

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101822\
 Data File : VW028618.D
 Acq On : 18 Oct 2022 17:09
 Operator : SY/MD
 Sample : N5173-05
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 19 00:40:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR101422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 19 00:35:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.584	114	257715	5.000	ug/L	-0.03
28) Chlorobenzene-d5	8.857	117	152589	5.000	ug/L	0.01
58) 1,4-Dichlorobenzene-d4	11.246	152	71228	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.294	65	59736	2.693	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	53.800%
7) Chloroethane-d5	1.558	69	57003	3.126	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	62.600%#
11) 1,1-Dichloroethene-d2	2.098	63	116988	2.912	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.200%#
20) 2-Butanone-d5	3.950	46	225179	47.226	ug/L	0.06
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.460%
24) Chloroform-d	4.355	84	127986	3.768	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.400%
26) 1,2-Dichloroethane-d4	5.040	65	84948	4.799	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.000%
32) Benzene-d6	5.047	84	267429	5.428	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.600%
36) 1,2-Dichloropropane-d6	6.050	67	88062	5.539	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.800%
41) Toluene-d8	7.330	98	154815	3.966	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.400%
43) trans-1,3-Dichloroprop...	7.638	79	19370	3.606	ug/L	0.02
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.200%
46) 2-Hexanone-d5	8.120	63	102234	44.098	ug/L	0.04
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.200%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	44260	4.674	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.400%
66) 1,2-Dichlorobenzene-d4	11.619	152	51679	4.397	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.124	85	24094	1.655	ug/L	99
3) Chloromethane	1.230	50	3386	0.139	ug/L	91
6) Bromomethane	1.513	94	1402	0.131	ug/L	87
9) Trichlorofluoromethane	1.741	101	494854	17.062	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.105	101	13774	0.806	ug/L	97
12) 1,1-Dichloroethene	2.105	96	51098	3.189	ug/L	94
18) trans-1,2-Dichloroethene	2.744	96	2001	0.120	ug/L	94
19) 1,1-Dichloroethane	3.175	63	18881	0.502	ug/L	99
22) cis-1,2-Dichloroethene	3.902	96	173223	9.168	ug/L #	99
25) Chloroform	4.381	83	13024	0.365	ug/L	96
27) 1,2-Dichloroethane	5.133	62	2155	0.102	ug/L #	37
29) 1,1,1-Trichloroethane	4.613	97	13524	0.641	ug/L	92
30) Cyclohexane	4.687	56	1313	0.054	ug/L #	35
31) Carbon tetrachloride	4.825	117	5511	0.332	ug/L	96
33) Benzene	5.095	78	2877	0.053	ug/L	100
34) Trichloroethene	5.873	95	1314409	102.071	ug/L	95
35) Methylcyclohexane	6.050	83	18844	0.879	ug/L #	19
39) cis-1,3-Dichloropropene	7.005	75	1745	0.095	ug/L #	53
45) 1,1,2-Trichloroethane	7.854	97	911	0.119	ug/L	85

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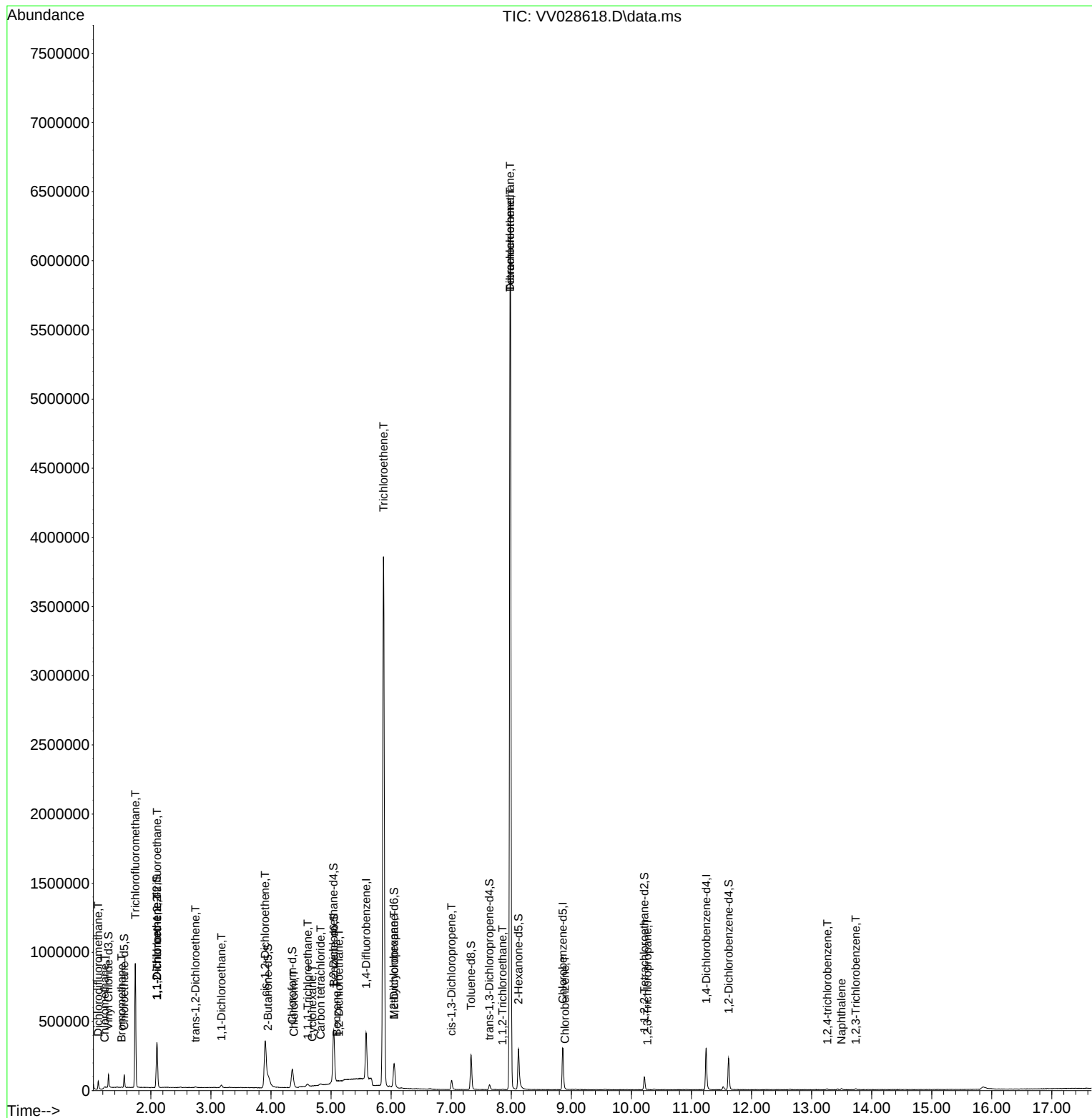
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Tetrachloroethene	7.982	164	1245400	148.585	ug/L	100
49) Dibromochloromethane	7.982	129	1236925	152.036	ug/L #	11
51) Chlorobenzene	8.895	112	1545	0.049	ug/L #	82
61) 1,2,3-Trichloropropane	10.268	75	493	0.077	ug/L #	72
70) 1,2,4-trichlorobenzene	13.262	180	1584	0.130	ug/L	88
71) Naphthalene	13.496	128	6334	0.346	ug/L	98
72) 1,2,3-Trichlorobenzene	13.734	180	1558	0.155	ug/L	90

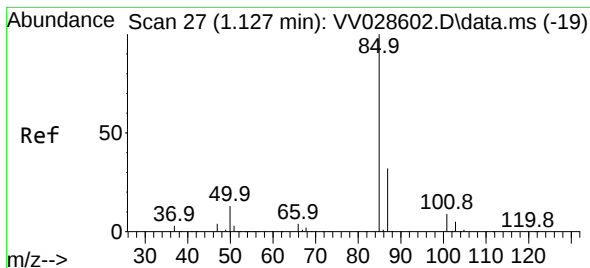
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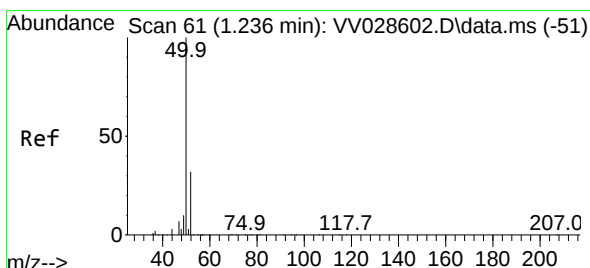
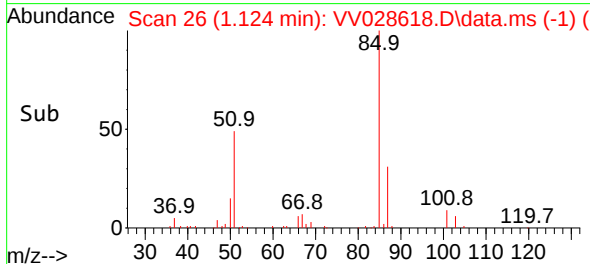
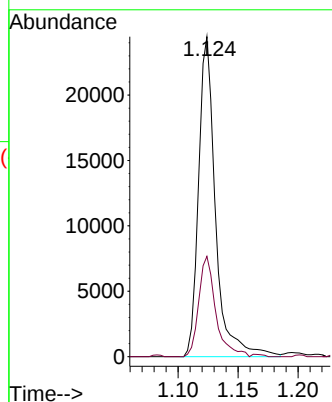
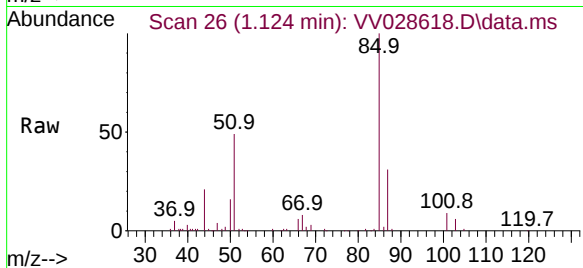




