

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121522\
 Data File : VU052418.D
 Acq On : 15 Dec 2022 16:04
 Operator : JC/MD
 Sample : N6034-13
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BGPk3

Quant Time: Dec 16 00:20:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 16 00:19:11 2022
 Response via : Initial Calibration

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

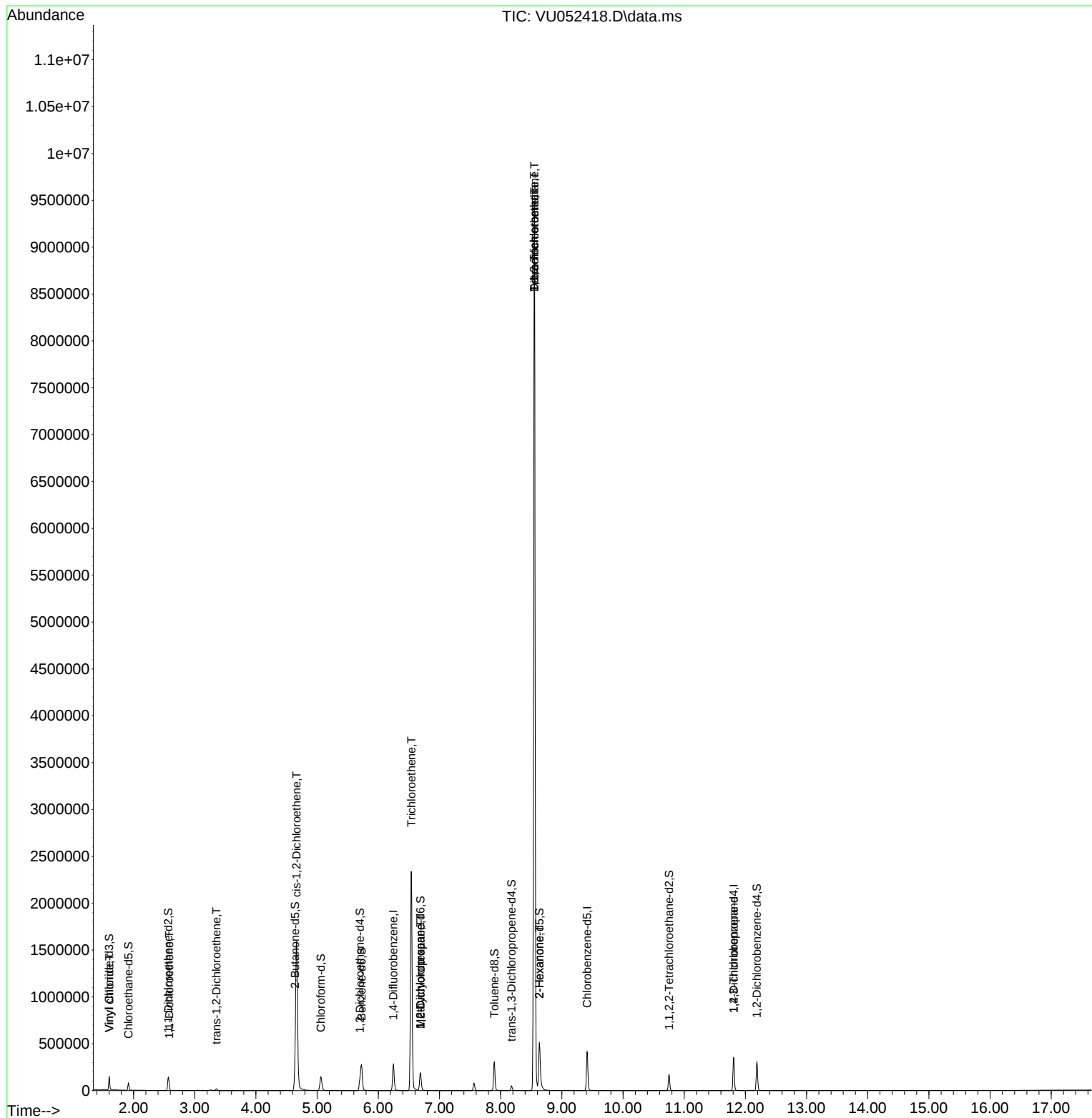
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	235061	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	239561	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	101485	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	60773	2.658	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	53.200%
7) Chloroethane-d5	1.916	69	59784	3.366	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	67.400%
11) 1,1-Dichloroethene-d2	2.568	65	26600	3.246	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.000%
20) 2-Butanone-d5	4.642	46	242546	58.523	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.040%
24) Chloroform-d	5.060	84	140584	4.185	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.600%
26) 1,2-Dichloroethane-d4	5.700	65	74121	4.368	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.400%
32) Benzene-d6	5.726	84	273611	3.847	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.000%
36) 1,2-Dichloropropane-d6	6.687	67	98049	4.455	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.000%
41) Toluene-d8	7.896	98	210672	3.274	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	65.400%#
43) trans-1,3-Dichloroprop...	8.179	79	30474	3.799	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.000%
46) 2-Hexanone-d5	8.633	63	184949	54.411	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.820%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	89502	4.690	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.800%
66) 1,2-Dichlorobenzene-d4	12.189	152	85457	4.398	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.000%
Target Compounds						
5) Vinyl chloride	1.604	62	51324	2.008	ug/L	98
12) 1,1-Dichloroethene	2.581	96	3860	0.226	ug/L #	1
18) trans-1,2-Dichloroethene	3.356	96	7726	0.423	ug/L	94
22) cis-1,2-Dichloroethene	4.665	96	844417	44.018	ug/L	98
34) Trichloroethene	6.539	95	828860	42.624	ug/L	98
35) Methylcyclohexane	6.691	83	21418	0.766	ug/L #	19
37) 1,2-Dichloropropane	6.687	63	9515	0.471	ug/L #	89
45) 1,1,2-Trichloroethane	8.549	97	16289	1.074	ug/L #	1
47) Tetrachloroethene	8.552	164	2138977	143.524	ug/L	99
48) 2-Hexanone	8.633	43	21542	2.787	ug/L #	78
49) Dibromochloromethane	8.552	129	2054067	120.902	ug/L #	12
61) 1,2,3-Trichloropropane	11.809	75	11418	0.983	ug/L #	66

