

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120822\
 Data File : VU052283.D
 Acq On : 09 Dec 2022 05:28
 Operator : JC/MD
 Sample : N5960-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COL25

Quant Time: Dec 09 05:51:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 08 04:19:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	203757	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	213429	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	93847	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	83623	4.219	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.400%
7) Chloroethane-d5	1.916	69	62604	4.067	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.400%
11) 1,1-Dichloroethene-d2	2.568	65	29595	4.166	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.400%
20) 2-Butanone-d5	4.645	46	279705	77.857	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	155.720%#
24) Chloroform-d	5.060	84	137310	4.715	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
26) 1,2-Dichloroethane-d4	5.700	65	75661	5.144	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.800%
32) Benzene-d6	5.729	84	281045	4.435	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.800%
36) 1,2-Dichloropropane-d6	6.693	67	98696	5.033	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.600%
41) Toluene-d8	7.896	98	224838	3.922	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.400%
43) trans-1,3-Dichloroprop...	8.179	79	30878	4.321	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.400%
46) 2-Hexanone-d5	8.632	63	183644	60.642	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	121.280%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	97291	5.722	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.400%
66) 1,2-Dichlorobenzene-d4	12.188	152	89749	4.995	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	53174	2.306	ug/L	98
5) Vinyl chloride	1.607	62	2005172	90.489	ug/L	97
8) Chloroethane	1.938	64	10850	0.787	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	2667	0.179	ug/L #	69
12) 1,1-Dichloroethene	2.584	96	264763	17.912	ug/L #	71
18) trans-1,2-Dichloroethene	3.353	96	282718	17.843	ug/L	97
19) 1,1-Dichloroethane	3.870	63	15140	0.530	ug/L	99
22) cis-1,2-Dichloroethene	4.665	96	14244142	856.593	ug/L	96
29) 1,1,1-Trichloroethane	5.317	97	70076	2.959	ug/L	100
31) Carbon tetrachloride	5.321	117	9198	0.457	ug/L	95
33) Benzene	5.777	78	5933	0.085	ug/L	100
35) Methylcyclohexane	6.571	83	937289	37.609	ug/L #	1
37) 1,2-Dichloropropane	6.697	63	9421	0.524	ug/L #	91
38) Bromodichloromethane	7.108	83	1110	0.051	ug/L #	89
39) cis-1,3-Dichloropropene	7.565	75	2190	0.095	ug/L #	45
42) Toluene	7.967	91	187129	2.619	ug/L	97
47) Tetrachloroethene	8.552	164	5723	0.431	ug/L	94
53) m,p-Xylene	9.687	106	3232	0.120	ug/L	82
61) 1,2,3-Trichloropropane	11.809	75	11517	1.072	ug/L #	68

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Instrument :
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C0L25

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Dec 08 04:19:43 2022
Response via : Initial Calibration

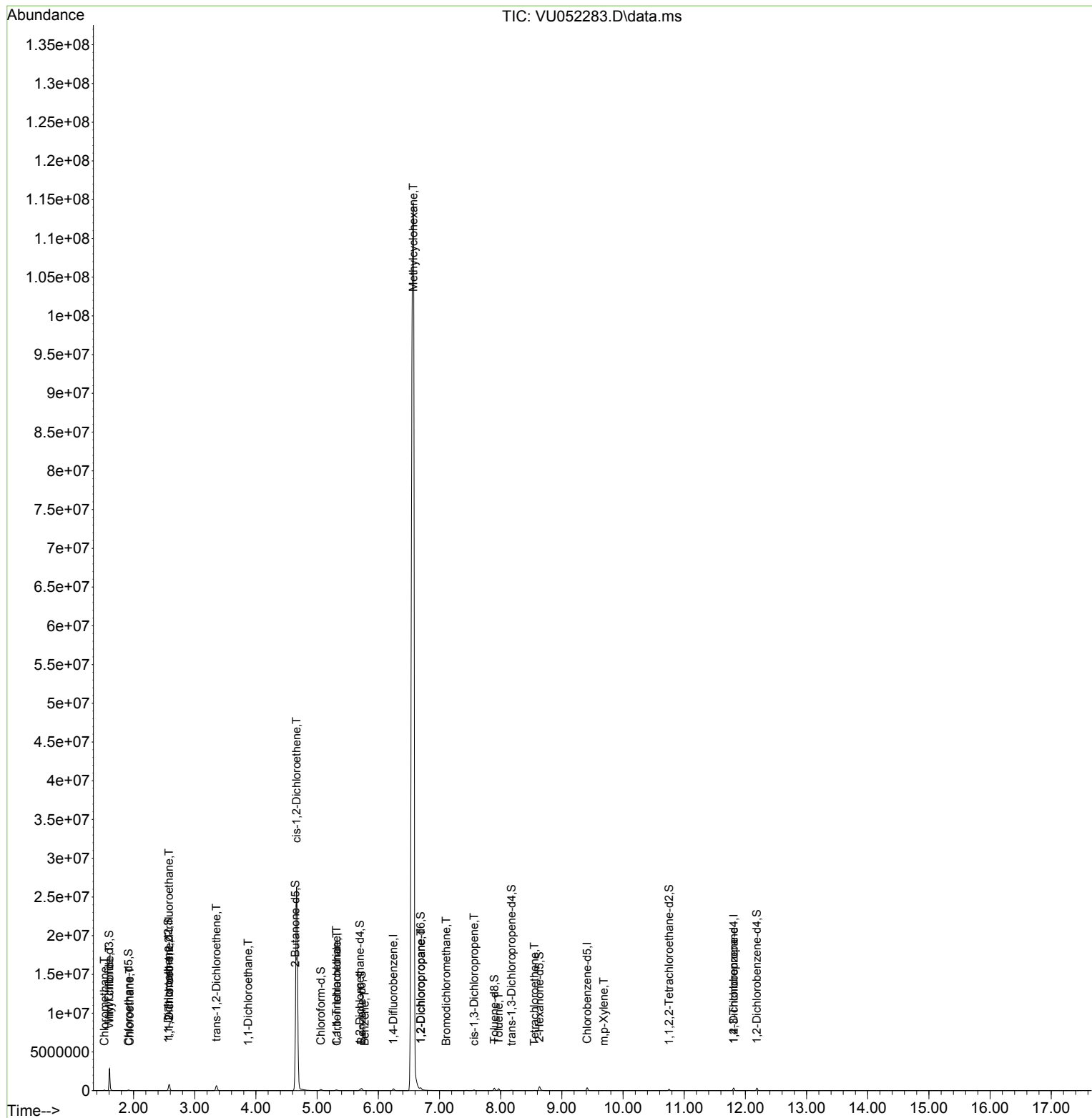
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

