

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103124\
 Data File : VU061313.D
 Acq On : 31 Oct 2024 15:51
 Operator : MD/SY
 Sample : P4629-21DL 2X
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GCP34DL

Quant Time: Nov 01 00:00:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102324WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 31 23:55:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	173592	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	160102	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	75301	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	59605	5.055	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.000%
7) Chloroethane-d5	1.907	69	57230	5.294	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.800%
11) 1,1-Dichloroethene-d2	2.560	65	25472	5.049	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.000%
20) 2-Butanone-d5	4.624	46	122640	51.225	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.440%
24) Chloroform-d	5.055	84	114696	5.124	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.400%
26) 1,2-Dichloroethane-d4	5.692	65	60047	5.382	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.600%
32) Benzene-d6	5.718	84	243718	5.403	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.000%
36) 1,2-Dichloropropane-d6	6.682	67	73550	5.423	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.400%
41) Toluene-d8	7.891	98	218865	5.189	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.800%
43) trans-1,3-Dichloroprop...	8.174	79	27434	4.955	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.200%
46) 2-Hexanone-d5	8.627	63	113839	50.204	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.400%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	51527	5.024	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	71643	5.373	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.400%
Target Compounds	Qvalue					
5) Vinyl chloride	1.602	62	178000	13.266	ug/L	99
12) 1,1-Dichloroethene	2.576	96	47121	4.591	ug/L	93
16) Methylene chloride	3.039	84	55334	4.575	ug/L	98
18) trans-1,2-Dichloroethene	3.348	96	38968	3.434	ug/L	96
22) cis-1,2-Dichloroethene	4.657	96	61939	4.778	ug/L	98
27) 1,2-Dichloroethane	5.785	62	82532	5.803	ug/L	100
29) 1,1,1-Trichloroethane	5.306	97	133458	6.807	ug/L	98
31) Carbon tetrachloride	5.515	117	48966	2.919	ug/L	99
33) Benzene	5.766	78	310723	6.275	ug/L	100
34) Trichloroethene	6.538	95	20665	1.534	ug/L	97
37) 1,2-Dichloropropane	6.782	63	88619	7.061	ug/L	100
42) Toluene	7.962	91	248117	4.614	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	18204	2.016	ug/L	96
47) Tetrachloroethene	8.547	164	61031	6.488	ug/L	100
51) Chlorobenzene	9.441	112	176173	5.184	ug/L	99
52) Ethylbenzene	9.563	91	383528	6.484	ug/L	100
53) m,p-Xylene	9.685	106	170860	7.583	ug/L	98
54) o-Xylene	10.094	106	65489	2.945	ug/L	99
55) Styrene	10.110	104	100528	2.820	ug/L	97

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Oct 31 23:55:38 2024
Response via : Initial Calibration

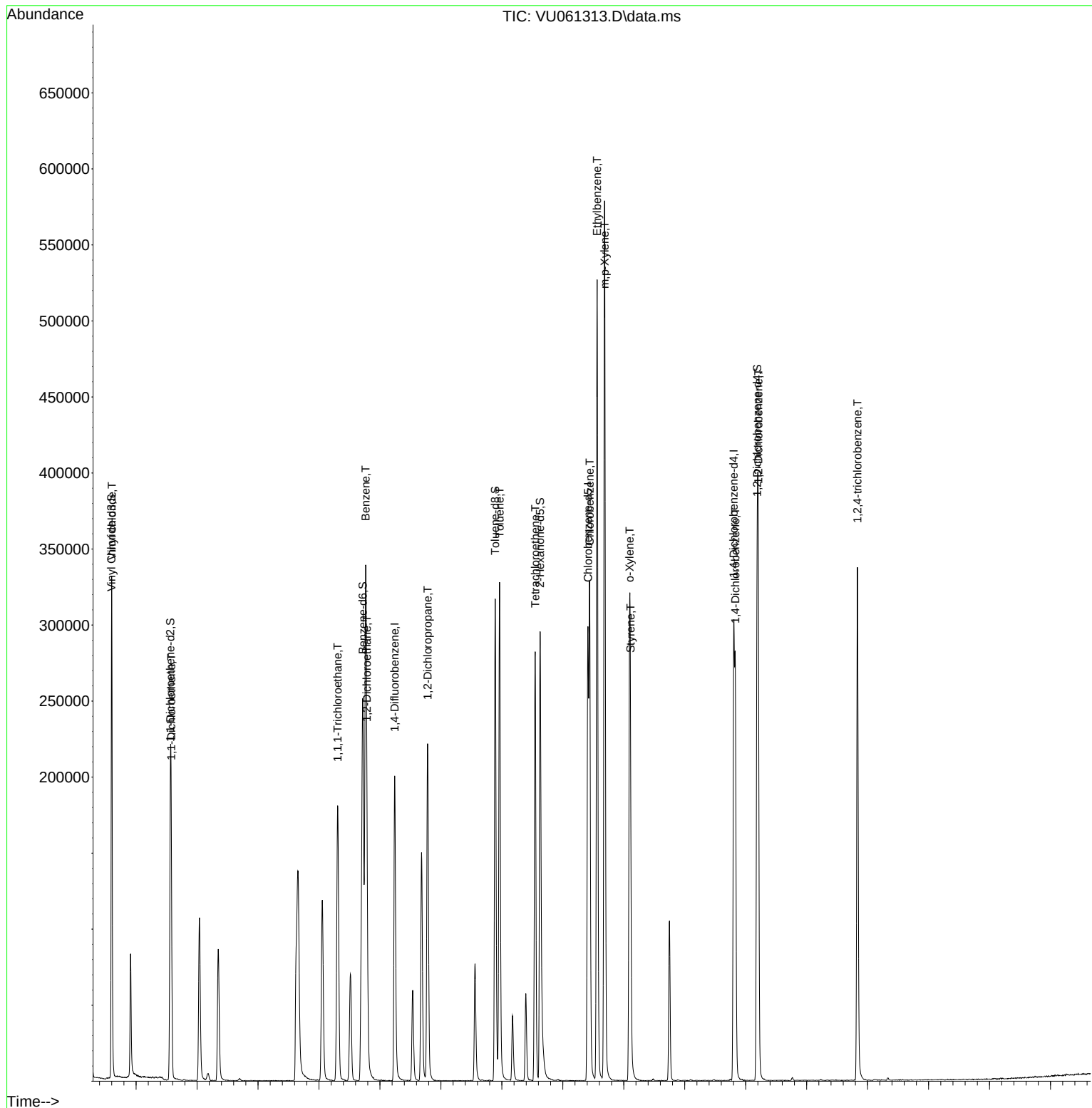
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	11.830	146	102381	4.148	ug/L	100
67) 1,2-Dichlorobenzene	12.206	146	131733	5.781	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	104825	7.827	ug/L	98

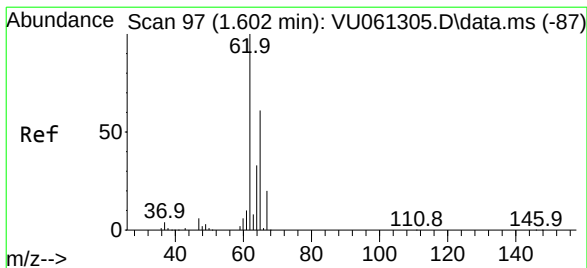
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 13.266 ug/L

