

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122223\
 Data File : VU057194.D
 Acq On : 22 Dec 2023 16:57
 Operator : MD/SY
 Sample : 05894-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 22 22:49:35 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	162742	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	163134	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	73057	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	68645	4.413	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.200%
7) Chloroethane-d5	1.914	69	63453	4.956	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.200%
11) 1,1-Dichloroethene-d2	2.563	65	31287	4.642	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.800%
20) 2-Butanone-d5	4.627	46	146936	60.164	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.320%
24) Chloroform-d	5.055	84	148970	4.959	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.200%
26) 1,2-Dichloroethane-d4	5.695	65	74223	5.185	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.600%
32) Benzene-d6	5.721	84	270440	4.833	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.600%
36) 1,2-Dichloropropane-d6	6.685	67	82932	5.208	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.200%
41) Toluene-d8	7.894	98	226136	4.427	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.600%
43) trans-1,3-Dichloroprop...	8.174	79	29331	4.425	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.600%
46) 2-Hexanone-d5	8.627	63	119238	52.837	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.680%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	62299	5.498	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	82730	5.262	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.200%
Target Compounds						
5) Vinyl chloride	1.602	62	9723	0.683	ug/L #	72
8) Chloroethane	1.933	64	32860	3.638	ug/L	97
12) 1,1-Dichloroethene	2.573	96	2925	0.240	ug/L #	1
19) 1,1-Dichloroethane	3.859	63	228597	9.709	ug/L	99
22) cis-1,2-Dichloroethene	4.656	96	86987	6.657	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	388130	14.971	ug/L	99
31) Carbon tetrachloride	5.309	117	47155	2.068	ug/L	99
34) Trichloroethene	6.534	95	147971	9.784	ug/L	98
35) Methylcyclohexane	6.685	83	21787	1.094	ug/L #	19
37) 1,2-Dichloropropane	6.682	63	9065	0.705	ug/L #	93
39) cis-1,3-Dichloropropene	7.563	75	2286	0.118	ug/L	96
47) Tetrachloroethene	8.547	164	5744	0.530	ug/L	89
48) 2-Hexanone	8.631	43	18941	4.603	ug/L #	75
49) Dibromochloromethane	8.550	129	6483	0.563	ug/L #	10
51) Chlorobenzene	9.441	112	10185	0.286	ug/L	92
61) 1,2,3-Trichloropropane	11.807	75	10709	1.573	ug/L #	67
65) 1,4-Dichlorobenzene	11.833	146	7597	0.296	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	15994	0.702	ug/L	97

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

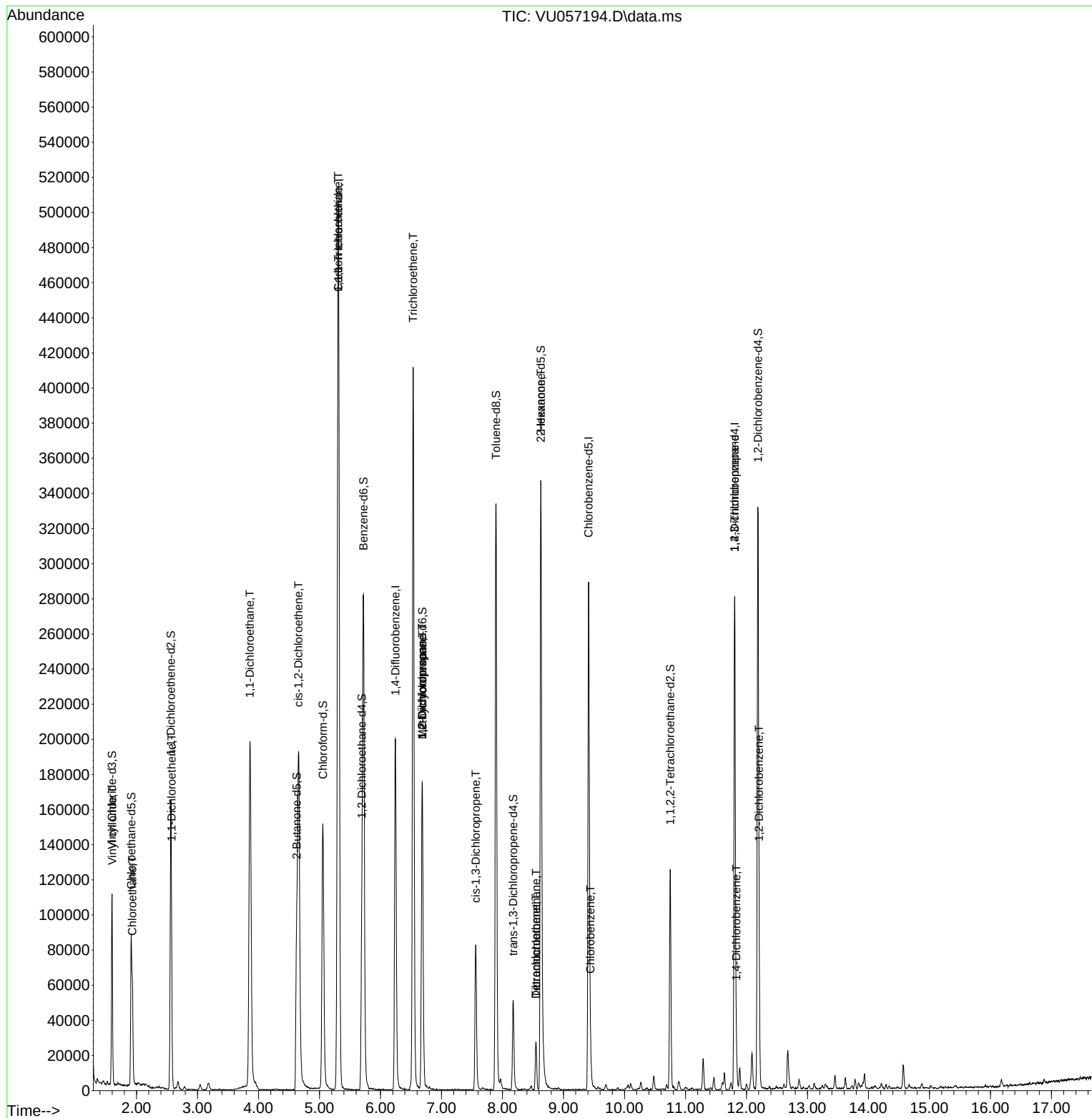
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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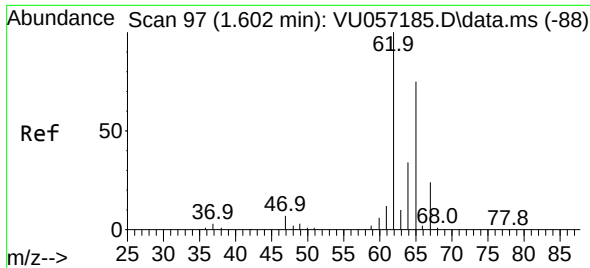
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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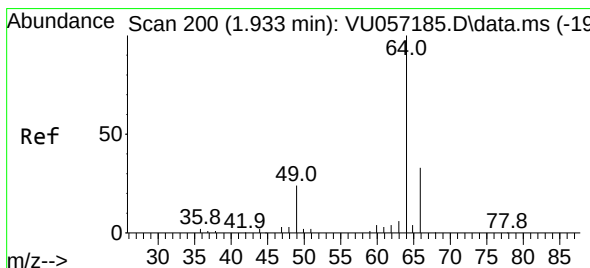
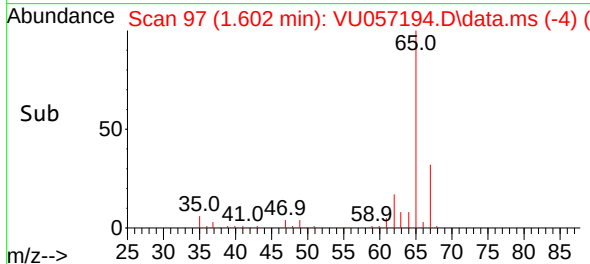
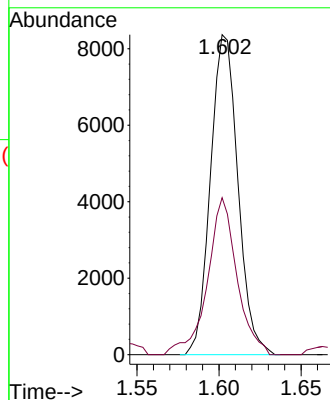
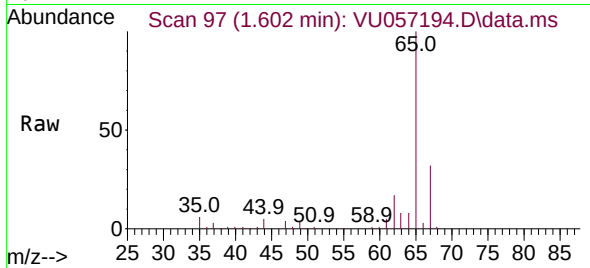




