

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072924\
 Data File : VU060256.D
 Acq On : 29 Jul 2024 17:14
 Operator : MD/SY
 Sample : P3344-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 30 04:24:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jul 30 04:21:24 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	137268	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	150560	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	62363	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	34942	3.659	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.200%
7) Chloroethane-d5	1.911	69	35713	4.025	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.600%
11) 1,1-Dichloroethene-d2	2.560	65	13333	3.576	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.600%
20) 2-Butanone-d5	4.621	46	153598	68.789	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	137.580%#
24) Chloroform-d	5.055	84	93953	4.681	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.600%
26) 1,2-Dichloroethane-d4	5.695	65	45746	4.895	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.800%
32) Benzene-d6	5.721	84	154119	3.821	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.400%
36) 1,2-Dichloropropane-d6	6.685	67	59452	4.625	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.600%
41) Toluene-d8	7.894	98	112468	3.086	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	61.800%#
43) trans-1,3-Dichloroprop...	8.177	79	17824	4.074	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.400%
46) 2-Hexanone-d5	8.627	63	113767	58.593	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.180%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	57856	5.057	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	54020	4.799	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.518	50	1588	0.127	ug/L #	66
5) Vinyl chloride	1.602	62	47126	3.353	ug/L	99
12) 1,1-Dichloroethene	2.573	96	10678	1.019	ug/L #	19
13) Acetone	2.640	43	10596	7.174	ug/L	94
16) Methylene chloride	3.039	84	24733	1.925	ug/L	95
18) trans-1,2-Dichloroethene	3.351	96	6229	0.572	ug/L	89
22) cis-1,2-Dichloroethene	4.656	96	363269	29.759	ug/L	94
25) Chloroform	5.081	83	132784	5.835	ug/L	99
34) Trichloroethene	6.534	95	84877	6.434	ug/L	93
37) 1,2-Dichloropropane	6.682	63	5939	0.442	ug/L #	88
40) 4-Methyl-2-pentanone	7.791	43	5170	0.870	ug/L #	84
42) Toluene	7.965	91	515921	9.747	ug/L	99
45) 1,1,2-Trichloroethane	8.544	97	3215	0.313	ug/L #	1
47) Tetrachloroethene	8.547	164	417787	38.305	ug/L	96
49) Dibromochloromethane	8.547	129	404764	35.636	ug/L #	10
52) Ethylbenzene	9.569	91	4465	0.085	ug/L	99
53) m,p-Xylene	9.692	106	4502	0.221	ug/L	98
61) 1,2,3-Trichloropropane	11.807	75	7564	1.150	ug/L #	65

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Jul 30 04:21:24 2024
Response via : Initial Calibration

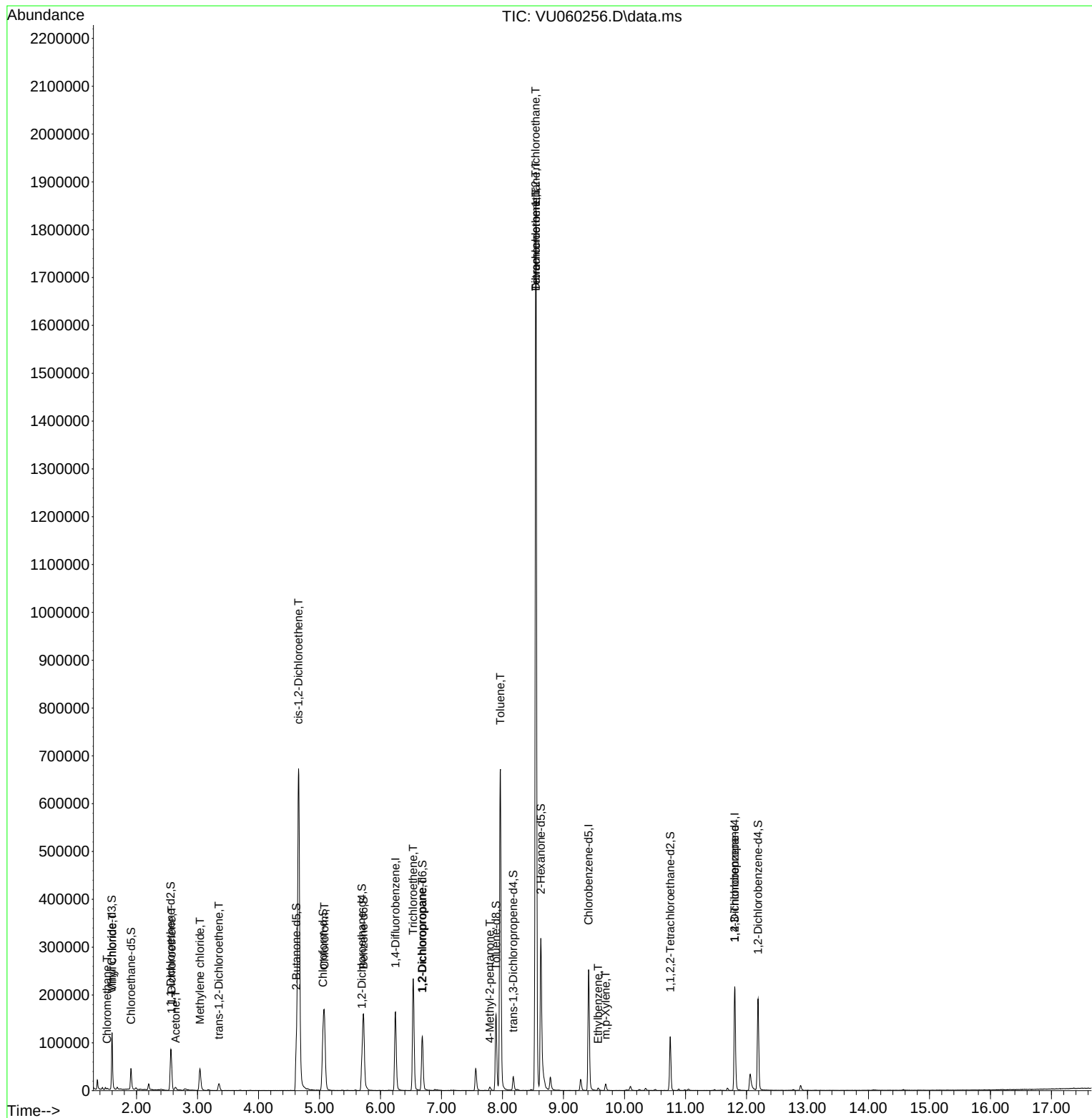
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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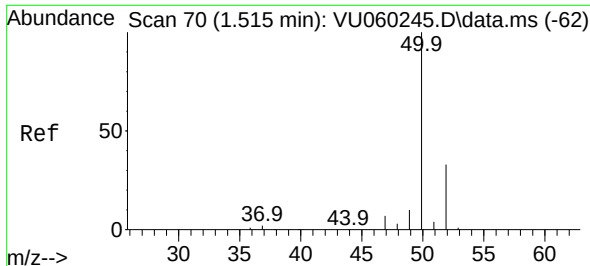
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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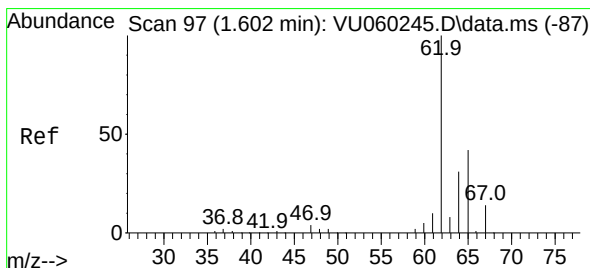
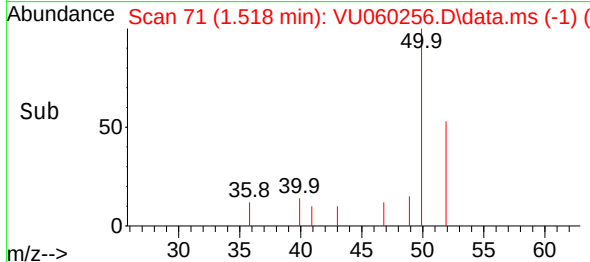
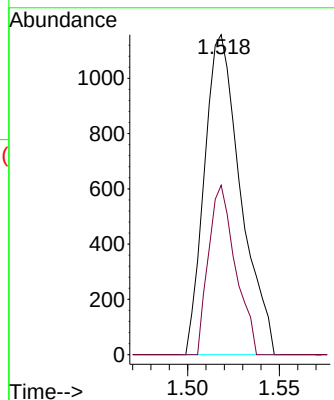
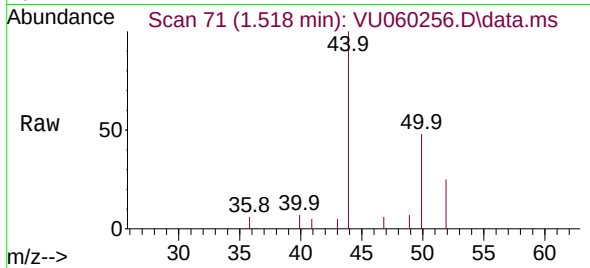




