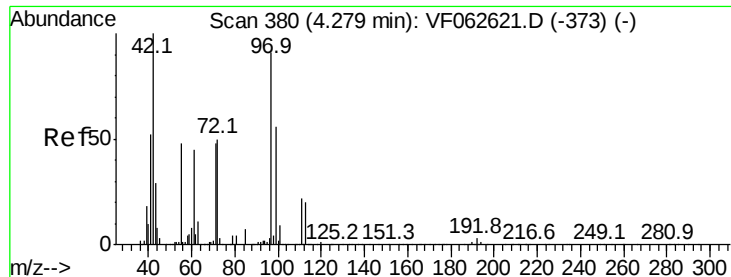


#28

Bromochloromethane
Concen: 22.461 ug/l
RT: 3.94 min Scan# 346
Delta R.T. 0.03 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Tgt Ion	49	Resp	126328
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.0
130	89.6	77.8	116.8





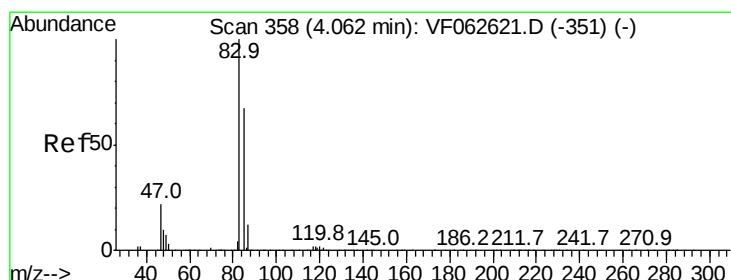
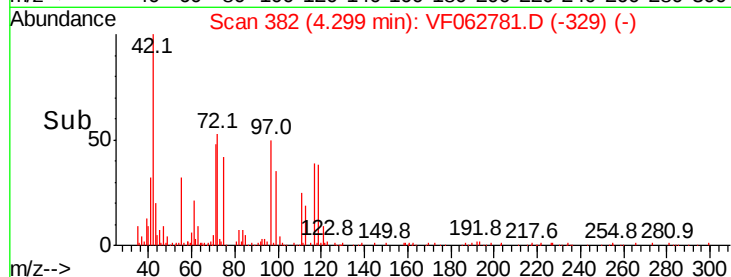
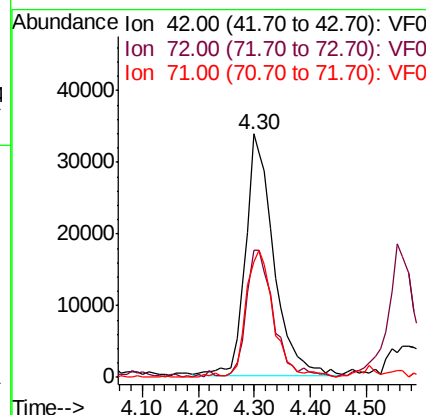
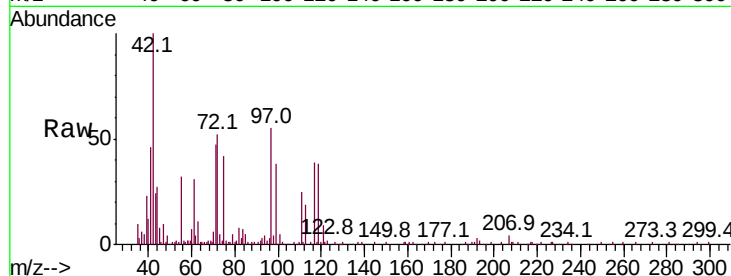
#29
Tetrahydrofuran
Concen: 109.500 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.02 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.0	38.2	57.2
71	50.4	35.8	53.6

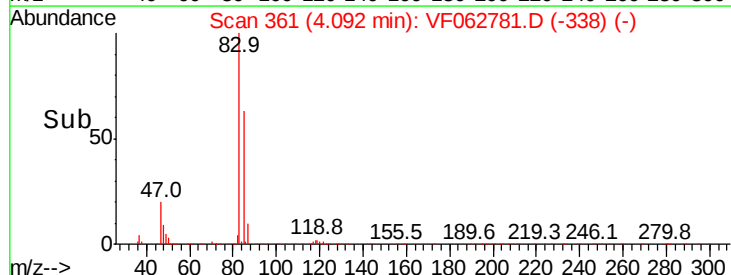
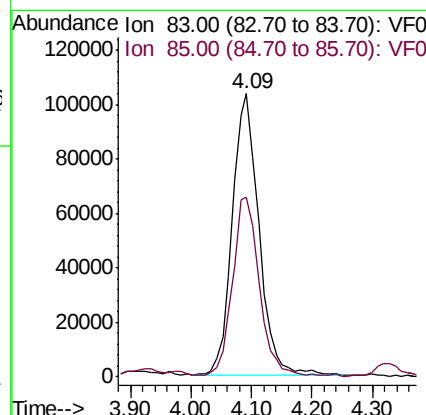
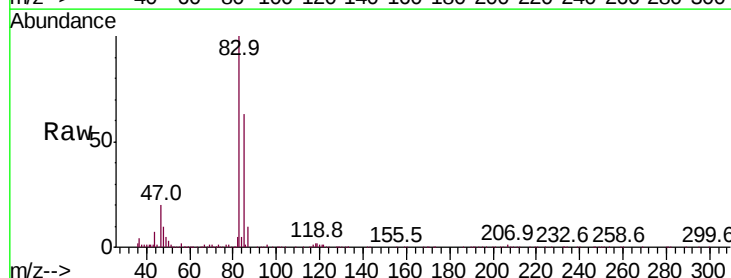
Manual Integrations
APPROVED

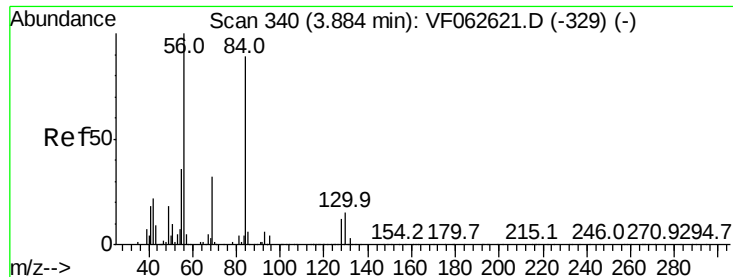
mmdadoda
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#30
Chloroform
Concen: 22.583 ug/l
RT: 4.09 min Scan# 361
Delta R.T. 0.03 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	53.6	80.4





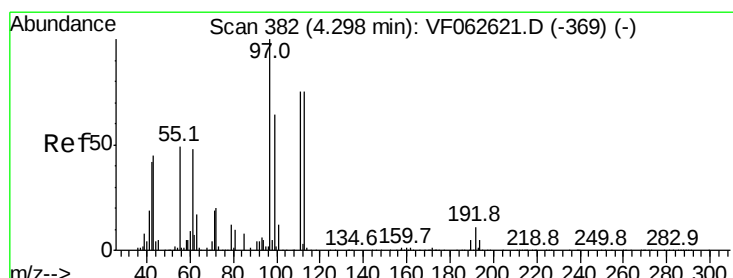
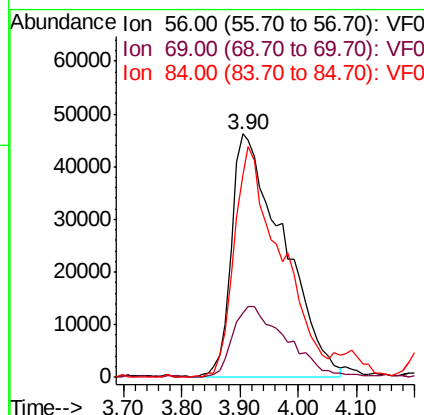
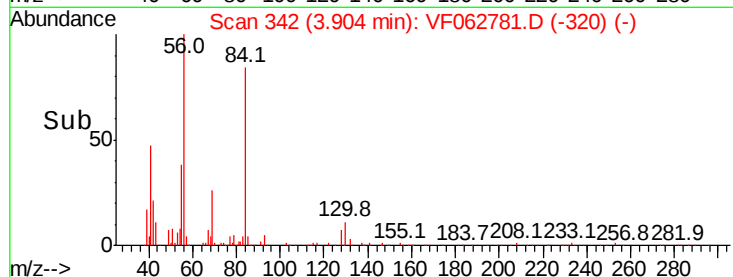
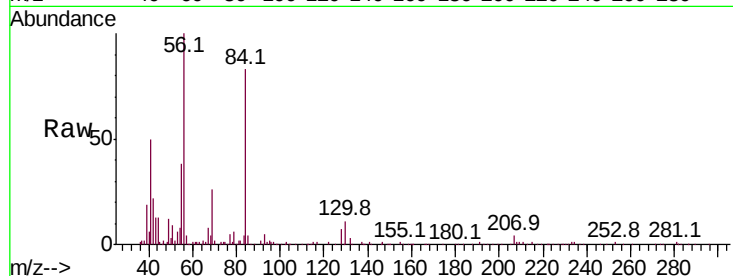
#31
Cyclohexane
Concen: 21.055 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.02 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion	Ratio	Lower	Upper
56	100		
69	26.4	25.3	37.9
84	83.4	71.0	106.4

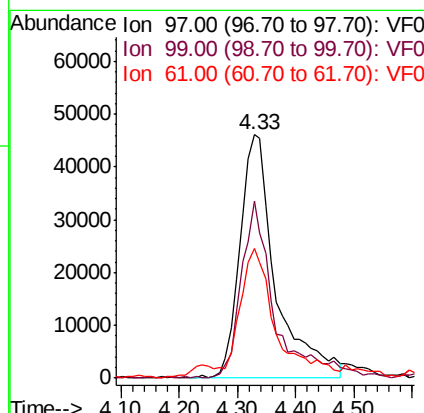
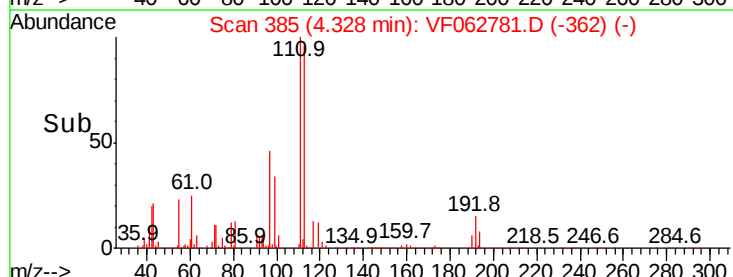
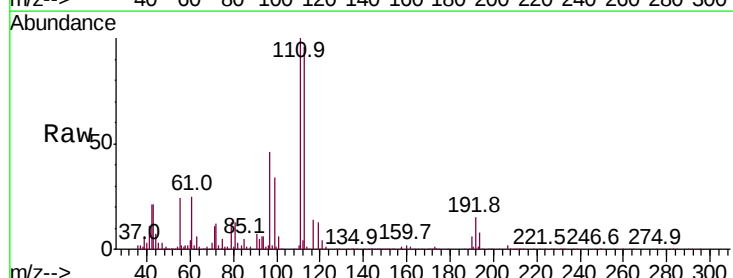
Manual Integrations
APPROVED

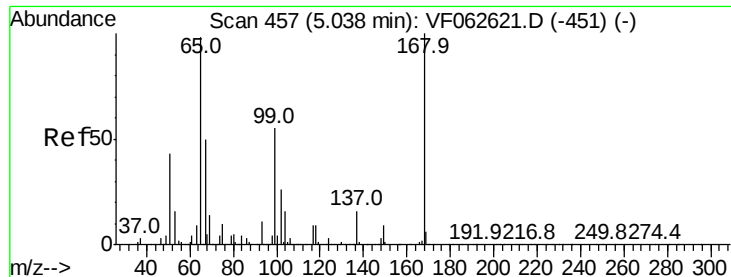
mmdadoda
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#32
1,1,1-Trichloroethane
Concen: 21.181 ug/l
RT: 4.33 min Scan# 385
Delta R.T. 0.03 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	72.9	51.3	76.9
61	53.5	38.2	57.2





#33

1,2-Dichloroethane-d4

Concen: 47.808 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.03 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

Tot Ion: 65 Resp: 230309

Ion Ratio Lower Upper

65 100

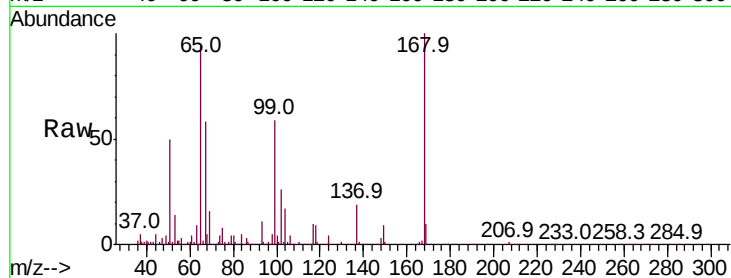
67 62.1 0.0 117.6

Manual Integrations

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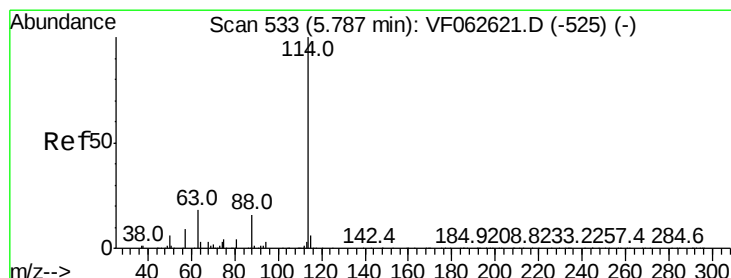
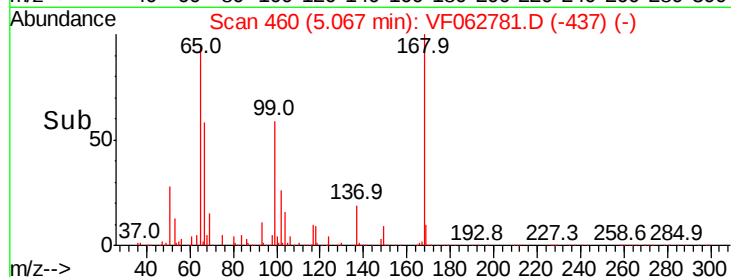
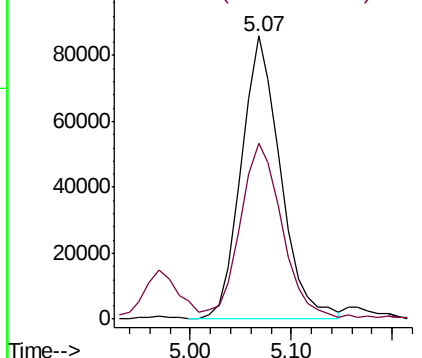
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.81 min Scan# 535

Delta R.T. 0.02 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

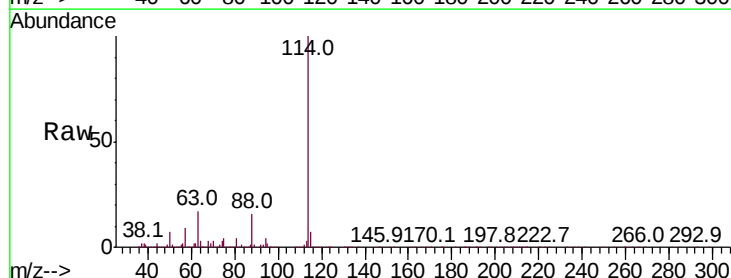
Tgt Ion:114 Resp: 1106930

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.4

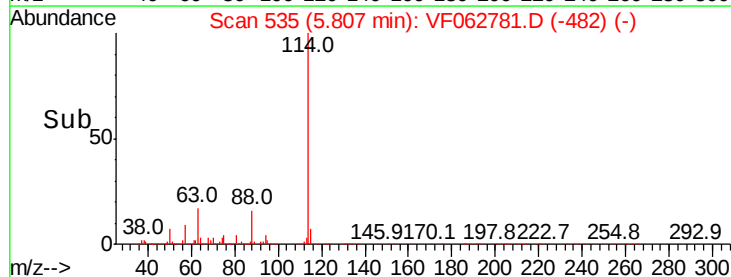
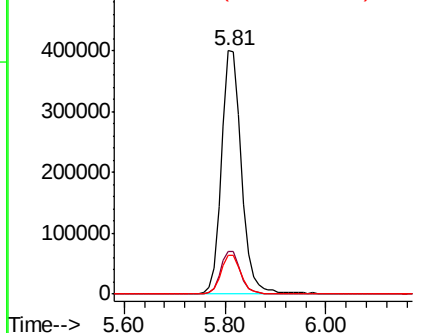
88 16.2 0.0 32.4

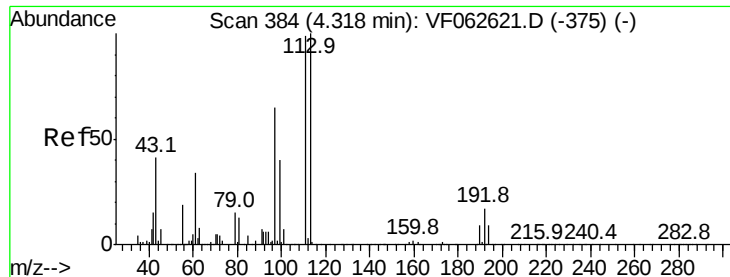


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 51.803 ug/l

RT: 4.35 min Scan# 387

Delta R.T. 0.03 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

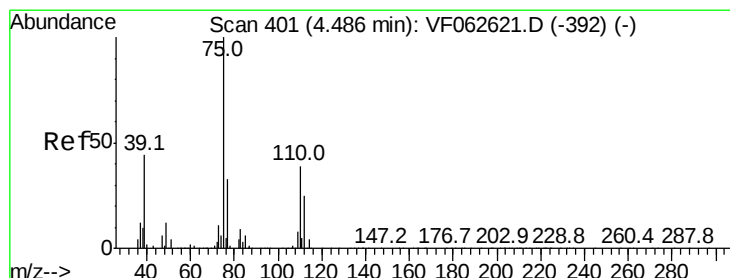
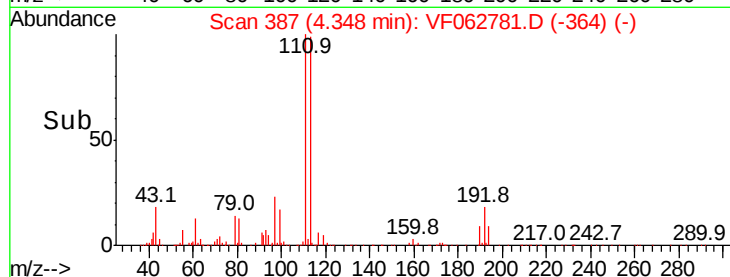
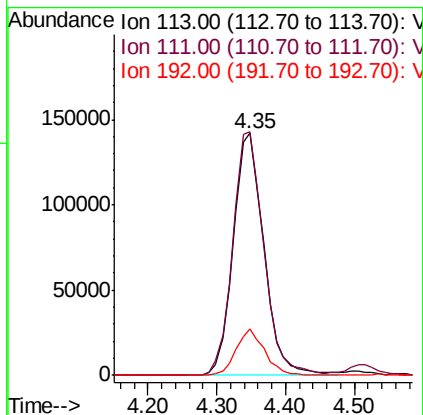
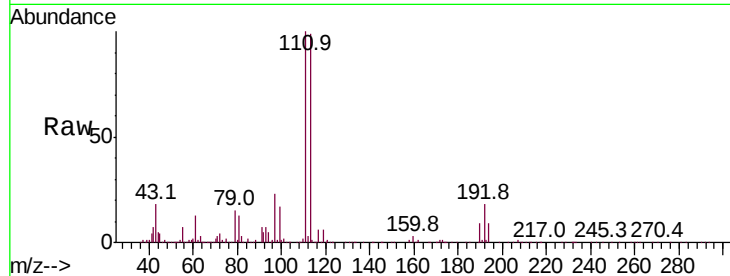
ClientSampleId :

VF0529SBS03

Tot Ion:	113	Resp:	438782
Ion Ratio	Lower	Upper	
113	100		
111	100.7	79.4	119.2
192	19.2	13.4	20.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.690 ug/l

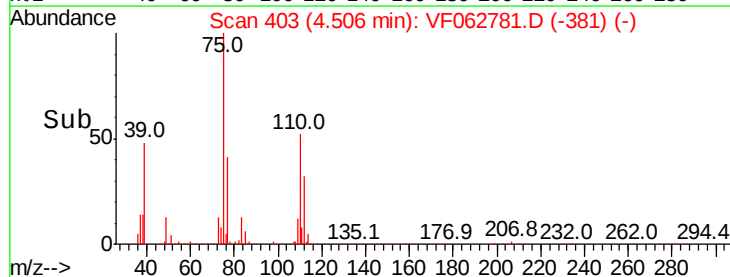
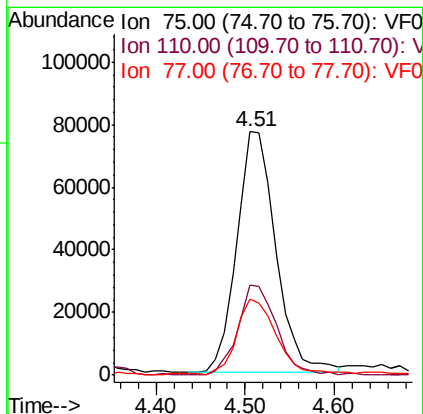
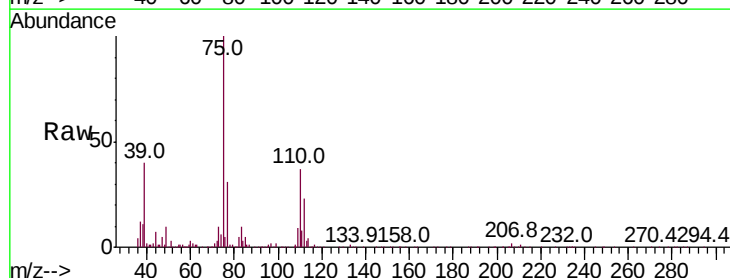
RT: 4.51 min Scan# 403

Delta R.T. 0.02 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Tgt Ion:	75	Resp:	234680
Ion Ratio	Lower	Upper	
75	100		
110	36.9	19.7	59.1
77	31.2	26.3	39.5





