

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092722\
 Data File : VU050959.D
 Acq On : 27 Sep 2022 16:08
 Operator : JC/MD
 Sample : N4854-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F5J23

Quant Time: Sep 28 02:02:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 28 01:59:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	2535	50.000	ug/L	# 0.00
28) Chlorobenzene-d5	9.420	117	3911	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	4431	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	353	13.440	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	26.880%#
7) Chloroethane-d5	1.913	69	237	12.670	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	25.340%#
11) 1,1-Dichloroethene-d2	2.565	63	591	14.461	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	28.920%#
21) 2-Butanone-d5	4.649	46	109	6.428	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	6.430%#
24) Chloroform-d	5.057	84	394	9.572	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	19.140%#
26) 1,2-Dichloroethane-d4	5.707	65	1489	58.702	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	117.400%
32) Benzene-d6	5.723	84	820	6.365	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	12.740%#
36) 1,2-Dichloropropane-d6	6.691	67	713	16.397	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	32.800%#
41) Toluene-d8	7.903	98	3347	29.723	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	59.440%#
43) trans-1,3-Dichloroprop...	8.176	79	314	16.600	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	33.200%#
47) 2-Hexanone-d5	8.642	63	592	33.037	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	33.040%#
56) 1,1,2,2-Tetrachloroeth...	10.758	84	2510	37.862	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	75.720%
66) 1,2-Dichlorobenzene-d4	12.192	152	3843	41.423	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.840%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	449	14.714	ug/L	100
6) Bromomethane	1.877	94	39	2.584	ug/L	# 4
8) Chloroethane	1.932	64	158	9.552	ug/L	# 42
13) Acetone	2.636	43	1433	99.809	ug/L	89
14) Carbon disulfide	2.797	76	339	5.501	ug/L	# 74
15) Methyl Acetate	2.665	43	205	7.566	ug/L	# 50
16) Methylene chloride	3.054	84	331	12.232	ug/L	87
20) cis-1,2-Dichloroethene	4.668	96	2738	123.625	ug/L	76
22) 2-Butanone	4.742	43	325	17.173	ug/L	# 45
25) Chloroform	5.086	83	1456	36.197	ug/L	# 71
34) Trichloroethene	6.546	95	1401	41.905	ug/L	79
38) Bromodichloromethane	7.105	83	1236	26.340	ug/L	# 75
45) 1,1,2-Trichloroethane	8.552	97	1834	50.530	ug/L	# 1
46) Tetrachloroethene	8.552	164	226576	9430.577	ug/L	99
48) 2-Hexanone	8.690	43	3429	75.603	ug/L	# 84
49) Dibromochloromethane	8.684	129	142	3.990	ug/L	# 10
51) Chlorobenzene	9.449	112	122	1.399	ug/L	# 27
60) 1,2,3-Trichloropropane	11.816	75	486	3.899	ug/L	# 59
64) 1,3-Dichlorobenzene	11.751	146	101	0.697	ug/L	# 59

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092722\
Data File : VU050959.D
Acq On : 27 Sep 2022 16:08
Operator : JC/MD
Sample : N4854-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

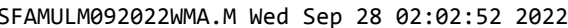
Instrument :
MSVOA_U
ClientSampleId :
F5J23

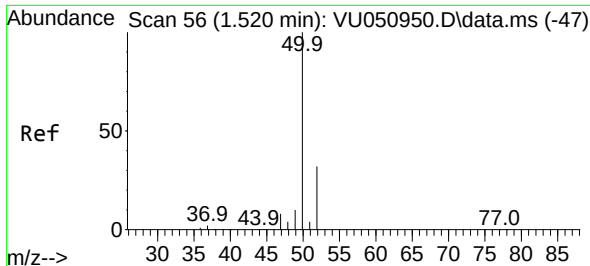
Quant Time: Sep 28 02:02:46 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 28 01:59:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	11.845	146	274	1.864	ug/L #	25
67) 1,2-Dichlorobenzene	11.845	146	274	1.787	ug/L #	23

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

Quant Time: Sep 28 02:02:46 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 28 01:59:42 2022
Response via : Initial Calibration

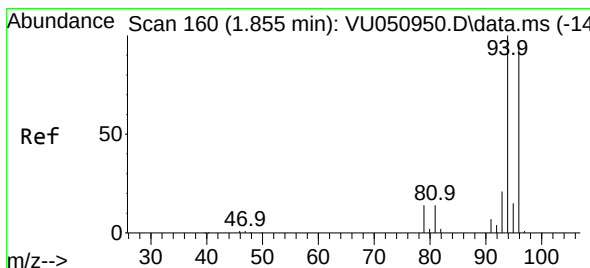
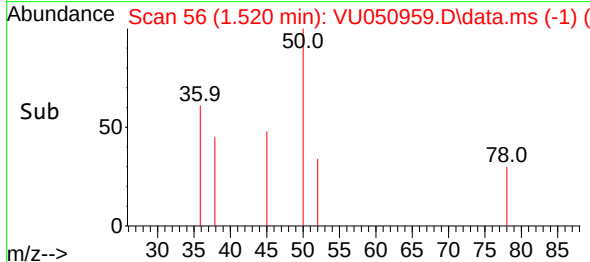
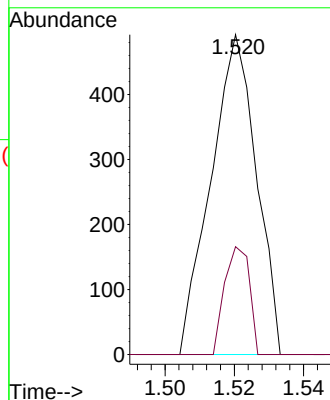
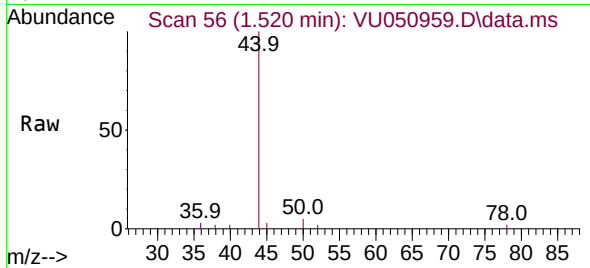




#3
Chloromethane
Concen: 14.714 ug/L
RT: 1.520 min Scan# 50
Delta R.T. 0.000 min
Lab File: VU050959.D
Acq: 27 Sep 2022 16:08