#5
 Vinyl chloride
 Concen: 0.683 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU057194.D
 Acq: 22 Dec 2023 16:57

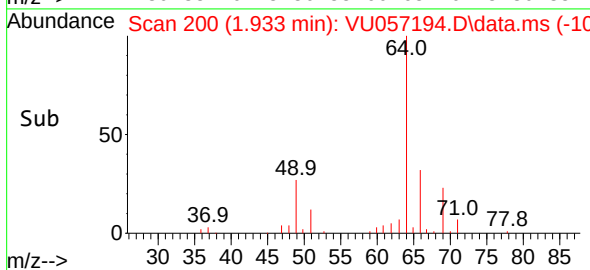
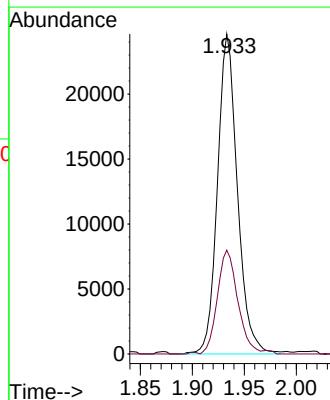
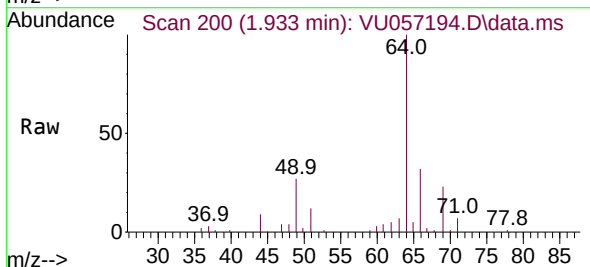
Instrument :
 MSVOA_U
 ClientSampleId :

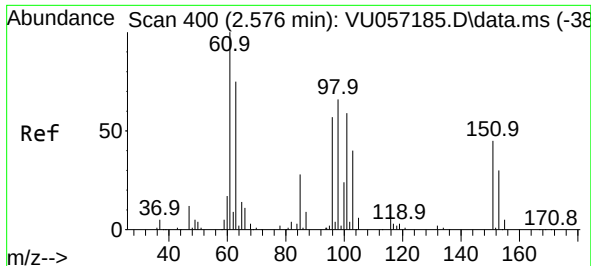
Tgt Ion: 62 Resp: 9723
 Ion Ratio Lower Upper
 62 100
 64 49.0 23.3 43.3#



#8
 Chloroethane
 Concen: 3.638 ug/L
 RT: 1.933 min Scan# 200
 Delta R.T. -0.000 min
 Lab File: VU057194.D
 Acq: 22 Dec 2023 16:57

Tgt Ion: 64 Resp: 32860
 Ion Ratio Lower Upper
 64 100
 66 32.5 21.6 40.2





#12

1,1-Dichloroethene

Concen: 0.240 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.003 min

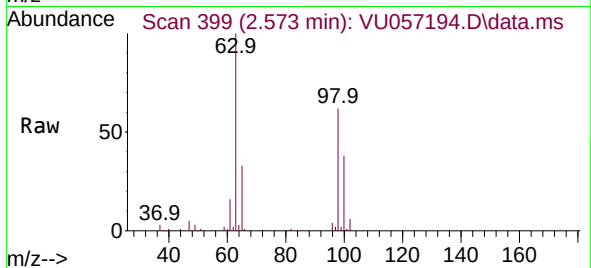
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Acq: 22 Dec 2023 16:57

