

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102022\
 Data File : VW028635.D
 Acq On : 20 Oct 2022 15:18
 Operator : SY/MD
 Sample : N5173-03DL 5X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXS8DL

Quant Time: Oct 21 01:11:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 21 00:53:32 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	151233	5.000	ug/L	0.02
28) Chlorobenzene-d5	8.850	117	141955	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.242	152	62279	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	55716	3.721	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.400%
7) Chloroethane-d5	1.574	69	57545	4.889	ug/L	0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.800%
11) 1,1-Dichloroethene-d2	2.111	63	86350	3.319	ug/L	0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.400%
20) 2-Butanone-d5	3.973	46	254784	90.410	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	180.820%#
24) Chloroform-d	4.346	84	138200	6.223	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	124.400%
26) 1,2-Dichloroethane-d4	5.034	65	85322	7.093	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	141.800%#
32) Benzene-d6	5.040	84	259746	4.205	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.200%
36) 1,2-Dichloropropane-d6	6.075	67	65490	3.382	ug/L	0.02
Spiked Amount	5.000	Range	60 - 140	Recovery	=	67.600%
41) Toluene-d8	7.320	98	135394	3.031	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	60.600%#
43) trans-1,3-Dichloroprop...	7.632	79	15157	3.224	ug/L	0.02
Spiked Amount	5.000	Range	55 - 130	Recovery	=	64.400%
46) 2-Hexanone-d5	8.108	63	100562	51.515	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.020%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	46261	5.057	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.200%
66) 1,2-Dichlorobenzene-d4	11.615	152	50134	4.479	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.124	85	1705	0.232	ug/L	93
3) Chloromethane	1.233	50	1602	0.109	ug/L	90
6) Bromomethane	1.529	94	1015	0.147	ug/L	93
9) Trichlorofluoromethane	1.757	101	1175	0.068	ug/L	86
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	1165	0.112	ug/L #	26
12) 1,1-Dichloroethene	2.111	96	1022	0.105	ug/L #	1
14) Carbon disulfide	2.294	76	1461	0.062	ug/L #	1
16) Methylene chloride	2.510	84	17468	1.242	ug/L	96
17) Methyl tert-butyl Ether	2.786	73	6573	0.246	ug/L	96
18) trans-1,2-Dichloroethene	2.735	96	370	0.035	ug/L	76
22) cis-1,2-Dichloroethene	3.908	96	4503	0.368	ug/L #	95
25) Chloroform	4.375	83	5437	0.231	ug/L	90
27) 1,2-Dichloroethane	5.137	62	926	0.063	ug/L #	1
34) Trichloroethene	5.911	95	68056	4.428	ug/L	94
35) Methylcyclohexane	6.075	83	15176	0.629	ug/L #	16
47) Tetrachloroethene	7.976	164	15110	1.821	ug/L	96
49) Dibromochloromethane	7.972	129	14100	1.811	ug/L #	13
61) 1,2,3-Trichloropropane	11.242	75	8931	1.323	ug/L #	64
71) Naphthalene	13.500	128	1372	0.070	ug/L #	80

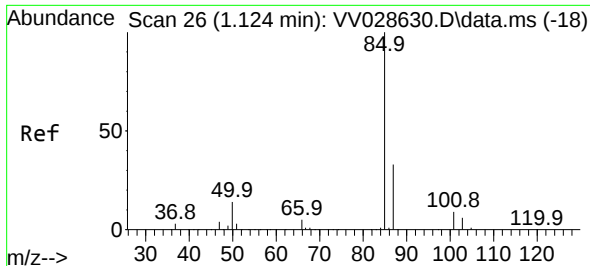
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102022\
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Oct 21 00:53:32 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

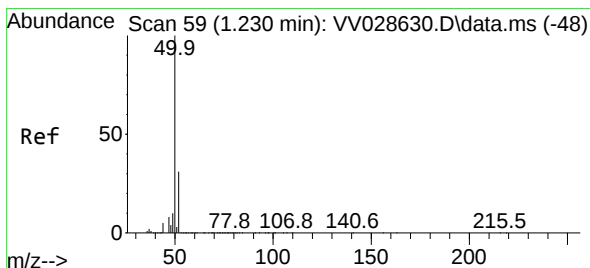
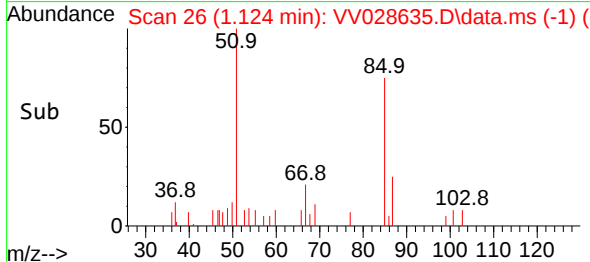
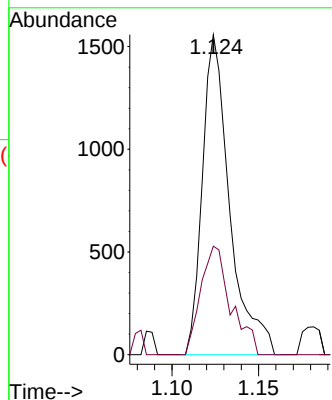
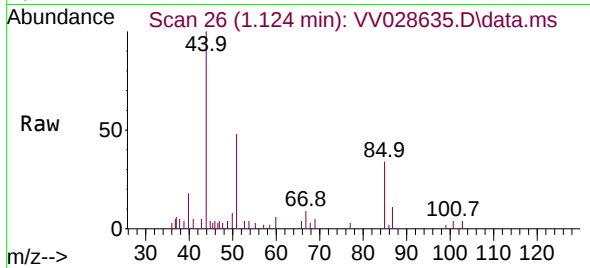
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 0.232 ug/L
 RT: 1.124 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV028635.D
 Acq: 20 Oct 2022 15:18