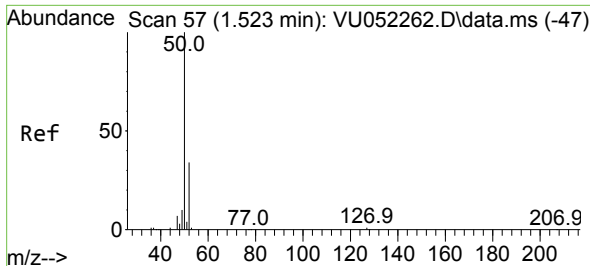
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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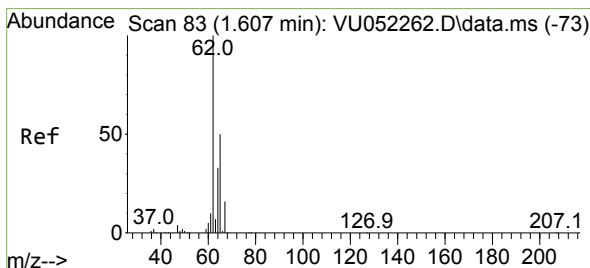
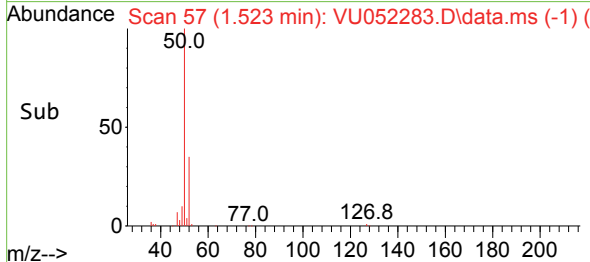
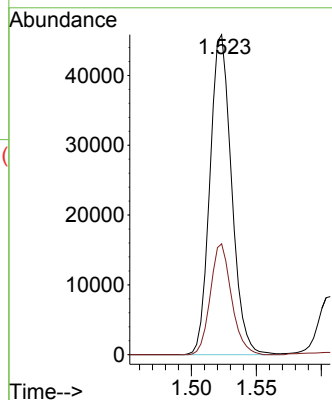
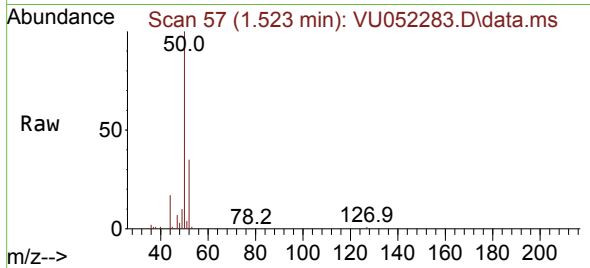




#3
Chloromethane
Concen: 2.306 ug/L
RT: 1.523 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU052283.D
Acq: 09 Dec 2022 05:28

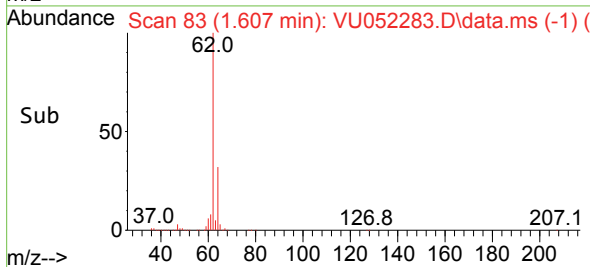
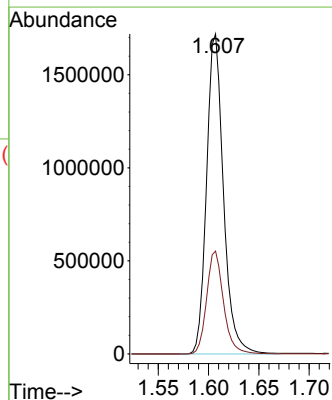
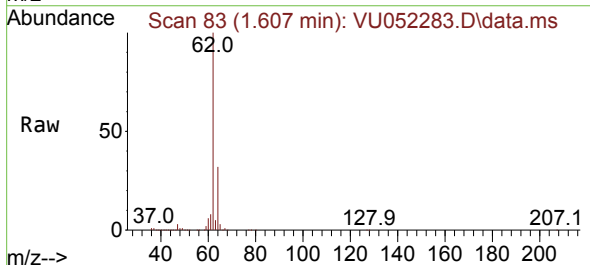
Instrument :
MSVOA_U
ClientSampleId :
COL25

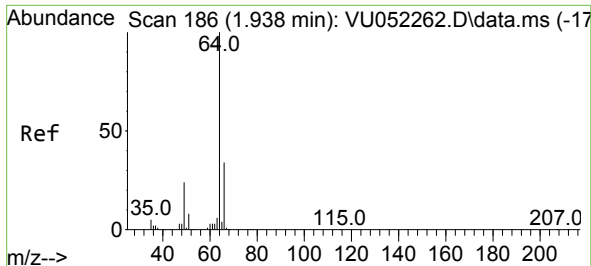
Tgt Ion: 50 Resp: 53174
Ion Ratio Lower Upper
50 100
52 34.7 23.4 43.4



#5
Vinyl chloride
Concen: 90.489 ug/L
RT: 1.607 min Scan# 83
Delta R.T. 0.003 min
Lab File: VU052283.D
Acq: 09 Dec 2022 05:28

