

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110322\
 Data File : VU051731.D
 Acq On : 03 Nov 2022 14:10
 Operator : JC/MD
 Sample : N5321-14
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DBWN8

Quant Time: Nov 04 00:51:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 04 00:49:19 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	196764	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	205171	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	95462	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	61204	4.130	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.600%
7) Chloroethane-d5	1.912	69	55608	3.598	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.000%
11) 1,1-Dichloroethene-d2	2.565	65	24114	4.484	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.600%
20) 2-Butanone-d5	4.620	46	182694	34.041	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	68.080%
24) Chloroform-d	5.060	84	133614	3.853	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.000%
26) 1,2-Dichloroethane-d4	5.700	65	67813	3.620	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.400%
32) Benzene-d6	5.726	84	252539	3.900	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.000%
36) 1,2-Dichloropropane-d6	6.687	67	87959	3.885	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	77.800%
41) Toluene-d8	7.896	98	197817	3.885	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.800%
43) trans-1,3-Dichloroprop...	8.179	79	27214	3.931	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.600%
46) 2-Hexanone-d5	8.629	63	137746	33.055	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	66.100%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	75385	3.634	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	72.600%
66) 1,2-Dichlorobenzene-d4	12.192	152	82878	4.730	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.527	50	3381	0.125	ug/L #	71
5) Vinyl chloride	1.604	62	220362	8.481	ug/L #	5
8) Chloroethane	1.935	64	6880	0.436	ug/L #	56
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	911	0.054	ug/L #	19
12) 1,1-Dichloroethene	2.578	96	10445	0.611	ug/L #	1
14) Carbon disulfide	2.793	76	11081	0.201	ug/L	95
18) trans-1,2-Dichloroethene	3.350	96	304686	16.597	ug/L	99
22) cis-1,2-Dichloroethene	4.662	96	2030841	99.977	ug/L	100
25) Chloroform	5.086	83	27331	0.778	ug/L	100
33) Benzene	5.777	78	8107	0.100	ug/L	100
34) Trichloroethene	6.539	95	211190	10.808	ug/L	98
35) Methylcyclohexane	6.687	83	19773	0.732	ug/L #	20
37) 1,2-Dichloropropane	6.690	63	8871	0.426	ug/L #	88
38) Bromodichloromethane	7.108	83	3400	0.134	ug/L	96
51) Chlorobenzene	9.446	112	4263	0.081	ug/L	99
61) 1,2,3-Trichloropropane	11.809	75	12456	1.009	ug/L #	66
62) 1,3,5-Trimethylbenzene	11.468	105	1502	0.080	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	2917	0.084	ug/L	89
71) Naphthalene	14.089	128	11399	0.322	ug/L #	96

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QLast Update : Fri Nov 04 00:49:19 2022
Response via : Initial Calibration

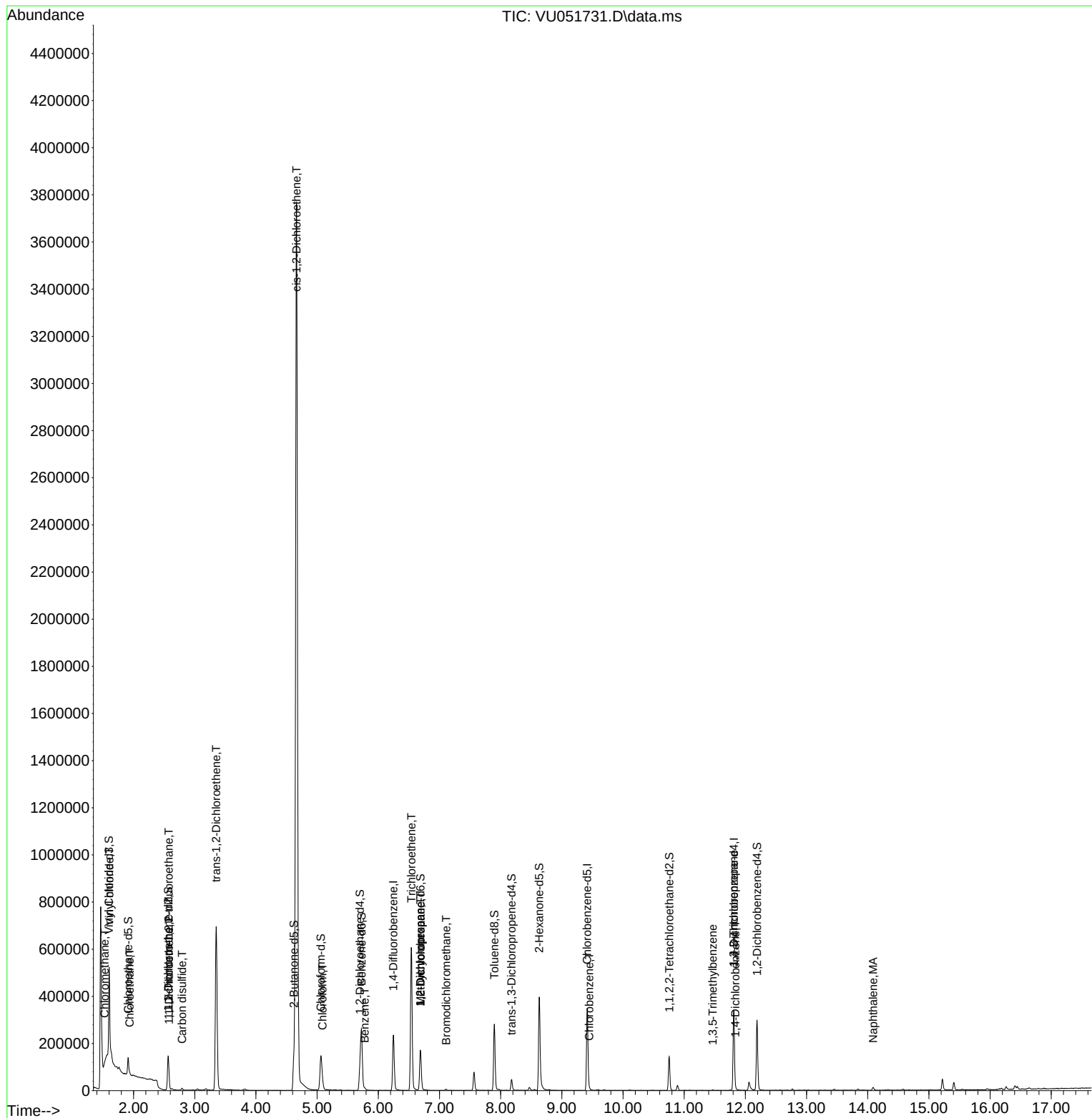
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

