

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092623\
 Data File : VU055524.D
 Acq On : 26 Sep 2023 18:15
 Operator : MD/SY
 Sample : 04530-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 27 04:51:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 27 04:44:22 2023
 Response via : Initial Calibration

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

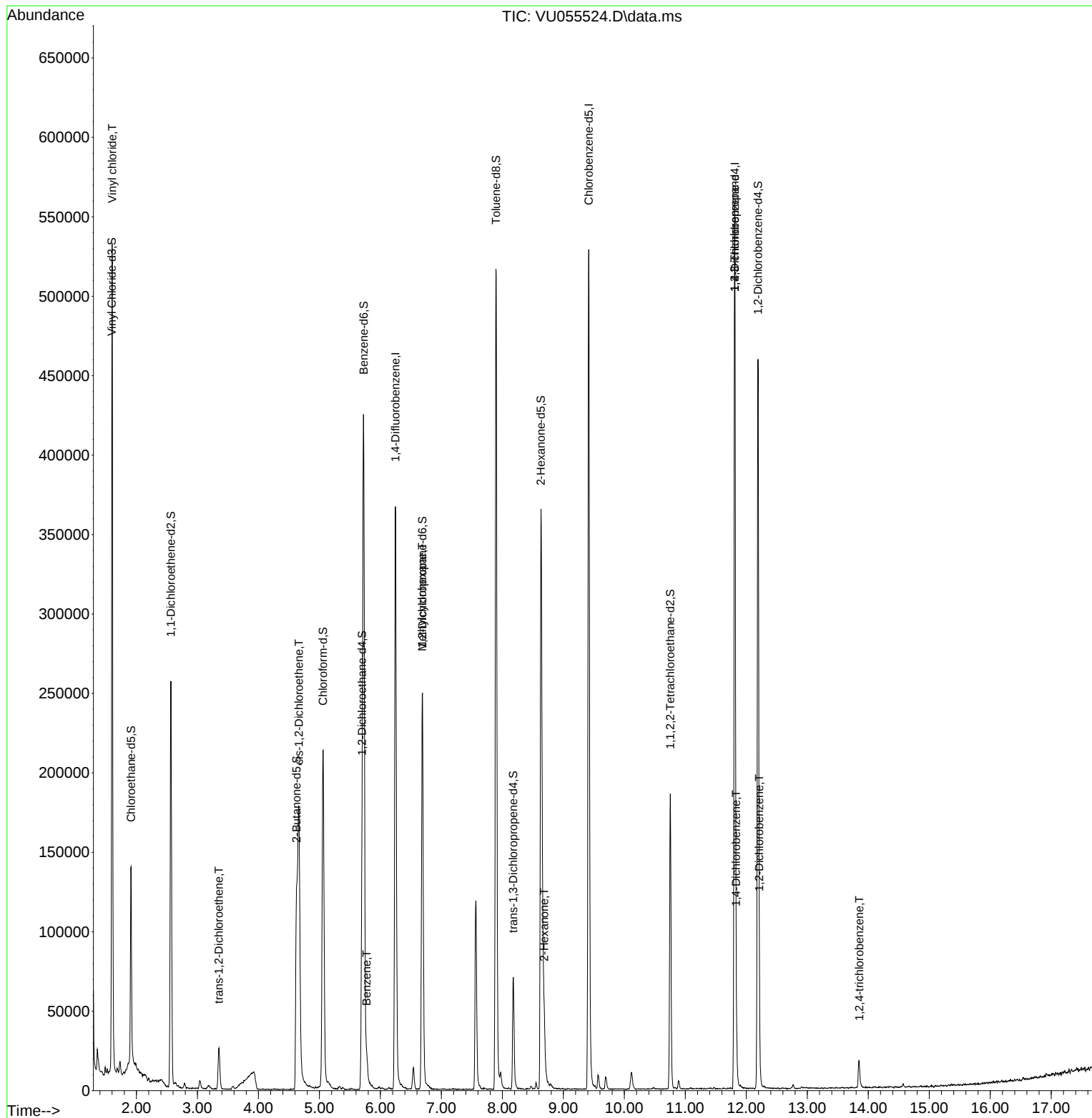
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	305328	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	313995	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	156483	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	117207	3.798	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.000%
7) Chloroethane-d5	1.911	69	88303	3.247	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	65.000%
11) 1,1-Dichloroethene-d2	2.563	65	47319	3.725	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.600%
20) 2-Butanone-d5	4.624	46	203379	36.488	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	72.980%
24) Chloroform-d	5.059	84	208328	3.732	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.600%
26) 1,2-Dichloroethane-d4	5.698	65	99626	3.711	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.200%
32) Benzene-d6	5.724	84	420580	3.829	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.600%
36) 1,2-Dichloropropane-d6	6.689	67	128895	3.928	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	78.600%
41) Toluene-d8	7.894	98	363750	3.634	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.600%
43) trans-1,3-Dichloroprop...	8.177	79	44166	3.835	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.800%
46) 2-Hexanone-d5	8.631	63	116145	33.158	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	66.320%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	93116	3.786	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	75.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	124817	3.952	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	79.000%#
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	275337	9.759	ug/L	97
18) trans-1,2-Dichloroethene	3.351	96	12289	0.571	ug/L	86
22) cis-1,2-Dichloroethene	4.663	96	81506	3.267	ug/L	97
33) Benzene	5.772	78	15791	0.175	ug/L	100
35) Methylcyclohexane	6.685	83	29381	0.798	ug/L	# 20
48) 2-Hexanone	8.685	43	25827	3.108	ug/L	# 89
61) 1,2,3-Trichloropropane	11.807	75	20162	1.651	ug/L	# 66
65) 1,4-Dichlorobenzene	11.833	146	8889	0.206	ug/L	97
67) 1,2-Dichlorobenzene	12.213	146	8715	0.220	ug/L	89
70) 1,2,4-trichlorobenzene	13.852	180	7371	0.325	ug/L	98

