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 Data File : VU052201.D
 Acq On : 07 Dec 2022 17:09
 Operator : JC/MD
 Sample : N5930-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

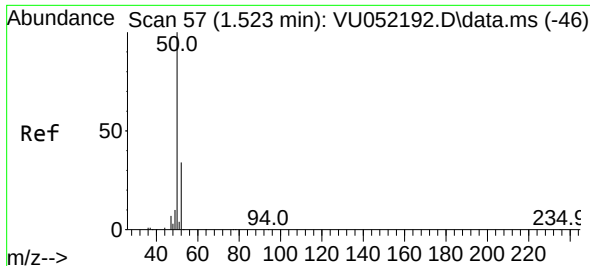
Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ89

Quant Time: Dec 08 02:01:39 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	203854	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	202375	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	74775	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	85750	4.324	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.400%
7) Chloroethane-d5	1.912	69	76020	4.936	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.800%
11) 1,1-Dichloroethene-d2	2.568	65	33610	4.729	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.600%
20) 2-Butanone-d5	4.629	46	186136	51.787	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.580%
24) Chloroform-d	5.063	84	151285	5.193	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.800%
26) 1,2-Dichloroethane-d4	5.703	65	76602	5.205	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.200%
32) Benzene-d6	5.726	84	299246	4.981	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.600%
36) 1,2-Dichloropropane-d6	6.690	67	100205	5.389	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.800%
41) Toluene-d8	7.896	98	224737	4.134	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.600%
43) trans-1,3-Dichloroprop...	8.179	79	30908	4.562	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.200%
46) 2-Hexanone-d5	8.636	63	134127	46.710	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.420%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	85587	5.309	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.200%
66) 1,2-Dichlorobenzene-d4	12.192	152	78441	5.479	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.600%
Target Compounds						Qvalue
3) Chloromethane	1.520	50	3220	0.140	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	1156	0.078	ug/L #	20
12) 1,1-Dichloroethene	2.581	96	18518	1.252	ug/L #	25
19) 1,1-Dichloroethane	3.871	63	51071	1.788	ug/L	98
22) cis-1,2-Dichloroethene	4.668	96	16947	1.019	ug/L	99
29) 1,1,1-Trichloroethane	5.314	97	121338	5.404	ug/L	99
31) Carbon tetrachloride	5.314	117	16790	0.880	ug/L	98
34) Trichloroethene	6.543	95	9892	0.602	ug/L	97
35) Methylcyclohexane	6.690	83	22197	0.939	ug/L #	20
37) 1,2-Dichloropropane	6.687	63	10049	0.589	ug/L #	88
47) Tetrachloroethene	8.552	164	11188	0.889	ug/L	95
49) Dibromochloromethane	8.552	129	10344	0.721	ug/L #	12
61) 1,2,3-Trichloropropane	11.812	75	8148	0.952	ug/L #	68

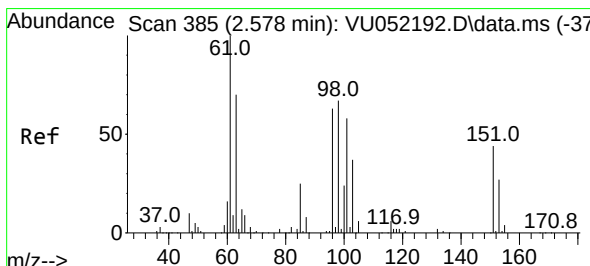
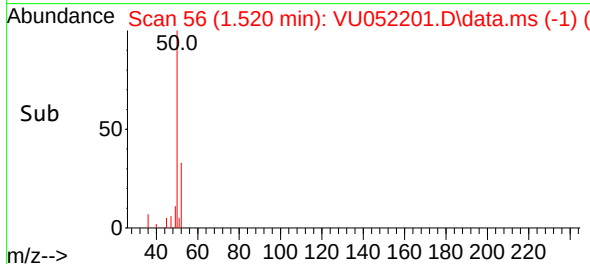
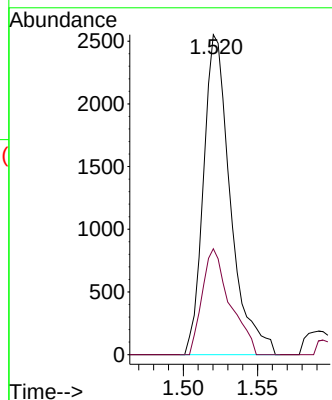
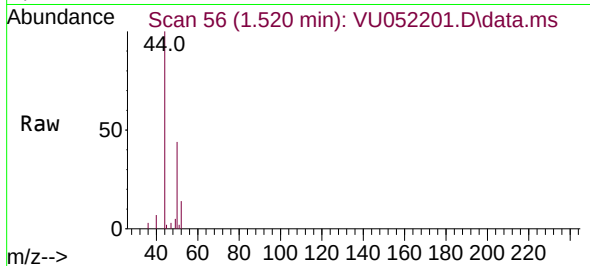
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#3
Chloromethane
Concen: 0.140 ug/L
RT: 1.520 min Scan# 50
Delta R.T. -0.003 min
Lab File: VU052201.D
Acq: 07 Dec 2022 17:09

