

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U042823\
 Data File : VU053960.D
 Acq On : 28 Apr 2023 01:18
 Operator : JC/MD
 Sample : 02525-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 HOA40

Quant Time: Apr 28 07:22:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Apr 27 05:52:18 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	156580	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	145687	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	74854	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	33650	3.528	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.600%
7) Chloroethane-d5	1.916	69	31485	3.933	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.600%
11) 1,1-Dichloroethene-d2	2.565	65	15888	4.048	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.000%
20) 2-Butanone-d5	4.636	46	93034	53.259	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.520%
24) Chloroform-d	5.060	84	93152	5.183	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.600%
26) 1,2-Dichloroethane-d4	5.700	65	39406	4.745	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.800%
32) Benzene-d6	5.722	84	156208	4.551	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.000%
36) 1,2-Dichloropropane-d6	6.687	67	49022	4.721	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.400%
41) Toluene-d8	7.896	98	138370	4.320	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.400%
43) trans-1,3-Dichloroprop...	8.179	79	18490	4.528	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.600%
46) 2-Hexanone-d5	8.632	63	78439	54.279	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.560%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	41279	4.920	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.400%
66) 1,2-Dichlorobenzene-d4	12.188	152	54976	4.579	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.600%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	6561	0.588	ug/L #	41
12) 1,1-Dichloroethene	2.578	96	2099187	213.143	ug/L #	76
16) Methylene chloride	3.047	84	6290	0.468	ug/L	97
18) trans-1,2-Dichloroethene	3.353	96	1462	0.147	ug/L	95
19) 1,1-Dichloroethane	3.867	63	127323	7.069	ug/L	98
22) cis-1,2-Dichloroethene	4.661	96	102206	9.103	ug/L	95
25) Chloroform	5.083	83	317149	16.214	ug/L	100
27) 1,2-Dichloroethane	5.790	62	3663	0.327	ug/L #	92
29) 1,1,1-Trichloroethane	5.314	97	626390	38.247	ug/L	98
31) Carbon tetrachloride	5.520	117	15385	1.081	ug/L	94
33) Benzene	5.771	78	42037	1.024	ug/L	100
34) Trichloroethene	6.539	95	6450369	576.423	ug/L	98
35) Methylcyclohexane	6.687	83	11713	0.678	ug/L #	28
37) 1,2-Dichloropropane	6.684	63	5500	0.540	ug/L #	87
45) 1,1,2-Trichloroethane	8.574	97	297872	39.007	ug/L #	48
48) 2-Hexanone	8.632	43	8227	2.355	ug/L #	70
54) o-Xylene	10.098	106	2567	0.145	ug/L	87
61) 1,2,3-Trichloropropane	11.738	75	11346	1.966	ug/L #	47
64) 1,3-Dichlorobenzene	11.741	146	39492	1.756	ug/L	97

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Apr 27 05:52:18 2023
Response via : Initial Calibration

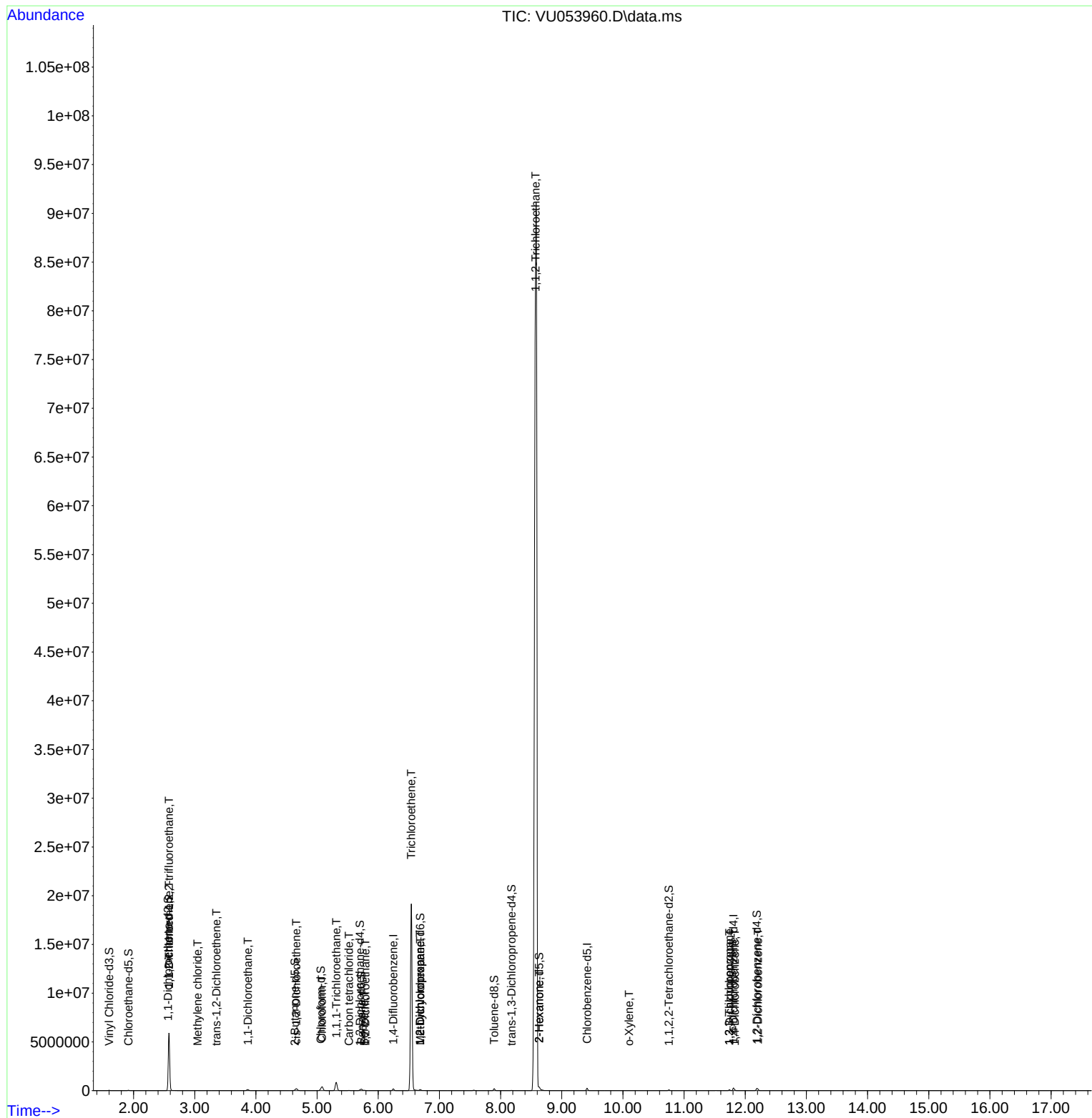
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	11.832	146	21895	0.963	ug/L	95
67) 1,2-Dichlorobenzene	12.208	146	55550	2.674	ug/L	98