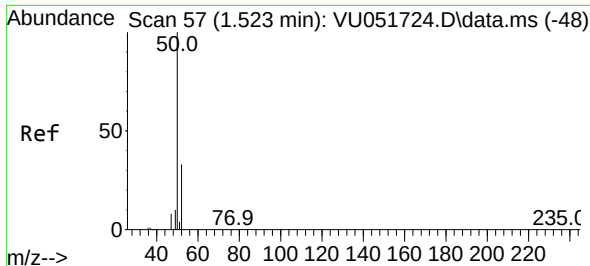
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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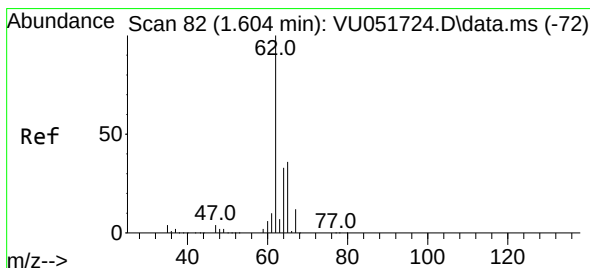
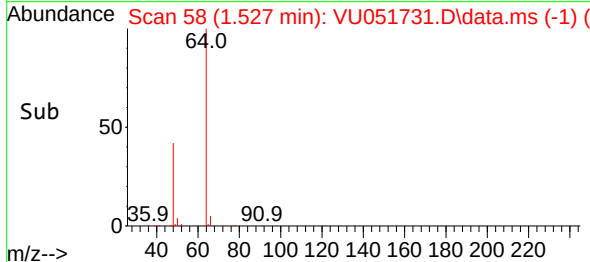
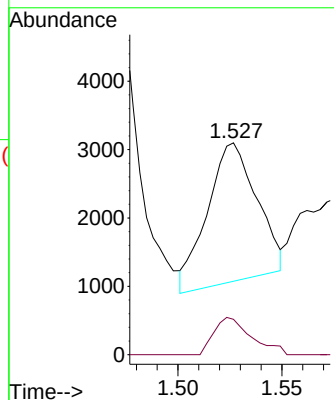
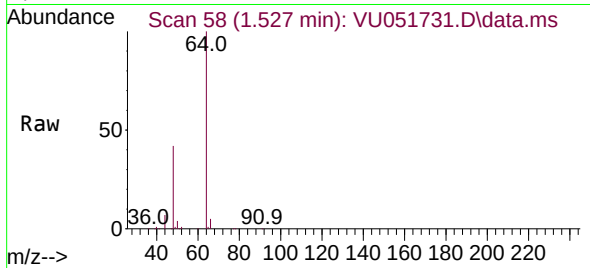




#3
Chloromethane
Concen: 0.125 ug/L
RT: 1.527 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU051731.D
Acq: 03 Nov 2022 14:10

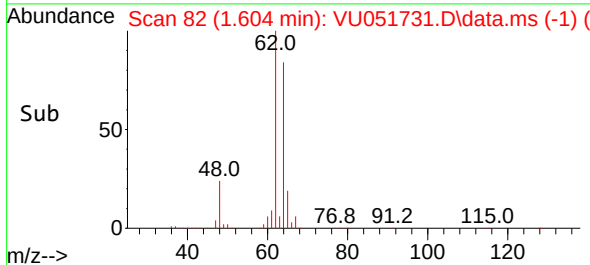
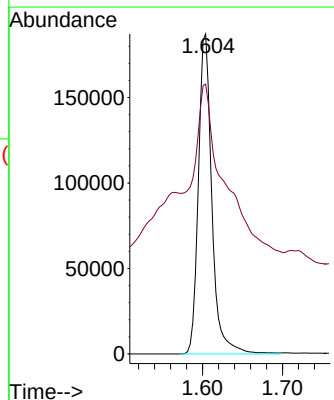
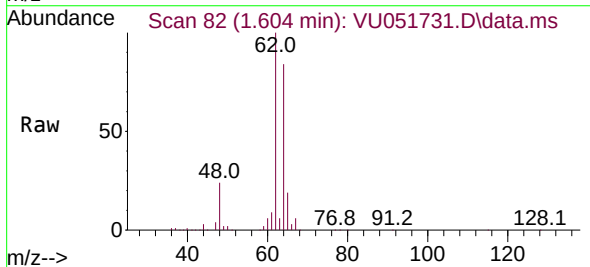
Instrument :
MSVOA_U
ClientSampleId :
DBWN8

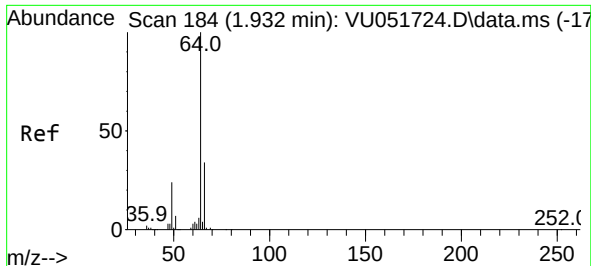
Tgt Ion: 50 Resp: 3381
Ion Ratio Lower Upper
50 100
52 16.7 23.2 43.2#



#5
Vinyl chloride
Concen: 8.481 ug/L
RT: 1.604 min Scan# 82
Delta R.T. 0.000 min
Lab File: VU051731.D
Acq: 03 Nov 2022 14:10

