

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091223\
 Data File : VU055269.D
 Acq On : 13 Sep 2023 03:50
 Operator : MD/SY
 Sample : 04350-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 13 05:36:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 13 05:34:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	173675	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	191042	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	88757	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	34837	4.280	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.600%
7) Chloroethane-d5	1.907	69	43207	4.586	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.800%
11) 1,1-Dichloroethene-d2	2.563	65	14566	3.141	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.800%
20) 2-Butanone-d5	4.624	46	128437	54.374	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.740%
24) Chloroform-d	5.062	84	95459	4.419	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.400%
26) 1,2-Dichloroethane-d4	5.701	65	48663	4.503	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.000%
32) Benzene-d6	5.724	84	177894	3.772	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.400%
36) 1,2-Dichloropropane-d6	6.689	67	60209	4.014	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.200%
41) Toluene-d8	7.897	98	156316	3.598	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.000%
43) trans-1,3-Dichloroprop...	8.180	79	13834	3.349	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	67.000%
46) 2-Hexanone-d5	8.631	63	73151	43.623	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.240%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	46645	4.422	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.400%
66) 1,2-Dichlorobenzene-d4	12.193	152	51703	3.991	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	79.800%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	2319	0.230	ug/L	99
3) Chloromethane	1.515	50	2406	0.234	ug/L	87
5) Vinyl chloride	1.602	62	1203082	110.996	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	1687	0.184	ug/L #	61
12) 1,1-Dichloroethene	2.576	96	93248	11.613	ug/L #	77
17) Methyl tert-butyl Ether	3.361	73	74271	3.527	ug/L	99
18) trans-1,2-Dichloroethene	3.354	96	8941	1.098	ug/L	87
19) 1,1-Dichloroethane	3.865	63	59846	3.399	ug/L	93
22) cis-1,2-Dichloroethene	4.660	96	4835150	484.874	ug/L	93
25) Chloroform	5.087	83	36584	1.995	ug/L	92
27) 1,2-Dichloroethane	5.795	62	11258	1.006	ug/L	95
29) 1,1,1-Trichloroethane	5.312	97	15780	0.955	ug/L #	86
33) Benzene	5.779	78	6009	0.148	ug/L	100
34) Trichloroethene	6.537	95	1565693	138.557	ug/L	98
35) Methylcyclohexane	6.689	83	14165	0.893	ug/L #	36
37) 1,2-Dichloropropane	6.689	63	6539	0.591	ug/L #	88
47) Tetrachloroethene	8.553	164	16409	2.101	ug/L	94
48) 2-Hexanone	8.676	43	21427	4.332	ug/L #	79
49) Dibromochloromethane	8.553	129	17131	2.105	ug/L #	9

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QLast Update : Wed Sep 13 05:34:47 2023
Response via : Initial Calibration

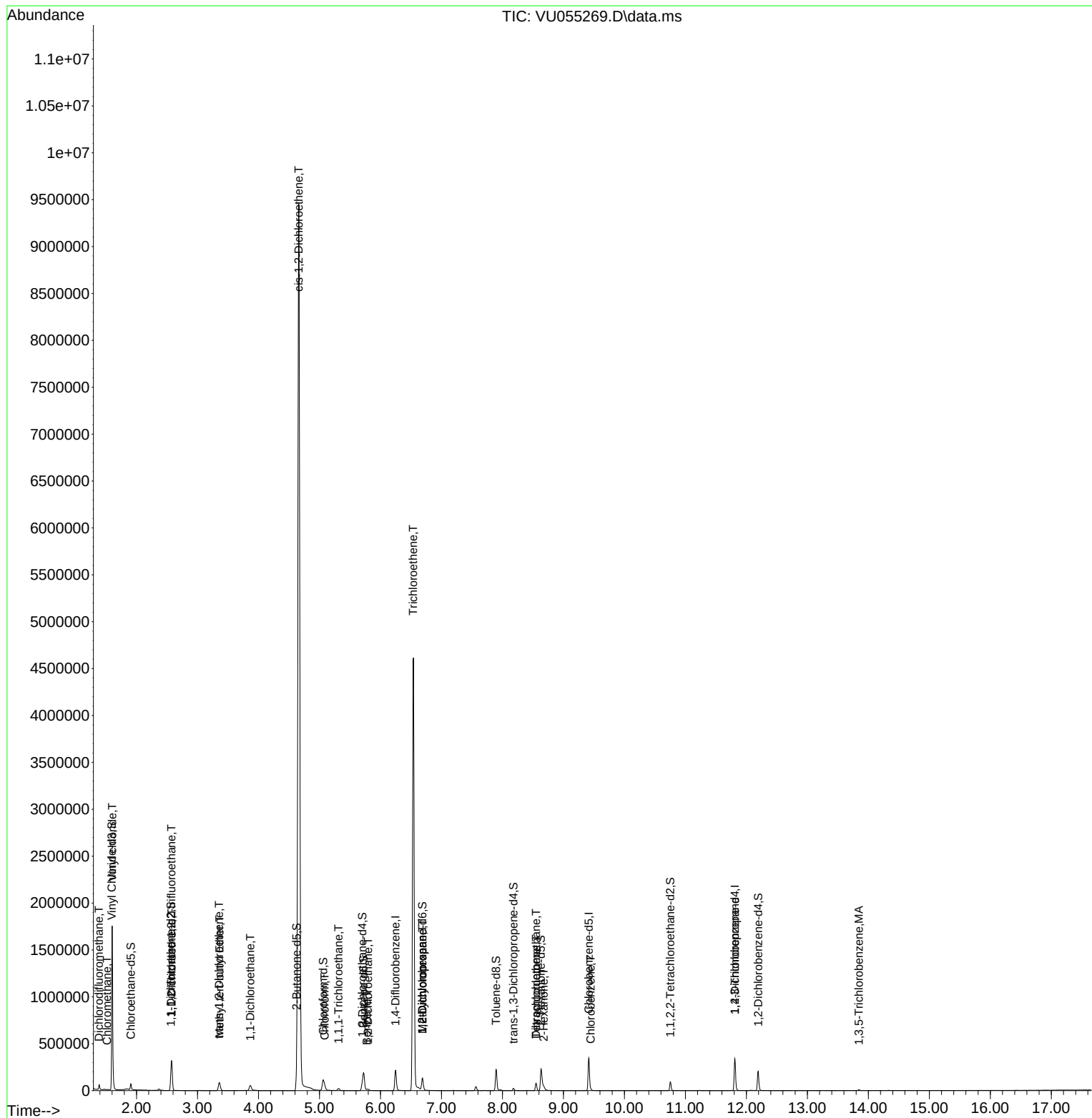
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Chlorobenzene	9.447	112	5655	0.197	ug/L	97
61) 1,2,3-Trichloropropane	11.810	75	12783	2.170	ug/L #	70
69) 1,3,5-Trichlorobenzene	13.846	180	3705	0.247	ug/L #	95

