

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102022\
 Data File : VW028638.D
 Acq On : 20 Oct 2022 16:32
 Operator : SY/MD
 Sample : N5173-05DL 20X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXTODL

Quant Time: Oct 21 01:11:58 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	5.603	114	217561	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.841	117	143217	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	62503	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.294	65	100333	4.658	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.200%
7) Chloroethane-d5	1.558	69	79283	4.683	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.600%
11) 1,1-Dichloroethene-d2	2.095	63	137478	3.673	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.400%
20) 2-Butanone-d5	3.944	46	194637	48.010	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.020%
24) Chloroform-d	4.333	84	149372	4.675	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.600%
26) 1,2-Dichloroethane-d4	5.024	65	80700	4.663	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.200%
32) Benzene-d6	5.031	84	319529	5.128	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.600%
36) 1,2-Dichloropropane-d6	6.056	67	107131	5.483	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.600%
41) Toluene-d8	7.297	98	190492	4.227	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.600%
43) trans-1,3-Dichloroprop...	7.613	79	17944	3.783	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.600%
46) 2-Hexanone-d5	8.104	63	84019	42.661	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.320%
56) 1,1,2,2-Tetrachloroeth...	10.211	84	42789	4.636	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.800%
66) 1,2-Dichlorobenzene-d4	11.616	152	54614	4.861	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.124	85	1487	0.141	ug/L	92
3) Chloromethane	1.230	50	1299	0.062	ug/L #	78
6) Bromomethane	1.510	94	615	0.062	ug/L	99
9) Trichlorofluoromethane	1.741	101	23422	0.938	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.102	101	1929	0.129	ug/L #	49
12) 1,1-Dichloroethene	2.102	96	3402	0.242	ug/L #	1
16) Methylene chloride	2.494	84	16249	0.803	ug/L	95
19) 1,1-Dichloroethane	3.182	63	1883	0.053	ug/L #	86
22) cis-1,2-Dichloroethene	3.896	96	8820	0.501	ug/L #	92
25) Chloroform	4.365	83	4175	0.123	ug/L	80
29) 1,1,1-Trichloroethane	4.587	97	1283	0.052	ug/L #	87
34) Trichloroethene	5.892	95	63653	4.105	ug/L	96
35) Methylcyclohexane	6.056	83	26405	1.085	ug/L #	15
37) 1,2-Dichloropropane	6.056	63	12174	0.677	ug/L #	94
47) Tetrachloroethene	7.960	164	51448	6.144	ug/L	99
49) Dibromochloromethane	7.960	129	40662	5.176	ug/L #	13
61) 1,2,3-Trichloropropane	11.239	75	9556	1.411	ug/L #	68

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BFXTODL

Quant Time: Oct 21 01:11:58 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

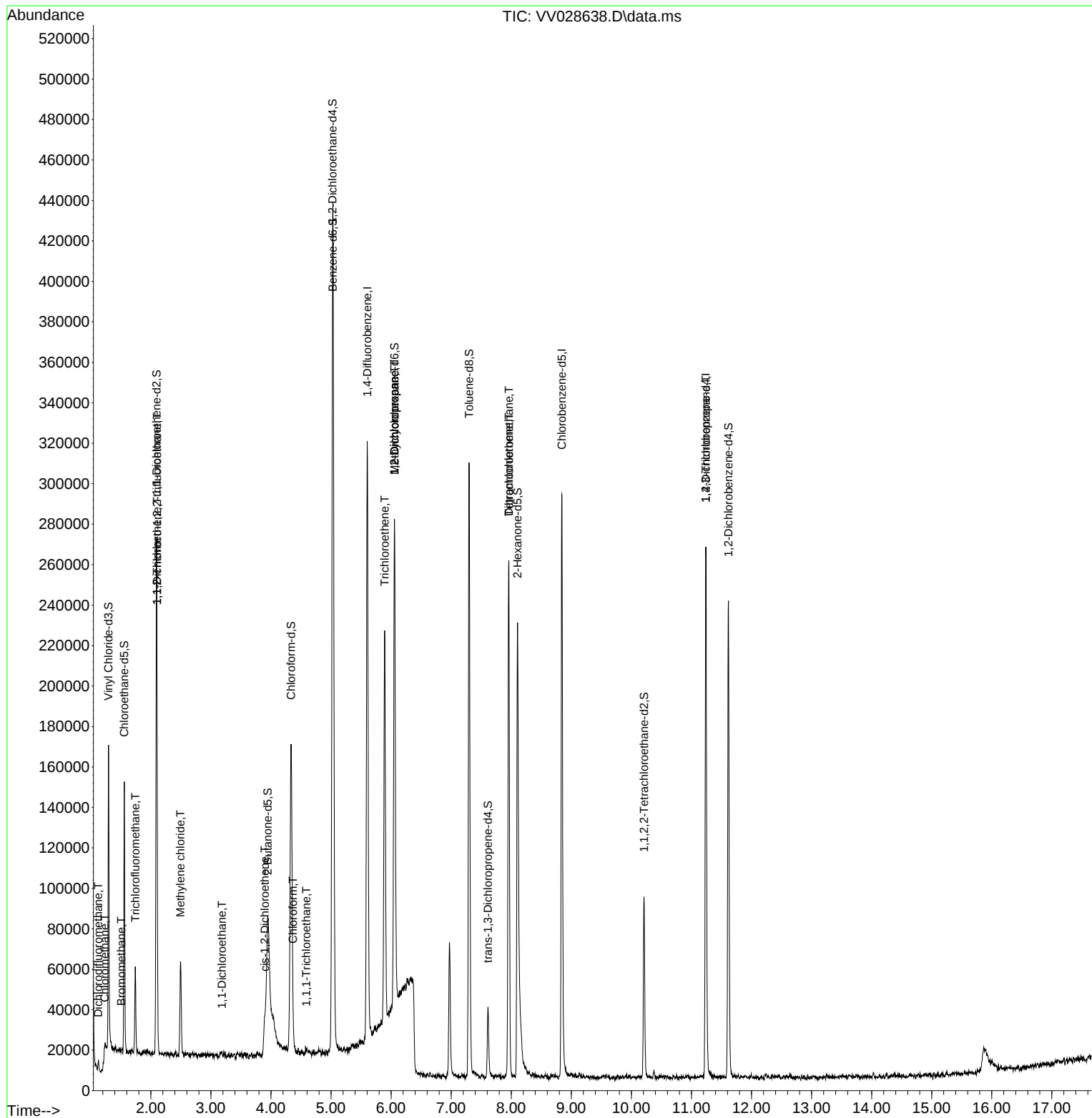
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

