

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121323\
 Data File : VW033309.D
 Acq On : 14 Dec 2023 04:43
 Operator : SY/MD
 Sample : 05770-09
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E0Y81

Quant Time: Dec 14 05:46:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 14 01:07:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	122656	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	121668	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	63638	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	40854	5.196	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 104.000%	
7) Chloroethane-d5	1.532	69	31468	5.381	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 107.600%	
11) 1,1-Dichloroethene-d2	2.060	65	16072	5.136	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 102.800%	
20) 2-Butanone-d5	3.809	46	52695	56.631	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	= 113.260%	
24) Chloroform-d	4.249	84	90650	5.527	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 110.600%	
26) 1,2-Dichloroethane-d4	4.944	65	41169	5.777	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 115.600%	
32) Benzene-d6	4.960	84	172365	5.477	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 109.600%	
36) 1,2-Dichloropropane-d6	5.989	67	40314	5.627	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 112.600%	
41) Toluene-d8	7.243	98	161120	5.253	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 105.000%	
43) trans-1,3-Dichloroprop...	7.558	79	17410	5.327	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 106.600%	
46) 2-Hexanone-d5	8.030	63	55270	60.578	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 121.160%	
56) 1,1,2,2-Tetrachloroeth...	10.156	84	28071	5.794	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 115.800%	
66) 1,2-Dichlorobenzene-d4	11.561	152	65304	5.826	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 116.600%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.214	50	2340	0.267	ug/L	96
8) Chloroethane	1.552	64	1304	0.255	ug/L #	42
14) Carbon disulfide	2.243	76	4063	0.178	ug/L	98
22) cis-1,2-Dichloroethene	3.821	96	4580	0.521	ug/L	91
27) 1,2-Dichloroethane	4.960	62	1171	0.136	ug/L #	72
34) Trichloroethene	5.841	95	7528	0.792	ug/L	84
37) 1,2-Dichloropropane	5.989	63	5433	0.829	ug/L #	81
39) cis-1,3-Dichloropropene	6.915	75	1338	0.126	ug/L #	70
42) Toluene	7.317	91	72145	1.932	ug/L	99
44) trans-1,3-Dichloropropene	7.561	75	825	0.093	ug/L #	55
47) Tetrachloroethene	7.911	164	1045	0.116	ug/L	88
49) Dibromochloromethane	7.915	129	902	0.127	ug/L #	11
51) Chlorobenzene	8.818	112	7635	0.299	ug/L	97
53) m,p-Xylene	9.075	106	1079	0.063	ug/L	66
61) 1,2,3-Trichloropropane	11.185	75	5703	1.691	ug/L #	59
65) 1,4-Dichlorobenzene	11.217	146	1739	0.081	ug/L	85
67) 1,2-Dichlorobenzene	11.583	146	2637	0.143	ug/L #	84

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QLast Update : Thu Dec 14 01:07:25 2023
Response via : Initial Calibration

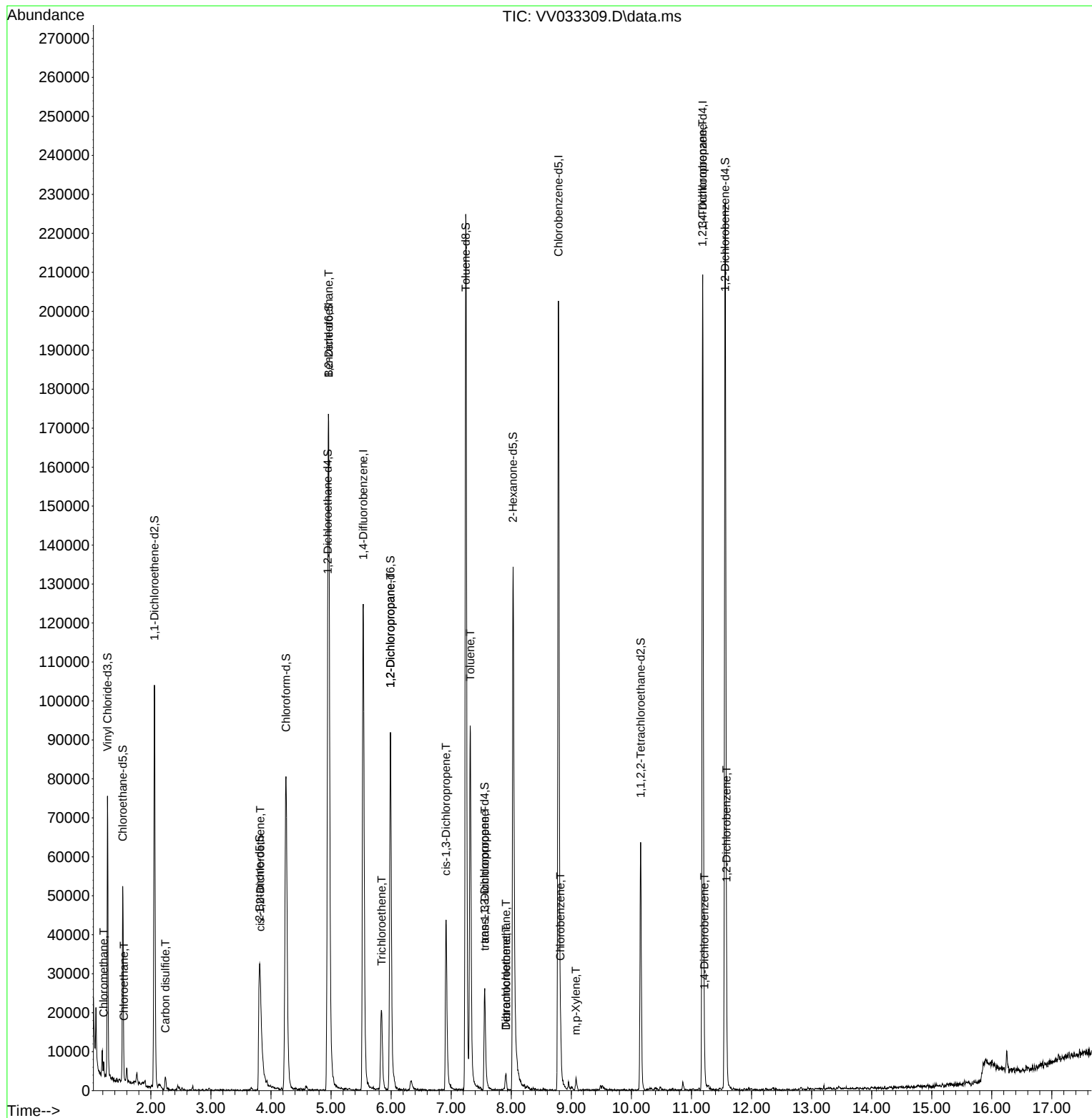
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