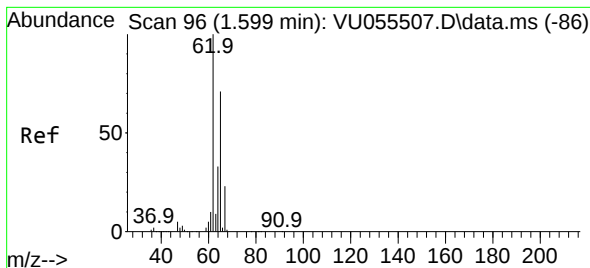
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 9.759 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.003 min

Lab File: VU055524.D

Acq: 26 Sep 2023 18:15

Instrument :

MSVOA_U

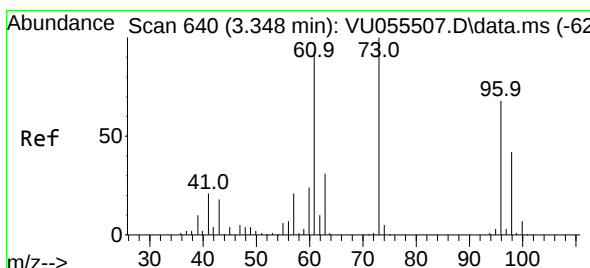
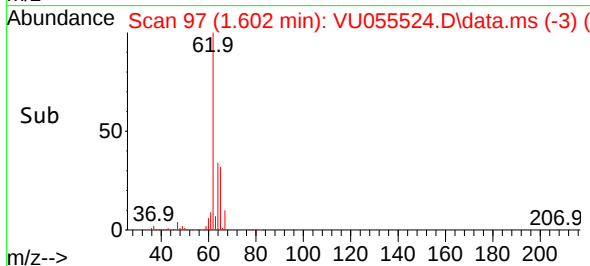
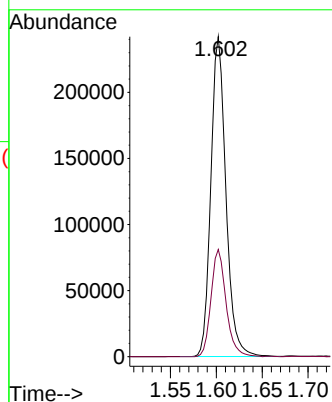
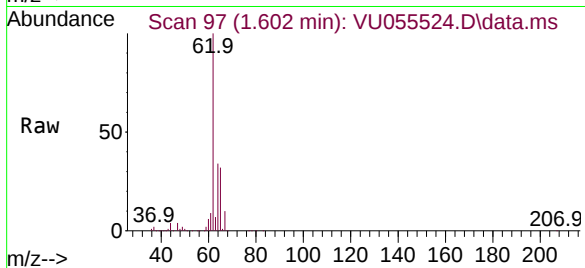
ClientSampleId :

