

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120722\
 Data File : VU052200.D
 Acq On : 07 Dec 2022 16:40
 Operator : JC/MD
 Sample : N5930-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ87

Quant Time: Dec 08 02:01:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 08 01:59:42 2022
 Response via : Initial Calibration

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

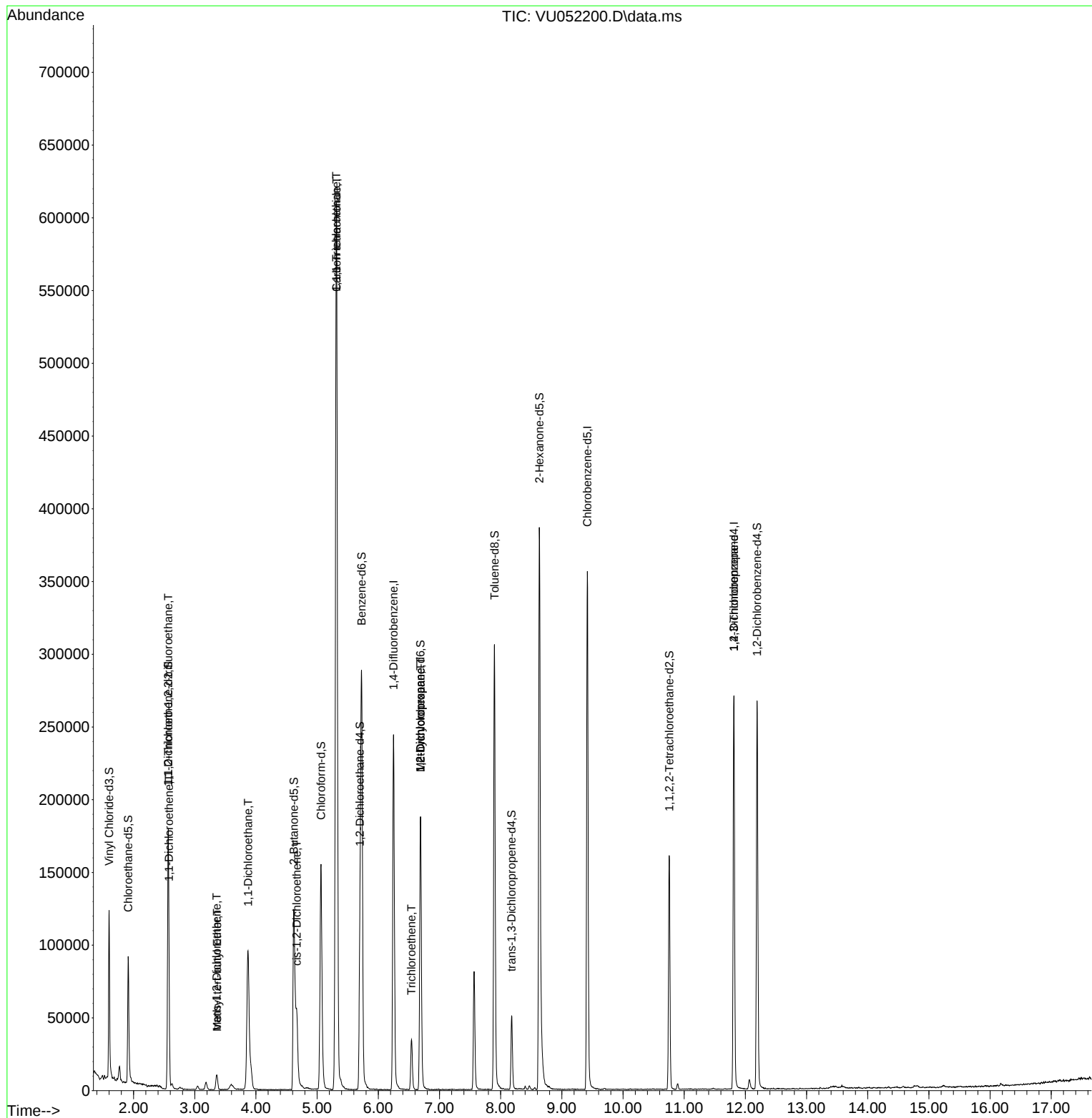
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	205783	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	211043	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	77971	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	88434	4.418	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.400%
7) Chloroethane-d5	1.912	69	75325	4.845	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.800%
11) 1,1-Dichloroethene-d2	2.565	65	32826	4.575	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.600%
20) 2-Butanone-d5	4.620	46	181013	49.890	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.780%
24) Chloroform-d	5.063	84	146442	4.979	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.600%
26) 1,2-Dichloroethane-d4	5.700	65	76037	5.119	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.400%
32) Benzene-d6	5.726	84	291891	4.659	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.200%
36) 1,2-Dichloropropane-d6	6.690	67	95910	4.946	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.000%
41) Toluene-d8	7.899	98	218123	3.848	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.000%
43) trans-1,3-Dichloroprop...	8.179	79	29832	4.222	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.400%
46) 2-Hexanone-d5	8.632	63	131928	44.057	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.120%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	83233	4.951	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.000%
66) 1,2-Dichlorobenzene-d4	12.192	152	78194	5.238	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.800%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	1041	0.069	ug/L #	23
12) 1,1-Dichloroethene	2.578	96	6655	0.446	ug/L #	1
17) Methyl tert-butyl Ether	3.366	73	5057	0.151	ug/L	95
18) trans-1,2-Dichloroethene	3.359	96	2933	0.183	ug/L	84
19) 1,1-Dichloroethane	3.871	63	100830	3.496	ug/L	100
22) cis-1,2-Dichloroethene	4.668	96	23491	1.399	ug/L	99
29) 1,1,1-Trichloroethane	5.314	97	450044	19.221	ug/L	99
31) Carbon tetrachloride	5.317	117	62872	3.160	ug/L	99
34) Trichloroethene	6.543	95	12697	0.741	ug/L	98
35) Methylcyclohexane	6.690	83	22431	0.910	ug/L #	20
37) 1,2-Dichloropropane	6.690	63	9519	0.535	ug/L #	88
61) 1,2,3-Trichloropropane	11.812	75	8781	0.984	ug/L #	70