#2
 Dichlorodifluoromethane
 Concen: 1.655 ug/L
 RT: 1.124 min Scan# 20
 Delta R.T. -0.003 min
 Lab File: VV028618.D
 Acq: 18 Oct 2022 17:09

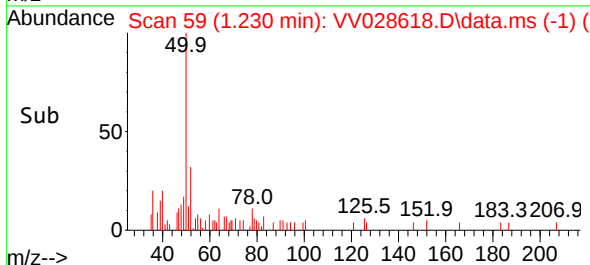
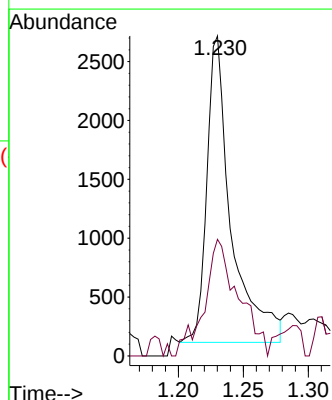
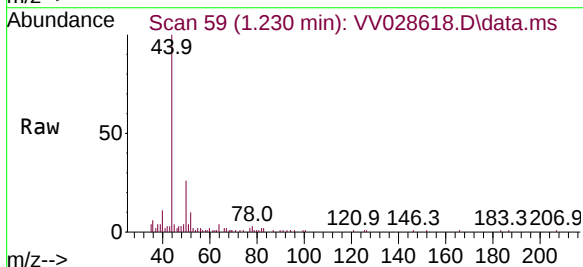
Instrument :
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 ClientSampleId :

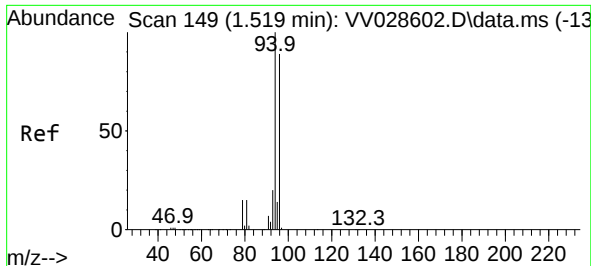
Tgt Ion: 85 Resp: 24094
 Ion Ratio Lower Upper
 85 100
 87 31.5 25.4 38.2



#3
 Chloromethane
 Concen: 0.139 ug/L
 RT: 1.230 min Scan# 59
 Delta R.T. -0.006 min
 Lab File: VV028618.D
 Acq: 18 Oct 2022 17:09

Tgt Ion: 50 Resp: 3386
 Ion Ratio Lower Upper
 50 100
 52 36.4 22.0 41.0

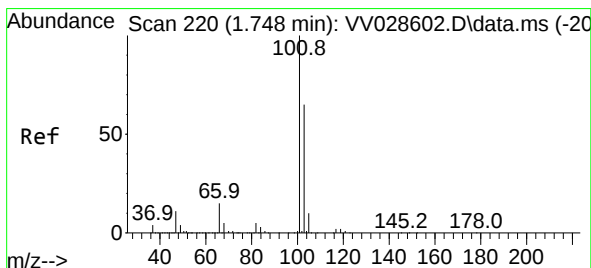
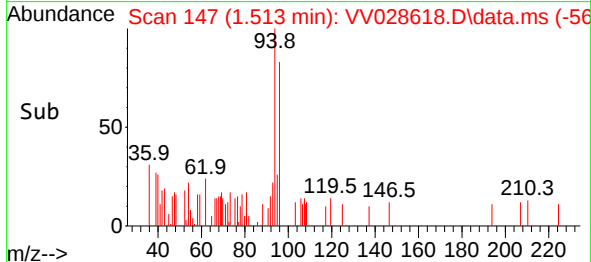
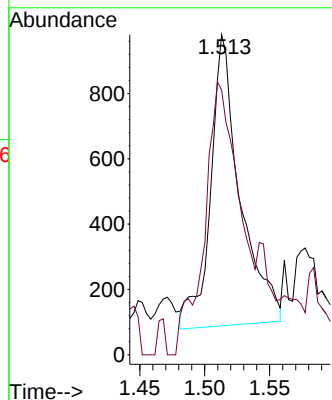
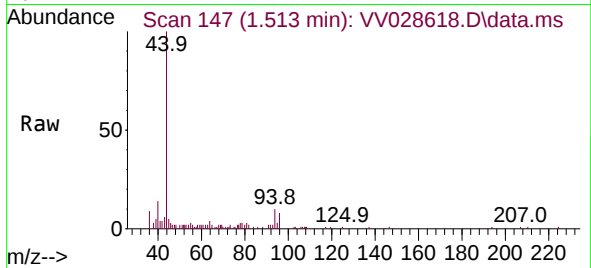




#6
Bromomethane
Concen: 0.131 ug/L
RT: 1.513 min Scan# 149
Delta R.T. -0.006 min
Lab File: VV028618.D
Acq: 18 Oct 2022 17:09

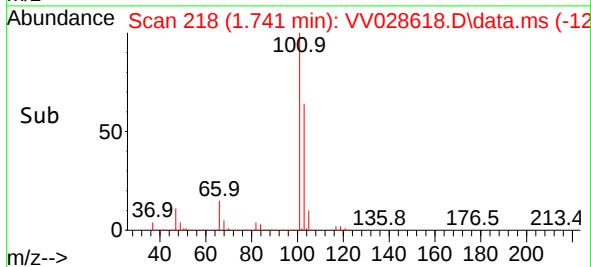
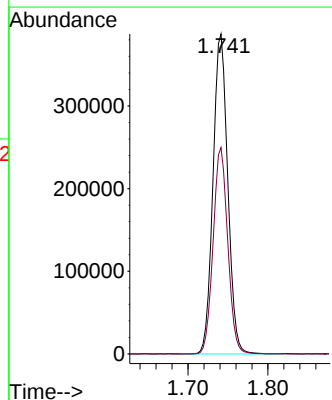
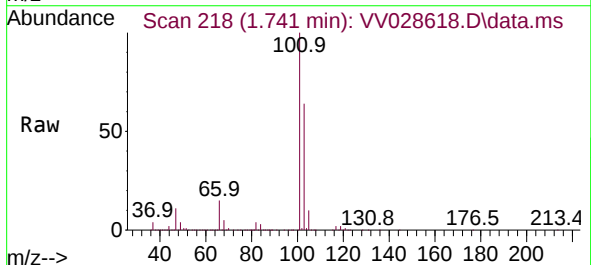
Instrument :
MSVOA_V
ClientSampleId :

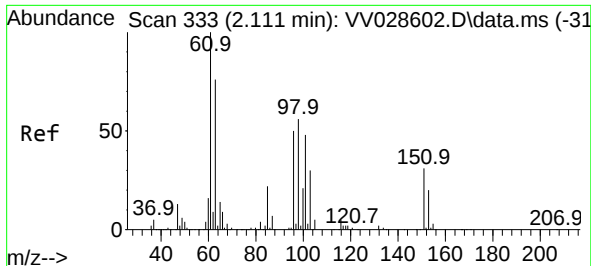
Tgt Ion: 94 Resp: 1402
Ion Ratio Lower Upper
94 100
96 82.7 67.0 124.4



#9
Trichlorofluoromethane
Concen: 17.062 ug/L
RT: 1.741 min Scan# 218
Delta R.T. -0.006 min
Lab File: VV028618.D
Acq: 18 Oct 2022 17:09