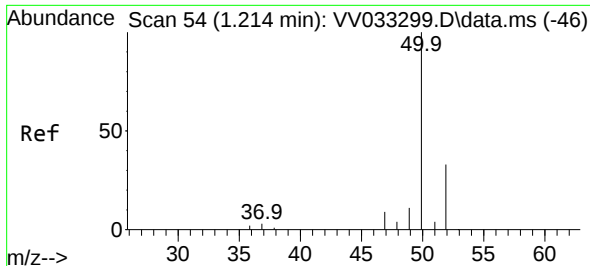
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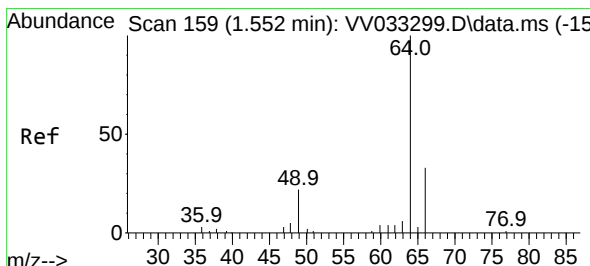
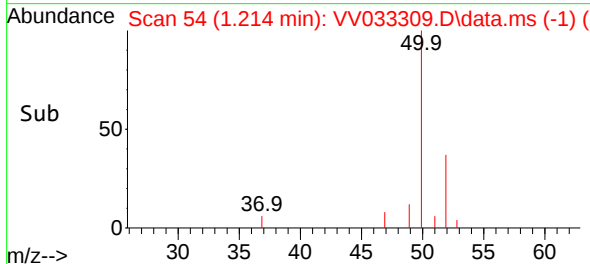
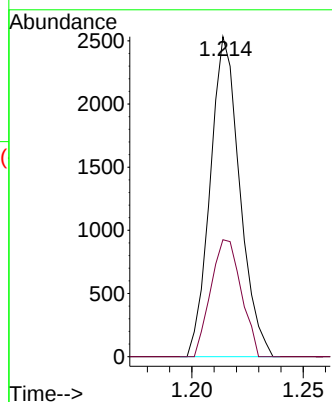
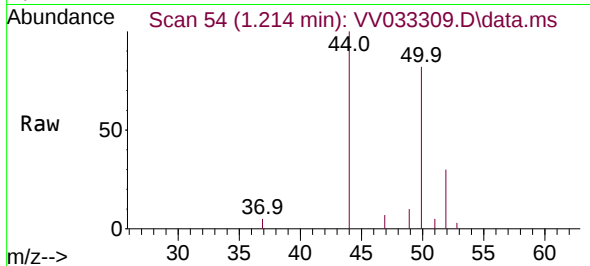




#3
Chloromethane
Concen: 0.267 ug/L
RT: 1.214 min Scan# 54
Delta R.T. 0.000 min
Lab File: VV033309.D
Acq: 14 Dec 2023 04:43

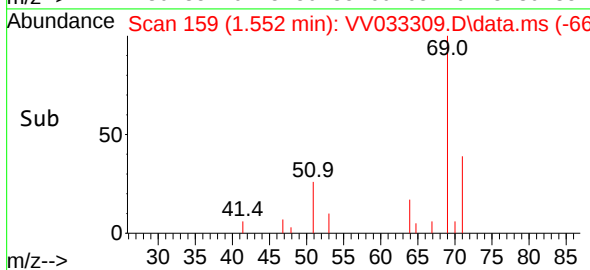
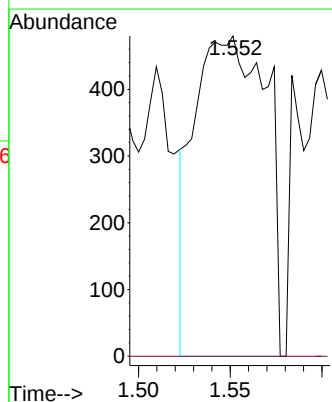
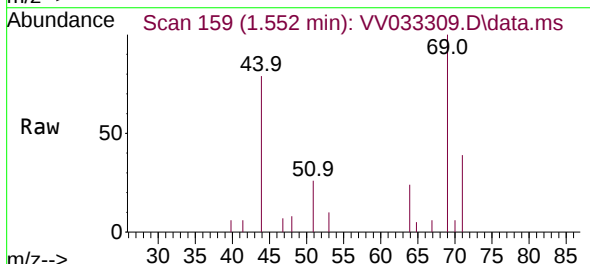
Instrument :
MSVOA_V
ClientSampleId :
E0Y81

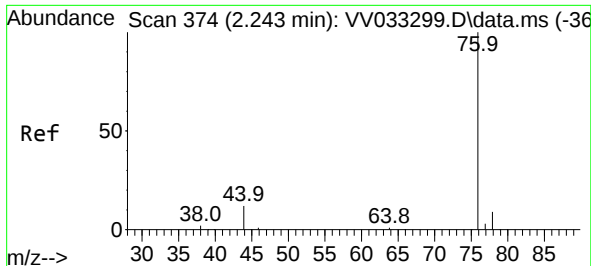
Tgt Ion: 50 Resp: 2340
Ion Ratio Lower Upper
50 100
52 36.6 23.8 44.2