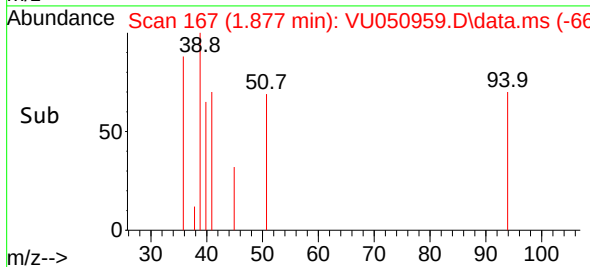
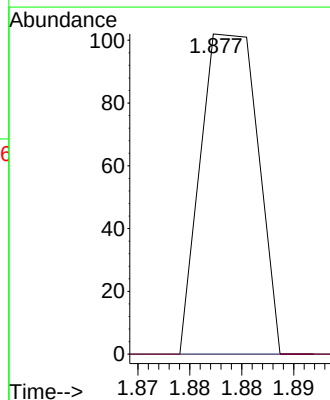
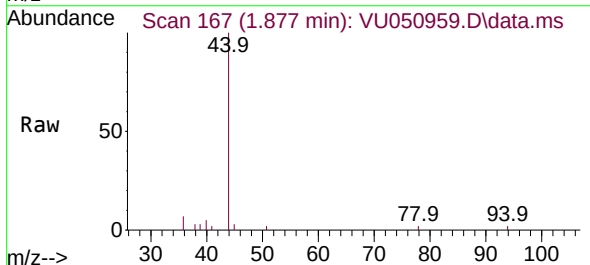
Instrument :
MSVOA_U
ClientSampleId :
F5J23

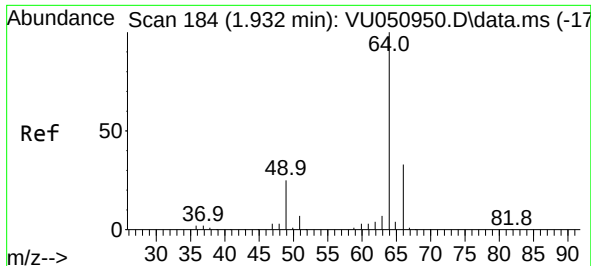
Tgt Ion: 50 Resp: 449
Ion Ratio Lower Upper
50 100
52 33.7 23.7 43.9



#6
Bromomethane
Concen: 2.584 ug/L
RT: 1.877 min Scan# 167
Delta R.T. 0.026 min
Lab File: VU050959.D
Acq: 27 Sep 2022 16:08

Tgt Ion: 94 Resp: 39
Ion Ratio Lower Upper
94 100
96 0.0 64.0 119.0#

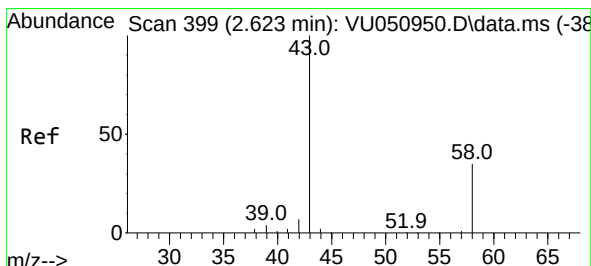
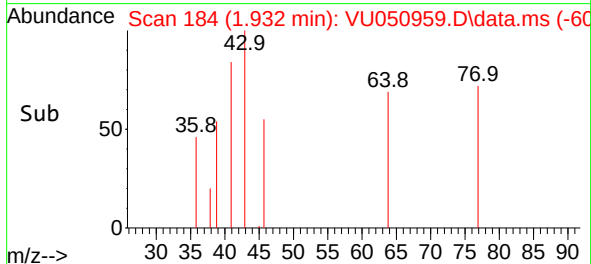
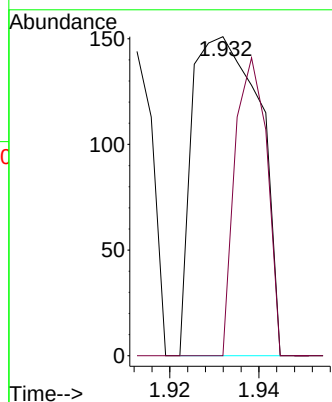
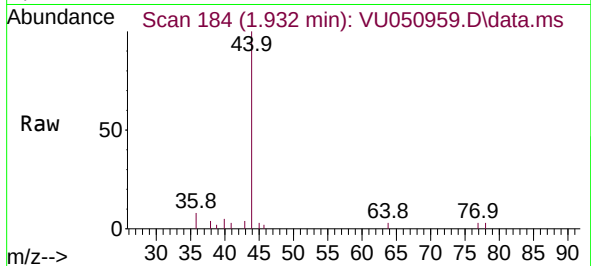




#8
Chloroethane
Concen: 9.552 ug/L
RT: 1.932 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU050959.D
Acq: 27 Sep 2022 16:08

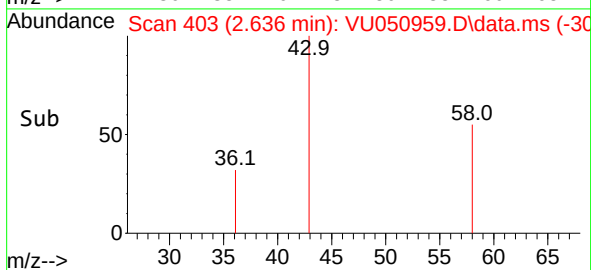
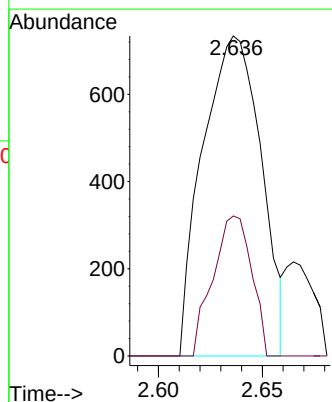
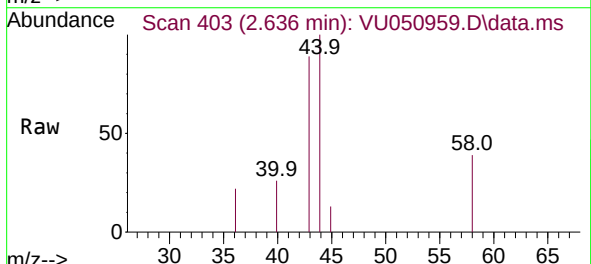
Instrument :
MSVOA_U
ClientSampleId :
F5J23

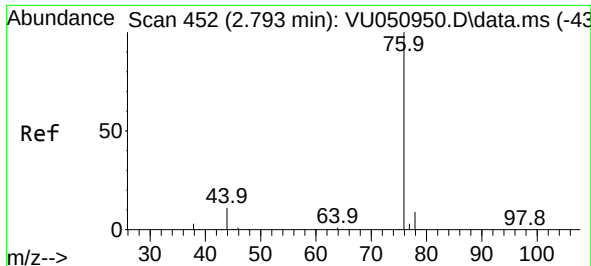
Tgt Ion: 64 Resp: 158
Ion Ratio Lower Upper
64 100
66 0.0 22.9 42.5#



#13
Acetone
Concen: 99.809 ug/L
RT: 2.636 min Scan# 403
Delta R.T. 0.013 min
Lab File: VU050959.D
Acq: 27 Sep 2022 16:08

