

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW012925\
 Data File : VW031645.D
 Acq On : 29 Jan 2025 16:44
 Operator : SY/MD
 Sample : Q1189-11
 Misc : 12.71g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 30 07:33:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM011025SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Jan 30 07:28:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	107791	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	31363	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	5898	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.356	65	85849	50.755	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	203.040%#
7) Chloroethane-d5	2.893	69	78091	64.648	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	258.600%#
11) 1,1-Dichloroethene-d2	4.021	65	23059	30.640	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	122.560%#
21) 2-Butanone-d5	7.081	46	148181	544.982	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	1089.960%#
24) Chloroform-d	7.648	84	151658	54.365	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	217.440%#
26) 1,2-Dichloroethane-d4	8.300	65	78111	56.889	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	227.560%#
32) Benzene-d6	8.270	84	216678	109.987	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	439.960%#
36) 1,2-Dichloropropane-d6	9.270	67	78716	135.329	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	541.320%#
41) Toluene-d8	10.318	98	65179	36.650	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	146.600%#
43) trans-1,3-Dichloroprop...	10.574	79	5884	24.634	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.520%
47) 2-Hexanone-d5	10.922	63	32388	545.630	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	1091.260%#
56) 1,1,2,2-Tetrachloroeth...	12.684	84	33007	92.792	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	371.160%#
66) 1,2-Dichlorobenzene-d4	13.842	152	4744	22.933	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.720%
Target Compounds						
13) Acetone	4.149	43	19964	95.402	ug/L	99
15) Methyl Acetate	4.679	43	323	0.589	ug/L #	56
16) Methylene chloride	4.911	84	339	0.231	ug/L	88
19) 1,1-Dichloroethane	6.215	63	311081	107.328	ug/L	99
25) Chloroform	7.672	83	22658	8.219	ug/L	99
30) 1,1,1-Trichloroethane	7.868	97	313744	385.358	ug/L	98
31) Carbon tetrachloride	8.069	117	686	0.950	ug/L	93
37) 1,2-Dichloropropane	9.270	63	9014	16.708	ug/L #	86
46) Tetrachloroethene	10.861	164	314	0.758	ug/L	83
48) 2-Hexanone	10.928	43	3688	22.411	ug/L #	68
49) Dibromochloromethane	10.861	129	392	1.030	ug/L #	12
61) 1,2,3-Trichloropropane	12.592	75	1715	15.484	ug/L #	60
64) 1,3-Dichlorobenzene	13.488	146	184	0.450	ug/L #	80
65) 1,4-Dichlorobenzene	13.574	146	274	0.678	ug/L #	72
70) 1,2,4-trichlorobenzene	15.128	180	274	1.242	ug/L #	43
71) Naphthalene	15.366	128	985	2.381	ug/L #	94

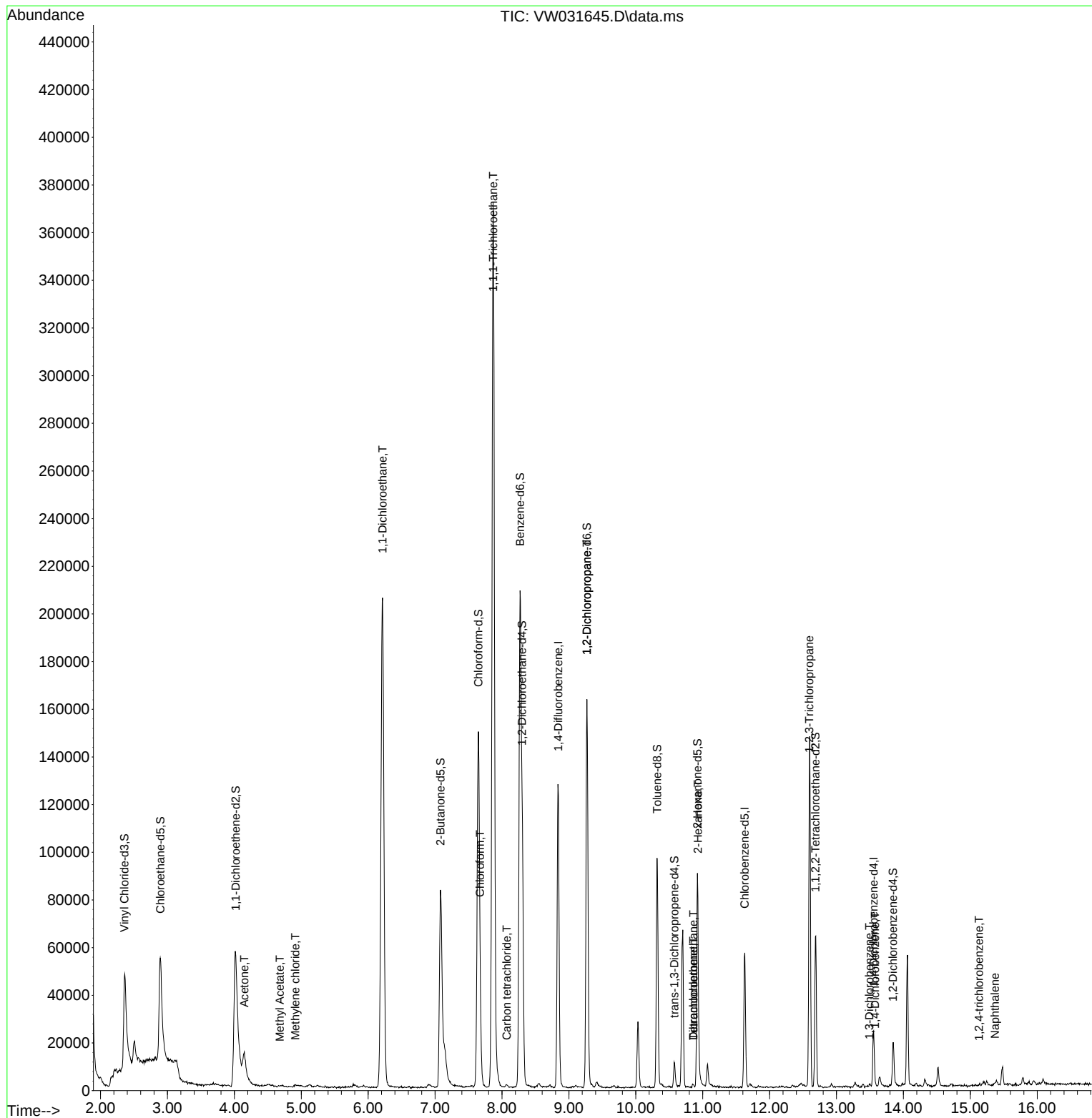
(#) = qualifier out of range (m) = manual integration (+) = signals summed