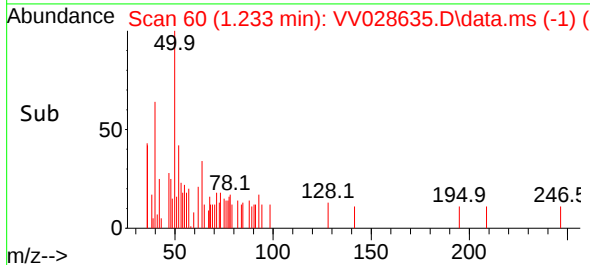
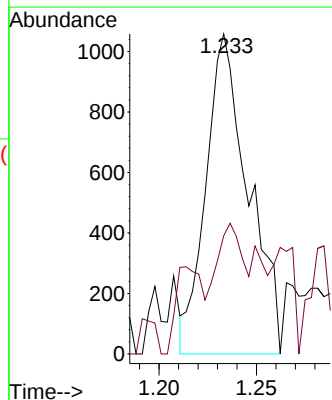
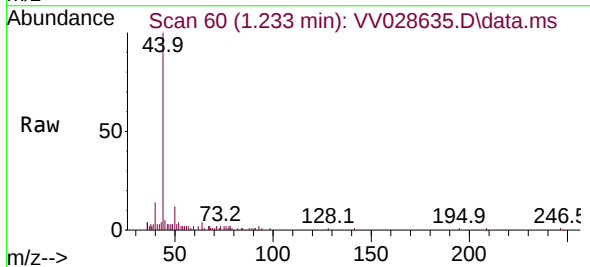
Instrument :
 MSVOA_V
 ClientSampleId :
 BFXS8DL

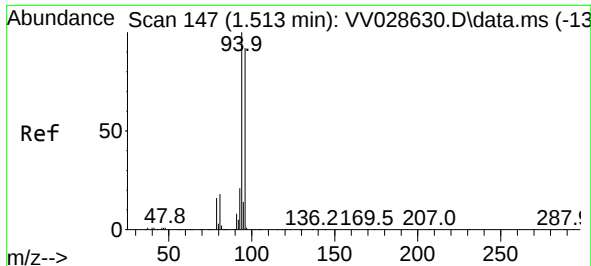
Tgt Ion: 85 Resp: 1705
 Ion Ratio Lower Upper
 85 100
 87 37.5 26.6 40.0



#3
 Chloromethane
 Concen: 0.109 ug/L
 RT: 1.233 min Scan# 60
 Delta R.T. 0.003 min
 Lab File: VV028635.D
 Acq: 20 Oct 2022 15:18

Tgt Ion: 50 Resp: 1602
 Ion Ratio Lower Upper
 50 100
 52 37.0 21.8 40.6

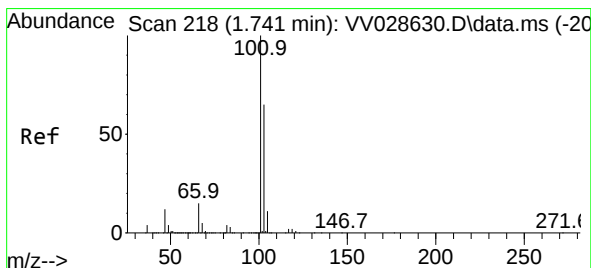
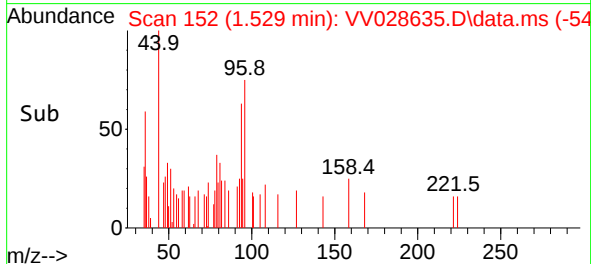
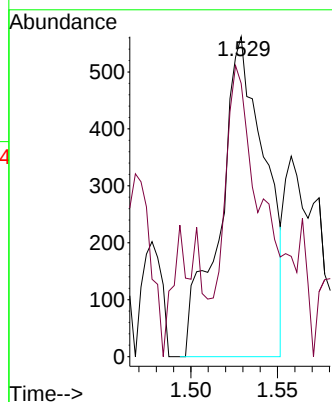
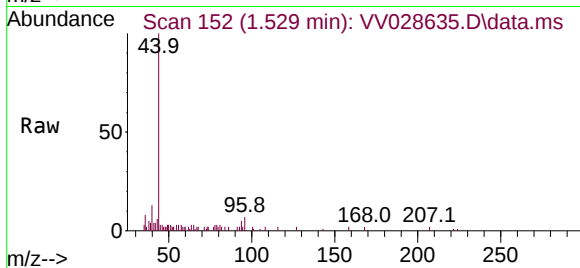




#6
Bromomethane
Concen: 0.147 ug/L
RT: 1.529 min Scan# 11
Delta R.T. 0.016 min
Lab File: VV028635.D
Acq: 20 Oct 2022 15:18

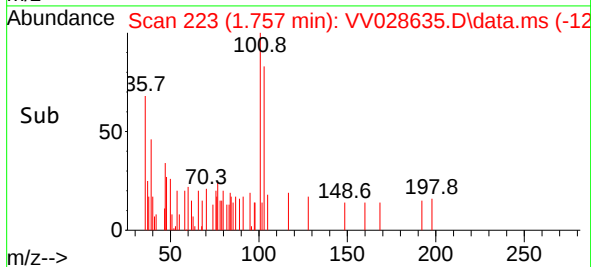
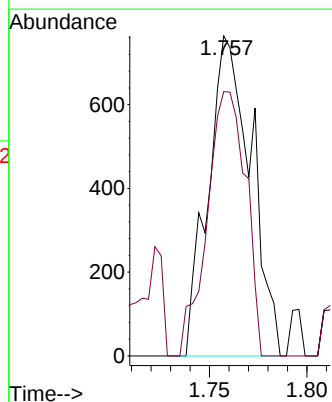
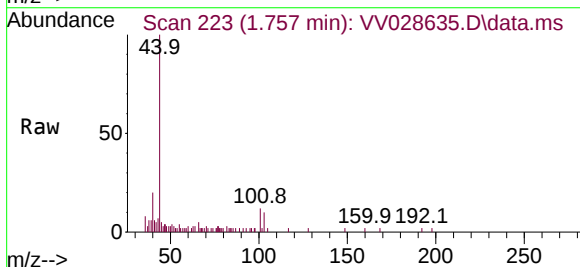
Instrument :
MSVOA_V
ClientSampleId :
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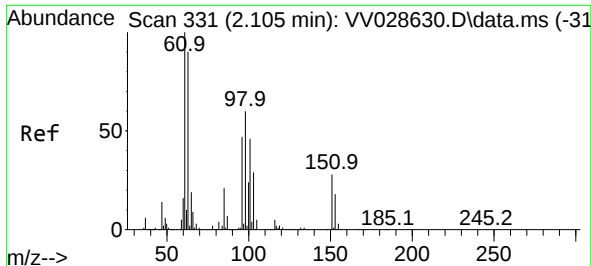
Tgt Ion: 94 Resp: 1015
Ion Ratio Lower Upper
94 100
96 85.4 64.3 119.3



