

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121522\
 Data File : VU052419.D
 Acq On : 15 Dec 2022 16:27
 Operator : JC/MD
 Sample : N6031-14
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BGP4

Quant Time: Dec 16 00:21:11 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)

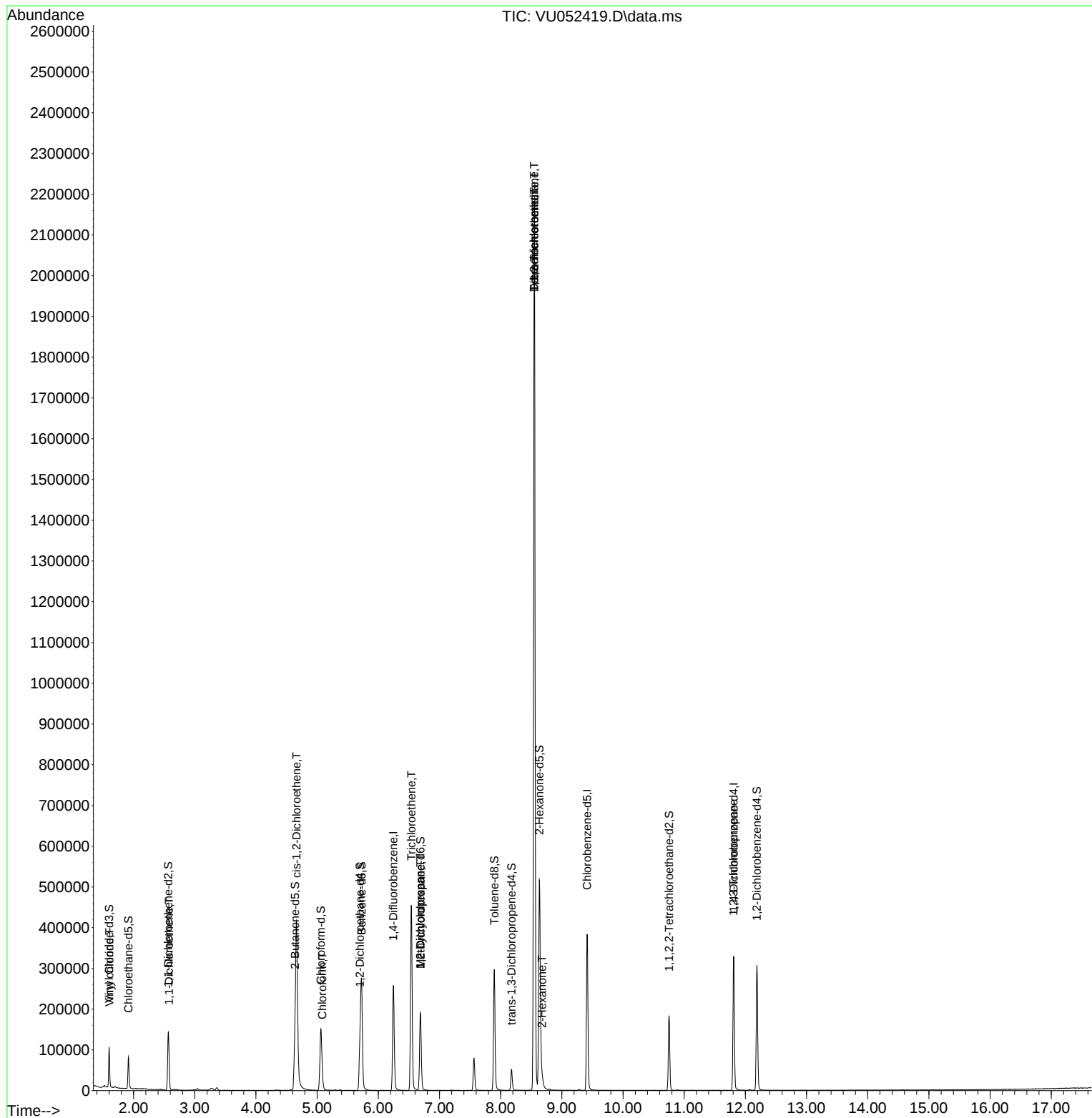
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	215951	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	225123	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	92636	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	60993	2.904	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	58.000%
7) Chloroethane-d5	1.915	69	59764	3.663	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.200%
11) 1,1-Dichloroethene-d2	2.568	65	26581	3.530	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.600%
20) 2-Butanone-d5	4.639	46	253106	66.475	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	132.940%#
24) Chloroform-d	5.060	84	144458	4.680	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.600%
26) 1,2-Dichloroethane-d4	5.700	65	77170	4.950	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.000%
32) Benzene-d6	5.726	84	267786	4.007	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.200%
36) 1,2-Dichloropropane-d6	6.687	67	97423	4.710	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.200%
41) Toluene-d8	7.896	98	209793	3.469	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.400%#
43) trans-1,3-Dichloroprop...	8.179	79	30972	4.109	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.200%
46) 2-Hexanone-d5	8.632	63	179478	56.188	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.380%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	95370	5.318	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.400%
66) 1,2-Dichlorobenzene-d4	12.188	152	87793	4.950	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	11610	0.494	ug/L #	82
12) 1,1-Dichloroethene	2.578	96	3348	0.214	ug/L #	1
22) cis-1,2-Dichloroethene	4.665	96	186088	10.559	ug/L	98
25) Chloroform	5.083	83	15145	0.494	ug/L	99
34) Trichloroethene	6.539	95	165410	9.052	ug/L	98
35) Methylcyclohexane	6.687	83	21349	0.812	ug/L #	19
37) 1,2-Dichloropropane	6.687	63	9695	0.511	ug/L #	88
45) 1,1,2-Trichloroethane	8.549	97	3990	0.280	ug/L #	1
47) Tetrachloroethene	8.549	164	501843	35.833	ug/L	98
48) 2-Hexanone	8.677	43	6679	0.919	ug/L #	85
49) Dibromochloromethane	8.549	129	476720	29.859	ug/L #	12
61) 1,2,3-Trichloropropane	11.806	75	10695	1.009	ug/L #	70

