

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121923\
 Data File : VU057045.D
 Acq On : 19 Dec 2023 15:34
 Operator : MD/SY
 Sample : 05771-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E0YA5

Quant Time: Dec 20 04:57:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 20 04:54:16 2023
 Response via : Initial Calibration

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

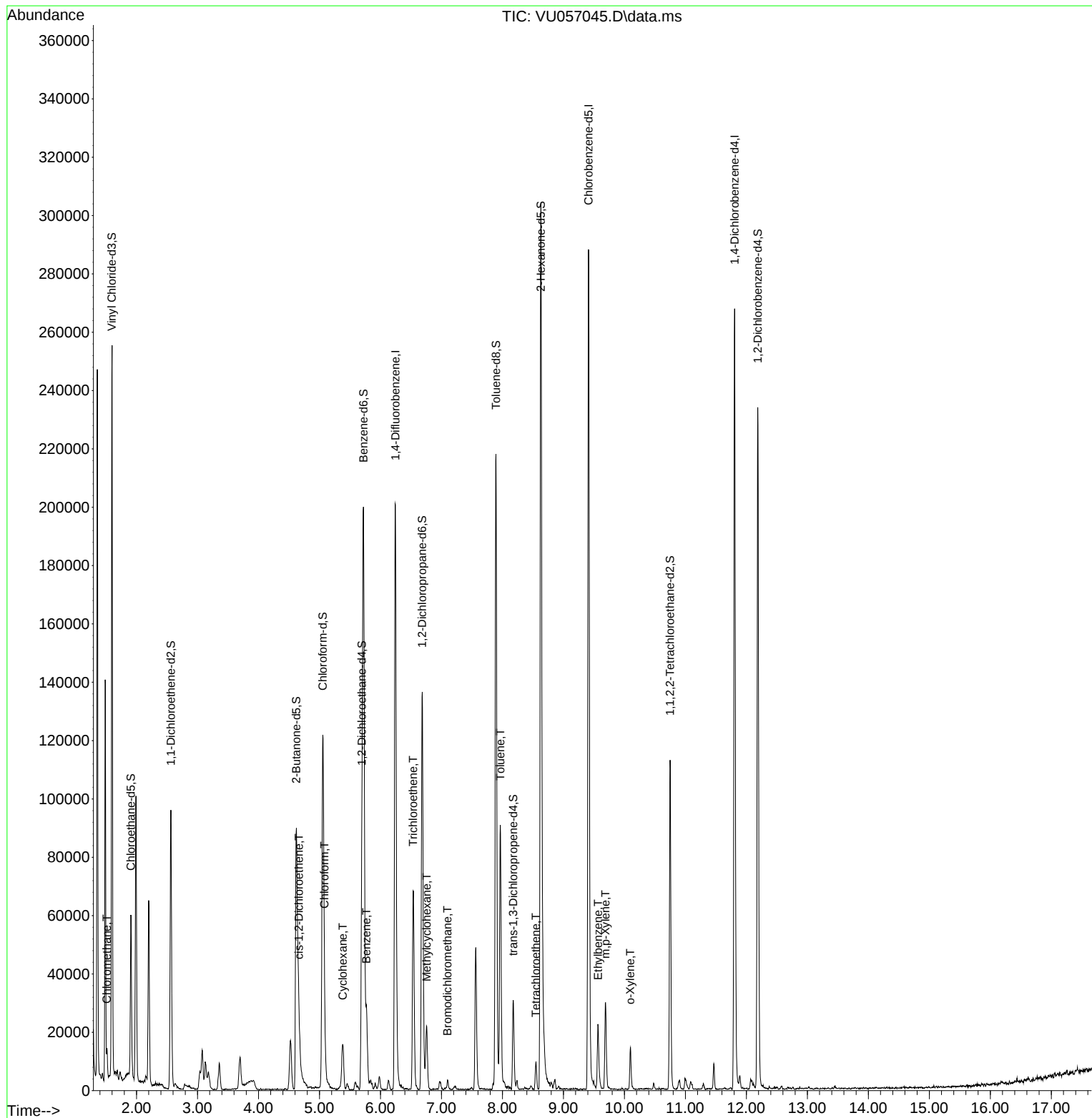
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	163414	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	167376	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	71837	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	42567	3.039	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	60.800%
7) Chloroethane-d5	1.907	69	40647	3.878	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.600%
11) 1,1-Dichloroethene-d2	2.563	65	19362	3.231	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.600%
20) 2-Butanone-d5	4.621	46	134460	48.608	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.220%
24) Chloroform-d	5.055	84	111574	4.206	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.200%
26) 1,2-Dichloroethane-d4	5.695	65	59385	4.731	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.600%
32) Benzene-d6	5.721	84	194398	3.745	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.800%
36) 1,2-Dichloropropane-d6	6.685	67	65113	4.007	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.200%
41) Toluene-d8	7.894	98	150724	3.248	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	65.000%#
43) trans-1,3-Dichloroprop...	8.177	79	19364	3.073	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	61.400%
46) 2-Hexanone-d5	8.630	63	102016	42.924	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.840%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	55266	4.701	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	60043	4.252	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.000%
Target Compounds						Qvalue
3) Chloromethane	1.515	50	5030	0.299	ug/L	93
22) cis-1,2-Dichloroethene	4.663	96	5484	0.375	ug/L	87
25) Chloroform	5.081	83	14392	0.531	ug/L	97
30) Cyclohexane	5.383	56	7713	0.340	ug/L #	95
33) Benzene	5.772	78	25150	0.428	ug/L	100
34) Trichloroethene	6.537	95	25293	1.568	ug/L	94
35) Methylcyclohexane	6.756	83	8090	0.340	ug/L	100
38) Bromodichloromethane	7.100	83	2526	0.132	ug/L	95
42) Toluene	7.965	91	69037	1.134	ug/L	99
47) Tetrachloroethene	8.550	164	2241	0.198	ug/L	86
52) Ethylbenzene	9.566	91	15987	0.238	ug/L	94
53) m,p-Xylene	9.688	106	8892	0.355	ug/L	95
54) o-Xylene	10.097	106	3922	0.165	ug/L	98

