

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092723\
 Data File : VU055561.D
 Acq On : 27 Sep 2023 19:13
 Operator : MD/SY
 Sample : 04530-09DL 50X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 27 23:37:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 27 23:33:30 2023
 Response via : Initial Calibration

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

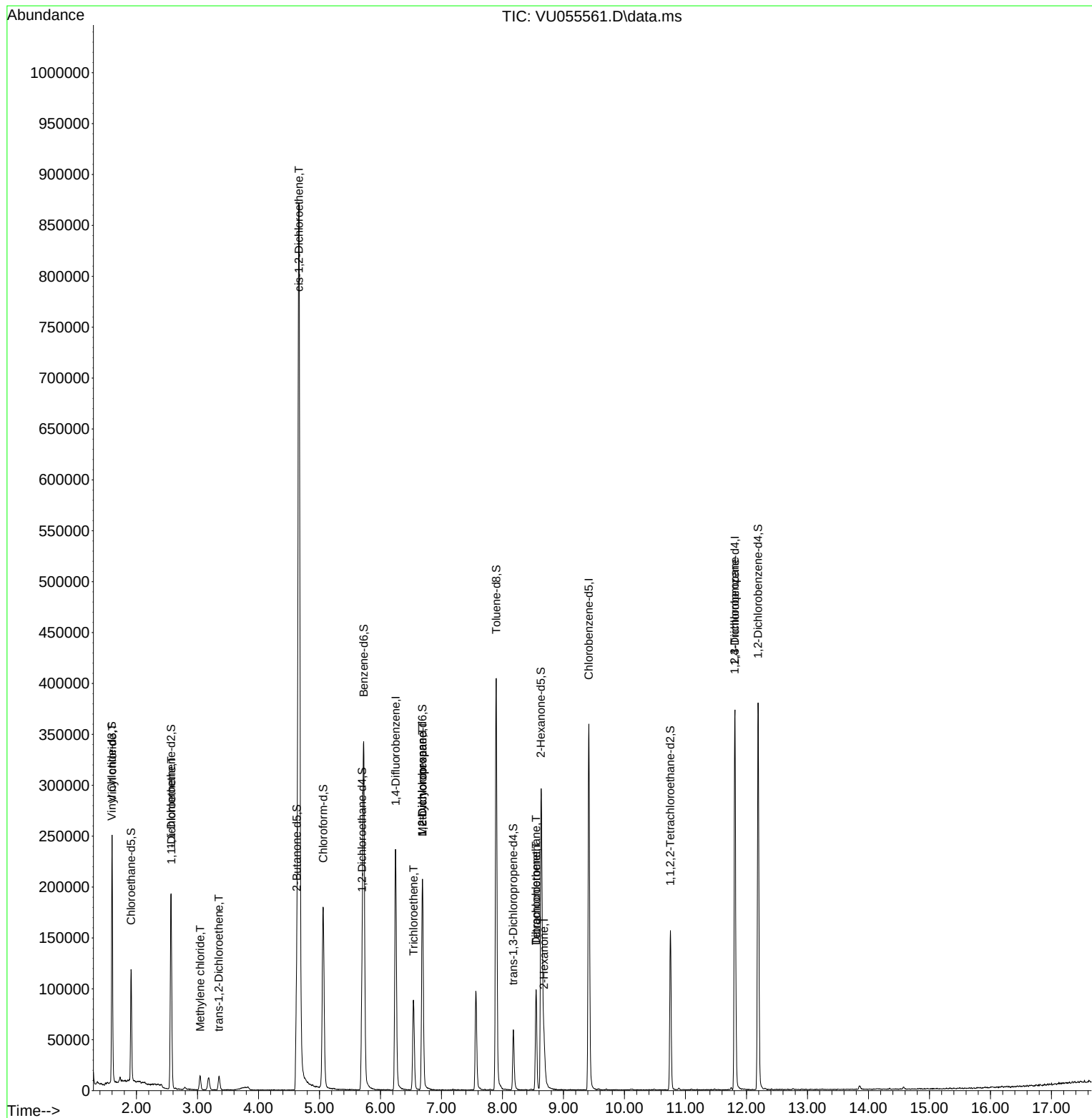
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	200209	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	211158	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	102367	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	91101	4.502	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.000%
7) Chloroethane-d5	1.911	69	77462	4.344	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.800%
11) 1,1-Dichloroethene-d2	2.567	65	35846	4.304	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.000%
20) 2-Butanone-d5	4.628	46	173777	47.546	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.100%
24) Chloroform-d	5.058	84	170145	4.649	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.000%
26) 1,2-Dichloroethane-d4	5.698	65	81359	4.621	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.400%
32) Benzene-d6	5.724	84	334348	4.527	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.600%
36) 1,2-Dichloropropane-d6	6.685	67	104055	4.715	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.400%
41) Toluene-d8	7.898	98	284403	4.225	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.400%
43) trans-1,3-Dichloroprop...	8.177	79	35224	4.548	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.000%
46) 2-Hexanone-d5	8.631	63	94073	39.936	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.880%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	78191	4.728	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.600%
66) 1,2-Dichlorobenzene-d4	12.190	152	101717	4.923	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.400%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	91752	4.960	ug/L	98
12) 1,1-Dichloroethene	2.570	96	2057	0.147	ug/L #	1
16) Methylene chloride	3.046	84	6855	0.409	ug/L	92
18) trans-1,2-Dichloroethene	3.351	96	5637	0.400	ug/L	94
22) cis-1,2-Dichloroethene	4.663	96	459191	28.072	ug/L	98
34) Trichloroethene	6.541	95	29945	1.742	ug/L	97
35) Methylcyclohexane	6.685	83	23524	0.950	ug/L #	20
37) 1,2-Dichloropropane	6.685	63	10784	0.678	ug/L #	89
47) Tetrachloroethene	8.550	164	22430	1.819	ug/L	98
48) 2-Hexanone	8.682	43	20892	3.739	ug/L #	88
49) Dibromochloromethane	8.550	129	21550	1.845	ug/L #	9
61) 1,2,3-Trichloropropane	11.807	75	13554	1.696	ug/L #	64