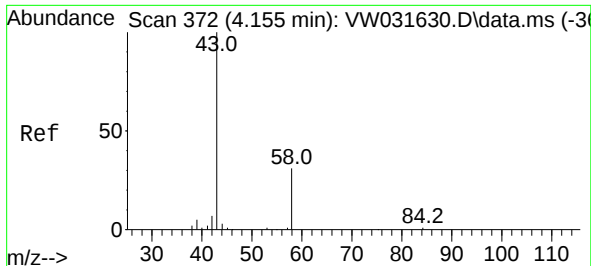
Instrument :
MSVOA_W
ClientSampleId :

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW012925\
Data File : VW031645.D
Acq On : 29 Jan 2025 16:44
Operator : SY/MD
Sample : Q1189-11
Misc : 12.71g/10mL/MSVOA_W/SOIL/A
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Jan 30 07:33:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM011025SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Jan 30 07:28:52 2025
Response via : Initial Calibration

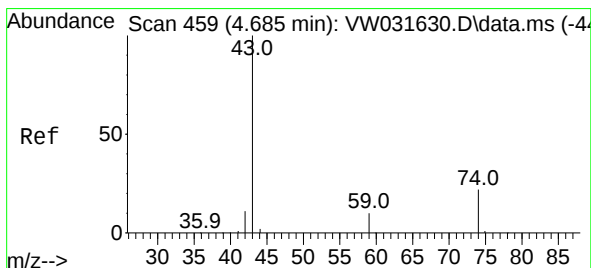
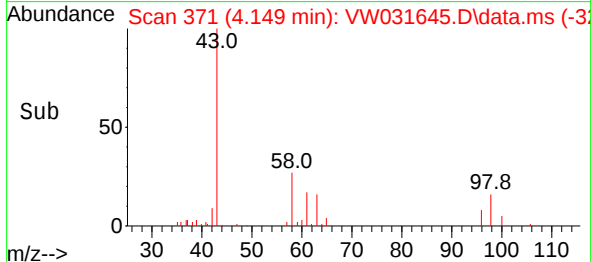
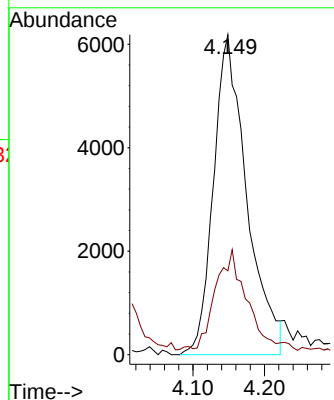
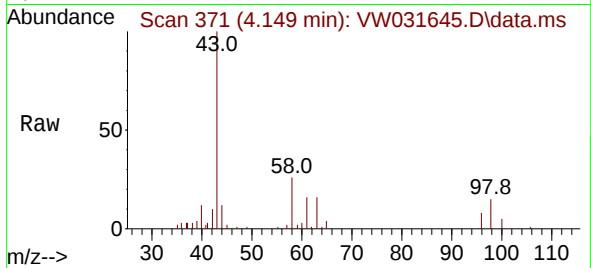




#13
Acetone
Concen: 95.402 ug/L
RT: 4.149 min Scan# 371
Delta R.T. -0.006 min
Lab File: VW031645.D
Acq: 29 Jan 2025 16:44

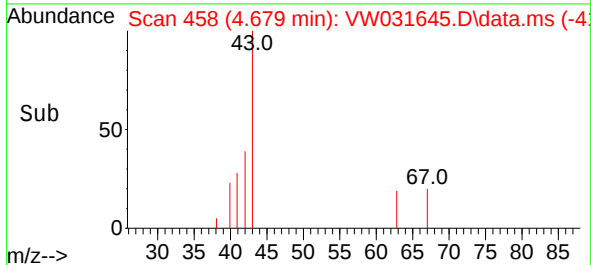
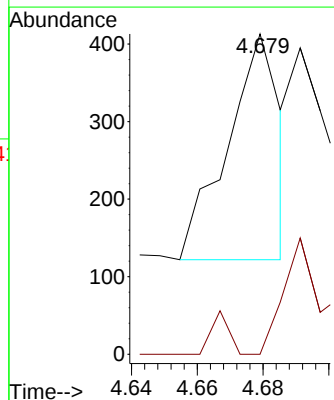
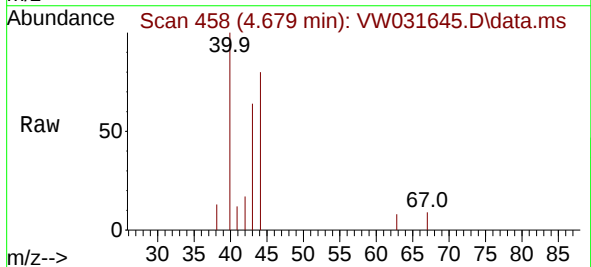
Instrument :
MSVOA_W
ClientSampleId :