#8
Chloroethane
Concen: 0.255 ug/L
RT: 1.552 min Scan# 159
Delta R.T. -0.000 min
Lab File: VV033309.D
Acq: 14 Dec 2023 04:43

Tgt Ion: 64 Resp: 1304
Ion Ratio Lower Upper
64 100
66 0.0 22.9 42.5#

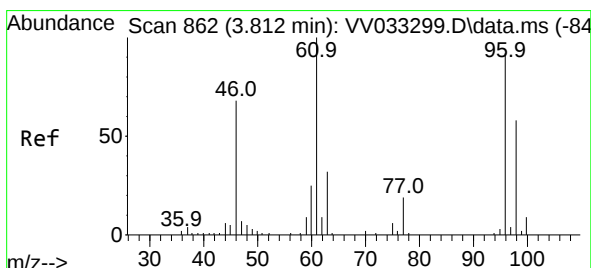
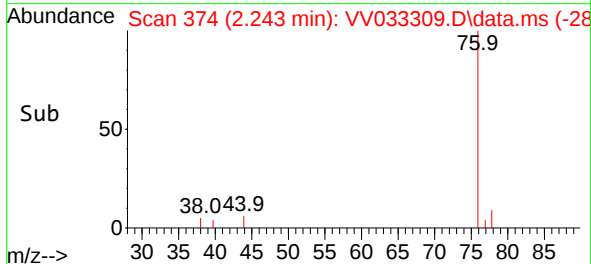
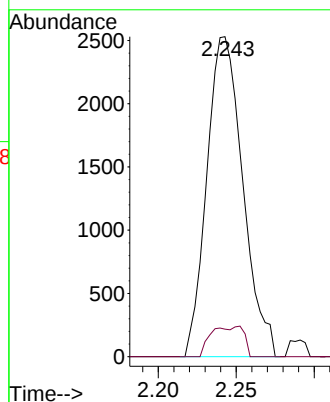
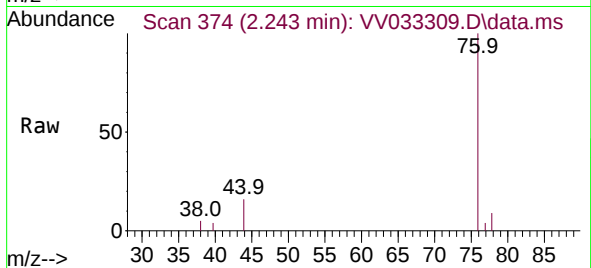




#14
Carbon disulfide
Concen: 0.178 ug/L
RT: 2.243 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV033309.D
Acq: 14 Dec 2023 04:43

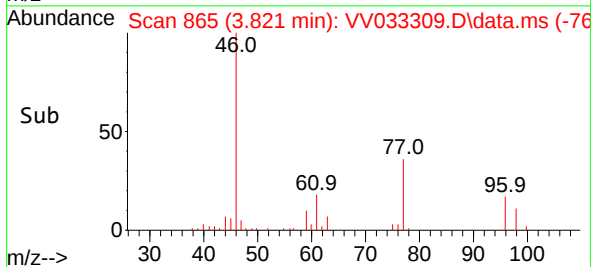
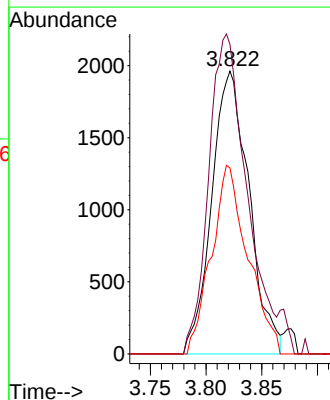
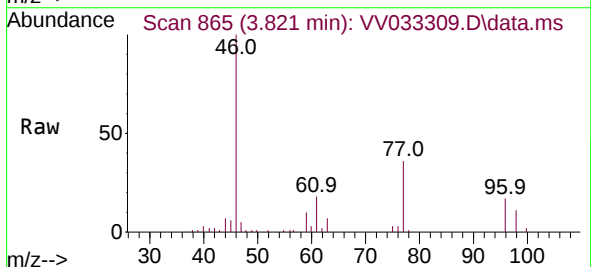
Instrument :
MSVOA_V
ClientSampleId :
E0Y81

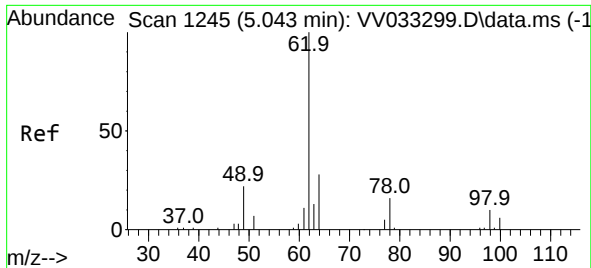
Tgt Ion: 76 Resp: 4063
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.0



#22
cis-1,2-Dichloroethene
Concen: 0.521 ug/L
RT: 3.821 min Scan# 865
Delta R.T. 0.010 min
Lab File: VV033309.D
Acq: 14 Dec 2023 04:43

Tgt Ion: 96 Resp: 4580
Ion Ratio Lower Upper
96 100
61 109.5 69.9 129.9
98 65.8 42.4 78.8





#27

1,2-Dichloroethane

Concen: 0.136 ug/L

RT: 4.960 min Scan# 1171

Delta R.T. -0.084 min

Lab File: VV033309.D

Acq: 14 Dec 2023 04:43

Instrument :

MSVOA_V

ClientSampleId :

