

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091323\
 Data File : VU055286.D
 Acq On : 13 Sep 2023 15:52
 Operator : MD/SY
 Sample : 04356-07DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 14 05:05:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 14 05:00:29 2023
 Response via : Initial Calibration

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

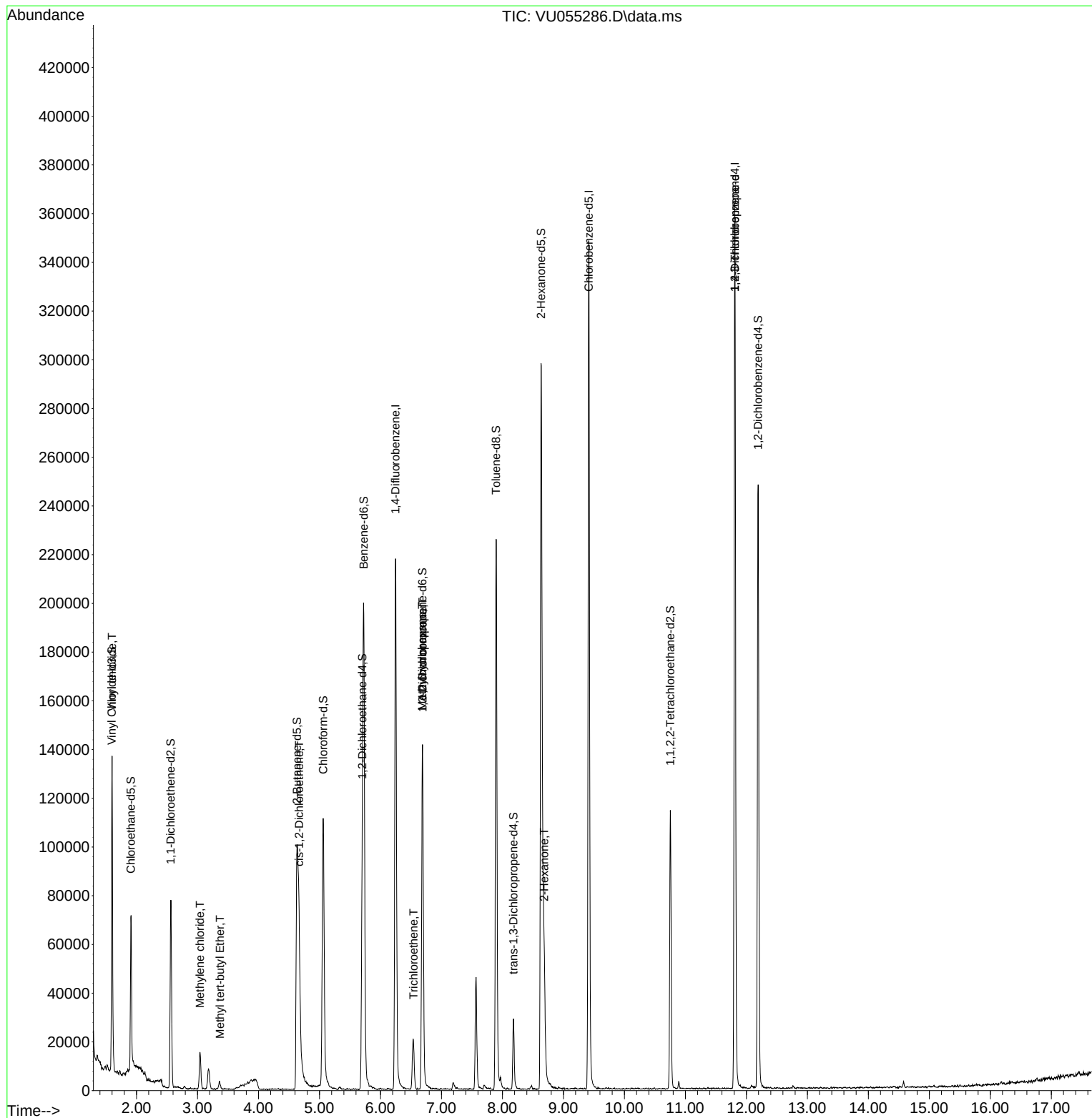
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	175824	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	196455	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	93372	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	26016	3.157	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	63.200%
7) Chloroethane-d5	1.907	69	44711	4.687	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.800%
11) 1,1-Dichloroethene-d2	2.560	65	14600	3.109	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.200%
20) 2-Butanone-d5	4.631	46	170579	71.332	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	142.660%#
24) Chloroform-d	5.062	84	103737	4.744	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
26) 1,2-Dichloroethane-d4	5.701	65	57327	5.240	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.800%
32) Benzene-d6	5.727	84	185328	3.822	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.400%
36) 1,2-Dichloropropane-d6	6.688	67	67501	4.376	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.600%
41) Toluene-d8	7.897	98	159056	3.561	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.200%
43) trans-1,3-Dichloroprop...	8.180	79	16113	3.794	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.800%
46) 2-Hexanone-d5	8.634	63	95954	55.645	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.280%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	56164	5.178	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.600%
66) 1,2-Dichlorobenzene-d4	12.190	152	63816	4.682	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.600%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.599	62	69159	6.303	ug/L	95
16) Methylene chloride	3.039	84	7312	0.589	ug/L	92
17) Methyl tert-butyl Ether	3.367	73	2750	0.129	ug/L #	85
22) cis-1,2-Dichloroethene	4.666	96	17611	1.744	ug/L	84
34) Trichloroethene	6.544	95	4079	0.351	ug/L	92
35) Methylcyclohexane	6.685	83	15699	0.963	ug/L #	20
37) 1,2-Dichloropropane	6.692	63	7289	0.640	ug/L #	90
48) 2-Hexanone	8.685	43	31623	6.218	ug/L #	91
61) 1,2,3-Trichloropropane	11.810	75	13116	2.117	ug/L #	71

