

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111323\
 Data File : VU056272.D
 Acq On : 13 Nov 2023 23:43
 Operator : MD/SY
 Sample : 05371-13RE
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

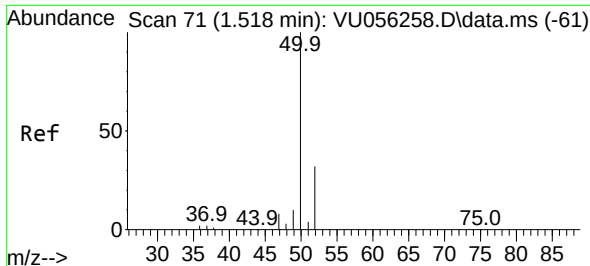
Instrument :
 MSVOA_U
 ClientSampleId :
 GCDP0RE

Quant Time: Nov 14 21:46:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 14 00:08:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	300335	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	293068	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	137879	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	64313	2.863	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	57.200%
7) Chloroethane-d5	1.911	69	56635	3.288	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	65.800%
11) 1,1-Dichloroethene-d2	2.563	65	31338	3.161	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.200%
20) 2-Butanone-d5	4.624	46	178428	39.833	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.660%
24) Chloroform-d	5.055	84	150469	3.463	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	69.200%#
26) 1,2-Dichloroethane-d4	5.695	65	73519	3.662	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.200%
32) Benzene-d6	5.721	84	291921	3.343	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	66.800%#
36) 1,2-Dichloropropane-d6	6.685	67	95806	3.641	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	72.800%
41) Toluene-d8	7.894	98	251559	3.263	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	65.200%#
43) trans-1,3-Dichloroprop...	8.177	79	32823	3.252	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	65.000%
46) 2-Hexanone-d5	8.627	63	144636	36.466	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	72.940%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	69089	3.674	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	73.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	92764	3.642	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	72.800%#
Target Compounds						Qvalue
3) Chloromethane	1.515	50	9304	0.383	ug/L	95
5) Vinyl chloride	1.602	62	24245	1.035	ug/L	93
8) Chloroethane	1.930	64	4104	0.287	ug/L	89
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	3847	0.192	ug/L	85
13) Acetone	2.634	43	262090	68.698	ug/L	100
17) Methyl tert-butyl Ether	3.361	73	5999	0.134	ug/L #	46
21) 2-Butanone	4.711	43	62843	12.694	ug/L	98
22) cis-1,2-Dichloroethene	4.663	96	17046	0.795	ug/L	98
33) Benzene	5.772	78	61128	0.731	ug/L	100
34) Trichloroethene	6.537	95	150298	6.597	ug/L	98
47) Tetrachloroethene	8.547	164	212747	13.847	ug/L	98

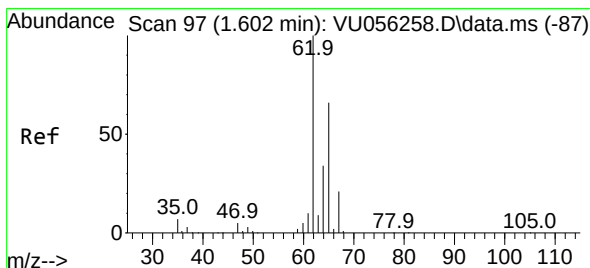
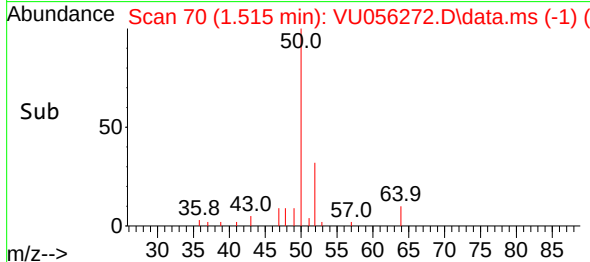
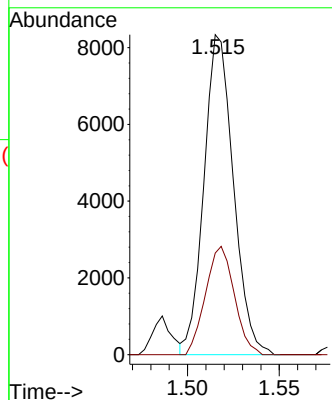
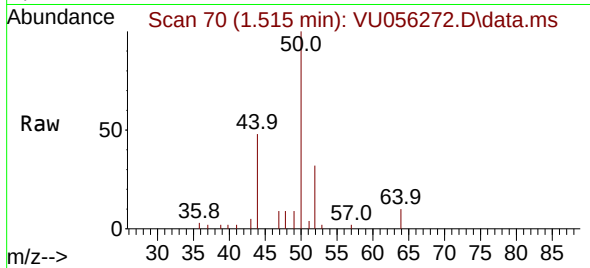
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#3
Chloromethane
Concen: 0.383 ug/L
RT: 1.515 min Scan# 71
Delta R.T. -0.003 min
Lab File: VU056272.D
Acq: 13 Nov 2023 23:43

