

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042823\
 Data File : VU053954.D
 Acq On : 27 Apr 2023 22:53
 Operator : JC/MD
 Sample : 02525-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 HOA33

Quant Time: Apr 28 07:22:04 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	137629	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	130784	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	64862	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	27986	3.338	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.800%
7) Chloroethane-d5	1.916	69	26974	3.834	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.600%
11) 1,1-Dichloroethene-d2	2.565	65	13065	3.787	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.800%
20) 2-Butanone-d5	4.636	46	77166	50.258	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.520%
24) Chloroform-d	5.057	84	70308	4.451	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.000%
26) 1,2-Dichloroethane-d4	5.700	65	32693	4.478	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.600%
32) Benzene-d6	5.723	84	130255	4.228	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.600%
36) 1,2-Dichloropropane-d6	6.687	67	42954	4.608	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.200%
41) Toluene-d8	7.893	98	115321	4.011	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.200%
43) trans-1,3-Dichloroprop...	8.176	79	15064	4.109	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.200%
46) 2-Hexanone-d5	8.629	63	65931	50.822	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.640%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	33086	4.393	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.800%
66) 1,2-Dichlorobenzene-d4	12.189	152	43887	4.219	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.400%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.578	96	267667	30.920	ug/L #	78
18) trans-1,2-Dichloroethene	3.353	96	2165	0.247	ug/L	89
19) 1,1-Dichloroethane	3.864	63	23566	1.489	ug/L	99
22) cis-1,2-Dichloroethene	4.662	96	382384	38.749	ug/L	97
25) Chloroform	5.083	83	71333	4.149	ug/L	99
29) 1,1,1-Trichloroethane	5.311	97	1145892	77.940	ug/L	98
31) Carbon tetrachloride	5.523	117	12612	0.987	ug/L	95
34) Trichloroethene	6.536	95	909293	90.516	ug/L	99
35) Methylcyclohexane	6.687	83	9975	0.643	ug/L #	21
37) 1,2-Dichloropropane	6.681	63	4217	0.461	ug/L #	87
45) 1,1,2-Trichloroethane	8.562	97	126662	18.477	ug/L #	13
47) Tetrachloroethene	8.562	164	14749978	1852.524	ug/L	90
48) 2-Hexanone	8.629	43	6949	2.216	ug/L #	72
49) Dibromochloromethane	8.562	129	14819368	2041.619	ug/L #	10
61) 1,2,3-Trichloropropane	11.745	75	1513	0.303	ug/L #	49
64) 1,3-Dichlorobenzene	11.745	146	5555	0.285	ug/L	92

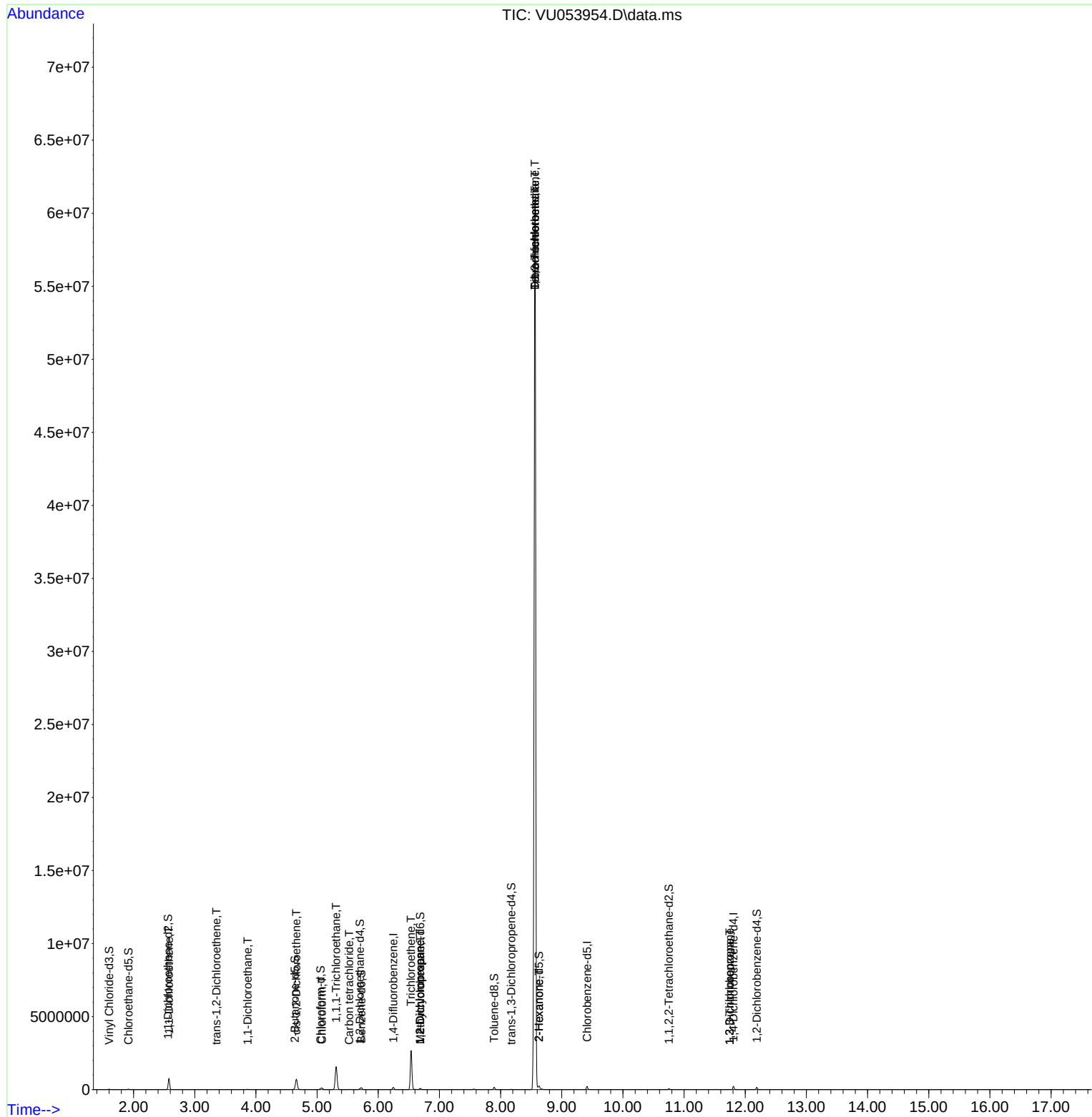
(#) = qualifier out of range (m) = manual integration (+) = signals summed