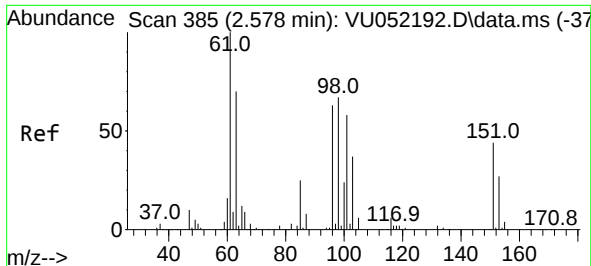
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120722\
Data File : VU052200.D
Acq On : 07 Dec 2022 16:40
Operator : JC/MD
Sample : N5930-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ87

Quant Time: Dec 08 02:01:23 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Dec 08 01:59:42 2022
Response via : Initial Calibration

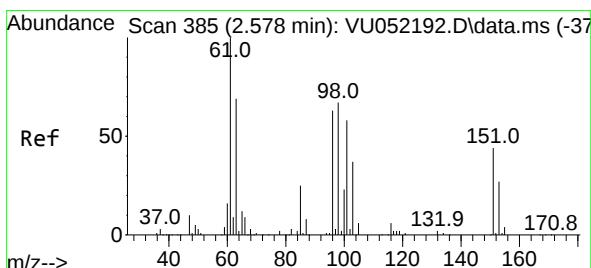
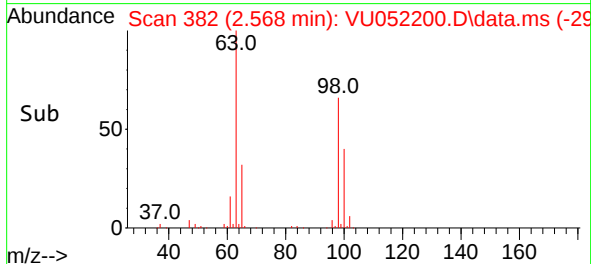
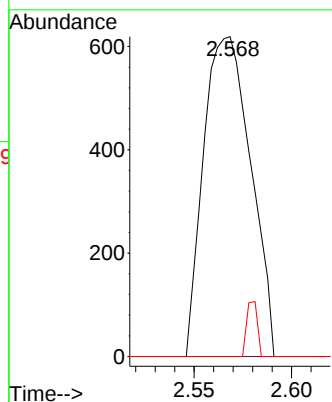
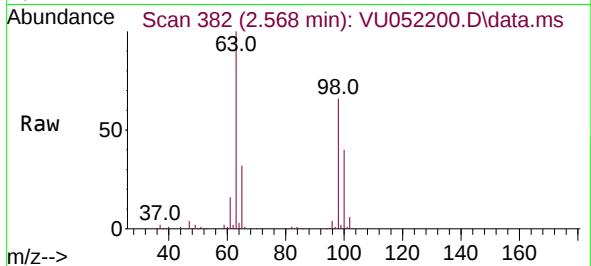