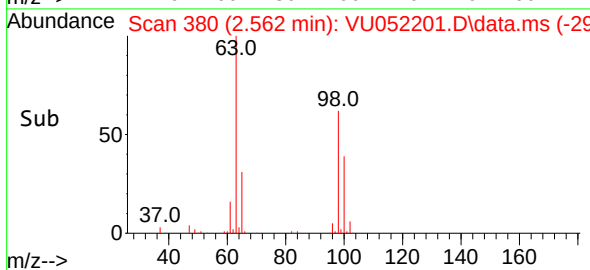
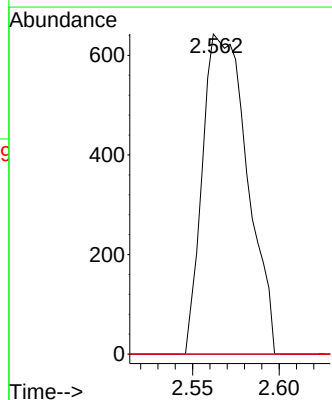
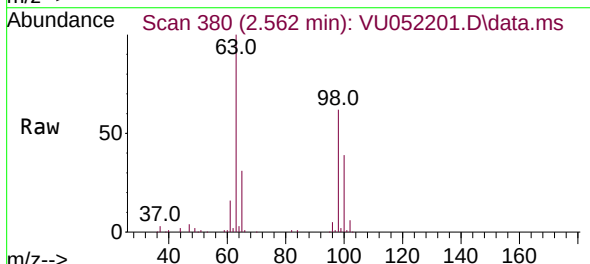
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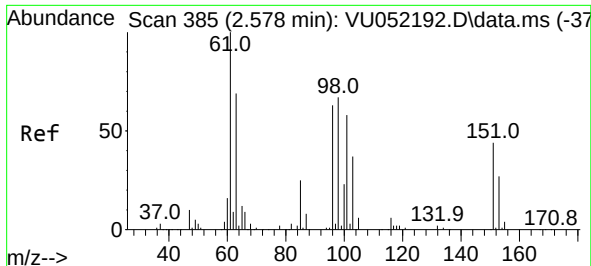
Tgt Ion: 50 Resp: 3220
Ion Ratio Lower Upper
50 100
52 33.1 23.4 43.4



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.078 ug/L
RT: 2.562 min Scan# 380
Delta R.T. -0.016 min
Lab File: VU052201.D
Acq: 07 Dec 2022 17:09

Tgt Ion: 101 Resp: 1156
Ion Ratio Lower Upper
101 100
85 0.0 33.8 50.6#
151 0.0 58.6 88.0#





#12

1,1-Dichloroethene

Concen: 1.252 ug/L

RT: 2.581 min Scan# 385

Delta R.T. 0.003 min

Lab File: VU052201.D

Acq: 07 Dec 2022 17:09

Instrument :

MSVOA_U

ClientSampleId :