Tgt Ion: 62 Resp: 275337

Ion Ratio Lower Upper

62 100

64 33.5 22.3 41.5



#18

trans-1,2-Dichloroethene

Concen: 0.571 ug/L

RT: 3.351 min Scan# 641

Delta R.T. 0.003 min

Lab File: VU055524.D

Acq: 26 Sep 2023 18:15

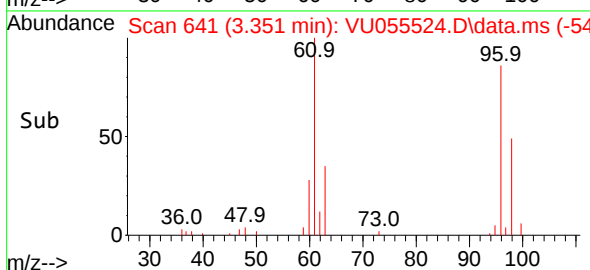
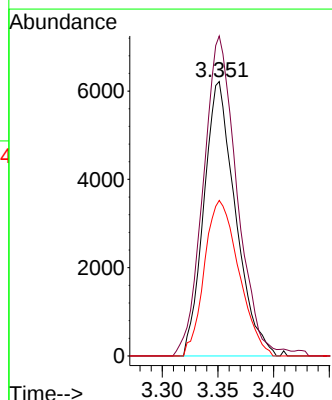
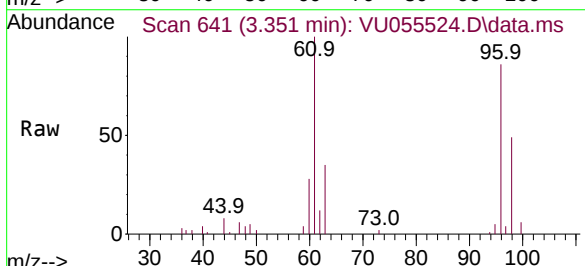
Tgt Ion: 96 Resp: 12289

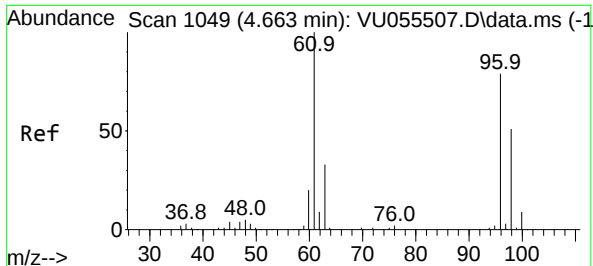
Ion Ratio Lower Upper

96 100

61 116.6 94.6 175.6

98 56.7 45.7 84.9





#22

cis-1,2-Dichloroethene

Concen: 3.267 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. -0.000 min

Lab File: VU055524.D

Acq: 26 Sep 2023 18:15

Instrument :

MSVOA_U

ClientSampleId :