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.069 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.010 min
 Lab File: VU052200.D
 Acq: 07 Dec 2022 16:40

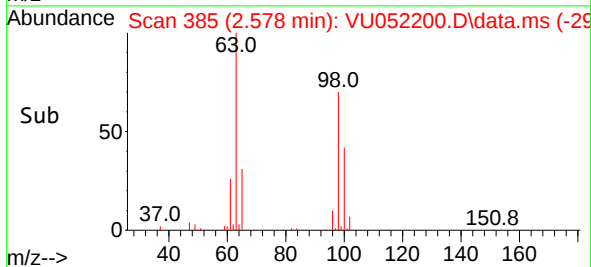
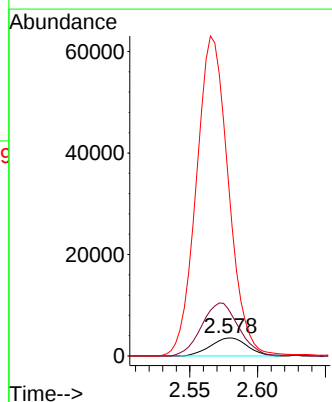
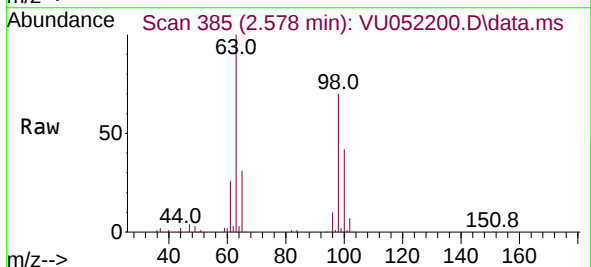
Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ87

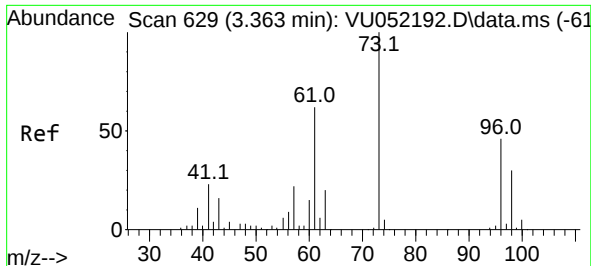
Tgt Ion:101 Resp: 1041
 Ion Ratio Lower Upper
 101 100
 85 0.0 33.8 50.6#
 151 3.8 58.6 88.0#



#12
 1,1-Dichloroethene
 Concen: 0.446 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU052200.D
 Acq: 07 Dec 2022 16:40

Tgt Ion: 96 Resp: 6655
 Ion Ratio Lower Upper
 96 100
 61 265.4 114.8 213.2#
 63 1009.3 93.7 174.1#





#17

Methyl tert-butyl Ether

Concen: 0.151 ug/L

RT: 3.366 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU052200.D

Acq: 07 Dec 2022 16:40

Instrument :

MSVOA_U

ClientSampleId :

