

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112222\
 Data File : VW029276.D
 Acq On : 22 Nov 2022 20:58
 Operator : SY/MD
 Sample : N5651-09
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 23 04:46:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112222WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 23 01:46:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	305377	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	271731	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	123692	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	102108	3.505	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.200%
7) Chloroethane-d5	1.564	69	88458	3.879	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.600%
11) 1,1-Dichloroethene-d2	2.105	63	132867	2.678	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	53.600%#
20) 2-Butanone-d5	3.902	46	220329	51.241	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.480%
24) Chloroform-d	4.339	84	168034	4.068	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.400%
26) 1,2-Dichloroethane-d4	5.024	65	87133	4.459	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.200%
32) Benzene-d6	5.043	84	353180	3.986	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.800%
36) 1,2-Dichloropropane-d6	6.063	67	122181	4.365	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.200%
41) Toluene-d8	7.310	98	291267	3.649	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.000%
43) trans-1,3-Dichloroprop...	7.616	79	34838	3.738	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.800%
46) 2-Hexanone-d5	8.085	63	84970	50.856	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.720%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	65012	4.672	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.400%
66) 1,2-Dichlorobenzene-d4	11.616	152	99591	4.174	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	3681	0.144	ug/L	98
3) Chloromethane	1.240	50	3611	0.103	ug/L	98
9) Trichlorofluoromethane	1.751	101	90452	2.354	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	2918	0.128	ug/L #	77
12) 1,1-Dichloroethene	2.111	96	2825	0.125	ug/L #	1
17) Methyl tert-butyl Ether	2.764	73	25296	0.511	ug/L	96
18) trans-1,2-Dichloroethene	2.757	96	22228	0.971	ug/L	95
19) 1,1-Dichloroethane	3.185	63	7277	0.158	ug/L	97
22) cis-1,2-Dichloroethene	3.905	96	35751	1.431	ug/L	100
25) Chloroform	4.371	83	14060	0.320	ug/L	93
29) 1,1,1-Trichloroethane	4.603	97	2120	0.059	ug/L #	79
34) Trichloroethene	5.905	95	266257	10.225	ug/L	98
35) Methylcyclohexane	6.063	83	25711	0.611	ug/L #	17
37) 1,2-Dichloropropane	6.059	63	13420	0.523	ug/L #	88
47) Tetrachloroethene	7.969	164	42018	2.457	ug/L	97
49) Dibromochloromethane	7.966	129	36620	2.301	ug/L #	10
57) 1,1,2,2-Tetrachloroethane	10.220	83	1094	0.080	ug/L #	75
71) Naphthalene	13.490	128	1179	0.131	ug/L #	75

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Nov 23 01:46:18 2022
Response via : Initial Calibration

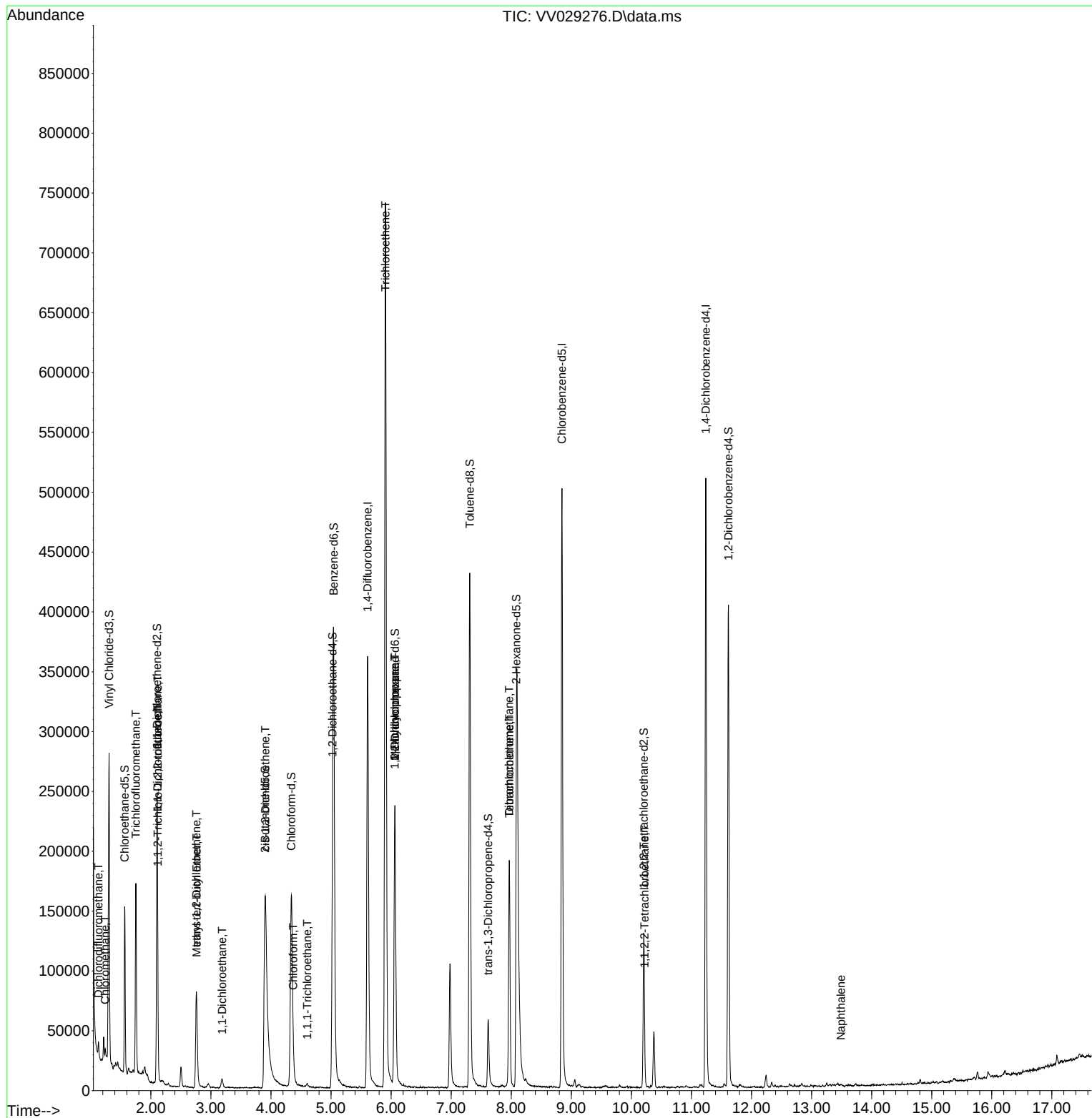
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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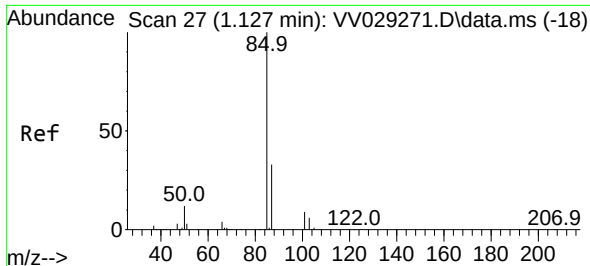
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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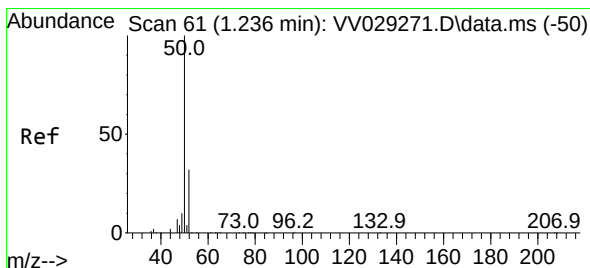
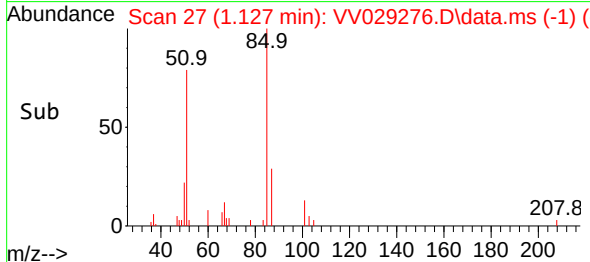
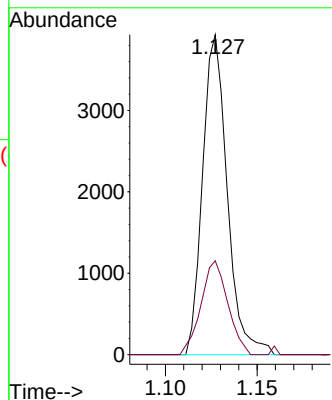
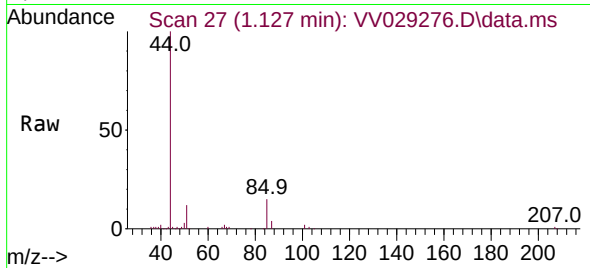