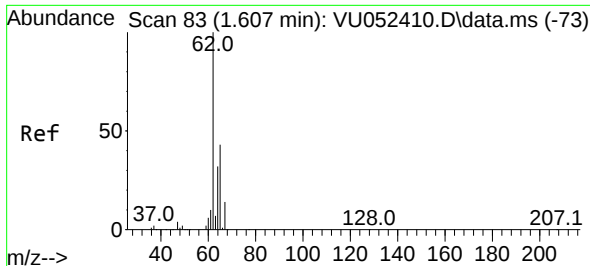
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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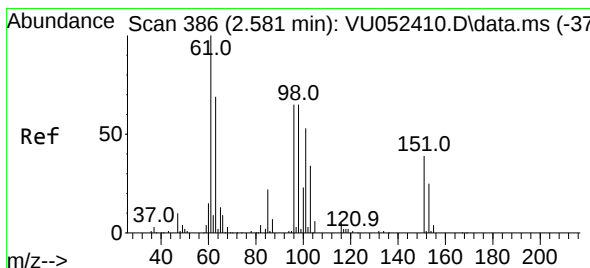
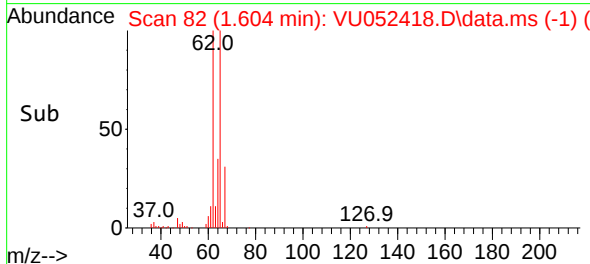
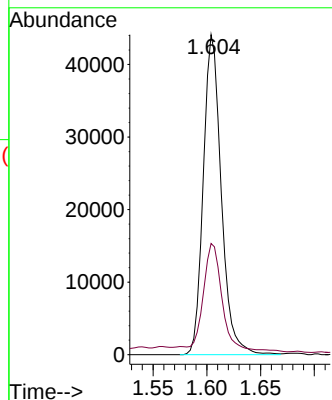
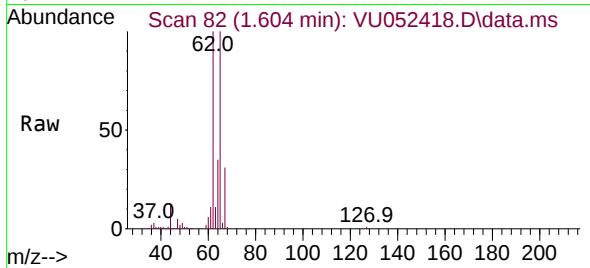




