

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU083023\
 Data File : VU055007.D
 Acq On : 30 Aug 2023 19:46
 Operator : MD/SY
 Sample : 04230-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 31 02:39:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Aug 31 02:34:15 2023
 Response via : Initial Calibration

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

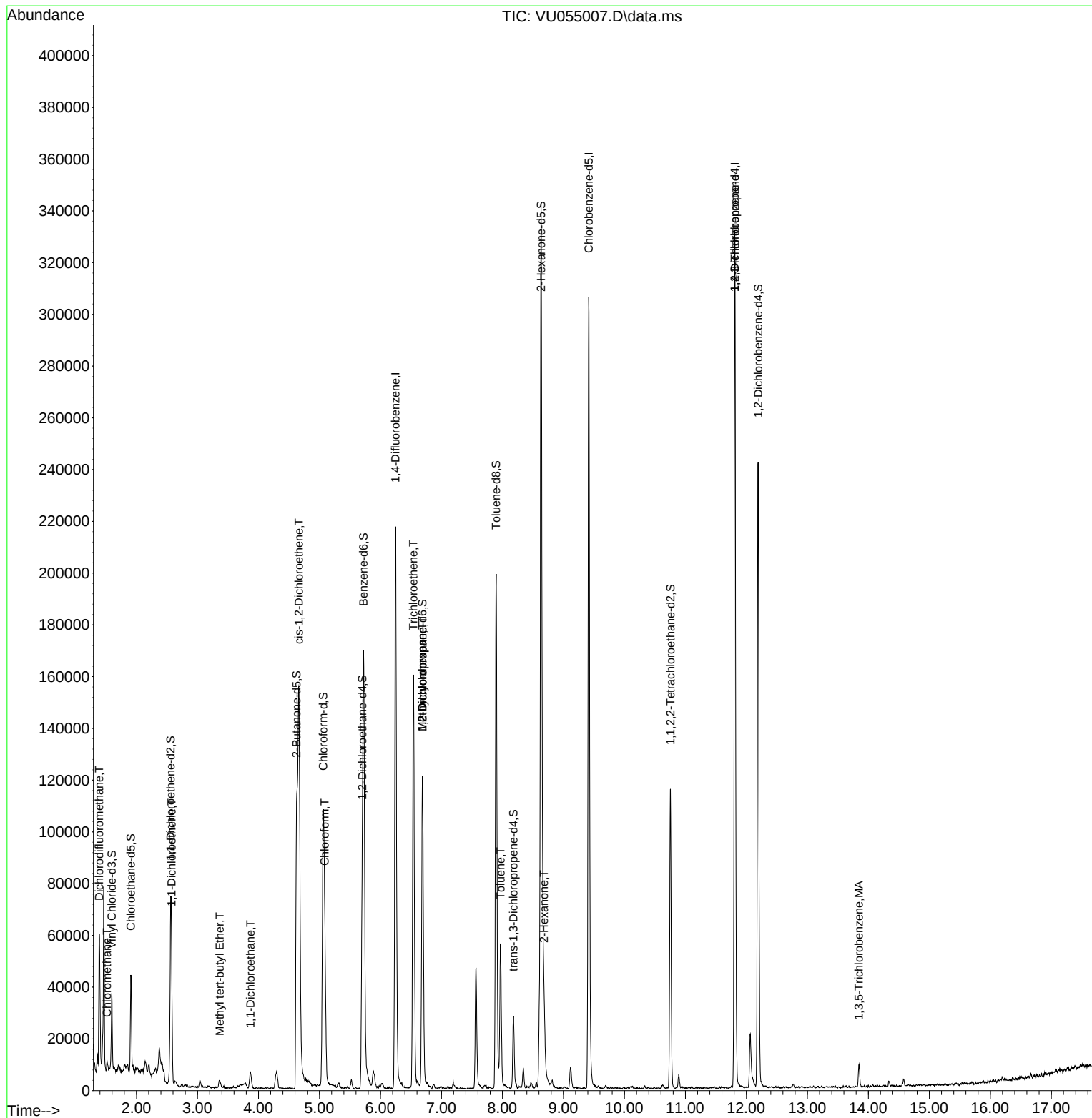
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	175271	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	166867	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	84799	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	18565	3.356	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.200%
7) Chloroethane-d5	1.907	69	25024	3.501	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	70.000%
11) 1,1-Dichloroethene-d2	2.560	65	12736	4.073	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.400%
20) 2-Butanone-d5	4.624	46	170251	57.015	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.040%
24) Chloroform-d	5.062	84	87064	4.243	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.800%
26) 1,2-Dichloroethane-d4	5.702	65	50522	4.627	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.600%
32) Benzene-d6	5.724	84	150223	4.005	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.200%
36) 1,2-Dichloropropane-d6	6.689	67	57664	4.371	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.400%
41) Toluene-d8	7.898	98	134469	3.743	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.800%
43) trans-1,3-Dichloroprop...	8.181	79	15727	3.623	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.400%
46) 2-Hexanone-d5	8.634	63	111165	53.947	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.900%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	55098	4.871	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.400%
66) 1,2-Dichlorobenzene-d4	12.193	152	61477	4.541	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.387	85	1280	0.118	ug/L	99
3) Chloromethane	1.518	50	2705	0.239	ug/L	87
12) 1,1-Dichloroethene	2.576	96	8982	1.135	ug/L #	55
17) Methyl tert-butyl Ether	3.364	73	2752	0.119	ug/L #	88
19) 1,1-Dichloroethane	3.869	63	7356	0.405	ug/L	95
22) cis-1,2-Dichloroethene	4.663	96	65996	6.401	ug/L	98
25) Chloroform	5.087	83	44995	2.261	ug/L	96
34) Trichloroethene	6.541	95	55103	5.051	ug/L	97
35) Methylcyclohexane	6.689	83	13848	0.858	ug/L #	18
37) 1,2-Dichloropropane	6.689	63	6785	0.618	ug/L #	90
42) Toluene	7.968	91	38516	0.882	ug/L	94
48) 2-Hexanone	8.682	43	13807	3.047	ug/L #	53
61) 1,2,3-Trichloropropane	11.811	75	11990	1.899	ug/L #	68
69) 1,3,5-Trichlorobenzene	13.846	180	2795	0.198	ug/L	96

