

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092023\
 Data File : VU055419.D
 Acq On : 20 Sep 2023 12:43
 Operator : MD/SY
 Sample : 04398-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4P5

Quant Time: Sep 21 00:28:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 21 00:26:15 2023
 Response via : Initial Calibration

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

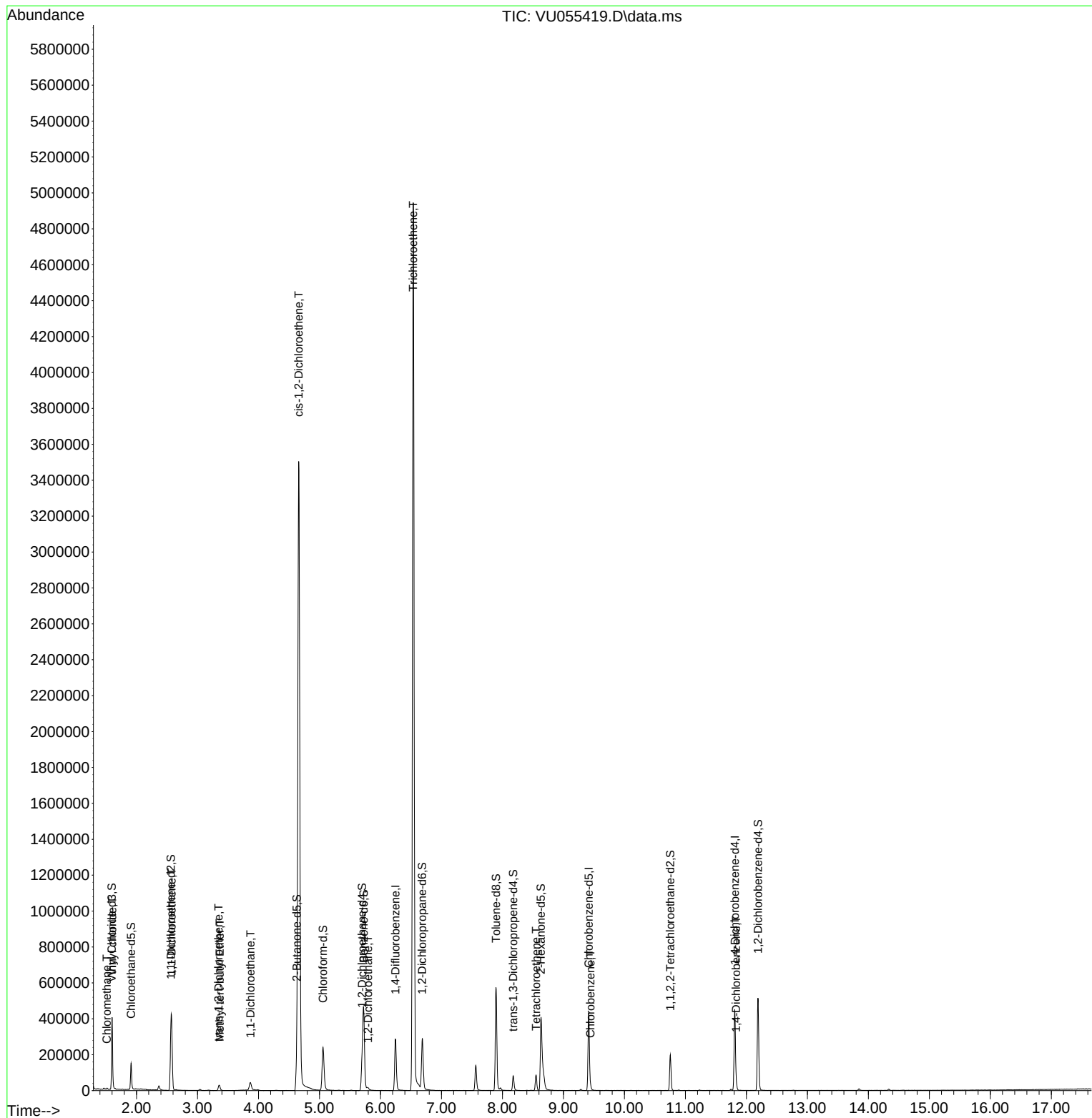
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	235788	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	241505	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	117466	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	113589	4.766	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.400%
7) Chloroethane-d5	1.911	69	100464	4.784	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.600%
11) 1,1-Dichloroethene-d2	2.563	65	49065	5.002	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.000%
20) 2-Butanone-d5	4.627	46	240089	55.777	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.560%
24) Chloroform-d	5.058	84	222172	5.154	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.000%
26) 1,2-Dichloroethane-d4	5.698	65	112781	5.439	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.800%
32) Benzene-d6	5.724	84	449748	5.324	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.400%
36) 1,2-Dichloropropane-d6	6.685	67	137664	5.454	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.000%
41) Toluene-d8	7.894	98	395313	5.134	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.600%
43) trans-1,3-Dichloroprop...	8.177	79	45904	5.183	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.600%
46) 2-Hexanone-d5	8.631	63	125656	46.641	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.280%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	99155	5.242	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	134136	5.658	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.515	50	4207	0.208	ug/L	97
5) Vinyl chloride	1.602	62	187038	8.585	ug/L	97
12) 1,1-Dichloroethene	2.576	96	88867	5.391	ug/L	92
17) Methyl tert-butyl Ether	3.364	73	18926	0.529	ug/L	95
18) trans-1,2-Dichloroethene	3.348	96	5652	0.340	ug/L	99
19) 1,1-Dichloroethane	3.869	63	47944	1.560	ug/L	95
22) cis-1,2-Dichloroethene	4.660	96	1849528	96.006	ug/L	99
27) 1,2-Dichloroethane	5.795	62	9100	0.456	ug/L #	83
34) Trichloroethene	6.537	95	1709979	86.969	ug/L	97
47) Tetrachloroethene	8.553	164	20071	1.423	ug/L	97
51) Chlorobenzene	9.444	112	7764	0.163	ug/L	92
65) 1,4-Dichlorobenzene	11.833	146	9543	0.295	ug/L	99