#5
 Vinyl chloride
 Concen: 2.008 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU052418.D
 Acq: 15 Dec 2022 16:04

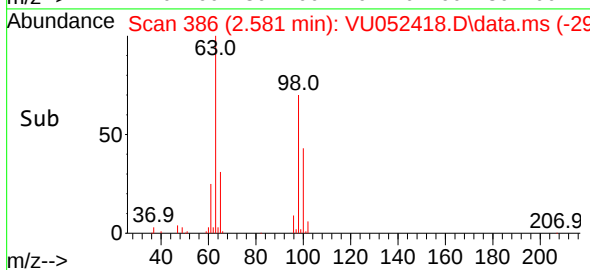
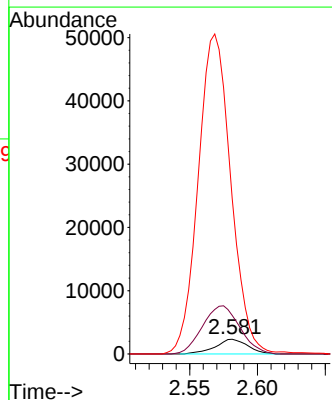
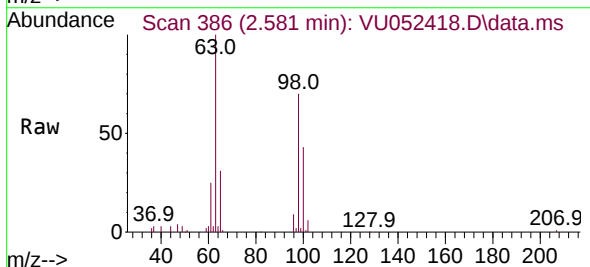
Instrument :
 MSVOA_U
 ClientSampleId :
 BGPK3

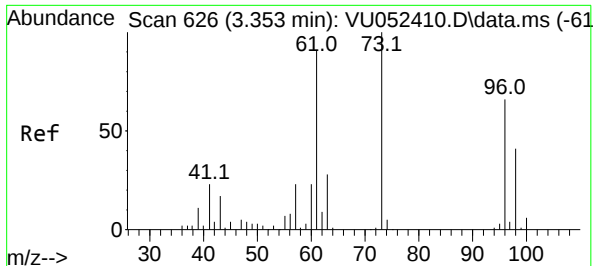
Tgt Ion: 62 Resp: 51324
 Ion Ratio Lower Upper
 62 100
 64 34.7 23.5 43.7



#12
 1,1-Dichloroethene
 Concen: 0.226 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU052418.D
 Acq: 15 Dec 2022 16:04

Tgt Ion: 96 Resp: 3860
 Ion Ratio Lower Upper
 96 100
 61 261.8 114.8 213.2#
 63 1053.8 93.7 174.1#





#18

trans-1,2-Dichloroethene

Concen: 0.423 ug/L

RT: 3.356 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU052418.D

Acq: 15 Dec 2022 16:04

Instrument :

MSVOA_U

ClientSampleId :

BGPK3

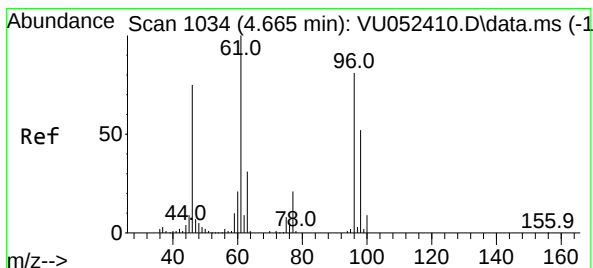
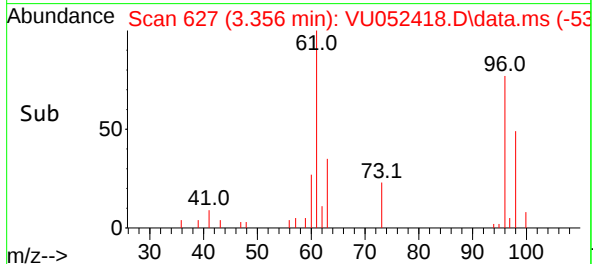
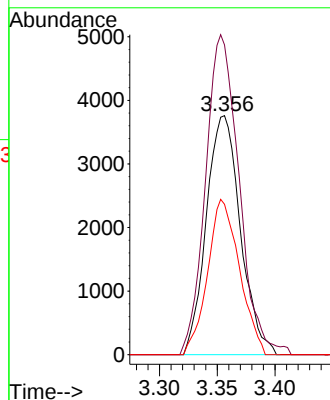
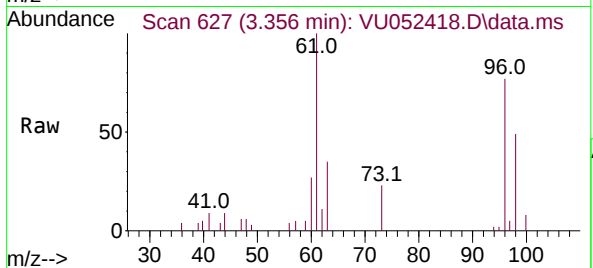
Tgt Ion: 96 Resp: 7726