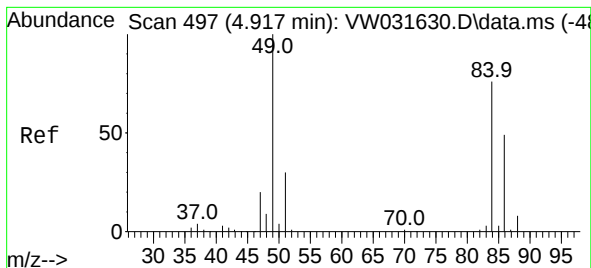
Tgt Ion: 43 Resp: 19964
Ion Ratio Lower Upper
43 100
58 14.5 0.0 28.2



#15
Methyl Acetate
Concen: 0.589 ug/L
RT: 4.679 min Scan# 458
Delta R.T. -0.006 min
Lab File: VW031645.D
Acq: 29 Jan 2025 16:44

Tgt Ion: 43 Resp: 323
Ion Ratio Lower Upper
43 100
74 30.7 10.6 15.8#





#16

Methylene chloride

Concen: 0.231 ug/L

RT: 4.911 min Scan# 496

Delta R.T. -0.006 min

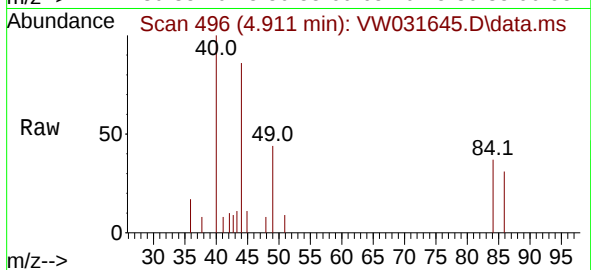
Lab File: VW031645.D

Acq: 29 Jan 2025 16:44

Instrument :

MSVOA_W

ClientSampleId :



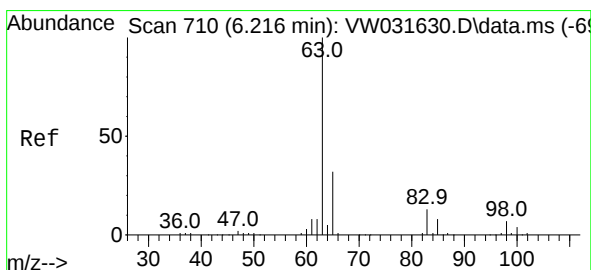
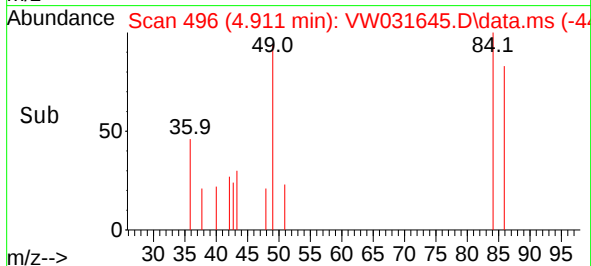
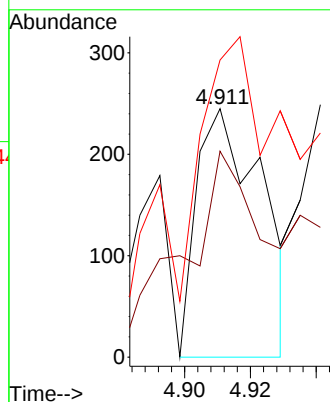
Tgt Ion: 84 Resp: 339

Ion Ratio Lower Upper

84 100

86 82.9 47.0 87.2

49 119.6 89.8 166.8



#19

1,1-Dichloroethane

Concen: 107.328 ug/L

RT: 6.215 min Scan# 710

Delta R.T. -0.000 min

Lab File: VW031645.D

Acq: 29 Jan 2025 16:44

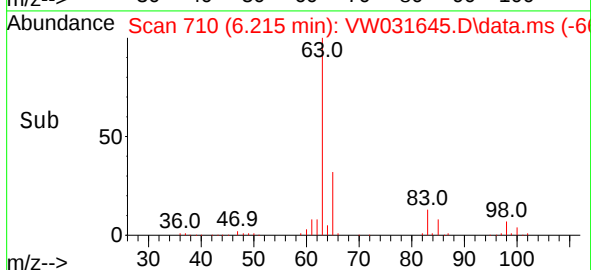
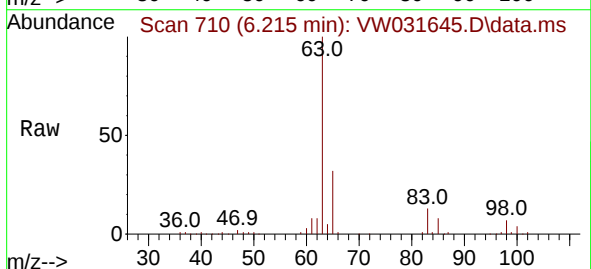
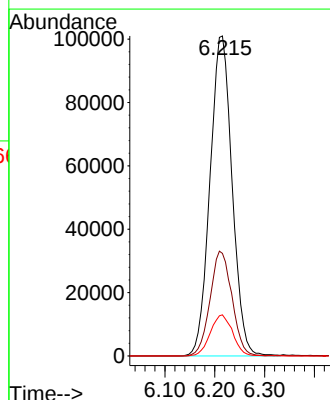
Tgt Ion: 63 Resp: 311081