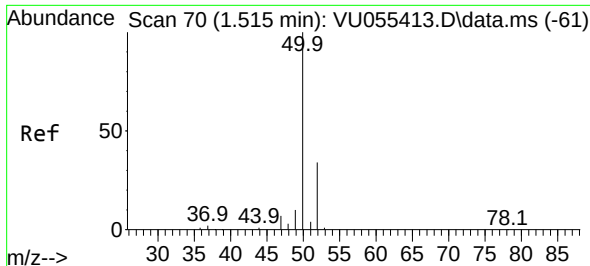
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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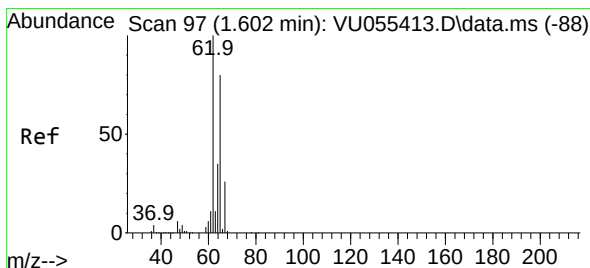
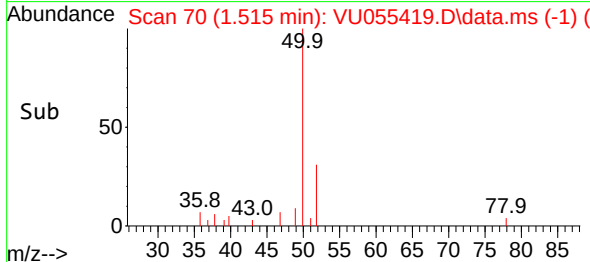
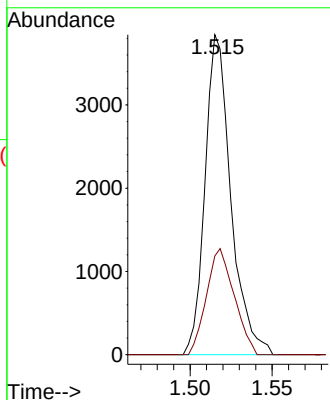
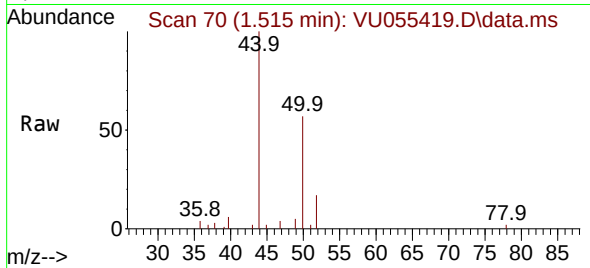