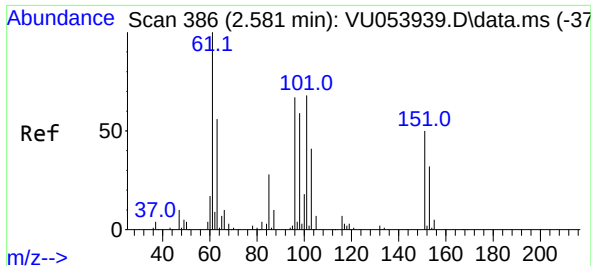
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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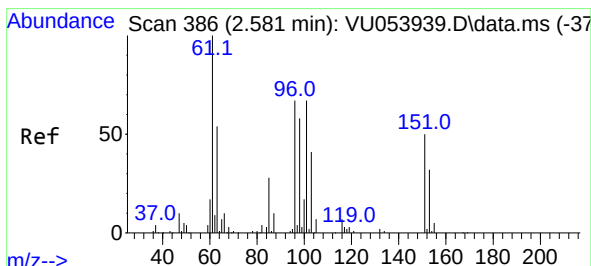
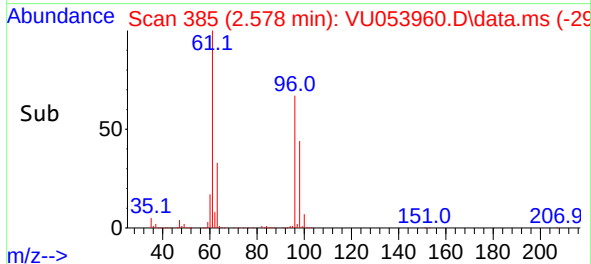
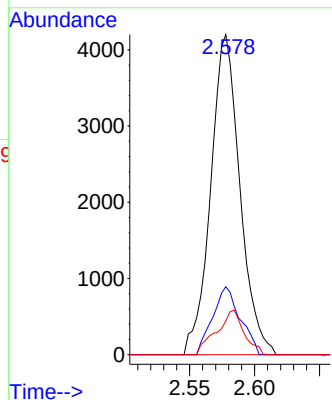
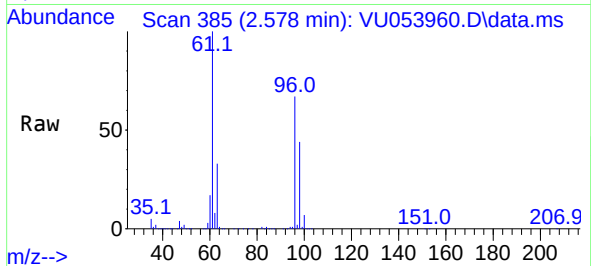




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.588 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.003 min
Lab File: VU053960.D
Acq: 28 Apr 2023 01:18

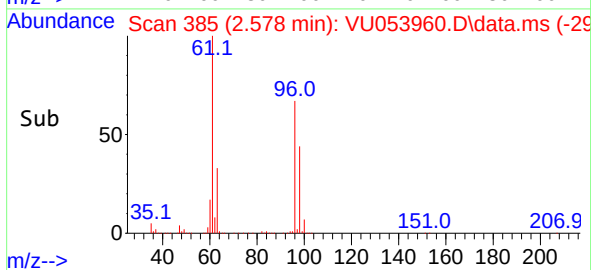
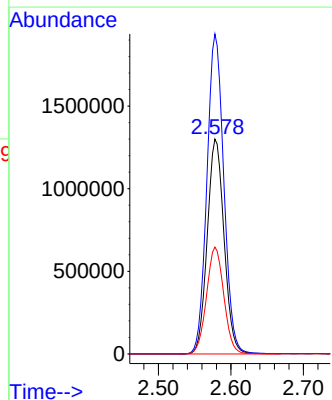
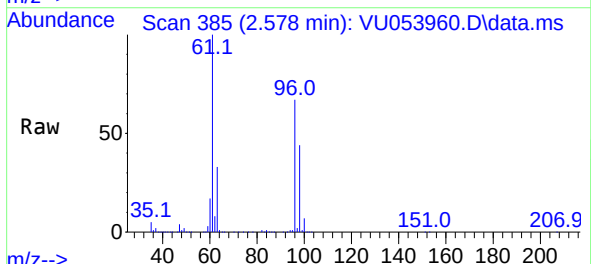
Instrument :
MSVOA_U
ClientSampleId :
HOA40

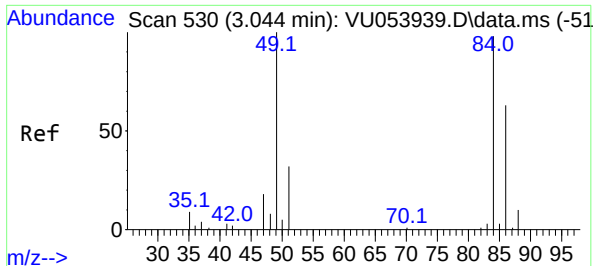
Tgt Ion:101 Resp: 6561
Ion Ratio Lower Upper
101 100
85 20.0 34.7 52.1#
151 13.0 59.1 88.7#



#12
1,1-Dichloroethene
Concen: 213.143 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU053960.D
Acq: 28 Apr 2023 01:18

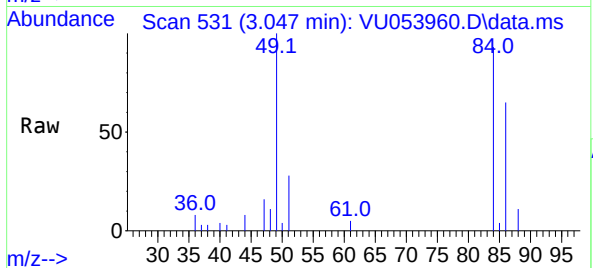
Tgt Ion: 96 Resp: 2099187
Ion Ratio Lower Upper
96 100
61 148.9 111.5 207.1
63 49.8 68.7 127.7#





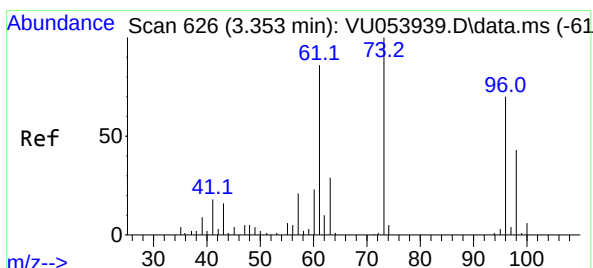
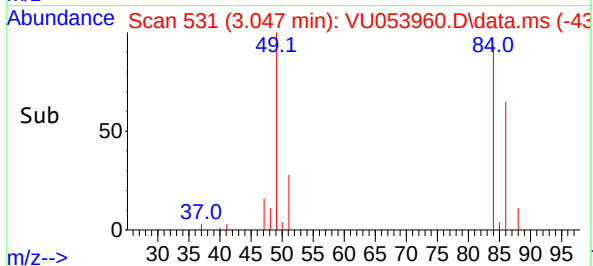
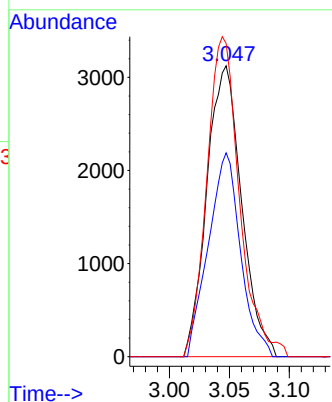
#16
Methylene chloride
Concen: 0.468 ug/L
RT: 3.047 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU053960.D
Acq: 28 Apr 2023 01:18

