

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032823\
 Data File : VU053453.D
 Acq On : 28 Mar 2023 23:19
 Operator : JC/MD
 Sample : 02037-02DL 250X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E45E5DL

Quant Time: Mar 29 04:18:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 29 02:16:14 2023
 Response via : Initial Calibration

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

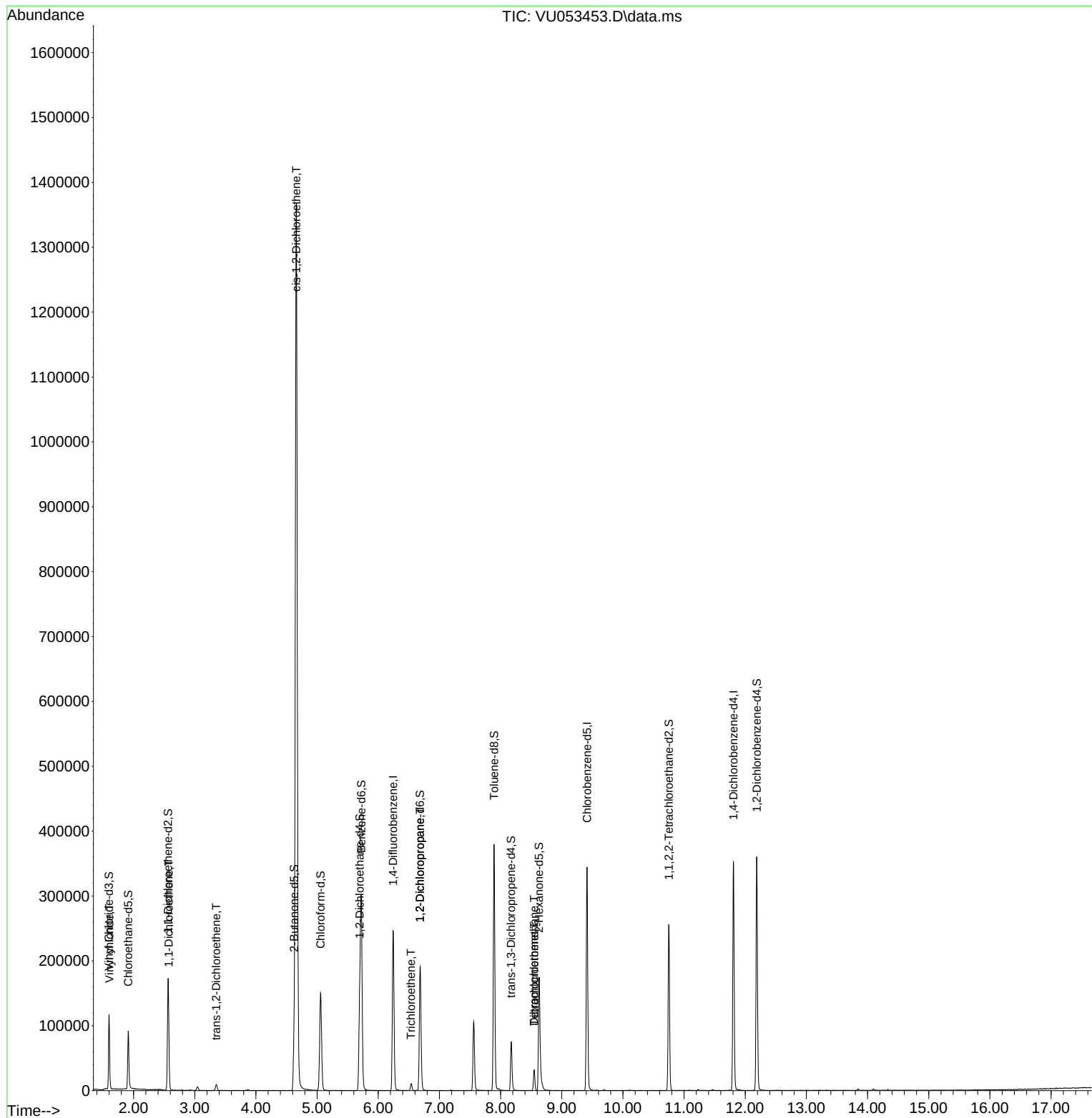
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	200414	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	186212	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	89998	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	78302	42.350	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	84.700%		
7) Chloroethane-d5	1.912	69	65587	43.854	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	87.700%		
11) 1,1-Dichloroethene-d2	2.565	63	102910	32.130	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	64.260%		
21) 2-Butanone-d5	4.626	46	105716	123.278	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	123.280%		
24) Chloroform-d	5.057	84	136099	44.691	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.380%		
26) 1,2-Dichloroethane-d4	5.697	65	89481	47.313	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.620%		
32) Benzene-d6	5.722	84	272224	45.071	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.140%		
36) 1,2-Dichloropropane-d6	6.684	67	93275	47.850	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.700%		
41) Toluene-d8	7.893	98	245579	43.672	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.340%		
43) trans-1,3-Dichloroprop...	8.173	79	41259	42.899	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	85.800%		
47) 2-Hexanone-d5	8.629	63	57999	95.169	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	95.170%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	124648	49.361	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	98.720%		
66) 1,2-Dichlorobenzene-d4	12.188	152	90877	52.150	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	104.300%		
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	6414	3.042	ug/L #	65
12) 1,1-Dichloroethene	2.575	96	1530	1.040	ug/L #	1
17) trans-1,2-Dichloroethene	3.350	96	3886	2.602	ug/L	92
20) cis-1,2-Dichloroethene	4.661	96	687065	391.705	ug/L	98
34) Trichloroethene	6.536	95	3410	2.026	ug/L	91
37) 1,2-Dichloropropane	6.684	63	9915	5.505	ug/L #	90
46) Tetrachloroethene	8.549	164	6549	5.980	ug/L	92
49) Dibromochloromethane	8.549	129	6446	3.842	ug/L #	12