#3
Chloromethane
Concen: 0.127 ug/L
RT: 1.518 min Scan# 71
Delta R.T. 0.003 min
Lab File: VU060256.D
Acq: 29 Jul 2024 17:14

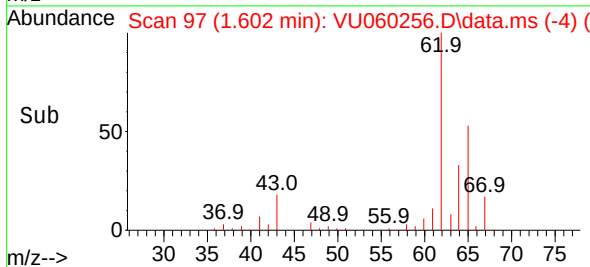
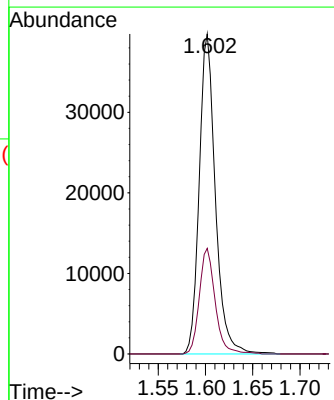
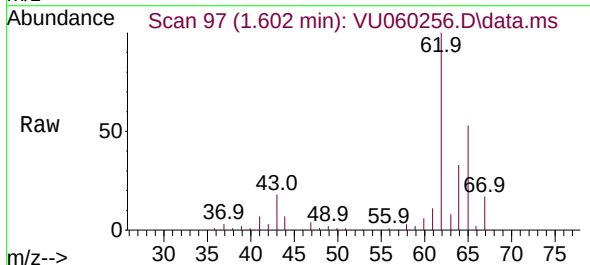
Instrument :
MSVOA_U
ClientSampleId :

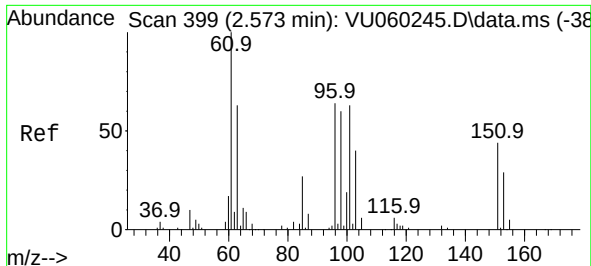
Tgt Ion: 50 Resp: 1588
Ion Ratio Lower Upper
50 100
52 52.9 23.4 43.4#



#5
Vinyl chloride
Concen: 3.353 ug/L
RT: 1.602 min Scan# 97
Delta R.T. -0.000 min
Lab File: VU060256.D
Acq: 29 Jul 2024 17:14

Tgt Ion: 62 Resp: 47126
Ion Ratio Lower Upper
62 100
64 33.0 22.8 42.4





#12

1,1-Dichloroethene

Concen: 1.019 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.000 min

Lab File: VU060256.D

Acq: 29 Jul 2024 17:14

Instrument :

MSVOA_U

ClientSampleId :