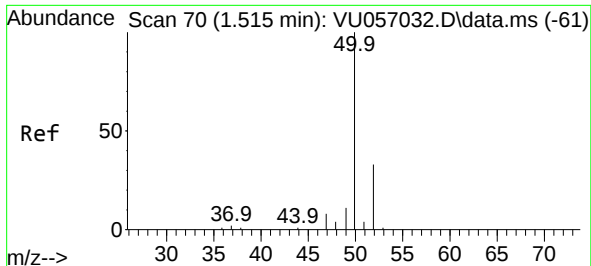
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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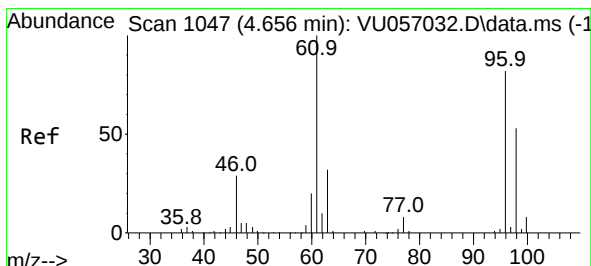
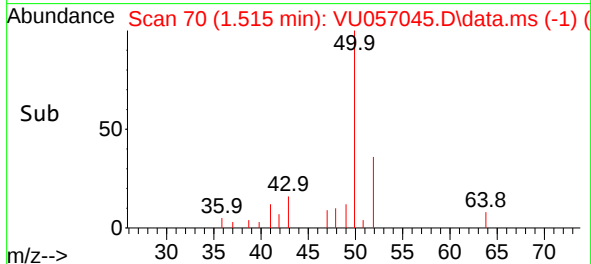
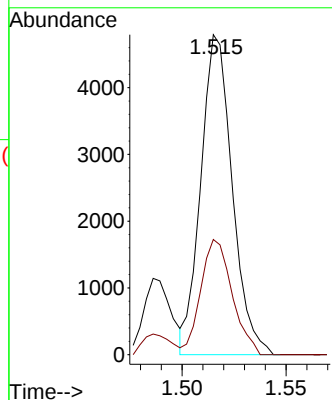
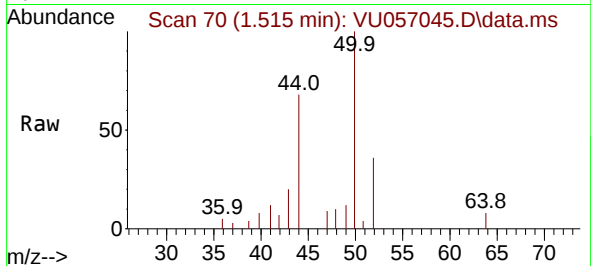




#3
Chloromethane
Concen: 0.299 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.000 min
Lab File: VU057045.D
Acq: 19 Dec 2023 15:34