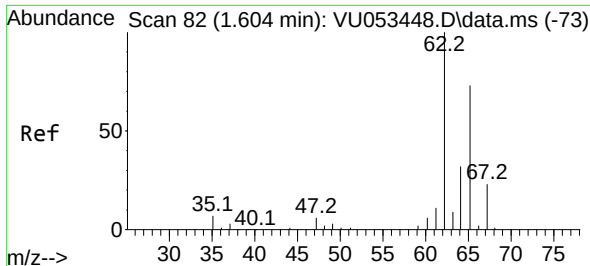
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032823\
Data File : VU053453.D
Acq On : 28 Mar 2023 23:19
Operator : JC/MD
Sample : 02037-02DL 250X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E45E5DL

Quant Time: Mar 29 04:18:25 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 29 02:16:14 2023
Response via : Initial Calibration

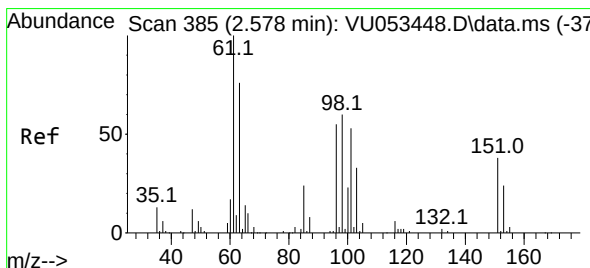
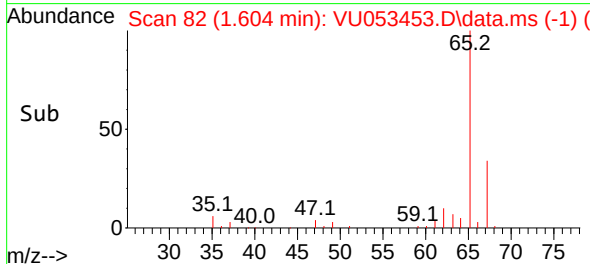
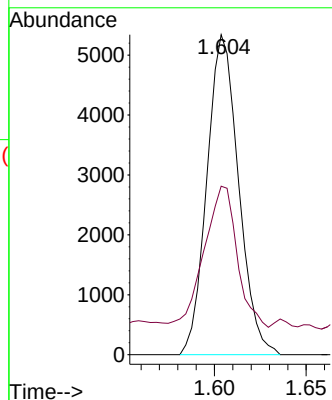
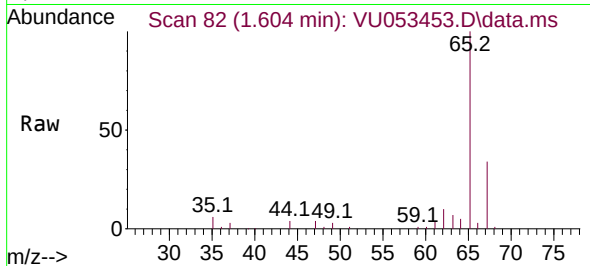