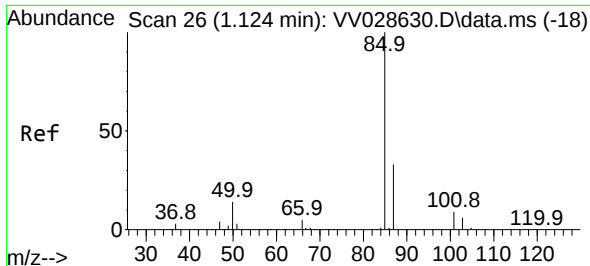
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Oct 21 00:53:32 2022
Response via : Initial Calibration

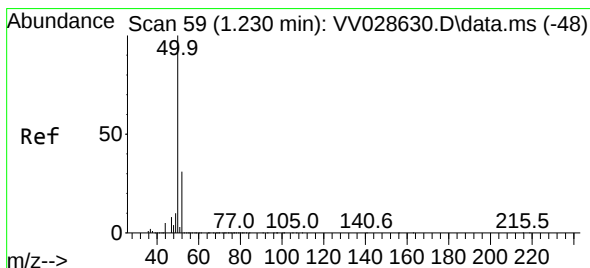
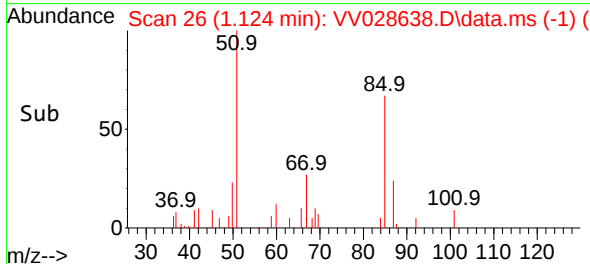
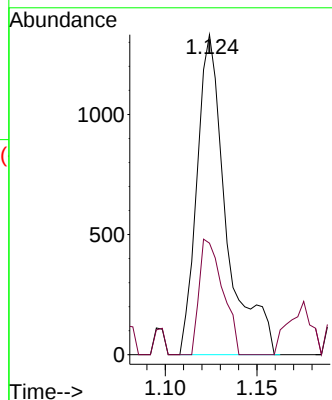
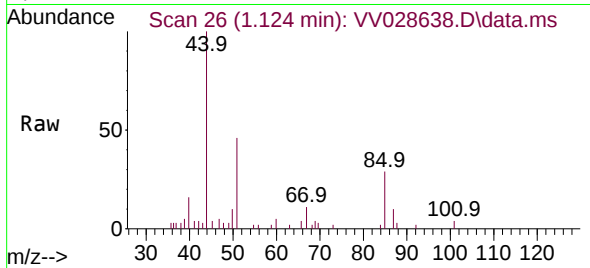




#2
 Dichlorodifluoromethane
 Concen: 0.141 ug/L
 RT: 1.124 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV028638.D
 Acq: 20 Oct 2022 16:32

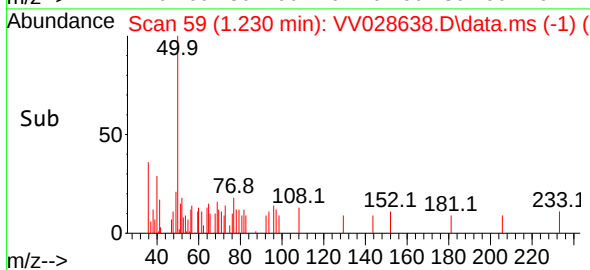
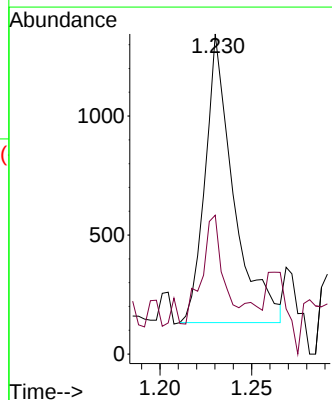
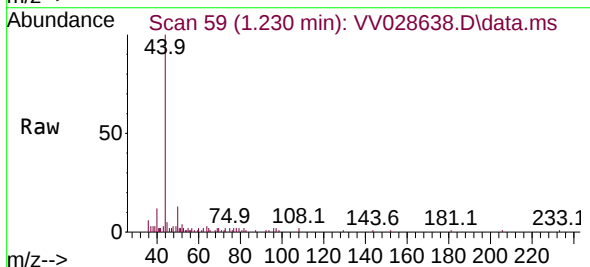
Instrument :
 MSVOA_V
 ClientSampleId :
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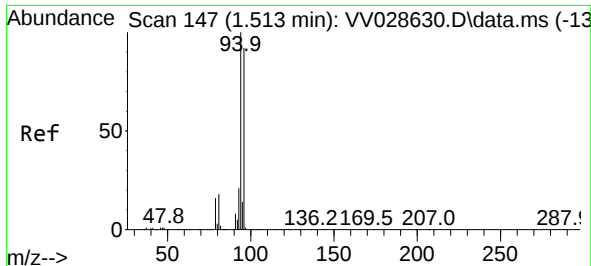
Tgt Ion: 85 Resp: 1487
 Ion Ratio Lower Upper
 85 100
 87 28.9 26.6 40.0



