

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011723\
 Data File : VU052715.D
 Acq On : 17 Jan 2023 12:36
 Operator : JC/MD
 Sample : 01138-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 18 01:17:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 18 01:16:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	79414	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	73621	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	29721	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	18306	2.624	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	52.400%
7) Chloroethane-d5	1.916	69	20782	3.656	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.200%
11) 1,1-Dichloroethene-d2	2.565	65	8401	2.734	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.600%#
20) 2-Butanone-d5	4.636	46	152548	81.775	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	163.560%#
24) Chloroform-d	5.060	84	64399	4.948	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
26) 1,2-Dichloroethane-d4	5.697	65	42173	6.310	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	126.200%
32) Benzene-d6	5.722	84	102850	4.310	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.200%
36) 1,2-Dichloropropane-d6	6.687	67	41163	5.177	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.600%
41) Toluene-d8	7.893	98	65301	3.104	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	62.000%#
43) trans-1,3-Dichloroprop...	8.176	79	14664	4.959	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.200%
46) 2-Hexanone-d5	8.629	63	99983	81.394	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	162.780%#
56) 1,1,2,2-Tetrachloroeth...	10.751	84	43578	7.158	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	143.200%#
66) 1,2-Dichlorobenzene-d4	12.188	152	26846	4.962	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	1491	0.144	ug/L	92
5) Vinyl chloride	1.604	62	7959	0.803	ug/L	96
8) Chloroethane	1.935	64	2247	0.373	ug/L	100
12) 1,1-Dichloroethene	2.578	96	78464	11.396	ug/L #	75
16) Methylene chloride	3.044	84	7624	0.832	ug/L	83
17) Methyl tert-butyl Ether	3.362	73	8407	0.552	ug/L	97
19) 1,1-Dichloroethane	3.864	63	165085	11.322	ug/L	99
22) cis-1,2-Dichloroethene	4.661	96	4379	0.581	ug/L	92
25) Chloroform	5.079	83	7096	0.495	ug/L	85
27) 1,2-Dichloroethane	5.793	62	2874	0.331	ug/L	98
29) 1,1,1-Trichloroethane	5.311	97	10045	0.870	ug/L	95
33) Benzene	5.774	78	4571	0.157	ug/L	100
34) Trichloroethene	6.539	95	89939	13.048	ug/L	97
35) Methylcyclohexane	6.687	83	10445	0.918	ug/L #	15
45) 1,1,2-Trichloroethane	8.394	97	1566	0.318	ug/L	89
47) Tetrachloroethene	8.552	164	947	0.186	ug/L	92
48) 2-Hexanone	8.677	43	2555	0.780	ug/L #	40
49) Dibromochloromethane	8.552	129	1120	0.197	ug/L #	11

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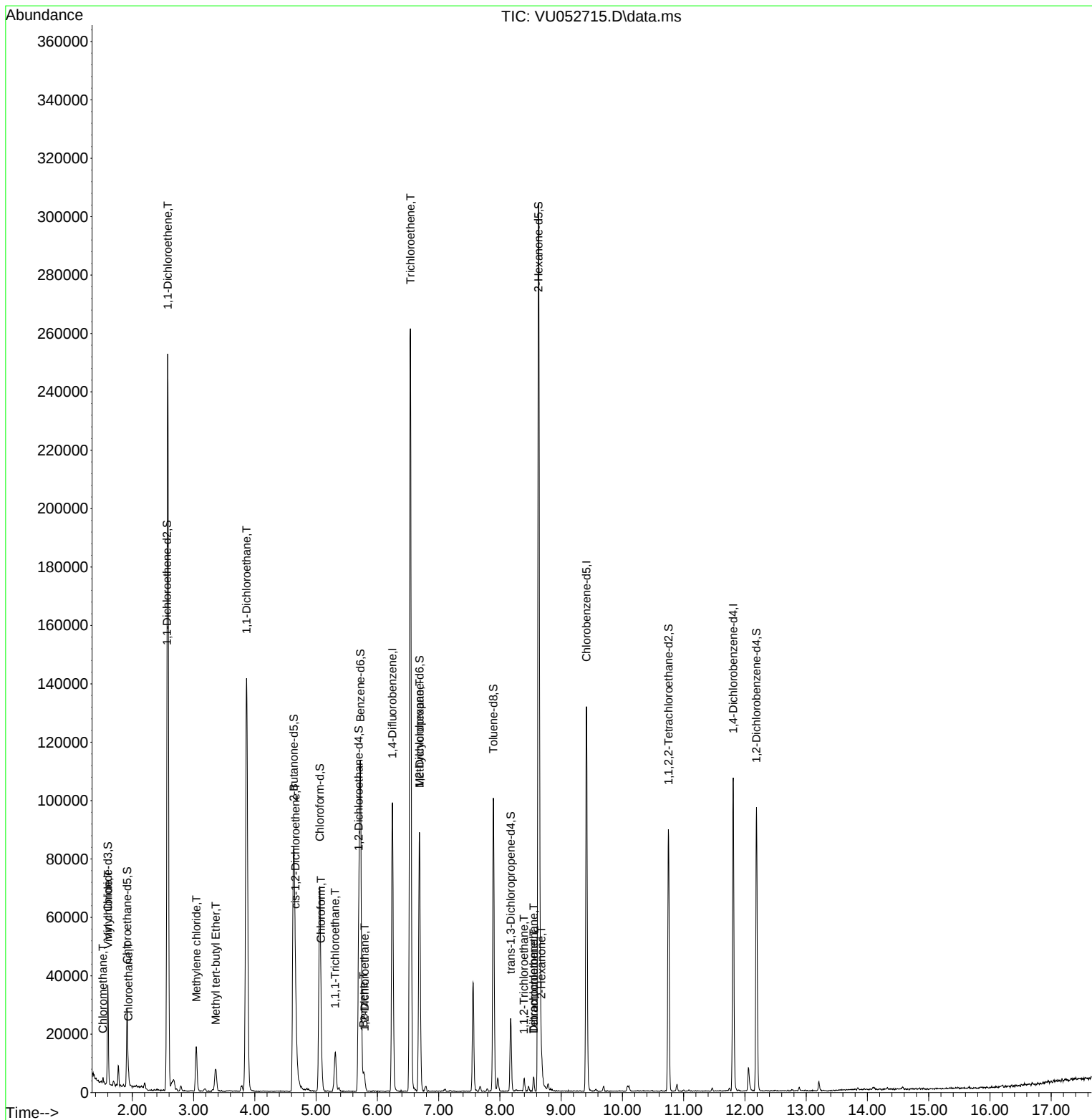
Instrument :
MSVOA_U
ClientSampleId :

