

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U042823\
 Data File : U053955.D
 Acq On : 27 Apr 2023 23:17
 Operator : JC/MD
 Sample : 02525-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 HOA34

Quant Time: Apr 28 07:22:11 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	140439	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	136869	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	68121	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	27431	3.207	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.200%
7) Chloroethane-d5	1.916	69	26154	3.643	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.800%
11) 1,1-Dichloroethene-d2	2.565	65	13415	3.811	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.200%
20) 2-Butanone-d5	4.636	46	77116	49.221	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.440%
24) Chloroform-d	5.060	84	70858	4.396	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.000%
26) 1,2-Dichloroethane-d4	5.697	65	34012	4.566	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.400%
32) Benzene-d6	5.723	84	132663	4.114	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.200%
36) 1,2-Dichloropropane-d6	6.687	67	42596	4.367	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.400%
41) Toluene-d8	7.896	98	118433	3.936	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.800%
43) trans-1,3-Dichloroprop...	8.179	79	14704	3.833	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.600%
46) 2-Hexanone-d5	8.629	63	66182	48.748	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.500%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	34670	4.398	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.000%
66) 1,2-Dichlorobenzene-d4	12.189	152	46883	4.291	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.800%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	3963	0.396	ug/L #	43
12) 1,1-Dichloroethene	2.578	96	1335724	151.212	ug/L #	77
19) 1,1-Dichloroethane	3.867	63	26359	1.632	ug/L	98
22) cis-1,2-Dichloroethene	4.662	96	48778	4.844	ug/L	96
25) Chloroform	5.083	83	86156	4.911	ug/L	96
27) 1,2-Dichloroethane	5.797	62	2115	0.210	ug/L #	71
29) 1,1,1-Trichloroethane	5.314	97	156327	10.160	ug/L	98
31) Carbon tetrachloride	5.520	117	65231	4.877	ug/L	96
33) Benzene	5.771	78	21656	0.561	ug/L	100
34) Trichloroethene	6.539	95	5135075	488.449	ug/L	99
35) Methylcyclohexane	6.684	83	10137	0.624	ug/L #	25
37) 1,2-Dichloropropane	6.684	63	4563	0.477	ug/L #	88
38) Bromodichloromethane	7.108	83	1543	0.129	ug/L #	94
45) 1,1,2-Trichloroethane	8.571	97	258341	36.010	ug/L #	45
48) 2-Hexanone	8.677	43	2241	0.683	ug/L #	35
61) 1,2,3-Trichloropropane	11.742	75	2291	0.436	ug/L #	47
64) 1,3-Dichlorobenzene	11.742	146	8543	0.417	ug/L	90
65) 1,4-Dichlorobenzene	11.832	146	7520	0.364	ug/L	93
67) 1,2-Dichlorobenzene	12.208	146	9049	0.479	ug/L	95

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Response via : Initial Calibration

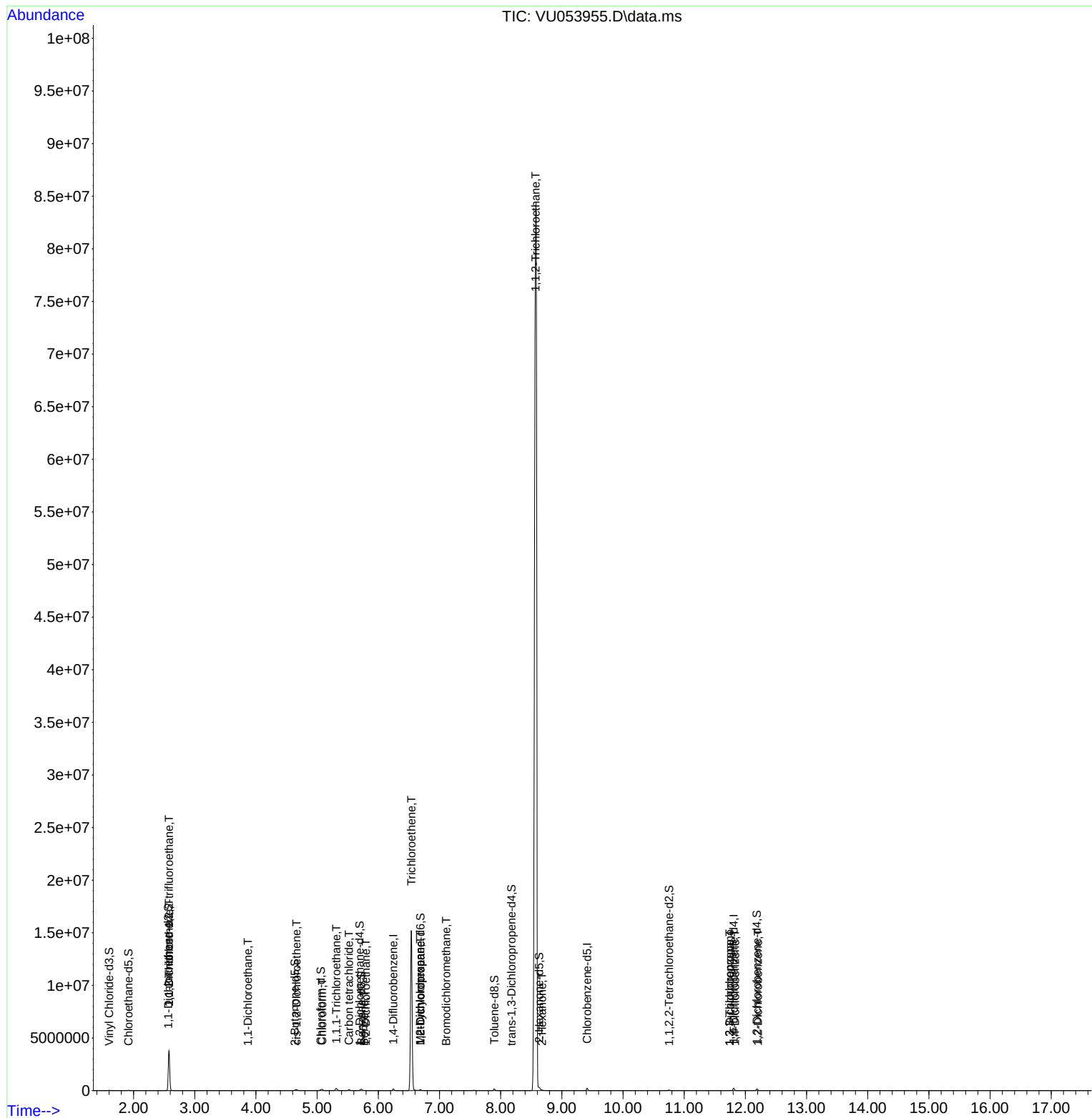
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