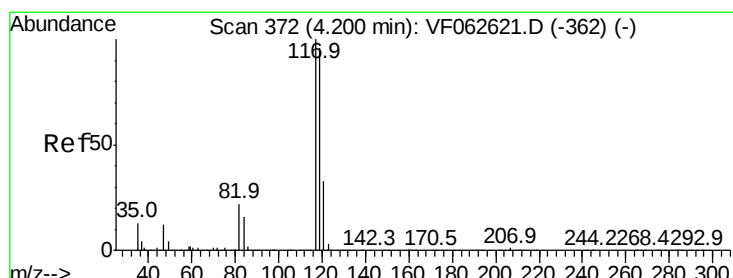
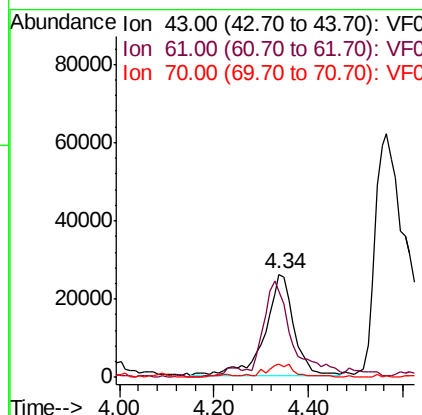
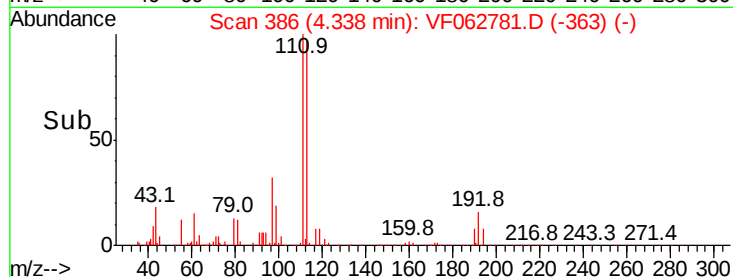
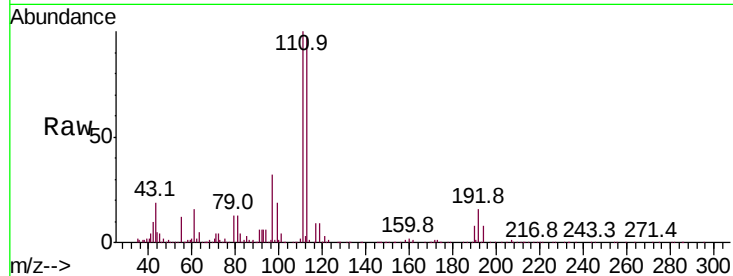
#37
Ethyl Acetate
Concen: 23.173 ug/l
RT: 4.34 min Scan# 386
Delta R.T. 0.03 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	83.4	76.9	115.3
70	12.7	8.8	13.2

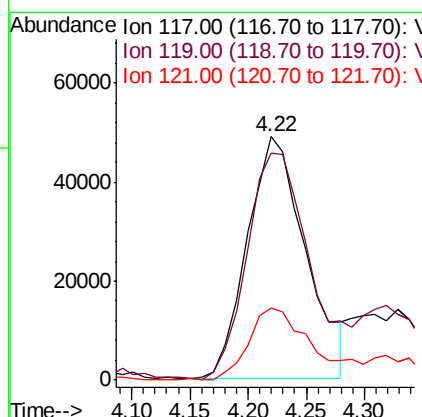
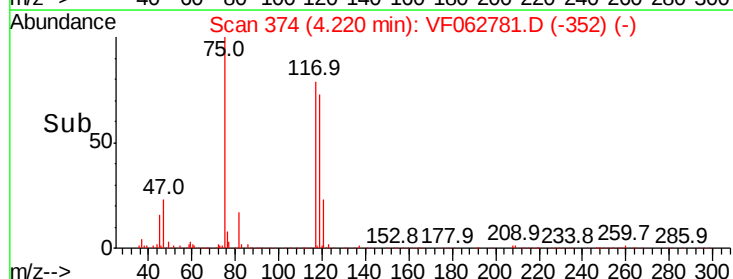
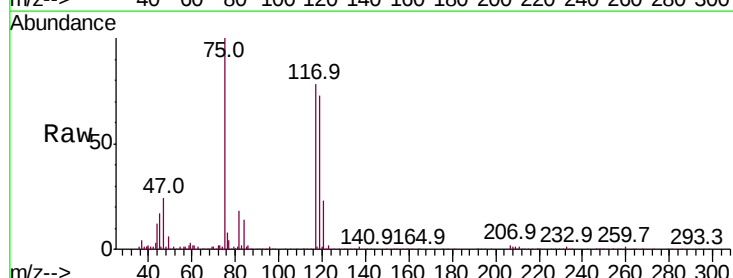
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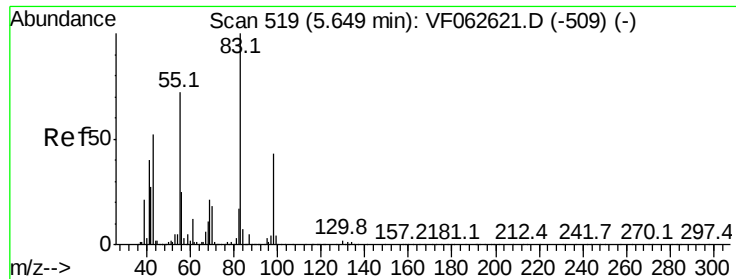
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#38
Carbon Tetrachloride
Concen: 20.039 ug/l
RT: 4.22 min Scan# 374
Delta R.T. 0.02 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	76.7	115.1
121	29.6	26.6	40.0





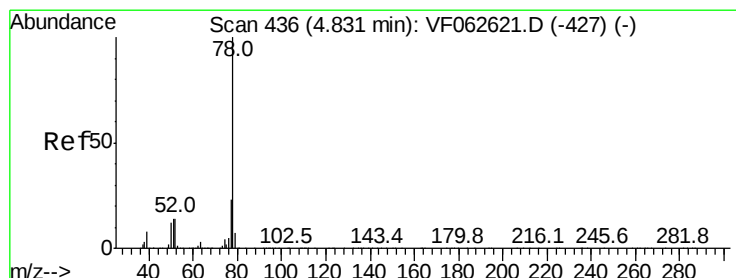
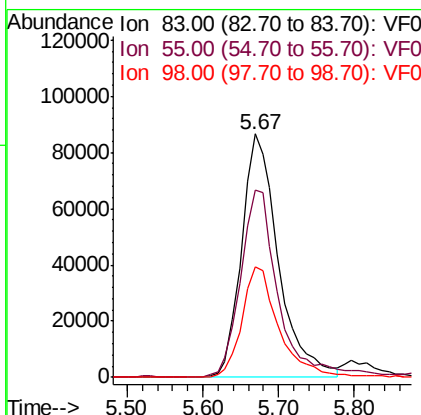
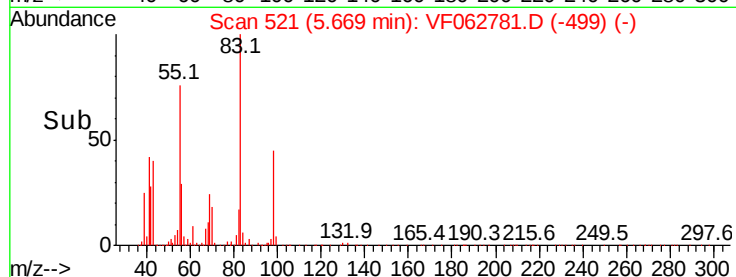
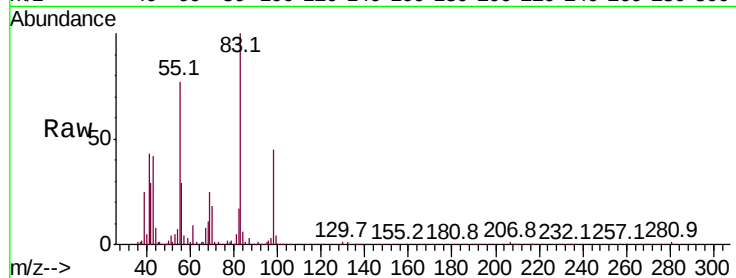
#39
Methylcyclohexane
Concen: 21.509 ug/l
RT: 5.67 min Scan# 521
Delta R.T. 0.02 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion	Ratio	Resp Lower	Resp Upper
83	100		
55	76.8	57.9	86.9
98	45.2	34.6	52.0

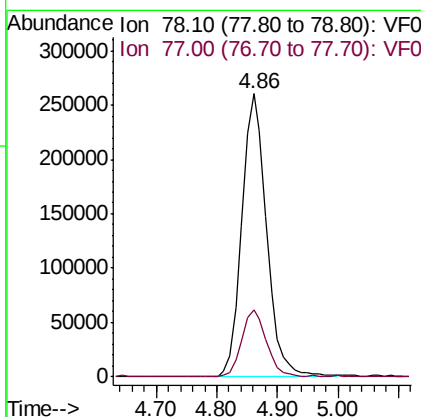
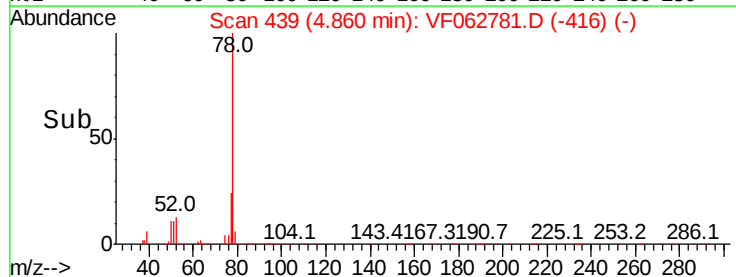
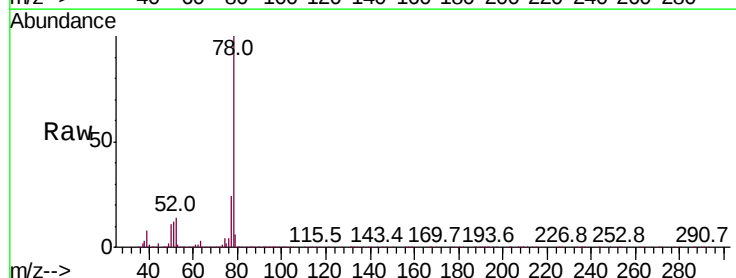
Manual Integrations
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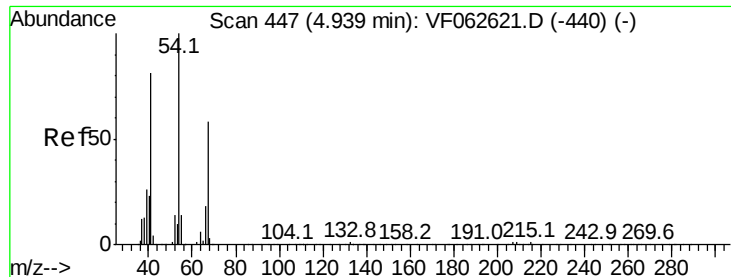
mmdadoda
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#40
Benzene
Concen: 23.900 ug/l
RT: 4.86 min Scan# 439
Delta R.T. 0.03 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
78	100		
77	23.9	18.2	27.2





#41

Methacrylonitrile

Concen: 21.417 ug/l

RT: 4.97 min Scan# 450

Delta R.T. 0.03 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

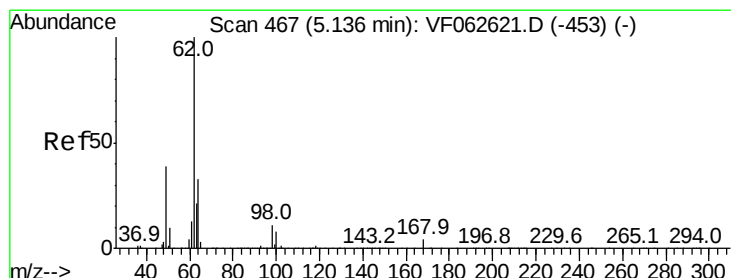
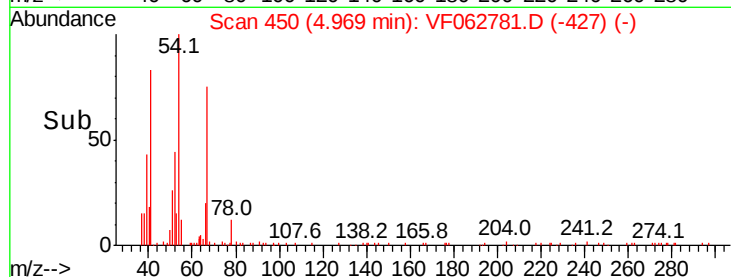
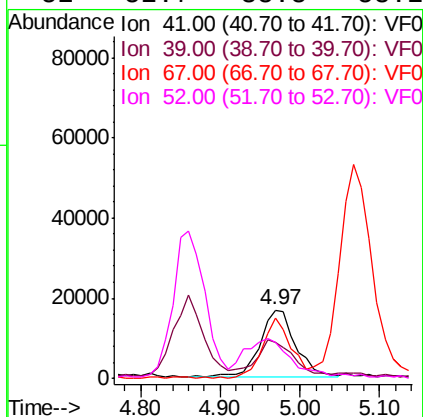
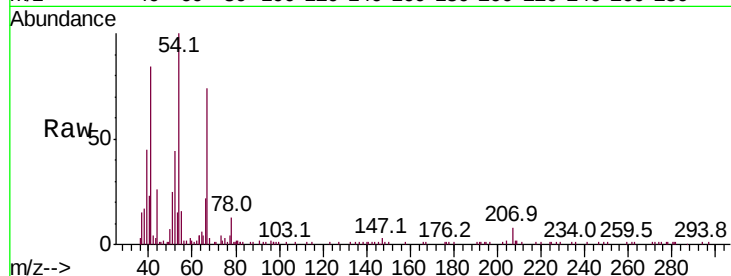
ClientSampleId :

VF0529SBS03

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.6	42.2	63.2	
67	88.6	56.4	84.6	
52	52.7	38.8	58.2	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.060 ug/l

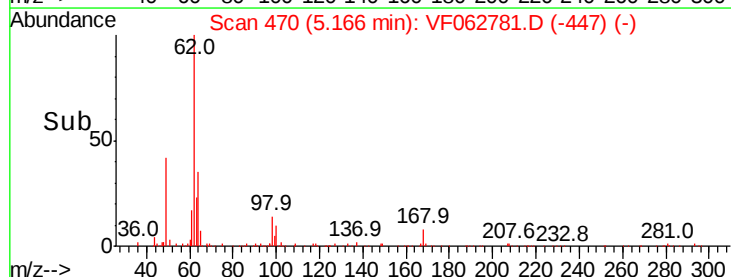
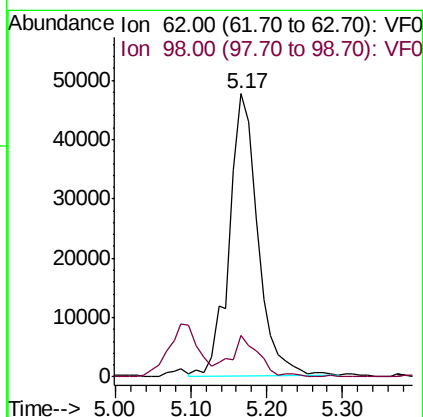
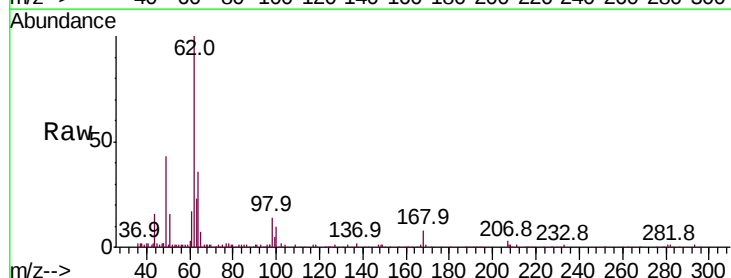
RT: 5.17 min Scan# 470

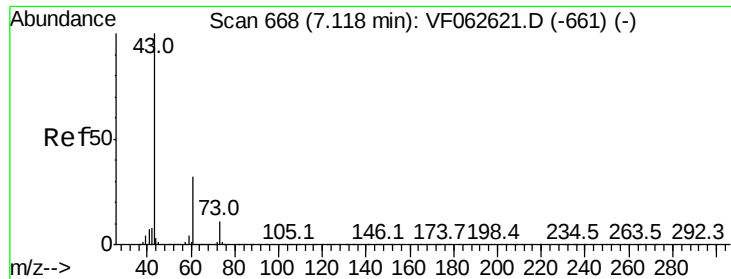
Delta R.T. 0.03 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	14.5	0.0	21.6	





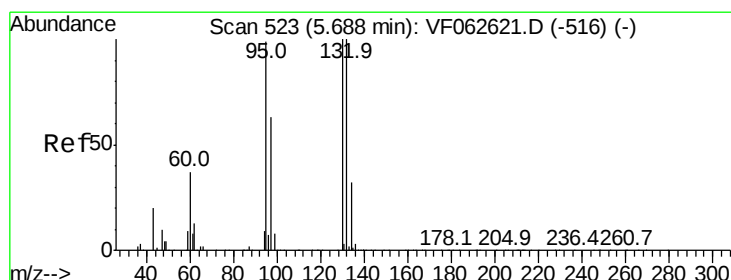
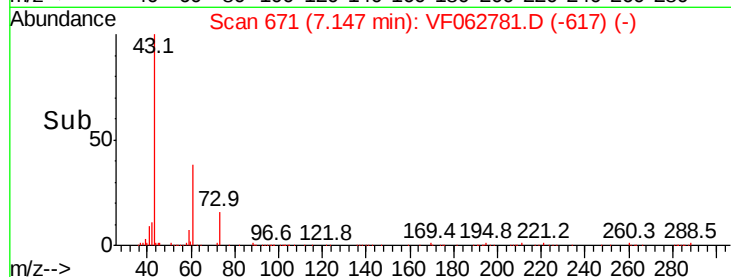
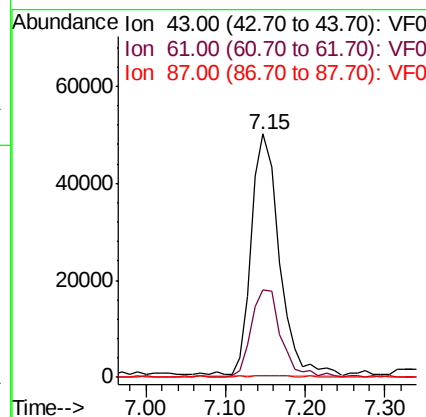
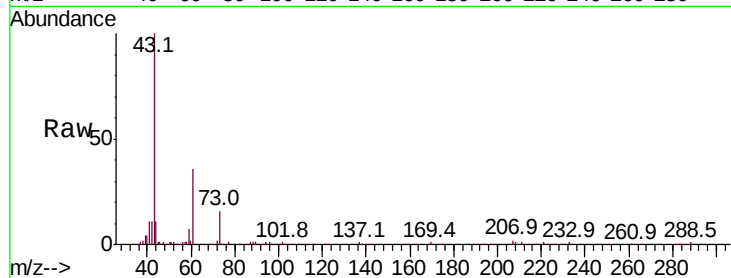
#43
Isopropyl Acetate
Concen: 20.184 ug/l
RT: 7.15 min Scan# 671
Delta R.T. 0.03 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	35.9	25.8	38.8
87	0.9	0.4	0.6

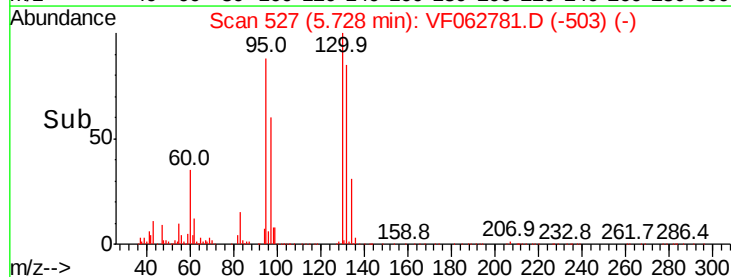
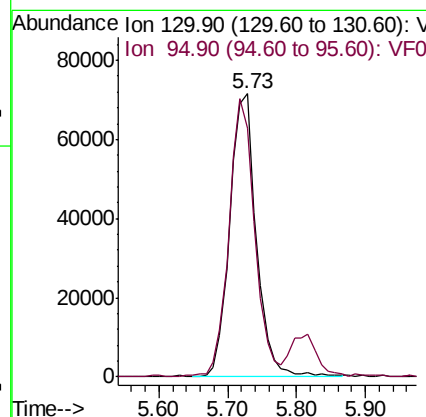
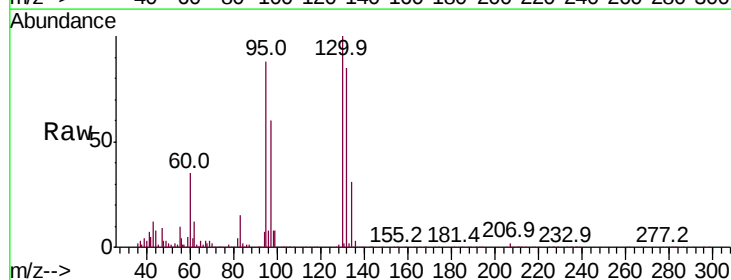
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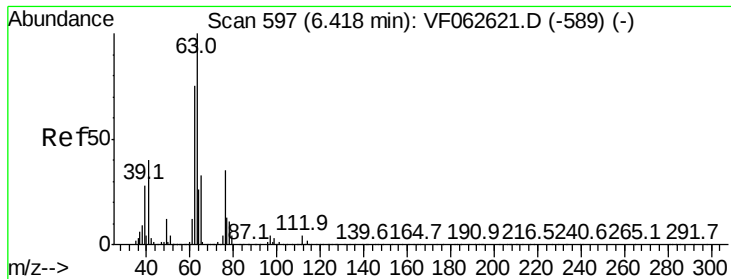
mmdadoda
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#44
Trichloroethene
Concen: 22.020 ug/l
RT: 5.73 min Scan# 527
Delta R.T. 0.04 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	87.8	0.0	199.4





#45

1,2-Dichloropropane

Concen: 23.415 ug/l

RT: 6.45 min Scan# 600

Delta R.T. 0.03 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

Tot Ion: 63 Resp: 182646

Ion Ratio Lower Upper

63 100

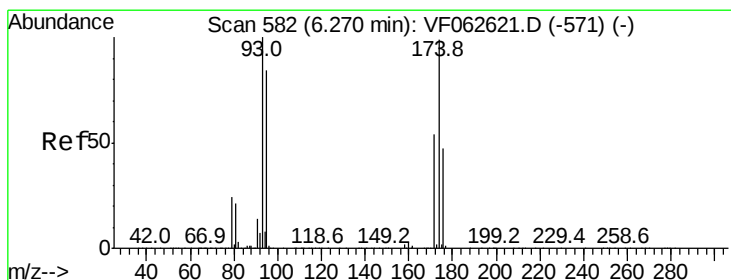
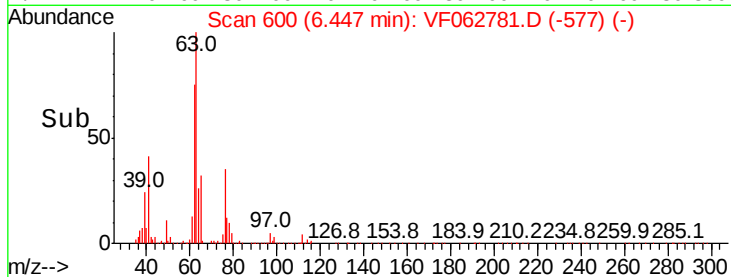
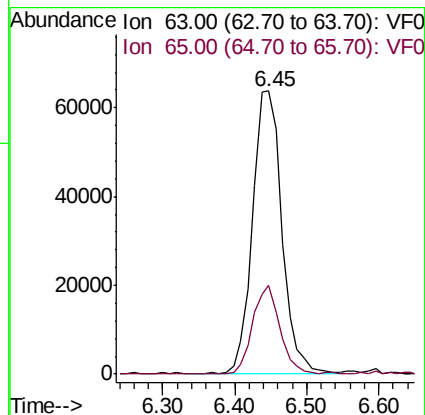
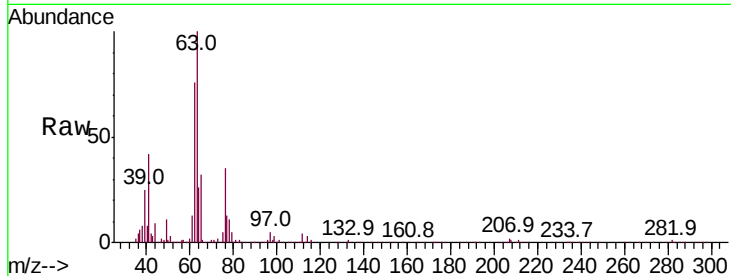
65 31.6 26.3 39.5