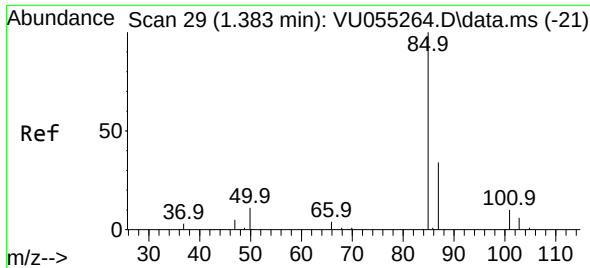
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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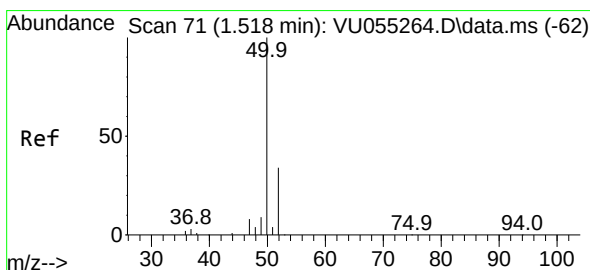
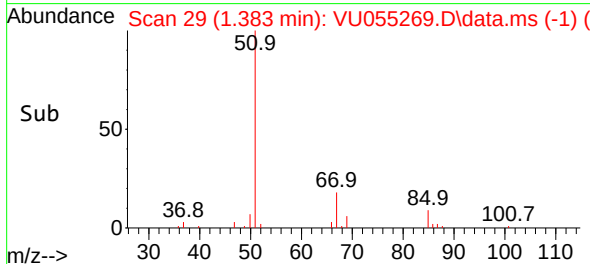
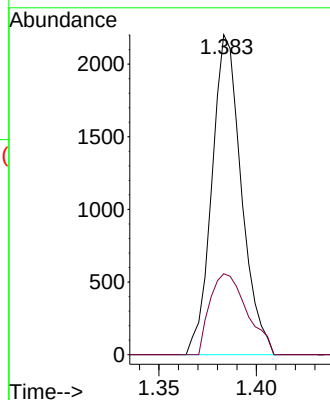
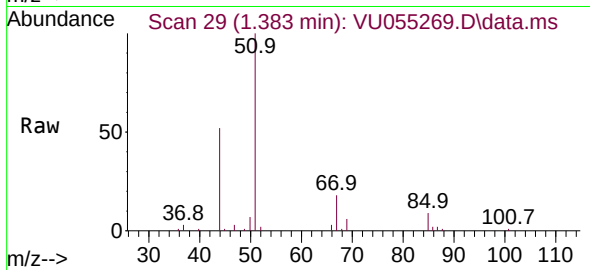




#2
 Dichlorodifluoromethane
 Concen: 0.230 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU055269.D
 Acq: 13 Sep 2023 03:50

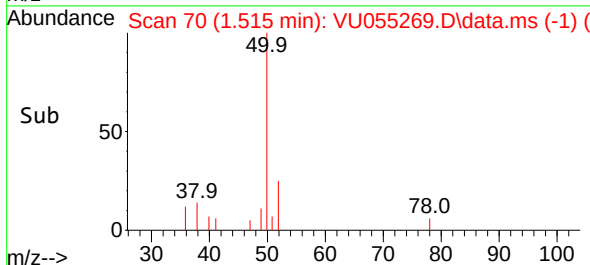
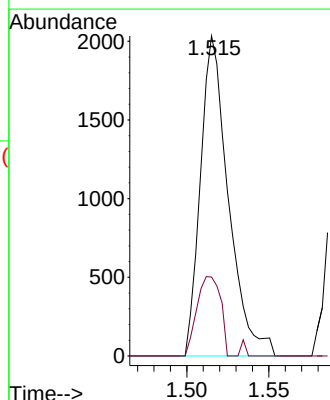
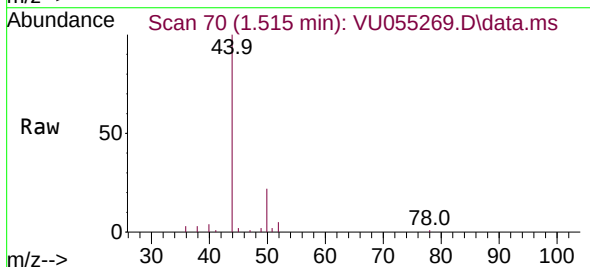
Instrument :
 MSVOA_U
 ClientSampleId :

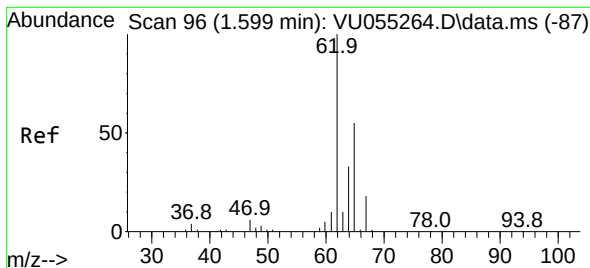
Tgt Ion: 85 Resp: 2319
 Ion Ratio Lower Upper
 85 100
 87 31.9 25.1 37.7



#3
 Chloromethane
 Concen: 0.234 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.003 min
 Lab File: VU055269.D
 Acq: 13 Sep 2023 03:50

Tgt Ion: 50 Resp: 2406
 Ion Ratio Lower Upper
 50 100
 52 24.6 22.5 41.7





#5

Vinyl chloride

Concen: 110.996 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.003 min

Lab File: VU055269.D

Acq: 13 Sep 2023 03:50

Instrument :

MSVOA_U

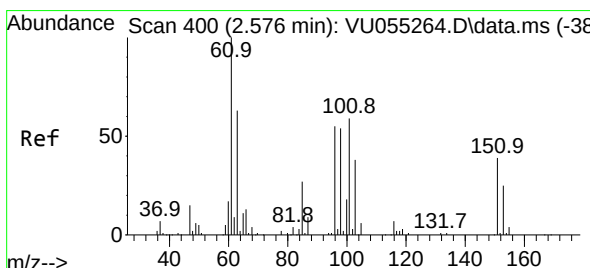
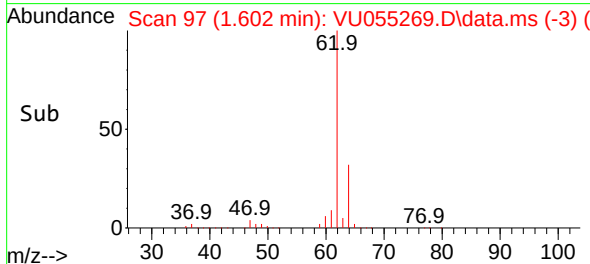
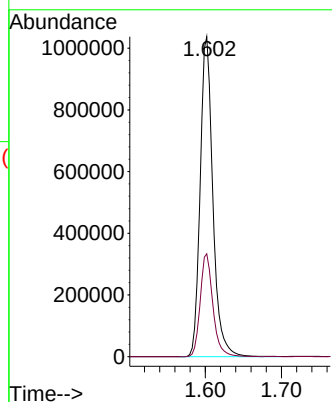
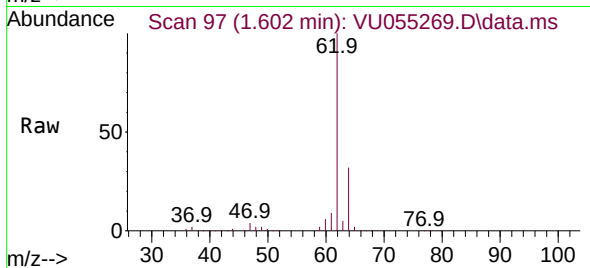
ClientSampleId :

Tgt Ion: 62 Resp: 1203082

Ion Ratio Lower Upper

62 100

64 32.2 24.2 45.0



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.184 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU055269.D