Tgt Ion: 62 Resp: 220362
Ion Ratio Lower Upper
62 100
64 84.4 22.1 41.1#

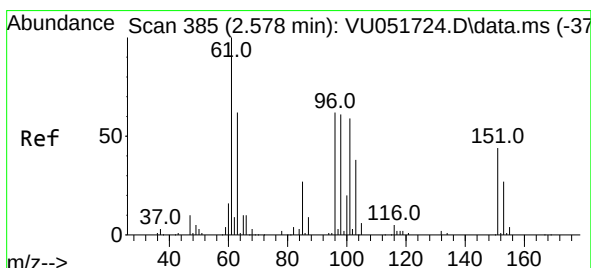
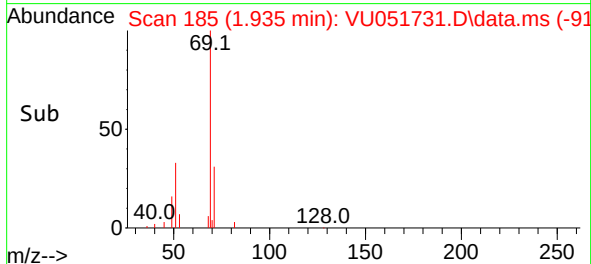
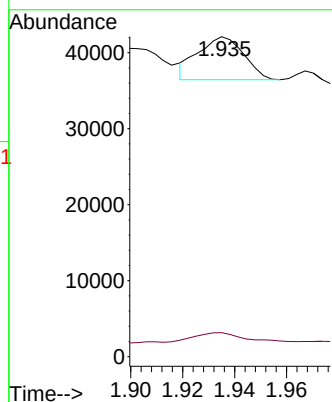
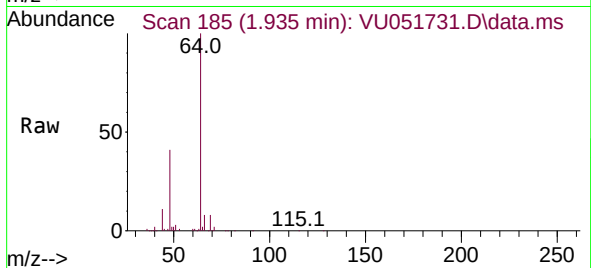




#8
Chloroethane
Concen: 0.436 ug/L
RT: 1.935 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU051731.D
Acq: 03 Nov 2022 14:10

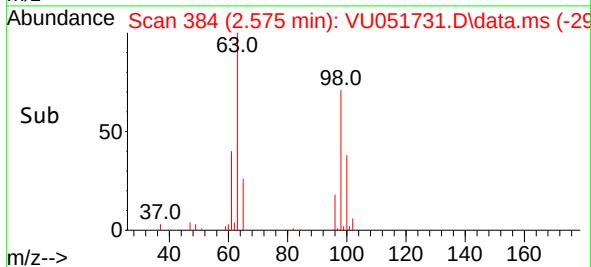
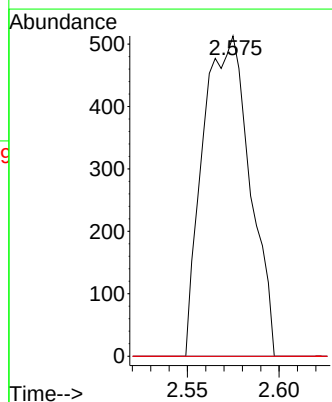
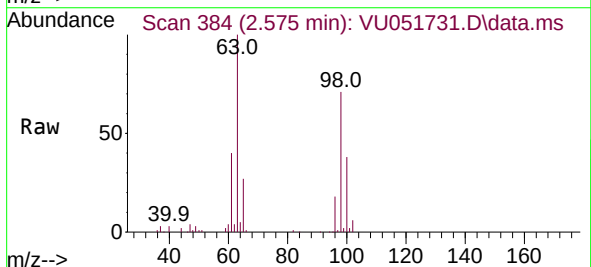
Instrument :
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ClientSampleId :
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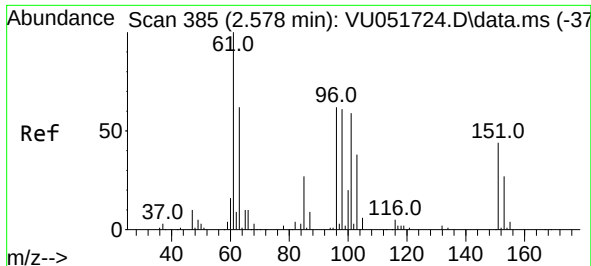
Tgt Ion: 64 Resp: 6880
Ion Ratio Lower Upper
64 100
66 7.5 22.3 41.5#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.054 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.003 min
Lab File: VU051731.D
Acq: 03 Nov 2022 14:10

Tgt Ion: 101 Resp: 911
Ion Ratio Lower Upper
101 100
85 0.0 35.6 53.4#
151 0.0 59.6 89.4#

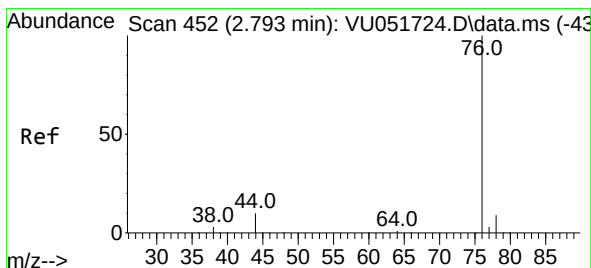
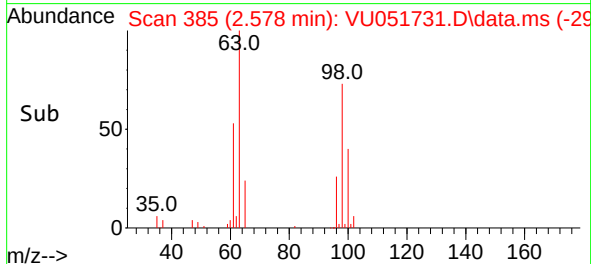
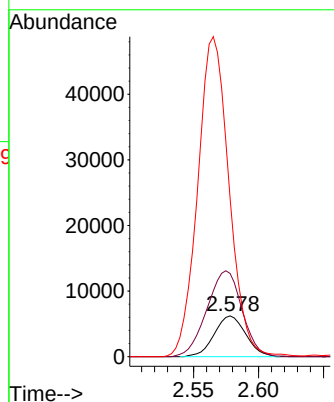
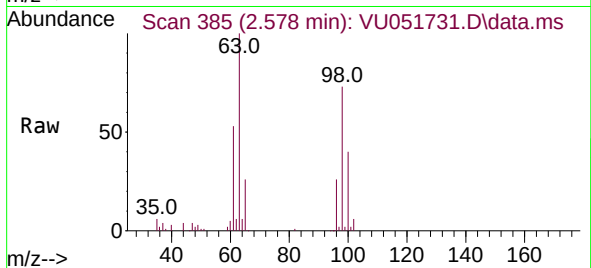




#12
1,1-Dichloroethene
Concen: 0.611 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU051731.D
Acq: 03 Nov 2022 14:10