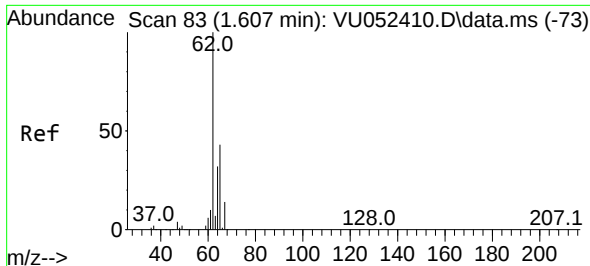
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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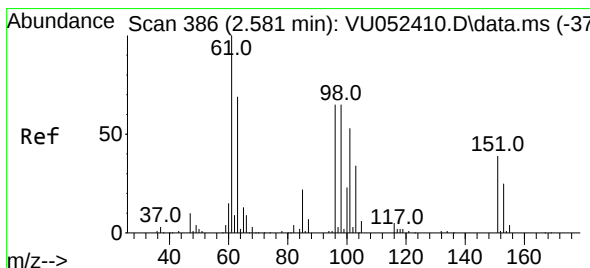
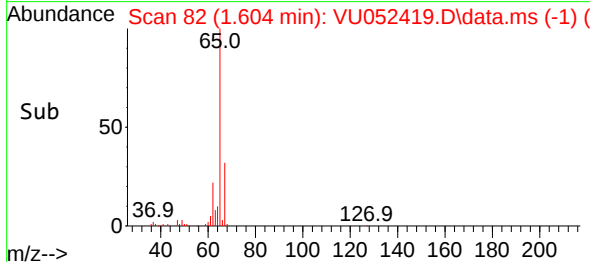
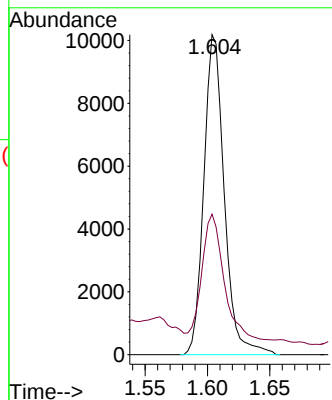
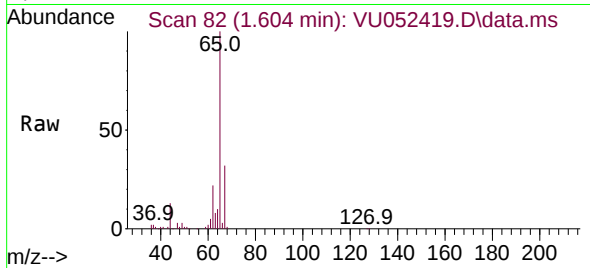