Acq: 13 Sep 2023 03:50

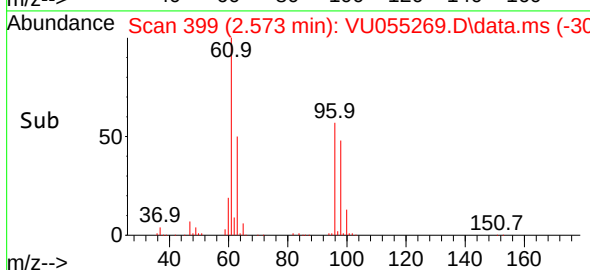
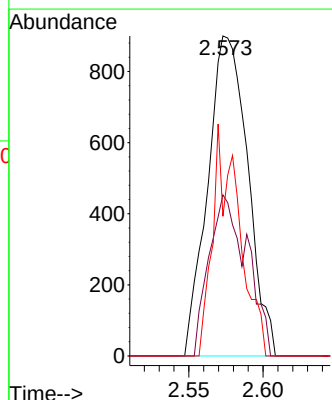
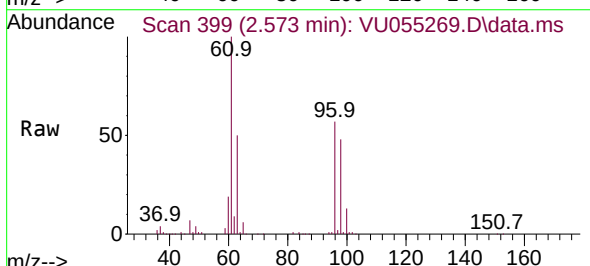
Tgt Ion:101 Resp: 1687

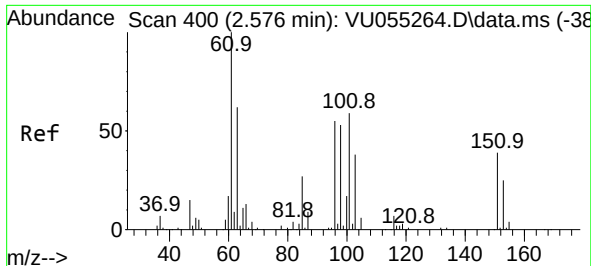
Ion Ratio Lower Upper

101 100

85 48.0 37.3 55.9

151 19.9 57.6 86.4#

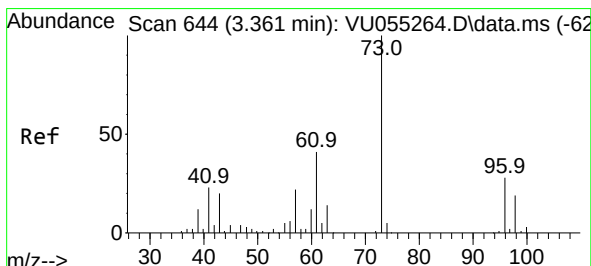
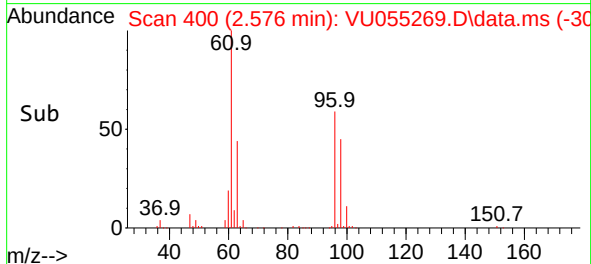
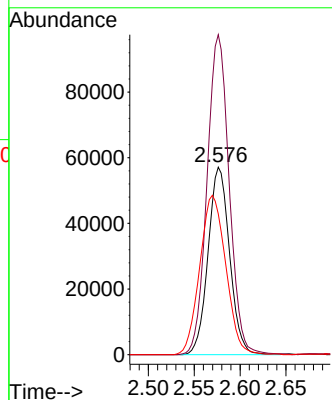
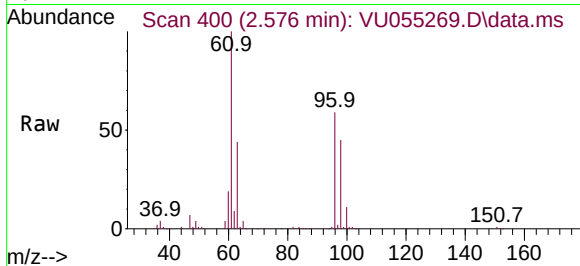




#12
1,1-Dichloroethene
Concen: 11.613 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU055269.D
Acq: 13 Sep 2023 03:50

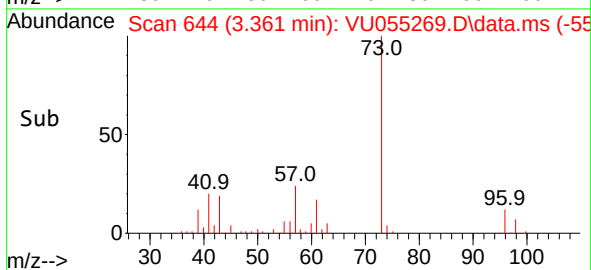
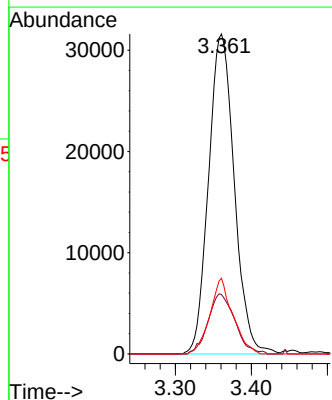
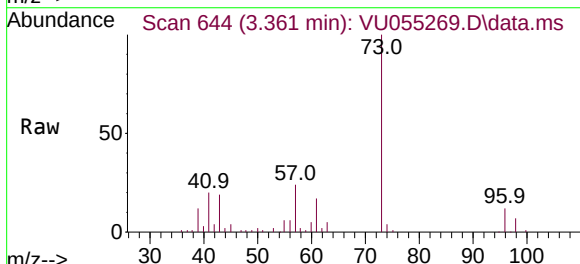
Instrument :
MSVOA_U
ClientSampleId :

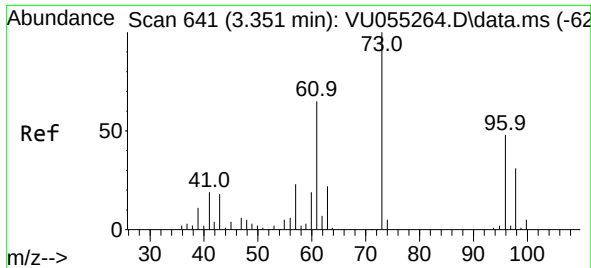
Tgt Ion: 96 Resp: 93248
Ion Ratio Lower Upper
96 100
61 170.6 120.8 224.4
63 75.1 94.5 175.5#



#17
Methyl tert-butyl Ether
Concen: 3.527 ug/L
RT: 3.361 min Scan# 644
Delta R.T. -0.000 min
Lab File: VU055269.D
Acq: 13 Sep 2023 03:50

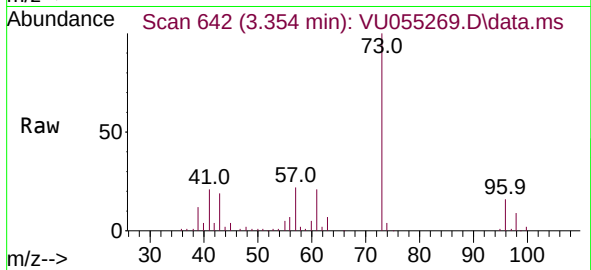
Tgt Ion: 73 Resp: 74271
Ion Ratio Lower Upper
73 100
43 19.5 16.2 24.2
57 21.1 17.4 26.2



