

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011723\
 Data File : VU052725.D
 Acq On : 17 Jan 2023 16:49
 Operator : JC/MD
 Sample : 01138-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 18 01:19:14 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	6.243	114	136923	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	136021	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	59457	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	49484	4.114	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.200%
7) Chloroethane-d5	1.916	69	44064	4.496	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.000%
11) 1,1-Dichloroethene-d2	2.565	65	24135	4.556	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.200%
20) 2-Butanone-d5	4.633	46	127305	39.580	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.160%
24) Chloroform-d	5.057	84	105043	4.681	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.600%
26) 1,2-Dichloroethane-d4	5.697	65	55168	4.788	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.800%
32) Benzene-d6	5.722	84	212023	4.809	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.200%
36) 1,2-Dichloropropane-d6	6.687	67	67454	4.591	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.800%
41) Toluene-d8	7.893	98	169774	4.368	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.400%
43) trans-1,3-Dichloroprop...	8.176	79	23624	4.324	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.400%
46) 2-Hexanone-d5	8.629	63	92854	40.913	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.820%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	48844	4.342	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.800%
66) 1,2-Dichlorobenzene-d4	12.188	152	59241	5.473	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	2528	0.142	ug/L	90
5) Vinyl chloride	1.604	62	13011	0.761	ug/L	87
8) Chloroethane	1.935	64	4279	0.412	ug/L	84
12) 1,1-Dichloroethene	2.578	96	159069	13.400	ug/L #	76
14) Carbon disulfide	2.790	76	11908	0.290	ug/L	99
17) Methyl tert-butyl Ether	3.366	73	8820	0.336	ug/L	96
19) 1,1-Dichloroethane	3.864	63	240678	9.574	ug/L	99
22) cis-1,2-Dichloroethene	4.661	96	6528	0.502	ug/L	97
27) 1,2-Dichloroethane	5.796	62	3881	0.259	ug/L #	93
29) 1,1,1-Trichloroethane	5.311	97	21020	0.985	ug/L	97
31) Carbon tetrachloride	5.308	117	2569	0.154	ug/L	91
33) Benzene	5.768	78	7851	0.146	ug/L	100
34) Trichloroethene	6.536	95	196919	15.463	ug/L	96
35) Methylcyclohexane	6.687	83	16100	0.766	ug/L #	15
45) 1,1,2-Trichloroethane	8.394	97	1633	0.180	ug/L	97
47) Tetrachloroethene	8.549	164	3061	0.326	ug/L	90
49) Dibromochloromethane	8.549	129	2642	0.251	ug/L #	11
61) 1,2,3-Trichloropropane	11.806	75	7167	1.037	ug/L #	69

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Jan 18 01:16:13 2023
Response via : Initial Calibration

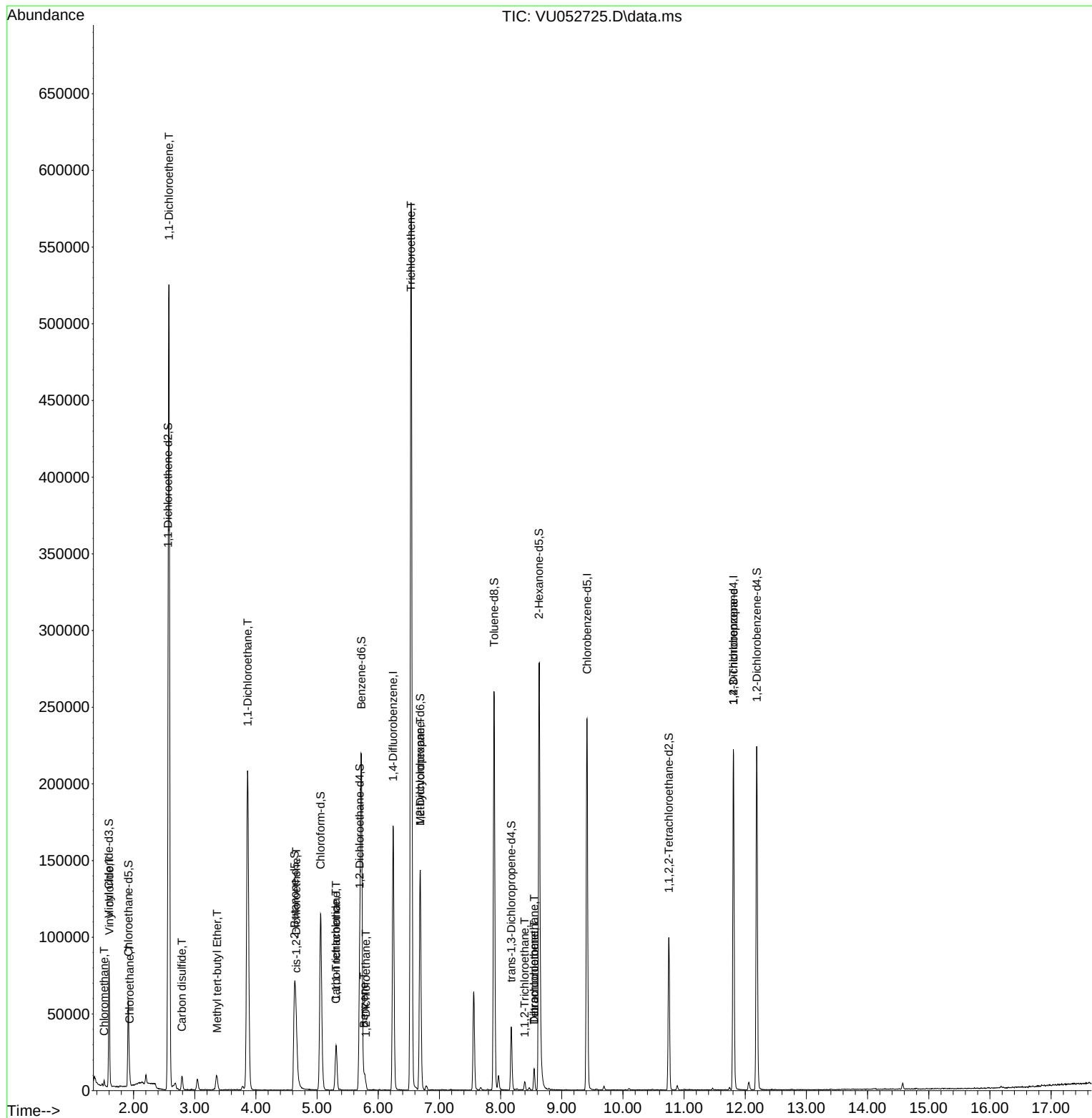
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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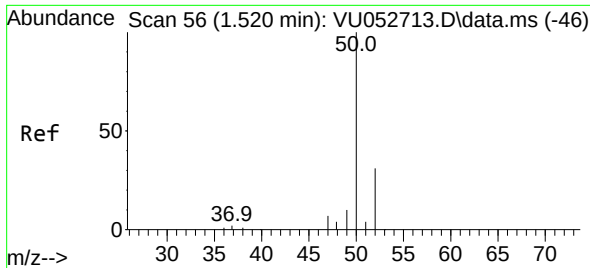
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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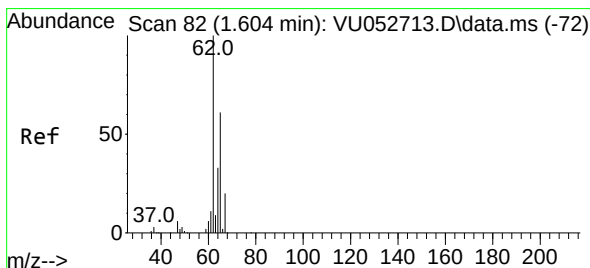
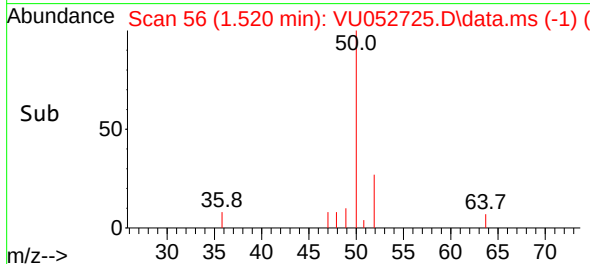
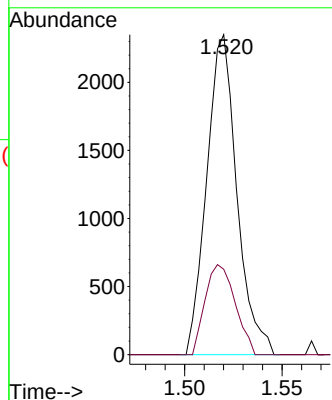
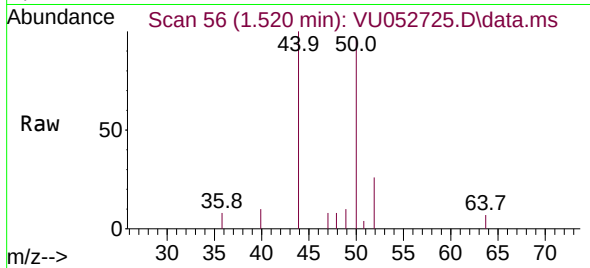