#5
 Vinyl chloride
 Concen: 0.494 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU052419.D
 Acq: 15 Dec 2022 16:27

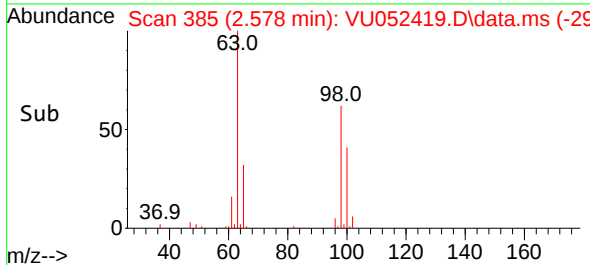
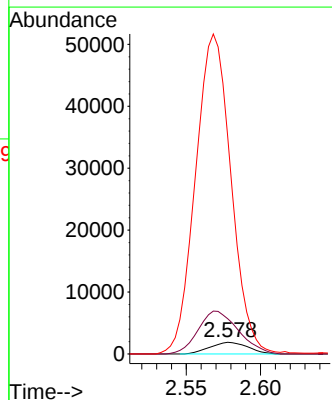
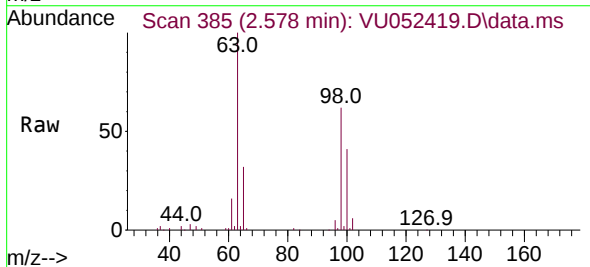
Instrument :
 MSVOA_U
 ClientSampleId :
 BGPK4

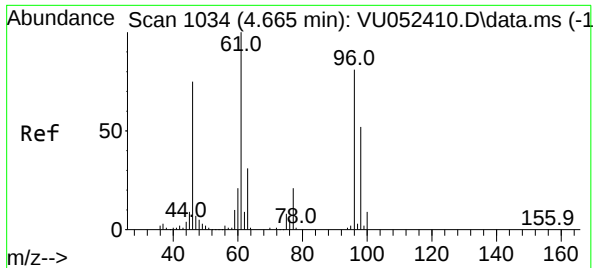
Tgt Ion: 62 Resp: 11610
 Ion Ratio Lower Upper
 62 100
 64 43.9 23.5 43.7#



#12
 1,1-Dichloroethene
 Concen: 0.214 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.003 min
 Lab File: VU052419.D
 Acq: 15 Dec 2022 16:27

Tgt Ion: 96 Resp: 3348
 Ion Ratio Lower Upper
 96 100
 61 301.4 114.8 213.2#
 63 1863.0 93.7 174.1#

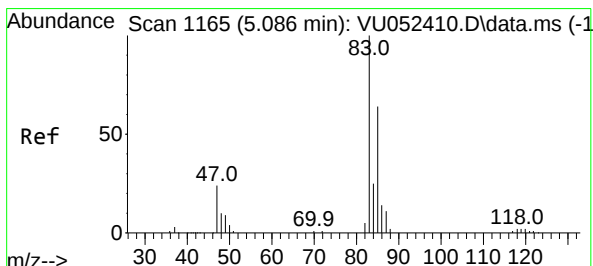
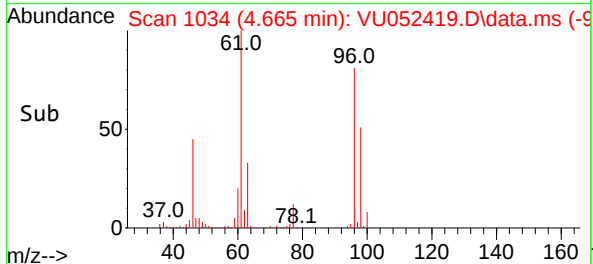
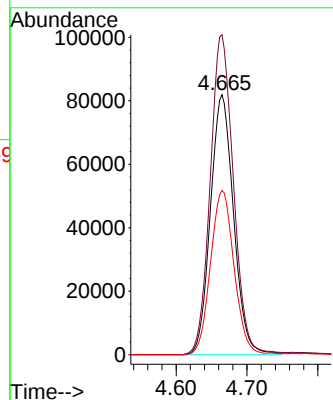
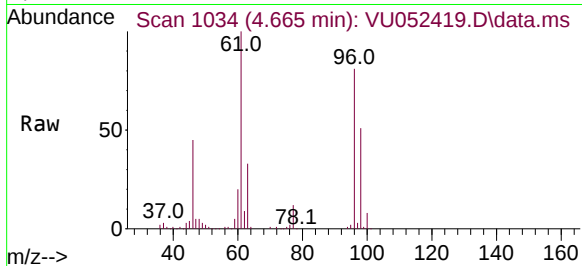