#2
Dichlorodifluoromethane
Concen: 0.144 ug/L
RT: 1.127 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV029276.D
Acq: 22 Nov 2022 20:58

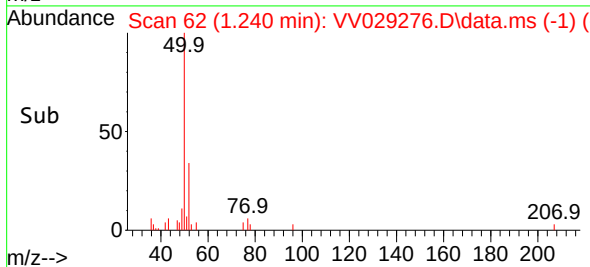
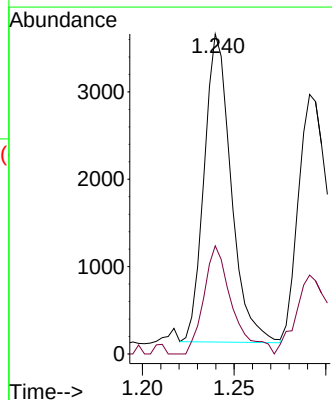
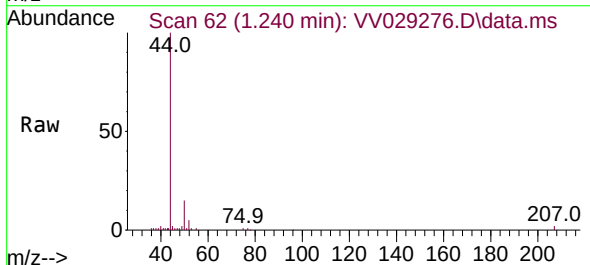
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MSVOA_V
ClientSampleId :

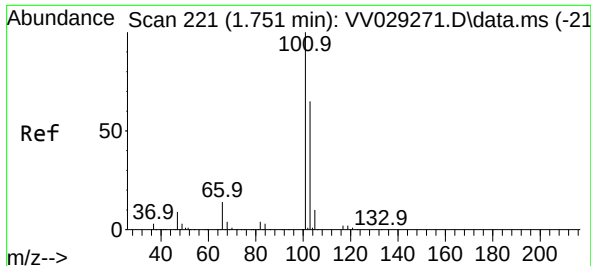
Tgt Ion: 85 Resp: 3681
Ion Ratio Lower Upper
85 100
87 31.9 26.3 39.5



#3
Chloromethane
Concen: 0.103 ug/L
RT: 1.240 min Scan# 62
Delta R.T. 0.003 min
Lab File: VV029276.D
Acq: 22 Nov 2022 20:58