Tgt Ion:101 Resp: 494854
Ion Ratio Lower Upper
101 100
103 64.0 51.6 77.4





#10

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

Concen: 0.806 ug/L

RT: 2.105 min Scan# 331

Delta R.T. -0.006 min

Lab File: VV028618.D

Acq: 18 Oct 2022 17:09

Instrument :

MSVOA_V

ClientSampleId :

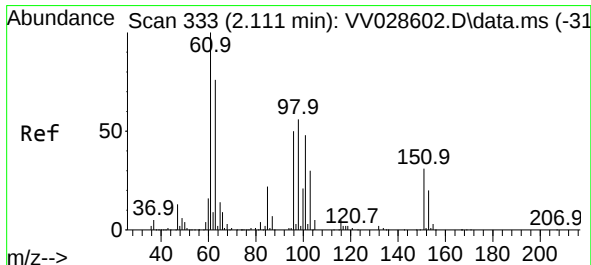
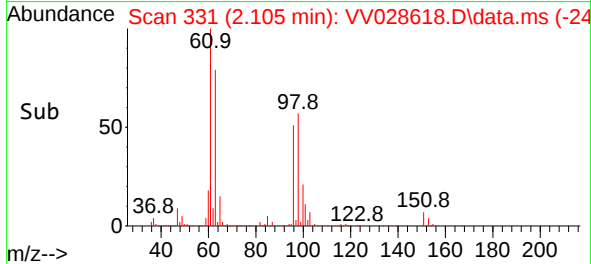
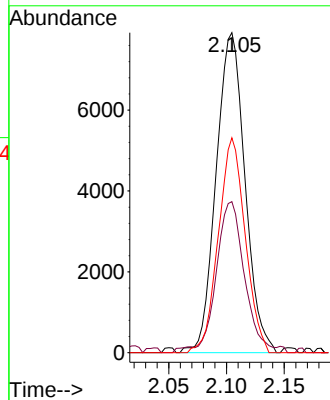
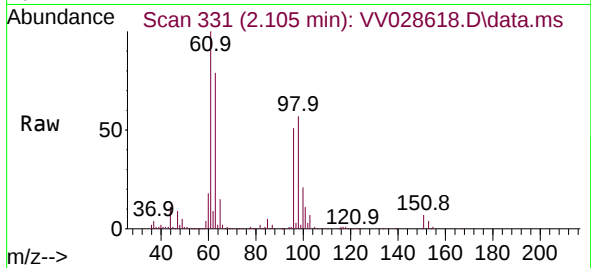
Tgt Ion:101 Resp: 13774

Ion Ratio Lower Upper

101 100

85 46.8 37.3 55.9

151 62.4 52.8 79.2



#12

1,1-Dichloroethene

Concen: 3.189 ug/L

RT: 2.105 min Scan# 331

Delta R.T. -0.006 min

Lab File: VV028618.D

Acq: 18 Oct 2022 17:09

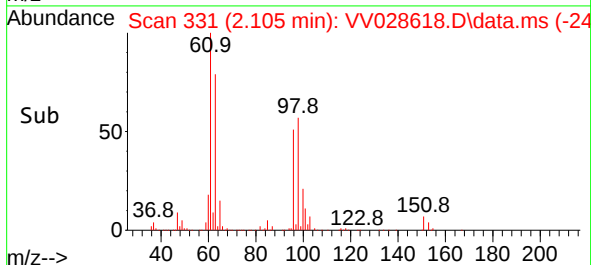
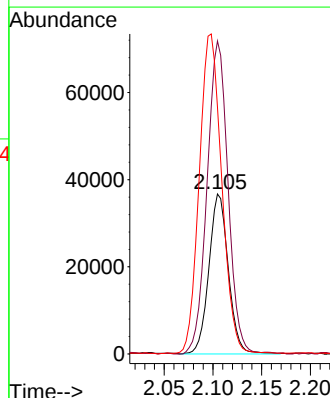
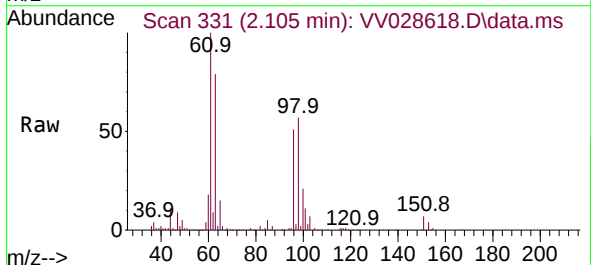
Tgt Ion: 96 Resp: 51098

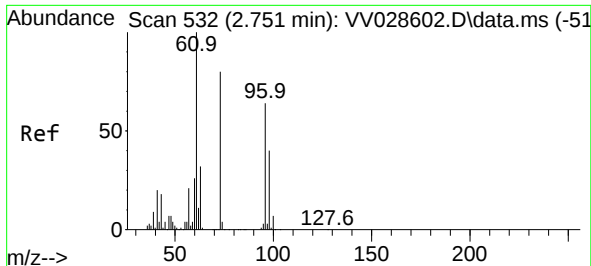
Ion Ratio Lower Upper

96 100

61 195.6 142.9 265.5

63 154.1 102.3 190.1

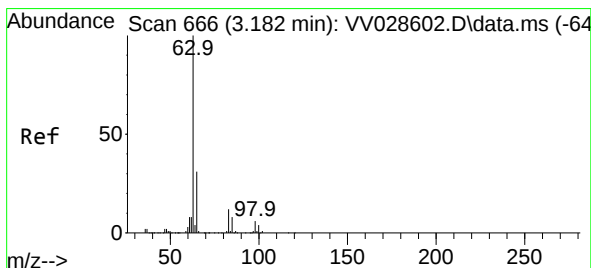
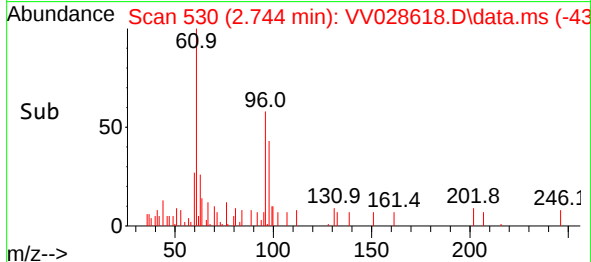
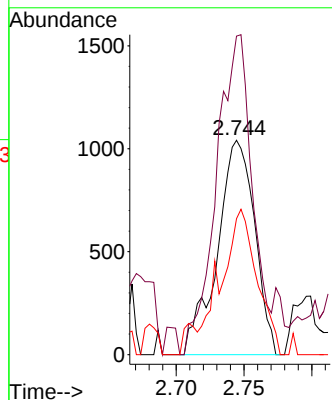
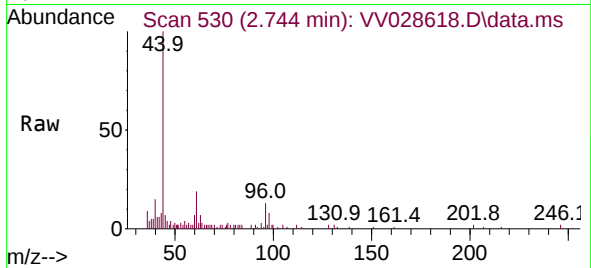




#18
trans-1,2-Dichloroethene
Concen: 0.120 ug/L
RT: 2.744 min Scan# 51
Delta R.T. -0.006 min
Lab File: VV028618.D
Acq: 18 Oct 2022 17:09

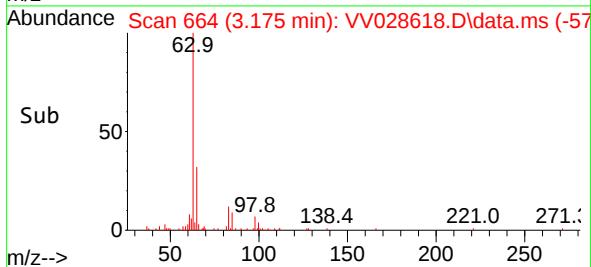
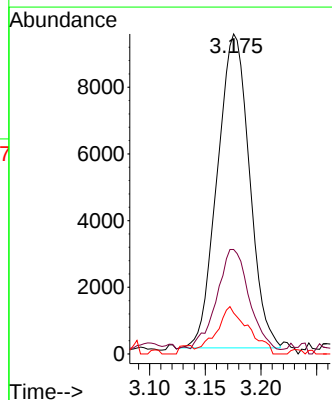
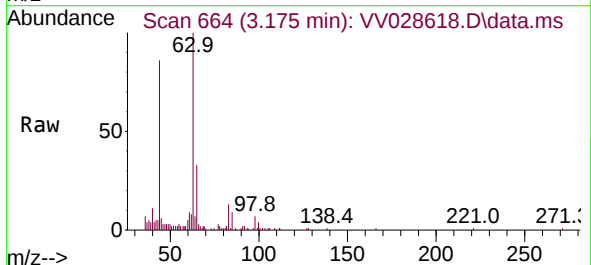
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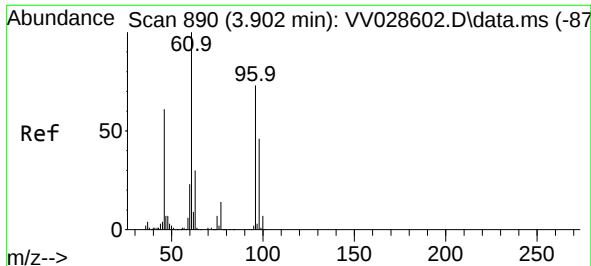
Tgt Ion: 96 Resp: 2001
Ion Ratio Lower Upper
96 100
61 148.6 111.2 206.6
98 63.4 42.9 79.7