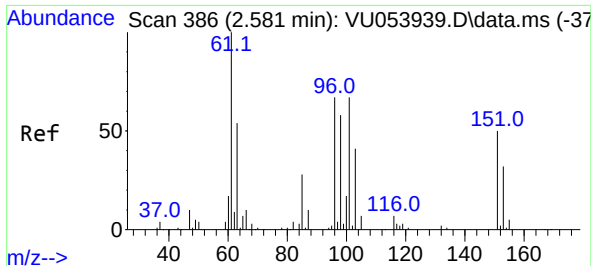
Instrument :
MSVOA_U
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#12

1,1-Dichloroethene

Concen: 30.920 ug/L

RT: 2.578 min Scan# 386

Delta R.T. 0.000 min

Lab File: VU053954.D

Acq: 27 Apr 2023 22:53

Instrument :

MSVOA_U

ClientSampleId :

HOA33

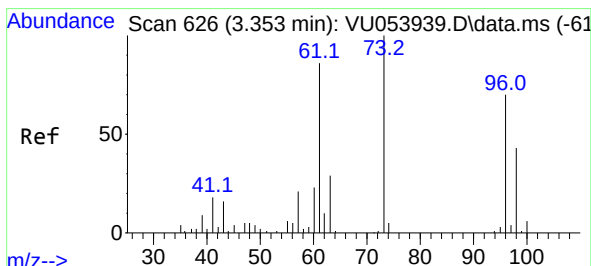
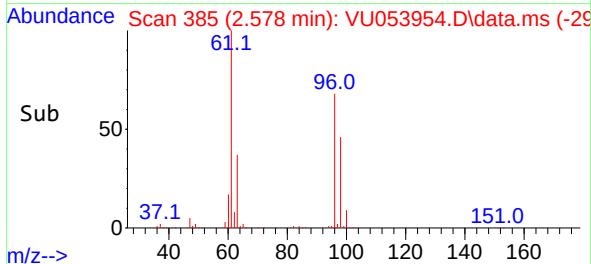
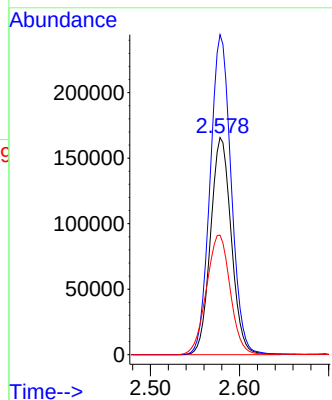
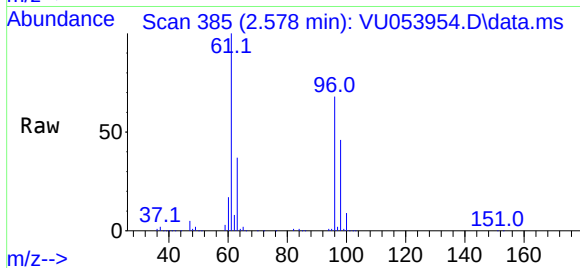
Tgt Ion: 96 Resp: 267667

Ion Ratio Lower Upper

96 100

61 147.4 111.5 207.1

63 55.1 68.7 127.7#



#18

trans-1,2-Dichloroethene

Concen: 0.247 ug/L

RT: 3.353 min Scan# 626

Delta R.T. 0.000 min

Lab File: VU053954.D

Acq: 27 Apr 2023 22:53

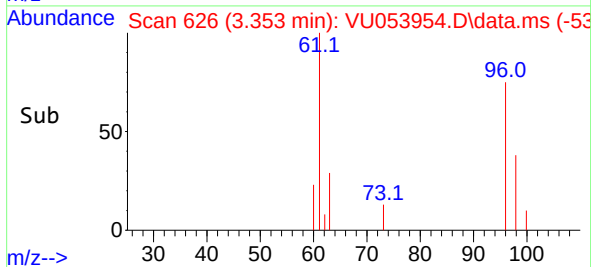
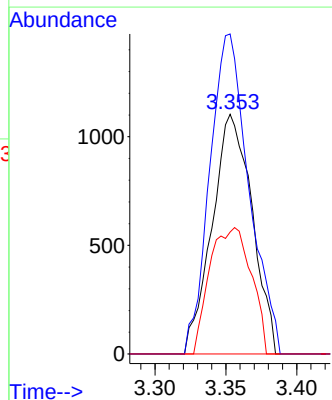
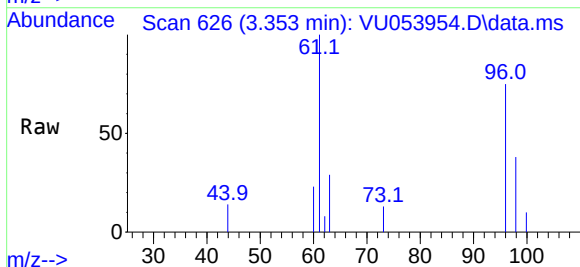
Tgt Ion: 96 Resp: 2165