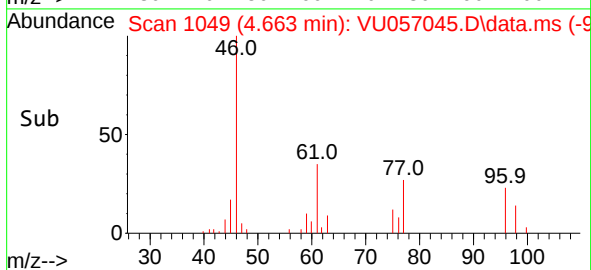
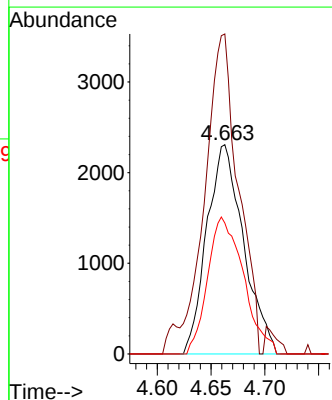
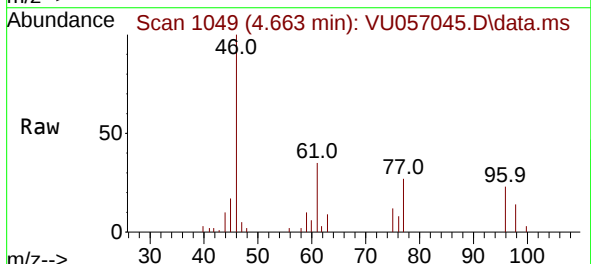
Instrument :
MSVOA_U
ClientSampleId :
E0YA5

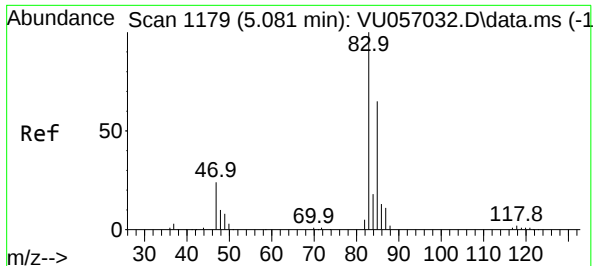
Tgt Ion: 50 Resp: 5030
Ion Ratio Lower Upper
50 100
52 36.0 22.5 41.7



#22
cis-1,2-Dichloroethene
Concen: 0.375 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. 0.006 min
Lab File: VU057045.D
Acq: 19 Dec 2023 15:34

Tgt Ion: 96 Resp: 5484
Ion Ratio Lower Upper
96 100
61 152.9 91.3 169.6
98 62.5 44.2 82.0





#25

Chloroform

Concen: 0.531 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VU057045.D

Acq: 19 Dec 2023 15:34

Instrument :

MSVOA_U

ClientSampleId :

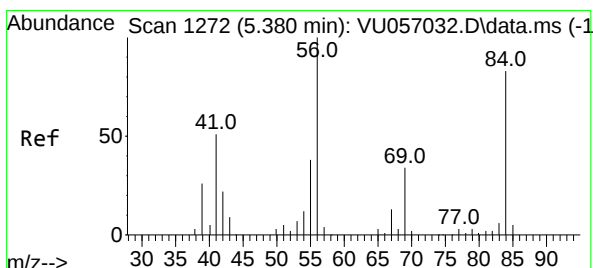
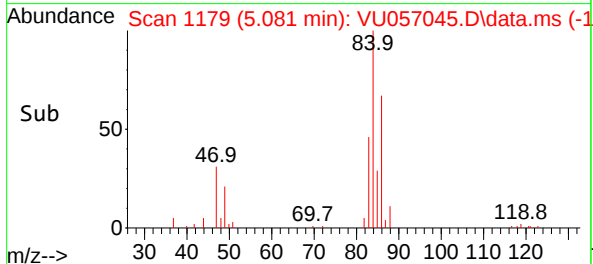
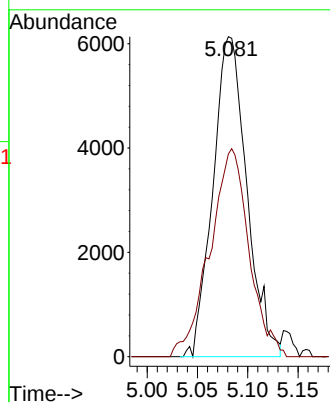
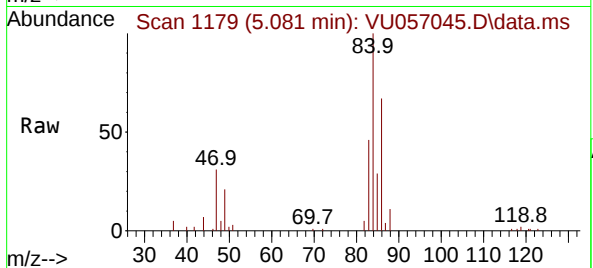
E0YA5