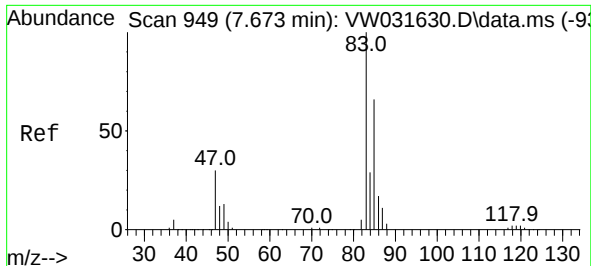
Ion Ratio Lower Upper

63 100

65 32.1 22.0 41.0

83 12.9 9.0 16.6





#25

Chloroform

Concen: 8.219 ug/L

RT: 7.672 min Scan# 949

Delta R.T. -0.000 min

Lab File: VW031645.D

Acq: 29 Jan 2025 16:44

Instrument :

MSVOA_W

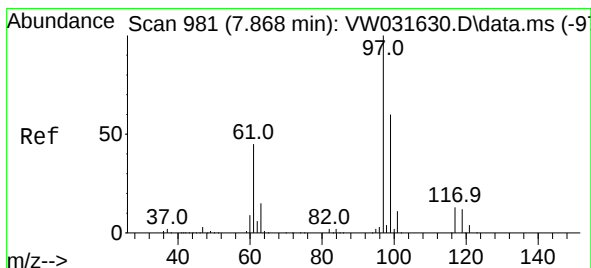
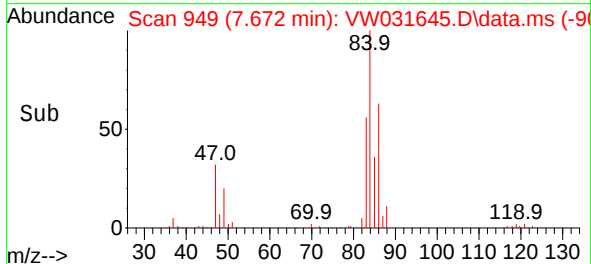
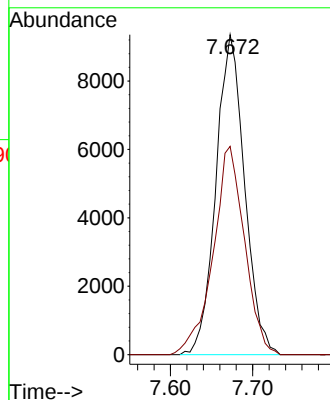
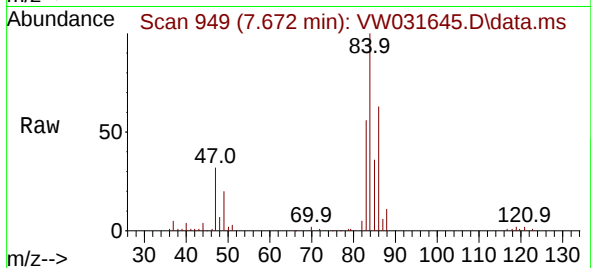
ClientSampleId :

Tgt Ion: 83 Resp: 22658

Ion Ratio Lower Upper

83 100

85 65.1 46.2 85.8



#30

1,1,1-Trichloroethane

Concen: 385.358 ug/L

RT: 7.868 min Scan# 981

Delta R.T. -0.000 min

Lab File: VW031645.D

Acq: 29 Jan 2025 16:44

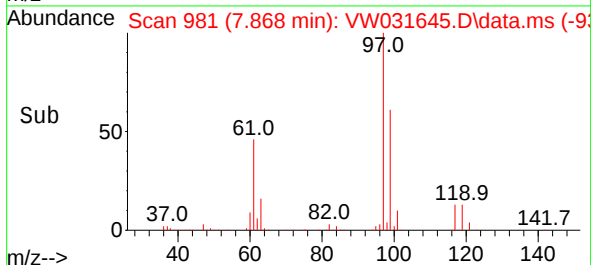
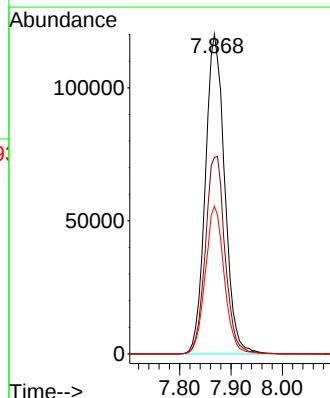
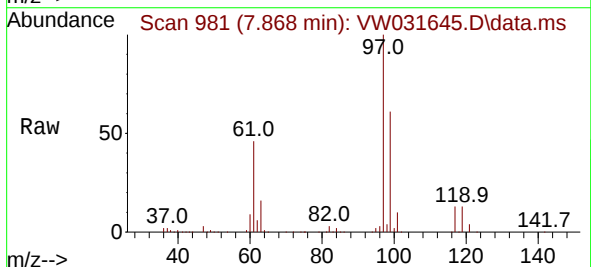
Tgt Ion: 97 Resp: 313744