Tgt Ion: 62 Resp: 2005172
Ion Ratio Lower Upper
62 100
64 32.2 23.5 43.7

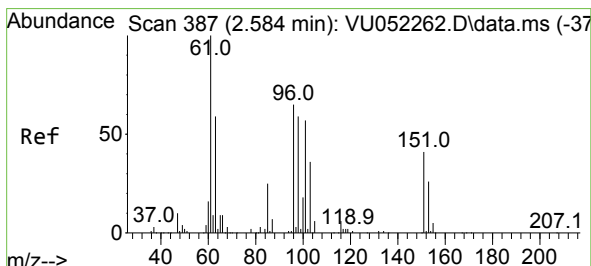
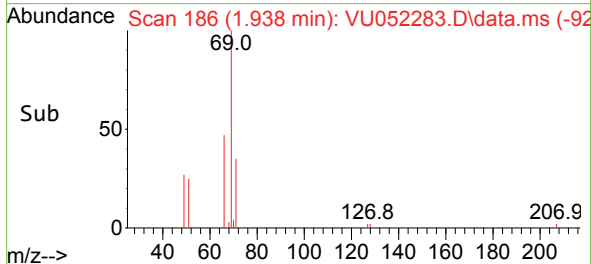
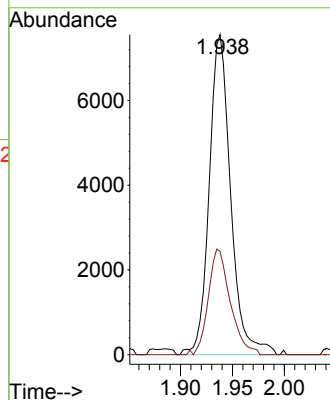
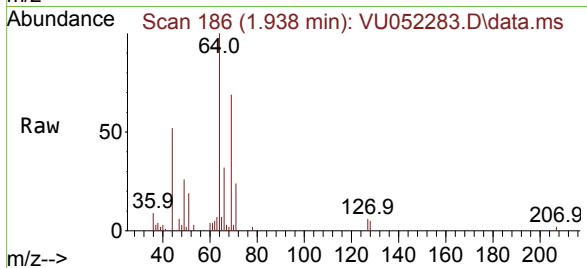




#8
Chloroethane
Concen: 0.787 ug/L
RT: 1.938 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU052283.D
Acq: 09 Dec 2022 05:28

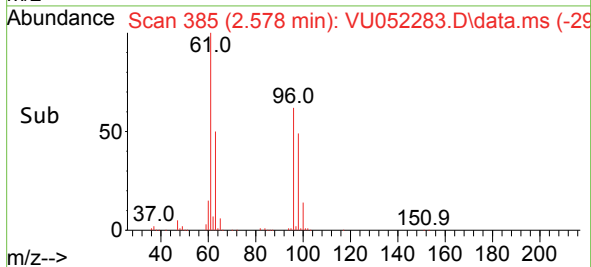
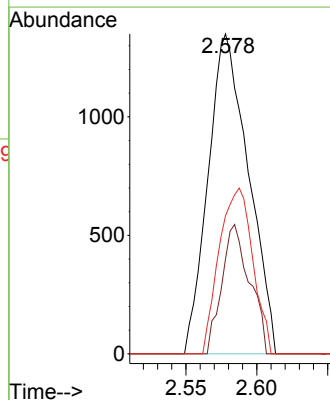
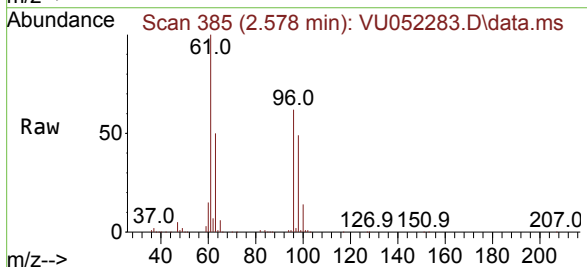
Instrument :
MSVOA_U
ClientSampleId :
COL25

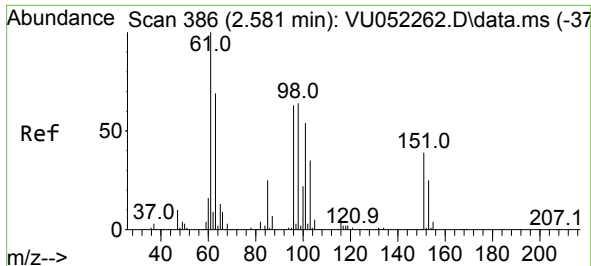
Tgt Ion: 64 Resp: 10850
Ion Ratio Lower Upper
64 100
66 32.3 21.1 39.1



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.179 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.003 min
Lab File: VU052283.D
Acq: 09 Dec 2022 05:28

Tgt Ion: 101 Resp: 2667
Ion Ratio Lower Upper
101 100
85 28.0 33.8 50.6#
151 43.2 58.6 88.0#

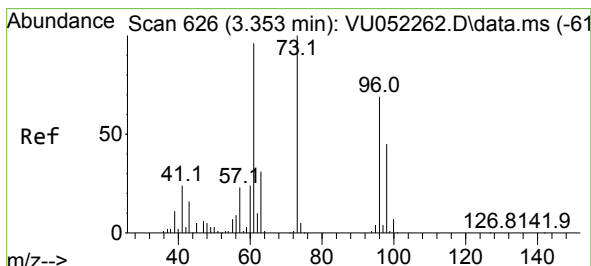
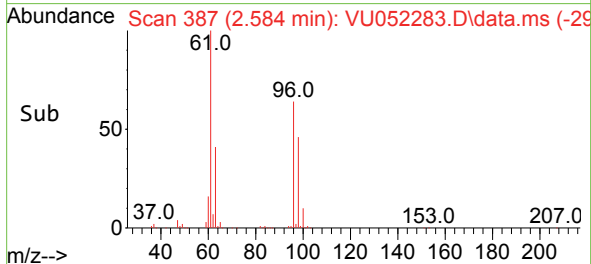
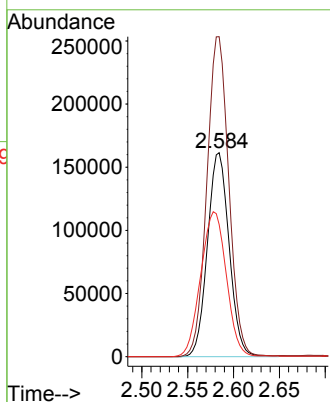
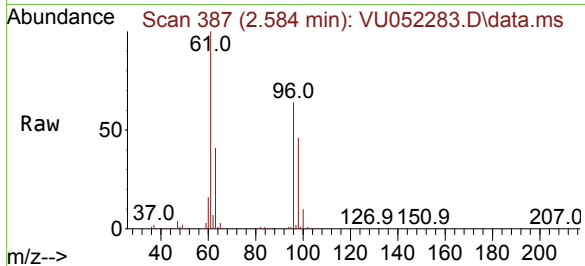




#12
1,1-Dichloroethene
Concen: 17.912 ug/L
RT: 2.584 min Scan# 386
Delta R.T. 0.003 min
Lab File: VU052283.D
Acq: 09 Dec 2022 05:28