EXZ87

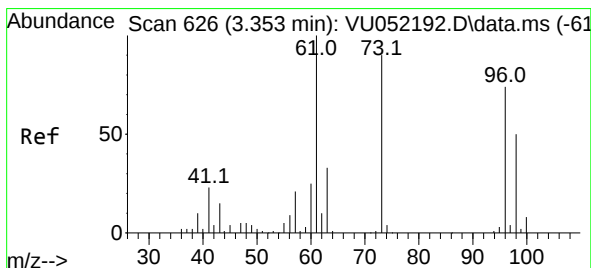
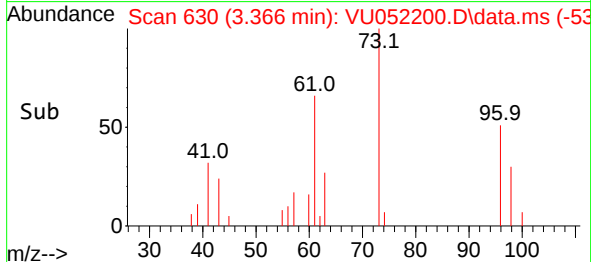
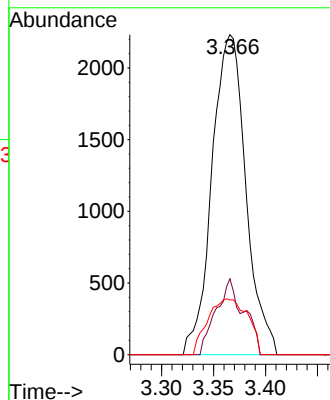
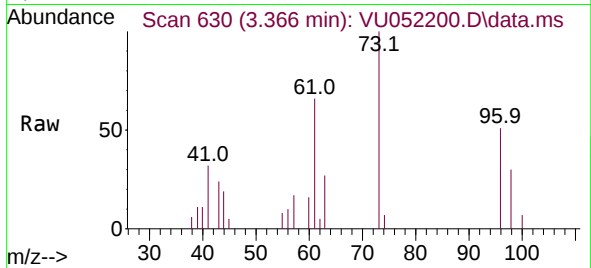
Tgt Ion: 73 Resp: 5057

Ion Ratio Lower Upper

73 100

43 19.5 13.2 19.8

57 20.4 17.8 26.8



#18

trans-1,2-Dichloroethene

Concen: 0.183 ug/L

RT: 3.359 min Scan# 628

Delta R.T. 0.006 min

Lab File: VU052200.D

Acq: 07 Dec 2022 16:40

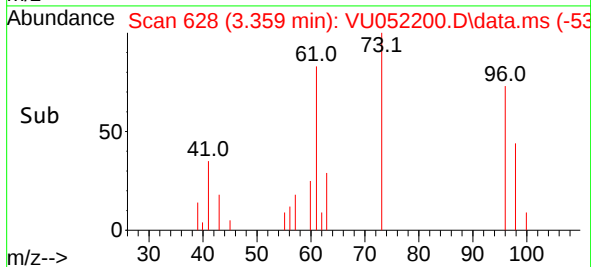
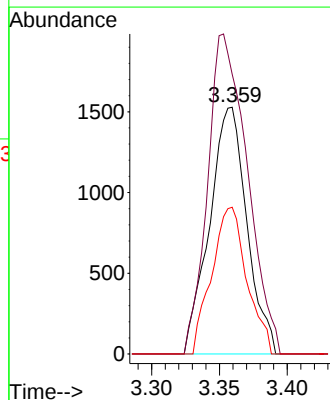
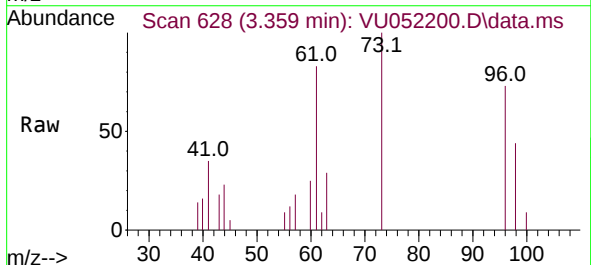
Tgt Ion: 96 Resp: 2933

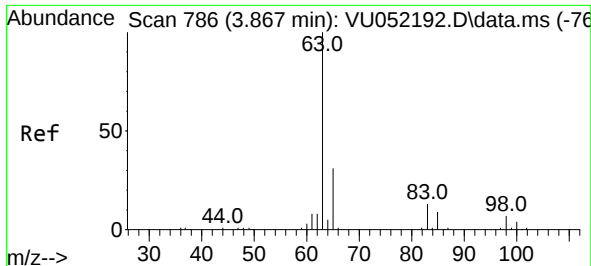
Ion Ratio Lower Upper

96 100

61 113.4 97.9 181.7

98 59.5 43.8 81.3





#19

1,1-Dichloroethane

Concen: 3.496 ug/L

RT: 3.871 min Scan# 786

Delta R.T. 0.003 min

Lab File: VU052200.D

Acq: 07 Dec 2022 16:40

Instrument :

MSVOA_U

ClientSampleId :