#3
Chloromethane
Concen: 0.142 ug/L
RT: 1.520 min Scan# 50
Delta R.T. -0.000 min
Lab File: VU052725.D
Acq: 17 Jan 2023 16:49

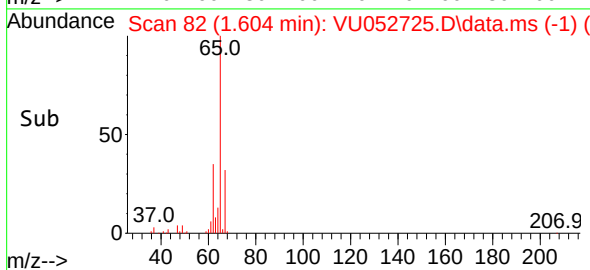
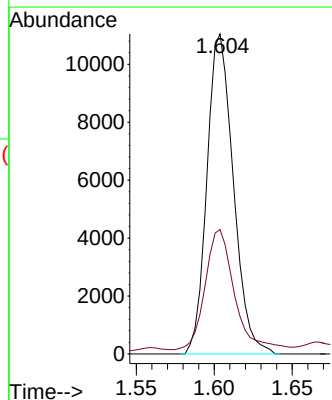
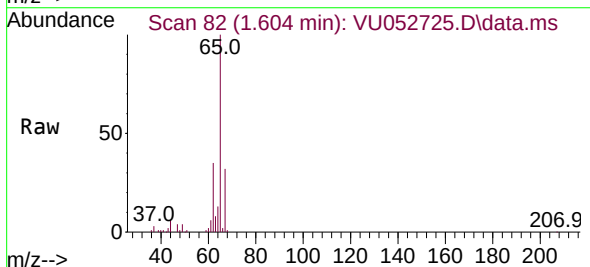
Instrument :
MSVOA_U
ClientSampleId :

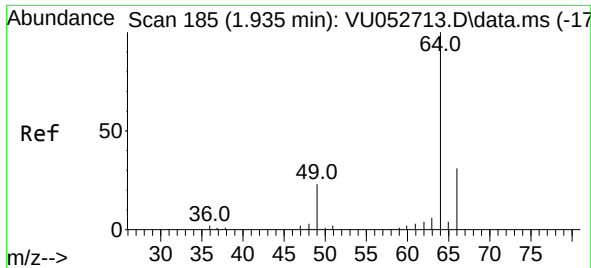
Tgt Ion: 50 Resp: 2528
Ion Ratio Lower Upper
50 100
52 26.7 22.7 42.3



#5
Vinyl chloride
Concen: 0.761 ug/L
RT: 1.604 min Scan# 82
Delta R.T. -0.000 min
Lab File: VU052725.D
Acq: 17 Jan 2023 16:49

