

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061523\
 Data File : VU054553.D
 Acq On : 16 Jun 2023 03:10
 Operator : MD/SY
 Sample : 03232-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CONL2

Quant Time: Jun 16 04:25:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jun 14 00:05:43 2023
 Response via : Initial Calibration

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

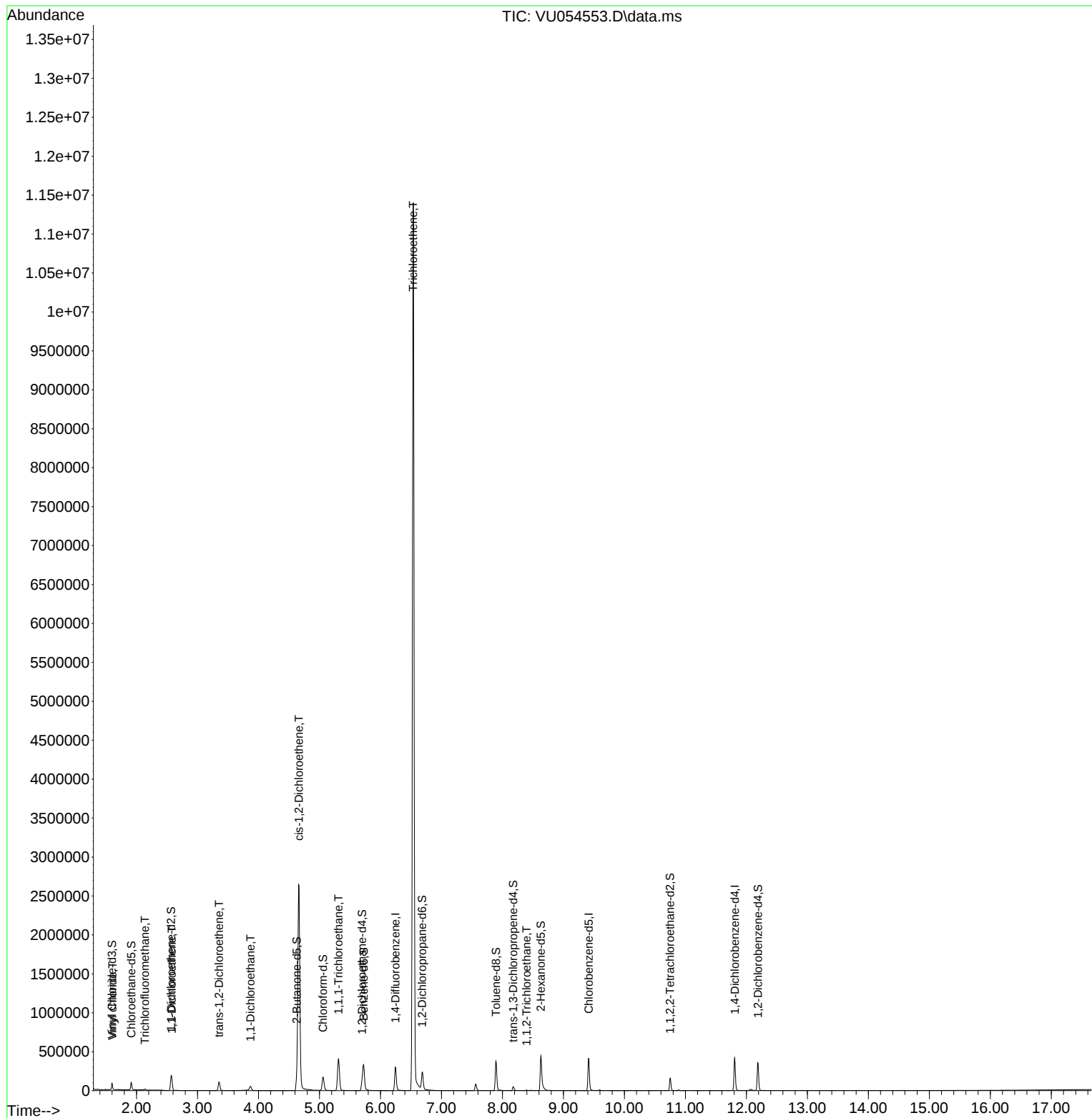
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	252939	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	241362	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	116256	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	54693	3.398	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.000%
7) Chloroethane-d5	1.914	69	73379	4.869	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.400%
11) 1,1-Dichloroethene-d2	2.566	65	26568	3.695	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.000%
20) 2-Butanone-d5	4.627	46	233396	51.569	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.140%
24) Chloroform-d	5.058	84	164328	4.884	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.600%
26) 1,2-Dichloroethane-d4	5.698	65	82415	5.025	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.400%
32) Benzene-d6	5.724	84	315768	4.706	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.200%
36) 1,2-Dichloropropane-d6	6.685	67	111818	4.990	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.800%
41) Toluene-d8	7.894	98	258360	4.339	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.800%
43) trans-1,3-Dichloroprop...	8.177	79	31530	4.047	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.000%
46) 2-Hexanone-d5	8.630	63	154083	47.135	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.260%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	83194	4.979	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.600%
66) 1,2-Dichlorobenzene-d4	12.190	152	101435	5.173	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.400%
Target Compounds						
5) Vinyl chloride	1.605	62	4947	0.178	ug/L #	6
9) Trichlorofluoromethane	2.139	101	7765	0.227	ug/L	92
12) 1,1-Dichloroethene	2.579	96	32863	1.791	ug/L #	66
18) trans-1,2-Dichloroethene	3.354	96	45521	2.403	ug/L	97
19) 1,1-Dichloroethane	3.869	63	66688	1.701	ug/L	99
22) cis-1,2-Dichloroethene	4.663	96	1386377	64.273	ug/L	95
29) 1,1,1-Trichloroethane	5.312	97	301739	9.219	ug/L	99
34) Trichloroethene	6.537	95	3987377	173.832	ug/L	97
45) 1,1,2-Trichloroethane	8.396	97	2176	0.146	ug/L #	86