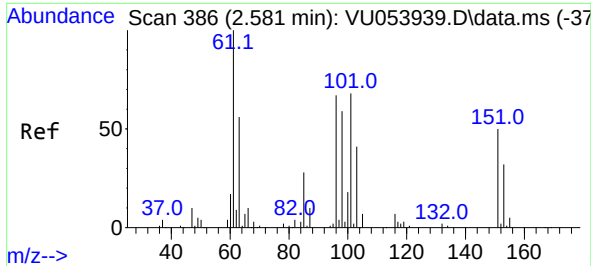
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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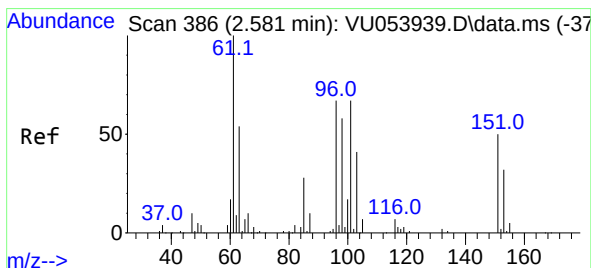
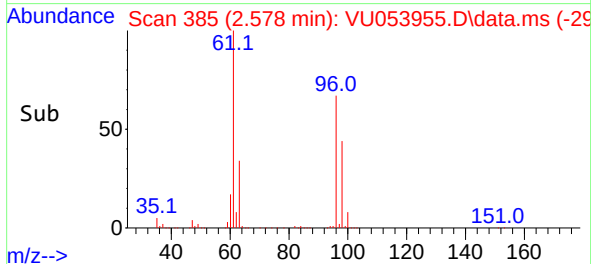
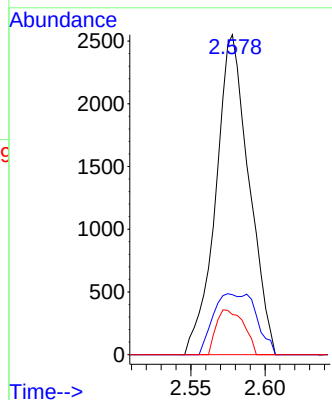
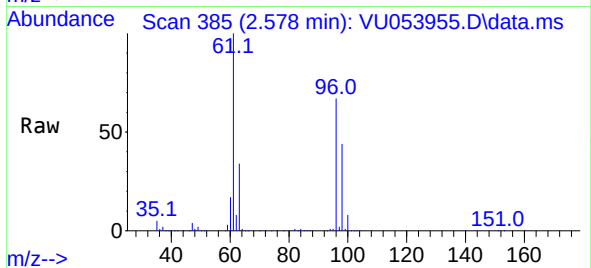




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.396 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.003 min
Lab File: VU053955.D
Acq: 27 Apr 2023 23:17

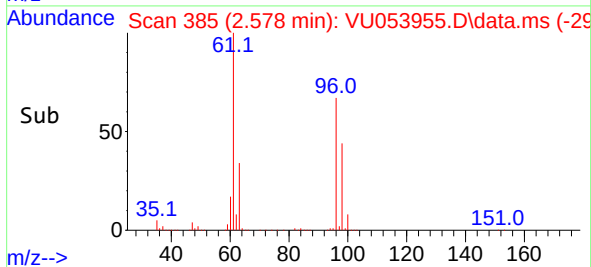
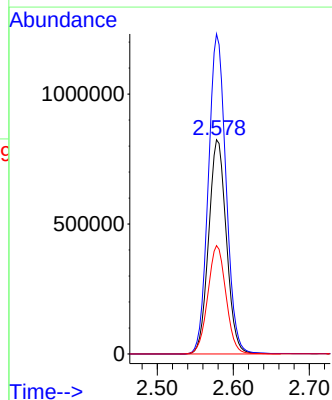
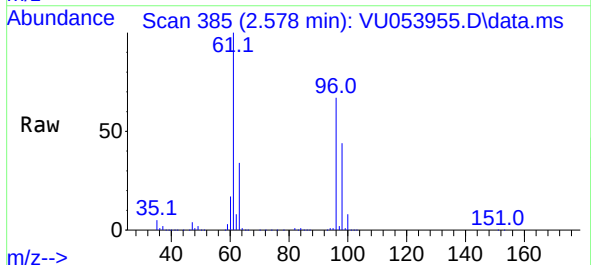
Instrument :
MSVOA_U
ClientSampleId :
HOA34

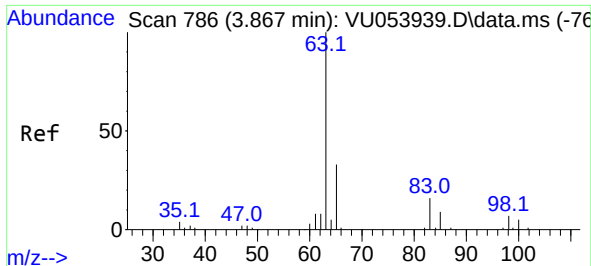
Tgt Ion:101 Resp: 3963
Ion Ratio Lower Upper
101 100
85 24.6 34.7 52.1#
151 11.6 59.1 88.7#



#12
1,1-Dichloroethene
Concen: 151.212 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU053955.D
Acq: 27 Apr 2023 23:17

Tgt Ion: 96 Resp: 1335724
Ion Ratio Lower Upper
96 100
61 149.3 111.5 207.1
63 50.6 68.7 127.7#