#3
Chloromethane
Concen: 0.208 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.000 min
Lab File: VU055419.D
Acq: 20 Sep 2023 12:43

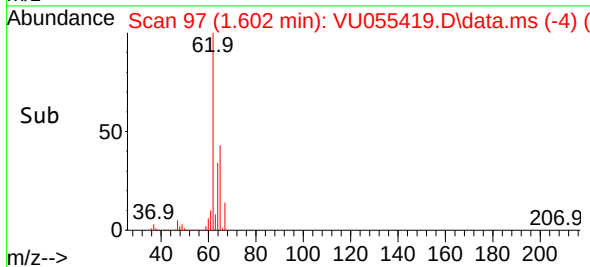
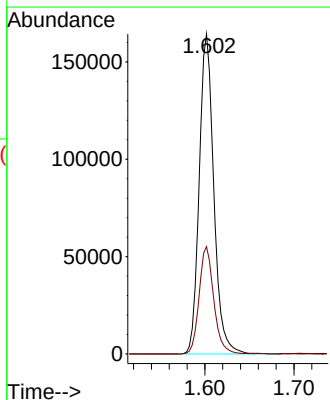
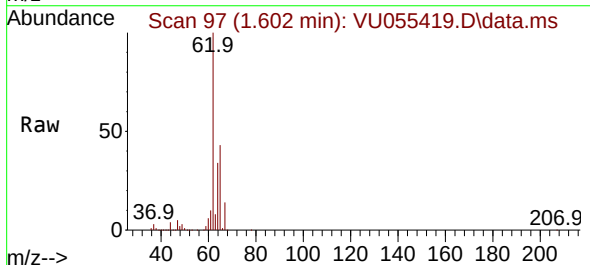
Instrument :
MSVOA_U
ClientSampleId :
BH4P5

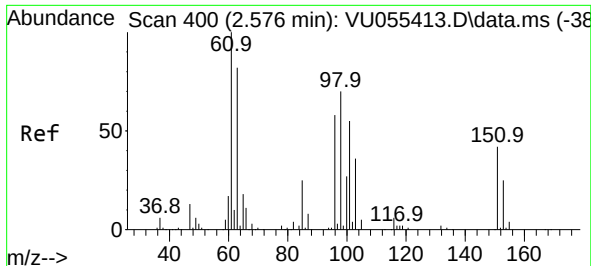
Tgt Ion: 50 Resp: 4207
Ion Ratio Lower Upper
50 100
52 30.9 22.9 42.5



#5
Vinyl chloride
Concen: 8.585 ug/L
RT: 1.602 min Scan# 97
Delta R.T. -0.000 min
Lab File: VU055419.D
Acq: 20 Sep 2023 12:43

Tgt Ion: 62 Resp: 187038
Ion Ratio Lower Upper
62 100
64 33.6 22.3 41.5

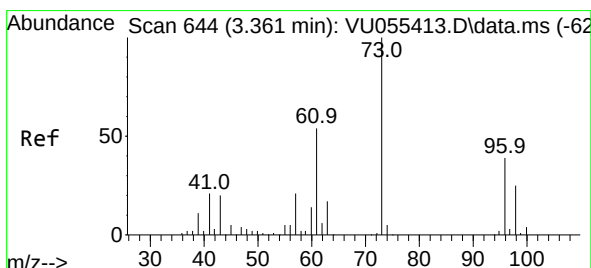
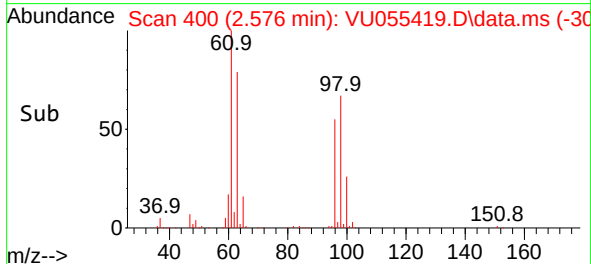
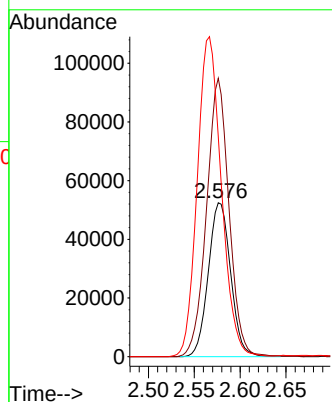
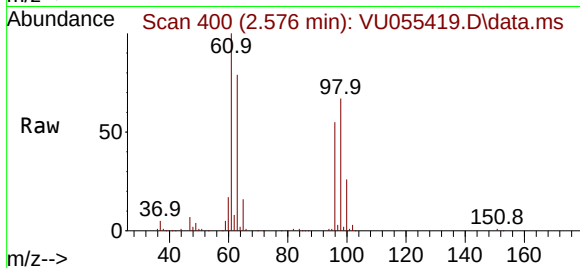




