

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122223\
 Data File : VU057201.D
 Acq On : 22 Dec 2023 19:46
 Operator : MD/SY
 Sample : 05894-09DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 22 22:51:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 22 22:46:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	164597	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	164092	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	70890	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	64256	4.084	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.600%
7) Chloroethane-d5	1.914	69	58860	4.545	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.000%
11) 1,1-Dichloroethene-d2	2.563	65	28714	4.213	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.200%
20) 2-Butanone-d5	4.624	46	138902	56.234	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.460%
24) Chloroform-d	5.055	84	146362	4.817	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.400%
26) 1,2-Dichloroethane-d4	5.695	65	70862	4.894	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.800%
32) Benzene-d6	5.721	84	264320	4.696	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.000%
36) 1,2-Dichloropropane-d6	6.682	67	79836	4.985	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.600%
41) Toluene-d8	7.894	98	216430	4.212	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.200%
43) trans-1,3-Dichloroprop...	8.174	79	29740	4.461	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.200%
46) 2-Hexanone-d5	8.627	63	110852	48.834	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.660%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	57561	5.051	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	74640	4.893	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.800%

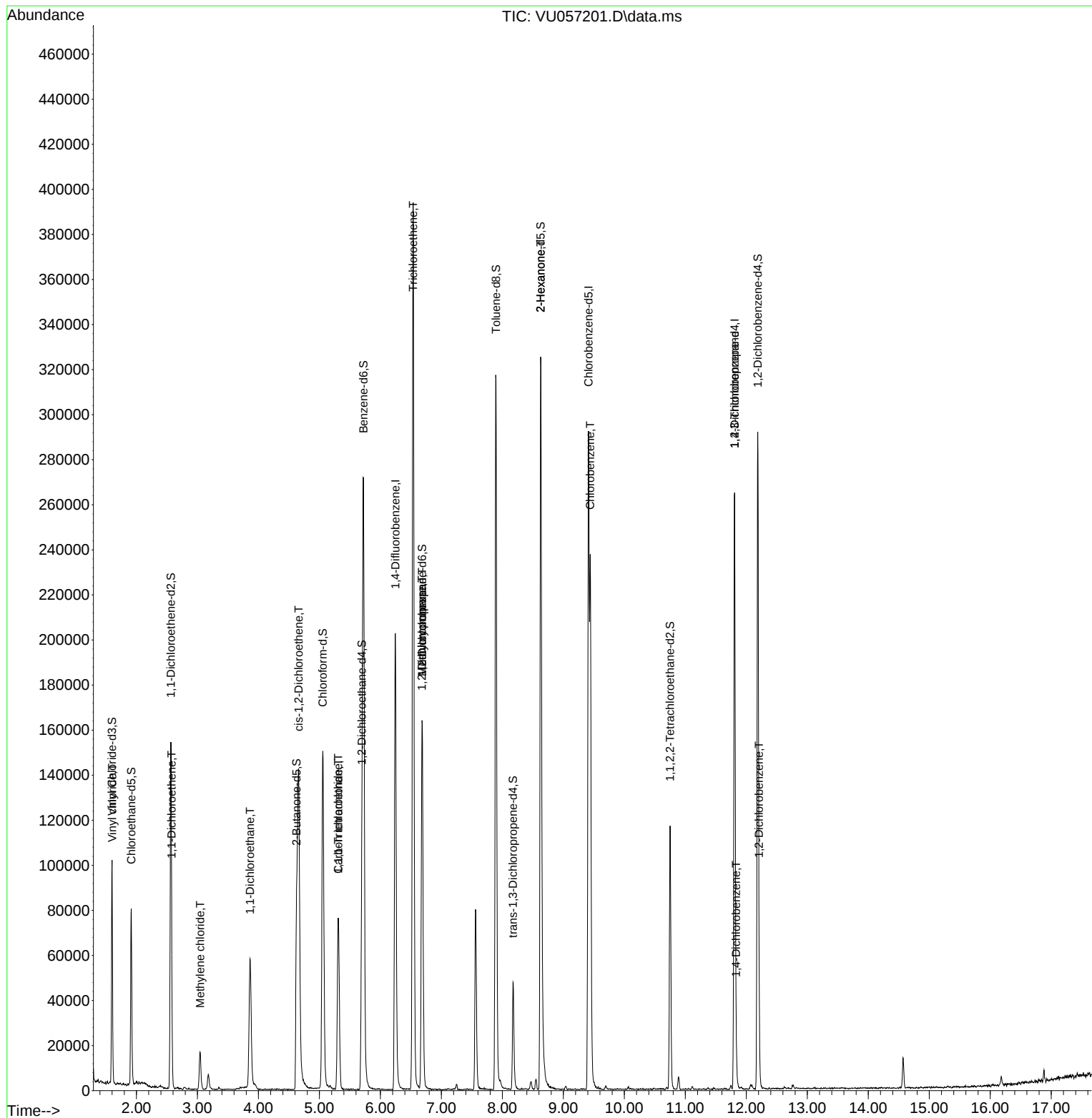
Target Compounds				Qvalue		
5) Vinyl chloride	1.602	62	8266	0.574	ug/L	89
12) 1,1-Dichloroethene	2.576	96	2700	0.219	ug/L #	1
16) Methylene chloride	3.043	84	8718	0.609	ug/L	87
19) 1,1-Dichloroethane	3.862	63	67193	2.822	ug/L	96
22) cis-1,2-Dichloroethene	4.660	96	60570	4.583	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	57886	2.220	ug/L	98
31) Carbon tetrachloride	5.309	117	7253	0.316	ug/L	99
34) Trichloroethene	6.538	95	139235	9.153	ug/L	98
35) Methylcyclohexane	6.682	83	19967	0.997	ug/L #	19
37) 1,2-Dichloropropane	6.679	63	9543	0.737	ug/L #	89
48) 2-Hexanone	8.627	43	16888	4.081	ug/L #	75
51) Chlorobenzene	9.441	112	122093	3.403	ug/L	99
61) 1,2,3-Trichloropropane	11.807	75	9420	1.426	ug/L #	63
65) 1,4-Dichlorobenzene	11.833	146	4639	0.187	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	6122	0.277	ug/L	97