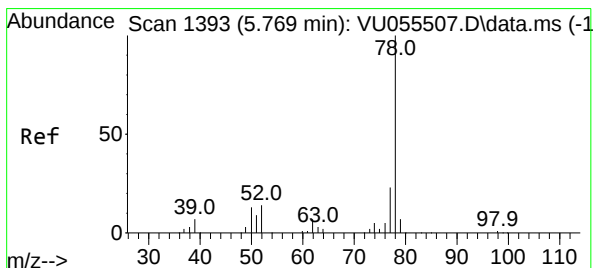
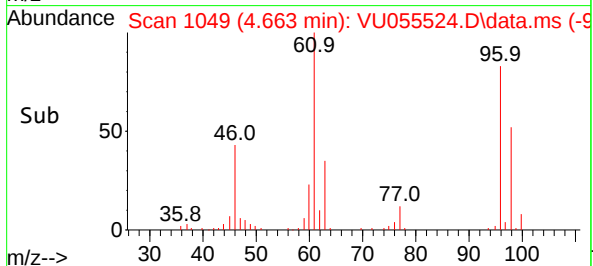
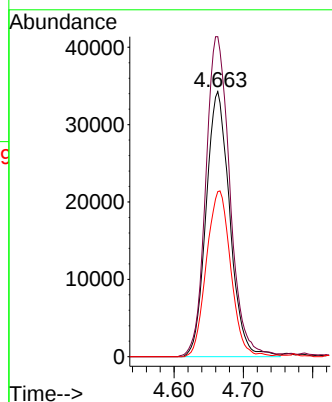
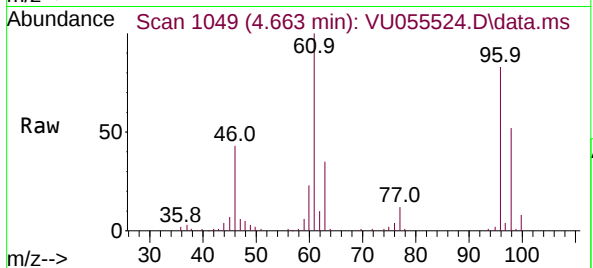
Tgt Ion: 96 Resp: 81506

Ion Ratio Lower Upper

96 100

61 120.7 87.8 163.2

98 62.3 44.4 82.4



#33

Benzene

Concen: 0.175 ug/L

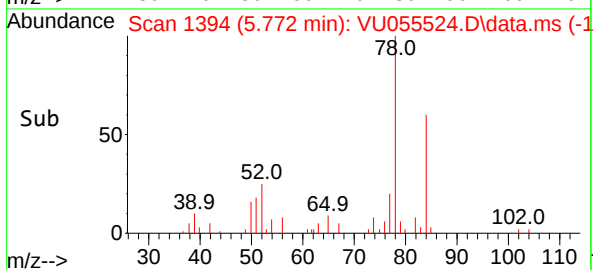
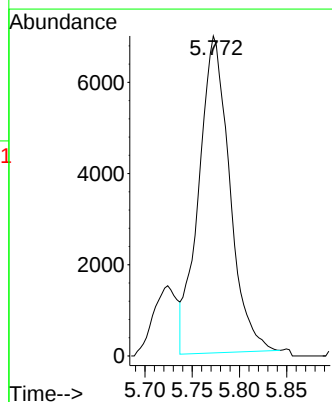
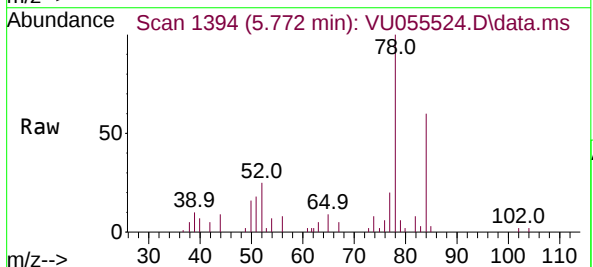
RT: 5.772 min Scan# 1394