#3
 Chloromethane
 Concen: 0.062 ug/L
 RT: 1.230 min Scan# 59
 Delta R.T. 0.000 min
 Lab File: VV028638.D
 Acq: 20 Oct 2022 16:32

Tgt Ion: 50 Resp: 1299
 Ion Ratio Lower Upper
 50 100
 52 43.3 21.8 40.6#

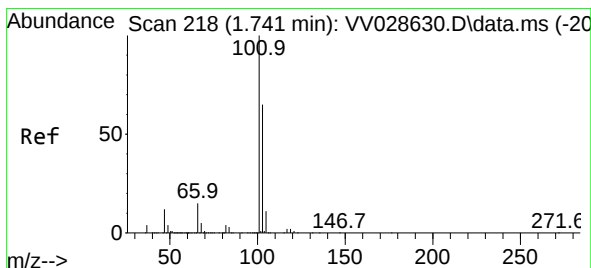
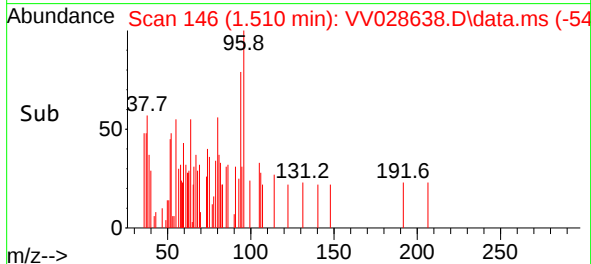
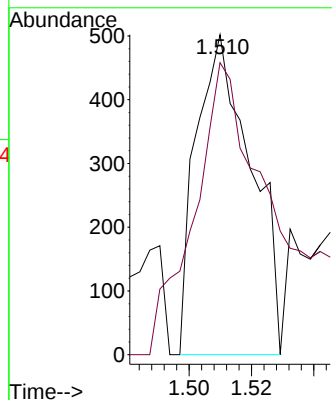
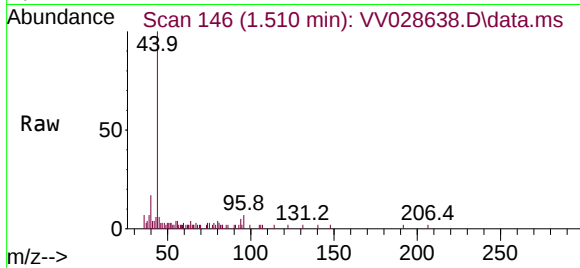




#6
Bromomethane
Concen: 0.062 ug/L
RT: 1.510 min Scan# 147
Delta R.T. -0.003 min
Lab File: VV028638.D
Acq: 20 Oct 2022 16:32

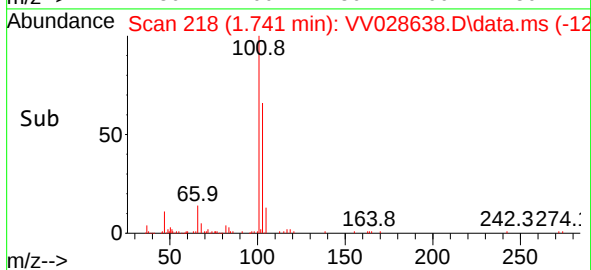
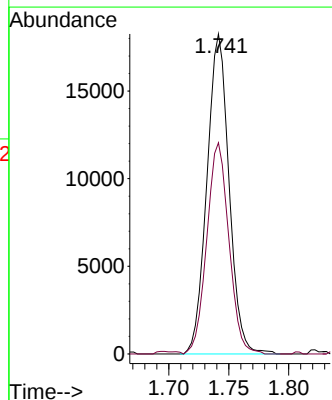
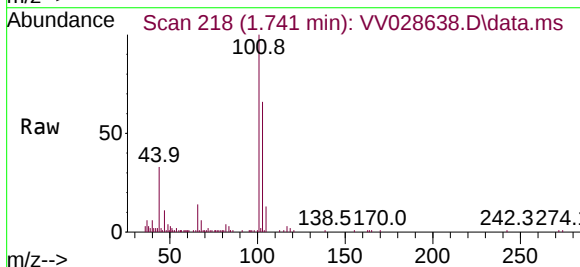
Instrument :
MSVOA_V
ClientSampleId :
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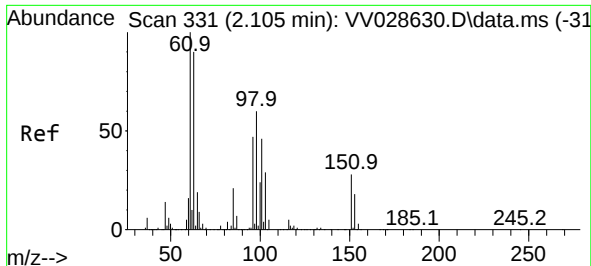
Tgt Ion: 94 Resp: 615
Ion Ratio Lower Upper
94 100
96 91.2 64.3 119.3



#9
Trichlorofluoromethane
Concen: 0.938 ug/L
RT: 1.741 min Scan# 218
Delta R.T. 0.000 min
Lab File: VV028638.D
Acq: 20 Oct 2022 16:32