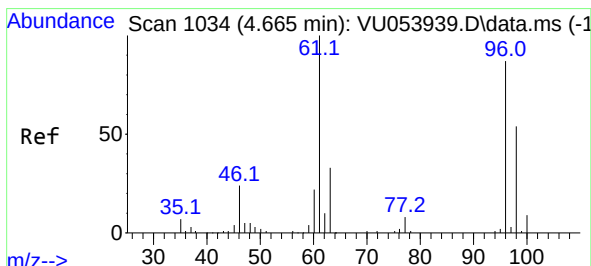
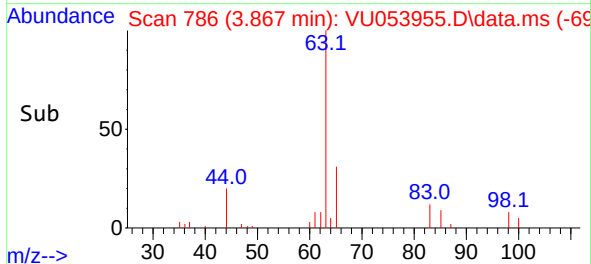
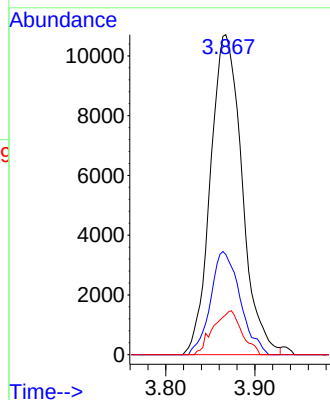
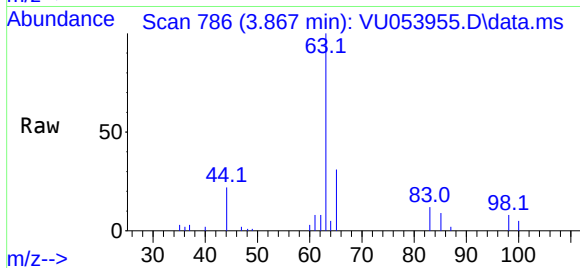




#19
1,1-Dichloroethane
Concen: 1.632 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.003 min
Lab File: VU053955.D
Acq: 27 Apr 2023 23:17

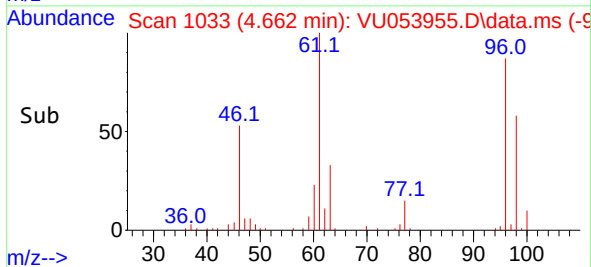
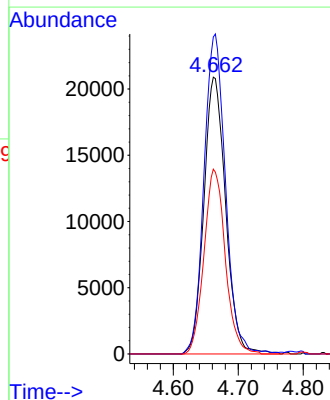
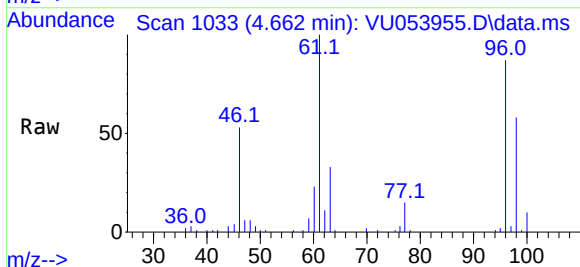
Instrument :
MSVOA_U
ClientSampleId :
HOA34

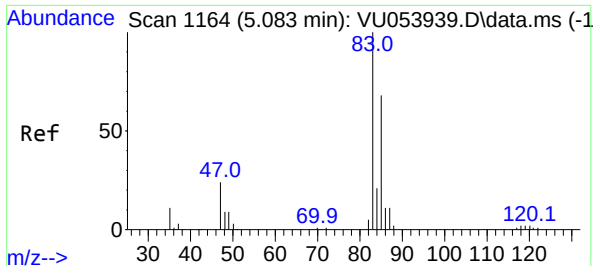
Tgt Ion:	63	Resp:	26359
Ion	Ratio	Lower	Upper
63	100		
65	31.3	22.0	40.8
83	12.5	10.3	19.1



#22
cis-1,2-Dichloroethene
Concen: 4.844 ug/L
RT: 4.662 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VU053955.D
Acq: 27 Apr 2023 23:17

Tgt Ion:	96	Resp:	48778
Ion	Ratio	Lower	Upper
96	100		
61	114.5	84.3	156.5
98	66.7	46.4	86.2

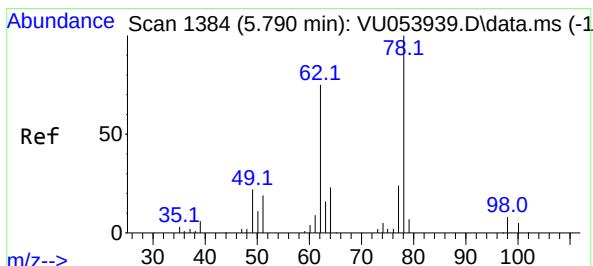
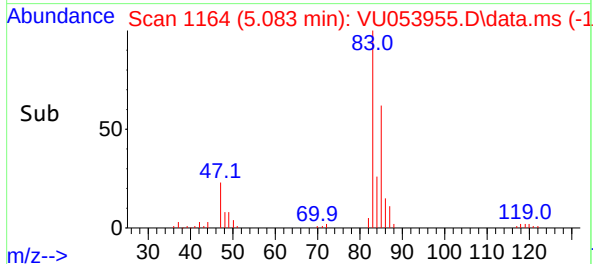
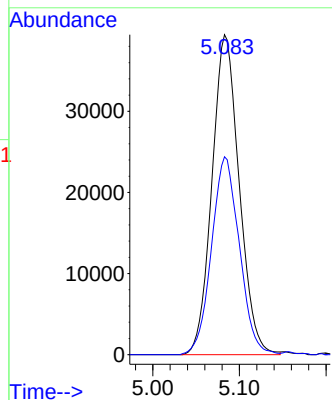
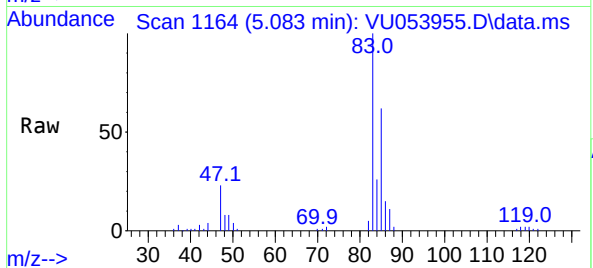




#25
Chloroform
Concen: 4.911 ug/L
RT: 5.083 min Scan# 1164
Delta R.T. -0.003 min
Lab File: VU053955.D
Acq: 27 Apr 2023 23:17