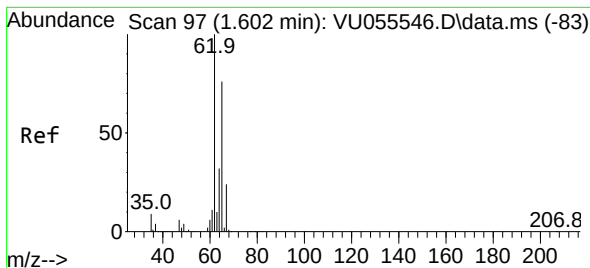
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 4.960 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.000 min

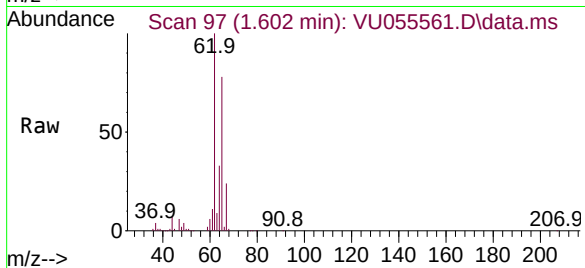
Lab File: VU055561.D

Acq: 27 Sep 2023 19:13

Instrument :

MSVOA_U

ClientSampleId :

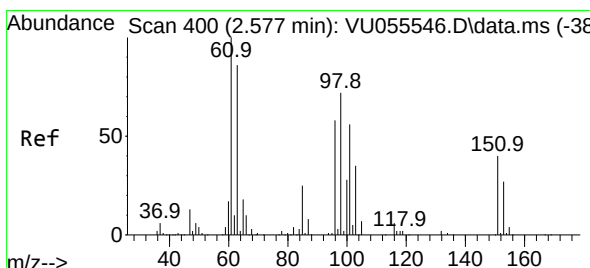
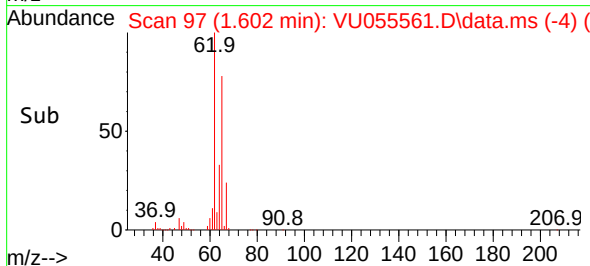
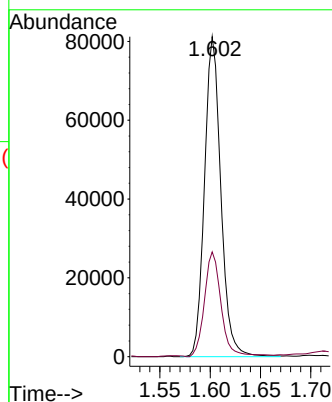