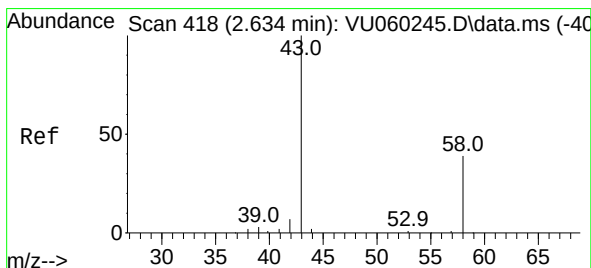
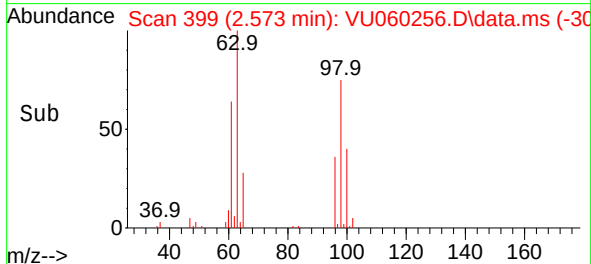
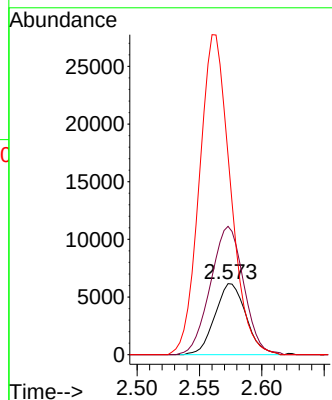
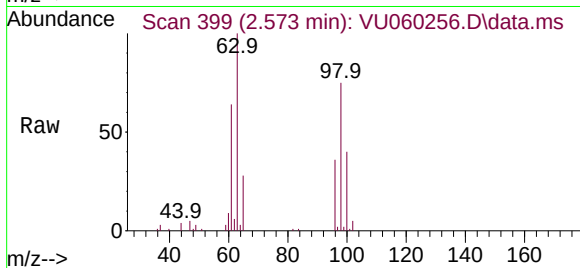
Tgt Ion: 96 Resp: 10678

Ion Ratio Lower Upper

96 100

61 180.6 107.0 198.6

63 280.7 76.4 142.0#



#13

Acetone

Concen: 7.174 ug/L

RT: 2.640 min Scan# 420

Delta R.T. 0.006 min

Lab File: VU060256.D

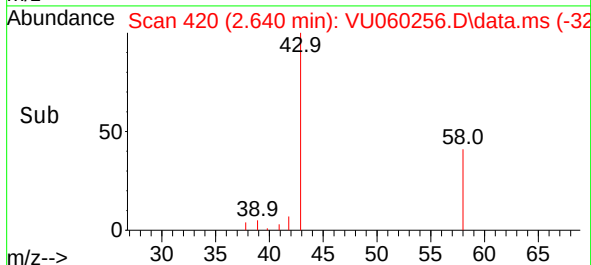
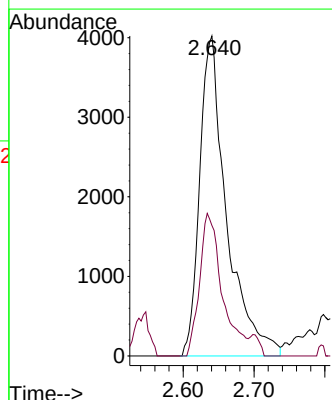
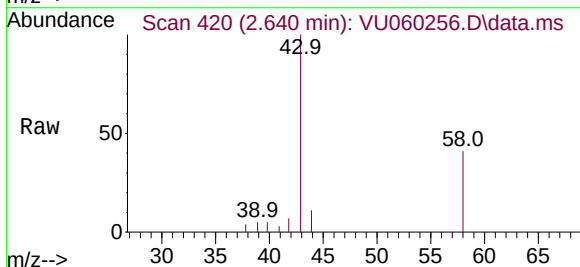
Acq: 29 Jul 2024 17:14

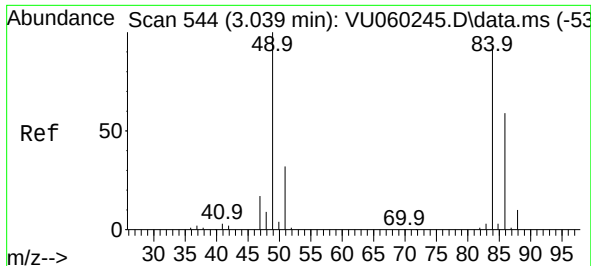
Tgt Ion: 43 Resp: 10596

Ion Ratio Lower Upper

43 100

58 37.6 0.0 82.2





#16

Methylene chloride

Concen: 1.925 ug/L

RT: 3.039 min Scan# 544

Delta R.T. -0.000 min

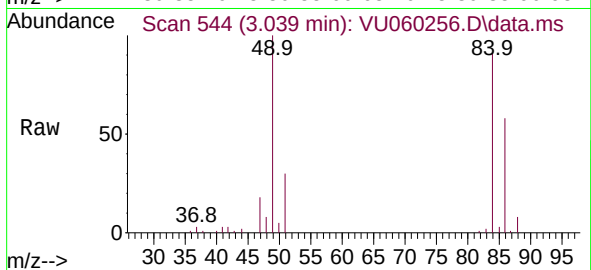
Lab File: VU060256.D

Acq: 29 Jul 2024 17:14

Instrument :

MSVOA_U

ClientSampleId :