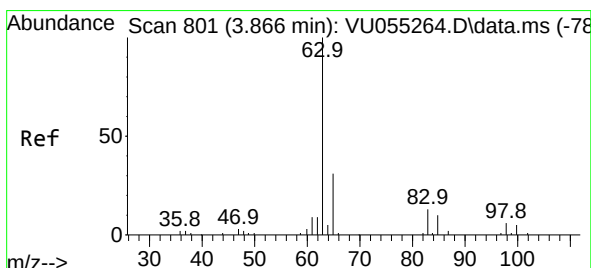
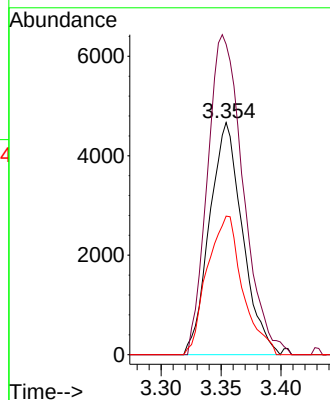
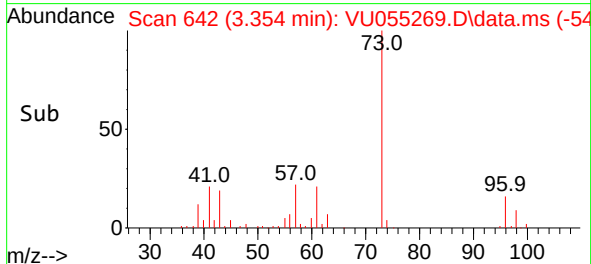


#18
 trans-1,2-Dichloroethene
 Concen: 1.098 ug/L
 RT: 3.354 min Scan# 641
 Delta R.T. 0.003 min
 Lab File: VU055269.D
 Acq: 13 Sep 2023 03:50

Instrument :
 MSVOA_U
 ClientSampleId :

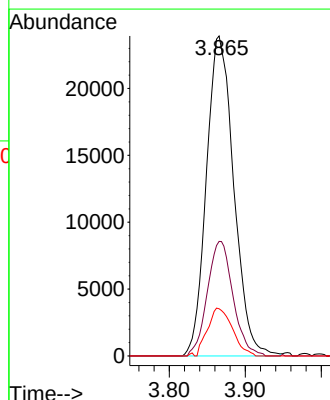
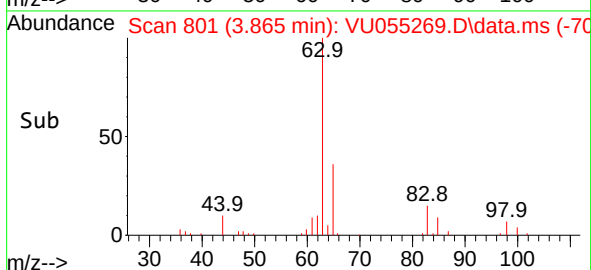
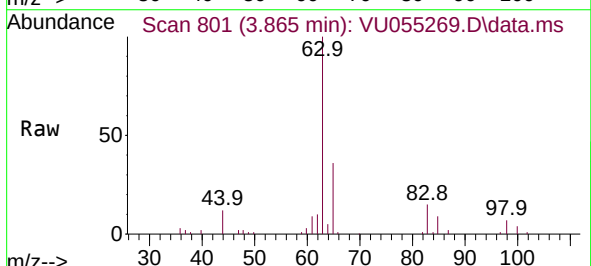


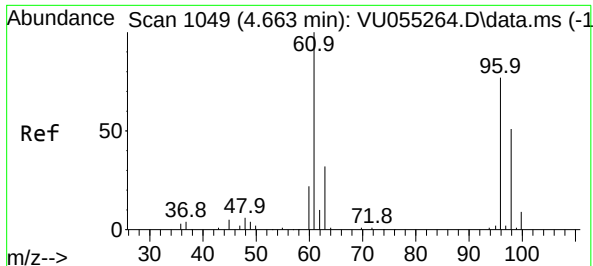
Tgt Ion:	96	Resp:	8941
Ion	Ratio	Lower	Upper
96	100		
61	133.7	108.1	200.9
98	59.7	45.4	84.4



#19
 1,1-Dichloroethane
 Concen: 3.399 ug/L
 RT: 3.865 min Scan# 801
 Delta R.T. -0.000 min
 Lab File: VU055269.D
 Acq: 13 Sep 2023 03:50

Tgt Ion:	63	Resp:	59846
Ion	Ratio	Lower	Upper
63	100		
65	37.0	22.2	41.2
83	14.7	10.6	19.8





#22

cis-1,2-Dichloroethene

Concen: 484.874 ug/L

RT: 4.660 min Scan# 1108

Delta R.T. -0.003 min

Lab File: VU055269.D

Acq: 13 Sep 2023 03:50

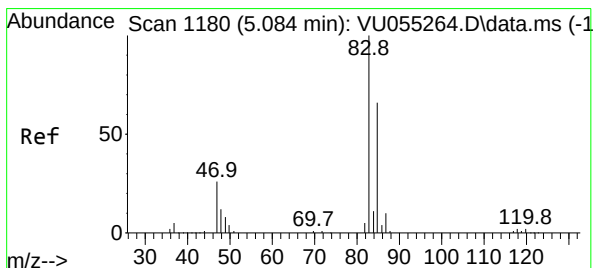
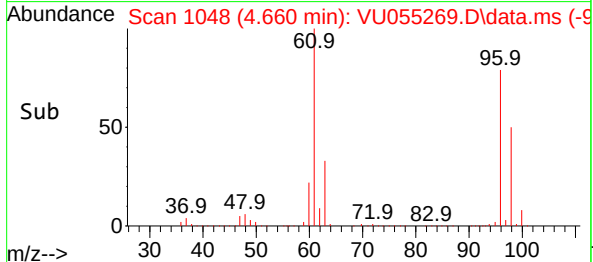
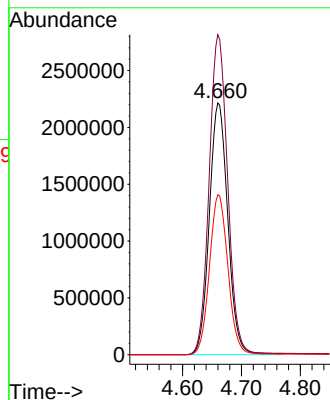
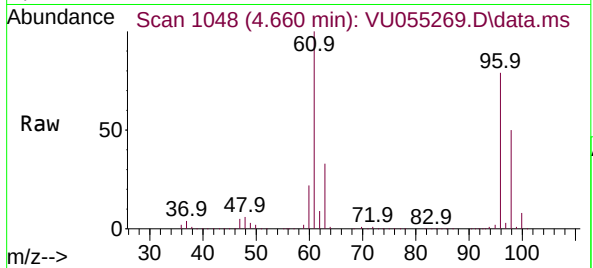
Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 96 Resp: 4835150