Tgt Ion: 62 Resp: 91752

Ion Ratio Lower Upper

62 100

64 32.7 22.3 41.5



#12

1,1-Dichloroethene

Concen: 0.147 ug/L

RT: 2.570 min Scan# 398

Delta R.T. -0.007 min

Lab File: VU055561.D

Acq: 27 Sep 2023 19:13

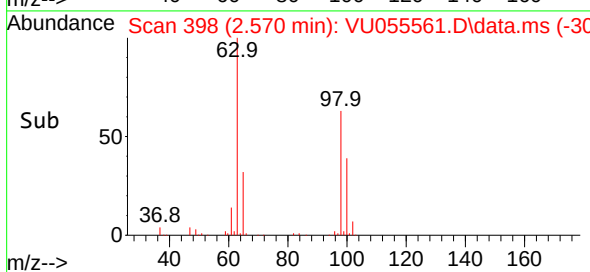
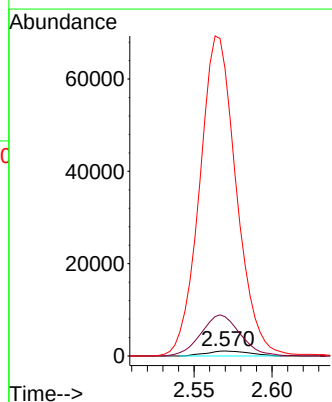
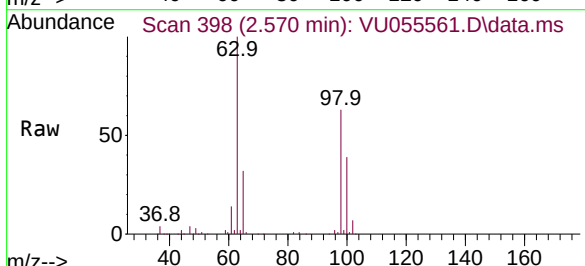
Tgt Ion: 96 Resp: 2057