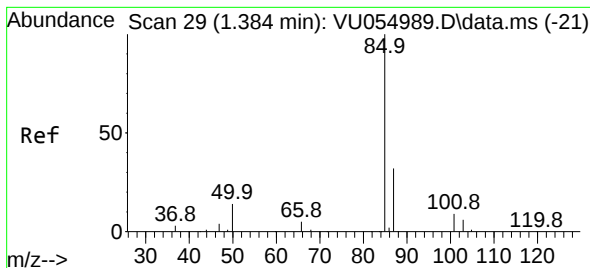
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.118 ug/L

RT: 1.387 min Scan# 30

Delta R.T. 0.003 min

Lab File: VU055007.D

Acq: 30 Aug 2023 19:46

Instrument :

MSVOA_U

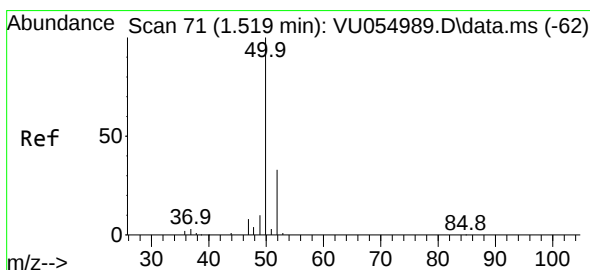
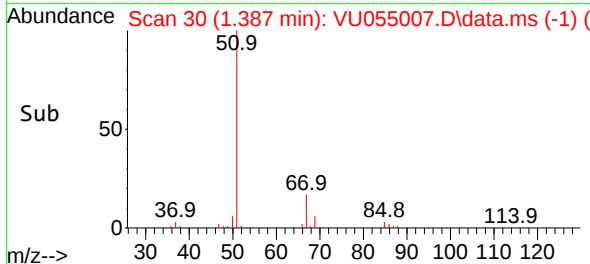
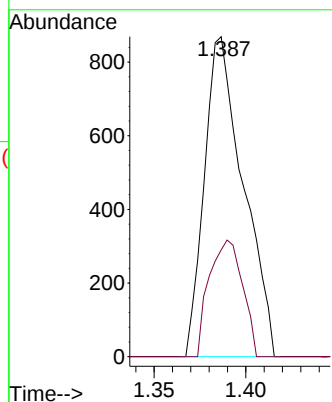
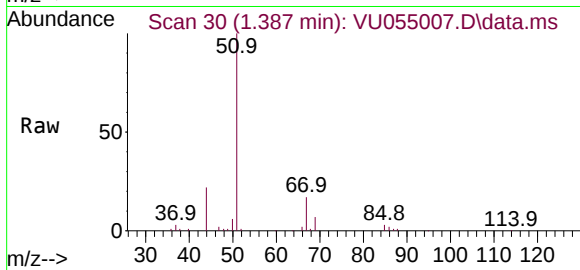
ClientSampleId :