Tgt Ion: 101 Resp: 23422
Ion Ratio Lower Upper
101 100
103 65.9 51.0 76.6

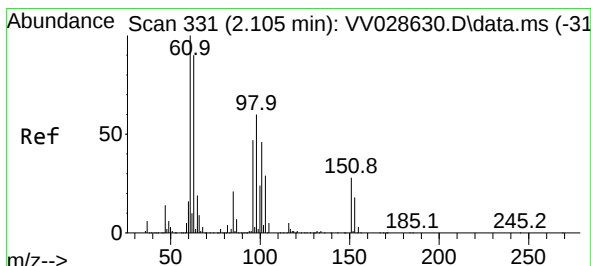
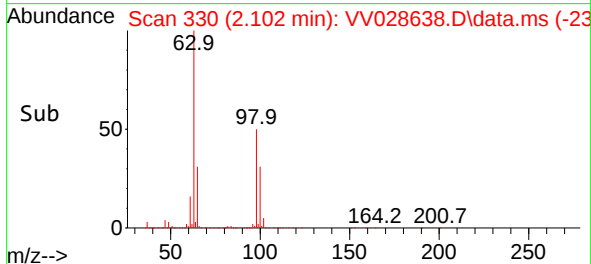
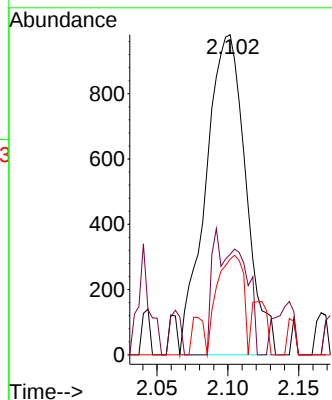
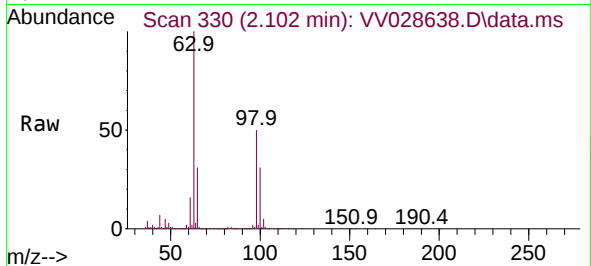




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.129 ug/L
RT: 2.102 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV028638.D
Acq: 20 Oct 2022 16:32

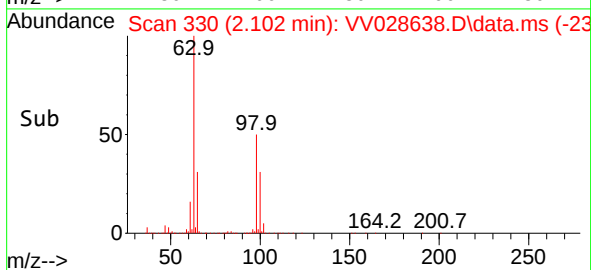
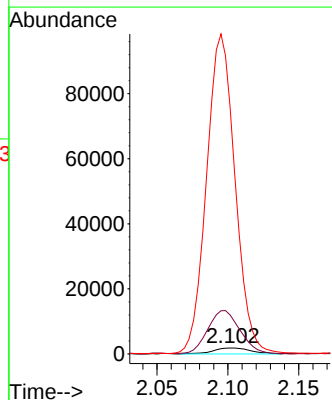
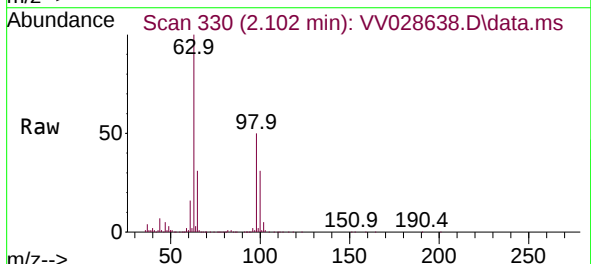
Instrument :
MSVOA_V
ClientSampleId :
BFXTODL

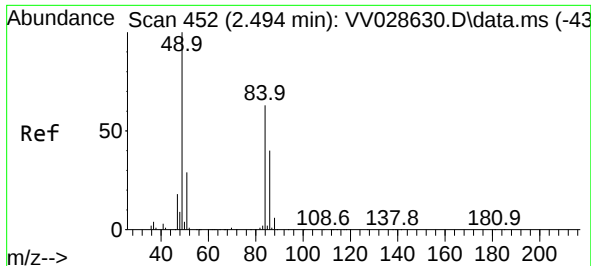
Tgt Ion:101 Resp: 1929
Ion Ratio Lower Upper
101 100
85 16.8 37.0 55.6#
151 20.1 50.2 75.2#



#12
1,1-Dichloroethene
Concen: 0.242 ug/L
RT: 2.102 min Scan# 330
Delta R.T. -0.003 min
Lab File: VV028638.D
Acq: 20 Oct 2022 16:32

Tgt Ion: 96 Resp: 3402
Ion Ratio Lower Upper
96 100
61 651.8 148.1 275.1#
63 4118.7 133.3 247.7#

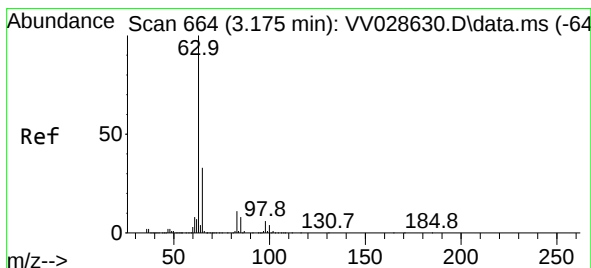
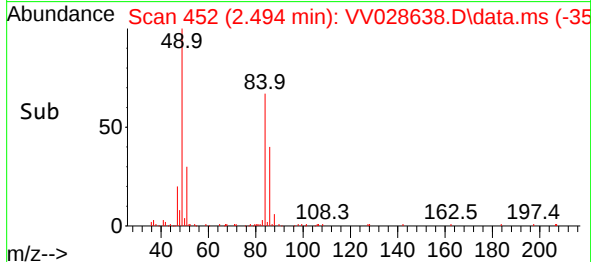
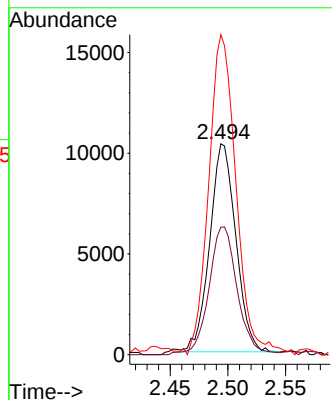
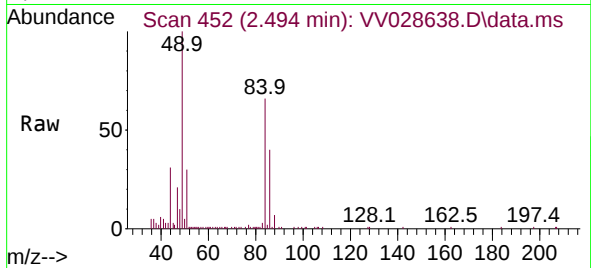