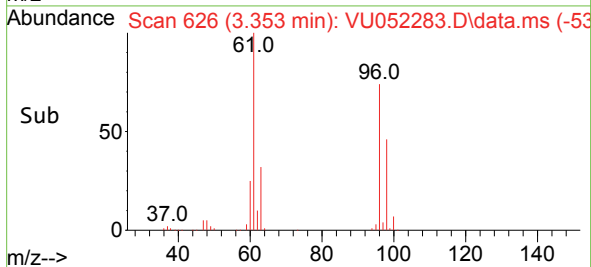
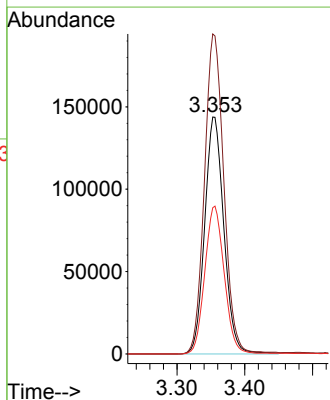
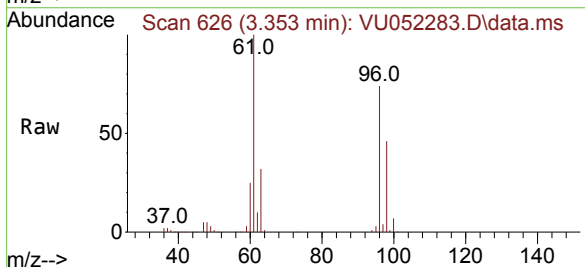
Instrument :
MSVOA_U
ClientSampleId :
COL25

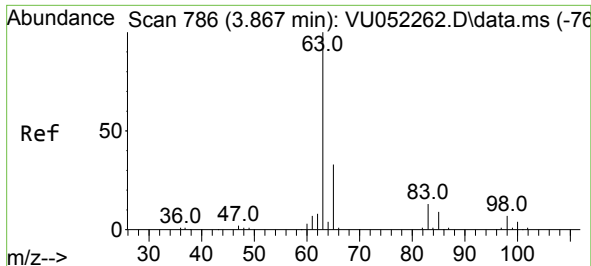
Tgt Ion: 96 Resp: 264763
Ion Ratio Lower Upper
96 100
61 156.9 114.8 213.2
63 64.8 93.7 174.1#



#18
trans-1,2-Dichloroethene
Concen: 17.843 ug/L
RT: 3.353 min Scan# 626
Delta R.T. -0.000 min
Lab File: VU052283.D
Acq: 09 Dec 2022 05:28

Tgt Ion: 96 Resp: 282718
Ion Ratio Lower Upper
96 100
61 135.1 97.9 181.7
98 61.8 43.8 81.3





#19

1,1-Dichloroethane

Concen: 0.530 ug/L

RT: 3.870 min Scan# 786

Delta R.T. 0.003 min

Lab File: VU052283.D

Acq: 09 Dec 2022 05:28

Instrument :

MSVOA_U

ClientSampleId :

COL25

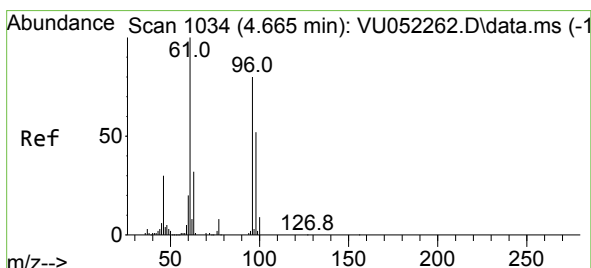
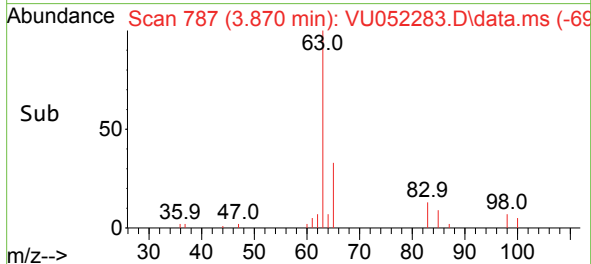
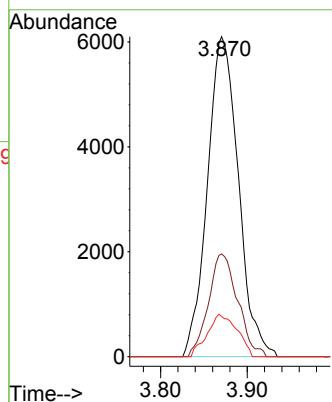
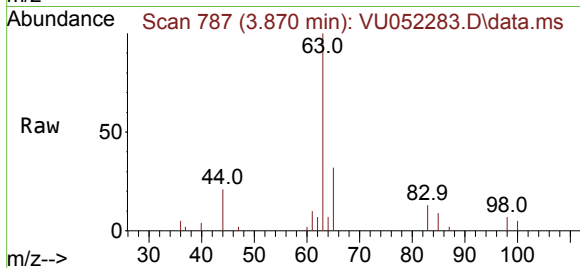
Tgt Ion: 63 Resp: 15140

Ion Ratio Lower Upper

63 100

65 32.1 22.2 41.2

83 12.6 9.2 17.0



#22

cis-1,2-Dichloroethene

Concen: 856.593 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.000 min

Lab File: VU052283.D

Acq: 09 Dec 2022 05:28

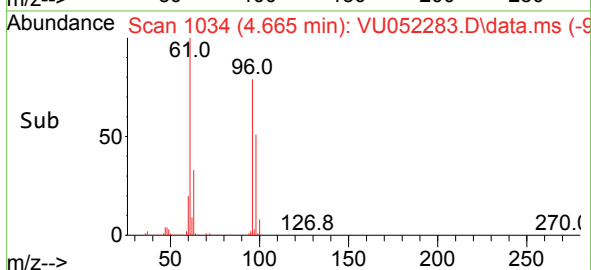
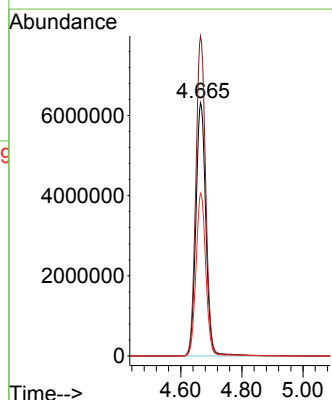
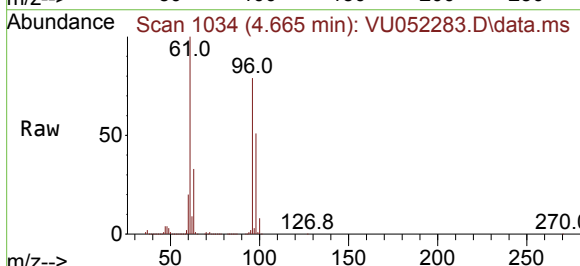
Tgt Ion: 96 Resp:14244142