#19
1,1-Dichloroethane
Concen: 0.502 ug/L
RT: 3.175 min Scan# 664
Delta R.T. -0.006 min
Lab File: VV028618.D
Acq: 18 Oct 2022 17:09

Tgt Ion: 63 Resp: 18881
Ion Ratio Lower Upper
63 100
65 32.6 22.3 41.5
83 12.8 8.5 15.7

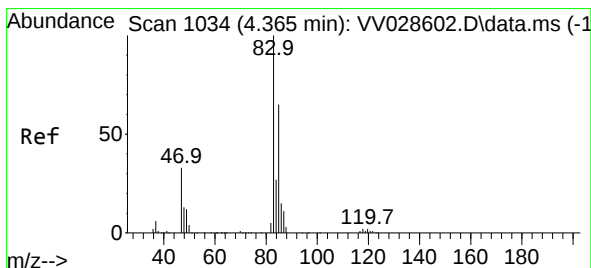
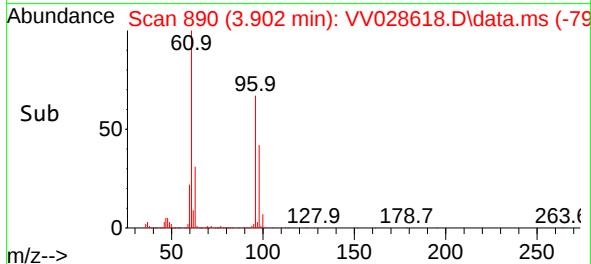
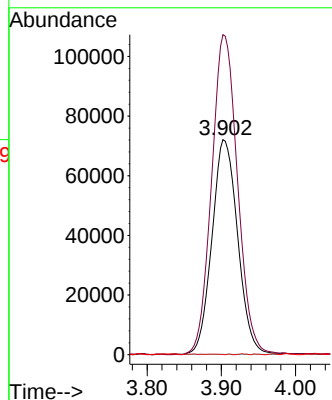
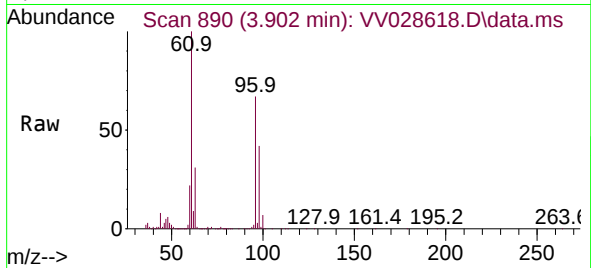




#22
 cis-1,2-Dichloroethene
 Concen: 9.168 ug/L
 RT: 3.902 min Scan# 890
 Delta R.T. 0.000 min
 Lab File: VV028618.D
 Acq: 18 Oct 2022 17:09

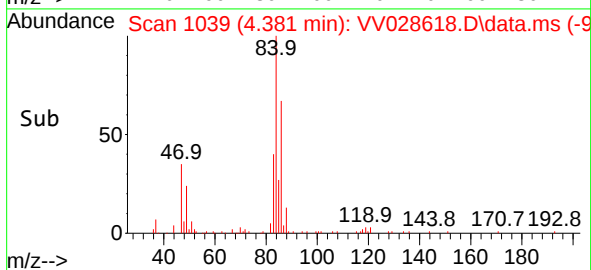
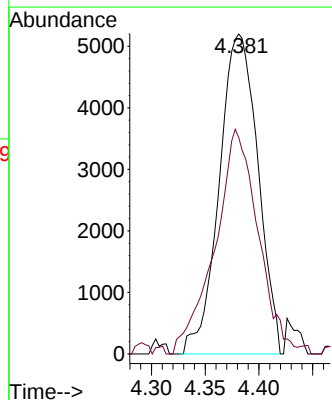
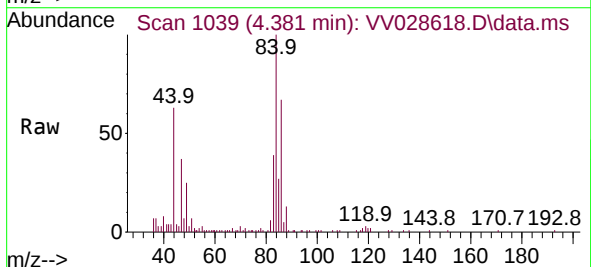
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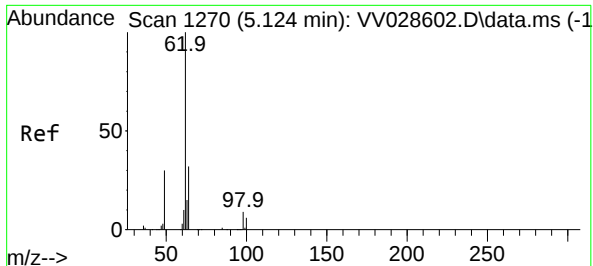
Tgt Ion: 96 Resp: 173223
 Ion Ratio Lower Upper
 96 100
 61 148.8 105.1 195.3
 68 0.2 0.5 0.9#



#25
 Chloroform
 Concen: 0.365 ug/L
 RT: 4.381 min Scan# 1039
 Delta R.T. 0.016 min
 Lab File: VV028618.D
 Acq: 18 Oct 2022 17:09

Tgt Ion: 83 Resp: 13024
 Ion Ratio Lower Upper
 83 100
 85 67.6 45.1 83.9





#27

1,2-Dichloroethane

Concen: 0.102 ug/L

RT: 5.133 min Scan# 1111

Delta R.T. 0.010 min

Lab File: VV028618.D

Acq: 18 Oct 2022 17:09

Instrument :

MSVOA_V

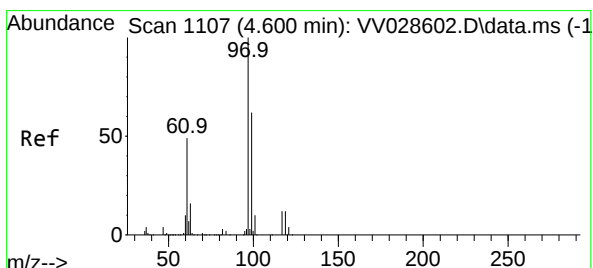
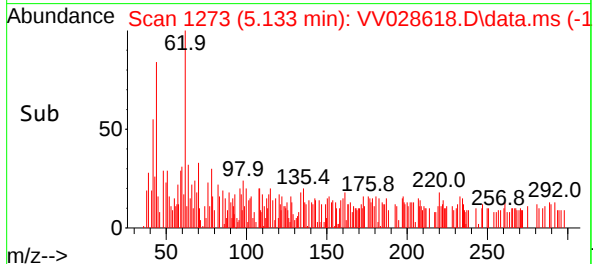
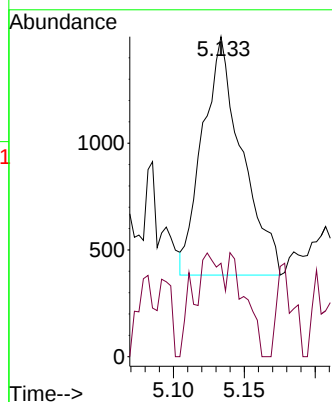
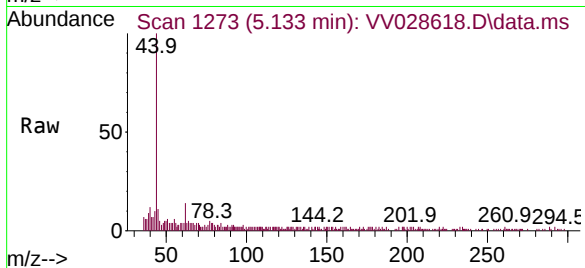
ClientSampleId :