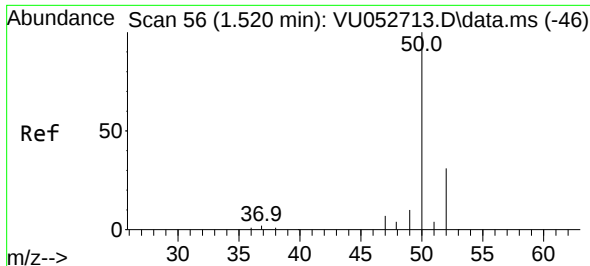
Quant Time: Jan 18 01:17:00 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011023WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Jan 18 01:16:13 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Jan 18 01:17:00 2023
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Quant Title : TRACE VOA SFAM1.0
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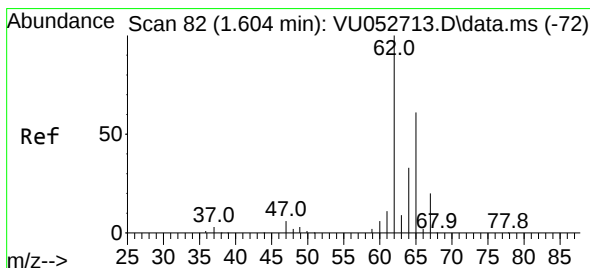
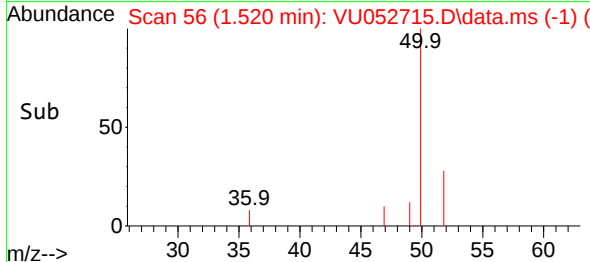
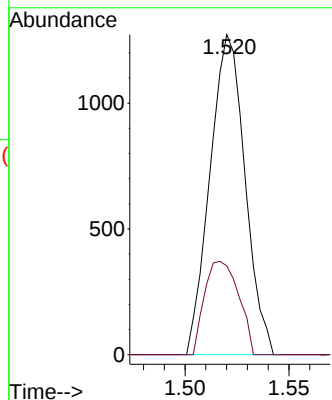
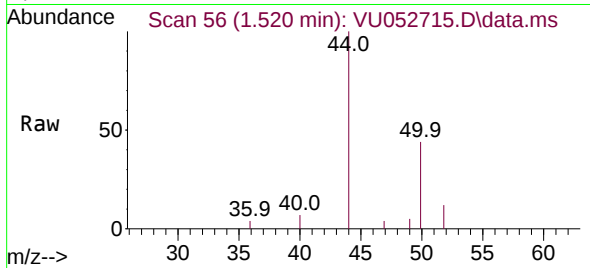




#3
Chloromethane
Concen: 0.144 ug/L
RT: 1.520 min Scan# 50
Delta R.T. -0.000 min
Lab File: VU052715.D
Acq: 17 Jan 2023 12:36

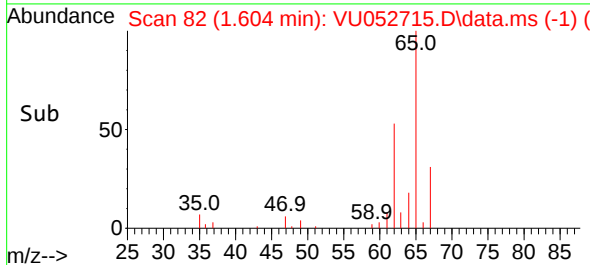
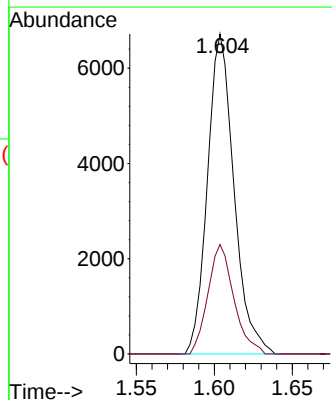
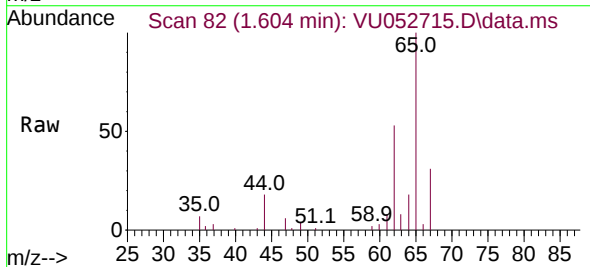
Instrument :
MSVOA_U
ClientSampleId :

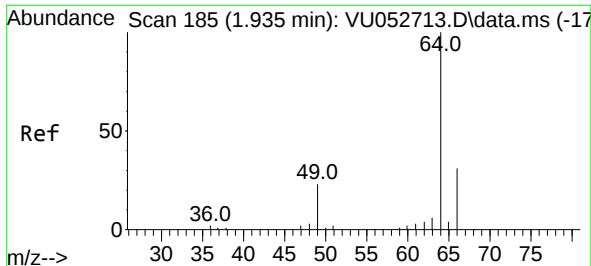
Tgt Ion: 50 Resp: 1491
Ion Ratio Lower Upper
50 100
52 27.8 22.7 42.3



#5
Vinyl chloride
Concen: 0.803 ug/L
RT: 1.604 min Scan# 82
Delta R.T. -0.000 min
Lab File: VU052715.D
Acq: 17 Jan 2023 12:36