#9
Trichlorofluoromethane
Concen: 0.068 ug/L
RT: 1.757 min Scan# 223
Delta R.T. 0.016 min
Lab File: VV028635.D
Acq: 20 Oct 2022 15:18

Tgt Ion:101 Resp: 1175
Ion Ratio Lower Upper
101 100
103 74.4 51.0 76.6





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.112 ug/L

RT: 2.111 min Scan# 333

Delta R.T. 0.006 min

Lab File: VV028635.D

Acq: 20 Oct 2022 15:18

Instrument :

MSVOA_V

ClientSampleId :

BFXS8DL

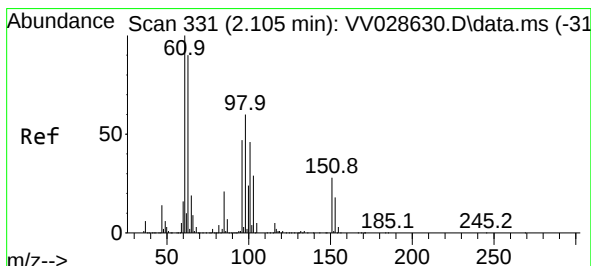
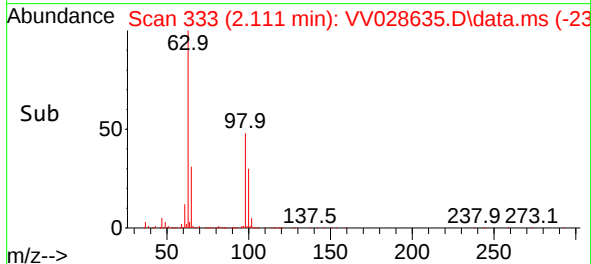
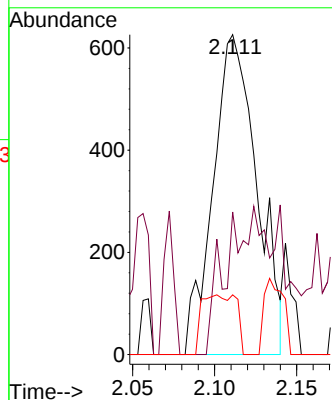
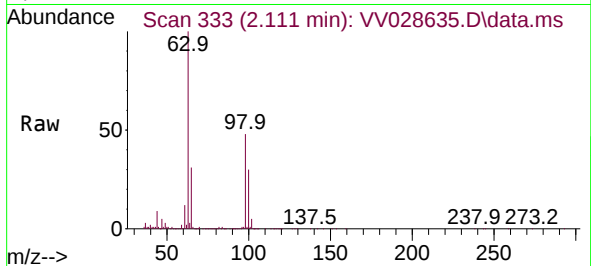
Tgt Ion:101 Resp: 1165

Ion Ratio Lower Upper

101 100

85 3.7 37.0 55.6#

151 0.0 50.2 75.2#



#12

1,1-Dichloroethene

Concen: 0.105 ug/L

RT: 2.111 min Scan# 333

Delta R.T. 0.006 min

Lab File: VV028635.D

Acq: 20 Oct 2022 15:18

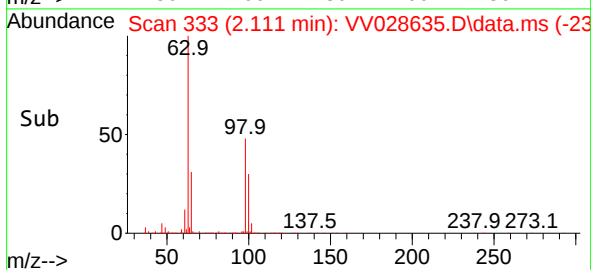
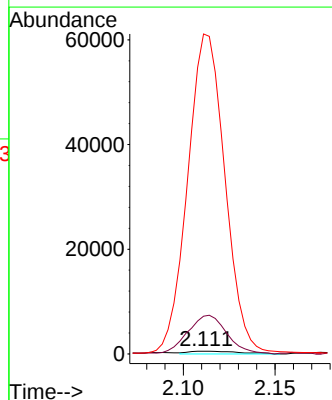
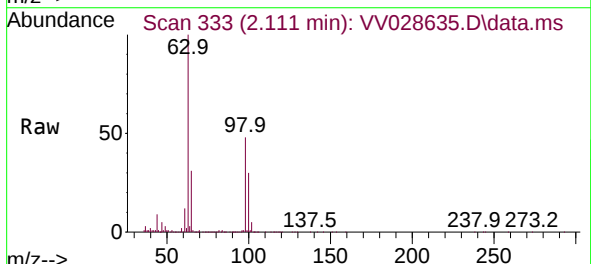
Tgt Ion: 96 Resp: 1022