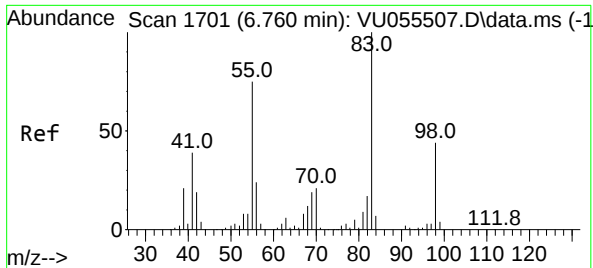
Delta R.T. 0.003 min

Lab File: VU055524.D

Acq: 26 Sep 2023 18:15

Tgt Ion: 78 Resp: 15791

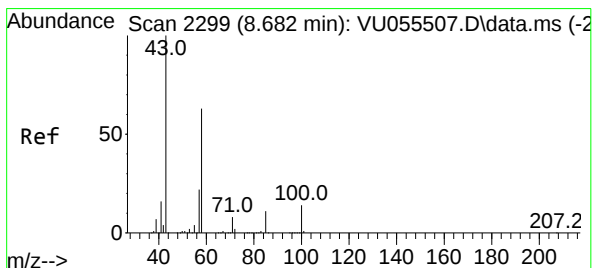
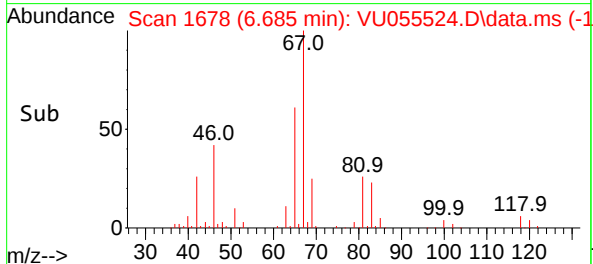
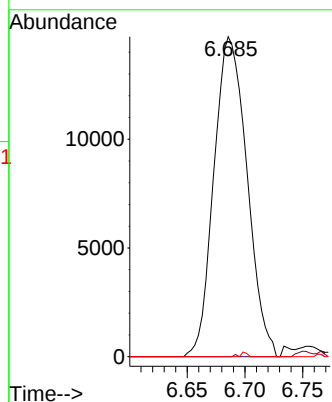
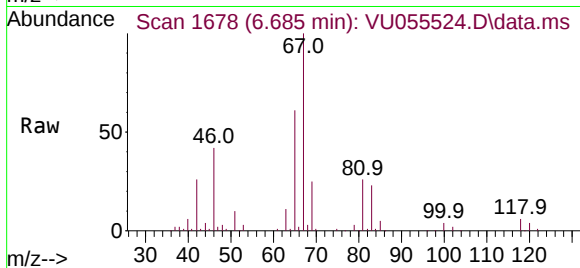




#35
Methylcyclohexane
Concen: 0.798 ug/L
RT: 6.685 min Scan# 1
Delta R.T. -0.074 min
Lab File: VU055524.D
Acq: 26 Sep 2023 18:15

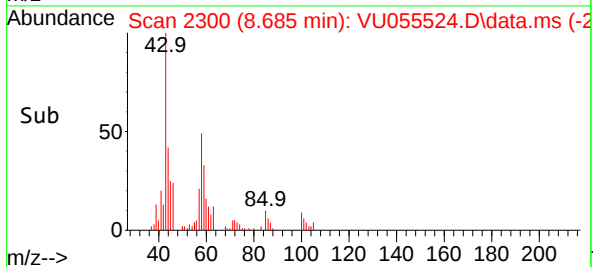
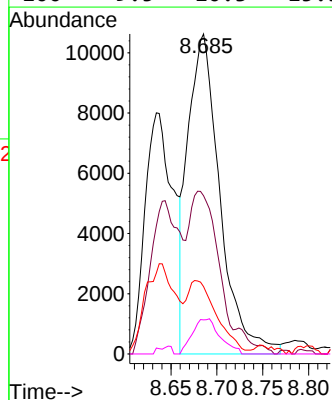
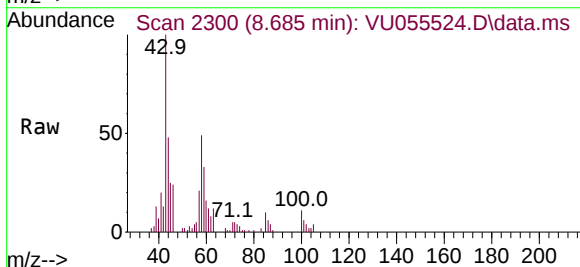
Instrument :
MSVOA_U
ClientSampleId :

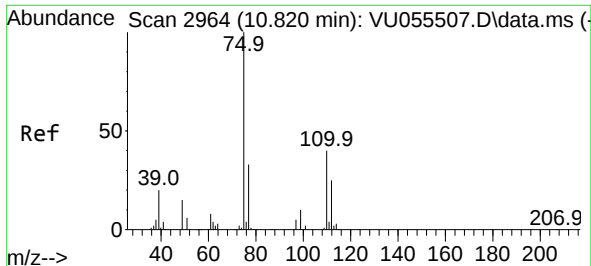
Tgt Ion: 83 Resp: 29381
Ion Ratio Lower Upper
83 100
55 0.1 59.1 88.7#
98 0.2 36.3 54.5#