RT: 1.602 min Scan# 97

Delta R.T. -0.000 min

Lab File: VU061313.D

Acq: 31 Oct 2024 15:51

Instrument :

MSVOA_U

ClientSampleId :

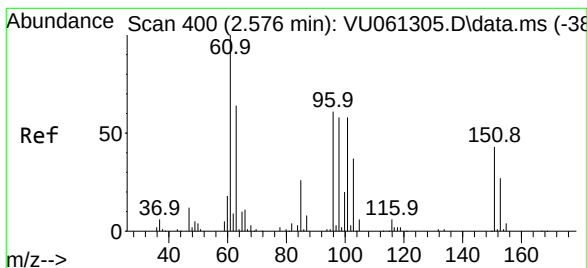
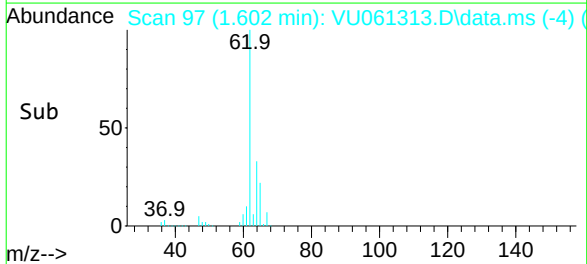
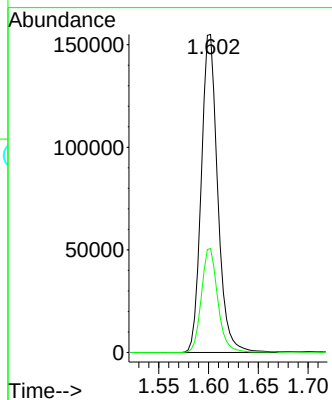
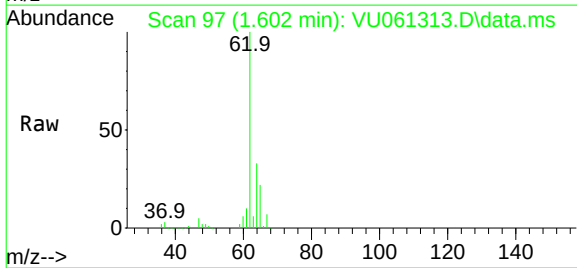
GCP34DL

Tgt Ion: 62 Resp: 178000

Ion Ratio Lower Upper

62 100

64 32.7 22.6 42.0



#12

1,1-Dichloroethene

Concen: 4.591 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU061313.D

Acq: 31 Oct 2024 15:51

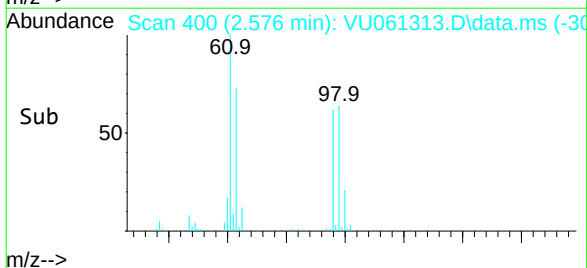
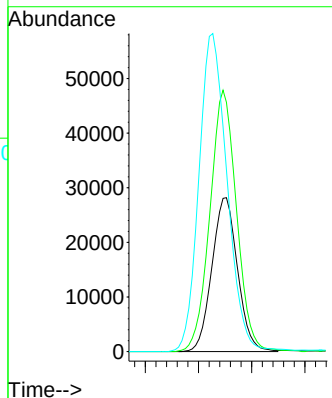
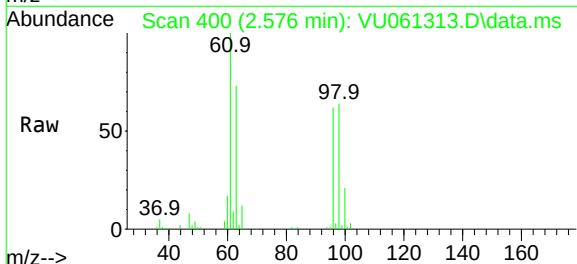
Tgt Ion: 96 Resp: 47121

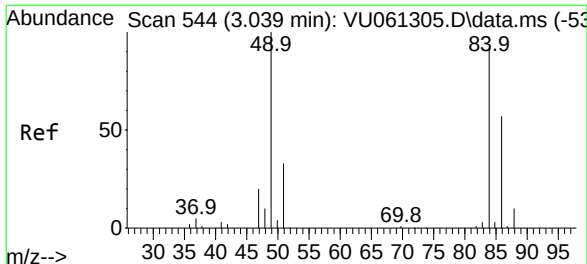
Ion Ratio Lower Upper

96 100

61 161.9 119.1 221.1

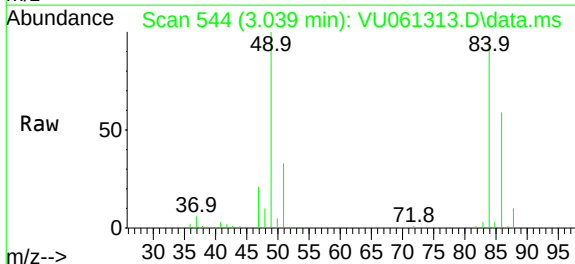
63 118.0 89.4 166.0



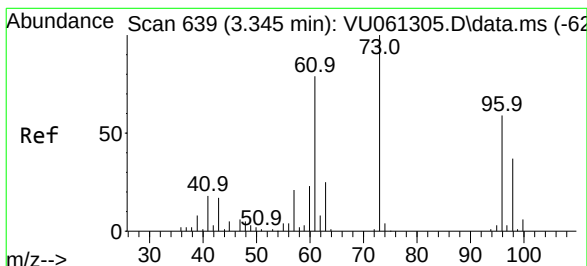
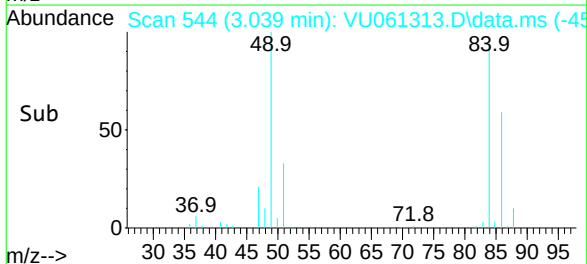
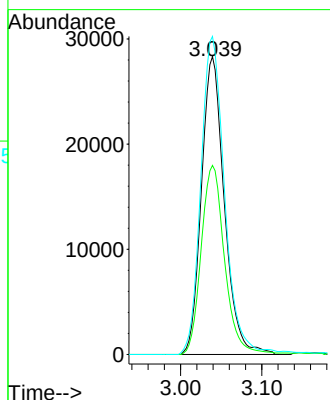


#16
Methylene chloride
Concen: 4.575 ug/L
RT: 3.039 min Scan# 54
Delta R.T. -0.000 min
Lab File: VU061313.D
Acq: 31 Oct 2024 15:51