Ion Ratio Lower Upper

96 100

61 129.6 97.9 181.7

98 62.9 43.8 81.3



#22

cis-1,2-Dichloroethene

Concen: 44.018 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU052418.D

Acq: 15 Dec 2022 16:04

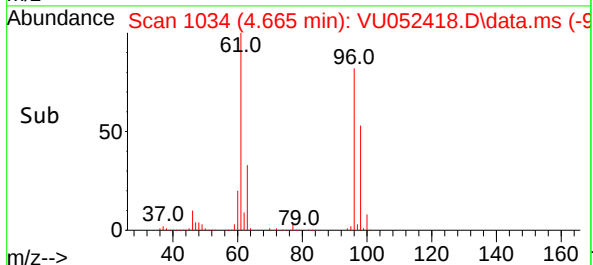
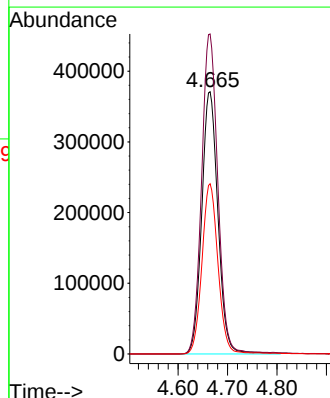
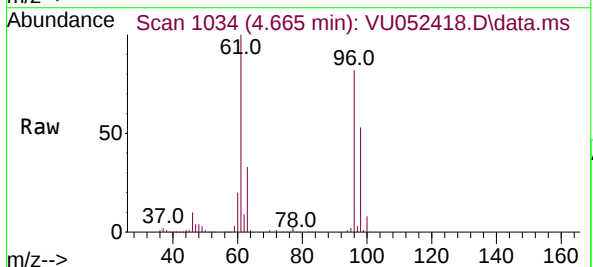
Tgt Ion: 96 Resp: 844417

