

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052119\
 Data File : VF062679.D
 Acq On : 21 May 2019 13:07
 Operator : FY/SY
 Sample : K2647-09
 Misc : 5.73g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-01-051719

Quant Time: May 22 03:54:55 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	5.05	168	2012	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.89	114	98	50.00	ug/l	0.10
63) Chlorobenzene-d5	10.10	117	106	50.00	ug/l	0.18
72) 1,4-Dichlorobenzene-d4	12.51	152	227	50.00	ug/l	-0.11

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	213	14.98	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	29.96%	
35) Dibromofluoromethane	4.38	113	118	157.35	ug/l	0.06
Spiked Amount				50.000		
			Recovery	=	314.70%	
50) Toluene-d8	7.81	98	201	112.26	ug/l	0.09
Spiked Amount				50.000		
			Recovery	=	224.52%	
62) 4-Bromofluorobenzene	11.69	95	163	240.03	ug/l	0.19
Spiked Amount				50.000		
			Recovery	=	480.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	473	17.275	ug/l #	41
3) Chloromethane	1.06	50	660	26.179	ug/l	95
4) Vinyl Chloride	1.19	62	233	10.040	ug/l #	41
5) Bromomethane	1.38	94	450	35.445	ug/l	91
6) Chloroethane	1.42	64	440	51.625	ug/l #	45
7) Trichlorofluoromethane	1.51	101	187	6.001	ug/l #	1
8) Diethyl Ether	1.73	74	304	49.247	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	1.91	101	290	14.616	ug/l #	19
10) Methyl Iodide	1.99	142	356	9.134	ug/l #	37
11) Tert butyl alcohol	2.70	59	384	409.090	ug/l #	1
12) 1,1-Dichloroethene	1.83	96	943	52.173	ug/l #	8
13) Acrolein	2.24	56	335	341.893	ug/l	83
14) Allyl chloride	2.16	41	882	53.918	ug/l #	34
15) Acrylonitrile	2.94	53	509	192.233	ug/l	86
16) Acetone	2.41	43	561	152.092	ug/l	92
17) Carbon Disulfide	1.89	76	338	6.309	ug/l #	1
18) Methyl Acetate	2.46	43	837	144.402	ug/l #	56
19) Methyl tert-butyl Ether	2.47	73	510	15.784	ug/l	95
20) Methylene Chloride	2.30	84	605	32.723	ug/l #	46
21) trans-1,2-Dichloroethene	2.42	96	513	29.038	ug/l #	30
22) Diisopropyl ether	2.92	45	959	23.770	ug/l #	54
23) Vinyl Acetate	3.33	43	1129	41.483	ug/l #	73
24) 1,1-Dichloroethane	2.99	63	170	5.744	ug/l #	1
25) 2-Butanone	4.57	43	657	83.370	ug/l	95
26) 2,2-Dichloropropane	3.77	77	1003	59.227	ug/l	95
27) cis-1,2-Dichloroethene	3.66	96	522	17.963	ug/l	40
28) Bromochloromethane	3.90	49	152	9.157	ug/l	81
29) Tetrahydrofuran	4.10	42	664	208.216	ug/l	94
30) Chloroform	4.03	83	277	6.741	ug/l #	16
31) Cyclohexane	3.87	56	206	5.184	ug/l #	50
32) 1,1,1-Trichloroethane	4.28	97	212	7.768	ug/l #	31
36) 1,1-Dichloropropene	4.58	75	428	426.211	ug/l #	1
37) Ethyl Acetate	4.40	43	788	1921.879	ug/l #	1
38) Carbon Tetrachloride	4.27	117	193	255.550	ug/l #	12

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052119\
 Data File : VF062679.D
 Acq On : 21 May 2019 13:07
 Operator : FY/SY
 Sample : K2647-09
 Misc : 5.73g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-01-051719

Quant Time: May 22 03:54:55 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)
39) Methylcyclohexane	5.74	83	166	137.383	ug/l #	21
40) Benzene	4.89	78	759	277.442	ug/l #	55
41) Methacrylonitrile	5.04	41	196	911.799	ug/l #	84
42) 1,2-Dichloroethane	5.25	62	199	364.774	ug/l #	71
43) Isopropyl Acetate	7.25	43	286	538.413	ug/l #	95
44) Trichloroethene	5.75	130	192	249.713	ug/l #	1
45) 1,2-Dichloropropane	6.54	63	606	877.511	ug/l #	69
46) Dibromomethane	6.35	93	211	528.676	ug/l #	62
47) Bromodichloromethane	6.66	83	95	114.657	ug/l #	39
48) Methyl methacrylate	7.03	41	588	2117.820	ug/l #	41
49) 1,4-Dioxane	6.99	88	210	59054.356	ug/l #	1
51) 4-Methyl-2-Pentanone	8.52	43	493	1357.794	ug/l #	32
52) Toluene	7.93	92	405	282.283	ug/l #	1
53) t-1,3-Dichloropropene	8.59	75	665	981.030	ug/l #	98
54) cis-1,3-Dichloropropene	7.63	75	458	482.672	ug/l #	42
55) 1,1,2-Trichloroethane	8.84	97	290	682.668	ug/l #	15
56) Ethyl methacrylate	8.90	69	555	1096.619	ug/l #	1
57) 1,3-Dichloropropane	9.15	76	603	833.370	ug/l #	71
58) 2-Chloroethyl Vinyl ether	7.56	63	320	1942.501	ug/l #	51
59) 2-Hexanone	9.70	43	687	3112.267	ug/l #	80
60) Dibromochloromethane	9.10	129	67	121.014	ug/l #	1
61) 1,2-Dibromoethane	9.44	107	84	186.168	ug/l #	83
64) Tetrachloroethene	8.28	164	257	306.040	ug/l #	12
65) Chlorobenzene	9.97	112	590	283.389	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.09	131	73	87.343	ug/l #	23
67) Ethyl Benzene	10.15	91	287	79.352	ug/l #	93
68) m/p-Xylenes	10.25	106	179	131.681	ug/l #	47
69) o-Xylene	10.92	106	71	50.709	ug/l #	88
70) Styrene	10.89	104	129	60.617	ug/l #	1
71) Bromoform	10.91	173	176	420.455	ug/l #	27
73) Isopropylbenzene	11.24	105	397	24.402	ug/l #	97
74) N-amyl acetate	11.44	43	941	248.773	ug/l #	76
75) 1,1,2,2-Tetrachloroethane	11.76	83	135	40.603	ug/l #	23
76) 1,2,3-Trichloropropane	11.94	75	245	112.146	ug/l #	97
77) Bromobenzene	11.53	156	126	31.157	ug/l #	15
78) n-propylbenzene	11.65	91	1065	55.312	ug/l #	75
79) 2-Chlorotoluene	11.79	91	128	11.796	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.94	105	466	35.721	ug/l #	92
81) trans-1,4-Dichloro-2-buten	11.94	75	245	252.292	ug/l #	26
82) 4-Chlorotoluene	12.09	91	222	20.746	ug/l #	100
83) tert-Butylbenzene	12.19	119	325	24.555	ug/l #	72
84) 1,2,4-Trimethylbenzene	12.24	105	205	16.236	ug/l #	25
85) sec-Butylbenzene	12.35	105	303	17.059	ug/l #	54
86) p-Isopropyltoluene	12.49	119	266	17.770	ug/l #	49
87) 1,3-Dichlorobenzene	12.55	146	88	12.027	ug/l #	23
88) 1,4-Dichlorobenzene	12.61	146	135	19.662	ug/l #	24
89) n-Butylbenzene	12.92	91	508	34.420	ug/l #	67
90) Hexachloroethane	12.97	117	391	108.886	ug/l #	95
91) 1,2-Dichlorobenzene	13.01	146	163	24.992	ug/l #	20
92) 1,2-Dibromo-3-Chloropropan	13.68	75	125	315.142	ug/l #	12

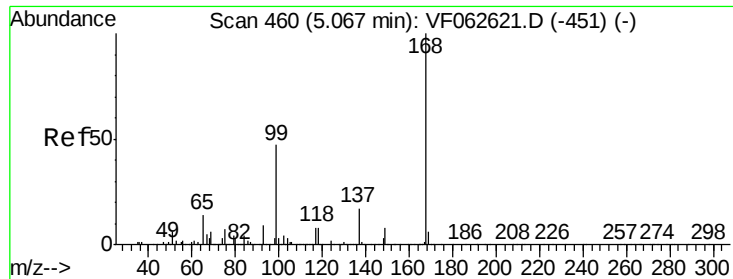
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052119\
Data File : VF062679.D
Acq On : 21 May 2019 13:07
Operator : FY/SY
Sample : K2647-09
Misc : 5.73g/5mL/MSVOA F/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SU-01-051719

Quant Time: May 22 03:54:55 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	14.22	180	258	55.265	ug/l #	11
94) Hexachlorobutadiene	14.22	225	78	23.942	ug/l #	16
95) Naphthalene	14.48	128	607	71.571	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.67	180	75	16.961	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.02 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

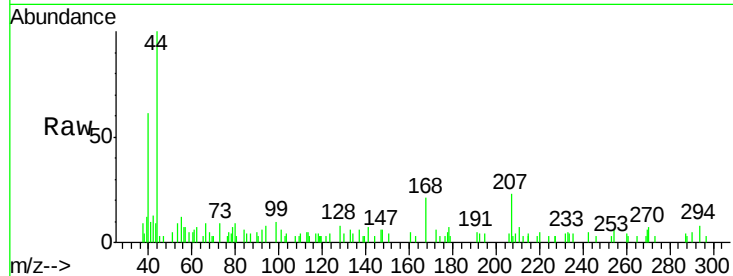
SU-01-051719

Tot Ion:168 Resp: 2012

Ion Ratio Lower Upper

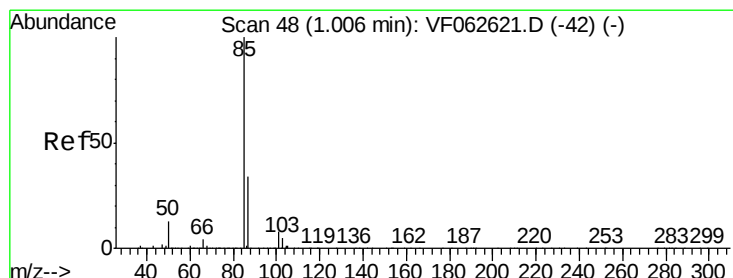
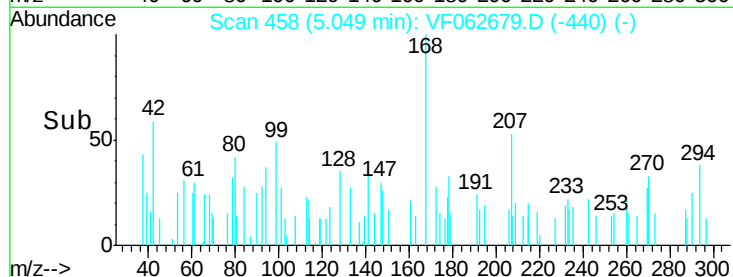
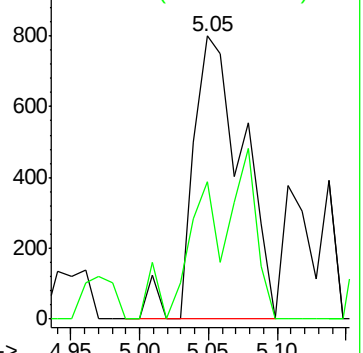
168 100

99 48.6 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 17.275 ug/l

RT: 0.98 min Scan# 45

Delta R.T. -0.03 min

Lab File: VF062679.D

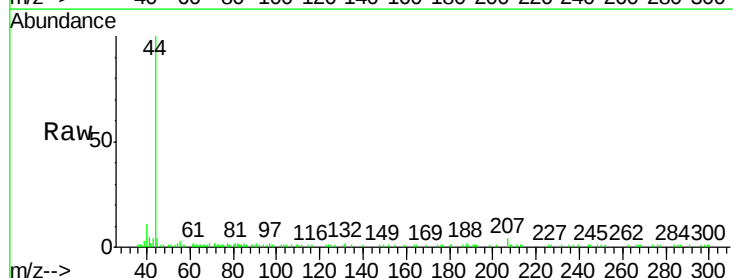
Acq: 21 May 2019 13:07

Tgt Ion: 85 Resp: 473

Ion Ratio Lower Upper

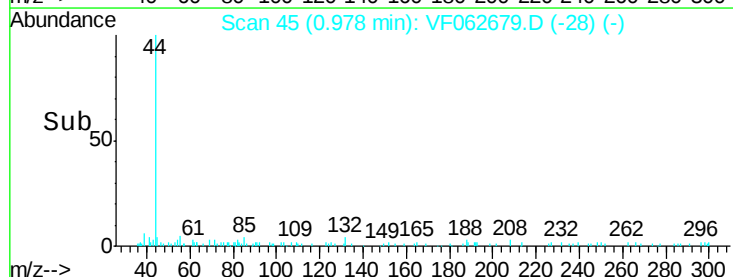
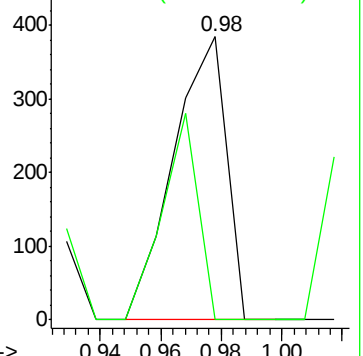
85 100

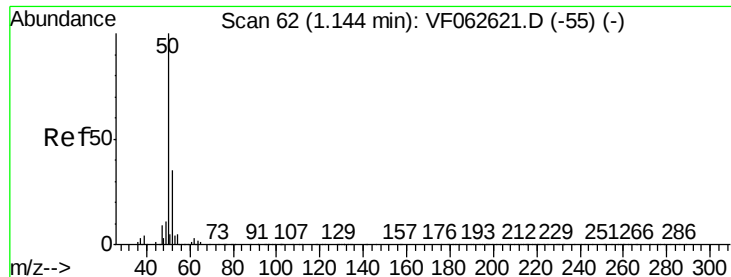
87 0.0 16.8 50.3#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 26.179 ug/l

RT: 1.06 min Scan# 53

Delta R.T. -0.09 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

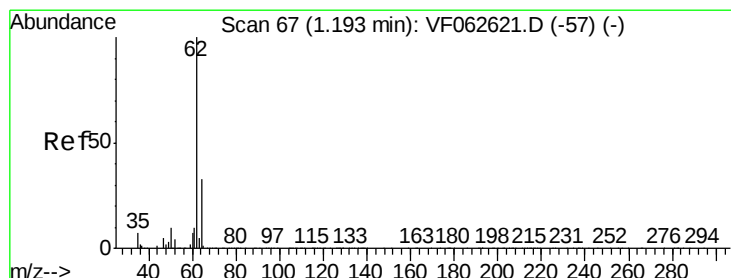
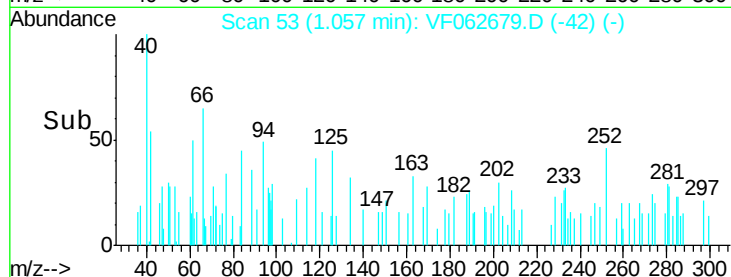
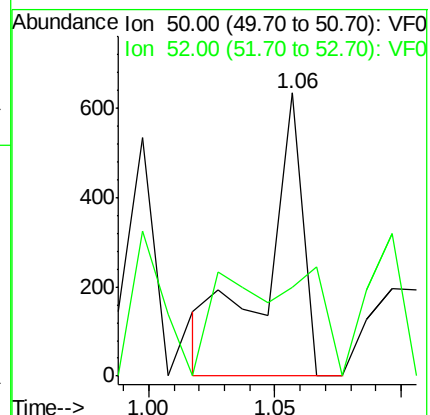
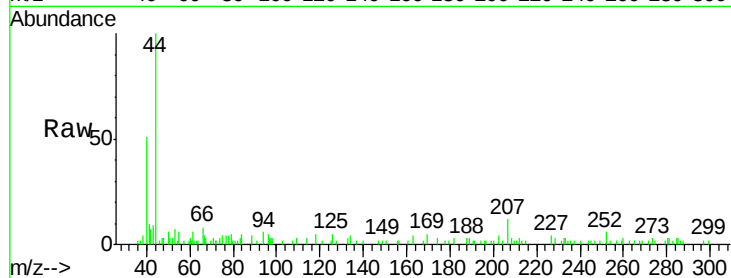
SU-01-051719

Tot Ion: 50 Resp: 660

Ion Ratio Lower Upper

50 100

52 31.4 27.5 41.3



#4

Vinyl Chloride

Concen: 10.040 ug/l

RT: 1.19 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF062679.D

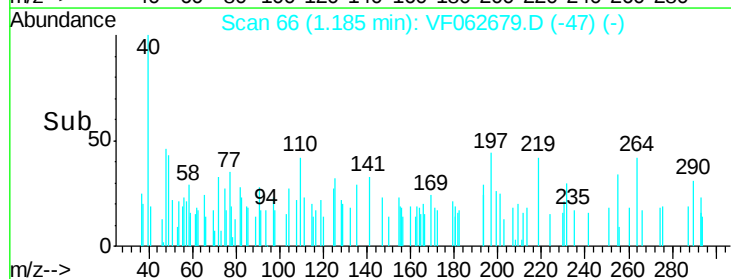
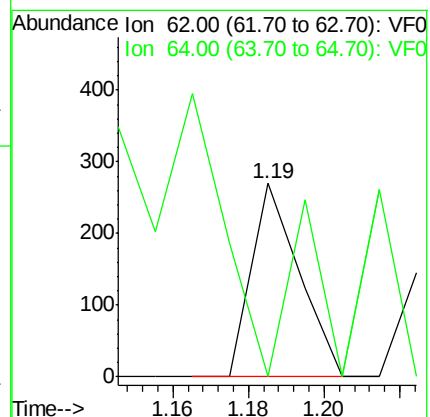
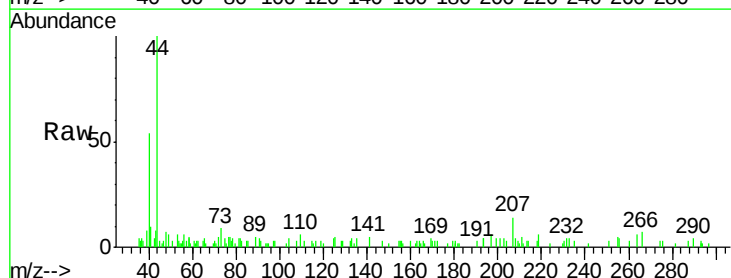
Acq: 21 May 2019 13:07

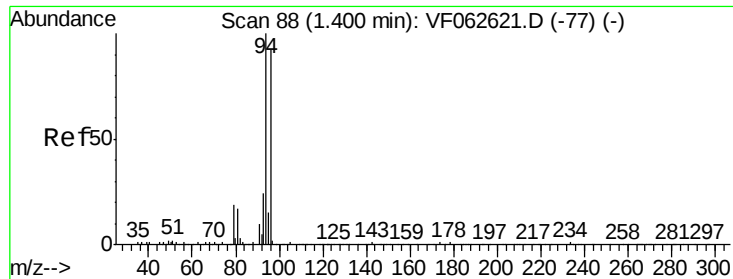
Tgt Ion: 62 Resp: 233

Ion Ratio Lower Upper

62 100

64 0.0 26.7 40.1#





#5

Bromomethane

Concen: 35.445 ug/l

RT: 1.38 min Scan# 86

Delta R.T. -0.02 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

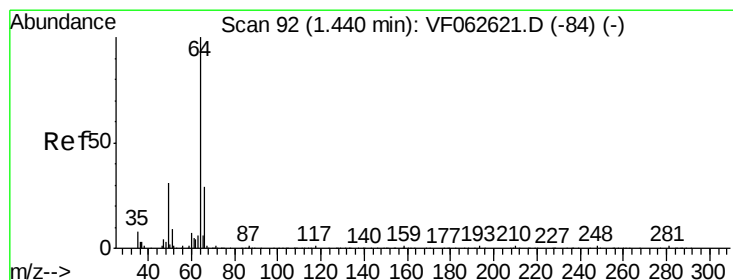
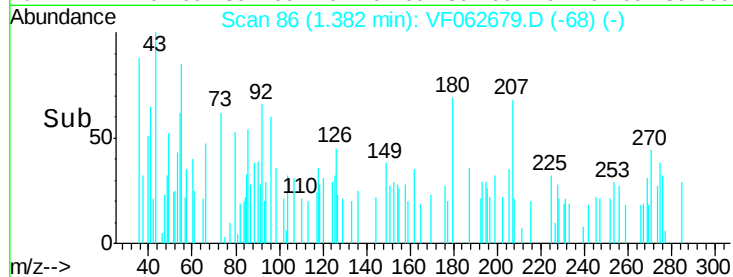
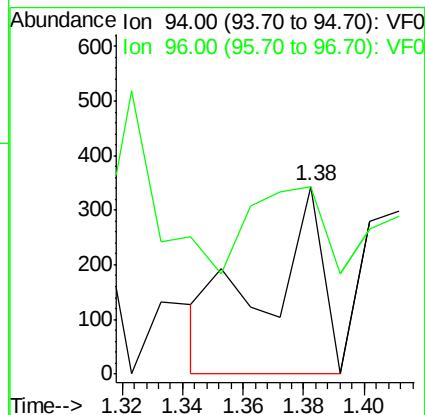
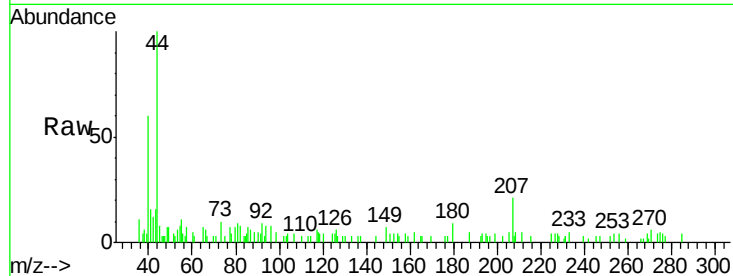
SU-01-051719

Tot Ion: 94 Resp: 450

Ion Ratio Lower Upper

94 100

96 100.3 73.2 109.8



#6

Chloroethane

Concen: 51.625 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.02 min

Lab File: VF062679.D

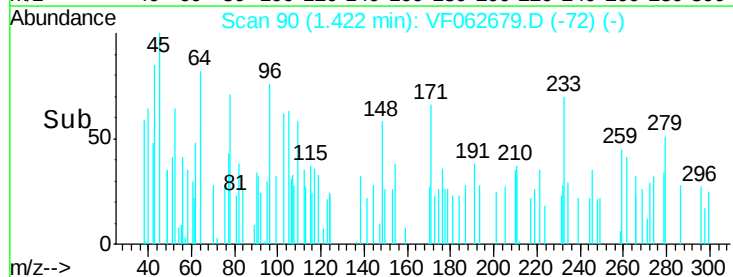
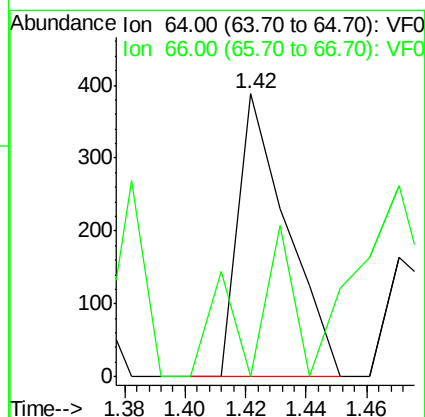
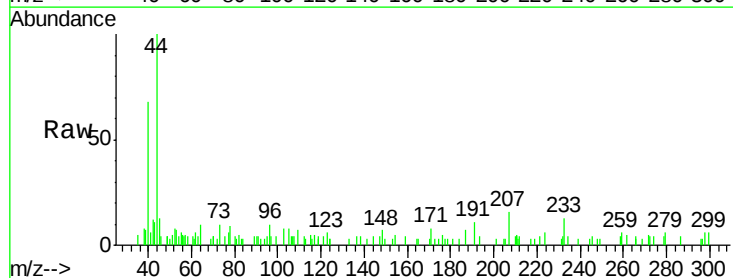
Acq: 21 May 2019 13:07

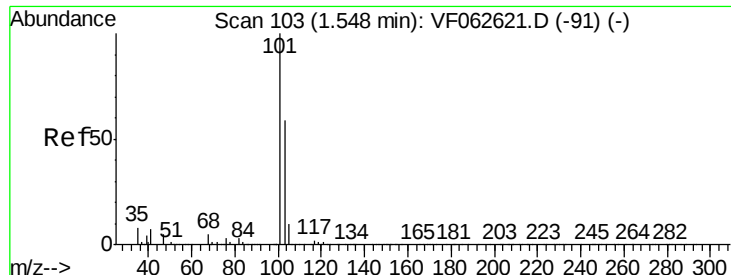
Tgt Ion: 64 Resp: 440

Ion Ratio Lower Upper

64 100

66 0.0 23.4 35.2#





#7

Trichlorofluoromethane

Concen: 6.001 ug/l

RT: 1.51 min Scan# 99

Delta R.T. -0.04 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

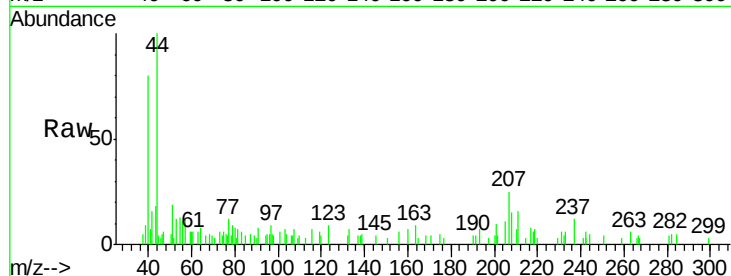
SU-01-051719

Tot Ion:101 Resp: 187

Ion Ratio Lower Upper

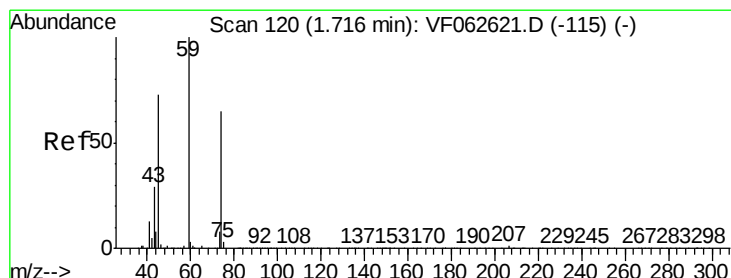
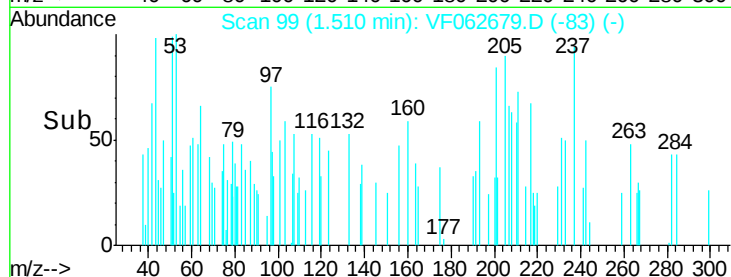
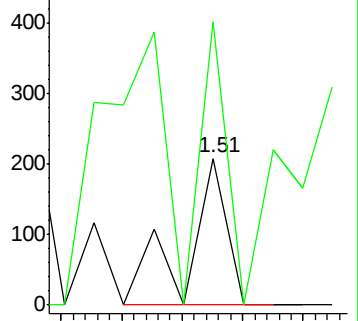
101 100

103 192.8 47.3 70.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 49.247 ug/l

RT: 1.73 min Scan# 121

Delta R.T. 0.01 min

Lab File: VF062679.D

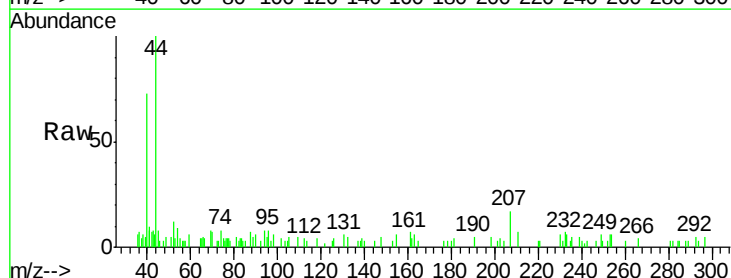
Acq: 21 May 2019 13:07

Tgt Ion: 74 Resp: 304

Ion Ratio Lower Upper

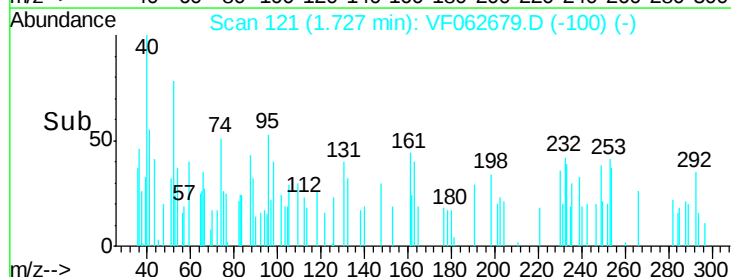
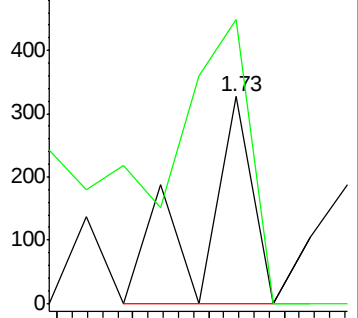
74 100

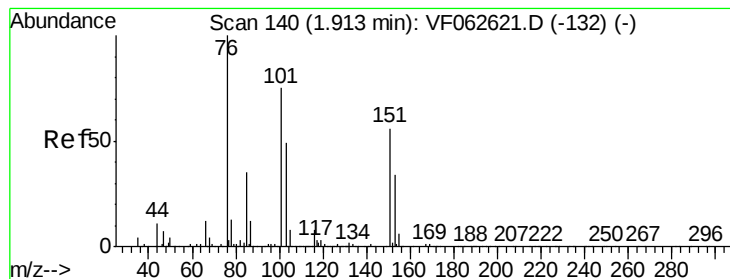
45 137.0 57.0 170.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 14.616 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

SU-01-051719

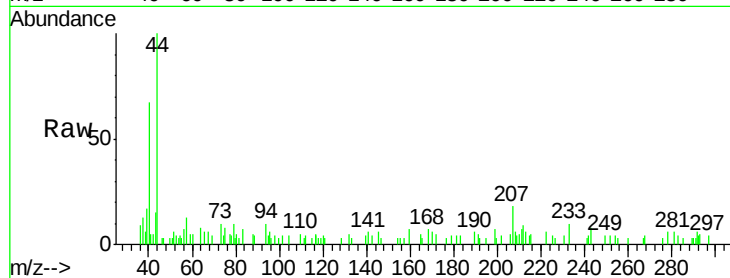
Tot Ion:101 Resp: 290

Ion Ratio Lower Upper

101 100

85 0.0 37.1 55.7#

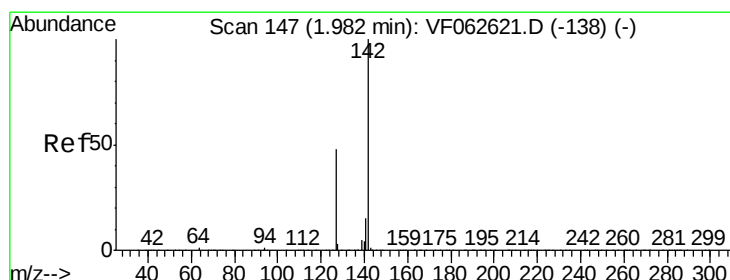
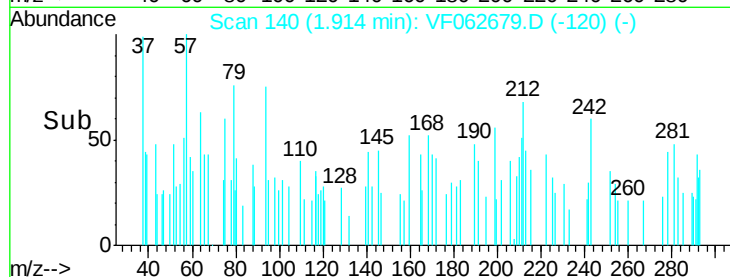
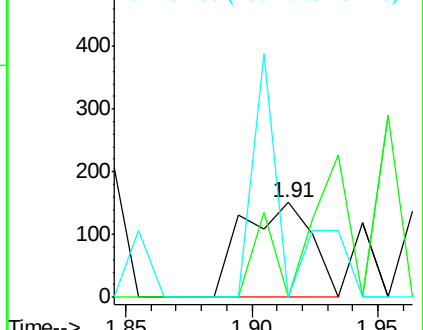
151 0.0 58.8 88.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 9.134 ug/l

RT: 1.99 min Scan# 148

Delta R.T. 0.01 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

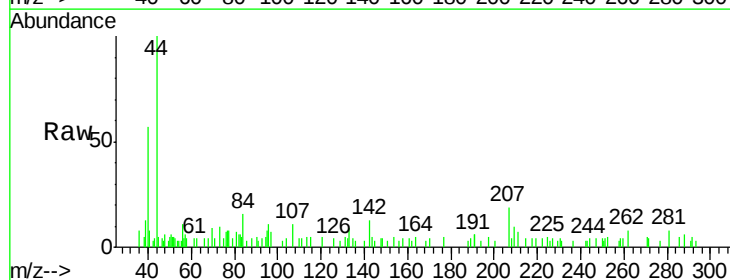
Tgt Ion:142 Resp: 356

Ion Ratio Lower Upper

142 100

127 0.0 38.1 57.1#

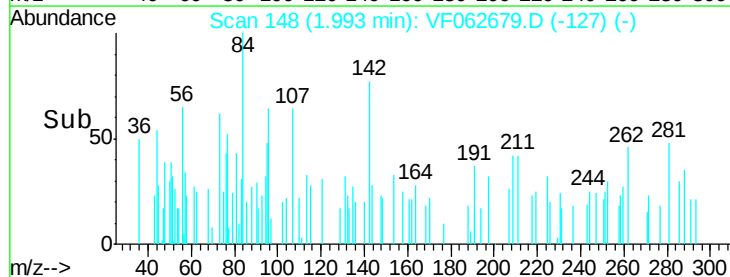
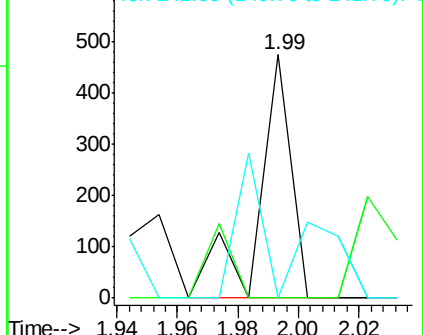
141 0.0 11.7 17.5#