Instrument :
MSVOA_U
ClientSampleId :
GCP34DL

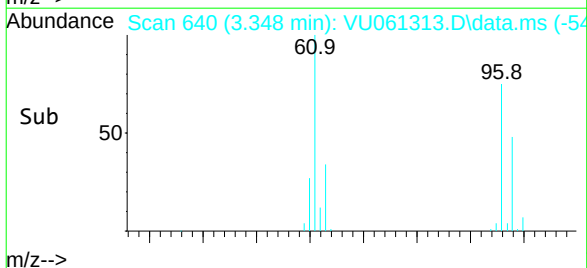
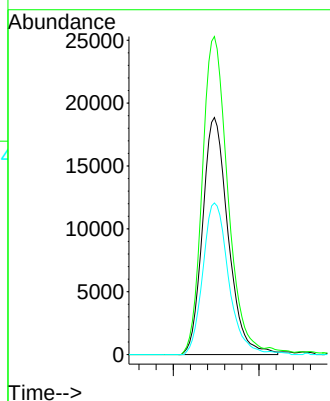
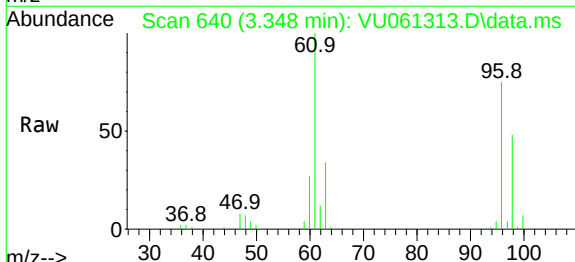


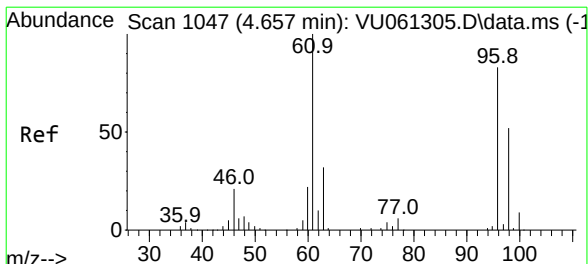
Tgt Ion:	84	Resp:	55334
Ion	Ratio	Lower	Upper
84	100		
86	63.5	43.5	80.7
49	106.7	75.7	140.7



#18
trans-1,2-Dichloroethene
Concen: 3.434 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.003 min
Lab File: VU061313.D
Acq: 31 Oct 2024 15:51

Tgt Ion:	96	Resp:	38968
Ion	Ratio	Lower	Upper
96	100		
61	134.2	97.9	181.7
98	64.0	46.2	85.8

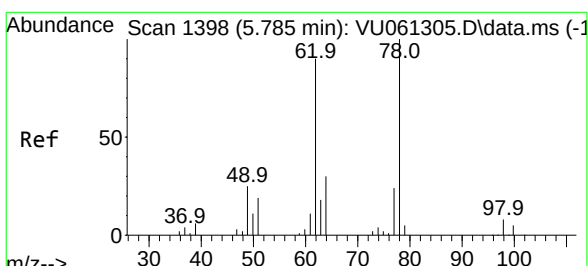
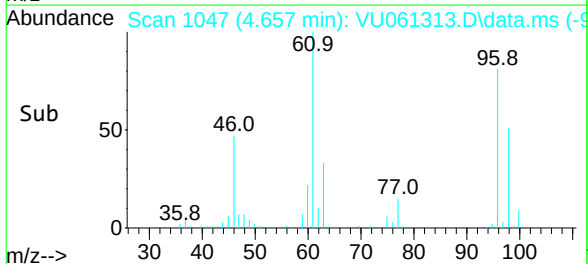
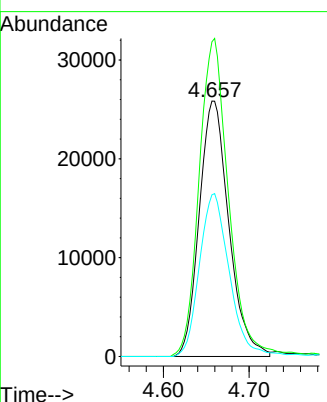
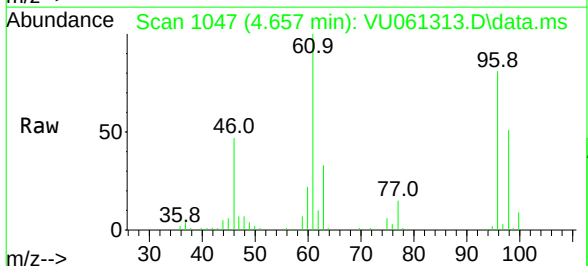




#22
 cis-1,2-Dichloroethene
 Concen: 4.778 ug/L
 RT: 4.657 min Scan# 1047
 Delta R.T. -0.000 min
 Lab File: VU061313.D
 Acq: 31 Oct 2024 15:51

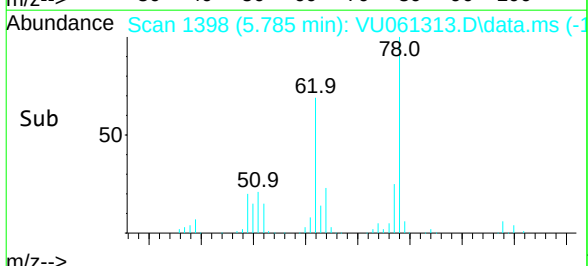
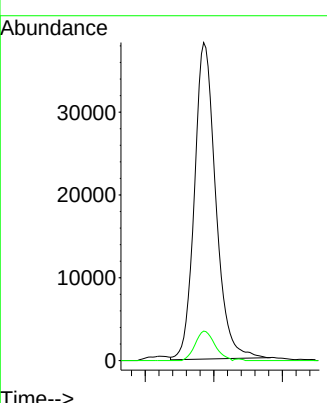
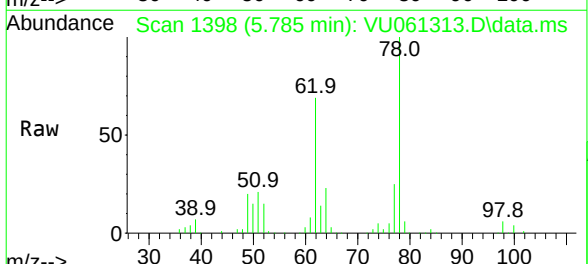
Instrument :
 MSVOA_U
 ClientSampleId :
 GCP34DL

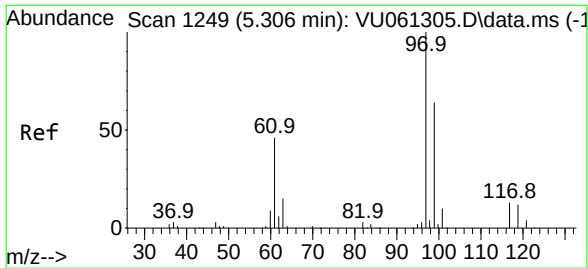
Tgt Ion:	96	Resp:	61939
Ion	Ratio	Lower	Upper
96	100		
61	123.2	88.1	163.5
98	63.3	45.0	83.6



#27
 1,2-Dichloroethane
 Concen: 5.803 ug/L
 RT: 5.785 min Scan# 1398
 Delta R.T. -0.000 min
 Lab File: VU061313.D
 Acq: 31 Oct 2024 15:51