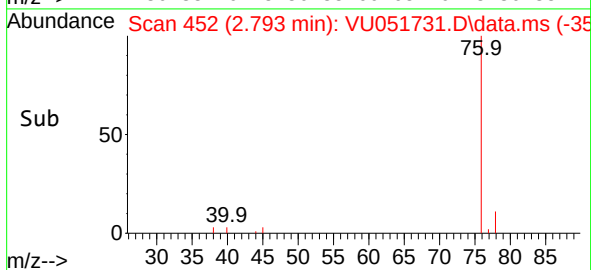
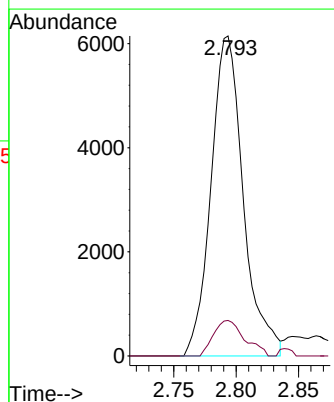
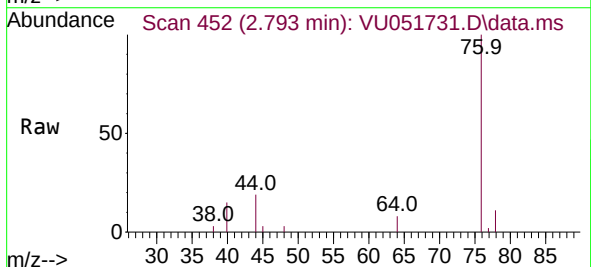
Instrument :
MSVOA_U
ClientSampleId :
DBWN8

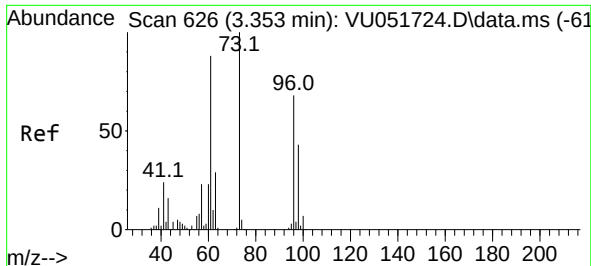
Tgt Ion: 96 Resp: 10445
Ion Ratio Lower Upper
96 100
61 204.4 108.8 202.0#
63 387.9 64.9 120.5#



#14
Carbon disulfide
Concen: 0.201 ug/L
RT: 2.793 min Scan# 452
Delta R.T. 0.000 min
Lab File: VU051731.D
Acq: 03 Nov 2022 14:10

Tgt Ion: 76 Resp: 11081
Ion Ratio Lower Upper
76 100
78 11.1 7.4 11.2

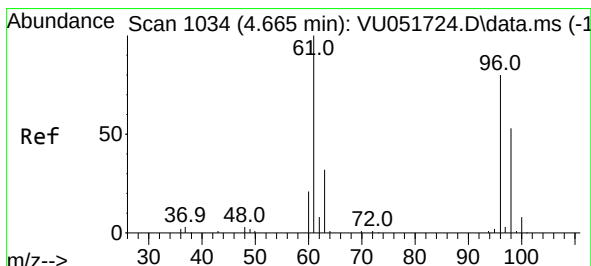
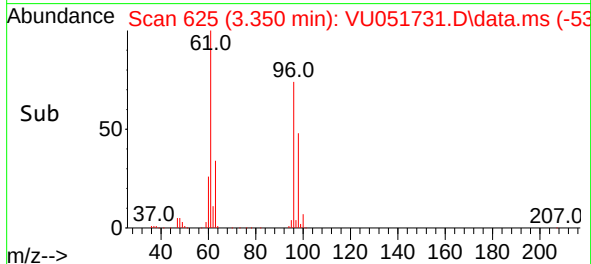
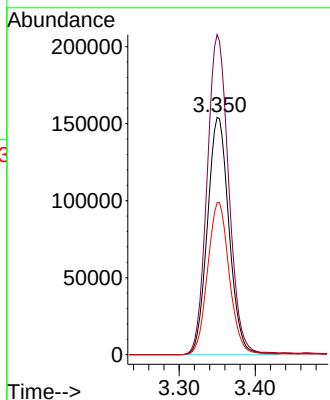
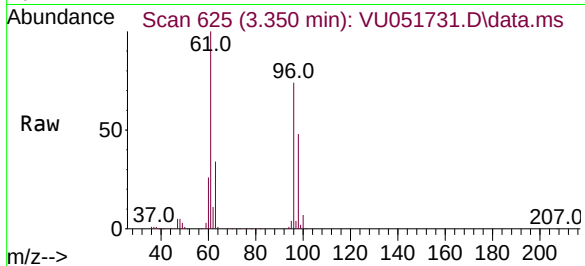




#18
trans-1,2-Dichloroethene
Concen: 16.597 ug/L
RT: 3.350 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU051731.D
Acq: 03 Nov 2022 14:10

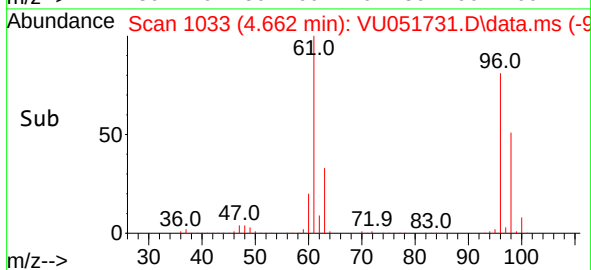
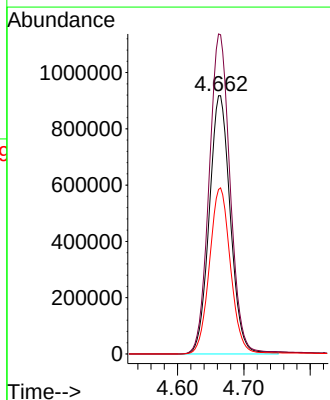
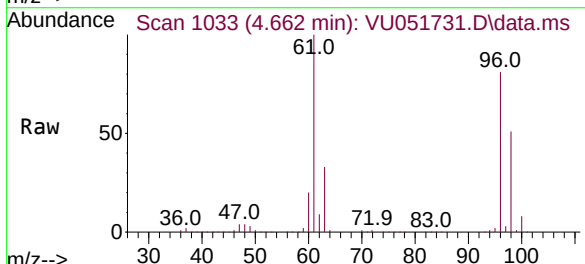
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ClientSampleId :
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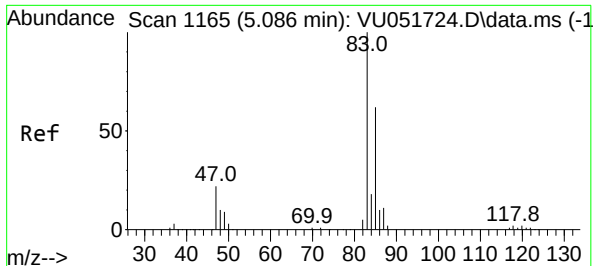
Tgt Ion: 96 Resp: 304686
Ion Ratio Lower Upper
96 100
61 134.8 94.7 175.9
98 64.1 44.2 82.0