#16
Methylene chloride
Concen: 0.803 ug/L
RT: 2.494 min Scan# 452
Delta R.T. 0.000 min
Lab File: VV028638.D
Acq: 20 Oct 2022 16:32

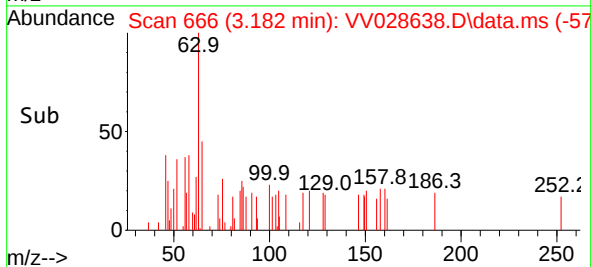
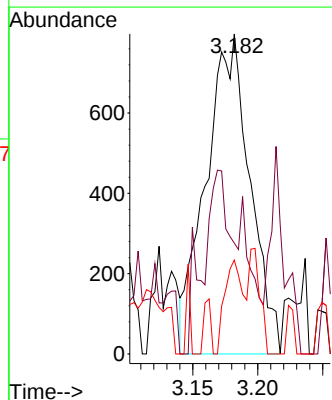
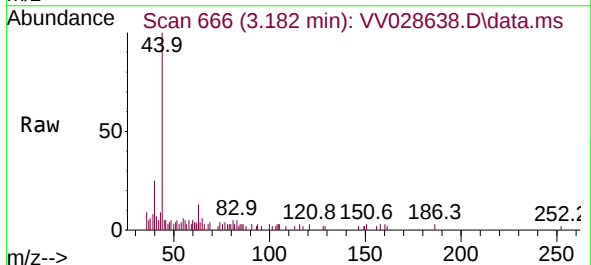
Instrument :
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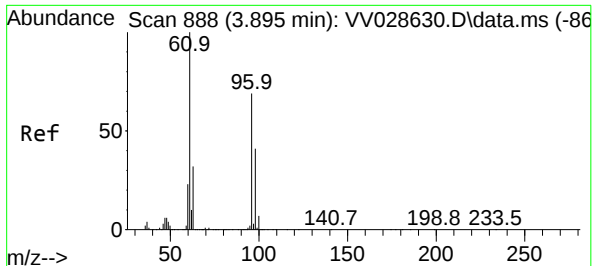
Tgt Ion: 84 Resp: 16249
Ion Ratio Lower Upper
84 100
86 60.5 44.4 82.4
49 151.7 110.8 205.8



#19
1,1-Dichloroethane
Concen: 0.053 ug/L
RT: 3.182 min Scan# 666
Delta R.T. 0.007 min
Lab File: VV028638.D
Acq: 20 Oct 2022 16:32

Tgt Ion: 63 Resp: 1883
Ion Ratio Lower Upper
63 100
65 34.6 23.1 42.9
83 29.4 7.9 14.7#





#22

cis-1,2-Dichloroethene

Concen: 0.501 ug/L

RT: 3.896 min Scan# 888

Delta R.T. 0.000 min

Lab File: VV028638.D

Acq: 20 Oct 2022 16:32

Instrument :

MSVOA_V

ClientSampleId :

BFXTODL

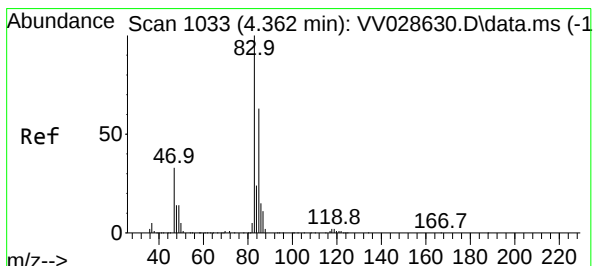
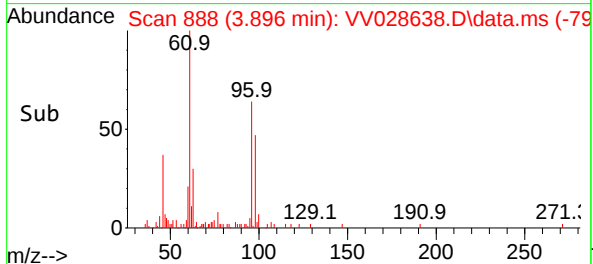
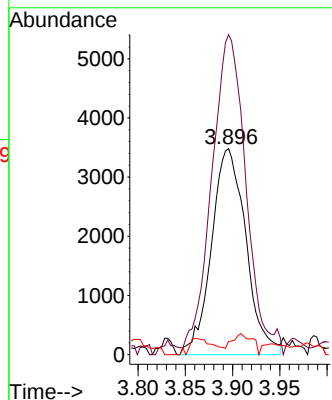
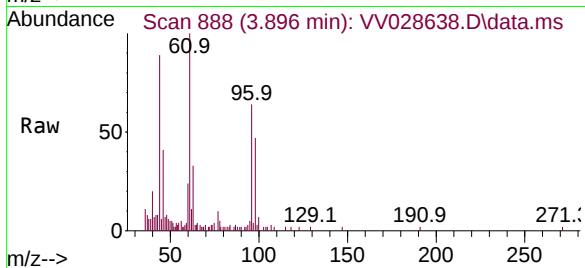
Tgt Ion: 96 Resp: 8820