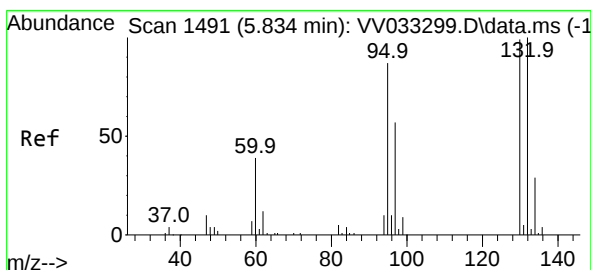
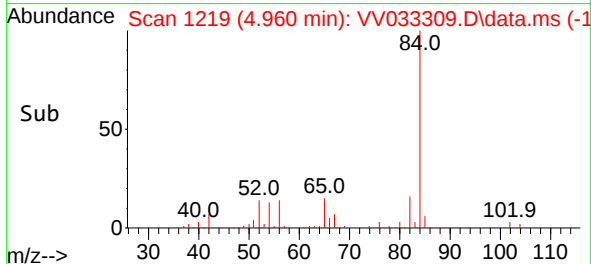
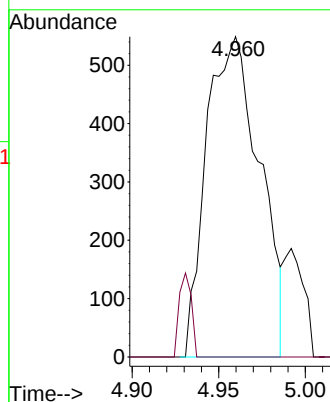
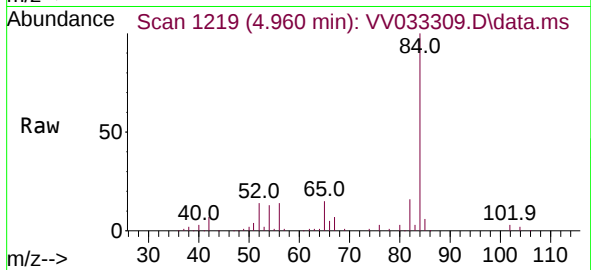
E0Y81

Tgt Ion: 62 Resp: 1171

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#



#34

Trichloroethene

Concen: 0.792 ug/L

RT: 5.841 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VV033309.D

Acq: 14 Dec 2023 04:43

Tgt Ion: 95 Resp: 7528

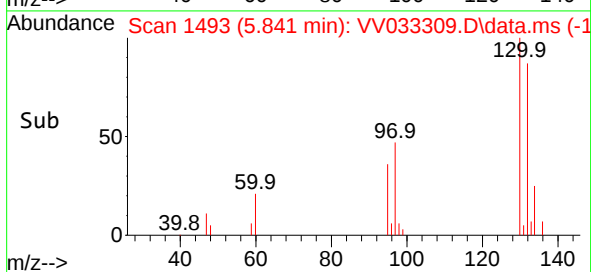
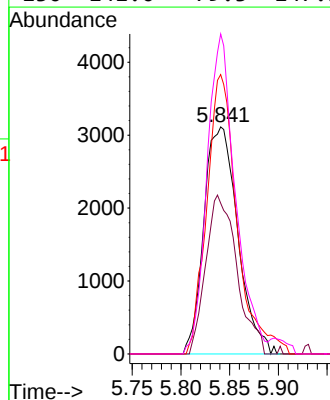
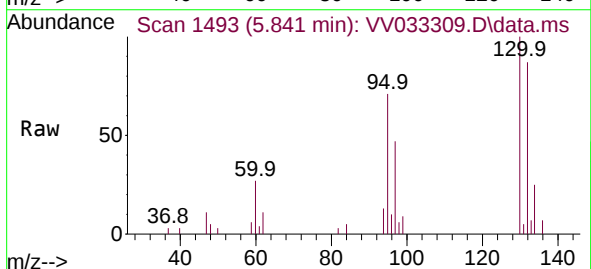
Ion Ratio Lower Upper

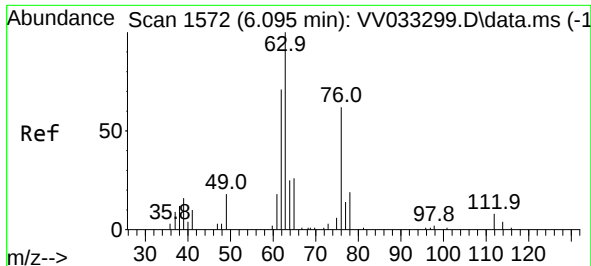
95 100

97 66.4 46.5 86.5

132 123.0 75.1 139.5

130 141.0 79.3 147.3





#37

1,2-Dichloropropane

Concen: 0.829 ug/L

RT: 5.989 min Scan# 11

Delta R.T. -0.106 min

Lab File: VV033309.D

Acq: 14 Dec 2023 04:43

Instrument :

MSVOA_V

ClientSampleId :

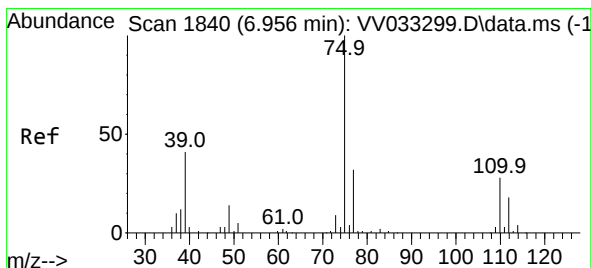
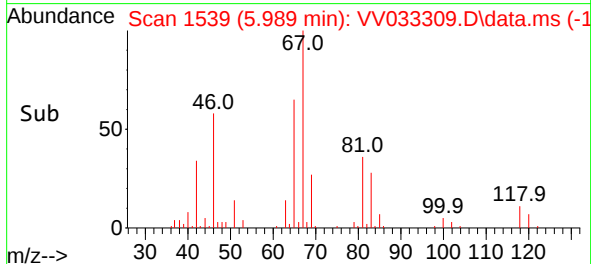
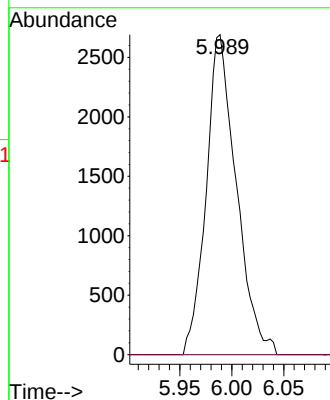
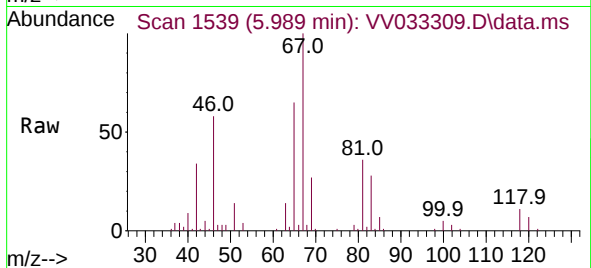
E0Y81