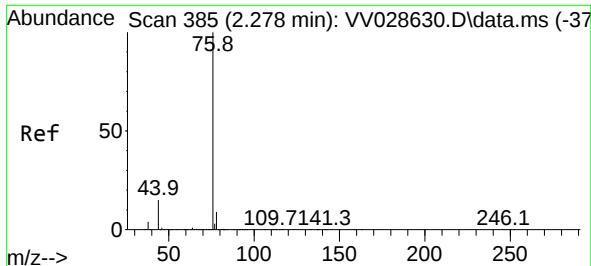
Ion Ratio Lower Upper

96 100

61 1370.2 148.1 275.1#

63 11619.8 133.3 247.7#

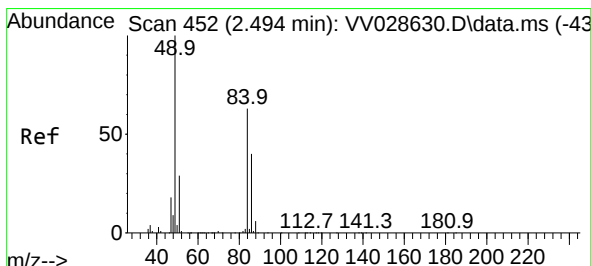
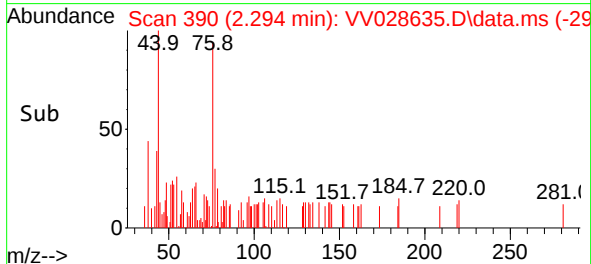
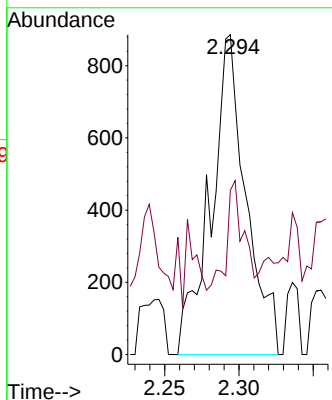
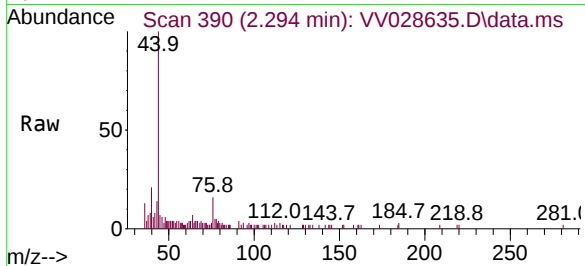




#14
Carbon disulfide
Concen: 0.062 ug/L
RT: 2.294 min Scan# 390
Delta R.T. 0.016 min
Lab File: VV028635.D
Acq: 20 Oct 2022 15:18

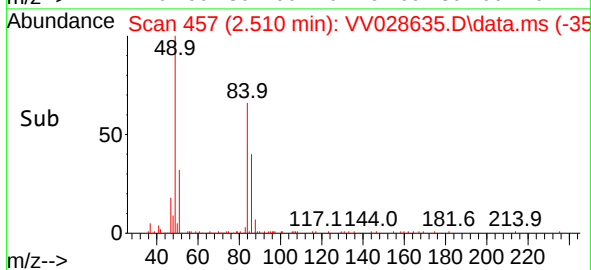
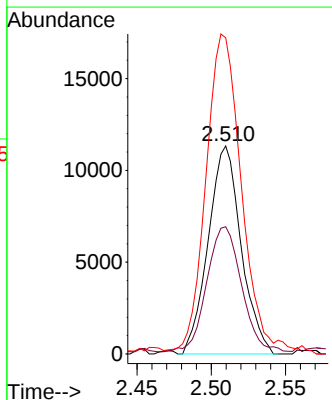
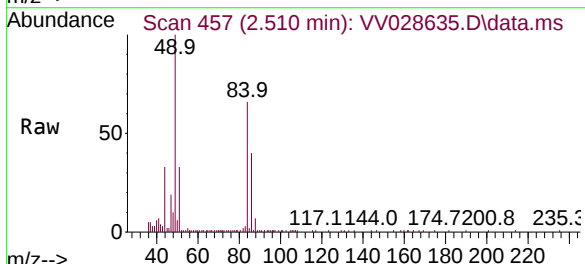
Instrument :
MSVOA_V
ClientSampleId :
BFXS8DL

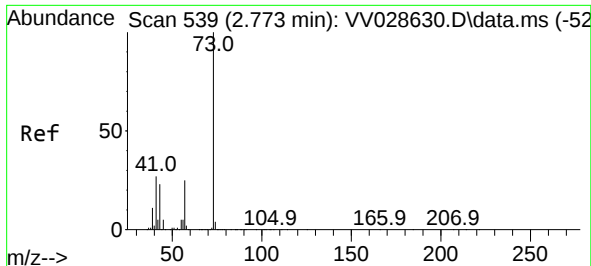
Tgt Ion: 76 Resp: 1461
Ion Ratio Lower Upper
76 100
78 51.4 7.1 10.7#



#16
Methylene chloride
Concen: 1.242 ug/L
RT: 2.510 min Scan# 457
Delta R.T. 0.016 min
Lab File: VV028635.D
Acq: 20 Oct 2022 15:18

Tgt Ion: 84 Resp: 17468
Ion Ratio Lower Upper
84 100
86 61.2 44.4 82.4
49 152.0 110.8 205.8





#17

Methyl tert-butyl Ether

Concen: 0.246 ug/L

RT: 2.786 min Scan# 54

Delta R.T. 0.013 min

Lab File: VV028635.D

Acq: 20 Oct 2022 15:18

Instrument :

MSVOA_V

ClientSampleId :