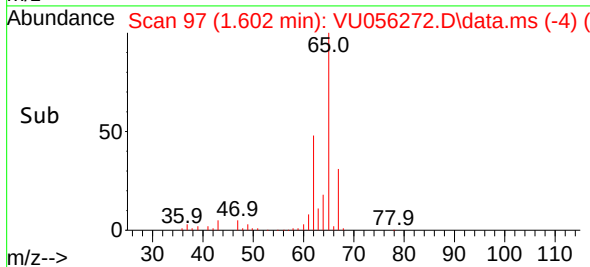
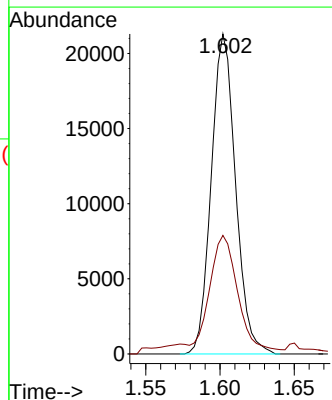
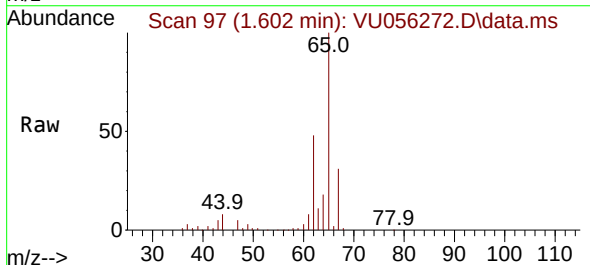
Instrument :
MSVOA_U
ClientSampleId :
GCDP0RE

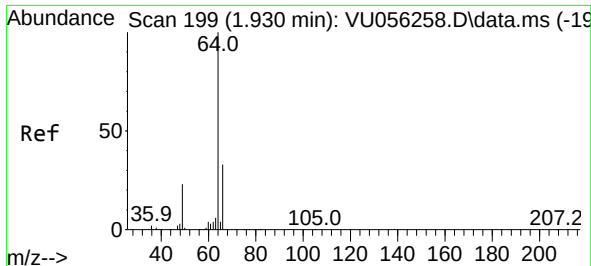
Tgt Ion: 50 Resp: 9304
Ion Ratio Lower Upper
50 100
52 31.8 24.3 45.1



#5
Vinyl chloride
Concen: 1.035 ug/L
RT: 1.602 min Scan# 97
Delta R.T. -0.000 min
Lab File: VU056272.D
Acq: 13 Nov 2023 23:43