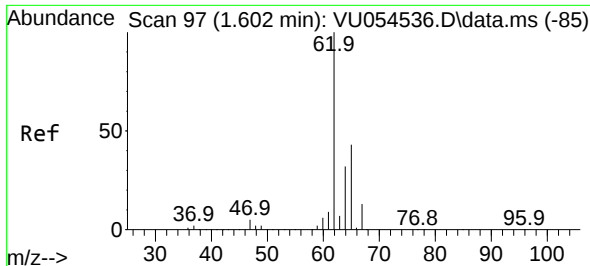
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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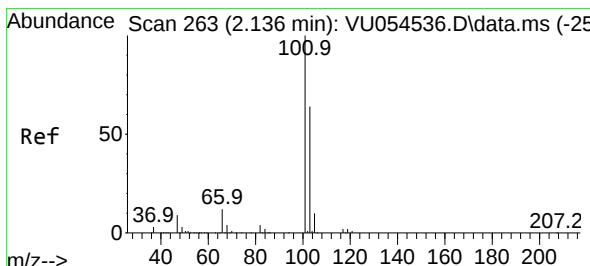
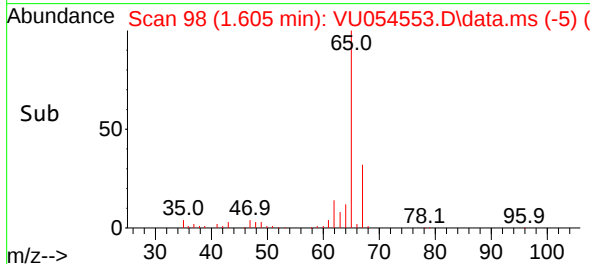
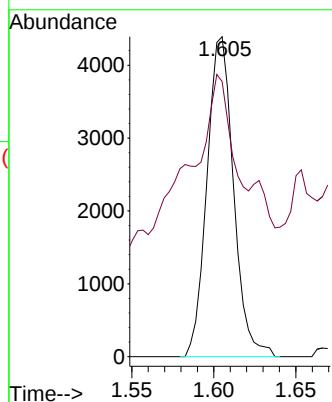
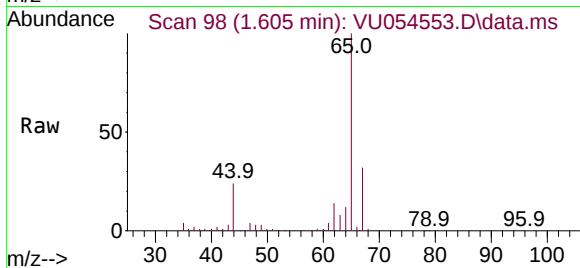