Tgt Ion: 43 Resp: 1433
Ion Ratio Lower Upper
43 100
58 29.0 0.0 71.4





#14

Carbon disulfide

Concen: 5.501 ug/L

RT: 2.797 min Scan# 411

Delta R.T. 0.003 min

Lab File: VU050959.D

Acq: 27 Sep 2022 16:08

Instrument :

MSVOA_U

ClientSampleId :

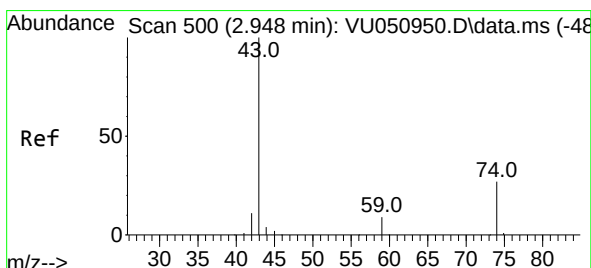
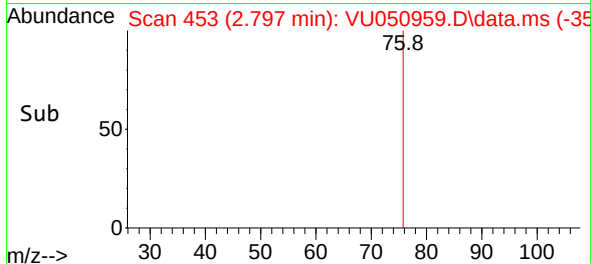
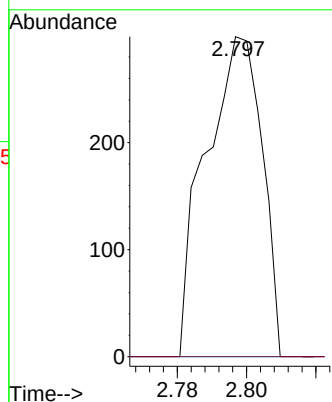
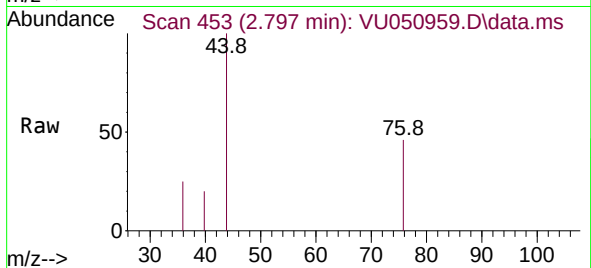
F5J23

Tgt Ion: 76 Resp: 339

Ion Ratio Lower Upper

76 100

78 0.0 7.5 11.3#



#15

Methyl Acetate

Concen: 7.566 ug/L

RT: 2.665 min Scan# 412

Delta R.T. -0.280 min

Lab File: VU050959.D

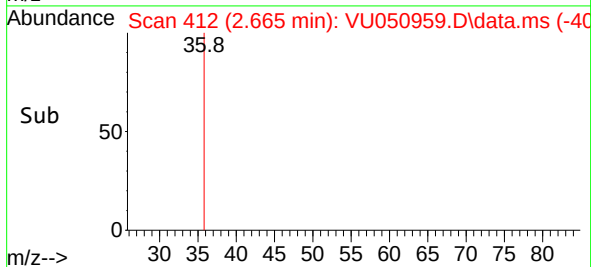
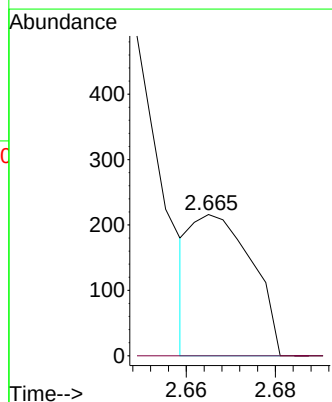
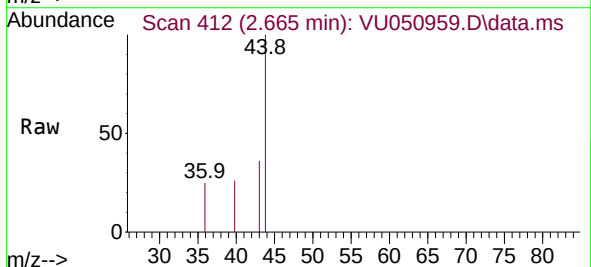
Acq: 27 Sep 2022 16:08

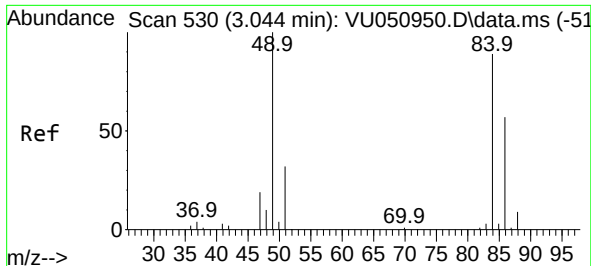
Tgt Ion: 43 Resp: 205

Ion Ratio Lower Upper

43 100

74 0.0 19.9 29.9#

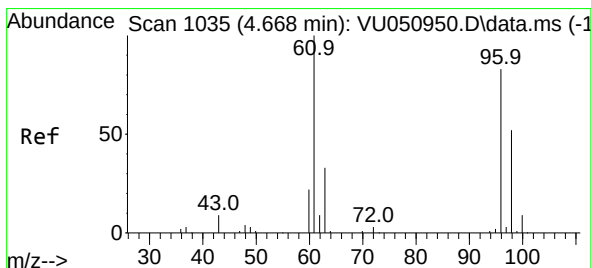
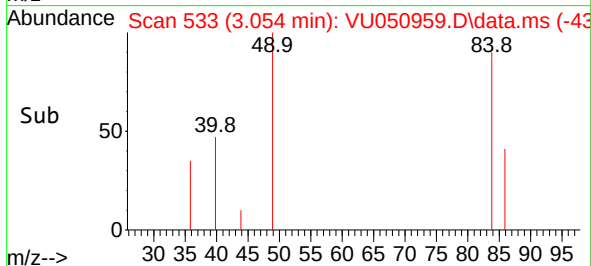
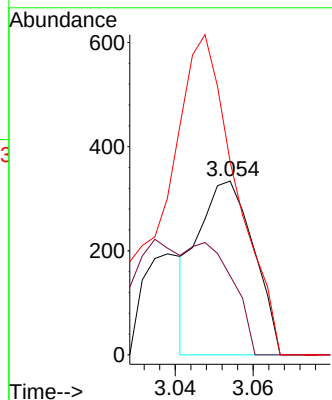
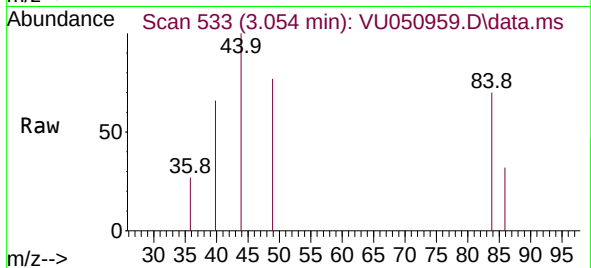