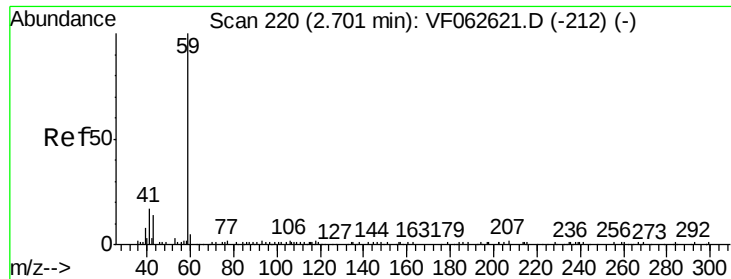


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



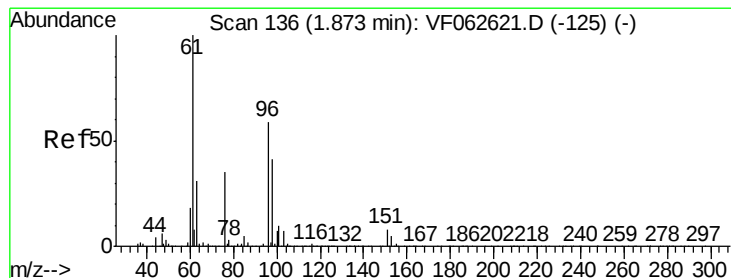
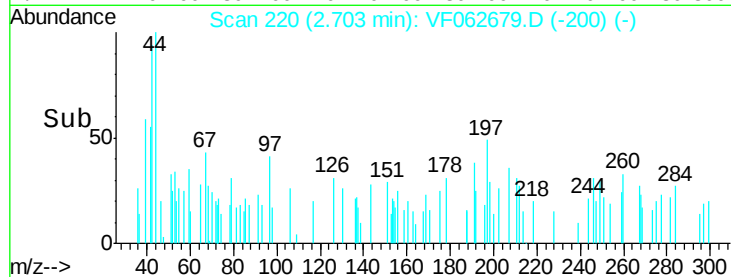
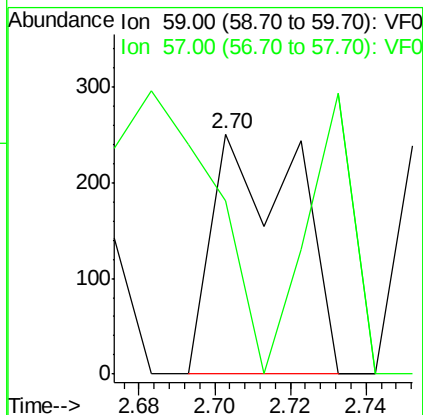
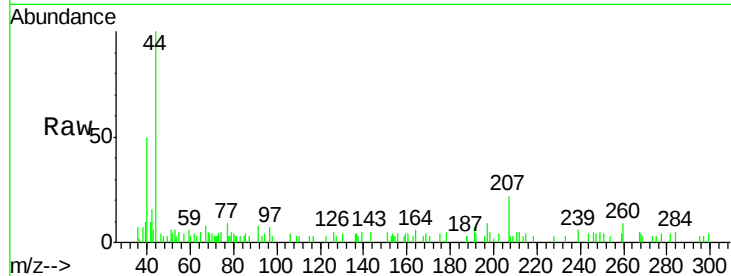


#11

Tert butyl alcohol
 Concen: 409.090 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VF062679.D
 Acq: 21 May 2019 13:07

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-01-051719

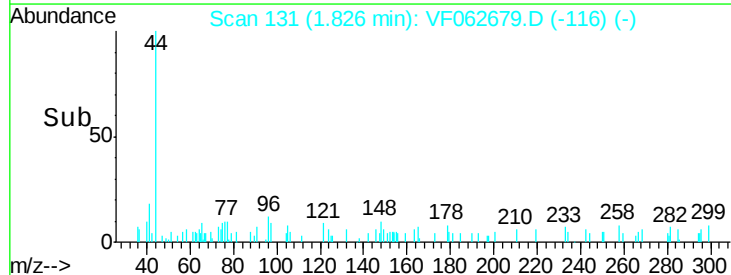
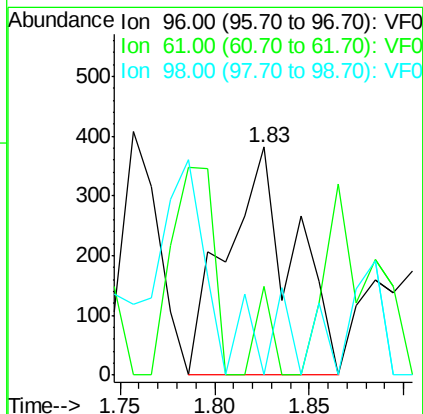
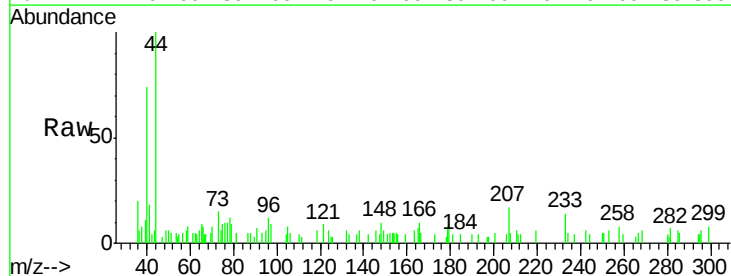
Tot Ion: 59 Resp: 384
 Ion Ratio Lower Upper
 59 100
 57 72.1 9.3 13.9#

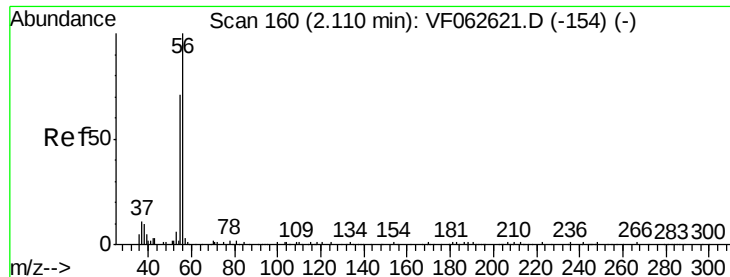


#12

1,1-Dichloroethene
 Concen: 52.173 ug/l
 RT: 1.83 min Scan# 131
 Delta R.T. -0.05 min
 Lab File: VF062679.D
 Acq: 21 May 2019 13:07

Tgt Ion: 96 Resp: 943
 Ion Ratio Lower Upper
 96 100
 61 39.0 134.3 201.5#
 98 0.0 55.0 82.6#

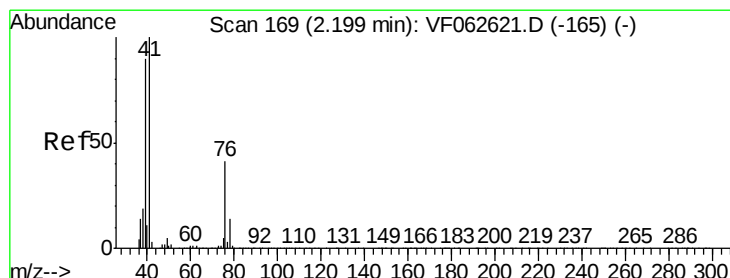
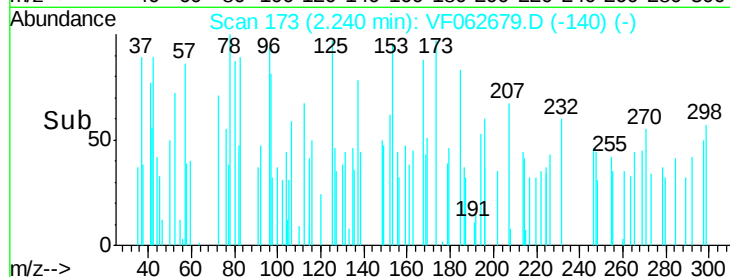
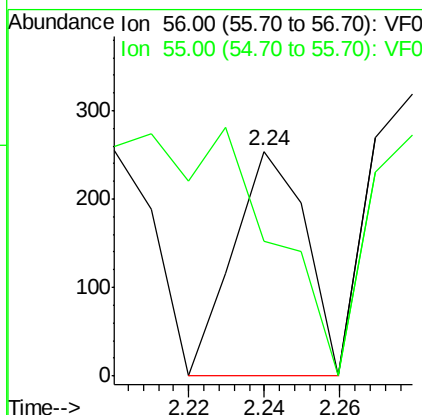
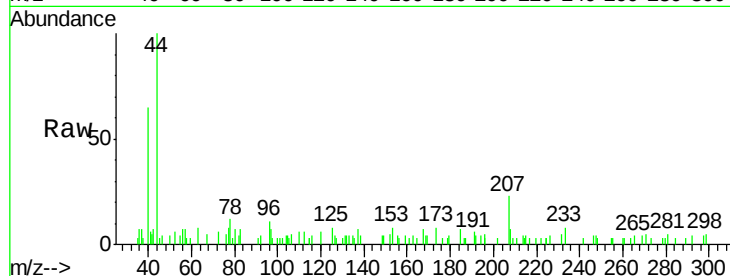




#13
Acrolein
Concen: 341.893 ug/l
RT: 2.24 min Scan# 173
Delta R.T. 0.13 min
Lab File: VF062679.D
Acq: 21 May 2019 13:07

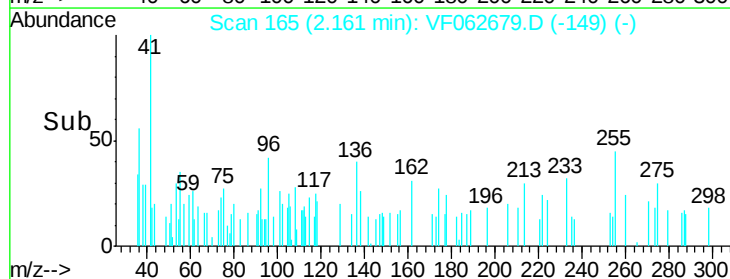
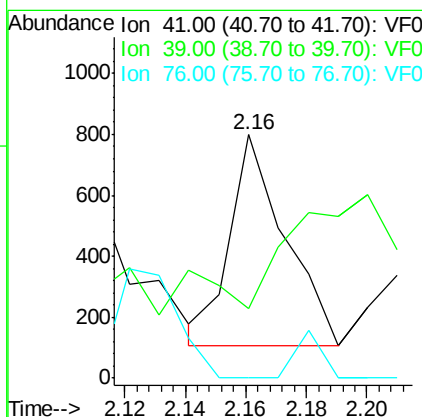
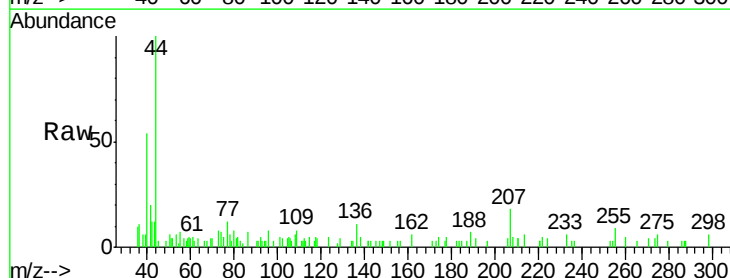
Instrument :
MSVOA_F
ClientSampleId :
SU-01-051719

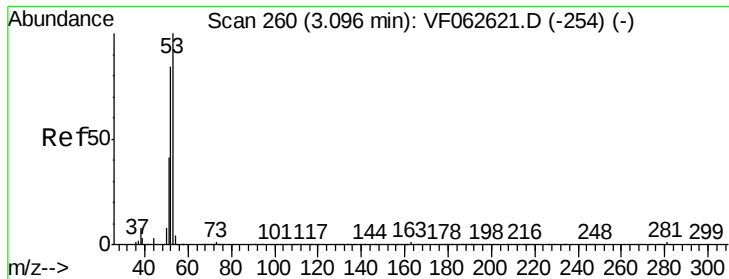
Tot Ion: 56 Resp: 335
Ion Ratio Lower Upper
56 100
55 59.8 59.4 89.0



#14
Allyl chloride
Concen: 53.918 ug/l
RT: 2.16 min Scan# 165
Delta R.T. -0.04 min
Lab File: VF062679.D
Acq: 21 May 2019 13:07

Tgt Ion: 41 Resp: 882
Ion Ratio Lower Upper
41 100
39 28.5 72.0 108.0#
76 0.0 34.8 52.2#





#15

Acrylonitrile

Concen: 192.233 ug/l

RT: 2.94 min Scan# 244

Delta R.T. -0.16 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

SU-01-051719

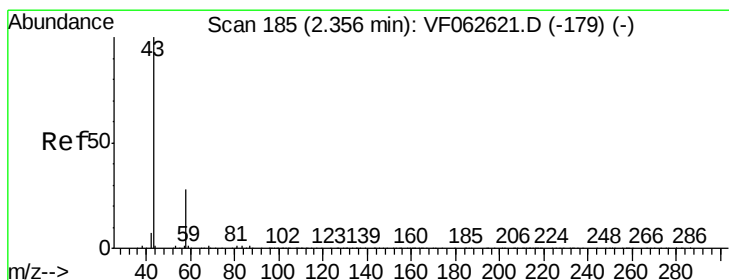
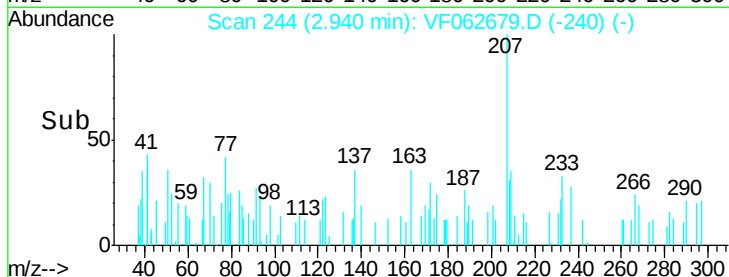
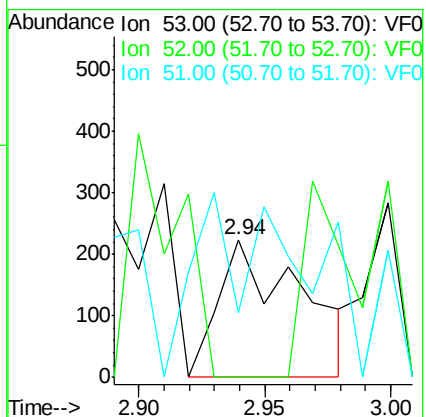
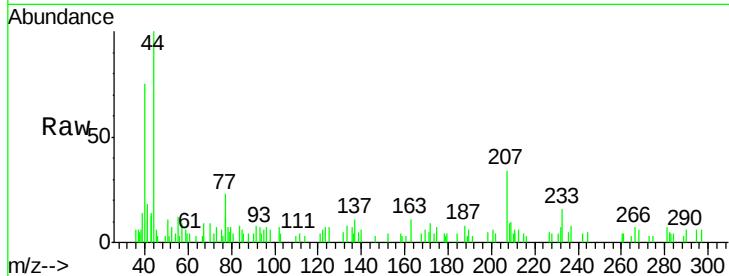
Tot Ion: 53 Resp: 509

Ion Ratio Lower Upper

53 100

52 100.0 67.3 100.9

51 46.4 33.0 49.6



#16

Acetone

Concen: 152.092 ug/l

RT: 2.41 min Scan# 190

Delta R.T. 0.05 min

Lab File: VF062679.D

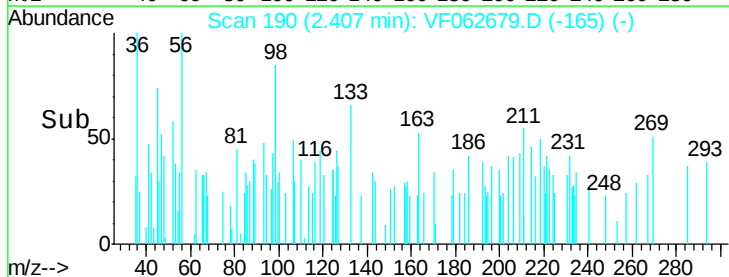
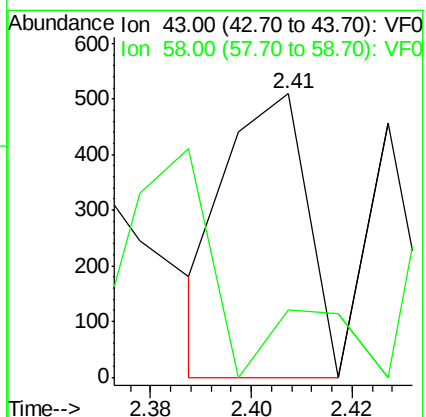
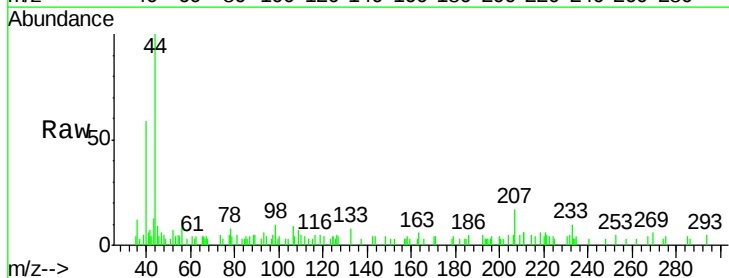
Acq: 21 May 2019 13:07

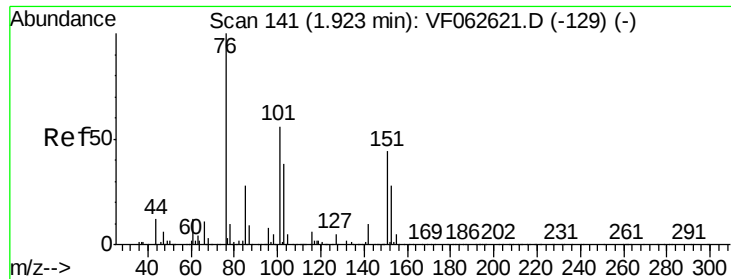
Tgt Ion: 43 Resp: 561

Ion Ratio Lower Upper

43 100

58 23.8 22.6 33.8

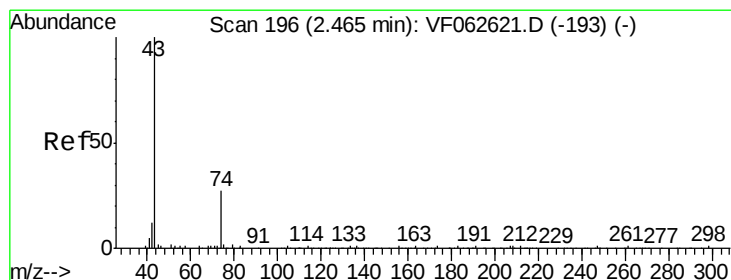
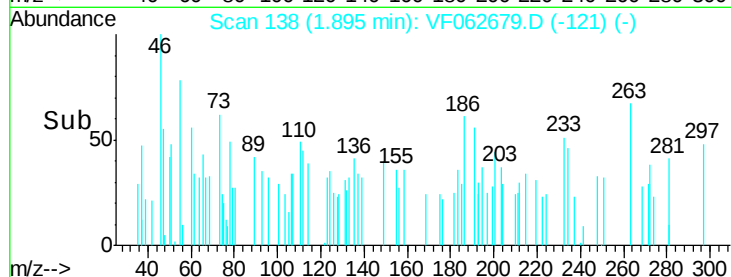
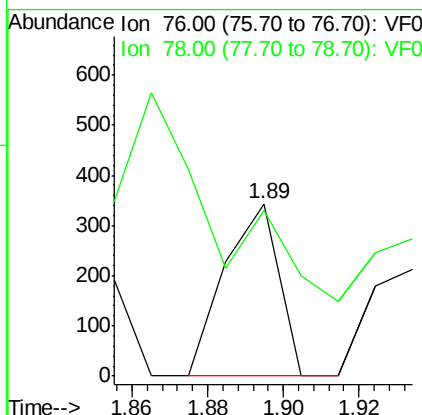
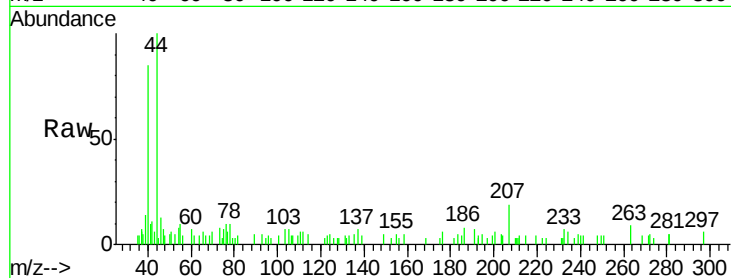




#17
Carbon Disulfide
Concen: 6.309 ug/l
RT: 1.89 min Scan# 138
Delta R.T. -0.03 min
Lab File: VF062679.D
Acq: 21 May 2019 13:07

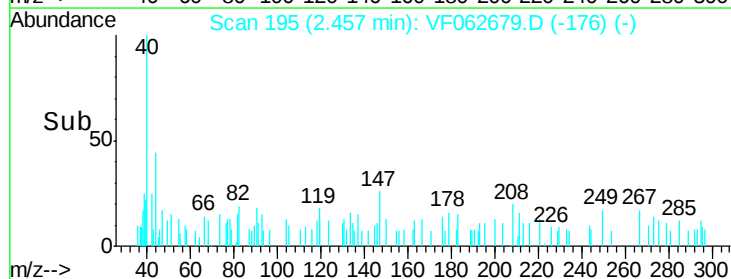
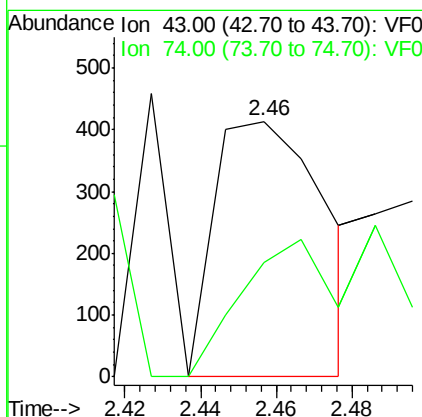
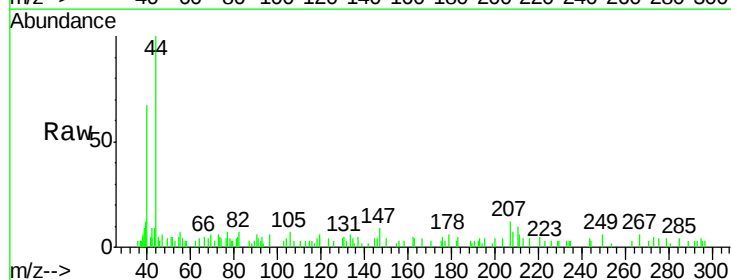
Instrument :
MSVOA_F
ClientSampled :
SU-01-051719

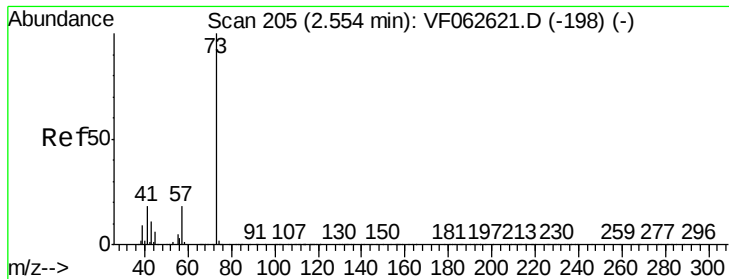
Tot Ion: 76 Resp: 338
Ion Ratio Lower Upper
76 100
78 96.5 8.4 12.6#



#18
Methyl Acetate
Concen: 144.402 ug/l
RT: 2.46 min Scan# 195
Delta R.T. -0.01 min
Lab File: VF062679.D
Acq: 21 May 2019 13:07

Tgt Ion: 43 Resp: 837
Ion Ratio Lower Upper
43 100
74 44.9 18.9 28.3#



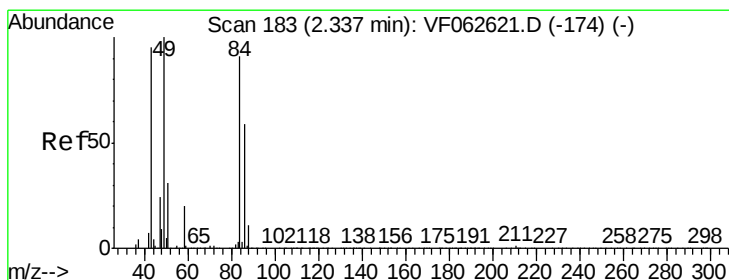
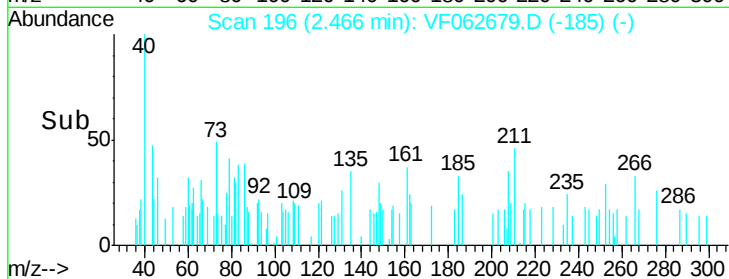
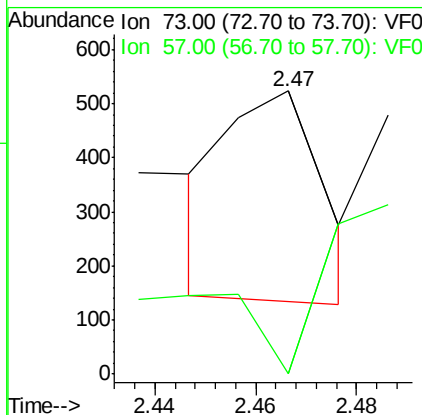
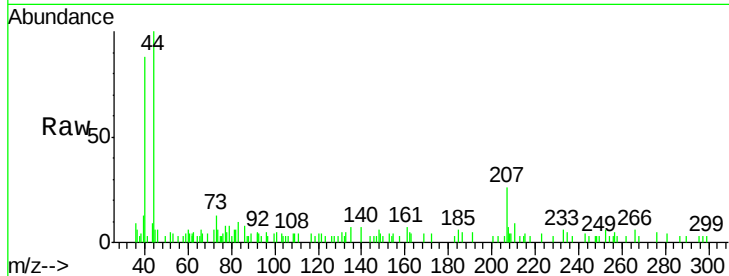


#19

Methyl tert-butyl Ether
 Concen: 15.784 ug/l
 RT: 2.47 min Scan# 196
 Delta R.T. -0.09 min
 Lab File: VF062679.D
 Acq: 21 May 2019 13:07

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-01-051719

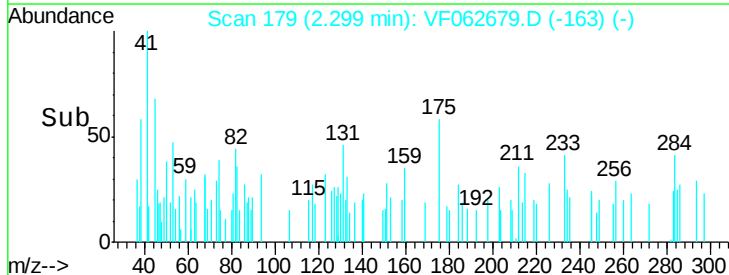
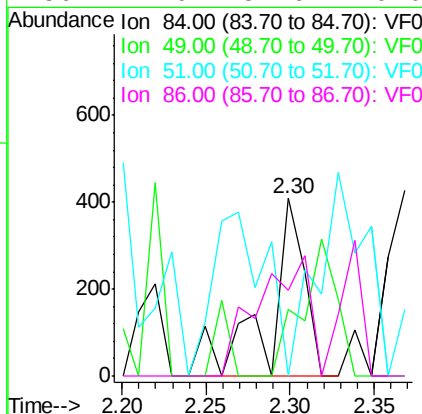
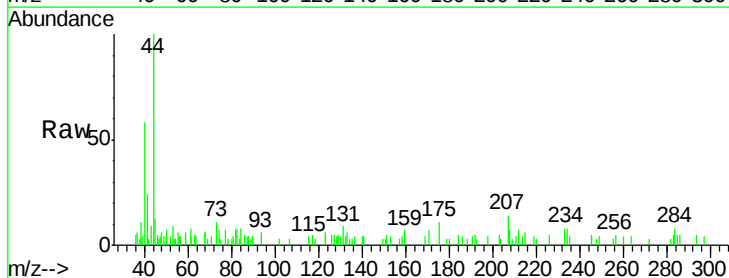
Tot Ion: 73 Resp: 510
 Ion Ratio Lower Upper
 73 100
 57 20.1 14.2 21.4

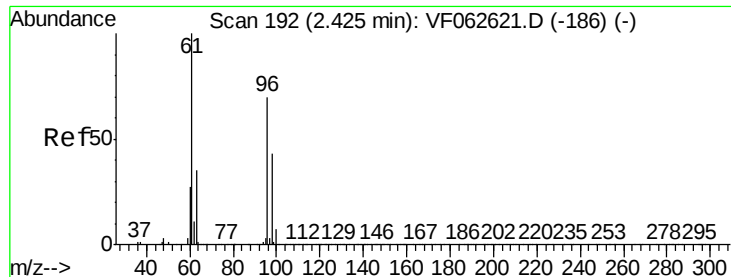


#20

Methylene Chloride
 Concen: 32.723 ug/l
 RT: 2.30 min Scan# 179
 Delta R.T. -0.04 min
 Lab File: VF062679.D
 Acq: 21 May 2019 13:07

Tgt Ion: 84 Resp: 605
 Ion Ratio Lower Upper
 84 100
 49 37.4 89.8 134.8#
 51 0.0 28.4 42.6#
 86 47.9 52.6 79.0#





#21

trans-1,2-Dichloroethene

Concen: 29.038 ug/l

RT: 2.42 min Scan# 191

Delta R.T. -0.01 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

SU-01-051719

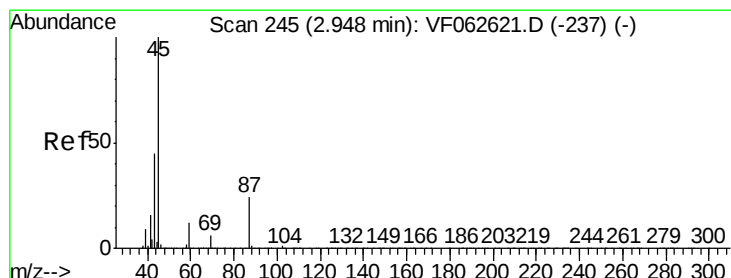
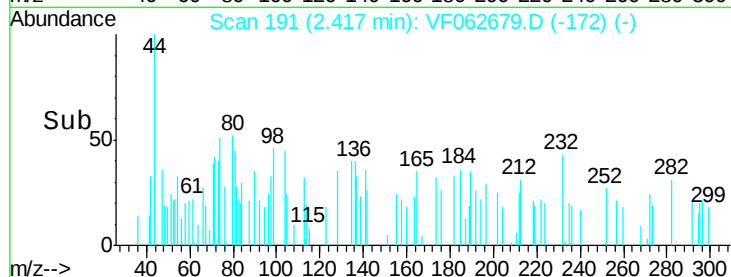
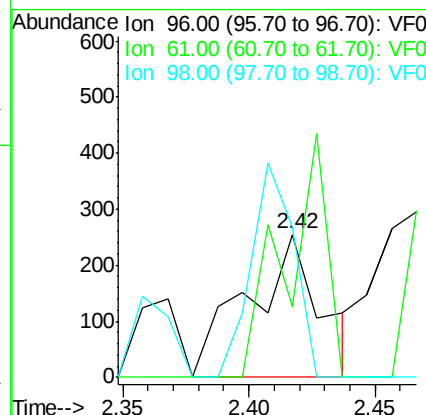
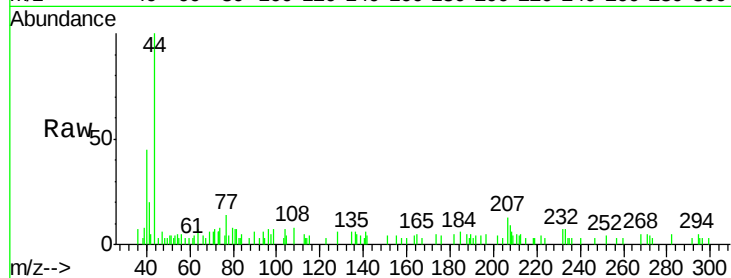
Tot Ion: 96 Resp: 513