Tgt Ion: 62 Resp: 24245
Ion Ratio Lower Upper
62 100
64 37.0 23.3 43.3

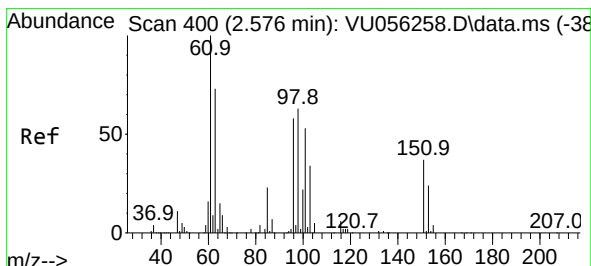
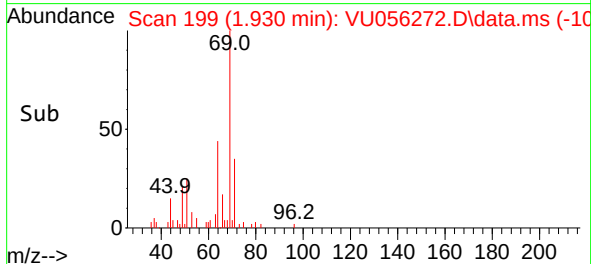
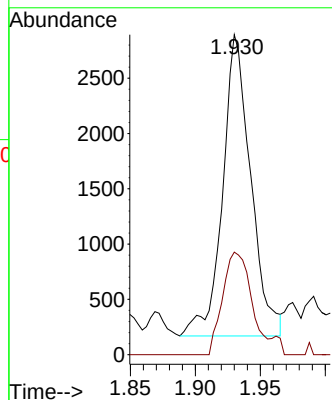
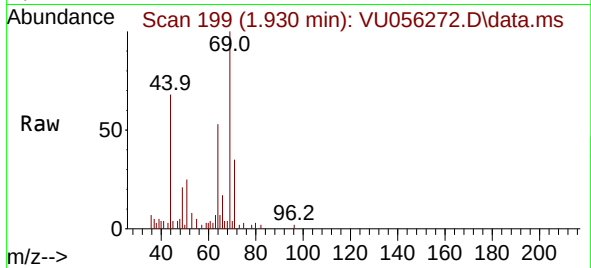




#8
Chloroethane
Concen: 0.287 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU056272.D
Acq: 13 Nov 2023 23:43

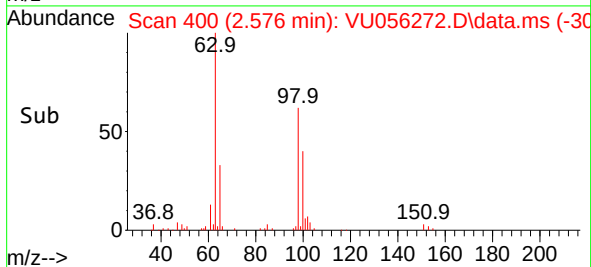
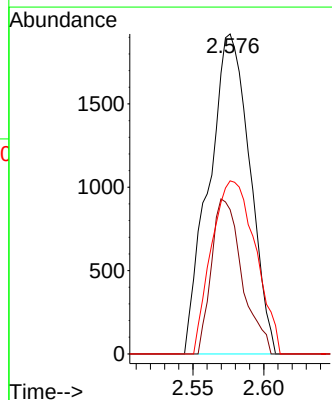
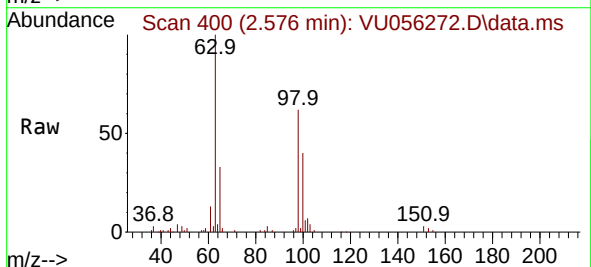
Instrument :
MSVOA_U
ClientSampleId :
GCDP0RE

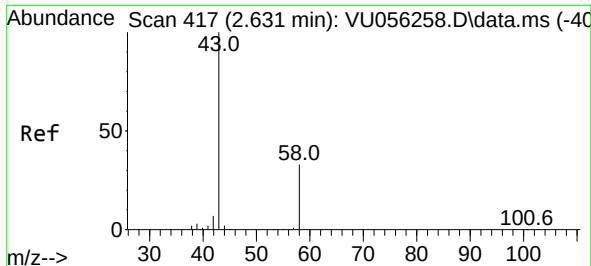
Tgt Ion: 64 Resp: 4104
Ion Ratio Lower Upper
64 100
66 28.1 23.9 44.5