Tgt Ion: 62 Resp: 2155

Ion Ratio Lower Upper

62 100

98 29.2 5.9 8.9#



#29

1,1,1-Trichloroethane

Concen: 0.641 ug/L

RT: 4.613 min Scan# 1111

Delta R.T. 0.013 min

Lab File: VV028618.D

Acq: 18 Oct 2022 17:09

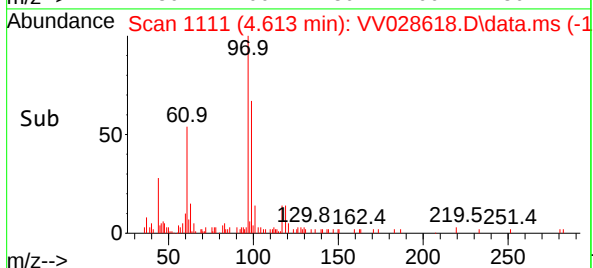
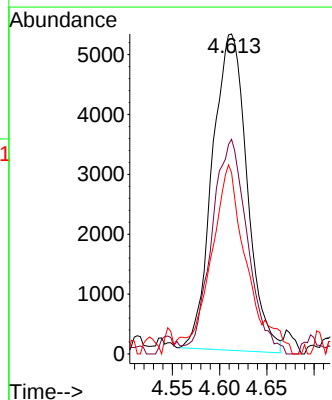
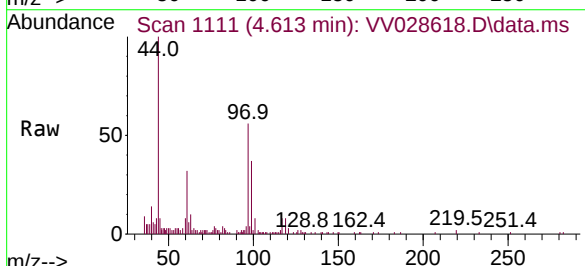
Tgt Ion: 97 Resp: 13524

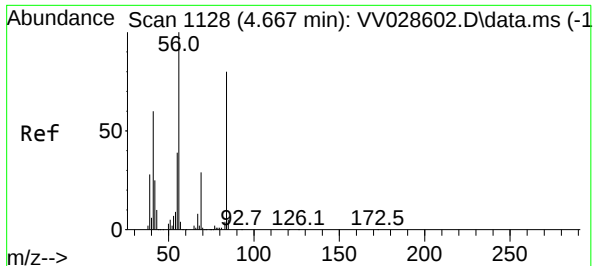
Ion Ratio Lower Upper

97 100

99 69.6 52.6 78.8

61 61.2 42.1 63.1

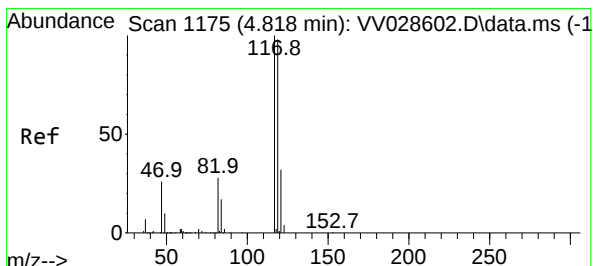
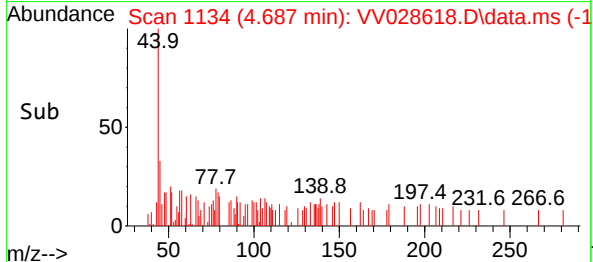
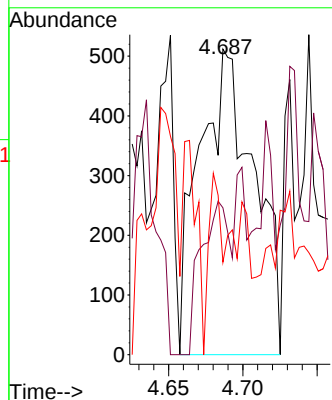
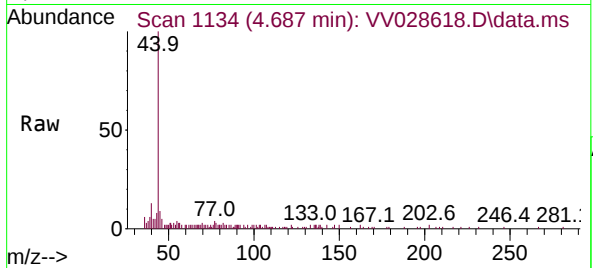




#30
Cyclohexane
Concen: 0.054 ug/L
RT: 4.687 min Scan# 1128
Delta R.T. 0.019 min
Lab File: VV028618.D
Acq: 18 Oct 2022 17:09

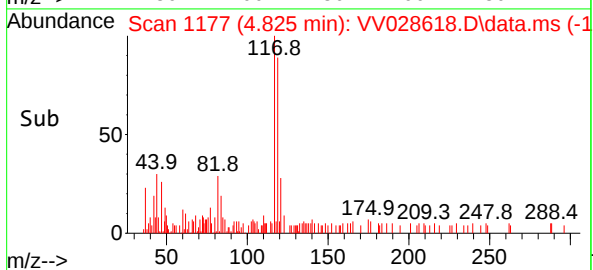
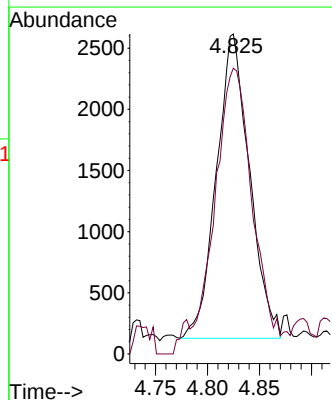
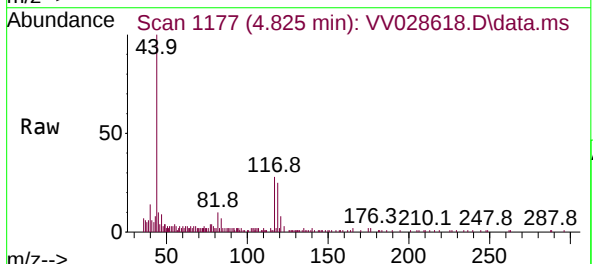
Instrument :
MSVOA_V
ClientSampleId :

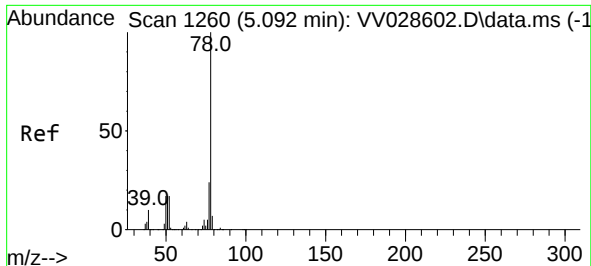
Tgt Ion: 56 Resp: 1313
Ion Ratio Lower Upper
56 100
69 26.5 22.4 33.6
84 0.0 60.1 90.1#



#31
Carbon tetrachloride
Concen: 0.332 ug/L
RT: 4.825 min Scan# 1177
Delta R.T. 0.007 min
Lab File: VV028618.D
Acq: 18 Oct 2022 17:09

Tgt Ion: 117 Resp: 5511
Ion Ratio Lower Upper
117 100
119 97.8 75.5 113.3

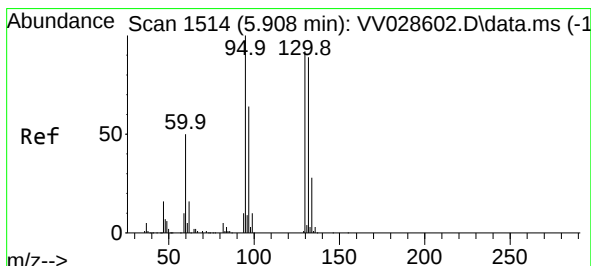
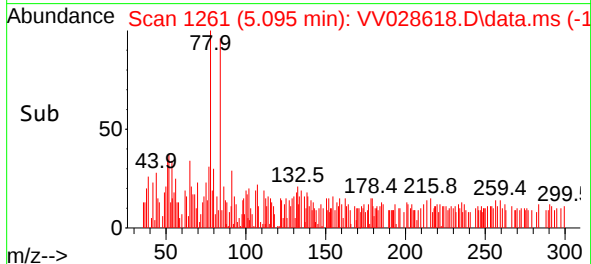
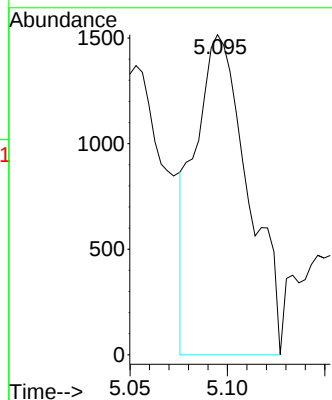
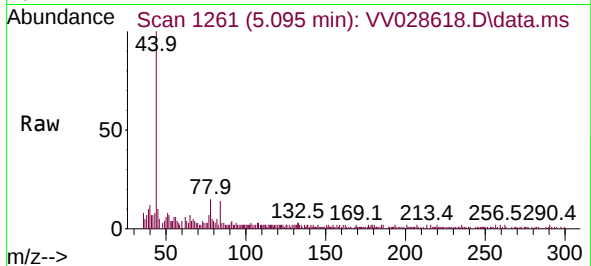