Ion Ratio Lower Upper

96 100

61 49.8 114.6 171.8#

98 105.1 49.5 74.3#



#22

Diisopropyl ether

Concen: 23.770 ug/l

RT: 2.92 min Scan# 242

Delta R.T. -0.03 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

Tgt Ion: 45 Resp: 959

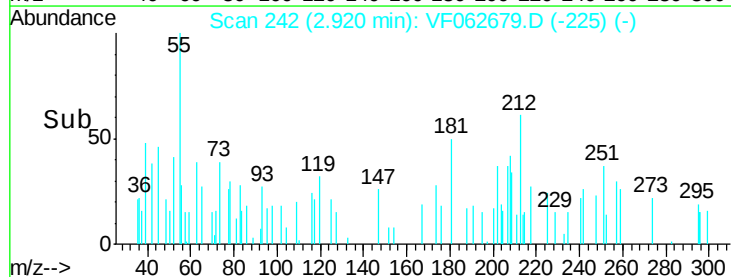
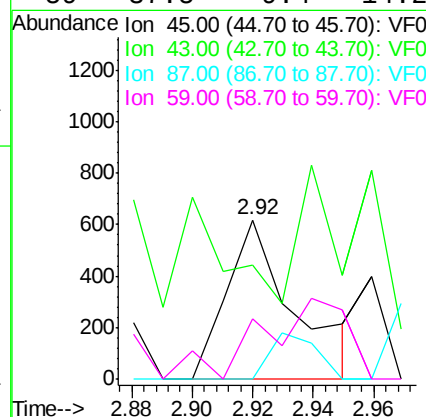
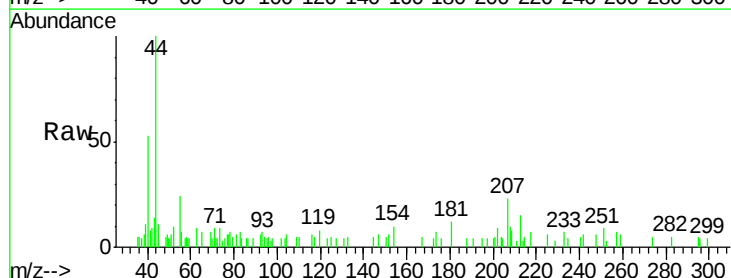
Ion Ratio Lower Upper

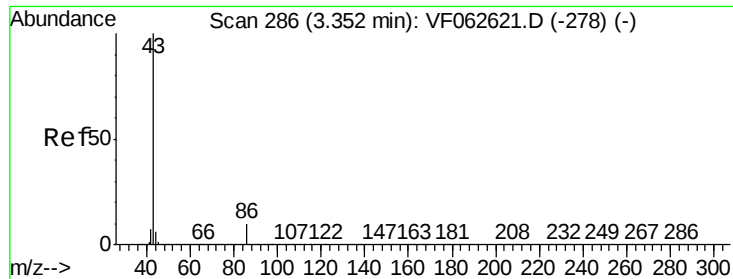
45 100

43 71.2 36.4 54.6#

87 0.0 19.3 28.9#

59 37.5 9.4 14.2#





#23

Vinyl Acetate

Concen: 41.483 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.02 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

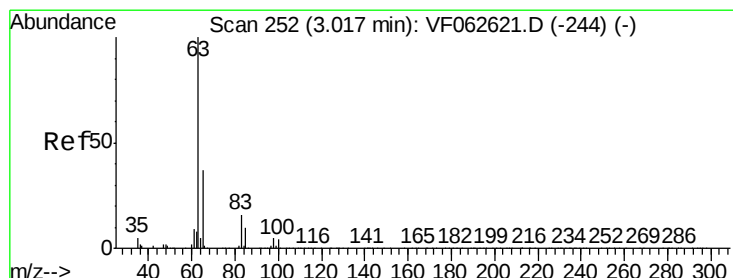
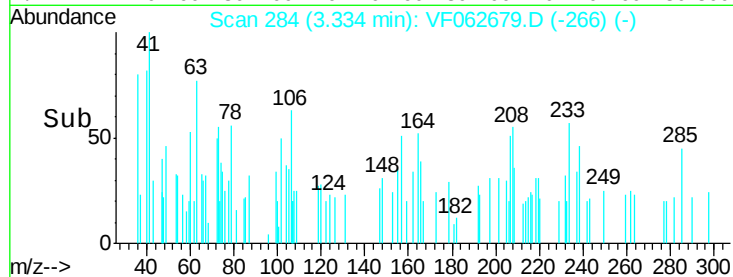
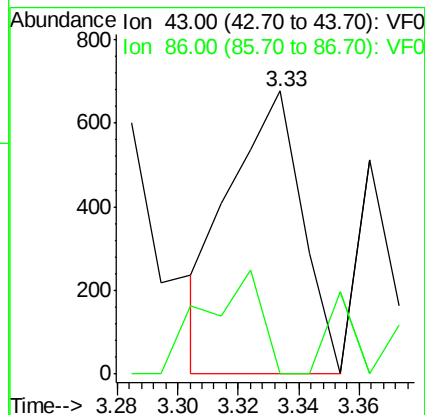
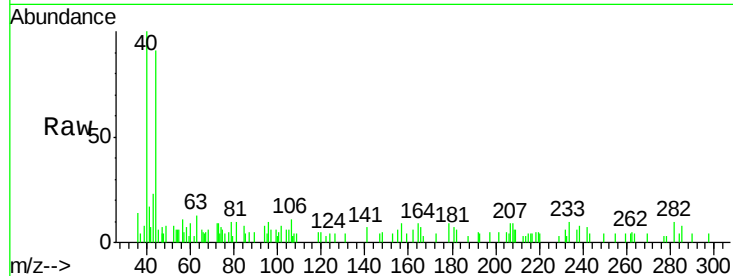
SU-01-051719

Tot Ion: 43 Resp: 1129

Ion Ratio Lower Upper

43 100

86 0.0 8.2 12.2#



#24

1,1-Dichloroethane

Concen: 5.744 ug/l

RT: 2.99 min Scan# 249

Delta R.T. -0.03 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

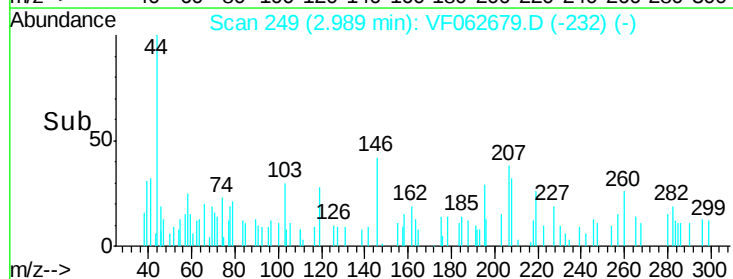
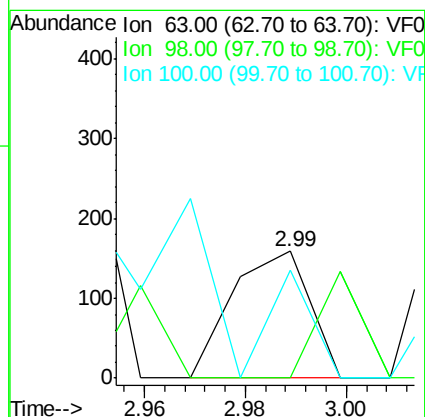
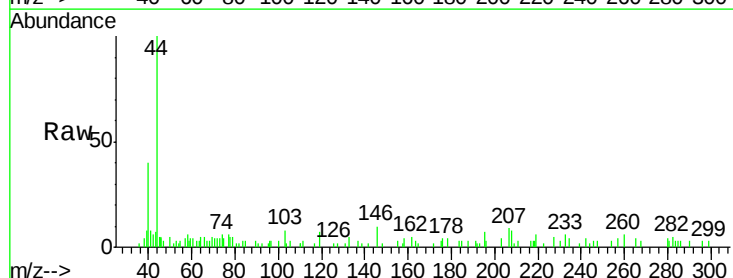
Tgt Ion: 63 Resp: 170

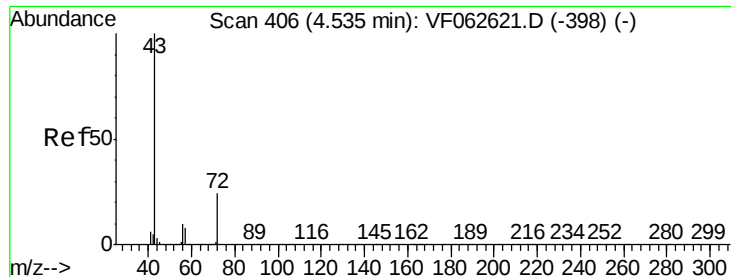
Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.3#

100 85.5 1.9 5.7#





#25

2-Butanone

Concen: 83.370 ug/l

RT: 4.57 min Scan# 409

Delta R.T. 0.03 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

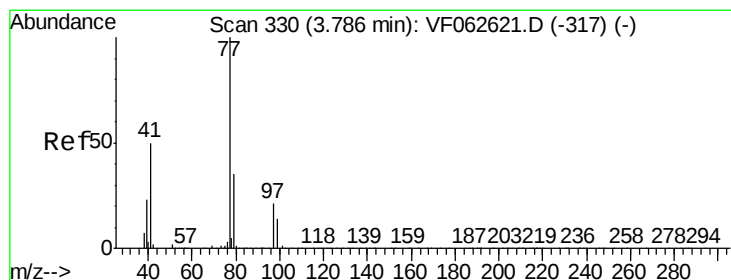
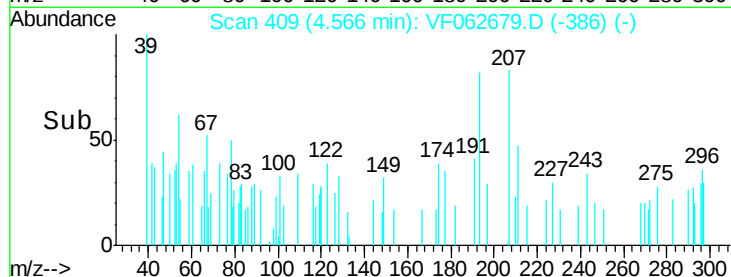
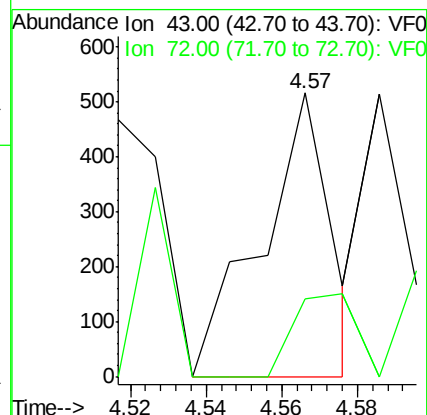
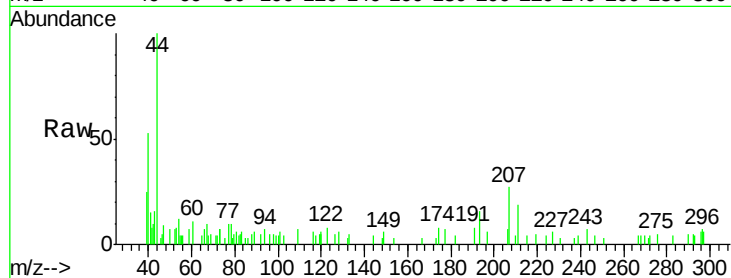
SU-01-051719

Tot Ion: 43 Resp: 657

Ion Ratio Lower Upper

43 100

72 27.5 20.1 30.1



#26

2,2-Dichloropropane

Concen: 59.227 ug/l

RT: 3.77 min Scan# 328

Delta R.T. -0.02 min

Lab File: VF062679.D

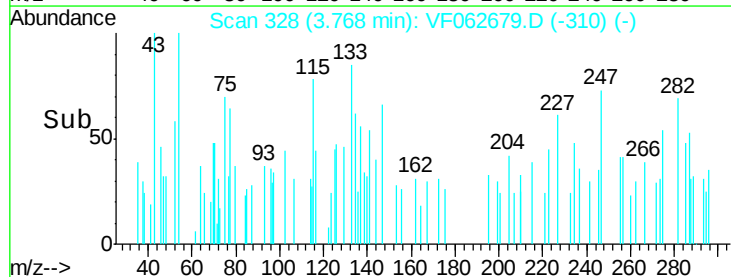
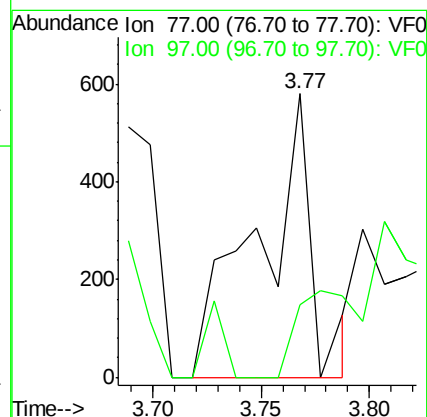
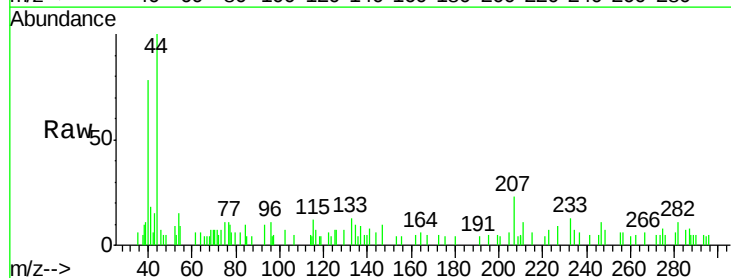
Acq: 21 May 2019 13:07

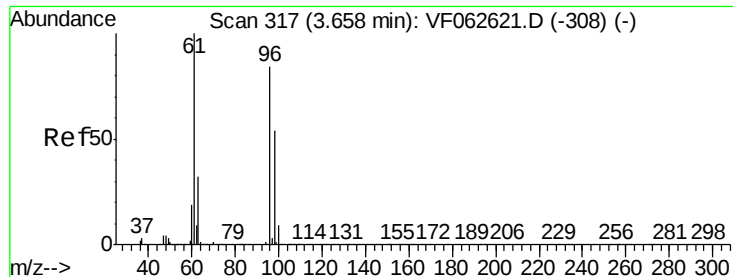
Tgt Ion: 77 Resp: 1003

Ion Ratio Lower Upper

77 100

97 25.5 14.1 42.4



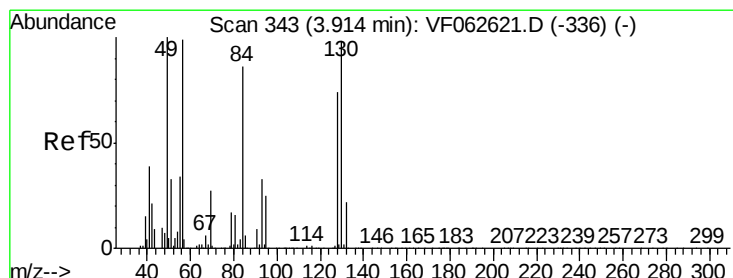
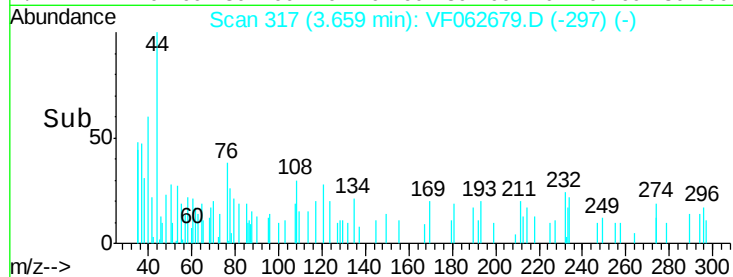
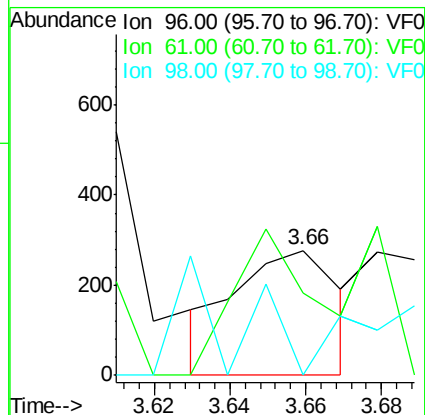
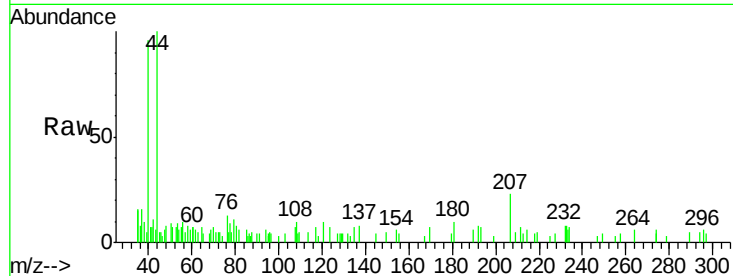


#27

cis-1,2-Dichloroethene
Concen: 17.963 ug/l
RT: 3.66 min Scan# 317
Delta R.T. 0.00 min
Lab File: VF062679.D
Acq: 21 May 2019 13:07

Instrument :
MSVOA_F
ClientSampleId :
SU-01-051719

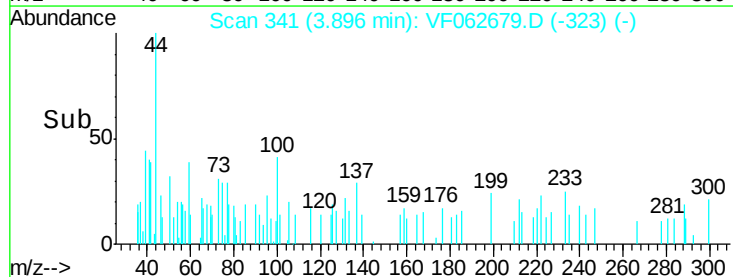
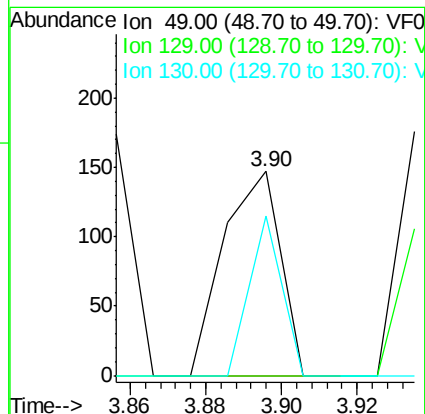
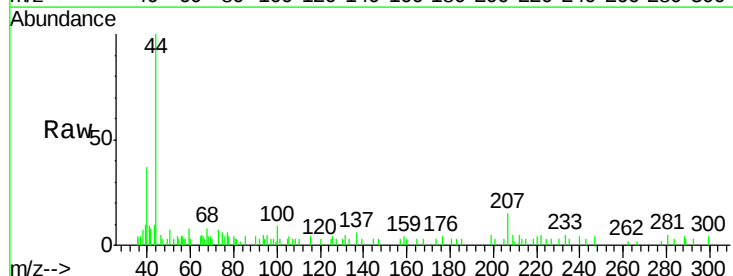
Tot Ion: 96 Resp: 522
Ion Ratio Lower Upper
96 100
61 66.1 0.0 237.4
98 0.0 0.0 129.0

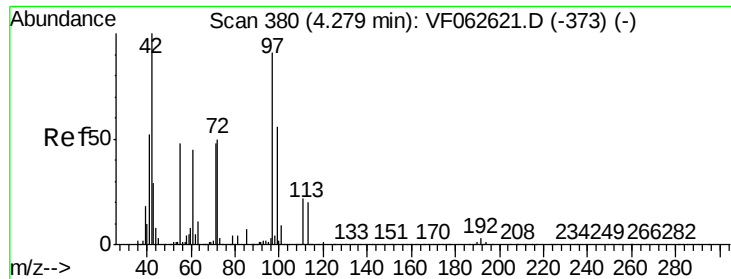


#28

Bromochloromethane
Concen: 9.157 ug/l
RT: 3.90 min Scan# 341
Delta R.T. -0.02 min
Lab File: VF062679.D
Acq: 21 May 2019 13:07

Tgt Ion: 49 Resp: 152
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 78.2 77.8 116.8





#29

Tetrahydrofuran

Concen: 208.216 ug/l

RT: 4.10 min Scan# 362

Delta R.T. -0.18 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

SU-01-051719

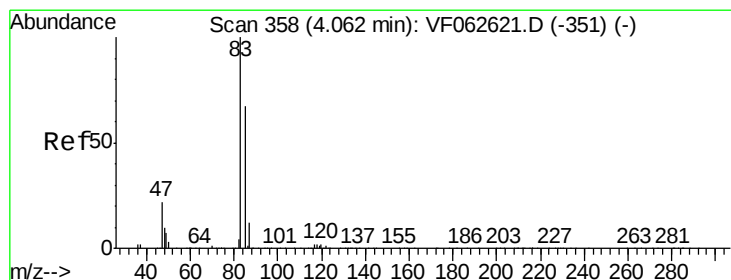
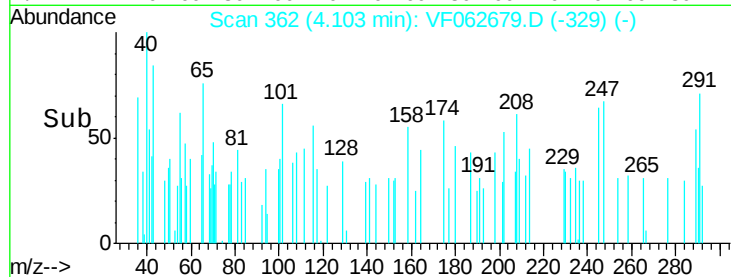
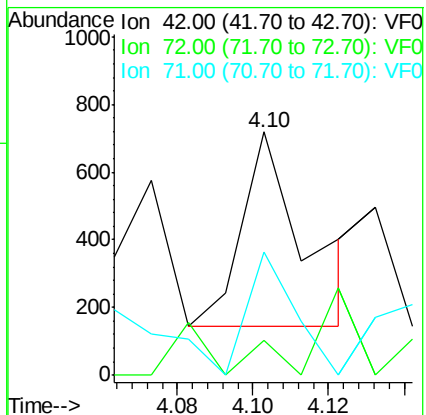
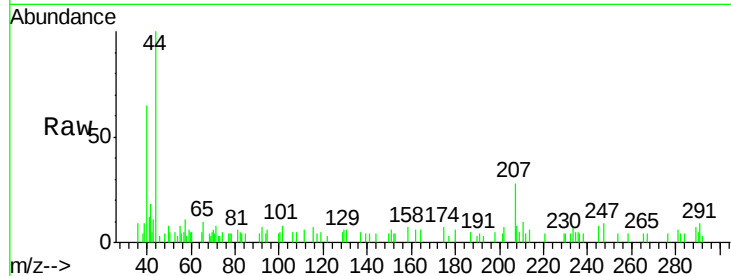
Tot Ion: 42 Resp: 664

Ion Ratio Lower Upper

42 100

72 41.7 38.2 57.2

71 46.4 35.8 53.6



#30

Chloroform

Concen: 6.741 ug/l

RT: 4.03 min Scan# 355

Delta R.T. -0.03 min

Lab File: VF062679.D

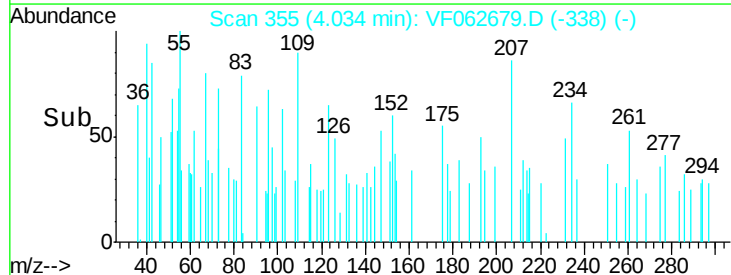
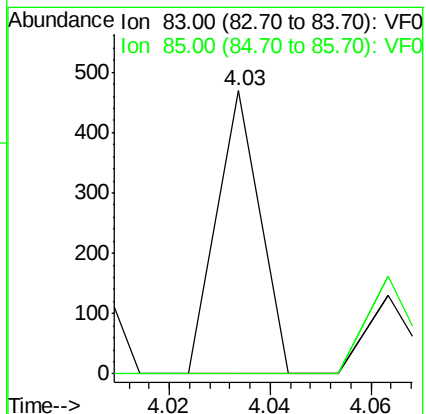
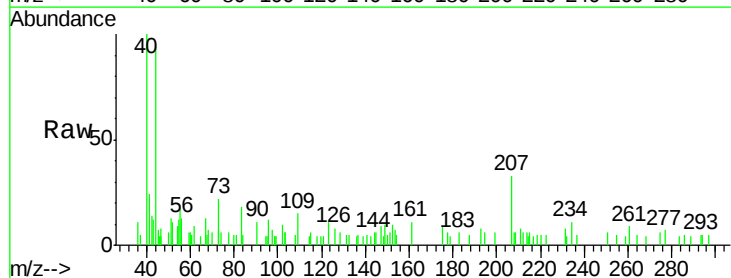
Acq: 21 May 2019 13:07

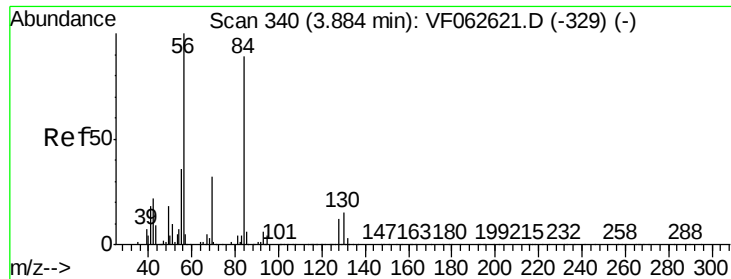
Tgt Ion: 83 Resp: 277

Ion Ratio Lower Upper

83 100

85 0.0 53.6 80.4#

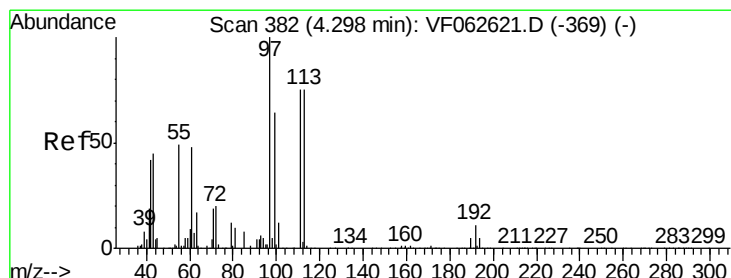
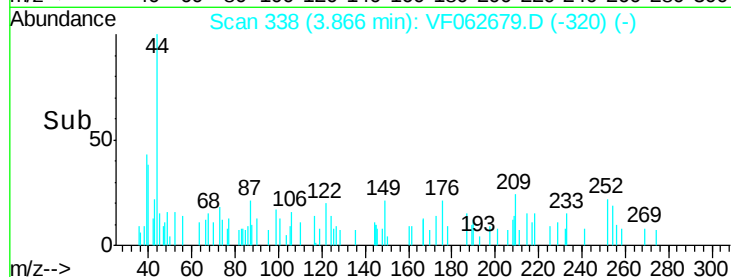
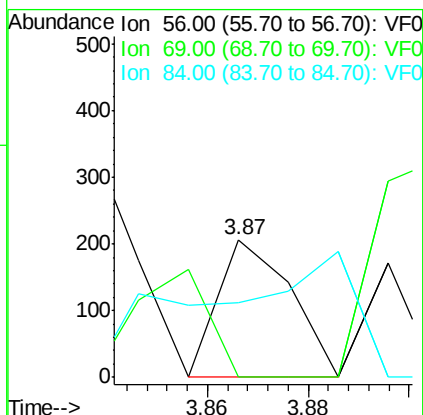
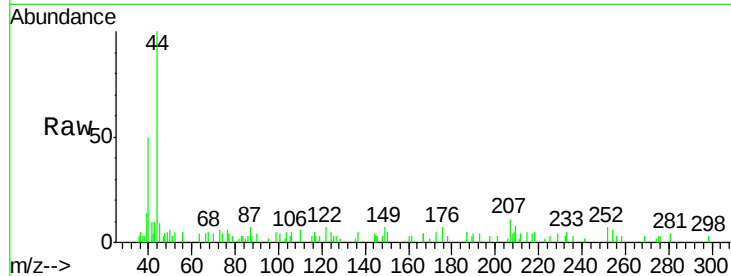




#31
Cvclohexane
Concen: 5.184 ug/l
RT: 3.87 min Scan# 338
Delta R.T. -0.02 min
Lab File: VF062679.D
Acq: 21 May 2019 13:07

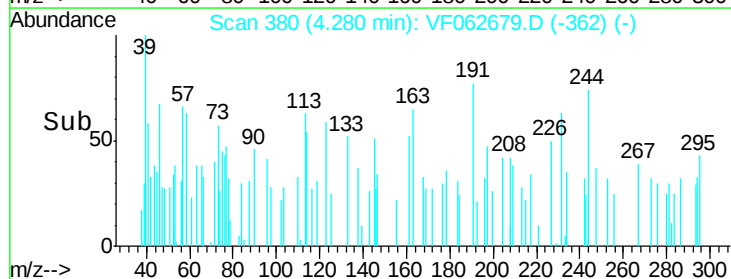
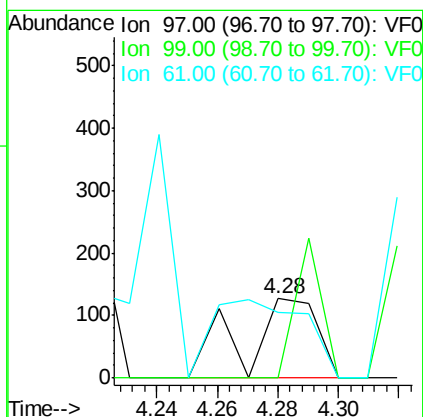
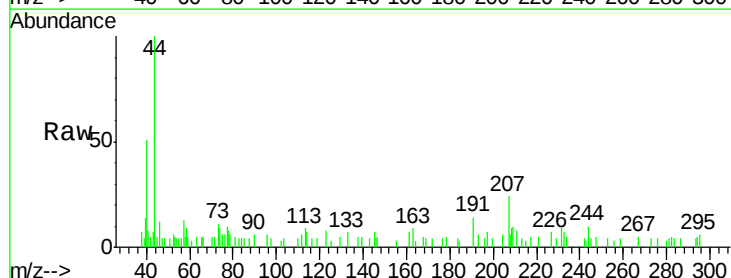
Instrument :
MSVOA_F
ClientSampleId :
SU-01-051719

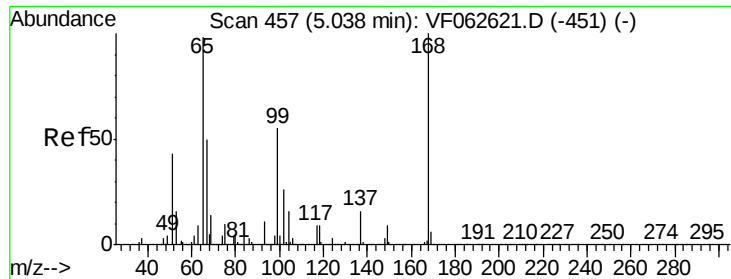
Tot Ion: 56 Resp: 206
Ion Ratio Lower Upper
56 100
69 79.1 25.3 37.9#
84 54.4 71.0 106.4#



#32
1,1,1-Trichloroethane
Concen: 7.768 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.02 min
Lab File: VF062679.D
Acq: 21 May 2019 13:07

Tgt Ion: 97 Resp: 212
Ion Ratio Lower Upper
97 100
99 0.0 51.3 76.9#
61 82.7 38.2 57.2#





#33

1,2-Dichloroethane-d4

Concen: 14.981 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.02 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

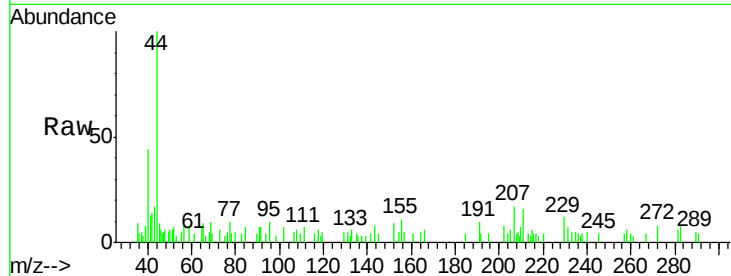
SU-01-051719

Tot Ion: 65 Resp: 213

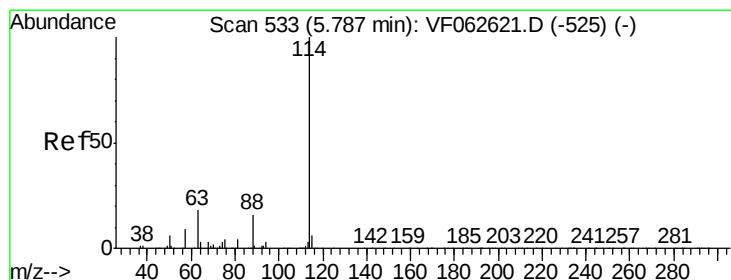
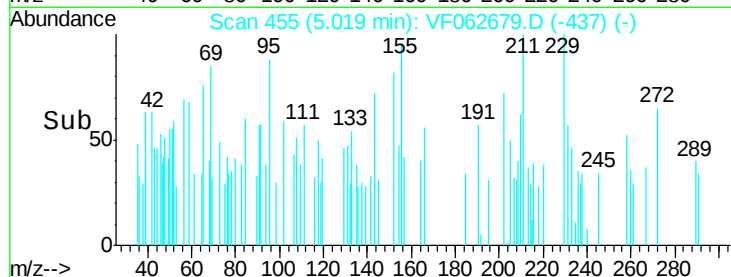
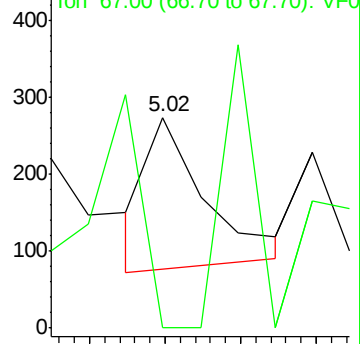
Ion Ratio Lower Upper

65 100

67 0.0 0.0 117.6



Abundance Ion 65.00 (64.70 to 65.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 543