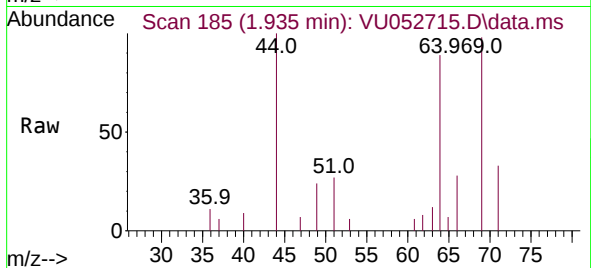
Tgt Ion: 62 Resp: 7959
Ion Ratio Lower Upper
62 100
64 34.2 22.3 41.3



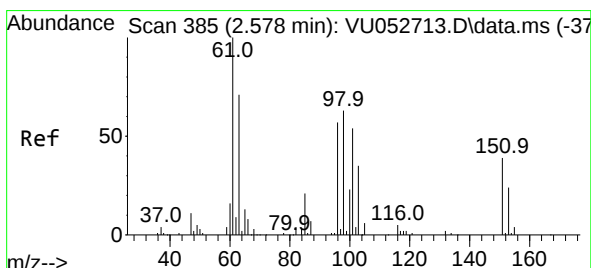
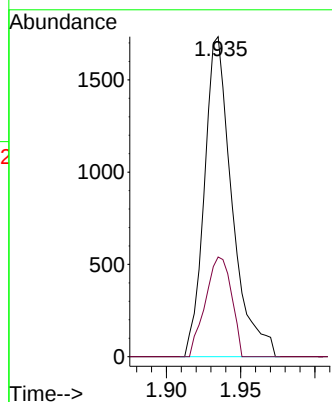
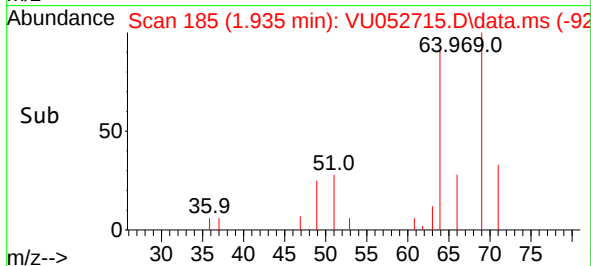


#8
Chloroethane
Concen: 0.373 ug/L
RT: 1.935 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU052715.D
Acq: 17 Jan 2023 12:36

Instrument :
MSVOA_U
ClientSampleId :

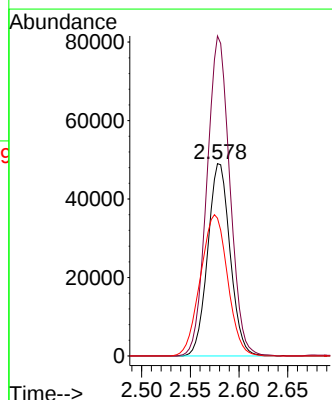
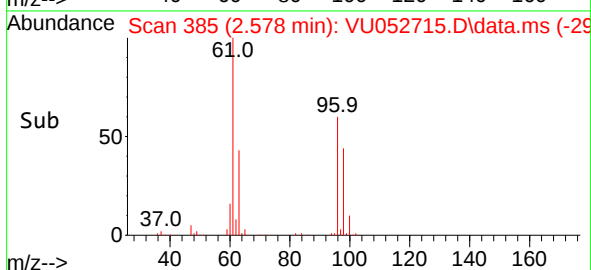
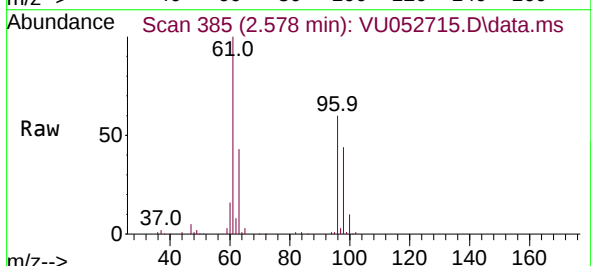


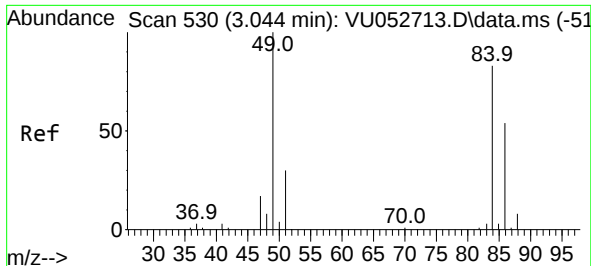
Tgt Ion: 64 Resp: 2247
Ion Ratio Lower Upper
64 100
66 31.1 21.6 40.2



#12
1,1-Dichloroethene
Concen: 11.396 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU052715.D
Acq: 17 Jan 2023 12:36

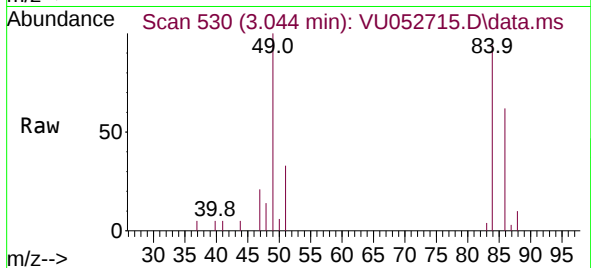
Tgt Ion: 96 Resp: 78464
Ion Ratio Lower Upper
96 100
61 166.3 129.6 240.8
63 71.6 83.7 155.5#