Tgt Ion: 63 Resp: 5433

Ion Ratio Lower Upper

63 100

112 0.0 5.0 7.6#



#39

cis-1,3-Dichloropropene

Concen: 0.126 ug/L

RT: 6.915 min Scan# 1827

Delta R.T. -0.042 min

Lab File: VV033309.D

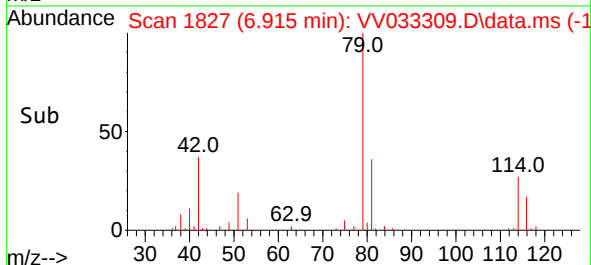
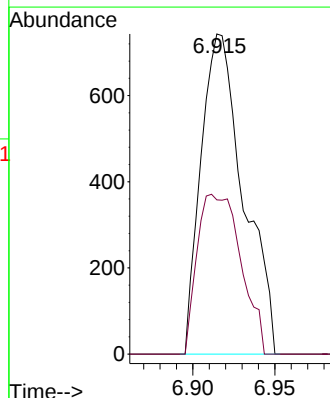
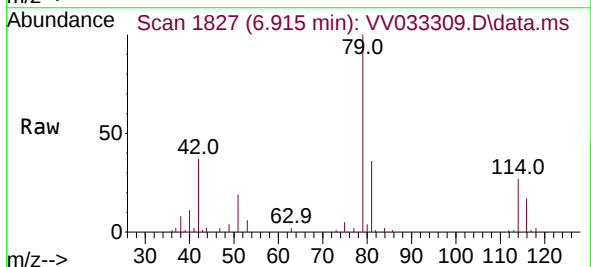
Acq: 14 Dec 2023 04:43

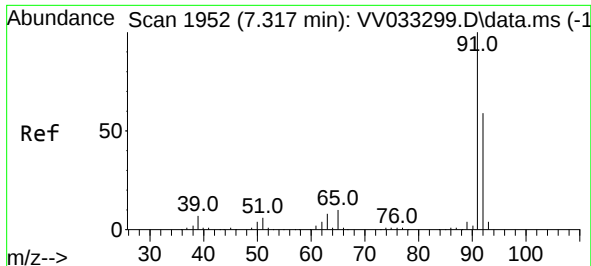
Tgt Ion: 75 Resp: 1338

Ion Ratio Lower Upper

75 100

77 48.2 22.1 41.1#





#42

Toluene

Concen: 1.932 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VV033309.D

Acq: 14 Dec 2023 04:43

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ClientSampleId :

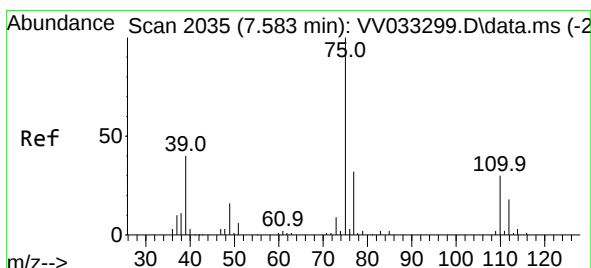
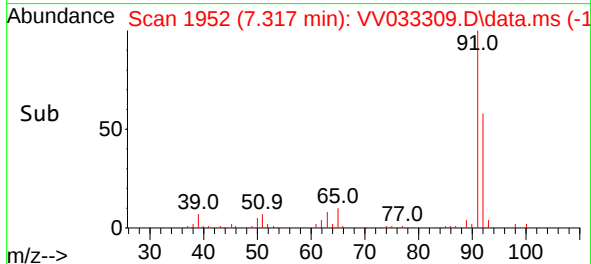
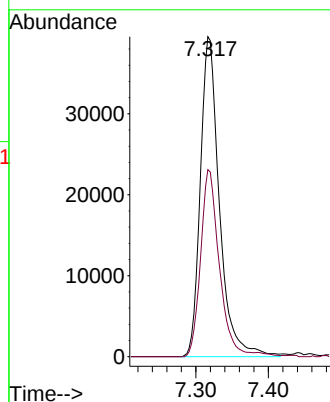
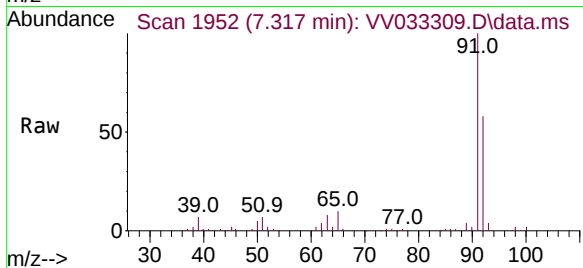
E0Y81

Tgt Ion: 91 Resp: 72145

Ion Ratio Lower Upper

91 100

92 58.4 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 7.561 min Scan# 2028