EXZ89

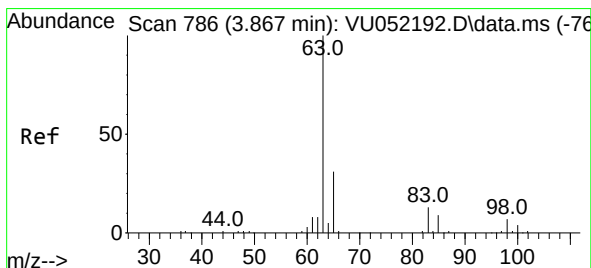
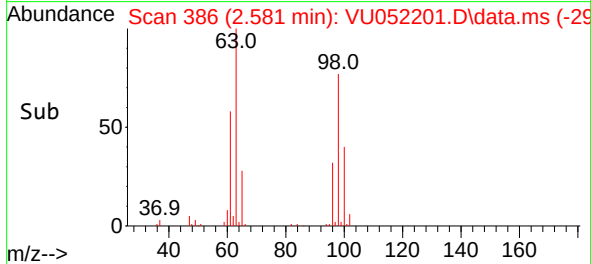
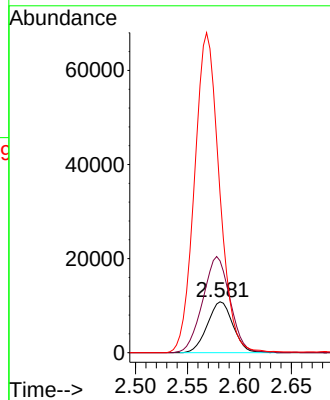
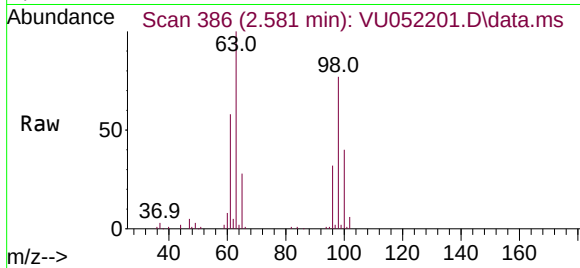
Tgt Ion: 96 Resp: 18518

Ion Ratio Lower Upper

96 100

61 180.4 114.8 213.2

63 312.8 93.7 174.1#



#19

1,1-Dichloroethane

Concen: 1.788 ug/L

RT: 3.871 min Scan# 787

Delta R.T. 0.003 min

Lab File: VU052201.D

Acq: 07 Dec 2022 17:09

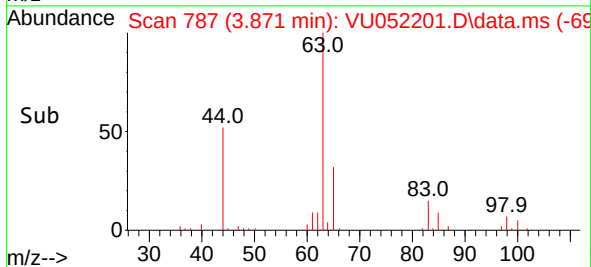
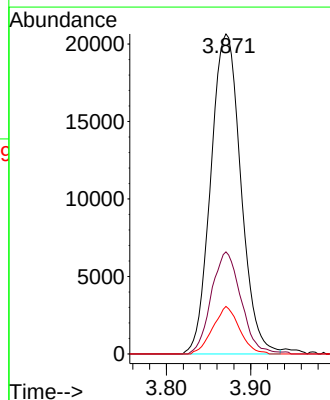
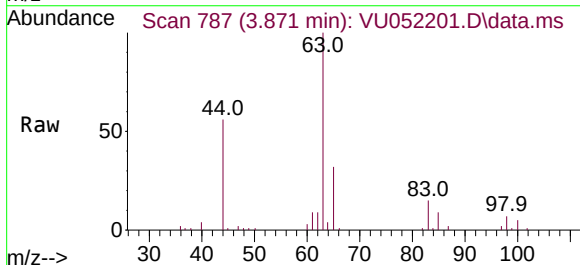
Tgt Ion: 63 Resp: 51071