Instrument :
MSVOA_U
ClientSampleId :
HOA40



Tgt Ion: 84 Resp: 6290

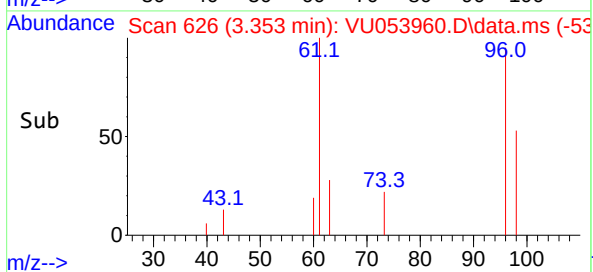
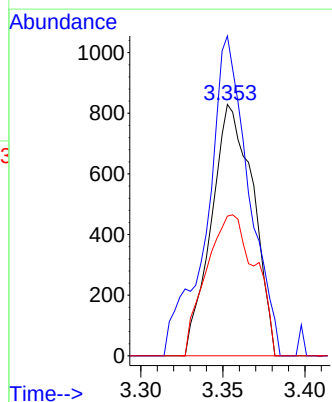
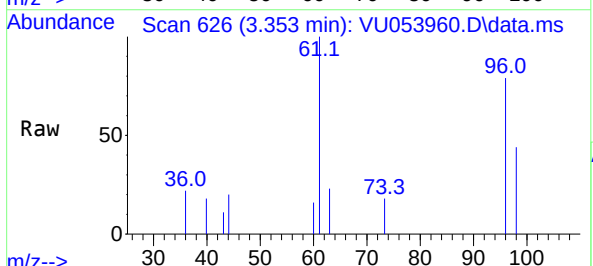
Ion	Ratio	Lower	Upper
84	100		
86	70.1	45.0	83.6
49	107.7	74.8	138.8

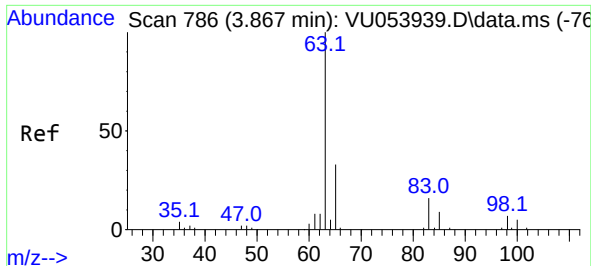


#18
trans-1,2-Dichloroethene
Concen: 0.147 ug/L
RT: 3.353 min Scan# 626
Delta R.T. -0.000 min
Lab File: VU053960.D
Acq: 28 Apr 2023 01:18

Tgt Ion: 96 Resp: 1462

Ion	Ratio	Lower	Upper
96	100		
61	127.3	86.2	160.0
98	55.6	42.8	79.4

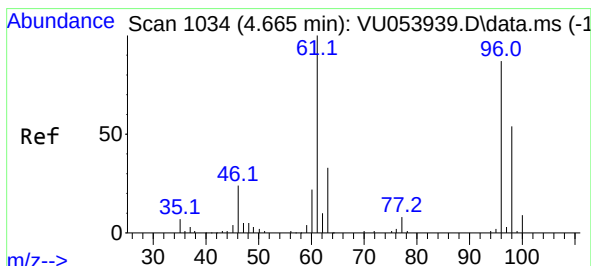
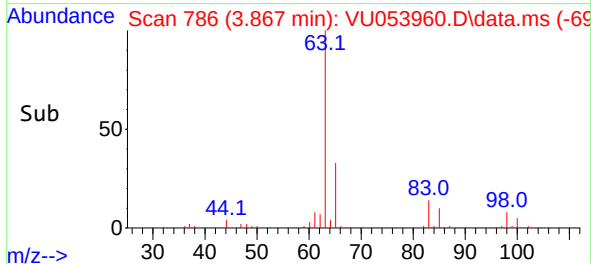
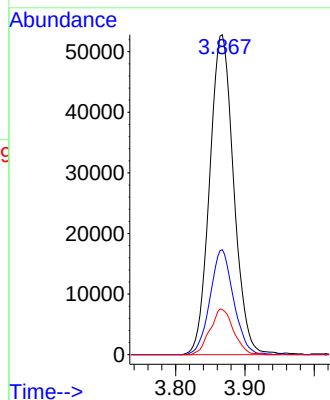
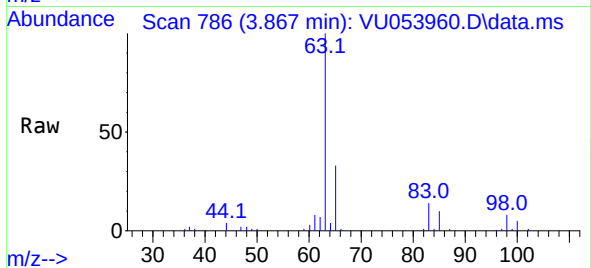




#19
1,1-Dichloroethane
Concen: 7.069 ug/L
RT: 3.867 min Scan# 71
Delta R.T. 0.003 min
Lab File: VU053960.D
Acq: 28 Apr 2023 01:18

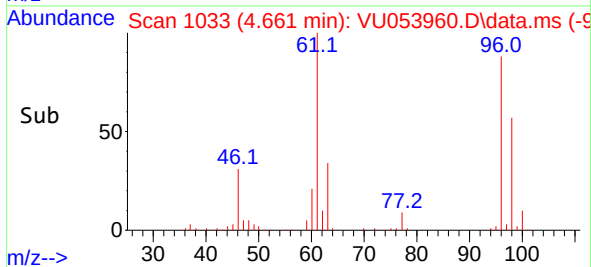
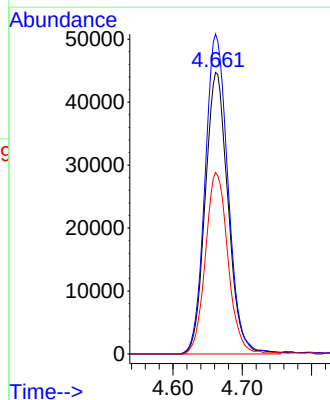
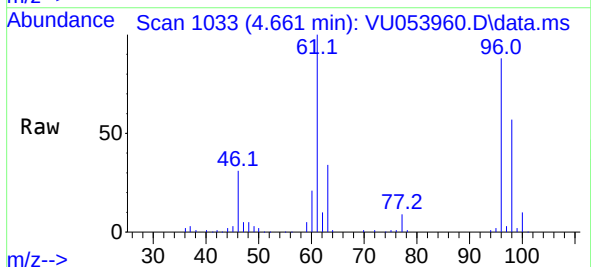
Instrument :
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ClientSampleId :
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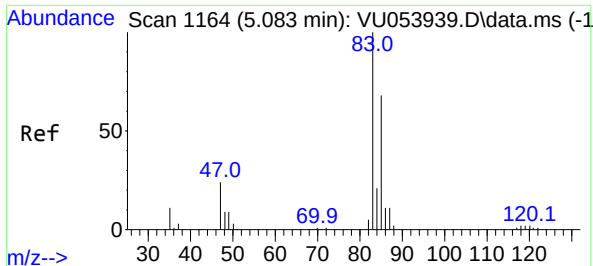
Tgt Ion: 63 Resp: 127323
Ion Ratio Lower Upper
63 100
65 32.8 22.0 40.8
83 14.1 10.3 19.1