#33
Benzene
Concen: 0.053 ug/L
RT: 5.095 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV028618.D
Acq: 18 Oct 2022 17:09

Instrument :
MSVOA_V
ClientSampleId :

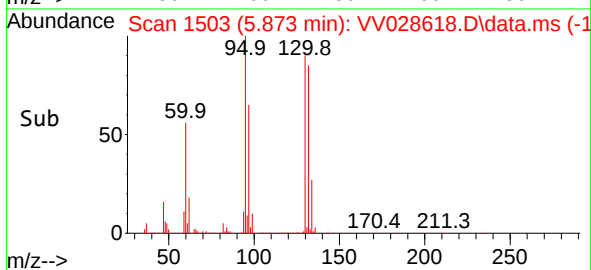
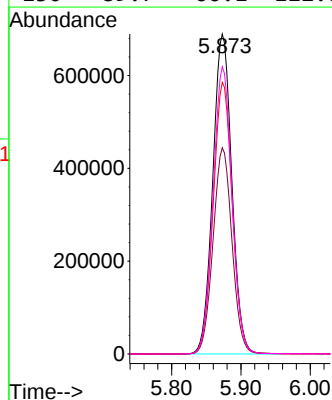
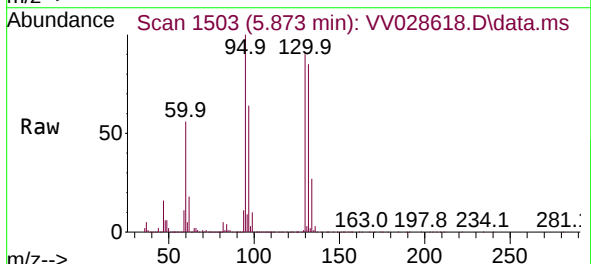
Tgt Ion: 78 Resp: 2877

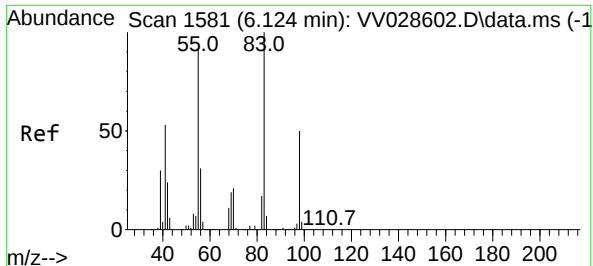


#34
Trichloroethene
Concen: 102.071 ug/L
RT: 5.873 min Scan# 1503
Delta R.T. -0.035 min
Lab File: VV028618.D
Acq: 18 Oct 2022 17:09

Tgt Ion: 95 Resp: 1314409

Ion	Ratio	Lower	Upper
95	100		
97	64.4	46.2	85.8
132	84.8	65.1	120.9
130	89.7	66.1	122.8





#35

Methylcyclohexane

Concen: 0.879 ug/L

RT: 6.050 min Scan# 1

Delta R.T. -0.074 min

Lab File: VV028618.D

Acq: 18 Oct 2022 17:09

Instrument :

MSVOA_V

ClientSampleId :

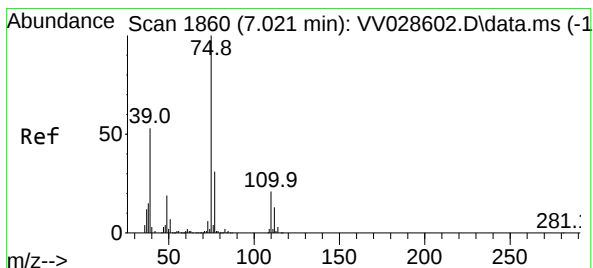
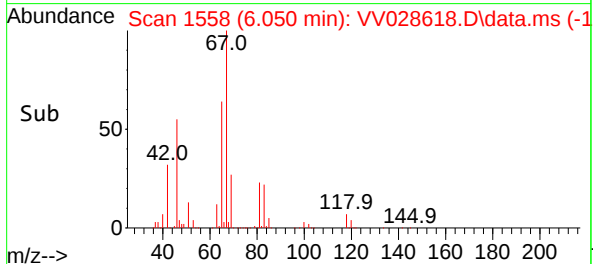
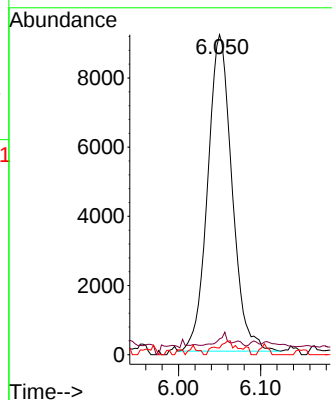
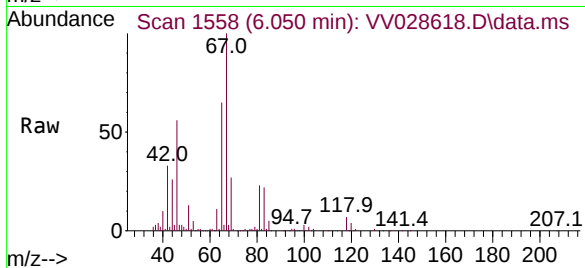
Tgt Ion: 83 Resp: 18844

Ion Ratio Lower Upper

83 100

55 2.8 65.0 97.6#

98 0.0 36.4 54.6#



#39

cis-1,3-Dichloropropene

Concen: 0.095 ug/L

RT: 7.005 min Scan# 1855

Delta R.T. -0.016 min

Lab File: VV028618.D

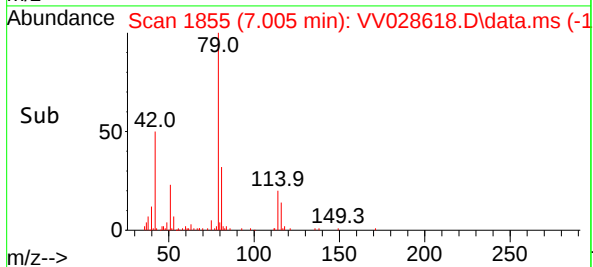
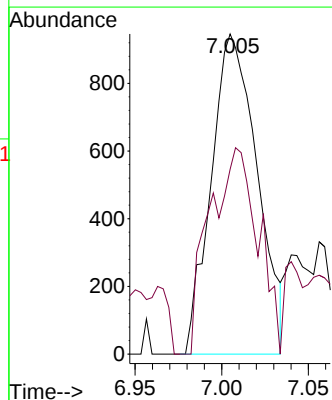
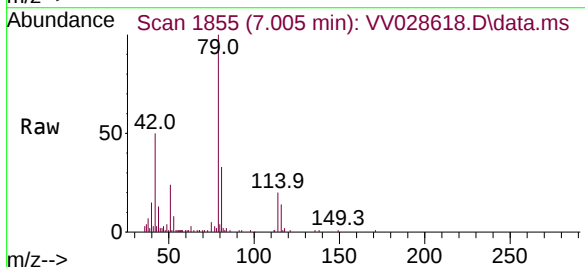
Acq: 18 Oct 2022 17:09