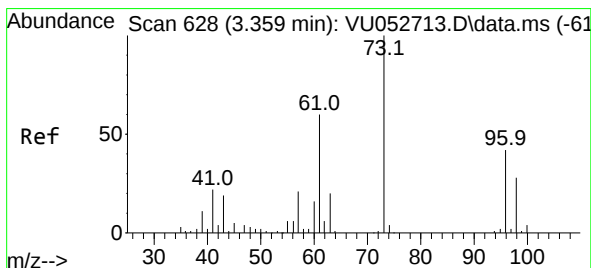
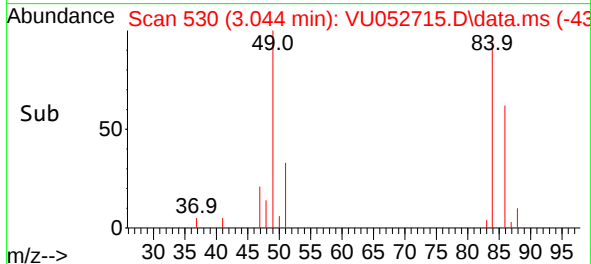
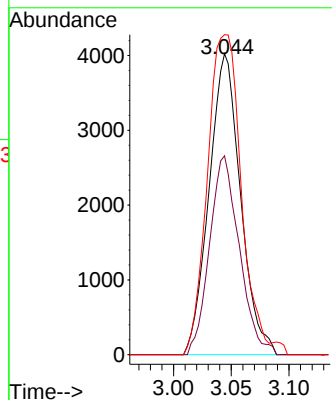
#16
Methylene chloride
Concen: 0.832 ug/L
RT: 3.044 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU052715.D
Acq: 17 Jan 2023 12:36

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 84 Resp: 7624

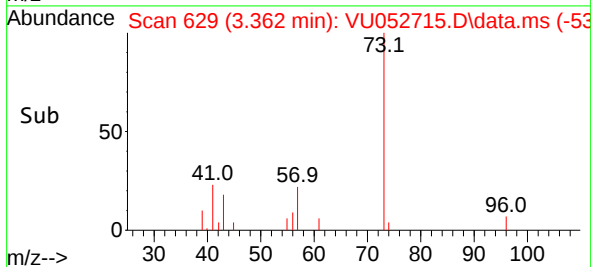
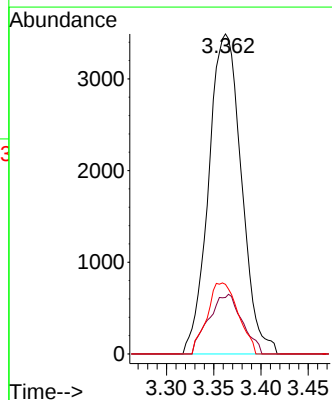
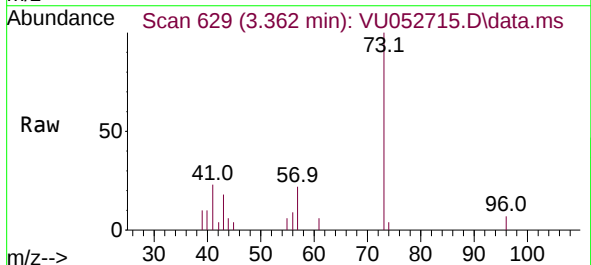
Ion	Ratio	Lower	Upper
84	100		
86	66.1	45.6	84.6
49	106.3	94.8	176.0

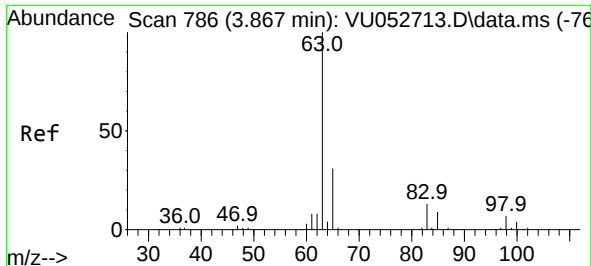


#17
Methyl tert-butyl Ether
Concen: 0.552 ug/L
RT: 3.362 min Scan# 629
Delta R.T. 0.003 min
Lab File: VU052715.D
Acq: 17 Jan 2023 12:36

Tgt Ion: 73 Resp: 8407

Ion	Ratio	Lower	Upper
73	100		
43	19.1	15.8	23.8
57	21.0	18.6	28.0





#19

1,1-Dichloroethane

Concen: 11.322 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.003 min

Lab File: VU052715.D

Acq: 17 Jan 2023 12:36

Instrument :

MSVOA_U

ClientSampleId :

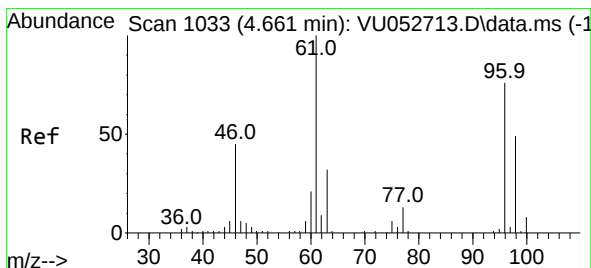
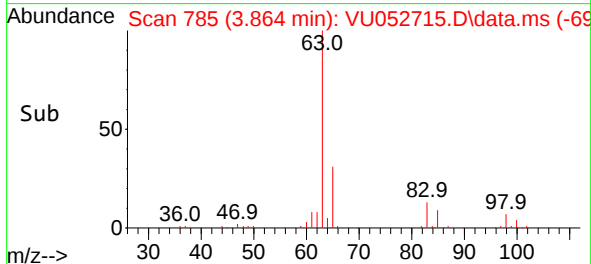
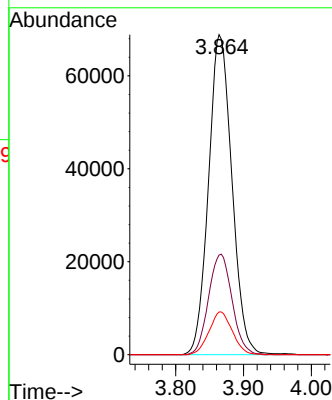
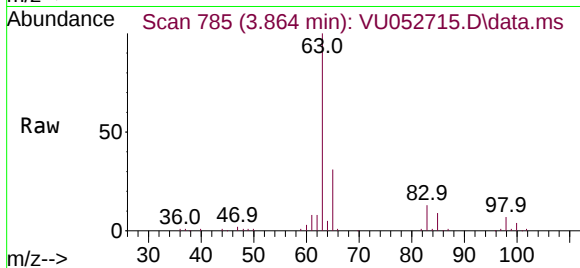
Tgt Ion: 63 Resp: 165085