Tgt Ion: 50 Resp: 3611
Ion Ratio Lower Upper
50 100
52 33.8 22.8 42.4

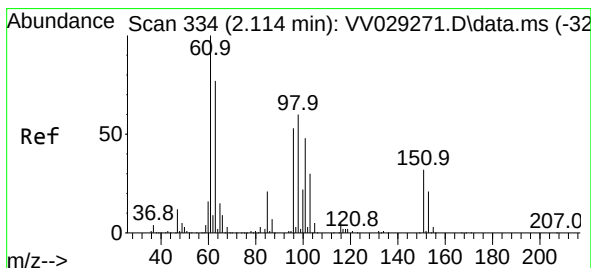
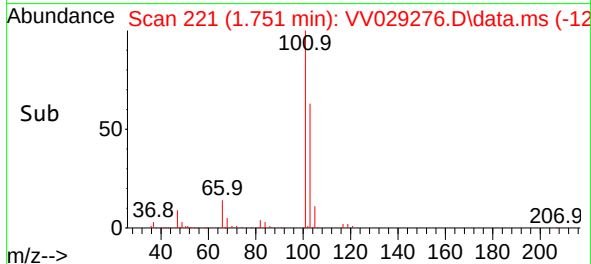
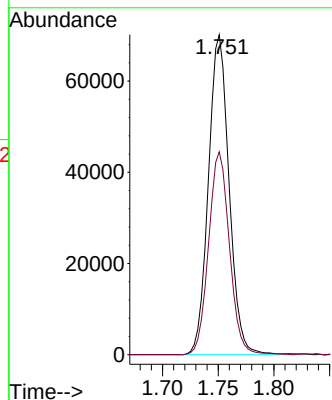
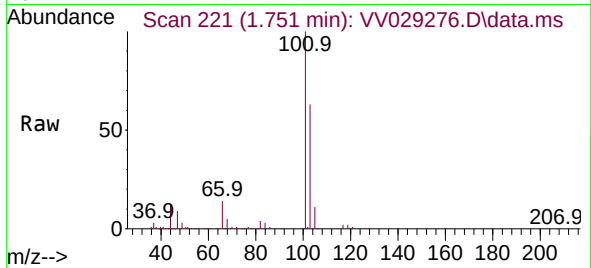




#9
 Trichlorofluoromethane
 Concen: 2.354 ug/L
 RT: 1.751 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV029276.D
 Acq: 22 Nov 2022 20:58

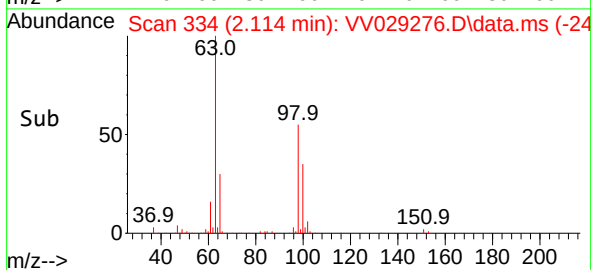
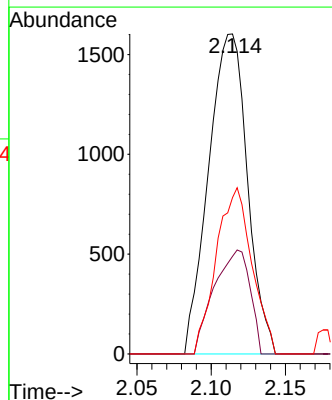
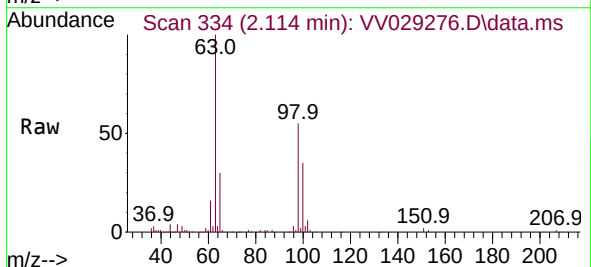
Instrument :
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 ClientSampleId :

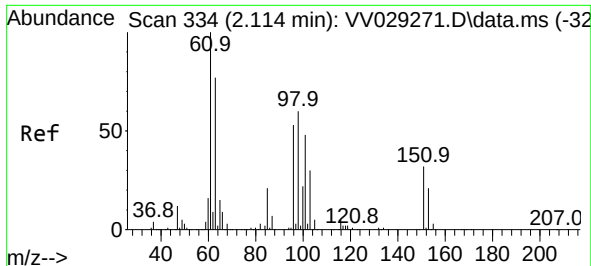
Tgt Ion:101 Resp: 90452
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.7 77.5



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.128 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.000 min
 Lab File: VV029276.D
 Acq: 22 Nov 2022 20:58

Tgt Ion:101 Resp: 2918
 Ion Ratio Lower Upper
 101 100
 85 30.0 34.7 52.1#
 151 47.7 53.4 80.2#

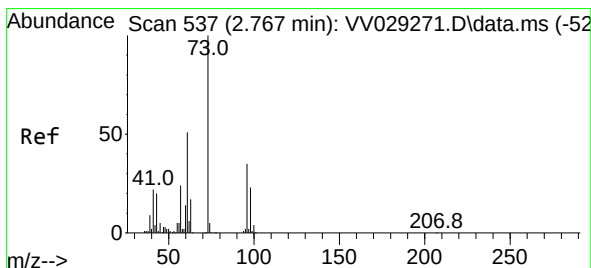
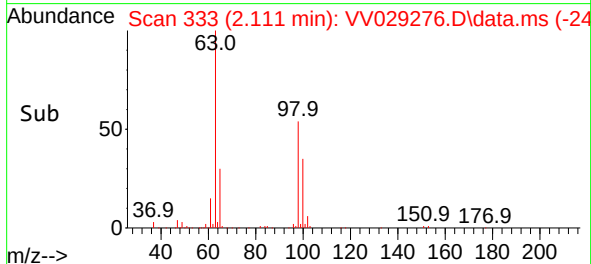
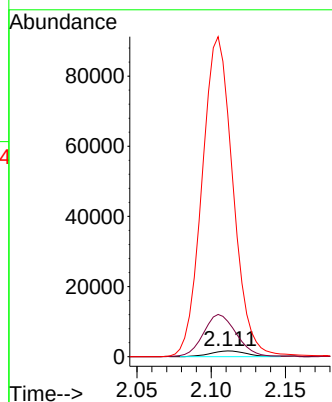
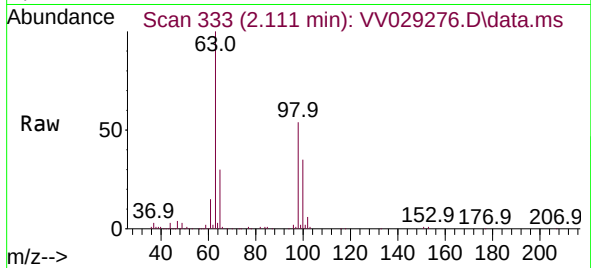