Ion Ratio Lower Upper

96 100

61 155.3 101.4 188.2

68 6.3 0.5 0.9#



#25

Chloroform

Concen: 0.123 ug/L

RT: 4.365 min Scan# 1034

Delta R.T. 0.003 min

Lab File: VV028638.D

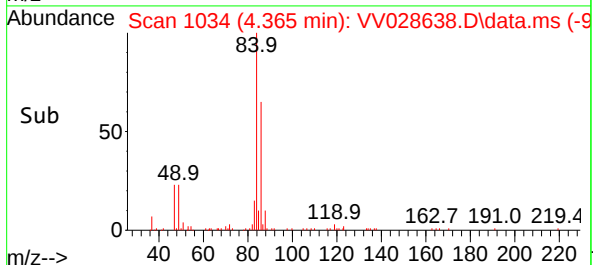
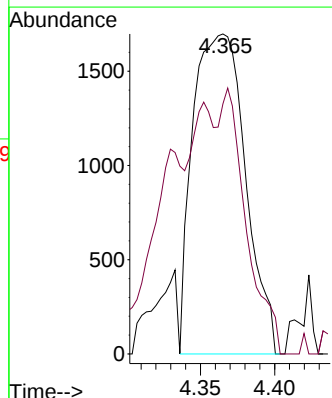
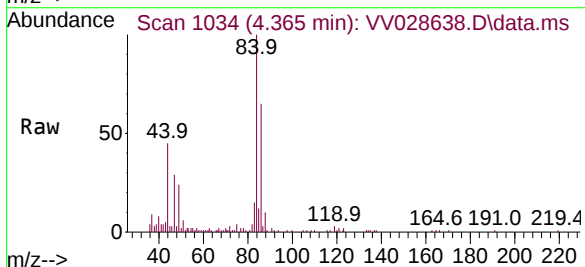
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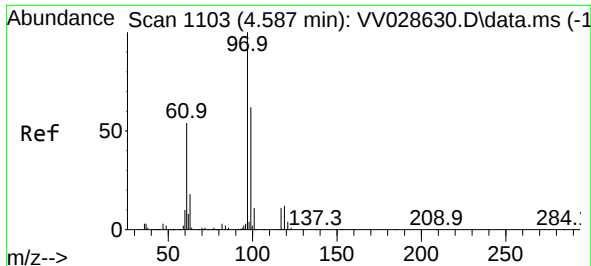
Tgt Ion: 83 Resp: 4175

Ion Ratio Lower Upper

83 100

85 78.2 44.1 81.9





#29

1,1,1-Trichloroethane

Concen: 0.052 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VV028638.D

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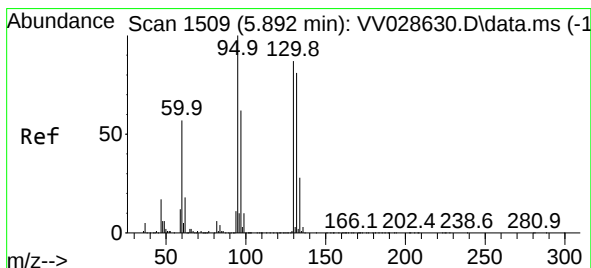
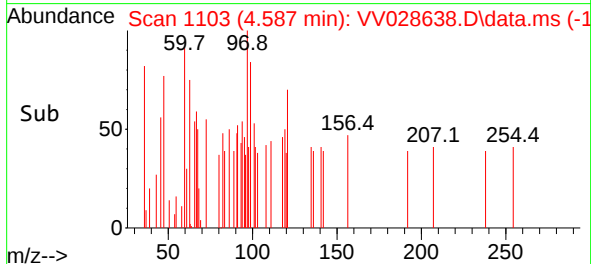
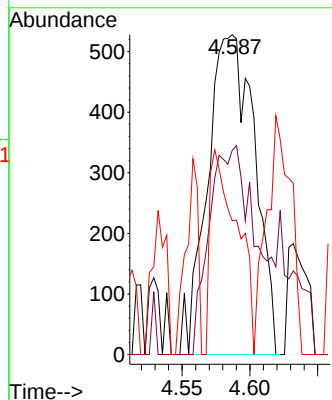
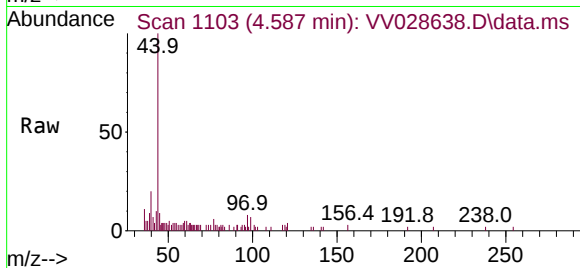
Tgt Ion: 97 Resp: 1283

Ion Ratio Lower Upper

97 100

99 60.6 50.5 75.7

61 36.8 43.1 64.7#



#34

Trichloroethene

Concen: 4.105 ug/L

RT: 5.892 min Scan# 1509

Delta R.T. 0.000 min

Lab File: VV028638.D

Acq: 20 Oct 2022 16:32

Tgt Ion: 95 Resp: 63653

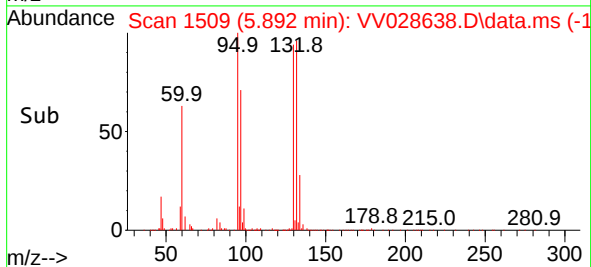
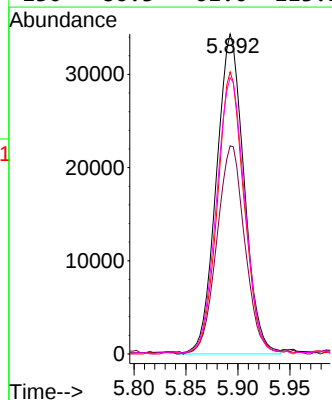
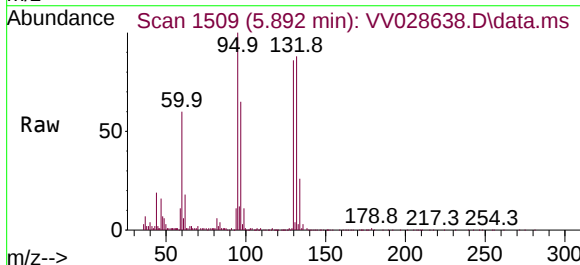
Ion Ratio Lower Upper