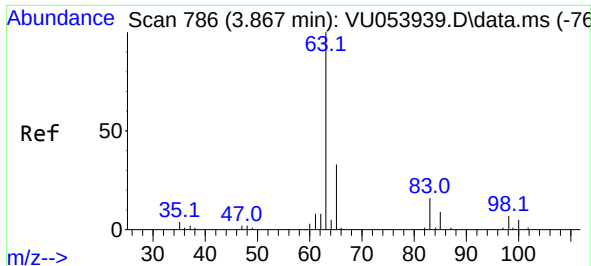
Ion Ratio Lower Upper

96 100

61 133.5 86.2 160.0

98 50.9 42.8 79.4

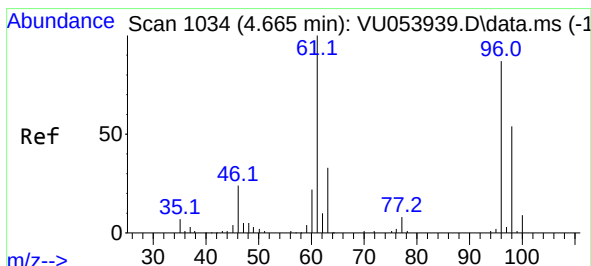
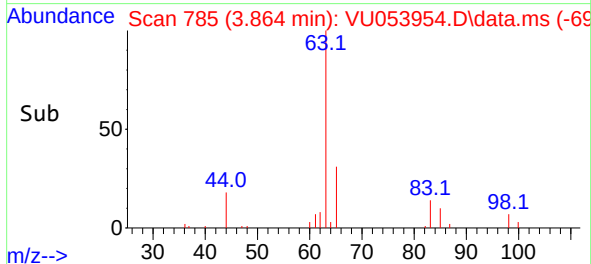
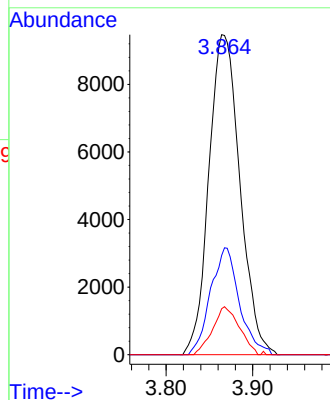
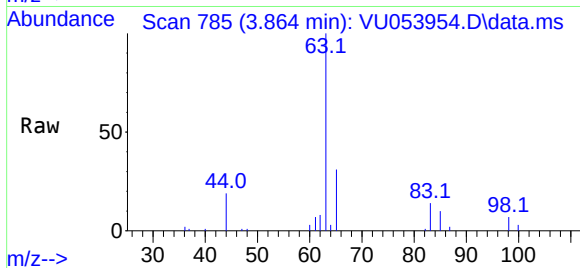




#19
1,1-Dichloroethane
Concen: 1.489 ug/L
RT: 3.864 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU053954.D
Acq: 27 Apr 2023 22:53

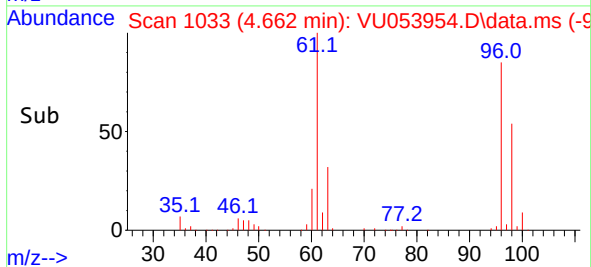
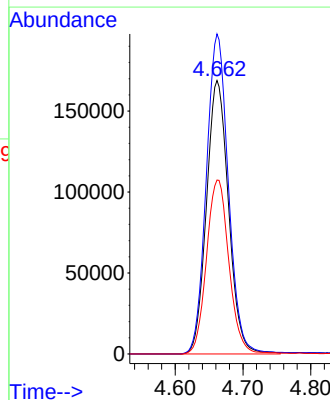
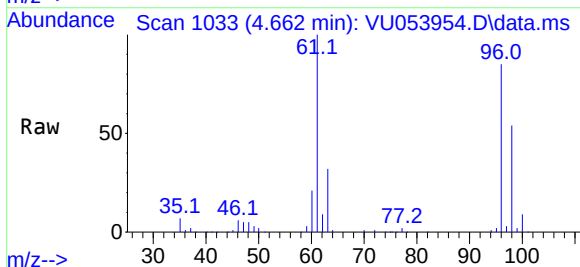
Instrument :
MSVOA_U
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HOA33

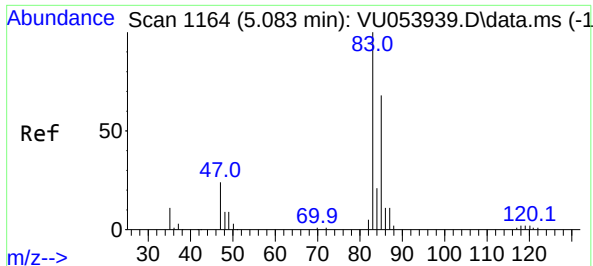
Tgt Ion:	63	Resp:	23566
Ion	Ratio	Lower	Upper
63	100		
65	31.0	22.0	40.8
83	14.3	10.3	19.1



#22
cis-1,2-Dichloroethene
Concen: 38.749 ug/L
RT: 4.662 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VU053954.D
Acq: 27 Apr 2023 22:53