Tgt Ion: 85 Resp: 1280

Ion Ratio Lower Upper

85 100

87 31.2 25.4 38.0



#3

Chloromethane

Concen: 0.239 ug/L

RT: 1.518 min Scan# 71

Delta R.T. -0.000 min

Lab File: VU055007.D

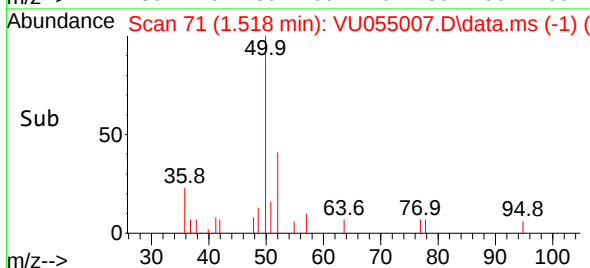
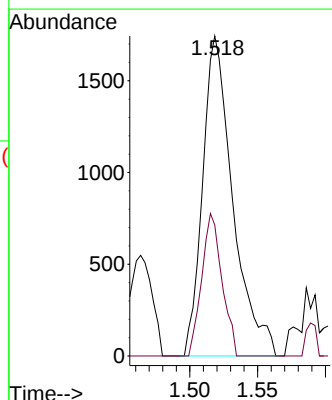
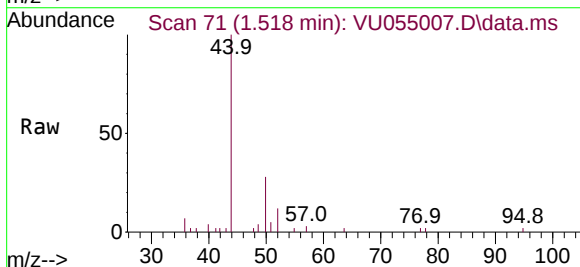
Acq: 30 Aug 2023 19:46

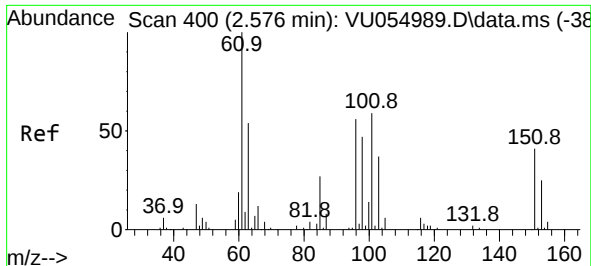
Tgt Ion: 50 Resp: 2705

Ion Ratio Lower Upper

50 100

52 40.9 23.4 43.6





#12

1,1-Dichloroethene

Concen: 1.135 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU055007.D

Acq: 30 Aug 2023 19:46

Instrument :

MSVOA_U

ClientSampleId :

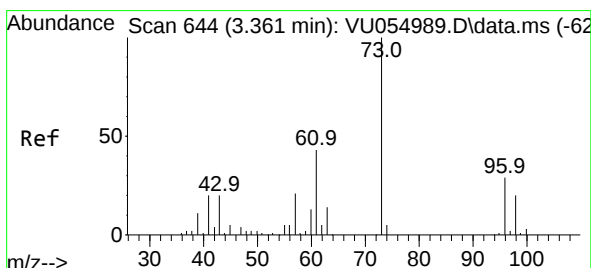
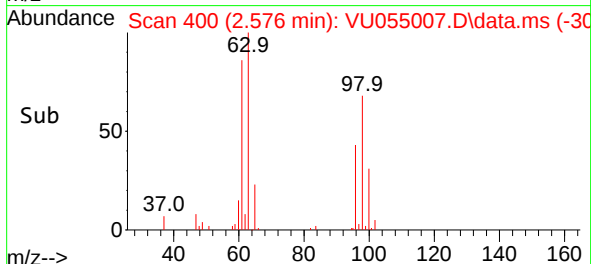
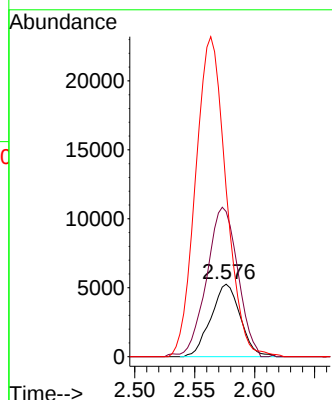
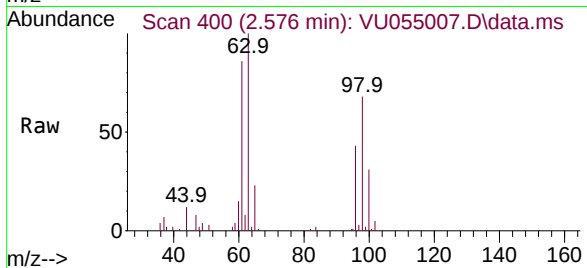
Tgt Ion: 96 Resp: 8982