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#46

Dibromomethane

Concen: 22.420 ug/l

RT: 6.30 min Scan# 585

Delta R.T. 0.03 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

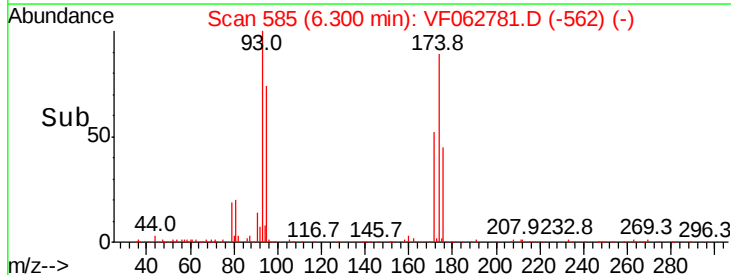
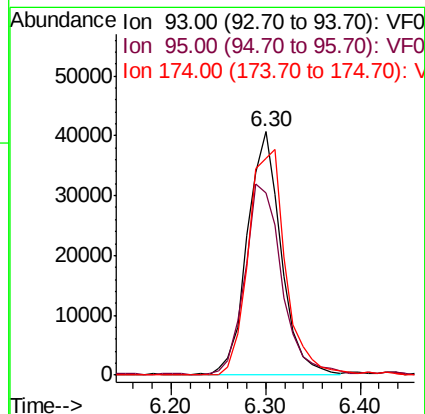
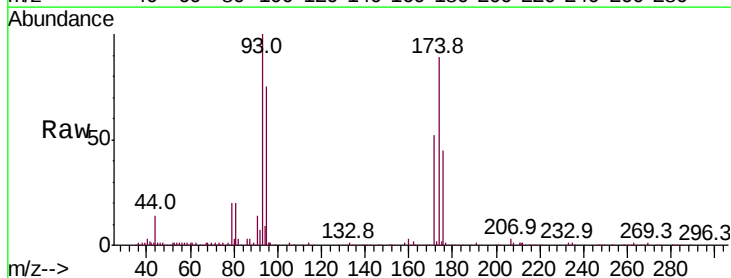
Tgt Ion: 93 Resp: 101071

Ion Ratio Lower Upper

93 100

95 74.6 67.4 101.2

174 89.0 79.4 119.2





#47

Bromodichloromethane

Concen: 22.498 ug/l

RT: 6.59 min Scan# 614

Delta R.T. 0.02 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

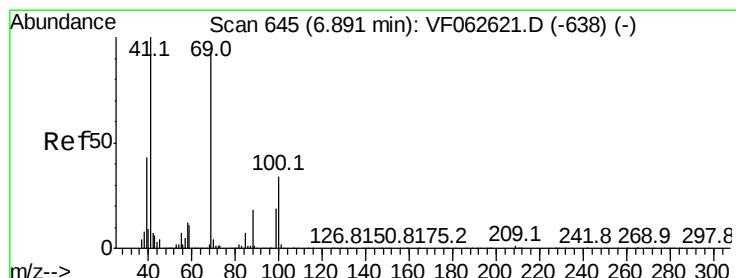
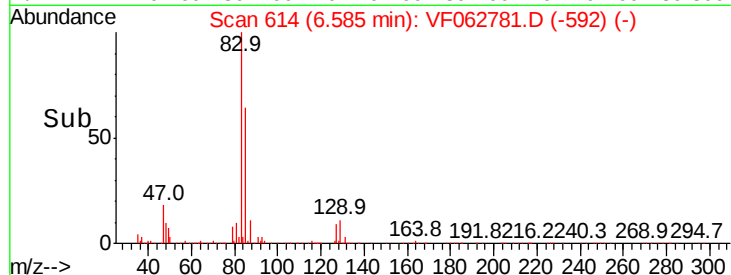
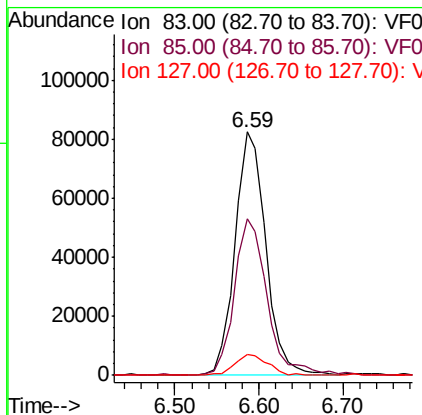
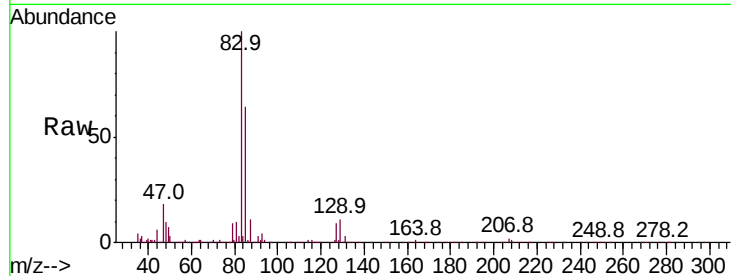
ClientSampleId :

VF0529SBS03

Tot Ion:	83	Resp:	210549
Ion Ratio	Lower	Upper	
83	100		
85	64.2	52.0	78.0
127	8.6	7.7	11.5

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#48

Methyl methacrylate

Concen: 19.174 ug/l

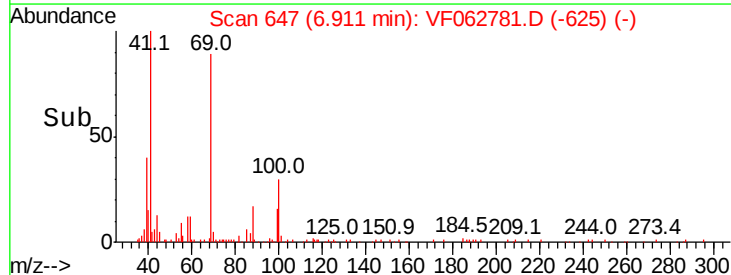
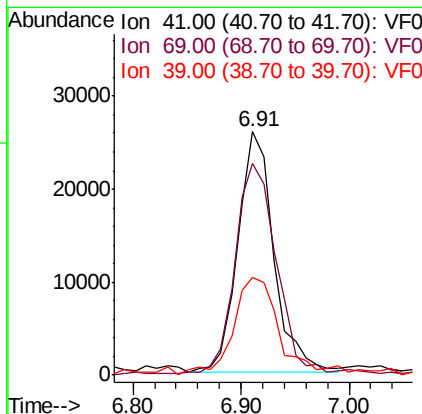
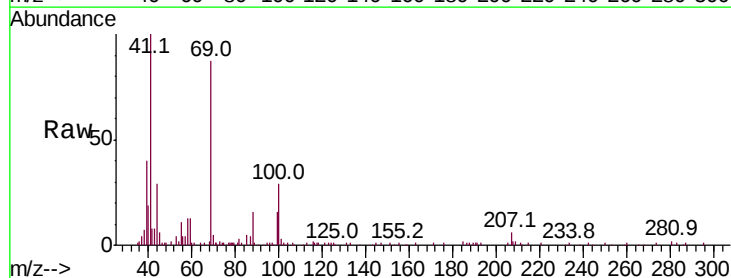
RT: 6.91 min Scan# 647

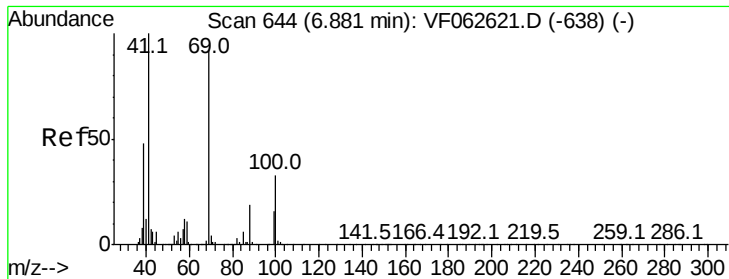
Delta R.T. 0.02 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Tgt Ion:	41	Resp:	60129
Ion Ratio	Lower	Upper	
41	100		
69	87.0	74.2	111.2
39	40.0	34.2	51.4





#49

1,4-Dioxane

Concen: 363.738 ug/l

RT: 6.91 min Scan# 647

Delta R.T. 0.03 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

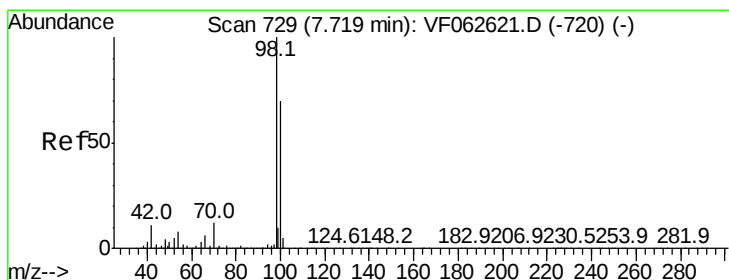
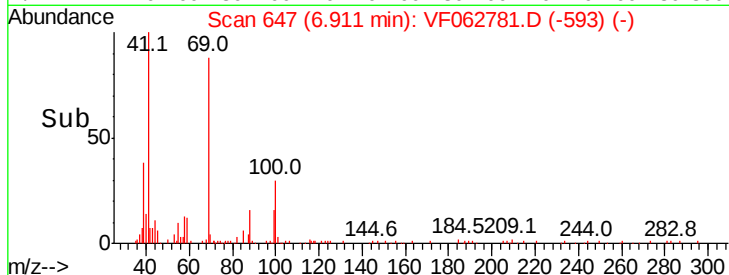
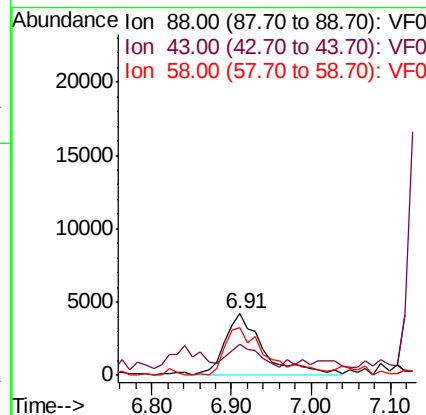
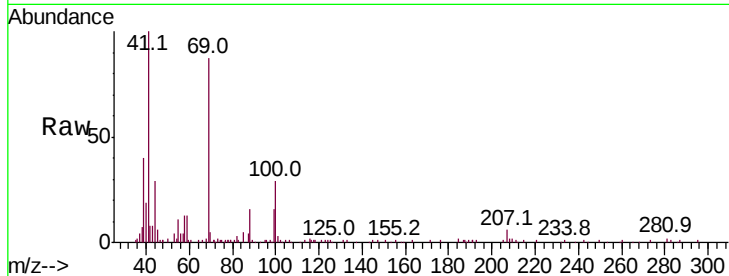
ClientSampleId :

VF0529SBS03

Tot Ion:	88	Resp:	14610
Ion Ratio	Lower	Upper	
88	100		
43	51.4	30.0	45.0#
58	78.3	51.1	76.7#

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#50

Toluene-d8

Concen: 49.324 ug/l

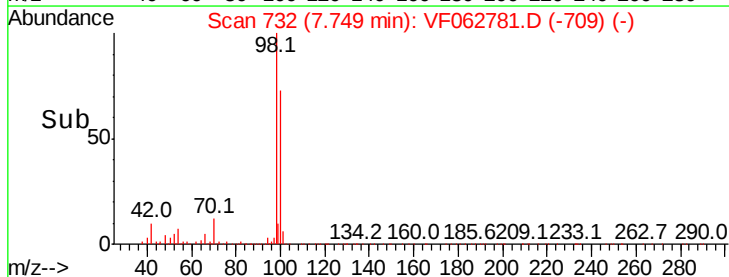
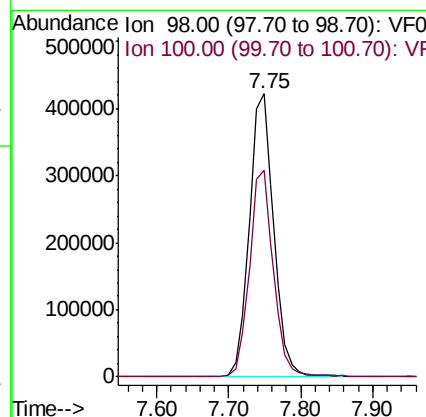
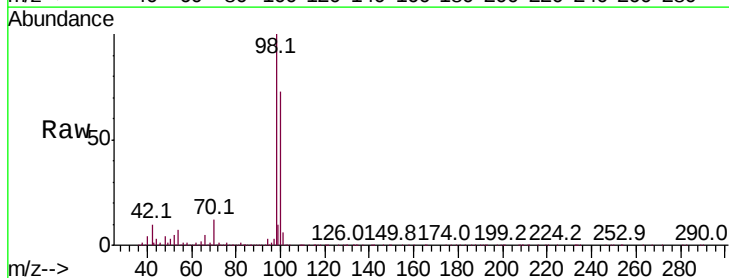
RT: 7.75 min Scan# 732

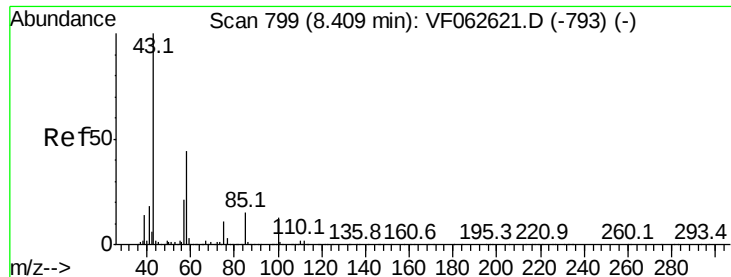
Delta R.T. 0.03 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Tgt Ion:	98	Resp:	997515
Ion Ratio	Lower	Upper	
98	100		
100	73.0	56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 115.125 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.03 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

Tot Ion: 43 Resp: 472147

Ion Ratio Lower Upper

43 100

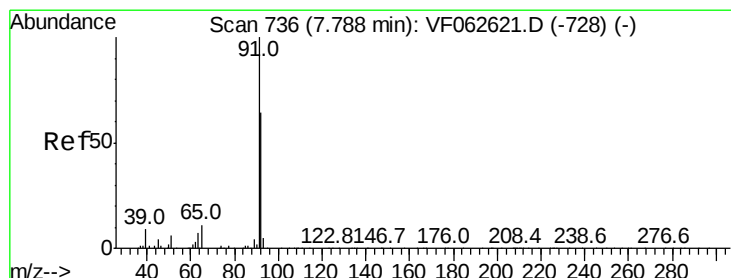
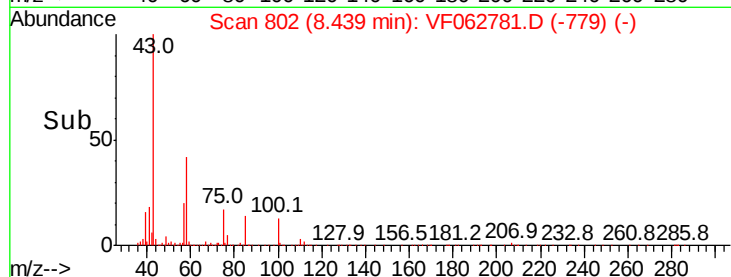
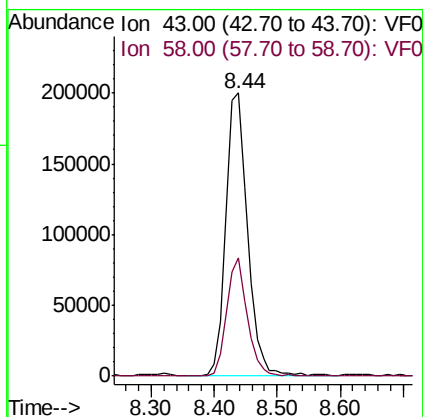
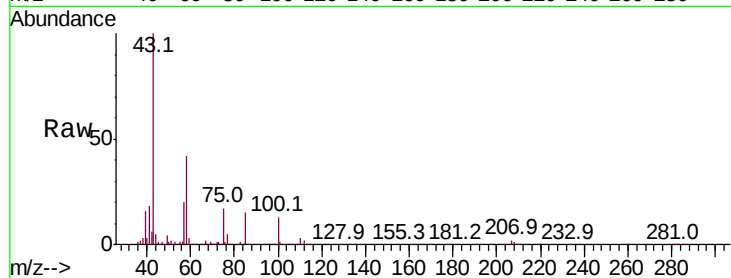
58 41.9 34.9 52.3

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#52

Toluene

Concen: 23.017 ug/l

RT: 7.82 min Scan# 739

Delta R.T. 0.03 min

Lab File: VF062781.D

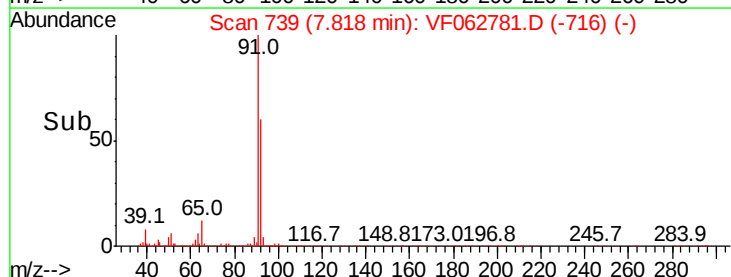
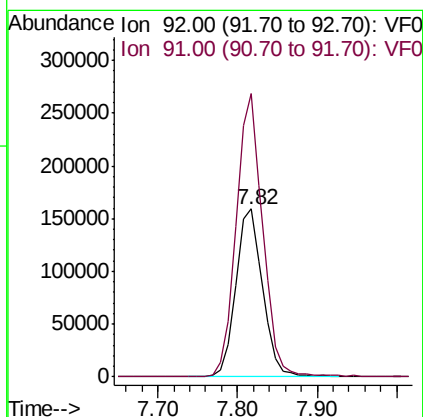
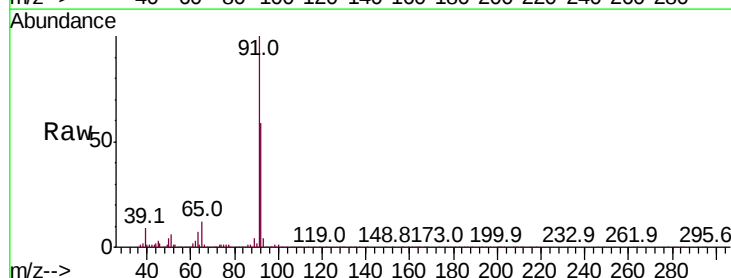
Acq: 29 May 2019 14:41

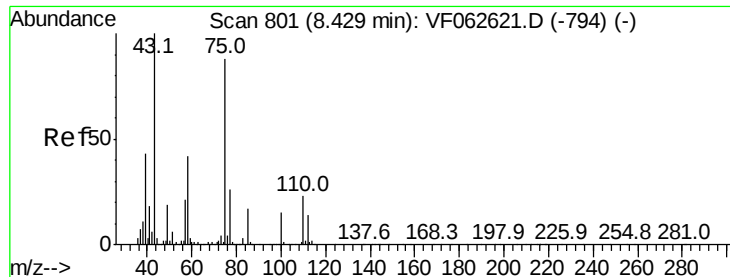
Tgt Ion: 92 Resp: 372998

Ion Ratio Lower Upper

92 100

91 168.4 125.4 188.0





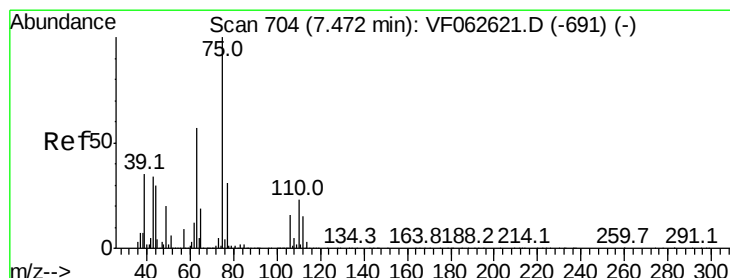
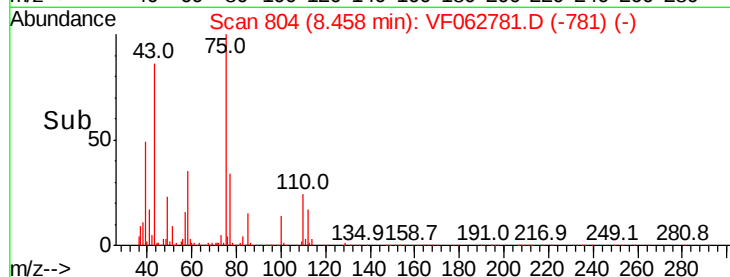
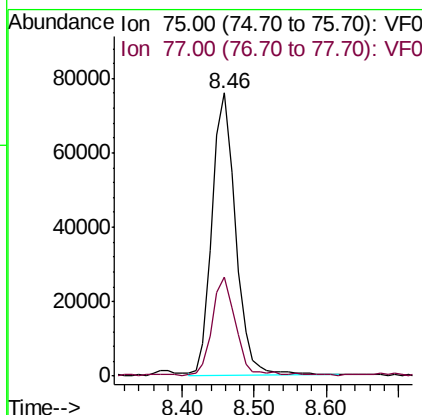
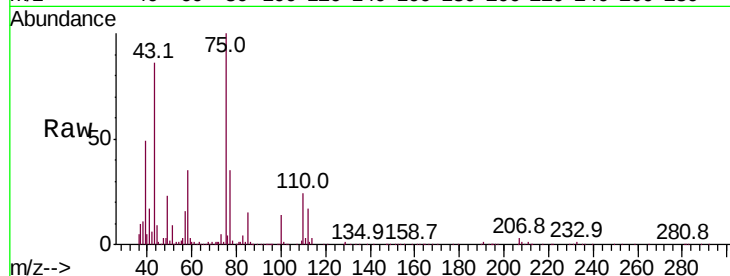
#53
t-1,3-Dichloropropene
Concen: 22.458 ug/l
RT: 8.46 min Scan# 804
Delta R.T. 0.03 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.9	24.2	36.4