Tgt Ion:	96	Resp:	382384
Ion	Ratio	Lower	Upper
96	100		
61	117.0	84.3	156.5
98	63.6	46.4	86.2

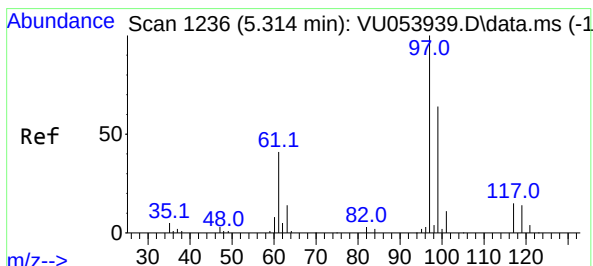
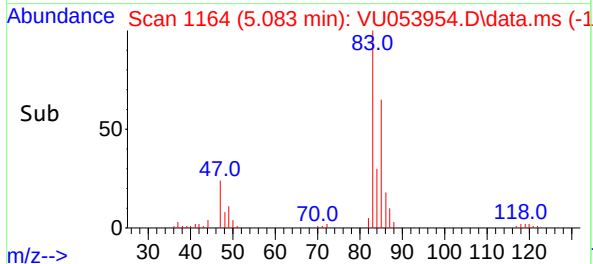
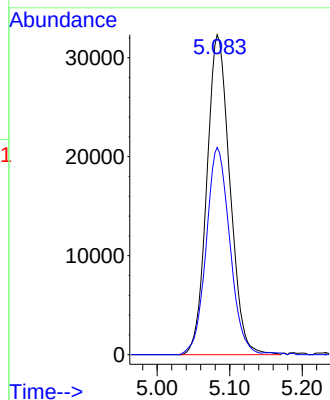
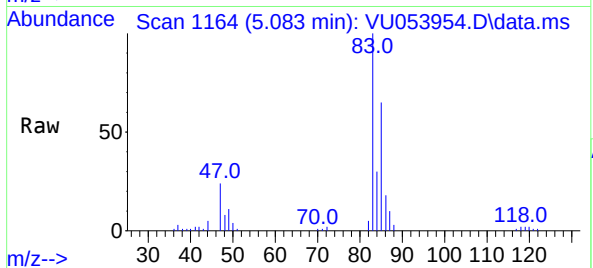




#25
Chloroform
Concen: 4.149 ug/L
RT: 5.083 min Scan# 1164
Delta R.T. -0.003 min
Lab File: VU053954.D
Acq: 27 Apr 2023 22:53

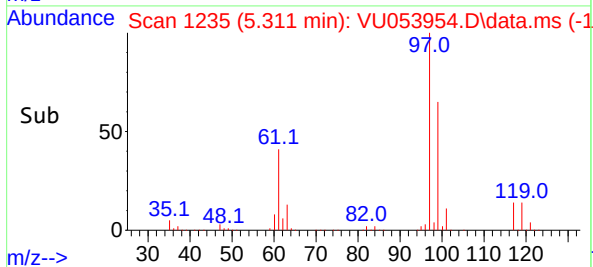
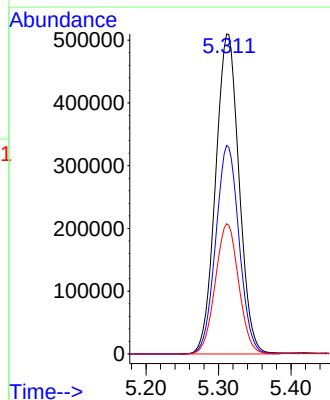
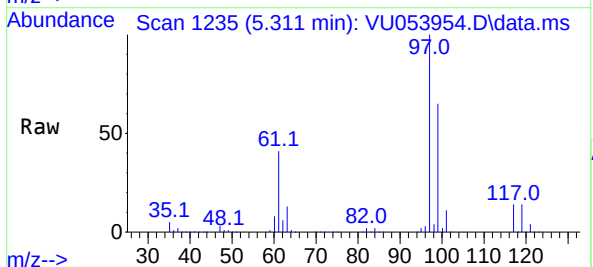
Instrument : MSVOA_U
ClientSampleId : HOA33

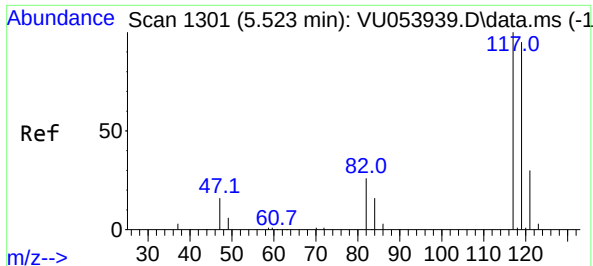
Tgt Ion: 83 Resp: 71333
Ion Ratio Lower Upper
83 100
85 64.8 45.6 84.8



#29
1,1,1-Trichloroethane
Concen: 77.940 ug/L
RT: 5.311 min Scan# 1235
Delta R.T. -0.003 min
Lab File: VU053954.D
Acq: 27 Apr 2023 22:53

Tgt Ion: 97 Resp: 1145892
Ion Ratio Lower Upper
97 100
99 65.1 52.9 79.3
61 40.6 33.8 50.8