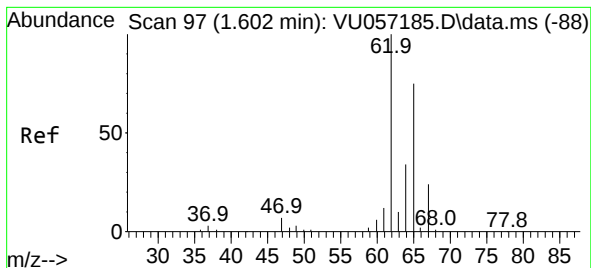
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Dec 22 22:46:58 2023
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.574 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.000 min

Lab File: VU057201.D

Acq: 22 Dec 2023 19:46

Instrument :

MSVOA_U

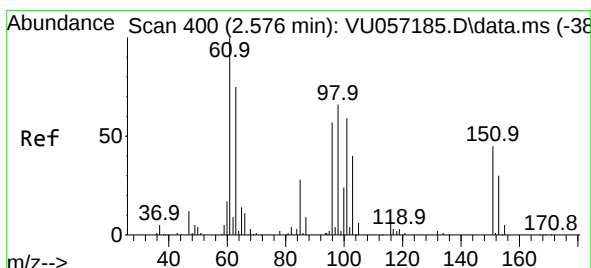
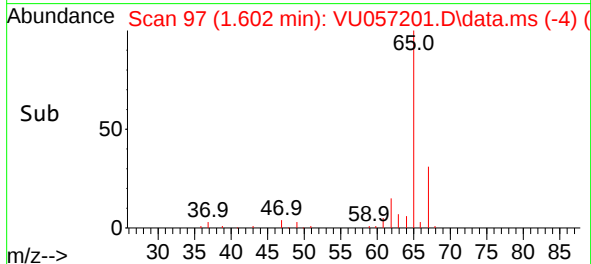
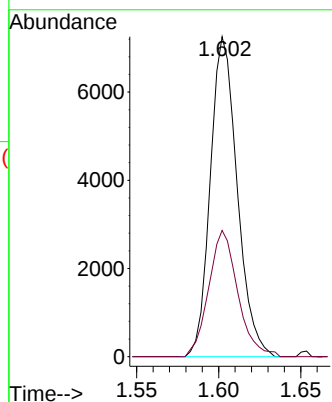
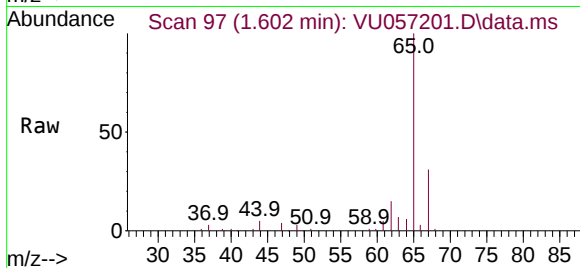
ClientSampleId :

Tgt Ion: 62 Resp: 8266

Ion Ratio Lower Upper

62 100

64 39.4 23.3 43.3



#12

1,1-Dichloroethene

Concen: 0.219 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU057201.D

Acq: 22 Dec 2023 19:46

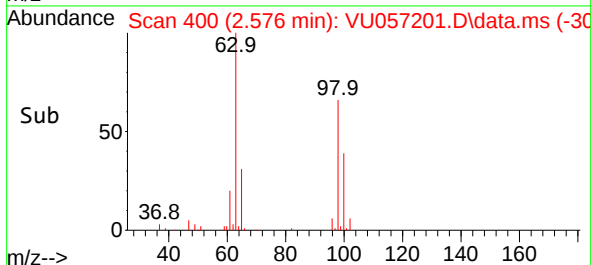
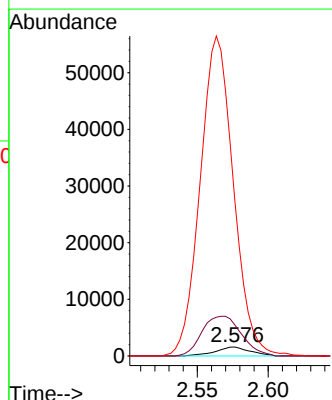
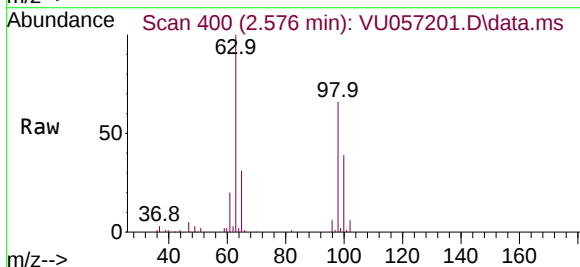
Tgt Ion: 96 Resp: 2700