#12
1,1-Dichloroethene
Concen: 0.125 ug/L
RT: 2.111 min Scan# 311
Delta R.T. -0.003 min
Lab File: VV029276.D
Acq: 22 Nov 2022 20:58

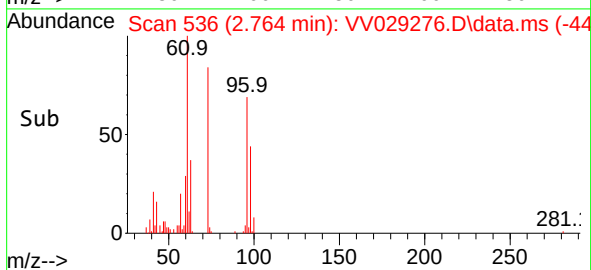
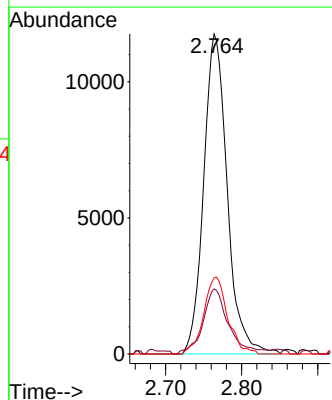
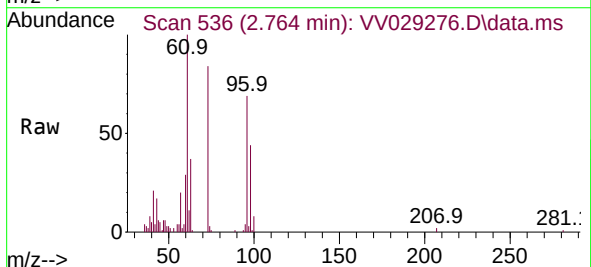
Instrument :
MSVOA_V
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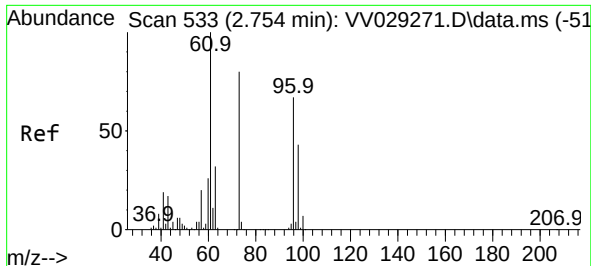
Tgt Ion: 96 Resp: 2825
Ion Ratio Lower Upper
96 100
61 612.6 131.9 245.0#
63 4211.6 98.6 183.0#



#17
Methyl tert-butyl Ether
Concen: 0.511 ug/L
RT: 2.764 min Scan# 536
Delta R.T. -0.003 min
Lab File: VV029276.D
Acq: 22 Nov 2022 20:58

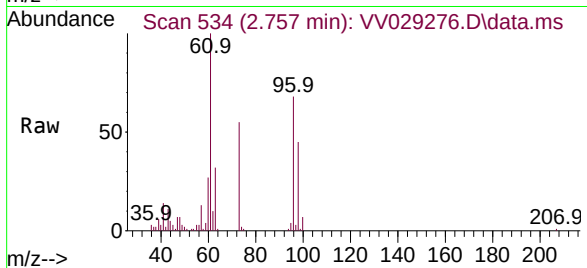
Tgt Ion: 73 Resp: 25296
Ion Ratio Lower Upper
73 100
43 22.2 15.4 23.2
57 24.3 18.9 28.3



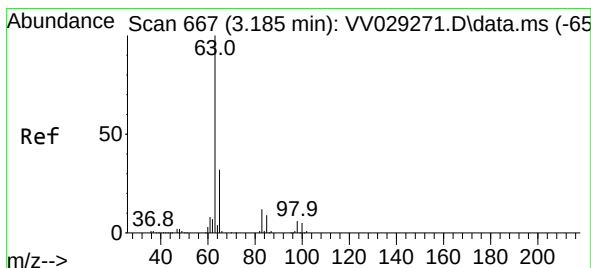
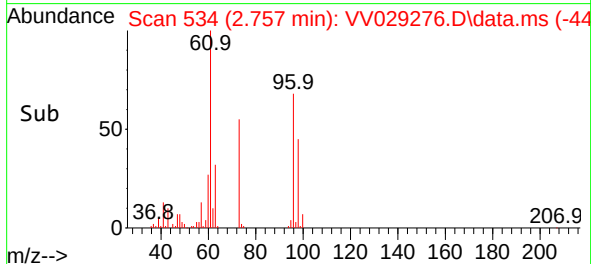
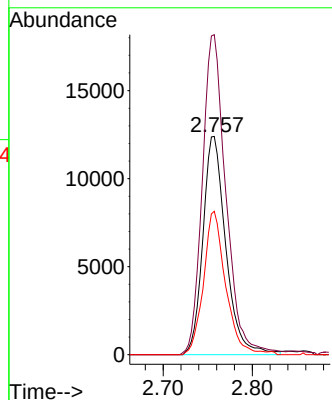


#18
trans-1,2-Dichloroethene
Concen: 0.971 ug/L
RT: 2.757 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV029276.D
Acq: 22 Nov 2022 20:58

Instrument :
MSVOA_V
ClientSampleId :