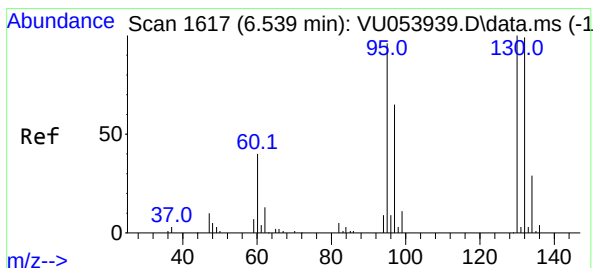
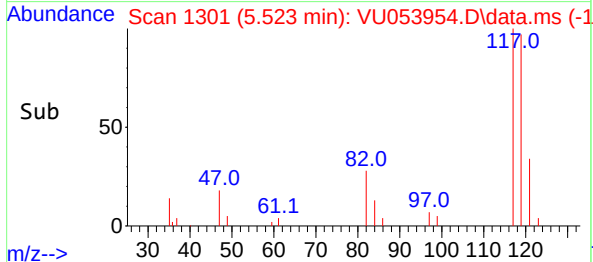
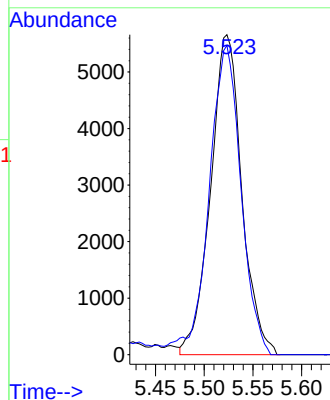
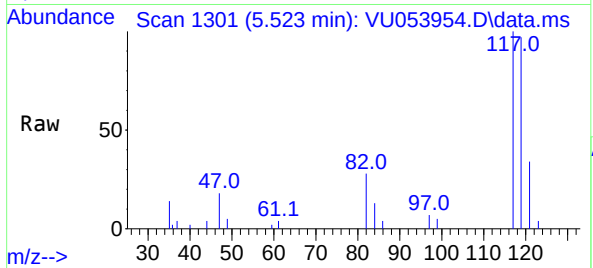




#31
Carbon tetrachloride
Concen: 0.987 ug/L
RT: 5.523 min Scan# 1170
Delta R.T. 0.003 min
Lab File: VU053954.D
Acq: 27 Apr 2023 22:53

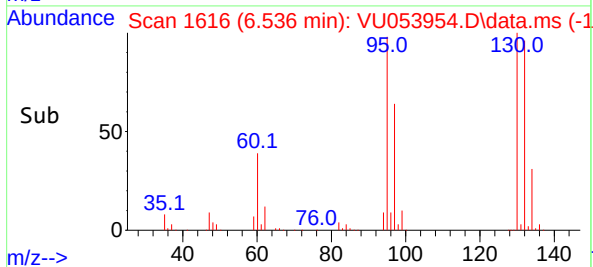
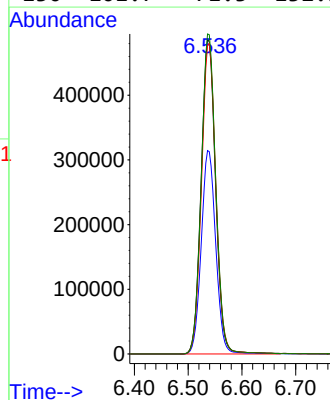
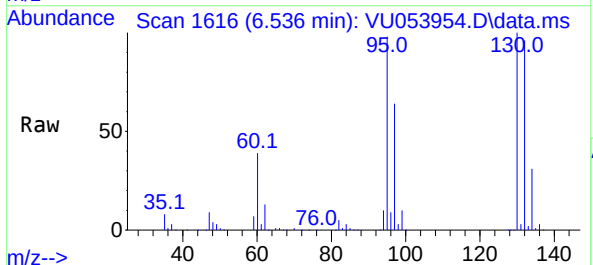
Instrument :
MSVOA_U
ClientSampleId :
HOA33

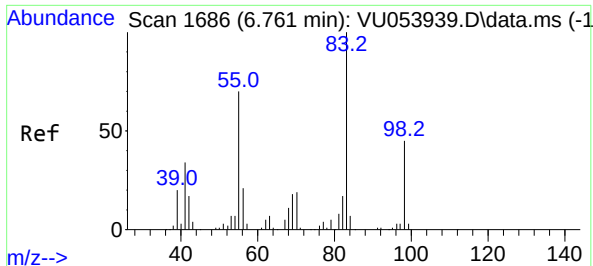
Tgt Ion:117 Resp: 12612
Ion Ratio Lower Upper
117 100
119 98.7 75.0 112.6



#34
Trichloroethene
Concen: 90.516 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU053954.D
Acq: 27 Apr 2023 22:53

Tgt Ion: 95 Resp: 909293
Ion Ratio Lower Upper
95 100
97 64.6 45.1 83.9
132 98.0 69.9 129.9
130 101.7 71.3 132.3





#35

Methylcyclohexane

Concen: 0.643 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.071 min

Lab File: VU053954.D

Acq: 27 Apr 2023 22:53

Instrument :

MSVOA_U

ClientSampleId :