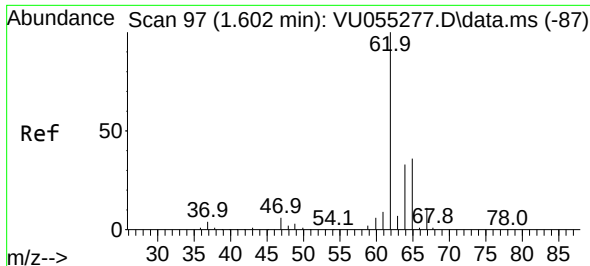
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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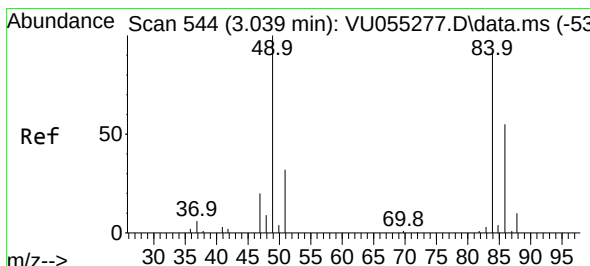
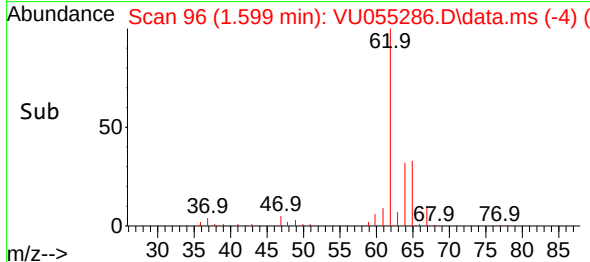
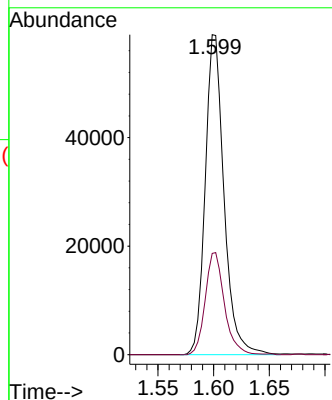
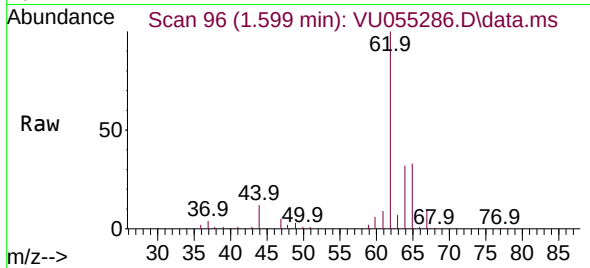




