

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122122\
 Data File : VU052474.D
 Acq On : 21 Dec 2022 12:49
 Operator : JC/MD
 Sample : N6156-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXEL7

Quant Time: Dec 22 00:30:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 22 00:28:27 2022
 Response via : Initial Calibration

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

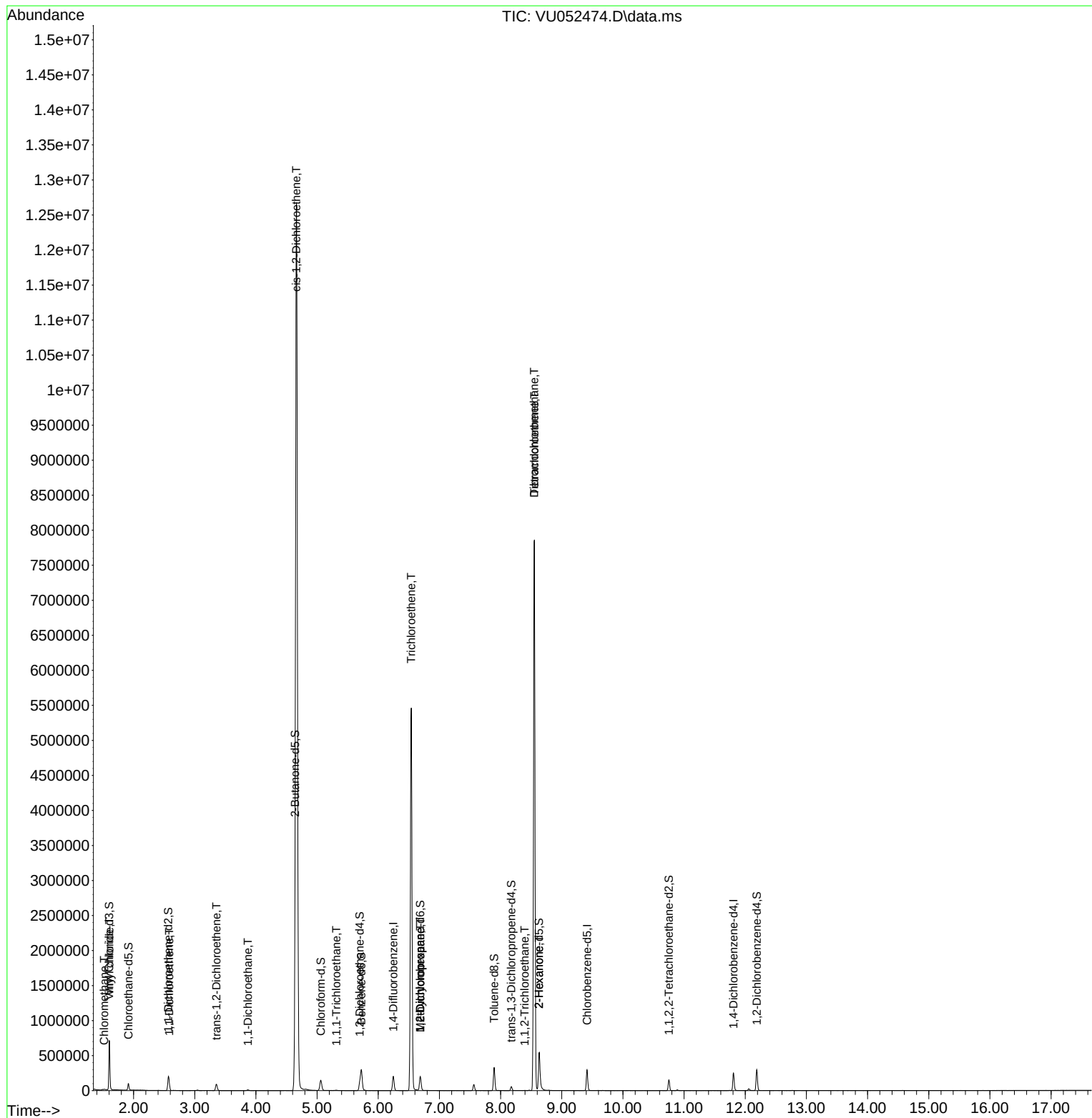
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	156249	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	153613	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	64903	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	81956	5.177	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.600%
7) Chloroethane-d5	1.916	69	69950	5.124	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.400%
11) 1,1-Dichloroethene-d2	2.568	65	33446	4.910	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.200%
20) 2-Butanone-d5	4.639	46	275691	56.162	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.320%
24) Chloroform-d	5.060	84	133265	4.990	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.800%
26) 1,2-Dichloroethane-d4	5.697	65	80404	5.190	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.800%
32) Benzene-d6	5.722	84	271724	5.159	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.200%
36) 1,2-Dichloropropane-d6	6.687	67	97062	5.354	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.000%
41) Toluene-d8	7.896	98	212734	4.812	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.200%
43) trans-1,3-Dichloroprop...	8.176	79	31609	5.092	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.800%
46) 2-Hexanone-d5	8.629	63	193736	57.041	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.080%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	77769	5.053	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.000%
66) 1,2-Dichlorobenzene-d4	12.188	152	74308	5.624	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	3347	0.167	ug/L	93
5) Vinyl chloride	1.604	62	423685	23.290	ug/L	97
12) 1,1-Dichloroethene	2.581	96	21450	1.833	ug/L #	38
18) trans-1,2-Dichloroethene	3.353	96	37086	3.075	ug/L	96
19) 1,1-Dichloroethane	3.867	63	12947	0.494	ug/L	98
22) cis-1,2-Dichloroethene	4.661	96	6193289	467.933	ug/L	95
29) 1,1,1-Trichloroethane	5.314	97	3620	0.187	ug/L #	78
34) Trichloroethene	6.539	95	1853453	143.291	ug/L	99
35) Methylcyclohexane	6.687	83	20557	1.054	ug/L #	14
37) 1,2-Dichloropropane	6.687	63	10058	0.651	ug/L #	88
45) 1,1,2-Trichloroethane	8.394	97	1138	0.104	ug/L #	81
47) Tetrachloroethene	8.552	164	1639511	181.583	ug/L	99
48) 2-Hexanone	8.629	43	23966	2.818	ug/L #	78
49) Dibromochloromethane	8.549	129	1633570	141.076	ug/L #	11