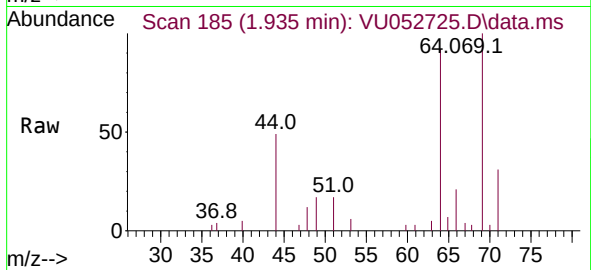
Tgt Ion: 62 Resp: 13011
Ion Ratio Lower Upper
62 100
64 38.9 22.3 41.3



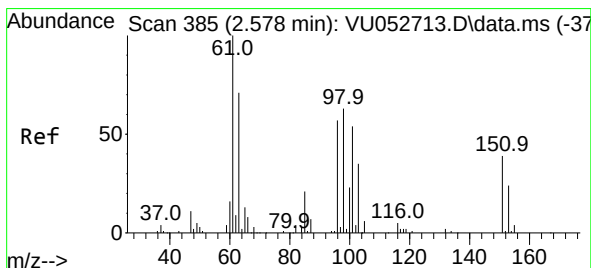
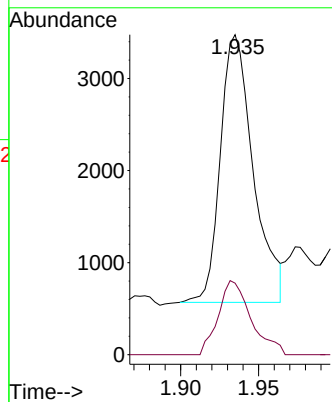
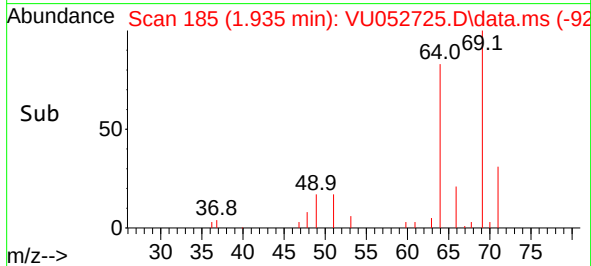


#8
Chloroethane
Concen: 0.412 ug/L
RT: 1.935 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU052725.D
Acq: 17 Jan 2023 16:49

Instrument :
MSVOA_U
ClientSampleId :

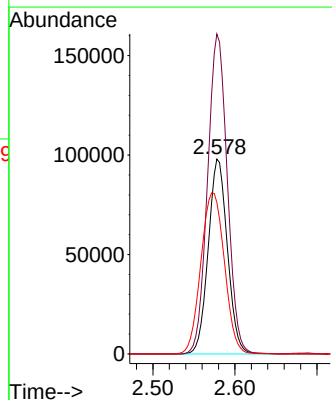
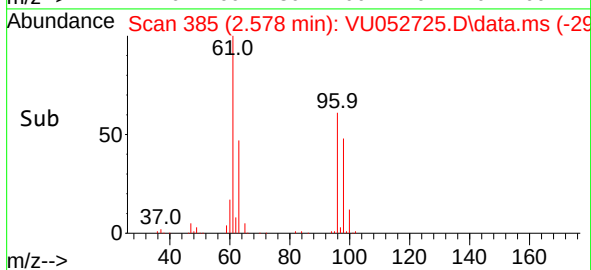
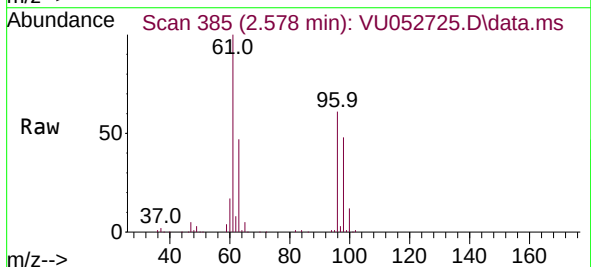


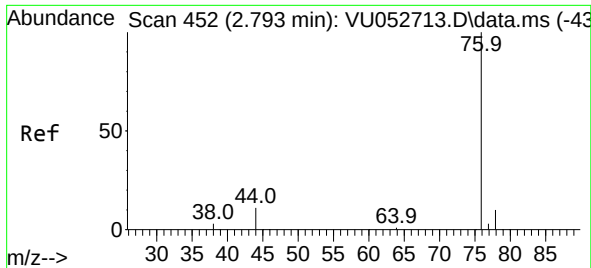
Tgt Ion: 64 Resp: 4279
Ion Ratio Lower Upper
64 100
66 22.4 21.6 40.2



#12
1,1-Dichloroethene
Concen: 13.400 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU052725.D
Acq: 17 Jan 2023 16:49

Tgt Ion: 96 Resp: 159069
Ion Ratio Lower Upper
96 100
61 164.2 129.6 240.8
63 77.8 83.7 155.5#





#14

Carbon disulfide

Concen: 0.290 ug/L

RT: 2.790 min Scan# 4

Delta R.T. -0.003 min

Lab File: VU052725.D

Acq: 17 Jan 2023 16:49

Instrument :

MSVOA_U

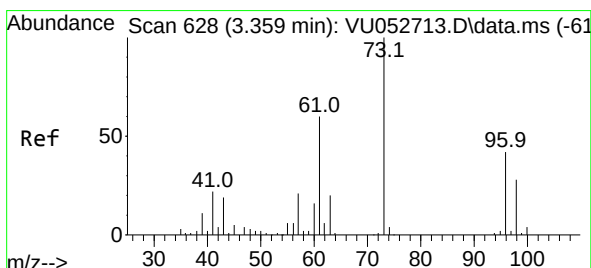
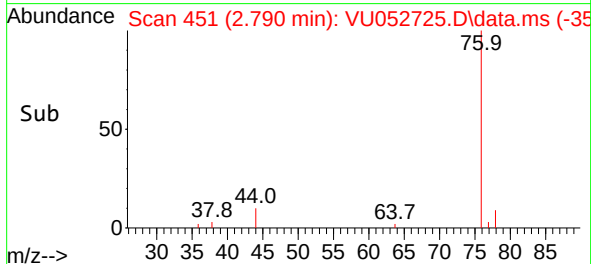
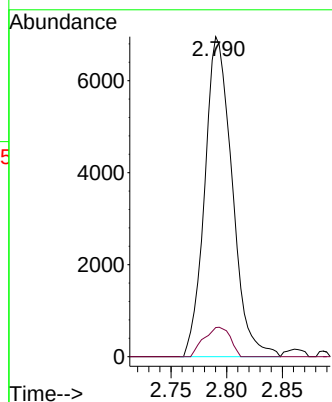
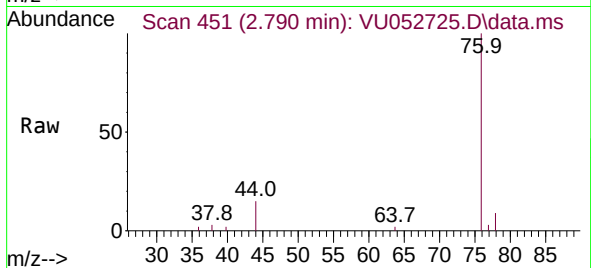
ClientSampleId :