#5
 Vinyl chloride
 Concen: 6.303 ug/L
 RT: 1.599 min Scan# 97
 Delta R.T. -0.003 min
 Lab File: VU055286.D
 Acq: 13 Sep 2023 15:52

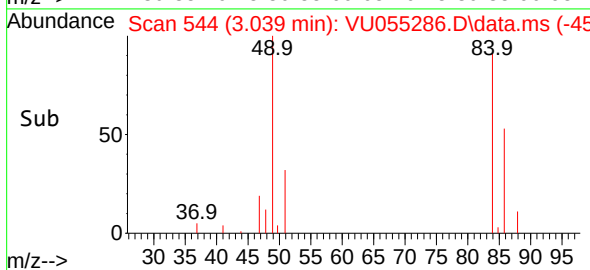
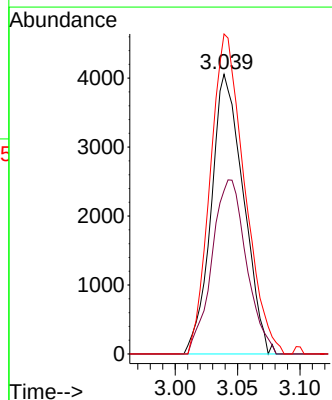
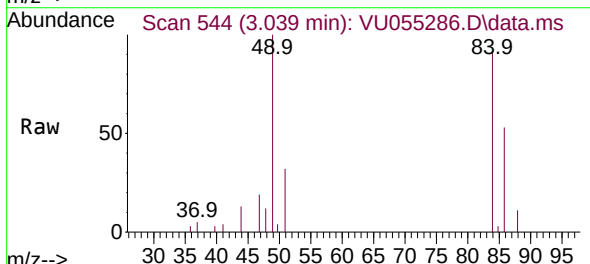
Instrument :
 MSVOA_U
 ClientSampleId :

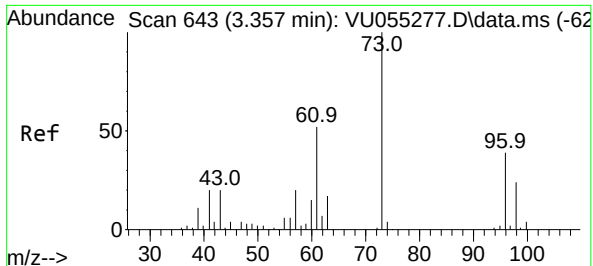
Tgt Ion: 62 Resp: 69159
 Ion Ratio Lower Upper
 62 100
 64 31.6 24.2 45.0



#16
 Methylene chloride
 Concen: 0.589 ug/L
 RT: 3.039 min Scan# 544
 Delta R.T. -0.000 min
 Lab File: VU055286.D
 Acq: 13 Sep 2023 15:52

Tgt Ion: 84 Resp: 7312
 Ion Ratio Lower Upper
 84 100
 86 58.4 43.4 80.6
 49 114.4 87.7 162.9





#17

Methyl tert-butyl Ether

Concen: 0.129 ug/L

RT: 3.367 min Scan# 64

Delta R.T. 0.010 min

Lab File: VU055286.D

Acq: 13 Sep 2023 15:52

Instrument :