#16
Methylene chloride
Concen: 12.232 ug/L
RT: 3.054 min Scan# 511
Delta R.T. 0.010 min
Lab File: VU050959.D
Acq: 27 Sep 2022 16:08

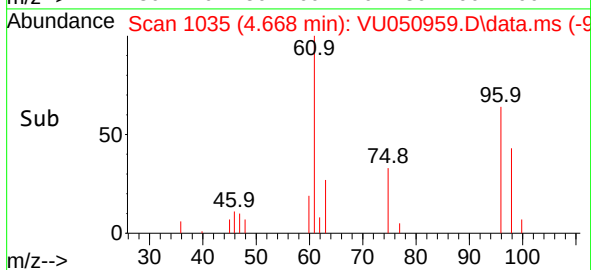
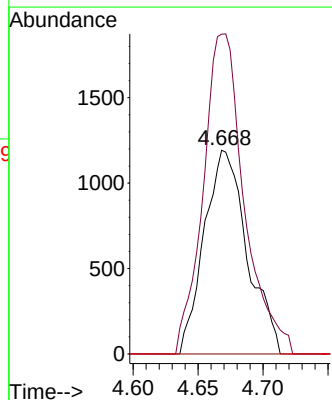
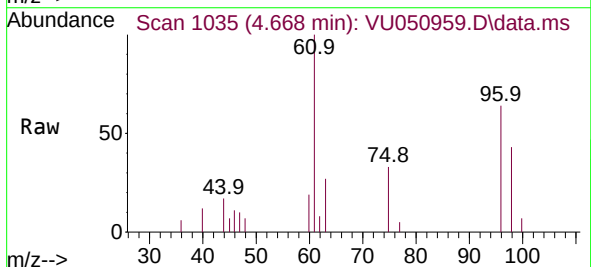
Instrument :
MSVOA_U
ClientSampleId :
F5J23

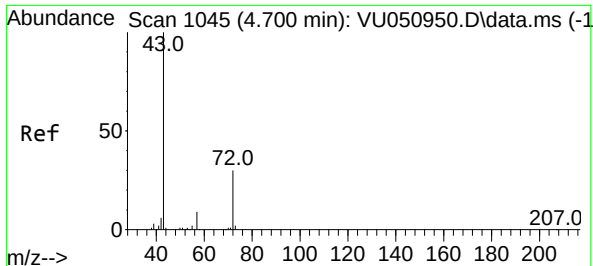
Tgt Ion: 84 Resp: 331
Ion Ratio Lower Upper
84 100
86 45.5 44.4 82.5
49 111.1 83.3 154.7



#20
cis-1,2-Dichloroethene
Concen: 123.625 ug/L
RT: 4.668 min Scan# 1035
Delta R.T. 0.000 min
Lab File: VU050959.D
Acq: 27 Sep 2022 16:08

Tgt Ion: 96 Resp: 2738
Ion Ratio Lower Upper
96 100
61 157.0 90.1 167.3
68 0.0 0.0 0.0





#22

2-Butanone

Concen: 17.173 ug/L

RT: 4.742 min Scan# 1105

Delta R.T. 0.045 min

Lab File: VU050959.D

Acq: 27 Sep 2022 16:08

Instrument :

MSVOA_U

ClientSampleId :

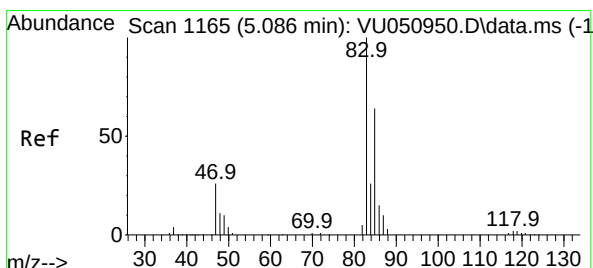
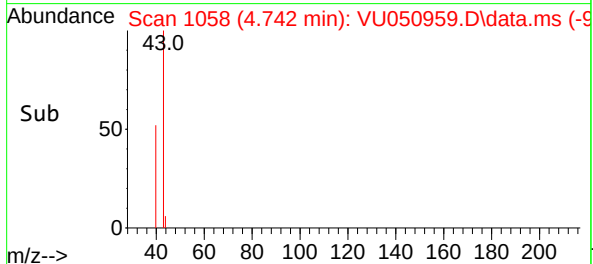
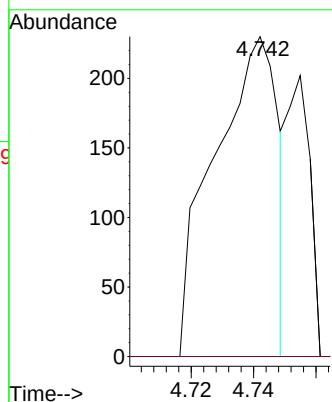
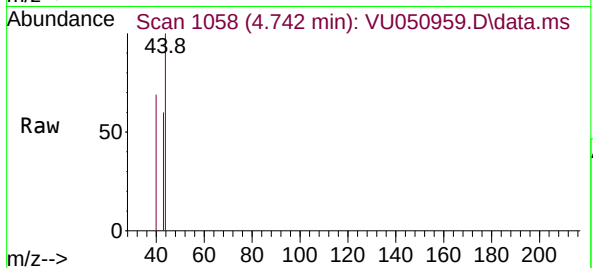
F5J23

Tgt Ion: 43 Resp: 325

Ion Ratio Lower Upper

43 100

72 0.0 14.8 44.3#



#25

Chloroform

Concen: 36.197 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.003 min

Lab File: VU050959.D

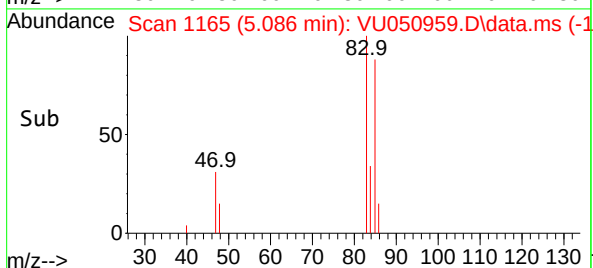
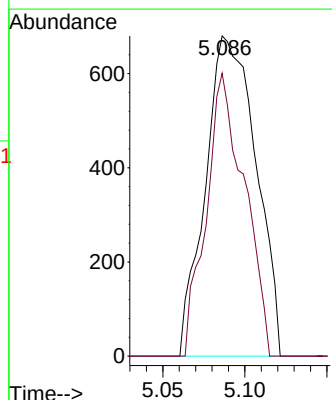
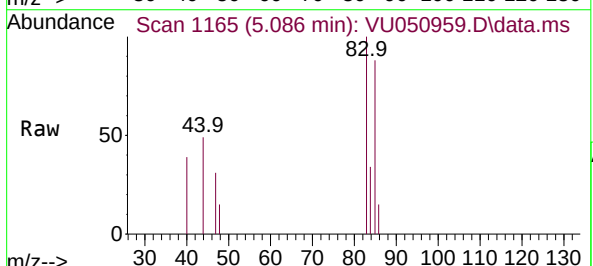
Acq: 27 Sep 2022 16:08