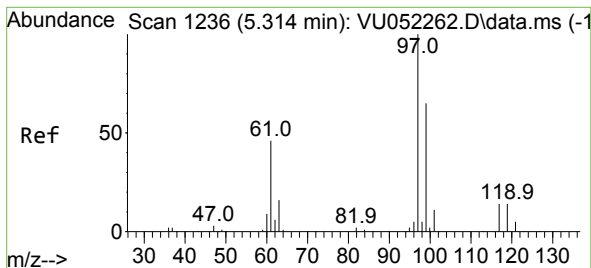
Ion Ratio Lower Upper

96 100

61 126.4 85.1 158.1

98 64.3 42.8 79.6





#29

1,1,1-Trichloroethane

Concen: 2.959 ug/L

RT: 5.317 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU052283.D

Acq: 09 Dec 2022 05:28

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C0L25

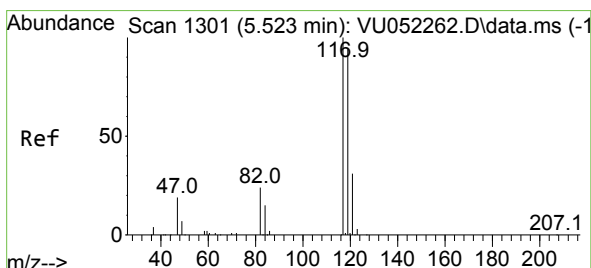
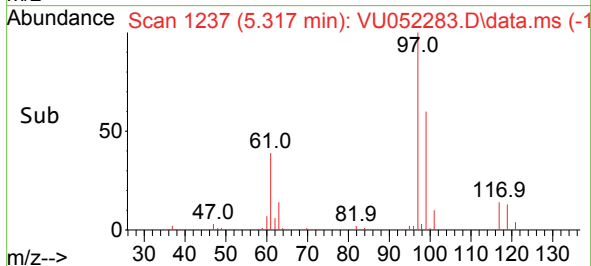
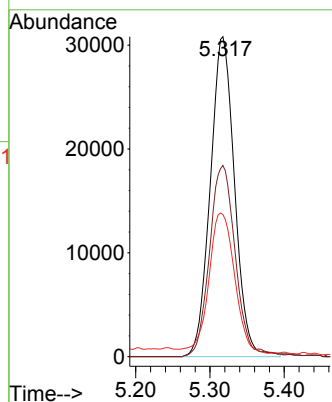
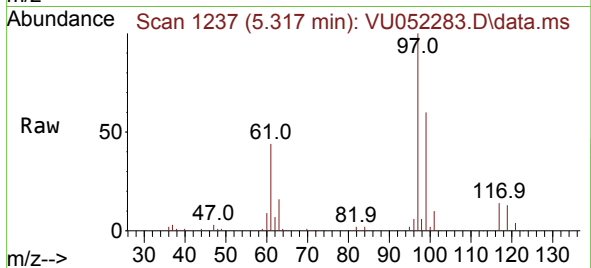
Tgt Ion: 97 Resp: 70076

Ion Ratio Lower Upper

97 100

99 63.7 51.0 76.6

61 46.5 36.9 55.3



#31

Carbon tetrachloride

Concen: 0.457 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.203 min

Lab File: VU052283.D

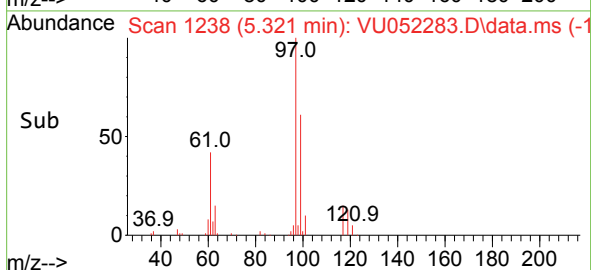
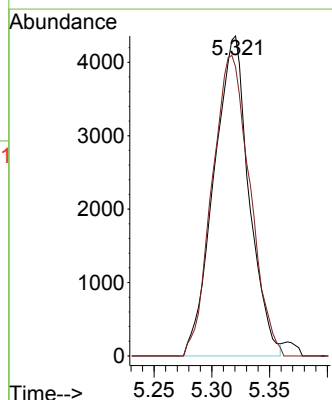
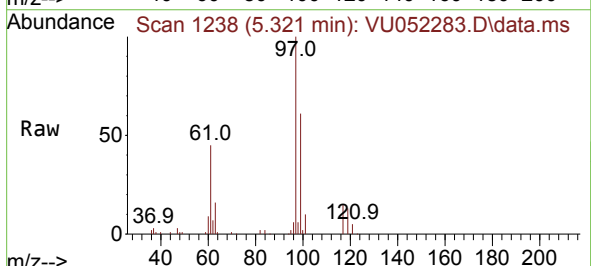
Acq: 09 Dec 2022 05:28