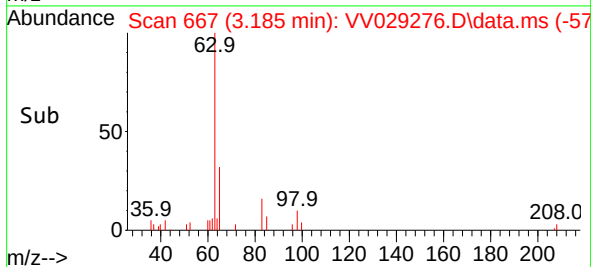
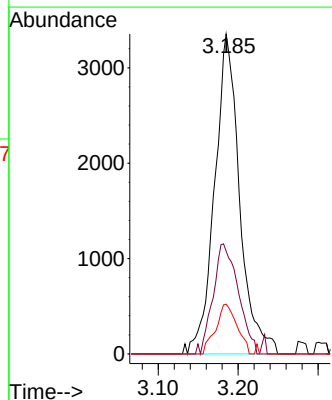
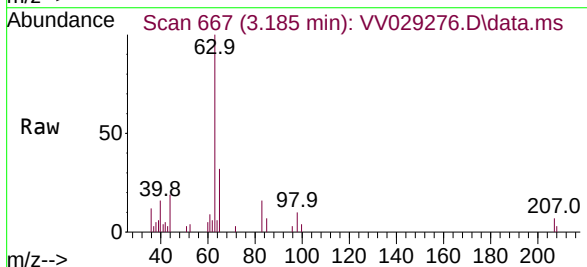


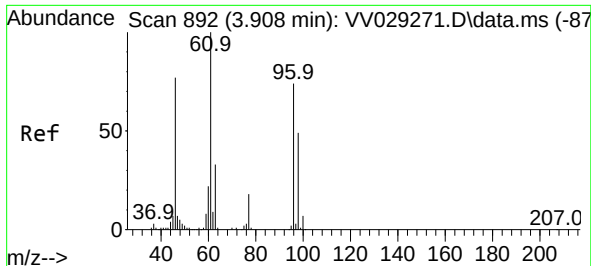
Tgt Ion: 96 Resp: 22228
Ion Ratio Lower Upper
96 100
61 146.7 107.6 199.8
98 65.7 44.3 82.3



#19
1,1-Dichloroethane
Concen: 0.158 ug/L
RT: 3.185 min Scan# 667
Delta R.T. 0.000 min
Lab File: VV029276.D
Acq: 22 Nov 2022 20:58

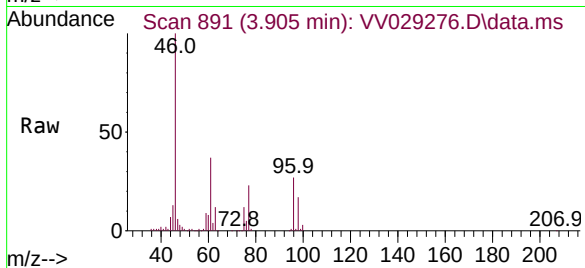
Tgt Ion: 63 Resp: 7277
Ion Ratio Lower Upper
63 100
65 32.1 22.1 41.1
83 15.6 9.0 16.8



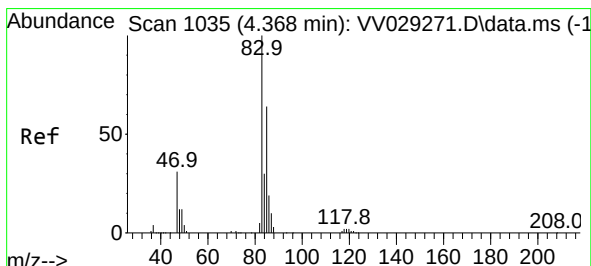
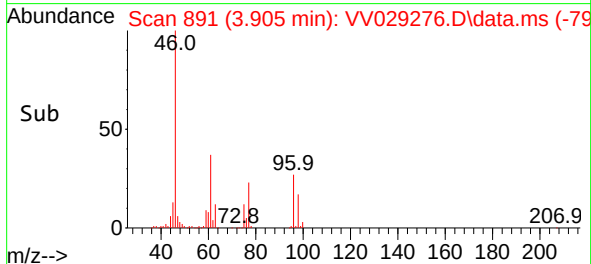
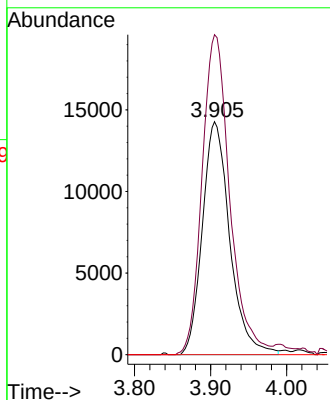


#22
 cis-1,2-Dichloroethene
 Concen: 1.431 ug/L
 RT: 3.905 min Scan# 891
 Delta R.T. -0.003 min
 Lab File: VV029276.D
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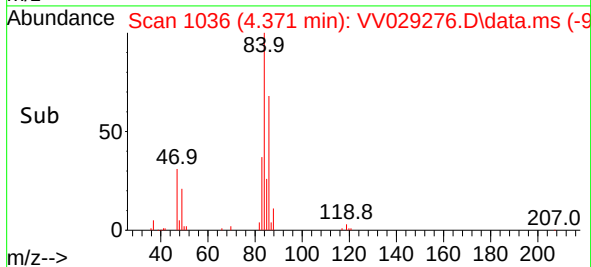
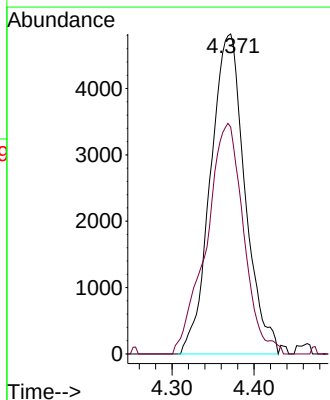
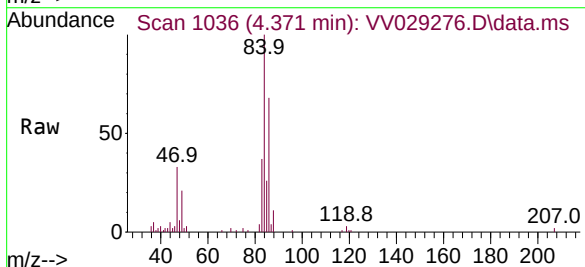