Instrument :

MSVOA_U

ClientSampleId :



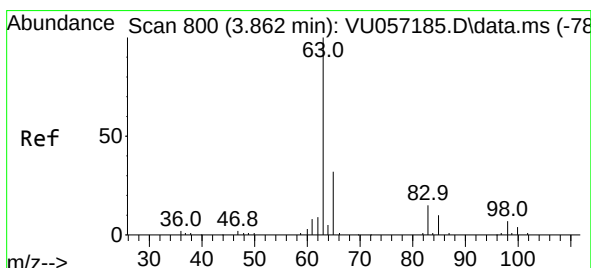
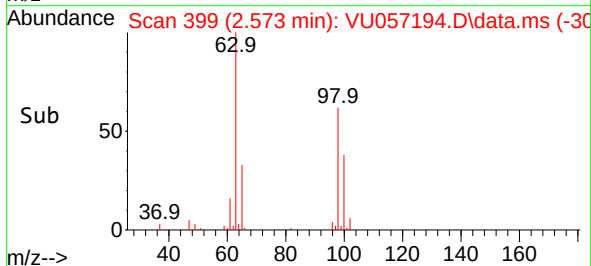
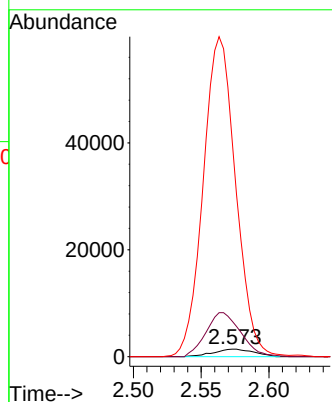
Tgt Ion: 96 Resp: 2925

Ion Ratio Lower Upper

96 100

61 468.4 119.6 222.0#

63 2844.5 96.2 178.8#



#19

1,1-Dichloroethane

Concen: 9.709 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.003 min

Lab File: VU057194.D

Acq: 22 Dec 2023 16:57

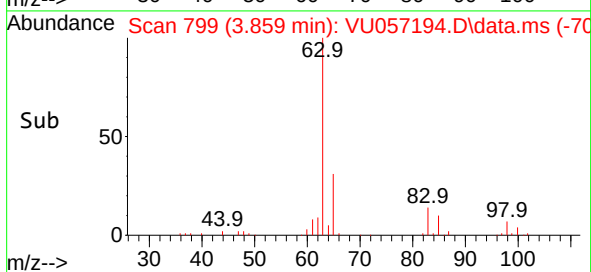
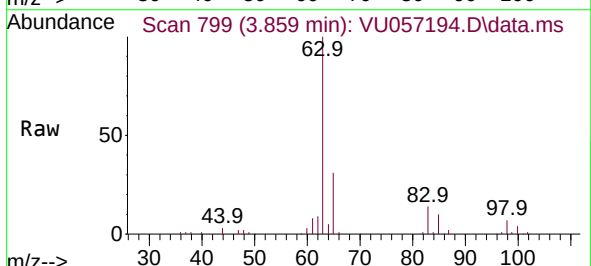
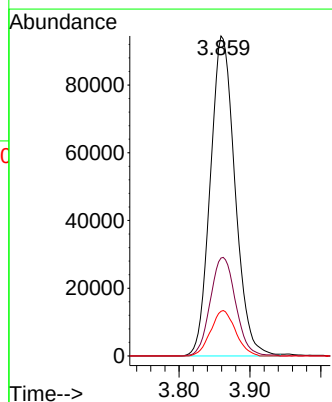
Tgt Ion: 63 Resp: 228597

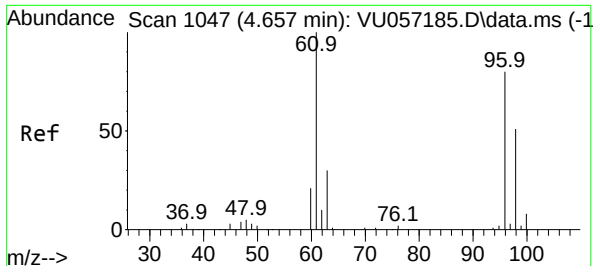
Ion Ratio Lower Upper

63 100

65 30.6 21.6 40.2

83 13.9 10.2 19.0

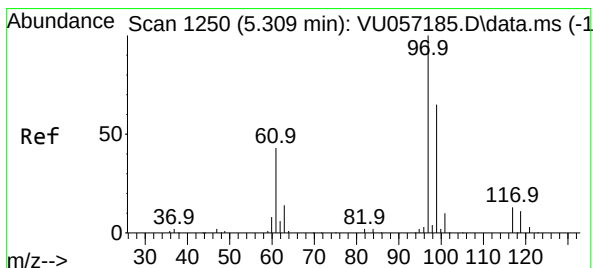
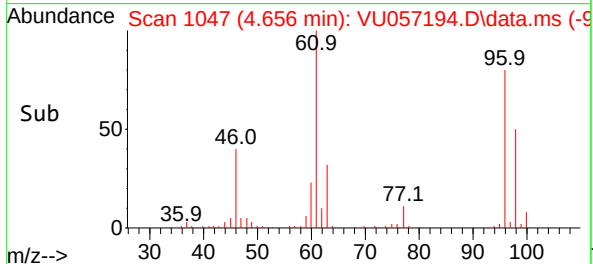
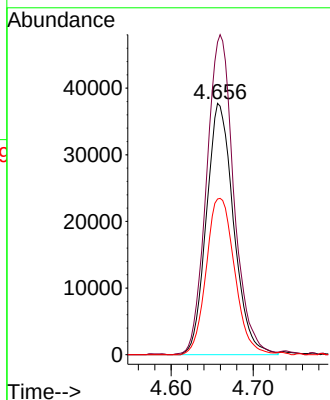
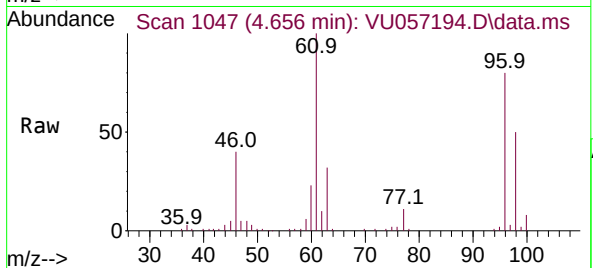