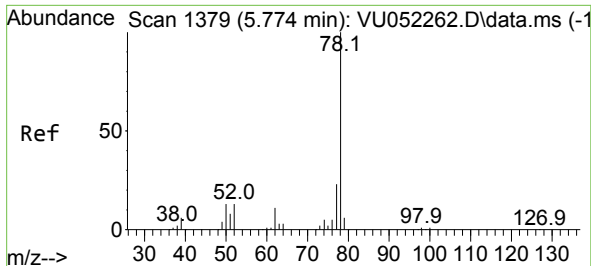
Tgt Ion: 117 Resp: 9198

Ion Ratio Lower Upper

117 100

119 101.2 77.2 115.8

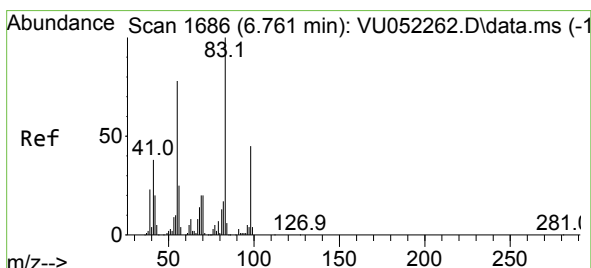
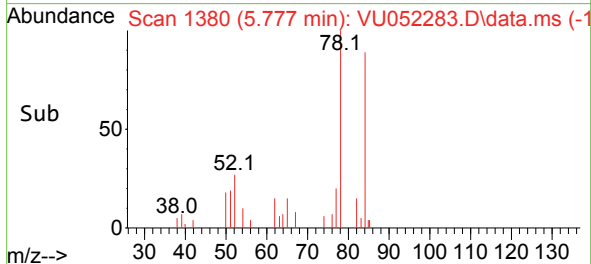
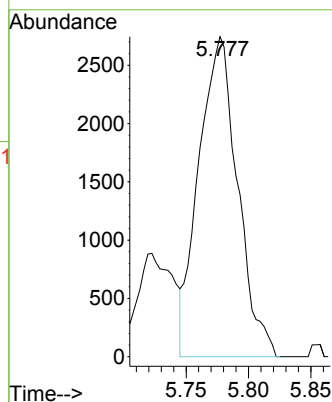
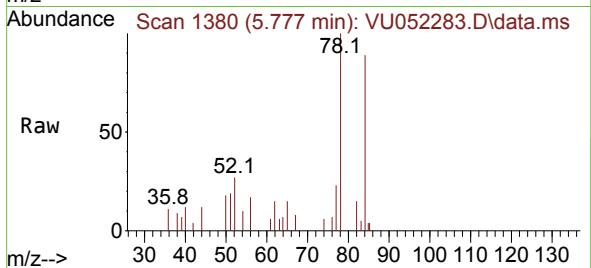




#33
Benzene
Concen: 0.085 ug/L
RT: 5.777 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU052283.D
Acq: 09 Dec 2022 05:28

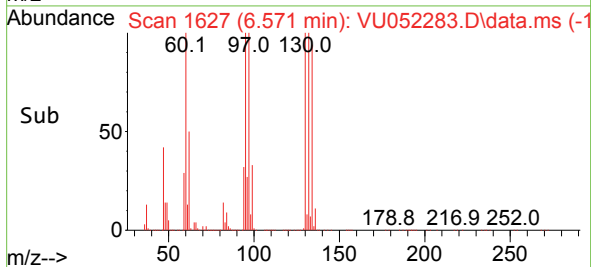
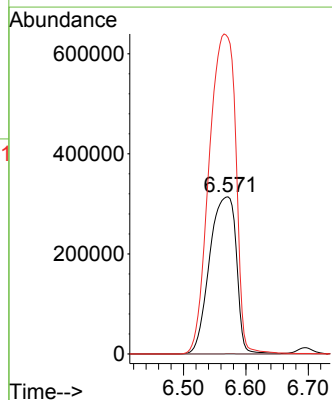
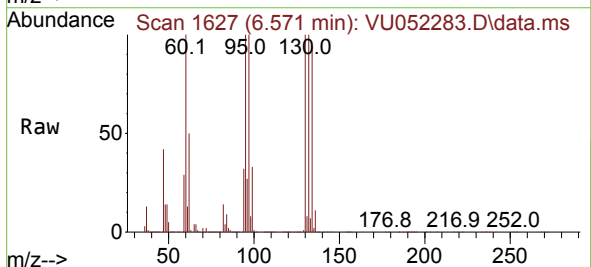
Instrument :
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ClientSampleId :
COL25

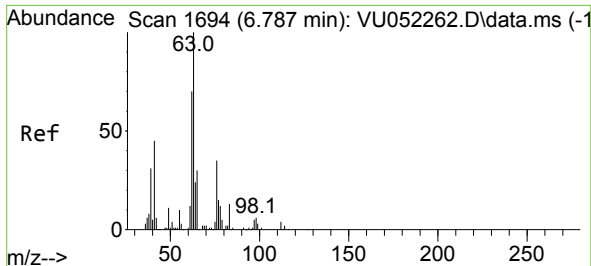
Tgt Ion: 78 Resp: 5933



#35
Methylcyclohexane
Concen: 37.609 ug/L
RT: 6.571 min Scan# 1627
Delta R.T. -0.190 min
Lab File: VU052283.D
Acq: 09 Dec 2022 05:28

Tgt Ion: 83 Resp: 937289
Ion Ratio Lower Upper
83 100
55 0.0 60.8 91.2#
98 203.4 35.1 52.7#





#37

1,2-Dichloropropane

Concen: 0.524 ug/L

RT: 6.697 min Scan# 1

Delta R.T. -0.093 min

Lab File: VU052283.D

Acq: 09 Dec 2022 05:28

Instrument :

MSVOA_U

ClientSampleId :

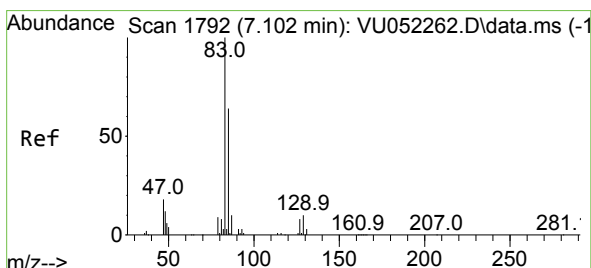
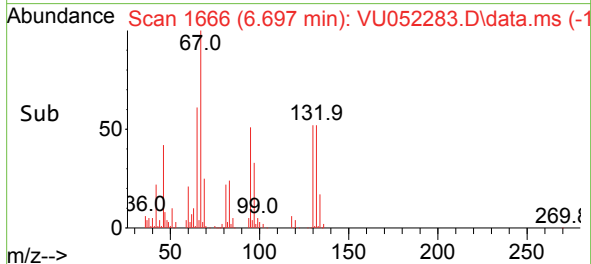
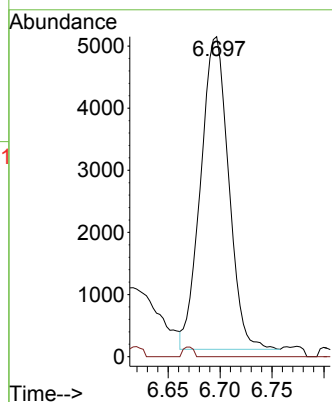
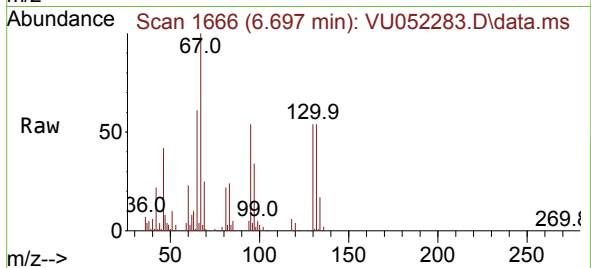
C0L25