Ion	Ratio	Lower	Upper
96	100		
61	127.1	97.2	180.4
98	63.6	46.1	85.7



#25

Chloroform

Concen: 1.995 ug/L

RT: 5.087 min Scan# 1181

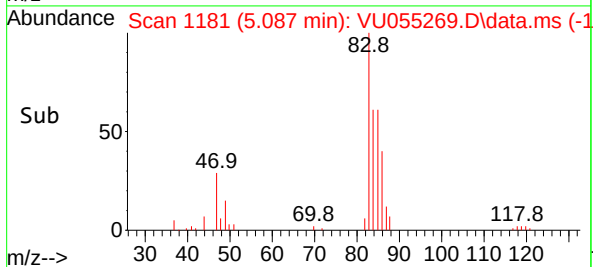
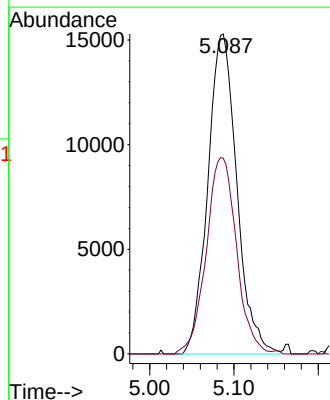
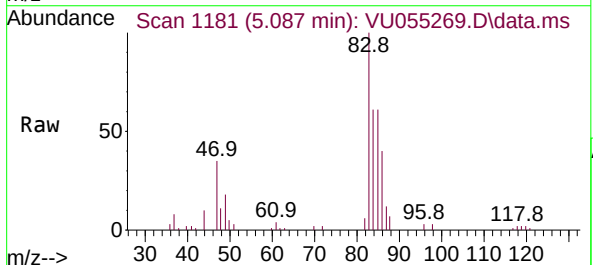
Delta R.T. 0.003 min

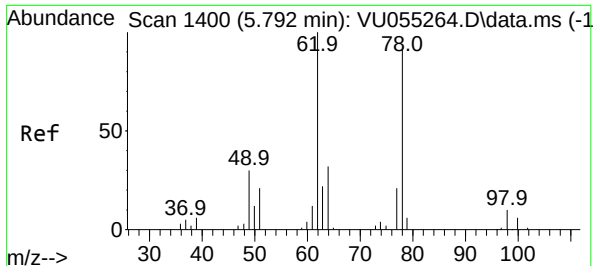
Lab File: VU055269.D

Acq: 13 Sep 2023 03:50

Tgt Ion: 83 Resp: 36584

Ion	Ratio	Lower	Upper
83	100		
85	61.2	47.2	87.6

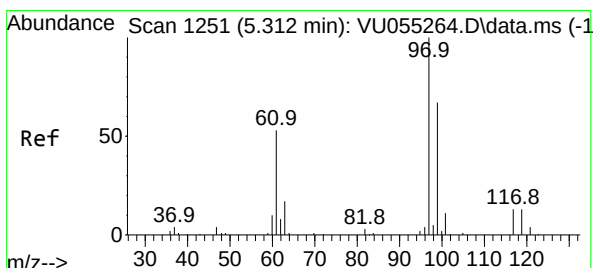
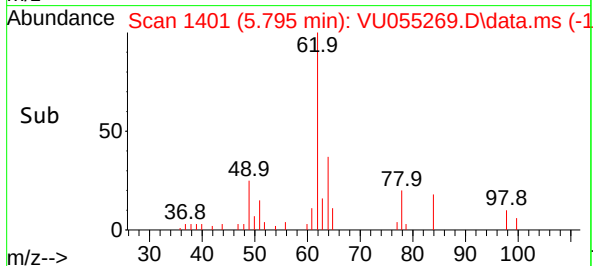
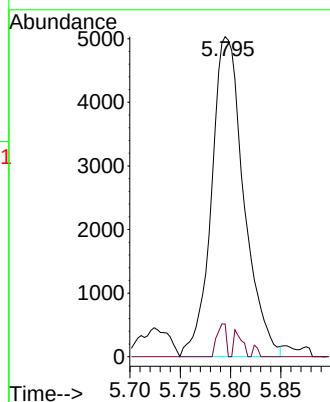
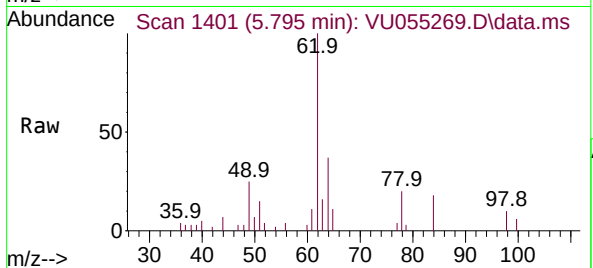




#27
1,2-Dichloroethane
Concen: 1.006 ug/L
RT: 5.795 min Scan# 1400
Delta R.T. 0.003 min
Lab File: VU055269.D
Acq: 13 Sep 2023 03:50

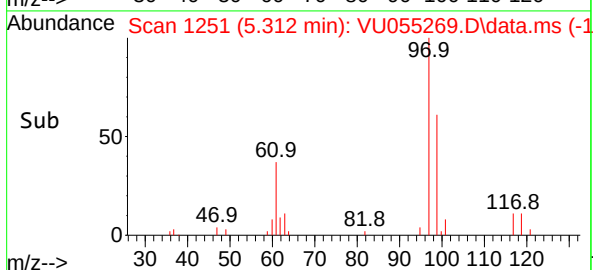
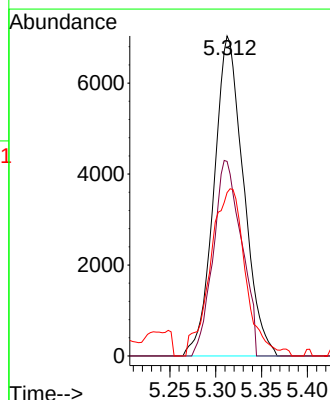
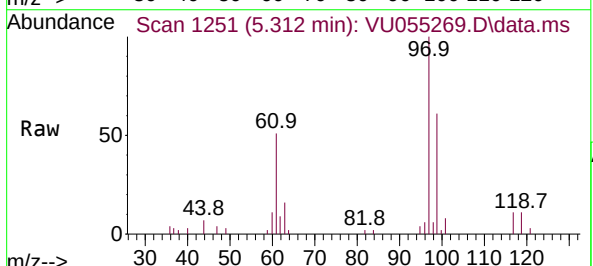
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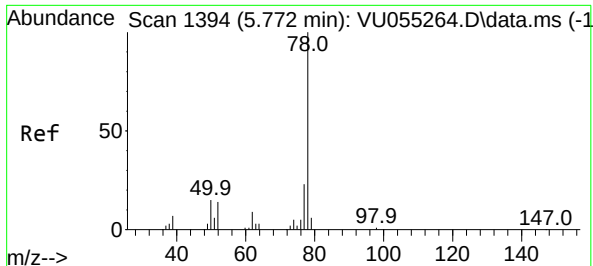
Tgt Ion: 62 Resp: 11258
Ion Ratio Lower Upper
62 100
98 10.2 6.9 10.3



#29
1,1,1-Trichloroethane
Concen: 0.955 ug/L
RT: 5.312 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VU055269.D
Acq: 13 Sep 2023 03:50

Tgt Ion: 97 Resp: 15780
Ion Ratio Lower Upper
97 100
99 58.4 51.8 77.8
61 61.2 36.8 55.2#