Tgt Ion: 76 Resp: 11908

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.6



#17

Methyl tert-butyl Ether

Concen: 0.336 ug/L

RT: 3.366 min Scan# 630

Delta R.T. 0.006 min

Lab File: VU052725.D

Acq: 17 Jan 2023 16:49

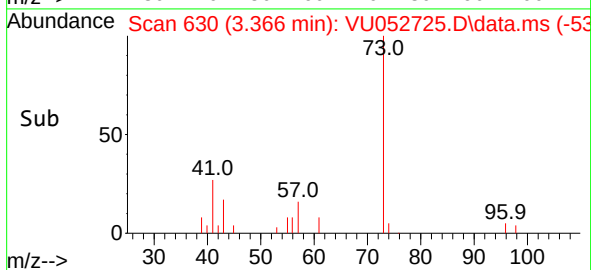
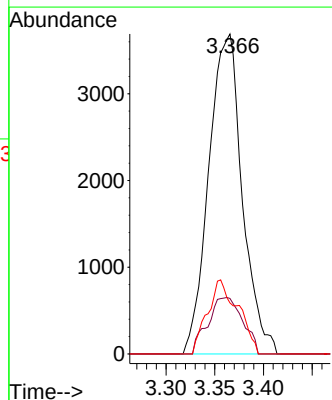
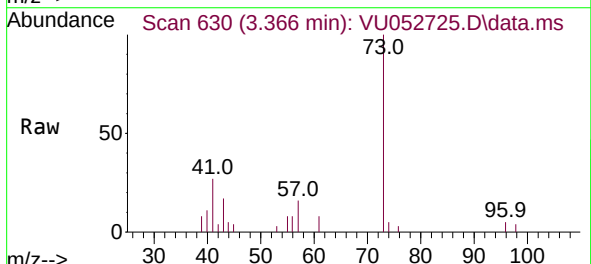
Tgt Ion: 73 Resp: 8820

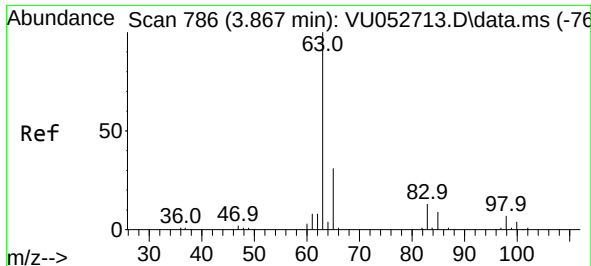
Ion Ratio Lower Upper

73 100

43 18.4 15.8 23.8

57 21.2 18.6 28.0





#19

1,1-Dichloroethane

Concen: 9.574 ug/L

RT: 3.864 min Scan# 786

Delta R.T. -0.003 min

Lab File: VU052725.D

Acq: 17 Jan 2023 16:49

Instrument :

MSVOA_U

ClientSampleId :

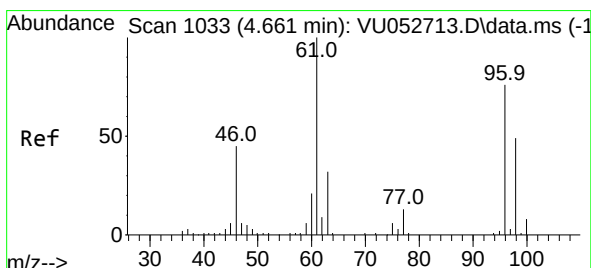
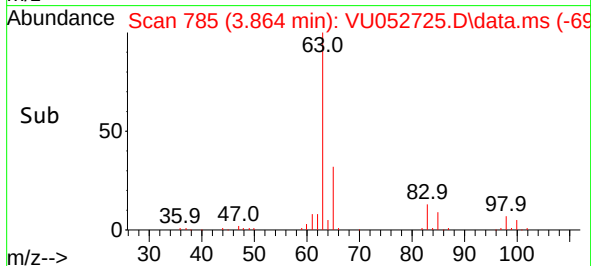
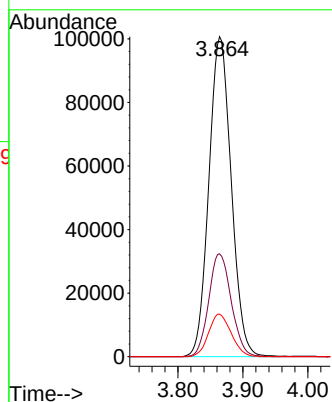
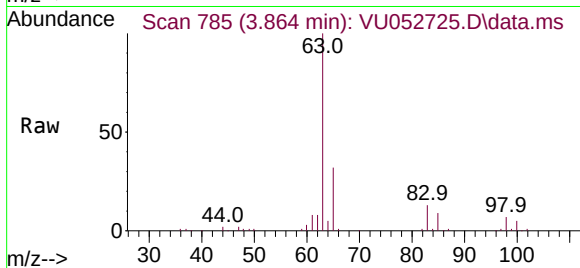
Tgt Ion: 63 Resp: 240678