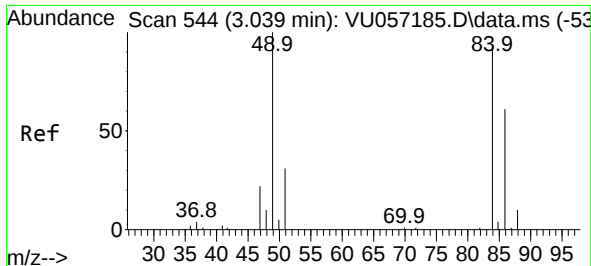
Ion Ratio Lower Upper

96 100

61 350.3 119.6 222.0#

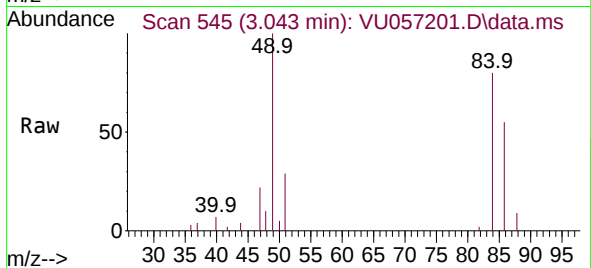
63 1764.9 96.2 178.8#



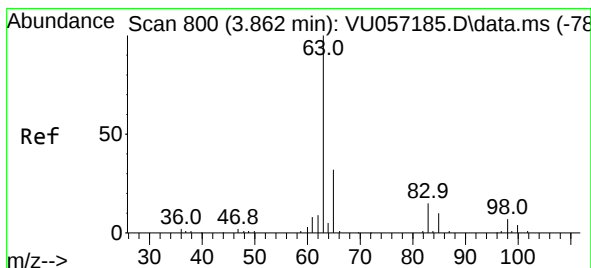
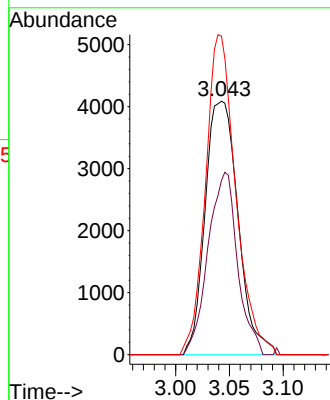
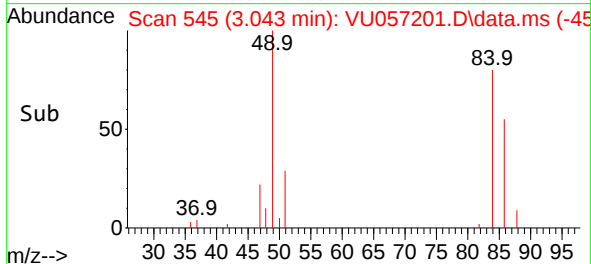


#16
Methylene chloride
Concen: 0.609 ug/L
RT: 3.043 min Scan# 544
Delta R.T. 0.003 min
Lab File: VU057201.D
Acq: 22 Dec 2023 19:46

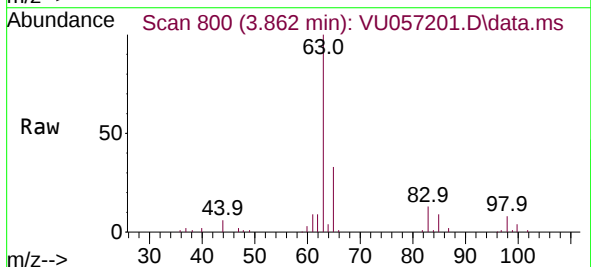
Instrument :
MSVOA_U
ClientSampleId :



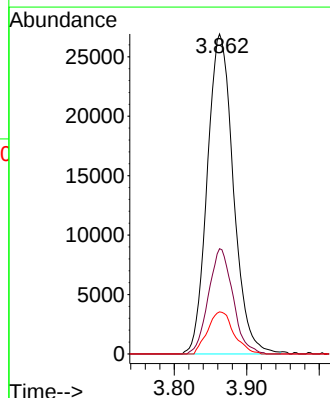
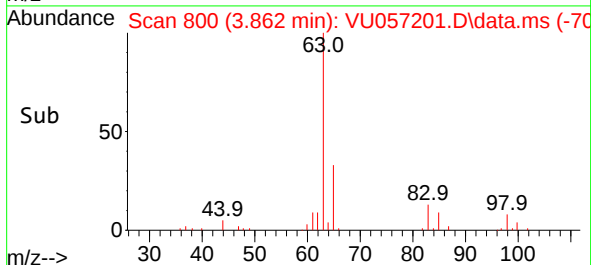
Tgt Ion: 84 Resp: 8718
Ion Ratio Lower Upper
84 100
86 68.7 44.7 82.9
49 125.7 76.0 141.2