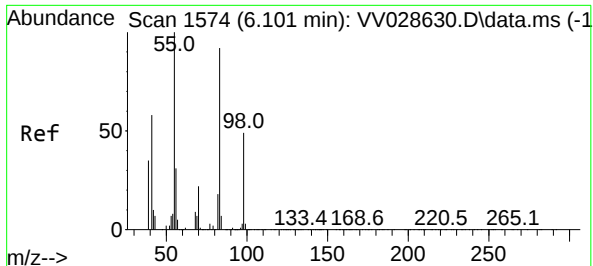
95 100

97 65.1 43.5 80.9

132 88.1 56.5 104.9

130 86.3 61.0 113.2

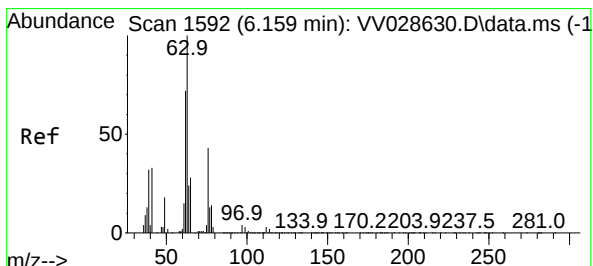
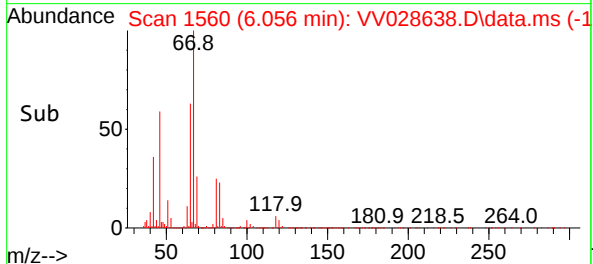
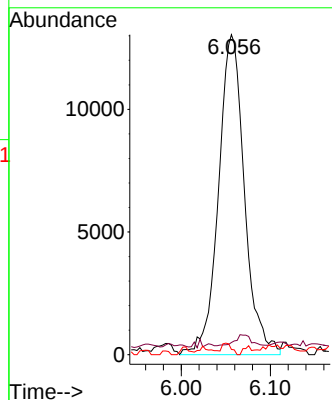
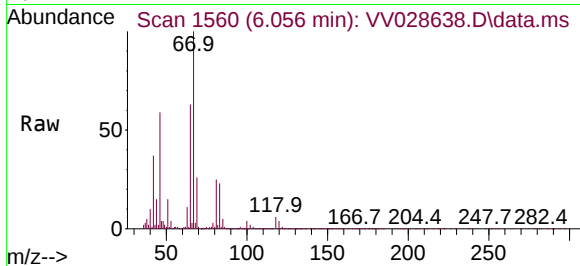




#35
Methylcyclohexane
Concen: 1.085 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. -0.045 min
Lab File: VV028638.D
Acq: 20 Oct 2022 16:32

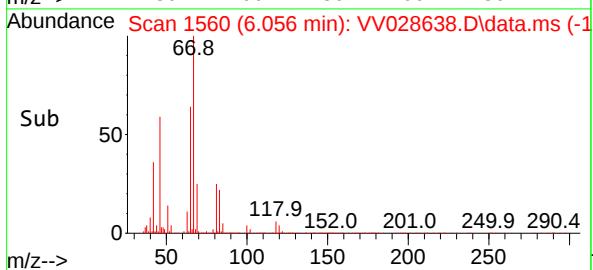
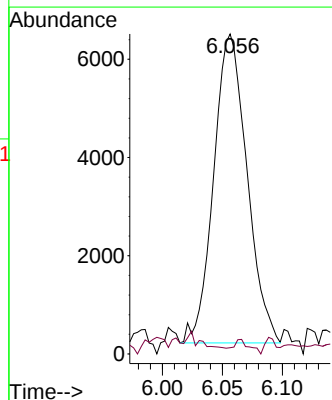
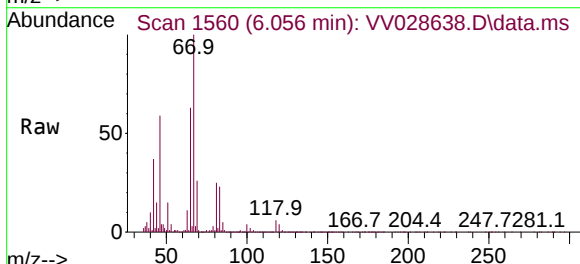
Instrument :
MSVOA_V
ClientSampleId :
BFXTODL

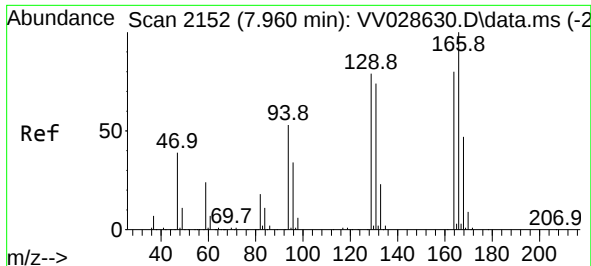
Tgt Ion: 83 Resp: 26405
Ion Ratio Lower Upper
83 100
55 0.0 70.0 105.0#
98 1.4 35.6 53.4#