#5
 Vinyl chloride
 Concen: 3.042 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU053453.D
 Acq: 28 Mar 2023 23:19

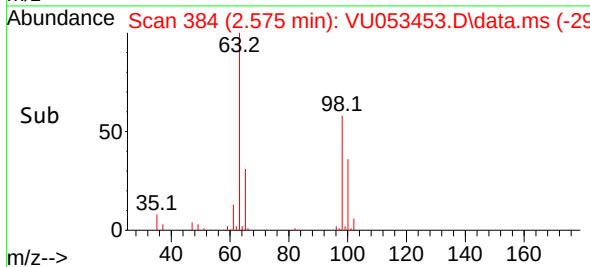
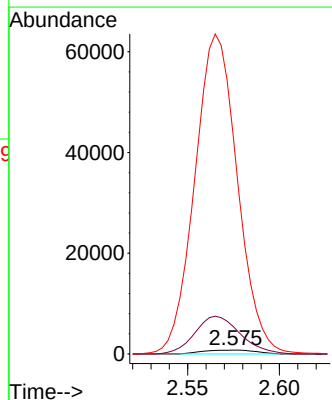
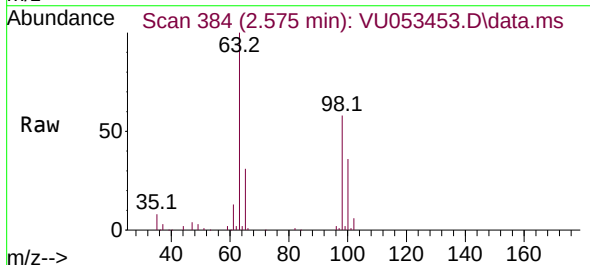
Instrument :
 MSVOA_U
 ClientSampleId :
 E45E5DL

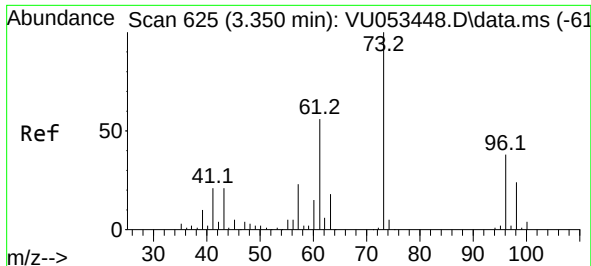
Tgt Ion: 62 Resp: 6414
 Ion Ratio Lower Upper
 62 100
 64 52.7 23.2 43.0#



#12
 1,1-Dichloroethene
 Concen: 1.040 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU053453.D
 Acq: 28 Mar 2023 23:19

Tgt Ion: 96 Resp: 1530
 Ion Ratio Lower Upper
 96 100
 61 727.1 122.2 226.9#
 63 5787.3 89.9 166.9#





#17

trans-1,2-Dichloroethene

Concen: 2.602 ug/L

RT: 3.350 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU053453.D

Acq: 28 Mar 2023 23:19

Instrument :

MSVOA_U

ClientSampleId :