Delta R.T. 0.10 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

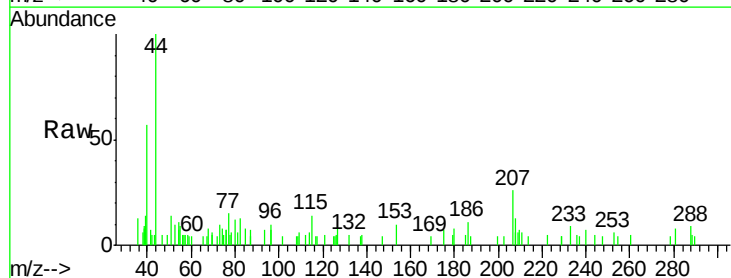
Tgt Ion: 114 Resp: 98

Ion Ratio Lower Upper

114 100

63 0.0 0.0 35.4

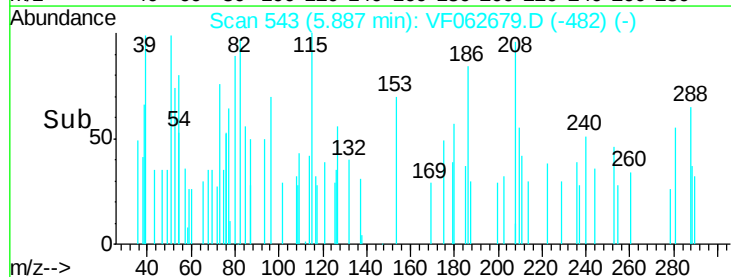
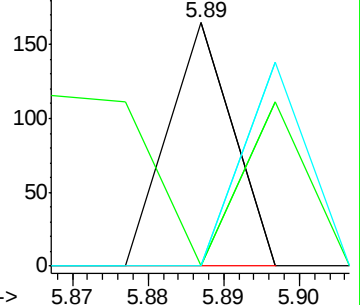
88 0.0 0.0 32.4

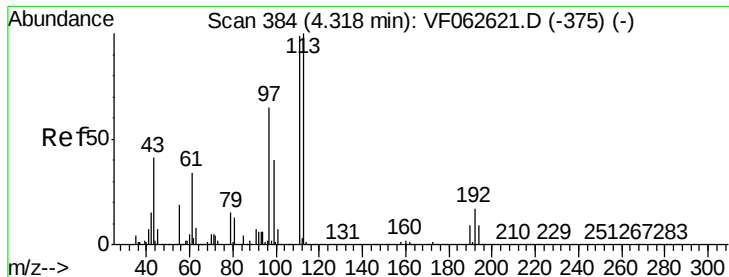


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

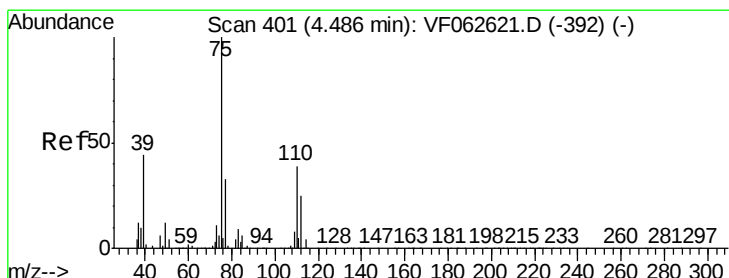
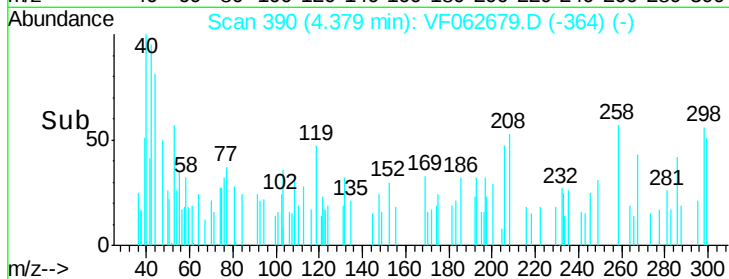
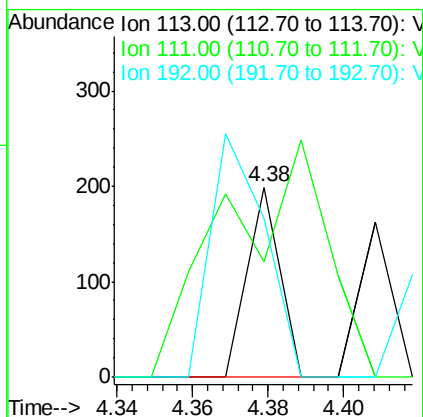
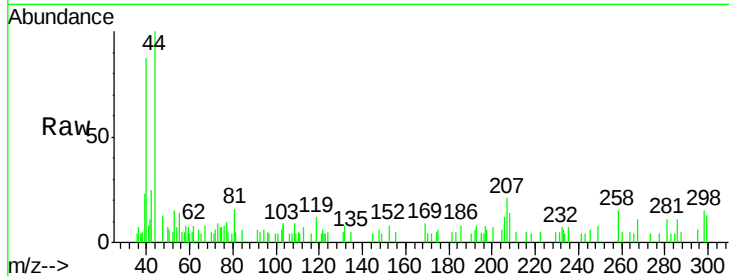




#35
 Dibromofluoromethane
 Concen: 157.354 ug/l
 RT: 4.38 min Scan# 390
 Delta R.T. 0.06 min
 Lab File: VF062679.D
 Acq: 21 May 2019 13:07

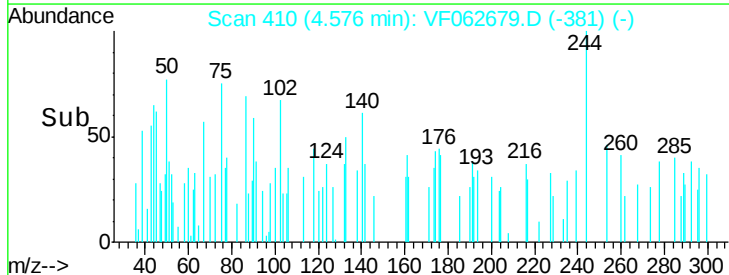
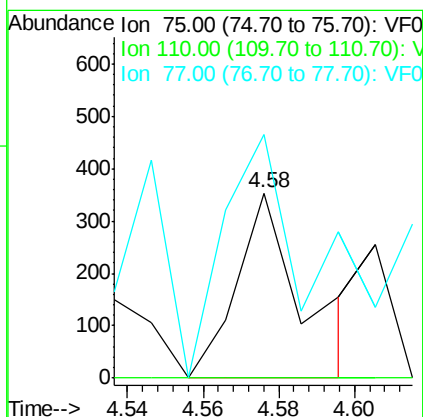
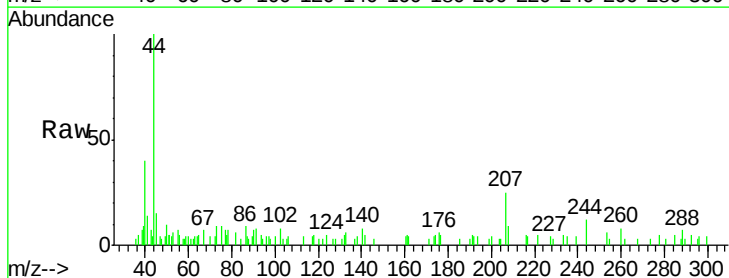
Instrument :
 MSVOA_F
 ClientSampleId :
 SU-01-051719

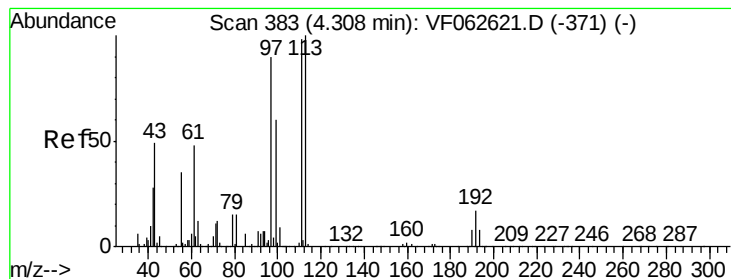
Tot Ion: 113 Resp: 118
 Ion Ratio Lower Upper
 113 100
 111 60.8 79.4 119.2#
 192 83.4 13.4 20.2#



#36
 1,1-Dichloropropene
 Concen: 426.211 ug/l
 RT: 4.58 min Scan# 410
 Delta R.T. 0.09 min
 Lab File: VF062679.D
 Acq: 21 May 2019 13:07

Tgt Ion: 75 Resp: 428
 Ion Ratio Lower Upper
 75 100
 110 0.0 19.7 59.1#
 77 131.7 26.3 39.5#





#37

Ethyl Acetate

Concen: 1921.879 ug/l

RT: 4.40 min Scan# 392

Delta R.T. 0.09 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

SU-01-051719

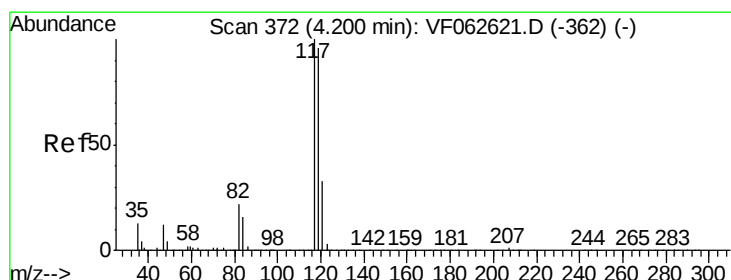
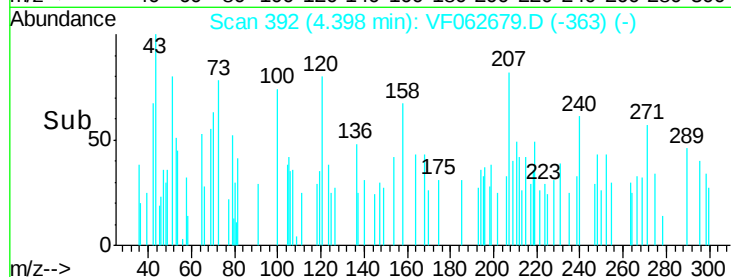
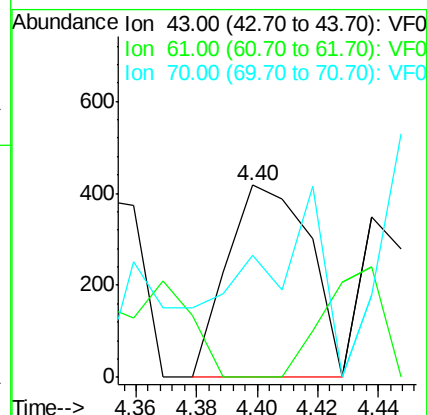
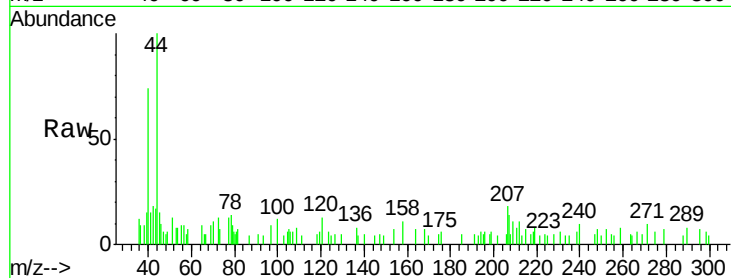
Tot Ion: 43 Resp: 788

Ion Ratio Lower Upper

43 100

61 0.0 76.9 115.3#

70 63.3 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 255.550 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.07 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

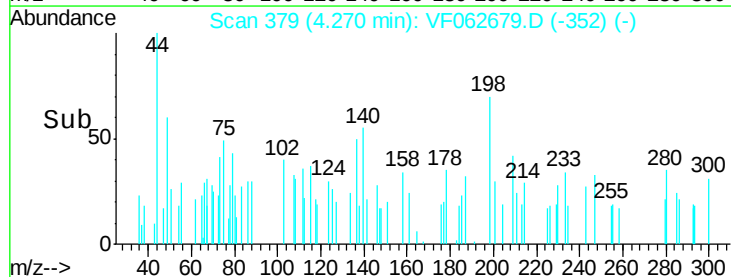
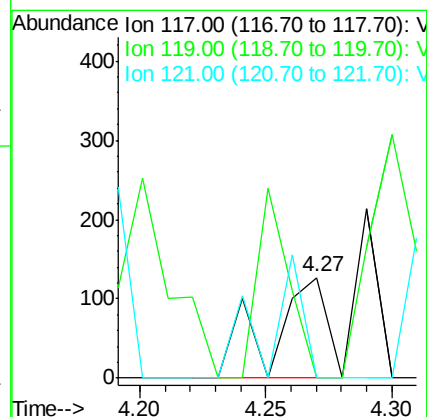
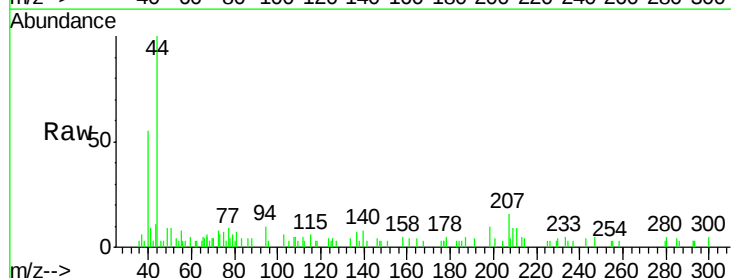
Tgt Ion: 117 Resp: 193

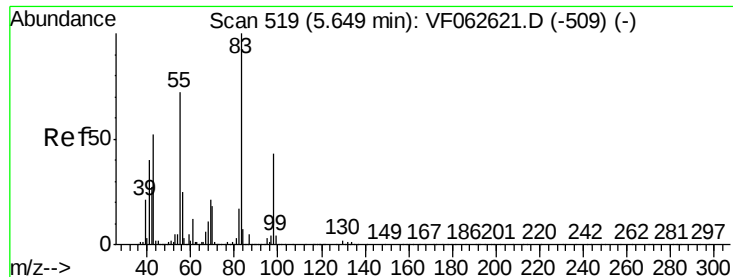
Ion Ratio Lower Upper

117 100

119 0.0 76.7 115.1#

121 0.0 26.6 40.0#

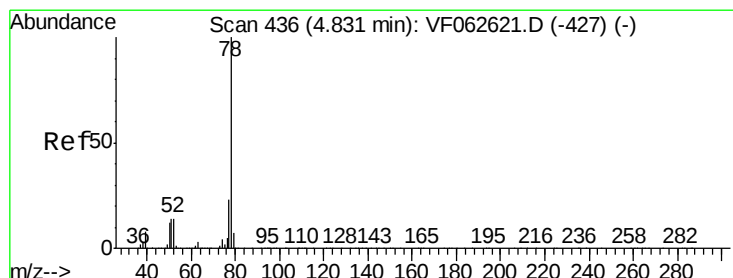
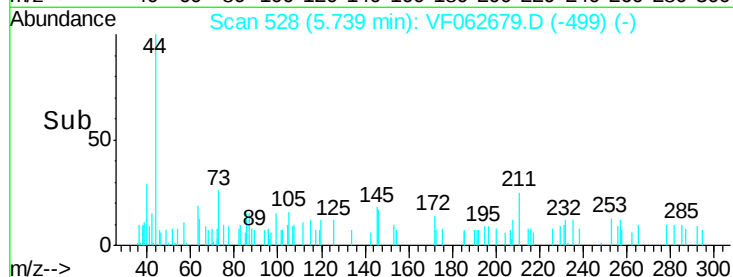
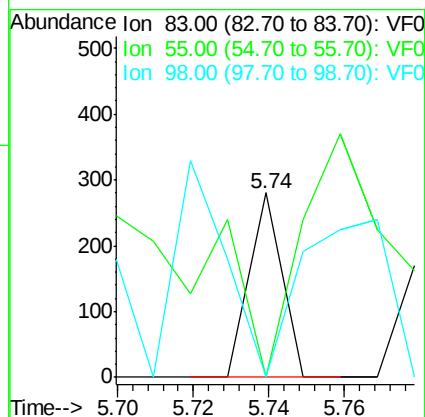
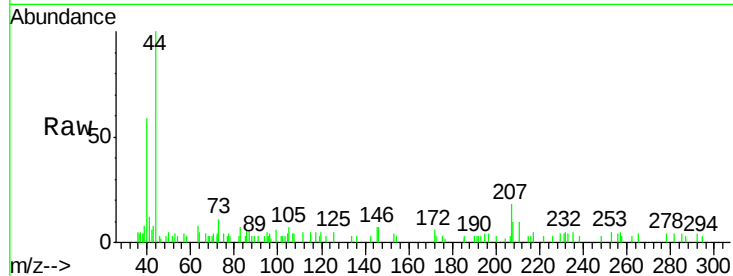




#39
Methvlcvclohexane
Concen: 137.383 ug/l
RT: 5.74 min Scan# 528
Delta R.T. 0.09 min
Lab File: VF062679.D
Acq: 21 May 2019 13:07

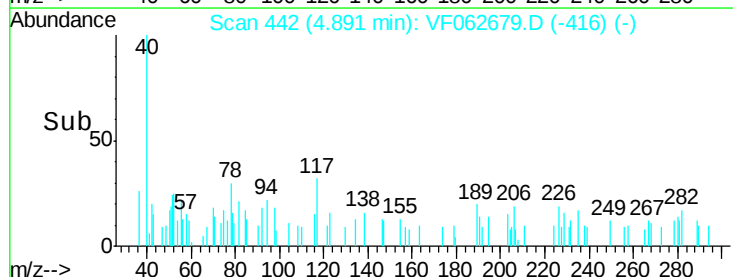
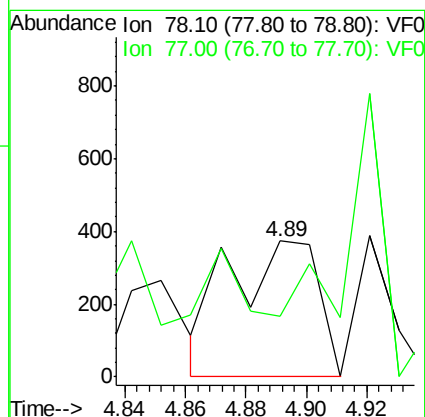
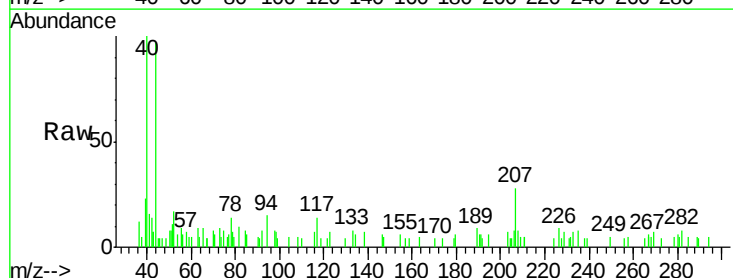
Instrument :
MSVOA_F
ClientSampleId :
SU-01-051719

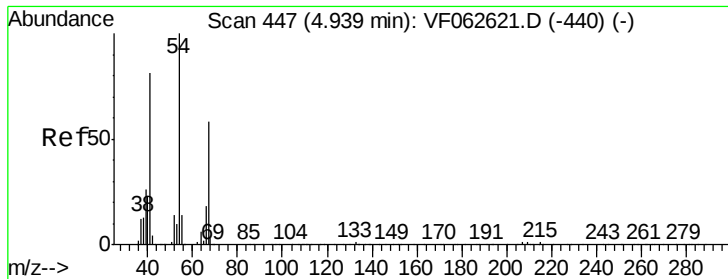
Tot Ion: 83 Resp: 166
Ion Ratio Lower Upper
83 100
55 0.0 57.9 86.9#
98 0.0 34.6 52.0#



#40
Benzene
Concen: 277.442 ug/l
RT: 4.89 min Scan# 442
Delta R.T. 0.06 min
Lab File: VF062679.D
Acq: 21 May 2019 13:07

Tgt Ion: 78 Resp: 759
Ion Ratio Lower Upper
78 100
77 44.5 18.2 27.2#





#41

Methacrylonitrile

Concen: 911.799 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.10 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

Instrument :

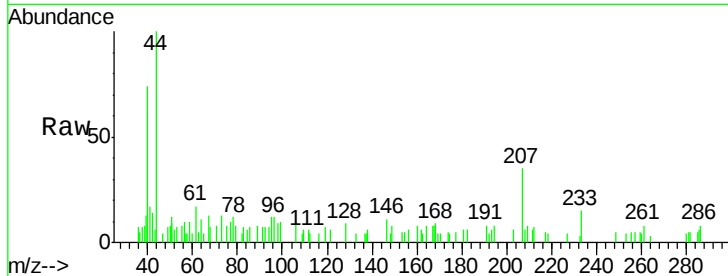
MSVOA_F

ClientSampleId :

SU-01-051719

Tot Ion: 41 Resp: 196

Ion	Ratio	Lower	Upper
41	100		
39	73.9	42.2	63.2#
67	72.9	56.4	84.6
52	35.2	38.8	58.2#

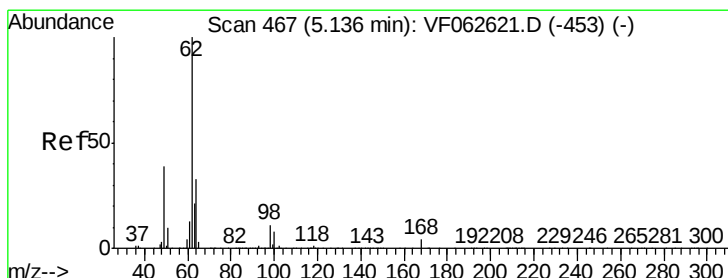
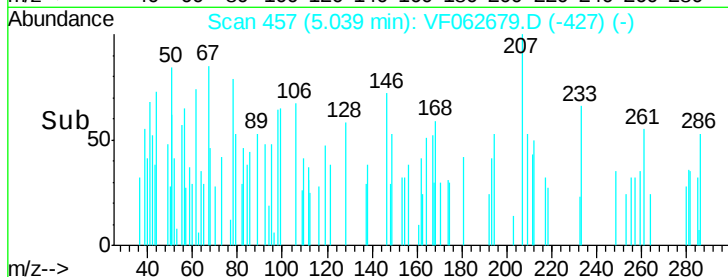
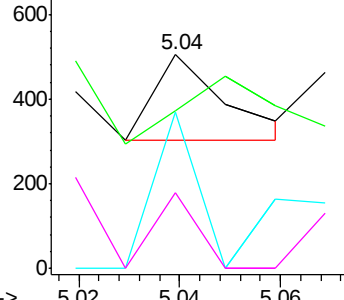


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 364.774 ug/l

RT: 5.25 min Scan# 478

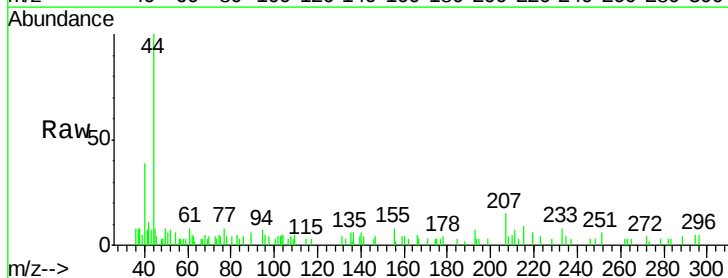
Delta R.T. 0.11 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

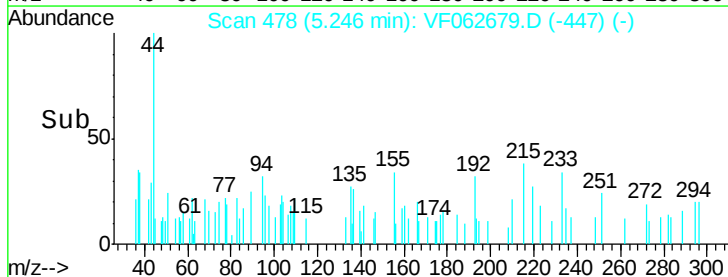
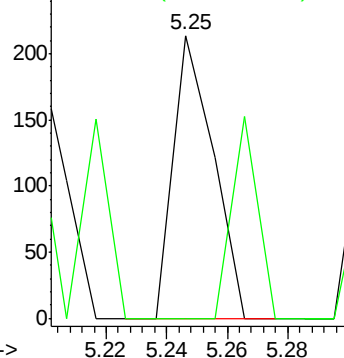
Tgt Ion: 62 Resp: 199

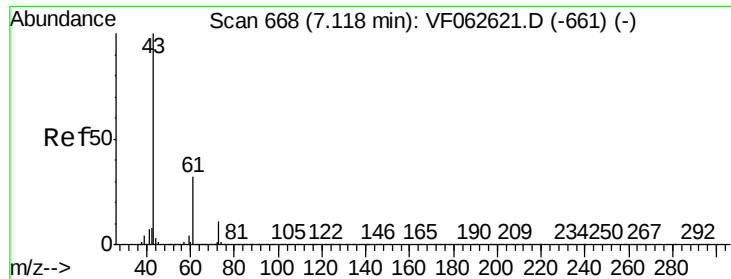
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	21.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 538.413 ug/l

RT: 7.25 min Scan# 681

Delta R.T. 0.13 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

SU-01-051719

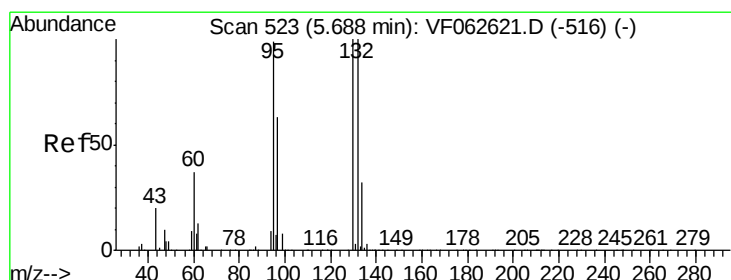
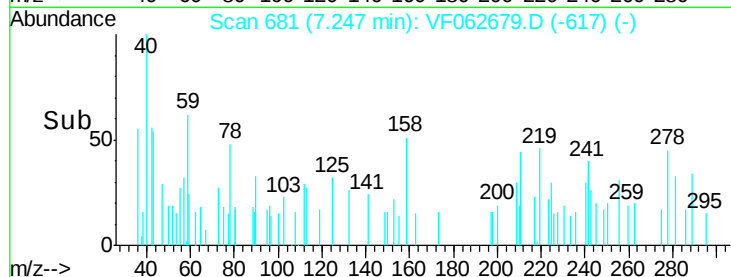
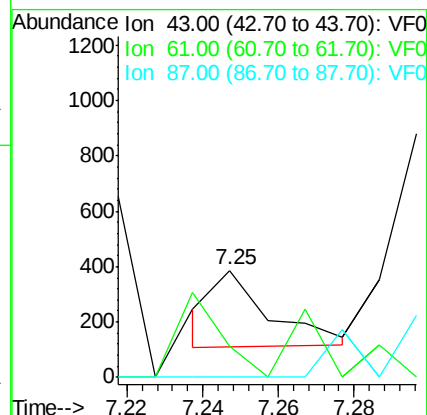
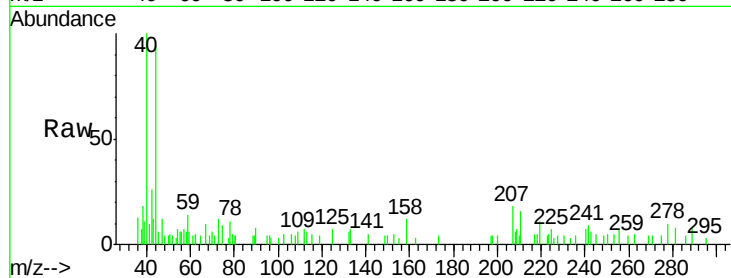
Tot Ion: 43 Resp: 286

Ion Ratio Lower Upper

43 100

61 29.5 25.8 38.8

87 0.0 0.4 0.6#



#44

Trichloroethene

Concen: 249.713 ug/l

RT: 5.75 min Scan# 529

Delta R.T. 0.06 min

Lab File: VF062679.D

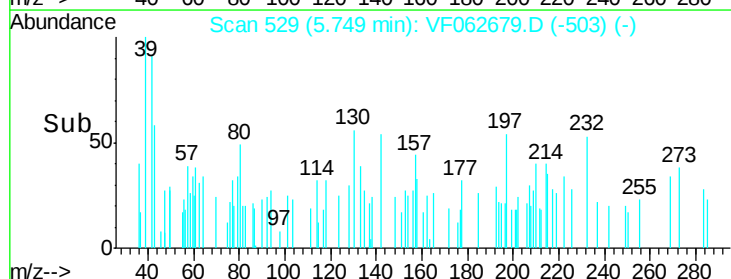
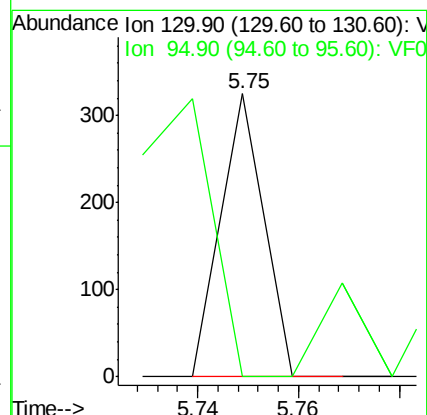
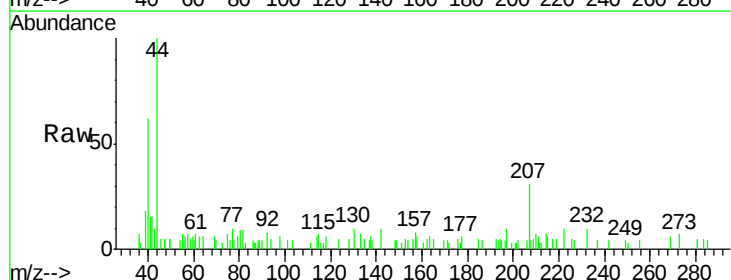
Acq: 21 May 2019 13:07

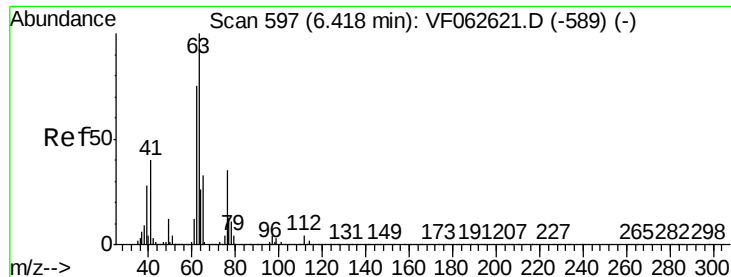
Tgt Ion: 130 Resp: 192

Ion Ratio Lower Upper

130 100

95 0.0 0.0 199.4





#45

1,2-Dichloropropane

Concen: 877.511 ug/l

RT: 6.54 min Scan# 609

Delta R.T. 0.12 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

Instrument :

MSVOA_F

ClientSampled :

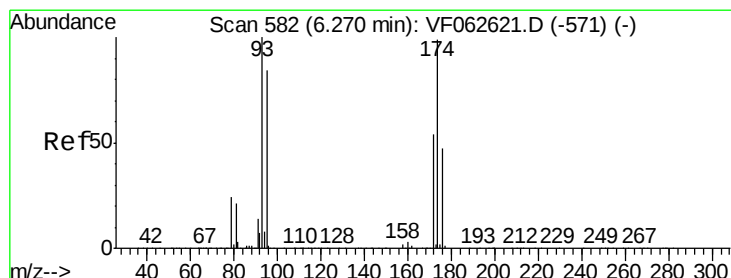
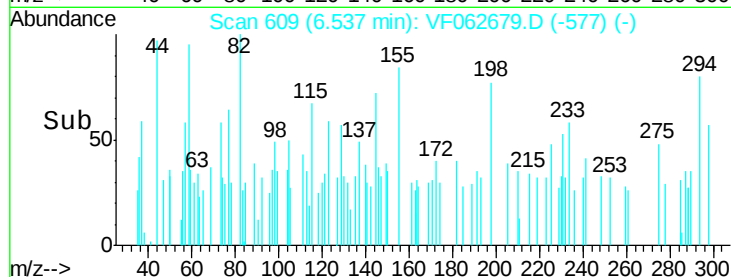
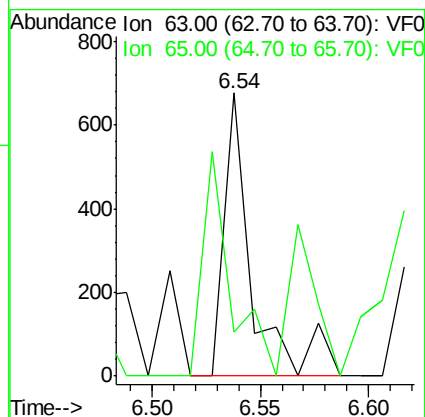
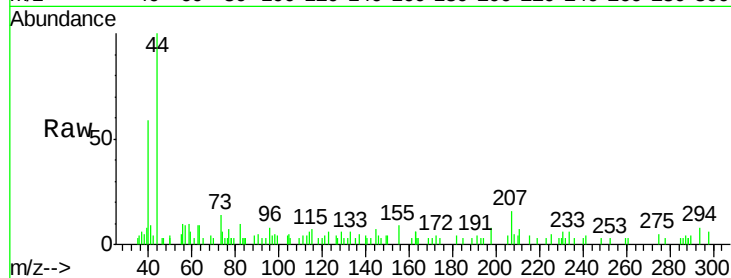
SU-01-051719

Tot Ion: 63 Resp: 606

Ion Ratio Lower Upper

63 100

65 15.7 26.3 39.5#



#46

Dibromomethane

Concen: 528.676 ug/l

RT: 6.35 min Scan# 590

Delta R.T. 0.08 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

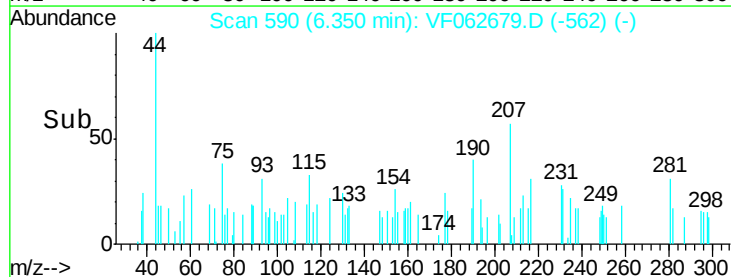
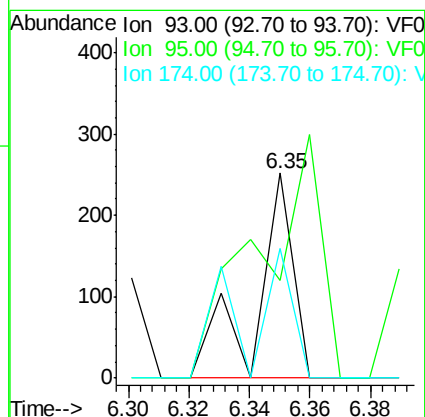
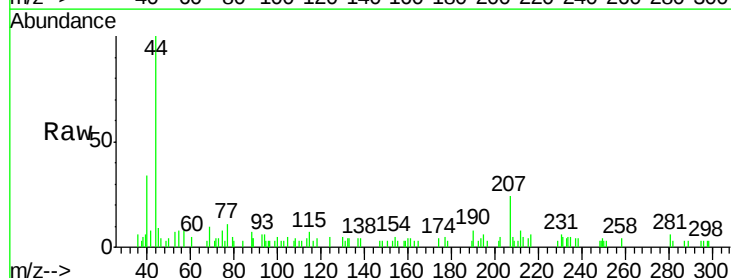
Tgt Ion: 93 Resp: 211