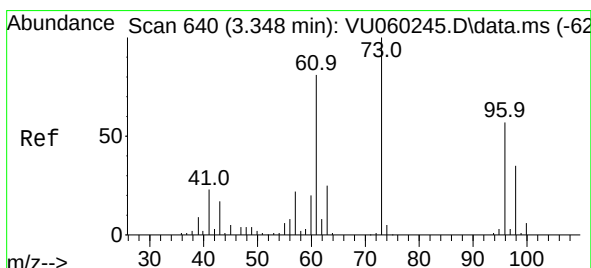
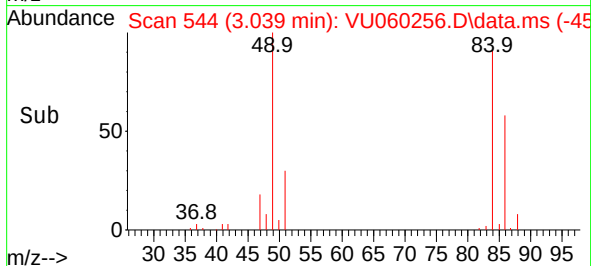
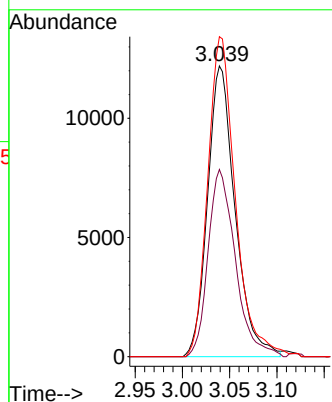
Tgt Ion: 84 Resp: 24733

Ion Ratio Lower Upper

84 100

86 64.4 44.4 82.5

49 110.1 72.0 133.6



#18

trans-1,2-Dichloroethene

Concen: 0.572 ug/L

RT: 3.351 min Scan# 641

Delta R.T. 0.003 min

Lab File: VU060256.D

Acq: 29 Jul 2024 17:14

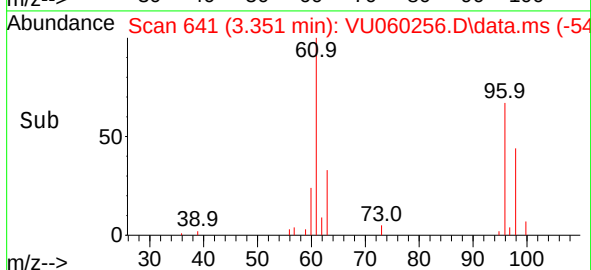
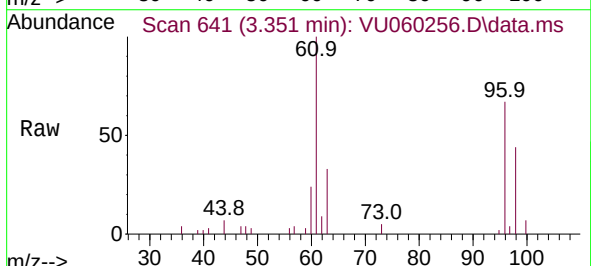
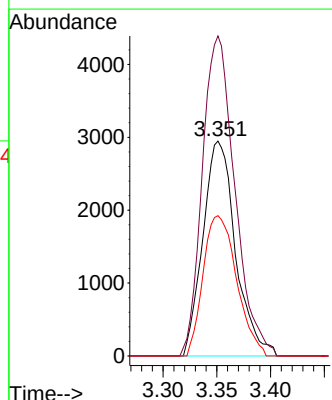
Tgt Ion: 96 Resp: 6229

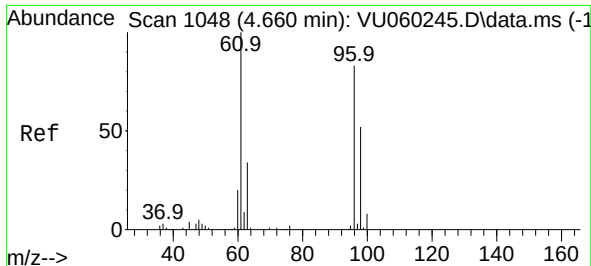
Ion Ratio Lower Upper

96 100

61 148.9 91.6 170.0

98 65.3 47.7 88.5





#22

cis-1,2-Dichloroethene

Concen: 29.759 ug/L

RT: 4.656 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU060256.D

Acq: 29 Jul 2024 17:14

Instrument :

MSVOA_U

ClientSampleId :

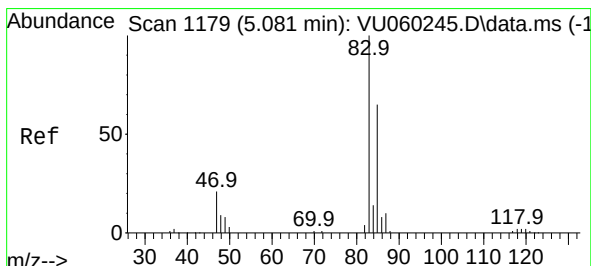
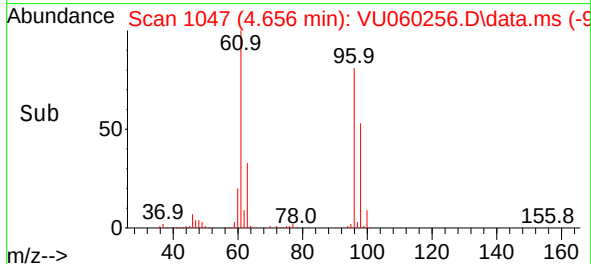
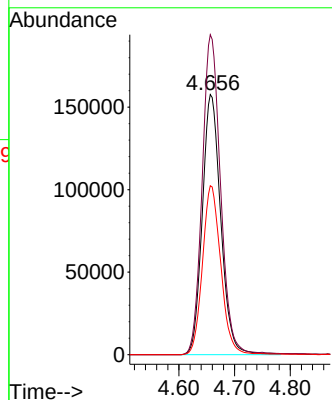
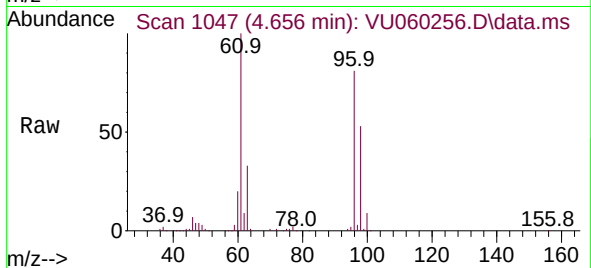
Tgt Ion: 96 Resp: 363269