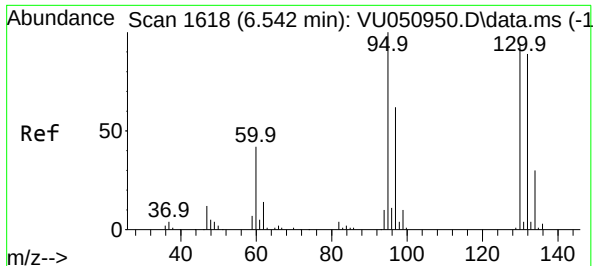
Tgt Ion: 83 Resp: 1456

Ion Ratio Lower Upper

83 100

85 88.4 45.7 84.9#



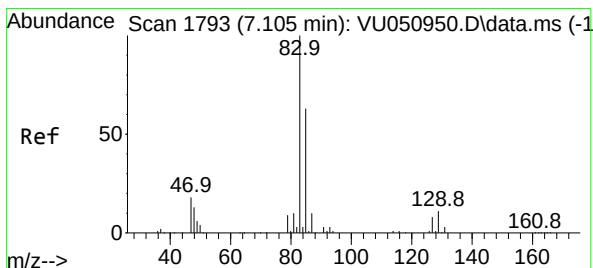
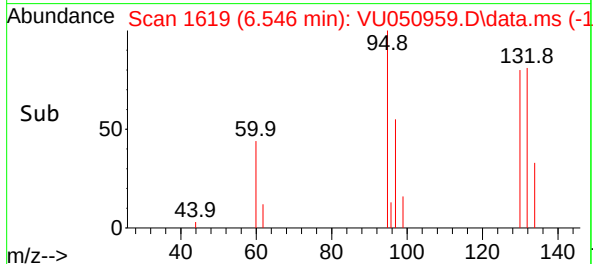
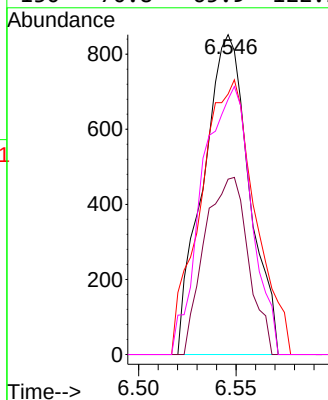
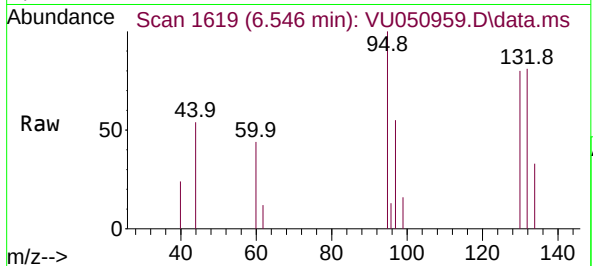


#34
Trichloroethene
Concen: 41.905 ug/L
RT: 6.546 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU050959.D
Acq: 27 Sep 2022 16:08

Instrument :
MSVOA_U
ClientSampleId :
F5J23

Tgt Ion: 95 Resp: 1401

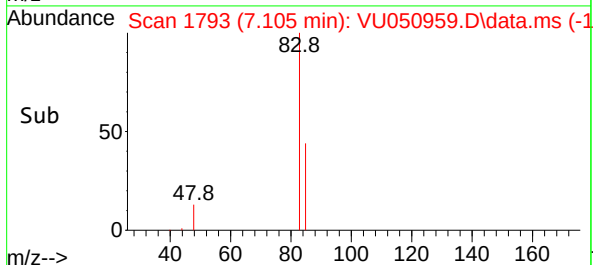
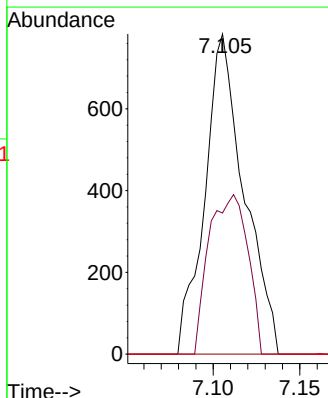
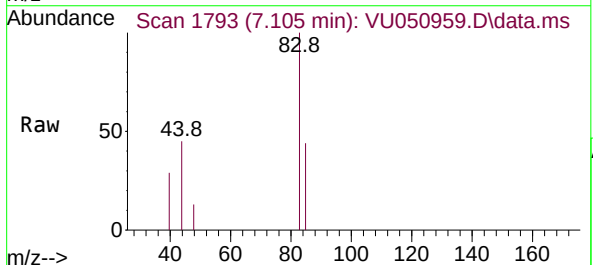
Ion	Ratio	Lower	Upper
95	100		
97	48.6	43.9	81.5
132	72.2	63.1	117.1
130	70.8	65.9	122.3

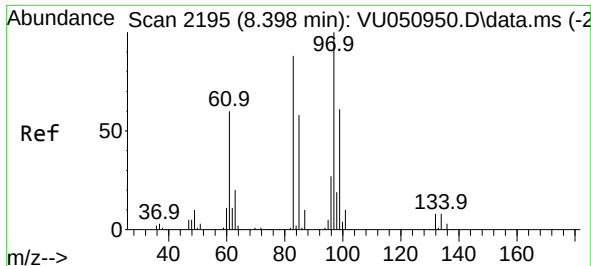


#38
Bromodichloromethane
Concen: 26.340 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VU050959.D
Acq: 27 Sep 2022 16:08

Tgt Ion: 83 Resp: 1236

Ion	Ratio	Lower	Upper
83	100		
85	44.1	44.3	82.3#
127	0.0	6.4	9.6#





#45

1,1,2-Trichloroethane

Concen: 50.530 ug/L

RT: 8.552 min Scan# 2195

Delta R.T. 0.154 min

Lab File: VU050959.D

Acq: 27 Sep 2022 16:08

Instrument :

MSVOA_U

ClientSampleId :