Tgt Ion:	62	Resp:	82532
Ion	Ratio	Lower	Upper
62	100		
98	9.3	7.4	11.0

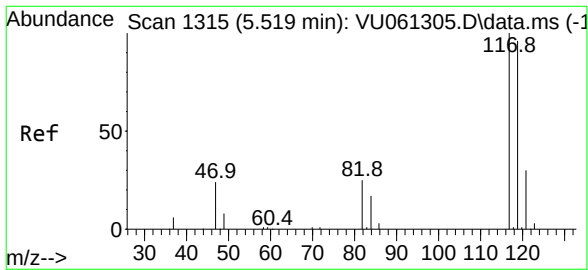
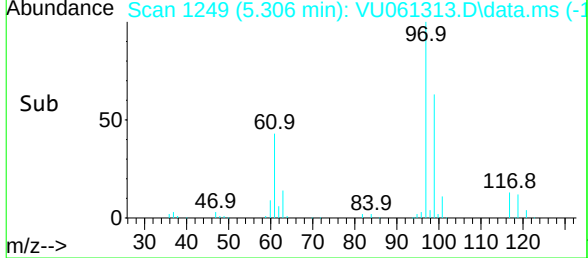
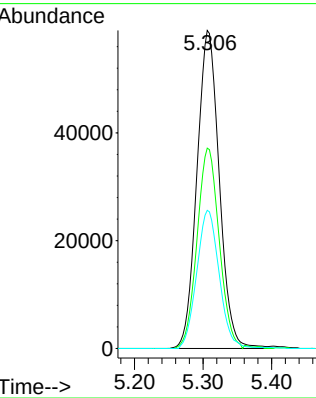
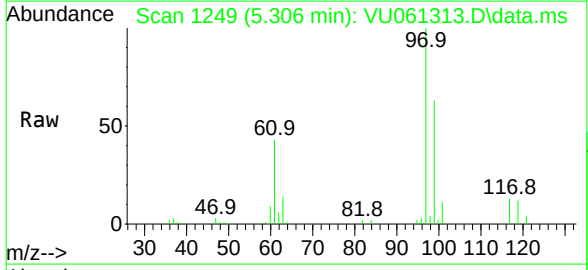




#29
 1,1,1-Trichloroethane
 Concen: 6.807 ug/L
 RT: 5.306 min Scan# 1249
 Delta R.T. -0.000 min
 Lab File: VU061313.D
 Acq: 31 Oct 2024 15:51

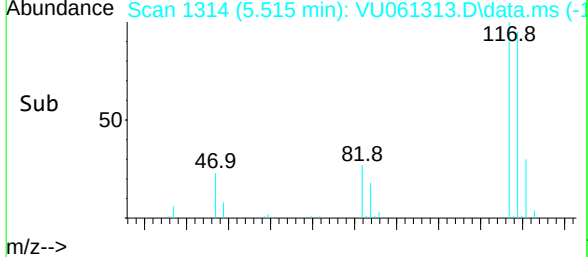
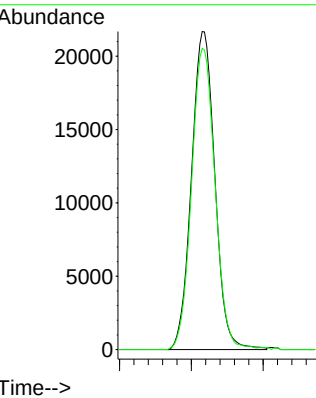
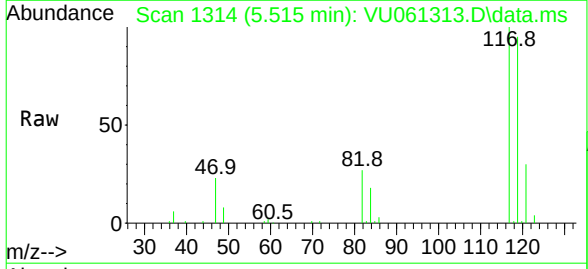
Instrument :
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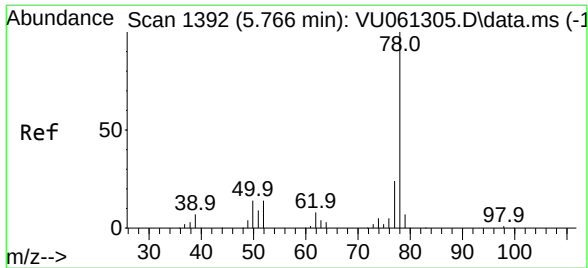
Tgt Ion:	97	Resp:	133458
Ion	Ratio	Lower	Upper
97	100		
99	62.4	50.8	76.2
61	43.7	36.1	54.1



#31
 Carbon tetrachloride
 Concen: 2.919 ug/L
 RT: 5.515 min Scan# 1314
 Delta R.T. -0.003 min
 Lab File: VU061313.D
 Acq: 31 Oct 2024 15:51

Tgt Ion:	117	Resp:	48966
Ion	Ratio	Lower	Upper
117	100		
119	95.1	75.5	113.3





#33

Benzene

Concen: 6.275 ug/L

RT: 5.766 min Scan# 13

Delta R.T. -0.000 min

Lab File: VU061313.D

Acq: 31 Oct 2024 15:51

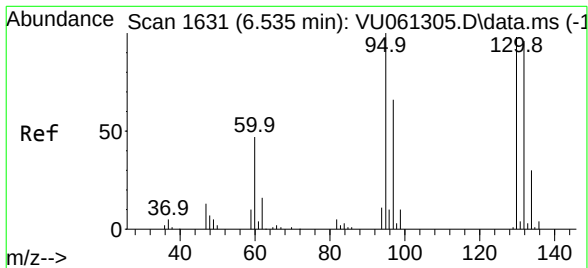
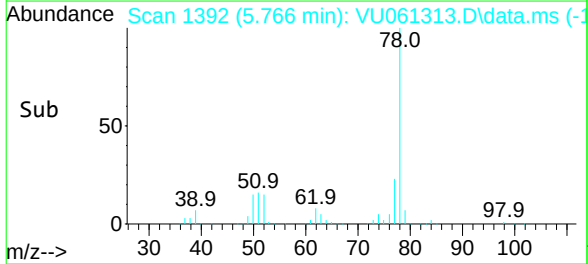
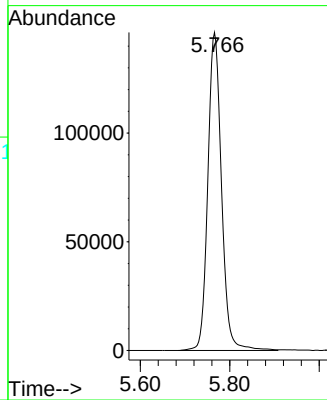
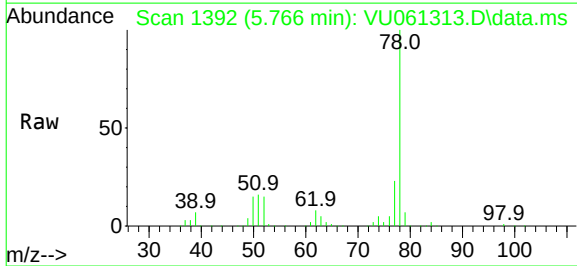
Instrument :

MSVOA_U

ClientSampleId :