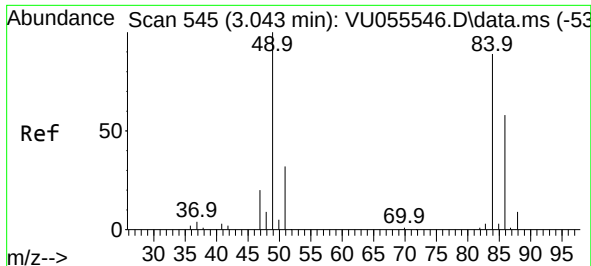
Ion Ratio Lower Upper

96 100

61 792.8 114.5 212.7#

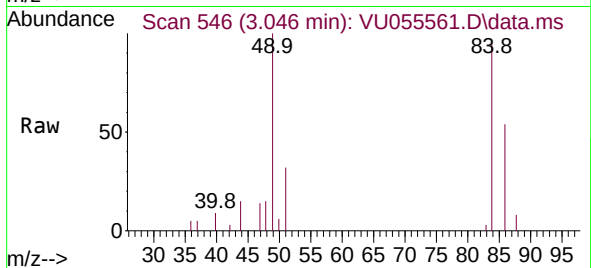
63 5821.3 98.3 182.5#



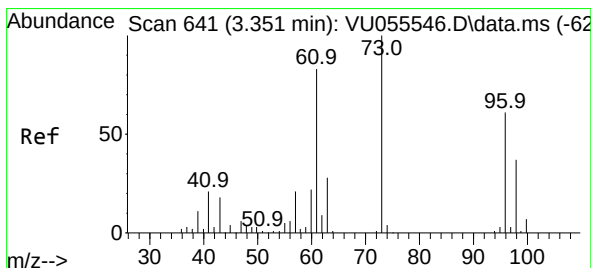
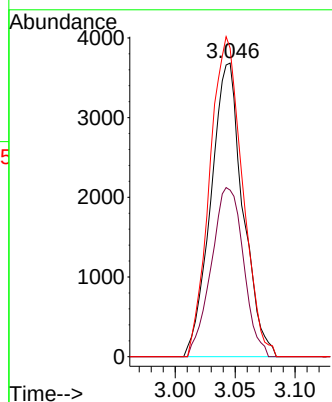
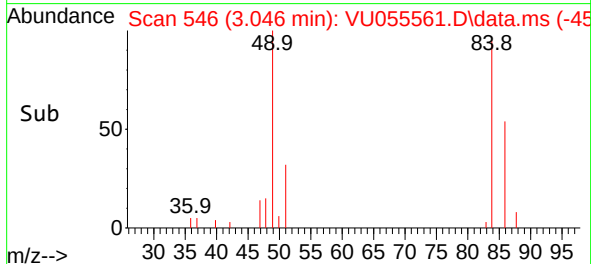


#16
Methylene chloride
Concen: 0.409 ug/L
RT: 3.046 min Scan# 54
Delta R.T. 0.003 min
Lab File: VU055561.D
Acq: 27 Sep 2023 19:13

Instrument :
MSVOA_U
ClientSampleId :

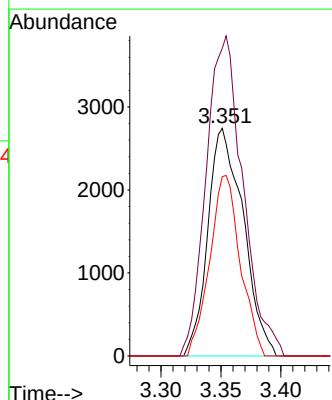
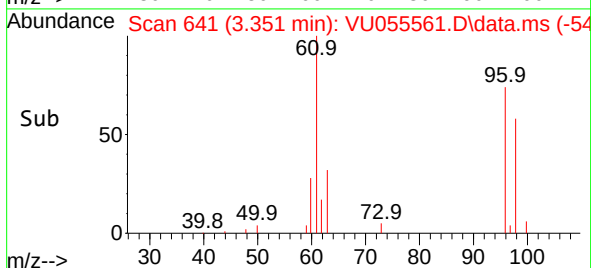
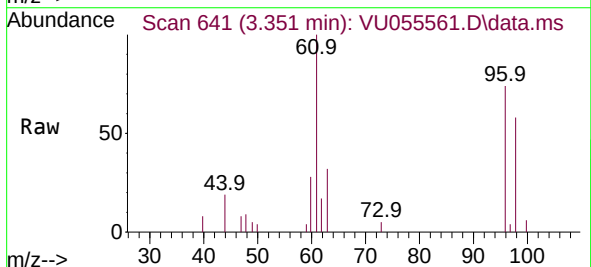


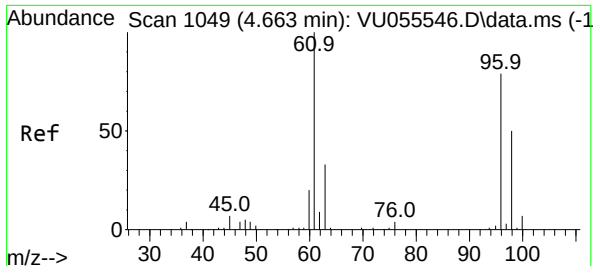
Tgt Ion: 84 Resp: 6855
Ion Ratio Lower Upper
84 100
86 56.8 44.9 83.3
49 105.1 78.8 146.3



#18
trans-1,2-Dichloroethene
Concen: 0.400 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU055561.D
Acq: 27 Sep 2023 19:13

Tgt Ion: 96 Resp: 5637
Ion Ratio Lower Upper
96 100
61 135.1 94.6 175.6
98 78.8 45.7 84.9