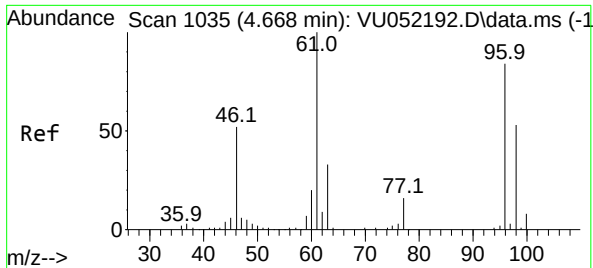
Ion Ratio Lower Upper

63 100

65 31.9 22.2 41.2

83 14.8 9.2 17.0





#22

cis-1,2-Dichloroethene

Concen: 1.019 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VU052201.D

Acq: 07 Dec 2022 17:09

Instrument :

MSVOA_U

ClientSampleId :

EXZ89

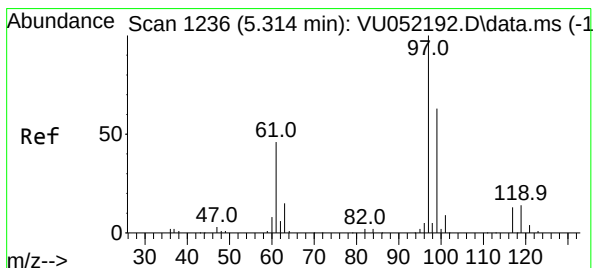
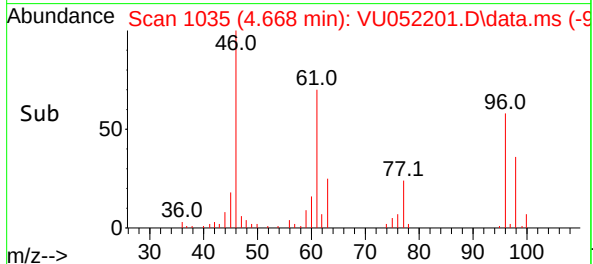
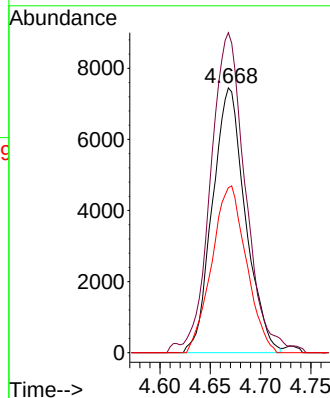
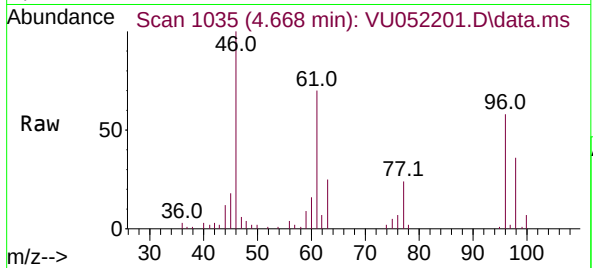
Tgt Ion: 96 Resp: 16947

Ion Ratio Lower Upper

96 100

61 120.8 85.1 158.1

98 62.3 42.8 79.6



#29

1,1,1-Trichloroethane

Concen: 5.404 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU052201.D

Acq: 07 Dec 2022 17:09

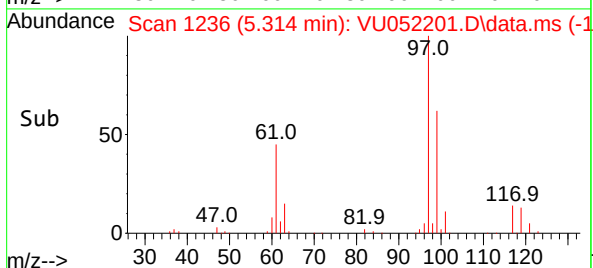
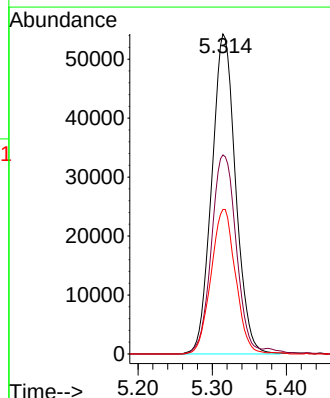
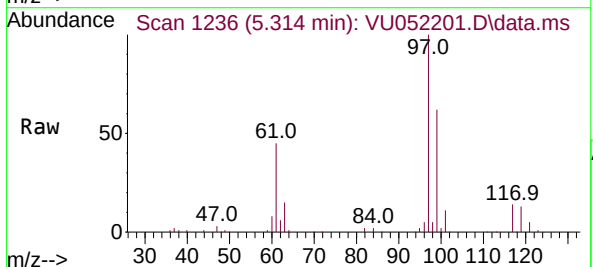
Tgt Ion: 97 Resp: 121338