Tgt Ion: 83 Resp: 14392

Ion Ratio Lower Upper

83 100

85 63.4 45.8 85.0



#30

Cyclohexane

Concen: 0.340 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. 0.003 min

Lab File: VU057045.D

Acq: 19 Dec 2023 15:34

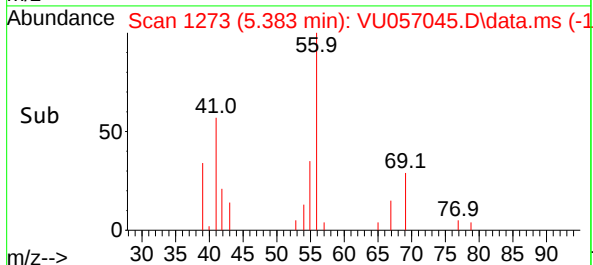
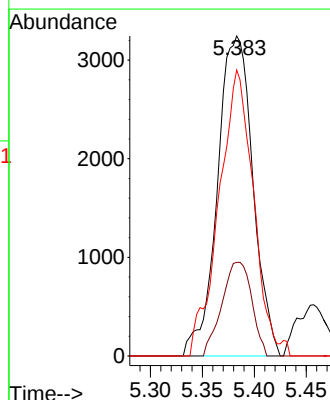
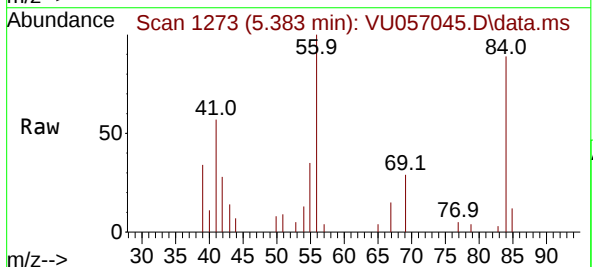
Tgt Ion: 56 Resp: 7713

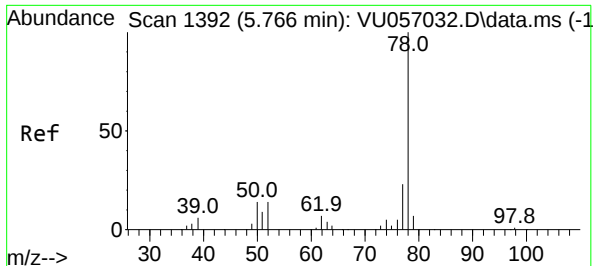
Ion Ratio Lower Upper

56 100

69 24.6 24.9 37.3#

84 87.0 67.6 101.4





#33

Benzene

Concen: 0.428 ug/L

RT: 5.772 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU057045.D

Acq: 19 Dec 2023 15:34

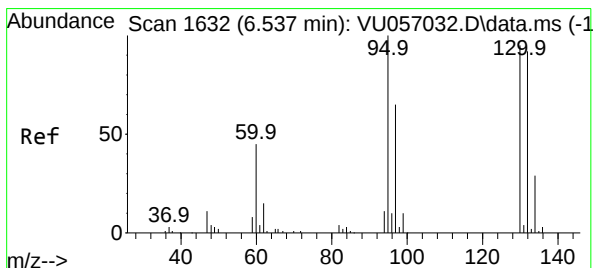
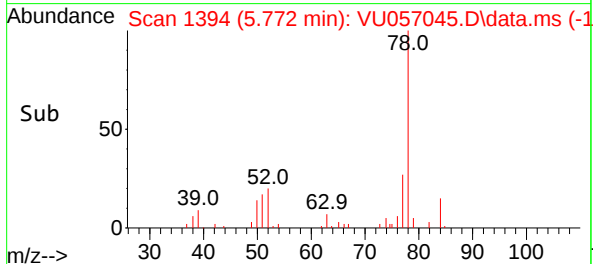
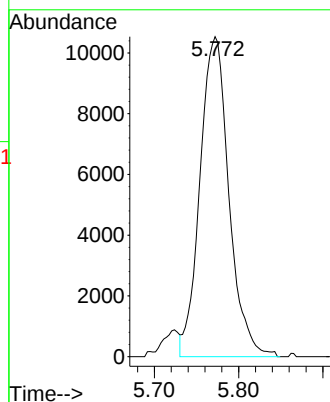
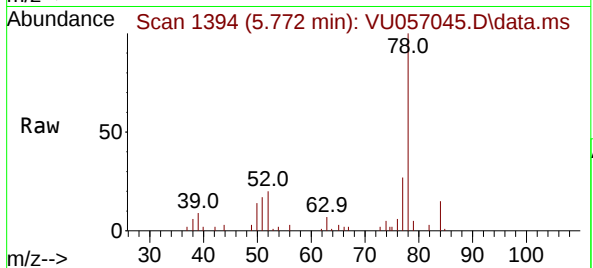
Instrument :