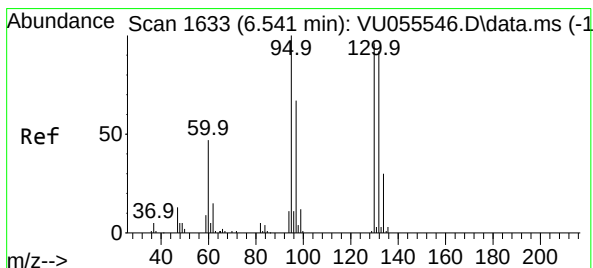
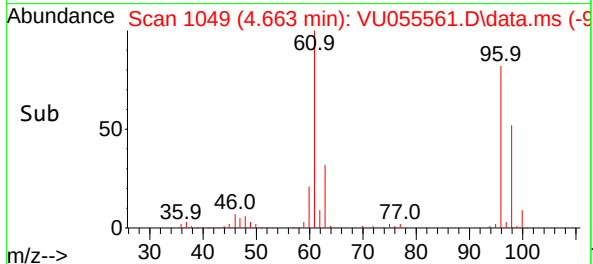
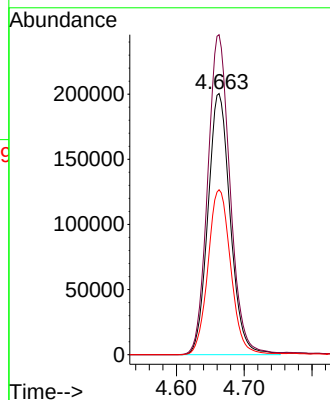
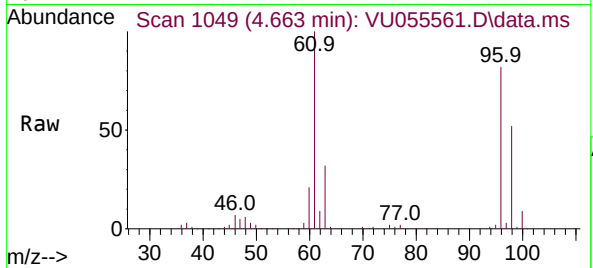




#22
cis-1,2-Dichloroethene
Concen: 28.072 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. -0.000 min
Lab File: VU055561.D
Acq: 27 Sep 2023 19:13

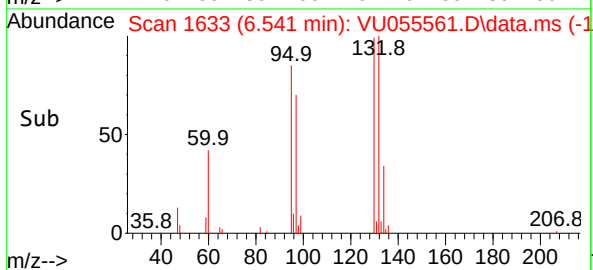
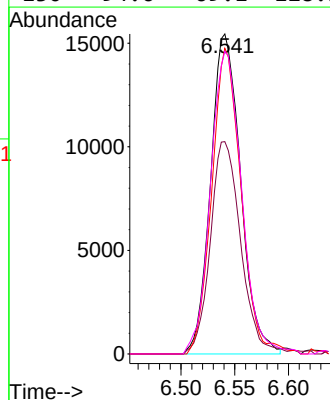
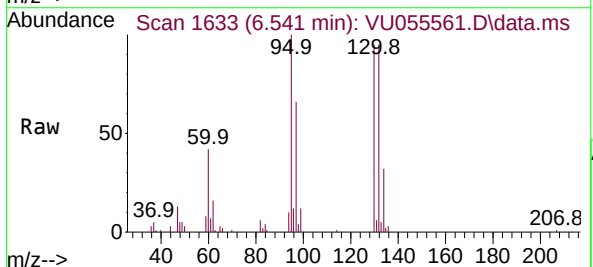
Instrument :
MSVOA_U
ClientSampleId :

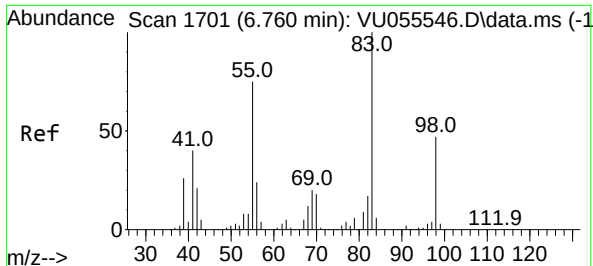
Tgt Ion: 96 Resp: 459191
Ion Ratio Lower Upper
96 100
61 122.5 87.8 163.2
98 63.2 44.4 82.4



#34
Trichloroethene
Concen: 1.742 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. -0.000 min
Lab File: VU055561.D
Acq: 27 Sep 2023 19:13