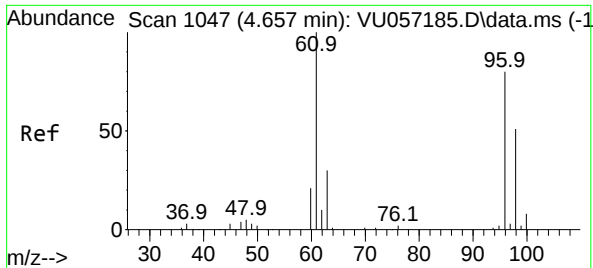


#19
1,1-Dichloroethane
Concen: 2.822 ug/L
RT: 3.862 min Scan# 800
Delta R.T. -0.000 min
Lab File: VU057201.D
Acq: 22 Dec 2023 19:46



Tgt Ion: 63 Resp: 67193
Ion Ratio Lower Upper
63 100
65 32.9 21.6 40.2
83 13.2 10.2 19.0





#22

cis-1,2-Dichloroethene

Concen: 4.583 ug/L

RT: 4.660 min Scan# 1047

Delta R.T. 0.003 min

Lab File: VU057201.D

Acq: 22 Dec 2023 19:46

Instrument :

MSVOA_U

ClientSampleId :

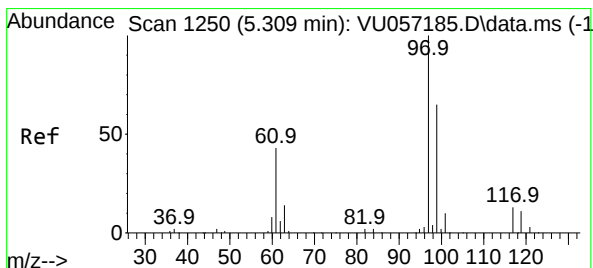
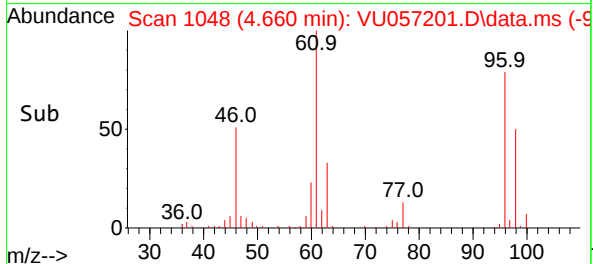
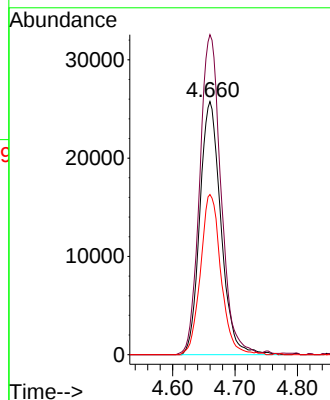
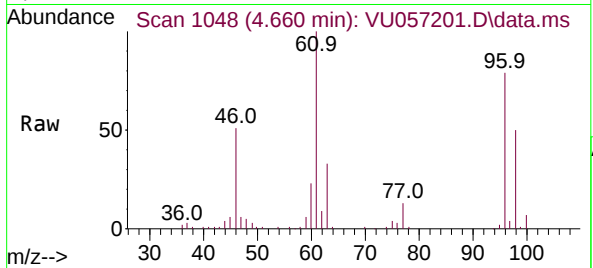
Tgt Ion: 96 Resp: 60570

Ion Ratio Lower Upper

96 100

61 126.4 86.8 161.2

98 63.3 45.5 84.5



#29

1,1,1-Trichloroethane

Concen: 2.220 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.000 min

Lab File: VU057201.D

Acq: 22 Dec 2023 19:46

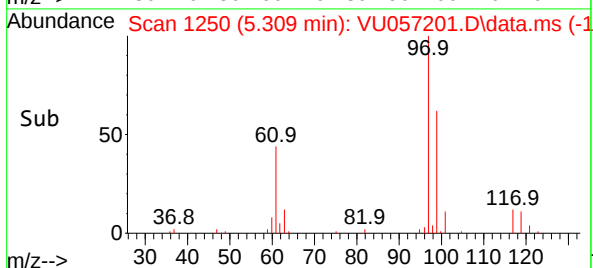
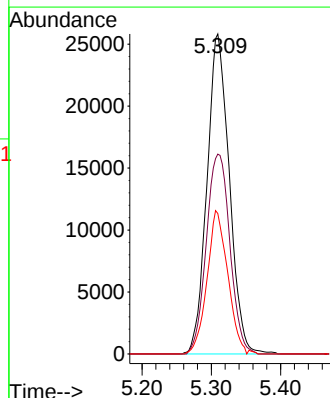
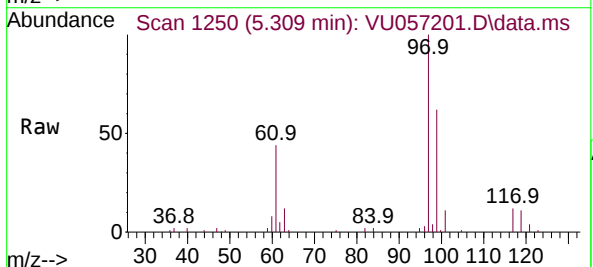
Tgt Ion: 97 Resp: 57886