Ion Ratio Lower Upper

96 100

61 123.0 80.2 148.9

98 65.0 44.7 83.1



#25

Chloroform

Concen: 5.835 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VU060256.D

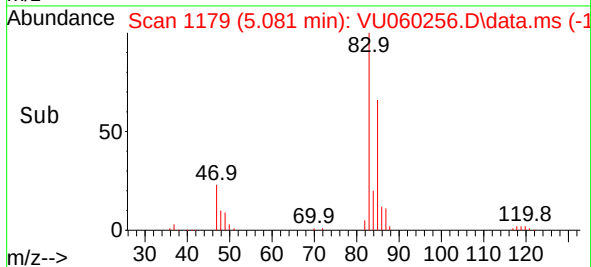
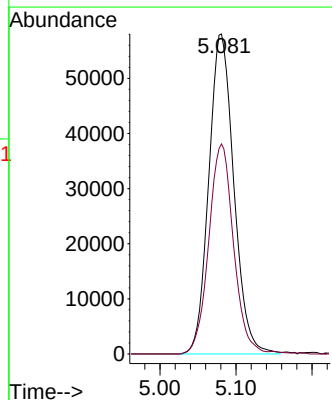
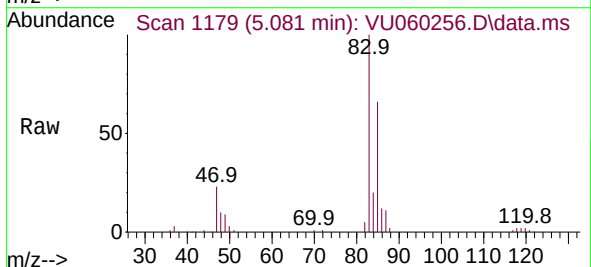
Acq: 29 Jul 2024 17:14

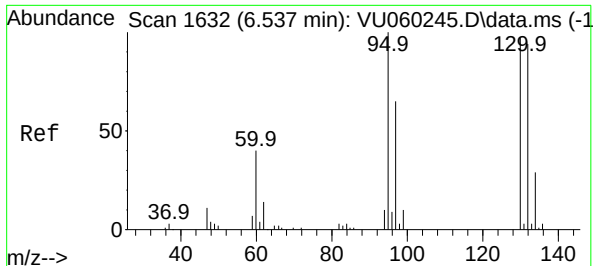
Tgt Ion: 83 Resp: 132784

Ion Ratio Lower Upper

83 100

85 65.6 45.4 84.2





#34

Trichloroethene

Concen: 6.434 ug/L

RT: 6.534 min Scan# 1

Delta R.T. -0.003 min

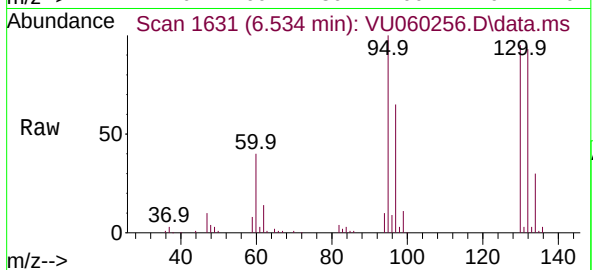
Lab File: VU060256.D

Acq: 29 Jul 2024 17:14

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 95 Resp: 84877

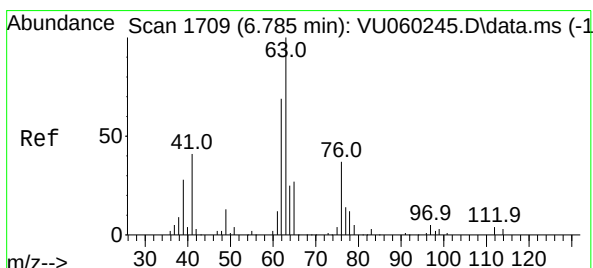
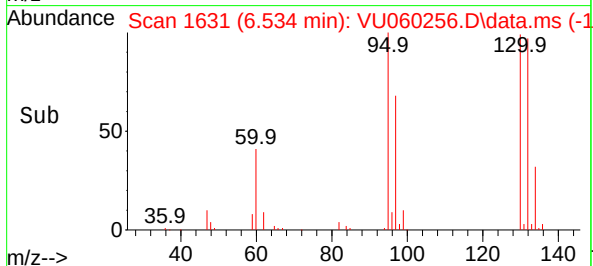
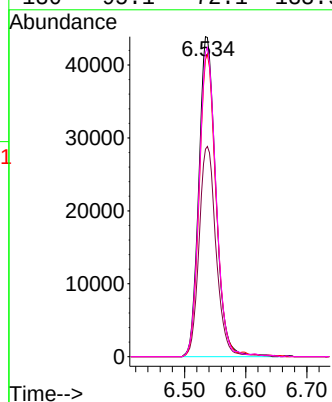
Ion Ratio Lower Upper

95 100

97 64.9 45.9 85.3

132 92.8 71.4 132.6

130 95.1 72.1 133.9



#37

1,2-Dichloropropane

Concen: 0.442 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.103 min

Lab File: VU060256.D

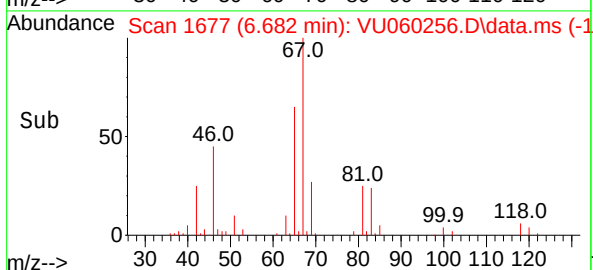
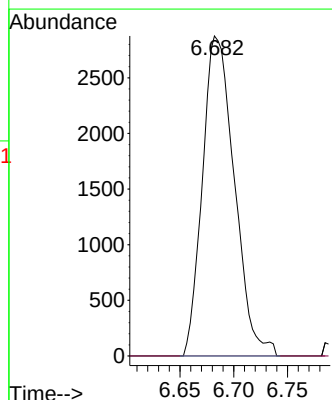
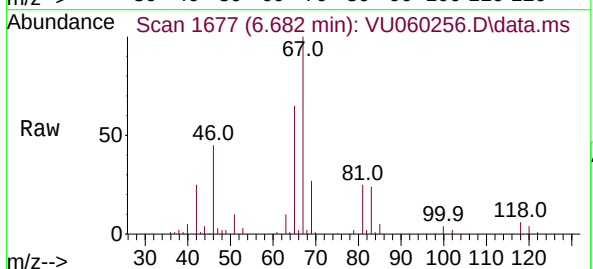
Acq: 29 Jul 2024 17:14