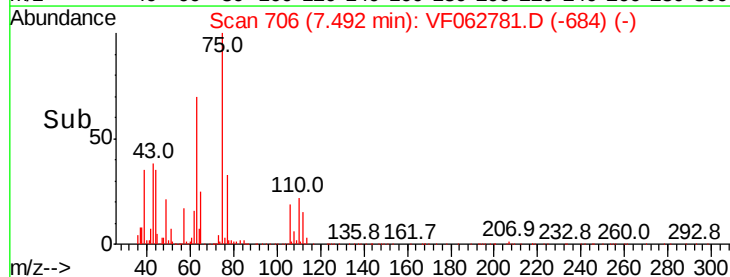
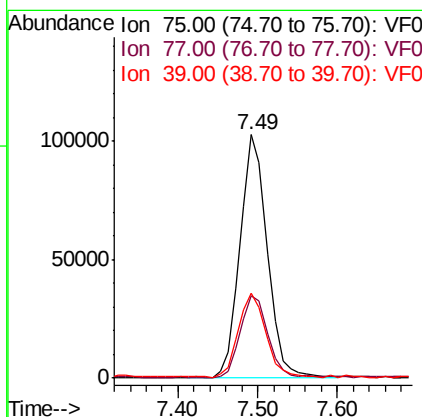
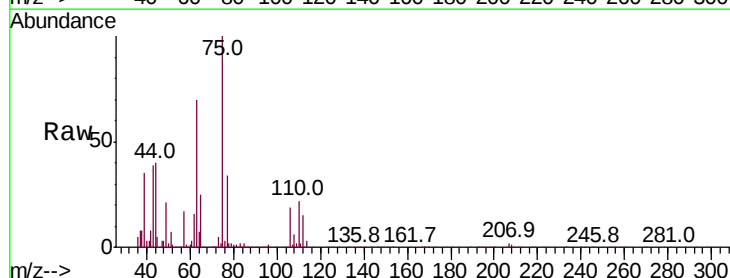
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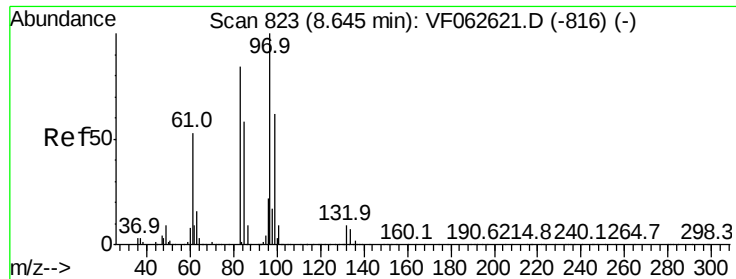
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#54
cis-1,3-Dichloropropene
Concen: 22.722 ug/l
RT: 7.49 min Scan# 706
Delta R.T. 0.02 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.7	25.3	37.9
39	35.1	28.2	42.2





#55

1,1,2-Trichloroethane

Concen: 23.513 ug/l

RT: 8.67 min Scan# 825

Delta R.T. 0.02 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

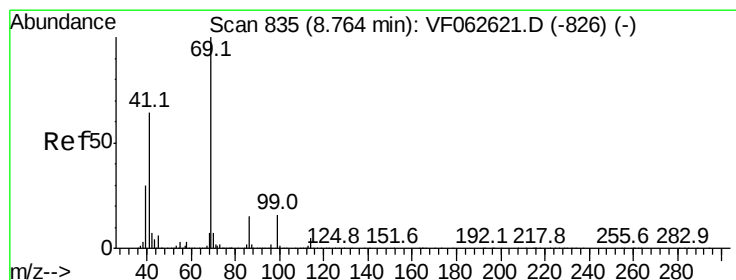
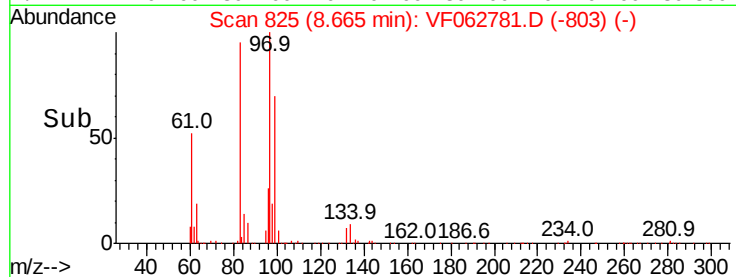
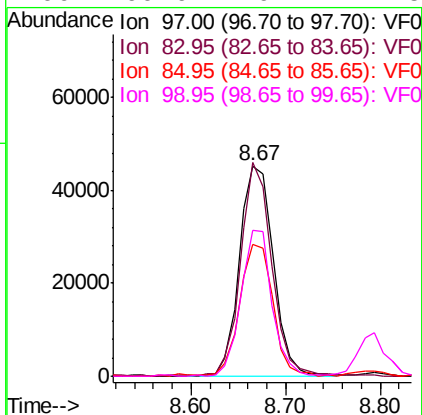
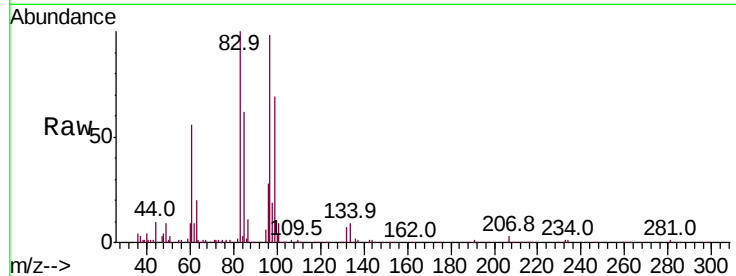
ClientSampleId :

VF0529SBS03

Tot Ion	Ratio	Resp	Lower	Upper
97	100			
83	101.6	67.3	100.9	
85	62.7	46.6	69.8	
99	69.6	49.7	74.5	

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#56

Ethyl methacrylate

Concen: 20.463 ug/l

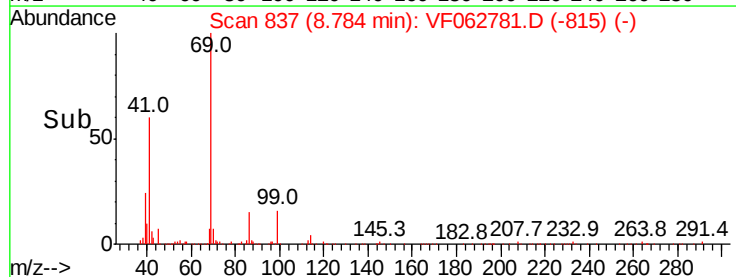
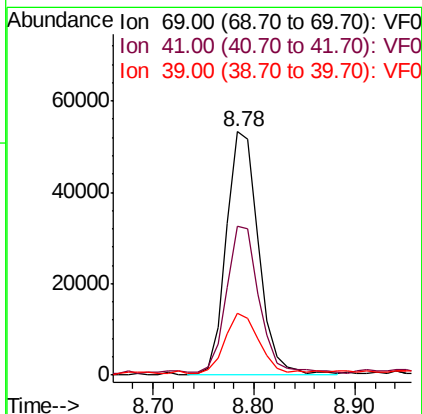
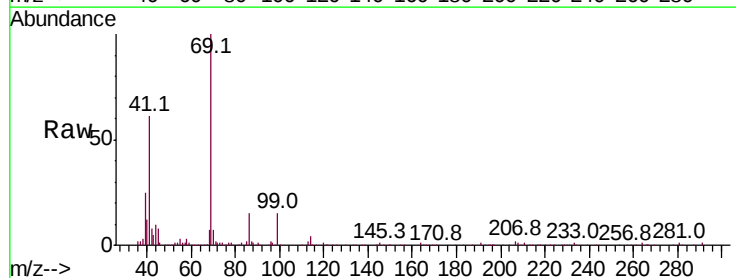
RT: 8.78 min Scan# 837

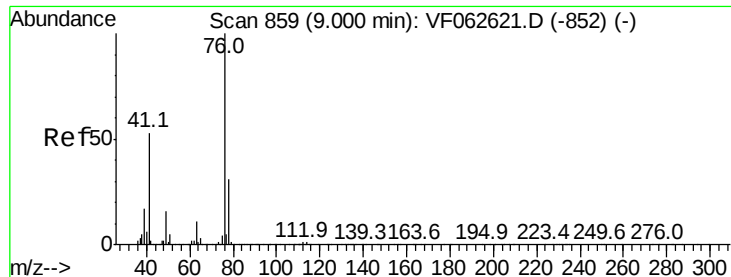
Delta R.T. 0.02 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
69	100			
41	61.1	51.4	77.2	
39	25.4	23.6	35.4	





#57

1,3-Dichloropropane

Concen: 23.235 ug/l

RT: 9.03 min Scan# 862

Delta R.T. 0.03 min

Lab File: VF062781.D

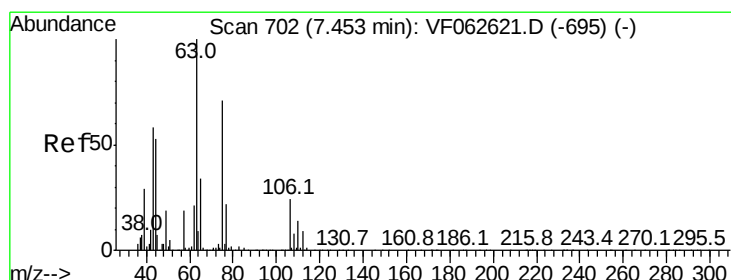
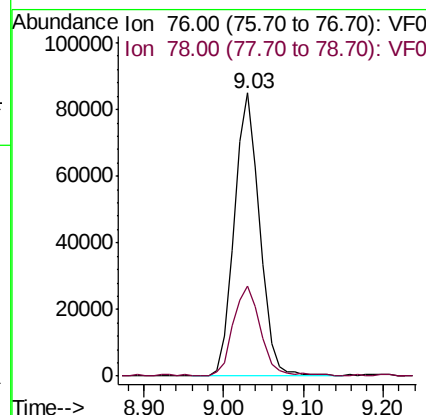
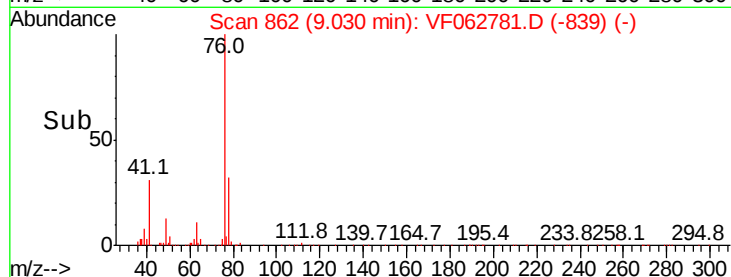
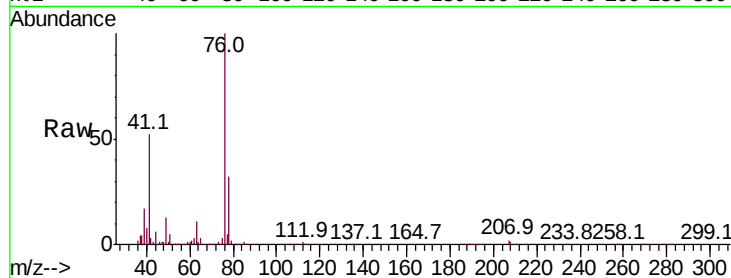
Acq: 29 May 2019 14:41

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.4	38.0

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#58

2-Chloroethyl Vinyl ether

Concen: 108.797 ug/l

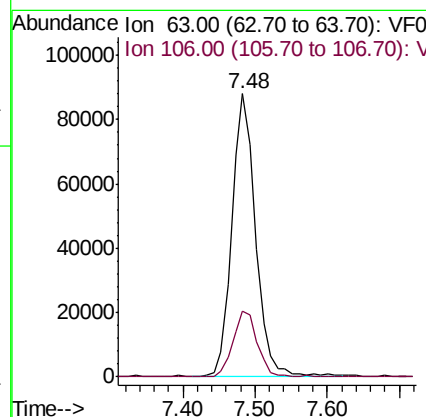
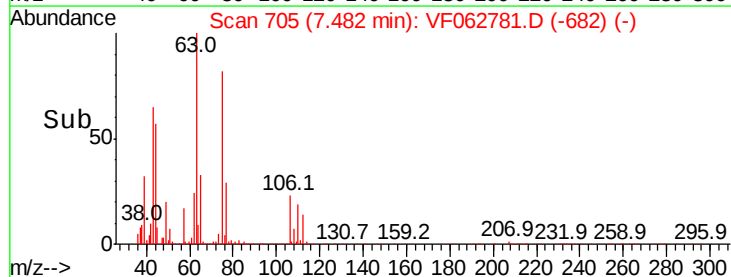
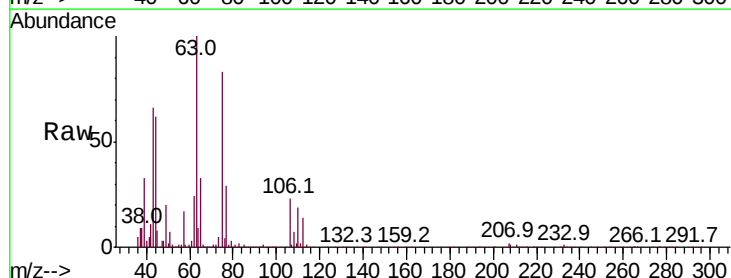
RT: 7.48 min Scan# 705

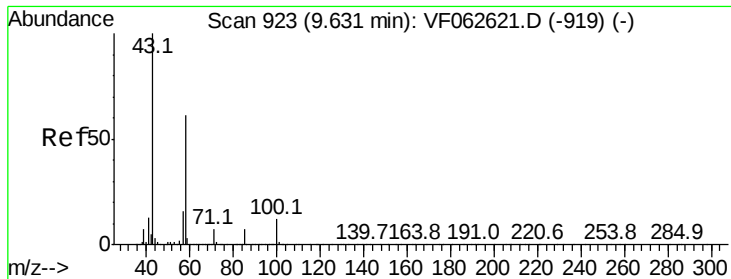
Delta R.T. 0.03 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.0	19.1	28.7





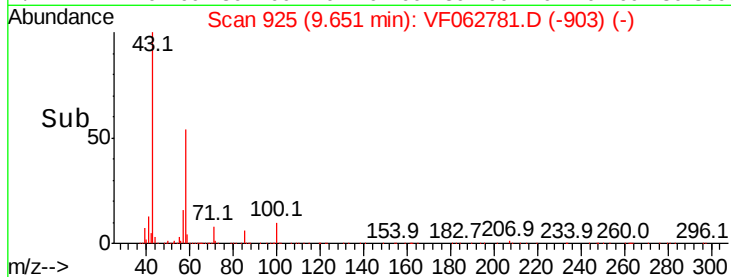
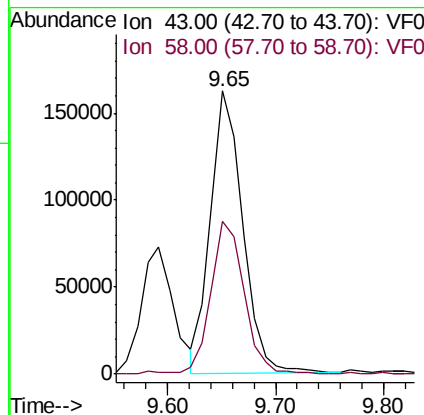
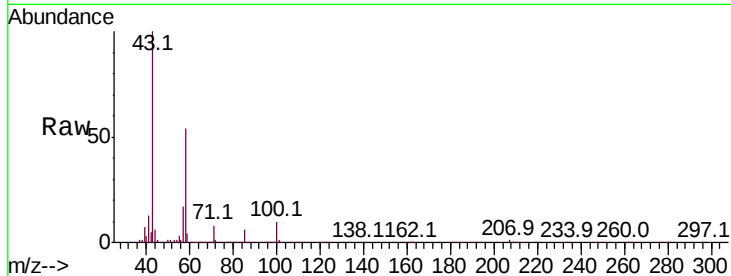
#59
2-Hexanone
Concen: 116.450 ug/l
RT: 9.65 min Scan# 925
Delta R.T. 0.02 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion: 43 Resp: 336128
Ion Ratio Lower Upper
43 100
58 53.8 28.1 84.4

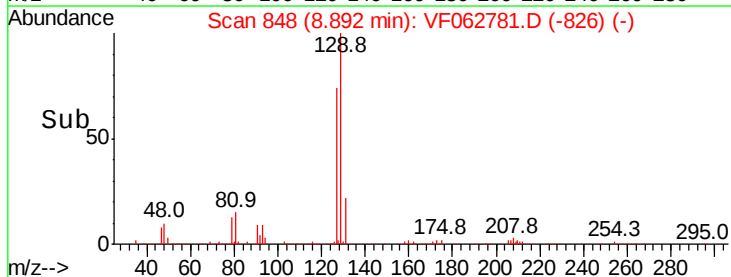
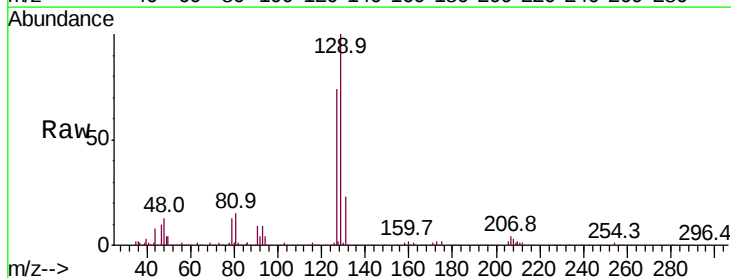
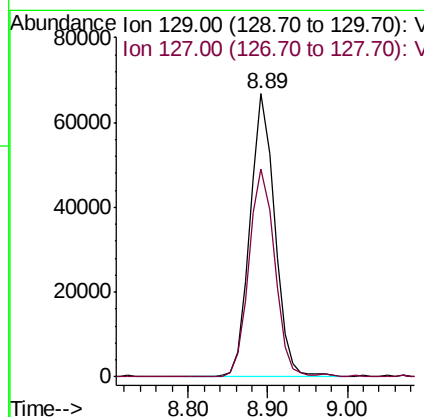
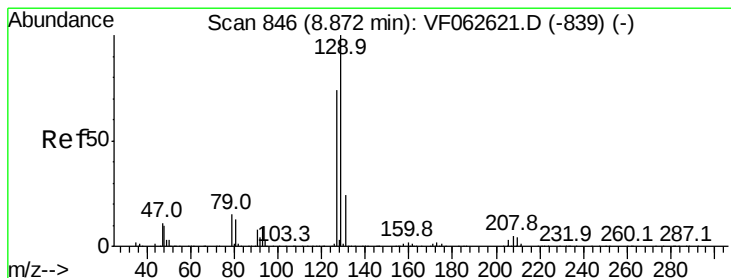
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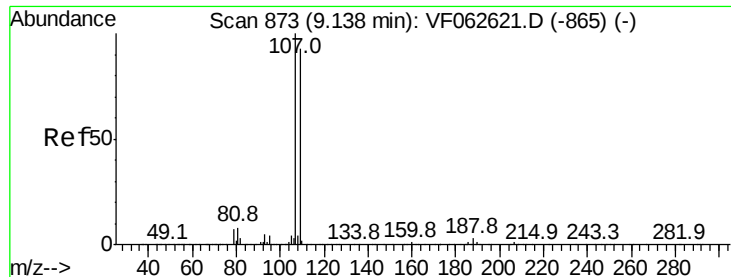
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#60
Dibromochloromethane
Concen: 22.819 ug/l
RT: 8.89 min Scan# 848
Delta R.T. 0.02 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Tgt Ion: 129 Resp: 142701
Ion Ratio Lower Upper
129 100
127 73.5 37.2 111.6





#61

1,2-Dibromoethane

Concen: 23.231 ug/l

RT: 9.17 min Scan# 876

Delta R.T. 0.03 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

Tot Ion: 107 Resp: 118395

Ion Ratio Lower Upper

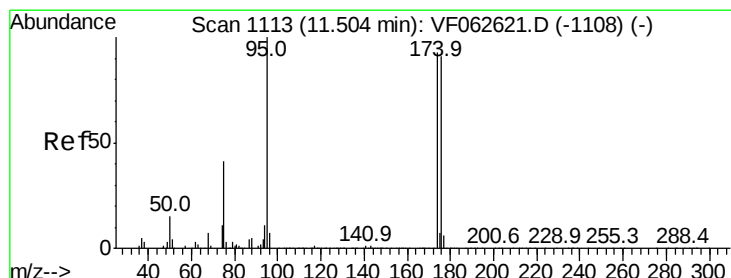
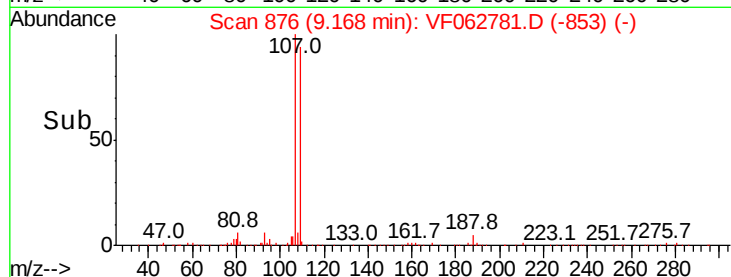
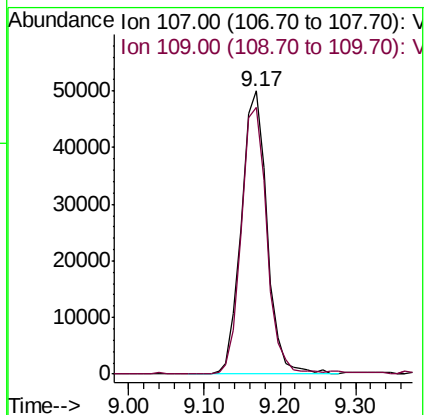
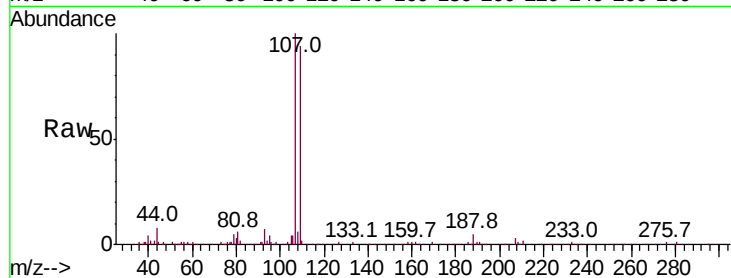
107 100

109 94.3 74.8 112.2

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#62

4-Bromofluorobenzene

Concen: 50.108 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

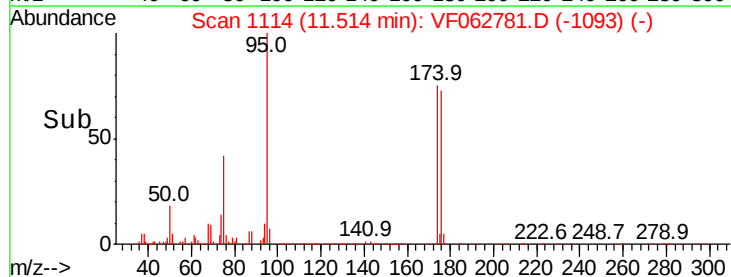
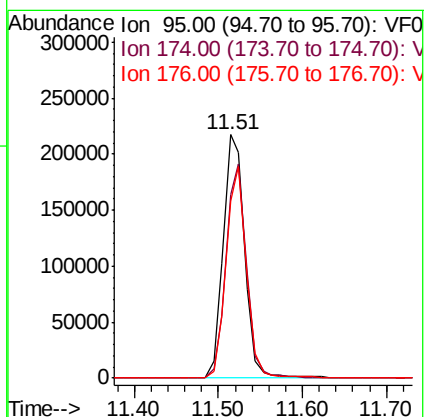
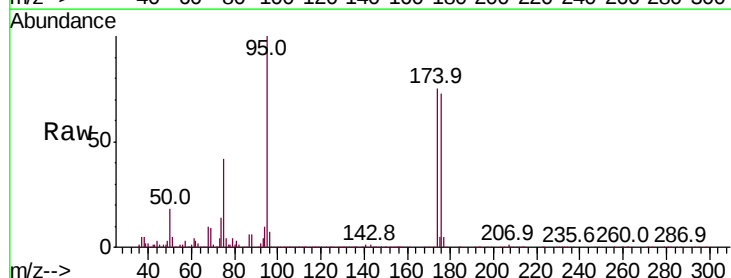
Tgt Ion: 95 Resp: 384337