E45E5DL

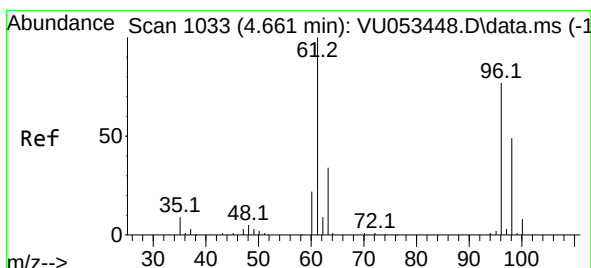
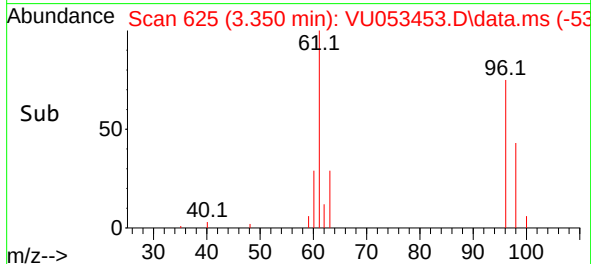
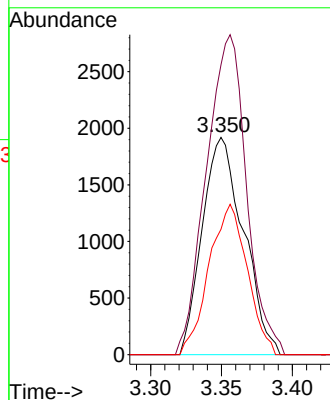
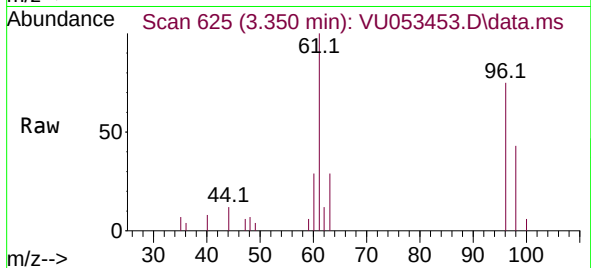
Tgt Ion: 96 Resp: 3886

Ion Ratio Lower Upper

96 100

61 133.4 99.6 185.0

98 57.7 45.5 84.5



#20

cis-1,2-Dichloroethene

Concen: 391.705 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VU053453.D

Acq: 28 Mar 2023 23:19

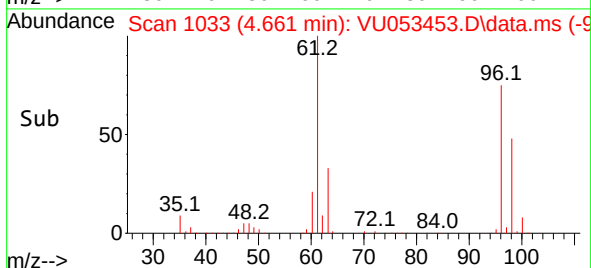
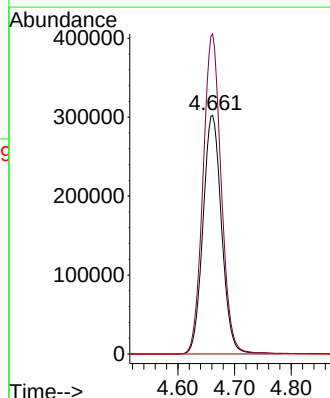
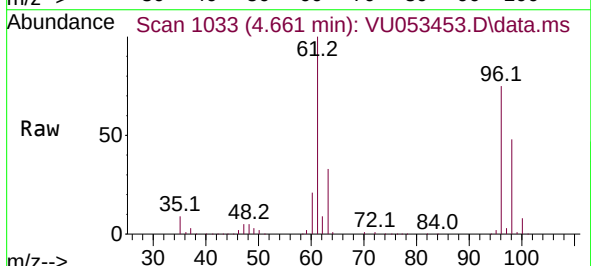
Tgt Ion: 96 Resp: 687065