MSVOA_U

ClientSampleId :

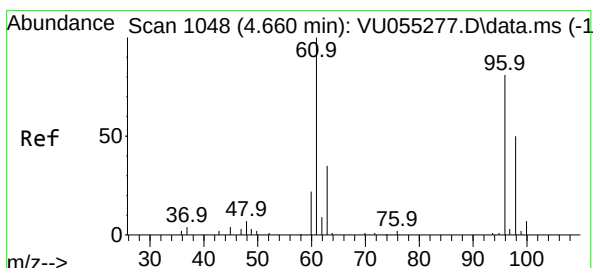
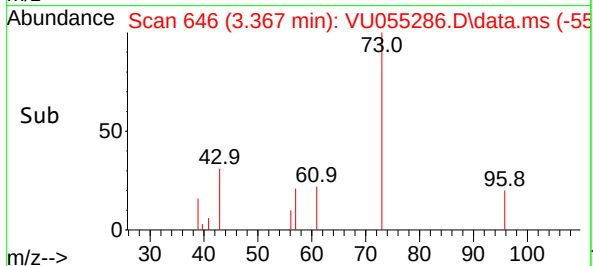
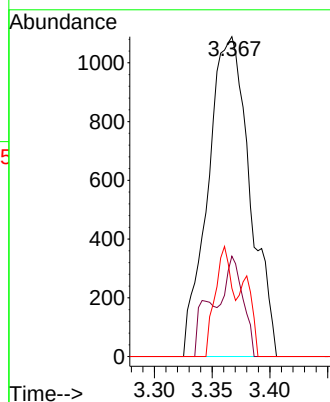
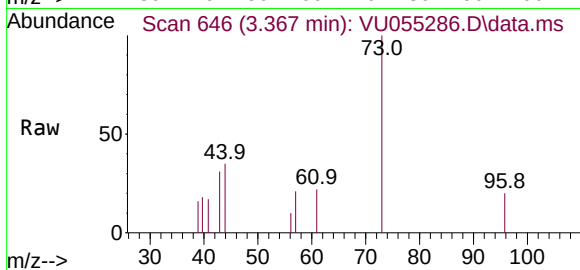
Tgt Ion: 73 Resp: 2750

Ion Ratio Lower Upper

73 100

43 14.3 16.2 24.2#

57 14.1 17.4 26.2#



#22

cis-1,2-Dichloroethene

Concen: 1.744 ug/L

RT: 4.666 min Scan# 1050

Delta R.T. 0.006 min

Lab File: VU055286.D

Acq: 13 Sep 2023 15:52

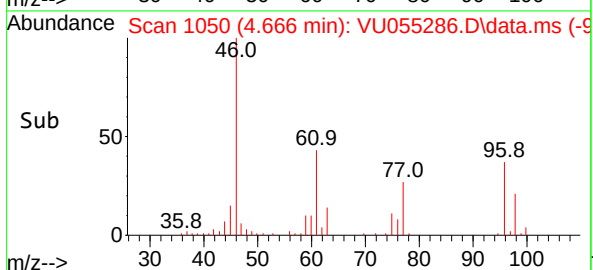
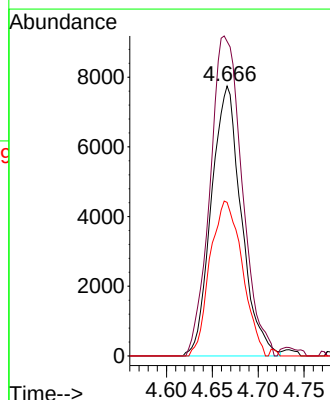
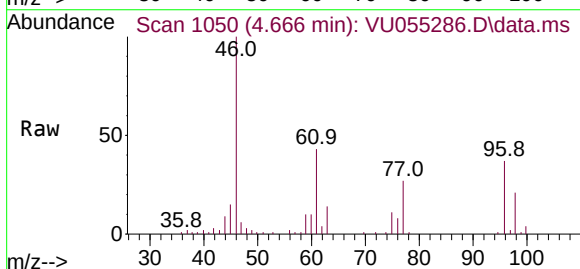
Tgt Ion: 96 Resp: 17611