HOA33

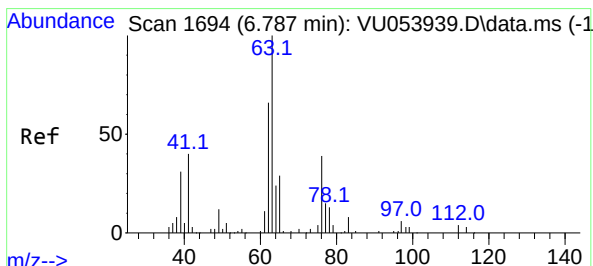
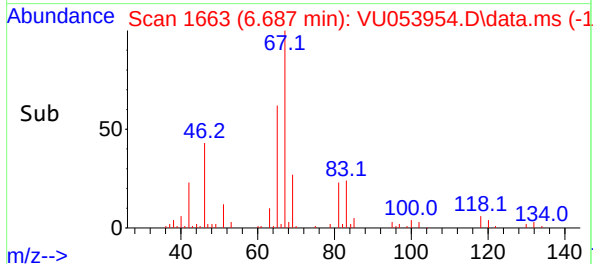
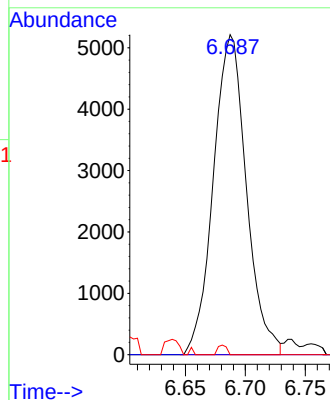
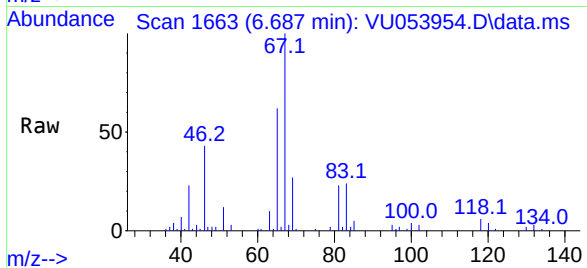
Tgt Ion: 83 Resp: 9975

Ion Ratio Lower Upper

83 100

55 0.0 55.4 83.2#

98 0.0 37.3 55.9#



#37

1,2-Dichloropropane

Concen: 0.461 ug/L

RT: 6.681 min Scan# 1661

Delta R.T. -0.106 min

Lab File: VU053954.D

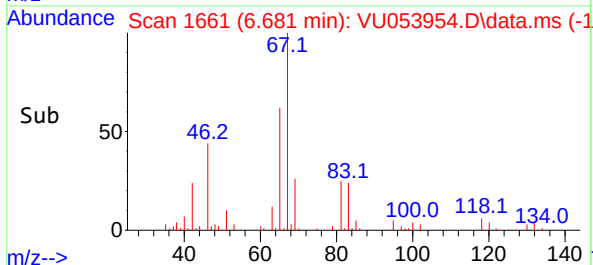
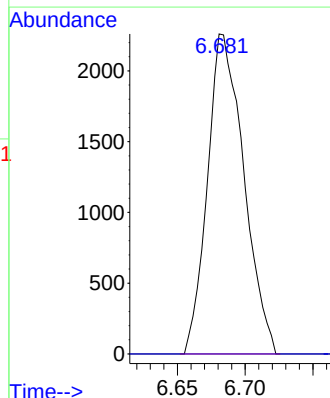
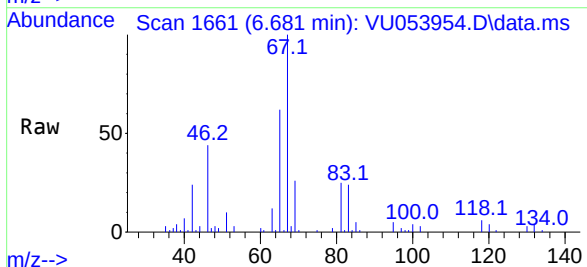
Acq: 27 Apr 2023 22:53

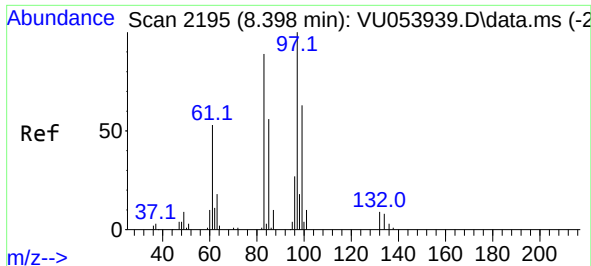
Tgt Ion: 63 Resp: 4217

Ion Ratio Lower Upper

63 100

112 0.0 3.5 5.3#



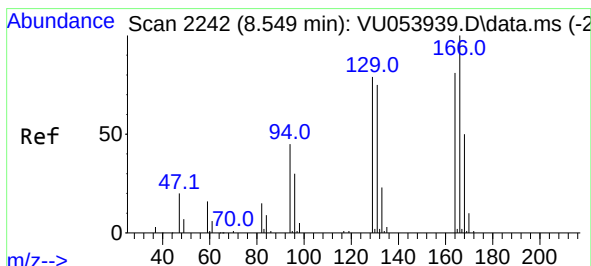
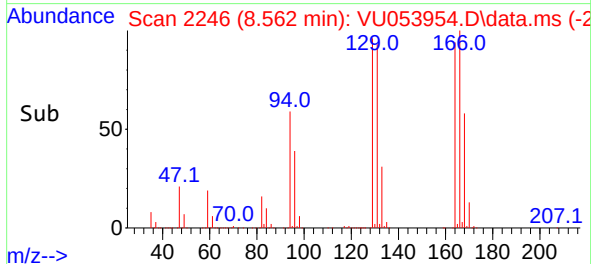
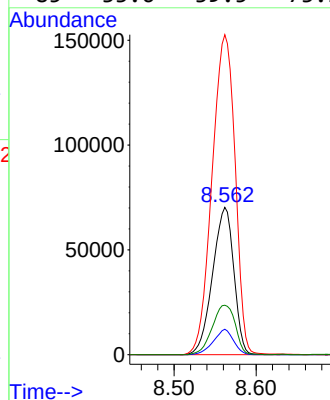
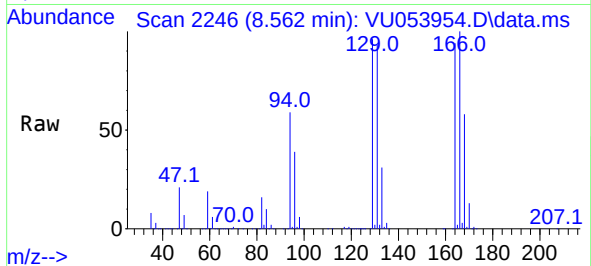