Ion Ratio Lower Upper

96 100

61 200.2 132.4 245.8

63 232.1 82.5 153.1#



#17

Methyl tert-butyl Ether

Concen: 0.119 ug/L

RT: 3.364 min Scan# 645

Delta R.T. 0.003 min

Lab File: VU055007.D

Acq: 30 Aug 2023 19:46

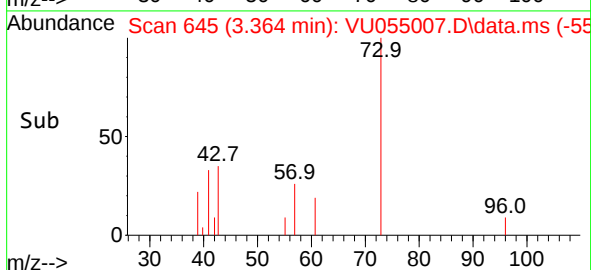
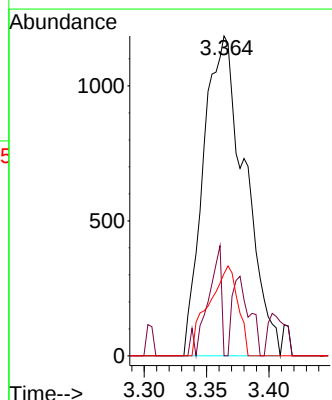
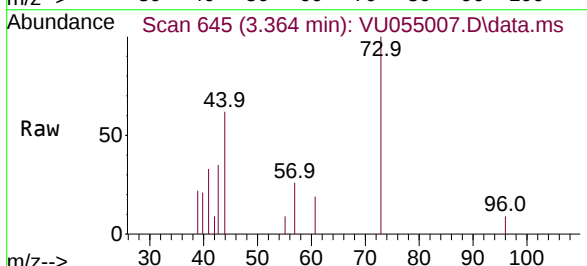
Tgt Ion: 73 Resp: 2752

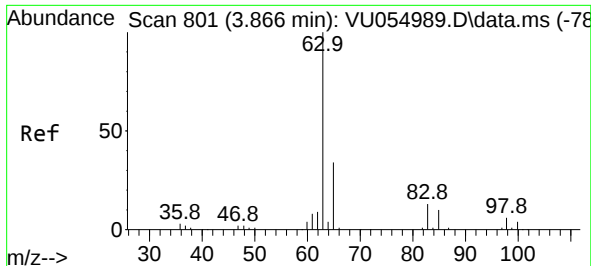
Ion Ratio Lower Upper

73 100

43 11.0 16.2 24.2#

57 19.7 17.4 26.0





#19

1,1-Dichloroethane

Concen: 0.405 ug/L

RT: 3.869 min Scan# 801

Delta R.T. 0.003 min

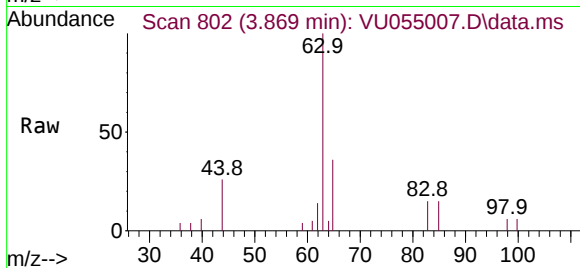
Lab File: VU055007.D

Acq: 30 Aug 2023 19:46

Instrument :

MSVOA_U

ClientSampleId :



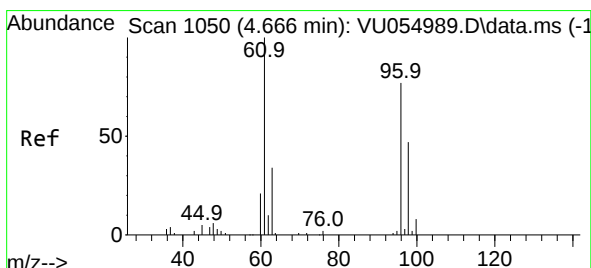
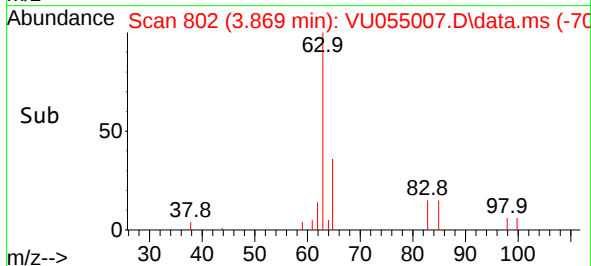
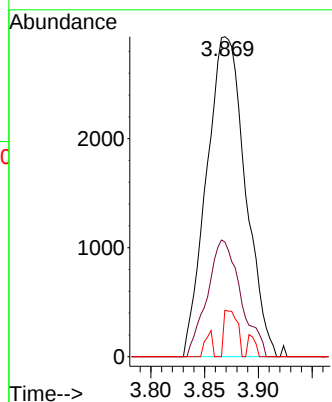
Tgt Ion: 63 Resp: 7356