GCP34DL

Tgt Ion: 78 Resp: 310723



#34

Trichloroethene

Concen: 1.534 ug/L

RT: 6.538 min Scan# 1632

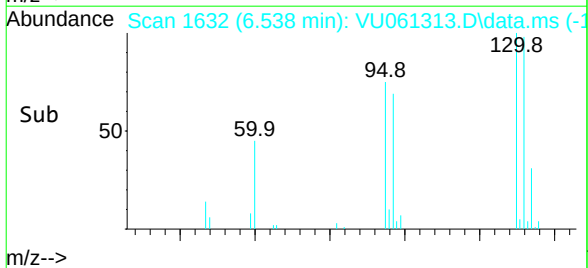
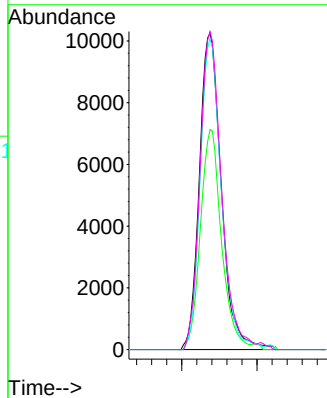
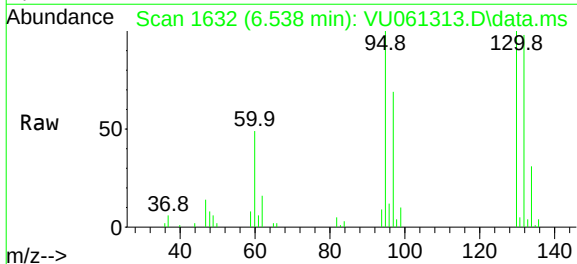
Delta R.T. 0.003 min

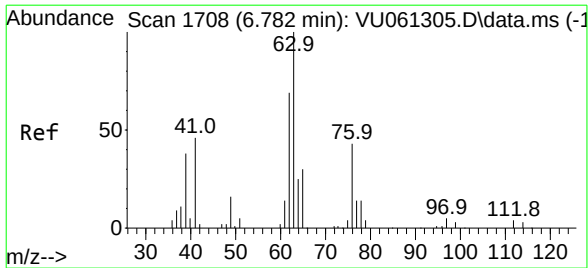
Lab File: VU061313.D

Acq: 31 Oct 2024 15:51

Tgt Ion: 95 Resp: 20665

Ion	Ratio	Lower	Upper
95	100		
97	69.5	46.1	85.7
132	98.2	66.1	122.7
130	100.5	69.0	128.2

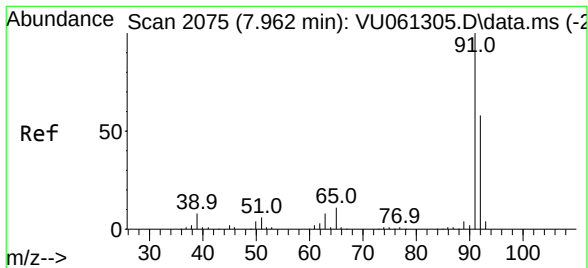
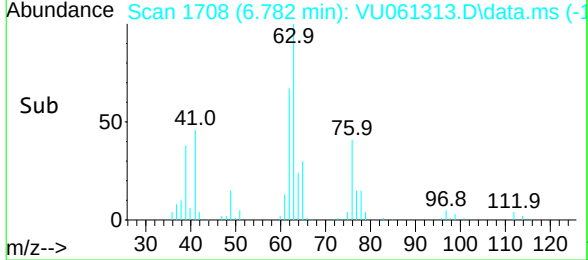
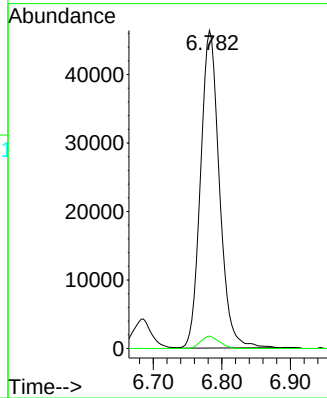
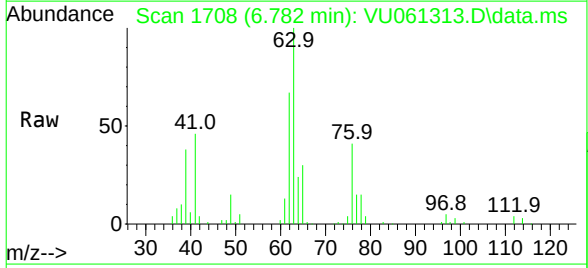




#37
1,2-Dichloropropane
Concen: 7.061 ug/L
RT: 6.782 min Scan# 17
Delta R.T. -0.000 min
Lab File: VU061313.D
Acq: 31 Oct 2024 15:51

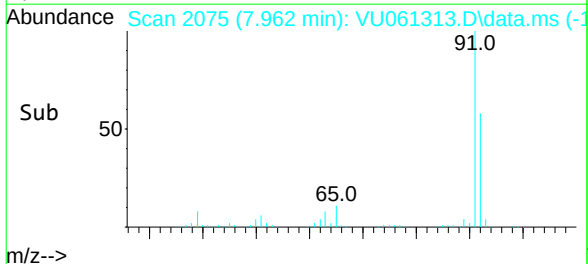
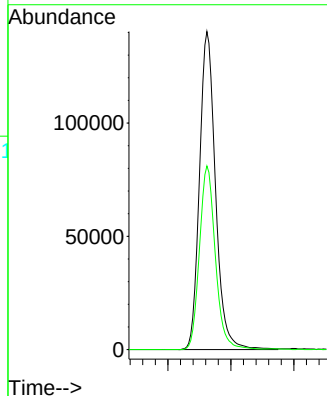
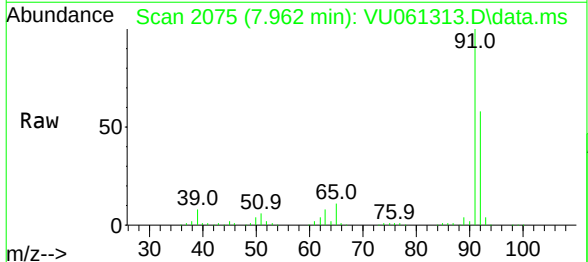
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MSVOA_U
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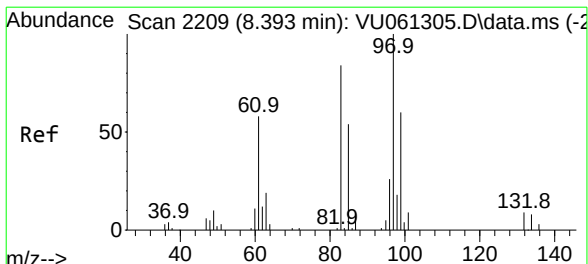
Tgt Ion: 63 Resp: 88619
Ion Ratio Lower Upper
63 100
112 3.8 3.0 4.4



#42
Toluene
Concen: 4.614 ug/L
RT: 7.962 min Scan# 2075
Delta R.T. -0.000 min
Lab File: VU061313.D
Acq: 31 Oct 2024 15:51