#45
1,1,2-Trichloroethane
Concen: 18.477 ug/L
RT: 8.562 min Scan# 2195
Delta R.T. 0.167 min
Lab File: VU053954.D
Acq: 27 Apr 2023 22:53

Instrument :
MSVOA_U
ClientSampleId :
HOA33

Tgt Ion: 97 Resp: 126662

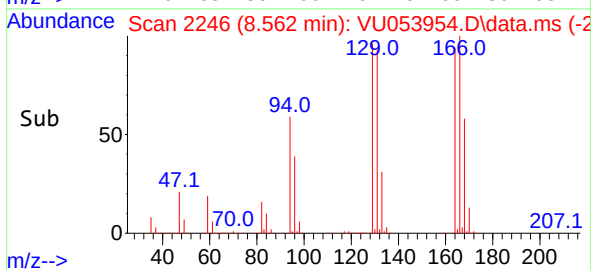
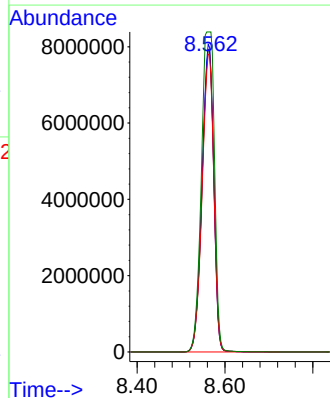
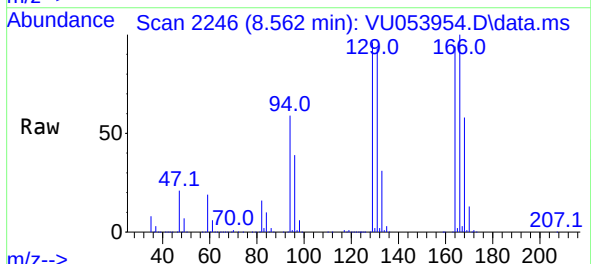
Ion	Ratio	Lower	Upper
97	100		
99	17.3	44.7	83.1#
83	217.0	59.8	111.1#
85	33.6	39.5	73.3#

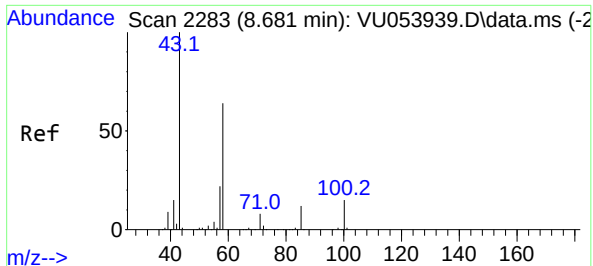


#47
Tetrachloroethene
Concen: 1852.524 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. 0.013 min
Lab File: VU053954.D
Acq: 27 Apr 2023 22:53

Tgt Ion: 164 Resp: 14749978

Ion	Ratio	Lower	Upper
164	100		
129	101.8	68.3	126.8
131	98.6	64.4	119.6
166	105.9	88.3	163.9



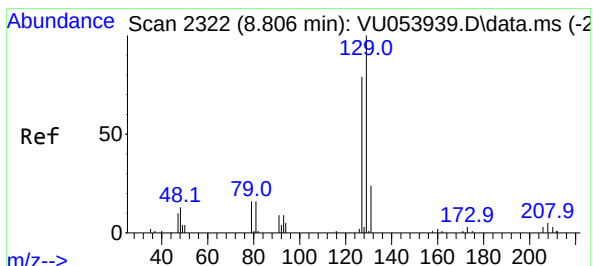
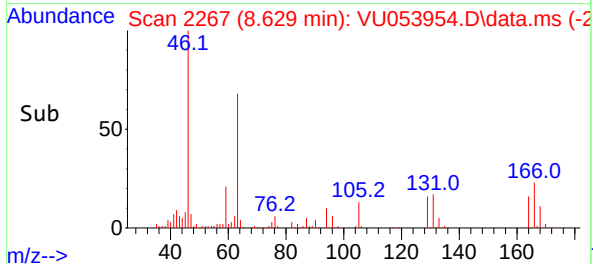
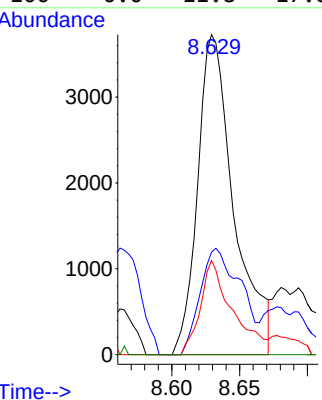
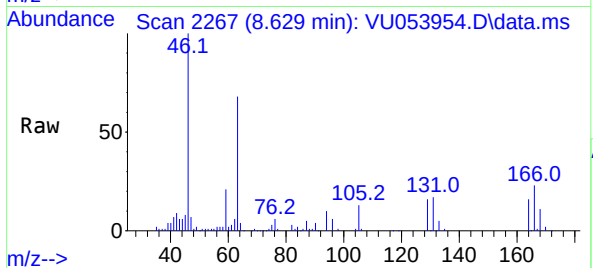