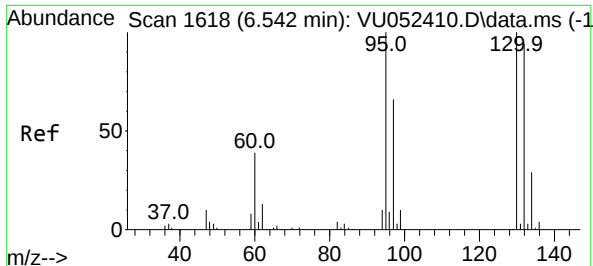
Ion Ratio Lower Upper

96 100

61 122.1 85.1 158.1

98 65.0 42.8 79.6

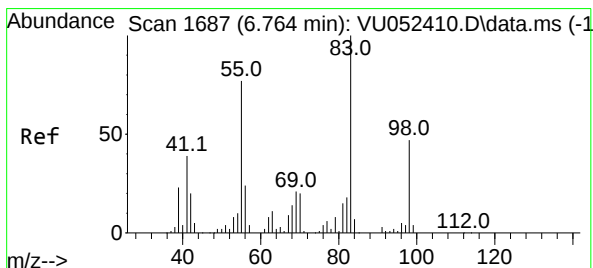
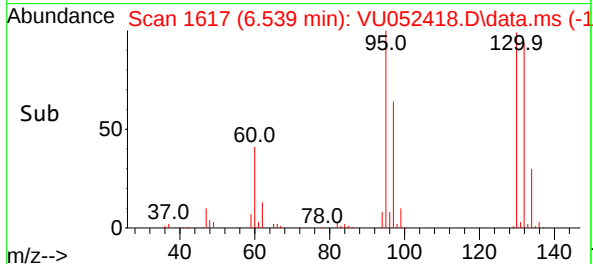
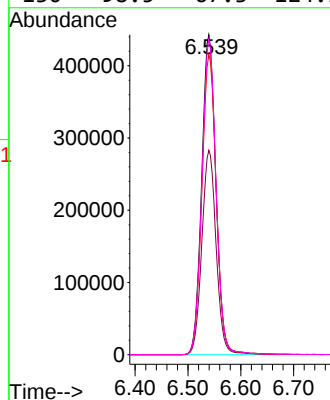
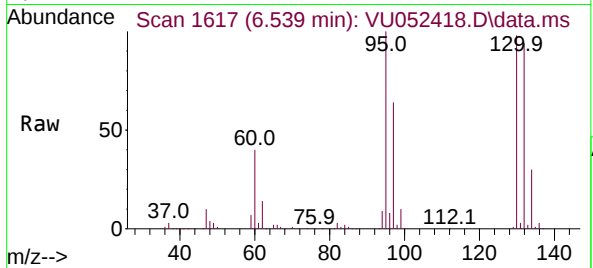




#34
 Trichloroethene
 Concen: 42.624 ug/L
 RT: 6.539 min Scan# 1
 Delta R.T. -0.003 min
 Lab File: VU052418.D
 Acq: 15 Dec 2022 16:04

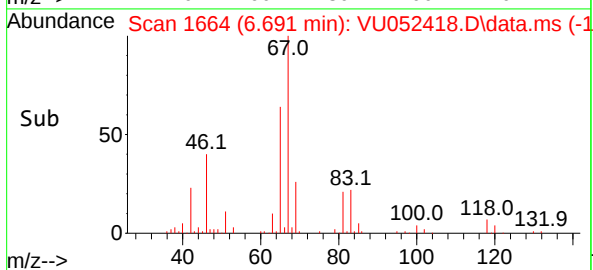
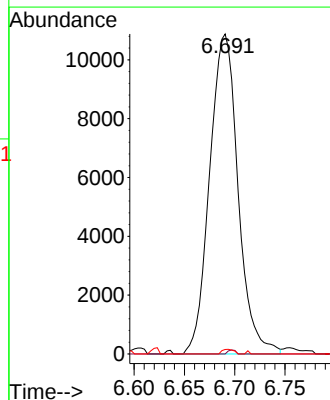
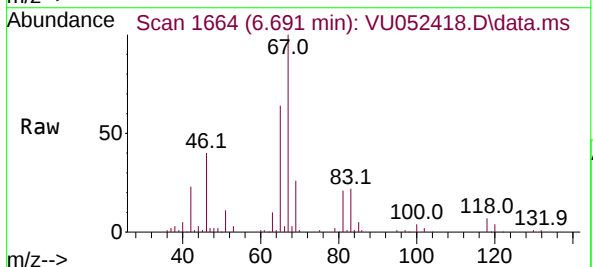
Instrument :
 MSVOA_U
 ClientSampleId :
 BGP3

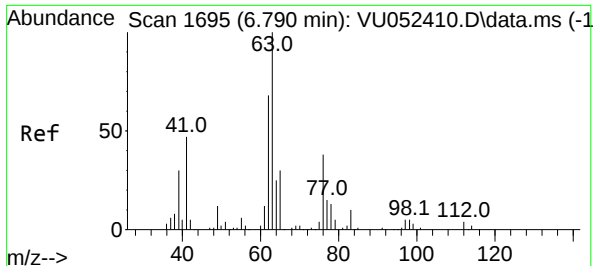
Tgt Ion: 95 Resp: 828860
 Ion Ratio Lower Upper
 95 100
 97 63.8 43.7 81.1
 132 93.7 64.3 119.3
 130 98.5 67.3 124.9



#35
 Methylcyclohexane
 Concen: 0.766 ug/L
 RT: 6.691 min Scan# 1664
 Delta R.T. -0.074 min
 Lab File: VU052418.D
 Acq: 15 Dec 2022 16:04

Tgt Ion: 83 Resp: 21418
 Ion Ratio Lower Upper
 83 100
 55 0.3 60.8 91.2#
 98 0.0 35.1 52.7#