Tgt Ion: 91 Resp: 248117
Ion Ratio Lower Upper
91 100
92 57.7 40.3 74.8

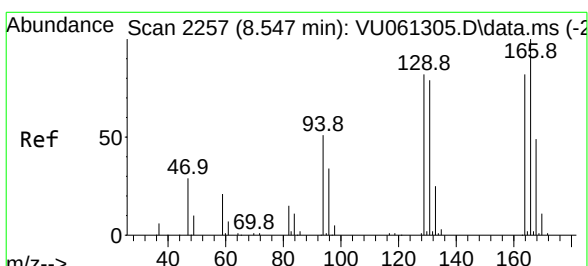
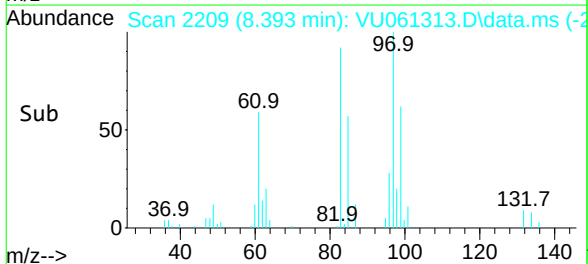
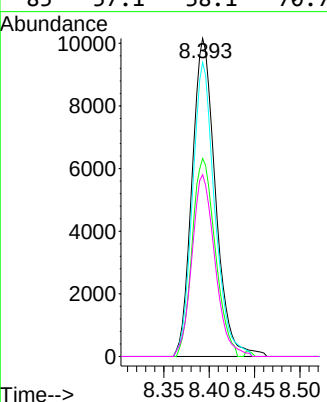
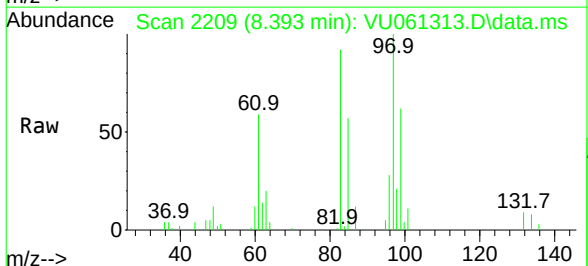




#45
 1,1,2-Trichloroethane
 Concen: 2.016 ug/L
 RT: 8.393 min Scan# 2209
 Delta R.T. -0.000 min
 Lab File: VU061313.D
 Acq: 31 Oct 2024 15:51

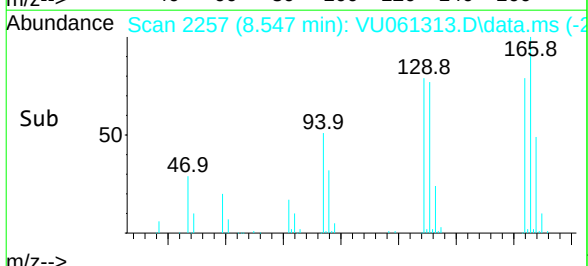
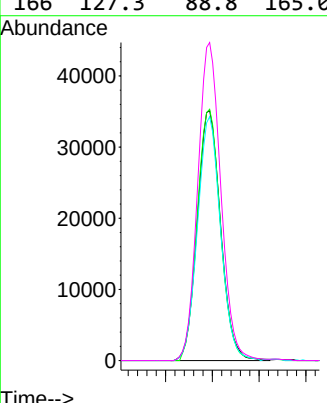
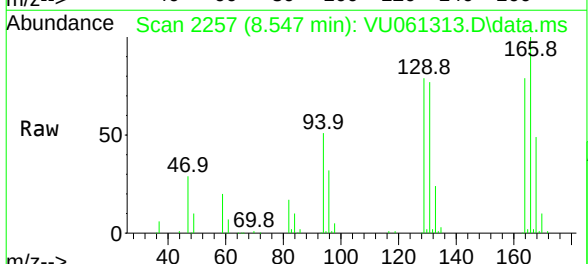
Instrument :
 MSVOA_U
 ClientSampleId :
 GCP34DL

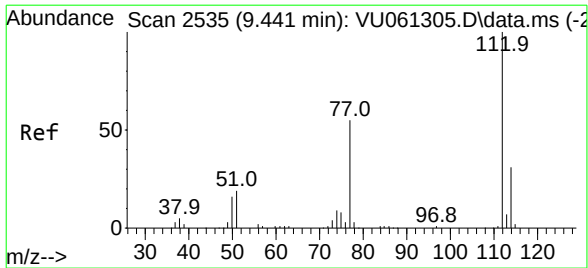
Tgt Ion:	97	Resp:	18204
Ion	Ratio	Lower	Upper
97	100		
99	62.3	44.1	81.9
83	92.4	61.2	113.6
85	57.1	38.1	70.7



#47
 Tetrachloroethene
 Concen: 6.488 ug/L
 RT: 8.547 min Scan# 2257
 Delta R.T. -0.000 min
 Lab File: VU061313.D
 Acq: 31 Oct 2024 15:51

Tgt Ion:	164	Resp:	61031
Ion	Ratio	Lower	Upper
164	100		
129	100.6	69.9	129.7
131	97.6	68.3	126.8
166	127.3	88.8	165.0

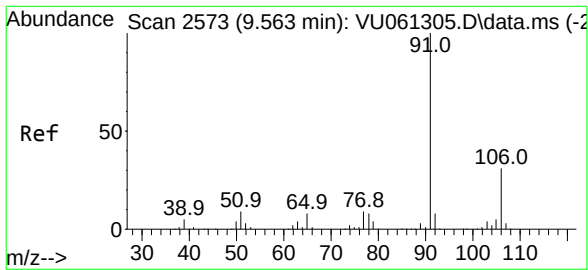
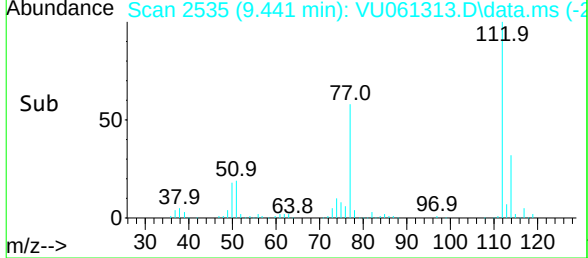
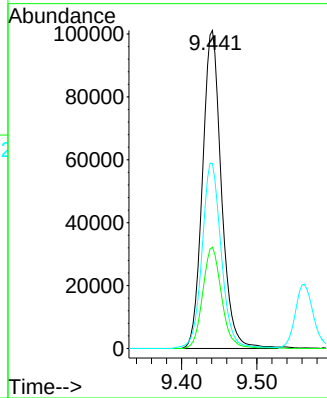
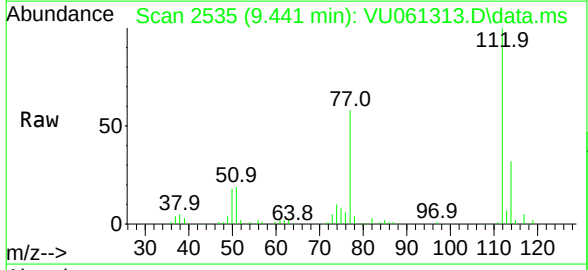




#51
Chlorobenzene
Concen: 5.184 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.000 min
Lab File: VU061313.D
Acq: 31 Oct 2024 15:51