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.192 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU056272.D
Acq: 13 Nov 2023 23:43

Tgt Ion:101 Resp: 3847
Ion Ratio Lower Upper
101 100
85 36.4 35.4 53.0
151 58.3 58.0 87.0





#13

Acetone

Concen: 68.698 ug/L

RT: 2.634 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU056272.D

Acq: 13 Nov 2023 23:43

Instrument :

MSVOA_U

ClientSampleId :

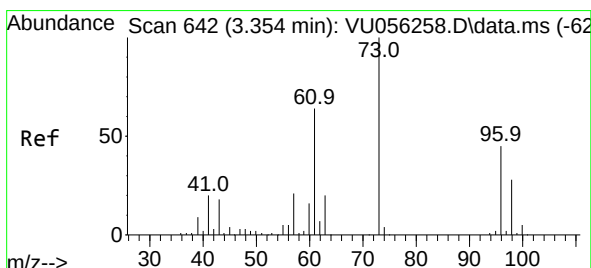
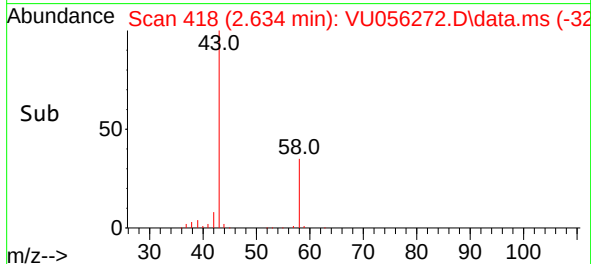
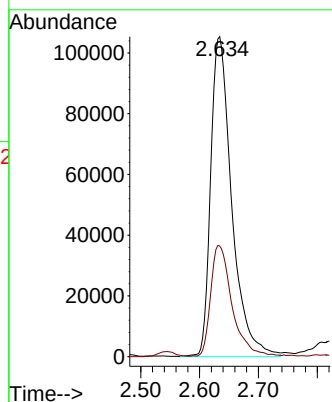
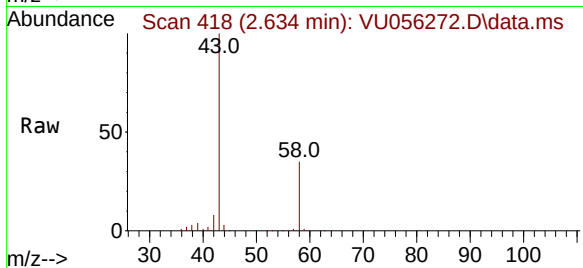
GCDP0RE

Tgt Ion: 43 Resp: 262090

Ion Ratio Lower Upper

43 100

58 34.9 0.0 70.0



#17

Methyl tert-butyl Ether

Concen: 0.134 ug/L

RT: 3.361 min Scan# 644

Delta R.T. 0.006 min

Lab File: VU056272.D

Acq: 13 Nov 2023 23:43

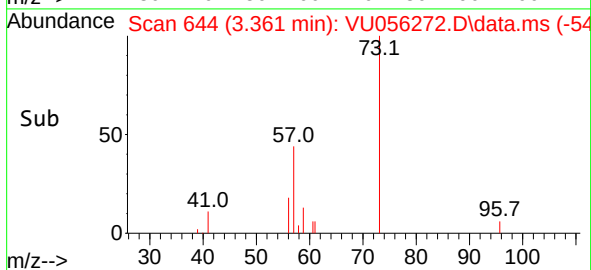
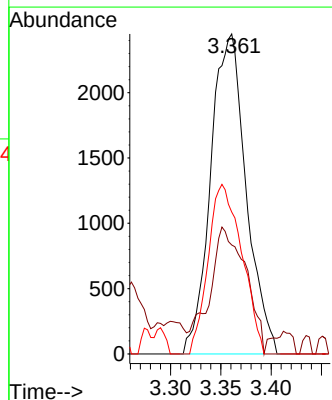
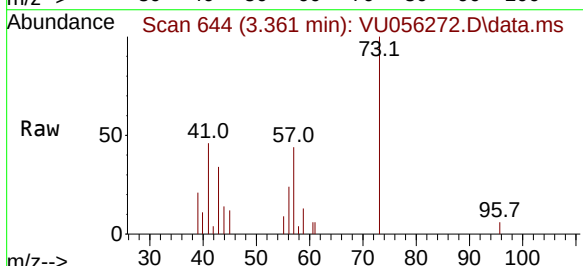
Tgt Ion: 73 Resp: 5999