MSVOA_U

ClientSampleId :

E0YA5

Tgt Ion: 78 Resp: 25150



#34

Trichloroethene

Concen: 1.568 ug/L

RT: 6.537 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VU057045.D

Acq: 19 Dec 2023 15:34

Tgt Ion: 95 Resp: 25293

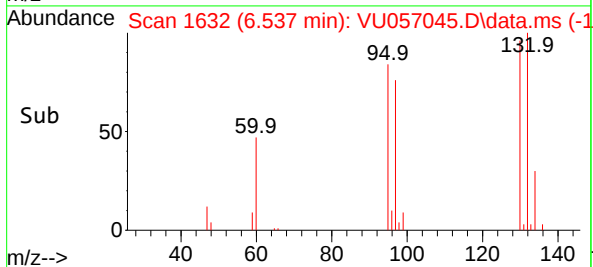
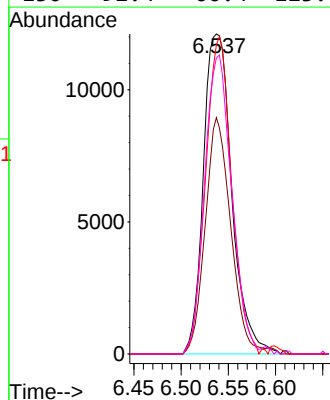
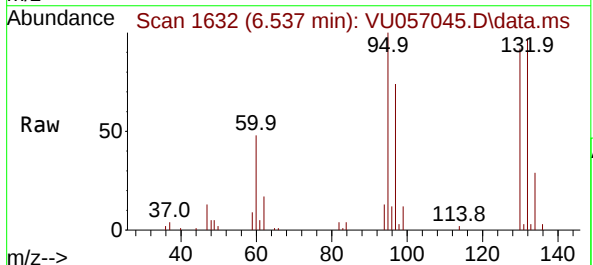
Ion Ratio Lower Upper

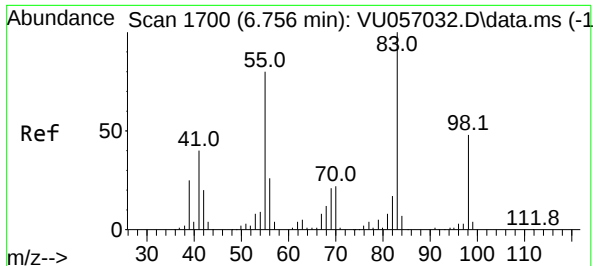
95 100

97 73.8 46.1 85.5

132 96.5 63.6 118.0

130 92.4 66.4 123.4





#35

Methylcyclohexane

Concen: 0.340 ug/L

RT: 6.756 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU057045.D

Acq: 19 Dec 2023 15:34

Instrument :

MSVOA_U

ClientSampleId :