#22
cis-1,2-Dichloroethene
Concen: 99.977 ug/L
RT: 4.662 min Scan# 1033
Delta R.T. -0.003 min
Lab File: VU051731.D
Acq: 03 Nov 2022 14:10

Tgt Ion: 96 Resp: 2030841
Ion Ratio Lower Upper
96 100
61 123.9 86.4 160.4
98 63.7 44.2 82.2





#25

Chloroform

Concen: 0.778 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU051731.D

Acq: 03 Nov 2022 14:10

Instrument :

MSVOA_U

ClientSampleId :

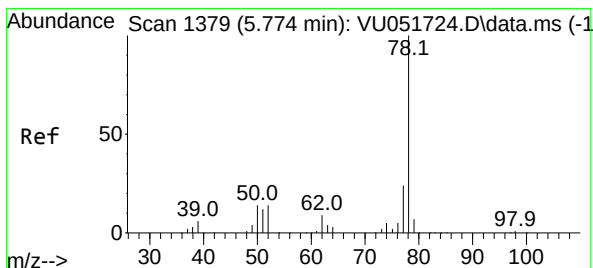
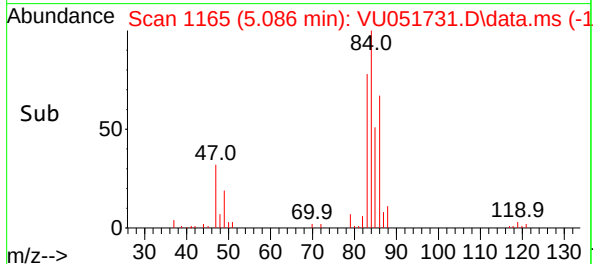
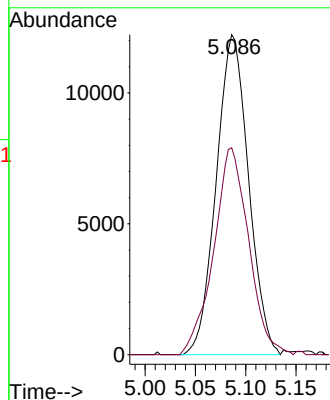
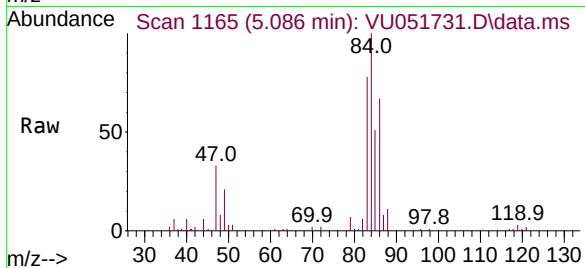
DBWN8

Tgt Ion: 83 Resp: 27331

Ion Ratio Lower Upper

83 100

85 64.7 45.2 84.0



#33

Benzene

Concen: 0.100 ug/L

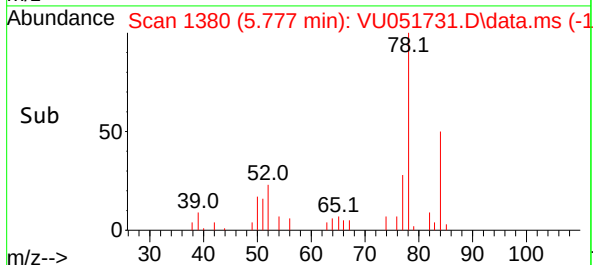
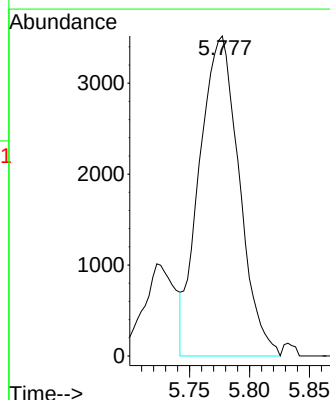
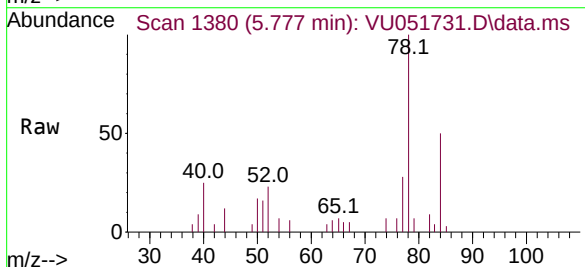
RT: 5.777 min Scan# 1380

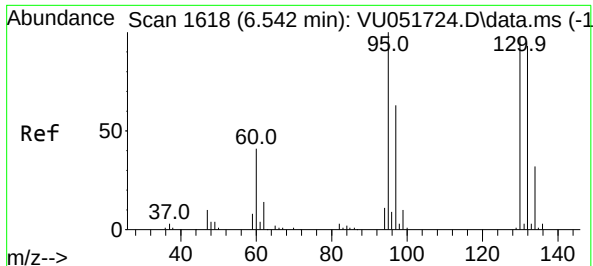
Delta R.T. 0.003 min

Lab File: VU051731.D

Acq: 03 Nov 2022 14:10

Tgt Ion: 78 Resp: 8107

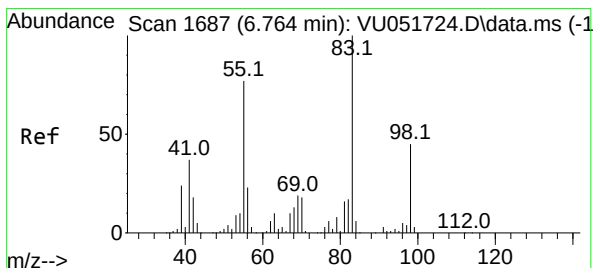
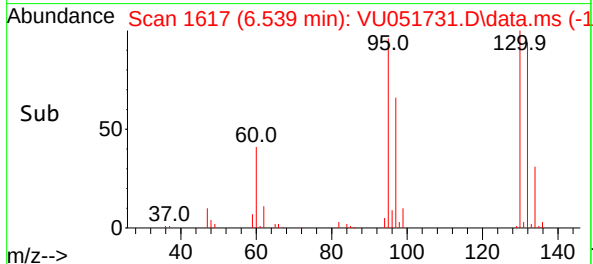
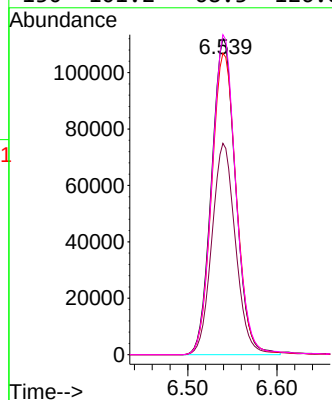
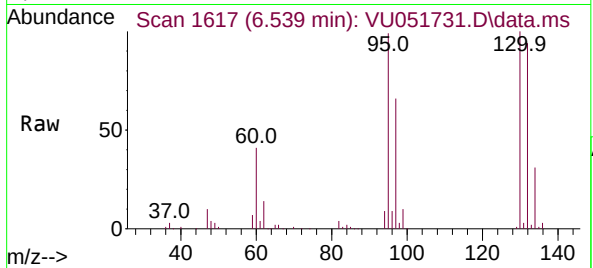