#12
1,1-Dichloroethene
Concen: 5.391 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU055419.D
Acq: 20 Sep 2023 12:43

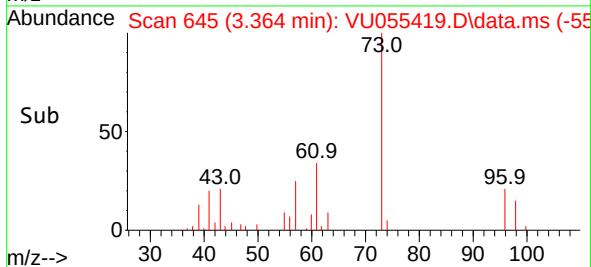
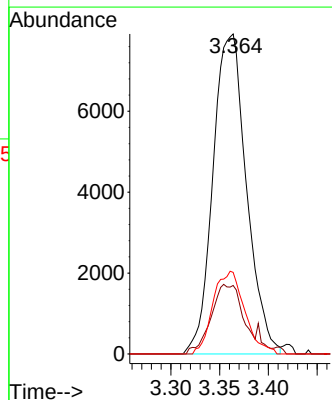
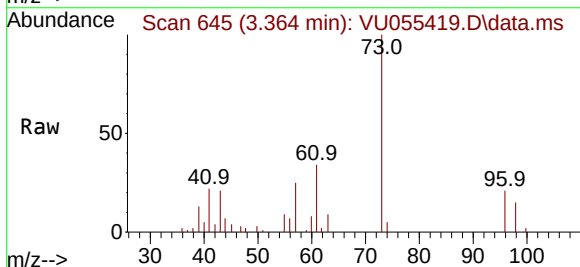
Instrument :
MSVOA_U
ClientSampleId :
BH4P5

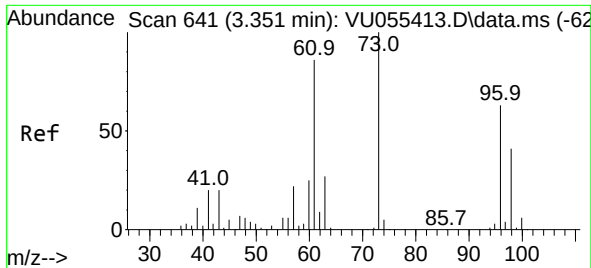
Tgt Ion: 96 Resp: 88867
Ion Ratio Lower Upper
96 100
61 180.9 114.5 212.7
63 143.0 98.3 182.5



#17
Methyl tert-butyl Ether
Concen: 0.529 ug/L
RT: 3.364 min Scan# 645
Delta R.T. 0.003 min
Lab File: VU055419.D
Acq: 20 Sep 2023 12:43

Tgt Ion: 73 Resp: 18926
Ion Ratio Lower Upper
73 100
43 20.5 14.9 22.3
57 24.4 17.3 25.9