Delta R.T. -0.023 min

Lab File: VV033309.D

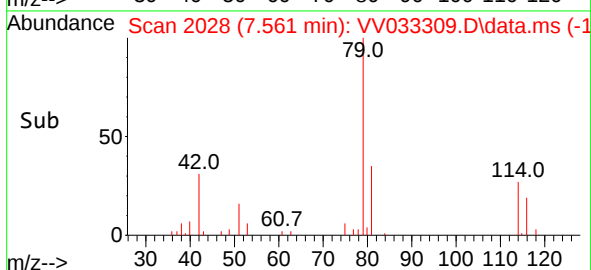
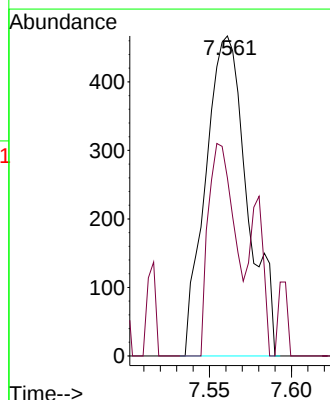
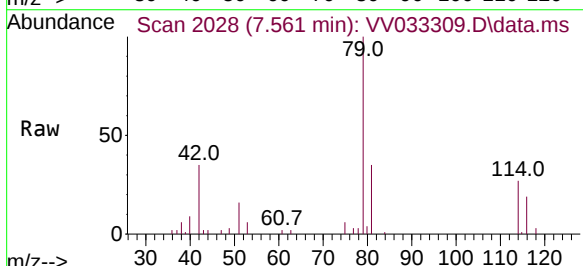
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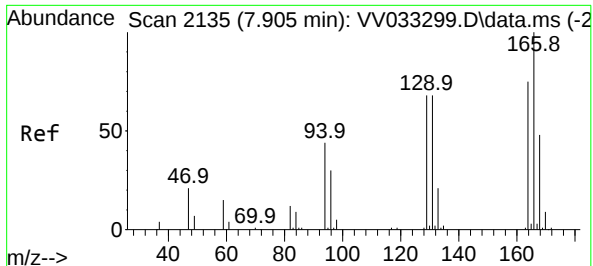
Tgt Ion: 75 Resp: 825

Ion Ratio Lower Upper

75 100

77 55.7 21.7 40.3#

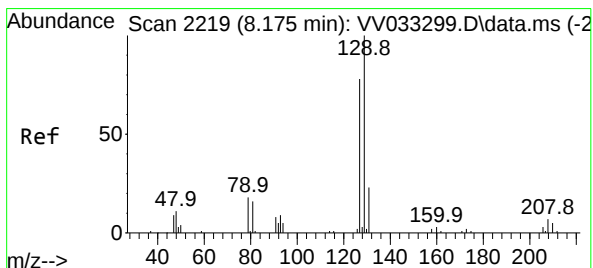
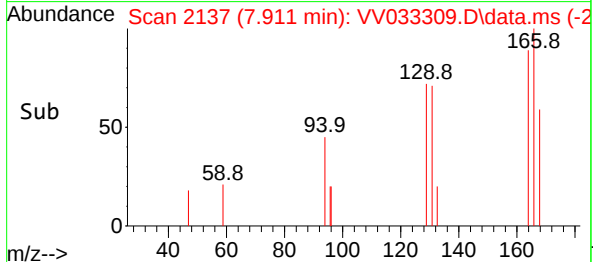
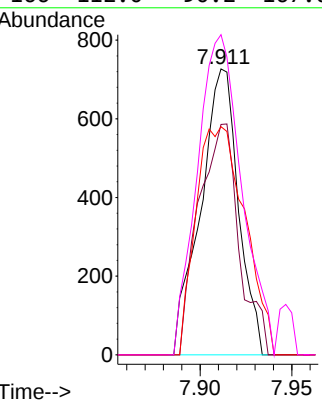
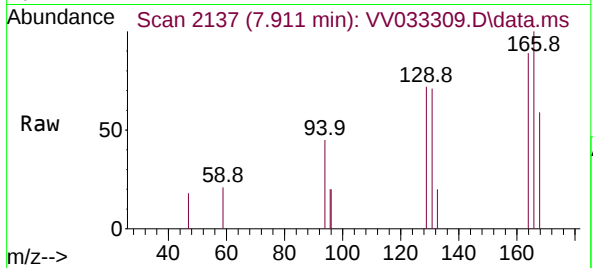




#47
Tetrachloroethene
Concen: 0.116 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. 0.006 min
Lab File: VV033309.D
Acq: 14 Dec 2023 04:43

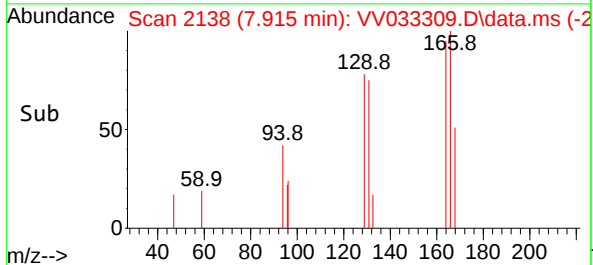
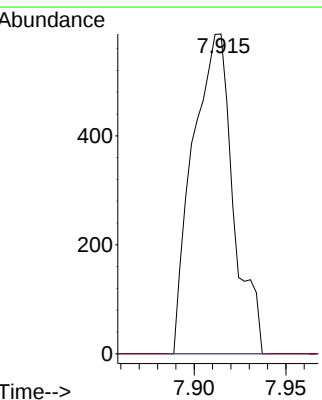
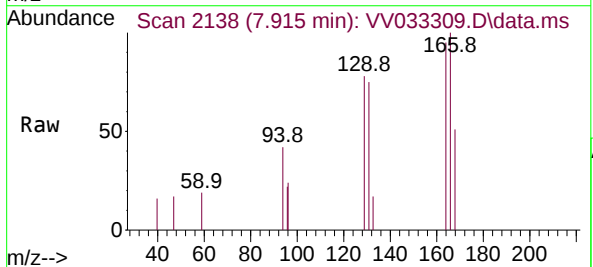
Instrument :
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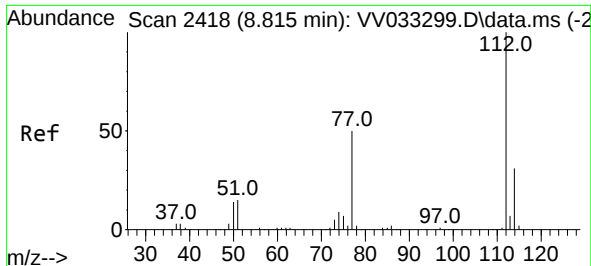
Tgt Ion:164 Resp: 1045
Ion Ratio Lower Upper
164 100
129 80.6 62.6 116.3
131 79.8 62.6 116.3
166 112.0 90.2 167.6