Ion Ratio Lower Upper

63 100

65 35.9 22.5 41.7

83 14.5 9.5 17.7



#22

cis-1,2-Dichloroethene

Concen: 6.401 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. -0.003 min

Lab File: VU055007.D

Acq: 30 Aug 2023 19:46

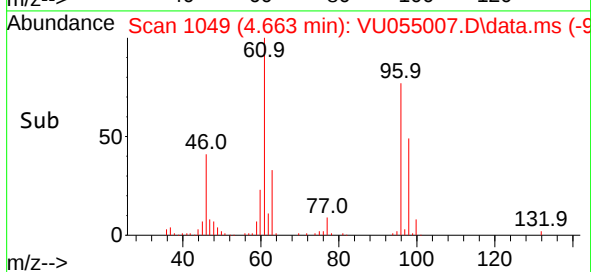
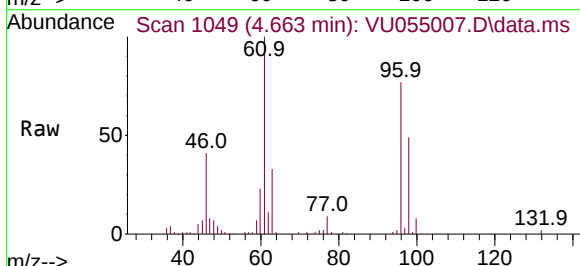
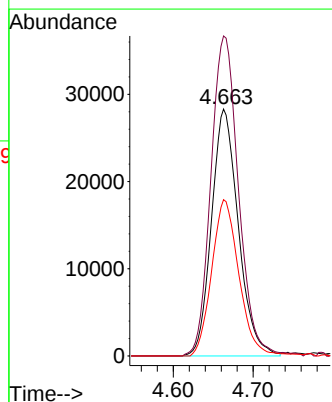
Tgt Ion: 96 Resp: 65996

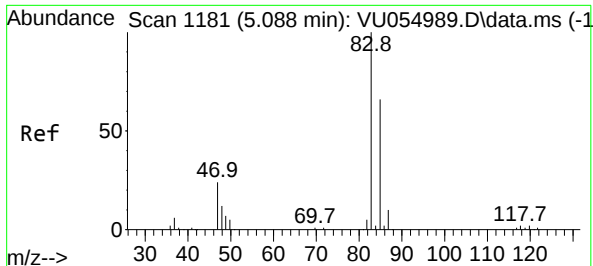
Ion Ratio Lower Upper

96 100

61 129.6 88.4 164.2

98 63.3 44.0 81.6





#25

Chloroform

Concen: 2.261 ug/L

RT: 5.087 min Scan# 1181

Delta R.T. -0.000 min

Lab File: VU055007.D

Acq: 30 Aug 2023 19:46

Instrument :

MSVOA_U

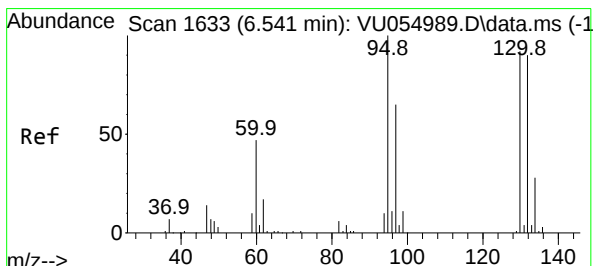
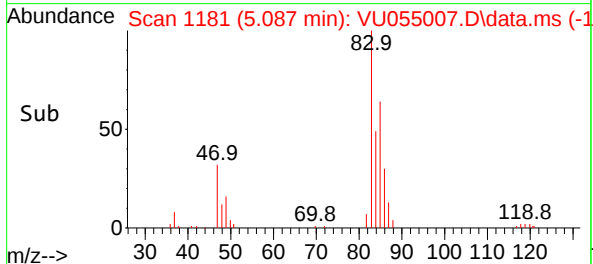
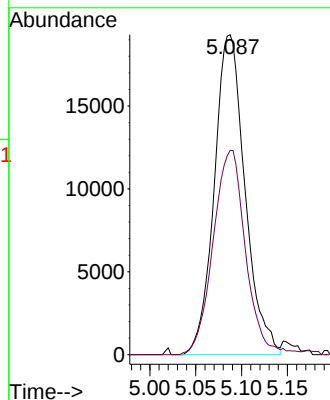
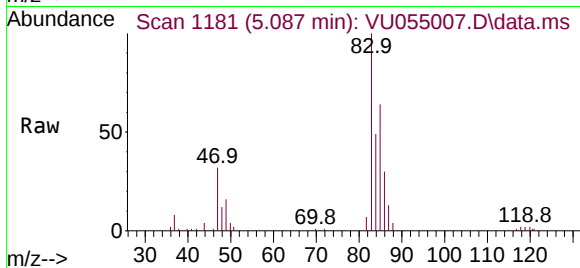
ClientSampleId :