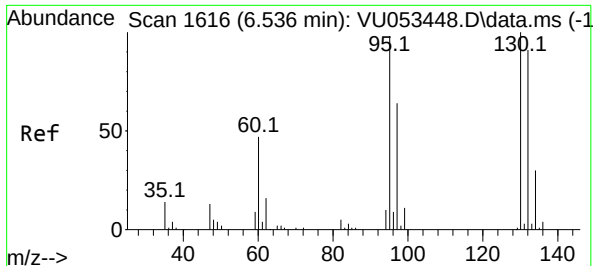
Ion Ratio Lower Upper

96 100

61 134.1 92.5 171.7

68 0.0 0.0 0.0

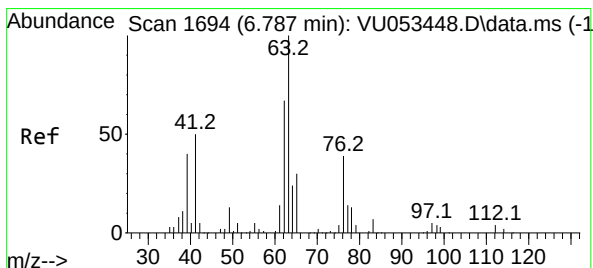
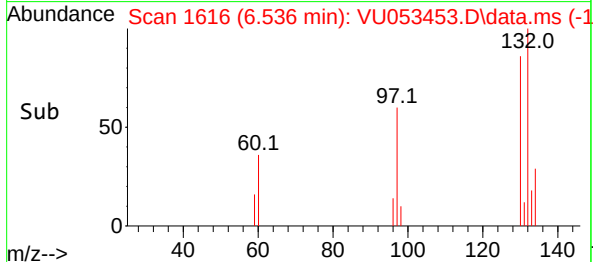
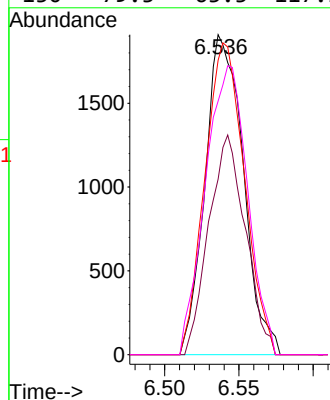
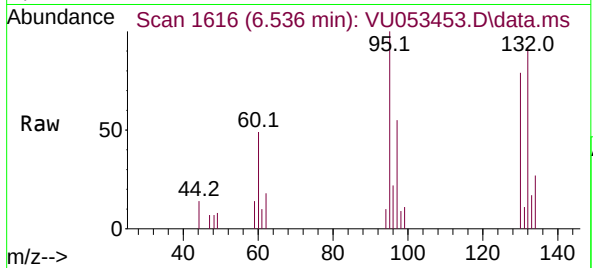




#34
Trichloroethene
Concen: 2.026 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.000 min
Lab File: VU053453.D
Acq: 28 Mar 2023 23:19

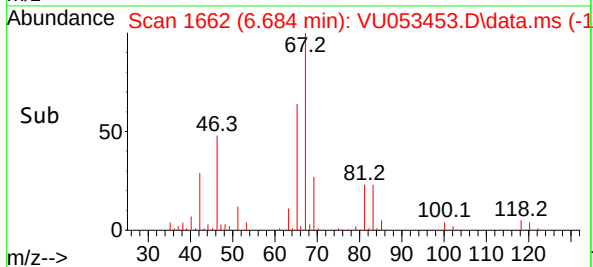
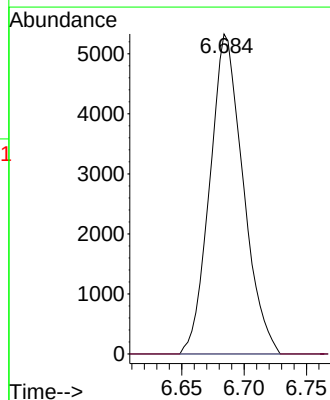
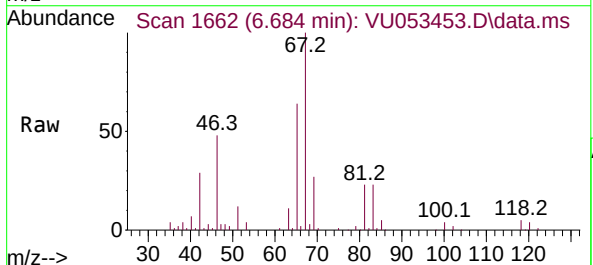
Instrument :
MSVOA_U
ClientSampleId :
E45E5DL