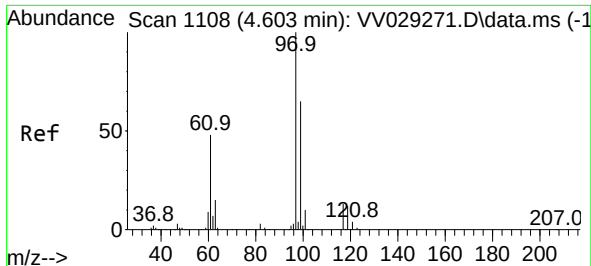
Tgt Ion: 96 Resp: 35751
 Ion Ratio Lower Upper
 96 100
 61 137.4 95.8 178.0
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.320 ug/L
 RT: 4.371 min Scan# 1036
 Delta R.T. 0.003 min
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Tgt Ion: 83 Resp: 14060
 Ion Ratio Lower Upper
 83 100
 85 70.9 45.6 84.6





#29

1,1,1-Trichloroethane

Concen: 0.059 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. 0.000 min

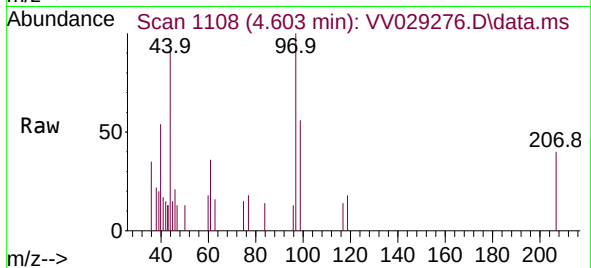
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Acq: 22 Nov 2022 20:58

Instrument :

MSVOA_V

ClientSampleId :



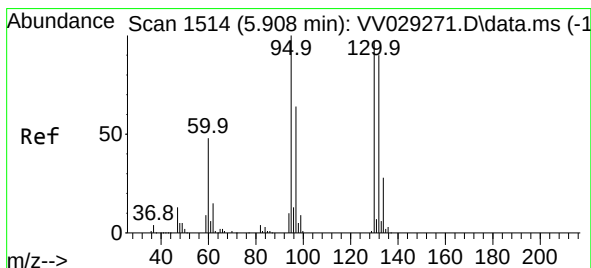
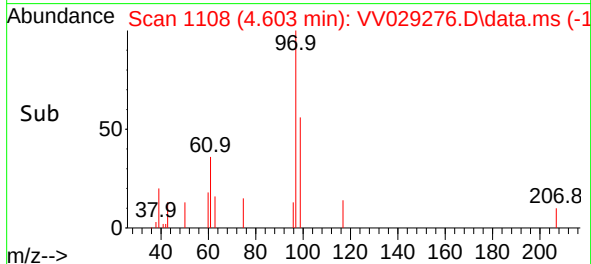
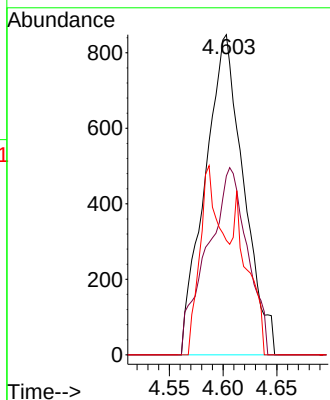
Tgt Ion: 97 Resp: 2120

Ion Ratio Lower Upper

97 100

99 60.8 51.1 76.7

61 20.0 39.0 58.4#



#34

Trichloroethene

Concen: 10.225 ug/L

RT: 5.905 min Scan# 1513

Delta R.T. -0.003 min

Lab File: VV029276.D

Acq: 22 Nov 2022 20:58

Tgt Ion: 95 Resp: 266257

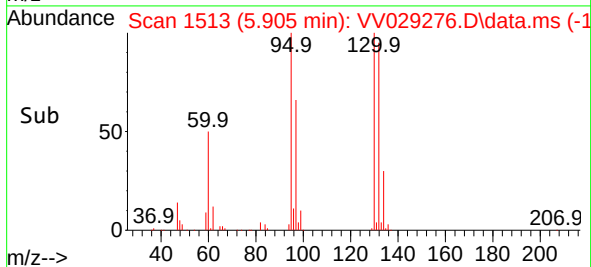
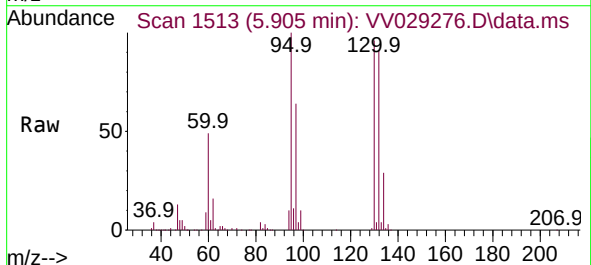
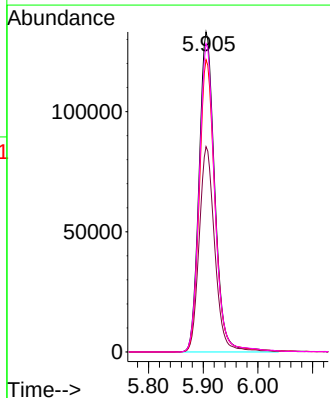
Ion Ratio Lower Upper

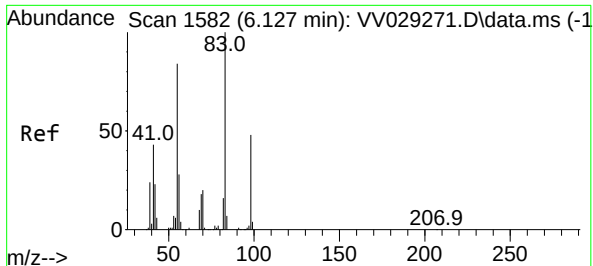
95 100

97 64.2 46.7 86.7

132 91.3 65.7 122.1

130 96.3 67.7 125.7





#35

Methylcyclohexane

Concen: 0.611 ug/L

RT: 6.063 min Scan# 1562

Delta R.T. -0.064 min

Lab File: VV029276.D

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Instrument :

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ClientSampleId :