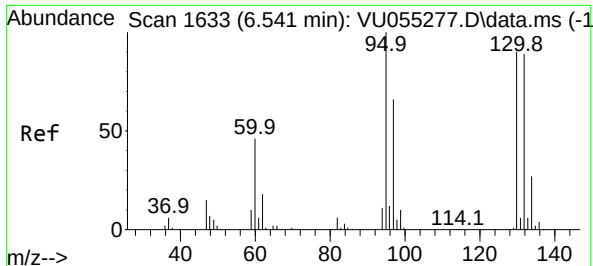
Ion Ratio Lower Upper

96 100

61 116.6 97.2 180.4

98 56.9 46.1 85.7





#34

Trichloroethene

Concen: 0.351 ug/L

RT: 6.544 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU055286.D

Acq: 13 Sep 2023 15:52

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 4079

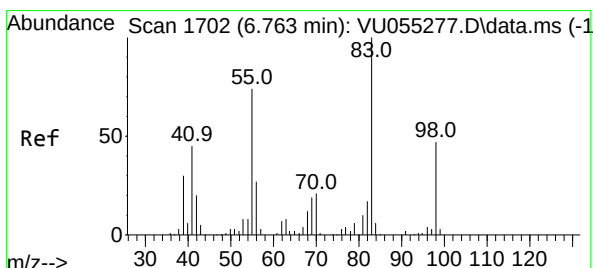
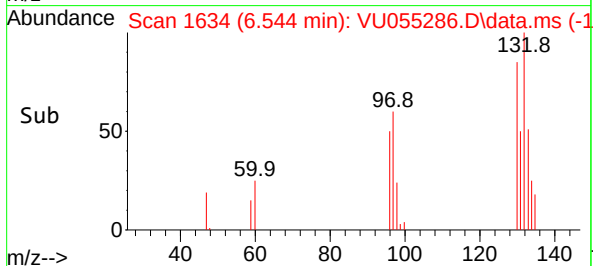
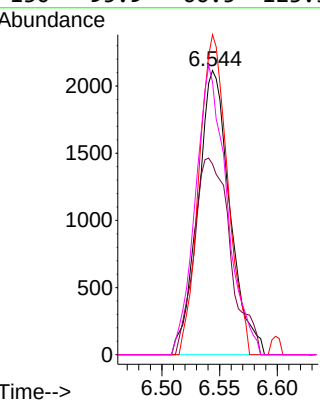
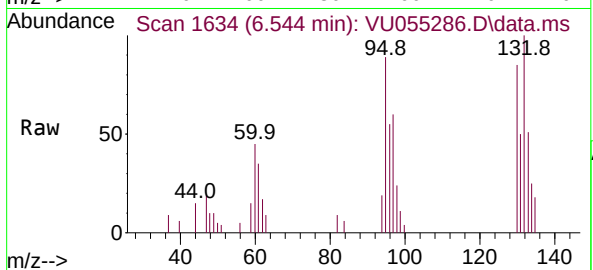
Ion Ratio Lower Upper