E0YA5

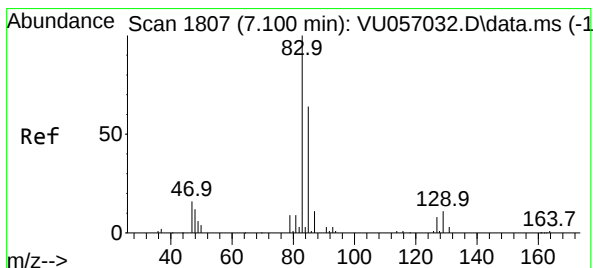
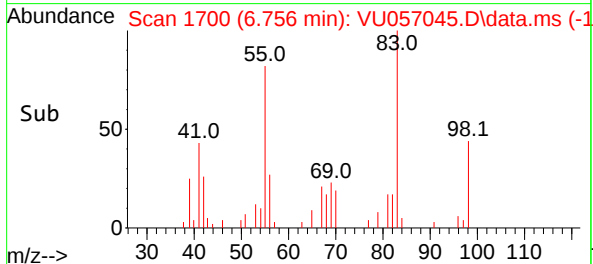
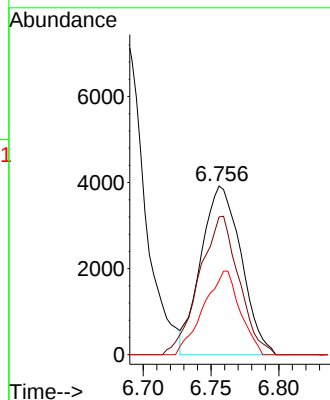
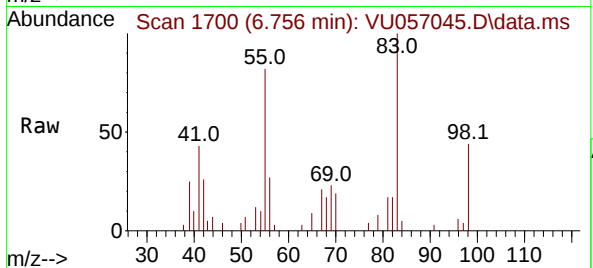
Tgt Ion: 83 Resp: 8090

Ion Ratio Lower Upper

83 100

55 80.9 64.6 97.0

98 44.9 36.1 54.1



#38

Bromodichloromethane

Concen: 0.132 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VU057045.D

Acq: 19 Dec 2023 15:34

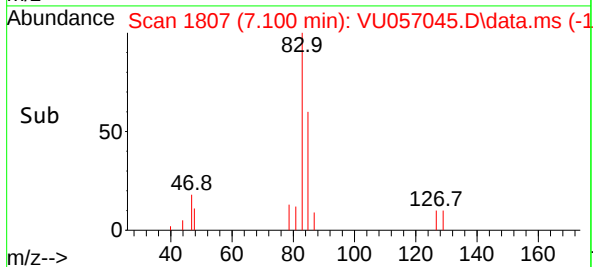
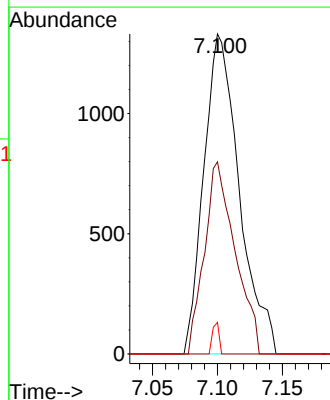
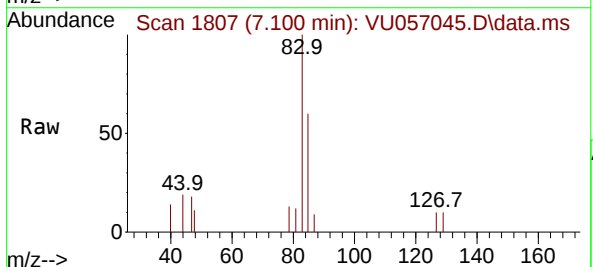
Tgt Ion: 83 Resp: 2526

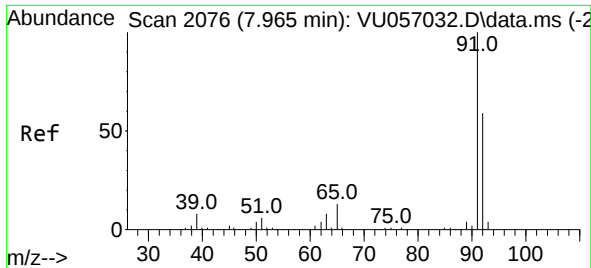
Ion Ratio Lower Upper

83 100

85 60.0 45.0 83.6

127 9.8 7.0 10.4





#42

Toluene

Concen: 1.134 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU057045.D

Acq: 19 Dec 2023 15:34

Instrument :

MSVOA_U

ClientSampleId :