#37

1,2-Dichloropropane

Concen: 0.471 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU052418.D

Acq: 15 Dec 2022 16:04

Instrument :

MSVOA_U

ClientSampleId :

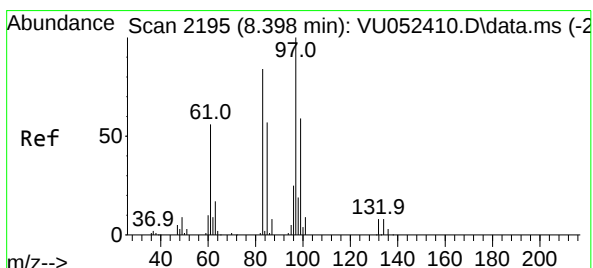
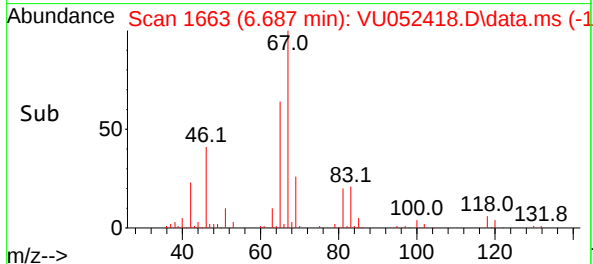
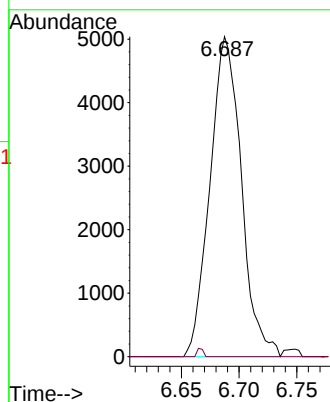
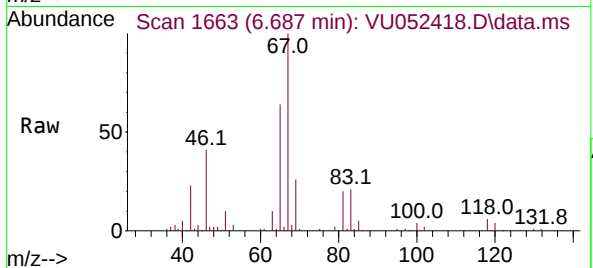
BGPK3

Tgt Ion: 63 Resp: 9515

Ion Ratio Lower Upper

63 100

112 0.5 3.3 4.9#



#45

1,1,2-Trichloroethane

Concen: 1.074 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. 0.151 min

Lab File: VU052418.D

Acq: 15 Dec 2022 16:04

Tgt Ion: 97 Resp: 16289

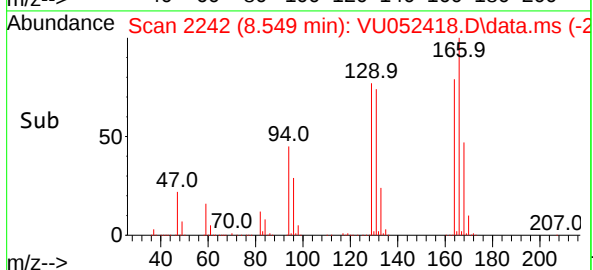
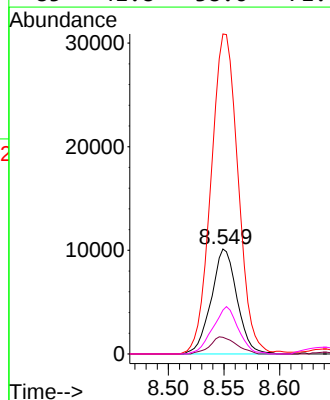
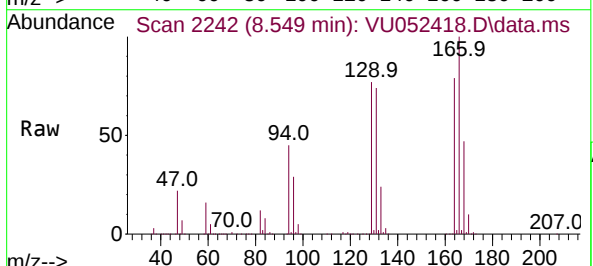
Ion Ratio Lower Upper