Tgt Ion: 63 Resp: 9421

Ion Ratio Lower Upper

63 100

112 1.1 3.3 4.9#



#38

Bromodichloromethane

Concen: 0.051 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.006 min

Lab File: VU052283.D

Acq: 09 Dec 2022 05:28

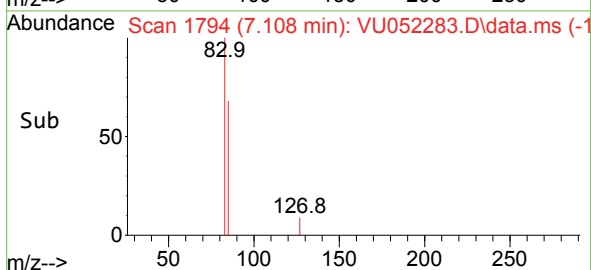
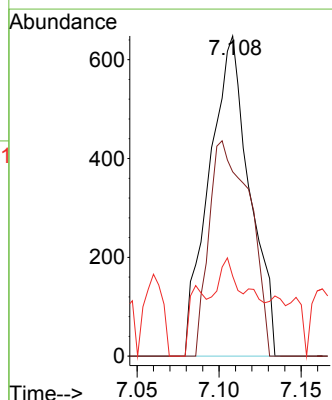
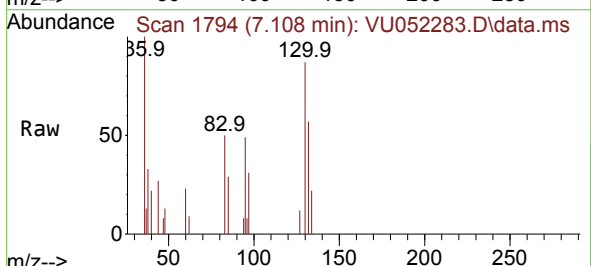
Tgt Ion: 83 Resp: 1110

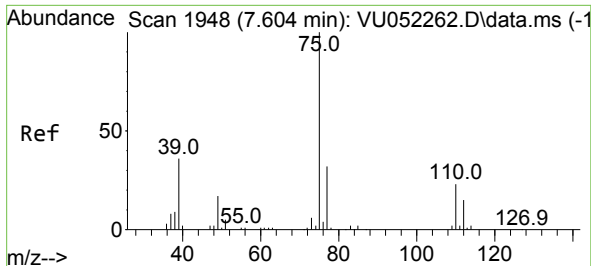
Ion Ratio Lower Upper

83 100

85 57.6 43.5 80.9

127 25.0 6.8 10.2#





#39

cis-1,3-Dichloropropene

Concen: 0.095 ug/L

RT: 7.565 min Scan# 1948

Delta R.T. -0.039 min

Lab File: VU052283.D

Acq: 09 Dec 2022 05:28

Instrument :

MSVOA_U

ClientSampleId :

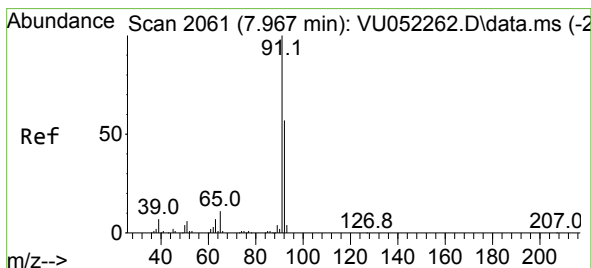
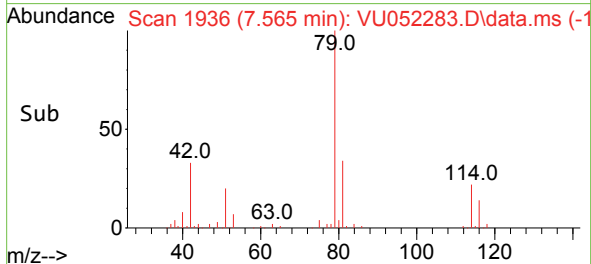
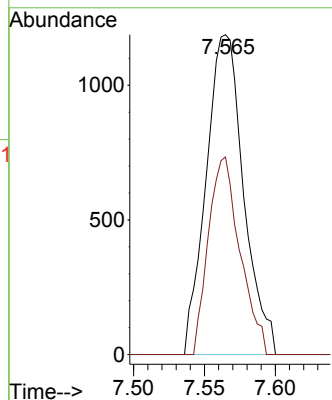
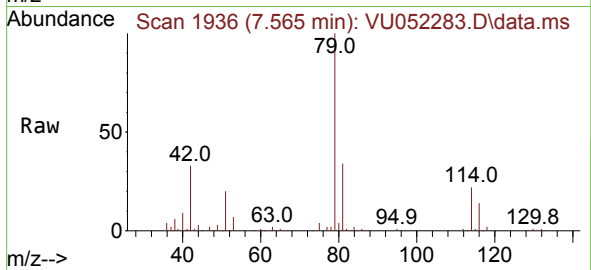
C0L25

Tgt Ion: 75 Resp: 2190

Ion Ratio Lower Upper

75 100

77 61.8 22.0 40.8#



#42

Toluene

Concen: 2.619 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU052283.D

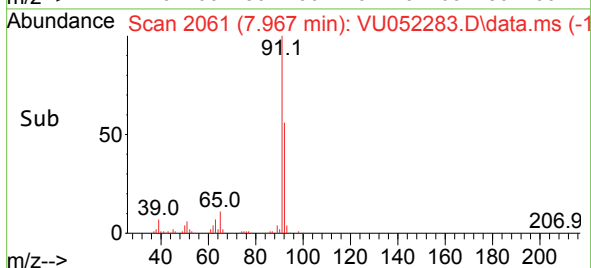
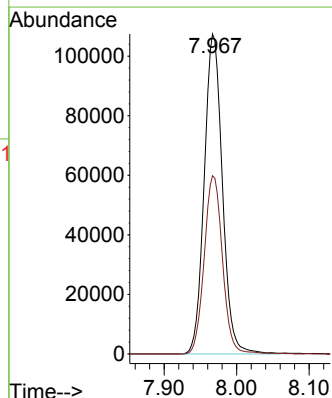
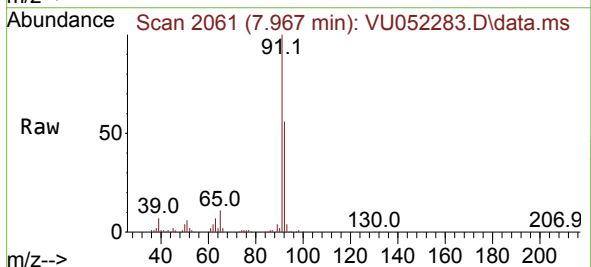
Acq: 09 Dec 2022 05:28