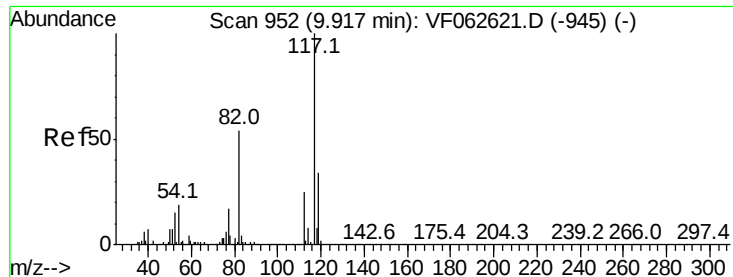
Ion Ratio Lower Upper

95 100

174 75.2 0.0 185.6

176 72.7 0.0 182.4





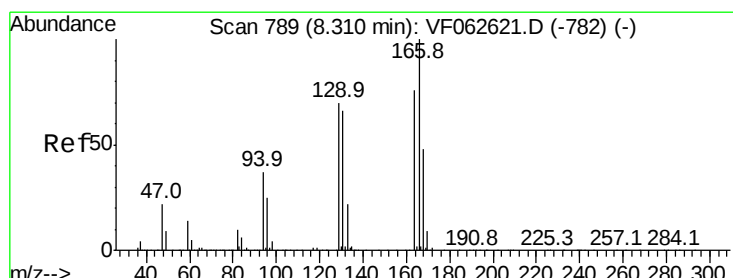
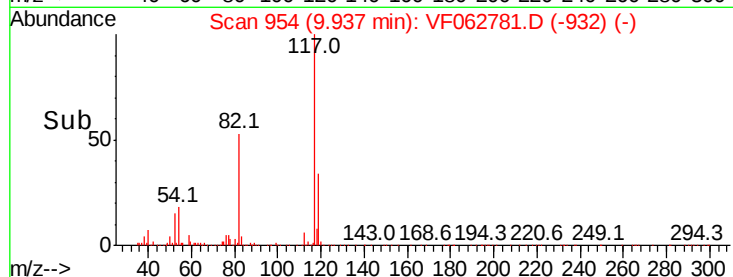
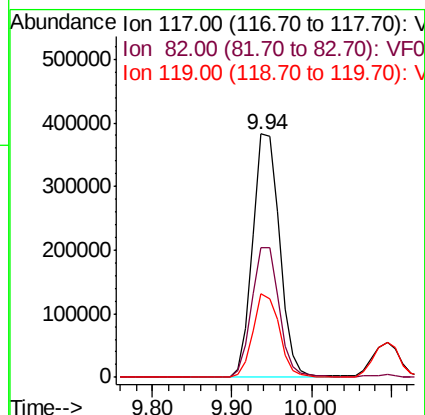
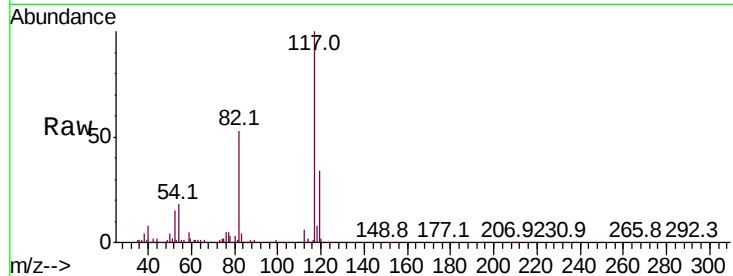
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.02 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion	Ratio	Resp	Lower	Upper
117	100	891263		
82	53.4	43.3	64.9	
119	34.2	27.4	41.0	

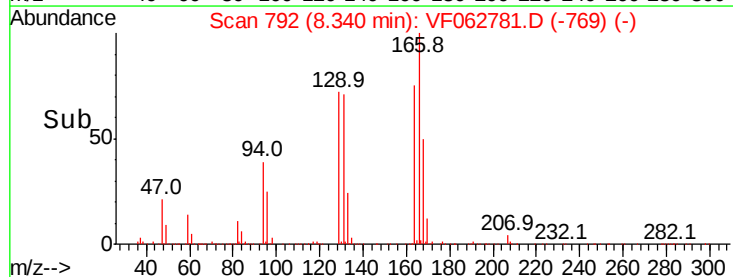
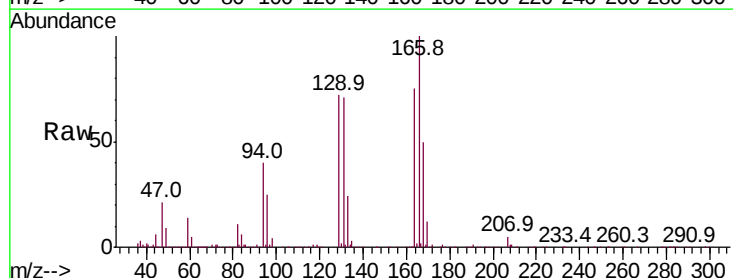
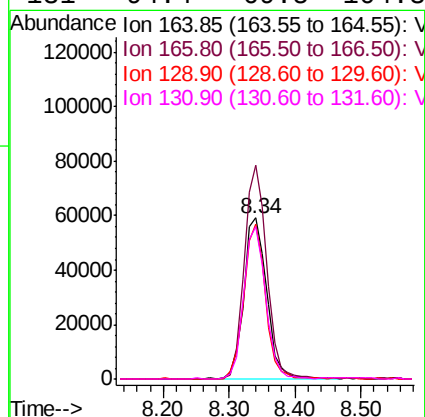
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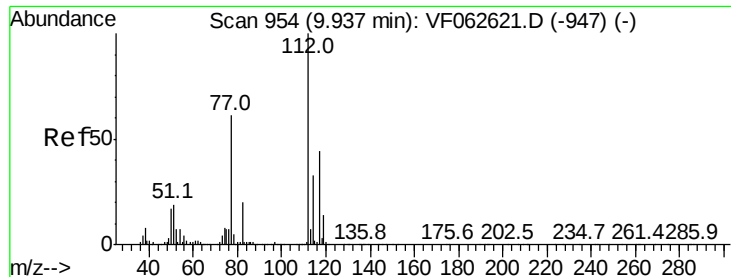
mmdadoda
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#64
Tetrachloroethene
Concen: 20.708 ug/l
RT: 8.34 min Scan# 792
Delta R.T. 0.03 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	146219		
166	132.6	105.5	158.3	
129	96.1	73.8	110.6	
131	94.4	69.5	104.3	





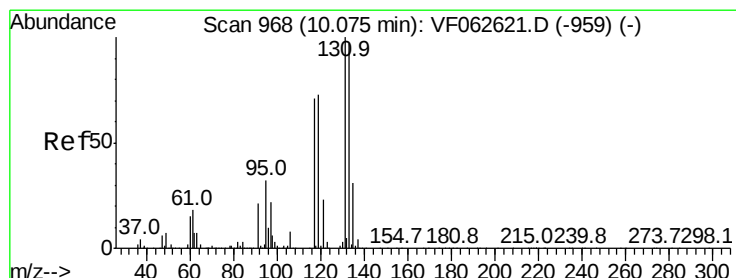
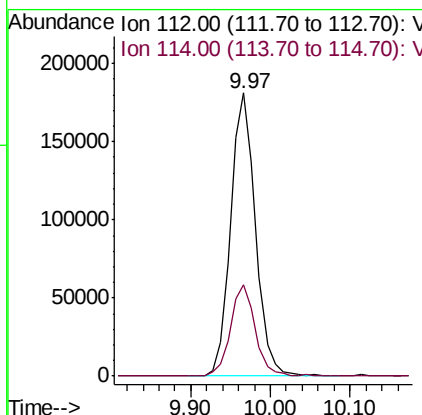
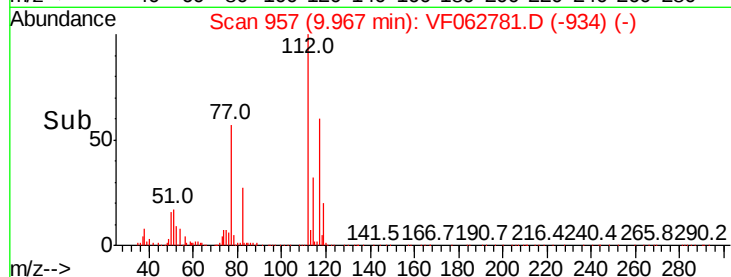
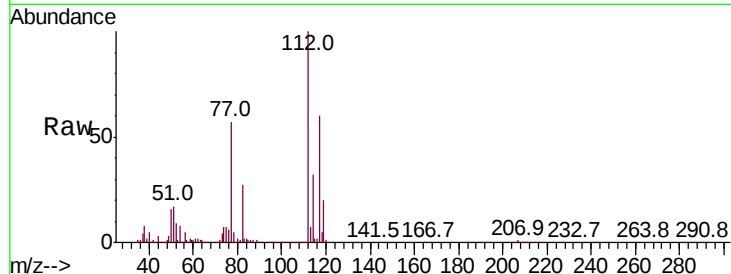
#65
Chlorobenzene
Concen: 22.630 ug/l
RT: 9.97 min Scan# 957
Delta R.T. 0.03 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion:112 Resp: 396150
Ion Ratio Lower Upper
112 100
114 32.5 26.8 40.2

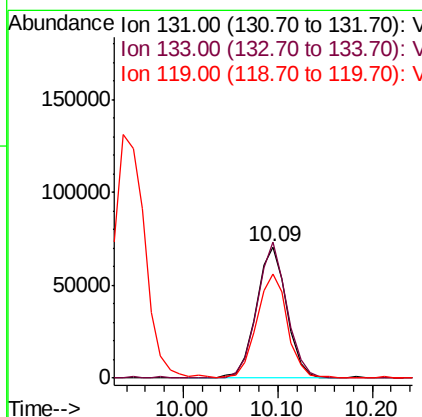
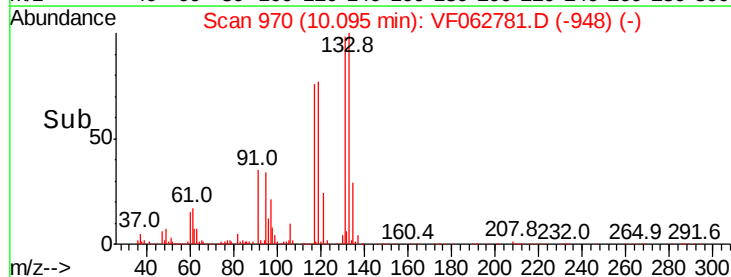
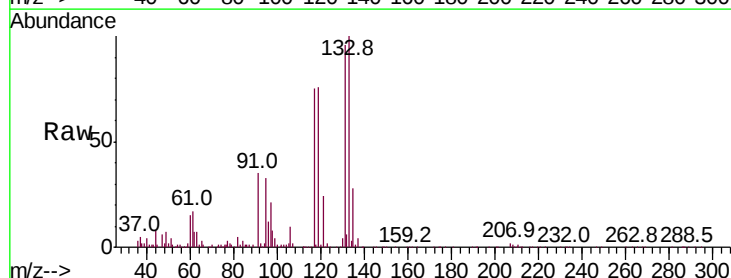
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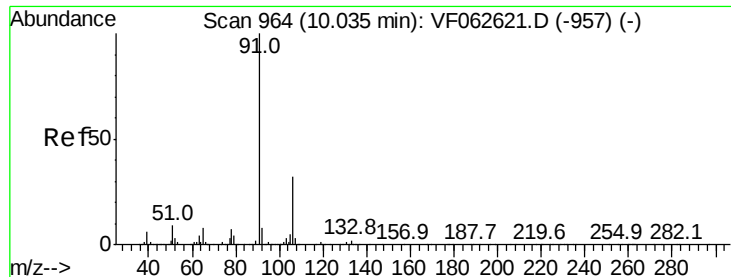
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.499 ug/l
RT: 10.09 min Scan# 970
Delta R.T. 0.02 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Tgt Ion:131 Resp: 158113
Ion Ratio Lower Upper
131 100
133 103.7 48.5 145.5
119 79.0 36.8 110.4





#67

Ethyl Benzene

Concen: 22.328 ug/l

RT: 10.07 min Scan# 967

Delta R.T. 0.03 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

Tot Ion: 91 Resp: 679012

Ion Ratio Lower Upper

91 100

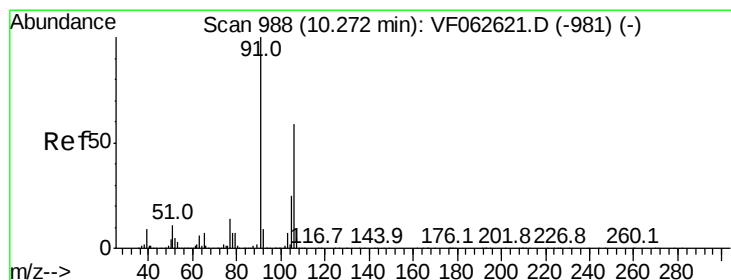
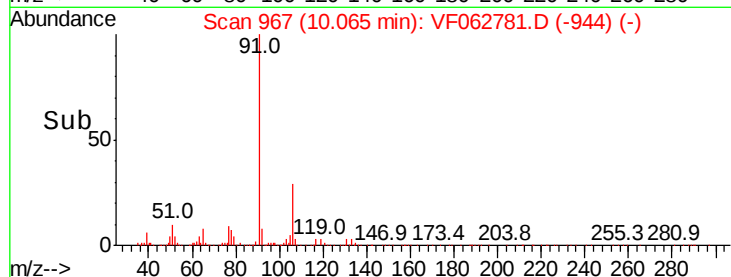
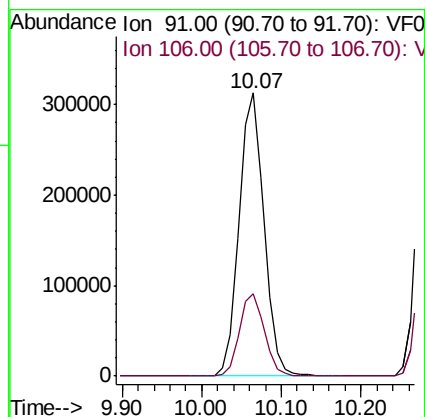
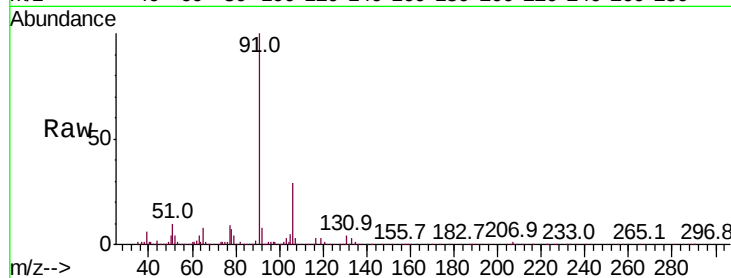
106 28.9 25.8 38.8

Manual Integrations

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#68

m/p-Xylenes

Concen: 45.567 ug/l

RT: 10.29 min Scan# 990

Delta R.T. 0.02 min

Lab File: VF062781.D

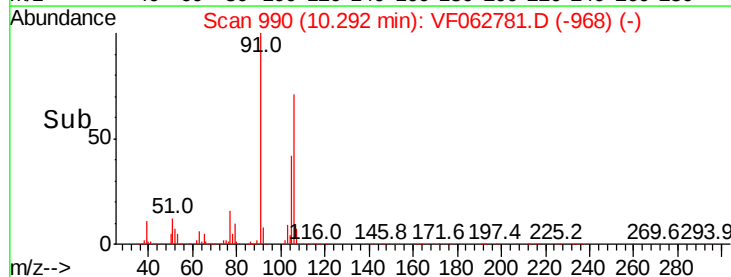
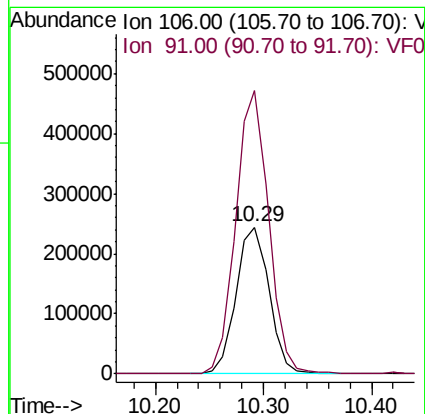
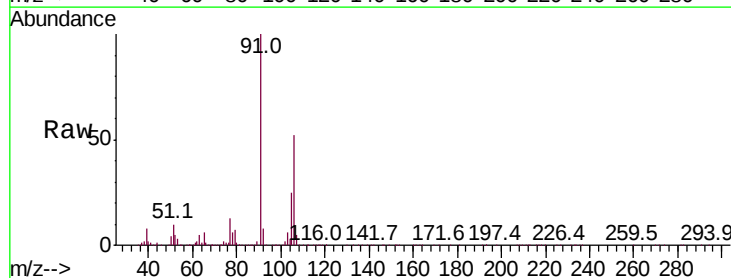
Acq: 29 May 2019 14:41

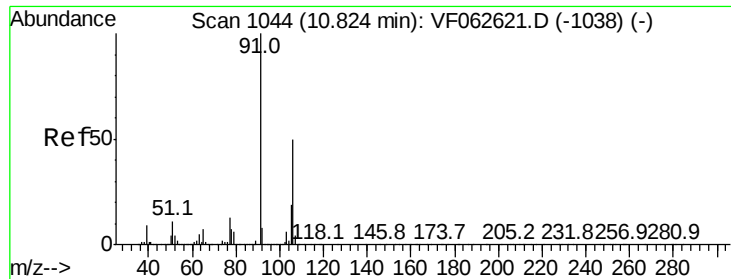
Tgt Ion: 106 Resp: 520810

Ion Ratio Lower Upper

106 100

91 192.5 136.9 205.3





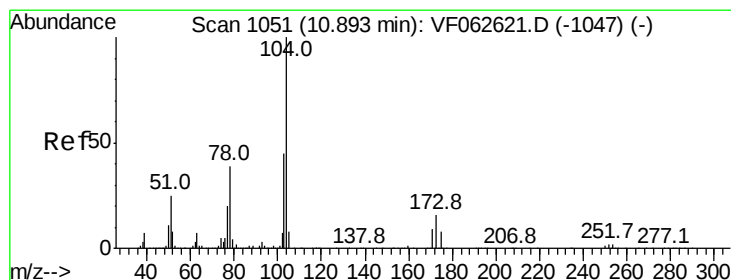
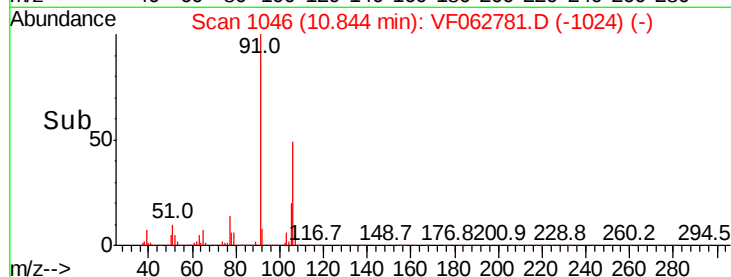
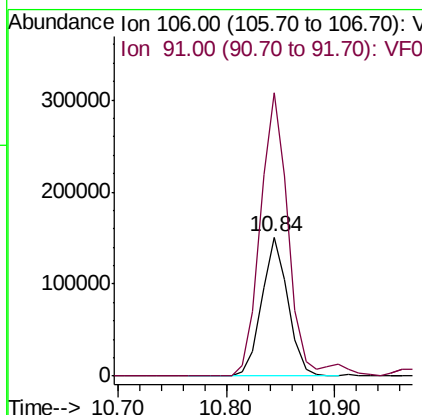
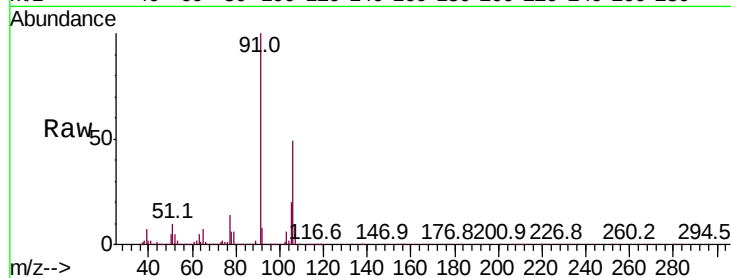
#69
o-Xylene
Concen: 21.846 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. 0.02 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion	Ratio	Lower	Upper
106	100		
91	203.9	100.2	300.5

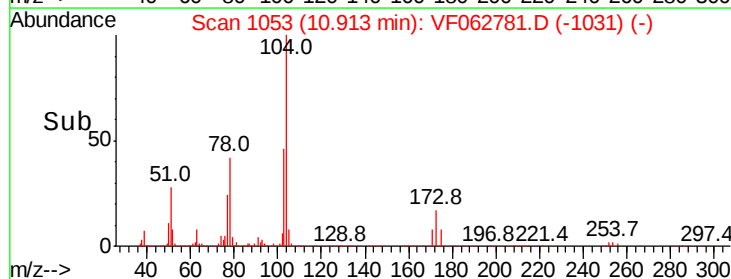
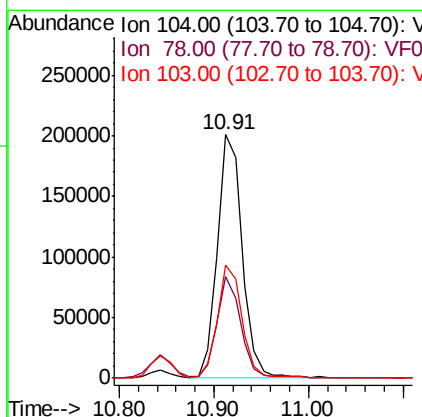
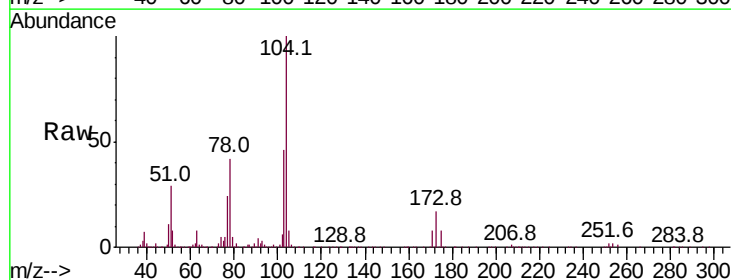
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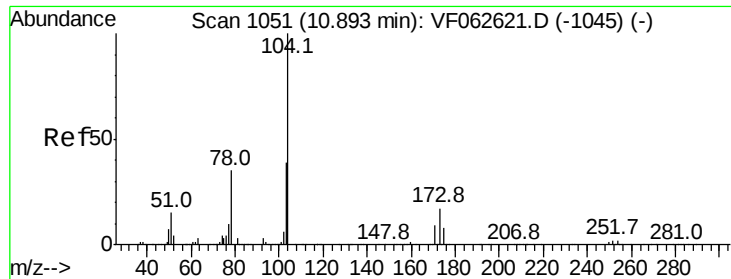
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#70
Styrene
Concen: 20.314 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.02 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Tgt Ion	Ratio	Lower	Upper
104	100		
78	41.8	31.9	47.9
103	46.3	36.1	54.1