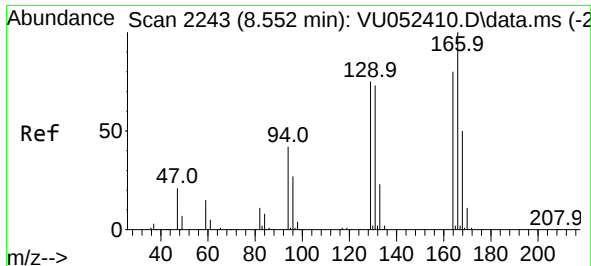
97 100

99 15.9 42.6 79.2#

83 304.8 60.7 112.7#

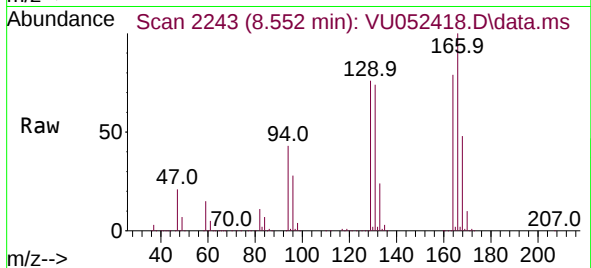
85 41.8 38.6 71.6





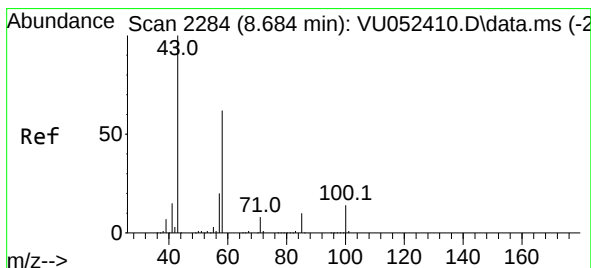
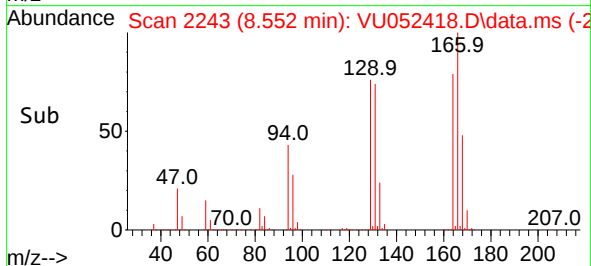
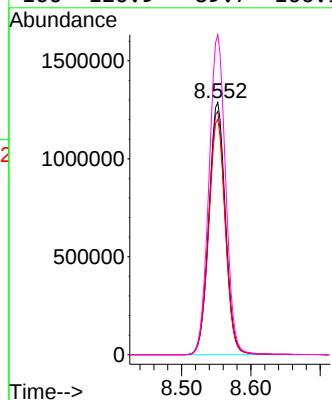
#47
Tetrachloroethene
Concen: 143.524 ug/L
RT: 8.552 min Scan# 2138977
Delta R.T. 0.000 min
Lab File: VU052418.D
Acq: 15 Dec 2022 16:04

Instrument :
MSVOA_U
ClientSampleId :
BGPk3



Tgt Ion:164 Resp: 2138977

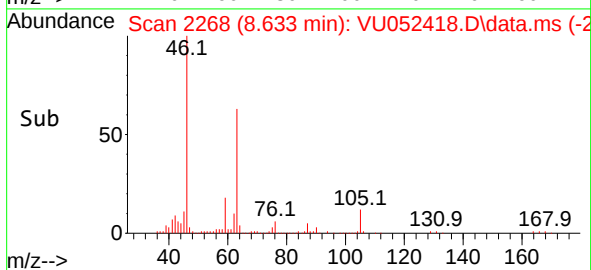
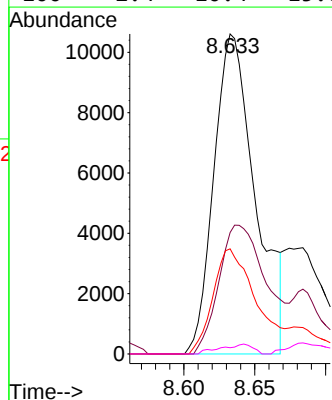
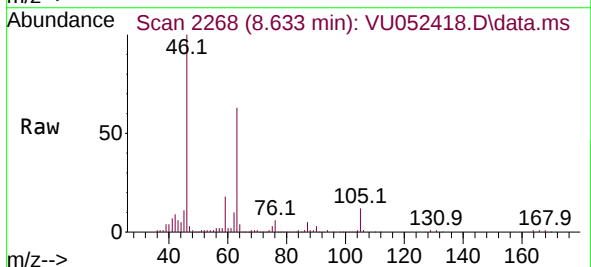
Ion	Ratio	Lower	Upper
164	100		
129	96.4	67.4	125.2
131	93.4	67.1	124.7
166	126.9	89.7	166.5