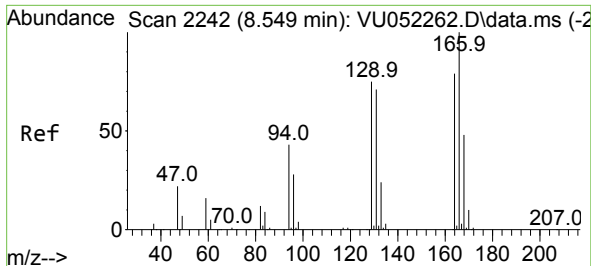
Tgt Ion: 91 Resp: 187129

Ion Ratio Lower Upper

91 100

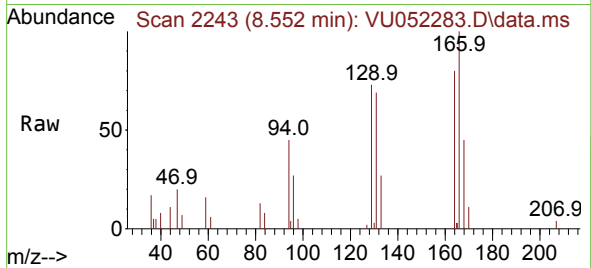
92 55.7 40.7 75.5



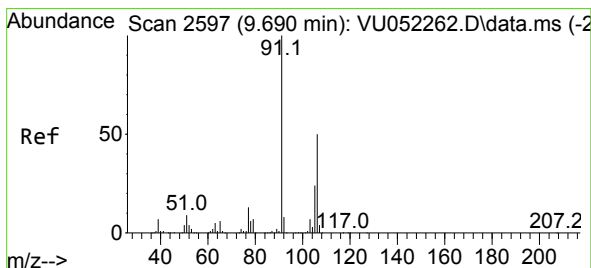
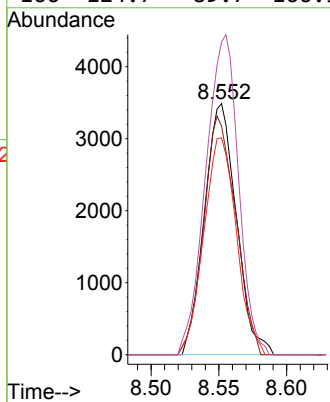
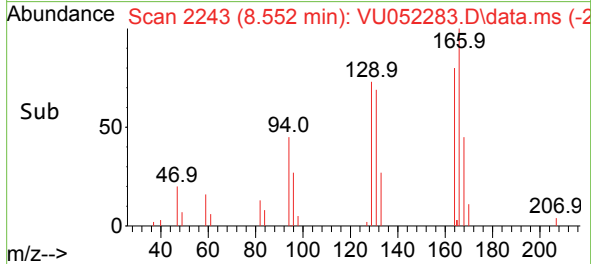


#47
Tetrachloroethene
Concen: 0.431 ug/L
RT: 8.552 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU052283.D
Acq: 09 Dec 2022 05:28

Instrument :
MSVOA_U
ClientSampleId :
COL25

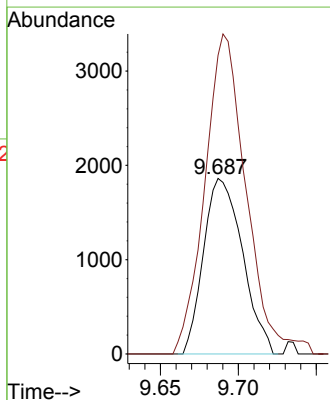
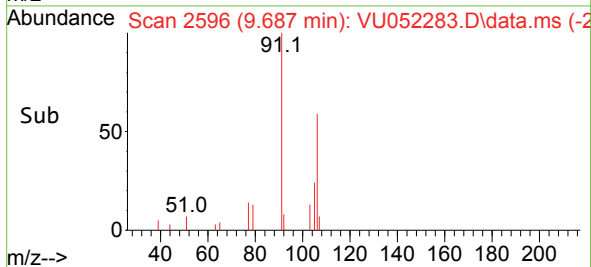
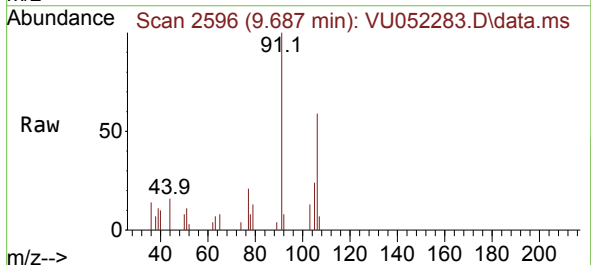


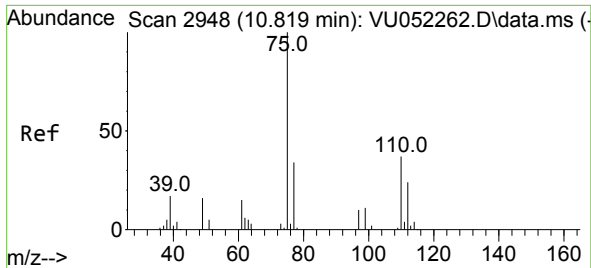
Tgt Ion:164 Resp: 5723
Ion Ratio Lower Upper
164 100
129 91.1 67.4 125.2
131 86.4 67.1 124.7
166 124.7 89.7 166.5



#53
m,p-Xylene
Concen: 0.120 ug/L
RT: 9.687 min Scan# 2596
Delta R.T. -0.007 min
Lab File: VU052283.D
Acq: 09 Dec 2022 05:28

Tgt Ion:106 Resp: 3232
Ion Ratio Lower Upper
106 100
91 170.1 137.7 255.7





#61
 1,2,3-Trichloropropane
 Concen: 1.072 ug/L
 RT: 11.809 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU052283.D
 Acq: 09 Dec 2022 05:28

Instrument :
 MSVOA_U
 ClientSampleId :
 COL25

Tgt Ion:	75	Resp:	11517
Ion	Ratio	Lower	Upper
75	100		
110	1.9	28.3	42.5#
77	30.7	26.2	39.2