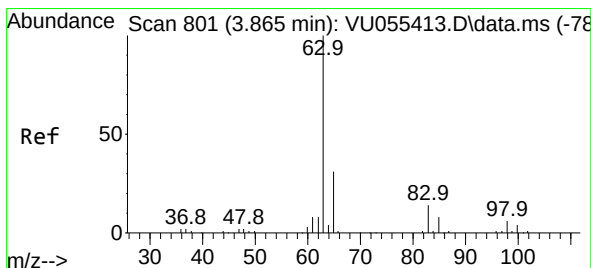
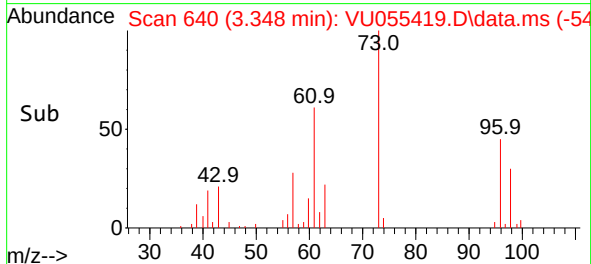
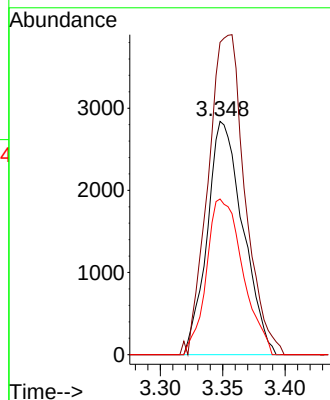
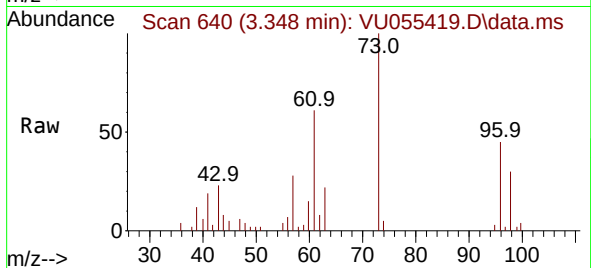




#18
trans-1,2-Dichloroethene
Concen: 0.340 ug/L
RT: 3.348 min Scan# 641
Delta R.T. -0.003 min
Lab File: VU055419.D
Acq: 20 Sep 2023 12:43

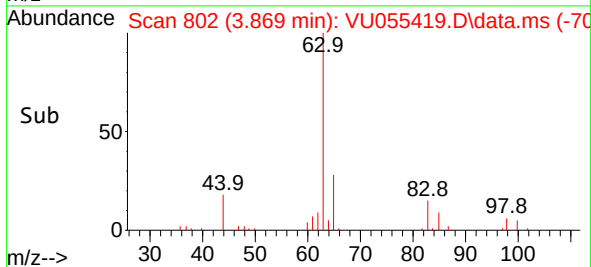
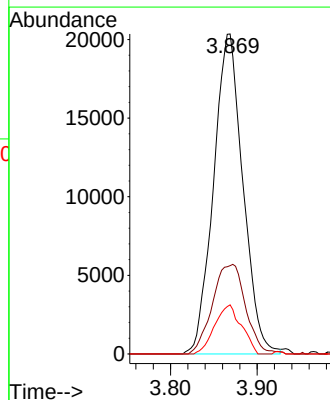
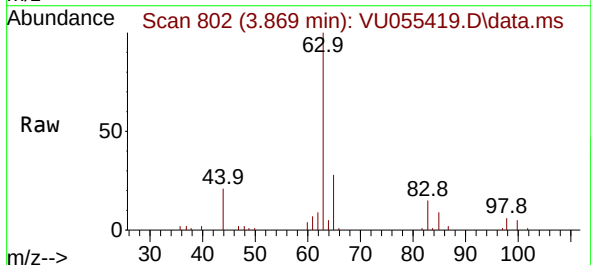
Instrument :
MSVOA_U
ClientSampleId :
BH4P5

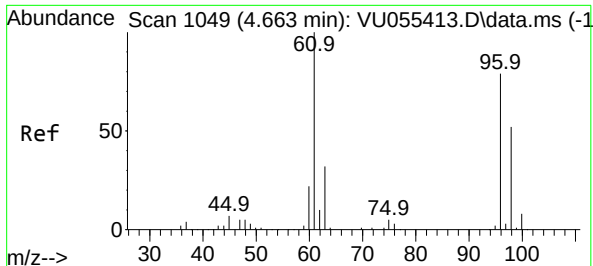
Tgt Ion: 96 Resp: 5652
Ion Ratio Lower Upper
96 100
61 133.9 94.6 175.6
98 66.7 45.7 84.9



#19
1,1-Dichloroethane
Concen: 1.560 ug/L
RT: 3.869 min Scan# 802
Delta R.T. 0.003 min
Lab File: VU055419.D
Acq: 20 Sep 2023 12:43