#34
Trichloroethene
Concen: 10.808 ug/L
RT: 6.539 min Scan# 1663
Delta R.T. -0.003 min
Lab File: VU051731.D
Acq: 03 Nov 2022 14:10

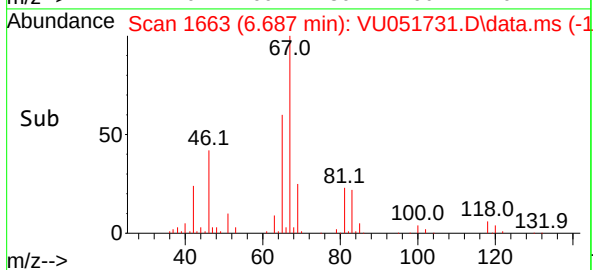
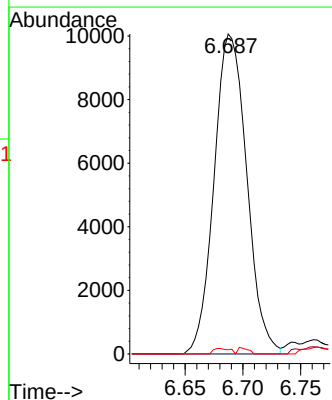
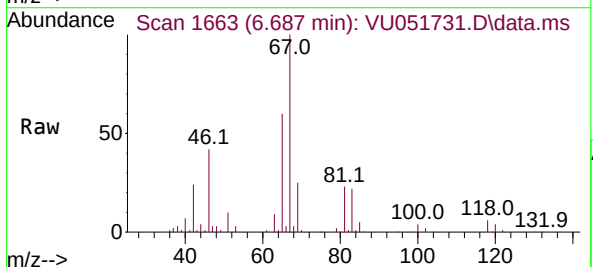
Instrument :
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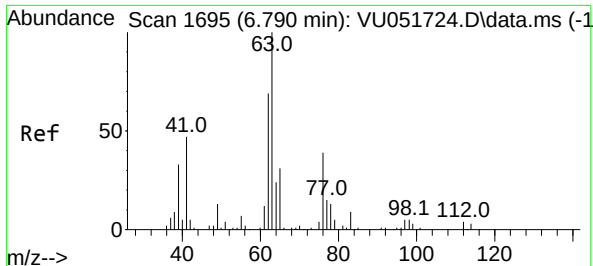
Tgt Ion: 95 Resp: 211190
Ion Ratio Lower Upper
95 100
97 66.9 45.2 84.0
132 95.3 66.5 123.5
130 101.2 68.3 126.8



#35
Methylcyclohexane
Concen: 0.732 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.077 min
Lab File: VU051731.D
Acq: 03 Nov 2022 14:10

Tgt Ion: 83 Resp: 19773
Ion Ratio Lower Upper
83 100
55 0.6 60.6 90.8#
98 0.9 35.8 53.6#





#37

1,2-Dichloropropane

Concen: 0.426 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.099 min

Lab File: VU051731.D

Acq: 03 Nov 2022 14:10

Instrument :

MSVOA_U

ClientSampleId :

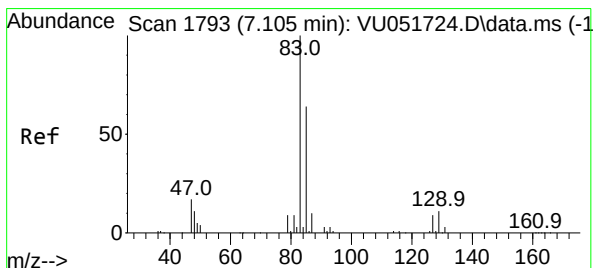
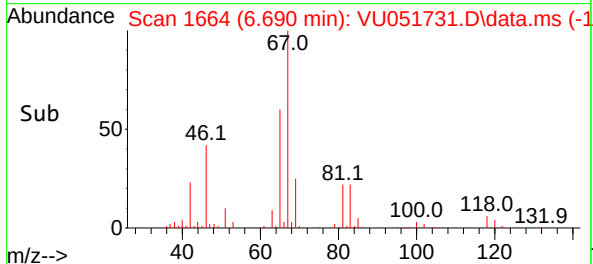
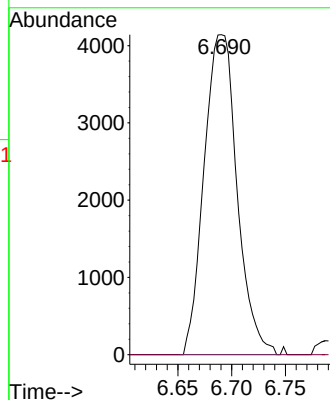
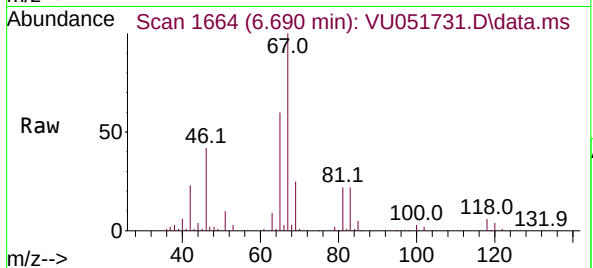
DBWN8