#22
 cis-1,2-Dichloroethene
 Concen: 10.559 ug/L
 RT: 4.665 min Scan# 1164
 Delta R.T. -0.000 min
 Lab File: VU052419.D
 Acq: 15 Dec 2022 16:27

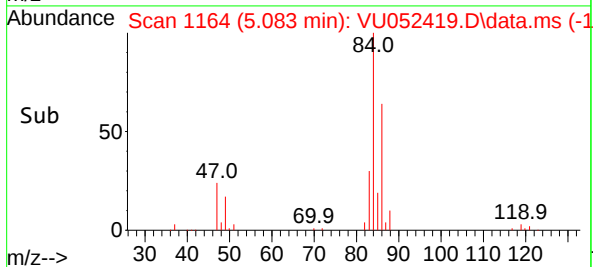
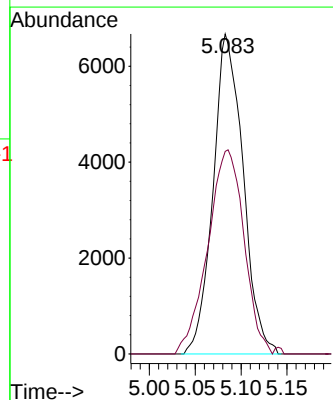
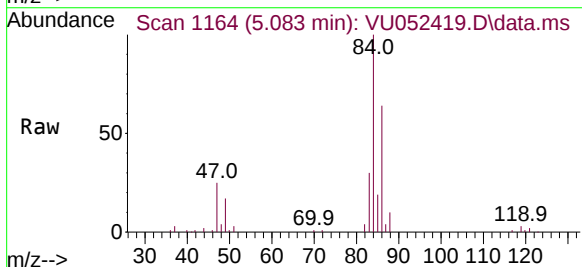
Instrument :
 MSVOA_U
 ClientSampleId :
 BGPK4

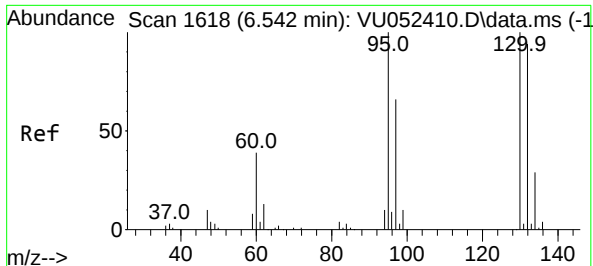
Tgt Ion: 96 Resp: 186088
 Ion Ratio Lower Upper
 96 100
 61 123.0 85.1 158.1
 98 63.2 42.8 79.6



#25
 Chloroform
 Concen: 0.494 ug/L
 RT: 5.083 min Scan# 1164
 Delta R.T. -0.003 min
 Lab File: VU052419.D
 Acq: 15 Dec 2022 16:27