#22
cis-1,2-Dichloroethene
Concen: 9.103 ug/L
RT: 4.661 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VU053960.D
Acq: 28 Apr 2023 01:18

Tgt Ion: 96 Resp: 102206
Ion Ratio Lower Upper
96 100
61 113.6 84.3 156.5
98 64.4 46.4 86.2





#25

Chloroform

Concen: 16.214 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.003 min

Lab File: VU053960.D

Acq: 28 Apr 2023 01:18

Instrument :

MSVOA_U

ClientSampleId :

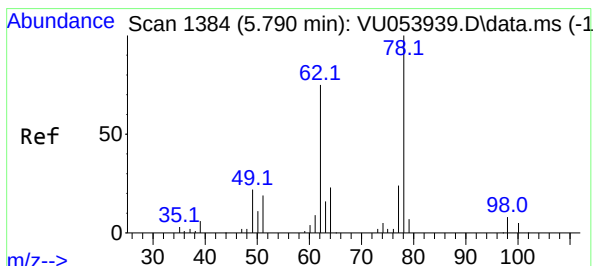
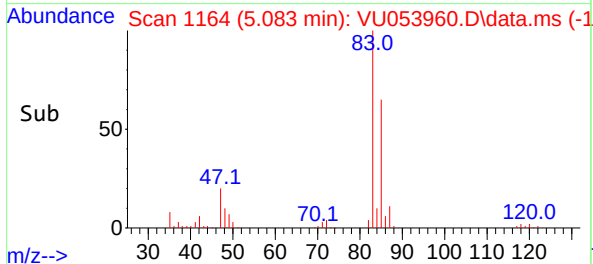
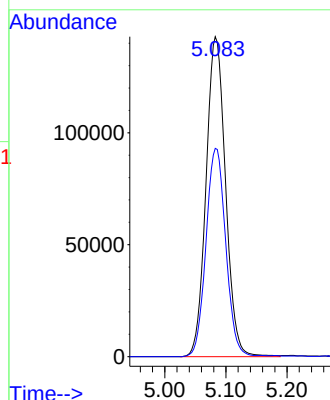
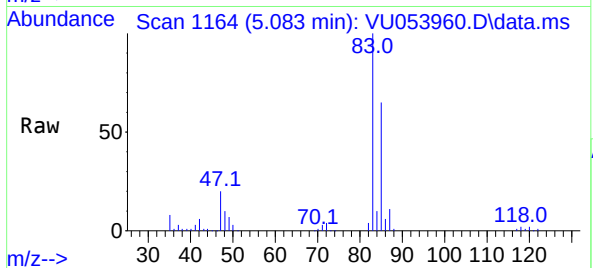
HOA40

Tgt Ion: 83 Resp: 317149

Ion Ratio Lower Upper

83 100

85 65.1 45.6 84.8



#27

1,2-Dichloroethane

Concen: 0.327 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VU053960.D

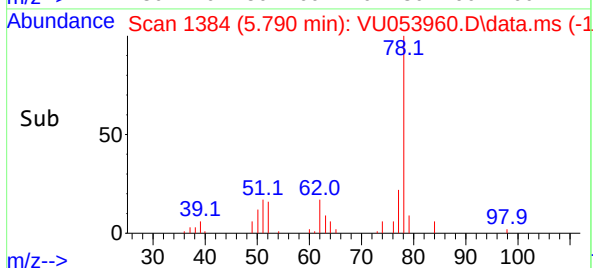
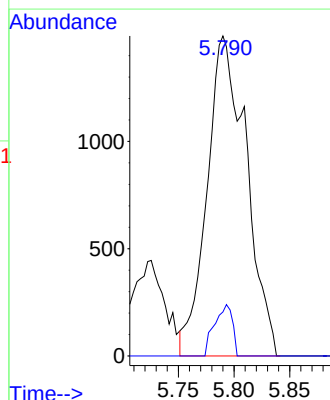
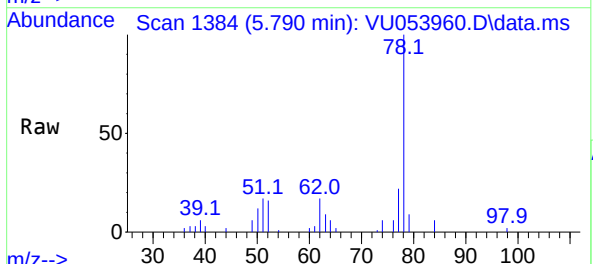
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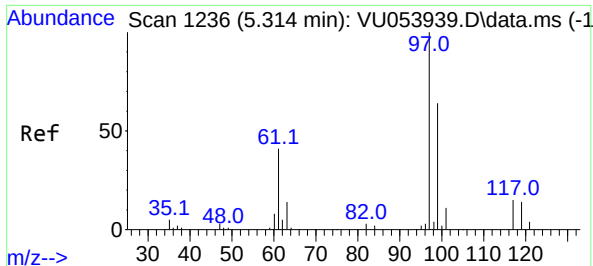
Tgt Ion: 62 Resp: 3663

Ion Ratio Lower Upper

62 100

98 13.7 8.7 13.1#

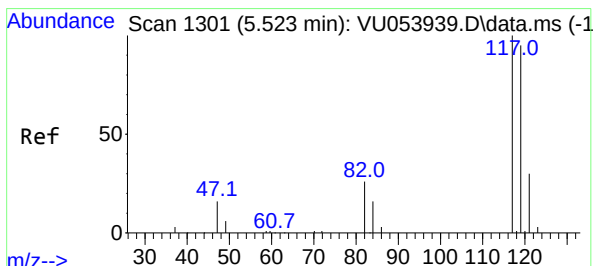
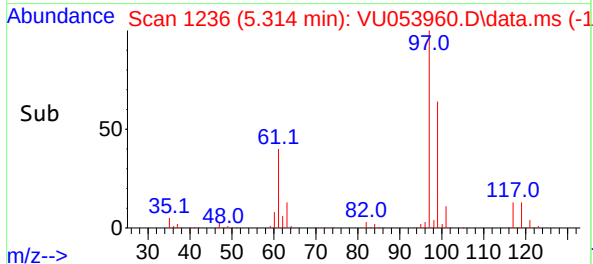
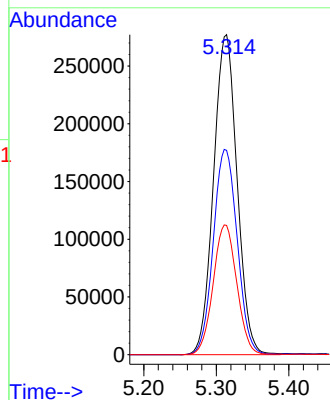
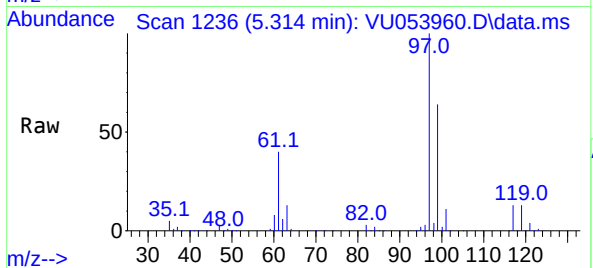