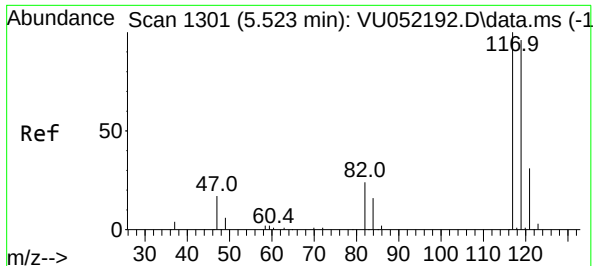
Ion Ratio Lower Upper

97 100

99 64.6 51.0 76.6

61 46.3 36.9 55.3

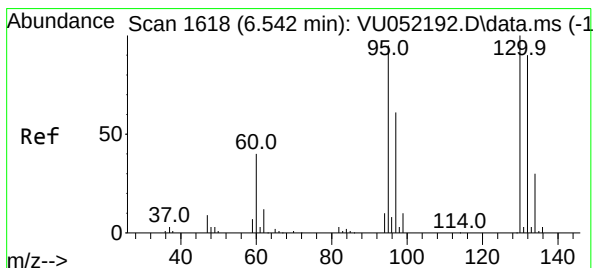
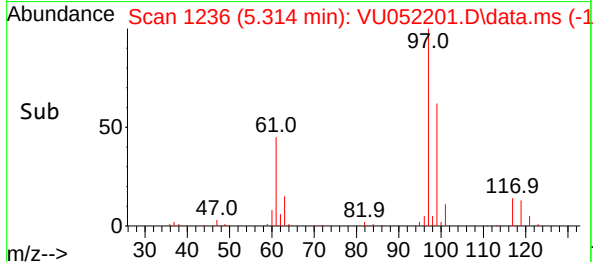
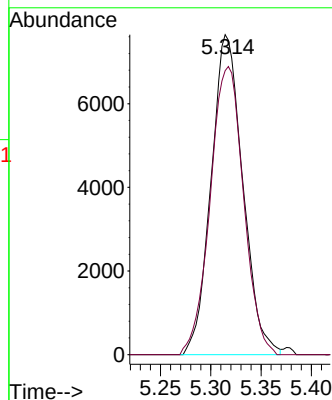
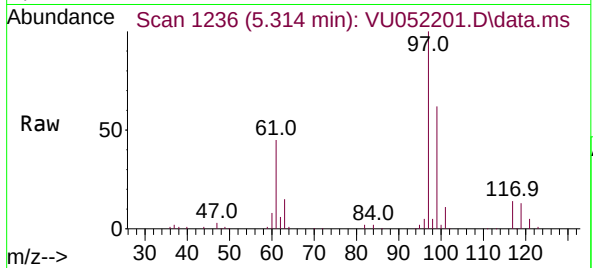




#31
Carbon tetrachloride
Concen: 0.880 ug/L
RT: 5.314 min Scan# 11
Delta R.T. -0.209 min
Lab File: VU052201.D
Acq: 07 Dec 2022 17:09