Tgt Ion: 83 Resp: 15145
 Ion Ratio Lower Upper
 83 100
 85 63.3 43.8 81.4

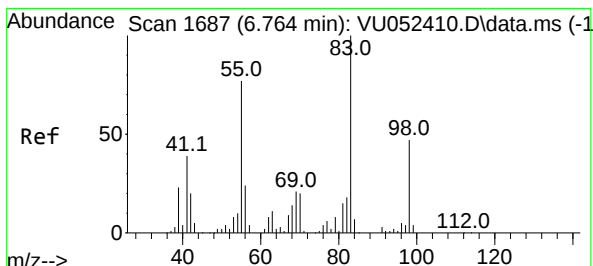
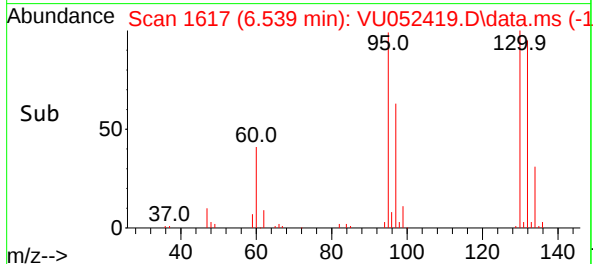
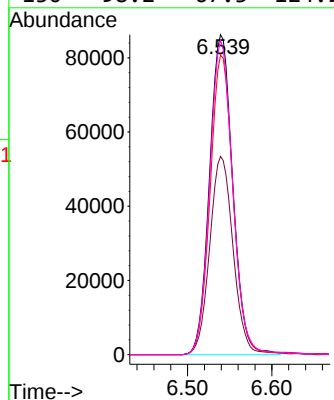
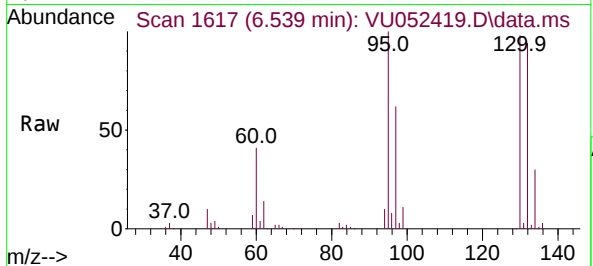




#34
Trichloroethene
Concen: 9.052 ug/L
RT: 6.539 min Scan# 1654
Delta R.T. -0.003 min
Lab File: VU052419.D
Acq: 15 Dec 2022 16:27

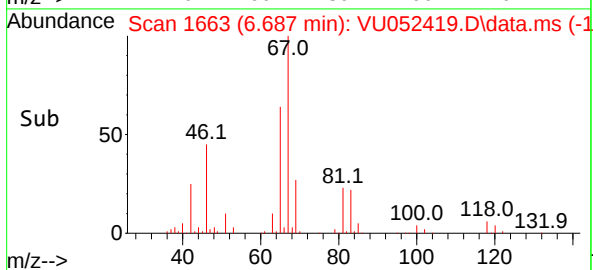
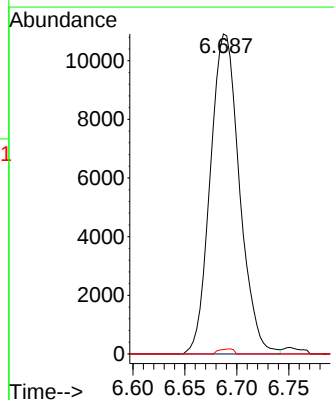
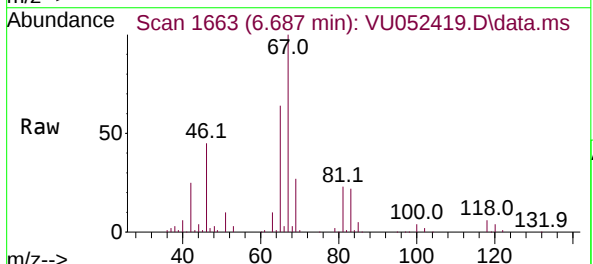
Instrument :
MSVOA_U
ClientSampleId :
BGPk4

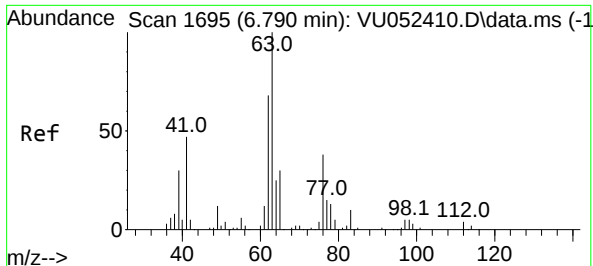
Tgt Ion: 95 Resp: 165410
Ion Ratio Lower Upper
95 100
97 61.9 43.7 81.1
132 93.7 64.3 119.3
130 98.2 67.3 124.9



#35
Methylcyclohexane
Concen: 0.812 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.077 min
Lab File: VU052419.D
Acq: 15 Dec 2022 16:27