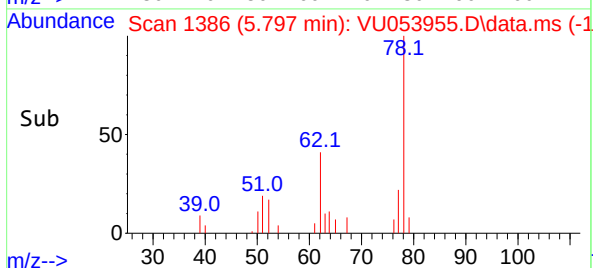
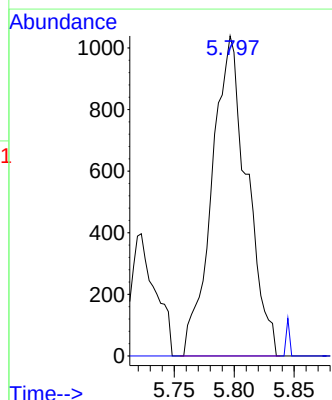
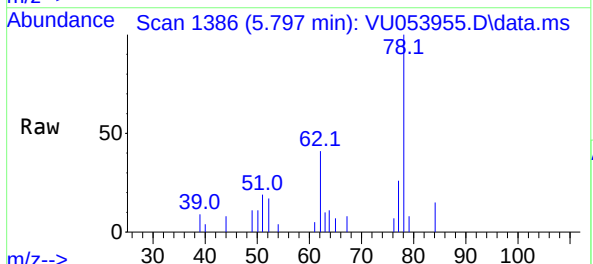
Instrument :
MSVOA_U
ClientSampleId :
HOA34

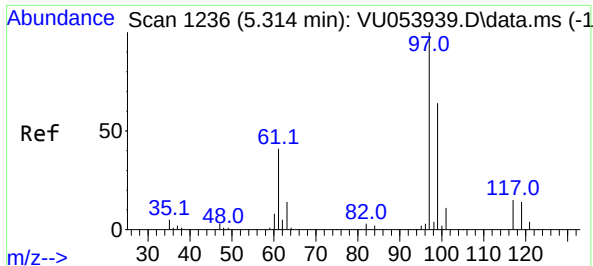
Tgt Ion: 83 Resp: 86156
Ion Ratio Lower Upper
83 100
85 61.9 45.6 84.8



#27
1,2-Dichloroethane
Concen: 0.210 ug/L
RT: 5.797 min Scan# 1386
Delta R.T. 0.007 min
Lab File: VU053955.D
Acq: 27 Apr 2023 23:17

Tgt Ion: 62 Resp: 2115
Ion Ratio Lower Upper
62 100
98 0.0 8.7 13.1#

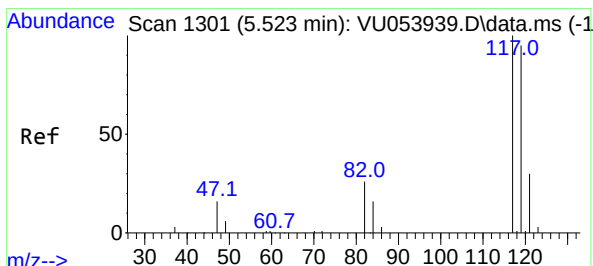
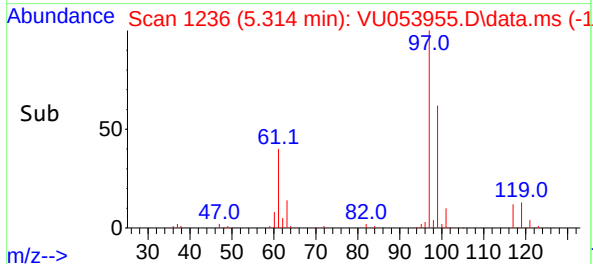
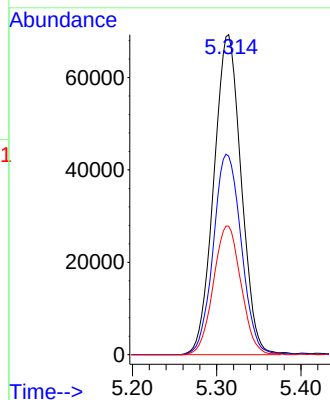
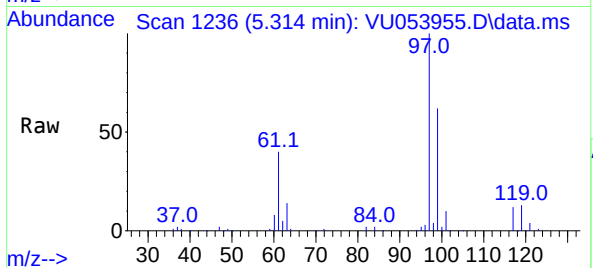




#29
1,1,1-Trichloroethane
Concen: 10.160 ug/L
RT: 5.314 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU053955.D
Acq: 27 Apr 2023 23:17

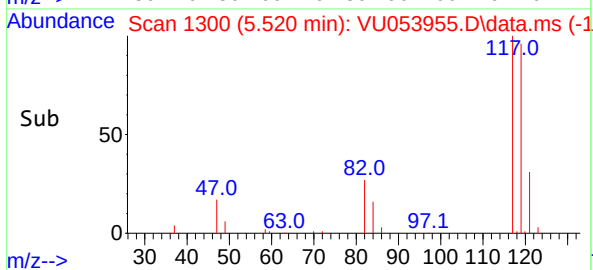
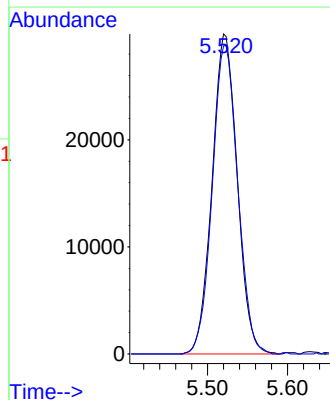
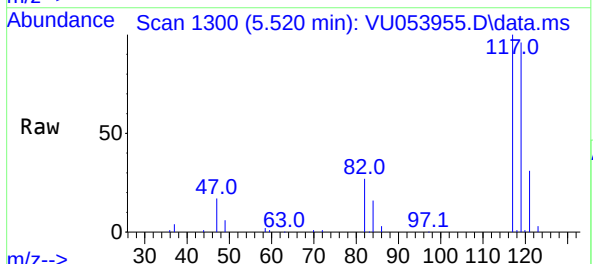
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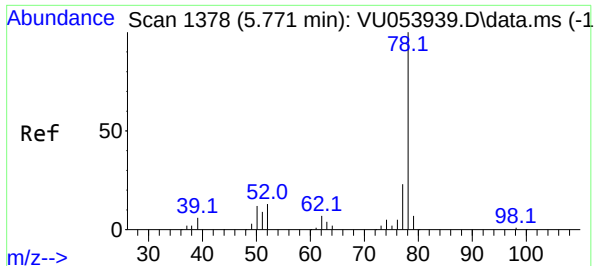
Tgt Ion: 97 Resp: 156327
Ion Ratio Lower Upper
97 100
99 64.2 52.9 79.3
61 40.6 33.8 50.8