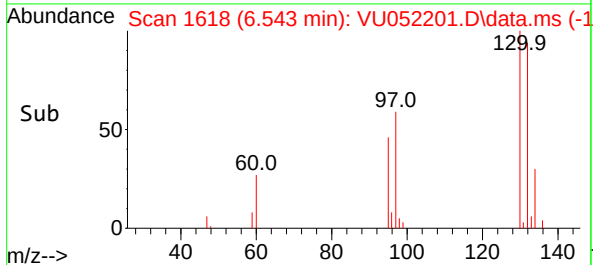
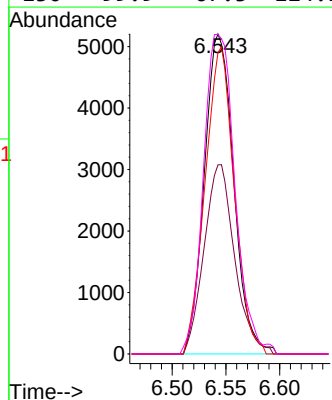
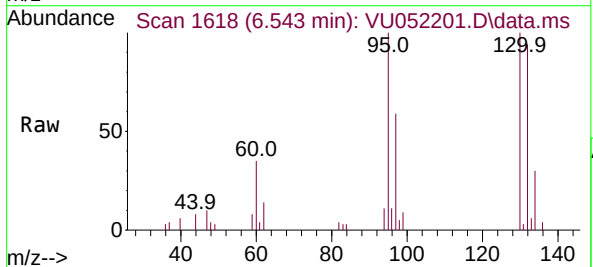
Instrument :
MSVOA_U
ClientSampleId :
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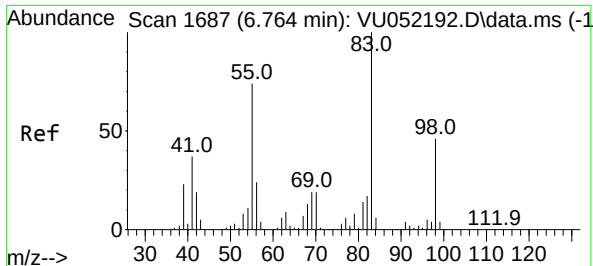
Tgt Ion:117 Resp: 16790
Ion Ratio Lower Upper
117 100
119 94.5 77.2 115.8



#34
Trichloroethene
Concen: 0.602 ug/L
RT: 6.543 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU052201.D
Acq: 07 Dec 2022 17:09

Tgt Ion: 95 Resp: 9892
Ion Ratio Lower Upper
95 100
97 59.1 43.7 81.1
132 94.2 64.3 119.3
130 99.9 67.3 124.9





#35

Methylcyclohexane

Concen: 0.939 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU052201.D

Acq: 07 Dec 2022 17:09

Instrument :

MSVOA_U

ClientSampleId :

EXZ89

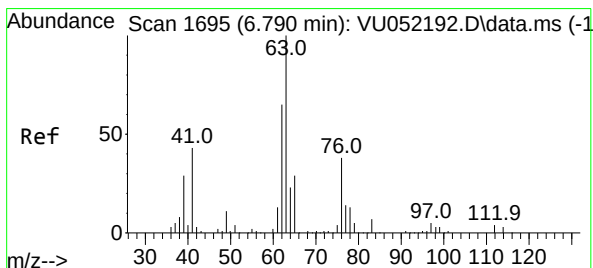
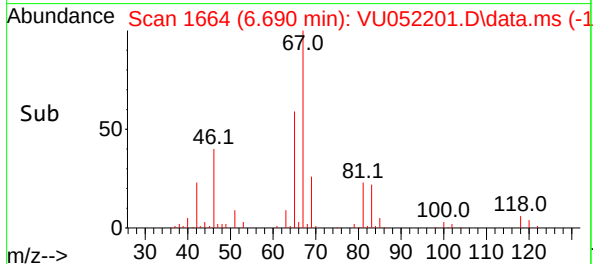
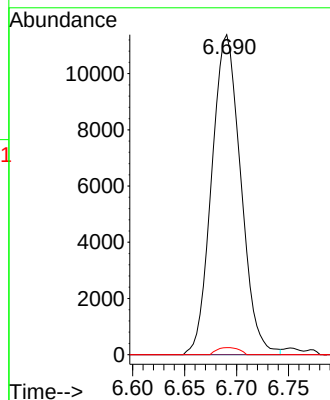
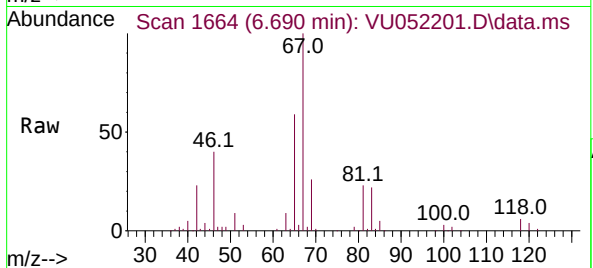
Tgt Ion: 83 Resp: 22197