Tgt Ion: 83 Resp: 44995

Ion Ratio Lower Upper

83 100

85 63.9 46.7 86.7



#34

Trichloroethene

Concen: 5.051 ug/L

RT: 6.541 min Scan# 1633

Delta R.T. -0.000 min

Lab File: VU055007.D

Acq: 30 Aug 2023 19:46

Tgt Ion: 95 Resp: 55103

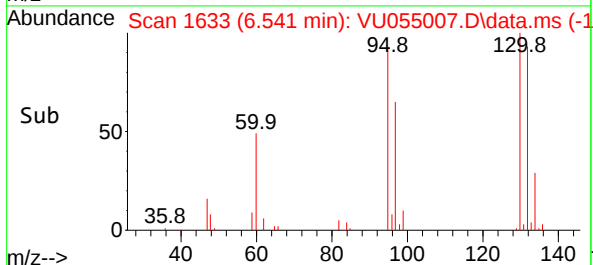
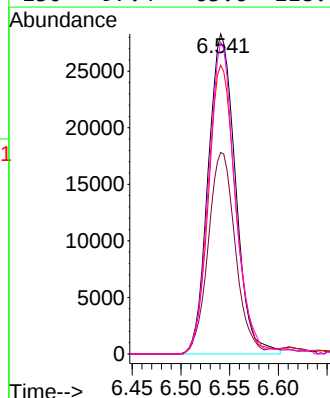
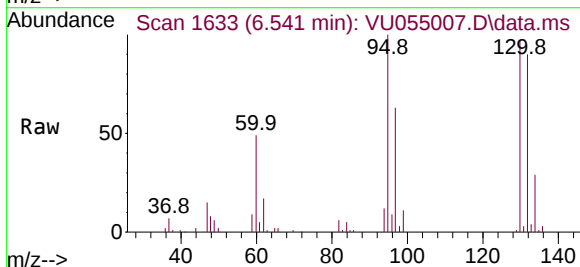
Ion Ratio Lower Upper

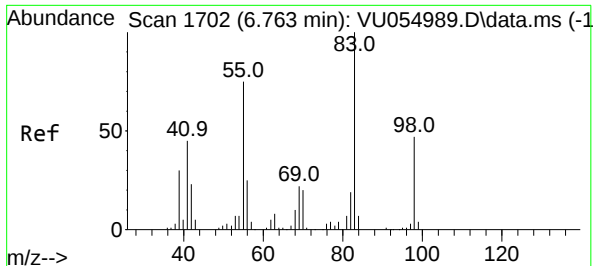
95 100

97 63.0 44.1 81.9

132 90.2 63.6 118.2

130 97.4 63.6 118.0

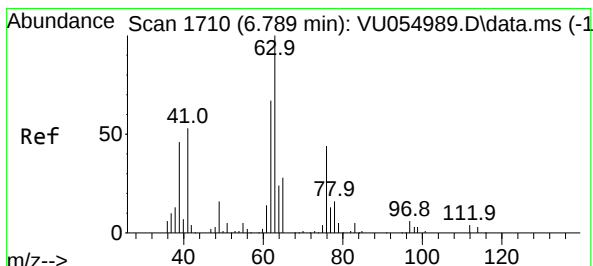
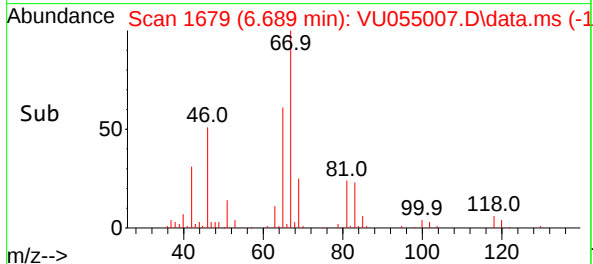
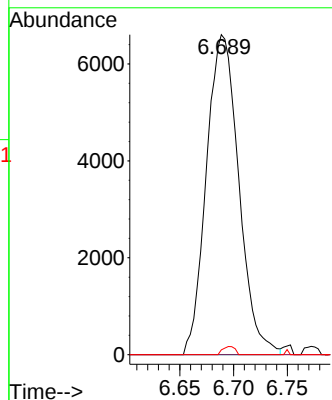
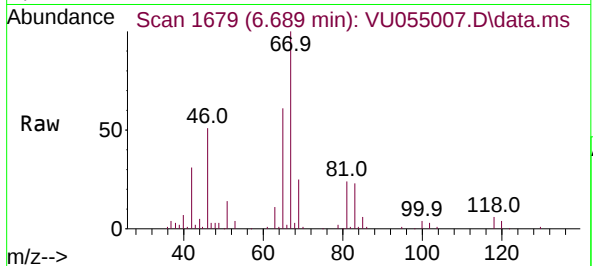




#35
Methylcyclohexane
Concen: 0.858 ug/L
RT: 6.689 min Scan# 1679
Delta R.T. -0.074 min
Lab File: VU055007.D
Acq: 30 Aug 2023 19:46