#31
Carbon tetrachloride
Concen: 4.877 ug/L
RT: 5.520 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VU053955.D
Acq: 27 Apr 2023 23:17

Tgt Ion: 117 Resp: 65231
Ion Ratio Lower Upper
117 100
119 97.6 75.0 112.6





Benzene

Concen: 0.561 ug/L

RT: 5.771 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU053955.D

Acq: 27 Apr 2023 23:17

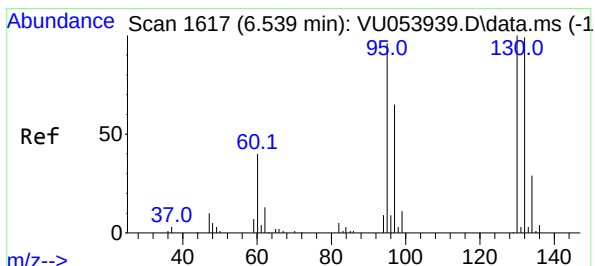
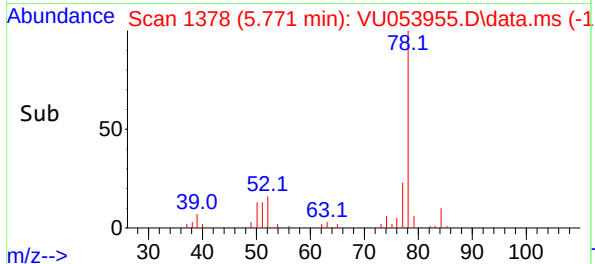
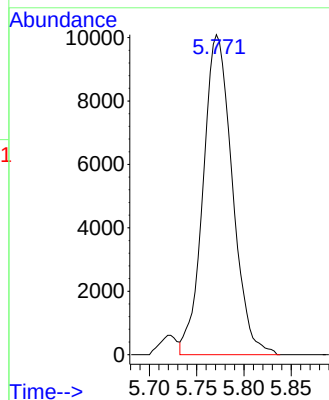
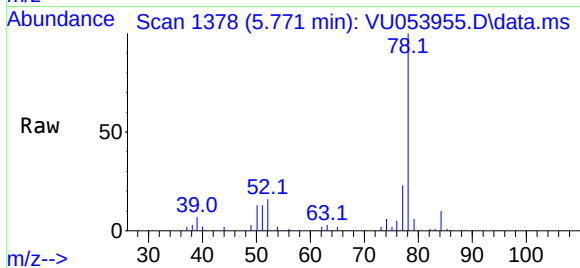
Instrument :

MSVOA_U

ClientSampleId :

HOA34

Tgt Ion: 78 Resp: 21656



Trichloroethene

Concen: 488.449 ug/L

RT: 6.539 min Scan# 1617

Delta R.T. 0.000 min

Lab File: VU053955.D

Acq: 27 Apr 2023 23:17

Tgt Ion: 95 Resp: 5135075

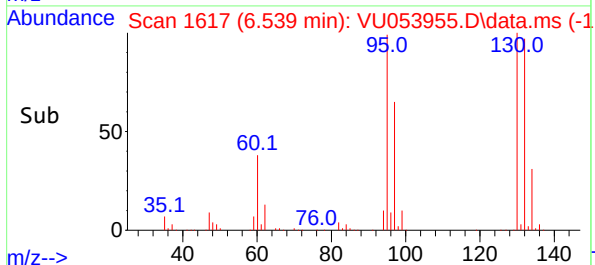
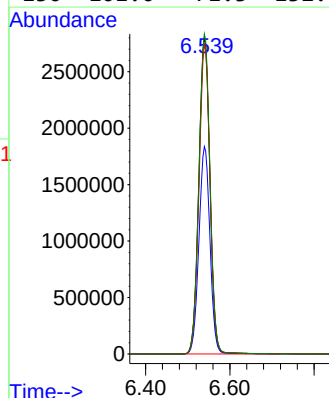
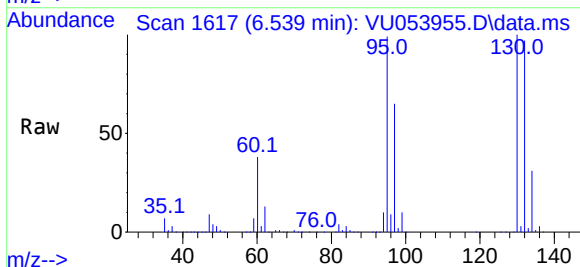
Ion Ratio Lower Upper

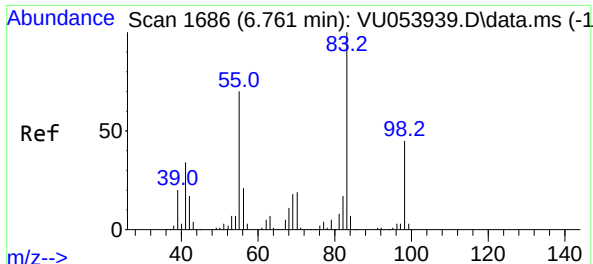
95 100

97 65.5 45.1 83.9

132 97.6 69.9 129.9

130 101.0 71.3 132.3





#35

Methylcyclohexane

Concen: 0.624 ug/L

RT: 6.684 min Scan# 1662

Delta R.T. -0.074 min

Lab File: VU053955.D

Acq: 27 Apr 2023 23:17

Instrument :

MSVOA_U

ClientSampleId :