#22
 cis-1,2-Dichloroethene
 Concen: 6.657 ug/L
 RT: 4.656 min Scan# 1047
 Delta R.T. -0.000 min
 Lab File: VU057194.D
 Acq: 22 Dec 2023 16:57

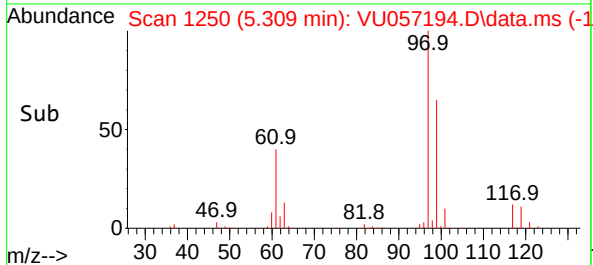
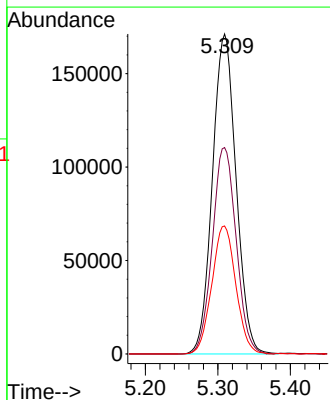
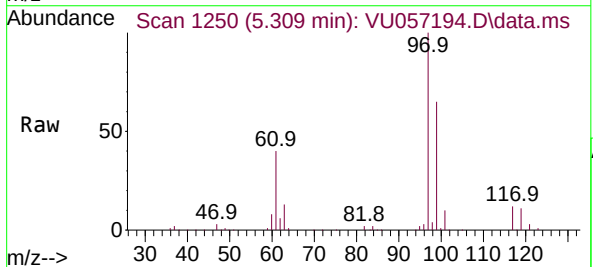
Instrument :
 MSVOA_U
 ClientSampleId :

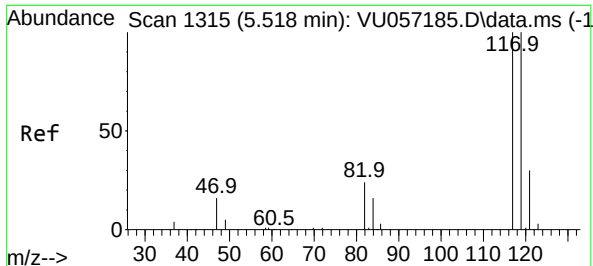
Tgt Ion: 96 Resp: 86987
 Ion Ratio Lower Upper
 96 100
 61 124.4 86.8 161.2
 98 62.0 45.5 84.5



#29
 1,1,1-Trichloroethane
 Concen: 14.971 ug/L
 RT: 5.309 min Scan# 1250
 Delta R.T. -0.000 min
 Lab File: VU057194.D
 Acq: 22 Dec 2023 16:57

Tgt Ion: 97 Resp: 388130
 Ion Ratio Lower Upper
 97 100
 99 64.9 51.2 76.8
 61 40.6 32.5 48.7

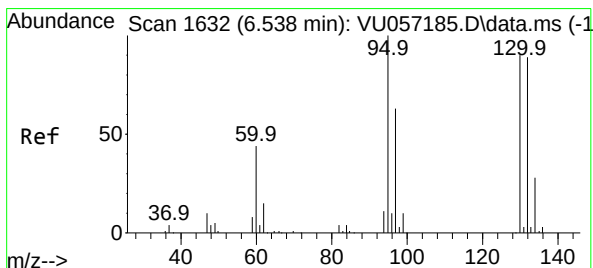
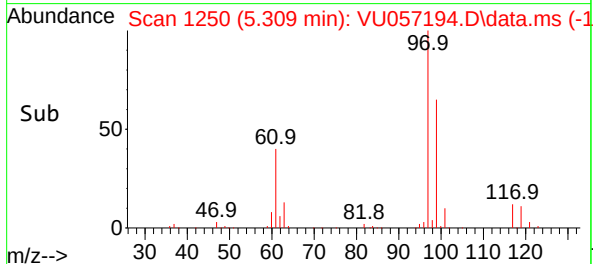
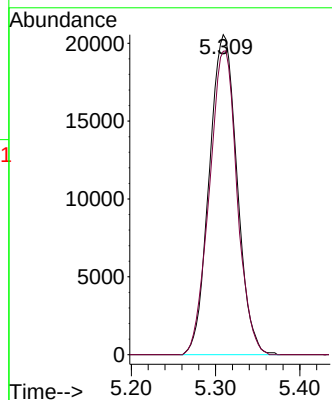
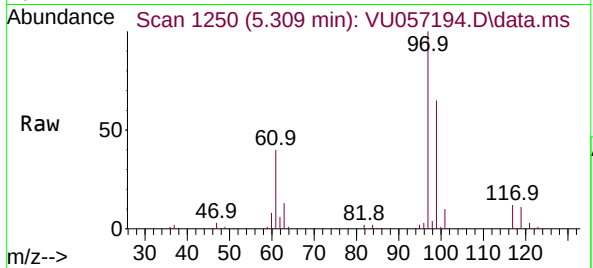




#31
Carbon tetrachloride
Concen: 2.068 ug/L
RT: 5.309 min Scan# 117
Delta R.T. -0.209 min
Lab File: VU057194.D
Acq: 22 Dec 2023 16:57