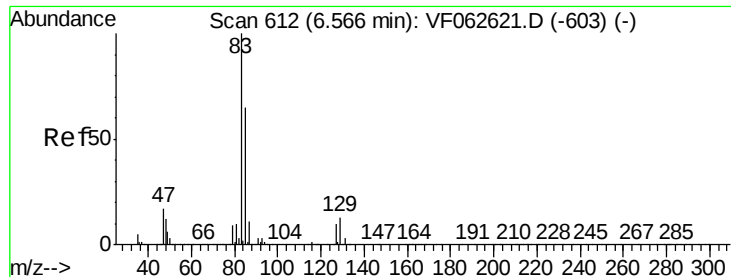
Ion Ratio Lower Upper

93 100

95 47.6 67.4 101.2#

174 63.5 79.4 119.2#





#47

Bromodichloromethane

Concen: 114.657 ug/l

RT: 6.66 min Scan# 621

Delta R.T. 0.09 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

SU-01-051719

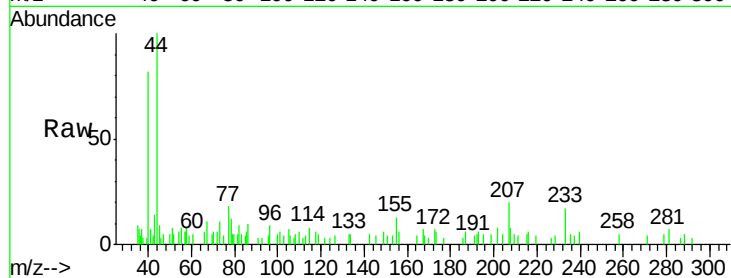
Tot Ion: 83 Resp: 95

Ion Ratio Lower Upper

83 100

85 116.8 52.0 78.0#

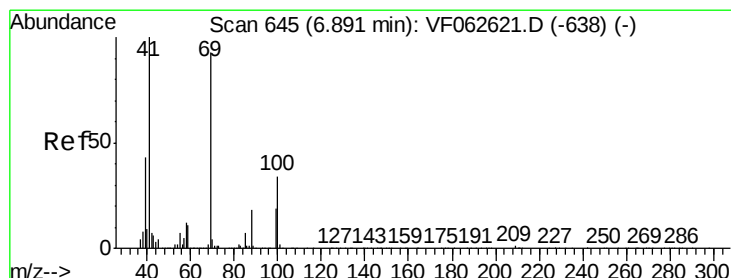
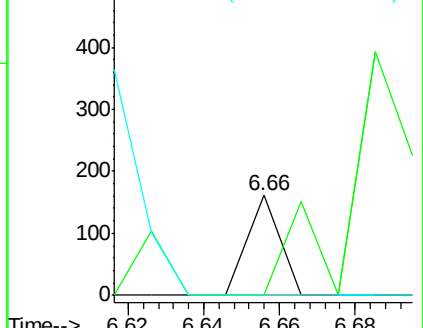
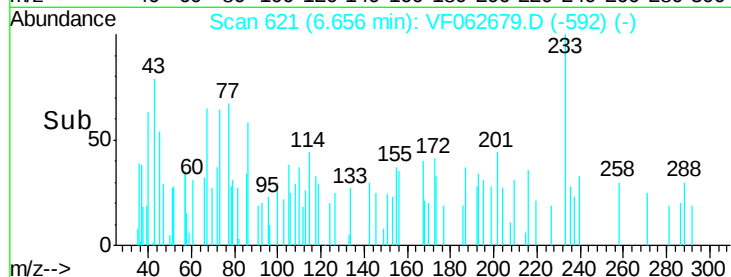
127 0.0 7.7 11.5#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 2117.820 ug/l

RT: 7.03 min Scan# 659

Delta R.T. 0.14 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

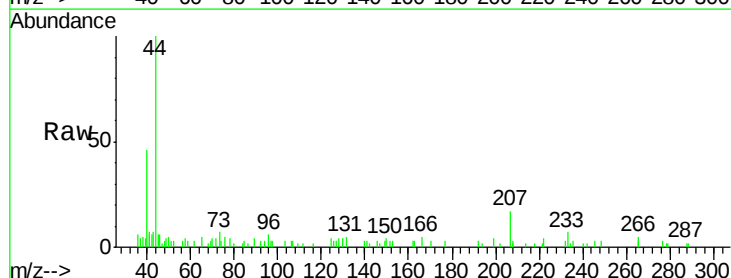
Tgt Ion: 41 Resp: 588

Ion Ratio Lower Upper

41 100

69 22.0 74.2 111.2#

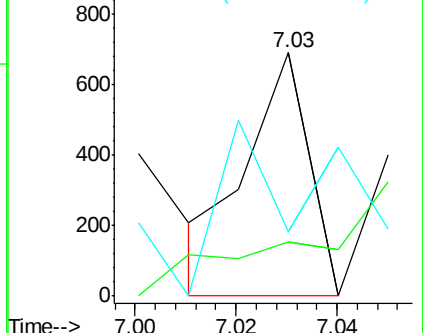
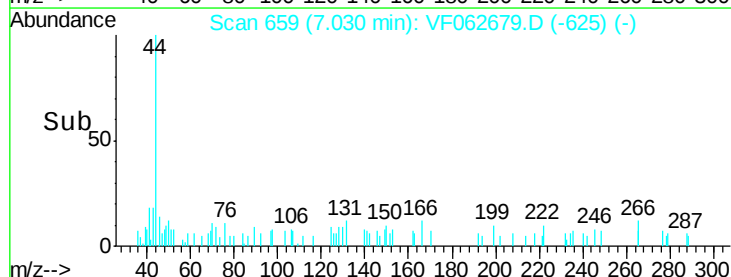
39 26.4 34.2 51.4#

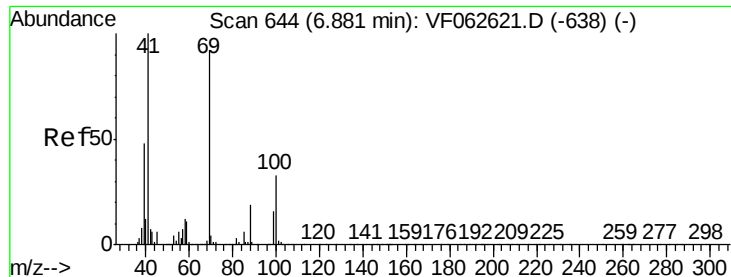


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

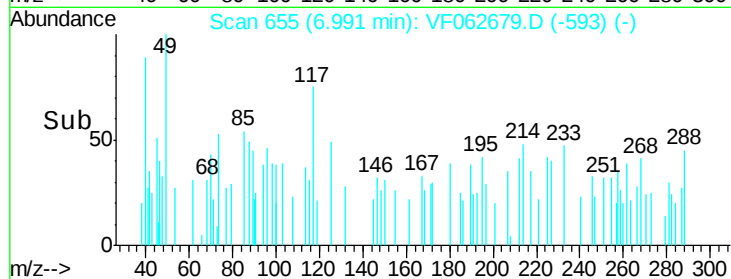
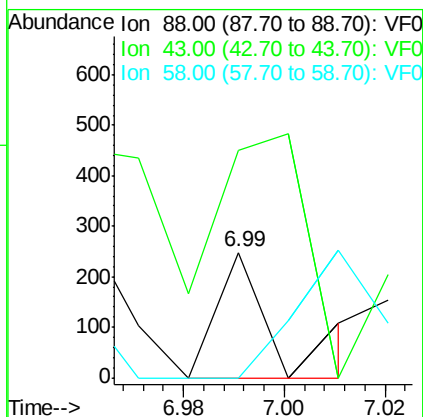
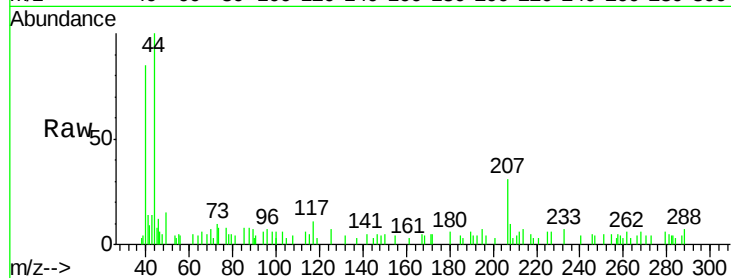




#49
1,4-Dioxane
Concen: 59054.356 ug/l
RT: 6.99 min Scan# 655
Delta R.T. 0.11 min
Lab File: VF062679.D
Acq: 21 May 2019 13:07

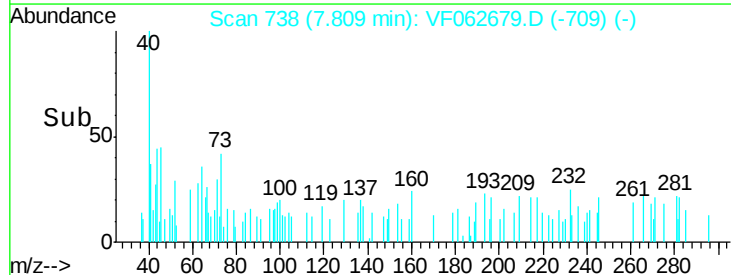
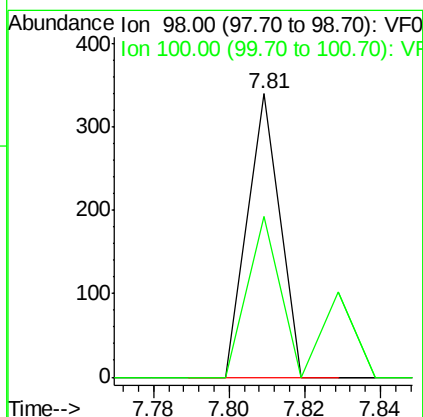
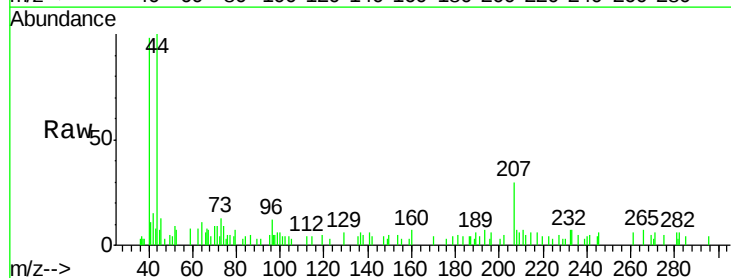
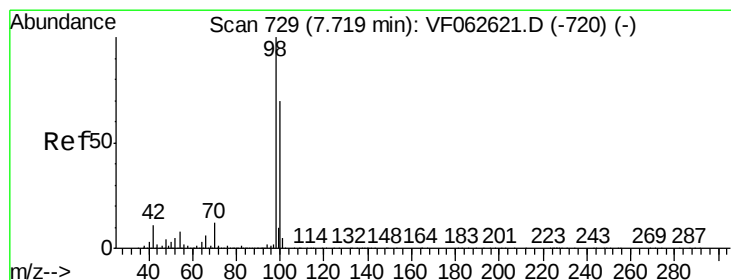
Instrument :
MSVOA_F
ClientSampleId :
SU-01-051719

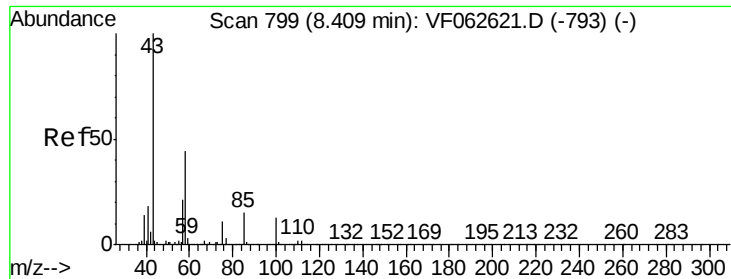
Tot Ion: 88 Resp: 210
Ion Ratio Lower Upper
88 100
43 181.9 30.0 45.0#
58 0.0 51.1 76.7#



#50
Toluene-d8
Concen: 112.261 ug/l
RT: 7.81 min Scan# 738
Delta R.T. 0.09 min
Lab File: VF062679.D
Acq: 21 May 2019 13:07

Tgt Ion: 98 Resp: 201
Ion Ratio Lower Upper
98 100
100 56.6 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 1357.794 ug/l

RT: 8.52 min Scan# 810

Delta R.T. 0.11 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

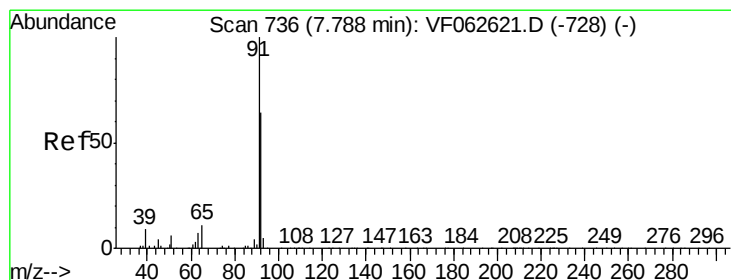
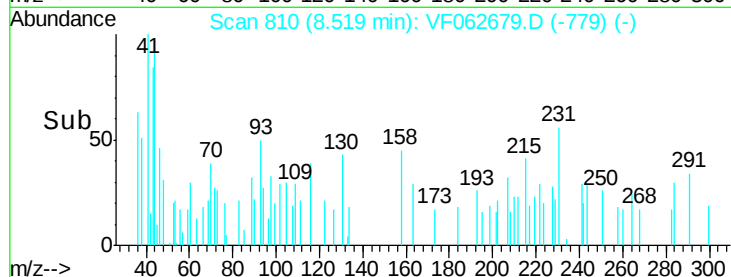
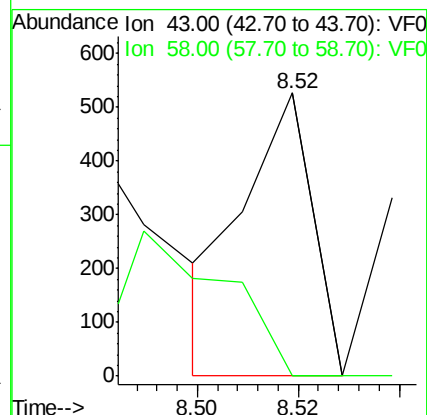
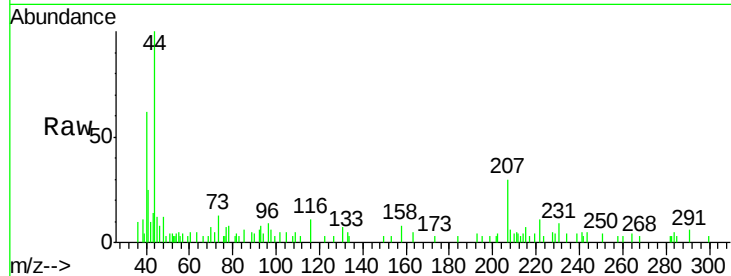
SU-01-051719

Tot Ion: 43 Resp: 493

Ion Ratio Lower Upper

43 100

58 0.0 34.9 52.3#



#52

Toluene

Concen: 282.283 ug/l

RT: 7.93 min Scan# 750

Delta R.T. 0.14 min

Lab File: VF062679.D

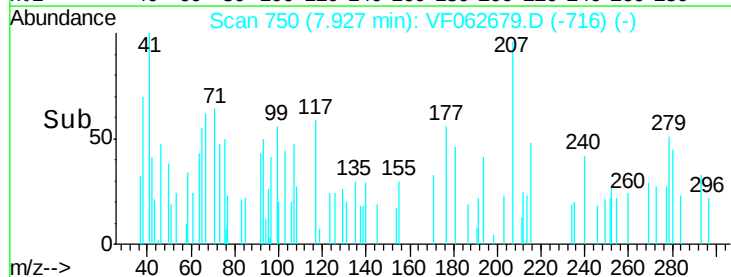
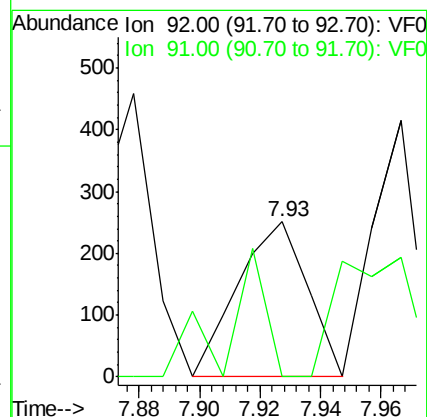
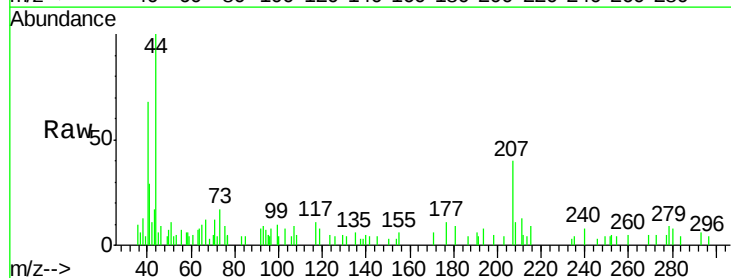
Acq: 21 May 2019 13:07

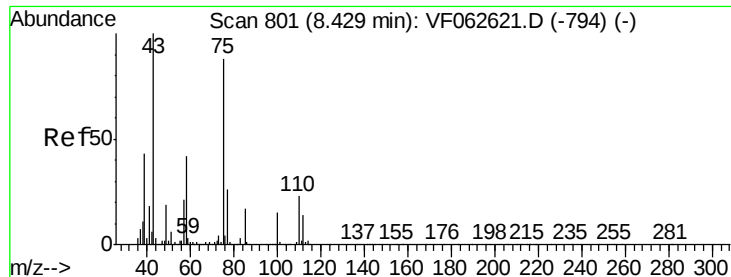
Tgt Ion: 92 Resp: 405

Ion Ratio Lower Upper

92 100

91 0.0 125.4 188.0#

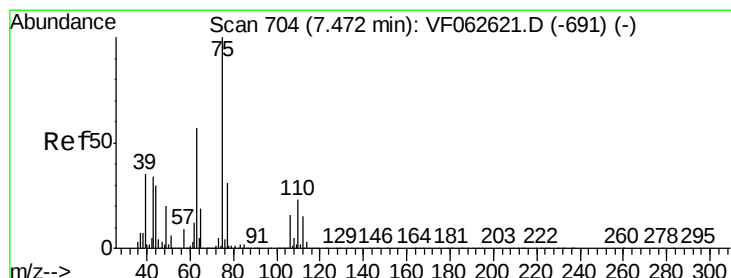
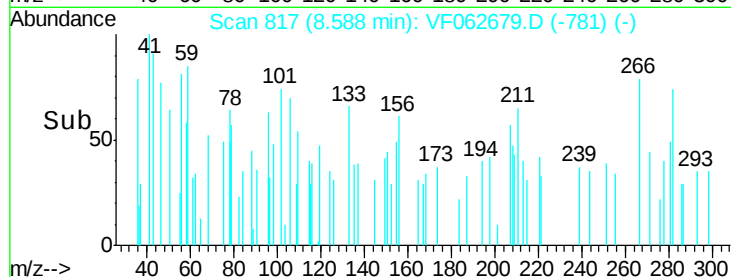
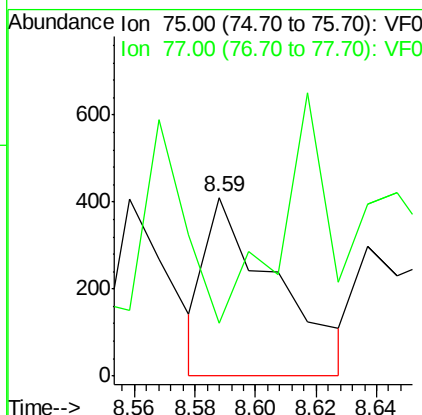
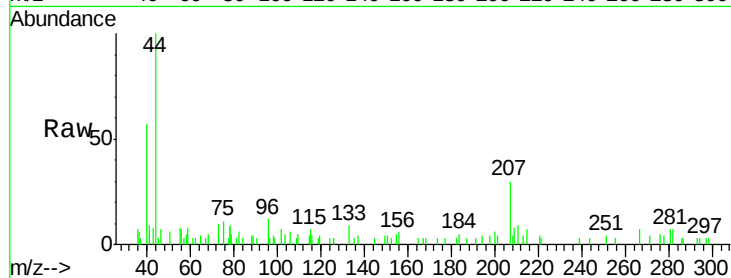




#53
t-1,3-Dichloropropene
Concen: 981.030 ug/l
RT: 8.59 min Scan# 817
Delta R.T. 0.16 min
Lab File: VF062679.D
Acq: 21 May 2019 13:07

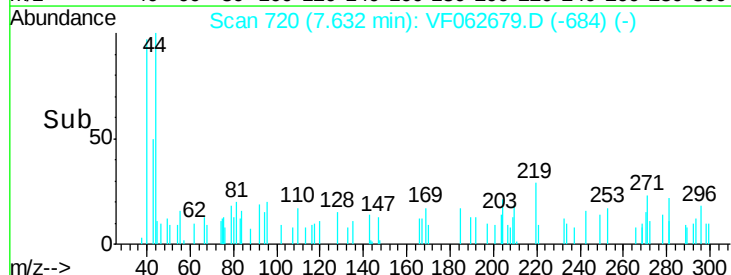
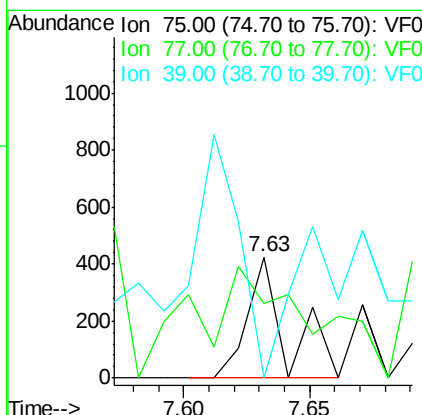
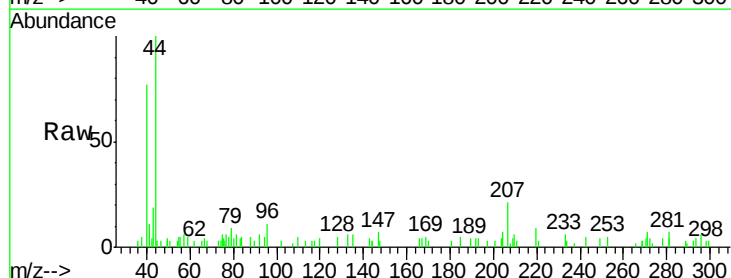
Instrument :
MSVOA_F
ClientSampleId :
SU-01-051719

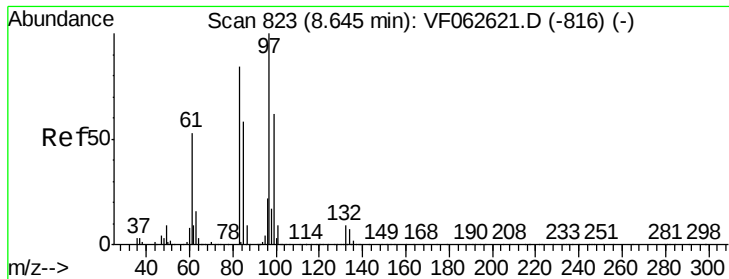
Tot Ion: 75 Resp: 665
Ion Ratio Lower Upper
75 100
77 29.4 24.2 36.4



#54
cis-1,3-Dichloropropene
Concen: 482.672 ug/l
RT: 7.63 min Scan# 720
Delta R.T. 0.16 min
Lab File: VF062679.D
Acq: 21 May 2019 13:07

Tgt Ion: 75 Resp: 458
Ion Ratio Lower Upper
75 100
77 62.0 25.3 37.9#
39 0.0 28.2 42.2#





#55

1,1,2-Trichloroethane

Concen: 682.668 ug/l

RT: 8.84 min Scan# 843

Delta R.T. 0.20 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

SU-01-051719

Tot Ion: 97 Resp: 290

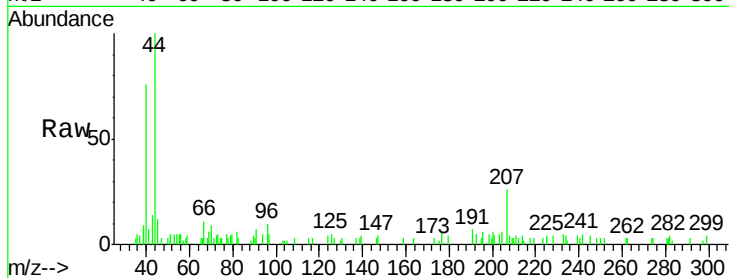
Ion Ratio Lower Upper

97 100

83 0.0 67.3 100.9#

85 0.0 46.6 69.8#

99 0.0 49.7 74.5#

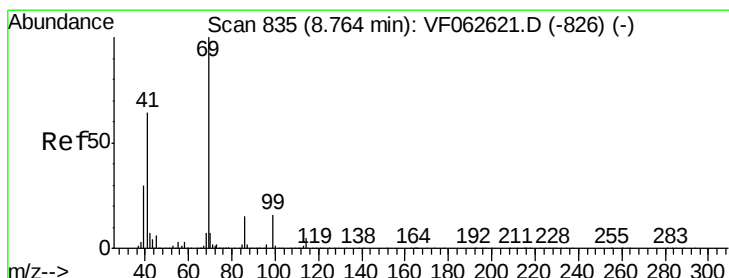
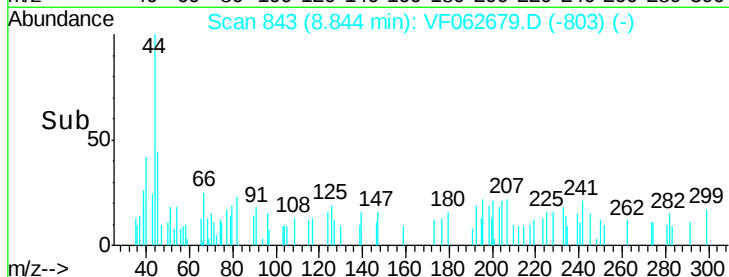
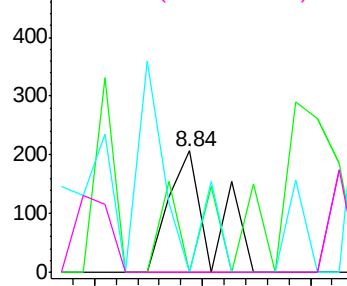


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 1096.619 ug/l

RT: 8.90 min Scan# 849

Delta R.T. 0.14 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

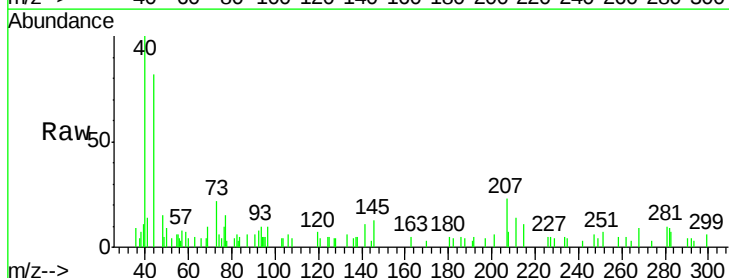
Tgt Ion: 69 Resp: 555

Ion Ratio Lower Upper

69 100

41 139.9 51.4 77.2#

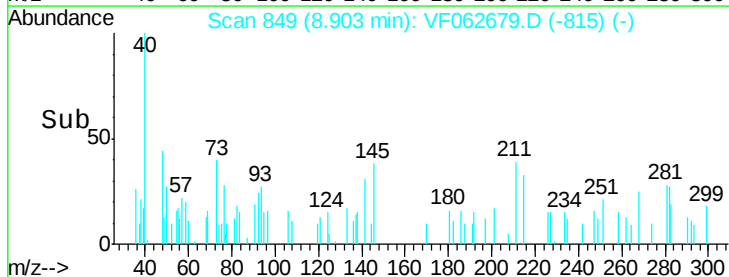
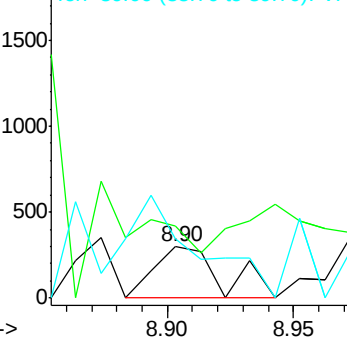
39 114.8 23.6 35.4#

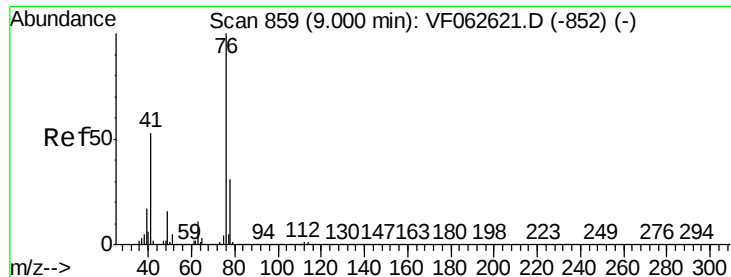


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 833.370 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.15 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

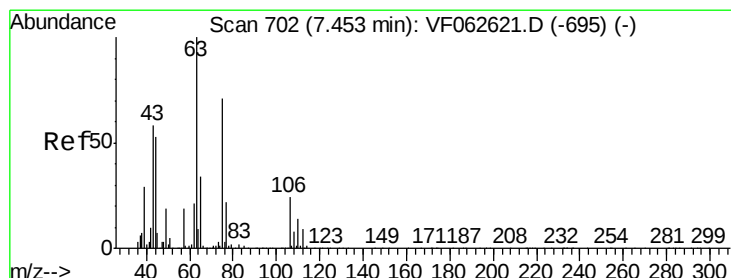
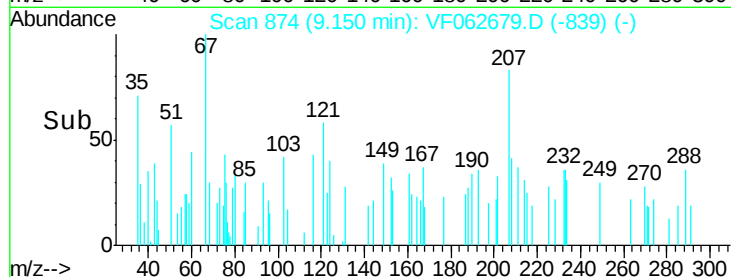
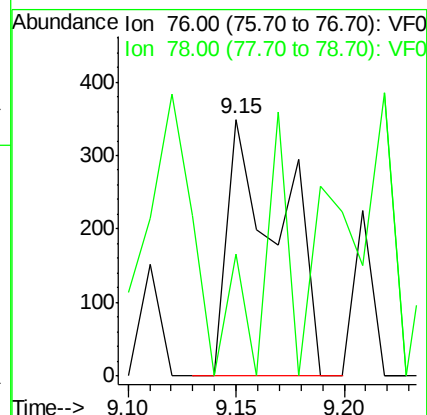
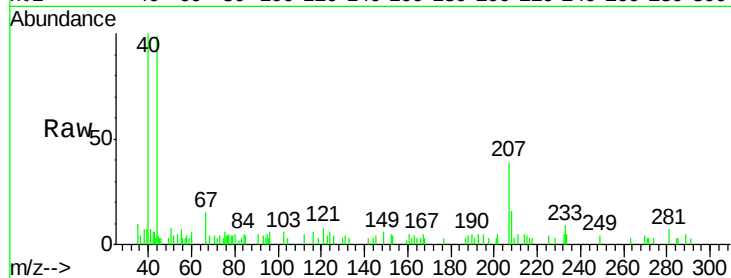
SU-01-051719

Tot Ion: 76 Resp: 603

Ion Ratio Lower Upper

76 100

78 47.6 25.4 38.0#



#58

2-Chloroethyl Vinyl ether

Concen: 1942.501 ug/l

RT: 7.56 min Scan# 713

Delta R.T. 0.11 min

Lab File: VF062679.D

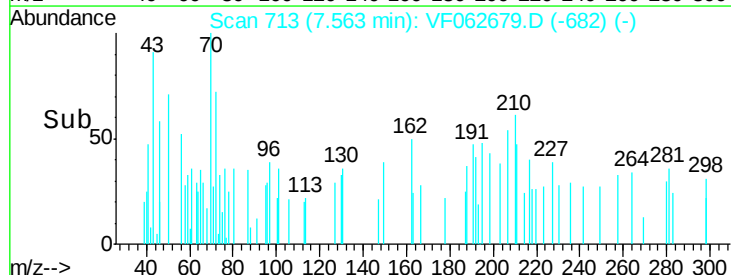
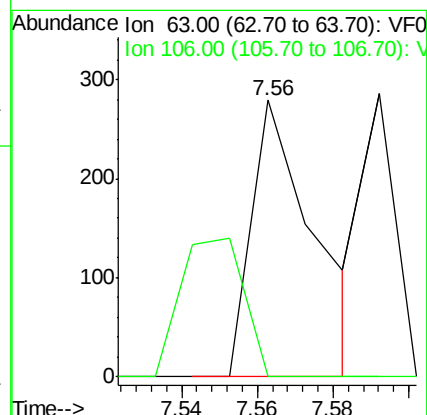
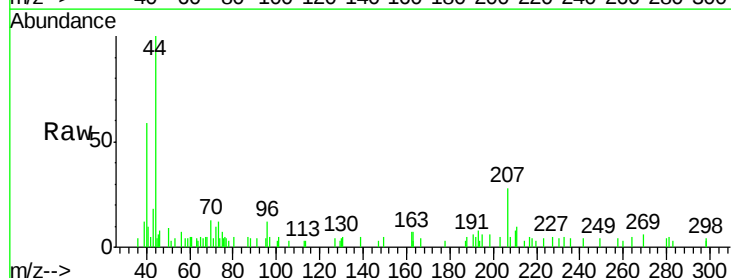
Acq: 21 May 2019 13:07