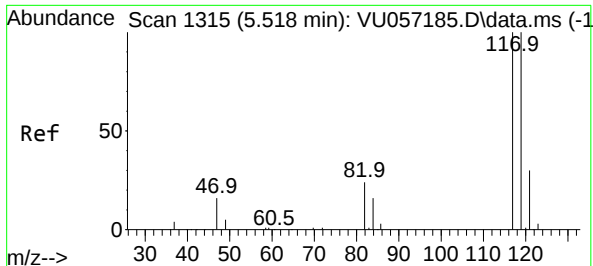
Ion Ratio Lower Upper

97 100

99 65.8 51.2 76.8

61 41.4 32.5 48.7

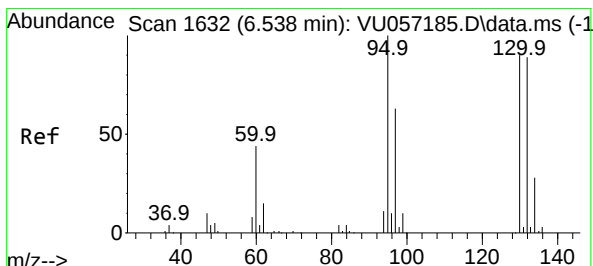
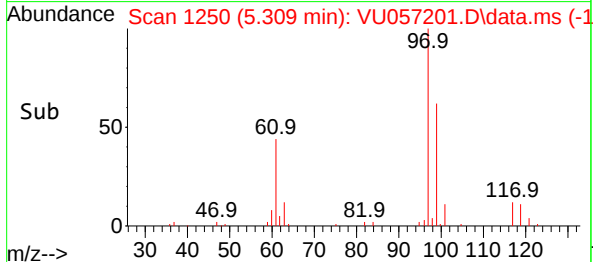
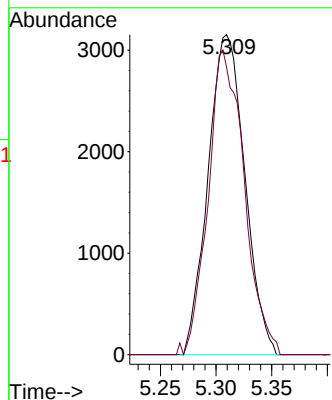
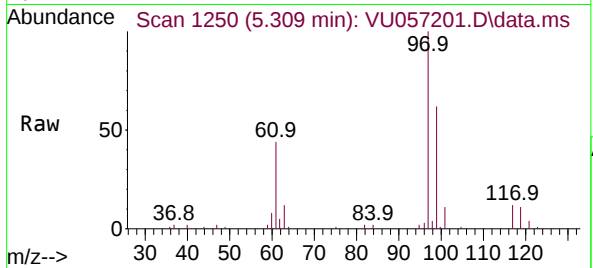




#31
Carbon tetrachloride
Concen: 0.316 ug/L
RT: 5.309 min Scan# 117
Delta R.T. -0.209 min
Lab File: VU057201.D
Acq: 22 Dec 2023 19:46

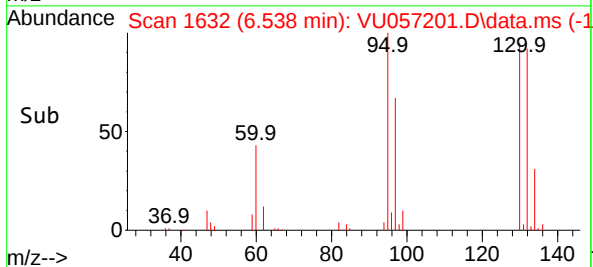
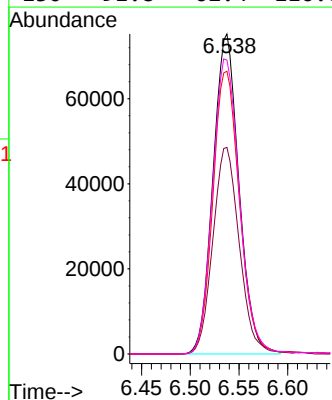
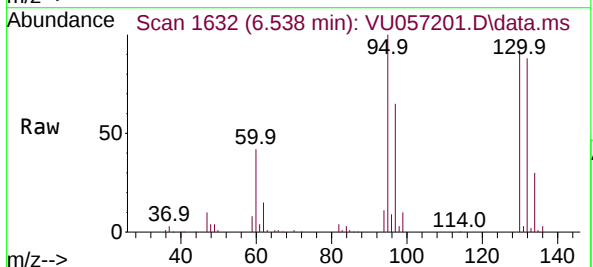
Instrument :
MSVOA_U
ClientSampleId :

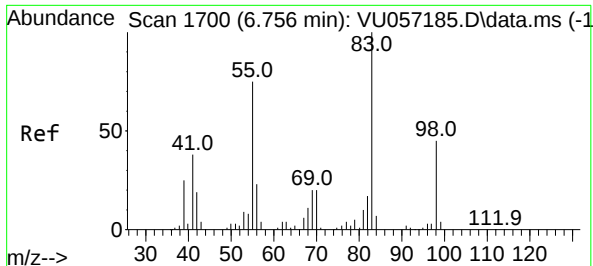
Tgt Ion:117 Resp: 7253
Ion Ratio Lower Upper
117 100
119 93.0 75.1 112.7



#34
Trichloroethene
Concen: 9.153 ug/L
RT: 6.538 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VU057201.D
Acq: 22 Dec 2023 19:46