EXZ87

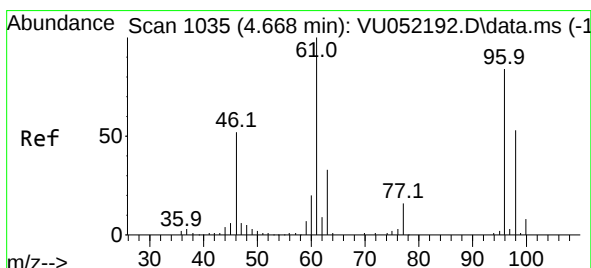
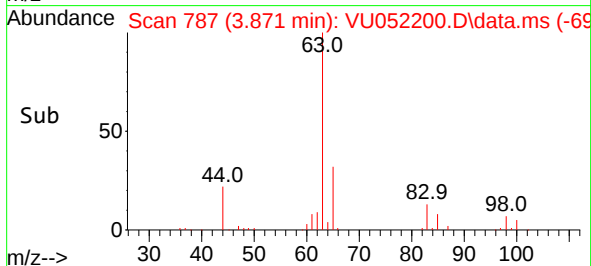
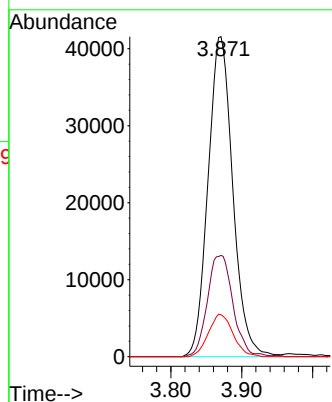
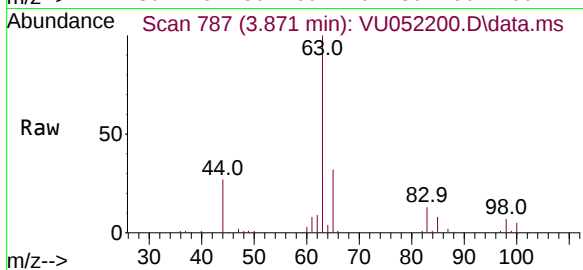
Tgt Ion: 63 Resp: 100830

Ion Ratio Lower Upper

63 100

65 31.6 22.2 41.2

83 13.1 9.2 17.0



#22

cis-1,2-Dichloroethene

Concen: 1.399 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VU052200.D

Acq: 07 Dec 2022 16:40

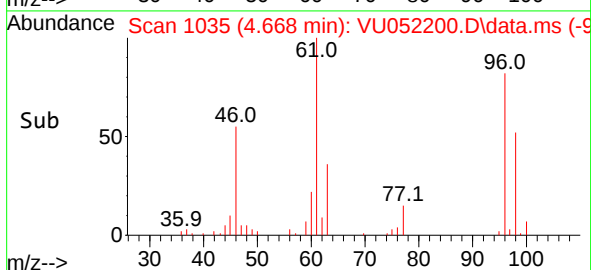
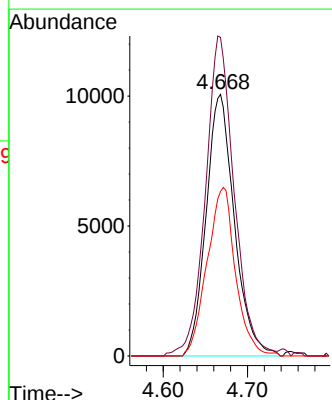
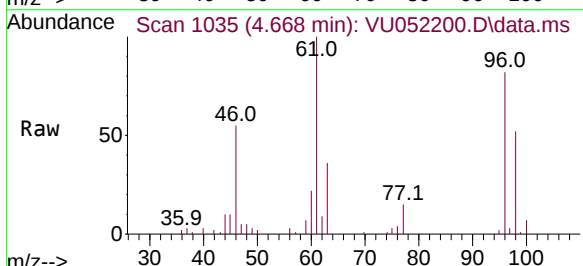
Tgt Ion: 96 Resp: 23491