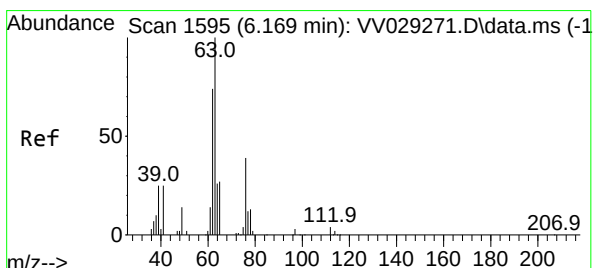
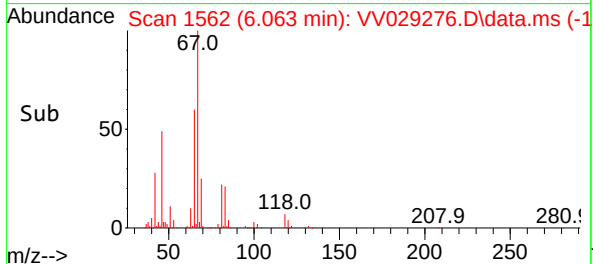
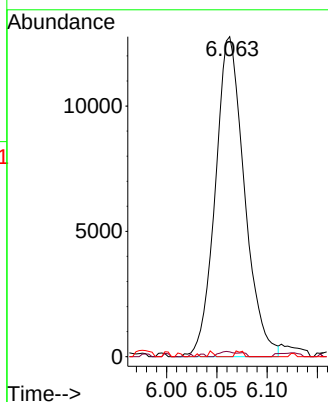
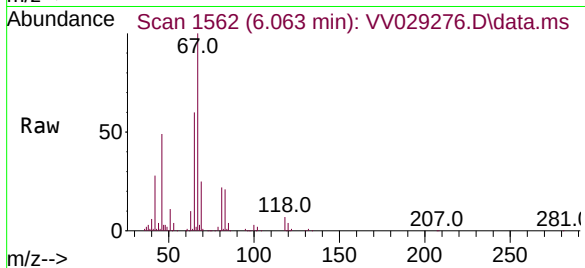
Tgt Ion: 83 Resp: 25711

Ion Ratio Lower Upper

83 100

55 0.8 65.7 98.5#

98 0.0 37.7 56.5#



#37

1,2-Dichloropropane

Concen: 0.523 ug/L

RT: 6.059 min Scan# 1561

Delta R.T. -0.109 min

Lab File: VV029276.D

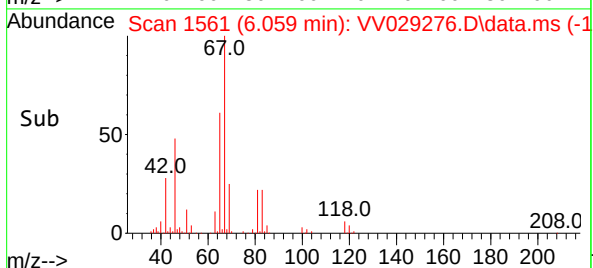
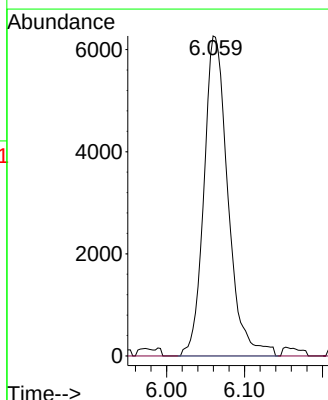
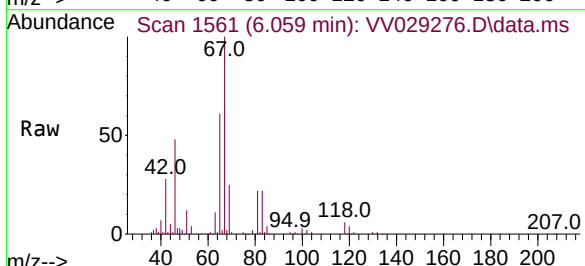
Acq: 22 Nov 2022 20:58

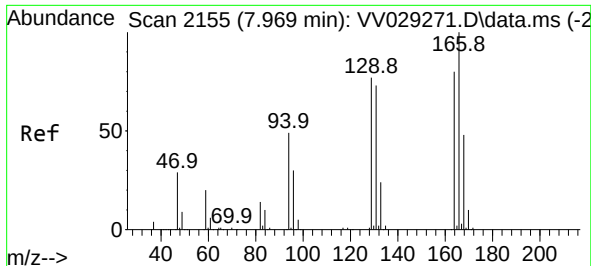
Tgt Ion: 63 Resp: 13420

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#





#47

Tetrachloroethene

Concen: 2.457 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. 0.000 min

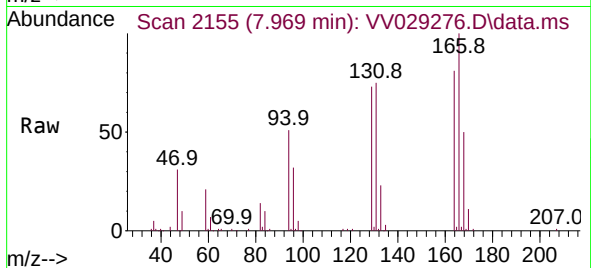
Lab File: VV029276.D

Acq: 22 Nov 2022 20:58

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 42018

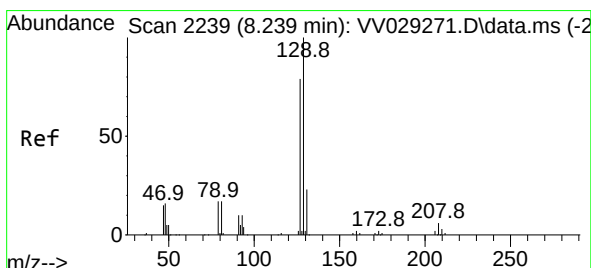
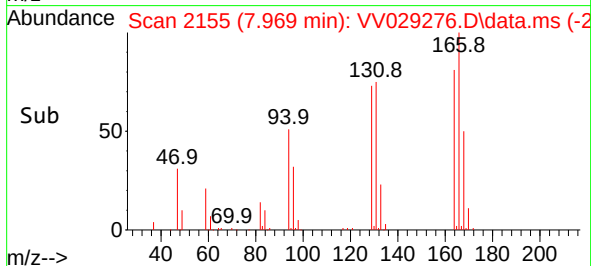
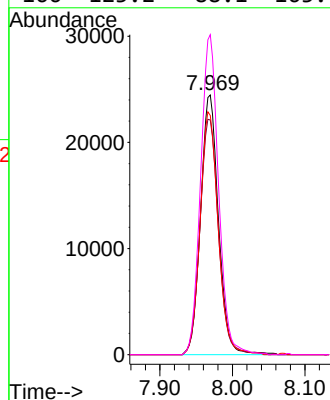
Ion Ratio Lower Upper