Ion Ratio Lower Upper

63 100

65 32.2 22.0 41.0

83 13.3 8.9 16.5



#22

cis-1,2-Dichloroethene

Concen: 0.502 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VU052725.D

Acq: 17 Jan 2023 16:49

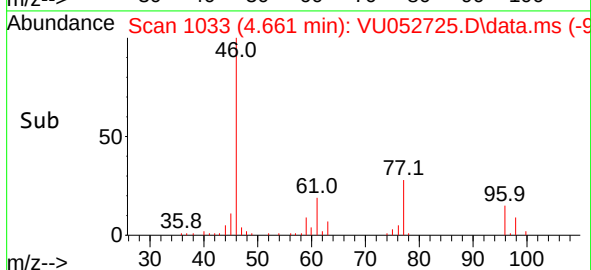
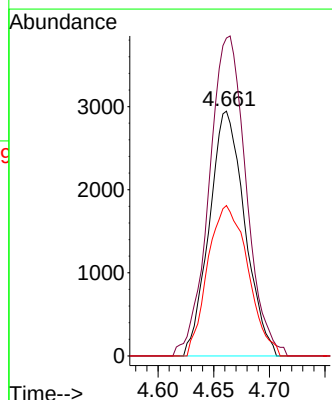
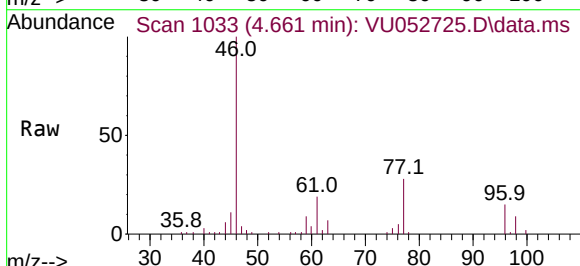
Tgt Ion: 96 Resp: 6528

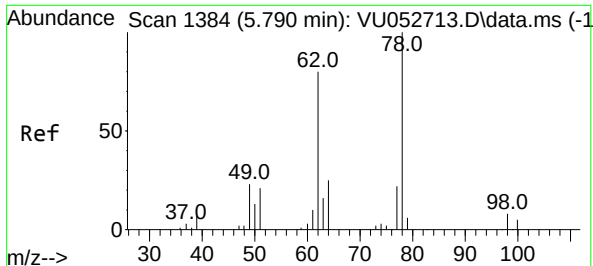
Ion Ratio Lower Upper

96 100

61 129.9 94.6 175.8

98 61.4 43.3 80.3

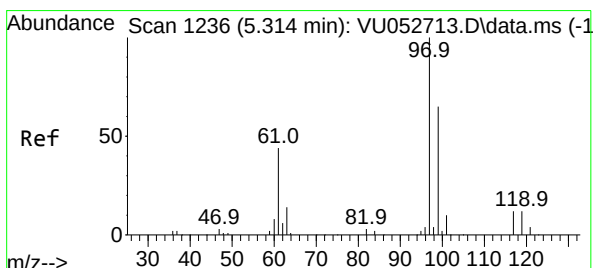
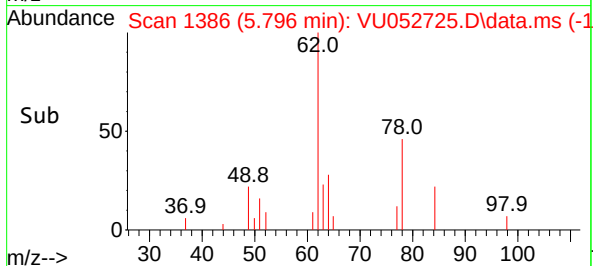
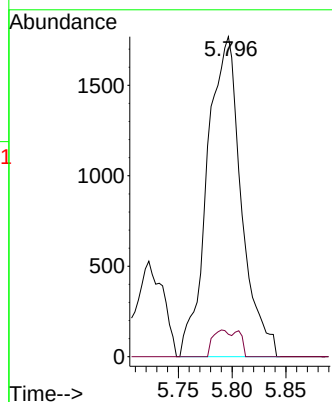
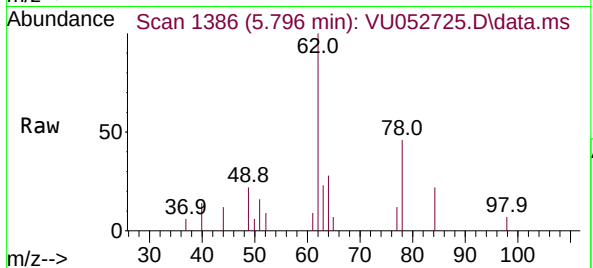




#27
1,2-Dichloroethane
Concen: 0.259 ug/L
RT: 5.796 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU052725.D
Acq: 17 Jan 2023 16:49

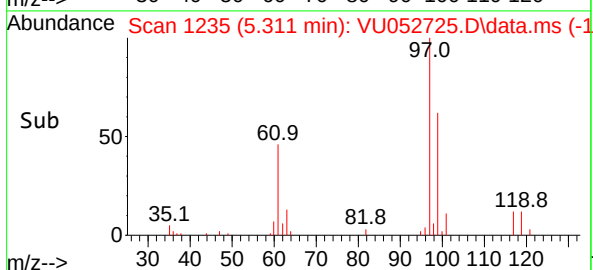
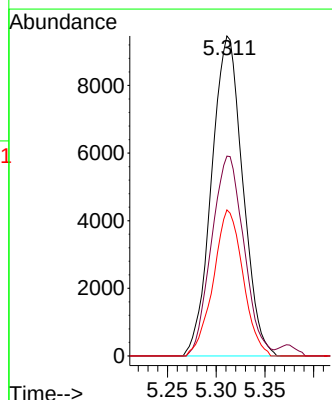
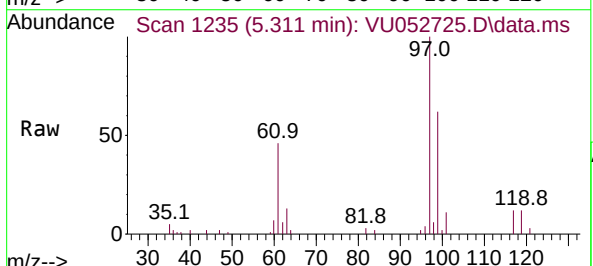
Instrument :
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ClientSampleId :