#29
1,1,1-Trichloroethane
Concen: 38.247 ug/L
RT: 5.314 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU053960.D
Acq: 28 Apr 2023 01:18

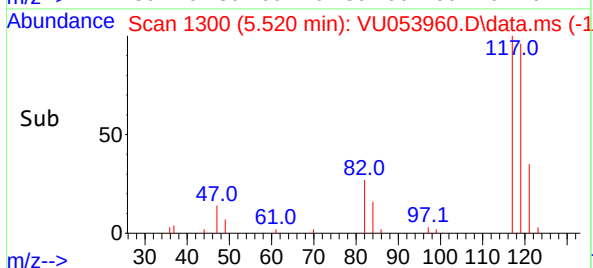
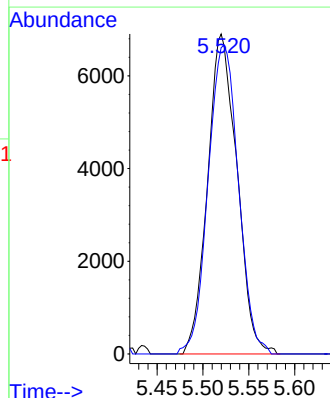
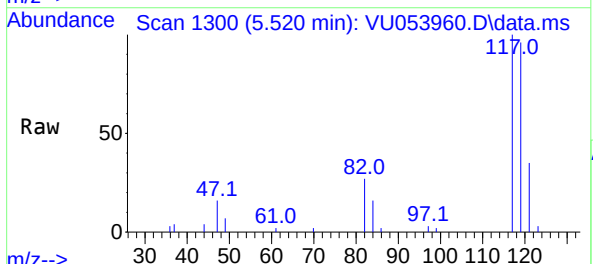
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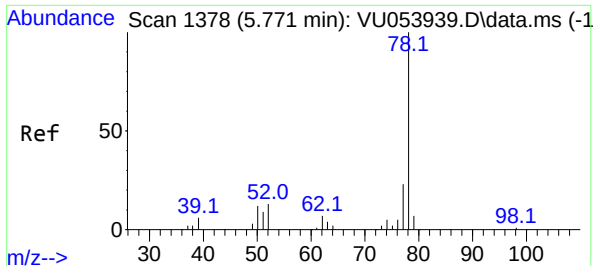
Tgt Ion: 97 Resp: 626390
Ion Ratio Lower Upper
97 100
99 65.2 52.9 79.3
61 40.8 33.8 50.8



#31
Carbon tetrachloride
Concen: 1.081 ug/L
RT: 5.520 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VU053960.D
Acq: 28 Apr 2023 01:18

Tgt Ion: 117 Resp: 15385
Ion Ratio Lower Upper
117 100
119 99.3 75.0 112.6

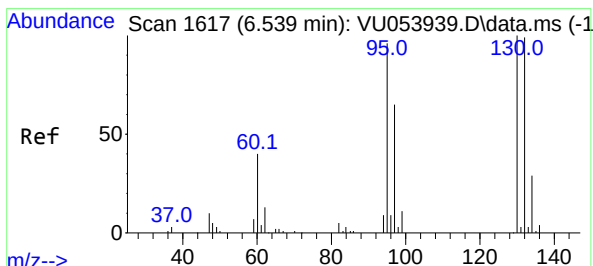
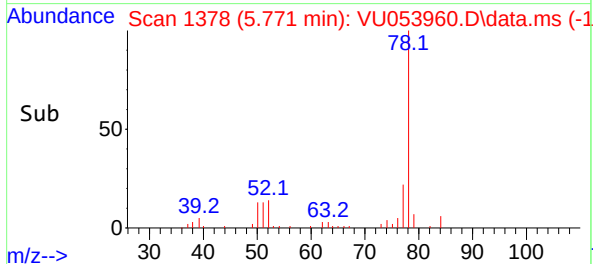
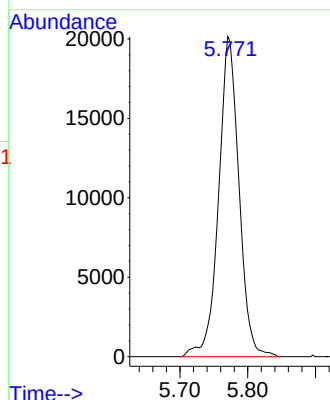
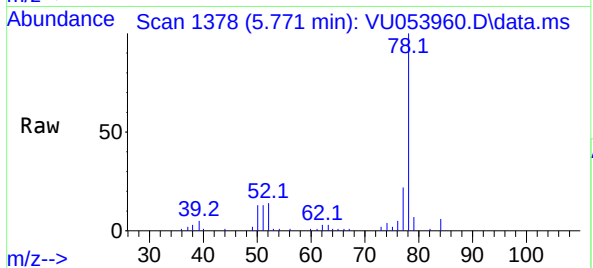




#33
Benzene
Concen: 1.024 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU053960.D
Acq: 28 Apr 2023 01:18

Tgt Ion: 78 Resp: 42037

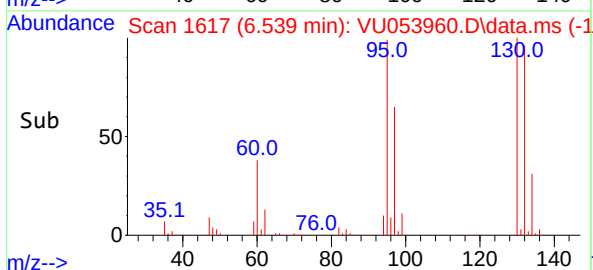
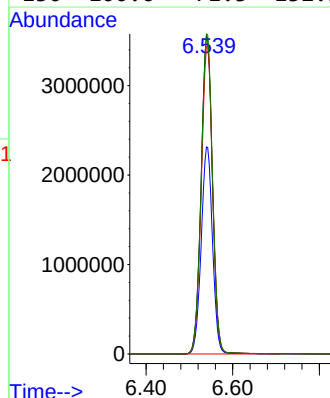
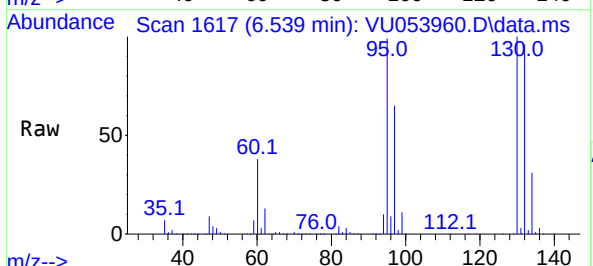
Instrument : MSVOA_U
ClientSampleId : HOA40