Tgt Ion: 83 Resp: 21349
Ion Ratio Lower Upper
83 100
55 0.0 60.8 91.2#
98 0.8 35.1 52.7#





#37

1,2-Dichloropropane

Concen: 0.511 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU052419.D

Acq: 15 Dec 2022 16:27

Instrument :

MSVOA_U

ClientSampleId :

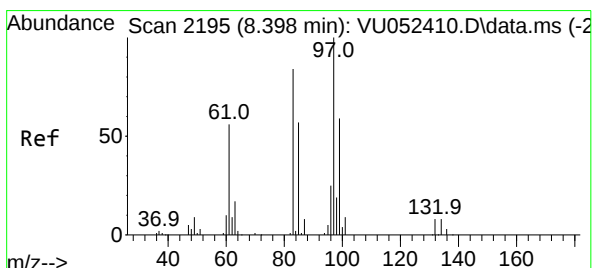
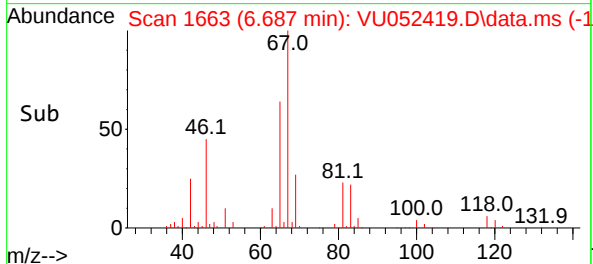
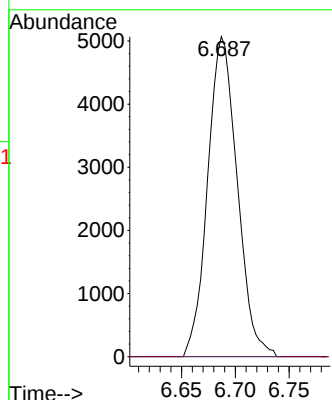
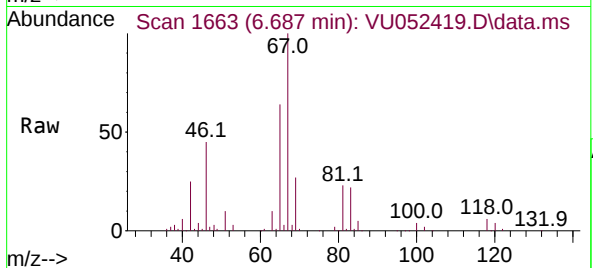
BGPK4

Tgt Ion: 63 Resp: 9695

Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#



#45

1,1,2-Trichloroethane

Concen: 0.280 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. 0.151 min

Lab File: VU052419.D

Acq: 15 Dec 2022 16:27

Tgt Ion: 97 Resp: 3990

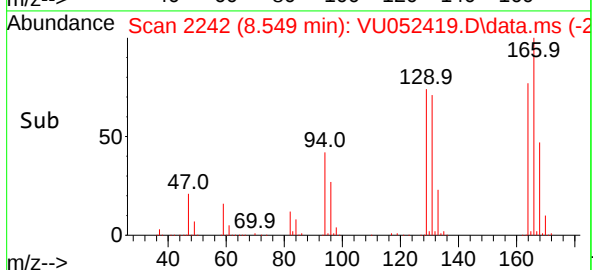
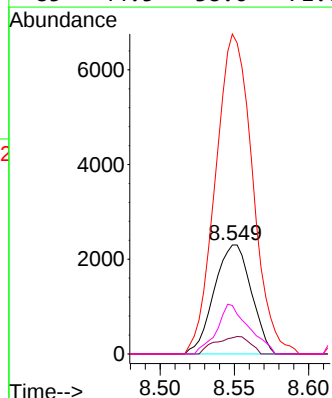
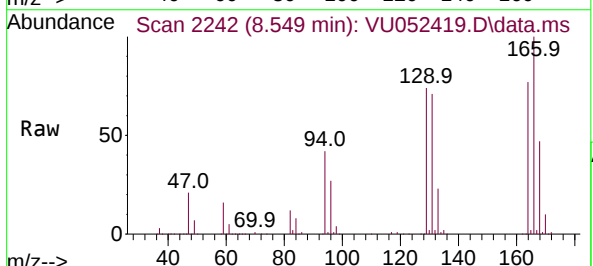
Ion Ratio Lower Upper