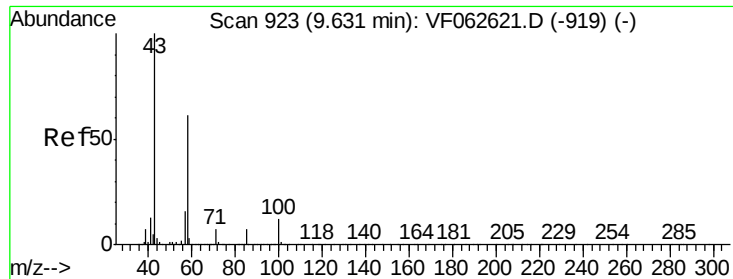
Tgt Ion: 63 Resp: 320

Ion Ratio Lower Upper

63 100

106 0.0 19.1 28.7#

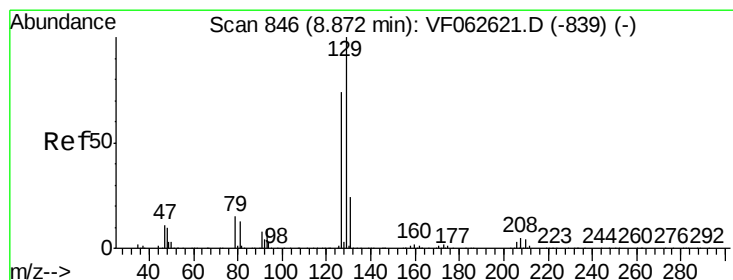
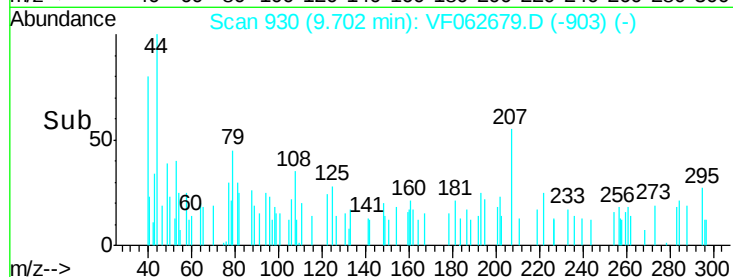
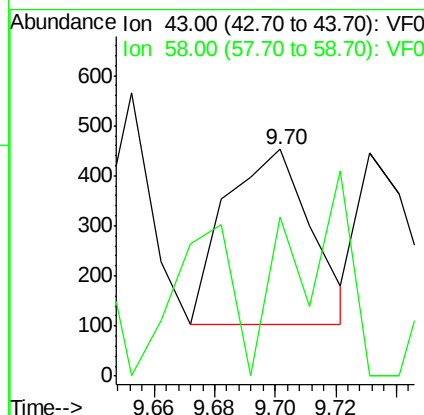
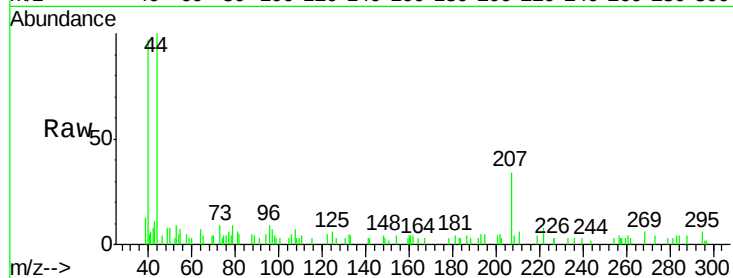




#59
2-Hexanone
Concen: 3112.267 ug/l
RT: 9.70 min Scan# 930
Delta R.T. 0.07 min
Lab File: VF062679.D
Acq: 21 May 2019 13:07

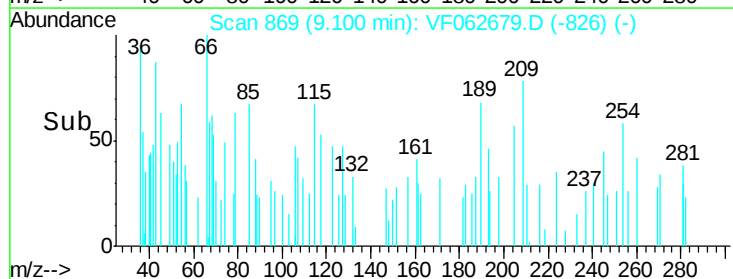
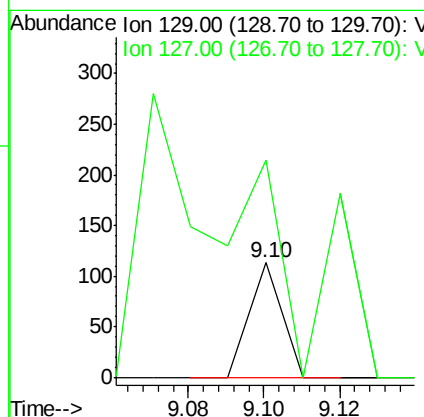
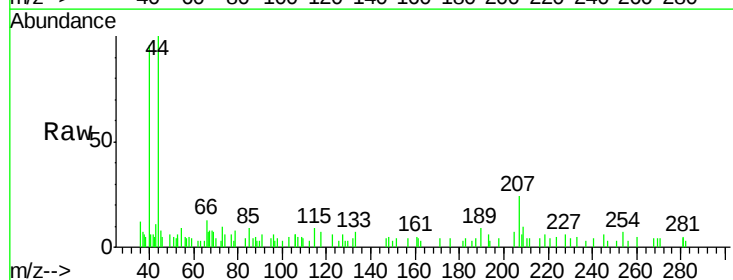
Instrument :
MSVOA_F
ClientSampleId :
SU-01-051719

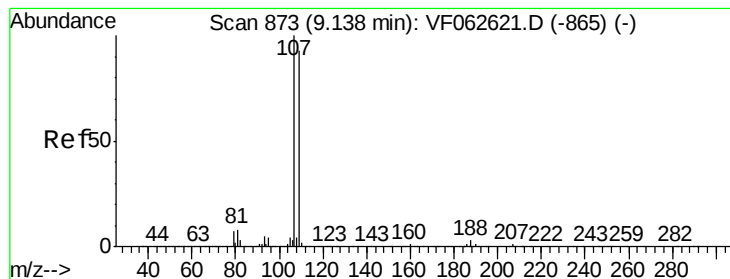
Tot Ion: 43 Resp: 687
Ion Ratio Lower Upper
43 100
58 70.6 28.1 84.4



#60
Dibromochloromethane
Concen: 121.014 ug/l
RT: 9.10 min Scan# 869
Delta R.T. 0.23 min
Lab File: VF062679.D
Acq: 21 May 2019 13:07

Tgt Ion: 129 Resp: 67
Ion Ratio Lower Upper
129 100
127 189.4 37.2 111.6#





#61

1,2-Dibromoethane

Concen: 186.168 ug/l

RT: 9.44 min Scan# 903

Delta R.T. 0.30 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

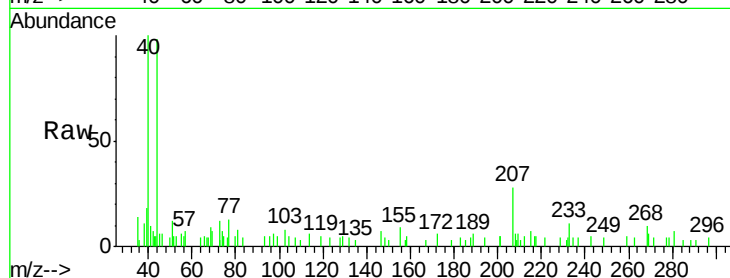
SU-01-051719

Tot Ion:107 Resp: 84

Ion Ratio Lower Upper

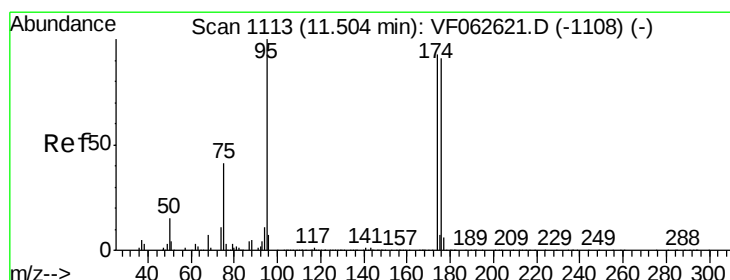
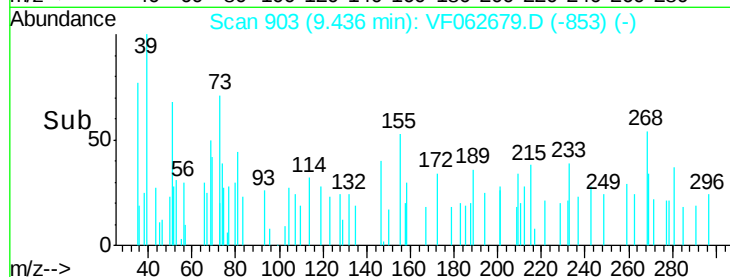
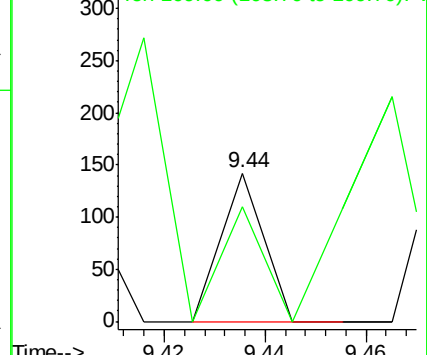
107 100

109 77.5 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 240.034 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.19 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

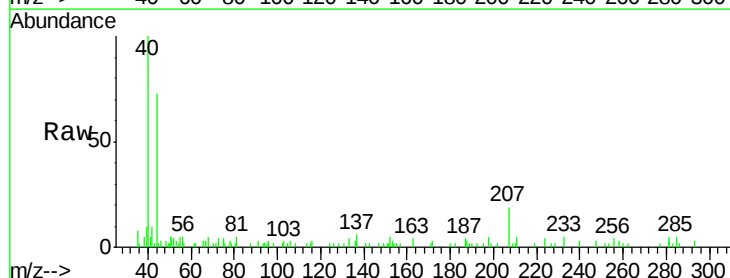
Tgt Ion: 95 Resp: 163

Ion Ratio Lower Upper

95 100

174 0.0 0.0 185.6

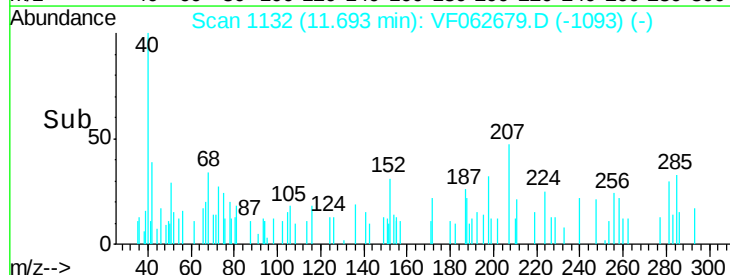
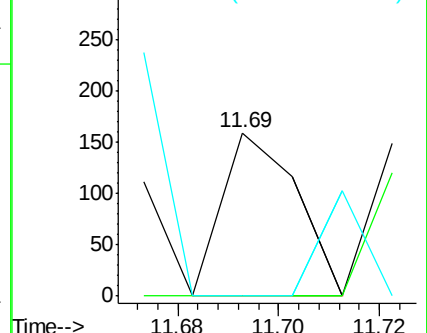
176 0.0 0.0 182.4

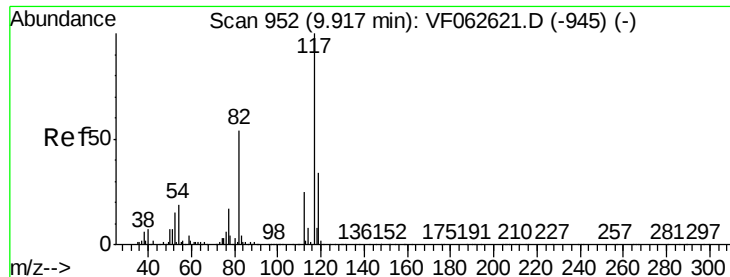


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 970

Delta R.T. 0.18 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

SU-01-051719

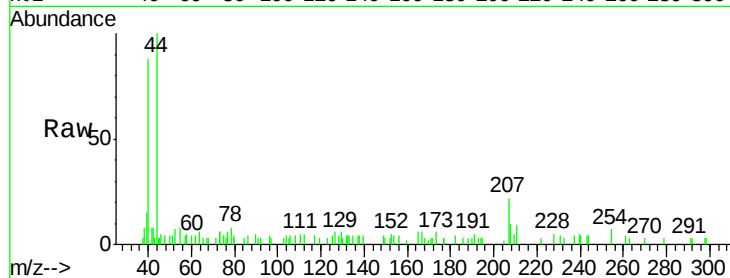
Tot Ion:117 Resp: 106

Ion Ratio Lower Upper

117 100

82 0.0 43.3 64.9#

119 58.1 27.4 41.0#

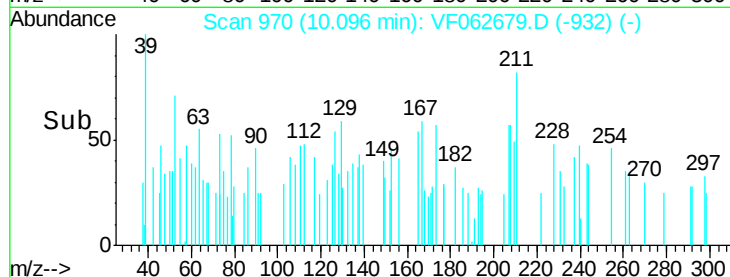


Abundance Ion 117.00 (116.70 to 117.70): V

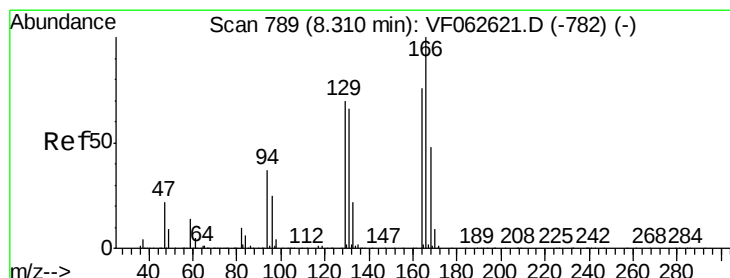
Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V

Time-->



Time-->



#64

Tetrachloroethene

Concen: 306.040 ug/l

RT: 8.28 min Scan# 786

Delta R.T. -0.03 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

Tgt Ion:164 Resp: 257

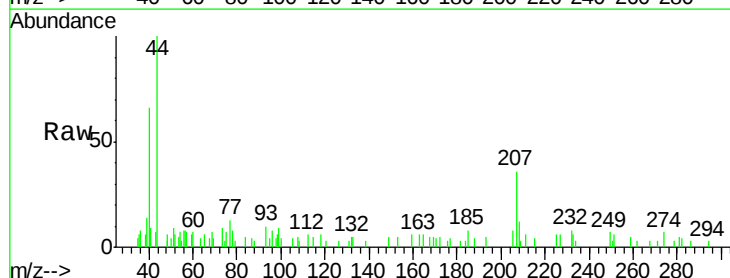
Ion Ratio Lower Upper

164 100

166 0.0 105.5 158.3#

129 0.0 73.8 110.6#

131 47.0 69.5 104.3#



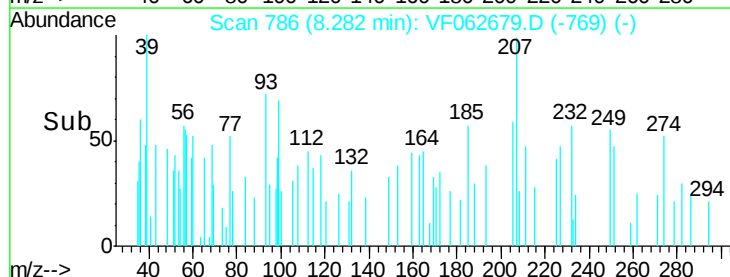
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

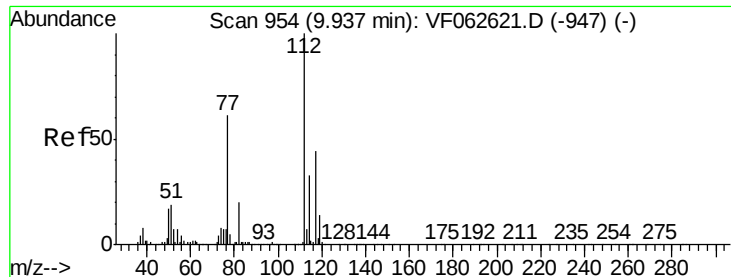
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

Time-->



Time-->



#65

Chlorobenzene

Concen: 283.389 ug/l

RT: 9.97 min Scan# 957

Delta R.T. 0.03 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

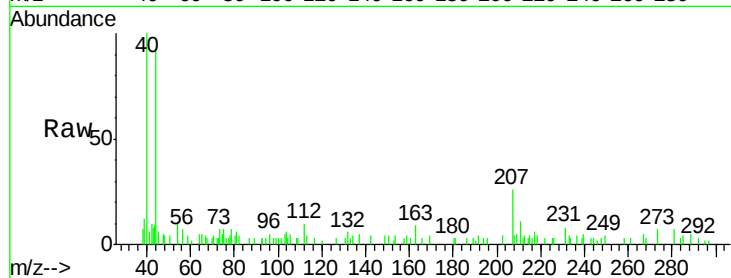
SU-01-051719

Tot Ion:112 Resp: 590

Ion Ratio Lower Upper

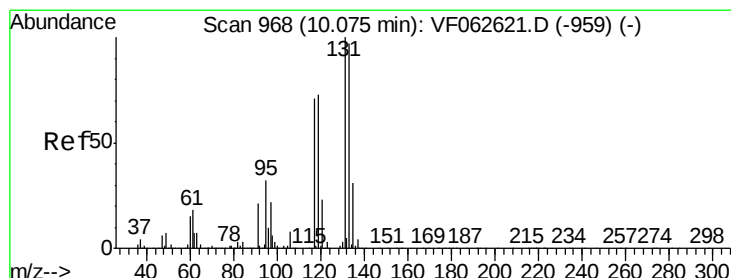
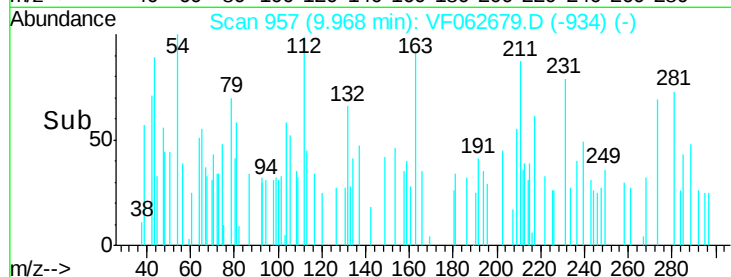
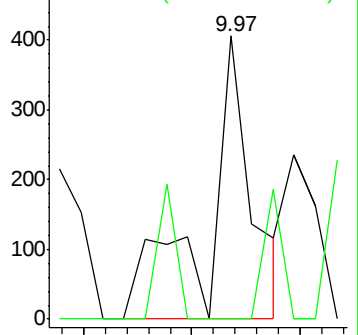
112 100

114 0.0 26.8 40.2#



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 87.343 ug/l

RT: 10.09 min Scan# 969

Delta R.T. 0.01 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

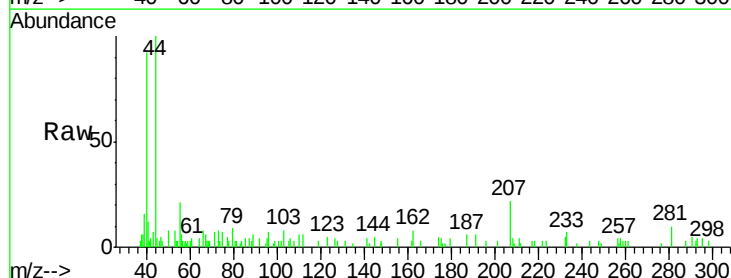
Tgt Ion:131 Resp: 73

Ion Ratio Lower Upper

131 100

133 0.0 48.5 145.5#

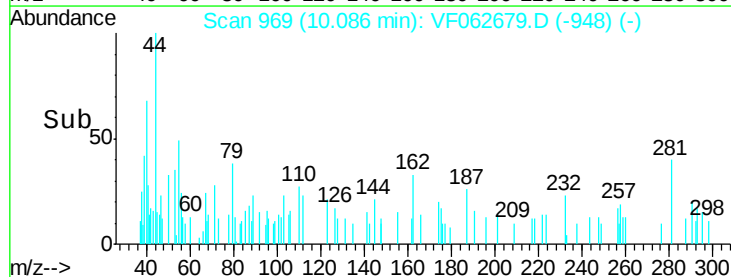
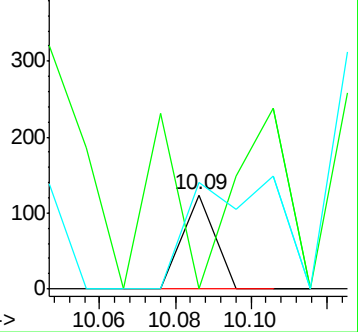
119 113.7 36.8 110.4#

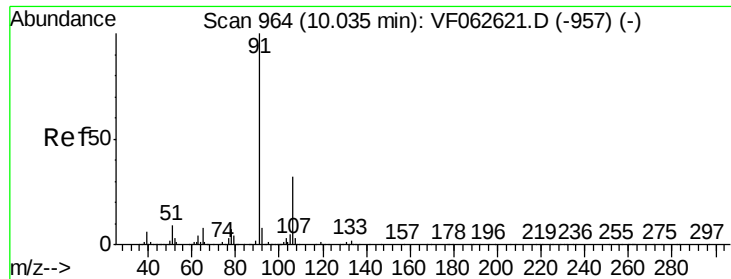


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 79.352 ug/l

RT: 10.15 min Scan# 975

Delta R.T. 0.11 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

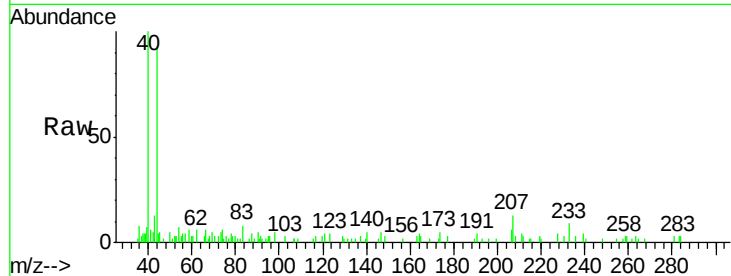
SU-01-051719

Tot Ion: 91 Resp: 287

Ion Ratio Lower Upper

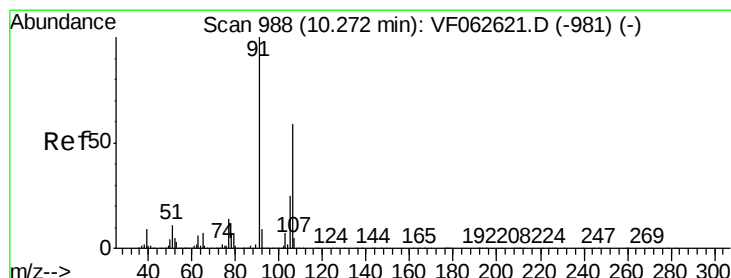
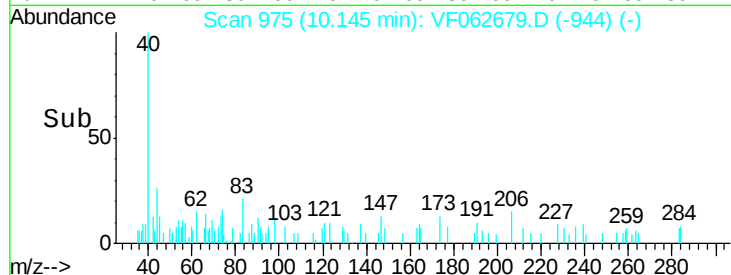
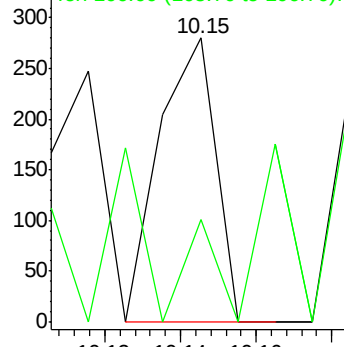
91 100

106 36.1 25.8 38.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 131.681 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.02 min

Lab File: VF062679.D

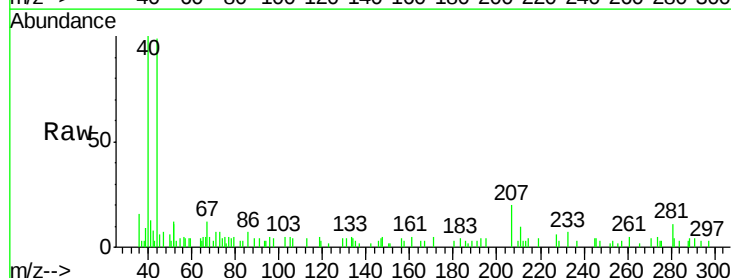
Acq: 21 May 2019 13:07

Tgt Ion: 106 Resp: 179

Ion Ratio Lower Upper

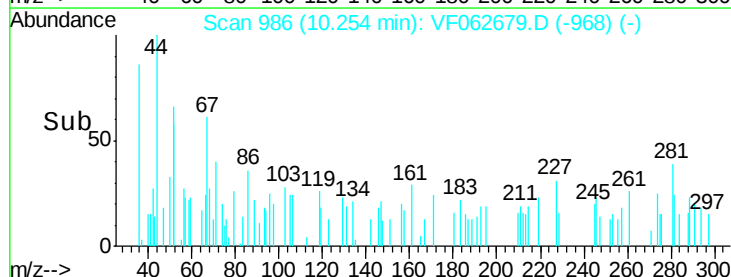
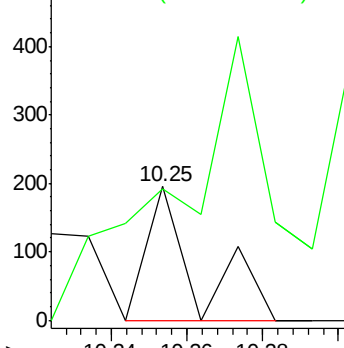
106 100

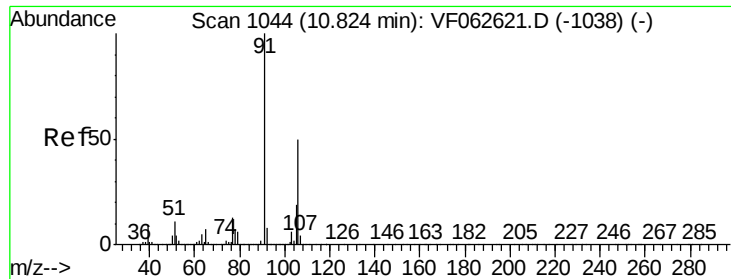
91 98.5 136.9 205.3#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

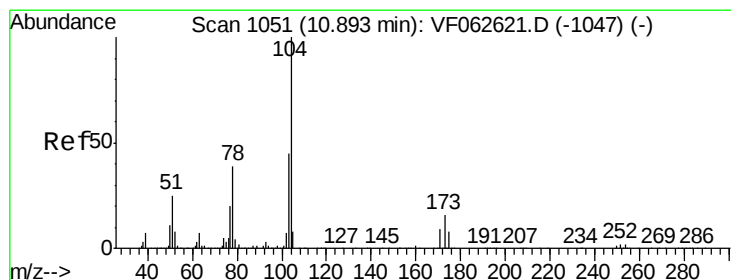
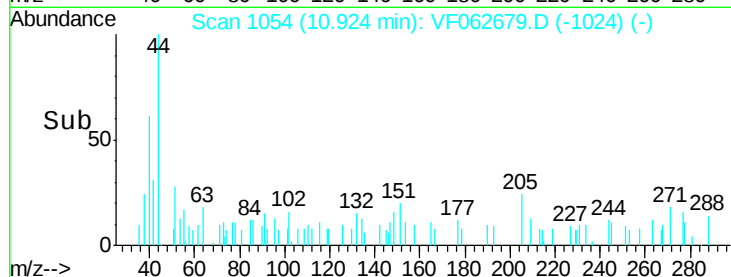
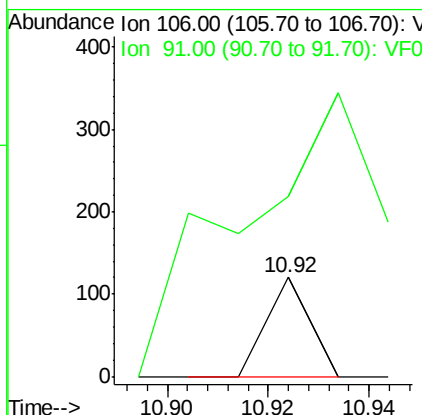
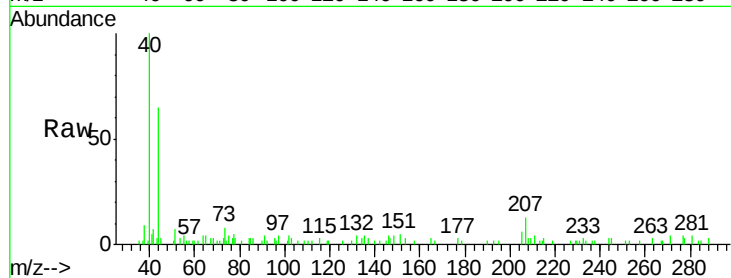




#69
o-Xylene
Concen: 50.709 ug/l
RT: 10.92 min Scan# 1054
Delta R.T. 0.10 min
Lab File: VF062679.D
Acq: 21 May 2019 13:07

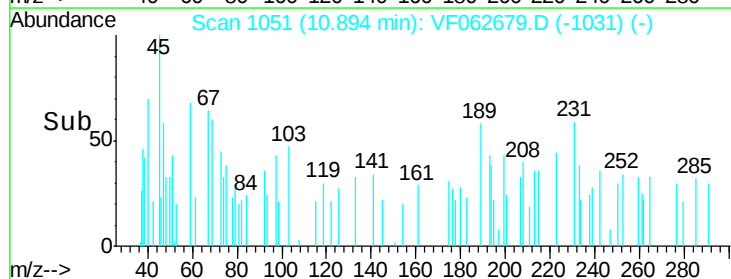
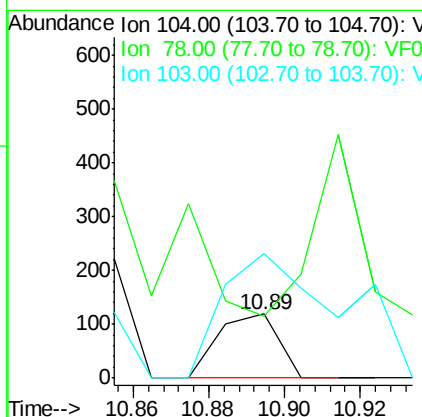
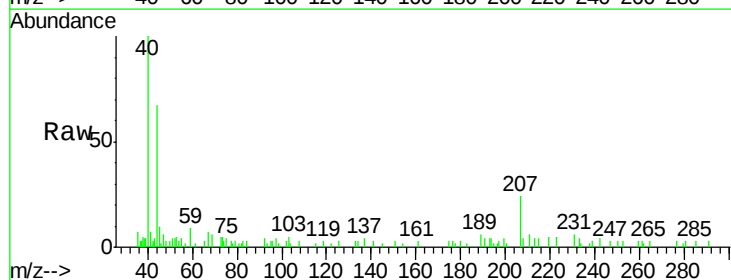
Instrument :
MSVOA_F
ClientSampled :
SU-01-051719

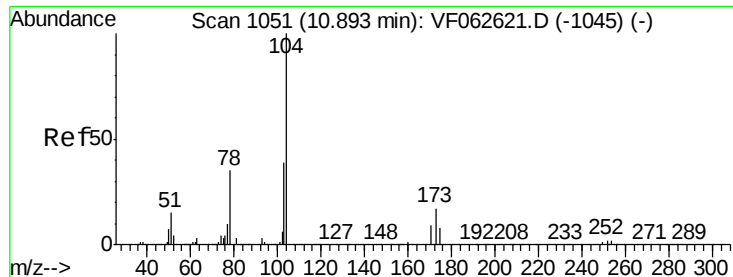
Tot Ion:106 Resp: 71
Ion Ratio Lower Upper
106 100
91 181.7 100.2 300.5



#70
Styrene
Concen: 60.617 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF062679.D
Acq: 21 May 2019 13:07

Tgt Ion:104 Resp: 129
Ion Ratio Lower Upper
104 100
78 95.8 31.9 47.9#
103 195.0 36.1 54.1#





#71

Bromoform

Concen: 420.455 ug/l

RT: 10.91 min Scan# 1053

Delta R.T. 0.02 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

SU-01-051719

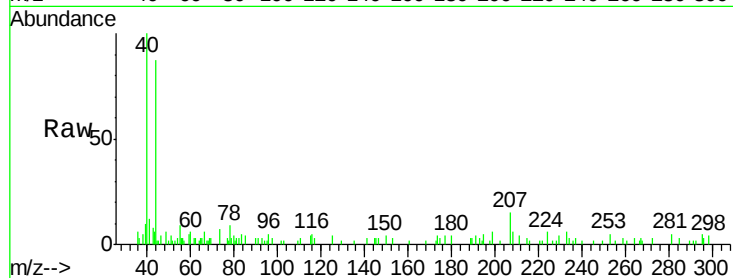
Tot Ion:173 Resp: 176

Ion Ratio Lower Upper

173 100

175 0.0 25.3 75.9#

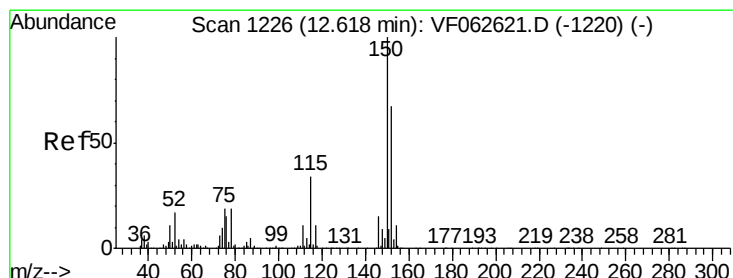
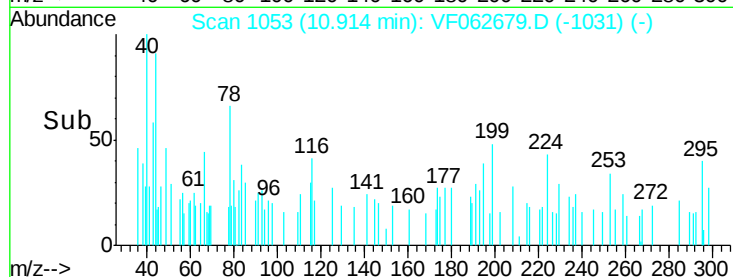
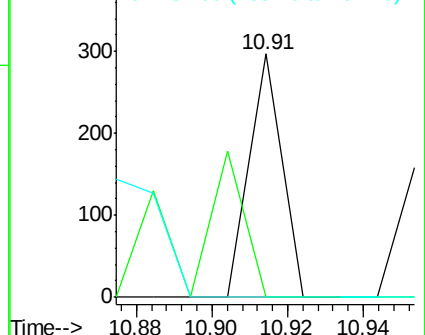
254 0.0 0.2 0.2#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.11 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