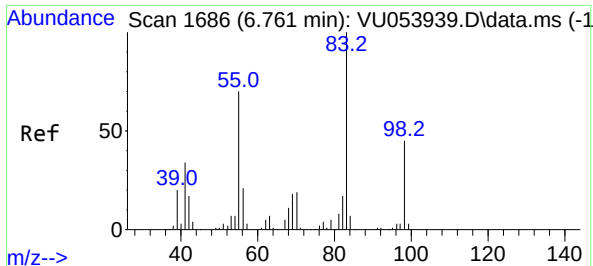


#34
Trichloroethene
Concen: 576.423 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU053960.D
Acq: 28 Apr 2023 01:18

Tgt Ion: 95 Resp: 6450369

Ion	Ratio	Lower	Upper
95	100		
97	65.1	45.1	83.9
132	96.6	69.9	129.9
130	100.6	71.3	132.3

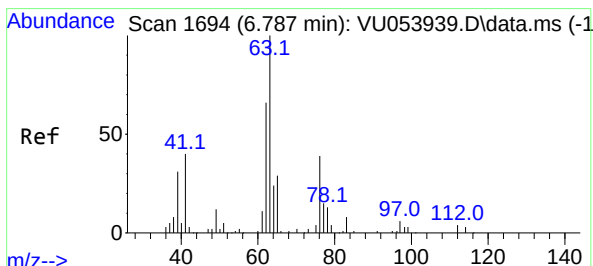
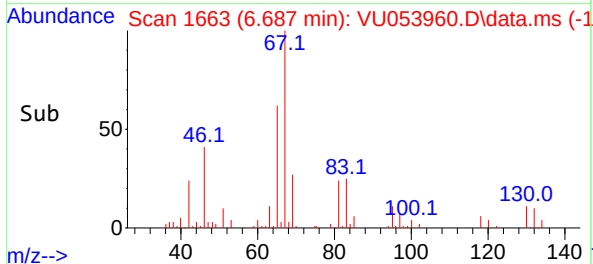
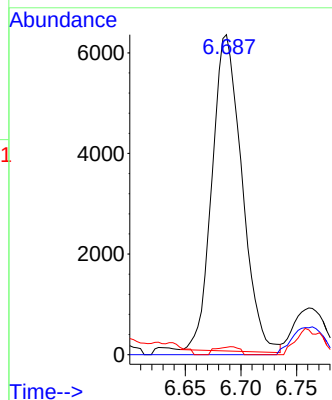
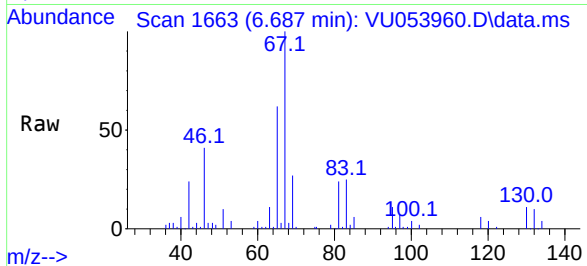




#35
Methylcyclohexane
Concen: 0.678 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.071 min
Lab File: VU053960.D
Acq: 28 Apr 2023 01:18

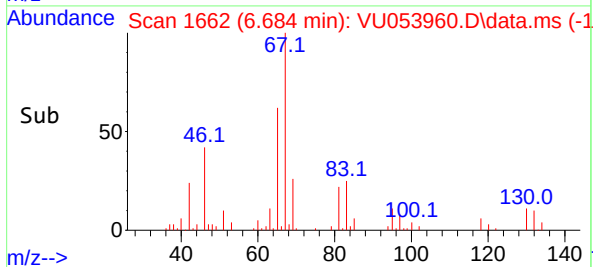
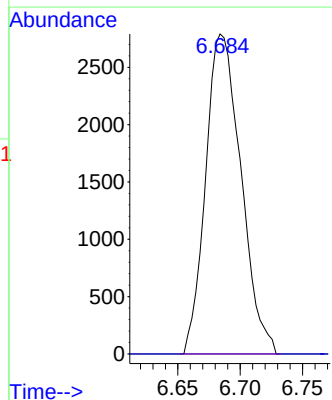
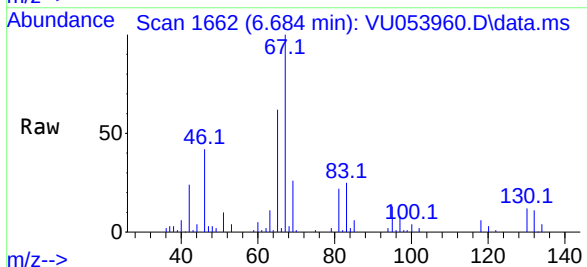
Instrument :
MSVOA_U
ClientSampleId :
HOA40

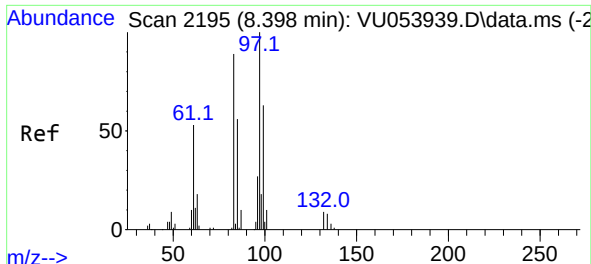
Tgt Ion: 83 Resp: 11713
Ion Ratio Lower Upper
83 100
55 9.1 55.4 83.2#
98 0.0 37.3 55.9#



#37
1,2-Dichloropropane
Concen: 0.540 ug/L
RT: 6.684 min Scan# 1662
Delta R.T. -0.103 min
Lab File: VU053960.D
Acq: 28 Apr 2023 01:18

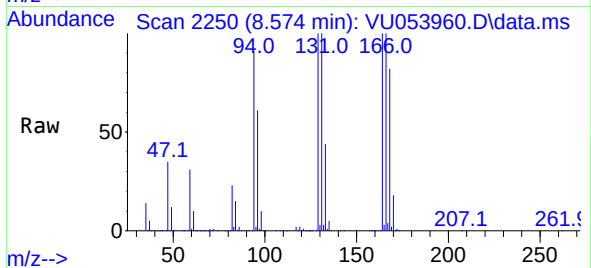
Tgt Ion: 63 Resp: 5500
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#