#37
1,2-Dichloropropane
Concen: 0.677 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. -0.103 min
Lab File: VV028638.D
Acq: 20 Oct 2022 16:32

Tgt Ion: 63 Resp: 12174
Ion Ratio Lower Upper
63 100
112 2.2 3.4 5.2#

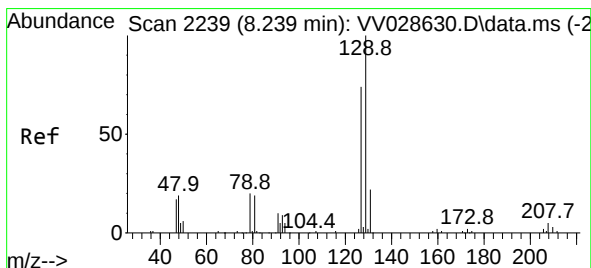
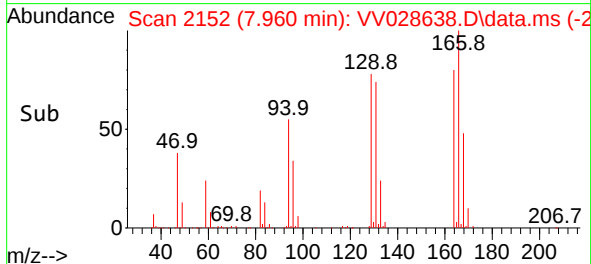
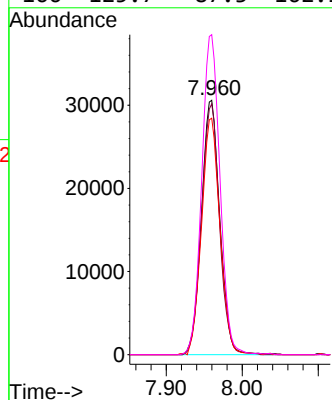
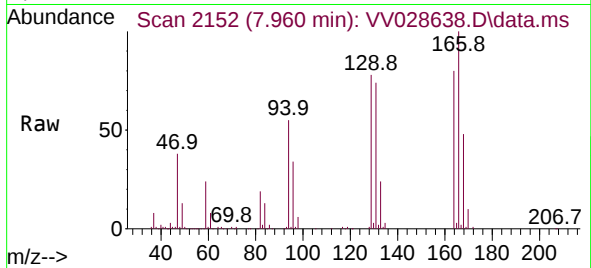




#47
Tetrachloroethene
Concen: 6.144 ug/L
RT: 7.960 min Scan# 2152
Delta R.T. 0.000 min
Lab File: VV028638.D
Acq: 20 Oct 2022 16:32

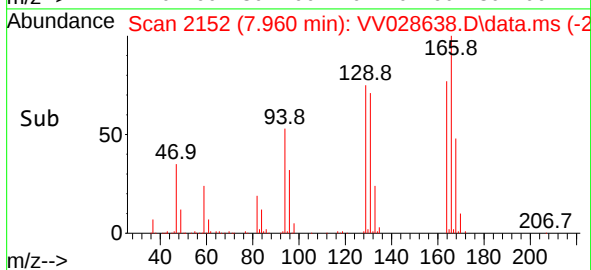
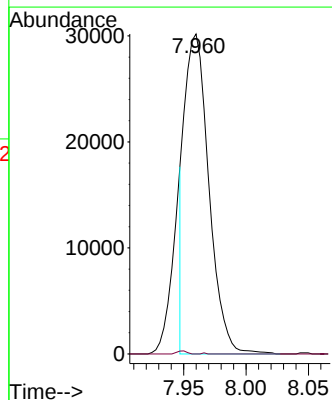
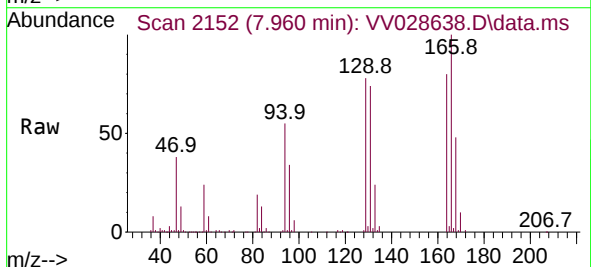
Instrument :
MSVOA_V
ClientSampleId :
BFXTODL

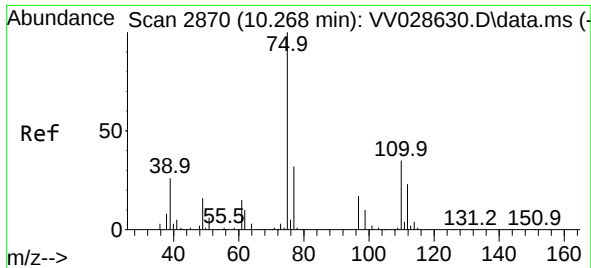
Tgt Ion:164 Resp: 51448
Ion Ratio Lower Upper
164 100
129 98.6 69.2 128.6
131 92.9 64.2 119.2
166 125.7 87.3 162.1



#49
Dibromochloromethane
Concen: 5.176 ug/L
RT: 7.960 min Scan# 2152
Delta R.T. -0.280 min
Lab File: VV028638.D
Acq: 20 Oct 2022 16:32

Tgt Ion:129 Resp: 40662
Ion Ratio Lower Upper
129 100
127 0.0 51.6 95.8#





#61
 1,2,3-Trichloropropane
 Concen: 1.411 ug/L
 RT: 11.239 min Scan# 31
 Delta R.T. 0.971 min
 Lab File: VV028638.D
 Acq: 20 Oct 2022 16:32

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXTODL

Tgt Ion: 75 Resp: 9556
 Ion Ratio Lower Upper
 75 100
 77 34.4 25.2 37.8
 110 2.5 27.9 41.9#