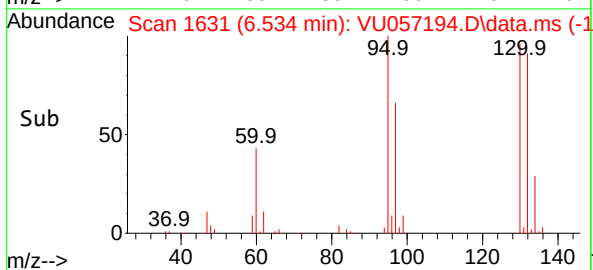
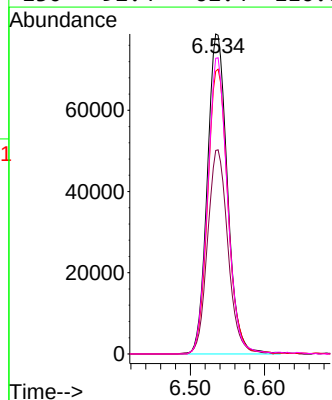
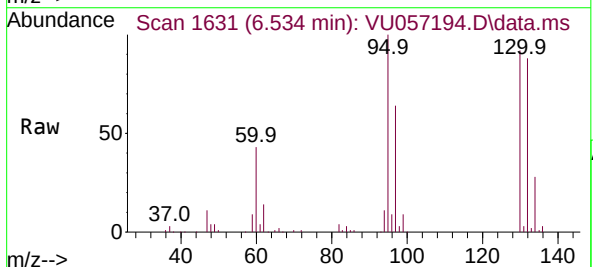
Instrument :
MSVOA_U
ClientSampleId :

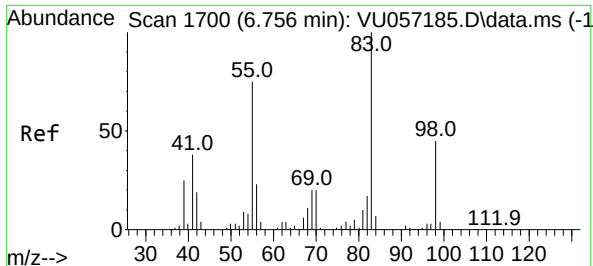
Tgt Ion:117 Resp: 47155
Ion Ratio Lower Upper
117 100
119 94.7 75.1 112.7



#34
Trichloroethene
Concen: 9.784 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. -0.003 min
Lab File: VU057194.D
Acq: 22 Dec 2023 16:57

Tgt Ion: 95 Resp: 147971
Ion Ratio Lower Upper
95 100
97 63.6 44.3 82.3
132 88.4 62.6 116.2
130 92.4 62.4 116.0

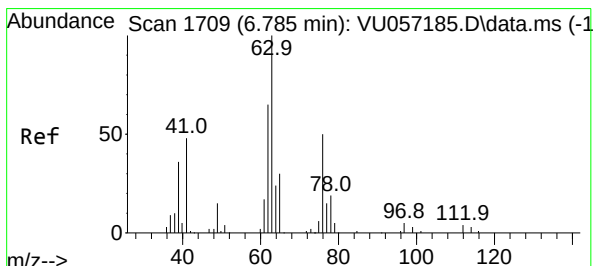
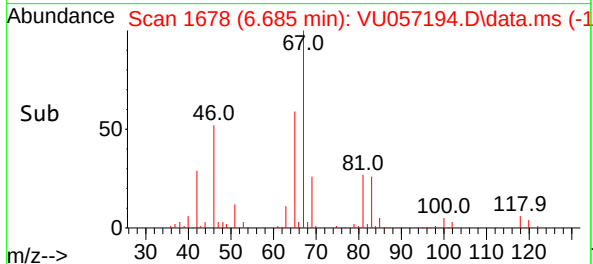
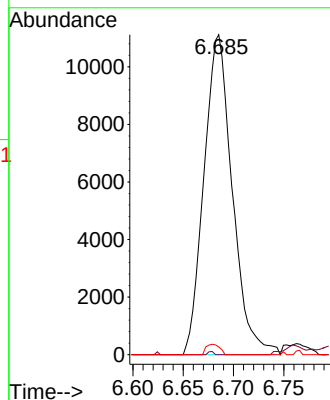
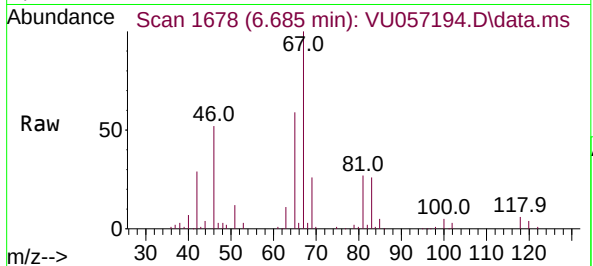




#35
Methylcyclohexane
Concen: 1.094 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.071 min
Lab File: VU057194.D
Acq: 22 Dec 2023 16:57

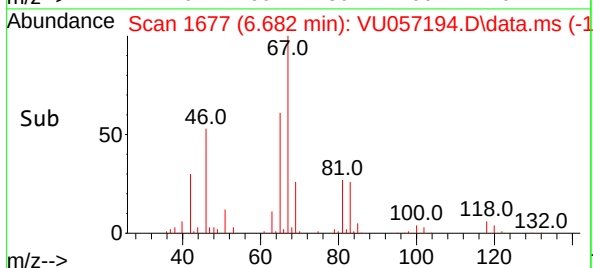
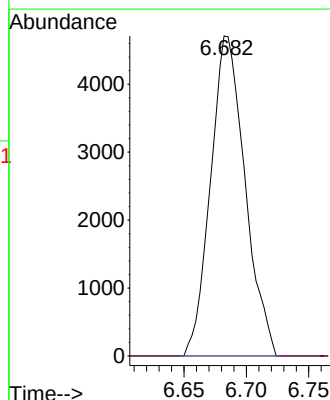
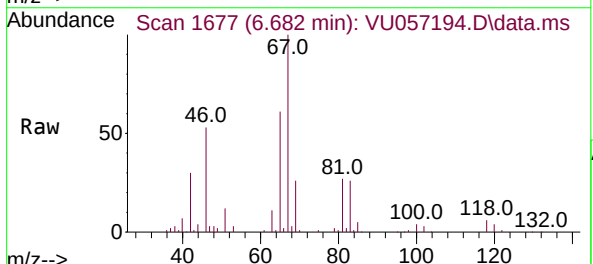
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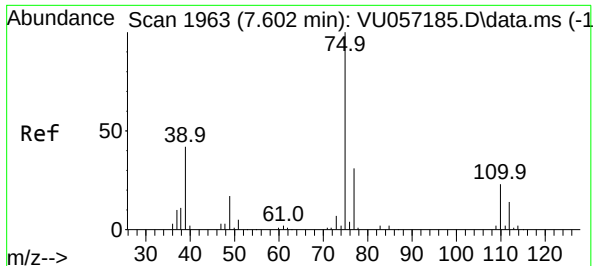
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.2	61.3	91.9#
98	1.6	36.6	55.0#