#71

Bromoform

Concen: 22.209 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

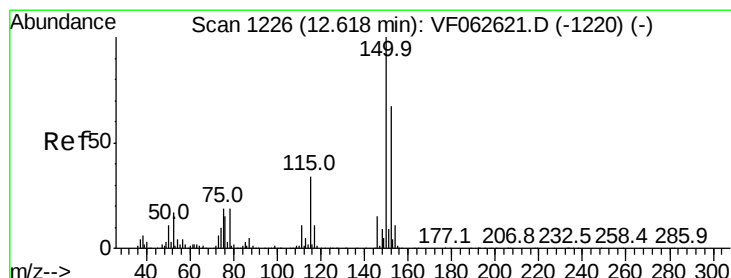
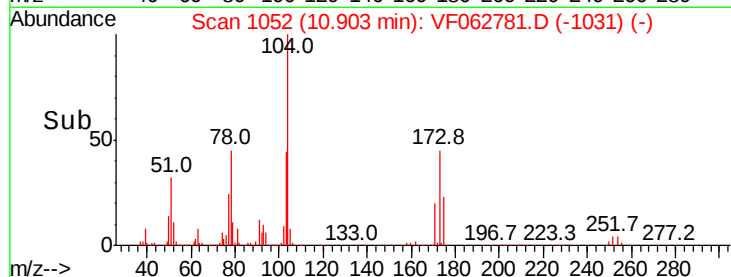
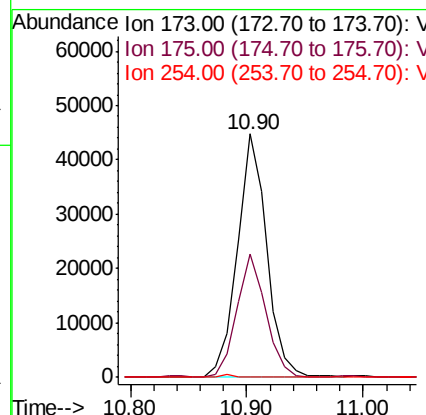
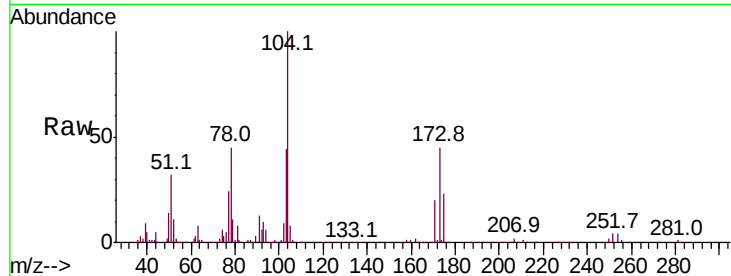
ClientSampleId :

VF0529SBS03

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.5	25.3	75.9
254	0.0	0.2	0.2#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

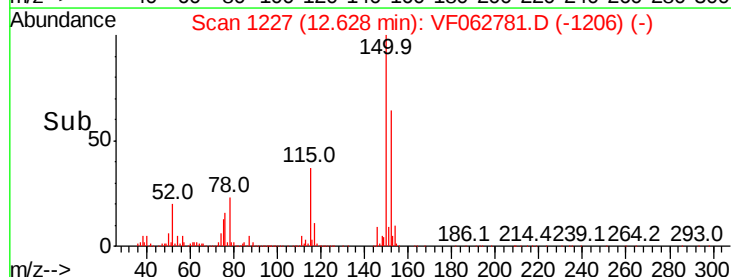
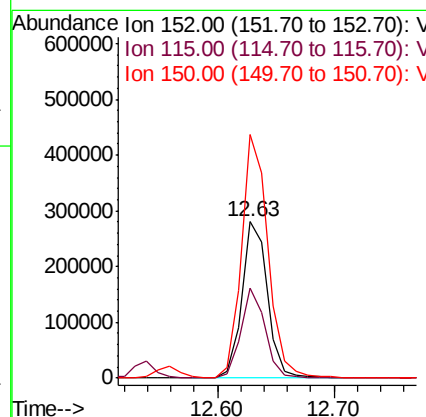
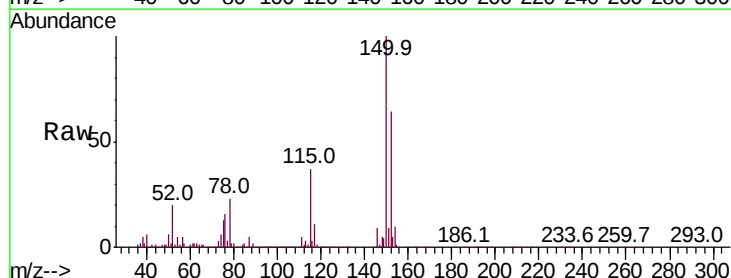
RT: 12.63 min Scan# 1227

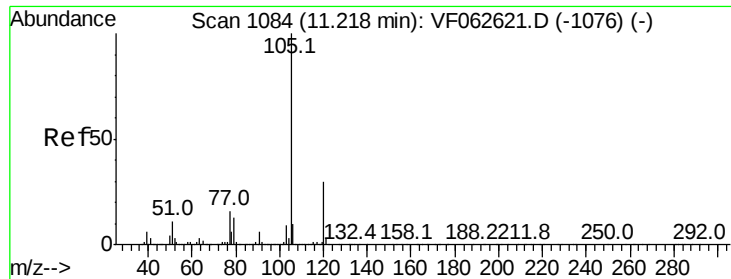
Delta R.T. 0.01 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.5	25.2	75.6
150	155.9	0.0	306.2





#73

Isopropylbenzene

Concen: 22.355 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.02 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

Tot Ion: 105 Resp: 684583

Ion Ratio Lower Upper

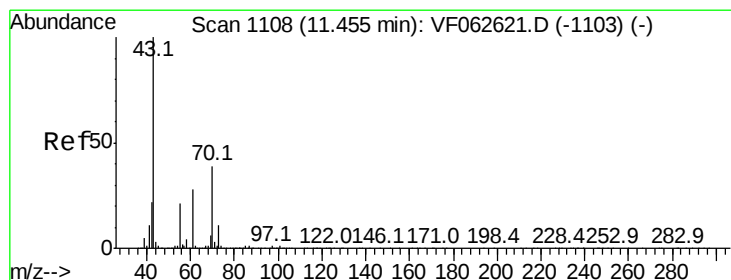
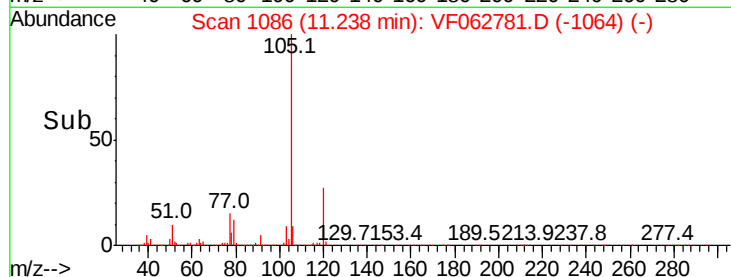
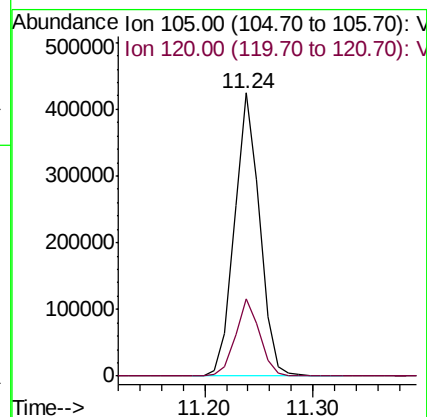
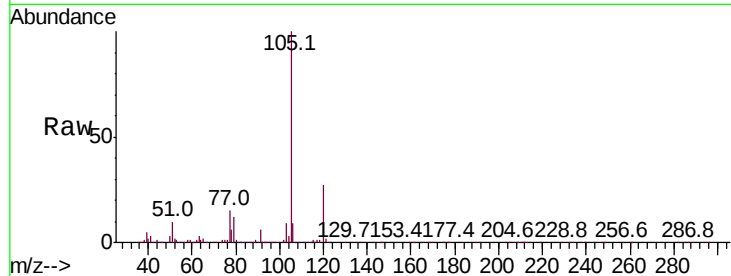
105 100

120 27.2 14.8 44.4

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#74

N-ethyl acetate

Concen: 23.926 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Tgt Ion: 43 Resp: 208353

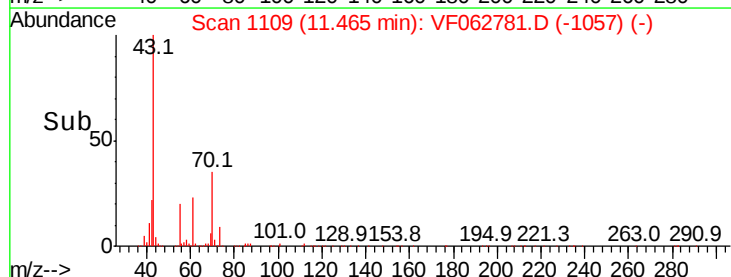
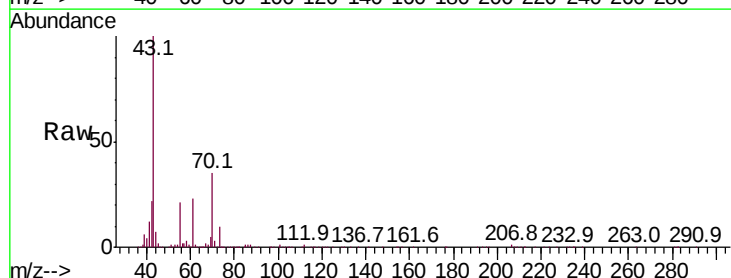
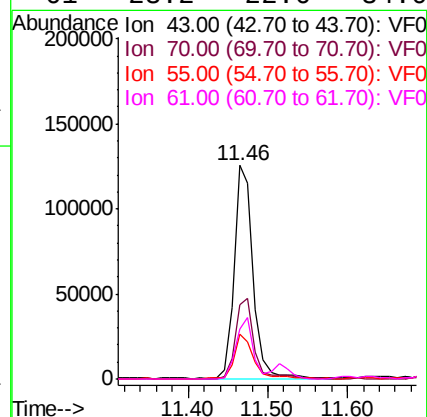
Ion Ratio Lower Upper

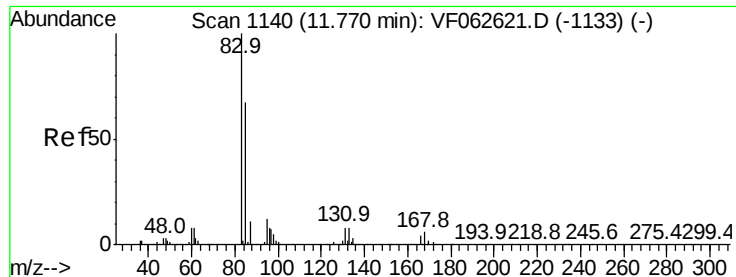
43 100

70 34.7 30.9 46.3

55 20.9 17.0 25.4

61 23.2 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 25.042 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.02 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

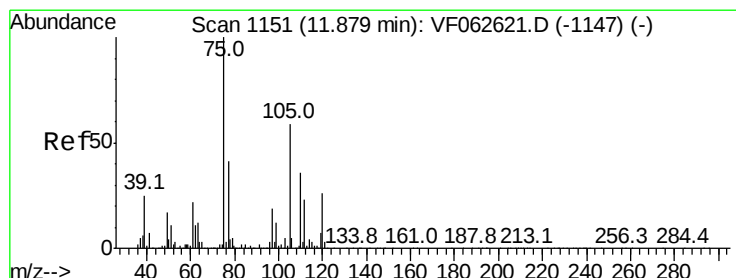
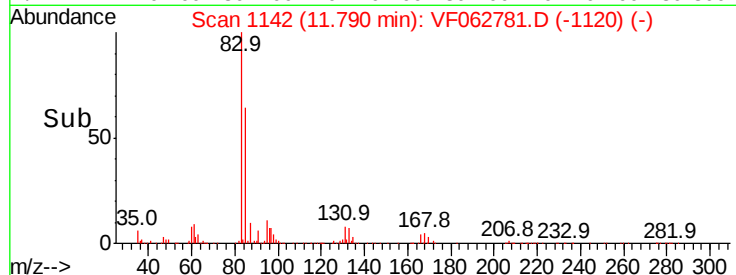
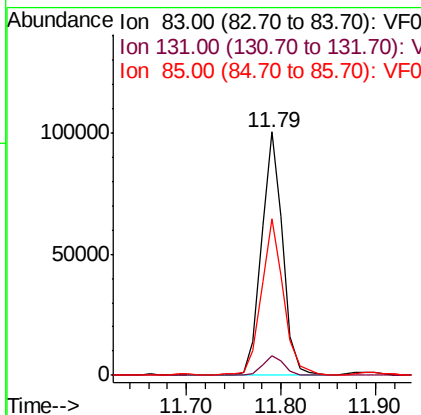
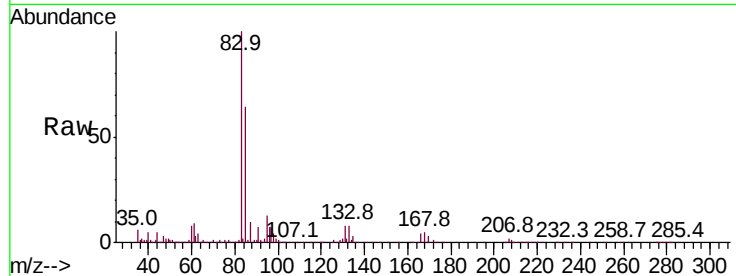
ClientSampleId :

VF0529SBS03

Tot Ion:	83	Resp:	156718
Ion Ratio	Lower	Upper	
83	100		
131	7.9	4.0	12.0
85	64.3	33.5	100.5

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#76

1,2,3-Trichloropropane

Concen: 24.377 ug/l

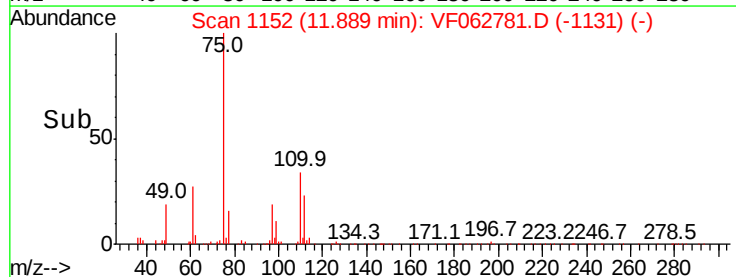
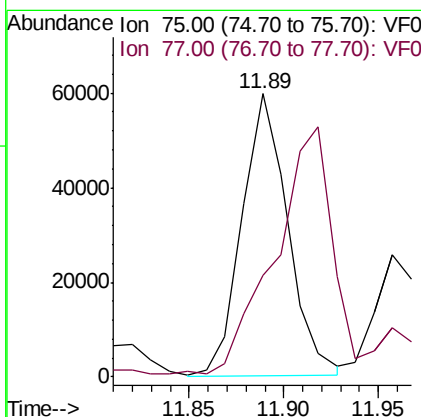
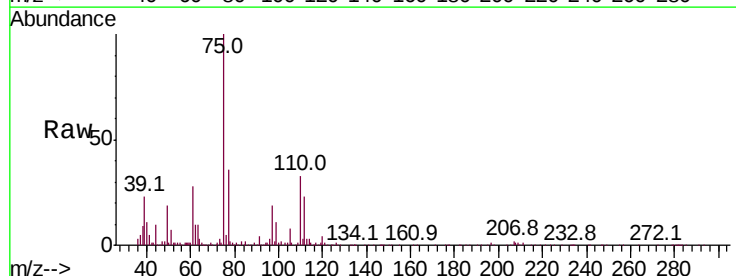
RT: 11.89 min Scan# 1152

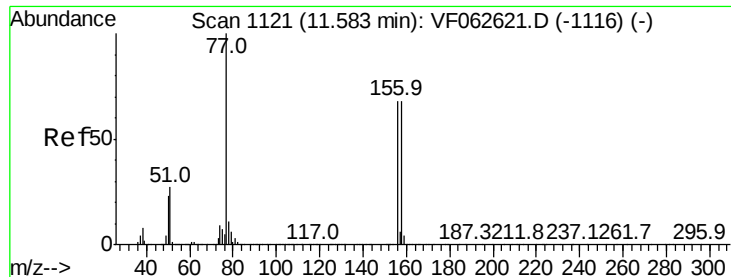
Delta R.T. 0.01 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Tgt Ion:	75	Resp:	100242
Ion Ratio	Lower	Upper	
75	100		
77	35.9	20.6	61.8





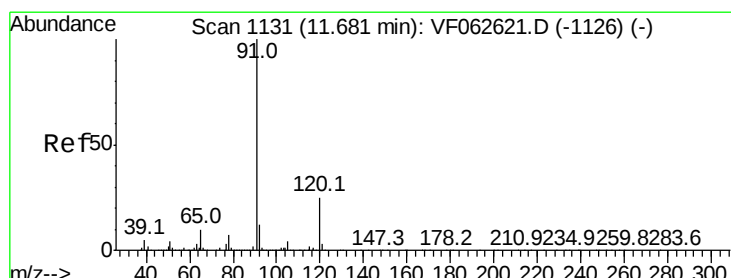
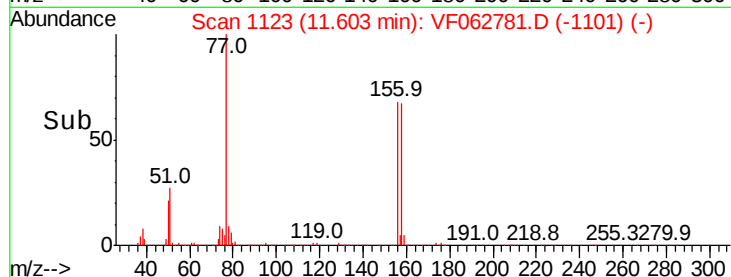
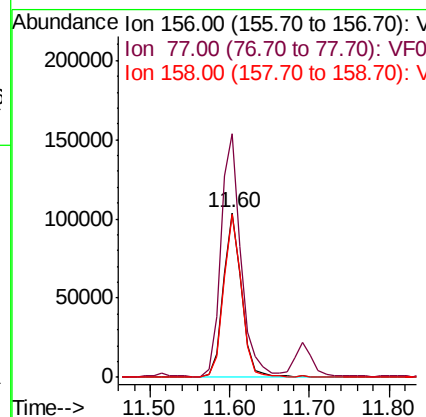
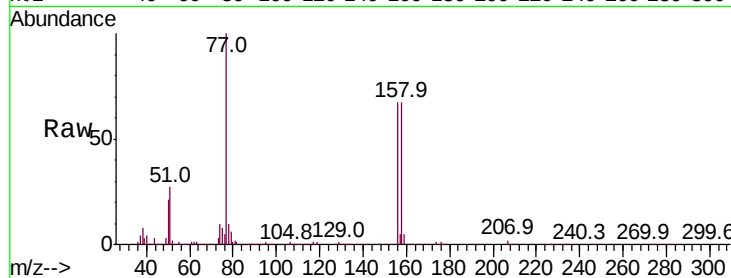
#77
Bromobenzene
Concen: 22.051 ug/l
RT: 11.60 min Scan# 1123
Delta R.T. 0.02 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion	Ratio	Lower	Upper
156	100		
77	148.3	73.6	220.8
158	99.6	49.6	148.8

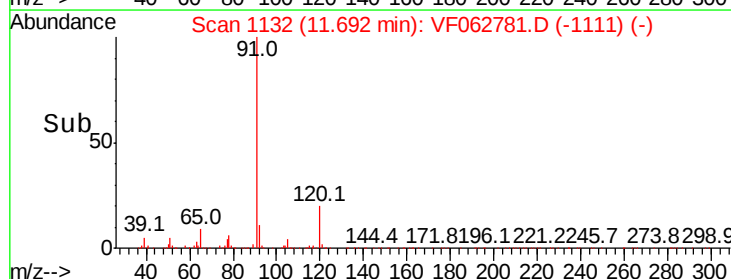
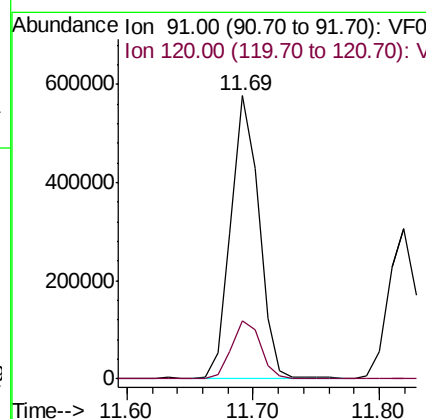
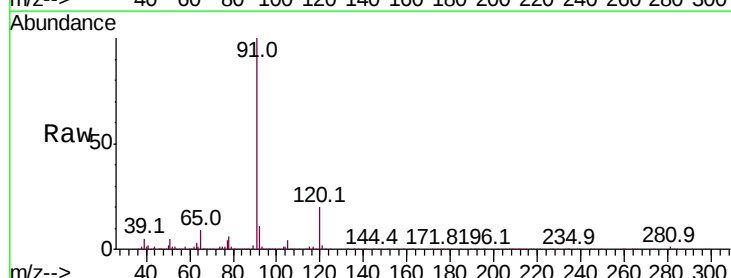
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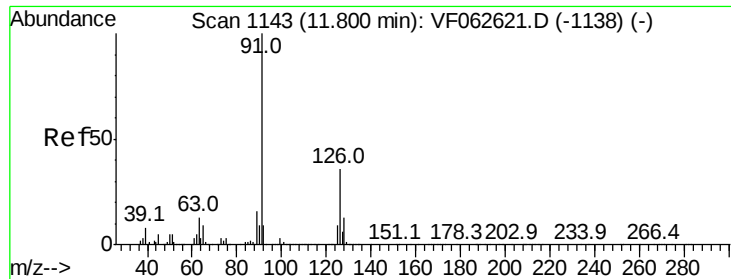
mmdadoda
5/30/2019 11:02:43 AM



#78
n-propylbenzene
Concen: 24.634 ug/l
RT: 11.69 min Scan# 1132
Delta R.T. 0.01 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.3	12.7	38.1





#79

2-Chlorotoluene

Concen: 23.326 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.02 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