#49
Dibromochloromethane
Concen: 0.127 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. -0.260 min
Lab File: VV033309.D
Acq: 14 Dec 2023 04:43

Tgt Ion:129 Resp: 902
Ion Ratio Lower Upper
129 100
127 0.0 53.2 98.8#

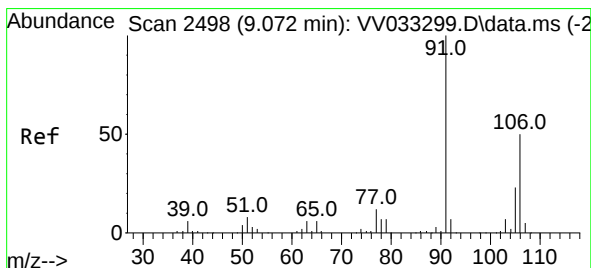
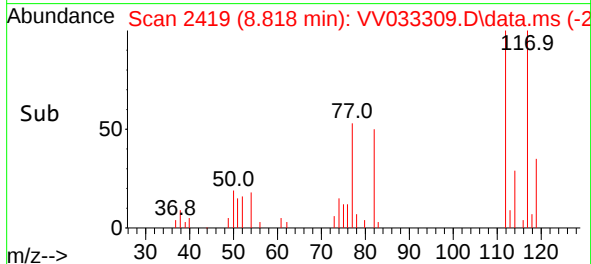
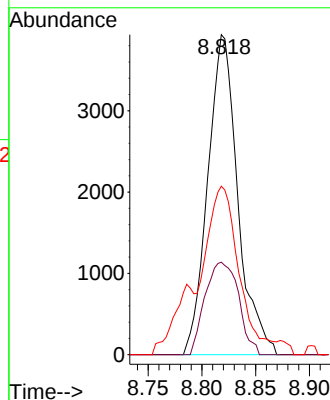
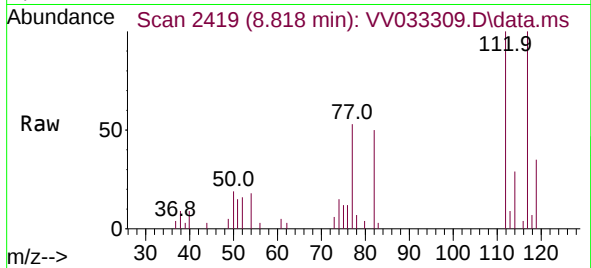




#51
Chlorobenzene
Concen: 0.299 ug/L
RT: 8.818 min Scan# 2418
Delta R.T. 0.003 min
Lab File: VV033309.D
Acq: 14 Dec 2023 04:43

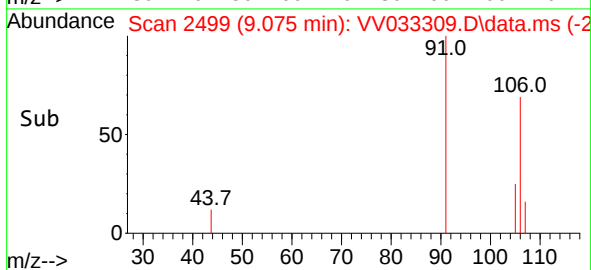
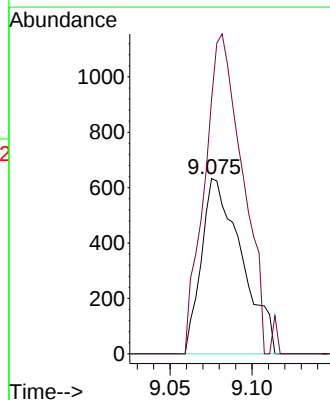
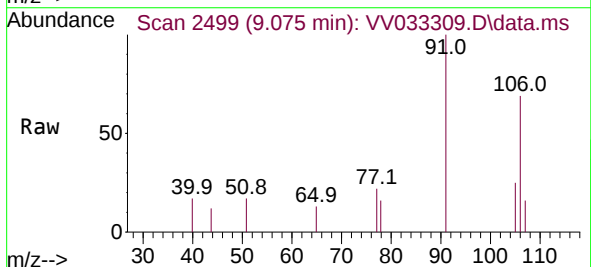
Instrument :
MSVOA_V
ClientSampleId :
E0Y81

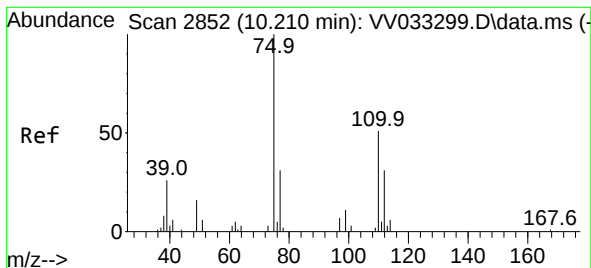
Tgt Ion:112 Resp: 7635
Ion Ratio Lower Upper
112 100
114 28.9 22.8 42.4
77 52.7 41.3 61.9



#53
m,p-Xylene
Concen: 0.063 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.003 min
Lab File: VV033309.D
Acq: 14 Dec 2023 04:43