164 100

129 90.4 68.3 126.8

131 92.1 65.2 121.0

166 123.2 88.1 163.7



#49

Dibromochloromethane

Concen: 2.301 ug/L

RT: 7.966 min Scan# 2154

Delta R.T. -0.273 min

Lab File: VV029276.D

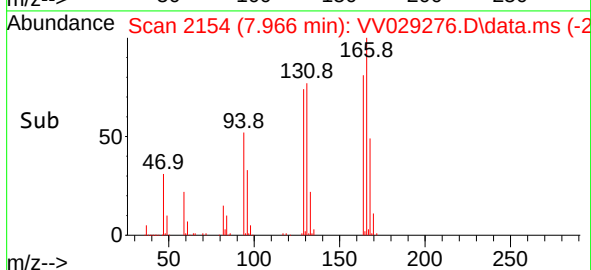
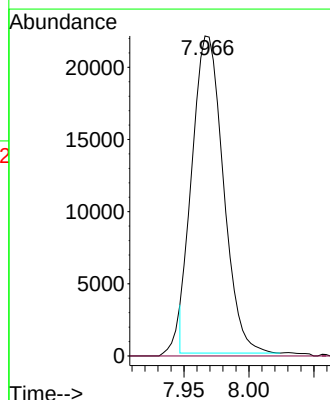
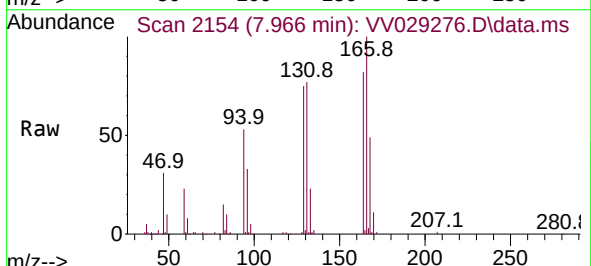
Acq: 22 Nov 2022 20:58

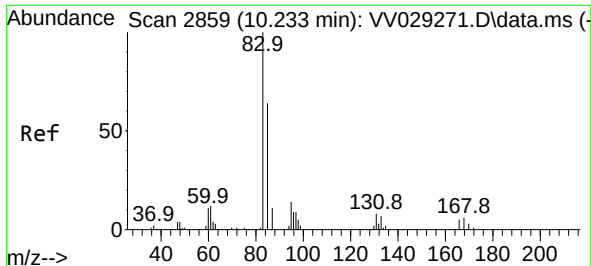
Tgt Ion:129 Resp: 36620

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.5#





#57

1,1,2,2-Tetrachloroethane

Concen: 0.080 ug/L

RT: 10.220 min Scan# 2855

Delta R.T. -0.013 min

Lab File: VV029276.D

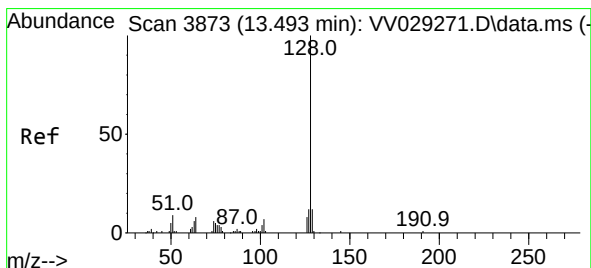
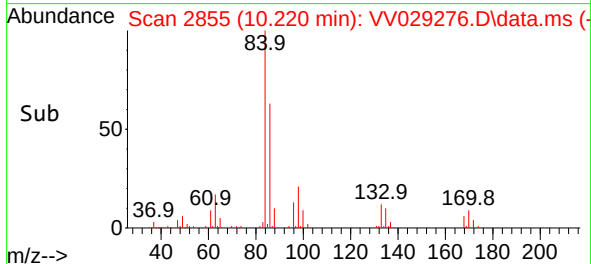
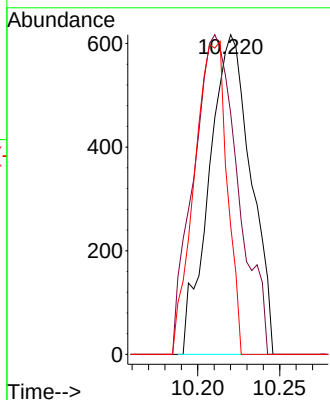
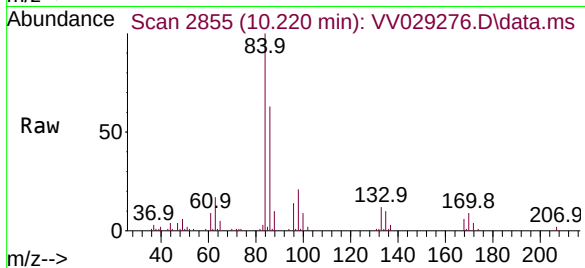
Acq: 22 Nov 2022 20:58

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	83	Resp:	1094
Ion	Ratio	Lower	Upper
83	100		
85	75.4	43.9	81.5
131	40.2	6.9	10.3#



#71

Naphthalene

Concen: 0.131 ug/L

RT: 13.490 min Scan# 3872

Delta R.T. -0.003 min

Lab File: VV029276.D

Acq: 22 Nov 2022 20:58

Tgt Ion:	128	Resp:	1179
Ion	Ratio	Lower	Upper
128	100		
129	0.0	8.4	12.6#
127	3.4	10.0	15.0#