BFXS8DL

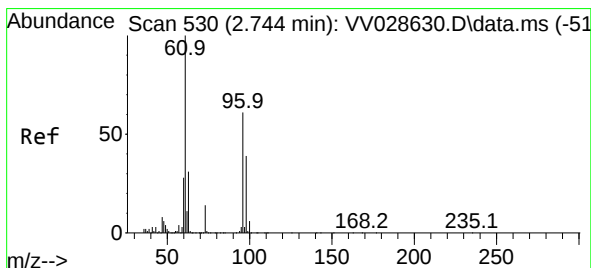
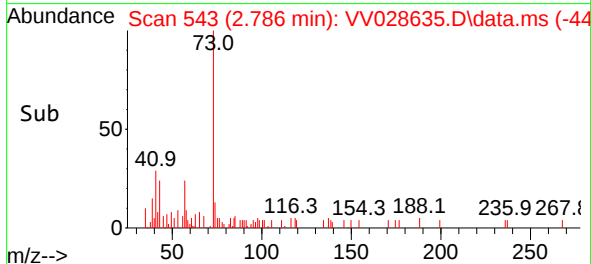
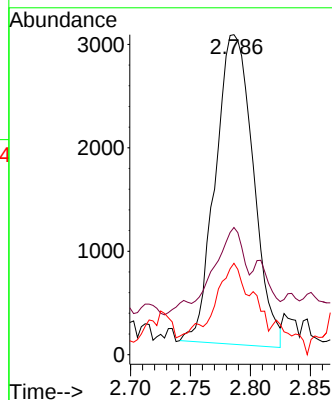
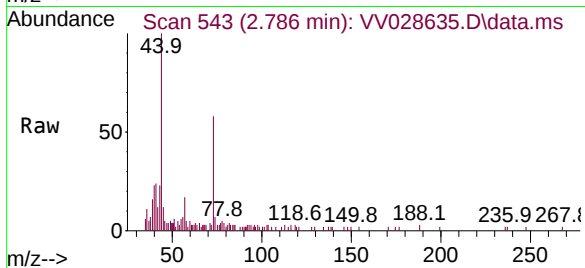
Tgt Ion: 73 Resp: 6573

Ion Ratio Lower Upper

73 100

43 21.2 18.0 27.0

57 27.2 20.0 30.0



#18

trans-1,2-Dichloroethene

Concen: 0.035 ug/L

RT: 2.735 min Scan# 527

Delta R.T. -0.010 min

Lab File: VV028635.D

Acq: 20 Oct 2022 15:18

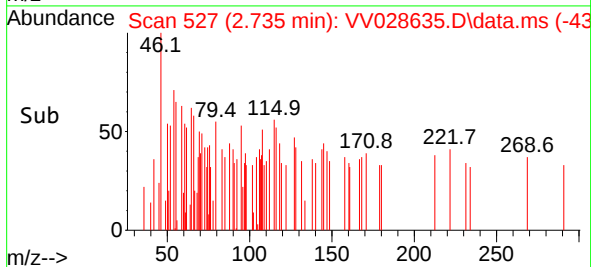
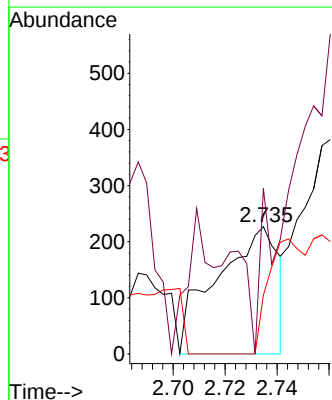
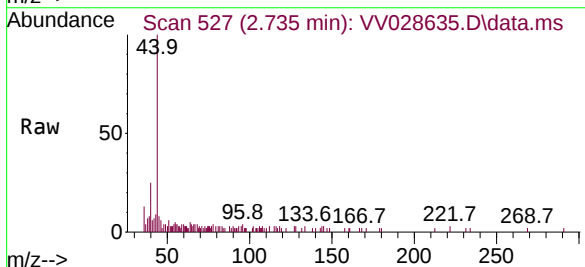
Tgt Ion: 96 Resp: 370

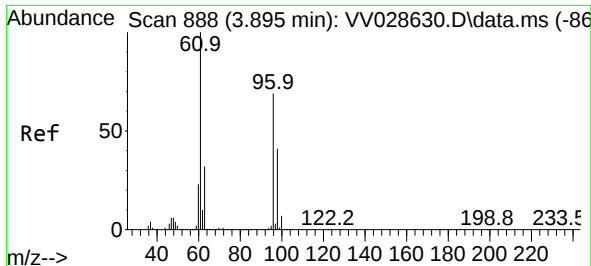
Ion Ratio Lower Upper

96 100

61 130.0 114.3 212.3

98 46.3 45.0 83.6





#22

cis-1,2-Dichloroethene

Concen: 0.368 ug/L

RT: 3.908 min Scan# 892

Delta R.T. 0.013 min

Lab File: VV028635.D

Acq: 20 Oct 2022 15:18

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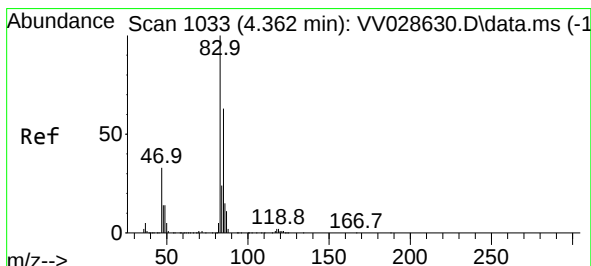
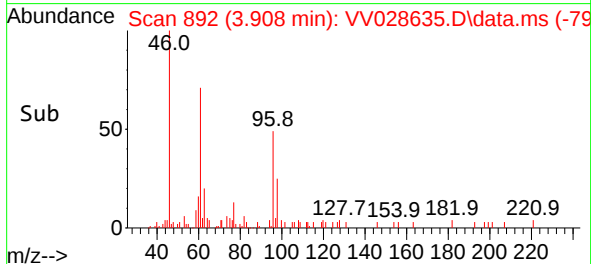
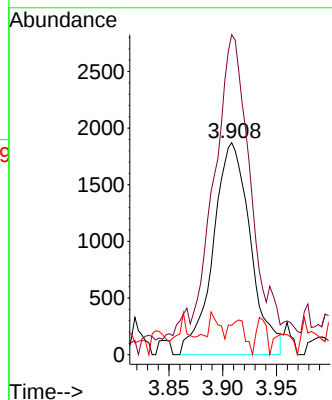
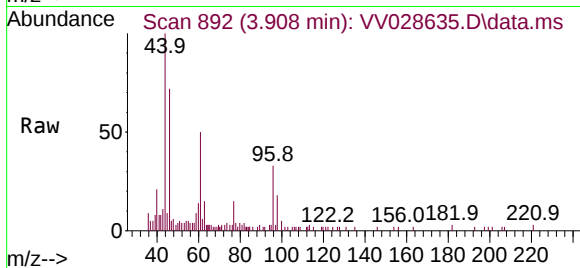
Tgt Ion: 96 Resp: 4503