Ion Ratio Lower Upper

63 100

65 31.1 22.0 41.0

83 13.3 8.9 16.5



#22

cis-1,2-Dichloroethene

Concen: 0.581 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VU052715.D

Acq: 17 Jan 2023 12:36

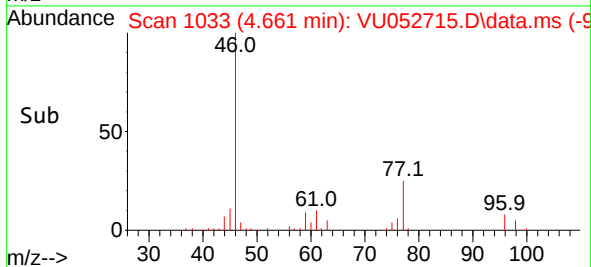
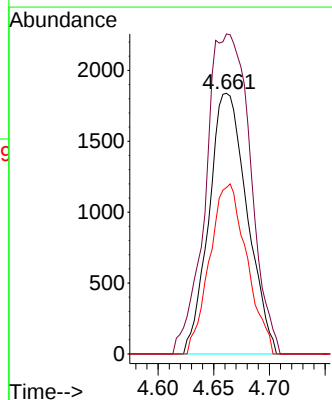
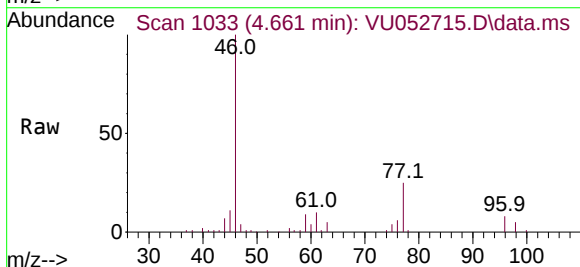
Tgt Ion: 96 Resp: 4379

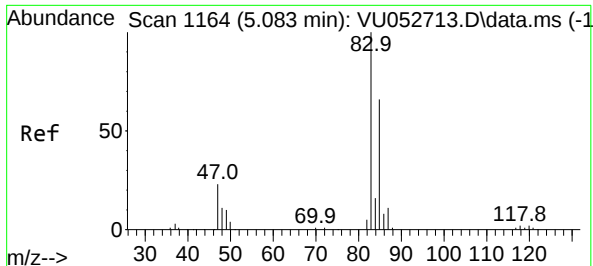
Ion Ratio Lower Upper

96 100

61 122.8 94.6 175.8

98 63.9 43.3 80.3





#25

Chloroform

Concen: 0.495 ug/L

RT: 5.079 min Scan# 1163

Delta R.T. -0.003 min

Lab File: VU052715.D

Acq: 17 Jan 2023 12:36

Instrument :

MSVOA_U

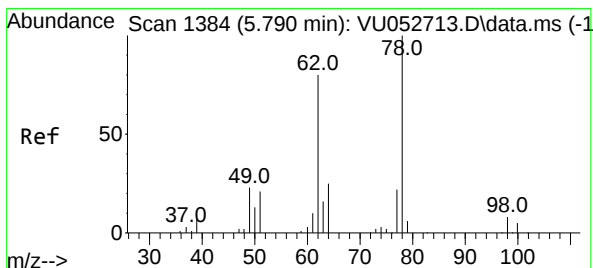
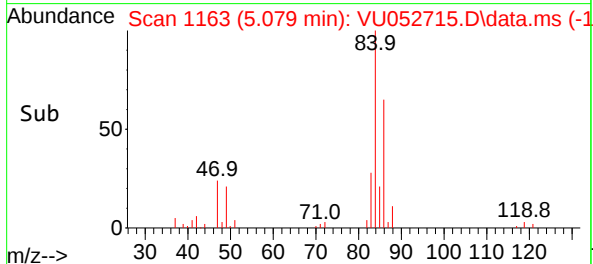
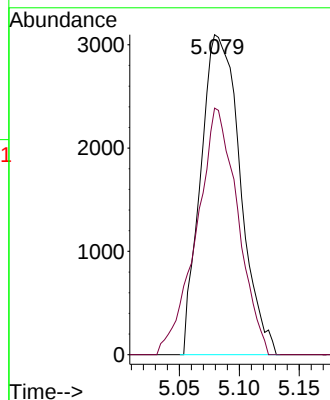
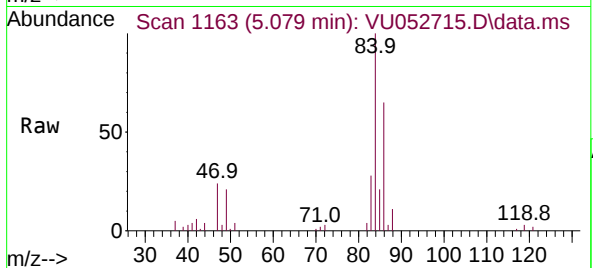
ClientSampleId :

Tgt Ion: 83 Resp: 7096

Ion Ratio Lower Upper

83 100

85 77.0 45.6 84.6



#27

1,2-Dichloroethane

Concen: 0.331 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.003 min

Lab File: VU052715.D

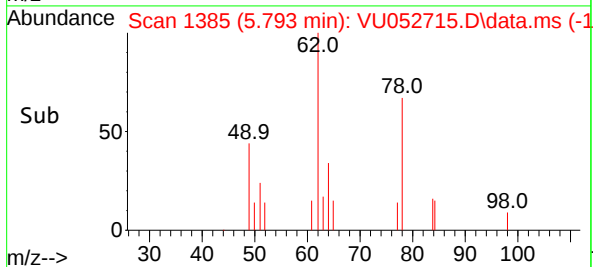
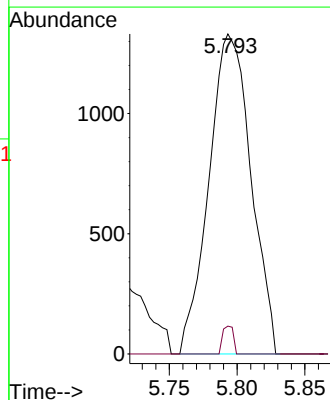
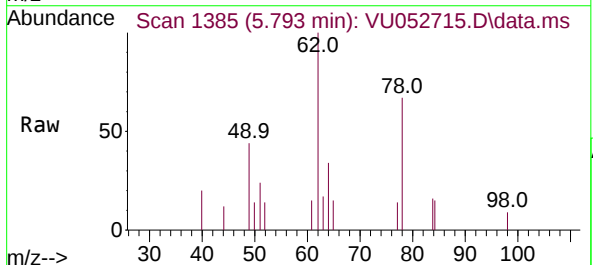
Acq: 17 Jan 2023 12:36