F5J23

Tgt Ion: 97 Resp: 1834

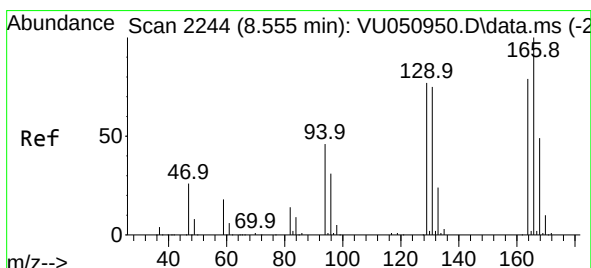
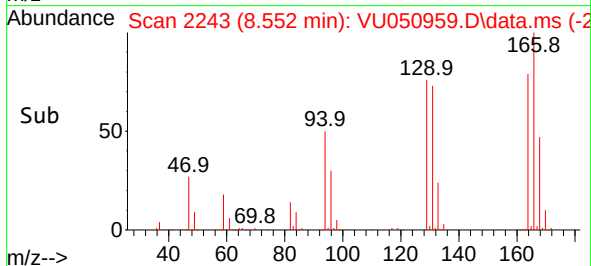
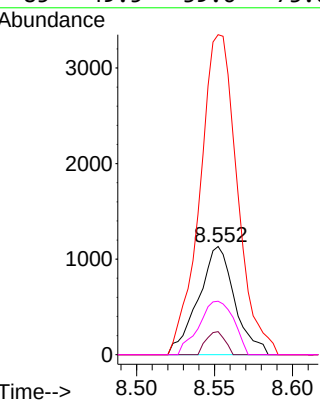
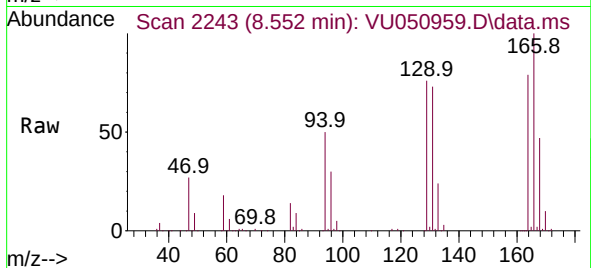
Ion Ratio Lower Upper

97 100

99 21.3 43.8 81.4#

83 295.8 62.6 116.3#

85 49.5 39.6 73.6



#46

Tetrachloroethene

Concen: 9430.577 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. 0.000 min

Lab File: VU050959.D

Acq: 27 Sep 2022 16:08

Tgt Ion:164 Resp: 226576

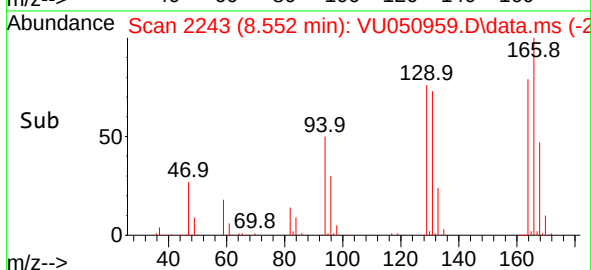
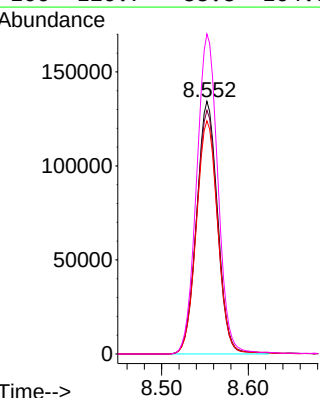
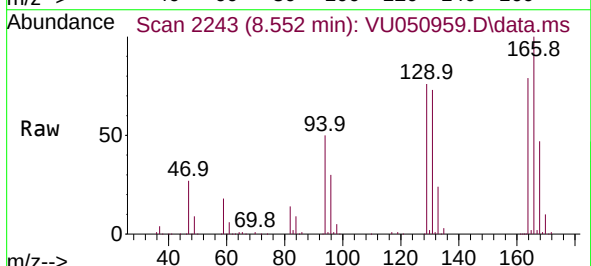
Ion Ratio Lower Upper

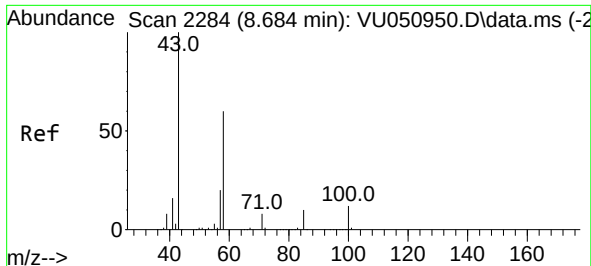
164 100

129 96.5 68.5 127.3

131 92.3 66.1 122.7

166 126.7 88.8 164.8

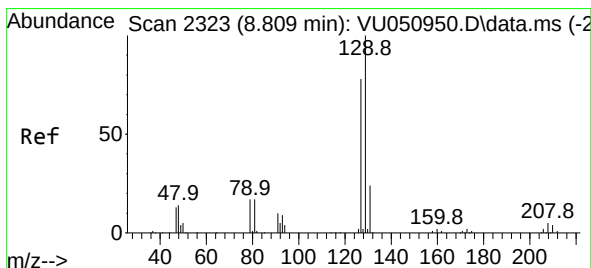
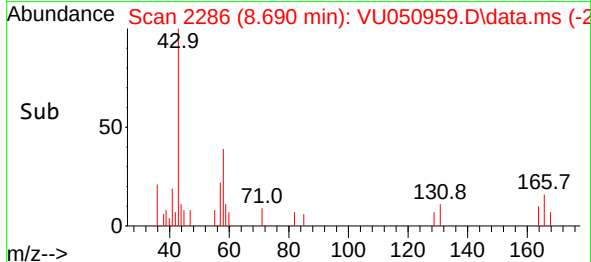
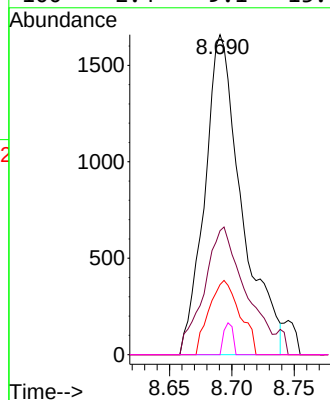
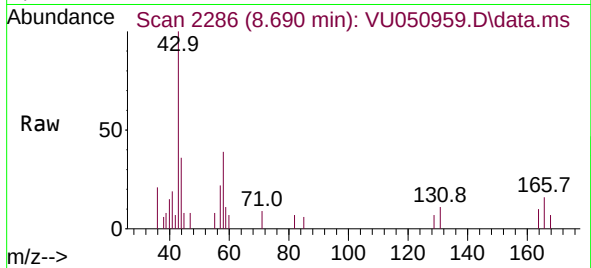




#48
2-Hexanone
Concen: 75.603 ug/L
RT: 8.690 min Scan# 21
Delta R.T. 0.010 min
Lab File: VU050959.D
Acq: 27 Sep 2022 16:08