Ion Ratio Lower Upper

96 100

61 150.9 101.4 188.2

68 13.9 0.5 0.9#



#25

Chloroform

Concen: 0.231 ug/L

RT: 4.375 min Scan# 1037

Delta R.T. 0.013 min

Lab File: VV028635.D

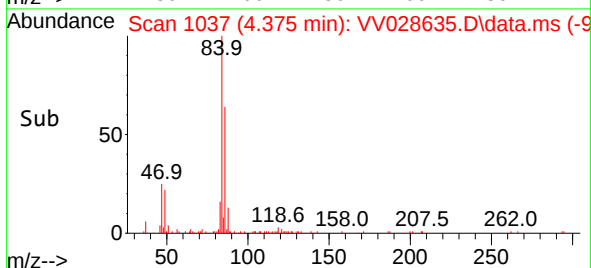
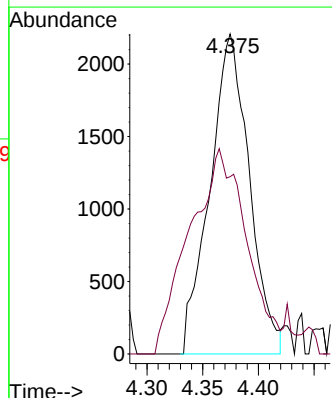
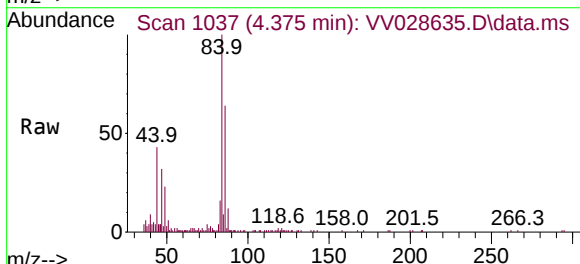
Acq: 20 Oct 2022 15:18

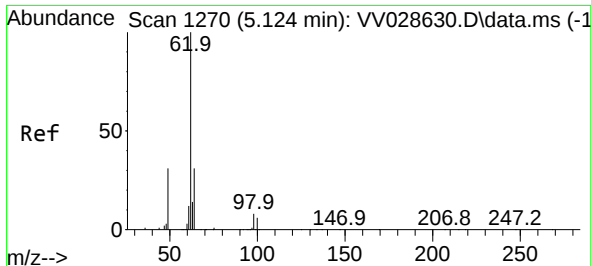
Tgt Ion: 83 Resp: 5437

Ion Ratio Lower Upper

83 100

85 55.4 44.1 81.9





#27

1,2-Dichloroethane

Concen: 0.063 ug/L

RT: 5.137 min Scan# 11

Delta R.T. 0.013 min

Lab File: VV028635.D

Acq: 20 Oct 2022 15:18

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ClientSampleId :

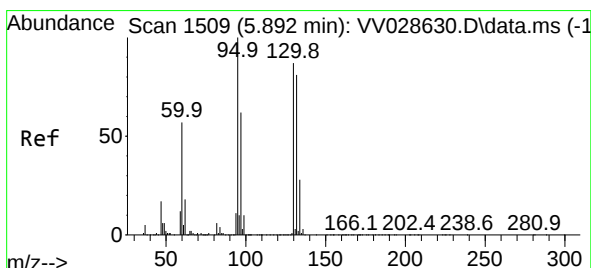
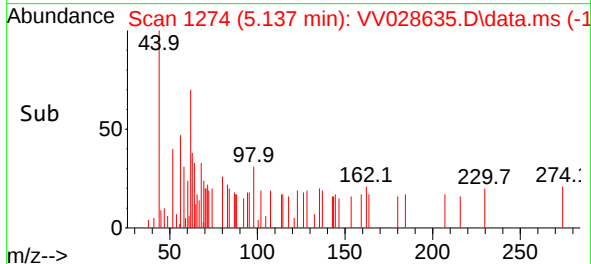
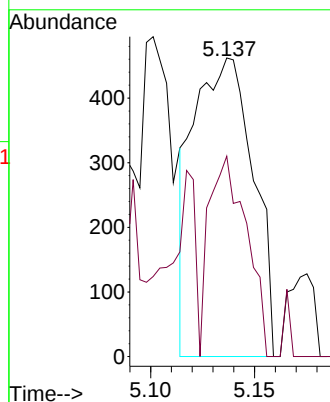
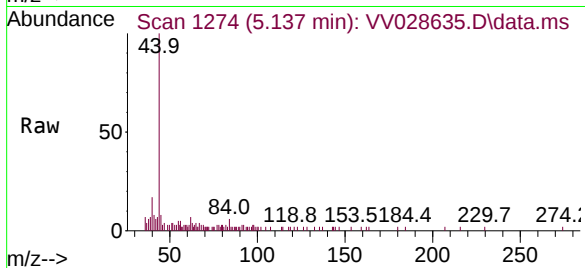
BFXS8DL

Tgt Ion: 62 Resp: 926

Ion Ratio Lower Upper

62 100

98 67.1 6.6 9.8#



#34

Trichloroethene

Concen: 4.428 ug/L

RT: 5.911 min Scan# 1515

Delta R.T. 0.019 min

Lab File: VV028635.D

Acq: 20 Oct 2022 15:18

Tgt Ion: 95 Resp: 68056

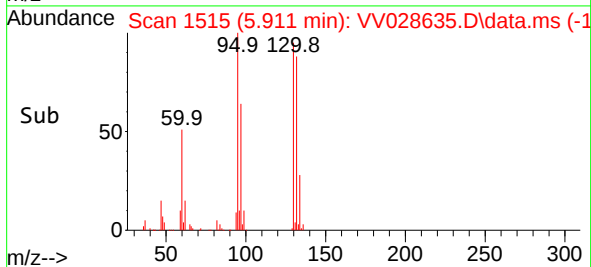
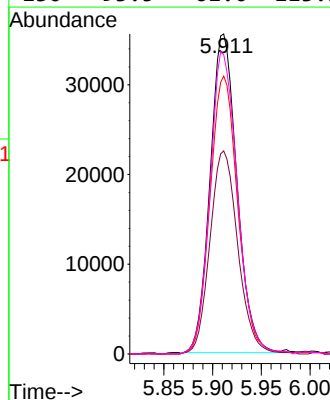
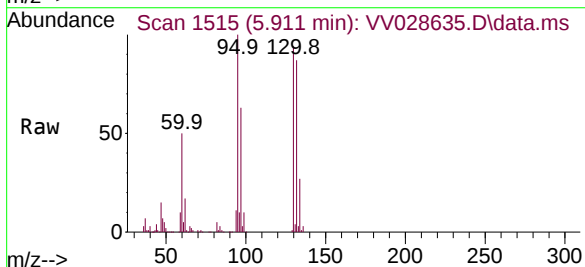
Ion Ratio Lower Upper