#37
1,2-Dichloropropane
Concen: 0.705 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.103 min
Lab File: VU057194.D
Acq: 22 Dec 2023 16:57

Tgt Ion	Ratio	Lower	Upper
63	100		
112	1.6	3.1	4.7#





#39

cis-1,3-Dichloropropene

Concen: 0.118 ug/L

RT: 7.563 min Scan# 1963

Delta R.T. -0.039 min

Lab File: VU057194.D

Acq: 22 Dec 2023 16:57

Instrument :

MSVOA_U

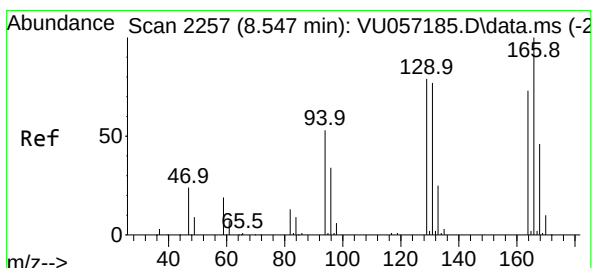
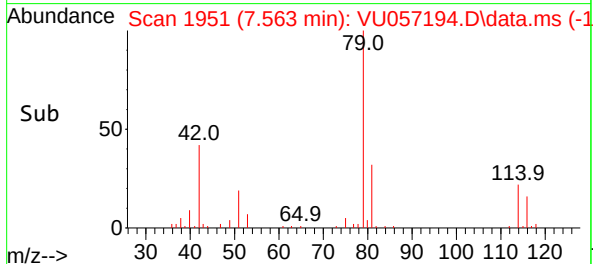
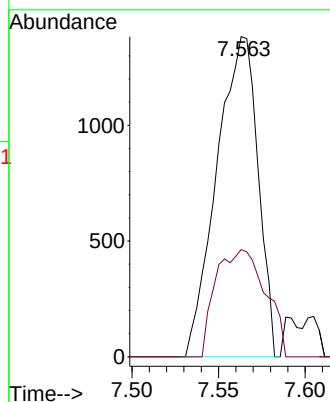
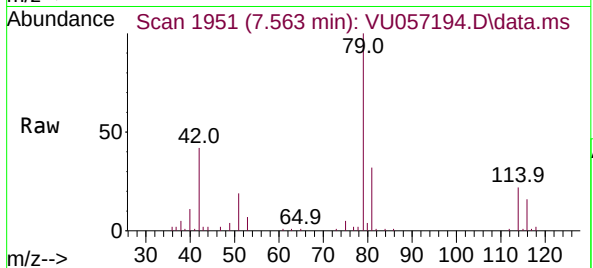
ClientSampleId :

Tgt Ion: 75 Resp: 2286

Ion Ratio Lower Upper

75 100

77 33.5 21.8 40.4



#47

Tetrachloroethene

Concen: 0.530 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.000 min

Lab File: VU057194.D

Acq: 22 Dec 2023 16:57

Tgt Ion: 164 Resp: 5744

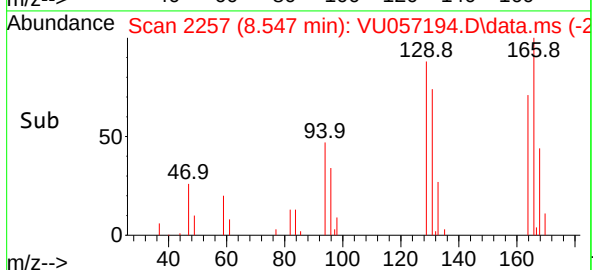
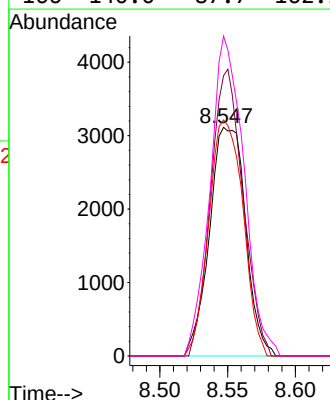
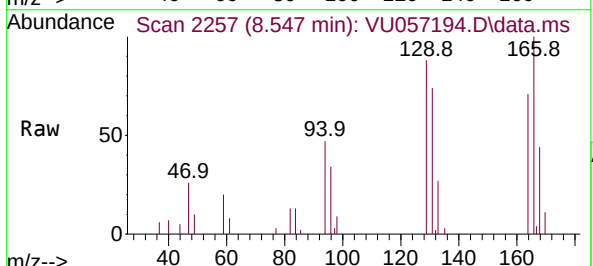
Ion Ratio Lower Upper