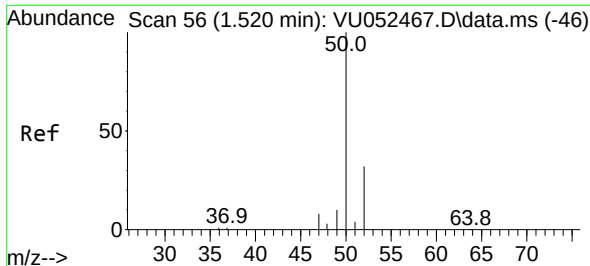
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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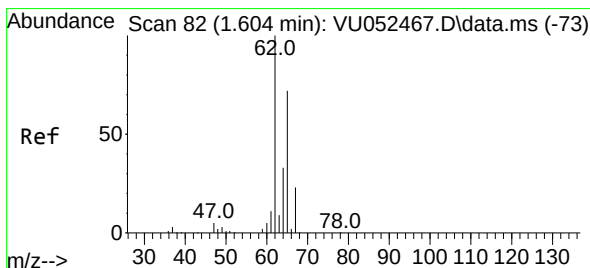
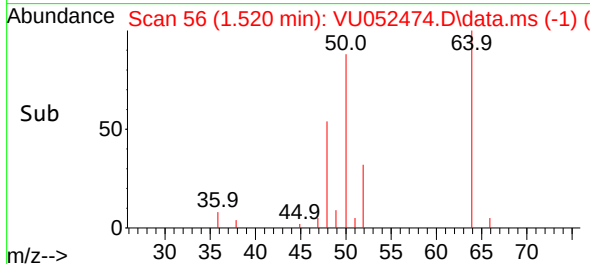
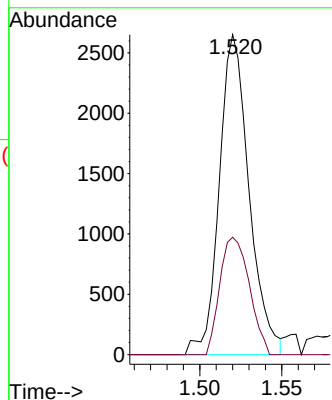
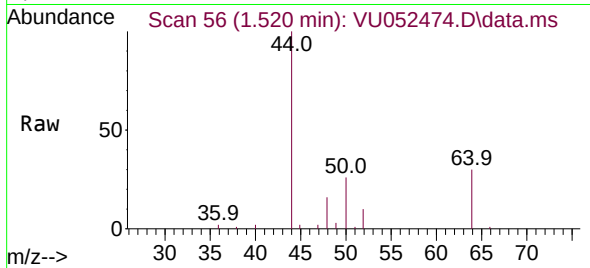




#3
Chloromethane
Concen: 0.167 ug/L
RT: 1.520 min Scan# 50
Delta R.T. -0.000 min
Lab File: VU052474.D
Acq: 21 Dec 2022 12:49