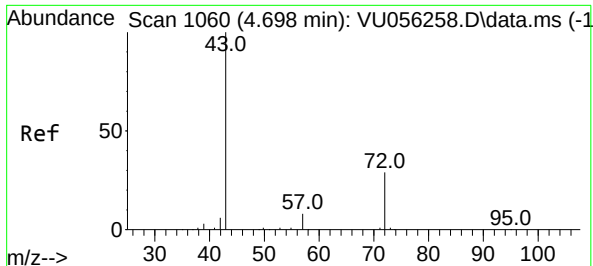
Ion Ratio Lower Upper

73 100

43 41.0 15.1 22.7#

57 50.4 17.8 26.8#





#21

2-Butanone

Concen: 12.694 ug/L

RT: 4.711 min Scan# 1064

Delta R.T. 0.013 min

Lab File: VU056272.D

Acq: 13 Nov 2023 23:43

Instrument :

MSVOA_U

ClientSampleId :

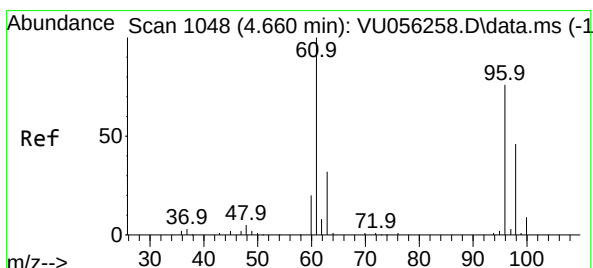
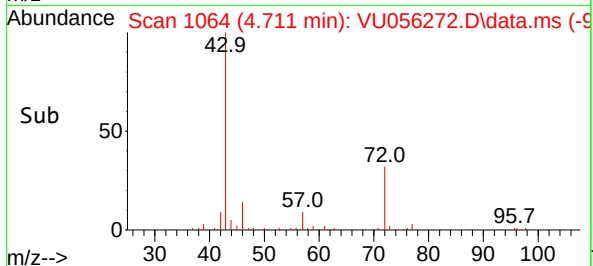
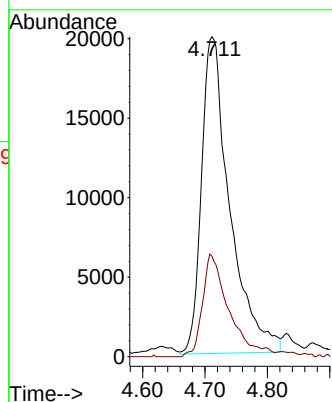
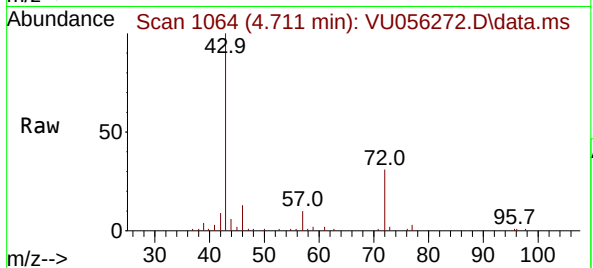
GCDP0RE