Tgt Ion: 95 Resp: 29945
Ion Ratio Lower Upper
95 100
97 66.4 45.4 84.2
132 95.5 65.2 121.2
130 94.6 69.1 128.3

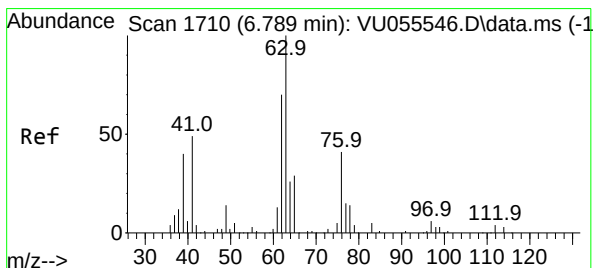
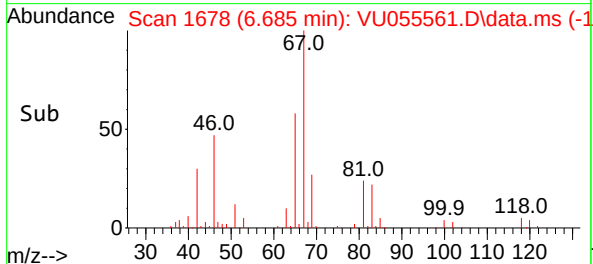
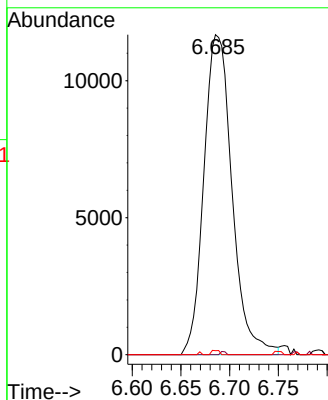
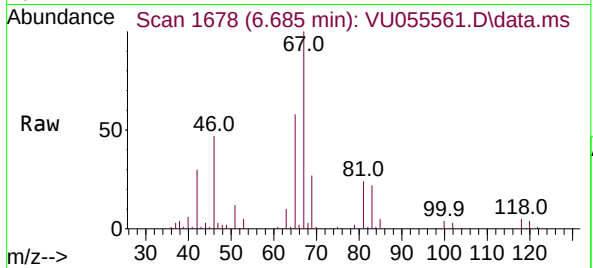




#35
Methylcyclohexane
Concen: 0.950 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.074 min
Lab File: VU055561.D
Acq: 27 Sep 2023 19:13

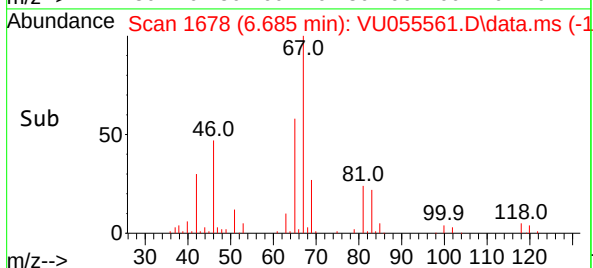
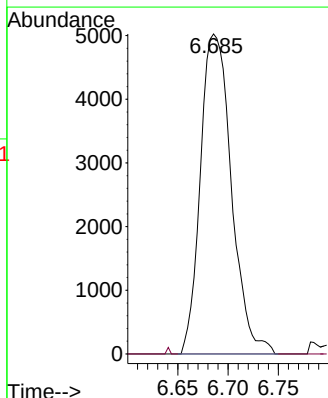
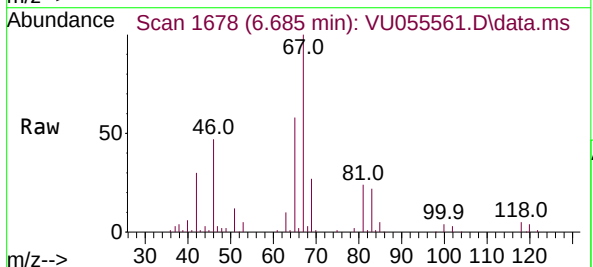
Instrument :
MSVOA_U
ClientSampleId :