#48
2-Hexanone
Concen: 2.216 ug/L
RT: 8.629 min Scan# 21
Delta R.T. -0.051 min
Lab File: VU053954.D
Acq: 27 Apr 2023 22:53

Instrument :
MSVOA_U
ClientSampleId :
HOA33

Tgt Ion: 43 Resp: 6949

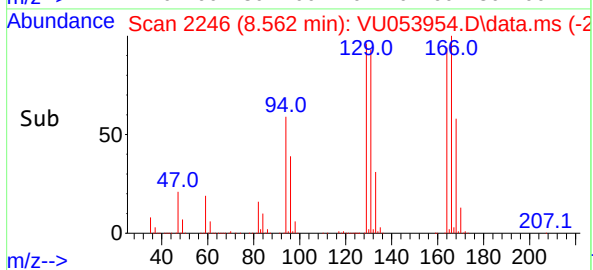
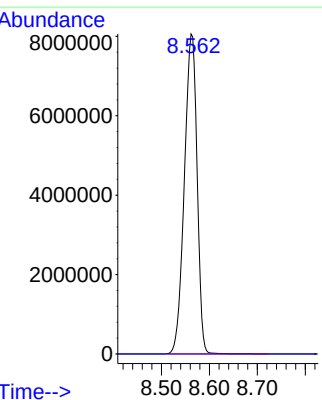
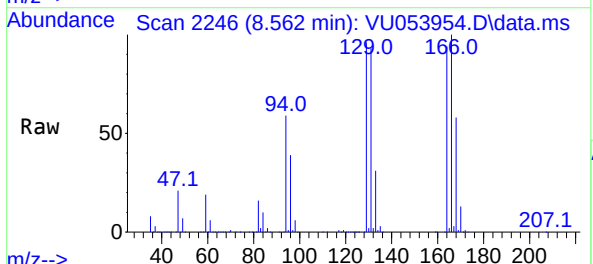
Ion	Ratio	Lower	Upper
43	100		
58	37.7	49.8	74.6#
57	25.8	16.9	25.3#
100	0.0	11.8	17.8#

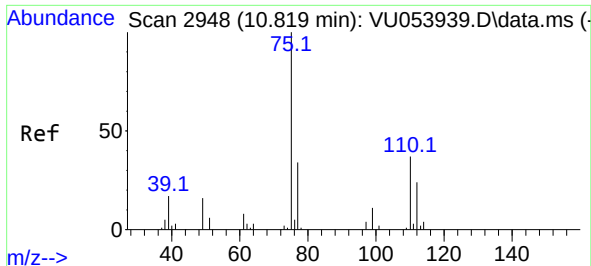


#49
Dibromochloromethane
Concen: 2041.619 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. -0.244 min
Lab File: VU053954.D
Acq: 27 Apr 2023 22:53

Tgt Ion: 129 Resp: 14819368

Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.7	103.5#

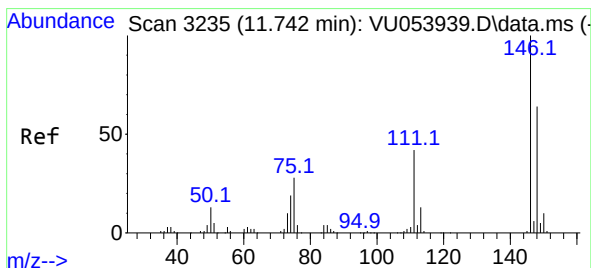
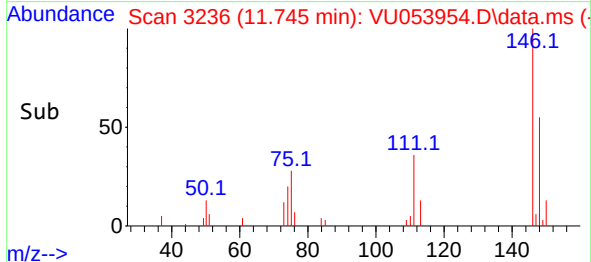
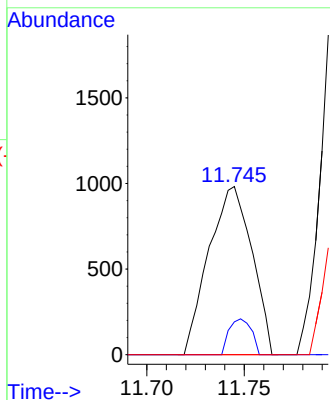
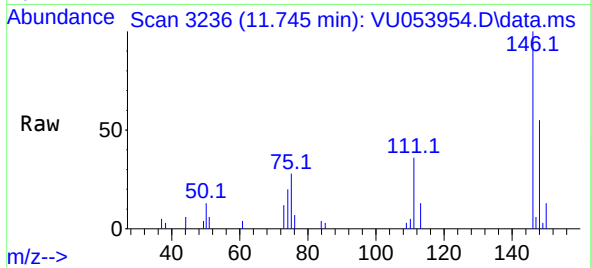




#61
1,2,3-Trichloropropane
Concen: 0.303 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.926 min
Lab File: VU053954.D
Acq: 27 Apr 2023 22:53

Instrument :
MSVOA_U
ClientSampleId :
HOA33

Tgt Ion: 75 Resp: 1513
Ion Ratio Lower Upper
75 100
110 11.0 30.7 46.1#
77 0.0 26.2 39.4#



#64
1,3-Dichlorobenzene
Concen: 0.285 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.003 min
Lab File: VU053954.D
Acq: 27 Apr 2023 22:53

Tgt Ion:146 Resp: 5555
Ion Ratio Lower Upper
146 100
111 36.3 27.9 51.9
148 55.5 43.7 81.1