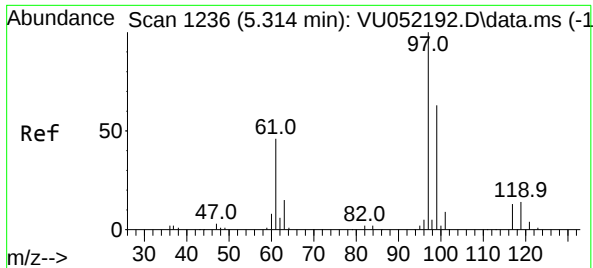
Ion Ratio Lower Upper

96 100

61 121.7 85.1 158.1

98 62.9 42.8 79.6





#29

1,1,1-Trichloroethane

Concen: 19.221 ug/L

RT: 5.314 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU052200.D

Acq: 07 Dec 2022 16:40

Instrument :

MSVOA_U

ClientSampleId :

EXZ87

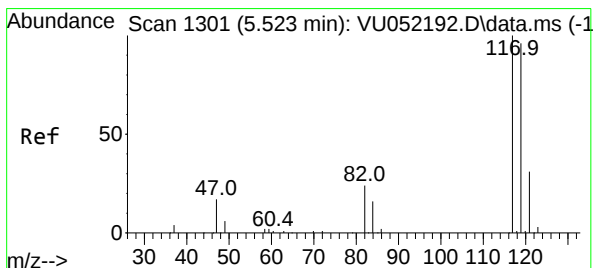
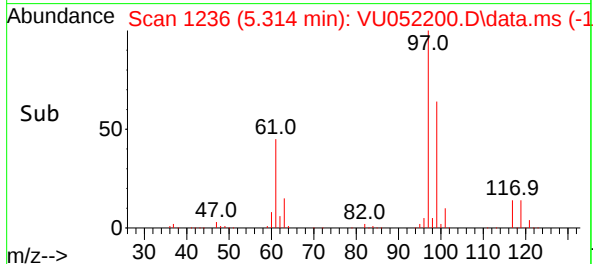
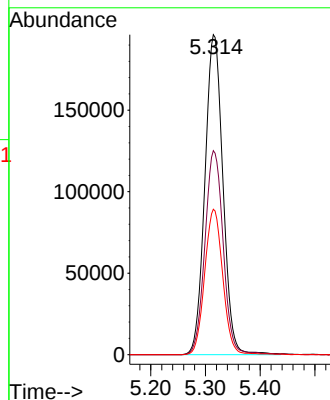
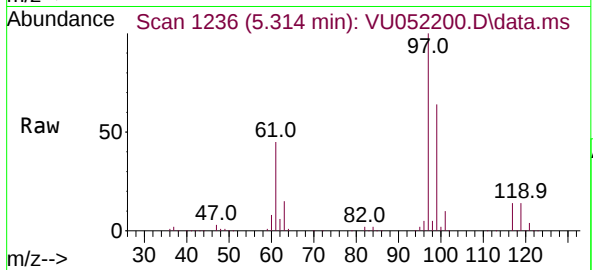
Tgt Ion: 97 Resp: 450044

Ion Ratio Lower Upper

97 100

99 64.1 51.0 76.6

61 45.5 36.9 55.3



#31

Carbon tetrachloride

Concen: 3.160 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. -0.206 min

Lab File: VU052200.D

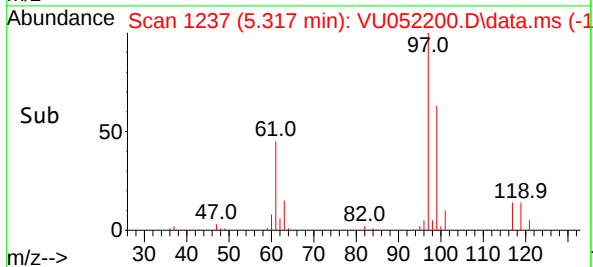
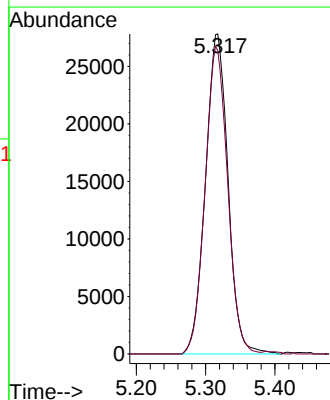
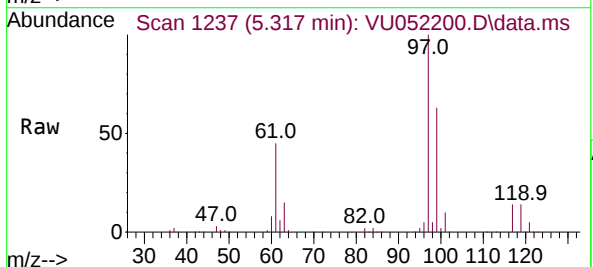
Acq: 07 Dec 2022 16:40