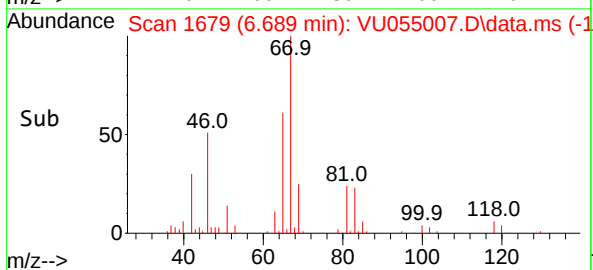
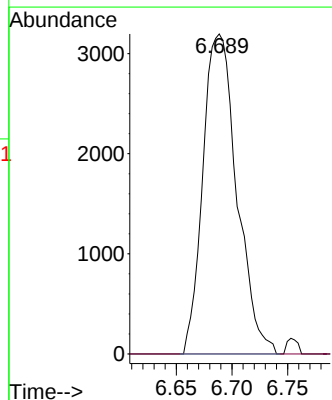
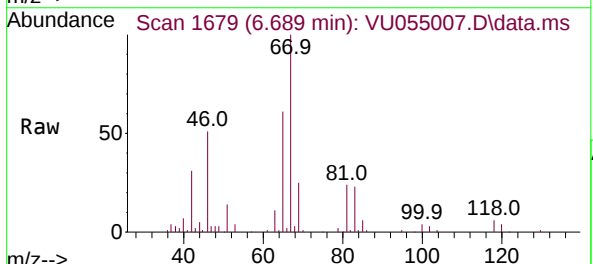
Instrument :
MSVOA_U
ClientSampleId :

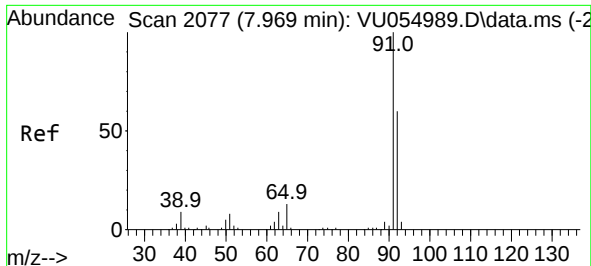
Tgt Ion: 83 Resp: 13848
Ion Ratio Lower Upper
83 100
55 0.0 62.1 93.1#
98 1.0 37.8 56.6#



#37
1,2-Dichloropropane
Concen: 0.618 ug/L
RT: 6.689 min Scan# 1679
Delta R.T. -0.100 min
Lab File: VU055007.D
Acq: 30 Aug 2023 19:46

Tgt Ion: 63 Resp: 6785
Ion Ratio Lower Upper
63 100
112 0.0 2.7 4.1#





#42

Toluene

Concen: 0.882 ug/L

RT: 7.968 min Scan# 2077

Delta R.T. -0.000 min

Lab File: VU055007.D

Acq: 30 Aug 2023 19:46

Instrument :

MSVOA_U

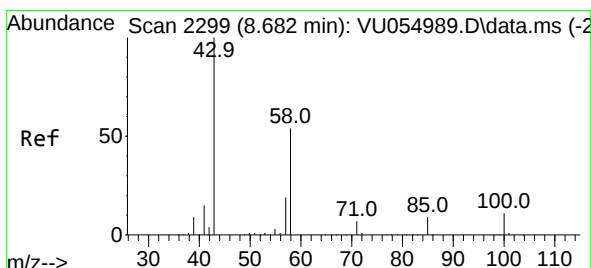
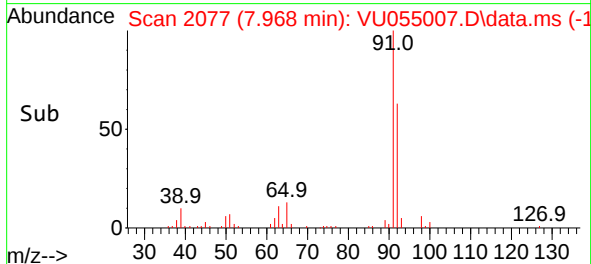
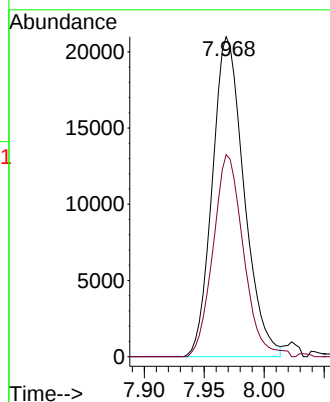
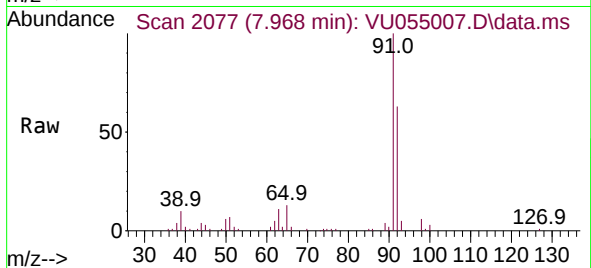
ClientSampleId :