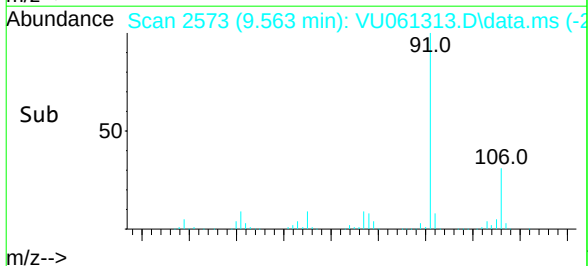
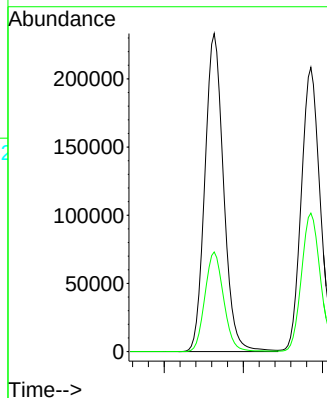
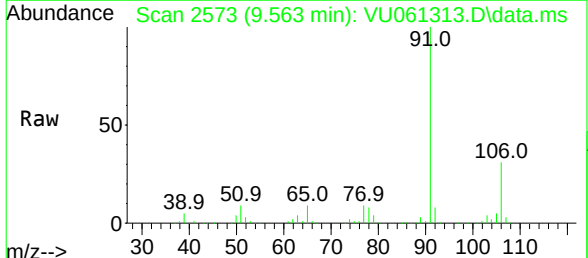
Instrument :
MSVOA_U
ClientSampleId :
GCP34DL

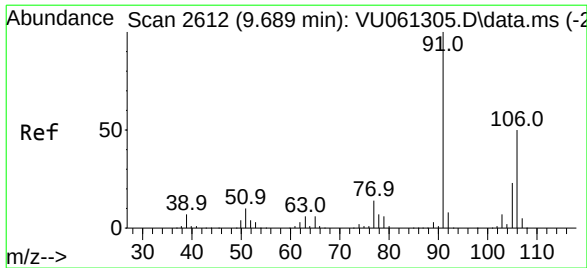
Tgt Ion: 112 Resp: 176173
Ion Ratio Lower Upper
112 100
114 31.9 22.9 42.5
77 58.1 47.1 70.7



#52
Ethylbenzene
Concen: 6.484 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. -0.000 min
Lab File: VU061313.D
Acq: 31 Oct 2024 15:51

Tgt Ion: 91 Resp: 383528
Ion Ratio Lower Upper
91 100
106 31.3 22.0 41.0





#53

m,p-Xylene

Concen: 7.583 ug/L

RT: 9.685 min Scan# 2612

Delta R.T. -0.003 min

Lab File: VU061313.D

Acq: 31 Oct 2024 15:51

Instrument :

MSVOA_U

ClientSampleId :

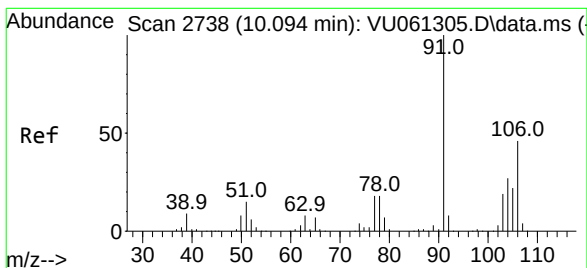
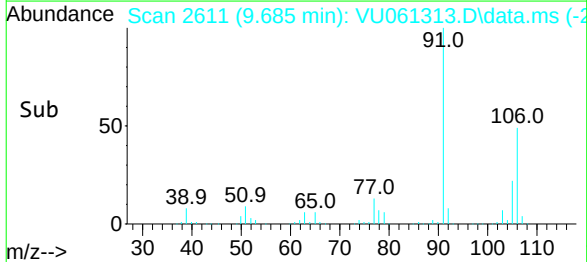
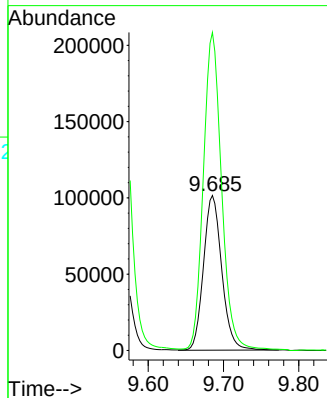
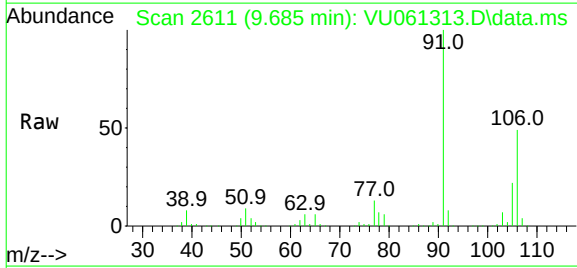
GCP34DL

Tgt Ion:106 Resp: 170860

Ion Ratio Lower Upper

106 100

91 205.2 145.7 270.7



#54

o-Xylene

Concen: 2.945 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. -0.000 min

Lab File: VU061313.D

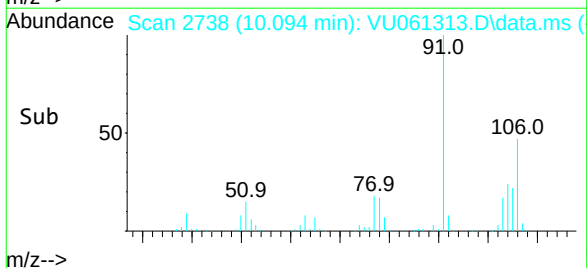
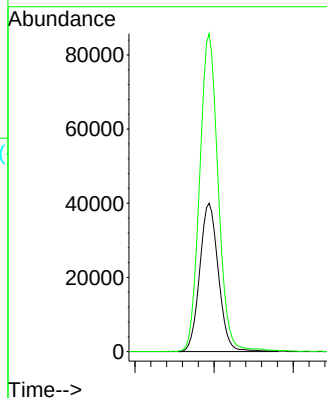
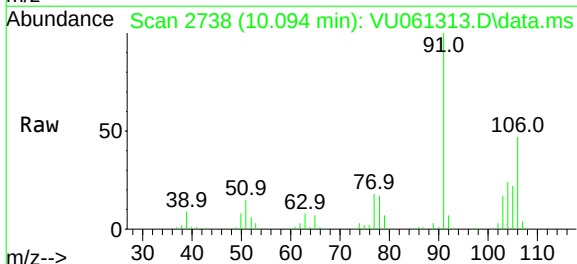
Acq: 31 Oct 2024 15:51

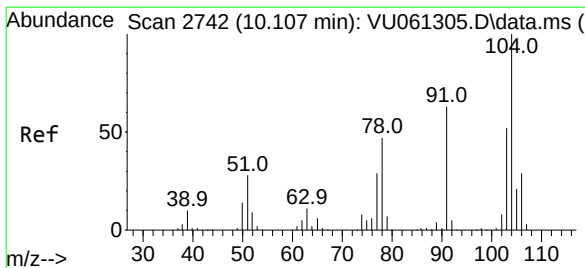
Tgt Ion:106 Resp: 65489

Ion Ratio Lower Upper

106 100

91 214.4 148.8 276.4





#55

Styrene

Concen: 2.820 ug/L

RT: 10.110 min Scan# 27

Delta R.T. 0.003 min

Lab File: VU061313.D

Acq: 31 Oct 2024 15:51

Instrument :