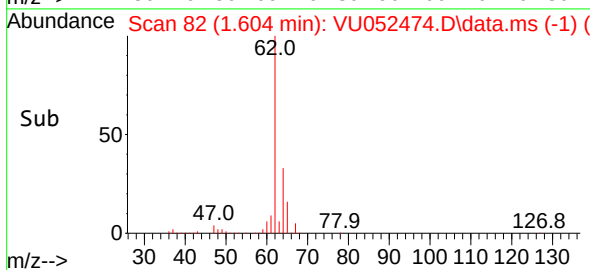
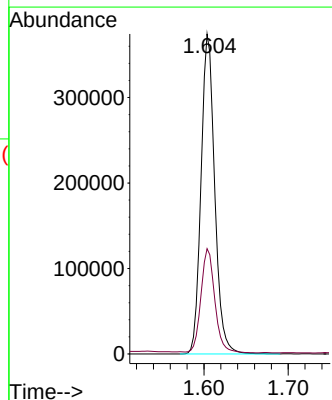
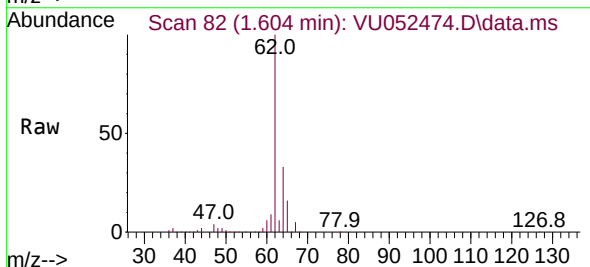
Instrument :
MSVOA_U
ClientSampleId :
EXEL7

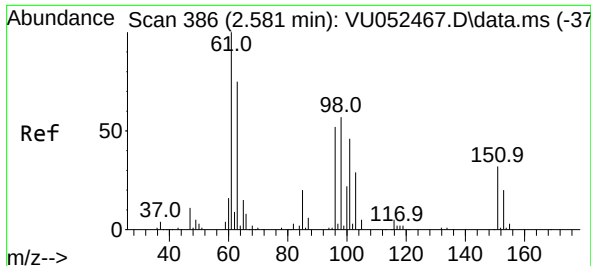
Tgt Ion: 50 Resp: 3347
Ion Ratio Lower Upper
50 100
52 36.7 23.0 42.6



#5
Vinyl chloride
Concen: 23.290 ug/L
RT: 1.604 min Scan# 82
Delta R.T. -0.000 min
Lab File: VU052474.D
Acq: 21 Dec 2022 12:49

Tgt Ion: 62 Resp: 423685
Ion Ratio Lower Upper
62 100
64 32.9 24.4 45.4





#12

1,1-Dichloroethene

Concen: 1.833 ug/L

RT: 2.581 min Scan# 386

Delta R.T. -0.000 min

Lab File: VU052474.D

Acq: 21 Dec 2022 12:49

Instrument :

MSVOA_U

ClientSampleId :

EXEL7

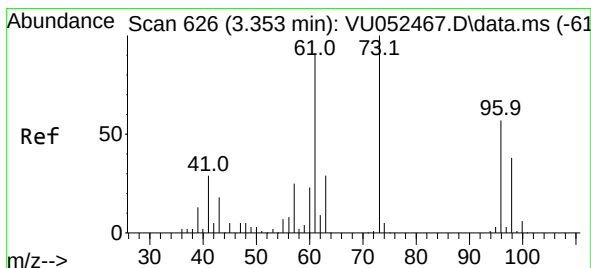
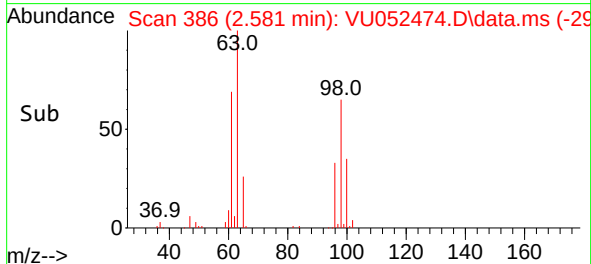
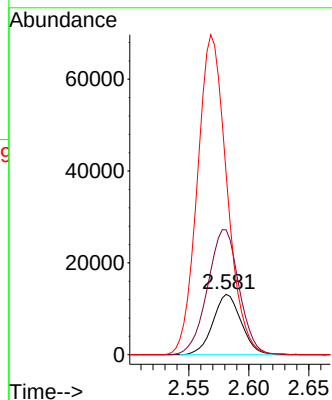
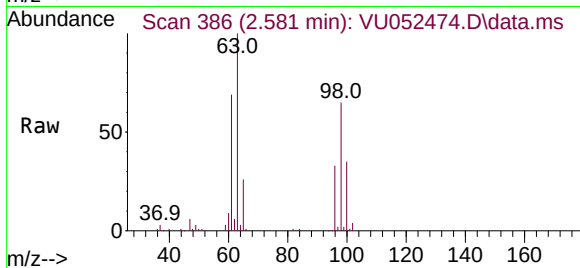
Tgt Ion: 96 Resp: 21450