#48
2-Hexanone
Concen: 3.108 ug/L
RT: 8.685 min Scan# 2300
Delta R.T. 0.003 min
Lab File: VU055524.D
Acq: 26 Sep 2023 18:15

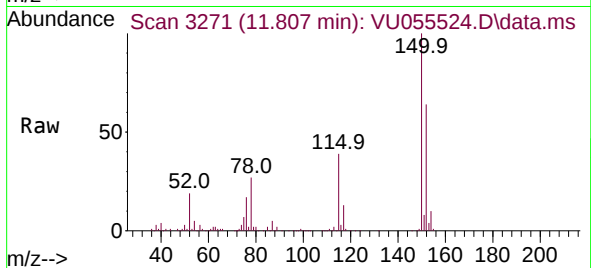
Tgt Ion: 43 Resp: 25827
Ion Ratio Lower Upper
43 100
58 48.6 48.5 72.7
57 21.3 17.0 25.4
100 9.5 10.3 15.5#



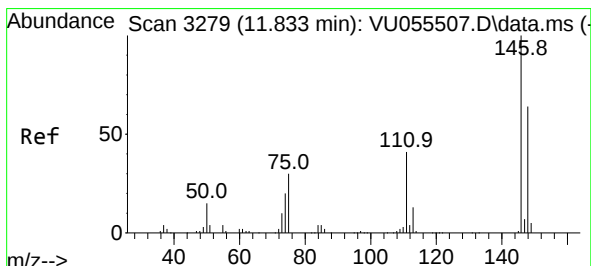
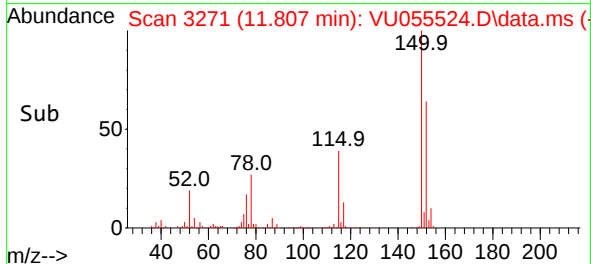
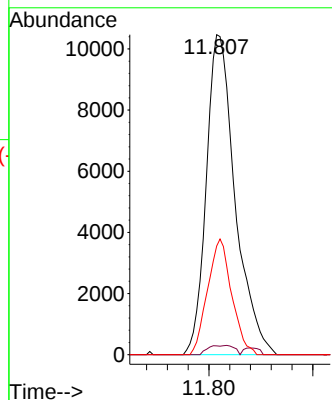


#61
1,2,3-Trichloropropane
Concen: 1.651 ug/L
RT: 11.807 min Scan# 31
Delta R.T. 0.987 min
Lab File: VU055524.D
Acq: 26 Sep 2023 18:15

Instrument :
MSVOA_U
ClientSampleId :

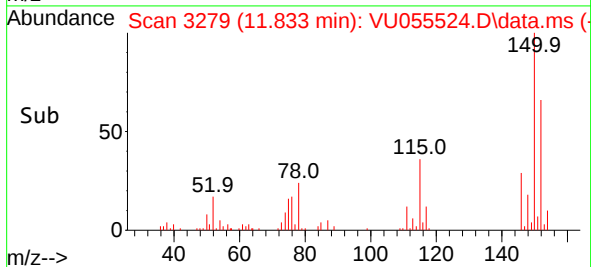
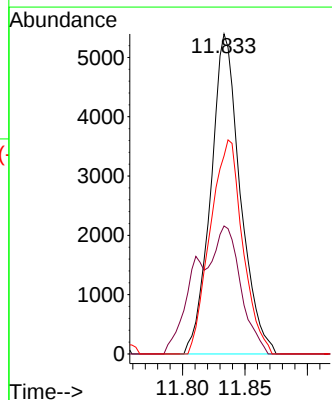
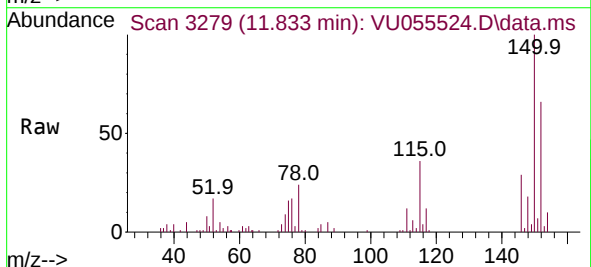