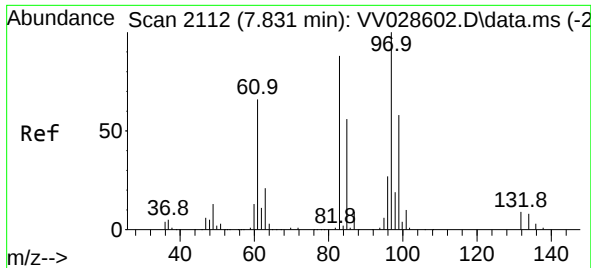
Tgt Ion: 75 Resp: 1745

Ion Ratio Lower Upper

75 100

77 57.7 22.1 41.1#

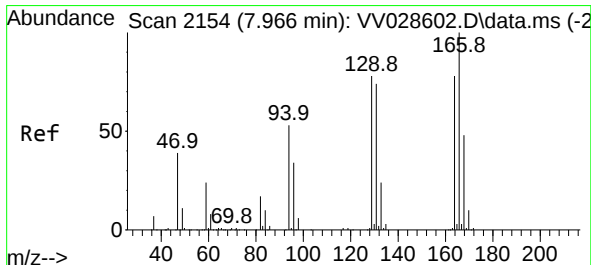
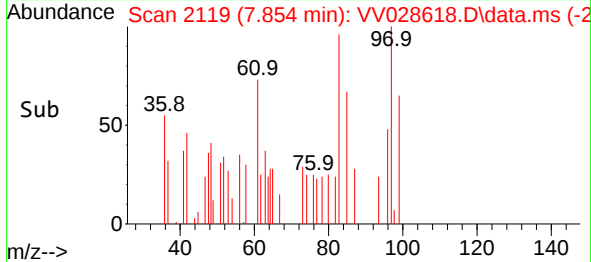
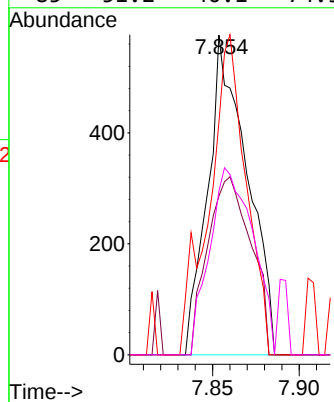
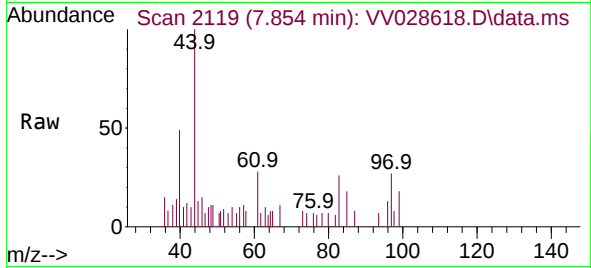




#45
1,1,2-Trichloroethane
Concen: 0.119 ug/L
RT: 7.854 min Scan# 2119
Delta R.T. 0.023 min
Lab File: VV028618.D
Acq: 18 Oct 2022 17:09

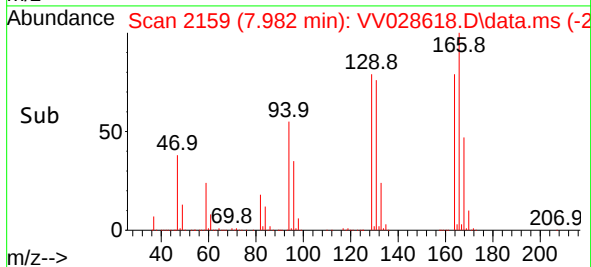
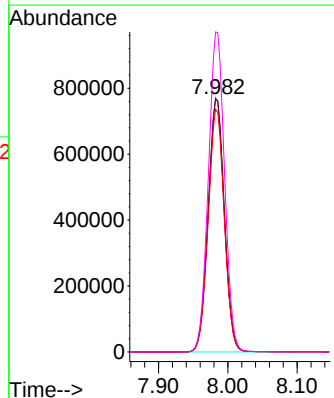
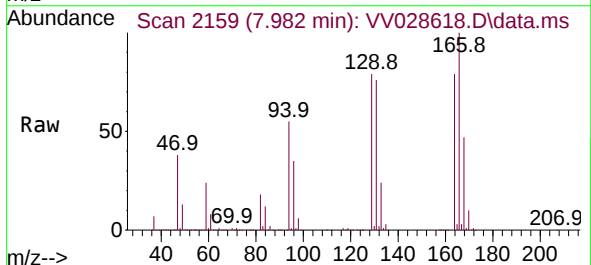
Instrument :
MSVOA_V
ClientSampleId :

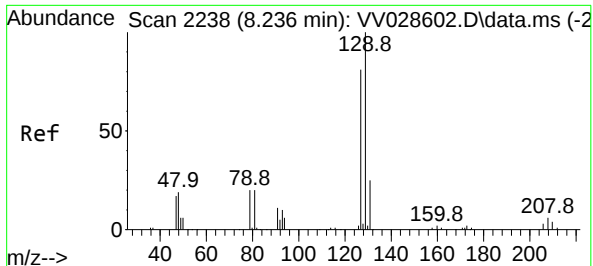
Tgt Ion: 97	Resp: 911
Ion Ratio	Lower Upper
97 100	
99 49.7	44.4 82.4
83 72.7	63.1 117.1
85 51.2	40.1 74.5



#47
Tetrachloroethene
Concen: 148.585 ug/L
RT: 7.982 min Scan# 2159
Delta R.T. 0.016 min
Lab File: VV028618.D
Acq: 18 Oct 2022 17:09

Tgt	Ion:164	Resp:	1245400
Ion	Ratio	Lower	Upper
164	100		
129	100.4	69.3	128.7
131	96.0	67.3	125.1
166	126.5	88.5	164.4

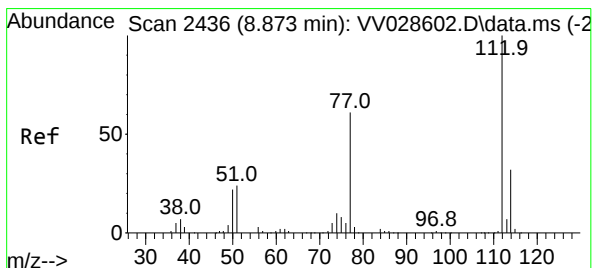
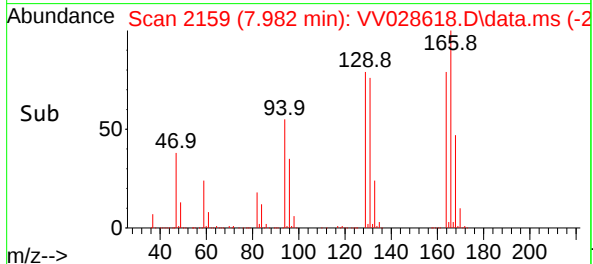
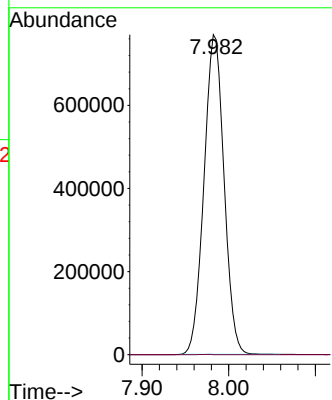
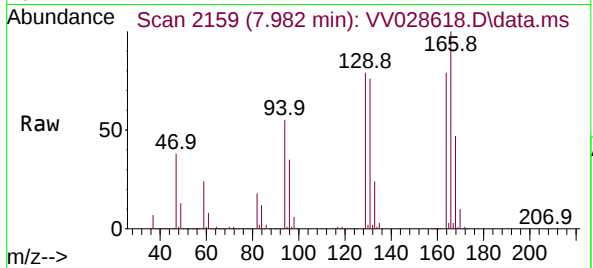




#49
Dibromochloromethane
Concen: 152.036 ug/L
RT: 7.982 min Scan# 2159
Delta R.T. -0.254 min
Lab File: VV028618.D
Acq: 18 Oct 2022 17:09

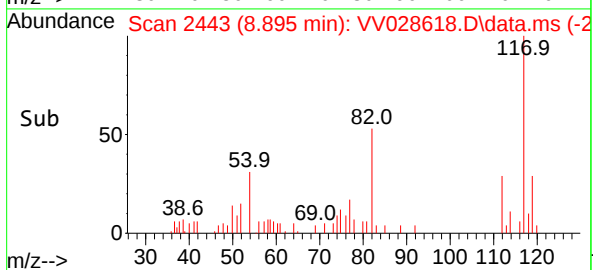
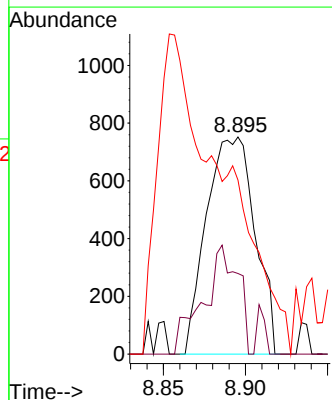
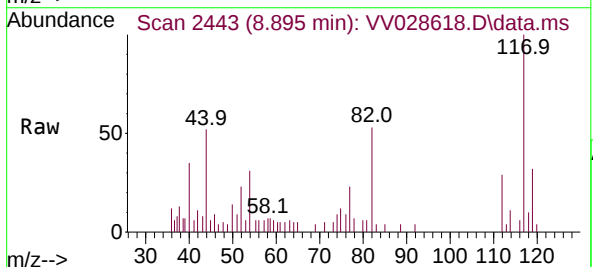
Instrument :
MSVOA_V
ClientSampleId :