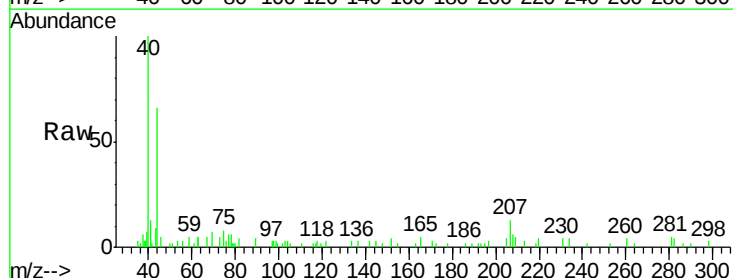
Tgt Ion:152 Resp: 227

Ion Ratio Lower Upper

152 100

115 46.6 25.2 75.6

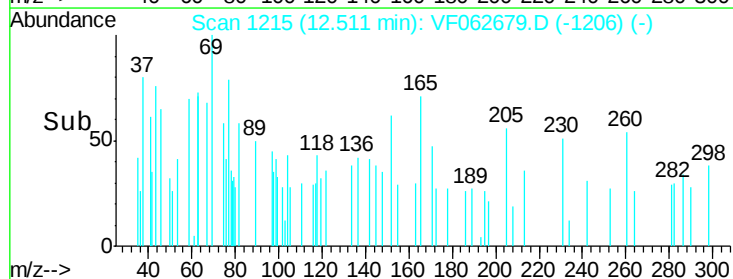
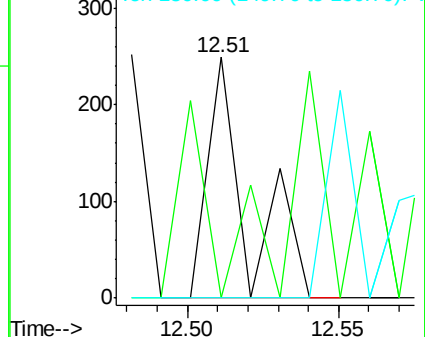
150 0.0 0.0 306.2

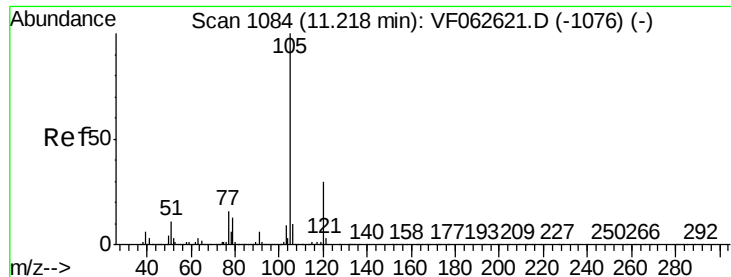


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 24.402 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.02 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

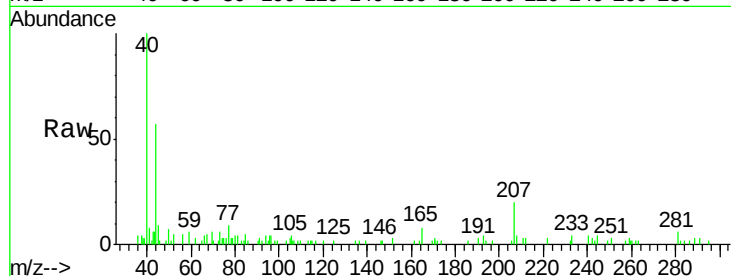
SU-01-051719

Tot Ion:105 Resp: 397

Ion Ratio Lower Upper

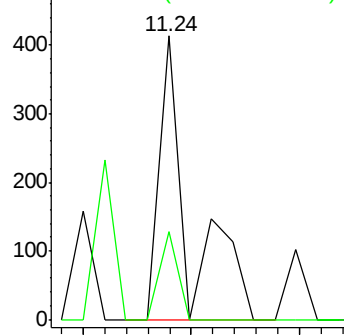
105 100

120 31.0 14.8 44.4

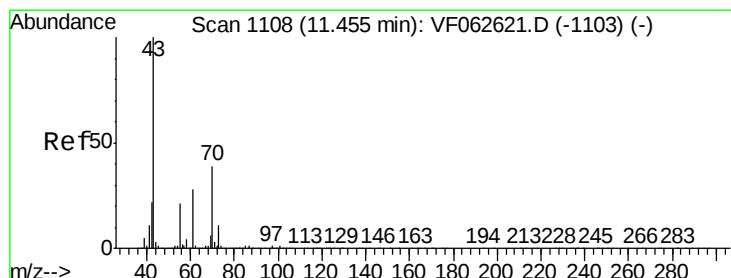
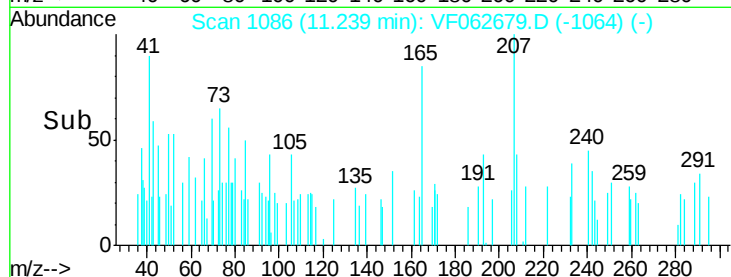


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 248.773 ug/l

RT: 11.44 min Scan# 1106

Delta R.T. -0.02 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

Tgt Ion: 43 Resp: 941

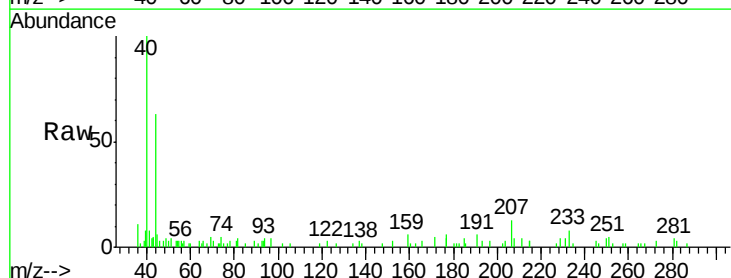
Ion Ratio Lower Upper

43 100

70 38.1 30.9 46.3

55 34.7 17.0 25.4#

61 0.0 22.6 34.0#

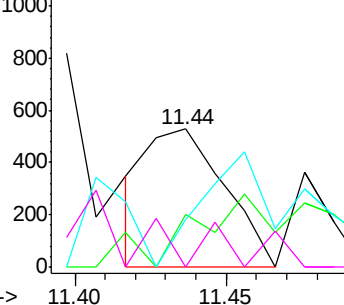


Abundance Ion 43.00 (42.70 to 43.70): VF0

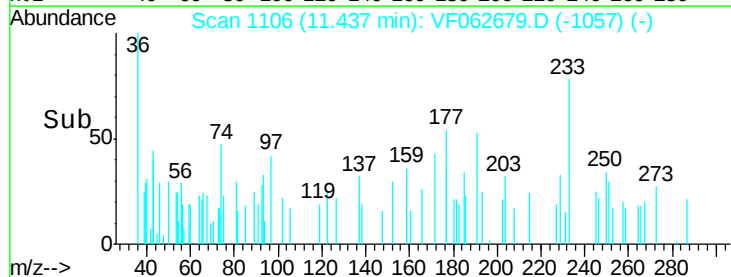
Ion 70.00 (69.70 to 70.70): VF0

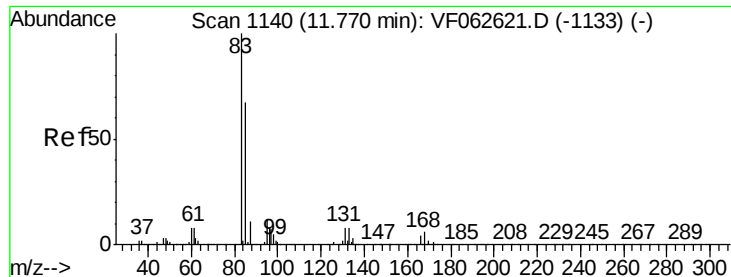
Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 40.603 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

SU-01-051719

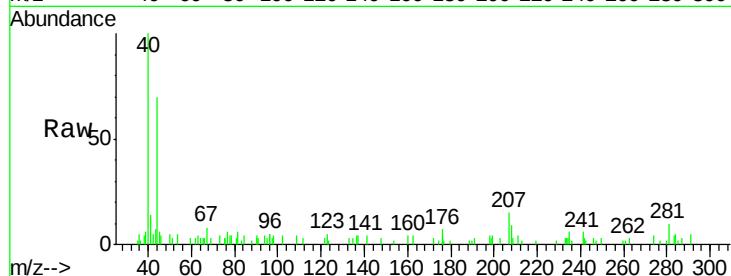
Tot Ion: 83 Resp: 135

Ion Ratio Lower Upper

83 100

131 0.0 4.0 12.0#

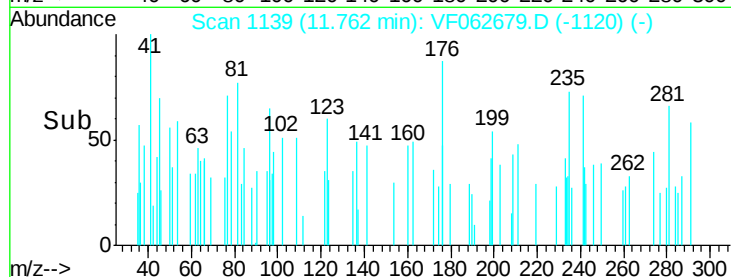
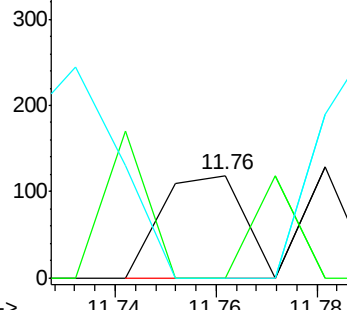
85 0.0 33.5 100.5#



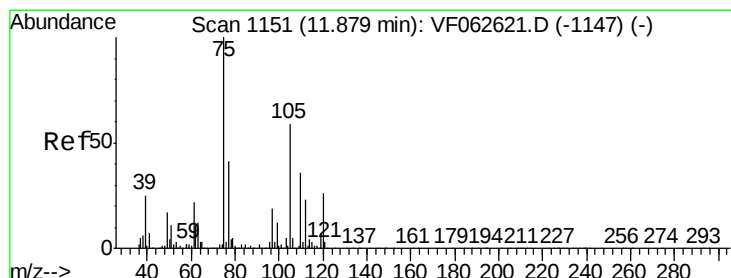
Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



Time-->



#76

1,2,3-Trichloropropane

Concen: 112.146 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. 0.06 min

Lab File: VF062679.D

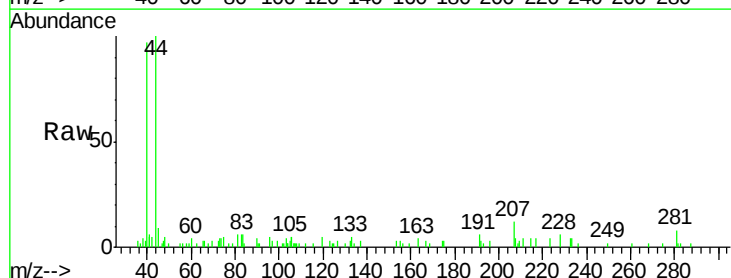
Acq: 21 May 2019 13:07

Tgt Ion: 75 Resp: 245

Ion Ratio Lower Upper

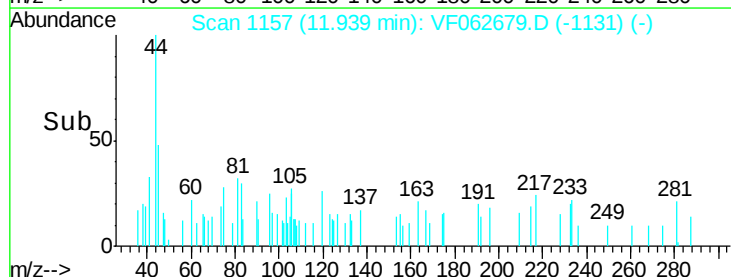
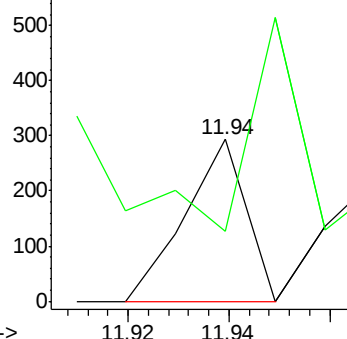
75 100

77 43.0 20.6 61.8

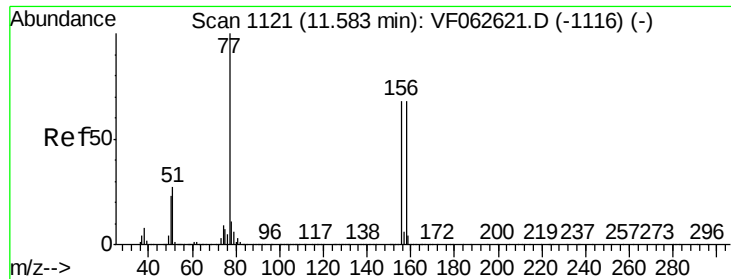


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



Time-->



#77

Bromobenzene

Concen: 31.157 ug/l

RT: 11.53 min Scan# 1115

Delta R.T. -0.06 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

SU-01-051719

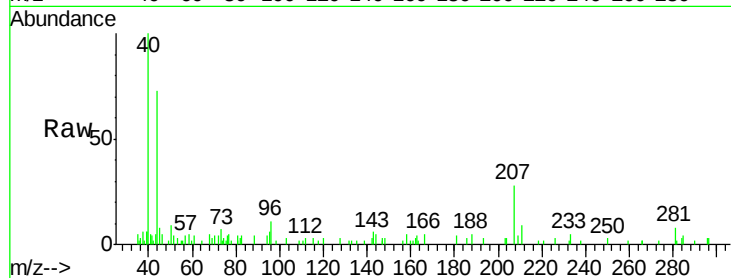
Tot Ion:156 Resp: 126

Ion Ratio Lower Upper

156 100

77 223.0 73.6 220.8#

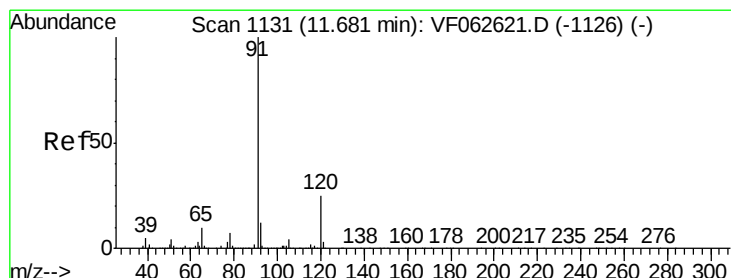
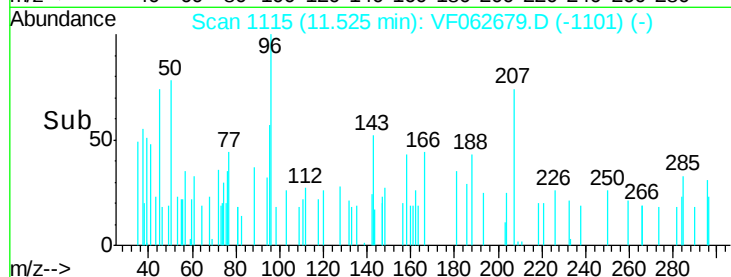
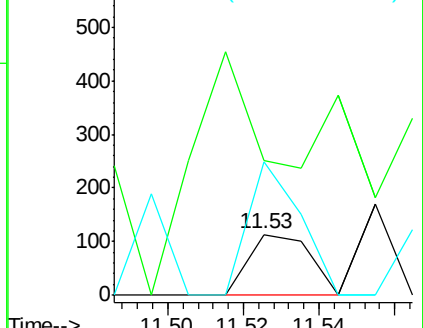
158 221.2 49.6 148.8#



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 55.312 ug/l

RT: 11.65 min Scan# 1128

Delta R.T. -0.03 min

Lab File: VF062679.D

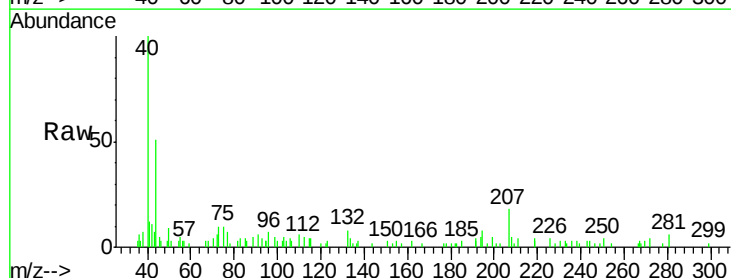
Acq: 21 May 2019 13:07

Tgt Ion: 91 Resp: 1065

Ion Ratio Lower Upper

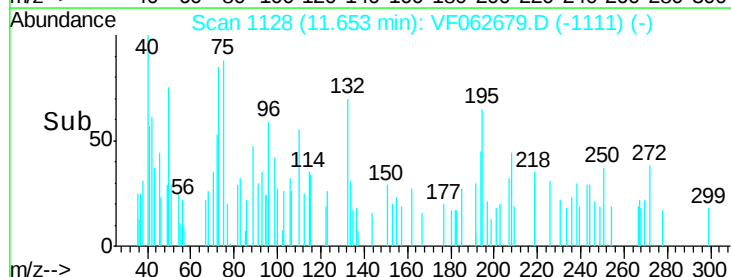
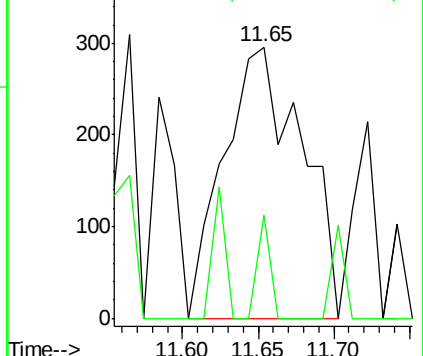
91 100

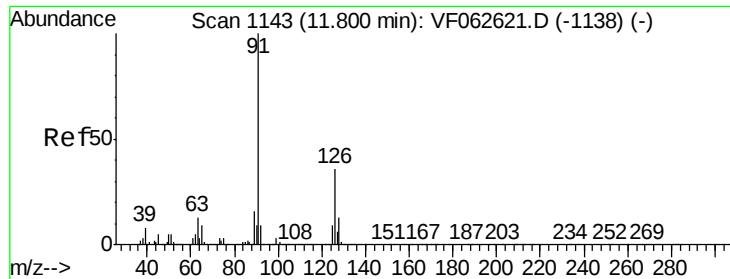
120 38.2 12.7 38.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 11.796 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

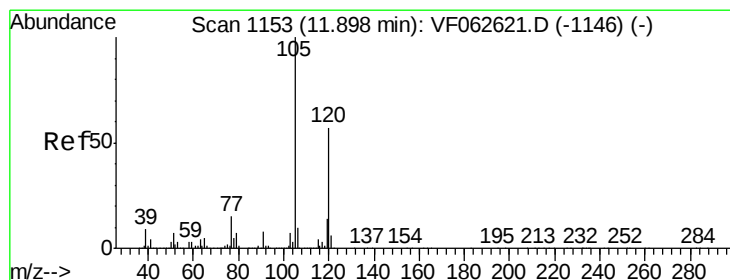
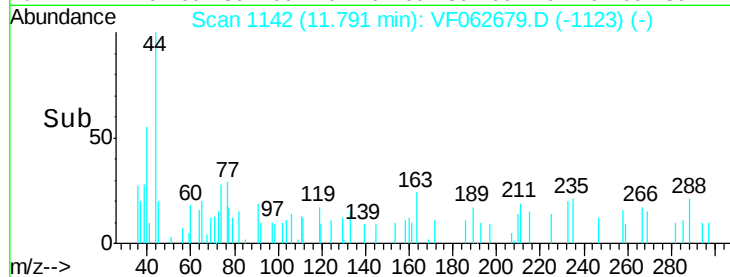
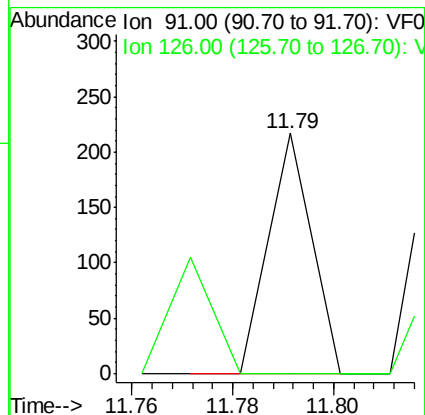
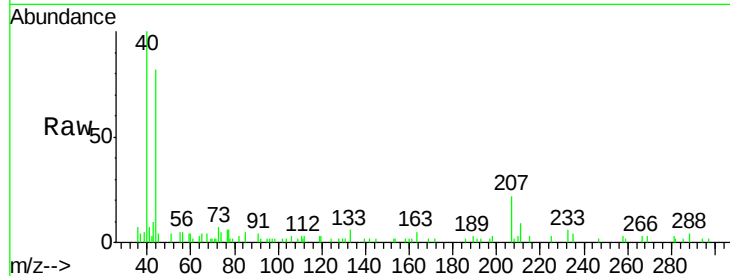
SU-01-051719

Tot Ion: 91 Resp: 128

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



#80

1,3,5-Trimethylbenzene

Concen: 35.721 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. 0.04 min

Lab File: VF062679.D

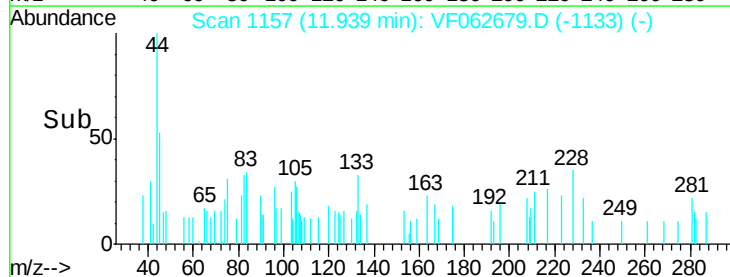
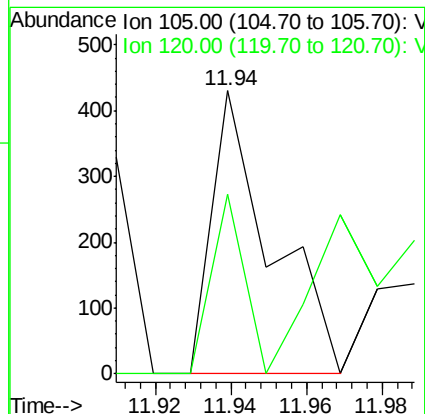
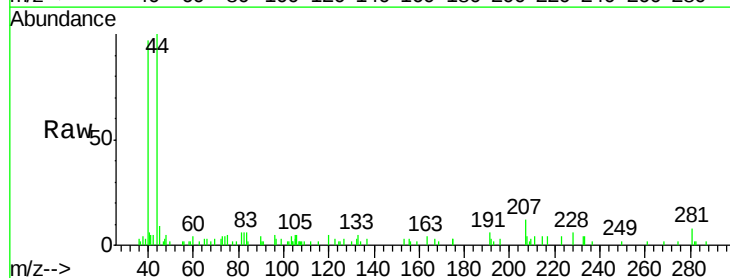
Acq: 21 May 2019 13:07

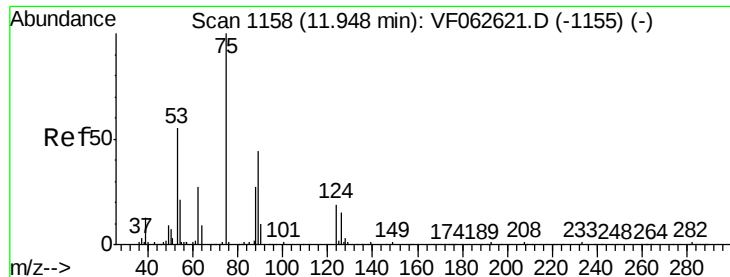
Tgt Ion: 105 Resp: 466

Ion Ratio Lower Upper

105 100

120 63.5 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 252.292 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

SU-01-051719

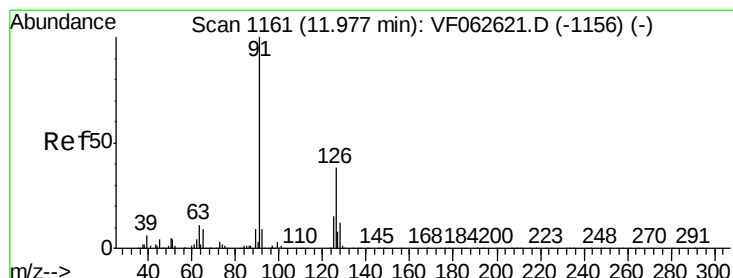
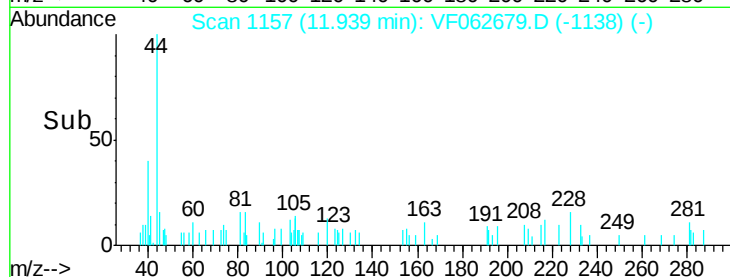
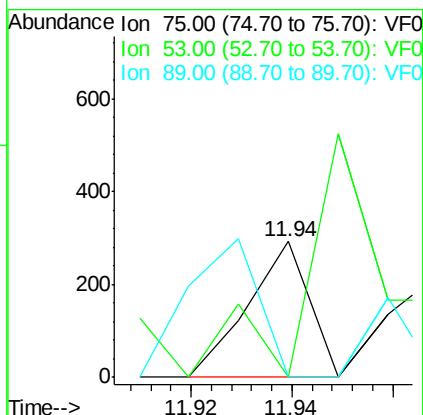
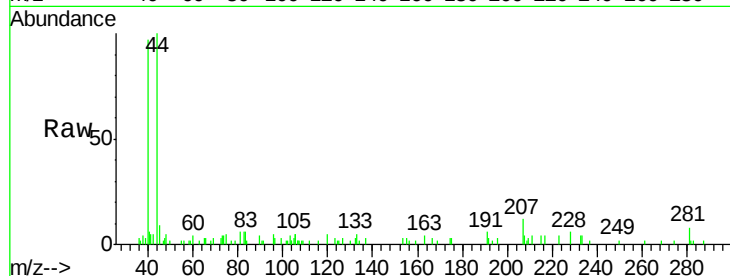
Tot Ion: 75 Resp: 245

Ion Ratio Lower Upper

75 100

53 0.0 46.9 70.3#

89 0.0 36.4 54.6#



#82

4-Chlorotoluene

Concen: 20.746 ug/l

RT: 12.09 min Scan# 1172

Delta R.T. 0.11 min

Lab File: VF062679.D

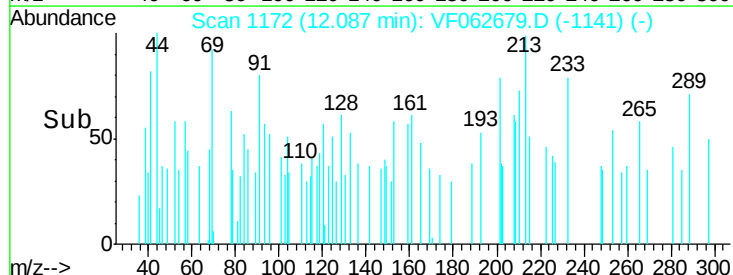
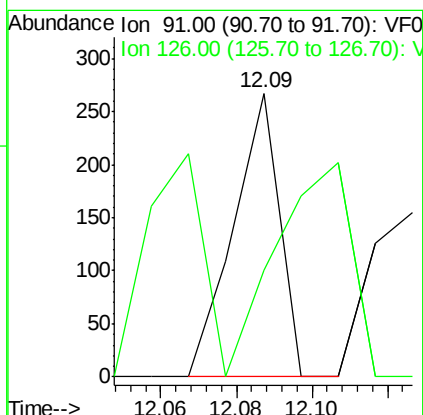
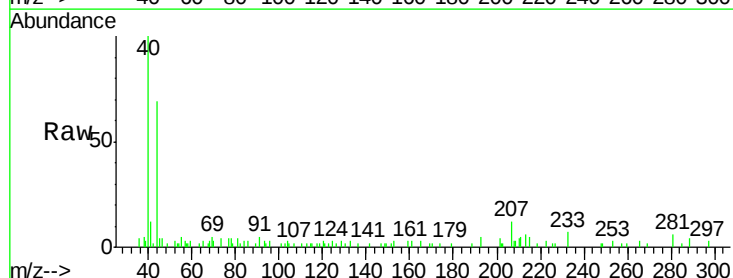
Acq: 21 May 2019 13:07

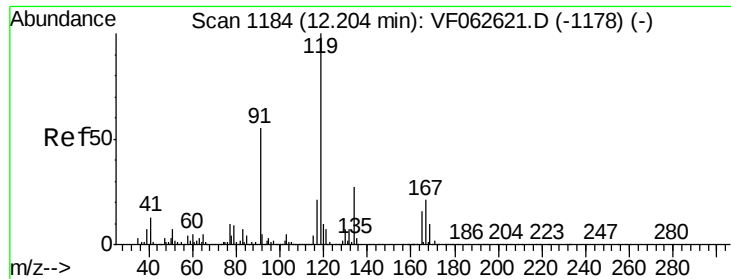
Tgt Ion: 91 Resp: 222

Ion Ratio Lower Upper

91 100

126 37.8 19.1 57.1





#83

tert-Butylbenzene

Concen: 24.555 ug/l

RT: 12.19 min Scan# 1182

Delta R.T. -0.02 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

SU-01-051719

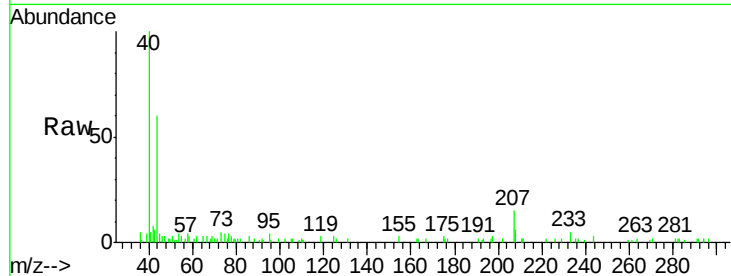
Tot Ion:119 Resp: 325

Ion Ratio Lower Upper

119 100

91 43.2 27.3 81.9

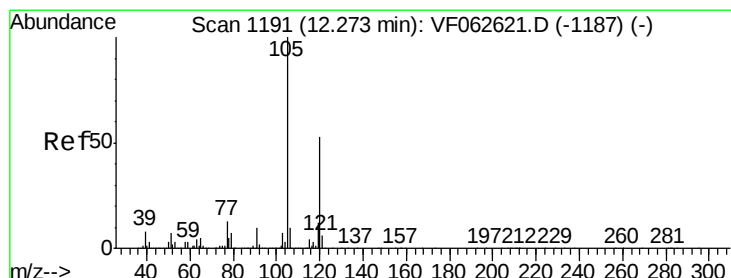
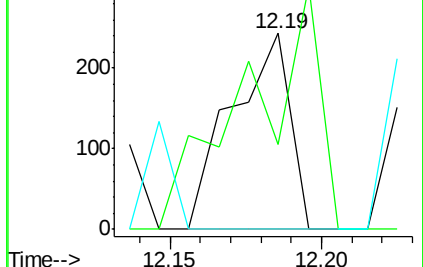
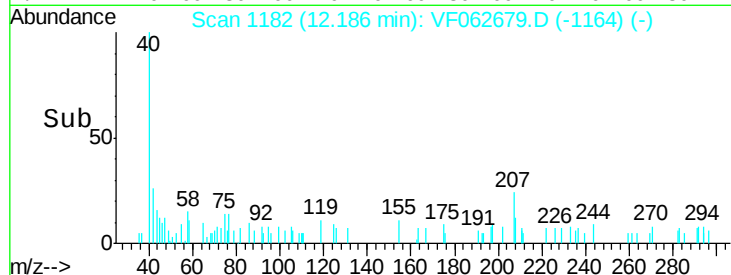
134 0.0 13.6 40.7#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 16.236 ug/l