Tot Ion: 91 Resp: 476427

Ion Ratio Lower Upper

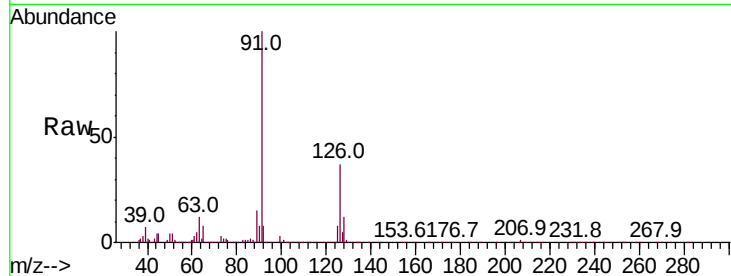
91 100

126 37.5 18.1 54.4

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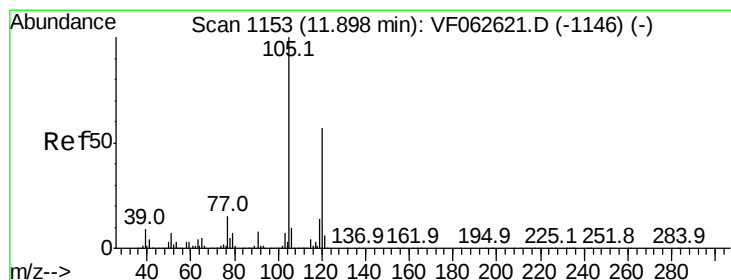
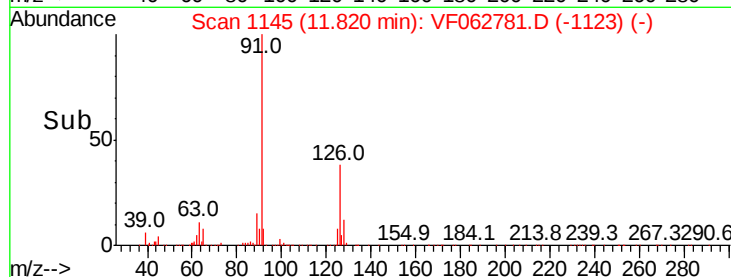
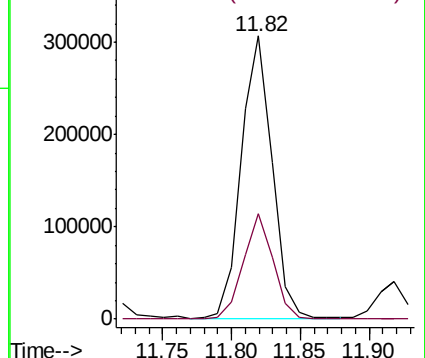
mmdadoda

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 24.618 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. 0.02 min

Lab File: VF062781.D

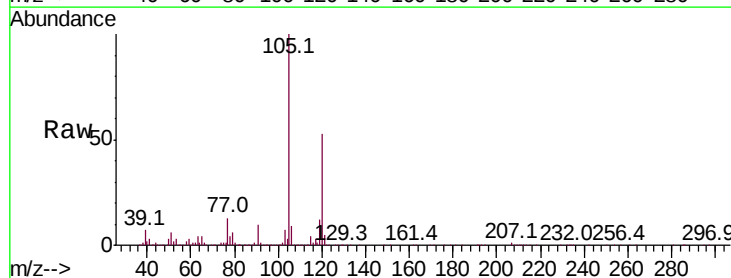
Acq: 29 May 2019 14:41

Tgt Ion: 105 Resp: 604497

Ion Ratio Lower Upper

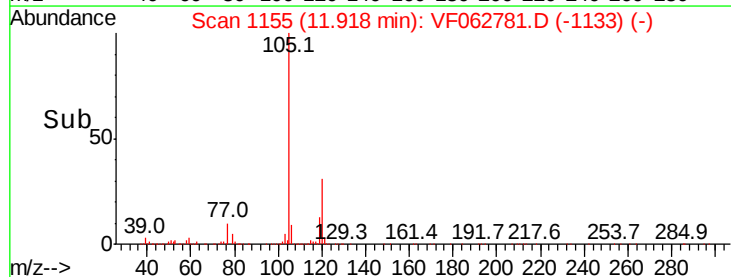
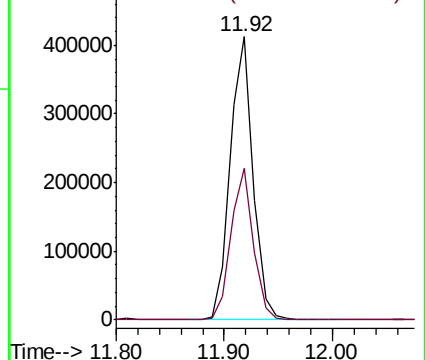
105 100

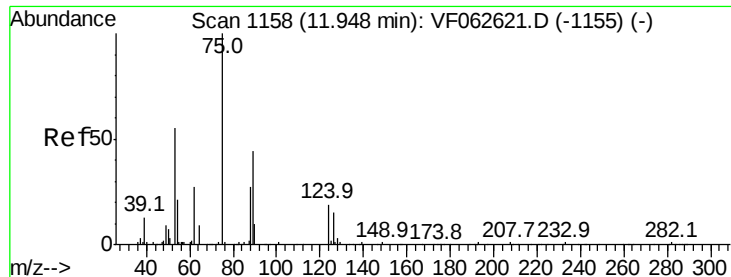
120 53.4 28.7 86.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 23.078 ug/l m

RT: 11.96 min Scan# 1159

Delta R.T. 0.01 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

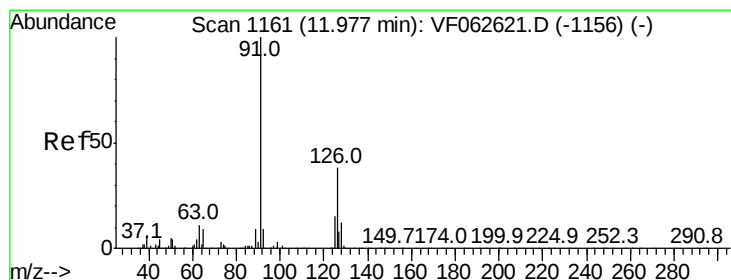
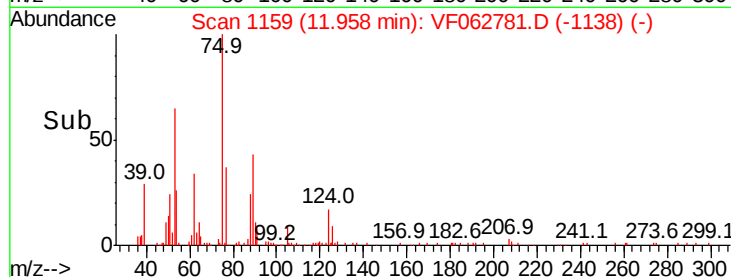
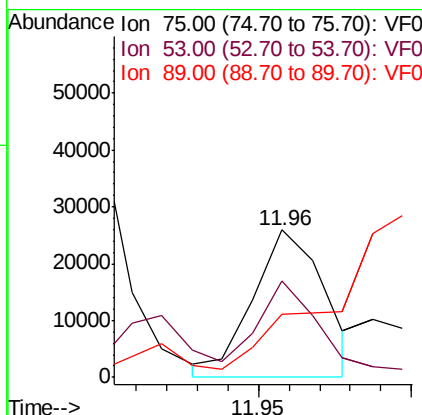
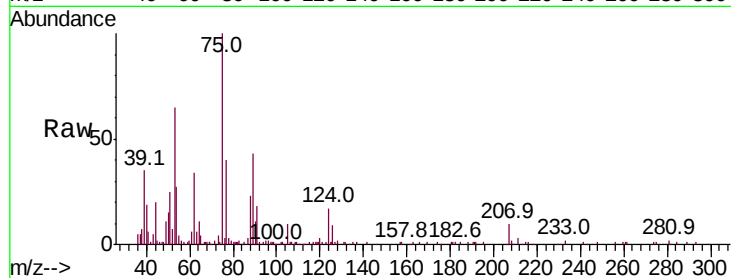
ClientSampleId :

VF0529SBS03

Tot Ion:	75	Resp:	42184
Ion Ratio	Lower	Upper	
75	100		
53	65.5	46.9	70.3
89	42.7	36.4	54.6

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#82

4-Chlorotoluene

Concen: 23.279 ug/l

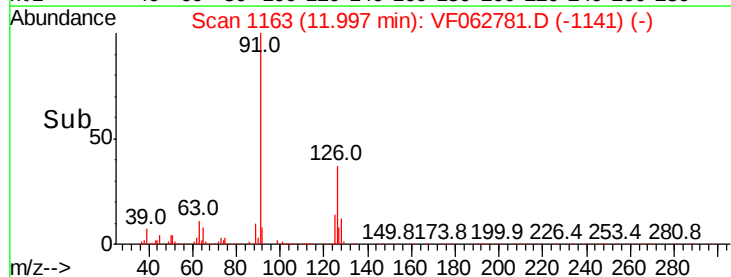
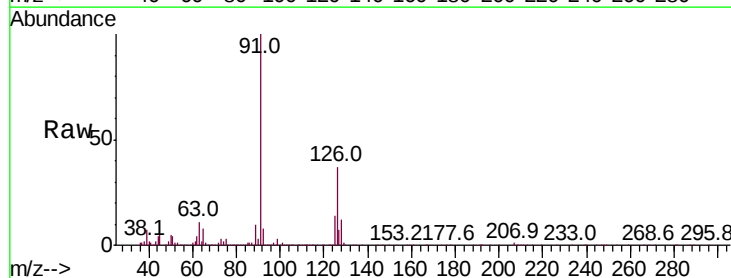
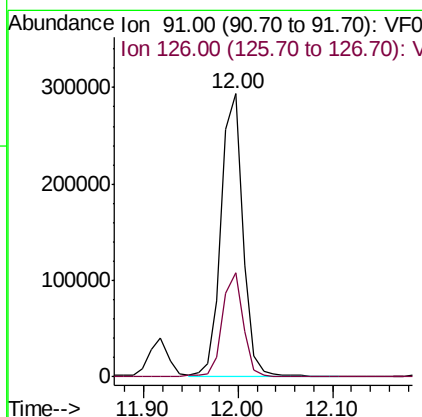
RT: 12.00 min Scan# 1163

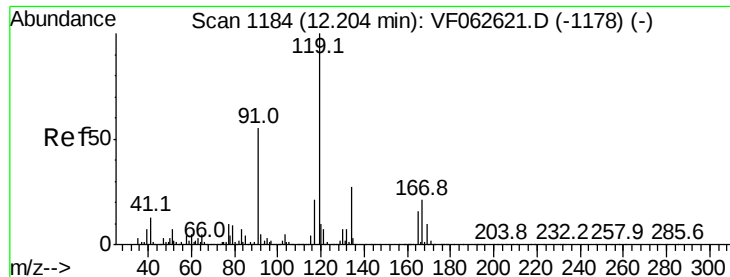
Delta R.T. 0.02 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Tgt Ion:	91	Resp:	468864
Ion Ratio	Lower	Upper	
91	100		
126	37.0	19.1	57.1





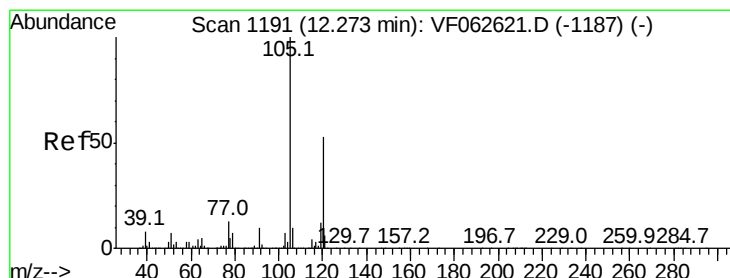
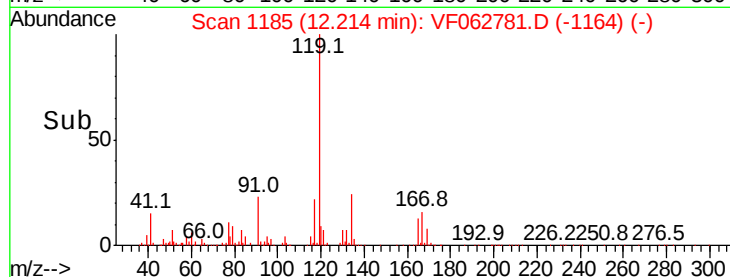
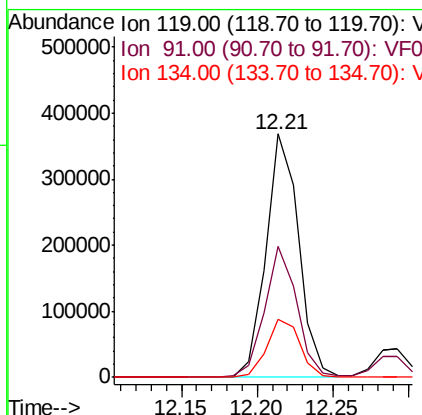
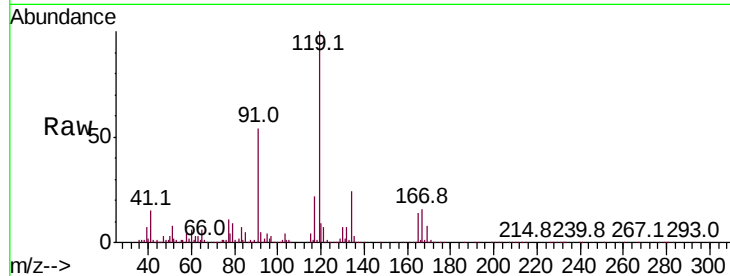
#83
tert-Butylbenzene
Concen: 22.423 ug/l
RT: 12.21 min Scan# 1185
Delta R.T. 0.01 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion	Ratio	Resp	Lower	Upper
119	100			
91	54.0	27.3	81.9	
134	23.8	13.6	40.7	

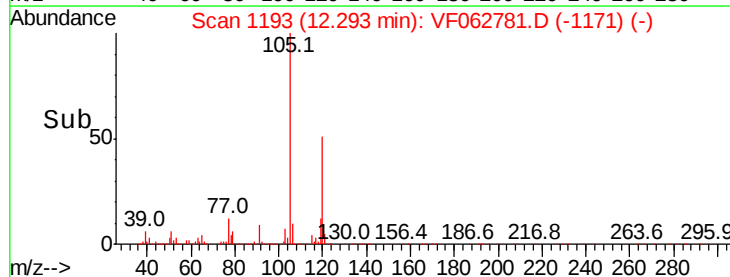
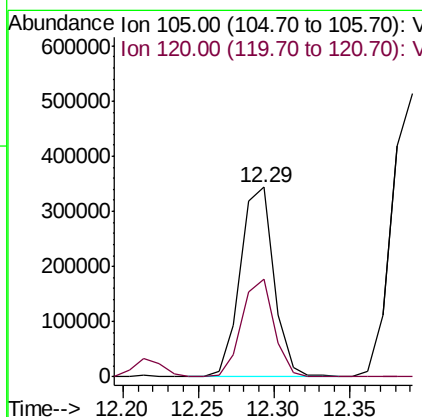
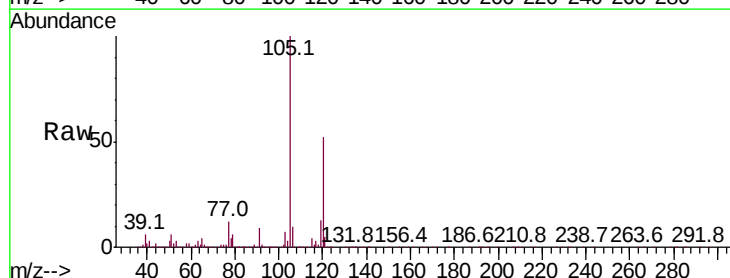
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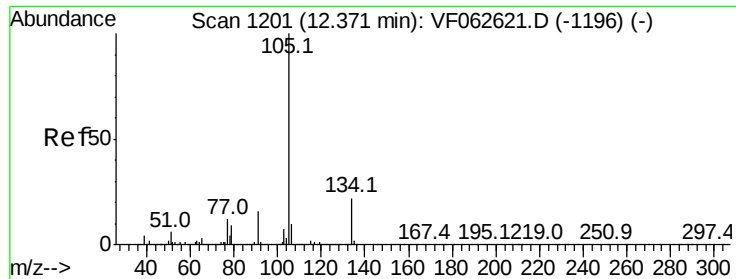
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#84
1,2,4-Trimethylbenzene
Concen: 22.360 ug/l
RT: 12.29 min Scan# 1193
Delta R.T. 0.02 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
120	51.5	26.7	80.1	





#85

sec-Butylbenzene

Concen: 22.877 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.02 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

Tot Ion:105 Resp: 764835

Ion Ratio Lower Upper

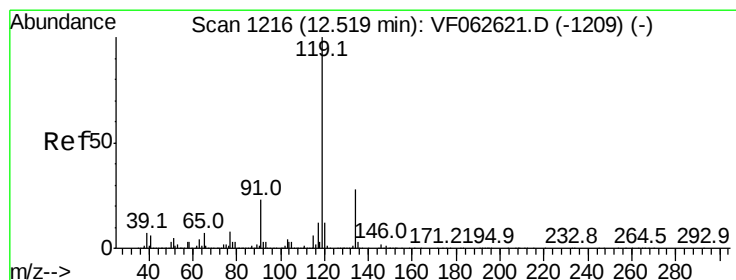
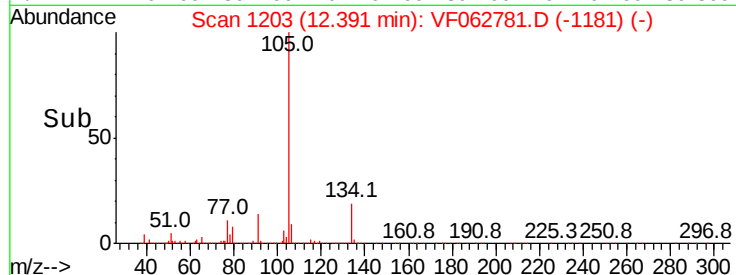
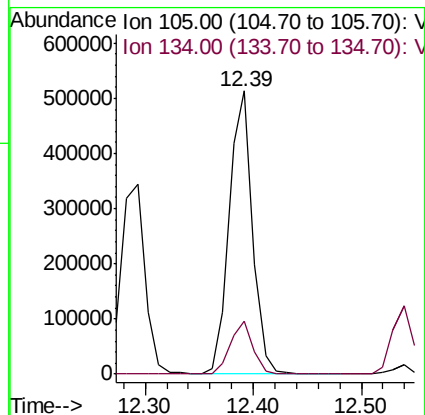
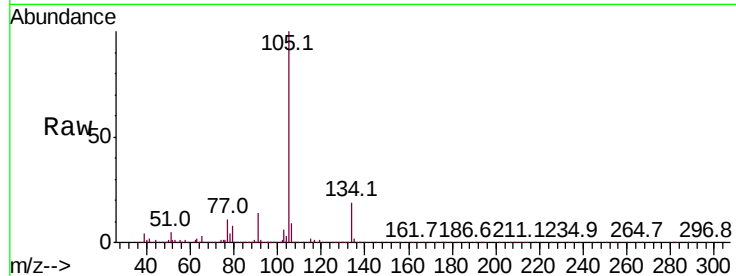
105 100

134 18.7 10.8 32.4

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#86

p-Isopropyltoluene

Concen: 22.549 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.02 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

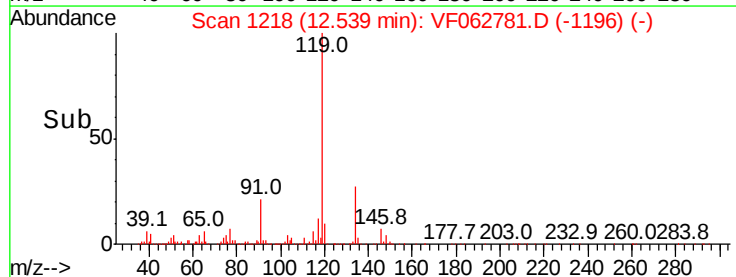
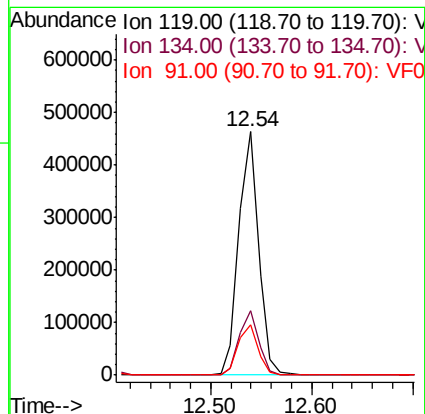
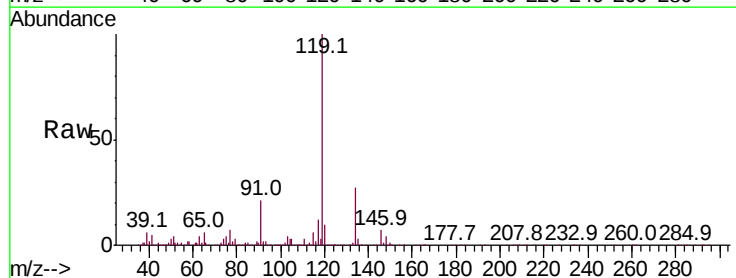
Tgt Ion:119 Resp: 635326

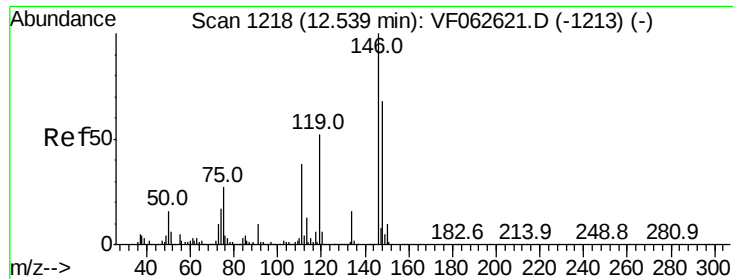
Ion Ratio Lower Upper

119 100

134 26.6 14.1 42.3

91 20.8 11.4 34.2





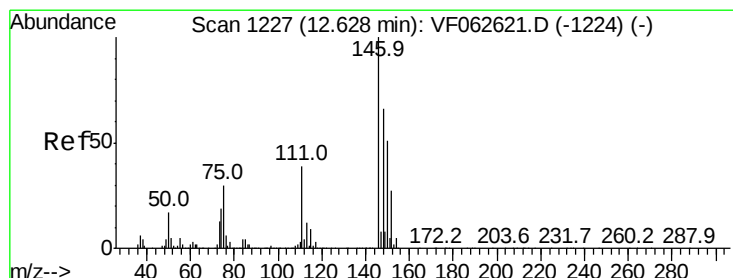
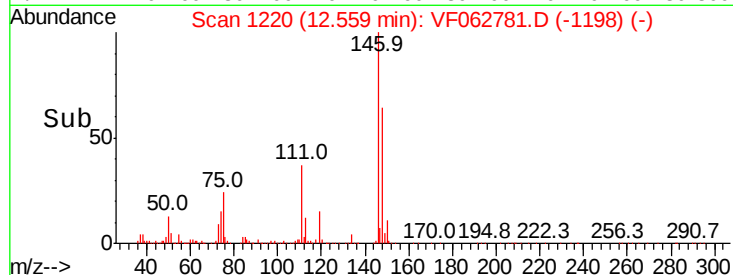
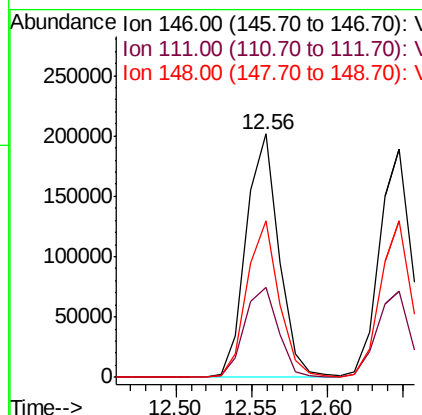
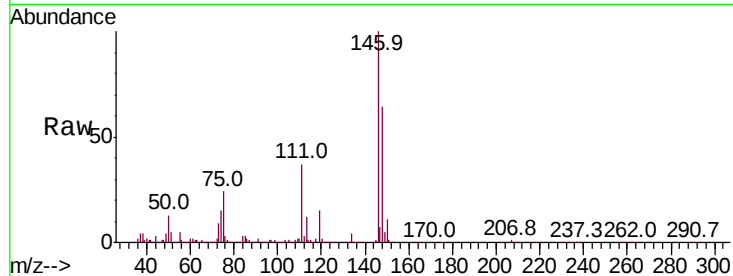
#87
 1,3-Dichlorobenzene
 Concen: 22.160 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.02 min
 Lab File: VF062781.D
 Acq: 29 May 2019 14:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.9	56.9
148	64.4	34.0	101.8