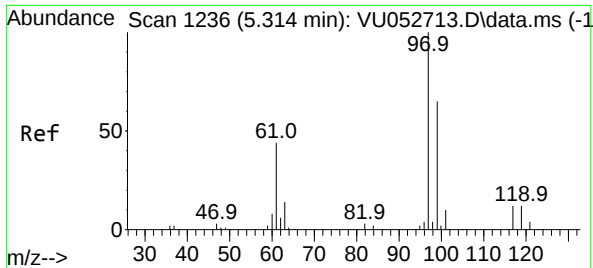
Tgt Ion: 62 Resp: 2874

Ion Ratio Lower Upper

62 100

98 8.7 7.5 11.3





#29

1,1,1-Trichloroethane

Concen: 0.870 ug/L

RT: 5.311 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU052715.D

Acq: 17 Jan 2023 12:36

Instrument :

MSVOA_U

ClientSampleId :

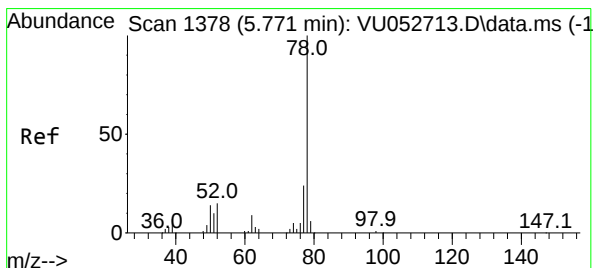
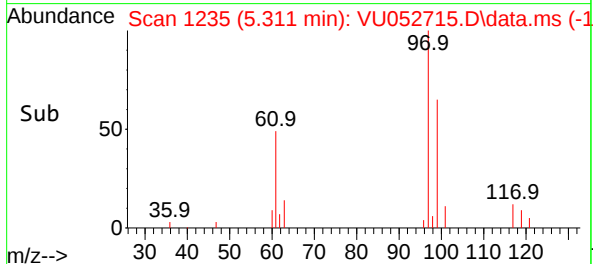
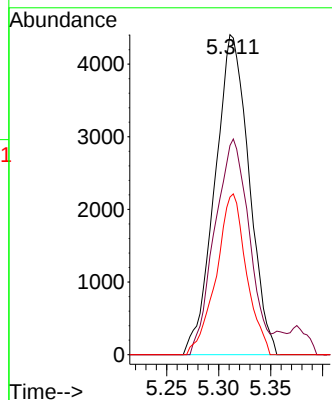
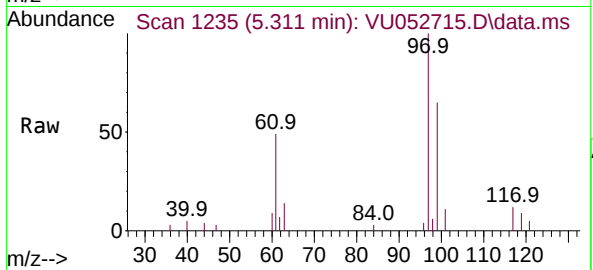
Tgt Ion: 97 Resp: 10045

Ion Ratio Lower Upper

97 100

99 68.7 52.4 78.6

61 44.5 38.5 57.7



#33

Benzene

Concen: 0.157 ug/L

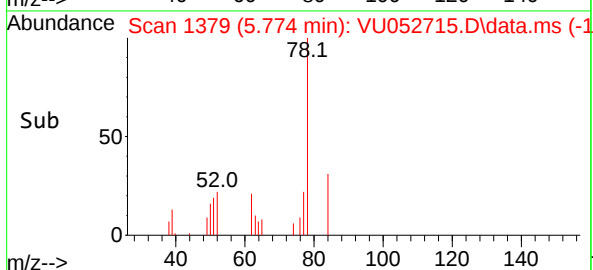
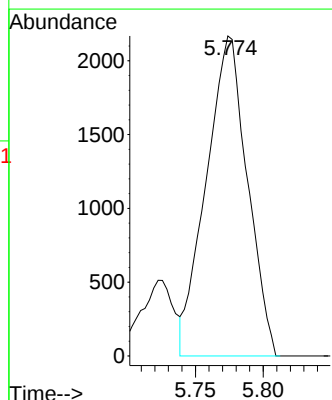
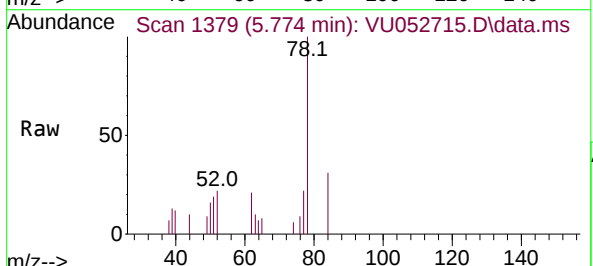
RT: 5.774 min Scan# 1379