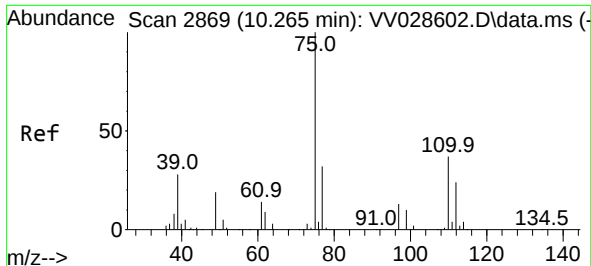
Tgt Ion:129 Resp: 1236925
Ion Ratio Lower Upper
129 100
127 0.0 53.8 100.0#



#51
Chlorobenzene
Concen: 0.049 ug/L
RT: 8.895 min Scan# 2443
Delta R.T. 0.023 min
Lab File: VV028618.D
Acq: 18 Oct 2022 17:09

Tgt Ion:112 Resp: 1545
Ion Ratio Lower Upper
112 100
114 37.1 22.4 41.6
77 80.2 50.2 75.2#

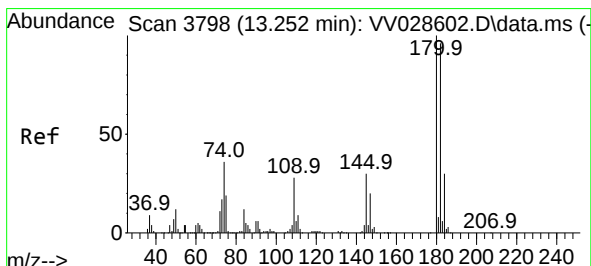
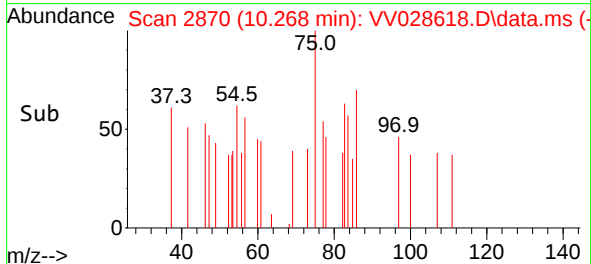
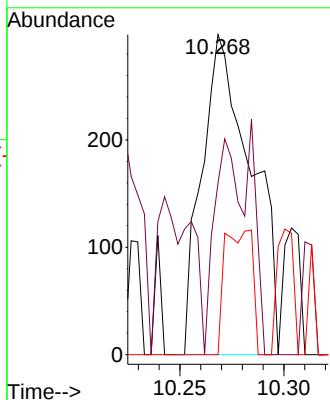
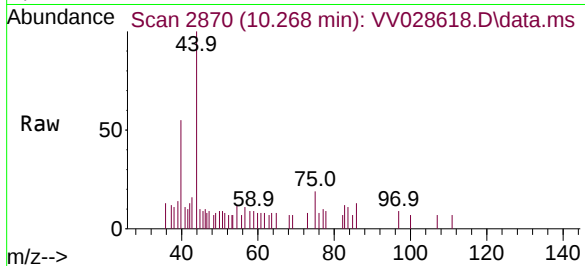




#61
 1,2,3-Trichloropropane
 Concen: 0.077 ug/L
 RT: 10.268 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV028618.D
 Acq: 18 Oct 2022 17:09

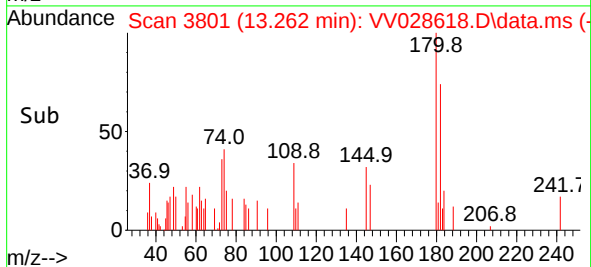
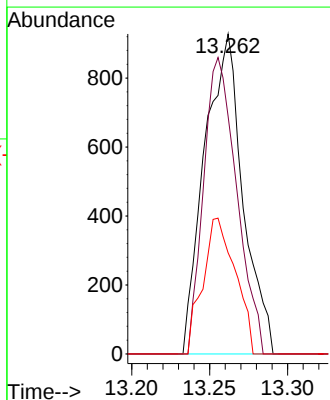
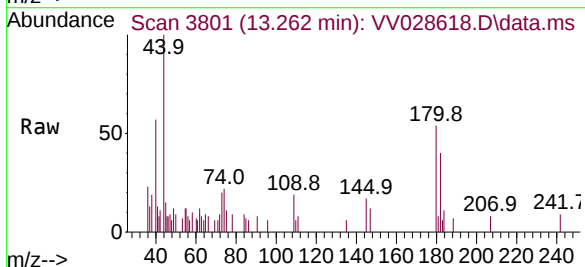
Instrument :
 MSVOA_V
 ClientSampleId :

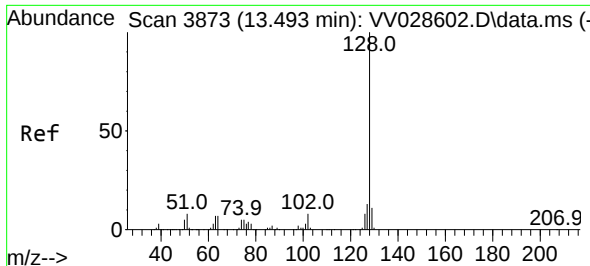
Tgt Ion: 75 Resp: 493
 Ion Ratio Lower Upper
 75 100
 77 48.9 24.6 37.0#
 110 21.9 28.3 42.5#



#70
 1,2,4-trichlorobenzene
 Concen: 0.130 ug/L
 RT: 13.262 min Scan# 3801
 Delta R.T. 0.010 min
 Lab File: VV028618.D
 Acq: 18 Oct 2022 17:09

Tgt Ion: 180 Resp: 1584
 Ion Ratio Lower Upper
 180 100
 182 80.0 74.2 111.2
 145 36.0 25.3 37.9

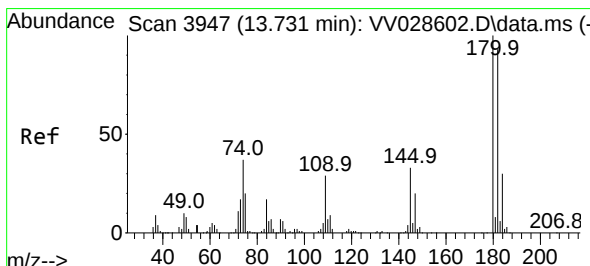
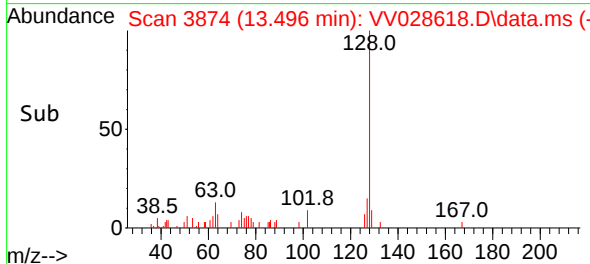
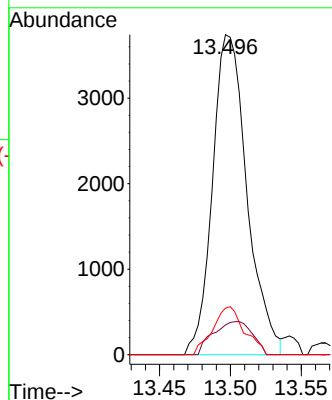
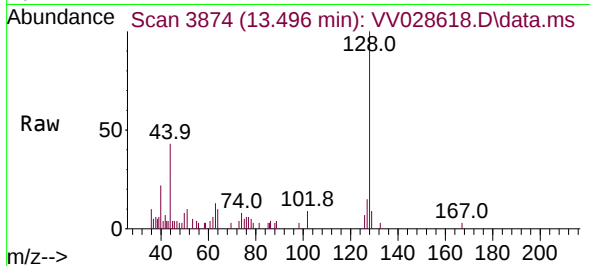




#71
Naphthalene
Concen: 0.346 ug/L
RT: 13.496 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV028618.D
Acq: 18 Oct 2022 17:09

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 6334
Ion Ratio Lower Upper
128 100
129 11.7 9.0 13.6
127 13.8 10.1 15.1



#72
1,2,3-Trichlorobenzene
Concen: 0.155 ug/L
RT: 13.734 min Scan# 3948
Delta R.T. 0.003 min
Lab File: VV028618.D
Acq: 18 Oct 2022 17:09

Tgt Ion:180 Resp: 1558
Ion Ratio Lower Upper
180 100
182 83.4 76.3 114.5
145 30.8 25.8 38.8