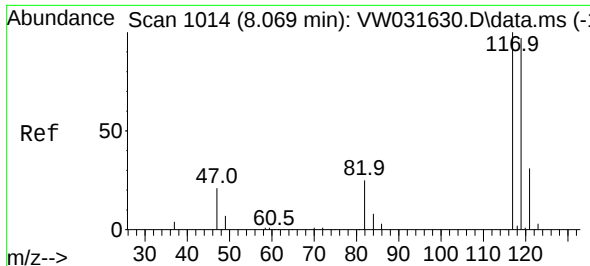
Ion Ratio Lower Upper

97 100

99 62.6 52.2 78.4

61 45.4 36.9 55.3

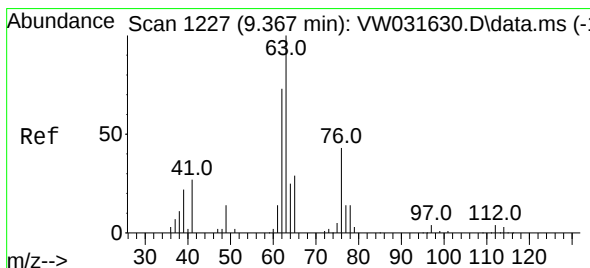
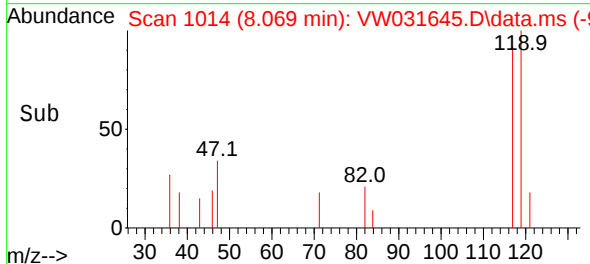
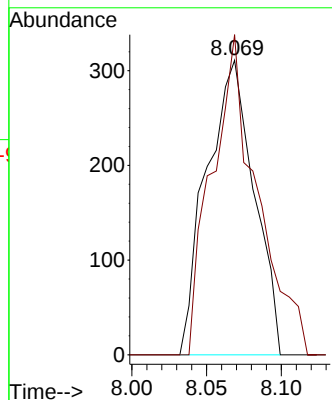
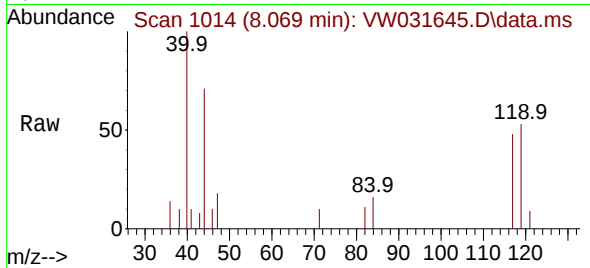




#31
Carbon tetrachloride
Concen: 0.950 ug/L
RT: 8.069 min Scan# 111
Delta R.T. -0.000 min
Lab File: VW031645.D
Acq: 29 Jan 2025 16:44

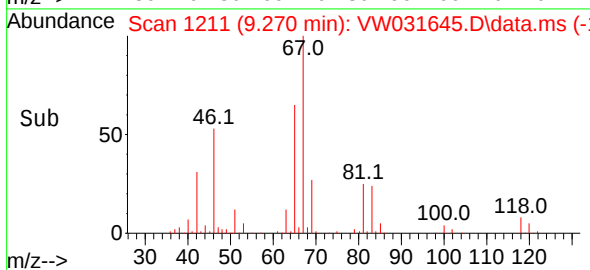
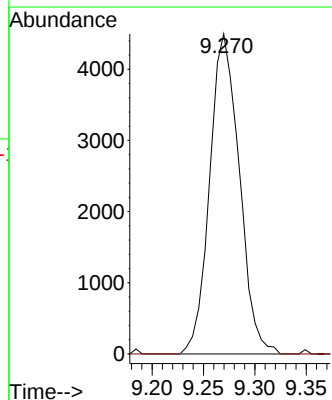
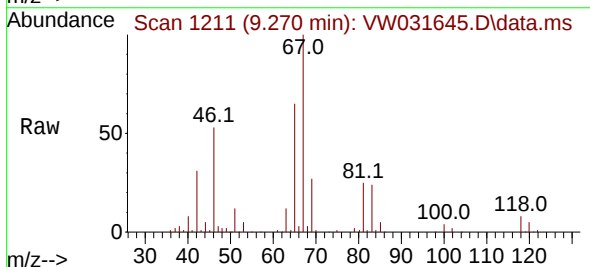
Instrument :
MSVOA_W
ClientSampleId :

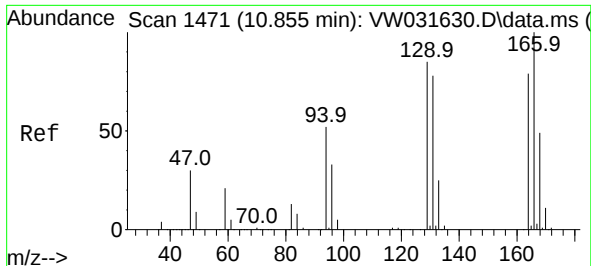
Tgt Ion:117 Resp: 686
Ion Ratio Lower Upper
117 100
119 103.8 77.4 116.0



#37
1,2-Dichloropropane
Concen: 16.708 ug/L
RT: 9.270 min Scan# 1211
Delta R.T. -0.098 min
Lab File: VW031645.D
Acq: 29 Jan 2025 16:44

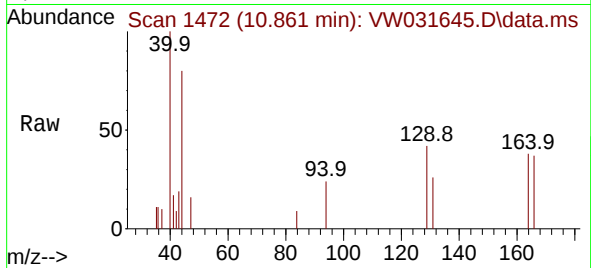
Tgt Ion: 63 Resp: 9014
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