95 100

97 67.1 44.7 83.1

132 112.6 66.6 123.6

130 95.9 66.5 123.5



#35

Methylcyclohexane

Concen: 0.963 ug/L

RT: 6.685 min Scan# 1678

Delta R.T. -0.077 min

Lab File: VU055286.D

Acq: 13 Sep 2023 15:52

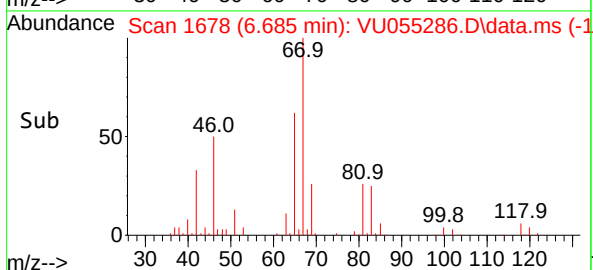
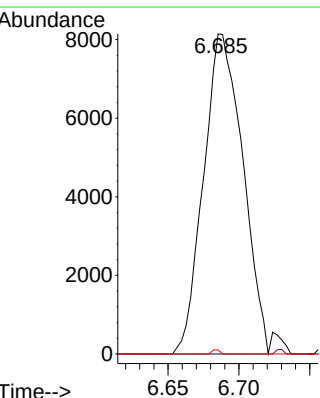
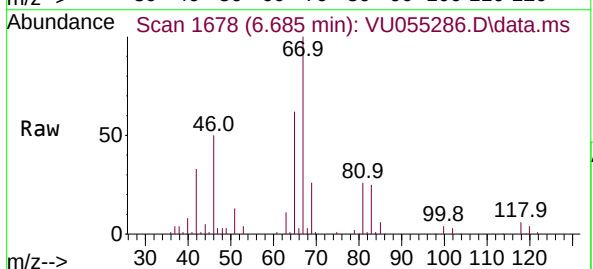
Tgt Ion: 83 Resp: 15699

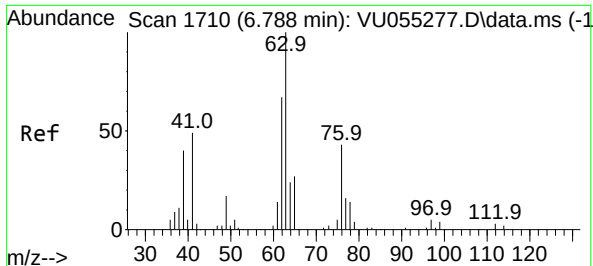
Ion Ratio Lower Upper

83 100

55 0.3 60.4 90.6#

98 2.0 35.3 52.9#





#37

1,2-Dichloropropane

Concen: 0.640 ug/L

RT: 6.692 min Scan# 1

Delta R.T. -0.097 min

Lab File: VU055286.D

Acq: 13 Sep 2023 15:52

Instrument :

MSVOA_U

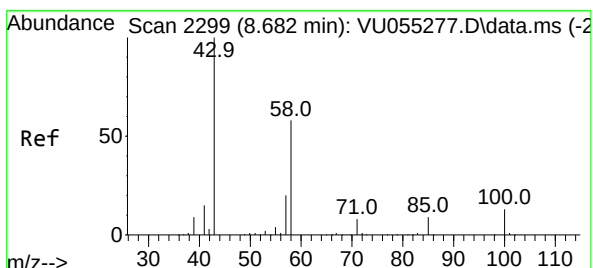
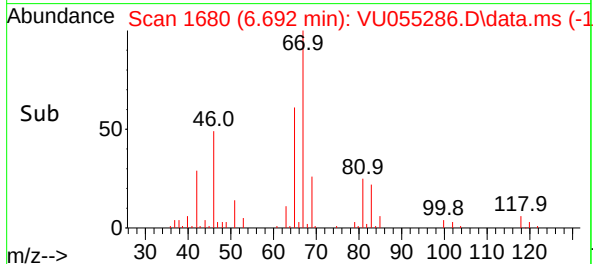
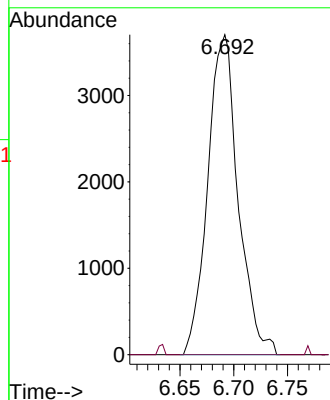
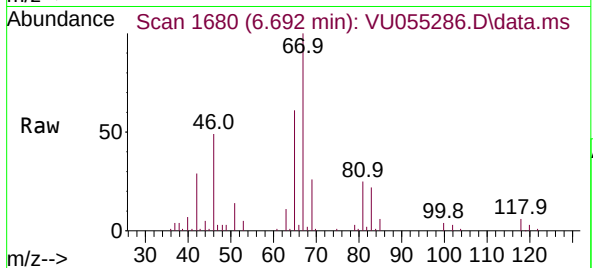
ClientSampleId :