Tgt Ion: 63 Resp: 47944
Ion Ratio Lower Upper
63 100
65 27.6 22.0 41.0
83 15.4 10.1 18.9





#22

cis-1,2-Dichloroethene

Concen: 96.006 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. -0.003 min

Lab File: VU055419.D

Acq: 20 Sep 2023 12:43

Instrument :

MSVOA_U

ClientSampleId :

BH4P5

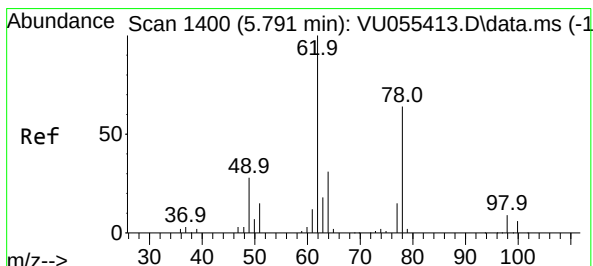
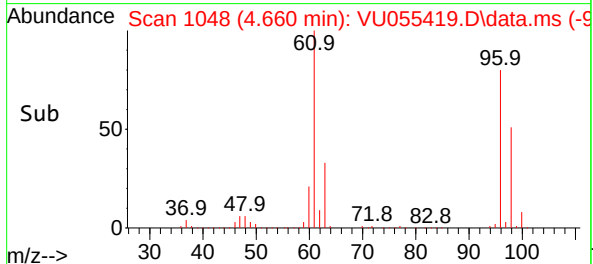
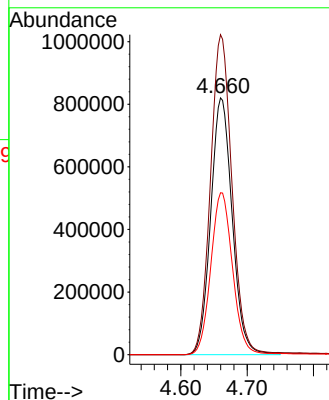
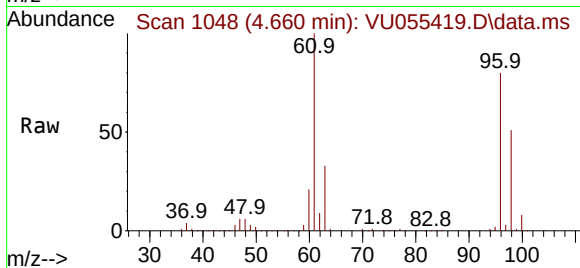
Tgt Ion: 96 Resp: 1849528

Ion Ratio Lower Upper

96 100

61 124.6 87.8 163.2

98 63.0 44.4 82.4



#27

1,2-Dichloroethane

Concen: 0.456 ug/L

RT: 5.795 min Scan# 1401

Delta R.T. 0.003 min

Lab File: VU055419.D

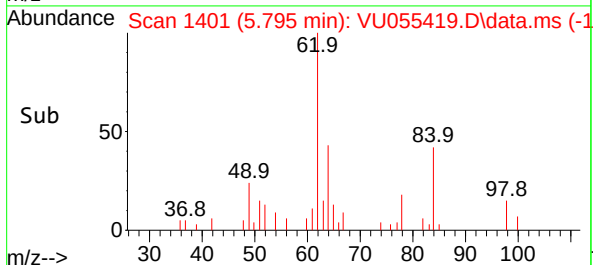
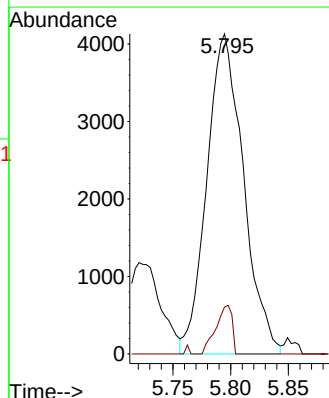
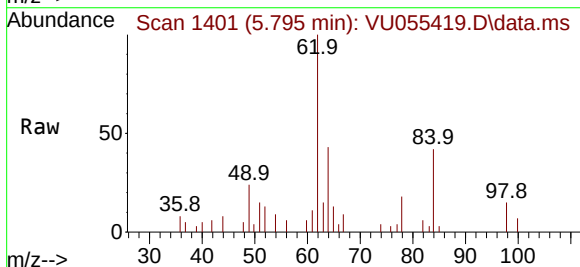
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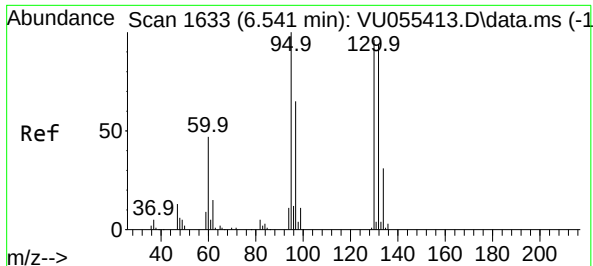
Tgt Ion: 62 Resp: 9100