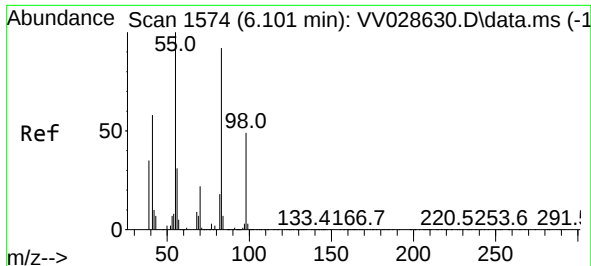
95 100

97 63.5 43.5 80.9

132 86.9 56.5 104.9

130 93.5 61.0 113.2

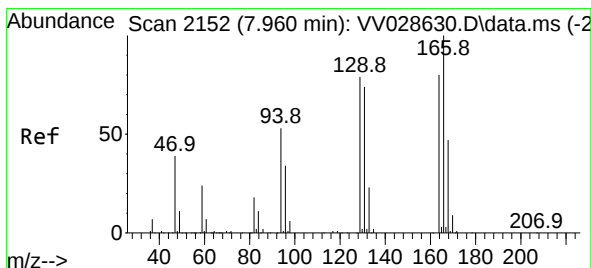
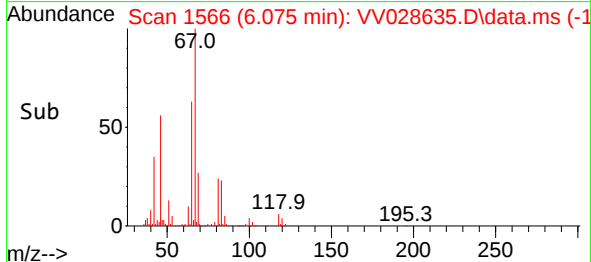
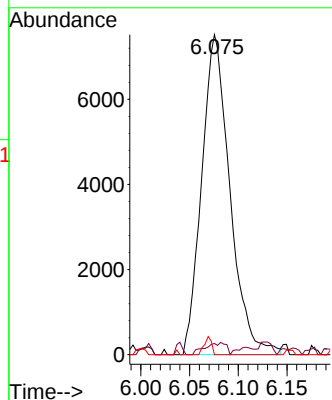
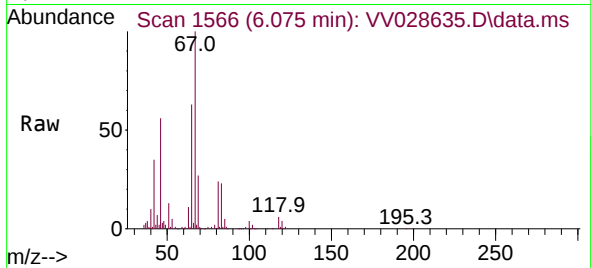




#35
Methylcyclohexane
Concen: 0.629 ug/L
RT: 6.075 min Scan# 11
Delta R.T. -0.026 min
Lab File: VV028635.D
Acq: 20 Oct 2022 15:18

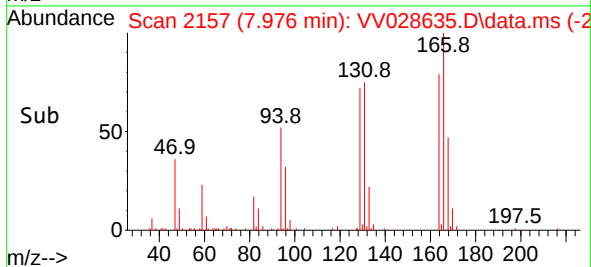
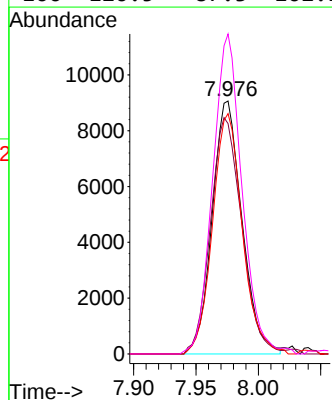
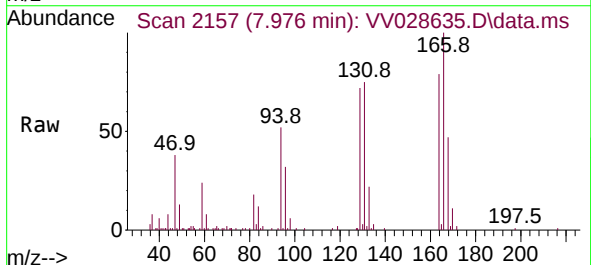
Instrument :
MSVOA_V
ClientSampleId :
BFXS8DL

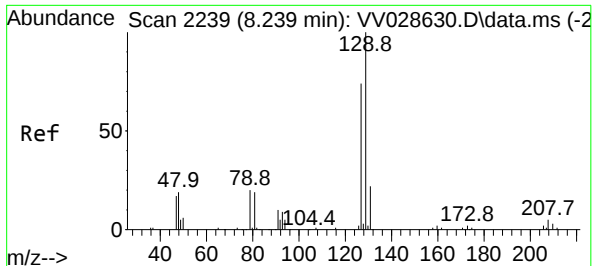
Tgt Ion: 83 Resp: 15176
Ion Ratio Lower Upper
83 100
55 1.8 70.0 105.0#
98 0.0 35.6 53.4#



#47
Tetrachloroethene
Concen: 1.821 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.016 min
Lab File: VV028635.D
Acq: 20 Oct 2022 15:18