Ion Ratio Lower Upper

96 100

61 206.7 135.4 251.4

63 299.8 95.4 177.2#



#18

trans-1,2-Dichloroethene

Concen: 3.075 ug/L

RT: 3.353 min Scan# 626

Delta R.T. -0.000 min

Lab File: VU052474.D

Acq: 21 Dec 2022 12:49

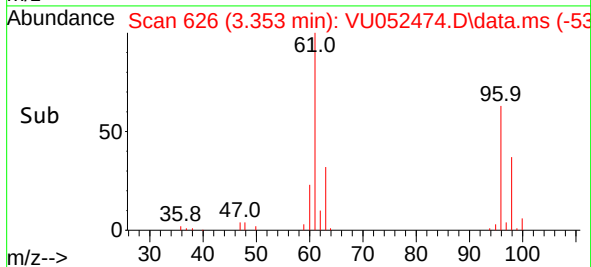
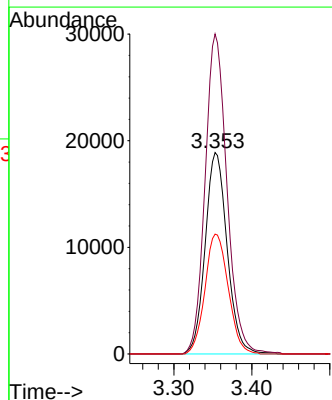
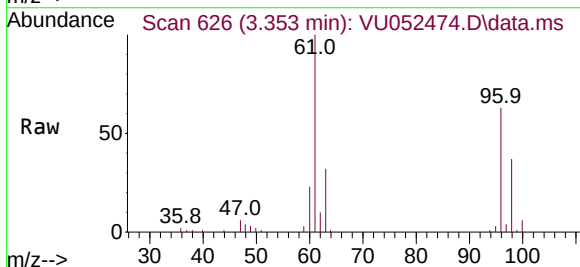
Tgt Ion: 96 Resp: 37086

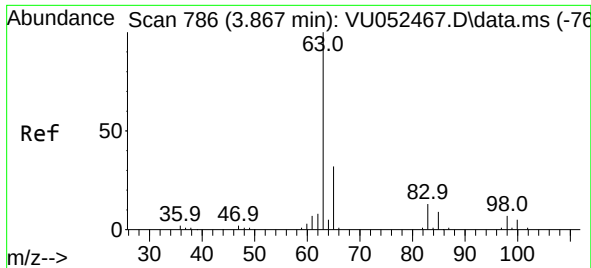
Ion Ratio Lower Upper

96 100

61 158.8 108.3 201.1

98 59.5 44.0 81.6





#19

1,1-Dichloroethane

Concen: 0.494 ug/L

RT: 3.867 min Scan# 71

Delta R.T. -0.000 min

Lab File: VU052474.D

Acq: 21 Dec 2022 12:49

Instrument :

MSVOA_U

ClientSampleId :

EXEL7

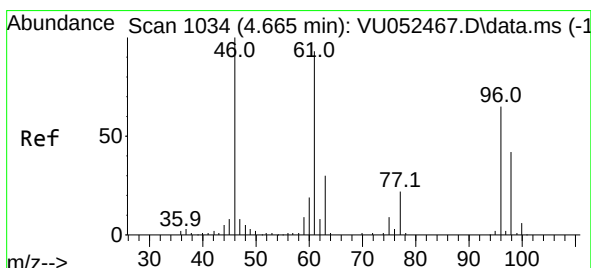
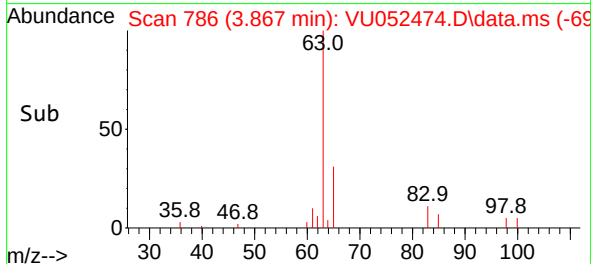
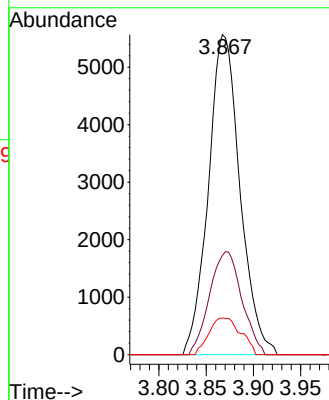
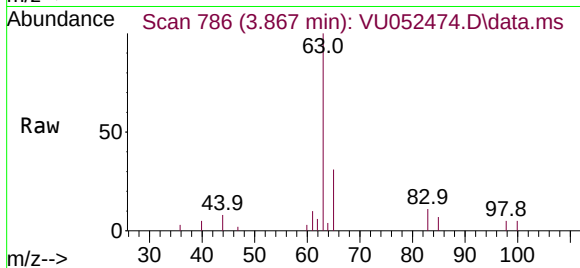
Tgt Ion: 63 Resp: 12947