Ion Ratio Lower Upper

62 100

98 14.6 7.0 10.4#





#34

Trichloroethene

Concen: 86.969 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU055419.D

Acq: 20 Sep 2023 12:43

Instrument :

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Tgt Ion: 95 Resp: 1709979

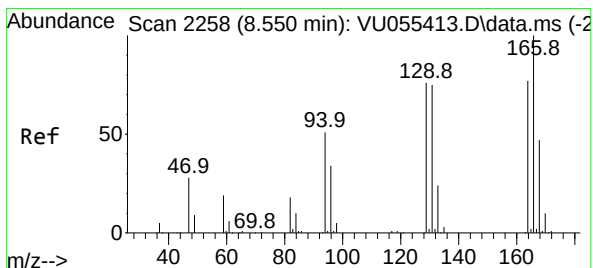
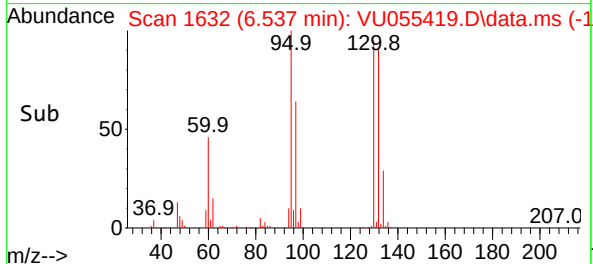
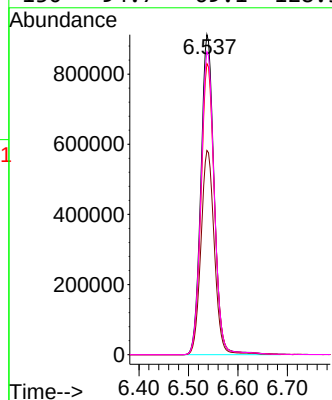
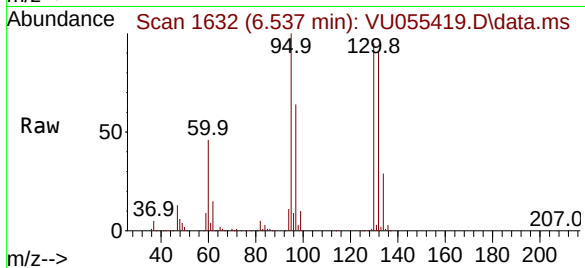
Ion Ratio Lower Upper