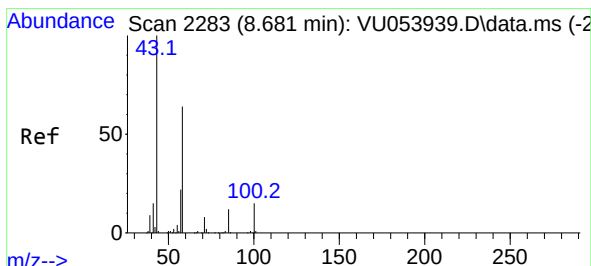
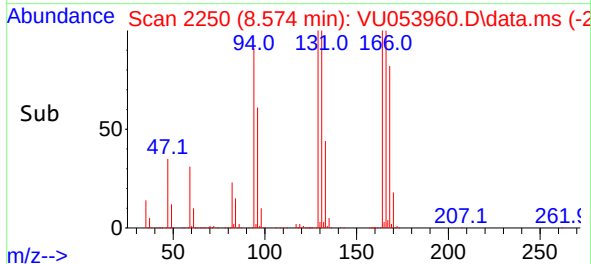
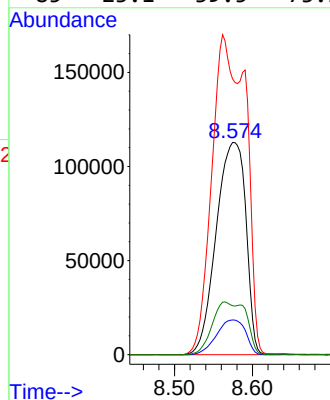
#45
1,1,2-Trichloroethane
Concen: 39.007 ug/L
RT: 8.574 min Scan# 2195
Delta R.T. 0.180 min
Lab File: VU053960.D
Acq: 28 Apr 2023 01:18

Instrument :
MSVOA_U
ClientSampleId :
HOA40



Tgt Ion: 97 Resp: 297872

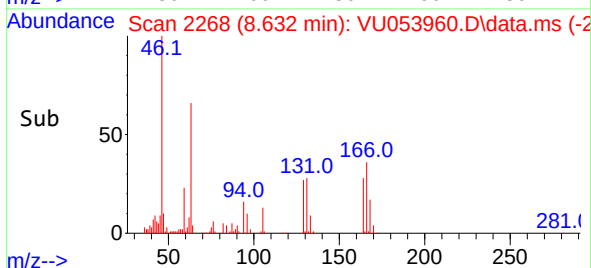
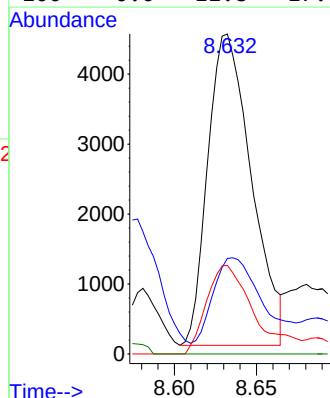
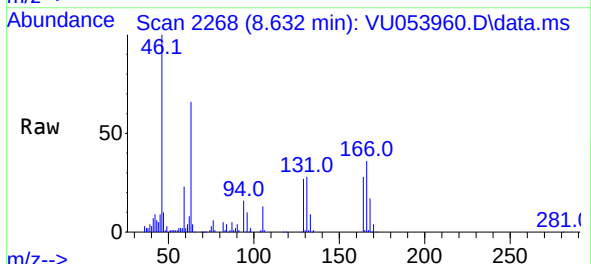
Ion	Ratio	Lower	Upper
97	100		
99	16.3	44.7	83.1#
83	130.1	59.8	111.1#
85	23.1	39.5	73.3#

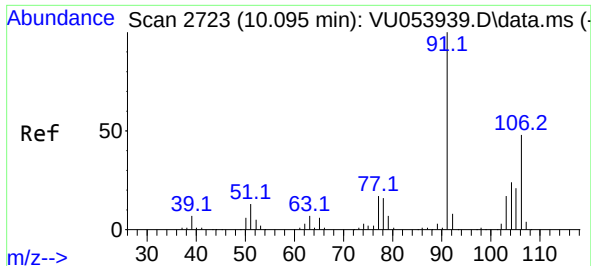


#48
2-Hexanone
Concen: 2.355 ug/L
RT: 8.632 min Scan# 2268
Delta R.T. -0.048 min
Lab File: VU053960.D
Acq: 28 Apr 2023 01:18

Tgt Ion: 43 Resp: 8227

Ion	Ratio	Lower	Upper
43	100		
58	37.6	49.8	74.6#
57	31.1	16.9	25.3#
100	0.0	11.8	17.8#

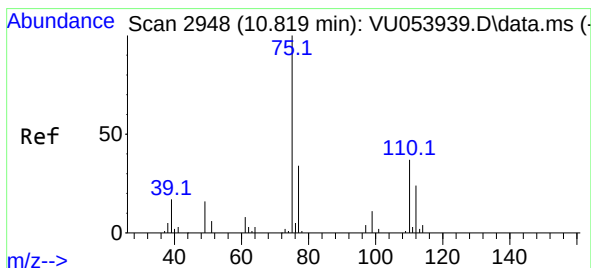
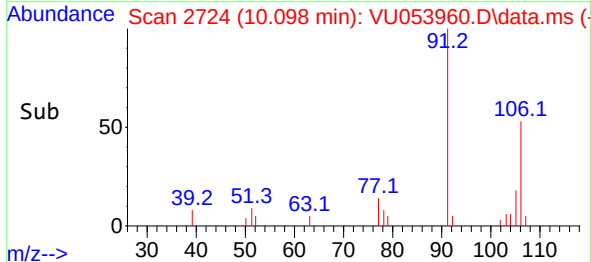
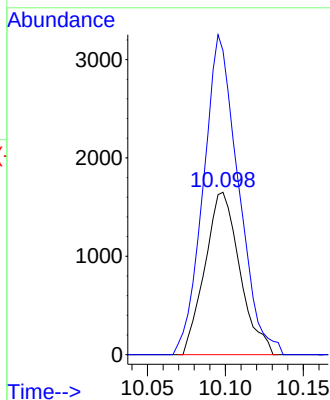
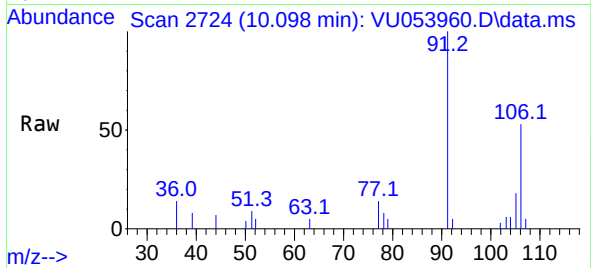




#54
o-Xylene
Concen: 0.145 ug/L
RT: 10.098 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053960.D
Acq: 28 Apr 2023 01:18

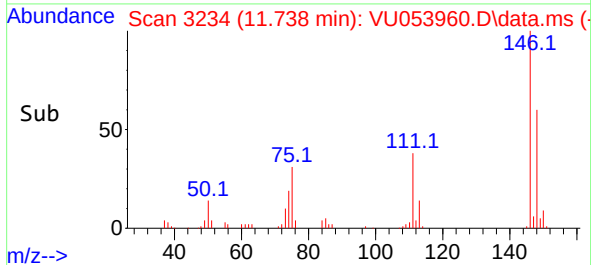
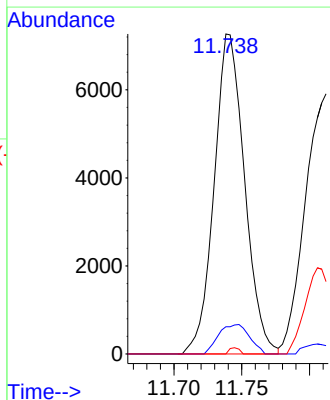
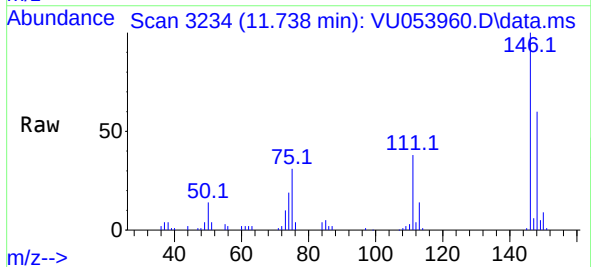
Instrument :
MSVOA_U
ClientSampleId :
HOA40