HOA34

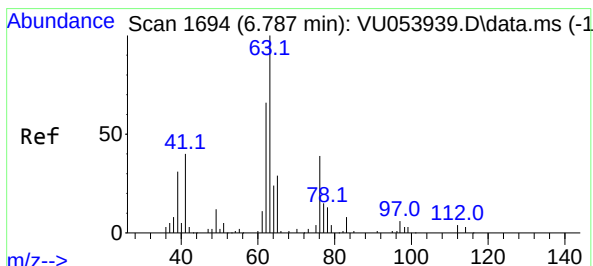
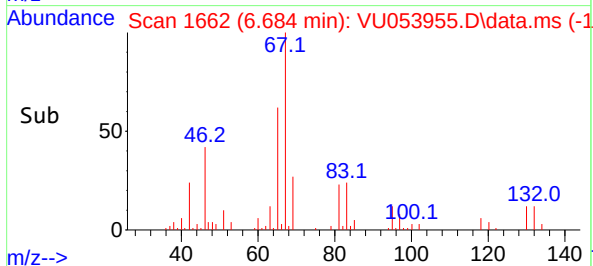
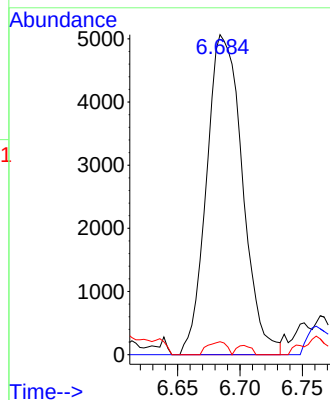
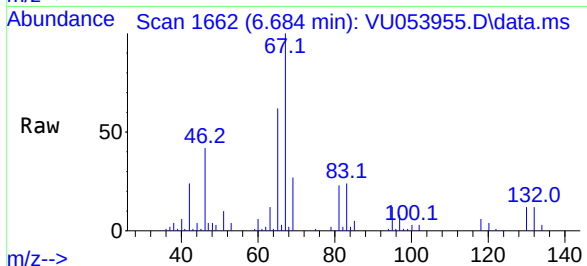
Tgt Ion: 83 Resp: 10137

Ion Ratio Lower Upper

83 100

55 5.9 55.4 83.2#

98 0.0 37.3 55.9#



#37

1,2-Dichloropropane

Concen: 0.477 ug/L

RT: 6.684 min Scan# 1662

Delta R.T. -0.103 min

Lab File: VU053955.D

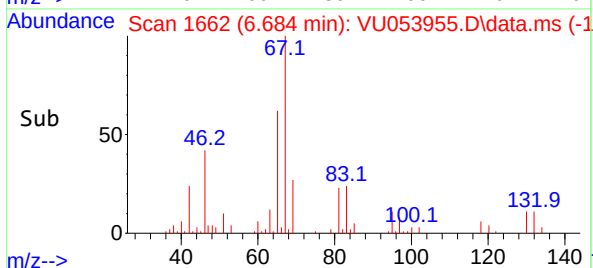
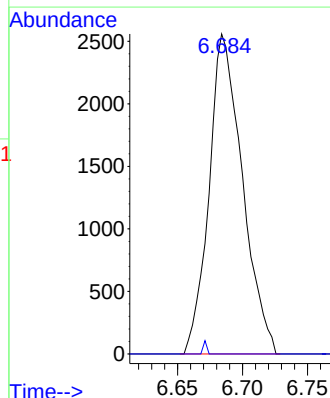
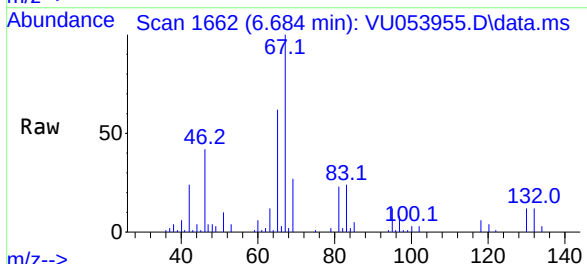
Acq: 27 Apr 2023 23:17

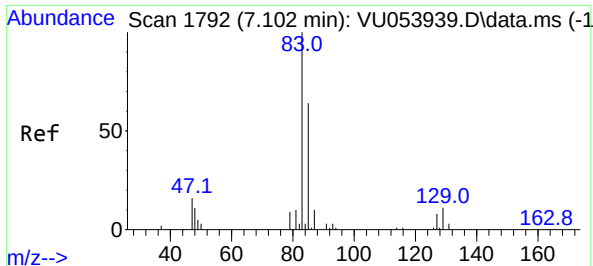
Tgt Ion: 63 Resp: 4563

Ion Ratio Lower Upper

63 100

112 0.4 3.5 5.3#

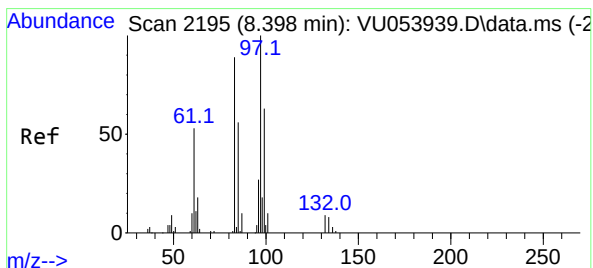
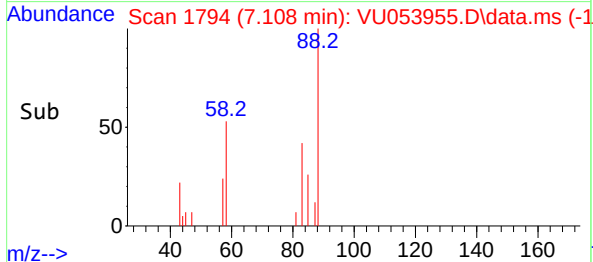
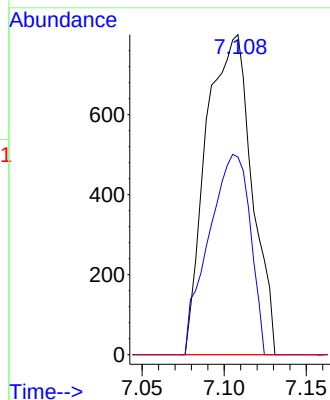
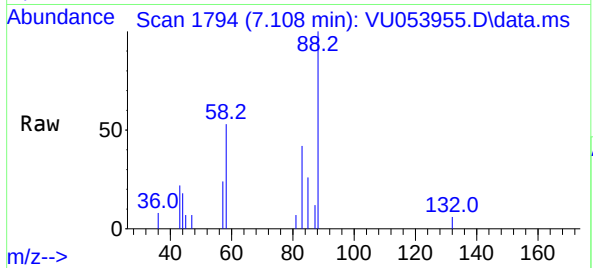




#38
Bromodichloromethane
Concen: 0.129 ug/L
RT: 7.108 min Scan# 11
Delta R.T. 0.007 min
Lab File: VU053955.D
Acq: 27 Apr 2023 23:17