Tgt Ion: 43 Resp: 62843

Ion Ratio Lower Upper

43 100

72 29.3 14.2 42.6



#22

cis-1,2-Dichloroethene

Concen: 0.795 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. 0.003 min

Lab File: VU056272.D

Acq: 13 Nov 2023 23:43

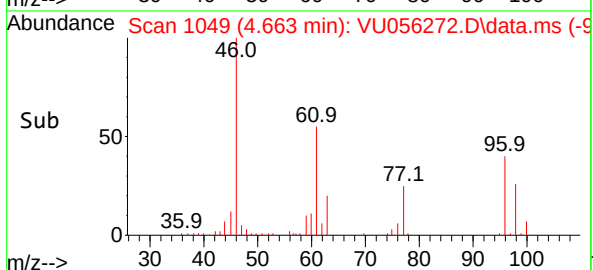
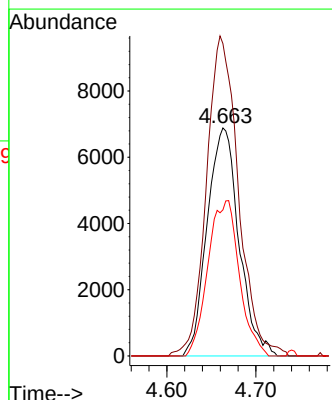
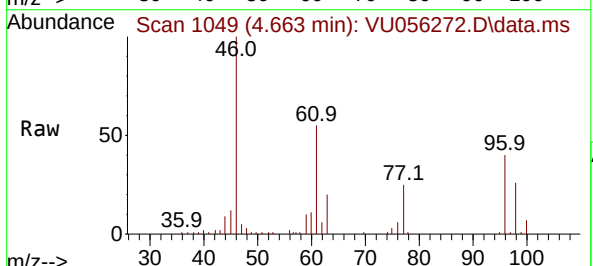
Tgt Ion: 96 Resp: 17046

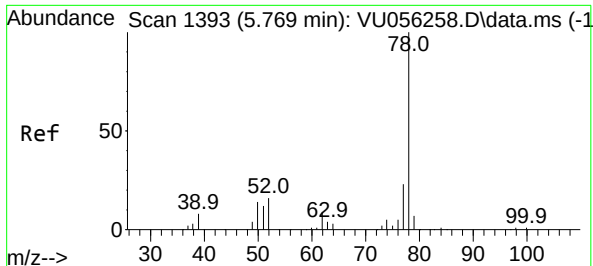
Ion Ratio Lower Upper

96 100

61 137.0 93.2 173.2

98 64.1 44.8 83.2





#33

Benzene

Concen: 0.731 ug/L

RT: 5.772 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU056272.D

Acq: 13 Nov 2023 23:43

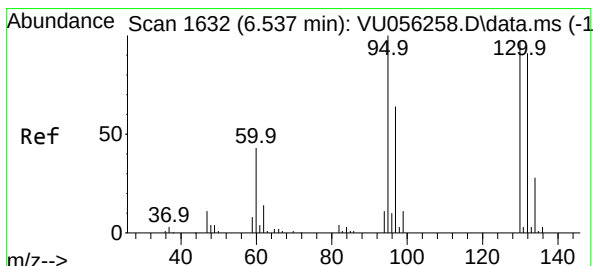
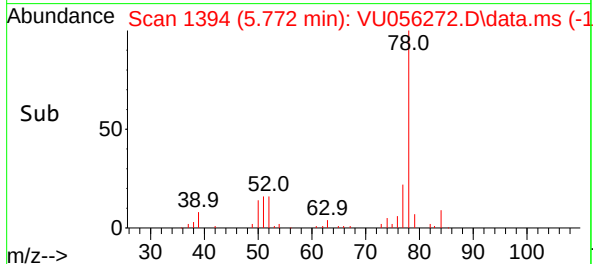
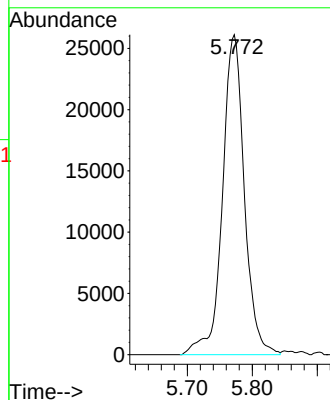
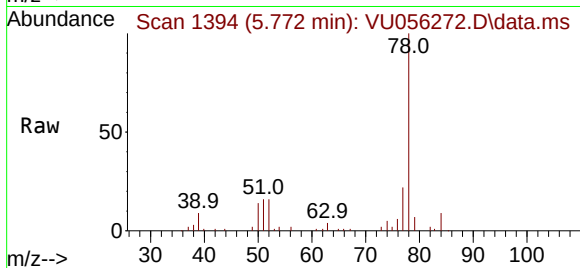
Instrument :