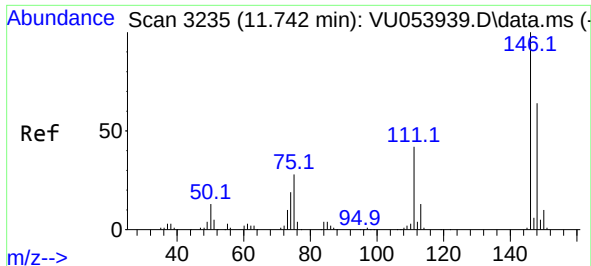
Tgt Ion:106 Resp: 2567
Ion Ratio Lower Upper
106 100
91 187.3 145.5 270.1



#61
1,2,3-Trichloropropane
Concen: 1.966 ug/L
RT: 11.738 min Scan# 3234
Delta R.T. 0.920 min
Lab File: VU053960.D
Acq: 28 Apr 2023 01:18

Tgt Ion: 75 Resp: 11346
Ion Ratio Lower Upper
75 100
110 9.4 30.7 46.1#
77 0.0 26.2 39.4#

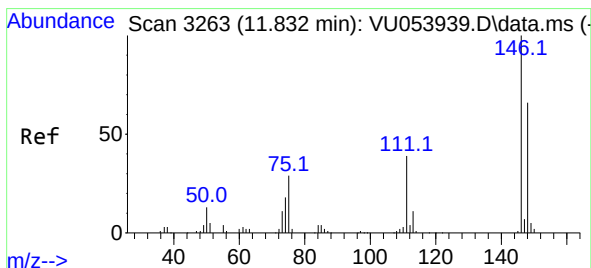
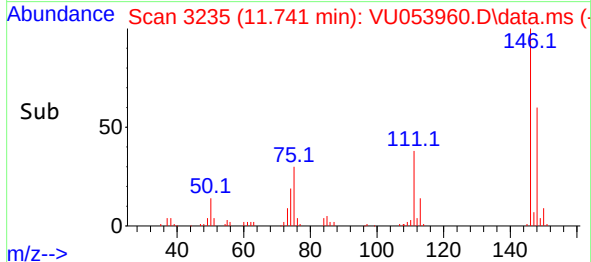
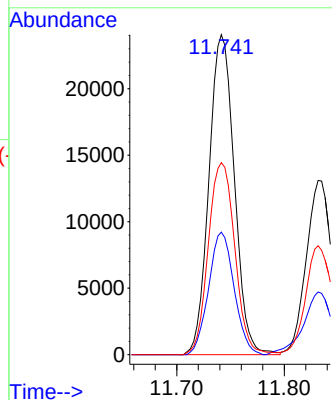
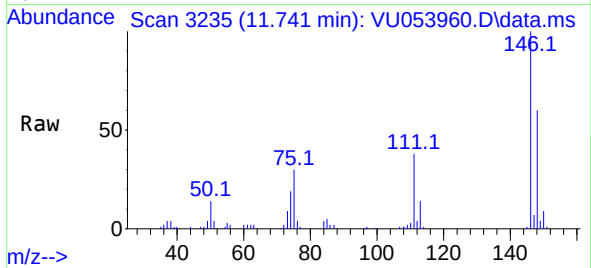




#64
1,3-Dichlorobenzene
Concen: 1.756 ug/L
RT: 11.741 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU053960.D
Acq: 28 Apr 2023 01:18

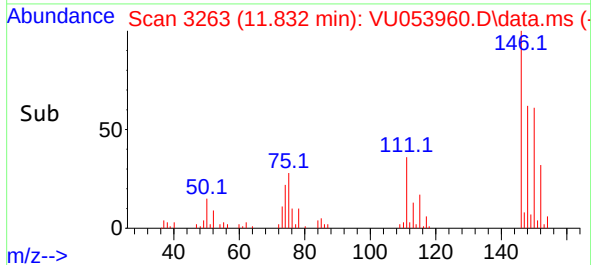
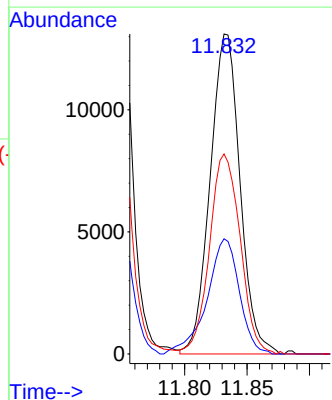
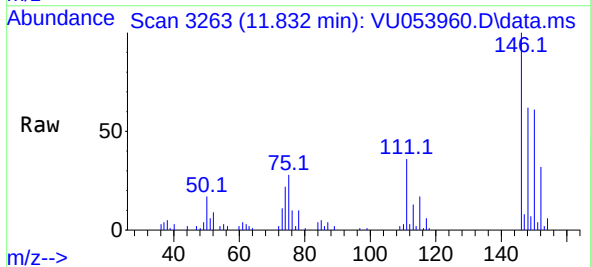
Instrument :
MSVOA_U
ClientSampleId :
HOA40

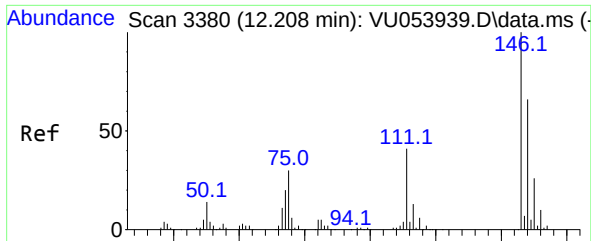
Tgt Ion:146 Resp: 39492
Ion Ratio Lower Upper
146 100
111 38.3 27.9 51.9
148 60.0 43.7 81.1



#65
1,4-Dichlorobenzene
Concen: 0.963 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU053960.D
Acq: 28 Apr 2023 01:18

Tgt Ion:146 Resp: 21895
Ion Ratio Lower Upper
146 100
111 36.0 28.3 52.7
148 62.5 45.4 84.2





#67
1,2-Dichlorobenzene
Concen: 2.674 ug/L
RT: 12.208 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU053960.D
Acq: 28 Apr 2023 01:18

Instrument :
MSVOA_U
ClientSampleId :
HOA40

Tgt Ion:146 Resp: 55550
Ion Ratio Lower Upper
146 100
111 44.0 32.6 49.0
148 64.2 51.0 76.4