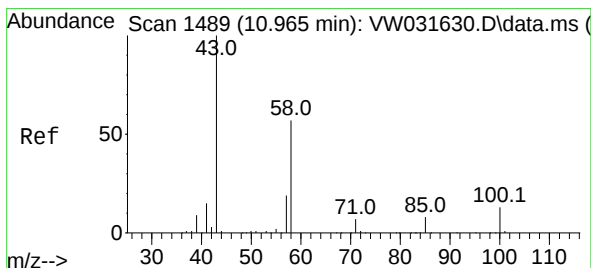
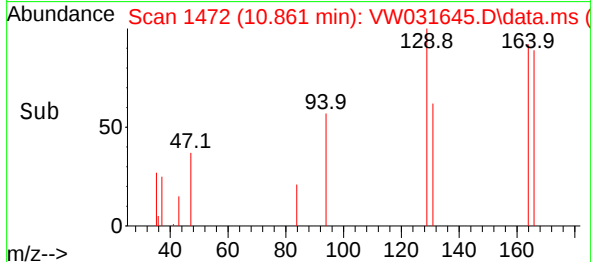
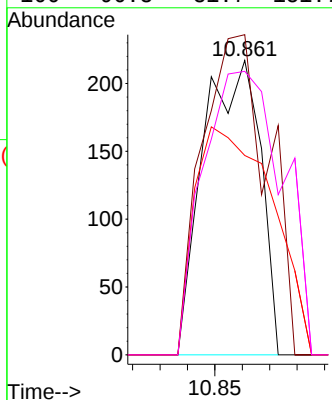


#46
Tetrachloroethene
Concen: 0.758 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VW031645.D
Acq: 29 Jan 2025 16:44

Instrument :
MSVOA_W
ClientSampleId :

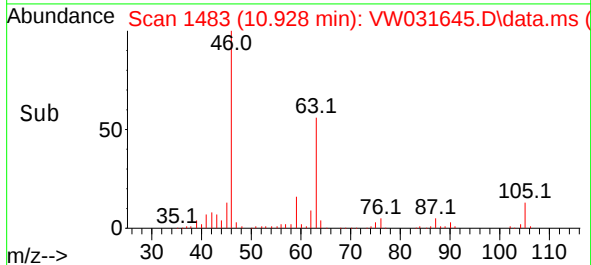
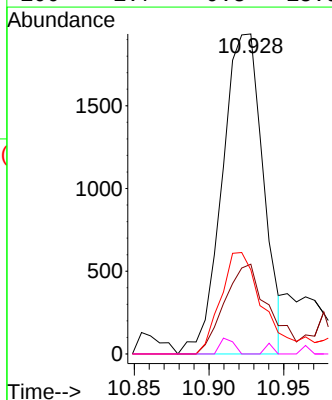
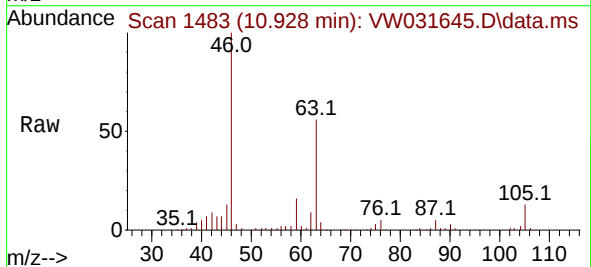


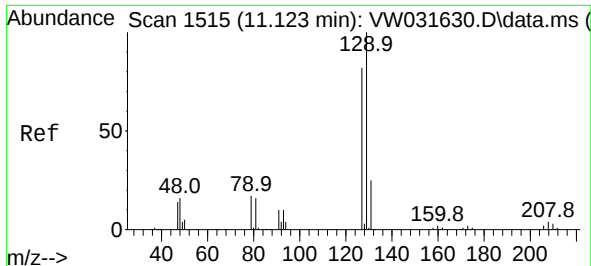
Tgt Ion:	164	Resp:	314
Ion	Ratio	Lower	Upper
164	100		
129	108.8	69.8	129.6
131	67.7	63.1	117.1
166	96.3	81.7	151.7



#48
2-Hexanone
Concen: 22.411 ug/L
RT: 10.928 min Scan# 1483
Delta R.T. -0.037 min
Lab File: VW031645.D
Acq: 29 Jan 2025 16:44

Tgt Ion:	43	Resp:	3688
Ion	Ratio	Lower	Upper
43	100		
58	30.3	44.8	67.2#
57	32.3	15.6	23.4#
100	1.7	9.3	13.9#





#49

Dibromochloromethane

Concen: 1.030 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.262 min

Lab File: VW031645.D

Acq: 29 Jan 2025 16:44

Instrument :

MSVOA_W

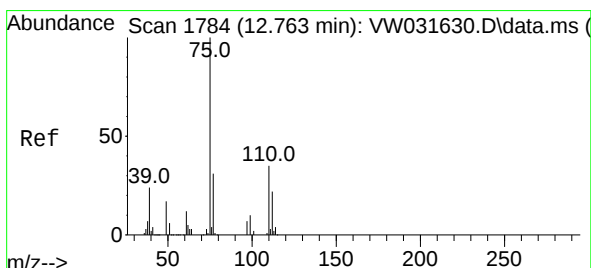
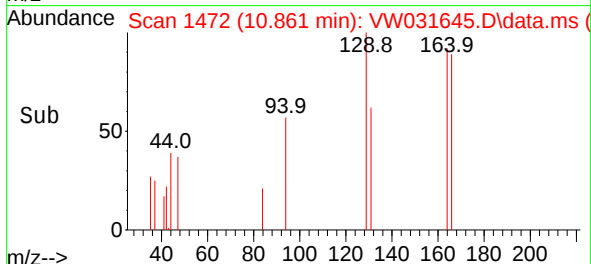
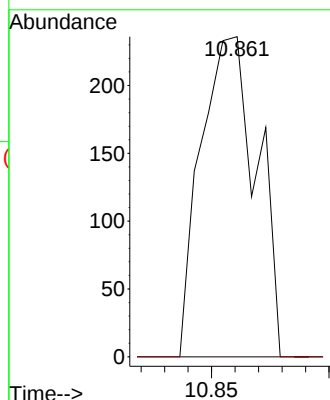
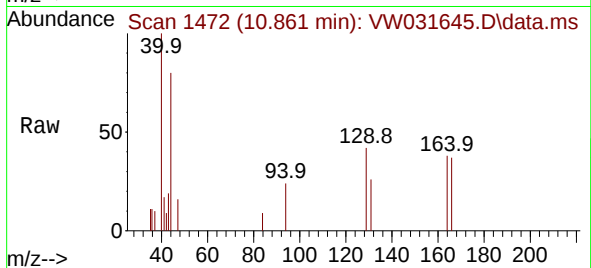
ClientSampleId :