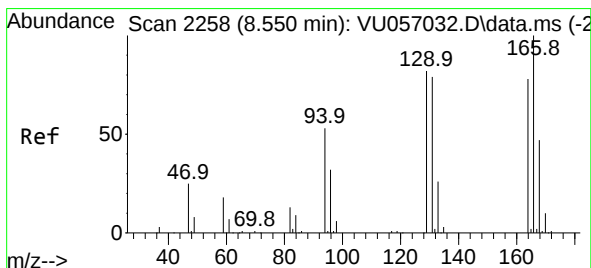
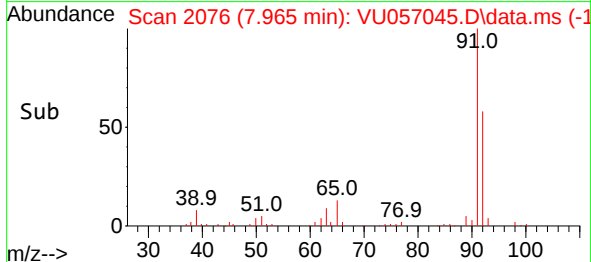
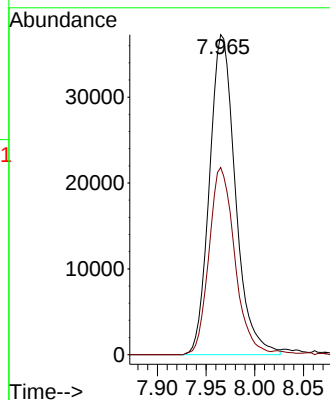
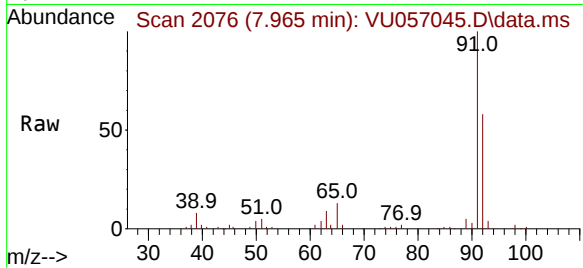
E0YA5

Tgt Ion: 91 Resp: 69037

Ion Ratio Lower Upper

91 100

92 58.5 40.4 75.0



#47

Tetrachloroethene

Concen: 0.198 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. -0.000 min

Lab File: VU057045.D

Acq: 19 Dec 2023 15:34

Tgt Ion: 164 Resp: 2241

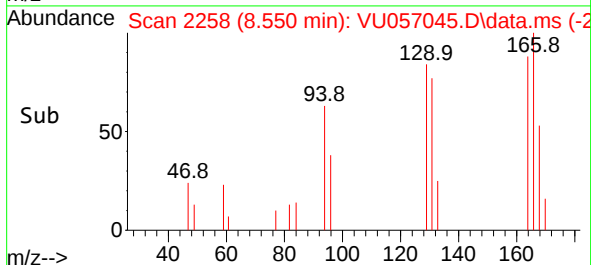
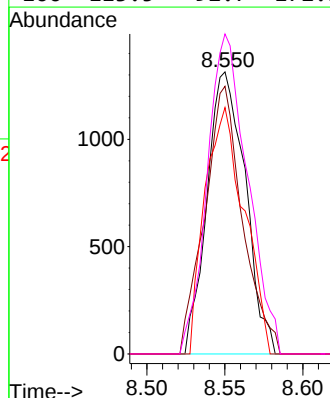
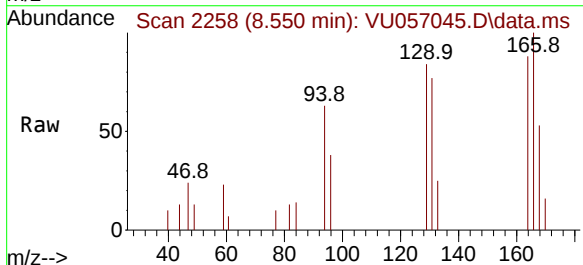
Ion Ratio Lower Upper