Tgt Ion: 164 Resp: 15110
Ion Ratio Lower Upper
164 100
129 91.1 69.2 128.6
131 95.0 64.2 119.2
166 126.5 87.3 162.1





#49

Dibromochloromethane

Concen: 1.811 ug/L

RT: 7.972 min Scan# 2156

Delta R.T. -0.267 min

Lab File: VV028635.D

Acq: 20 Oct 2022 15:18

Instrument :

MSVOA_V

ClientSampleId :

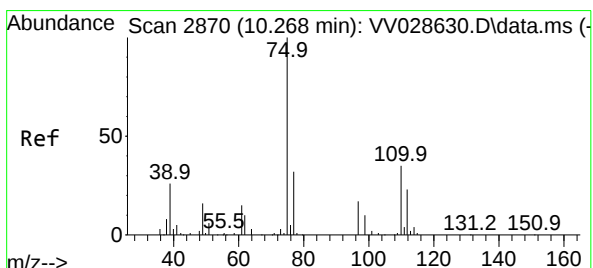
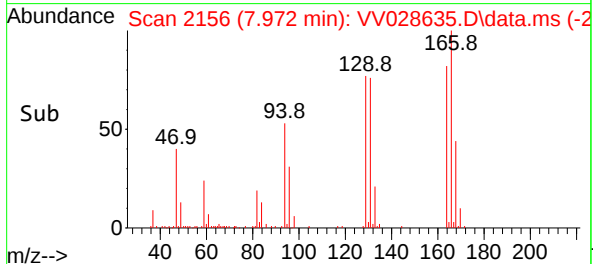
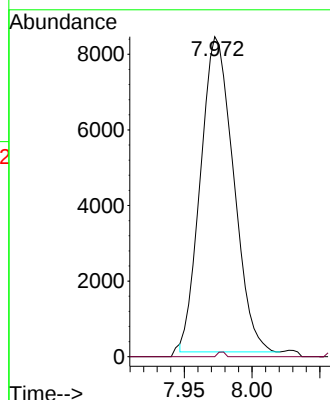
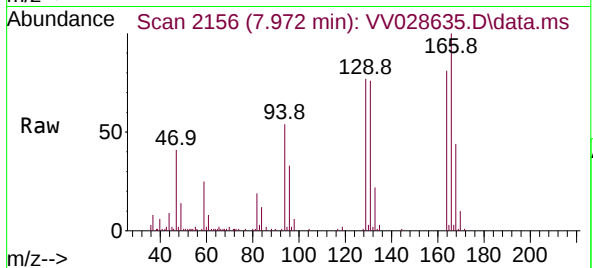
BFXS8DL

Tgt Ion:129 Resp: 14100

Ion Ratio Lower Upper

129 100

127 0.0 51.6 95.8#



#61

1,2,3-Trichloropropane

Concen: 1.323 ug/L

RT: 11.242 min Scan# 3173

Delta R.T. 0.974 min

Lab File: VV028635.D

Acq: 20 Oct 2022 15:18

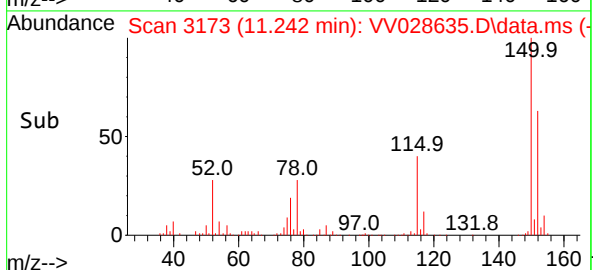
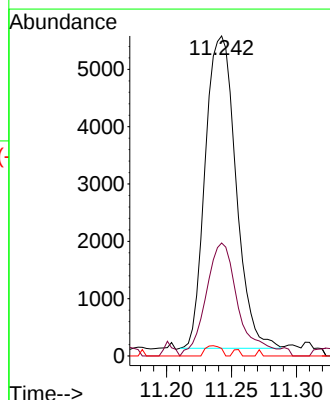
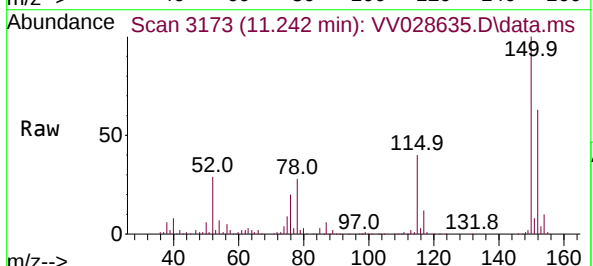
Tgt Ion: 75 Resp: 8931

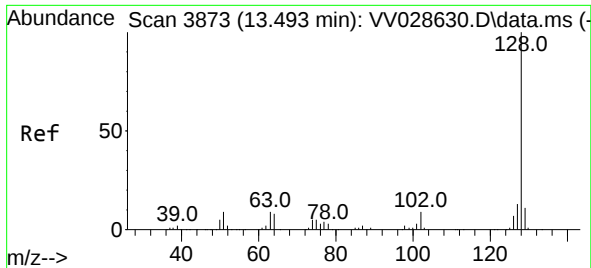
Ion Ratio Lower Upper

75 100

77 38.5 25.2 37.8#

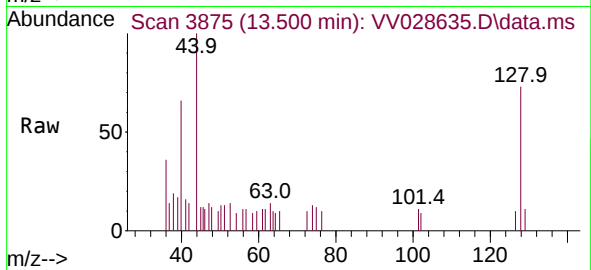
110 1.7 27.9 41.9#





#71
Naphthalene
Concen: 0.070 ug/L
RT: 13.500 min Scan# 3875
Delta R.T. 0.006 min
Lab File: VV028635.D
Acq: 20 Oct 2022 15:18

Instrument :
MSVOA_V
ClientSampleId :
BFXS8DL



Tgt Ion:128 Resp: 1372
Ion Ratio Lower Upper
128 100
129 13.3 8.9 13.3#
127 0.0 10.2 15.4#