MSVOA_U

ClientSampleId :

GCDP0RE

Tgt Ion: 78 Resp: 61128



#34

Trichloroethene

Concen: 6.597 ug/L

RT: 6.537 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VU056272.D

Acq: 13 Nov 2023 23:43

Tgt Ion: 95 Resp: 150298

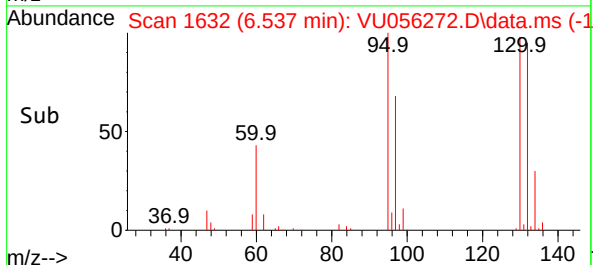
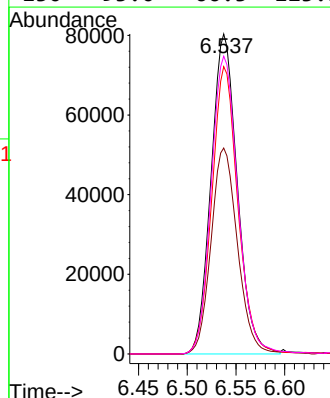
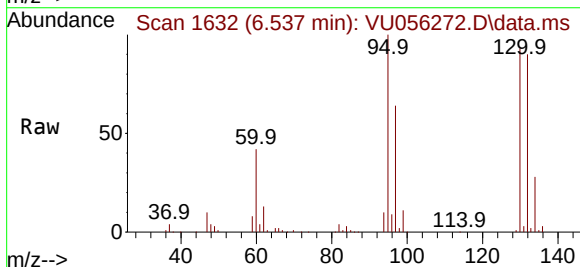
Ion Ratio Lower Upper

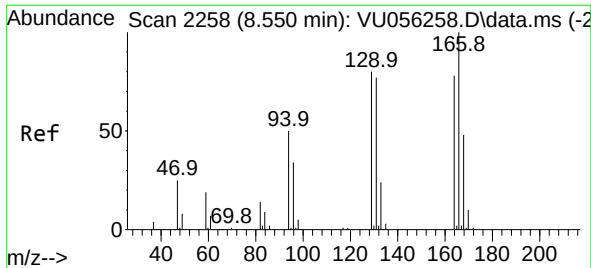
95 100

97 64.3 46.5 86.3

132 89.8 62.0 115.2

130 93.0 66.3 123.1





#47

Tetrachloroethene

Concen: 13.847 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU056272.D

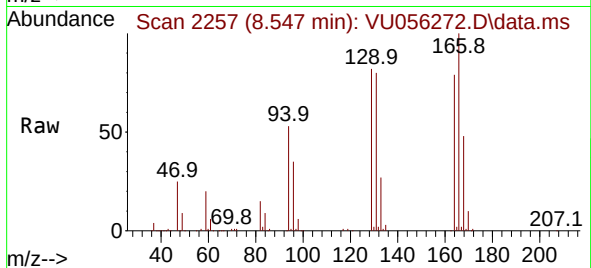
Acq: 13 Nov 2023 23:43

Instrument :

MSVOA_U

ClientSampleId :

GCDP0RE



Tgt Ion:164 Resp: 212747

Ion Ratio Lower Upper

164 100

129 104.2 71.0 131.9

131 101.5 70.3 130.7

166 127.0 89.8 166.8