95 100

97 63.8 45.4 84.2

132 91.0 65.2 121.2

130 94.7 69.1 128.3



#47

Tetrachloroethene

Concen: 1.423 ug/L

RT: 8.553 min Scan# 2259

Delta R.T. 0.003 min

Lab File: VU055419.D

Acq: 20 Sep 2023 12:43

Tgt Ion: 164 Resp: 20071

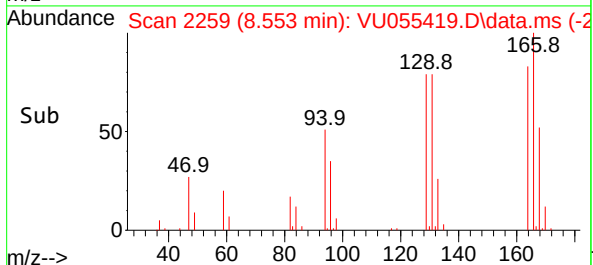
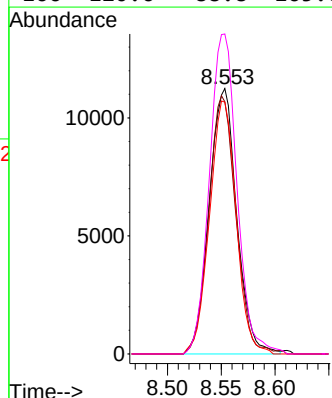
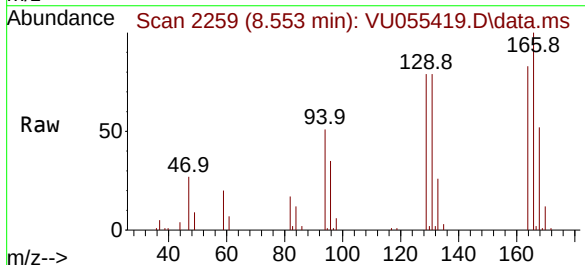
Ion Ratio Lower Upper

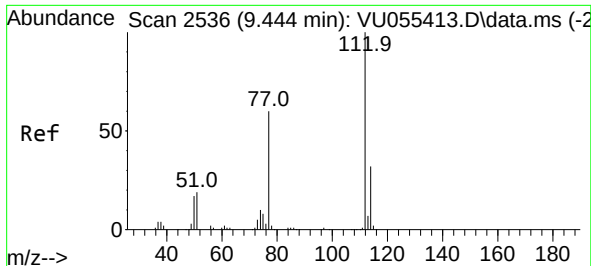
164 100

129 95.0 67.4 125.2

131 94.9 66.4 123.2

166 120.6 88.8 165.0

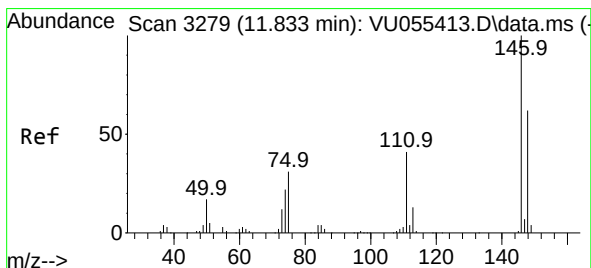
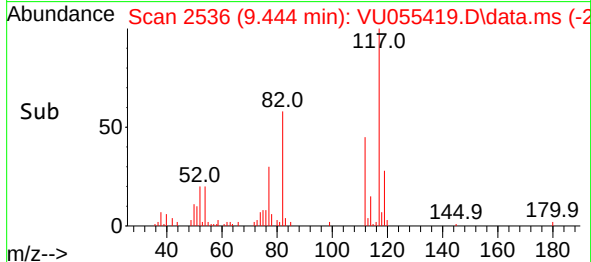
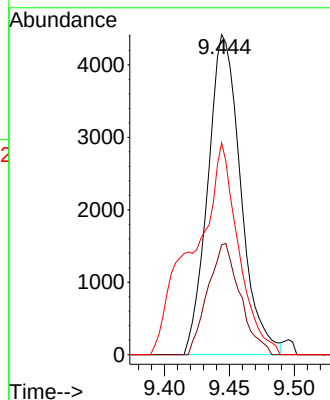
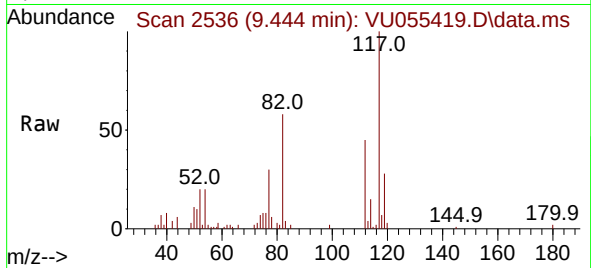




#51
Chlorobenzene
Concen: 0.163 ug/L
RT: 9.444 min Scan# 21
Delta R.T. -0.000 min
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Acq: 20 Sep 2023 12:43

Instrument :
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Tgt Ion:112 Resp: 7764
Ion Ratio Lower Upper
112 100
114 34.4 22.0 40.8
77 66.2 46.9 70.3



#65
1,4-Dichlorobenzene
Concen: 0.295 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU055419.D
Acq: 20 Sep 2023 12:43

Tgt Ion:146 Resp: 9543
Ion Ratio Lower Upper
146 100
111 40.2 29.0 53.8
148 65.5 45.4 84.4