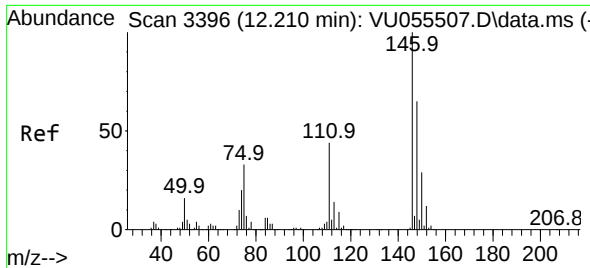
Tgt Ion: 75 Resp: 20162
Ion Ratio Lower Upper
75 100
110 2.6 30.6 45.8#
77 30.2 26.7 40.1



#65
1,4-Dichlorobenzene
Concen: 0.206 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU055524.D
Acq: 26 Sep 2023 18:15

Tgt Ion:146 Resp: 8889
Ion Ratio Lower Upper
146 100
111 40.0 29.0 53.8
148 61.9 45.4 84.4





#67

1,2-Dichlorobenzene

Concen: 0.220 ug/L

RT: 12.213 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU055524.D

Acq: 26 Sep 2023 18:15

Instrument :

MSVOA_U

ClientSampleId :

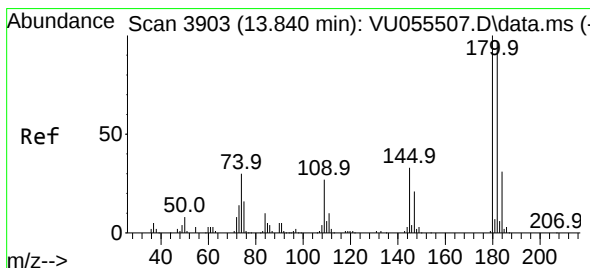
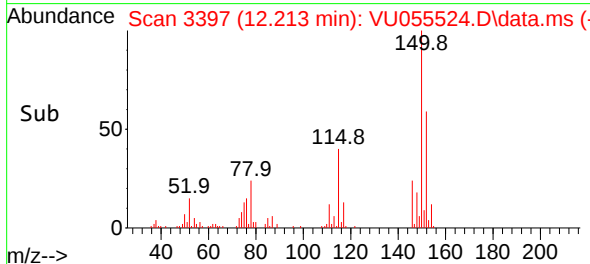
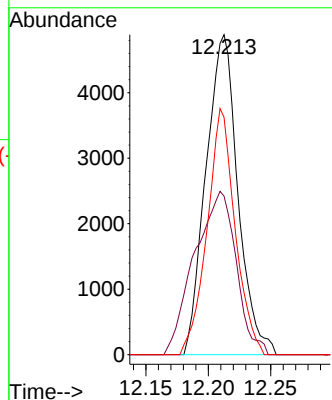
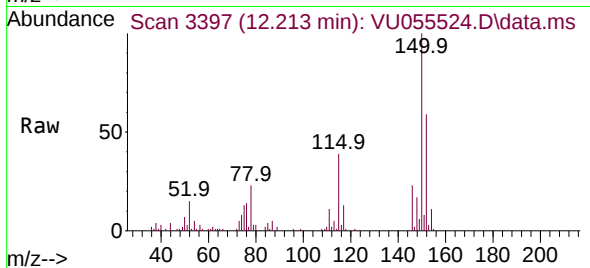
Tgt Ion:146 Resp: 8715

Ion Ratio Lower Upper

146 100

111 49.6 34.6 52.0

148 74.2 51.8 77.8



#70

1,2,4-trichlorobenzene

Concen: 0.325 ug/L

RT: 13.852 min Scan# 3907

Delta R.T. 0.013 min

Lab File: VU055524.D

Acq: 26 Sep 2023 18:15

Tgt Ion:180 Resp: 7371

Ion Ratio Lower Upper

180 100

182 97.4 76.4 114.6

145 30.0 25.4 38.0