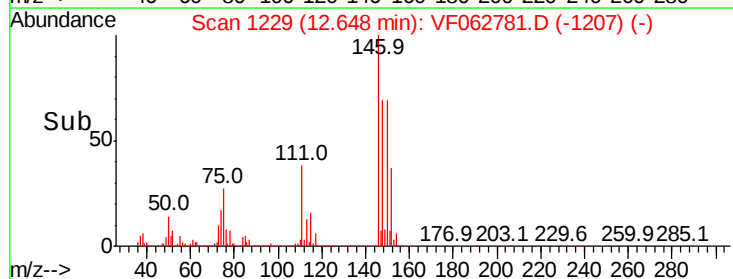
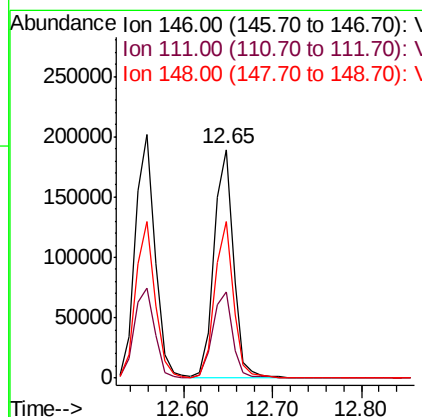
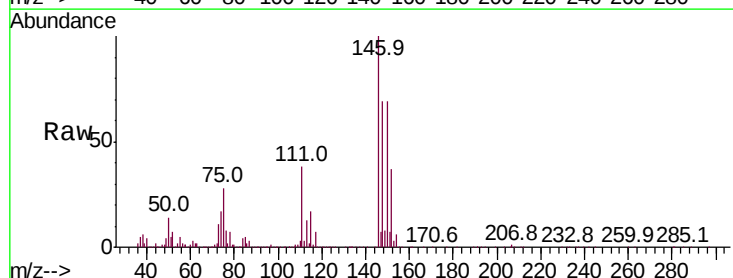
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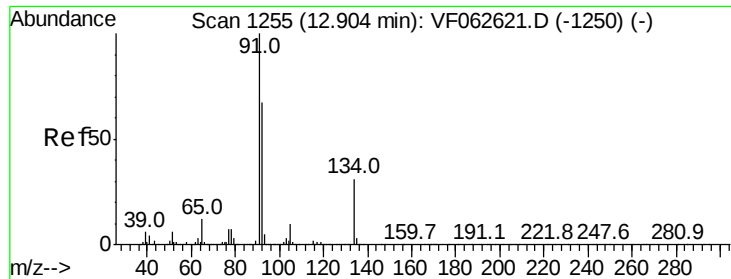
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#88
 1,4-Dichlorobenzene
 Concen: 22.246 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.02 min
 Lab File: VF062781.D
 Acq: 29 May 2019 14:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.4	58.2
148	68.5	33.2	99.6





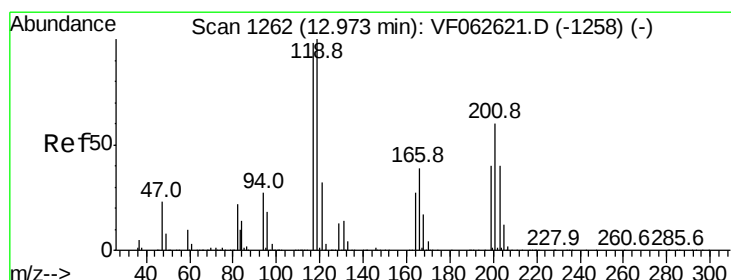
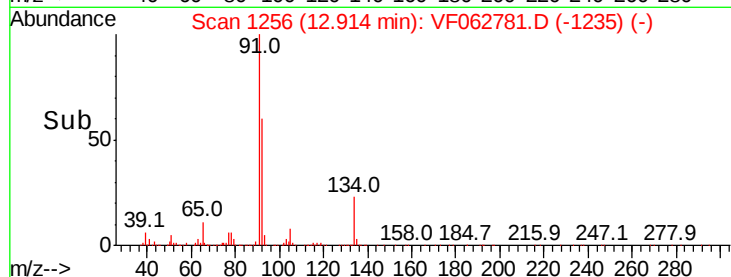
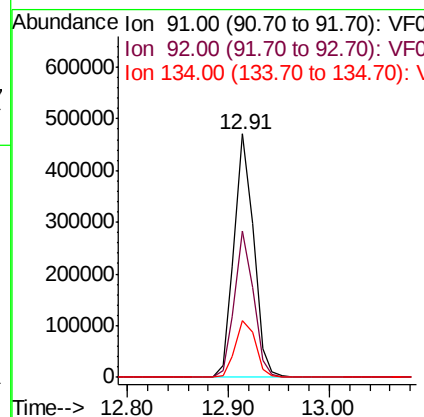
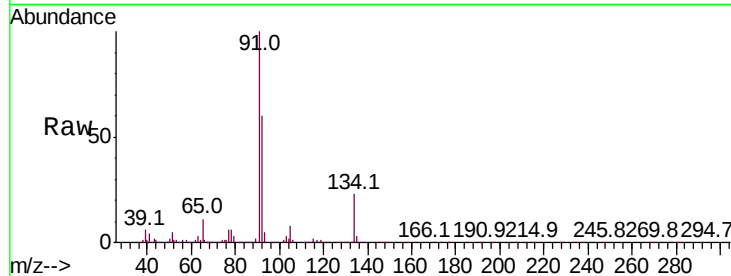
#89
n-Butylbenzene
Concen: 23.004 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion	Ratio	Resp	Lower	Upper
91	100	639058		
92	60.3		33.3	99.8
134	23.1		15.4	46.4

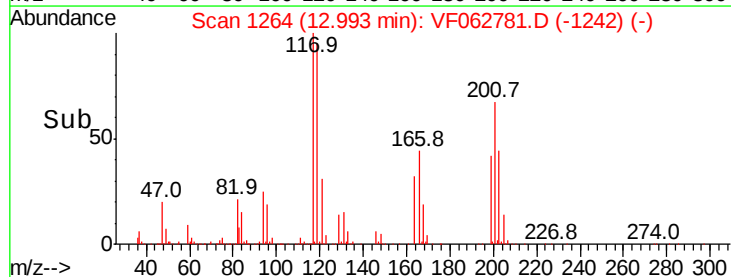
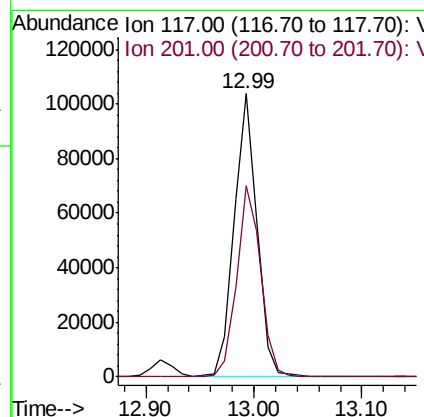
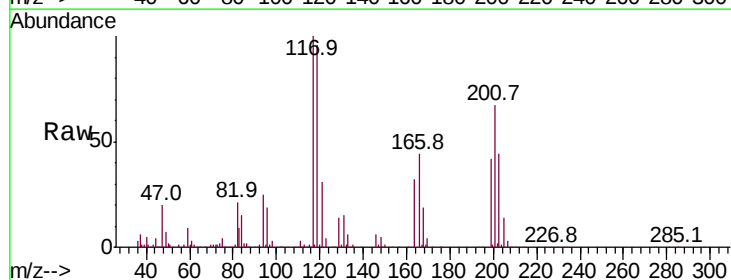
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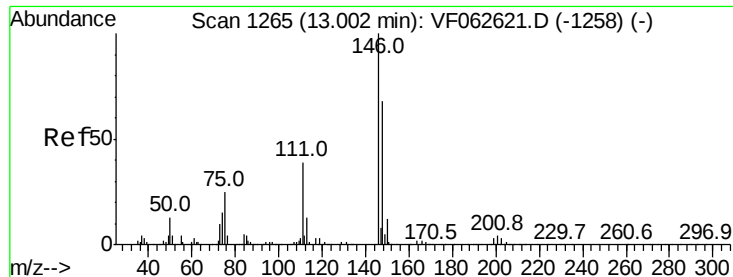
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#90
Hexachloroethane
Concen: 22.729 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.02 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	153626		
201	69.2		30.7	92.1





#91

1,2-Dichlorobenzene

Concen: 21.898 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. 0.01 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

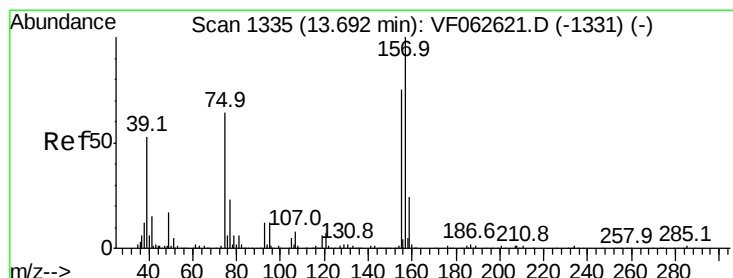
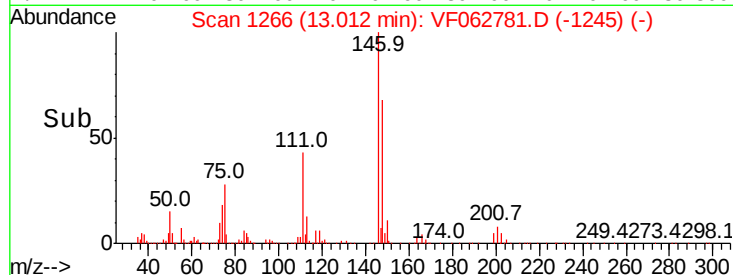
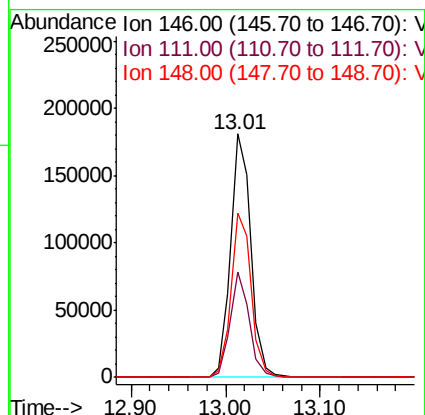
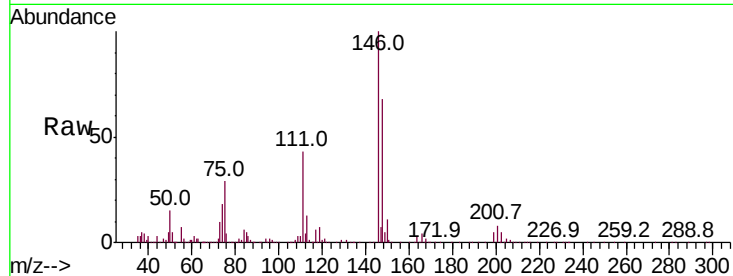
ClientSampleId :

VF0529SBS03

Tot Ion:	146	Resp:	268827
Ion Ratio	Lower	Upper	
146	100		
111	43.1	19.8	59.3
148	67.6	34.1	102.2

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#92

1,2-Dibromo-3-Chloropropane

Concen: 22.917 ug/l

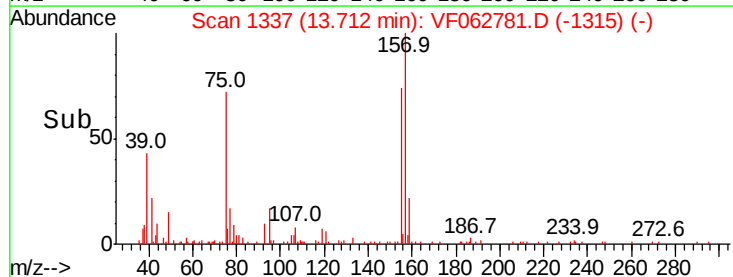
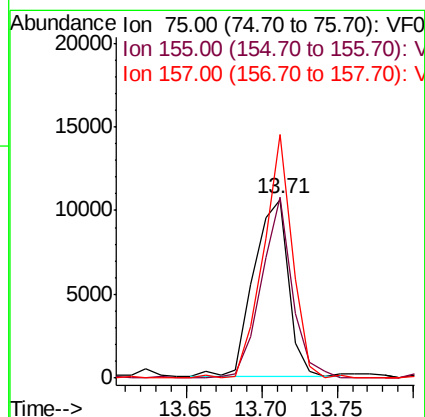
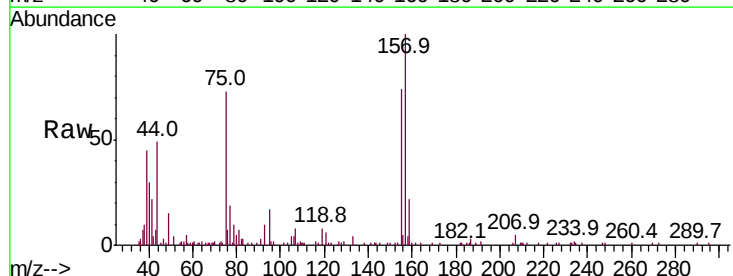
RT: 13.71 min Scan# 1337

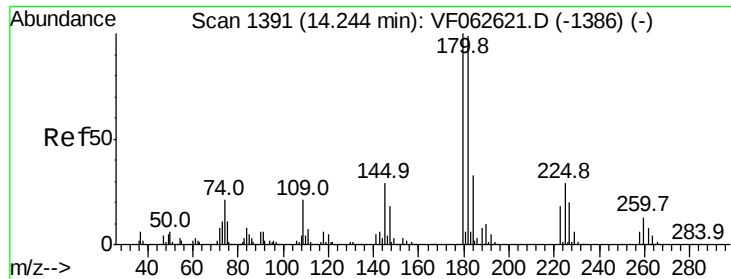
Delta R.T. 0.02 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Tgt Ion:	75	Resp:	17110
Ion Ratio	Lower	Upper	
75	100		
155	101.2	58.1	174.3
157	136.5	77.8	233.4





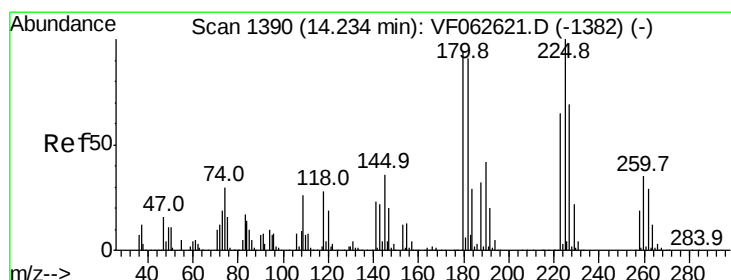
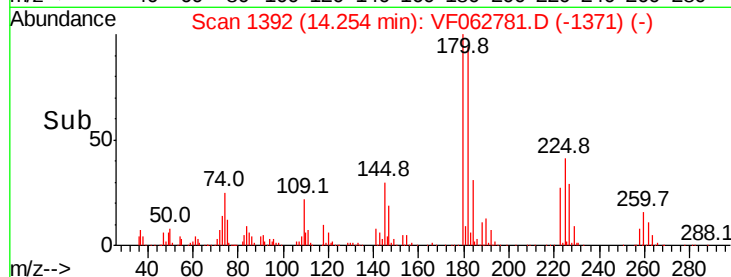
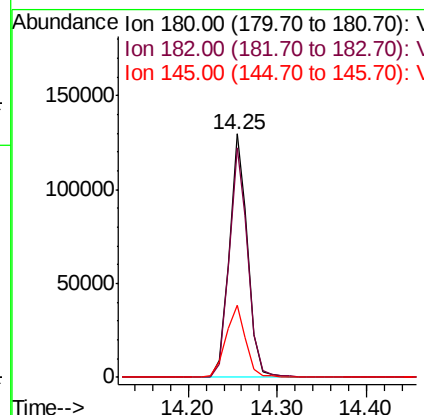
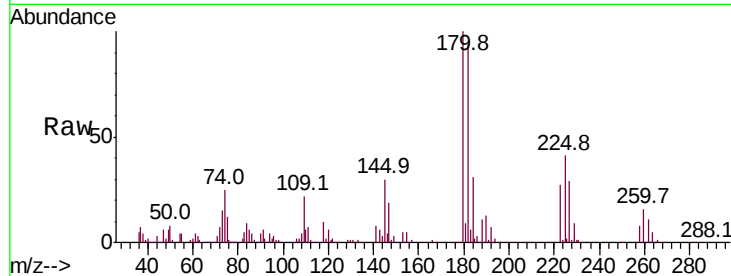
#93
 1,2,4-Trichlorobenzene
 Concen: 21.451 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VF062781.D
 Acq: 29 May 2019 14:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS03

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.5	49.7	149.1	
145	29.8	14.6	44.0	

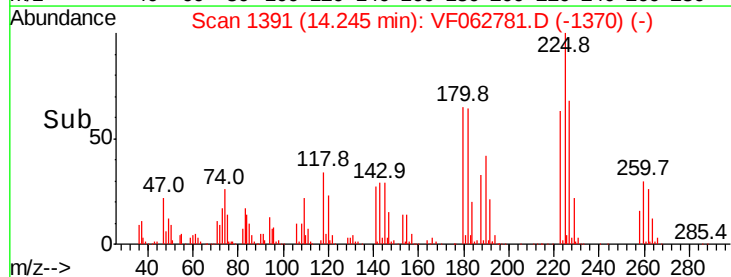
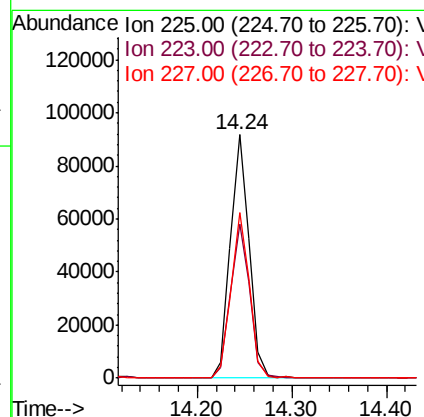
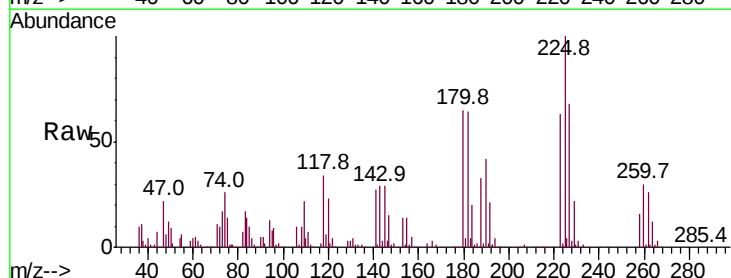
Manual Integrations
 APPROVED

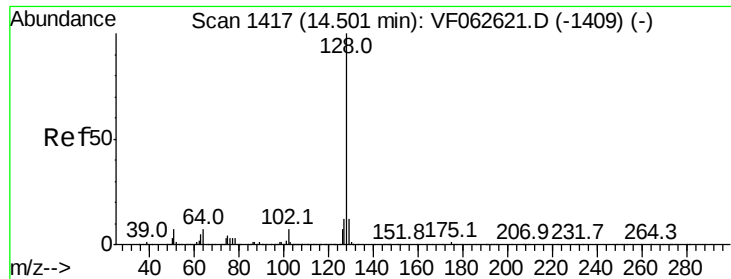
mmdadoda
 5/30/2019 11:02:43 AM



#94
 Hexachlorobutadiene
 Concen: 20.451 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VF062781.D
 Acq: 29 May 2019 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.0	32.5	97.4	
227	67.8	34.5	103.5	





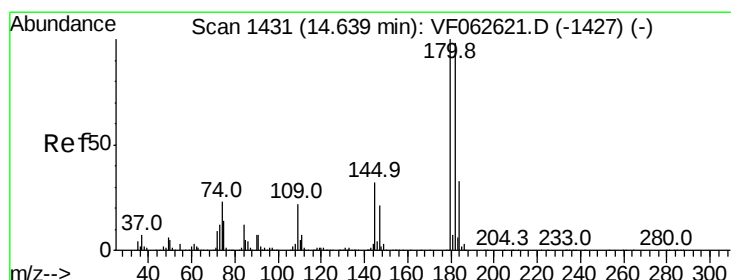
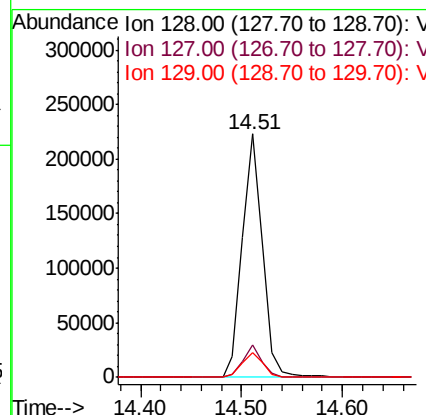
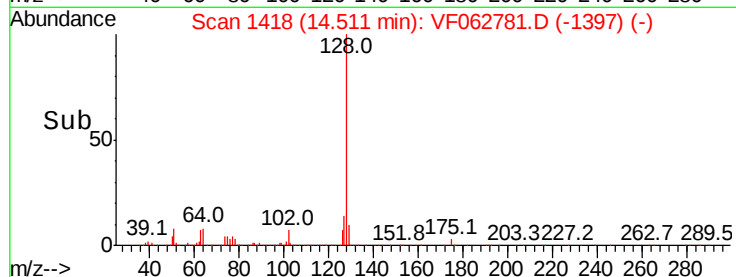
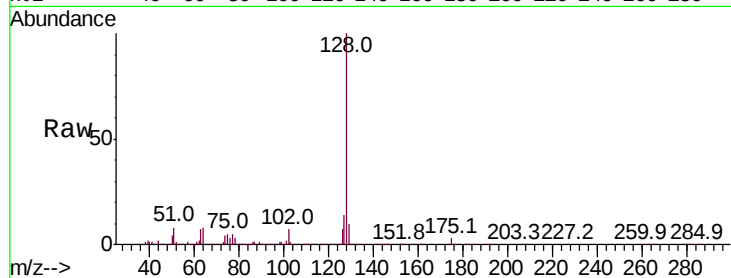
#95
Naphthalene
Concen: 19.462 ug/l
RT: 14.51 min Scan# 1418
Delta R.T. 0.01 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion	Ratio	Resp	Lower	Upper
128	100	310678		
127	13.5		9.7	14.5
129	10.0		9.3	13.9

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 20.966 ug/l
RT: 14.66 min Scan# 1433
Delta R.T. 0.02 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	174510		
182	92.2		48.9	146.7
145	25.5		16.1	48.2