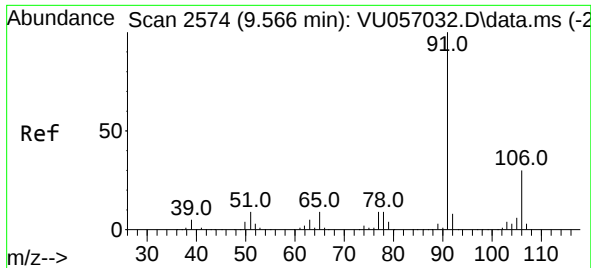
164 100

129 94.9 73.4 136.4

131 87.4 71.5 132.9

166 113.5 92.7 172.1

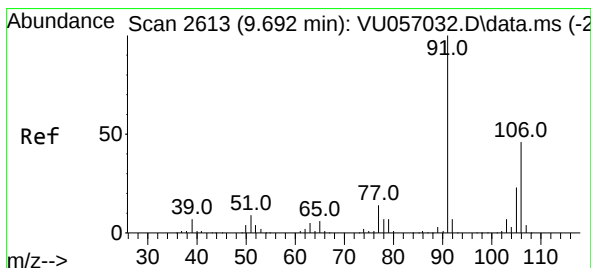
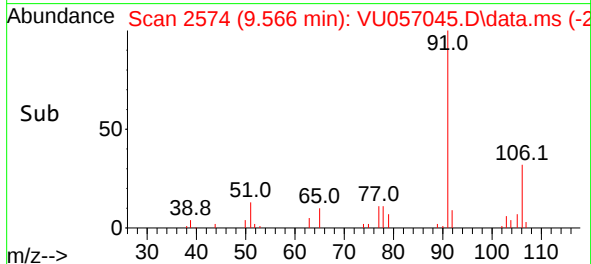
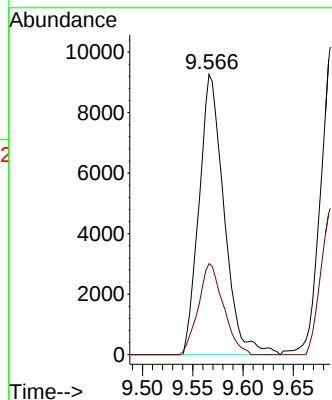
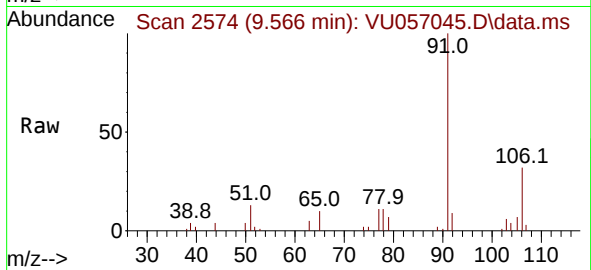




#52
Ethylbenzene
Concen: 0.238 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU057045.D
Acq: 19 Dec 2023 15:34

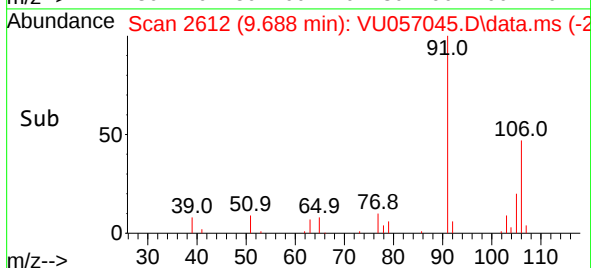
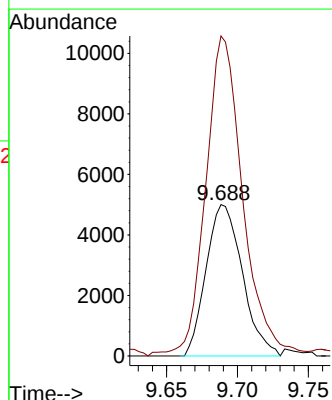
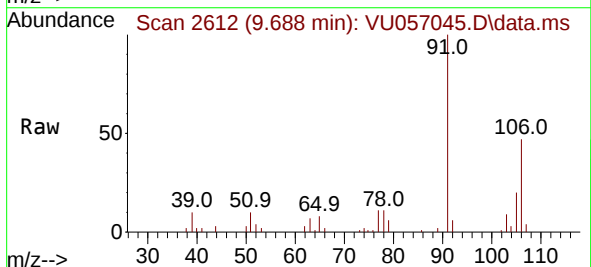
Instrument :
MSVOA_U
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E0YA5

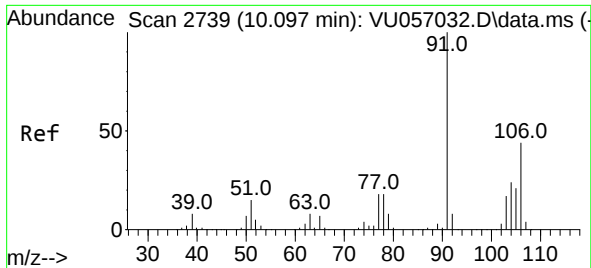
Tgt Ion: 91 Resp: 15987
Ion Ratio Lower Upper
91 100
106 32.5 20.6 38.4



#53
m,p-Xylene
Concen: 0.355 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU057045.D
Acq: 19 Dec 2023 15:34

Tgt Ion: 106 Resp: 8892
Ion Ratio Lower Upper
106 100
91 211.4 154.0 286.0





#54
o-Xylene
Concen: 0.165 ug/L
RT: 10.097 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU057045.D
Acq: 19 Dec 2023 15:34

Instrument :
MSVOA_U
ClientSampleId :
E0YA5

Tgt Ion:106 Resp: 3922
Ion Ratio Lower Upper
106 100
91 232.3 160.2 297.6