MSVOA_U

ClientSampleId :

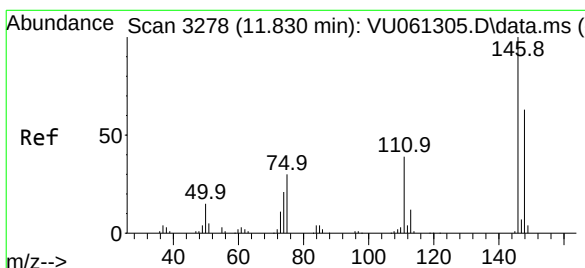
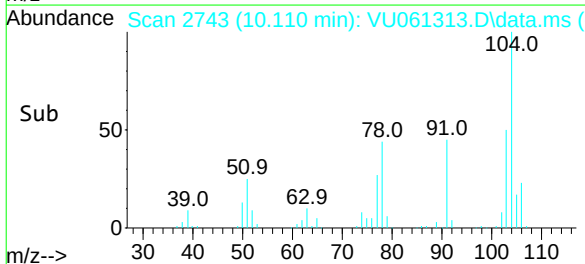
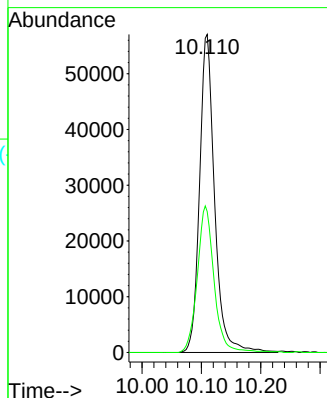
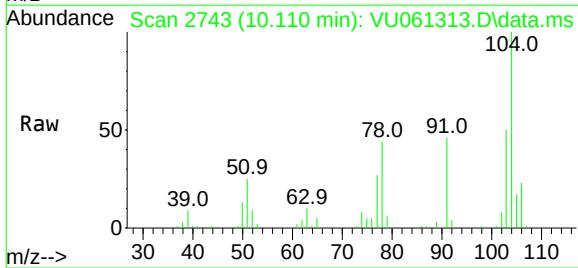
GCP34DL

Tgt Ion:104 Resp: 100528

Ion Ratio Lower Upper

104 100

78 44.3 32.3 59.9



#65

1,4-Dichlorobenzene

Concen: 4.148 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. -0.000 min

Lab File: VU061313.D

Acq: 31 Oct 2024 15:51

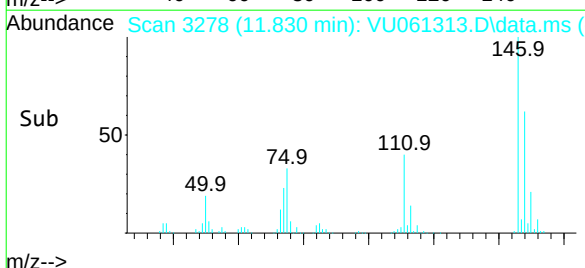
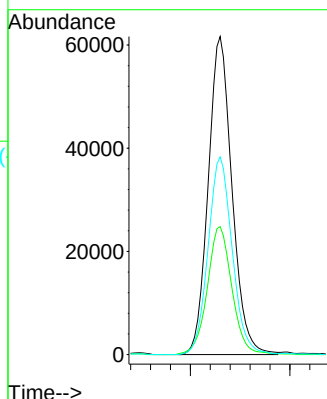
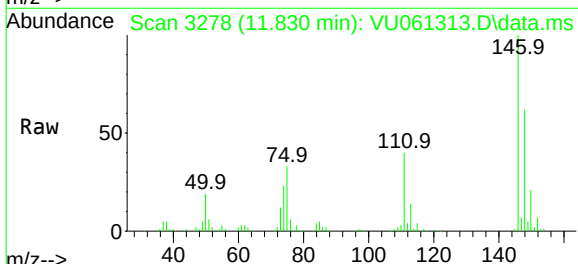
Tgt Ion:146 Resp: 102381

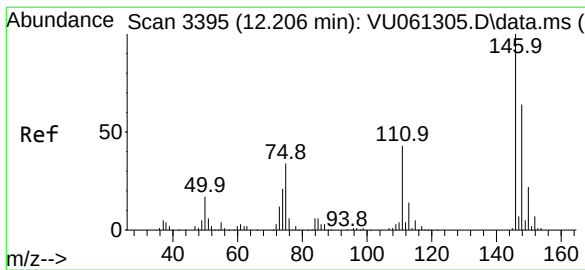
Ion Ratio Lower Upper

146 100

111 40.2 28.2 52.4

148 62.2 43.3 80.3





#67

1,2-Dichlorobenzene

Concen: 5.781 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU061313.D

Acq: 31 Oct 2024 15:51

Instrument :

MSVOA_U

ClientSampleId :

GCP34DL

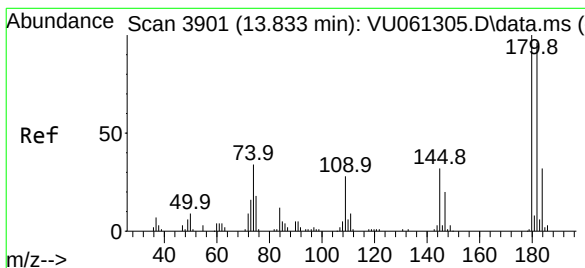
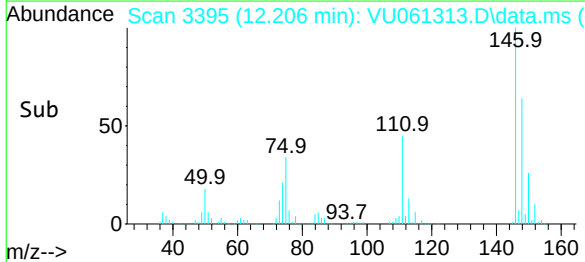
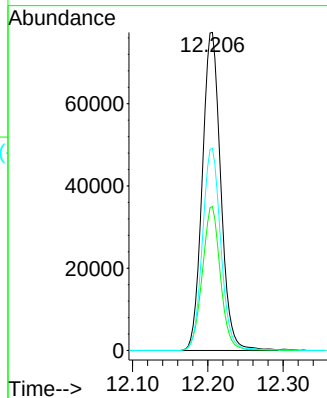
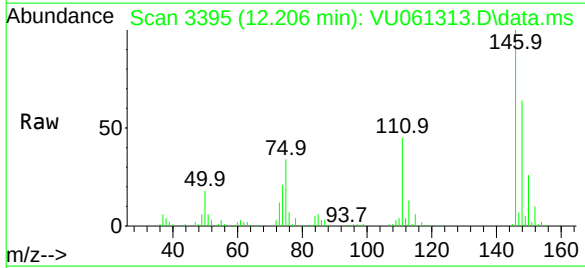
Tgt Ion:146 Resp: 131733

Ion Ratio Lower Upper

146 100

111 45.2 35.2 52.8

148 63.6 51.3 76.9



#70

1,2,4-trichlorobenzene

Concen: 7.827 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.000 min

Lab File: VU061313.D

Acq: 31 Oct 2024 15:51

Tgt Ion:180 Resp: 104825

Ion Ratio Lower Upper

180 100

182 95.2 77.2 115.8

145 30.5 25.6 38.4