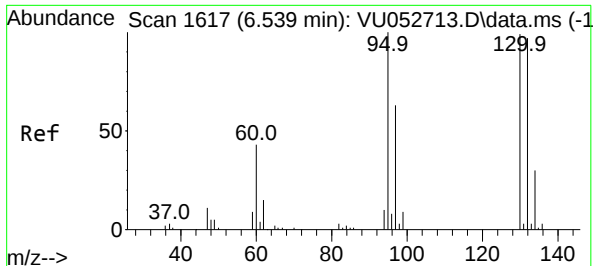
Delta R.T. 0.003 min

Lab File: VU052715.D

Acq: 17 Jan 2023 12:36

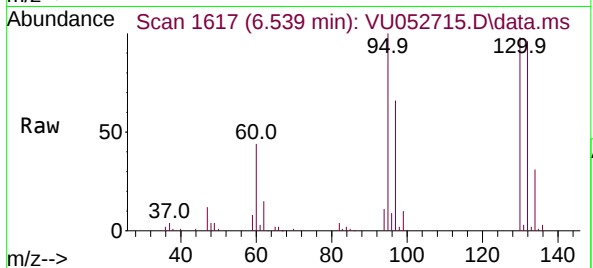
Tgt Ion: 78 Resp: 4571



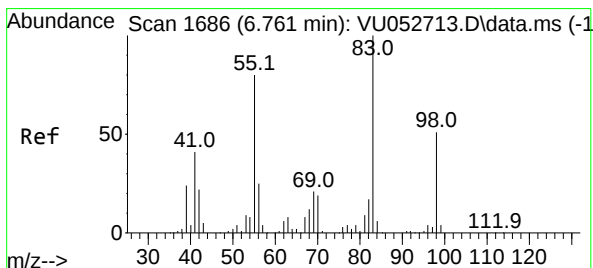
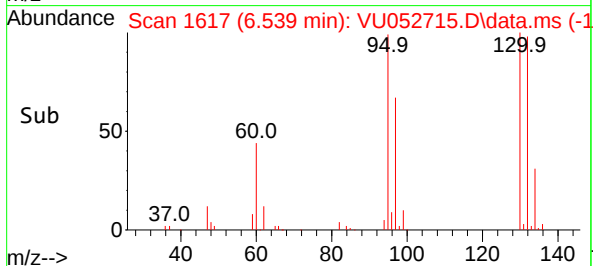
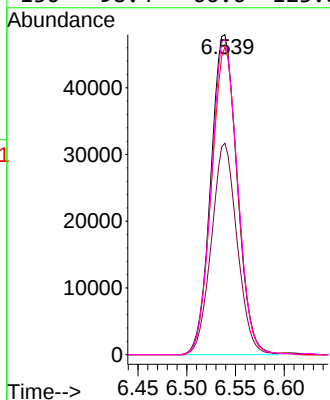


#34
Trichloroethene
Concen: 13.048 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU052715.D
Acq: 17 Jan 2023 12:36

Instrument :
MSVOA_U
ClientSampleId :

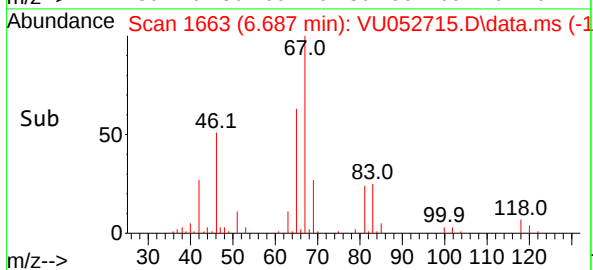
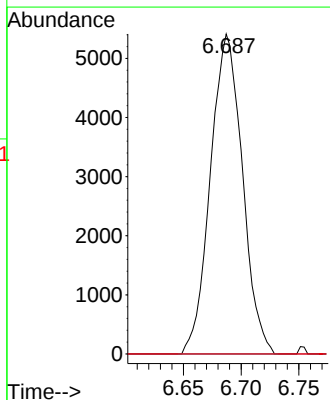
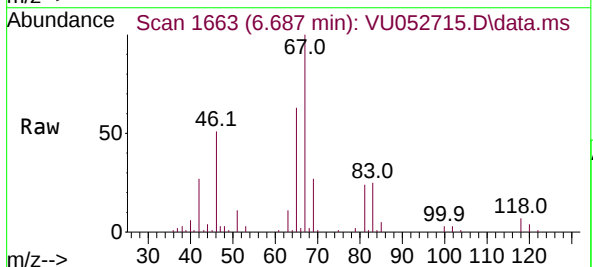


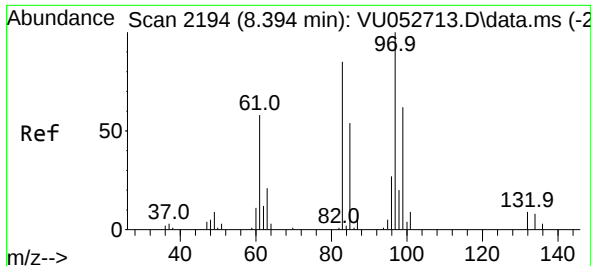
Tgt Ion:	95	Resp:	89939
Ion	Ratio	Lower	Upper
95	100		
97	66.1	46.0	85.4
132	96.0	64.0	118.8
130	98.4	66.6	123.8



#35
Methylcyclohexane
Concen: 0.918 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.074 min
Lab File: VU052715.D
Acq: 17 Jan 2023 12:36

Tgt Ion:	83	Resp:	10445
Ion	Ratio	Lower	Upper
83	100		
55	0.0	67.6	101.4#
98	0.0	37.1	55.7#



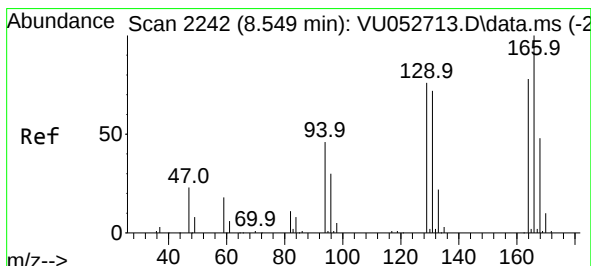
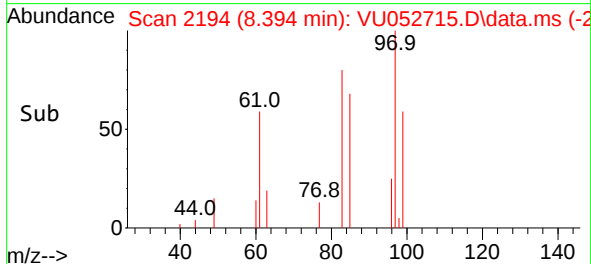
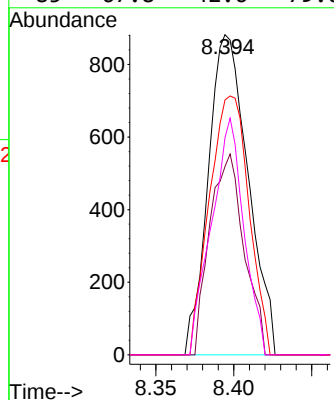
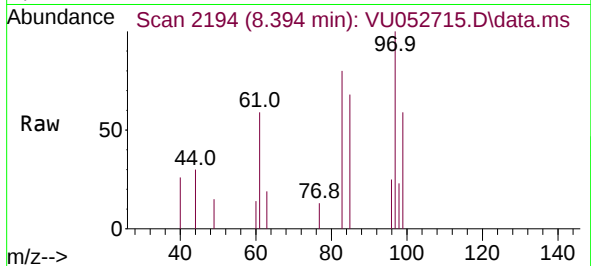