#5
 Vinyl chloride
 Concen: 0.178 ug/L
 RT: 1.605 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU054553.D
 Acq: 16 Jun 2023 03:10

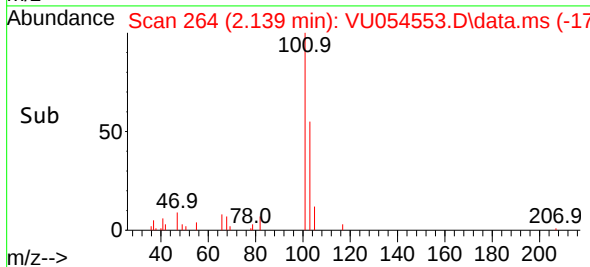
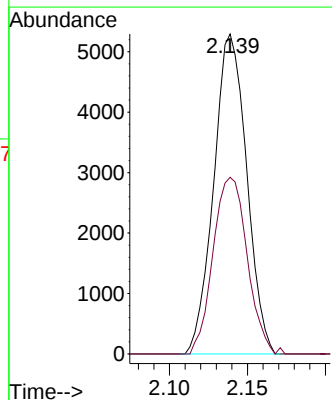
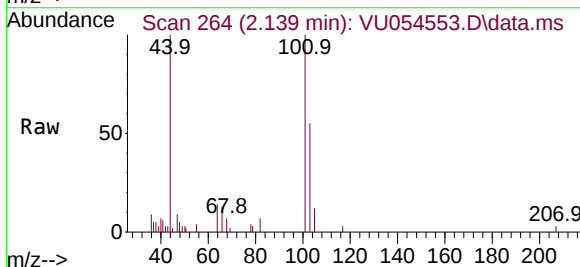
Instrument :
 MSVOA_U
 ClientSampleId :
 CONL2

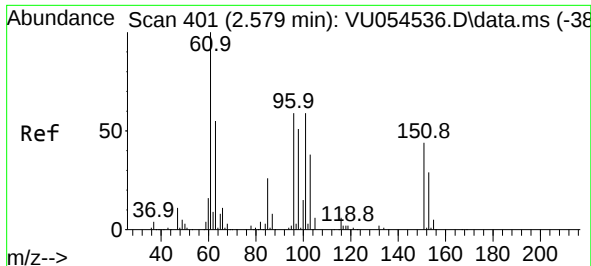
Tgt Ion: 62 Resp: 4947
 Ion Ratio Lower Upper
 62 100
 64 86.0 23.0 42.6#



#9
 Trichlorofluoromethane
 Concen: 0.227 ug/L
 RT: 2.139 min Scan# 264
 Delta R.T. -0.000 min
 Lab File: VU054553.D
 Acq: 16 Jun 2023 03:10