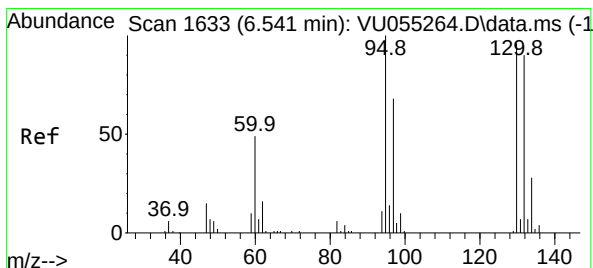
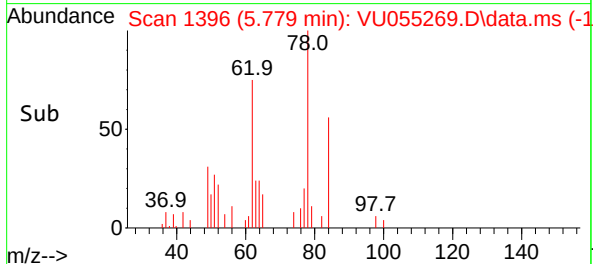
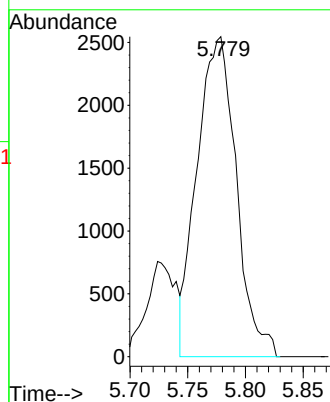
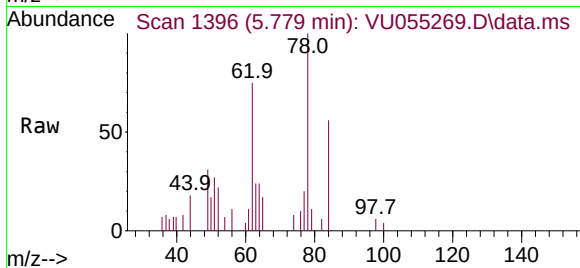




#33
Benzene
Concen: 0.148 ug/L
RT: 5.779 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU055269.D
Acq: 13 Sep 2023 03:50

Instrument :
MSVOA_U
ClientSampleId :

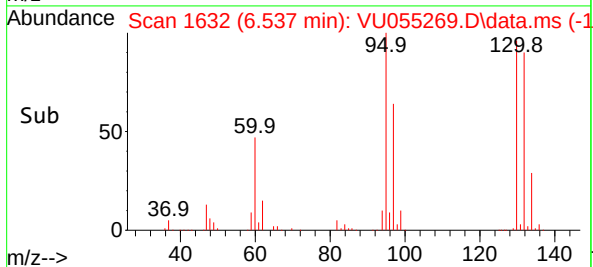
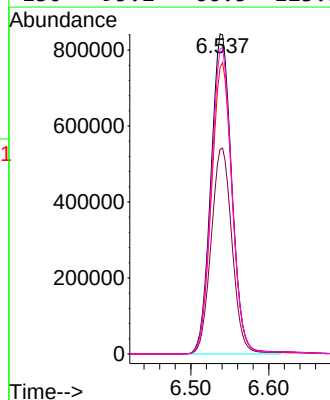
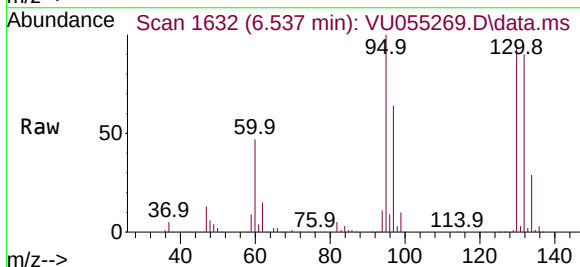
Tgt Ion: 78 Resp: 6009

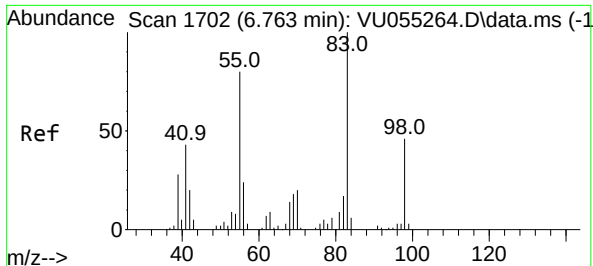


#34
Trichloroethene
Concen: 138.557 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. -0.003 min
Lab File: VU055269.D
Acq: 13 Sep 2023 03:50

Tgt Ion: 95 Resp: 1565693

Ion	Ratio	Lower	Upper
95	100		
97	63.9	44.7	83.1
132	89.6	66.6	123.6
130	95.2	66.5	123.5

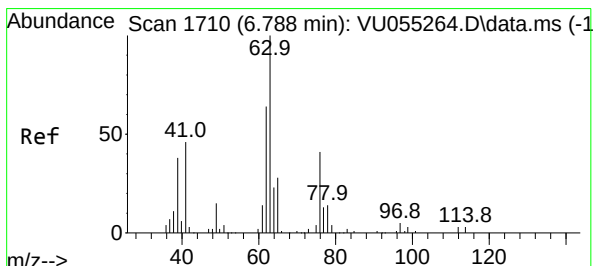
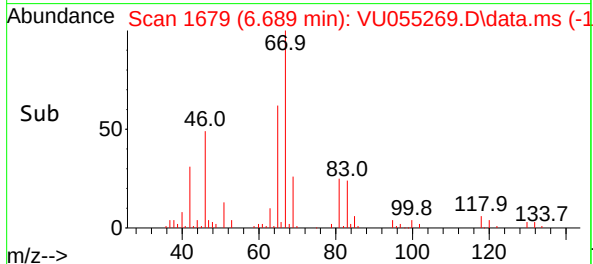
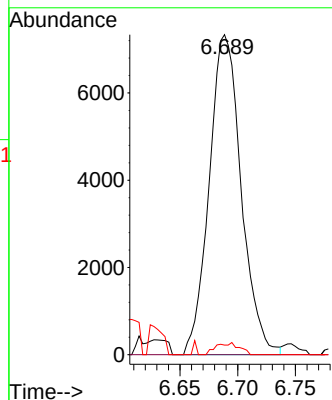
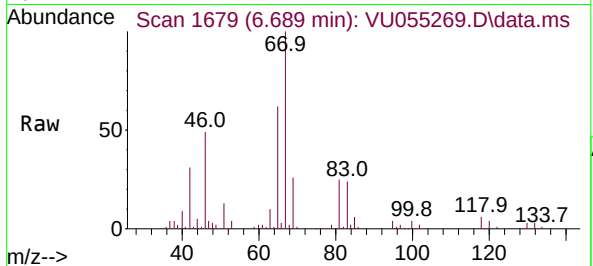




#35
Methylcyclohexane
Concen: 0.893 ug/L
RT: 6.689 min Scan# 1679
Delta R.T. -0.074 min
Lab File: VU055269.D
Acq: 13 Sep 2023 03:50