Tgt Ion: 95 Resp: 139235
Ion Ratio Lower Upper
95 100
97 64.6 44.3 82.3
132 88.3 62.6 116.2
130 91.8 62.4 116.0





#35

Methylcyclohexane

Concen: 0.997 ug/L

RT: 6.682 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU057201.D

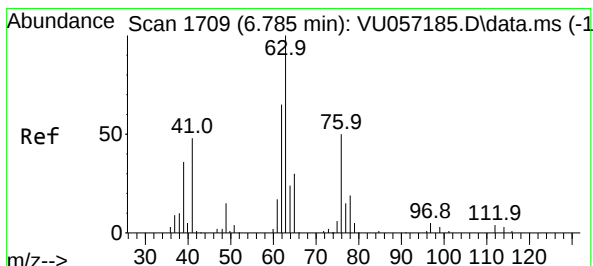
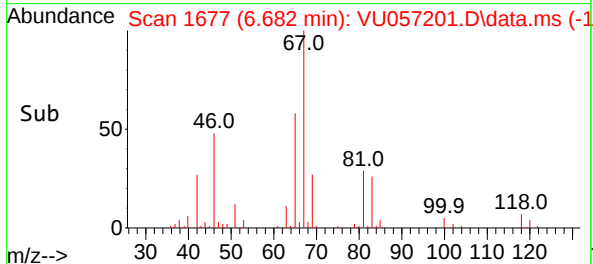
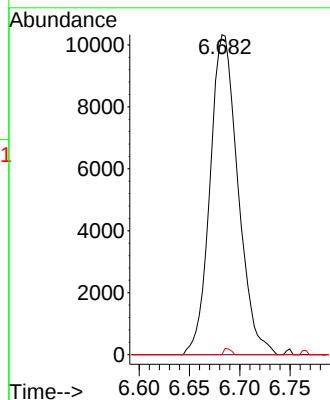
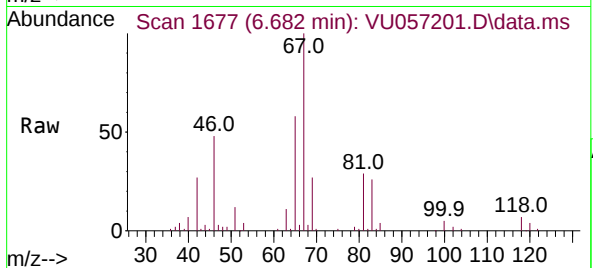
Acq: 22 Dec 2023 19:46

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 83	Resp: 19967
Ion Ratio	Lower Upper
83 100	
55 0.0	61.3 91.9#
98 1.0	36.6 55.0#



#37

1,2-Dichloropropane

Concen: 0.737 ug/L

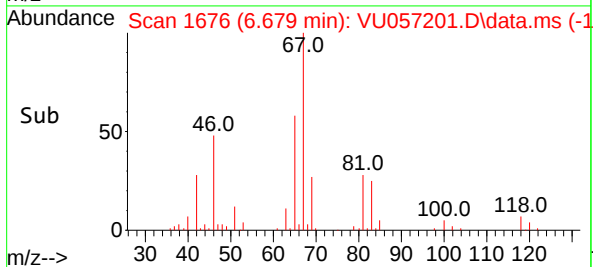
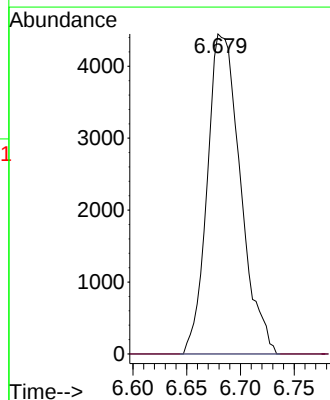
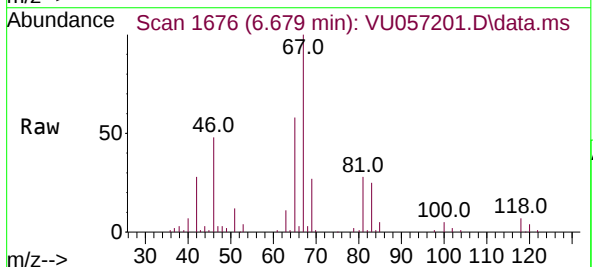
RT: 6.679 min Scan# 1676

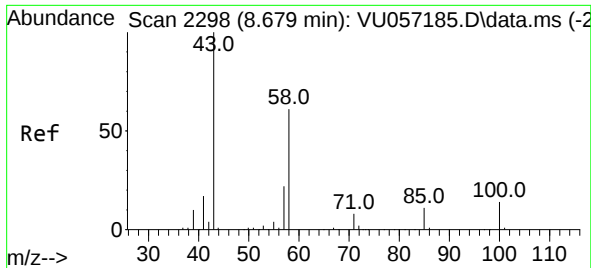
Delta R.T. -0.106 min

Lab File: VU057201.D

Acq: 22 Dec 2023 19:46

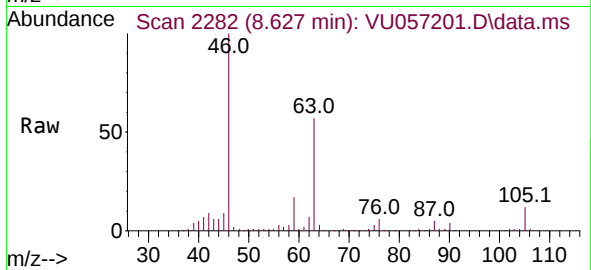
Tgt Ion: 63	Resp: 9543
Ion Ratio	Lower Upper
63 100	
112 0.2	3.1 4.7#