Tgt Ion: 101 Resp: 7765
 Ion Ratio Lower Upper
 101 100
 103 57.3 50.6 75.8

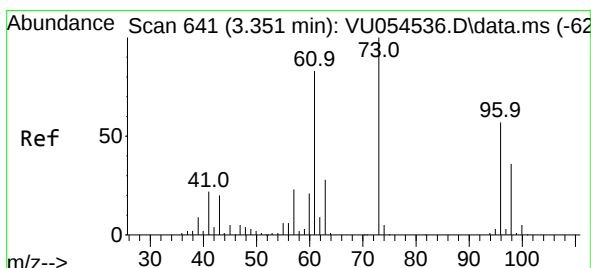
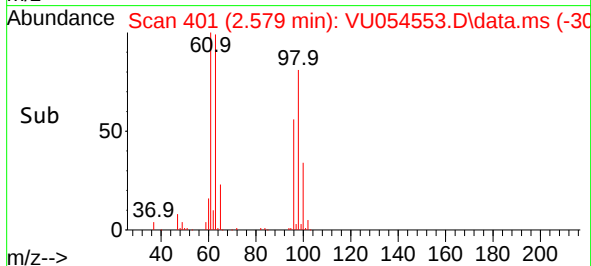
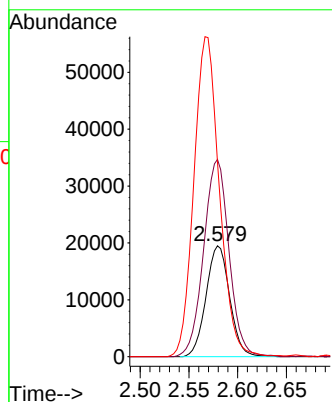
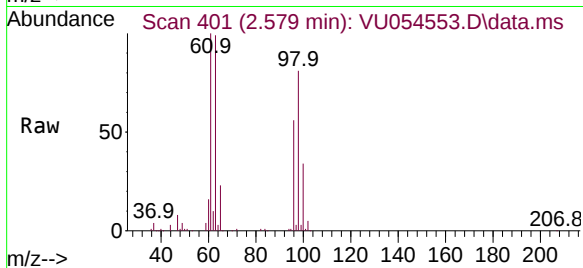




#12
1,1-Dichloroethene
Concen: 1.791 ug/L
RT: 2.579 min Scan# 401
Delta R.T. -0.000 min
Lab File: VU054553.D
Acq: 16 Jun 2023 03:10

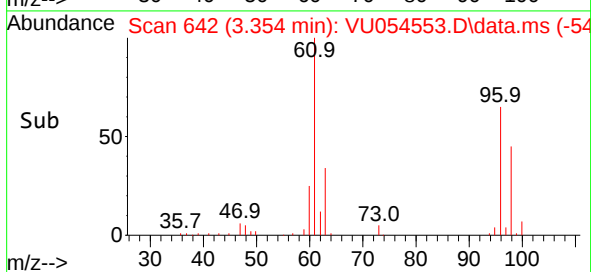
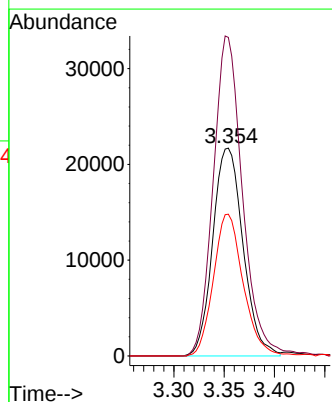
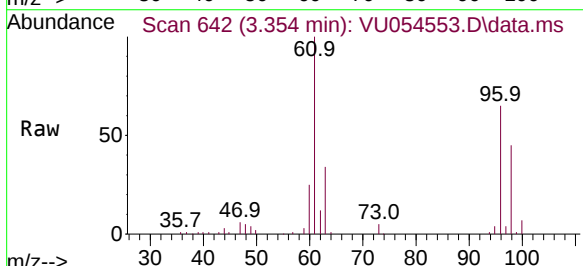
Instrument :
MSVOA_U
ClientSampleId :
CONL2