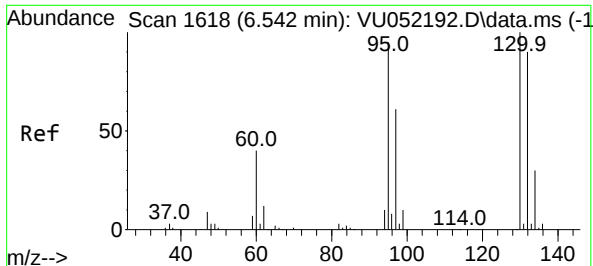
Tgt Ion: 117 Resp: 62872

Ion Ratio Lower Upper

117 100

119 95.9 77.2 115.8

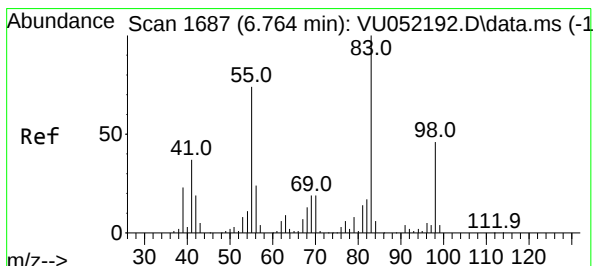
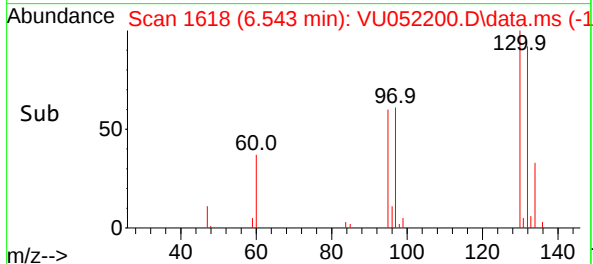
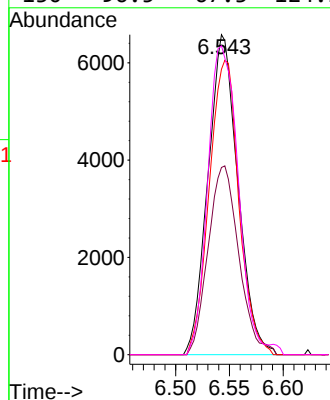
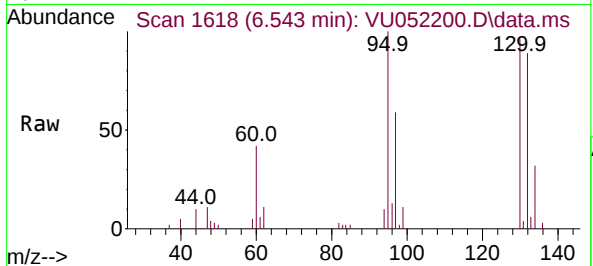




#34
Trichloroethene
Concen: 0.741 ug/L
RT: 6.543 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU052200.D
Acq: 07 Dec 2022 16:40

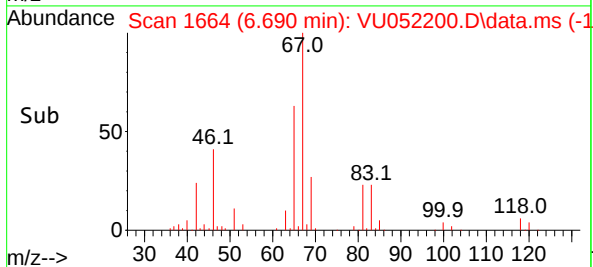
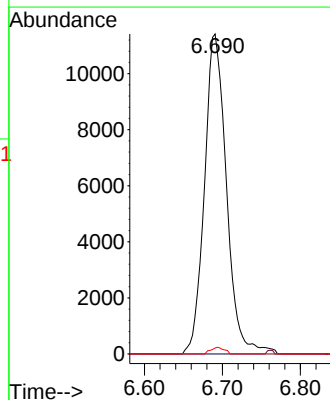
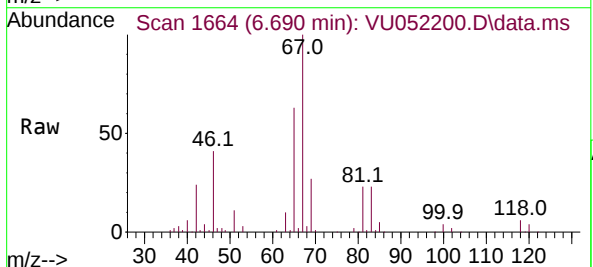
Instrument :
MSVOA_U
ClientSampleId :
EXZ87