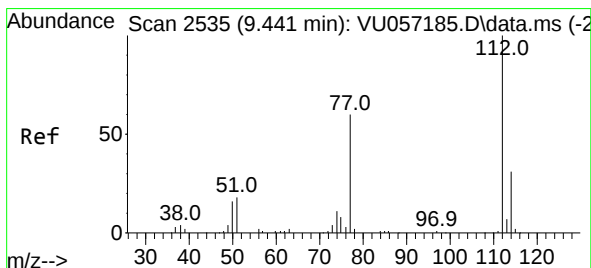
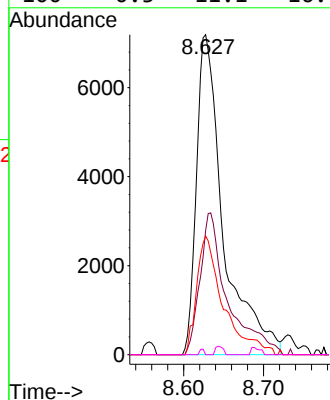
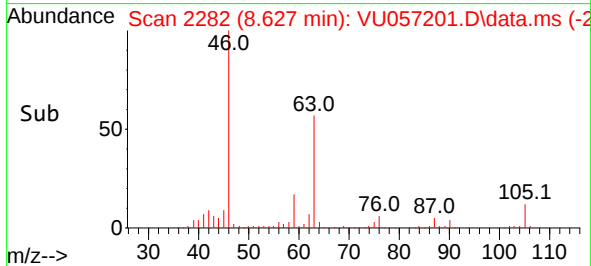


#48
2-Hexanone
Concen: 4.081 ug/L
RT: 8.627 min Scan# 21
Delta R.T. -0.051 min
Lab File: VU057201.D
Acq: 22 Dec 2023 19:46

Instrument :
MSVOA_U
ClientSampleId :

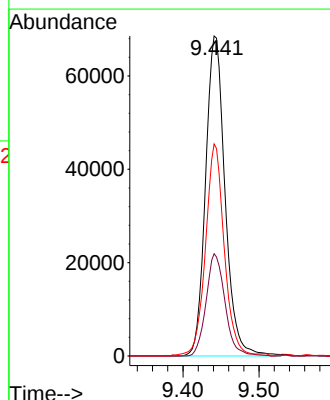
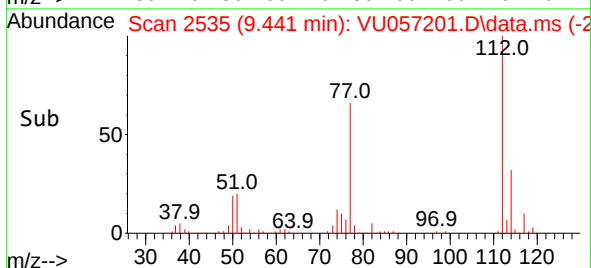
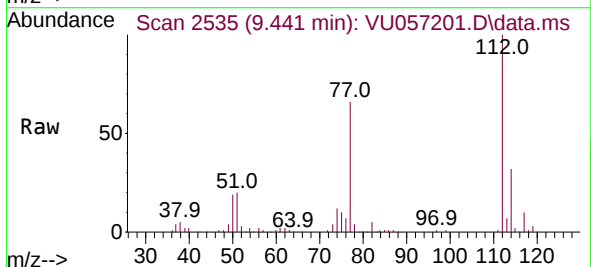


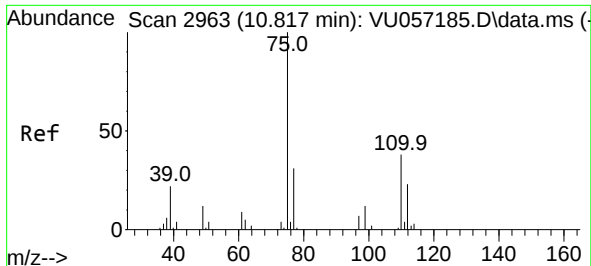
Tgt Ion: 43 Resp: 16888
Ion Ratio Lower Upper
43 100
58 45.2 49.8 74.8#
57 36.6 18.5 27.7#
100 0.3 11.1 16.7#



#51
Chlorobenzene
Concen: 3.403 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.000 min
Lab File: VU057201.D
Acq: 22 Dec 2023 19:46

Tgt Ion: 112 Resp: 122093
Ion Ratio Lower Upper
112 100
114 31.9 22.7 42.1
77 66.3 52.2 78.2