Tgt Ion: 63 Resp: 7289

Ion Ratio Lower Upper

63 100

112 0.6 3.2 4.8#



#48

2-Hexanone

Concen: 6.218 ug/L

RT: 8.685 min Scan# 2300

Delta R.T. 0.003 min

Lab File: VU055286.D

Acq: 13 Sep 2023 15:52

Tgt Ion: 43 Resp: 31623

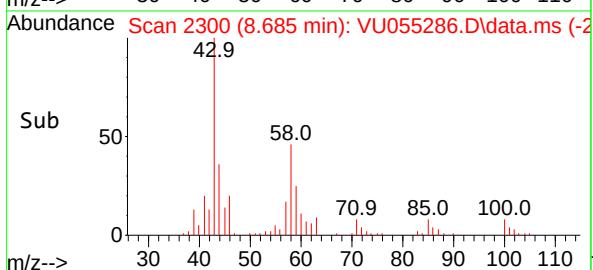
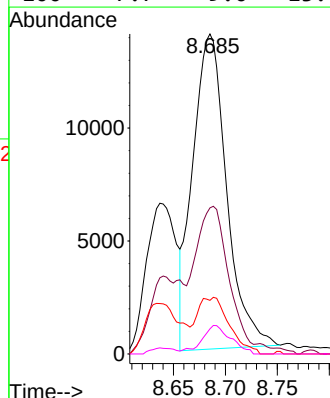
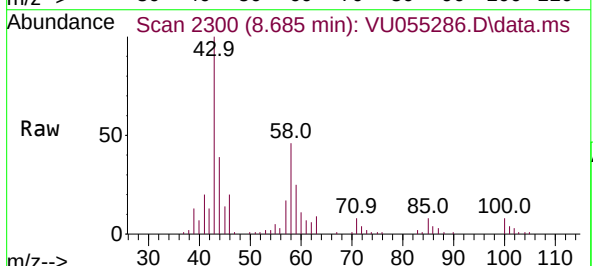
Ion Ratio Lower Upper

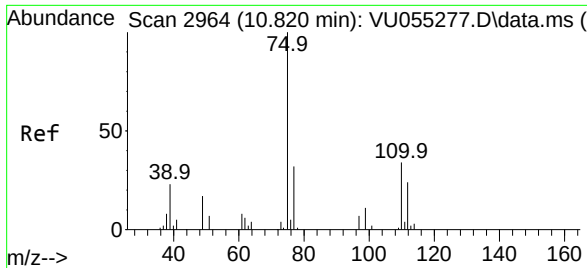
43 100

58 47.8 44.0 66.0

57 17.1 16.2 24.2

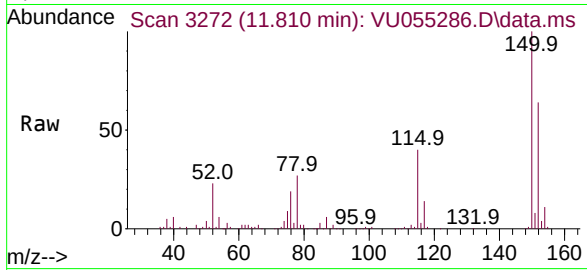
100 7.7 9.0 13.4#





#61
1,2,3-Trichloropropane
Concen: 2.117 ug/L
RT: 11.810 min Scan# 31
Delta R.T. 0.990 min
Lab File: VU055286.D
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Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	75	Resp:	13116
Ion	Ratio	Lower	Upper
75	100		
110	3.3	28.2	42.2#
77	32.6	26.2	39.4