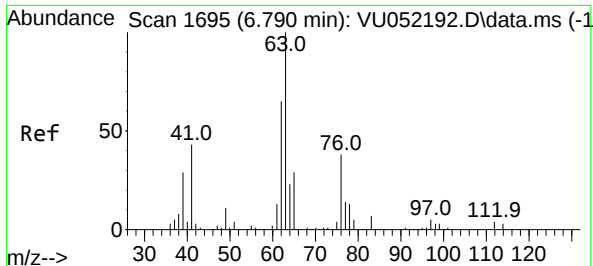
Tgt Ion: 95 Resp: 12697
Ion Ratio Lower Upper
95 100
97 58.5 43.7 81.1
132 89.2 64.3 119.3
130 96.5 67.3 124.9



#35
Methylcyclohexane
Concen: 0.910 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.074 min
Lab File: VU052200.D
Acq: 07 Dec 2022 16:40

Tgt Ion: 83 Resp: 22431
Ion Ratio Lower Upper
83 100
55 0.3 60.8 91.2#
98 1.3 35.1 52.7#





#37

1,2-Dichloropropane

Concen: 0.535 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU052200.D

Acq: 07 Dec 2022 16:40

Instrument :

MSVOA_U

ClientSampleId :

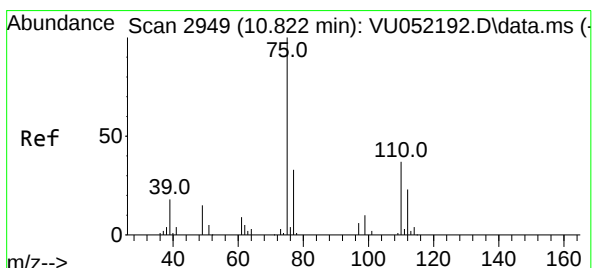
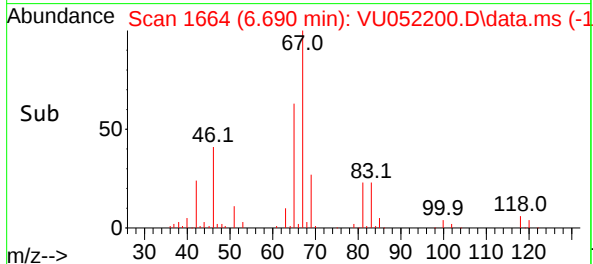
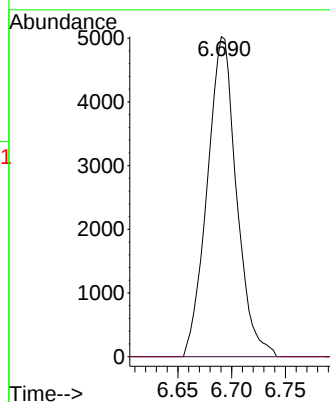
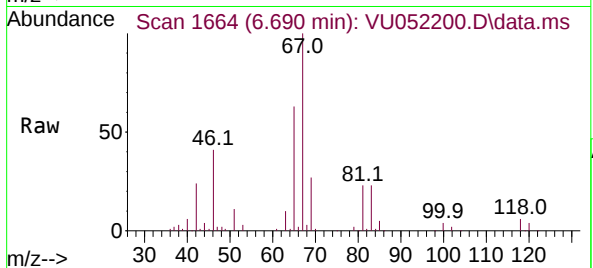
EXZ87

Tgt Ion: 63 Resp: 9519

Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#



#61

1,2,3-Trichloropropane

Concen: 0.984 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.990 min

Lab File: VU052200.D

Acq: 07 Dec 2022 16:40

Tgt Ion: 75 Resp: 8781

Ion Ratio Lower Upper

75 100

110 2.4 28.3 42.5#

77 32.0 26.2 39.2