Tgt Ion: 63 Resp: 8871

Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#



#38

Bromodichloromethane

Concen: 0.134 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.003 min

Lab File: VU051731.D

Acq: 03 Nov 2022 14:10

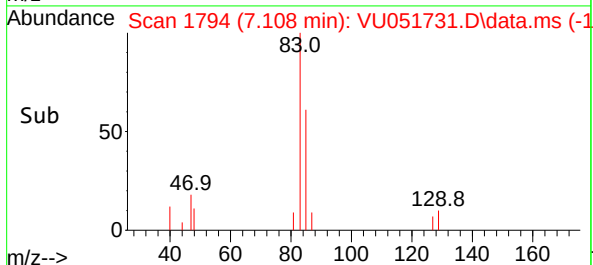
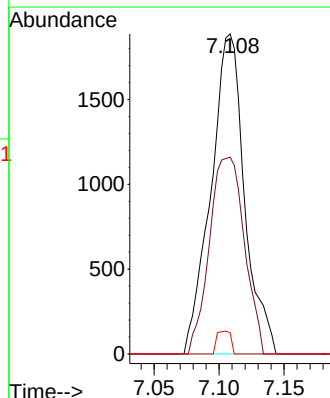
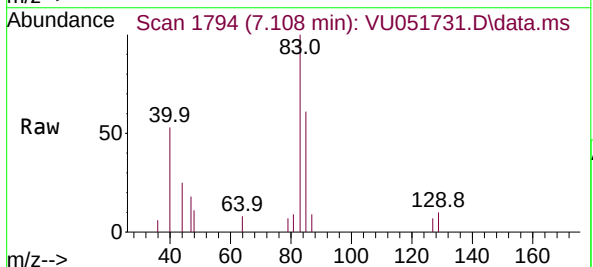
Tgt Ion: 83 Resp: 3400

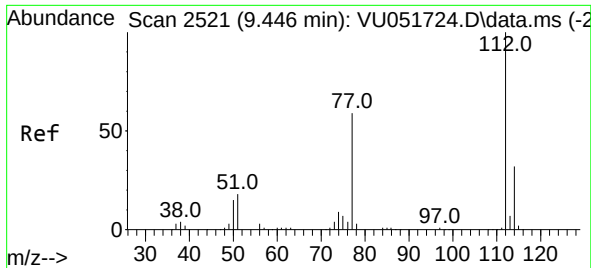
Ion Ratio Lower Upper

83 100

85 61.5 45.1 83.7

127 6.6 6.6 9.8

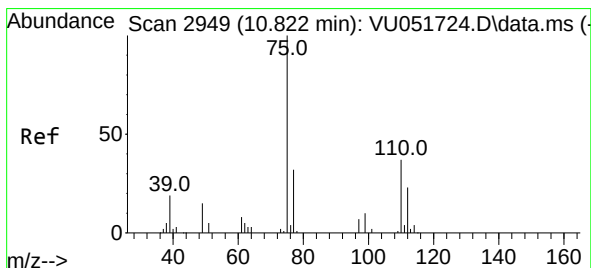
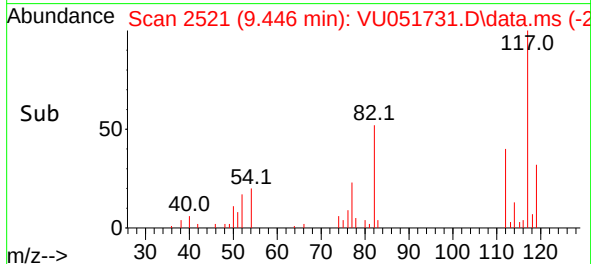
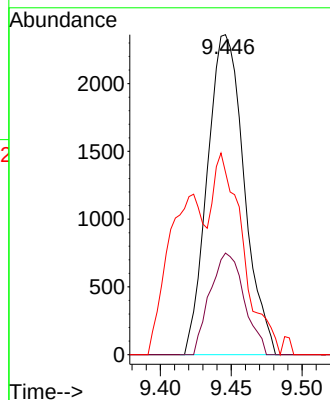
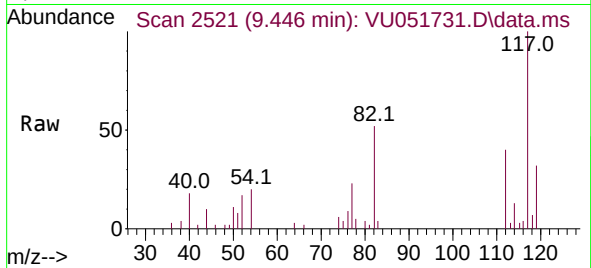




#51
Chlorobenzene
Concen: 0.081 ug/L
RT: 9.446 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU051731.D
Acq: 03 Nov 2022 14:10

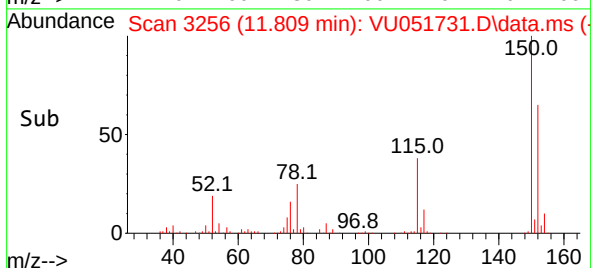
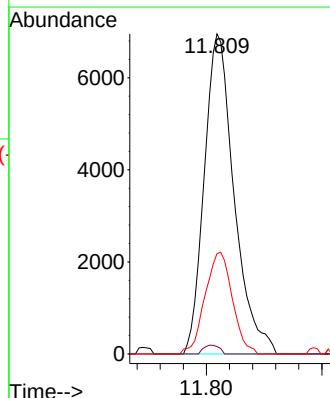
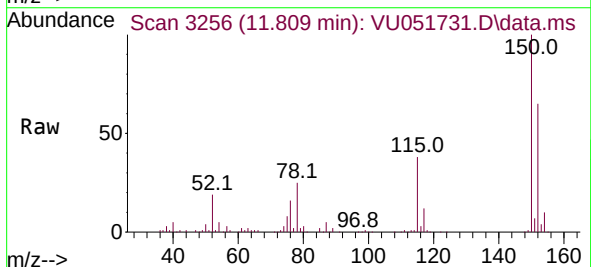
Instrument :
MSVOA_U
ClientSampleId :
DBWN8

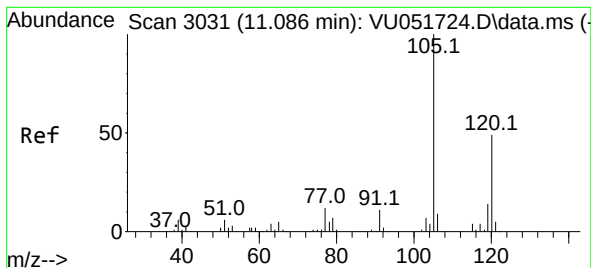
Tgt Ion:112 Resp: 4263
Ion Ratio Lower Upper
112 100
114 31.7 22.0 40.8
77 57.1 46.7 70.1