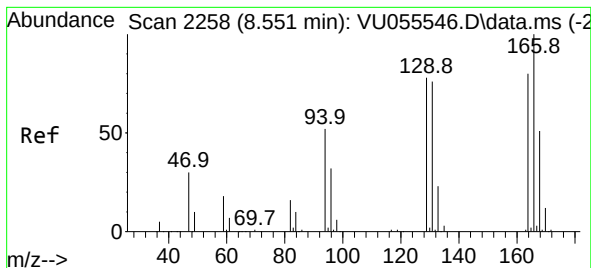
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.2	59.1	88.7#
98	0.4	36.3	54.5#



#37
1,2-Dichloropropane
Concen: 0.678 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.103 min
Lab File: VU055561.D
Acq: 27 Sep 2023 19:13

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.2	3.0	4.6#





#47

Tetrachloroethene

Concen: 1.819 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. -0.000 min

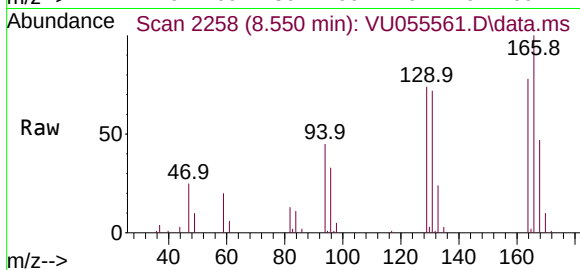
Lab File: VU055561.D

Acq: 27 Sep 2023 19:13

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 22430

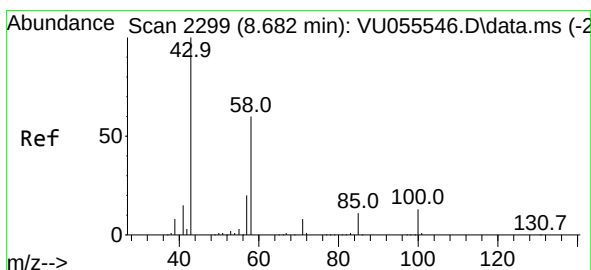
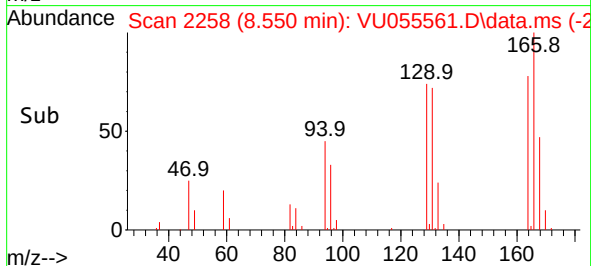
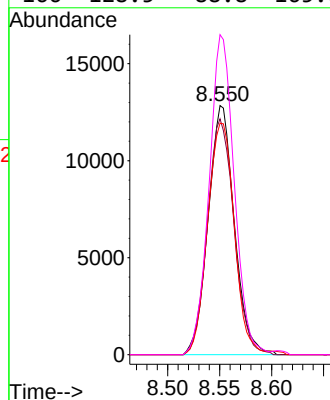
Ion Ratio Lower Upper

164 100

129 94.7 67.4 125.2

131 93.0 66.4 123.2

166 128.5 88.8 165.0



#48

2-Hexanone

Concen: 3.739 ug/L

RT: 8.682 min Scan# 2299

Delta R.T. -0.000 min

Lab File: VU055561.D

Acq: 27 Sep 2023 19:13

Tgt Ion: 43 Resp: 20892

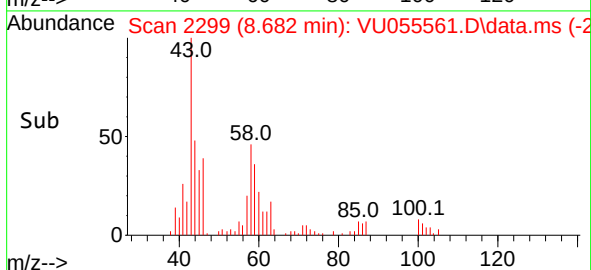
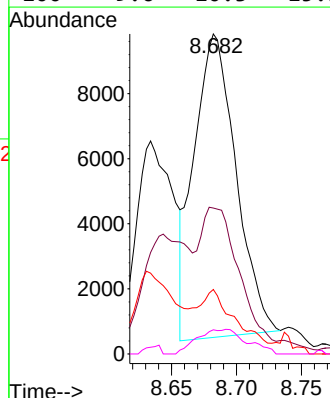
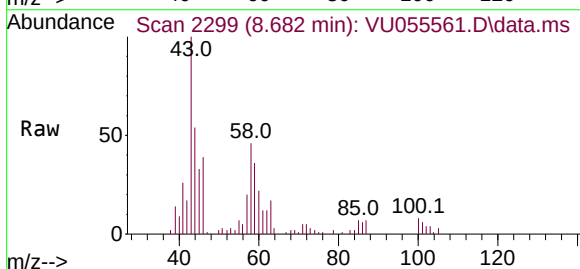
Ion Ratio Lower Upper