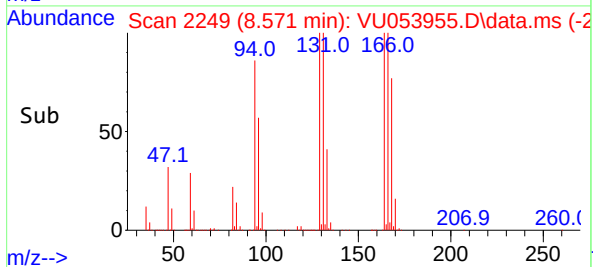
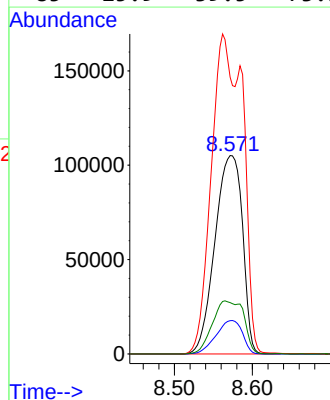
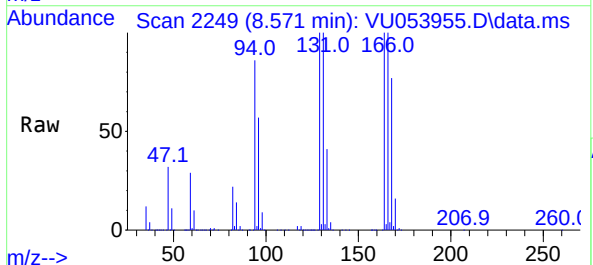
Instrument :
MSVOA_U
ClientSampleId :
HOA34

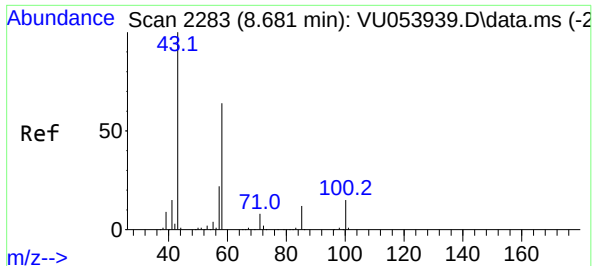
Tgt Ion: 83 Resp: 1543
Ion Ratio Lower Upper
83 100
85 61.8 45.2 84.0
127 0.0 7.3 10.9#



#45
1,1,2-Trichloroethane
Concen: 36.010 ug/L
RT: 8.571 min Scan# 2249
Delta R.T. 0.177 min
Lab File: VU053955.D
Acq: 27 Apr 2023 23:17

Tgt Ion: 97 Resp: 258341
Ion Ratio Lower Upper
97 100
99 16.8 44.7 83.1#
83 139.5 59.8 111.1#
85 25.9 39.5 73.3#





#48

2-Hexanone

Concen: 0.683 ug/L

RT: 8.677 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU053955.D

Acq: 27 Apr 2023 23:17

Instrument :

MSVOA_U

ClientSampleId :

HOA34

Tgt Ion: 43 Resp: 2241

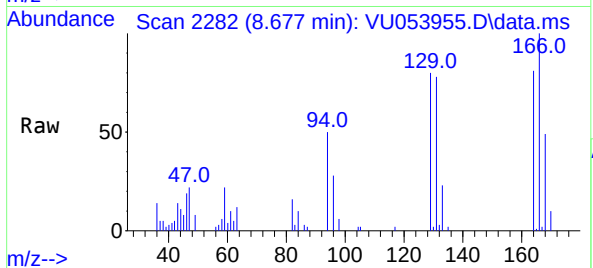
Ion Ratio Lower Upper

43 100

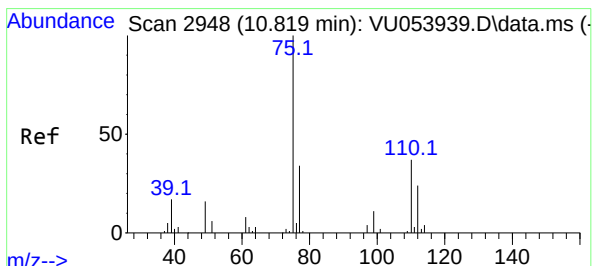
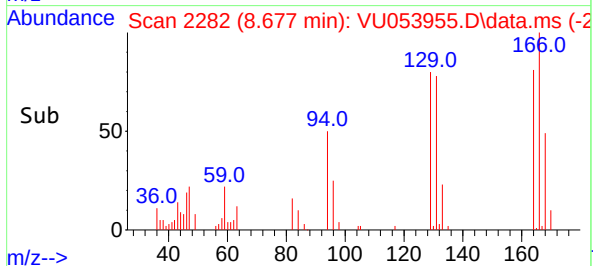
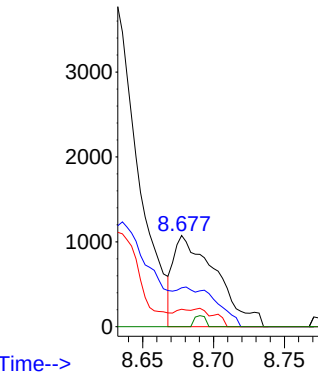
58 0.0 49.8 74.6#

57 0.0 16.9 25.3#

100 3.1 11.8 17.8#



Abundance



#61

1,2,3-Trichloropropane

Concen: 0.436 ug/L

RT: 11.742 min Scan# 3235

Delta R.T. 0.923 min

Lab File: VU053955.D

Acq: 27 Apr 2023 23:17

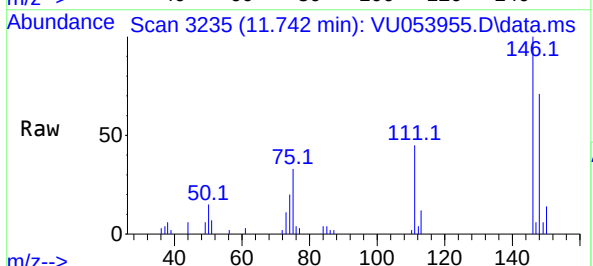
Tgt Ion: 75 Resp: 2291

Ion Ratio Lower Upper

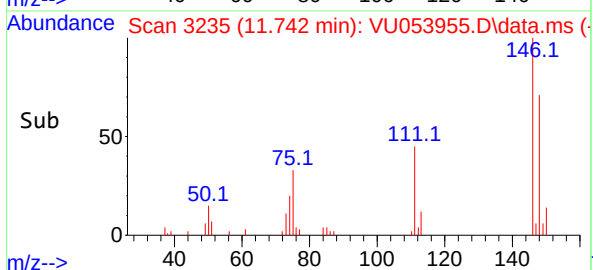
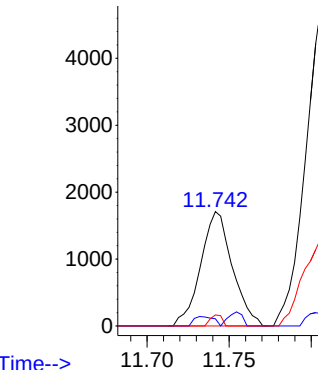
75 100