Ion Ratio Lower Upper

63 100

65 31.0 22.0 40.8

83 11.5 9.0 16.8



#22

cis-1,2-Dichloroethene

Concen: 467.933 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.003 min

Lab File: VU052474.D

Acq: 21 Dec 2022 12:49

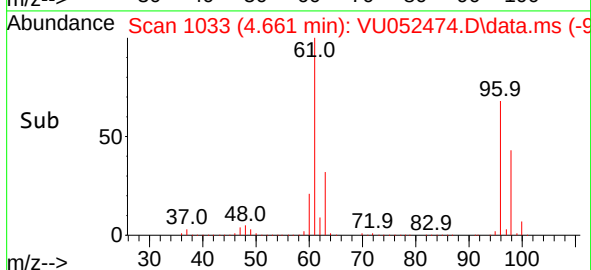
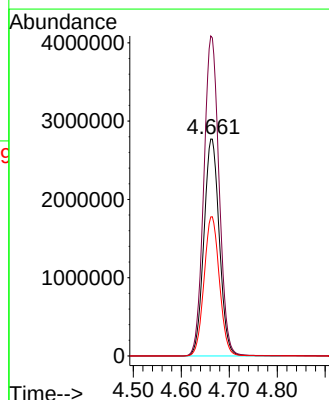
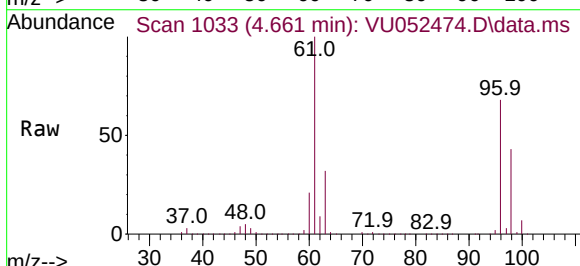
Tgt Ion: 96 Resp: 6193289

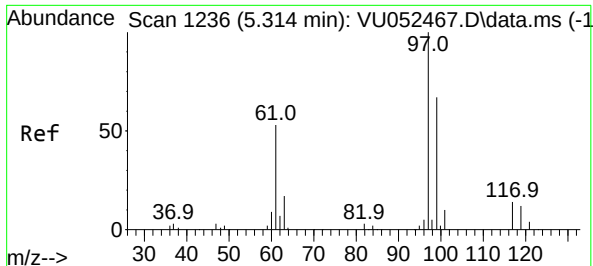
Ion Ratio Lower Upper

96 100

61 147.5 96.9 180.1

98 64.1 44.7 83.1

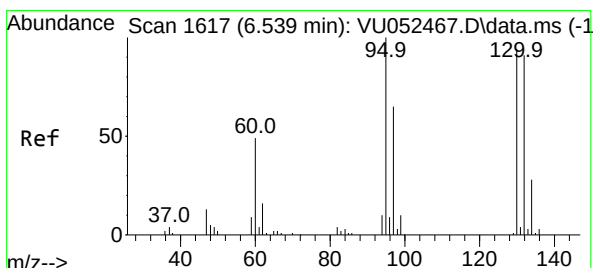
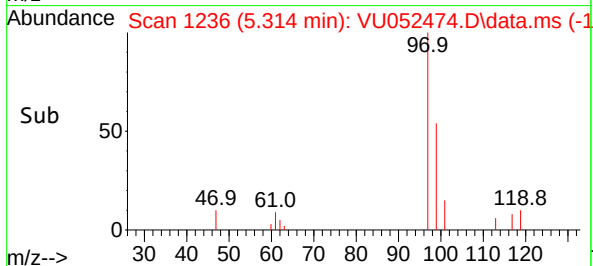
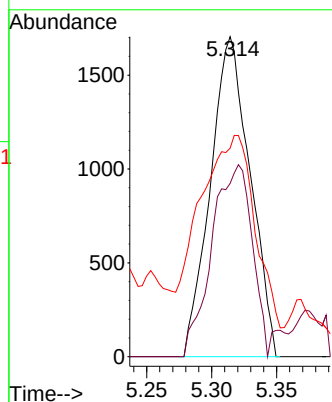
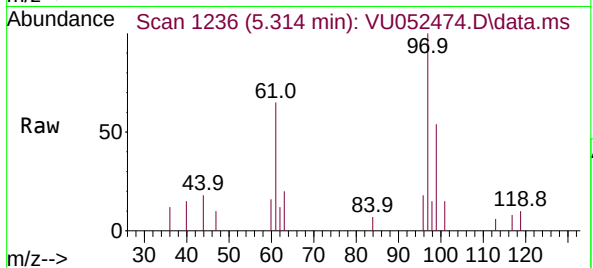




#29
1,1,1-Trichloroethane
Concen: 0.187 ug/L
RT: 5.314 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU052474.D
Acq: 21 Dec 2022 12:49