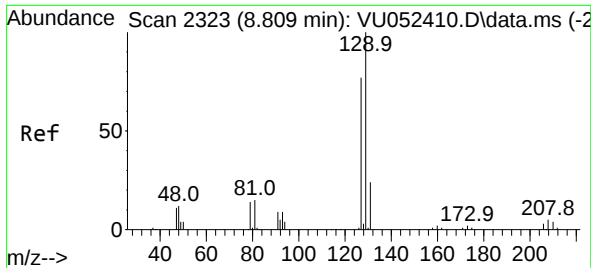


#48
2-Hexanone
Concen: 2.787 ug/L
RT: 8.633 min Scan# 2268
Delta R.T. -0.051 min
Lab File: VU052418.D
Acq: 15 Dec 2022 16:04

Tgt Ion: 43 Resp: 21542

Ion	Ratio	Lower	Upper
43	100		
58	47.4	49.4	74.0#
57	34.1	16.3	24.5#
100	2.4	10.4	15.6#

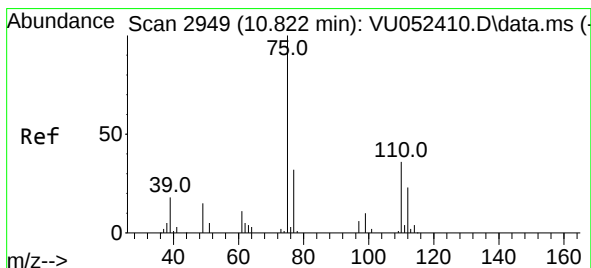
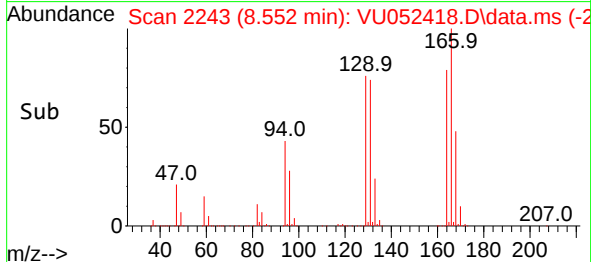
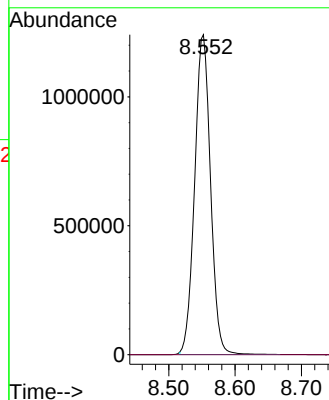
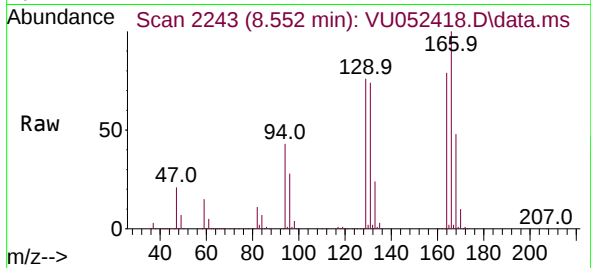




#49
Dibromochloromethane
Concen: 120.902 ug/L
RT: 8.552 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU052418.D
Acq: 15 Dec 2022 16:04

Instrument :
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ClientSampleId :
BGPk3

Tgt Ion:129 Resp: 2054067
Ion Ratio Lower Upper
129 100
127 0.0 52.8 98.2#



#61
1,2,3-Trichloropropane
Concen: 0.983 ug/L
RT: 11.809 min Scan# 3256
Delta R.T. 0.987 min
Lab File: VU052418.D
Acq: 15 Dec 2022 16:04

Tgt Ion: 75 Resp: 11418
Ion Ratio Lower Upper
75 100
110 0.5 28.3 42.5#
77 29.2 26.2 39.2