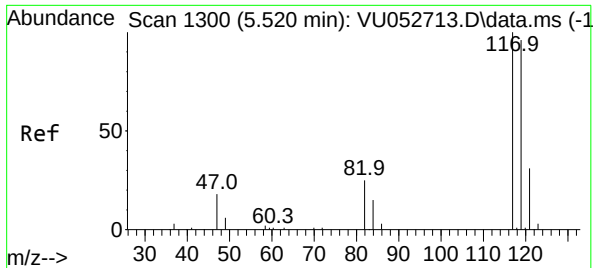
Tgt Ion: 62 Resp: 3881
Ion Ratio Lower Upper
62 100
98 7.0 7.5 11.3#



#29
1,1,1-Trichloroethane
Concen: 0.985 ug/L
RT: 5.311 min Scan# 1235
Delta R.T. -0.003 min
Lab File: VU052725.D
Acq: 17 Jan 2023 16:49

Tgt Ion: 97 Resp: 21020
Ion Ratio Lower Upper
97 100
99 65.0 52.4 78.6
61 43.5 38.5 57.7

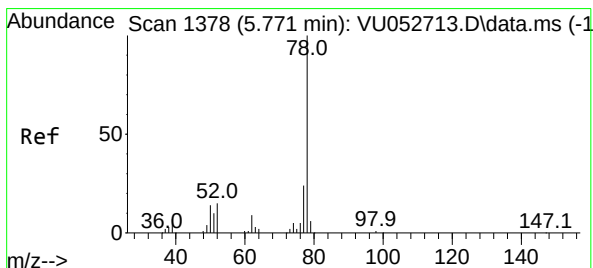
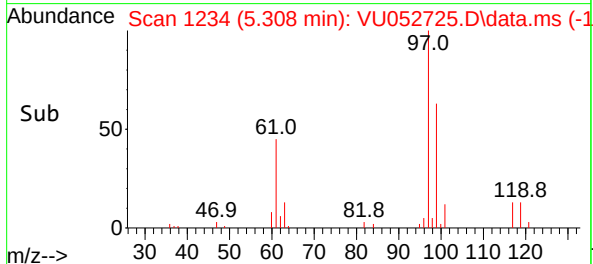
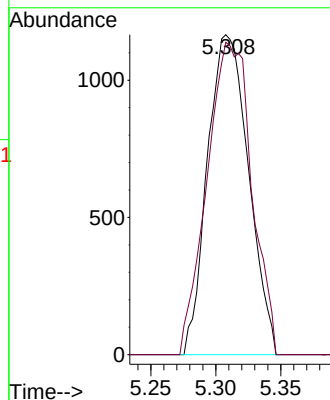
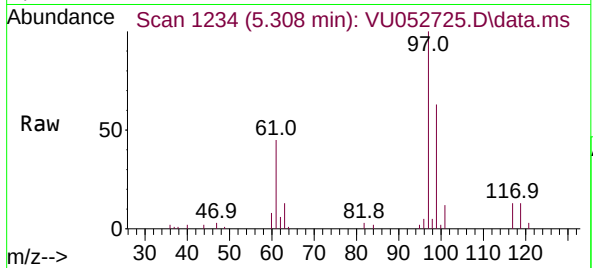




#31
Carbon tetrachloride
Concen: 0.154 ug/L
RT: 5.308 min Scan# 117
Delta R.T. -0.212 min
Lab File: VU052725.D
Acq: 17 Jan 2023 16:49

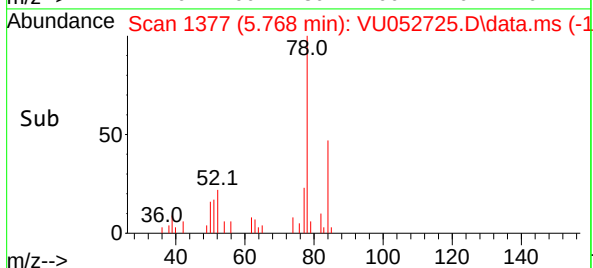
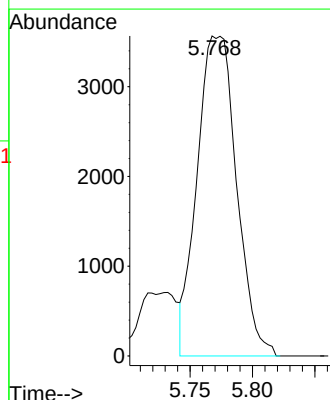
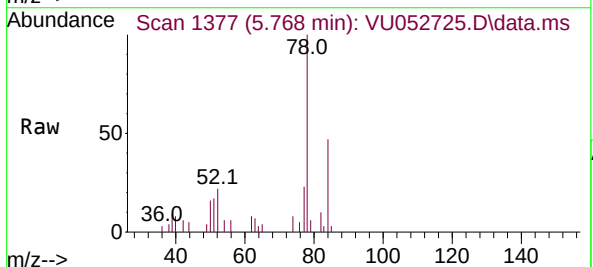
Instrument :
MSVOA_U
ClientSampleId :

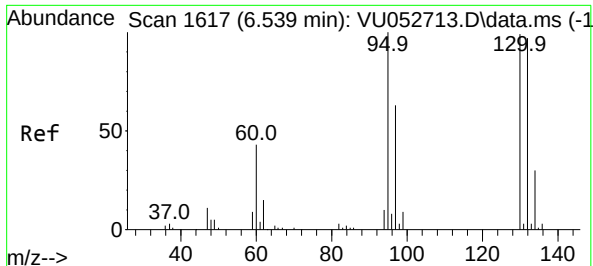
Tgt Ion:117 Resp: 2569
Ion Ratio Lower Upper
117 100
119 106.1 77.8 116.8



#33
Benzene
Concen: 0.146 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VU052725.D
Acq: 17 Jan 2023 16:49