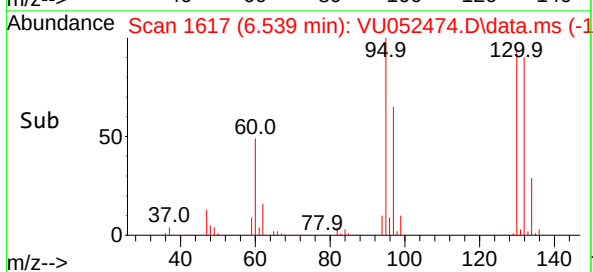
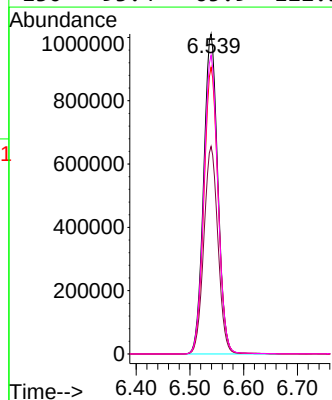
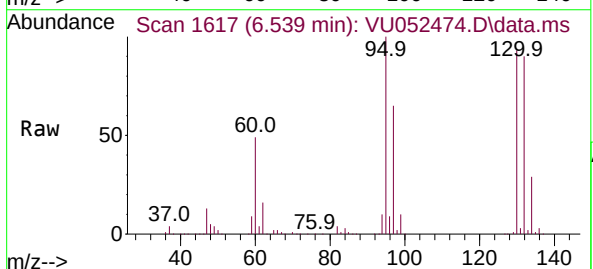
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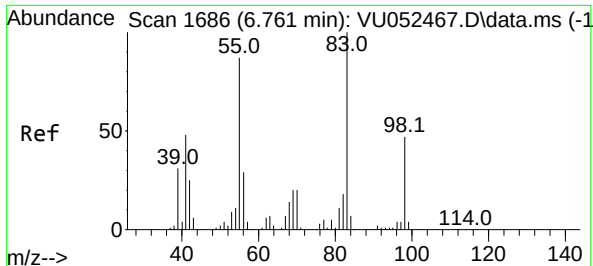
Tgt Ion: 97 Resp: 3620
Ion Ratio Lower Upper
97 100
99 60.8 52.2 78.2
61 82.1 41.6 62.4#



#34
Trichloroethene
Concen: 143.291 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU052474.D
Acq: 21 Dec 2022 12:49

Tgt Ion: 95 Resp: 1853453
Ion Ratio Lower Upper
95 100
97 64.8 46.3 86.1
132 89.6 63.9 118.7
130 93.4 65.9 122.5

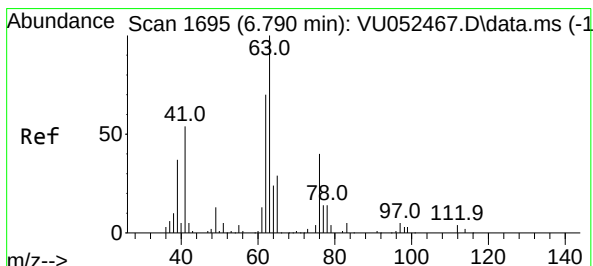
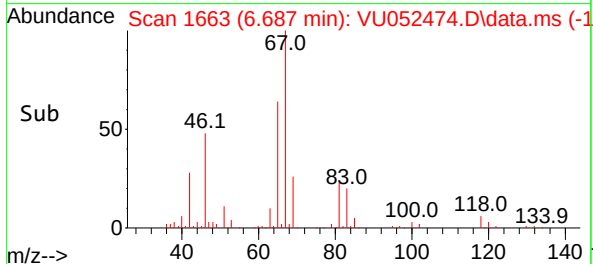
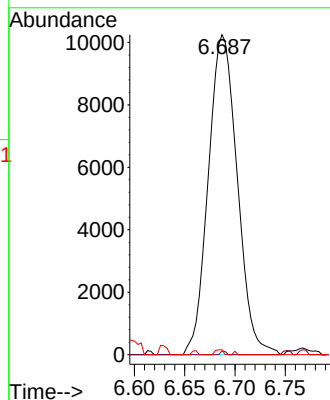
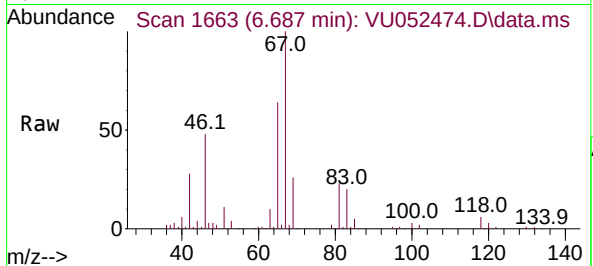




#35
Methylcyclohexane
Concen: 1.054 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.074 min
Lab File: VU052474.D
Acq: 21 Dec 2022 12:49