#61
1,2,3-Trichloropropane
Concen: 1.009 ug/L
RT: 11.809 min Scan# 3256
Delta R.T. 0.987 min
Lab File: VU051731.D
Acq: 03 Nov 2022 14:10

Tgt Ion: 75 Resp: 12456
Ion Ratio Lower Upper
75 100
110 1.4 28.7 43.1#
77 29.1 26.1 39.1





#62

1,3,5-Trimethylbenzene

Concen: 0.080 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.383 min

Lab File: VU051731.D

Acq: 03 Nov 2022 14:10

Instrument :

MSVOA_U

ClientSampleId :

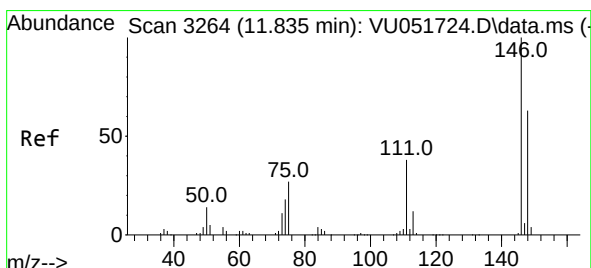
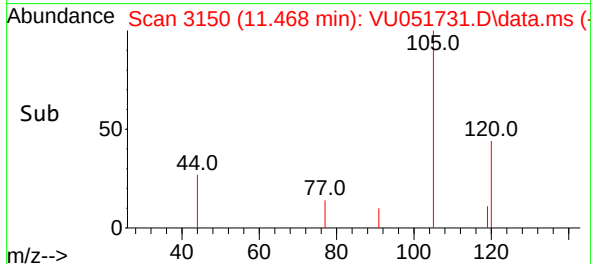
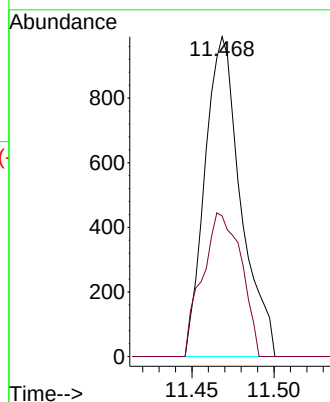
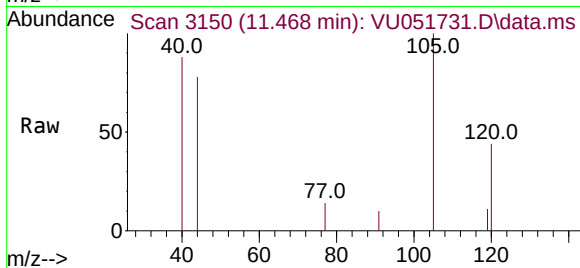
DBWN8

Tgt Ion:105 Resp: 1502

Ion Ratio Lower Upper

105 100

120 48.6 38.6 57.8



#65

1,4-Dichlorobenzene

Concen: 0.084 ug/L

RT: 11.835 min Scan# 3264

Delta R.T. 0.000 min

Lab File: VU051731.D

Acq: 03 Nov 2022 14:10

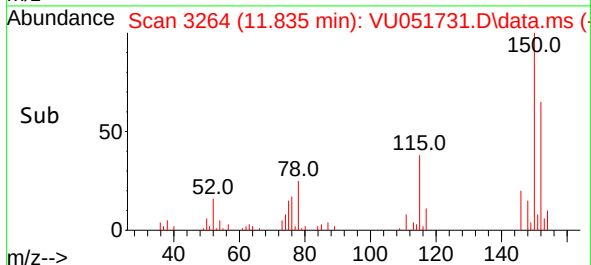
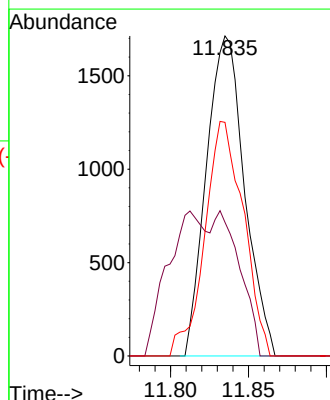
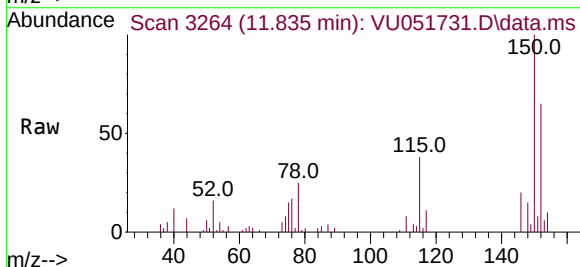
Tgt Ion:146 Resp: 2917

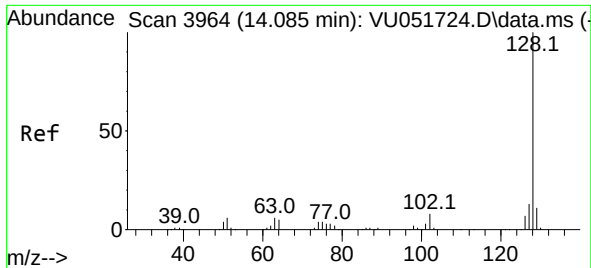
Ion Ratio Lower Upper

146 100

111 41.7 26.7 49.5

148 73.0 43.5 80.9





#71

Naphthalene

Concen: 0.322 ug/L

RT: 14.089 min Scan# 3965

Delta R.T. 0.003 min

Lab File: VU051731.D

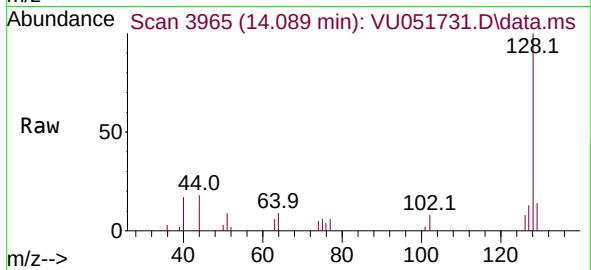
Acq: 03 Nov 2022 14:10

Instrument :

MSVOA_U

ClientSampleId :

DBWN8



Tgt Ion:	128	Resp:	11399
Ion	Ratio	Lower	Upper
128	100		
129	12.8	8.4	12.6#
127	12.1	10.3	15.5