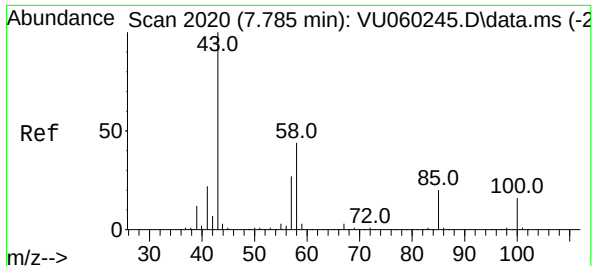
Tgt Ion: 63 Resp: 5939

Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#

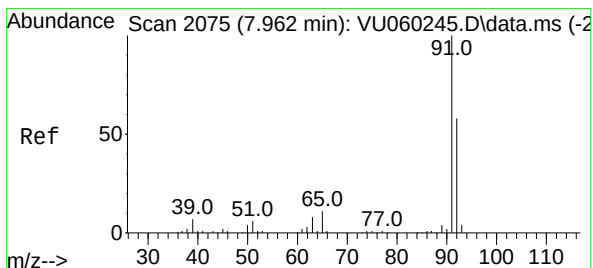
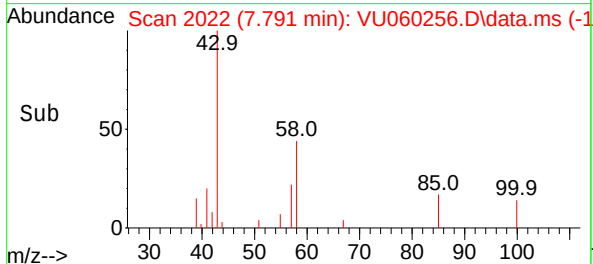
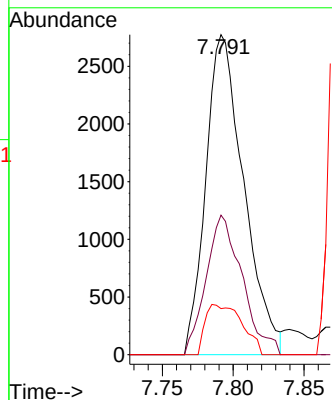
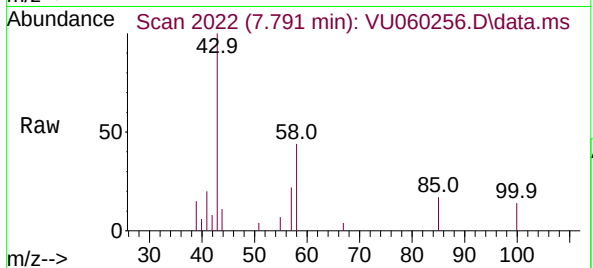




#40
4-Methyl-2-pentanone
Concen: 0.870 ug/L
RT: 7.791 min Scan# 2020
Delta R.T. 0.006 min
Lab File: VU060256.D
Acq: 29 Jul 2024 17:14

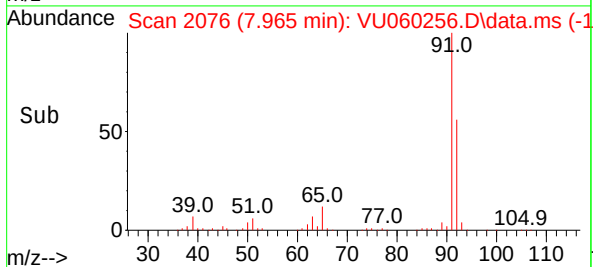
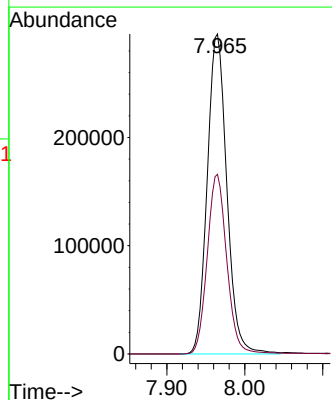
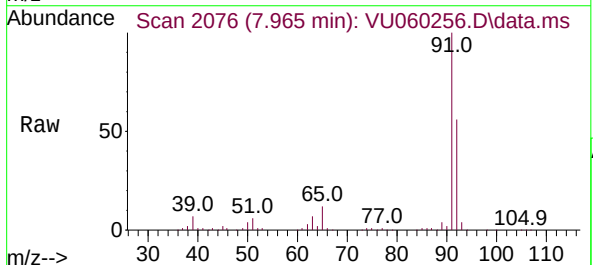
Instrument :
MSVOA_U
ClientSampleId :

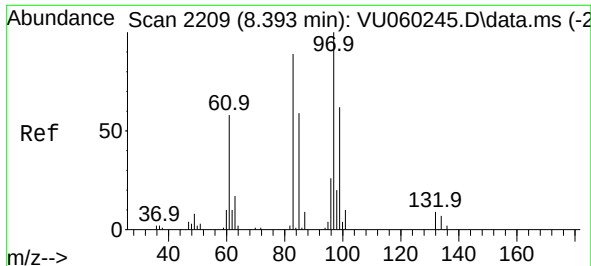
Tgt Ion: 43 Resp: 5170
Ion Ratio Lower Upper
43 100
58 41.5 36.0 54.0
100 0.0 14.9 22.3#



#42
Toluene
Concen: 9.747 ug/L
RT: 7.965 min Scan# 2076
Delta R.T. 0.003 min
Lab File: VU060256.D
Acq: 29 Jul 2024 17:14