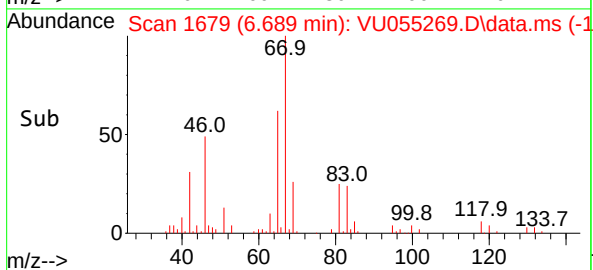
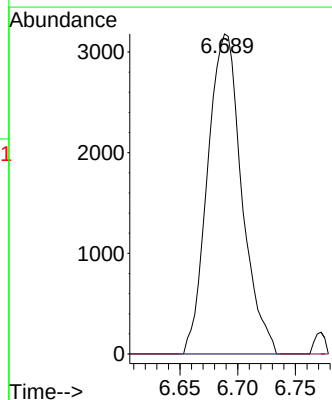
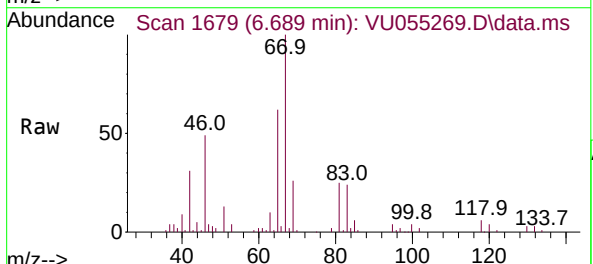
Instrument :
MSVOA_U
ClientSampleId :

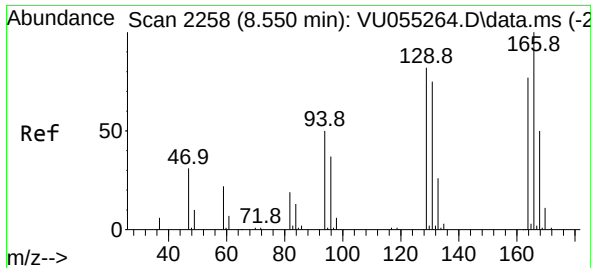
Tgt Ion: 83 Resp: 14165
Ion Ratio Lower Upper
83 100
55 0.0 60.4 90.6#
98 29.5 35.3 52.9#



#37
1,2-Dichloropropane
Concen: 0.591 ug/L
RT: 6.689 min Scan# 1679
Delta R.T. -0.100 min
Lab File: VU055269.D
Acq: 13 Sep 2023 03:50

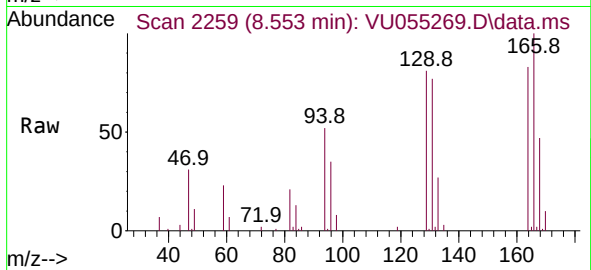
Tgt Ion: 63 Resp: 6539
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



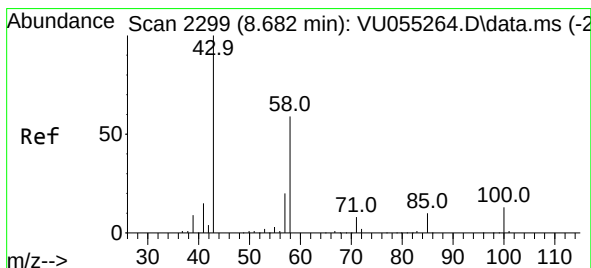
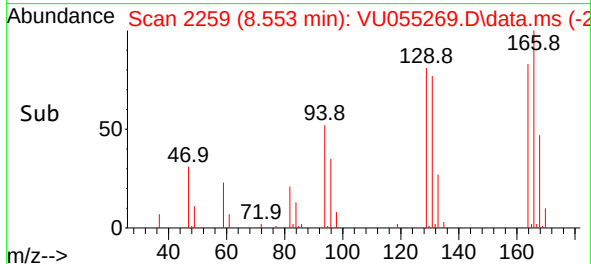
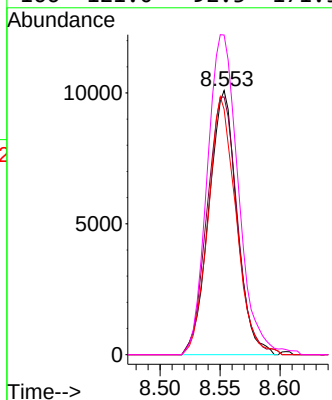


#47
Tetrachloroethene
Concen: 2.101 ug/L
RT: 8.553 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055269.D
Acq: 13 Sep 2023 03:50

Instrument :
MSVOA_U
ClientSampleId :

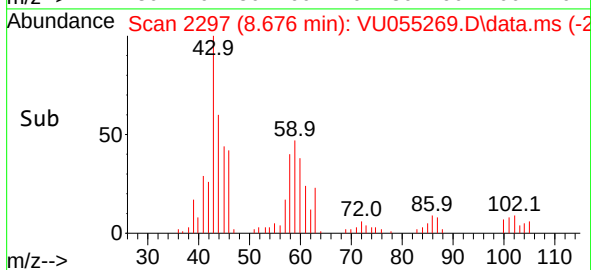
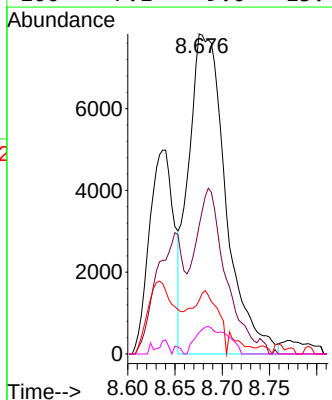
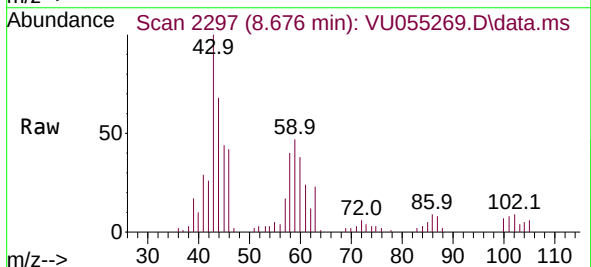


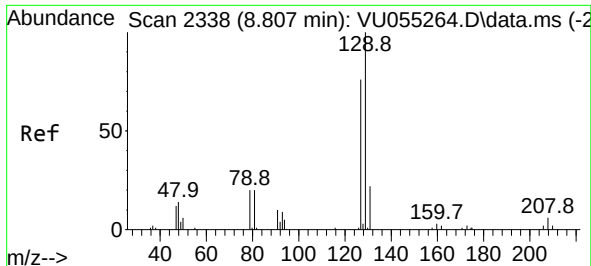
Tgt Ion:164 Resp: 16409
Ion Ratio Lower Upper
164 100
129 97.6 69.2 128.6
131 92.8 68.8 127.8
166 121.0 92.3 171.5



#48
2-Hexanone
Concen: 4.332 ug/L
RT: 8.676 min Scan# 2297
Delta R.T. -0.007 min
Lab File: VU055269.D
Acq: 13 Sep 2023 03:50

Tgt Ion: 43 Resp: 21427
Ion Ratio Lower Upper
43 100
58 37.8 44.0 66.0#
57 11.1 16.2 24.2#
100 7.1 9.0 13.4#





#49

Dibromochloromethane

Concen: 2.105 ug/L

RT: 8.553 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU055269.D

Acq: 13 Sep 2023 03:50

Instrument :