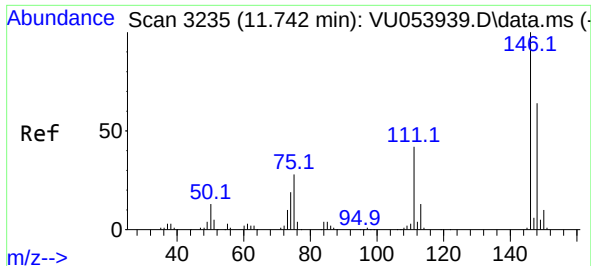
110 5.2 30.7 46.1#

77 3.6 26.2 39.4#



Abundance

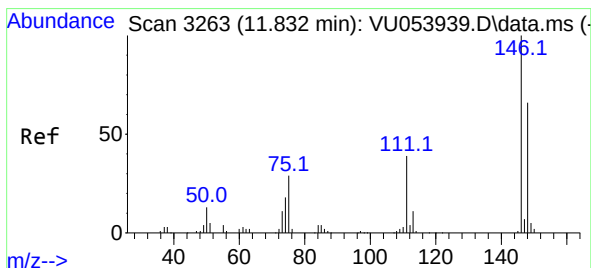
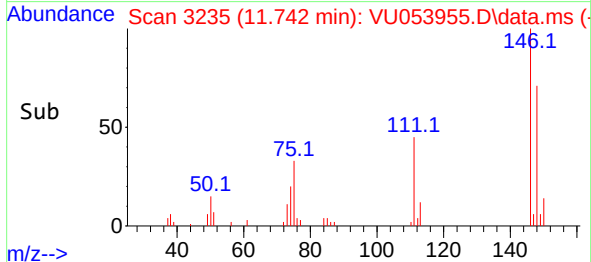
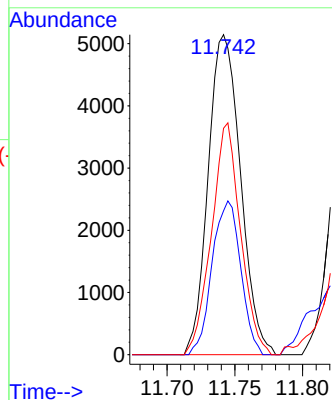
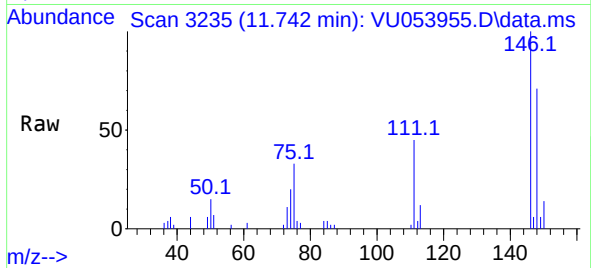




#64
1,3-Dichlorobenzene
Concen: 0.417 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU053955.D
Acq: 27 Apr 2023 23:17

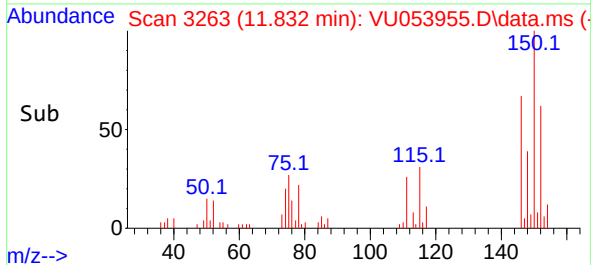
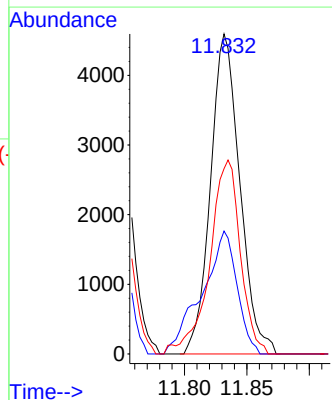
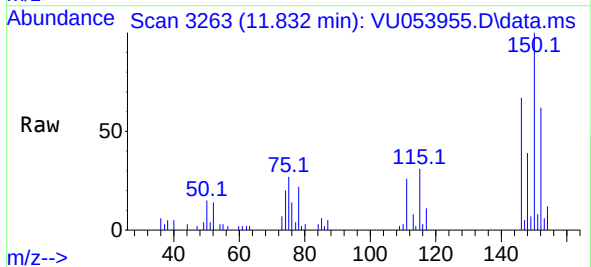
Instrument :
MSVOA_U
ClientSampleId :
HOA34

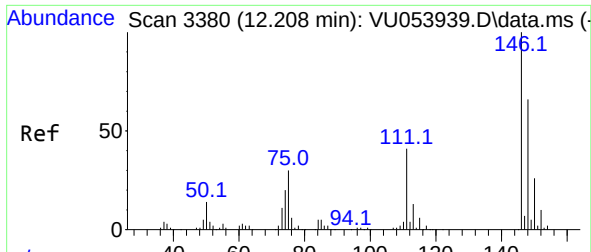
Tgt Ion:146 Resp: 8543
Ion Ratio Lower Upper
146 100
111 45.0 27.9 51.9
148 70.8 43.7 81.1



#65
1,4-Dichlorobenzene
Concen: 0.364 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053955.D
Acq: 27 Apr 2023 23:17

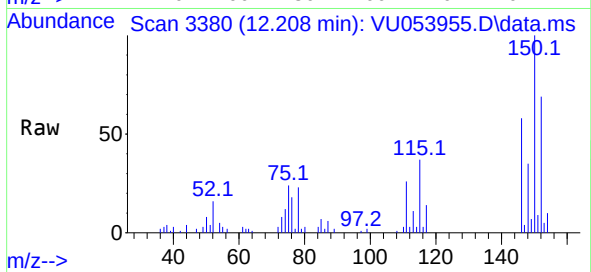
Tgt Ion:146 Resp: 7520
Ion Ratio Lower Upper
146 100
111 38.4 28.3 52.7
148 57.9 45.4 84.2





#67
 1,2-Dichlorobenzene
 Concen: 0.479 ug/L
 RT: 12.208 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU053955.D
 Acq: 27 Apr 2023 23:17

Instrument :
 MSVOA_U
 ClientSampleId :
 HOA34



Tgt Ion:	146	Resp:	9049
Ion	Ratio	Lower	Upper
146	100		
111	44.5	32.6	49.0
148	60.1	51.0	76.4