Tgt Ion: 91 Resp: 515921
Ion Ratio Lower Upper
91 100
92 56.1 39.8 73.8

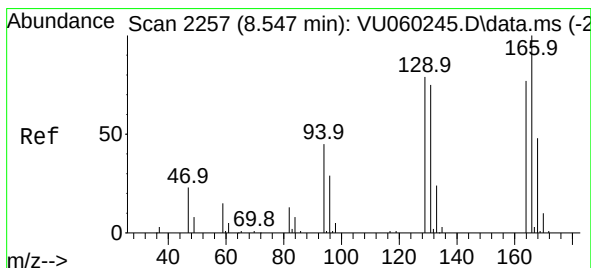
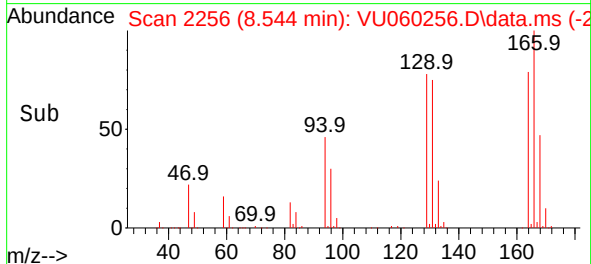
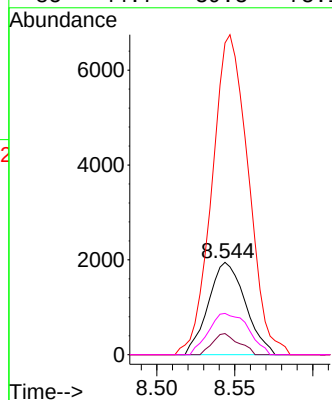
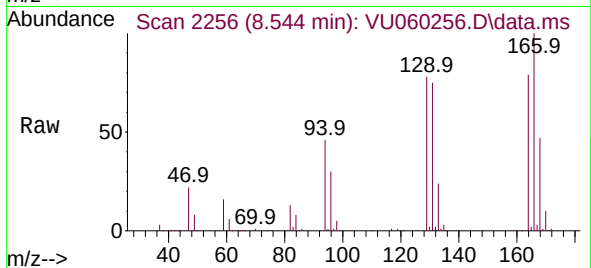




#45
1,1,2-Trichloroethane
Concen: 0.313 ug/L
RT: 8.544 min Scan# 21
Delta R.T. 0.151 min
Lab File: VU060256.D
Acq: 29 Jul 2024 17:14

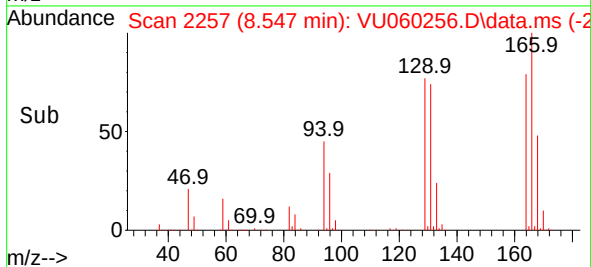
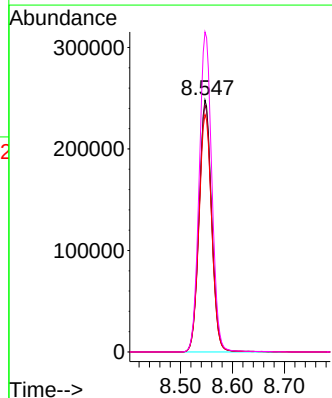
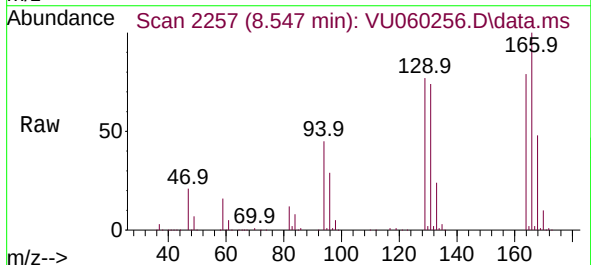
Instrument :
MSVOA_U
ClientSampleId :

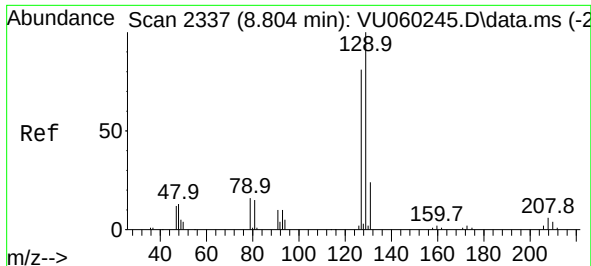
Tgt Ion: 97 Resp: 3215
Ion Ratio Lower Upper
97 100
99 22.9 43.8 81.4#
83 337.7 62.1 115.3#
85 44.7 39.3 73.1



#47
Tetrachloroethene
Concen: 38.305 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU060256.D
Acq: 29 Jul 2024 17:14

Tgt Ion:164 Resp: 417787
Ion Ratio Lower Upper
164 100
129 98.1 64.6 120.0
131 94.2 61.2 113.8
166 127.0 88.6 164.6





#49

Dibromochloromethane

Concen: 35.636 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU060256.D

Acq: 29 Jul 2024 17:14

Instrument :

MSVOA_U

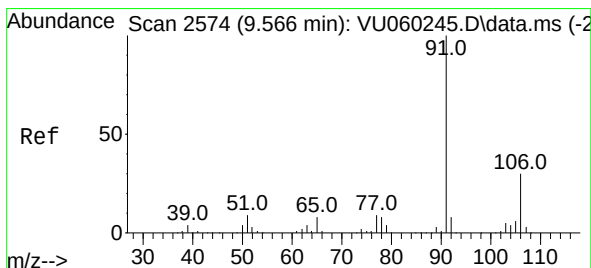
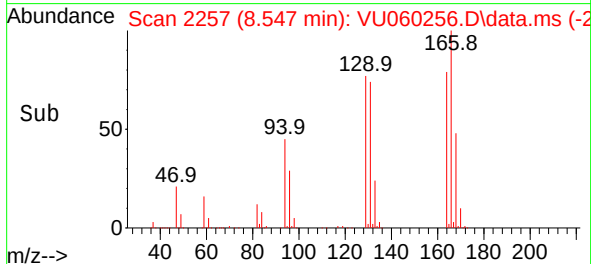
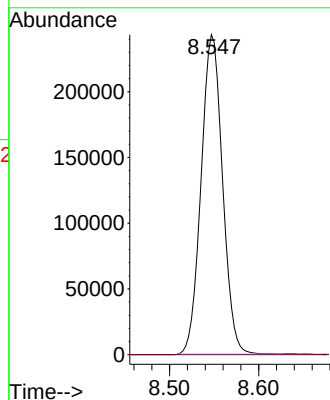
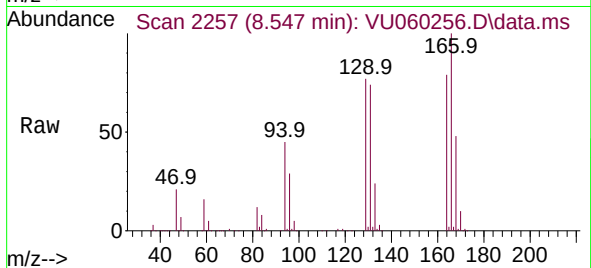
ClientSampleId :