Tgt Ion:106 Resp: 1079
Ion Ratio Lower Upper
106 100
91 145.2 136.8 254.0





#61

1,2,3-Trichloropropane

Concen: 1.691 ug/L

RT: 11.185 min Scan# 3155

Delta R.T. 0.974 min

Lab File: VV033309.D

Acq: 14 Dec 2023 04:43

Instrument :

MSVOA_V

ClientSampleId :

E0Y81

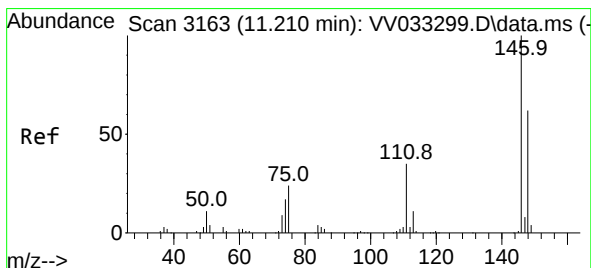
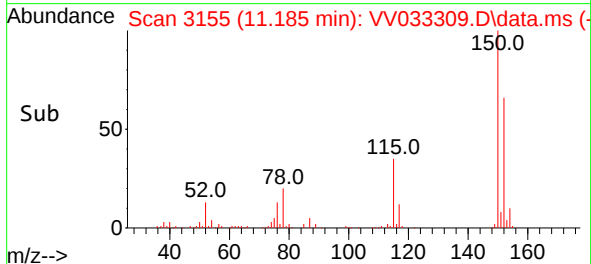
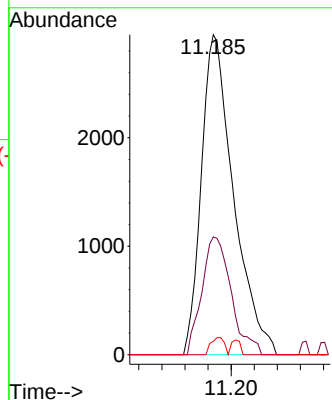
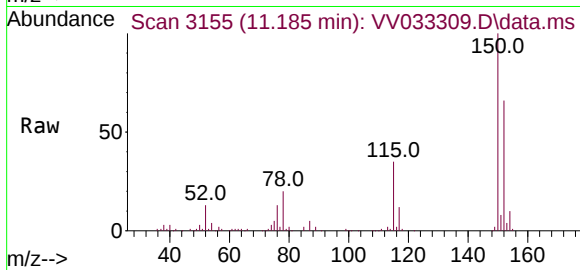
Tgt Ion: 75 Resp: 5703

Ion Ratio Lower Upper

75 100

77 33.5 27.4 41.2

110 2.2 39.4 59.2#



#65

1,4-Dichlorobenzene

Concen: 0.081 ug/L

RT: 11.217 min Scan# 3165

Delta R.T. 0.006 min

Lab File: VV033309.D

Acq: 14 Dec 2023 04:43

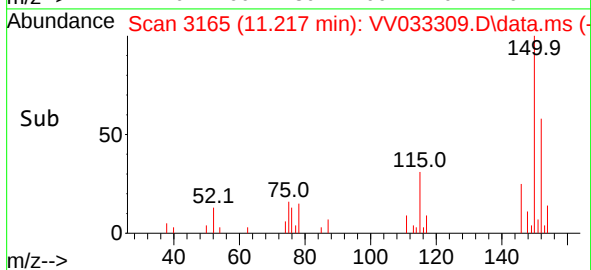
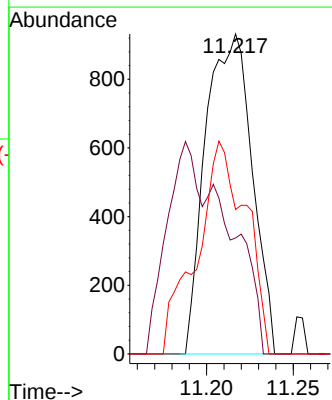
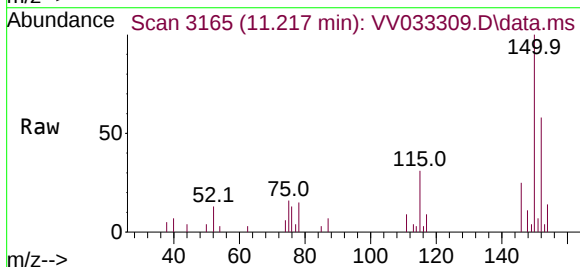
Tgt Ion: 146 Resp: 1739

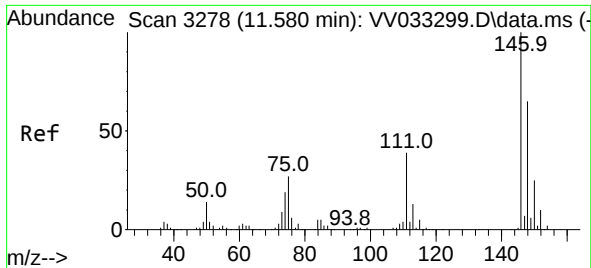
Ion Ratio Lower Upper

146 100

111 36.3 25.6 47.4

148 45.2 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 0.143 ug/L

RT: 11.583 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV033309.D

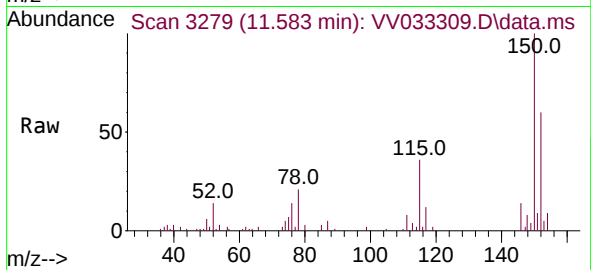
Acq: 14 Dec 2023 04:43

Instrument :

MSVOA_V

ClientSampleId :

E0Y81



Tgt Ion:146 Resp: 2637

Ion Ratio Lower Upper

146 100

111 55.1 31.0 46.4#

148 58.0 52.6 79.0