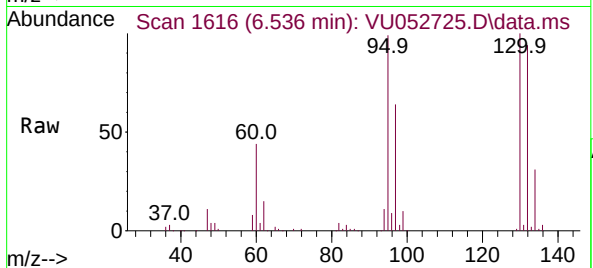
Tgt Ion: 78 Resp: 7851



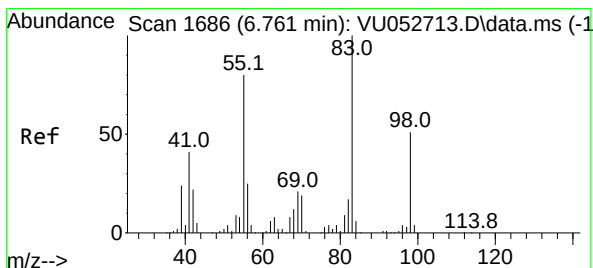
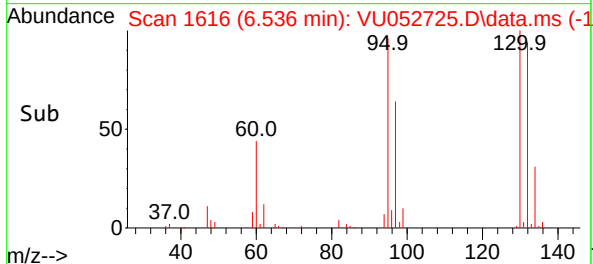
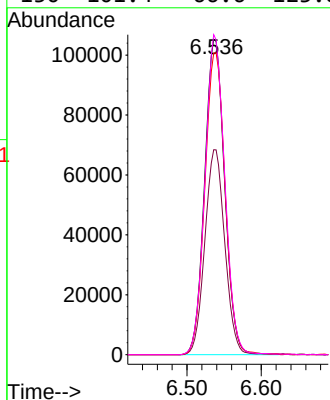


#34
Trichloroethene
Concen: 15.463 ug/L
RT: 6.536 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU052725.D
Acq: 17 Jan 2023 16:49

Instrument :
MSVOA_U
ClientSampleId :

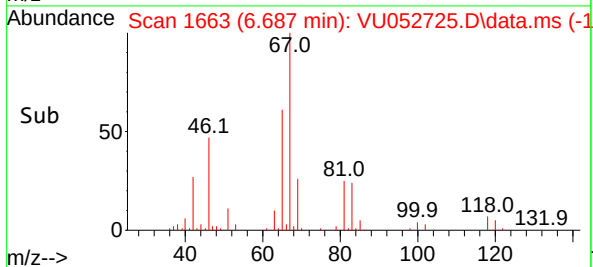
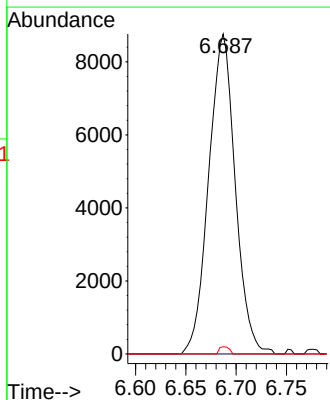
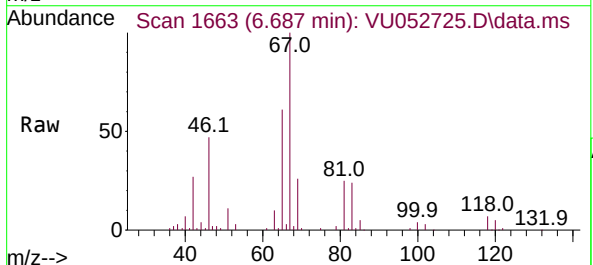


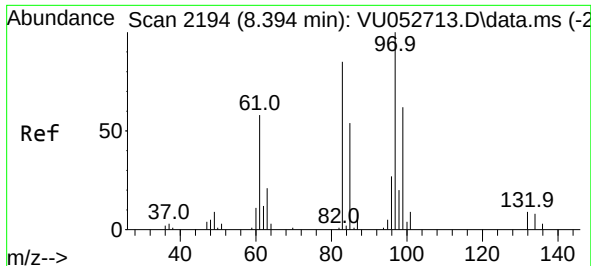
Tgt Ion: 95 Resp: 196919
Ion Ratio Lower Upper
95 100
97 65.0 46.0 85.4
132 95.6 64.0 118.8
130 101.4 66.6 123.8



#35
Methylcyclohexane
Concen: 0.766 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.074 min
Lab File: VU052725.D
Acq: 17 Jan 2023 16:49

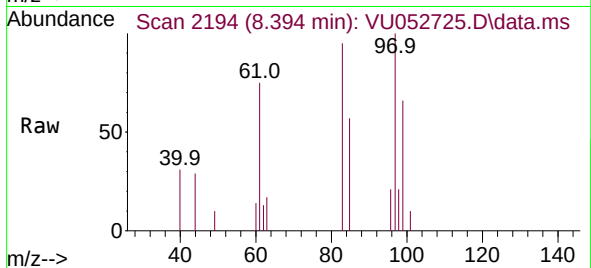
Tgt Ion: 83 Resp: 16100
Ion Ratio Lower Upper
83 100
55 0.0 67.6 101.4#
98 0.0 37.1 55.7#



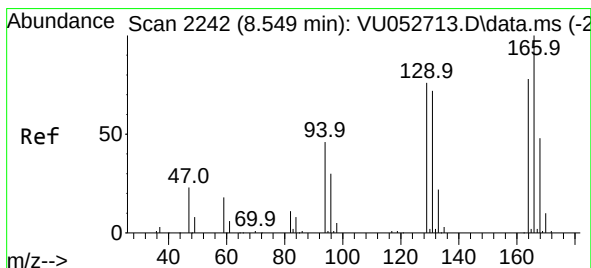
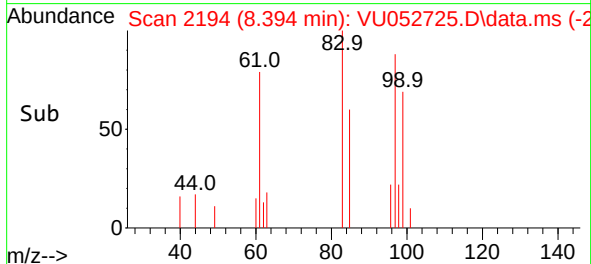
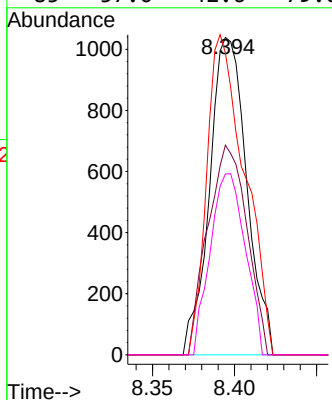