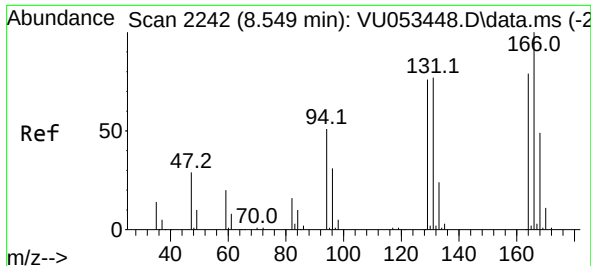
Tgt Ion: 95 Resp: 3410
Ion Ratio Lower Upper
95 100
97 54.8 43.8 81.3
132 92.0 61.5 114.3
130 79.3 63.3 117.5



#37
1,2-Dichloropropane
Concen: 5.505 ug/L
RT: 6.684 min Scan# 1662
Delta R.T. -0.103 min
Lab File: VU053453.D
Acq: 28 Mar 2023 23:19

Tgt Ion: 63 Resp: 9915
Ion Ratio Lower Upper
63 100
112 0.0 2.6 3.8#



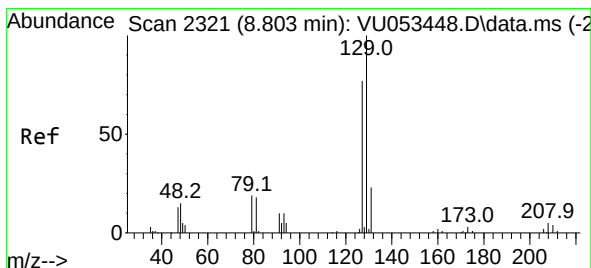
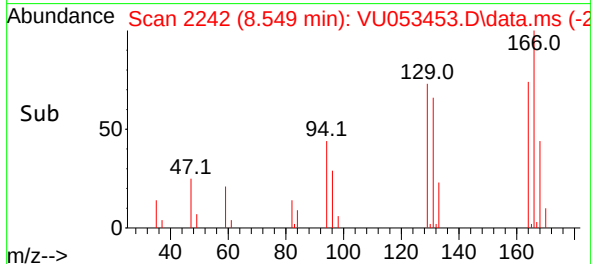
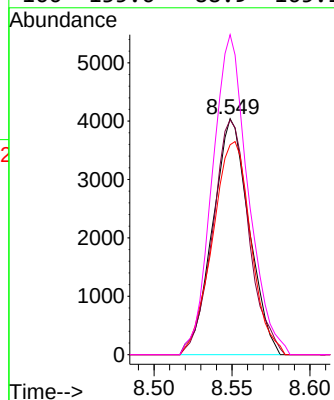
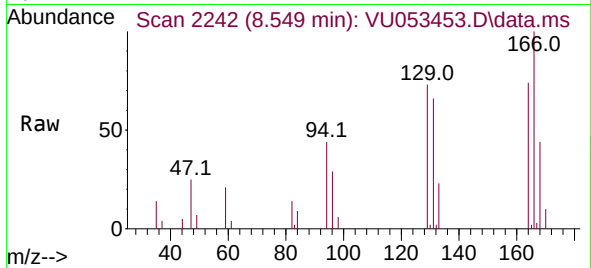


#46
Tetrachloroethene
Concen: 5.980 ug/L
RT: 8.549 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053453.D
Acq: 28 Mar 2023 23:19

Instrument :
MSVOA_U
ClientSampleId :
E45E5DL

Tgt Ion:164 Resp: 6549

Ion	Ratio	Lower	Upper
164	100		
129	99.5	73.6	136.8
131	88.9	70.3	130.7
166	135.6	88.9	165.1



#49
Dibromochloromethane
Concen: 3.842 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.254 min
Lab File: VU053453.D
Acq: 28 Mar 2023 23:19

Tgt Ion:129 Resp: 6446

Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.1	98.5#