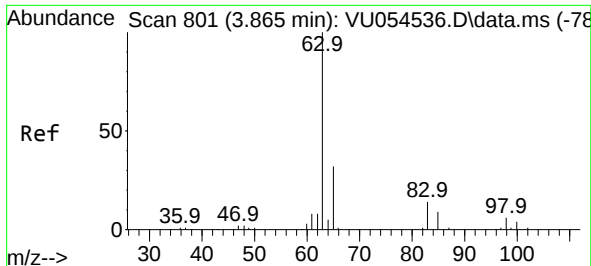
Tgt Ion: 96 Resp: 32863
Ion Ratio Lower Upper
96 100
61 177.9 119.9 222.7
63 175.2 64.3 119.3#



#18
trans-1,2-Dichloroethene
Concen: 2.403 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU054553.D
Acq: 16 Jun 2023 03:10

Tgt Ion: 96 Resp: 45521
Ion Ratio Lower Upper
96 100
61 153.2 104.6 194.2
98 68.2 45.4 84.4





#19

1,1-Dichloroethane

Concen: 1.701 ug/L

RT: 3.869 min Scan# 801

Delta R.T. 0.003 min

Lab File: VU054553.D

Acq: 16 Jun 2023 03:10

Instrument :

MSVOA_U

ClientSampleId :

CONL2

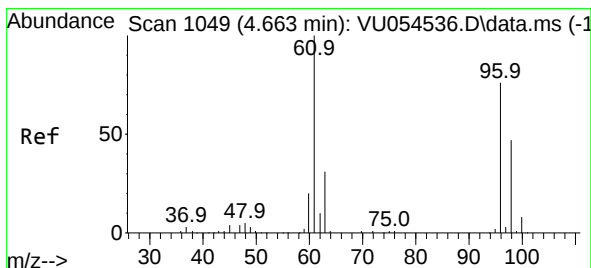
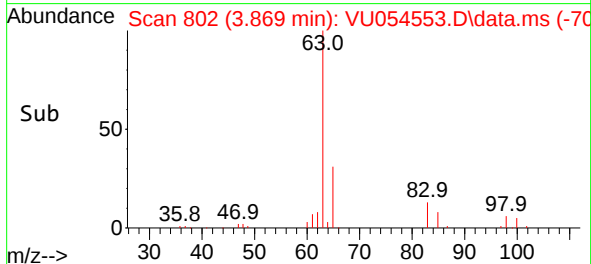
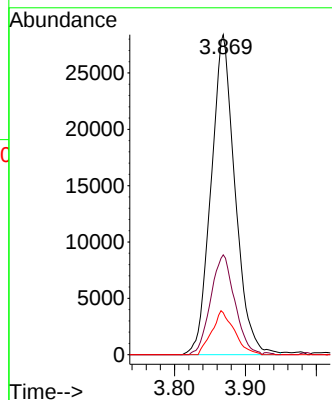
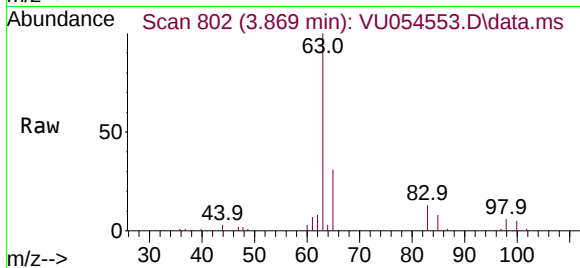
Tgt Ion: 63 Resp: 66688