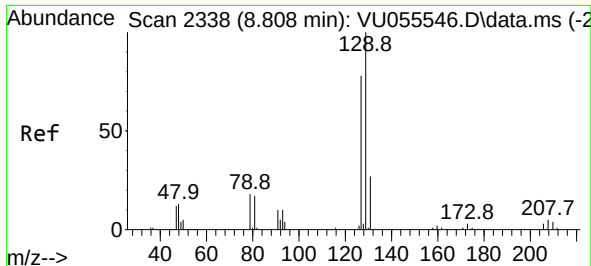
43 100

58 49.9 48.5 72.7

57 17.8 17.0 25.4

100 9.6 10.3 15.5#





#49

Dibromochloromethane

Concen: 1.845 ug/L

RT: 8.550 min Scan# 21

Delta R.T. -0.258 min

Lab File: VU055561.D

Acq: 27 Sep 2023 19:13

Instrument :

MSVOA_U

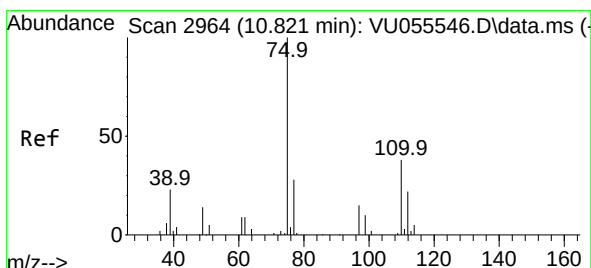
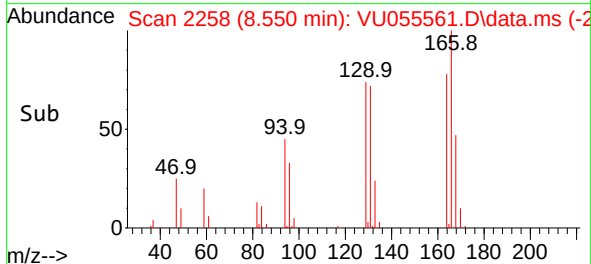
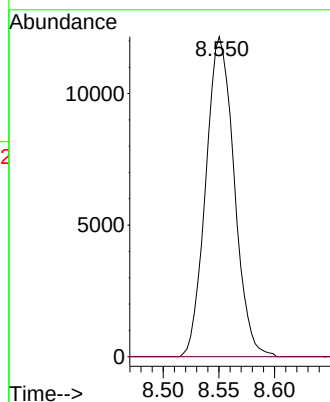
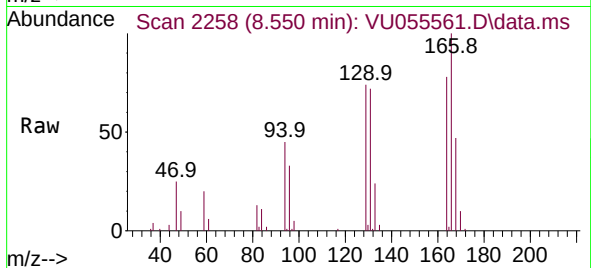
ClientSampleId :

Tgt Ion:129 Resp: 21550

Ion Ratio Lower Upper

129 100

127 0.0 56.8 105.6#



#61

1,2,3-Trichloropropane

Concen: 1.696 ug/L

RT: 11.807 min Scan# 3271

Delta R.T. 0.987 min

Lab File: VU055561.D

Acq: 27 Sep 2023 19:13

Tgt Ion: 75 Resp: 13554

Ion Ratio Lower Upper

75 100

110 2.4 30.6 45.8#

77 27.8 26.7 40.1