RT: 12.24 min Scan# 1188

Delta R.T. -0.03 min

Lab File: VF062679.D

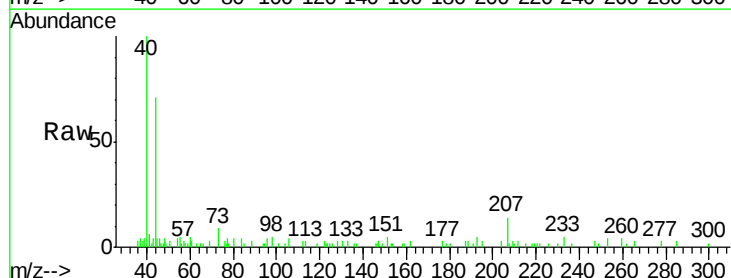
Acq: 21 May 2019 13:07

Tgt Ion:105 Resp: 205

Ion Ratio Lower Upper

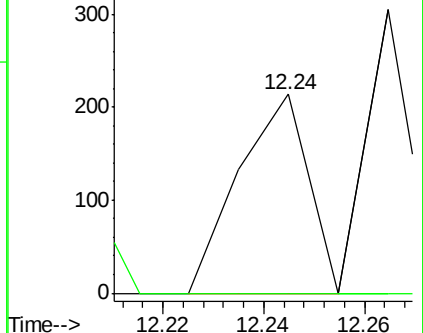
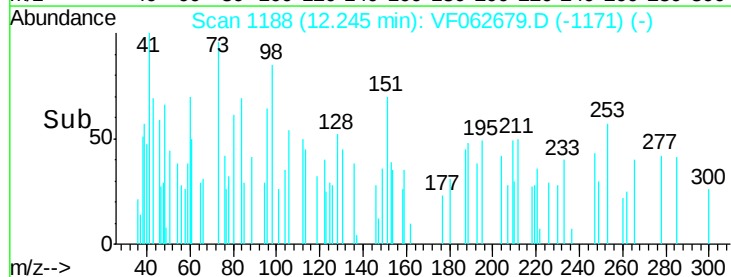
105 100

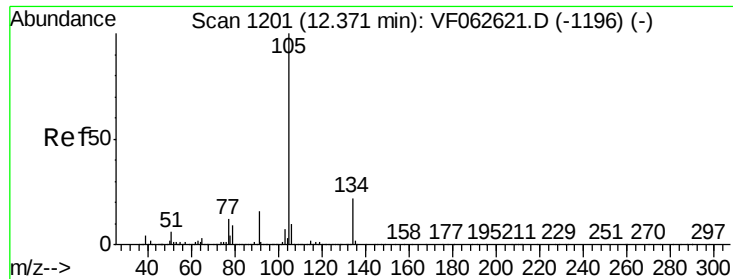
120 0.0 26.7 80.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 17.059 ug/l

RT: 12.35 min Scan# 1199

Delta R.T. -0.02 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

Instrument :

MSVOA_F

ClientSampled :

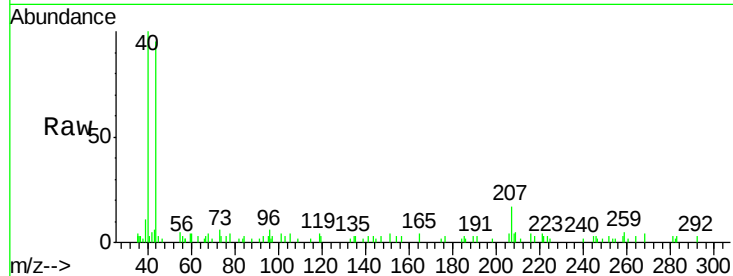
SU-01-051719

Tot Ion:105 Resp: 303

Ion Ratio Lower Upper

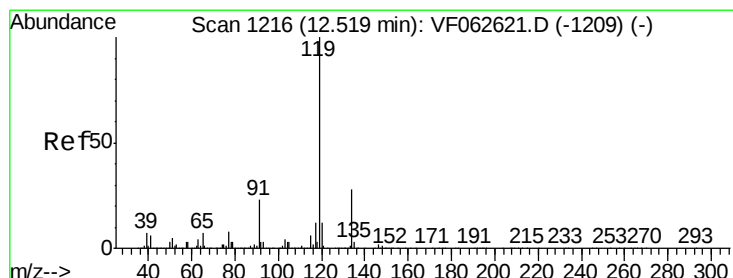
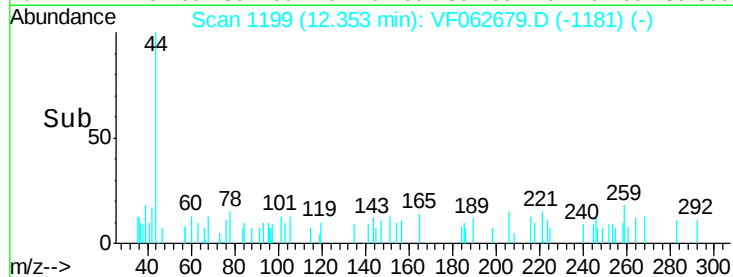
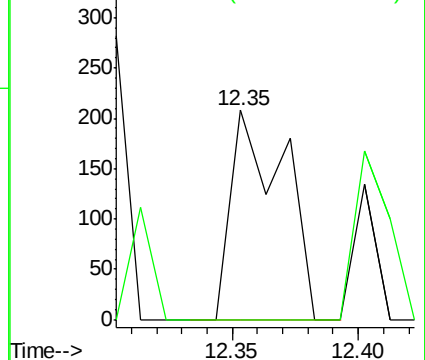
105 100

134 0.0 10.8 32.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 17.770 ug/l

RT: 12.49 min Scan# 1213

Delta R.T. -0.03 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

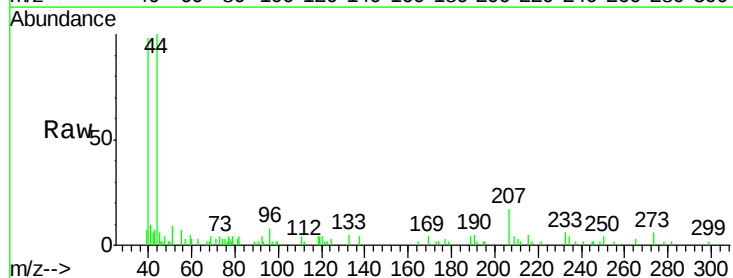
Tgt Ion:119 Resp: 266

Ion Ratio Lower Upper

119 100

134 0.0 14.1 42.3#

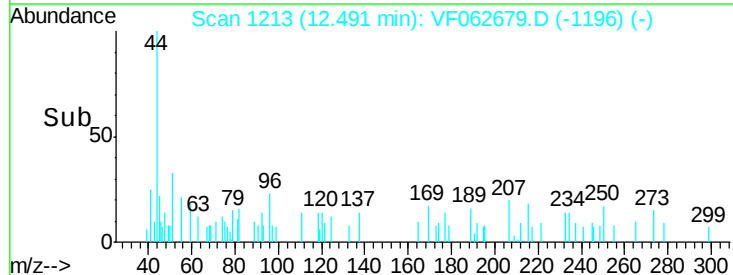
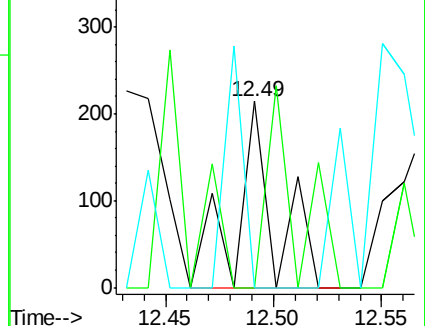
91 0.0 11.4 34.2#

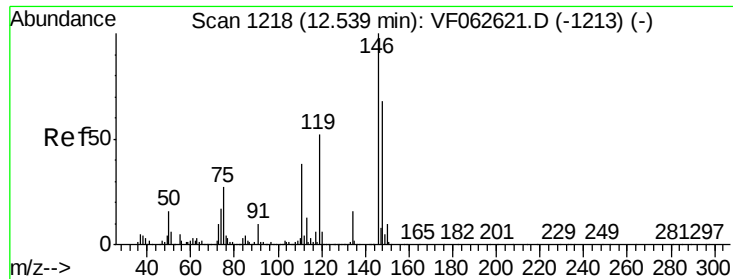


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 12.027 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.01 min

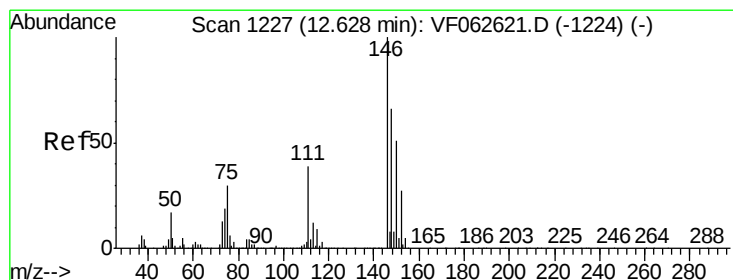
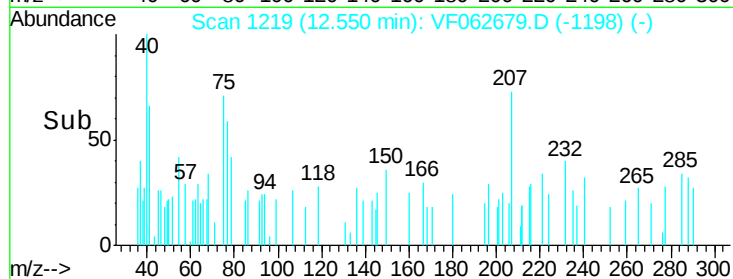
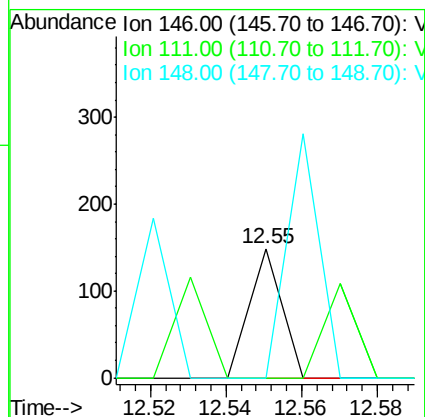
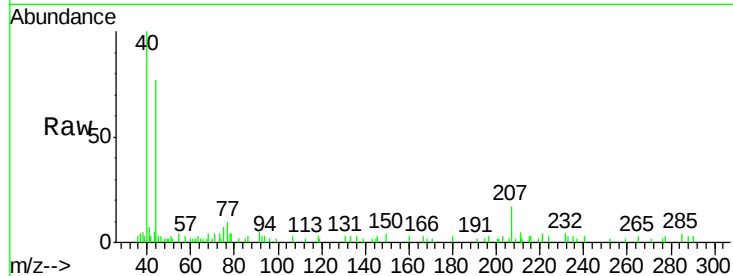
Lab File: VF062679.D

Acq: 21 May 2019 13:07

Instrument :
MSVOA_F
ClientSampled :
SU-01-051719

Tot Ion:146 Resp: 88

Ion	Ratio	Lower	Upper
146	100		
111	0.0	18.9	56.9#
148	0.0	34.0	101.8#



#88

1,4-Dichlorobenzene

Concen: 19.662 ug/l

RT: 12.61 min Scan# 1225

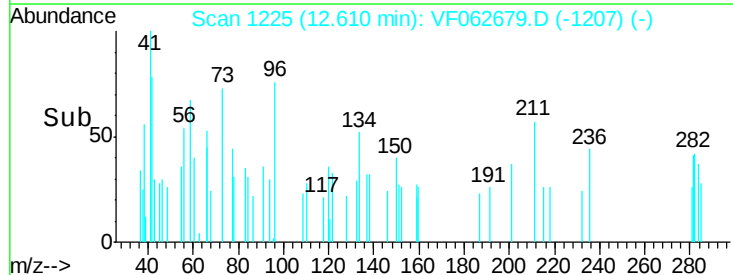
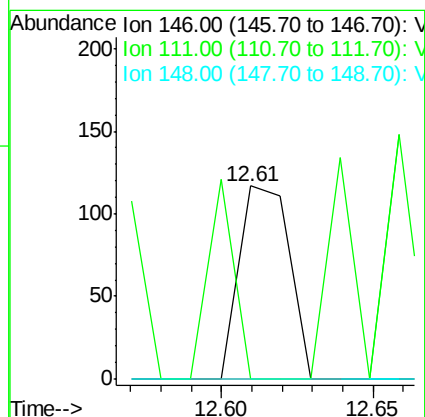
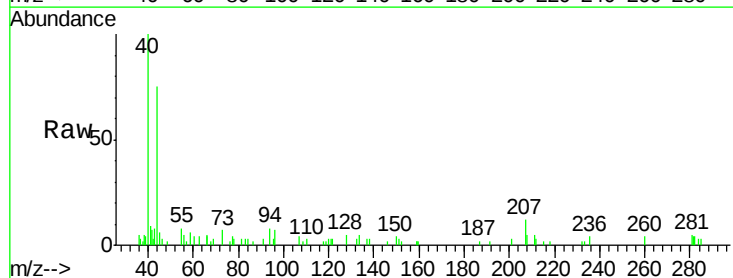
Delta R.T. -0.02 min

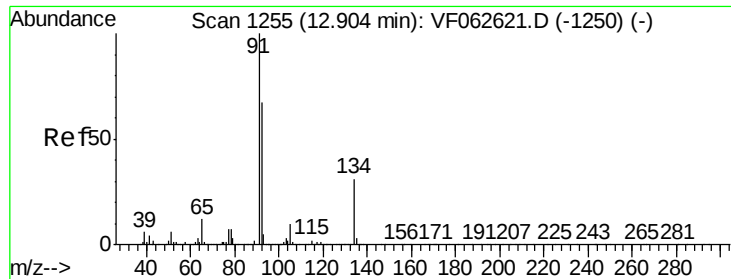
Lab File: VF062679.D

Acq: 21 May 2019 13:07

Tgt Ion:146 Resp: 135

Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.4	58.2#
148	0.0	33.2	99.6#





#89

n-Butylbenzene

Concen: 34.420 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. 0.02 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

SU-01-051719

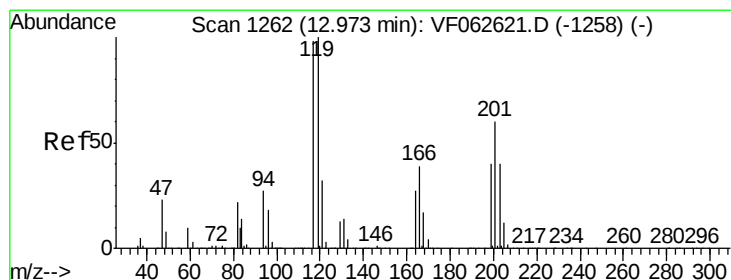
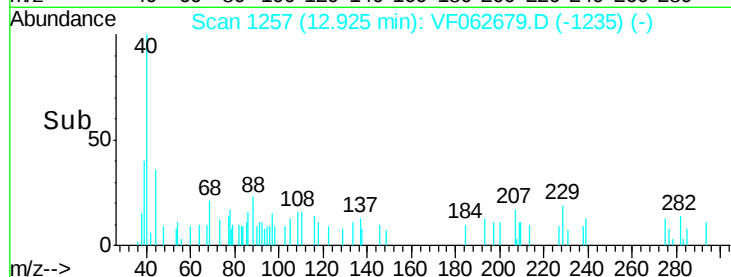
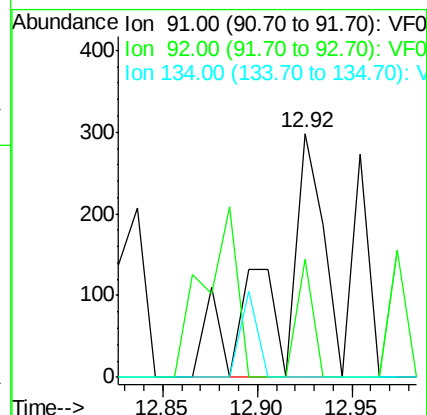
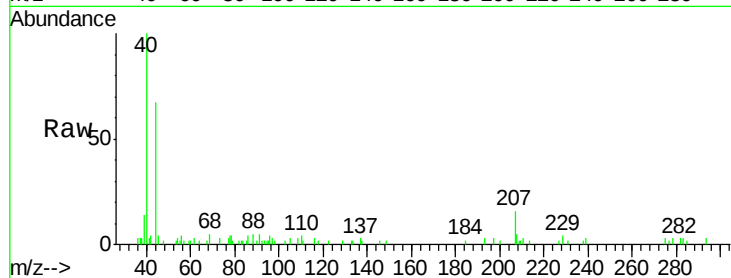
Tot Ion: 91 Resp: 508

Ion Ratio Lower Upper

91 100

92 48.7 33.3 99.8

134 0.0 15.4 46.4#



#90

Hexachloroethane

Concen: 108.886 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VF062679.D

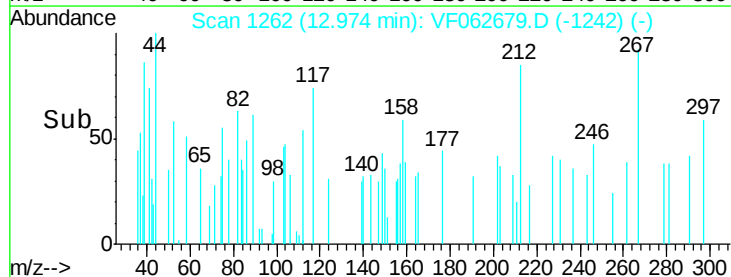
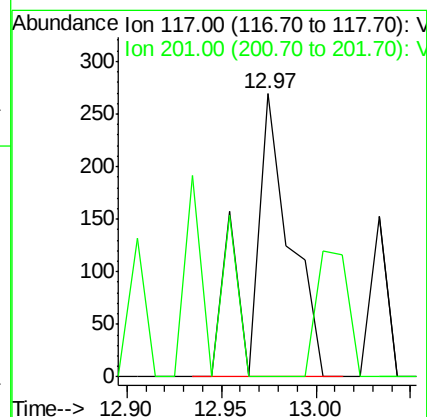
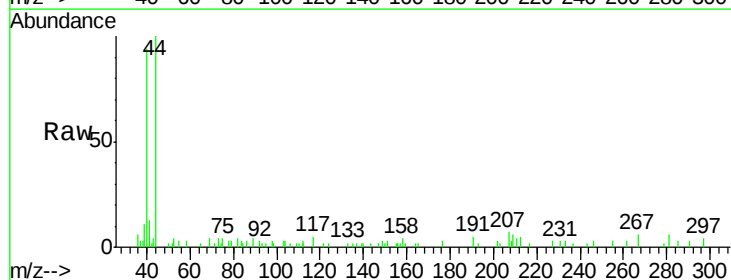
Acq: 21 May 2019 13:07

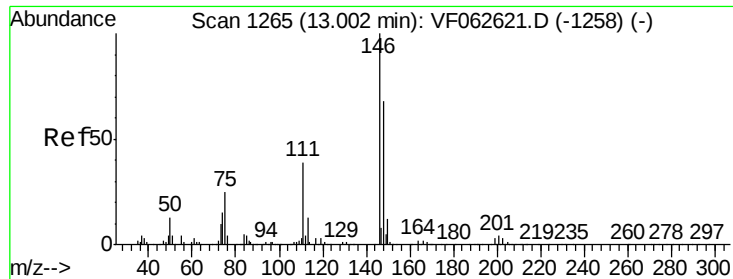
Tgt Ion: 117 Resp: 391

Ion Ratio Lower Upper

117 100

201 57.2 30.7 92.1





#91

1,2-Dichlorobenzene

Concen: 24.992 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. 0.01 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

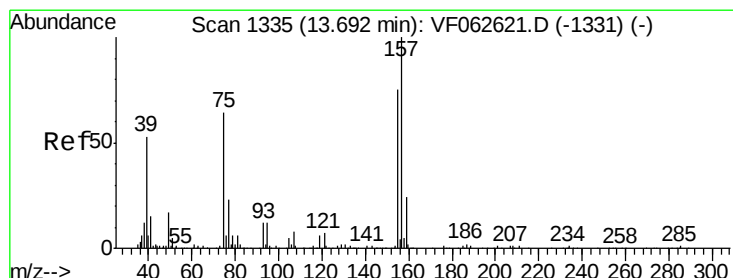
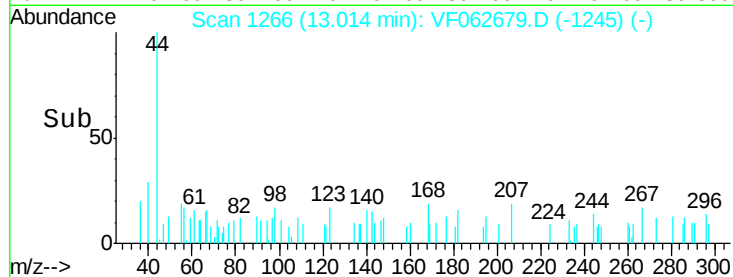
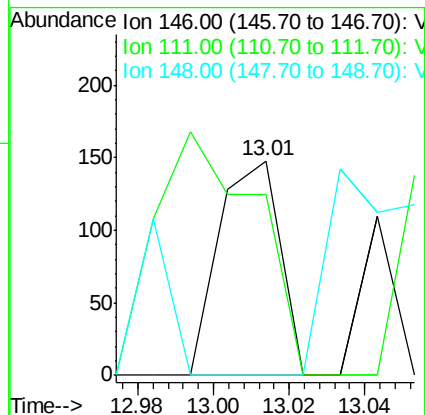
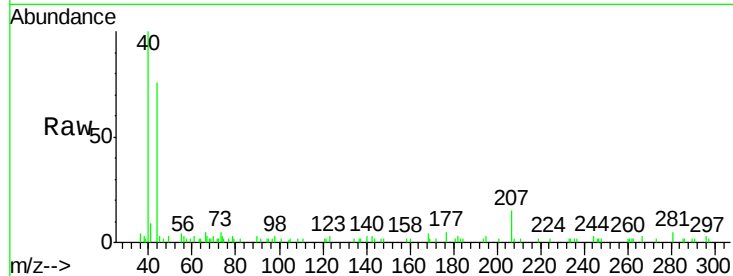
Instrument :

MSVOA_F

ClientSampleId :

SU-01-051719

Tot Ion:	146	Resp:	163
Ion	Ratio	Lower	Upper
146	100		
111	84.5	19.8	59.3#
148	0.0	34.1	102.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 315.142 ug/l

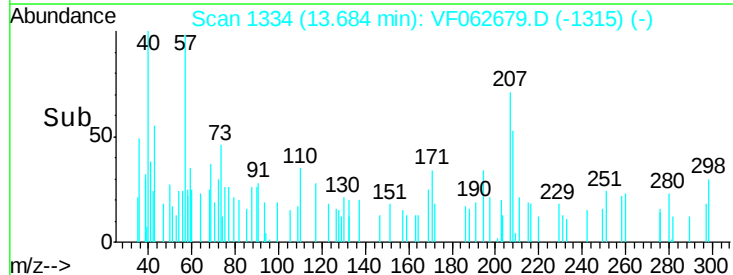
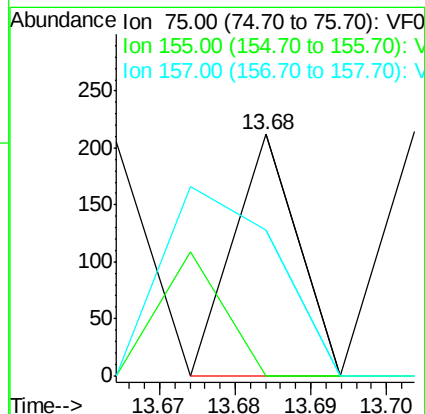
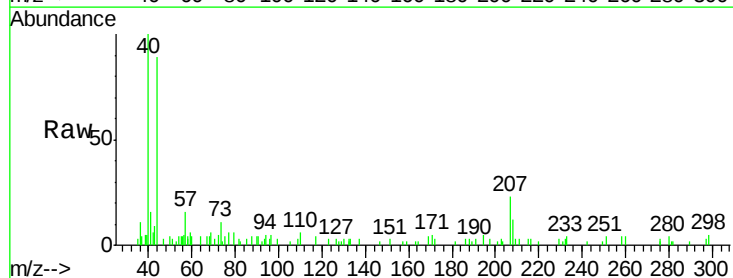
RT: 13.68 min Scan# 1334

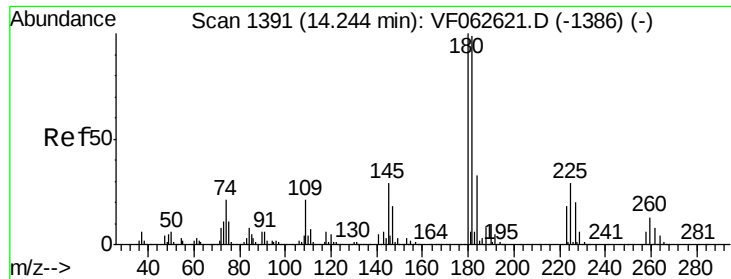
Delta R.T. -0.01 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

Tgt Ion:	75	Resp:	125
Ion	Ratio	Lower	Upper
75	100		
155	0.0	58.1	174.3#
157	60.4	77.8	233.4#

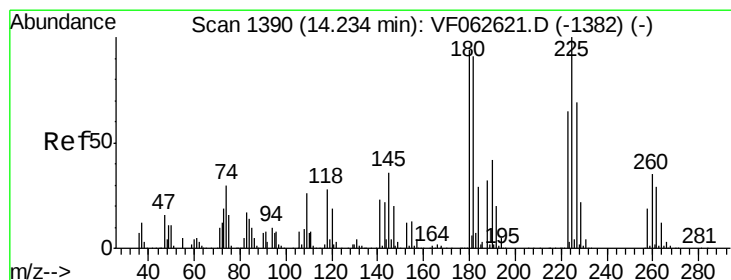
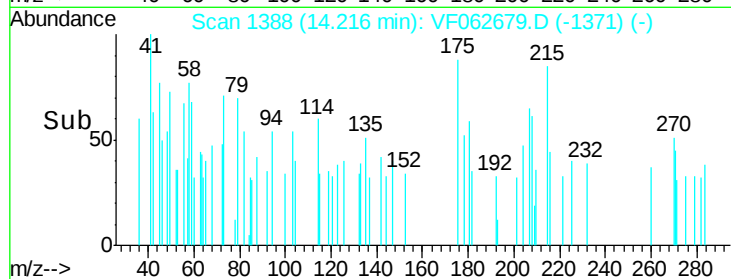
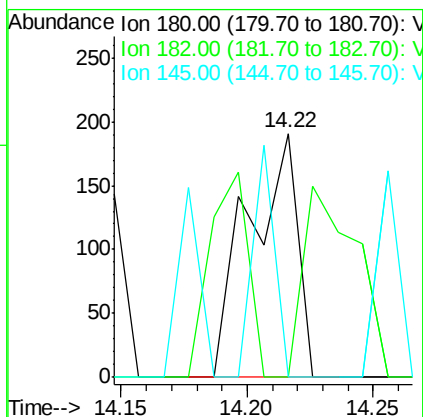
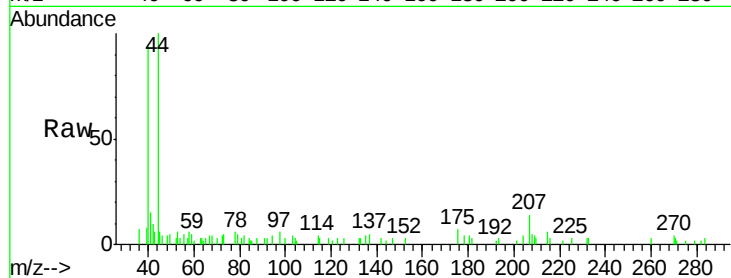




#93
 1,2,4-Trichlorobenzene
 Concen: 55.265 ug/l
 RT: 14.22 min Scan# 1388
 Delta R.T. -0.03 min
 Lab File: VF062679.D
 Acq: 21 May 2019 13:07

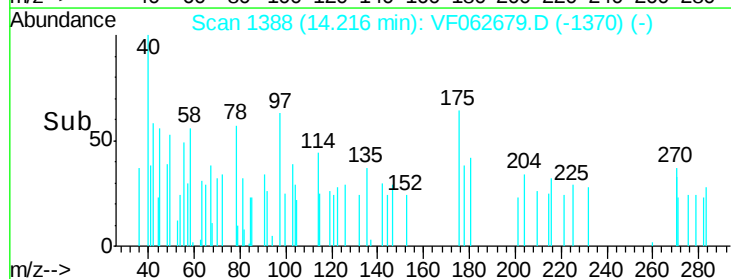
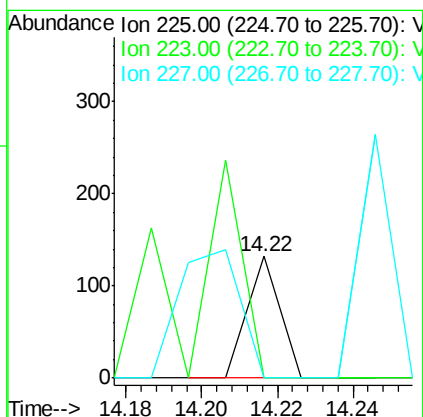
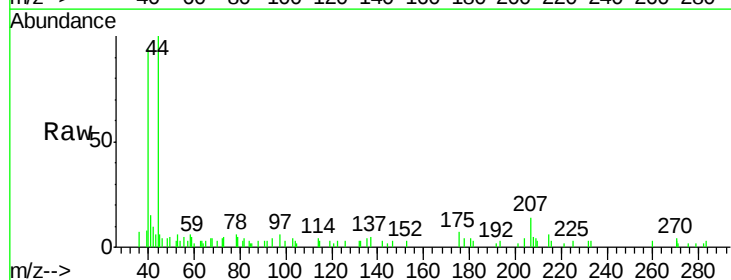
Instrument :
 MSVOA_F
 ClientSampleId :
 SU-01-051719

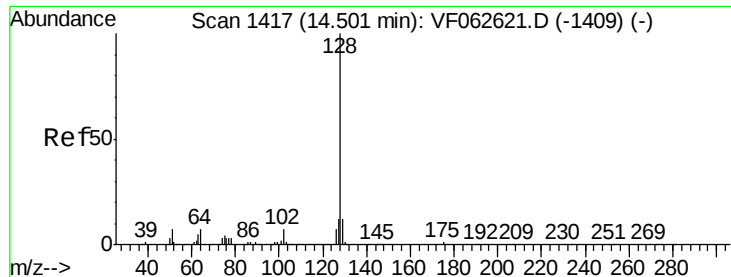
Tot Ion:180 Resp: 258
 Ion Ratio Lower Upper
 180 100
 182 0.0 49.7 149.1#
 145 0.0 14.6 44.0#



#94
 Hexachlorobutadiene
 Concen: 23.942 ug/l
 RT: 14.22 min Scan# 1388
 Delta R.T. -0.02 min
 Lab File: VF062679.D
 Acq: 21 May 2019 13:07

Tgt Ion:225 Resp: 78
 Ion Ratio Lower Upper
 225 100
 223 0.0 32.5 97.4#
 227 0.0 34.5 103.5#





#95

Naphthalene

Concen: 71.571 ug/l

RT: 14.48 min Scan# 1415

Delta R.T. -0.02 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

SU-01-051719

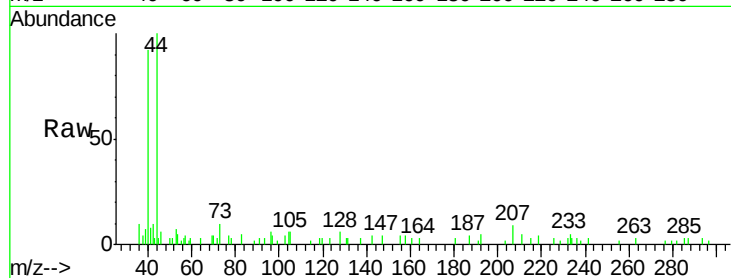
Tot Ion:128 Resp: 607

Ion Ratio Lower Upper

128 100

127 0.0 9.7 14.5#

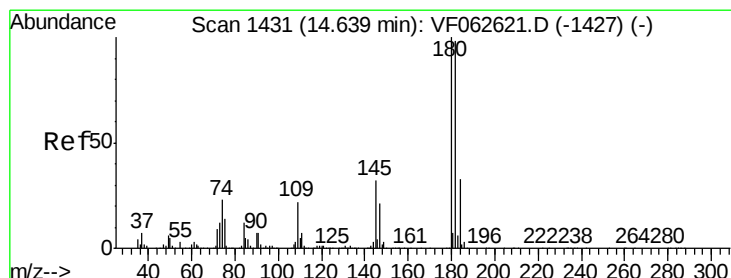
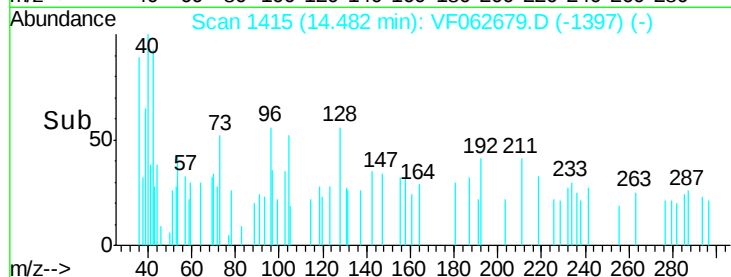
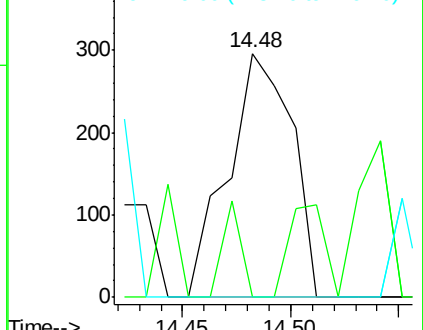
129 0.0 9.3 13.9#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.961 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. 0.03 min

Lab File: VF062679.D

Acq: 21 May 2019 13:07

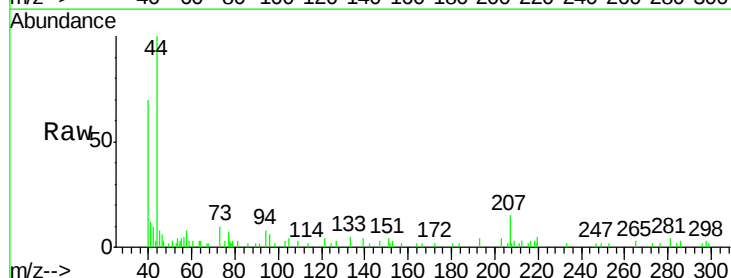
Tgt Ion:180 Resp: 75

Ion Ratio Lower Upper

180 100

182 0.0 48.9 146.7#

145 0.0 16.1 48.2#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