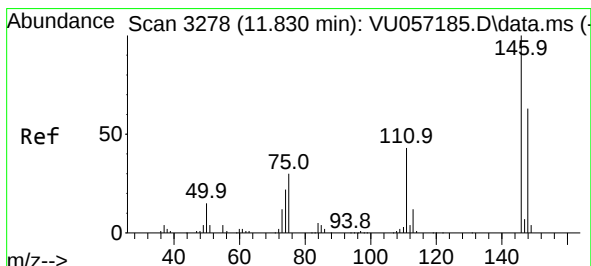
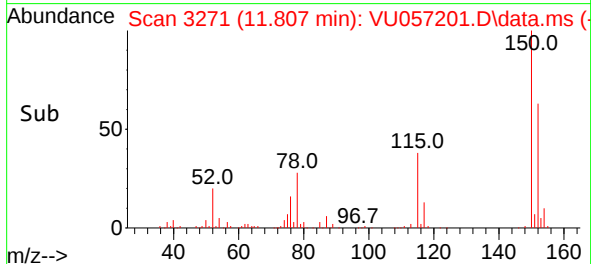
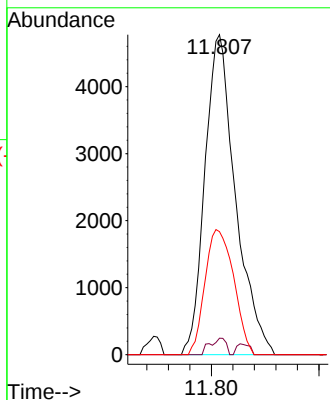
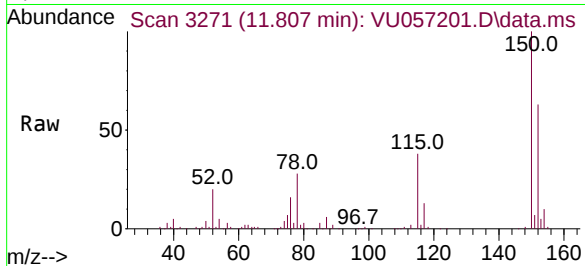




#61
1,2,3-Trichloropropane
Concen: 1.426 ug/L
RT: 11.807 min Scan# 31
Delta R.T. 0.990 min
Lab File: VU057201.D
Acq: 22 Dec 2023 19:46

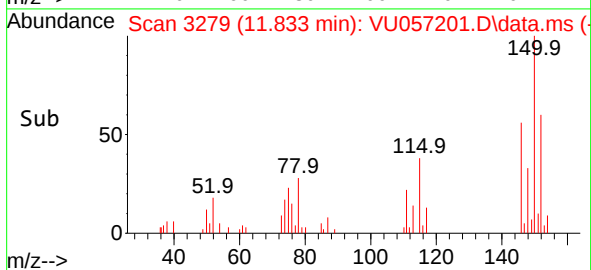
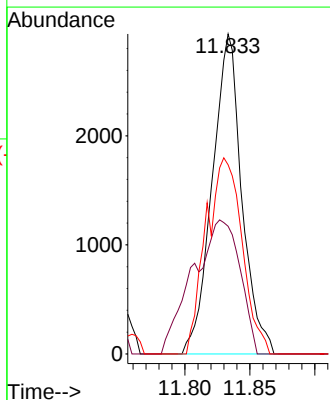
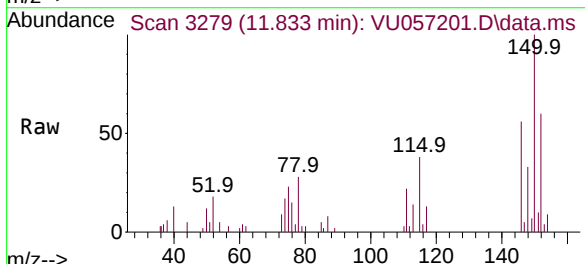
Instrument :
MSVOA_U
ClientSampleId :

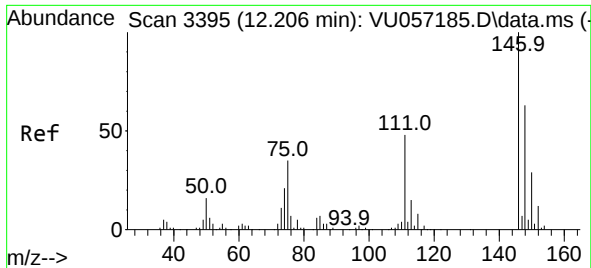
Tgt Ion: 75 Resp: 9420
Ion Ratio Lower Upper
75 100
110 2.7 31.2 46.8#
77 36.7 25.5 38.3



#65
1,4-Dichlorobenzene
Concen: 0.187 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU057201.D
Acq: 22 Dec 2023 19:46

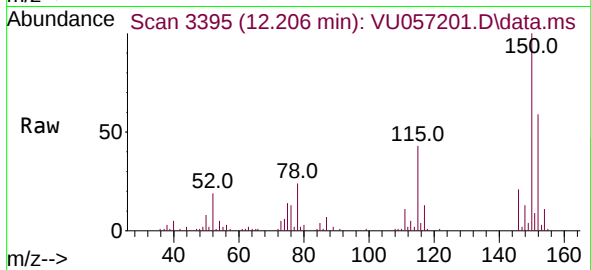
Tgt Ion:146 Resp: 4639
Ion Ratio Lower Upper
146 100
111 39.9 28.1 52.3
148 59.1 43.0 79.8





#67
 1,2-Dichlorobenzene
 Concen: 0.277 ug/L
 RT: 12.206 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU057201.D
 Acq: 22 Dec 2023 19:46

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	146	Resp:	6122
Ion	Ratio	Lower	Upper
146	100		
111	52.2	37.9	56.9
148	62.9	50.1	75.1