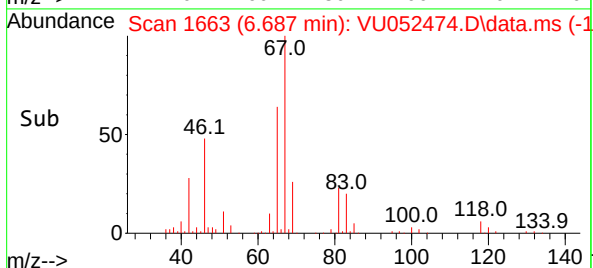
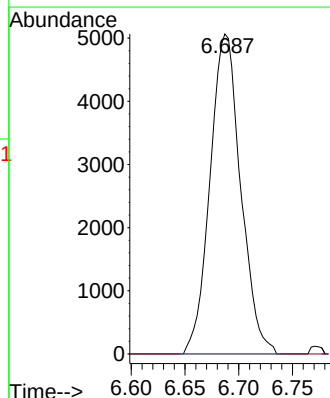
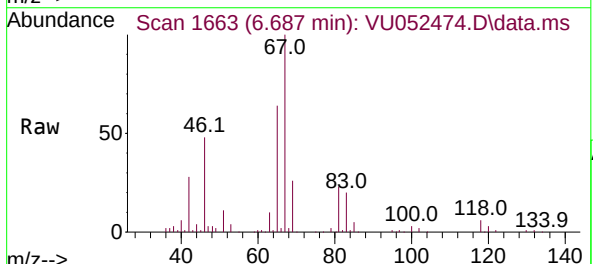
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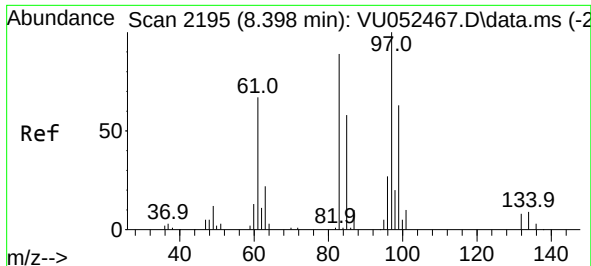
Tgt Ion: 83 Resp: 20557
Ion Ratio Lower Upper
83 100
55 0.2 71.4 107.0#
98 0.0 36.5 54.7#



#37
1,2-Dichloropropane
Concen: 0.651 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.103 min
Lab File: VU052474.D
Acq: 21 Dec 2022 12:49

Tgt Ion: 63 Resp: 10058
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#





#45

1,1,2-Trichloroethane

Concen: 0.104 ug/L

RT: 8.394 min Scan# 2195

Delta R.T. -0.003 min

Lab File: VU052474.D

Acq: 21 Dec 2022 12:49

Instrument :

MSVOA_U

ClientSampleId :

EXEL7

Tgt Ion: 97 Resp: 1138

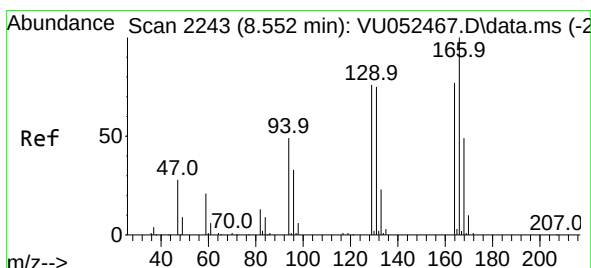
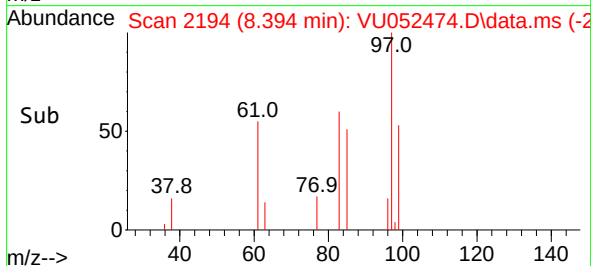
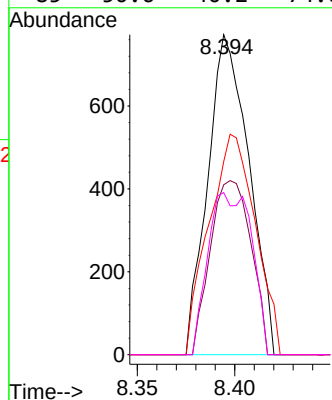
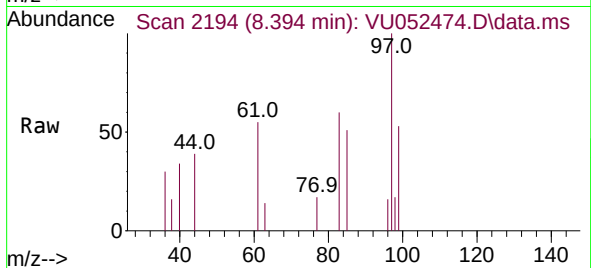
Ion Ratio Lower Upper