Tgt Ion:129 Resp: 392

Ion Ratio Lower Upper

129 100

127 0.0 53.0 98.4#



#61

1,2,3-Trichloropropane

Concen: 15.484 ug/L

RT: 12.592 min Scan# 1756

Delta R.T. -0.171 min

Lab File: VW031645.D

Acq: 29 Jan 2025 16:44

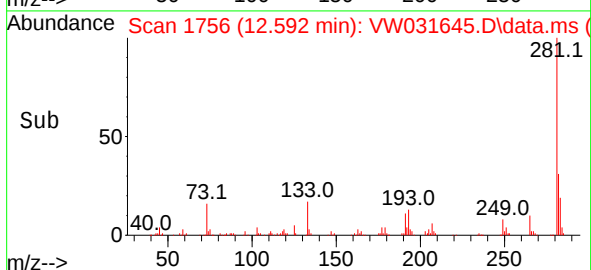
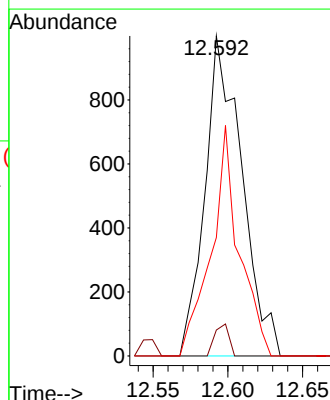
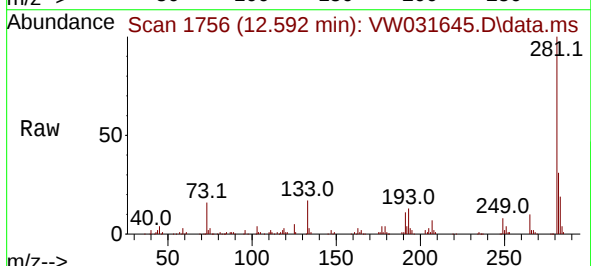
Tgt Ion: 75 Resp: 1715

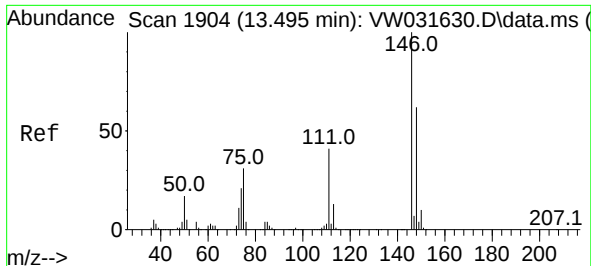
Ion Ratio Lower Upper

75 100

77 3.8 26.2 39.2#

110 54.3 29.6 44.4#





#64

1,3-Dichlorobenzene

Concen: 0.450 ug/L

RT: 13.488 min Scan# 1903

Delta R.T. -0.006 min

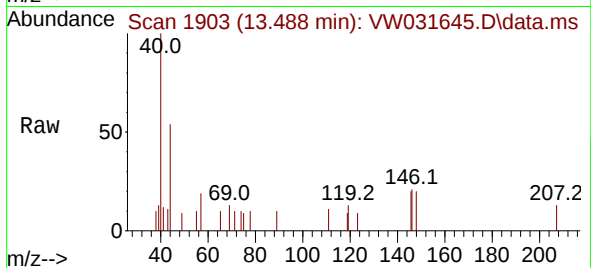
Lab File: VW031645.D

Acq: 29 Jan 2025 16:44

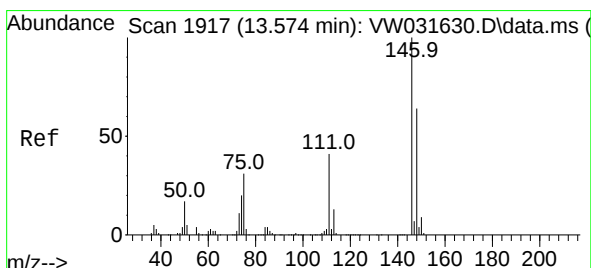
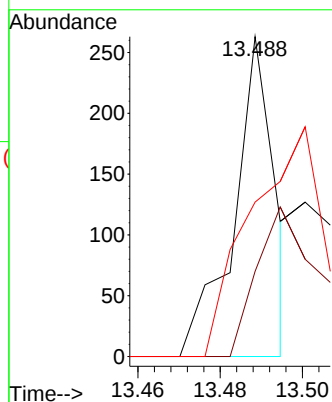
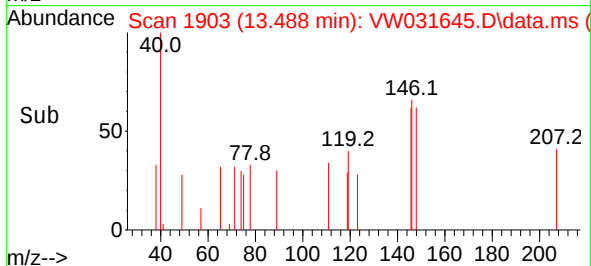
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:146	Resp:	184
Ion Ratio	Lower	Upper
146	100	
111	26.6	30.4 56.5#
148	48.3	42.1 78.1