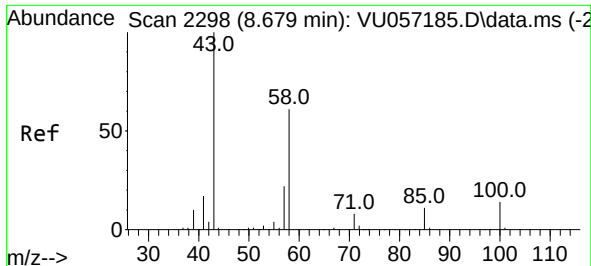
164 100

129 122.6 72.9 135.3

131 103.2 71.7 133.3

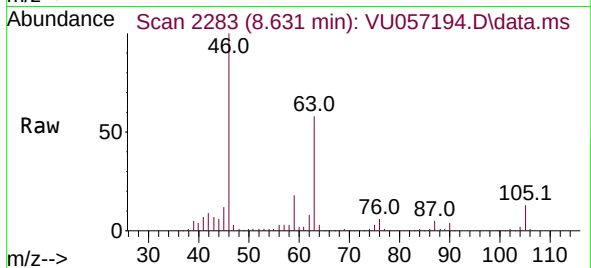
166 140.0 87.7 162.9



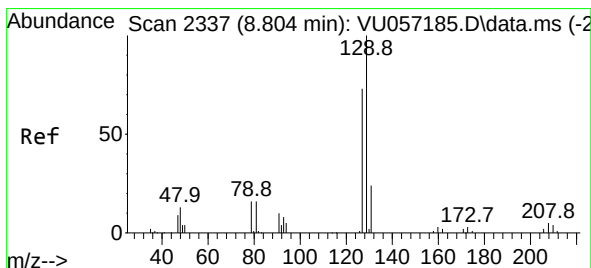
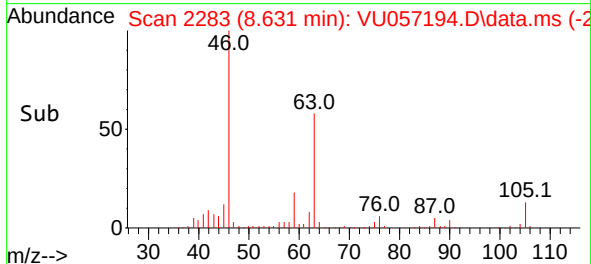
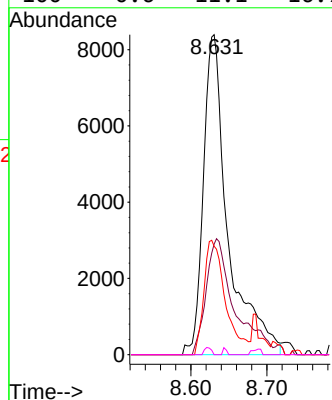


#48
2-Hexanone
Concen: 4.603 ug/L
RT: 8.631 min Scan# 21
Delta R.T. -0.048 min
Lab File: VU057194.D
Acq: 22 Dec 2023 16:57

Instrument :
MSVOA_U
ClientSampleId :

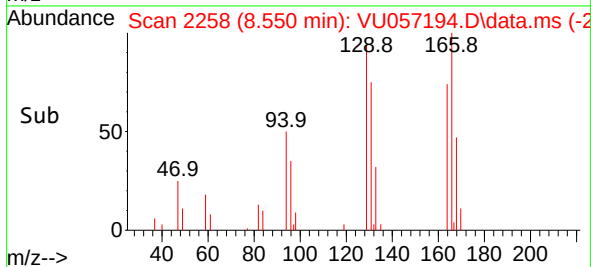
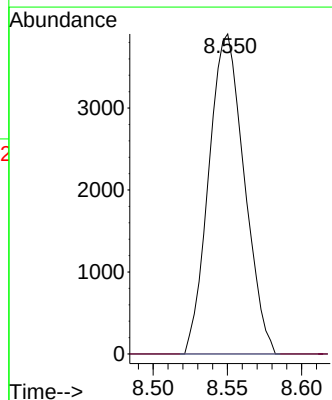
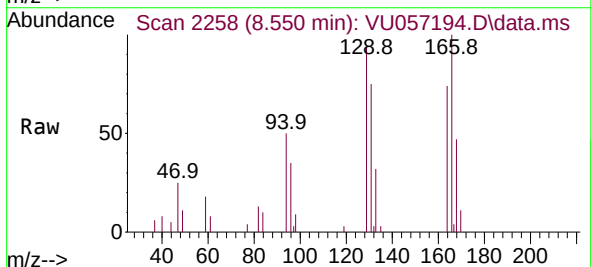


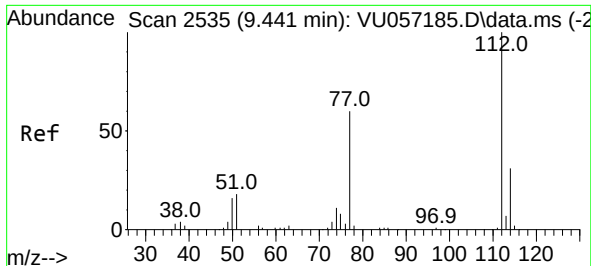
Tgt Ion: 43	Resp: 18941
Ion Ratio	Lower Upper
43 100	
58 41.5	49.8 74.8#
57 31.0	18.5 27.7#
100 0.6	11.1 16.7#



#49
Dibromochloromethane
Concen: 0.563 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.254 min
Lab File: VU057194.D
Acq: 22 Dec 2023 16:57

Tgt Ion:129	Resp:	6483	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.2	102.6#

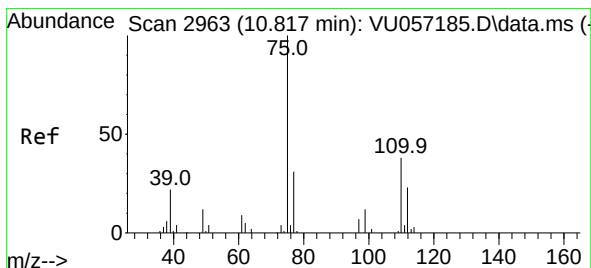
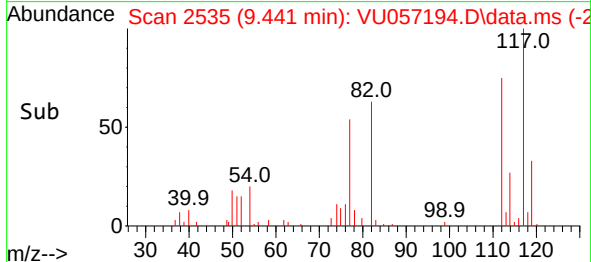
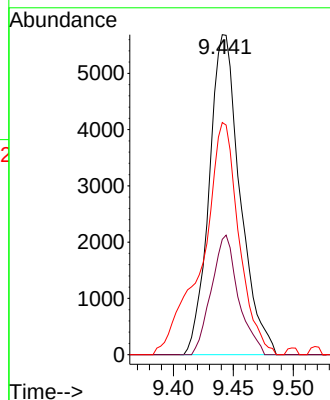
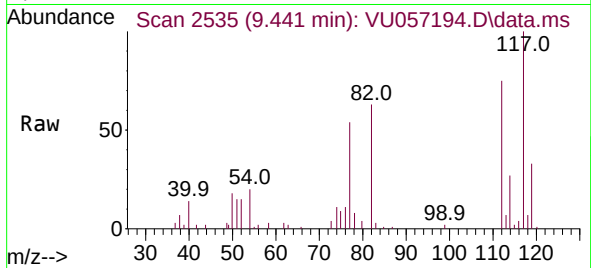