97 100

99 53.1 42.0 78.0

83 60.4 63.2 117.4#

85 50.6 40.2 74.6



#47

Tetrachloroethene

Concen: 181.583 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.000 min

Lab File: VU052474.D

Acq: 21 Dec 2022 12:49

Tgt Ion:164 Resp: 1639511

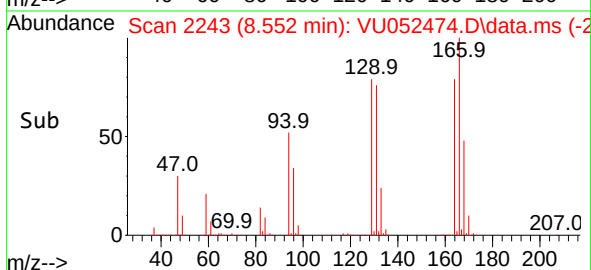
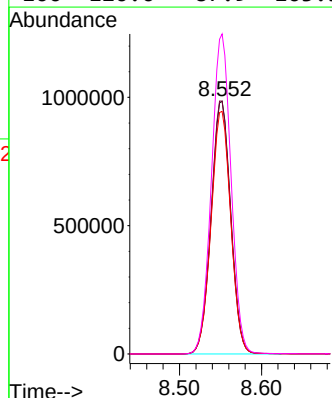
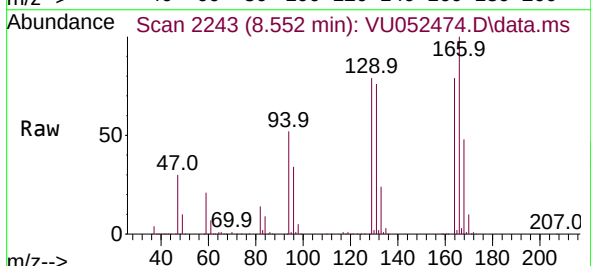
Ion Ratio Lower Upper

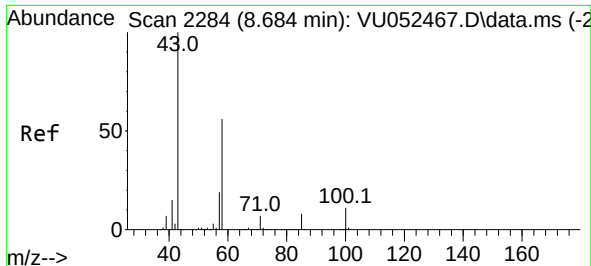
164 100

129 100.0 68.1 126.5

131 96.0 66.5 123.5

166 126.6 87.9 163.3

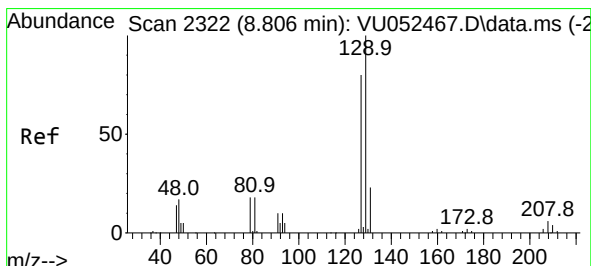
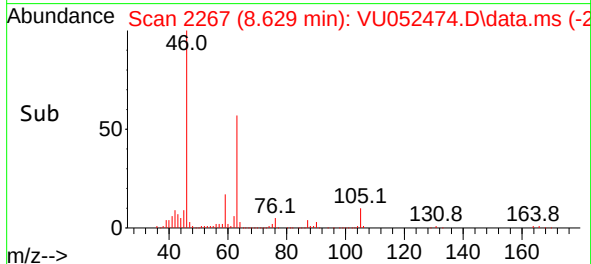
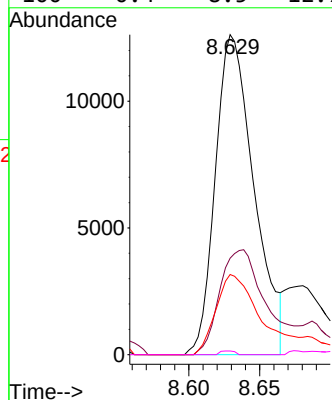
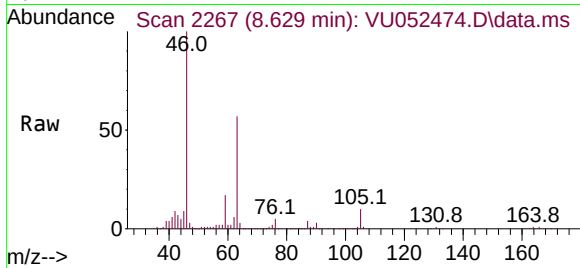




#48
2-Hexanone
Concen: 2.818 ug/L
RT: 8.629 min Scan# 21
Delta R.T. -0.055 min
Lab File: VU052474.D
Acq: 21 Dec 2022 12:49

Instrument :
MSVOA_U
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Tgt Ion: 43 Resp: 23966
Ion Ratio Lower Upper
43 100
58 40.0 44.1 66.1#
57 28.9 14.6 21.8#
100 0.4 8.5 12.7#



#49
Dibromochloromethane
Concen: 141.076 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.257 min
Lab File: VU052474.D
Acq: 21 Dec 2022 12:49

Tgt Ion: 129 Resp: 1633570
Ion Ratio Lower Upper
129 100
127 0.0 54.2 100.6#