#65

1,4-Dichlorobenzene

Concen: 0.678 ug/L

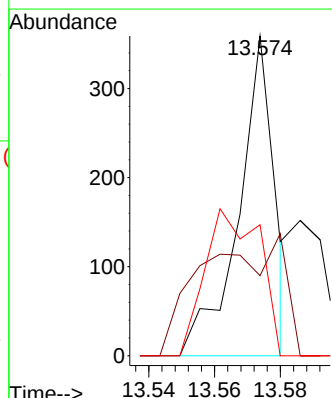
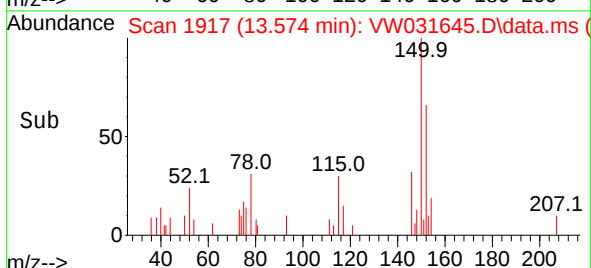
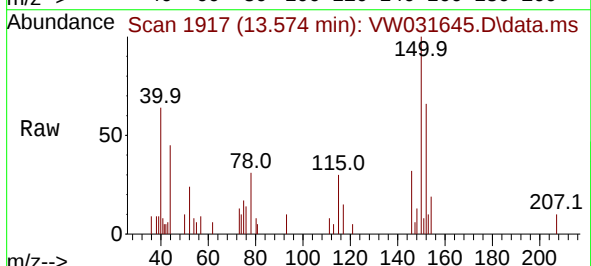
RT: 13.574 min Scan# 1917

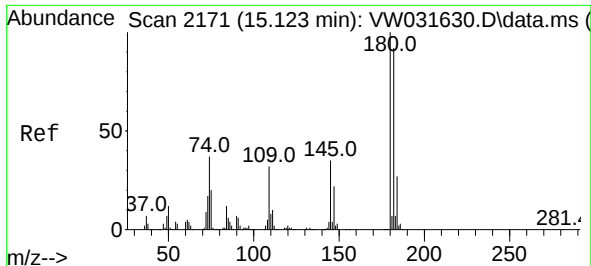
Delta R.T. -0.000 min

Lab File: VW031645.D

Acq: 29 Jan 2025 16:44

Tgt Ion:146	Resp:	274
Ion Ratio	Lower	Upper
146	100	
111	25.1	28.5 52.9#
148	40.9	45.4 84.4#





#70

1,2,4-trichlorobenzene

Concen: 1.242 ug/L

RT: 15.128 min Scan# 2171

Delta R.T. 0.006 min

Lab File: VW031645.D

Acq: 29 Jan 2025 16:44

Instrument :

MSVOA_W

ClientSampleId :

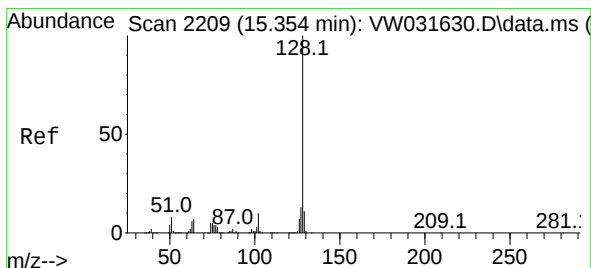
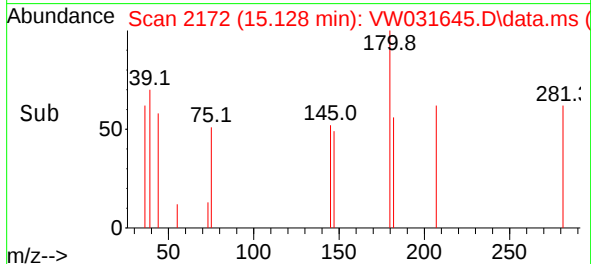
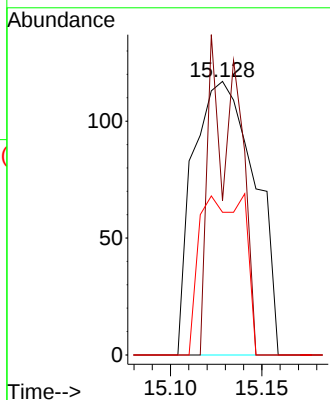
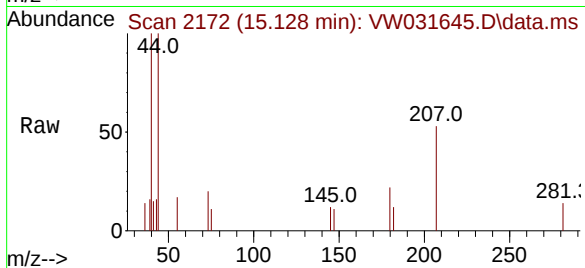
Tgt Ion:180 Resp: 274

Ion Ratio Lower Upper

180 100

182 27.0 77.7 116.5#

145 25.2 26.6 39.8#



#71

Naphthalene

Concen: 2.381 ug/L

RT: 15.366 min Scan# 2211

Delta R.T. 0.012 min

Lab File: VW031645.D

Acq: 29 Jan 2025 16:44

Tgt Ion:128 Resp: 985

Ion Ratio Lower Upper

128 100

127 14.3 10.4 15.6

129 7.1 8.7 13.1#