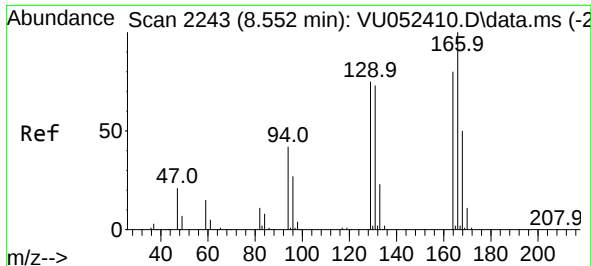
97 100

99 14.9 42.6 79.2#

83 293.6 60.7 112.7#

85 44.5 38.6 71.6

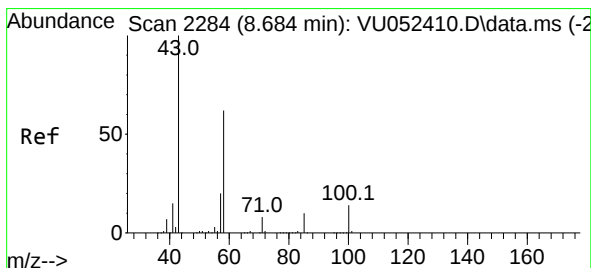
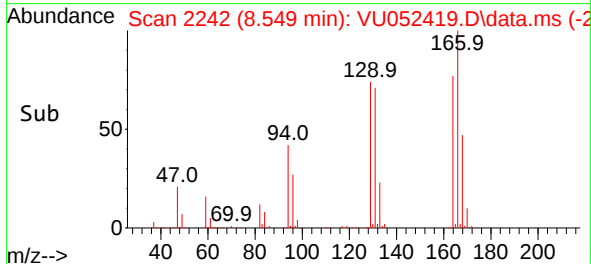
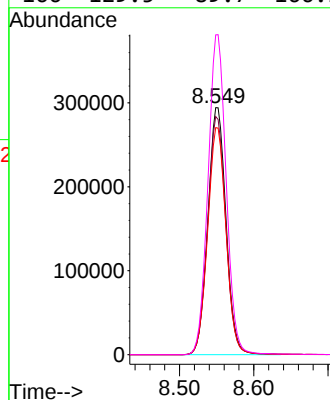
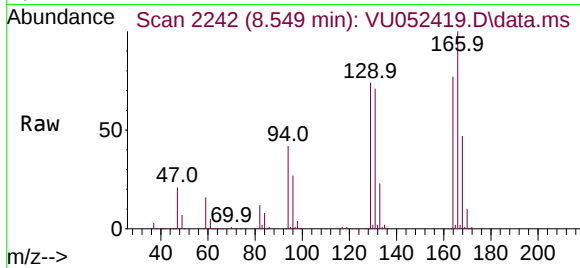




#47
Tetrachloroethene
Concen: 35.833 ug/L
RT: 8.549 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052419.D
Acq: 15 Dec 2022 16:27

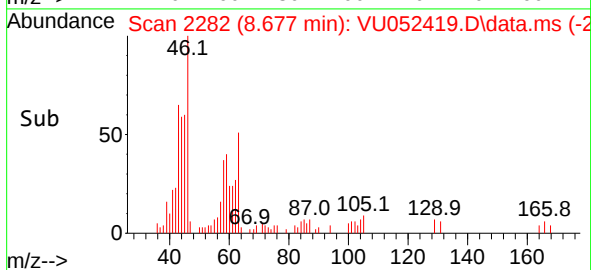
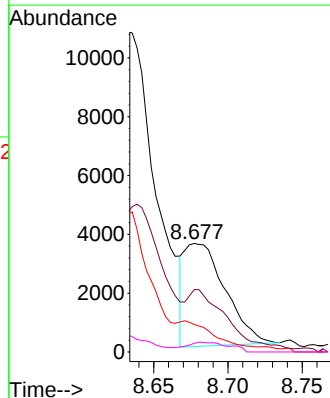
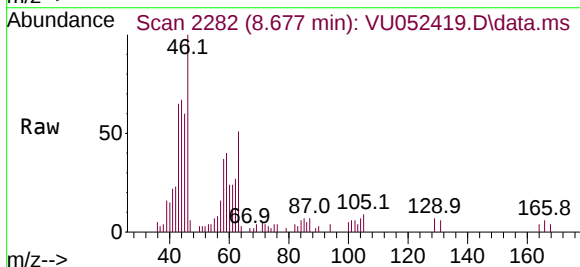
Instrument :
MSVOA_U
ClientSampleId :
BGPk4