Ion Ratio Lower Upper

83 100

55 0.0 60.8 91.2#

98 1.7 35.1 52.7#



#37

1,2-Dichloropropane

Concen: 0.589 ug/L

RT: 6.687 min Scan# 1663

Delta R.T. -0.103 min

Lab File: VU052201.D

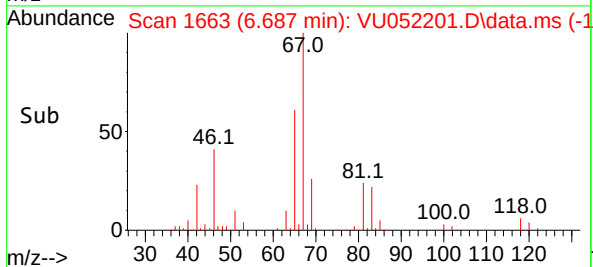
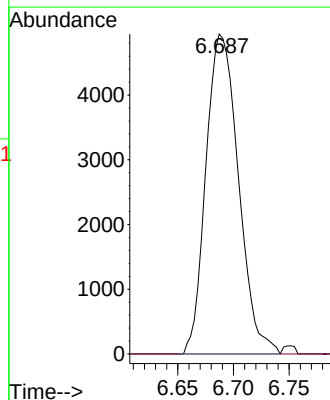
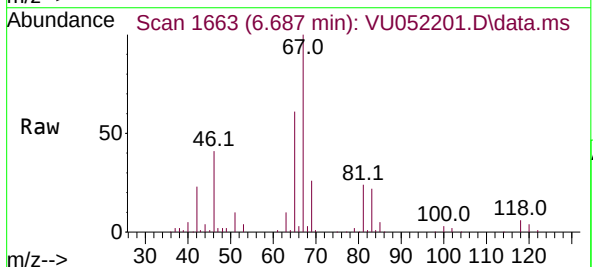
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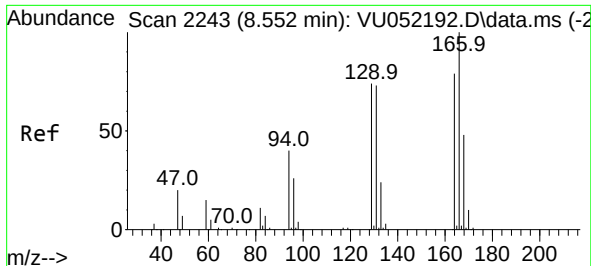
Tgt Ion: 63 Resp: 10049

Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#

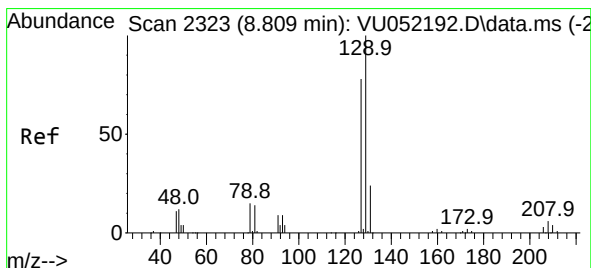
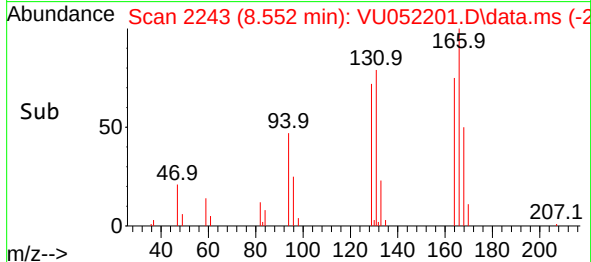
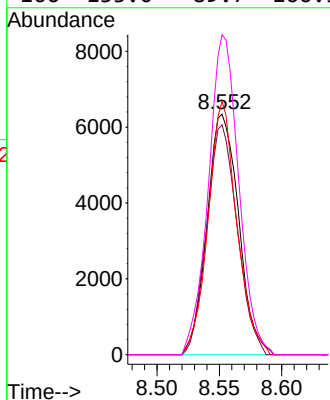
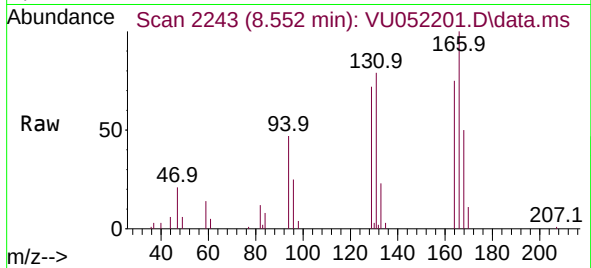