Tgt Ion:129 Resp: 404764

Ion Ratio Lower Upper

129 100

127 0.0 54.6 101.4#



#52

Ethylbenzene

Concen: 0.085 ug/L

RT: 9.569 min Scan# 2575

Delta R.T. 0.003 min

Lab File: VU060256.D

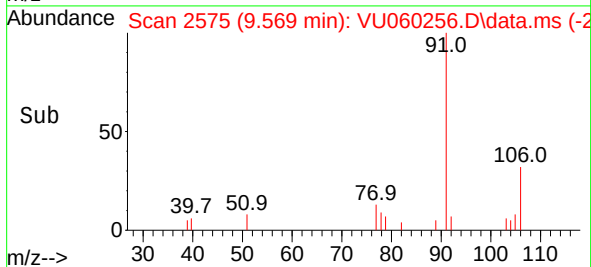
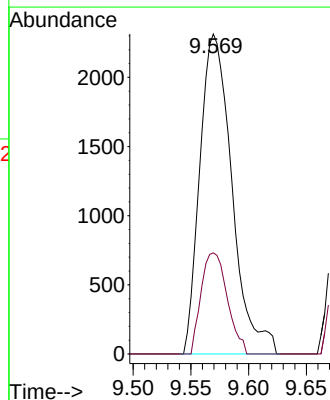
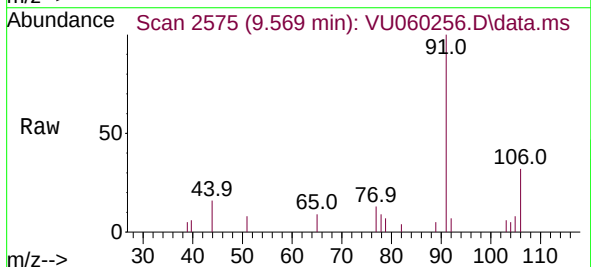
Acq: 29 Jul 2024 17:14

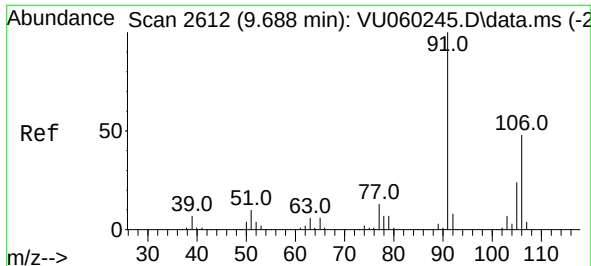
Tgt Ion: 91 Resp: 4465

Ion Ratio Lower Upper

91 100

106 31.6 21.9 40.7





#53

m,p-Xylene

Concen: 0.221 ug/L

RT: 9.692 min Scan# 2

Delta R.T. 0.003 min

Lab File: VU060256.D

Acq: 29 Jul 2024 17:14

Instrument :

MSVOA_U

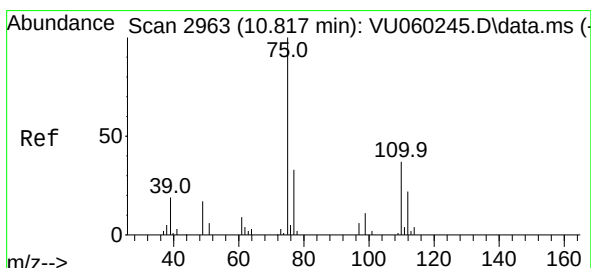
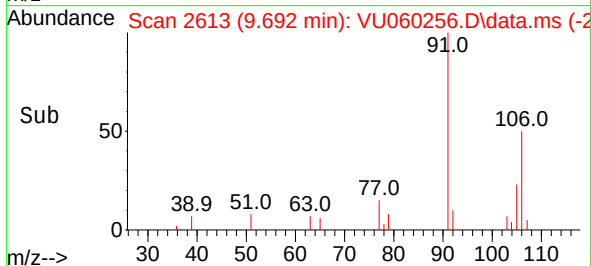
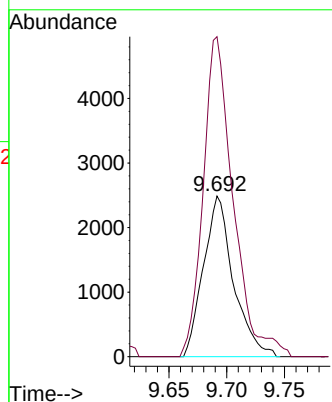
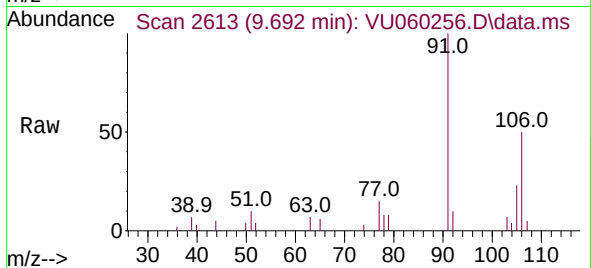
ClientSampleId :

Tgt Ion:106 Resp: 4502

Ion Ratio Lower Upper

106 100

91 199.2 141.3 262.5



#61

1,2,3-Trichloropropane

Concen: 1.150 ug/L

RT: 11.807 min Scan# 3271

Delta R.T. 0.990 min

Lab File: VU060256.D

Acq: 29 Jul 2024 17:14

Tgt Ion: 75 Resp: 7564

Ion Ratio Lower Upper

75 100

110 0.9 30.8 46.2#

77 31.0 26.2 39.2