Ion Ratio Lower Upper

63 100

65 31.2 22.2 41.2

83 13.1 9.0 16.6



#22

cis-1,2-Dichloroethene

Concen: 64.273 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. -0.000 min

Lab File: VU054553.D

Acq: 16 Jun 2023 03:10

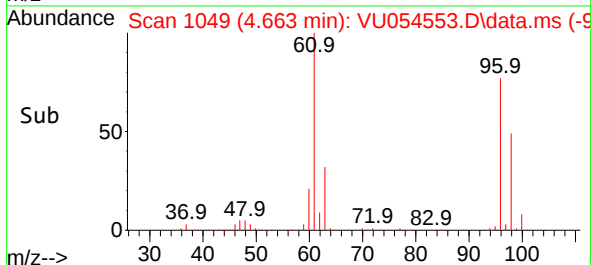
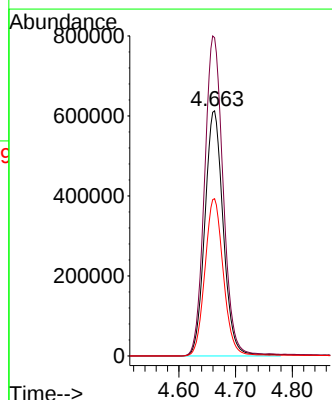
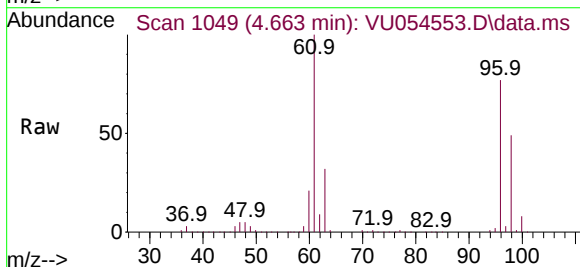
Tgt Ion: 96 Resp: 1386377

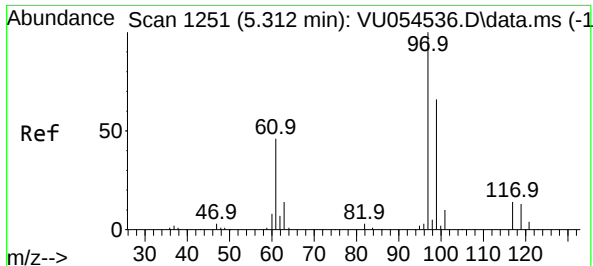
Ion Ratio Lower Upper

96 100

61 129.8 96.5 179.1

98 64.2 44.9 83.3





#29

1,1,1-Trichloroethane

Concen: 9.219 ug/L

RT: 5.312 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU054553.D

Acq: 16 Jun 2023 03:10

Instrument :

MSVOA_U

ClientSampleId :

CONL2

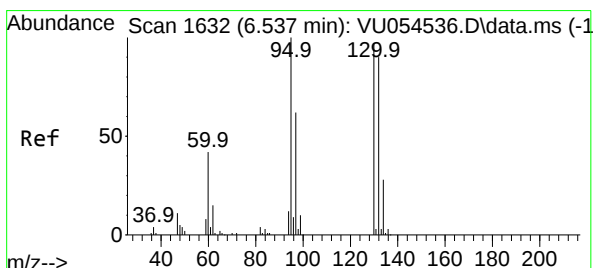
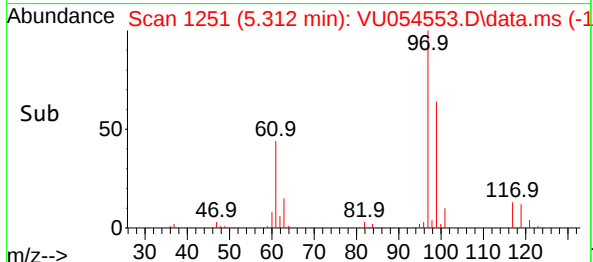
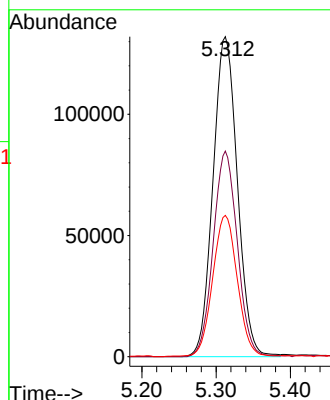
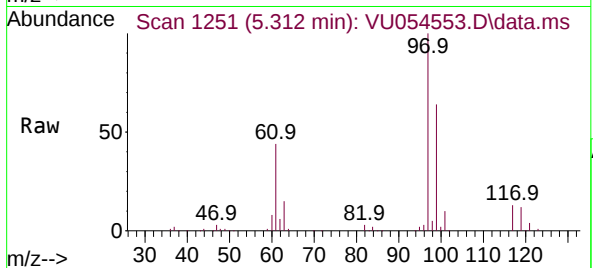
Tgt Ion: 97 Resp: 301739