#51
Chlorobenzene
Concen: 0.286 ug/L
RT: 9.441 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU057194.D
Acq: 22 Dec 2023 16:57

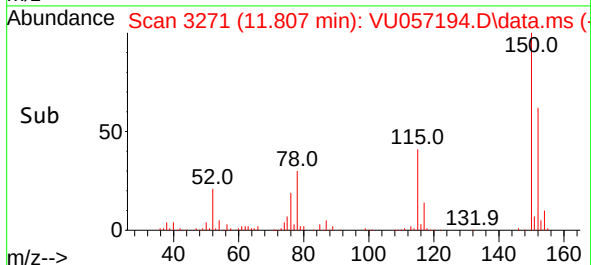
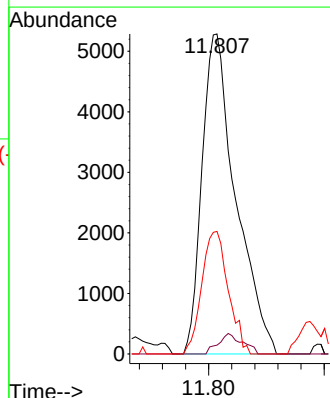
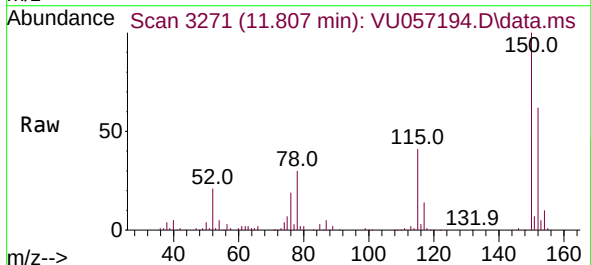
Instrument :
MSVOA_U
ClientSampleId :

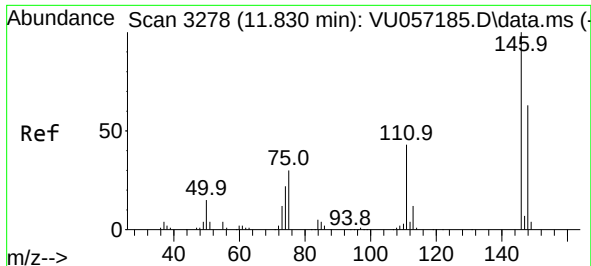
Tgt Ion:112 Resp: 10185
Ion Ratio Lower Upper
112 100
114 36.0 22.7 42.1
77 72.5 52.2 78.2



#61
1,2,3-Trichloropropane
Concen: 1.573 ug/L
RT: 11.807 min Scan# 3271
Delta R.T. 0.990 min
Lab File: VU057194.D
Acq: 22 Dec 2023 16:57

Tgt Ion: 75 Resp: 10709
Ion Ratio Lower Upper
75 100
110 4.6 31.2 46.8#
77 30.0 25.5 38.3

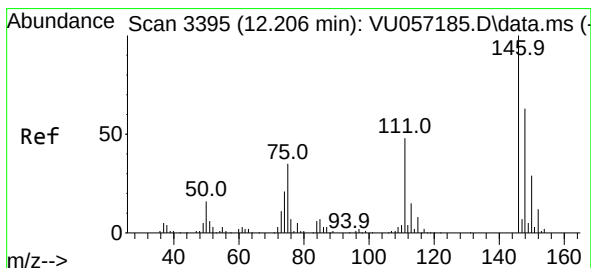
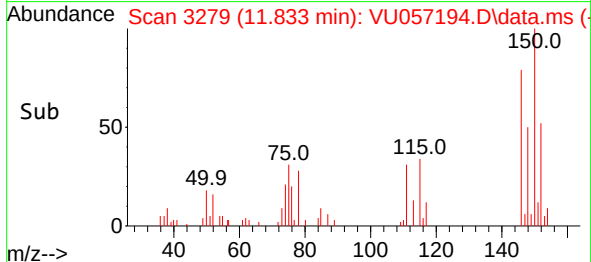
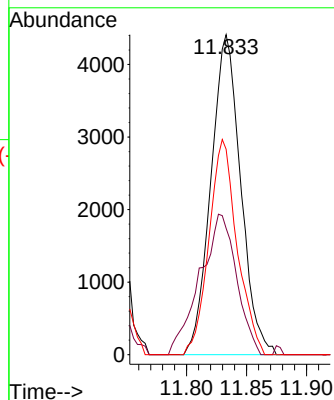
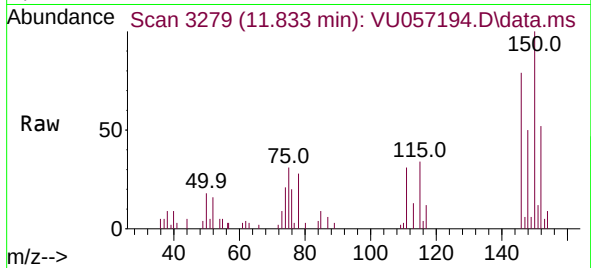




#65
1,4-Dichlorobenzene
Concen: 0.296 ug/L
RT: 11.833 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU057194.D
Acq: 22 Dec 2023 16:57

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:146 Resp: 7597
Ion Ratio Lower Upper
146 100
111 39.5 28.1 52.3
148 64.2 43.0 79.8



#67
1,2-Dichlorobenzene
Concen: 0.702 ug/L
RT: 12.206 min Scan# 3395
Delta R.T. -0.000 min
Lab File: VU057194.D
Acq: 22 Dec 2023 16:57

Tgt Ion:146 Resp: 15994
Ion Ratio Lower Upper
146 100
111 51.3 37.9 56.9
148 61.8 50.1 75.1