MSVOA_U

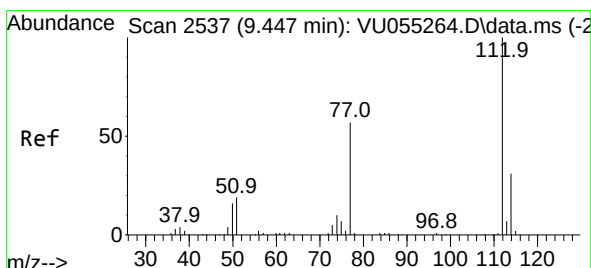
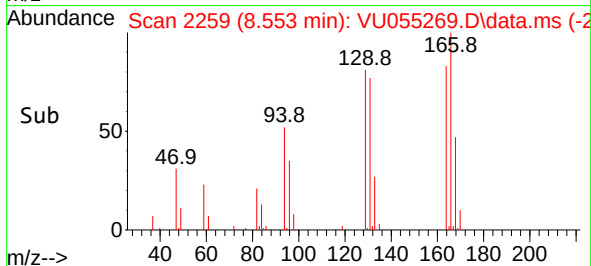
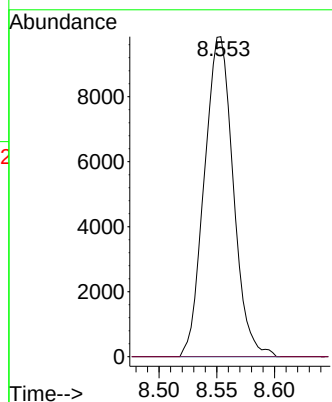
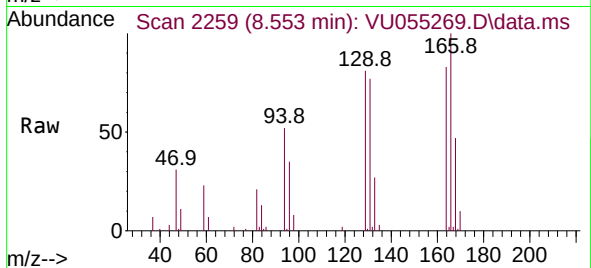
ClientSampleId :

Tgt Ion:129 Resp: 17131

Ion Ratio Lower Upper

129 100

127 0.0 55.9 103.7#



#51

Chlorobenzene

Concen: 0.197 ug/L

RT: 9.447 min Scan# 2537

Delta R.T. -0.000 min

Lab File: VU055269.D

Acq: 13 Sep 2023 03:50

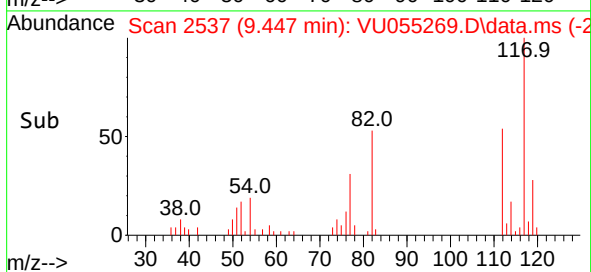
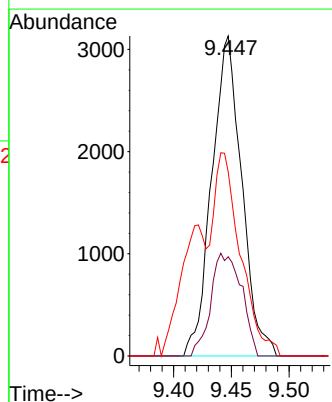
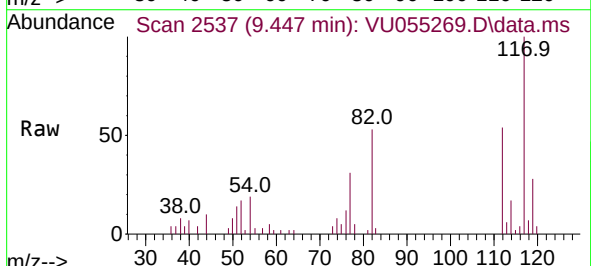
Tgt Ion:112 Resp: 5655

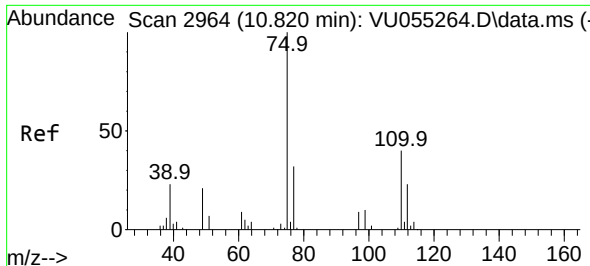
Ion Ratio Lower Upper

112 100

114 31.0 21.7 40.3

77 57.5 48.6 72.8

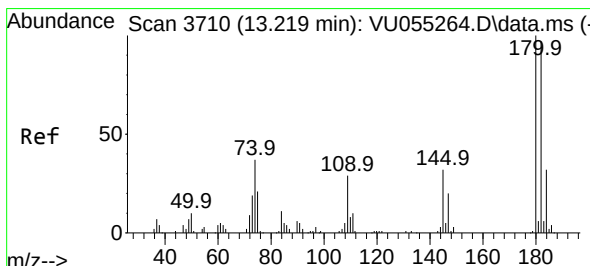
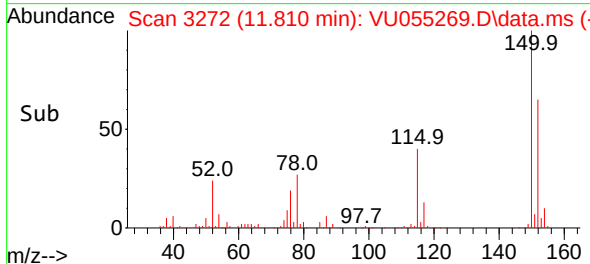
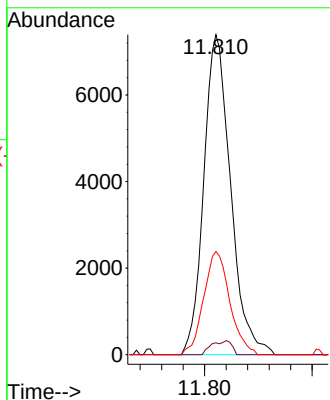
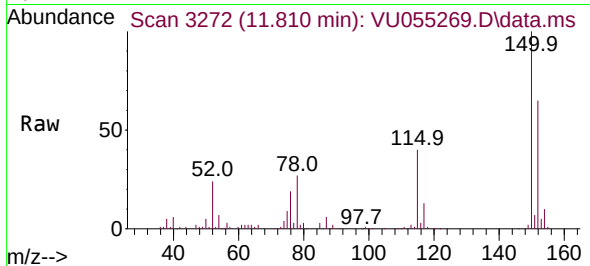




#61
 1,2,3-Trichloropropane
 Concen: 2.170 ug/L
 RT: 11.810 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU055269.D
 Acq: 13 Sep 2023 03:50

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion: 75 Resp: 12783
 Ion Ratio Lower Upper
 75 100
 110 3.3 28.2 42.2#
 77 31.5 26.2 39.4



#69
 1,3,5-Trichlorobenzene
 Concen: 0.247 ug/L
 RT: 13.846 min Scan# 3905
 Delta R.T. 0.627 min
 Lab File: VU055269.D
 Acq: 13 Sep 2023 03:50

Tgt Ion:180 Resp: 3705
 Ion Ratio Lower Upper
 180 100
 182 91.8 75.8 113.6
 184 23.0 24.0 36.0#
 145 30.0 26.3 39.5