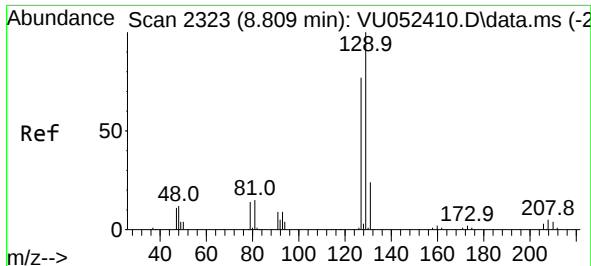
Tgt Ion:164 Resp: 501843
Ion Ratio Lower Upper
164 100
129 96.4 67.4 125.2
131 91.9 67.1 124.7
166 129.5 89.7 166.5



#48
2-Hexanone
Concen: 0.919 ug/L
RT: 8.677 min Scan# 2282
Delta R.T. -0.006 min
Lab File: VU052419.D
Acq: 15 Dec 2022 16:27

Tgt Ion: 43 Resp: 6679
Ion Ratio Lower Upper
43 100
58 53.6 49.4 74.0
57 4.7 16.3 24.5#
100 10.3 10.4 15.6#





#49

Dibromochloromethane

Concen: 29.859 ug/L

RT: 8.549 min Scan# 21

Delta R.T. -0.260 min

Lab File: VU052419.D

Acq: 15 Dec 2022 16:27

Instrument :

MSVOA_U

ClientSampleId :

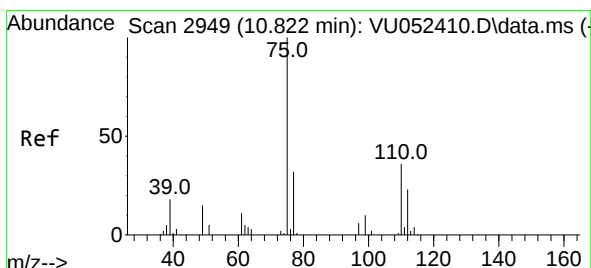
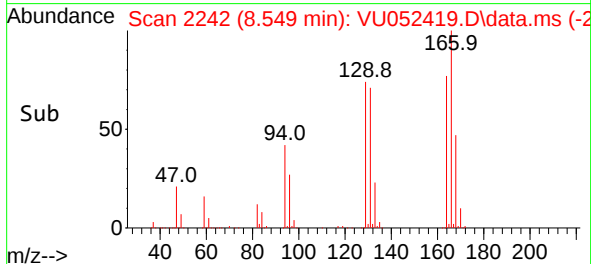
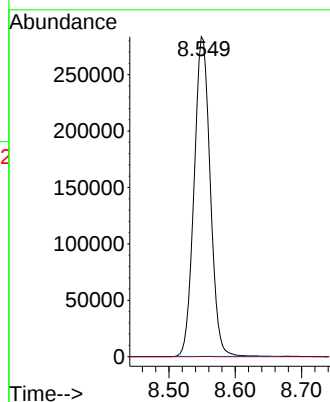
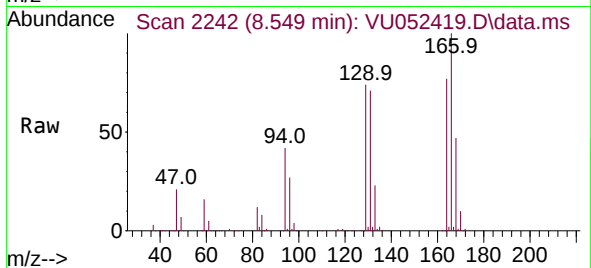
BGPK4

Tgt Ion:129 Resp: 476720

Ion Ratio Lower Upper

129 100

127 0.0 52.8 98.2#



#61

1,2,3-Trichloropropane

Concen: 1.009 ug/L

RT: 11.806 min Scan# 3255

Delta R.T. 0.984 min

Lab File: VU052419.D

Acq: 15 Dec 2022 16:27

Tgt Ion: 75 Resp: 10695

Ion Ratio Lower Upper

75 100

110 2.0 28.3 42.5#

77 33.5 26.2 39.2