#45
1,1,2-Trichloroethane
Concen: 0.318 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU052715.D
Acq: 17 Jan 2023 12:36

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 1566

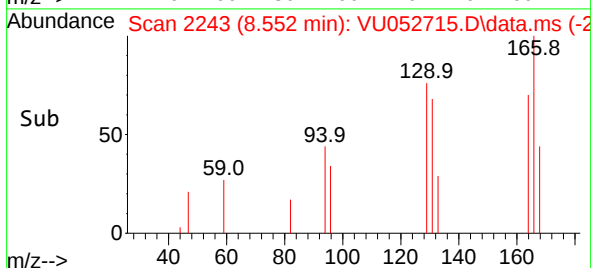
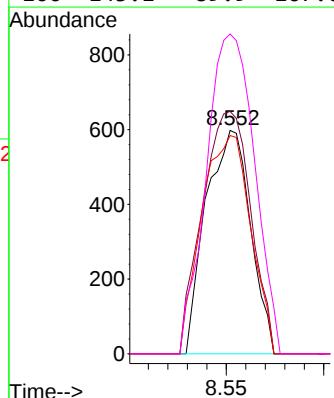
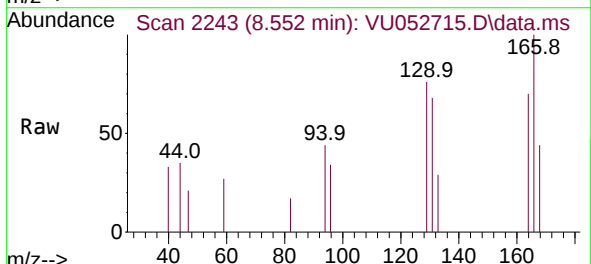
Ion	Ratio	Lower	Upper
97	100		
99	58.8	44.8	83.2
83	79.6	65.3	121.3
85	67.8	42.6	79.0

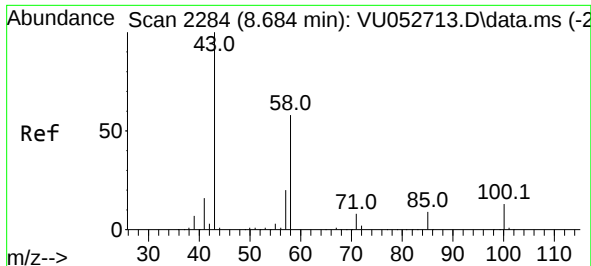


#47
Tetrachloroethene
Concen: 0.186 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.003 min
Lab File: VU052715.D
Acq: 17 Jan 2023 12:36

Tgt Ion: 164 Resp: 947

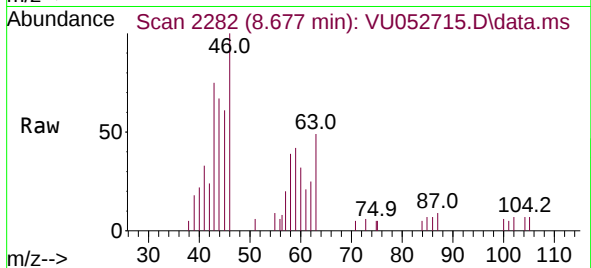
Ion	Ratio	Lower	Upper
164	100		
129	108.5	71.8	133.4
131	97.7	66.6	123.6
166	143.1	89.9	167.0



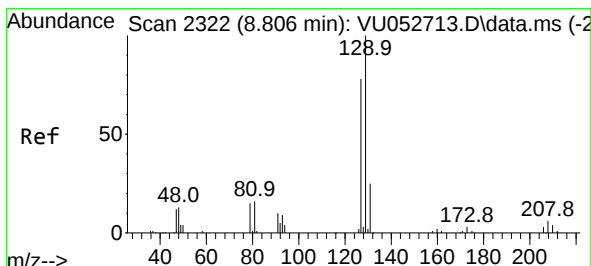
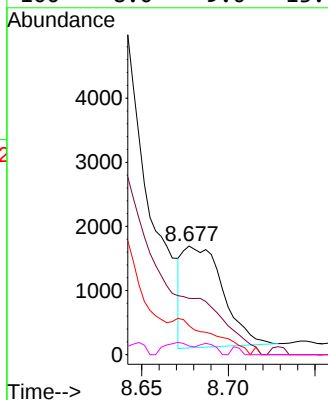
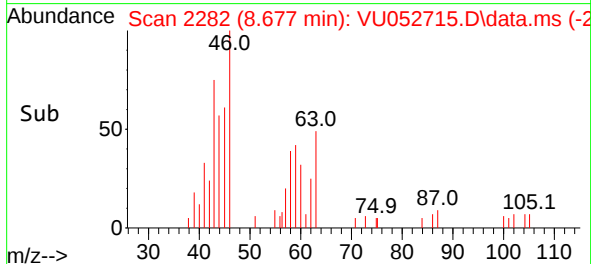


#48
2-Hexanone
Concen: 0.780 ug/L
RT: 8.677 min Scan# 21
Delta R.T. -0.007 min
Lab File: VU052715.D
Acq: 17 Jan 2023 12:36

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 43 Resp: 2555
Ion Ratio Lower Upper
43 100
58 0.0 45.1 67.7#
57 0.0 15.1 22.7#
100 8.0 9.0 13.4#



#49
Dibromochloromethane
Concen: 0.197 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.254 min
Lab File: VU052715.D
Acq: 17 Jan 2023 12:36

Tgt Ion: 129 Resp: 1120
Ion Ratio Lower Upper
129 100
127 0.0 53.5 99.5#