Ion Ratio Lower Upper

97 100

99 63.5 50.8 76.2

61 44.1 36.1 54.1



#34

Trichloroethene

Concen: 173.832 ug/L

RT: 6.537 min Scan# 1632

Delta R.T. -0.003 min

Lab File: VU054553.D

Acq: 16 Jun 2023 03:10

Tgt Ion: 95 Resp: 3987377

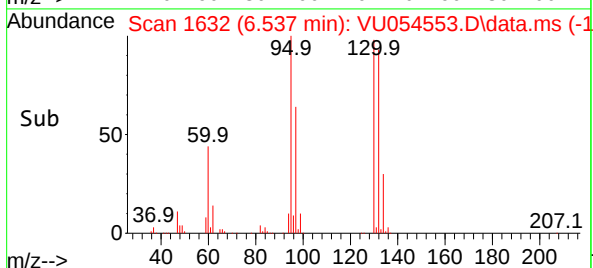
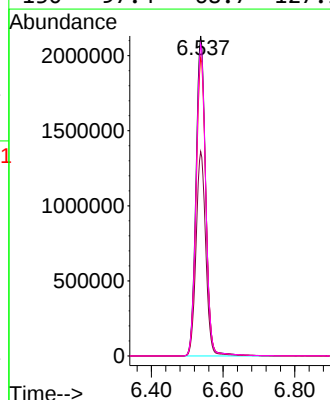
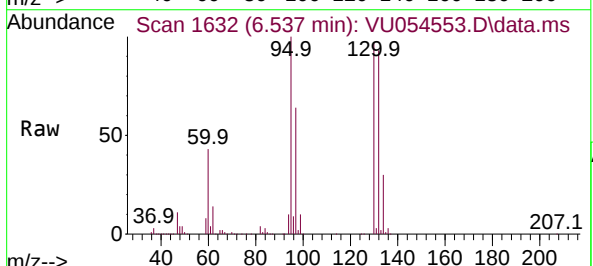
Ion Ratio Lower Upper

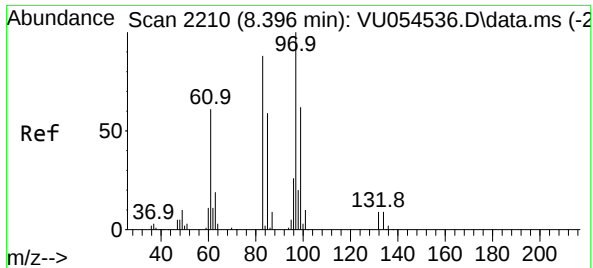
95 100

97 63.8 46.8 87.0

132 93.2 68.4 127.0

130 97.4 68.7 127.5





#45
 1,1,2-Trichloroethane
 Concen: 0.146 ug/L
 RT: 8.396 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU054553.D
 Acq: 16 Jun 2023 03:10

Instrument :
 MSVOA_U
 ClientSampleId :
 CONL2

Tgt Ion:	97	Resp:	2176
Ion	Ratio	Lower	Upper
97	100		
99	59.6	43.0	80.0
83	77.1	63.8	118.6
85	40.5	41.3	76.7#