Tgt Ion: 91 Resp: 38516

Ion Ratio Lower Upper

91 100

92 63.1 41.2 76.4



#48

2-Hexanone

Concen: 3.047 ug/L

RT: 8.682 min Scan# 2299

Delta R.T. -0.000 min

Lab File: VU055007.D

Acq: 30 Aug 2023 19:46

Tgt Ion: 43 Resp: 13807

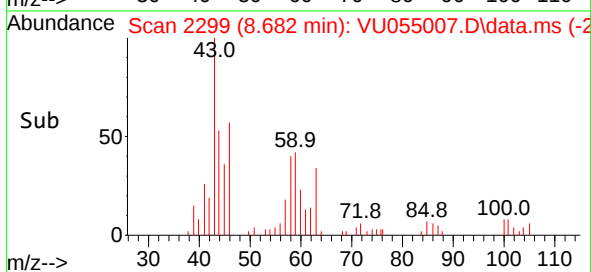
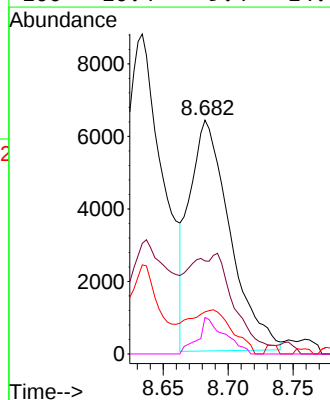
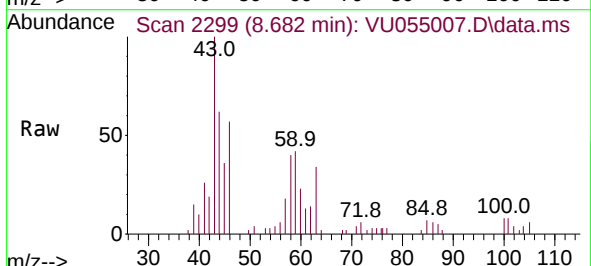
Ion Ratio Lower Upper

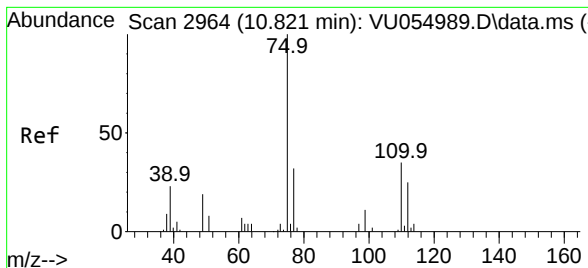
43 100

58 3.3 44.0 66.0#

57 21.4 15.9 23.9

100 10.4 9.4 14.0





#61

1,2,3-Trichloropropane

Concen: 1.899 ug/L

RT: 11.811 min Scan# 31

Delta R.T. 0.990 min

Lab File: VU055007.D

Acq: 30 Aug 2023 19:46

Instrument :

MSVOA_U

ClientSampleId :

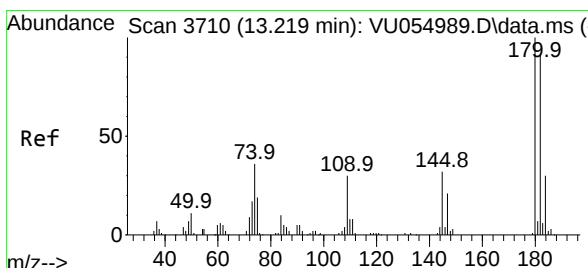
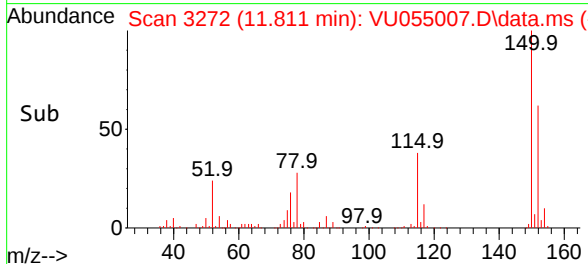
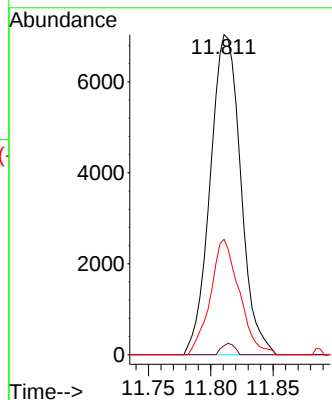
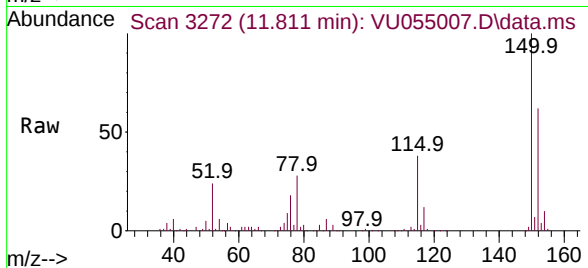
Tgt Ion: 75 Resp: 11990

Ion Ratio Lower Upper

75 100

110 1.5 29.0 43.6#

77 34.2 26.5 39.7



#69

1,3,5-Trichlorobenzene

Concen: 0.198 ug/L

RT: 13.846 min Scan# 3905

Delta R.T. 0.627 min

Lab File: VU055007.D

Acq: 30 Aug 2023 19:46

Tgt Ion:180 Resp: 2795

Ion Ratio Lower Upper

180 100

182 91.7 76.6 114.8

184 31.7 23.6 35.4

145 35.8 26.5 39.7