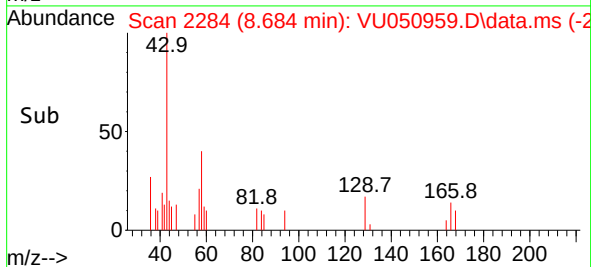
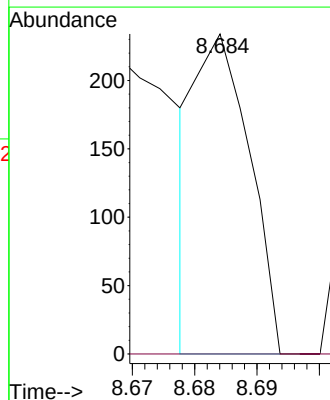
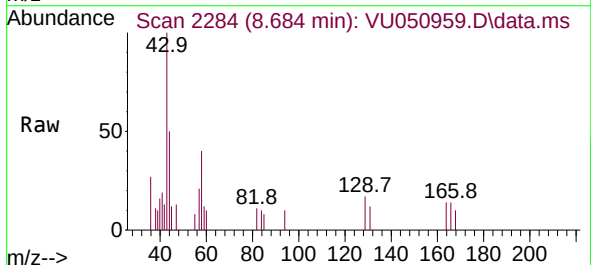
Instrument :
MSVOA_U
ClientSampleId :
F5J23

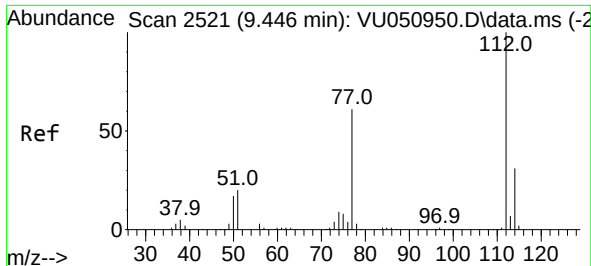
Tgt Ion: 43 Resp: 3429
Ion Ratio Lower Upper
43 100
58 44.1 47.2 70.8#
57 19.3 16.2 24.4
100 2.4 9.1 13.7#



#49
Dibromochloromethane
Concen: 3.990 ug/L
RT: 8.684 min Scan# 2284
Delta R.T. -0.125 min
Lab File: VU050959.D
Acq: 27 Sep 2022 16:08

Tgt Ion: 129 Resp: 142
Ion Ratio Lower Upper
129 100
127 0.0 54.5 101.1#

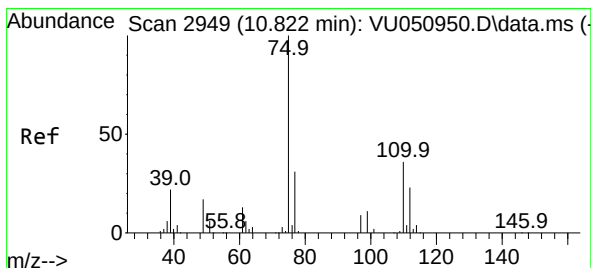
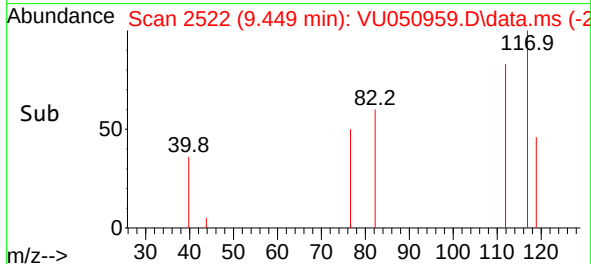
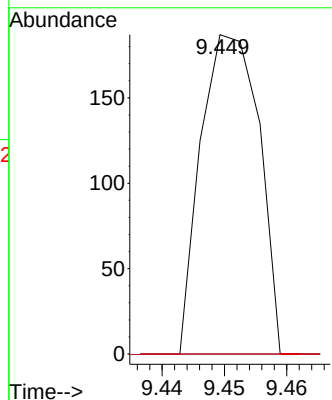
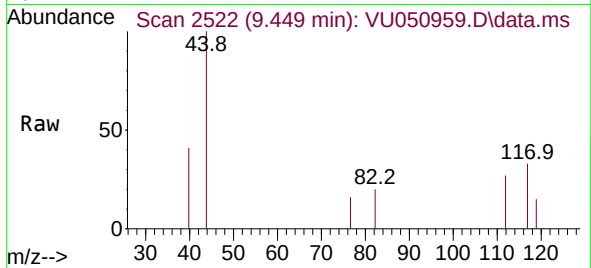




#51
Chlorobenzene
Concen: 1.399 ug/L
RT: 9.449 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU050959.D
Acq: 27 Sep 2022 16:08

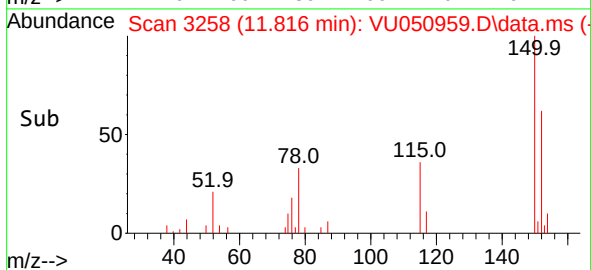
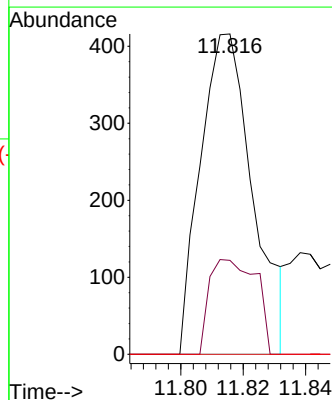
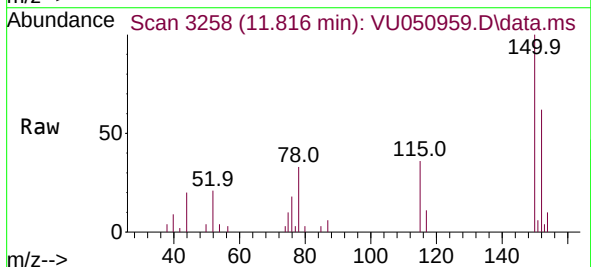
Instrument :
MSVOA_U
ClientSampleId :
F5J23