#45
1,1,2-Trichloroethane
Concen: 0.180 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU052725.D
Acq: 17 Jan 2023 16:49

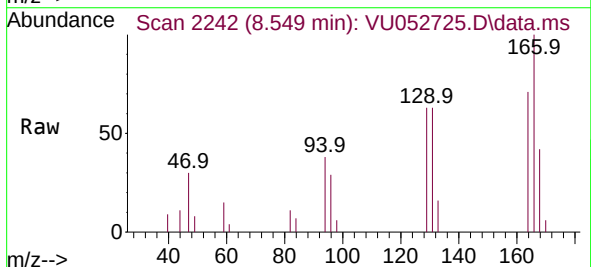
Instrument :
MSVOA_U
ClientSampleId :



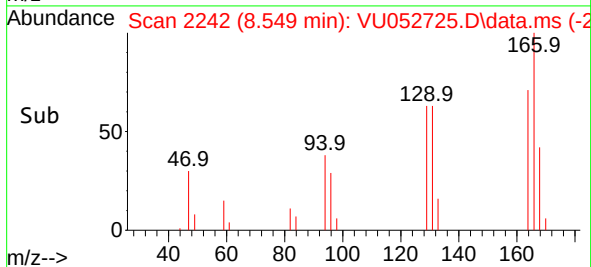
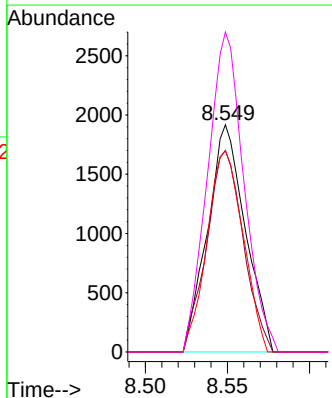
Tgt Ion: 97	Resp: 1633
Ion Ratio	Lower Upper
97 100	
99 66.0	44.8 83.2
83 95.1	65.3 121.3
85 57.0	42.6 79.0

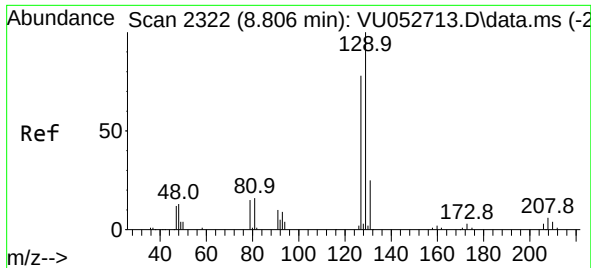


#47
Tetrachloroethene
Concen: 0.326 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU052725.D
Acq: 17 Jan 2023 16:49



Tgt	Ion:164	Resp:	3061
Ion	Ratio	Lower	Upper
164	100		
129	88.6	71.8	133.4
131	88.6	66.6	123.6
166	140.8	89.9	167.0

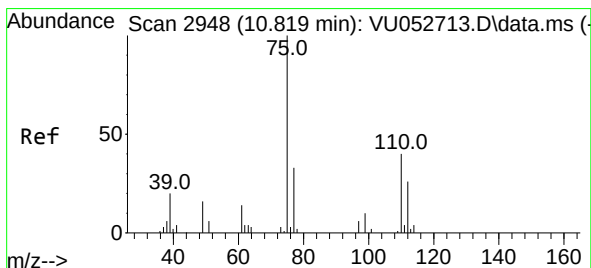
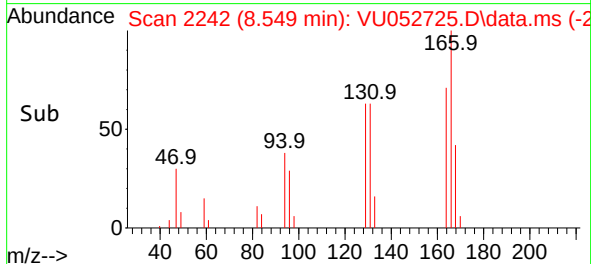
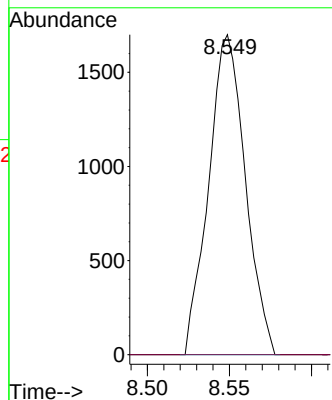
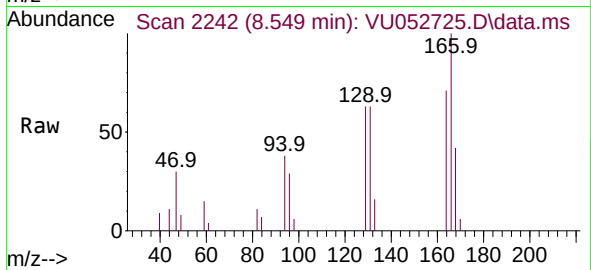




#49
Dibromochloromethane
Concen: 0.251 ug/L
RT: 8.549 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU052725.D
Acq: 17 Jan 2023 16:49

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:129 Resp: 2642
Ion Ratio Lower Upper
129 100
127 0.0 53.5 99.5#



#61
1,2,3-Trichloropropane
Concen: 1.037 ug/L
RT: 11.806 min Scan# 3255
Delta R.T. 0.987 min
Lab File: VU052725.D
Acq: 17 Jan 2023 16:49

Tgt Ion: 75 Resp: 7167
Ion Ratio Lower Upper
75 100
110 1.5 27.2 40.8#
77 30.5 24.0 36.0