#47
Tetrachloroethene
Concen: 0.889 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU052201.D
Acq: 07 Dec 2022 17:09

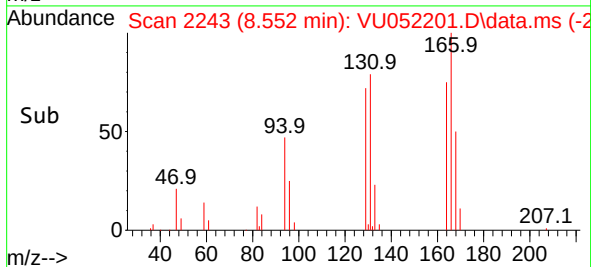
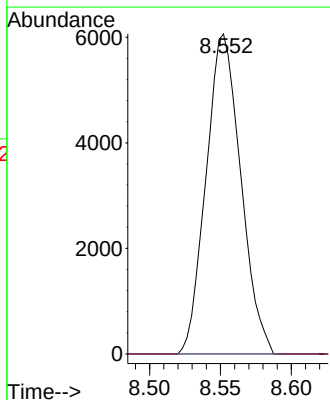
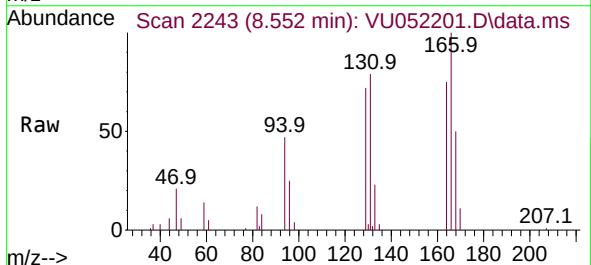
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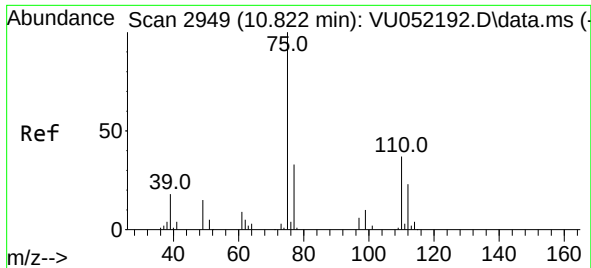
Tgt Ion:	164	Resp:	11188
Ion	Ratio	Lower	Upper
164	100		
129	95.6	67.4	125.2
131	105.2	67.1	124.7
166	133.0	89.7	166.5



#49
Dibromochloromethane
Concen: 0.721 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.257 min
Lab File: VU052201.D
Acq: 07 Dec 2022 17:09

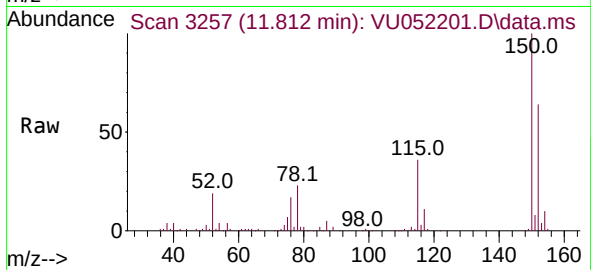
Tgt Ion:	129	Resp:	10344
Ion	Ratio	Lower	Upper
129	100		
127	0.0	52.8	98.2#





#61
 1,2,3-Trichloropropane
 Concen: 0.952 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU052201.D
 Acq: 07 Dec 2022 17:09

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ89



Tgt Ion: 75 Resp: 8148
 Ion Ratio Lower Upper
 75 100
 110 1.6 28.3 42.5#
 77 30.2 26.2 39.2