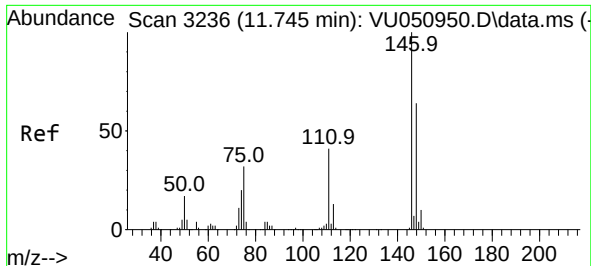
Tgt Ion:112 Resp: 122
Ion Ratio Lower Upper
112 100
114 0.0 22.3 41.3#
77 0.0 49.8 74.8#



#60
1,2,3-Trichloropropane
Concen: 3.899 ug/L
RT: 11.816 min Scan# 3258
Delta R.T. 0.994 min
Lab File: VU050959.D
Acq: 27 Sep 2022 16:08

Tgt Ion: 75 Resp: 486
Ion Ratio Lower Upper
75 100
77 22.2 26.2 39.4#
110 0.0 28.6 43.0#

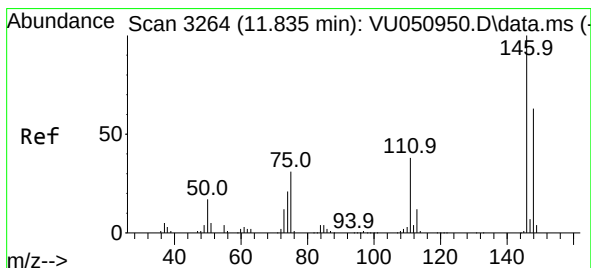
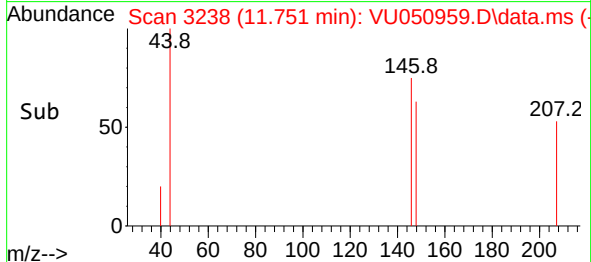
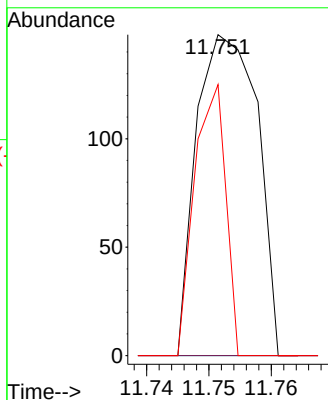
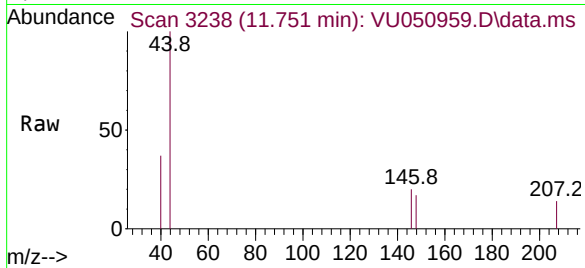




#64
1,3-Dichlorobenzene
Concen: 0.697 ug/L
RT: 11.751 min Scan# 31
Delta R.T. 0.007 min
Lab File: VU050959.D
Acq: 27 Sep 2022 16:08

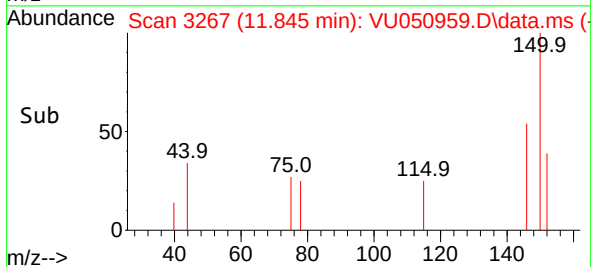
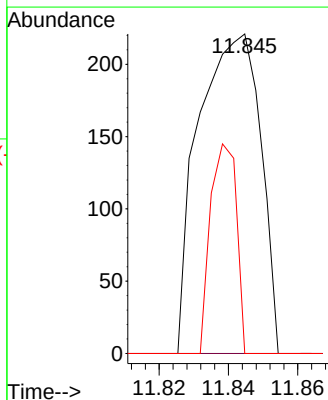
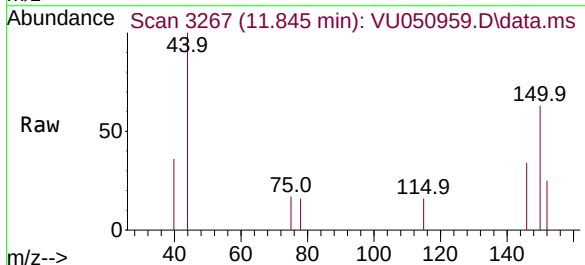
Instrument :
MSVOA_U
ClientSampleId :
F5J23

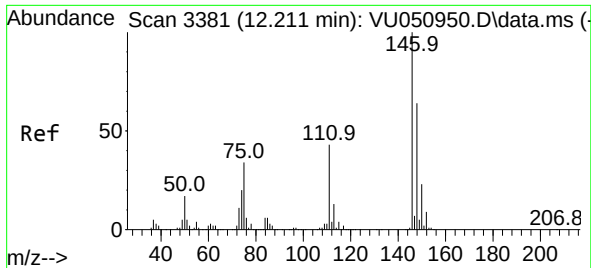
Tgt Ion:146 Resp: 101
Ion Ratio Lower Upper
146 100
111 0.0 27.9 51.7#
148 84.5 44.4 82.5#



#65
1,4-Dichlorobenzene
Concen: 1.864 ug/L
RT: 11.845 min Scan# 3267
Delta R.T. 0.010 min
Lab File: VU050959.D
Acq: 27 Sep 2022 16:08

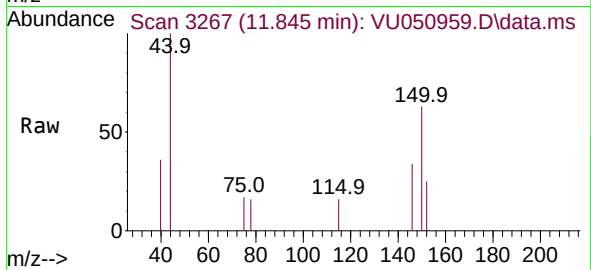
Tgt Ion:146 Resp: 274
Ion Ratio Lower Upper
146 100
111 0.0 27.5 51.1#
148 0.0 45.4 84.2#





#67
 1,2-Dichlorobenzene
 Concen: 1.787 ug/L
 RT: 11.845 min Scan# 31
 Delta R.T. -0.366 min
 Lab File: VU050959.D
 Acq: 27 Sep 2022 16:08

Instrument :
 MSVOA_U
 ClientSampleId :
 F5J23



Tgt Ion:	146	Resp:	274
Ion Ratio	Lower	Upper	
146	100		
111	0.0	35.2	52.8#
148	0.0	52.0	78.0#

