

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120922\
 Data File : VU052334.D
 Acq On : 10 Dec 2022 04:23
 Operator : JC/MD
 Sample : N5930-13
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 10 05:38:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 08 04:19:43 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	239768	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	249644	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	100966	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	91870	3.939	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.800%
7) Chloroethane-d5	1.916	69	80797	4.460	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.200%
11) 1,1-Dichloroethene-d2	2.568	65	36445	4.360	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.200%
20) 2-Butanone-d5	4.639	46	252638	59.761	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.520%
24) Chloroform-d	5.060	84	183175	5.345	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.000%
26) 1,2-Dichloroethane-d4	5.700	65	87420	5.051	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.000%
32) Benzene-d6	5.726	84	347673	4.691	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.800%
36) 1,2-Dichloropropane-d6	6.687	67	114175	4.978	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.600%
41) Toluene-d8	7.896	98	272645	4.066	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.400%
43) trans-1,3-Dichloroprop...	8.176	79	35485	4.245	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.000%
46) 2-Hexanone-d5	8.632	63	174328	49.215	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.440%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	102758	5.167	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.400%
66) 1,2-Dichlorobenzene-d4	12.189	152	100699	5.209	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.200%
Target Compounds						
5) Vinyl chloride	1.604	62	4231	0.162	ug/L #	69
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	1010	0.058	ug/L #	20
13) Acetone	2.665	43	35240	12.276	ug/L	95
16) Methylene chloride	3.047	84	118817	5.049	ug/L	96
19) 1,1-Dichloroethane	3.874	63	11216	0.334	ug/L	91
22) cis-1,2-Dichloroethene	4.665	96	25614	1.309	ug/L	98
25) Chloroform	5.086	83	358212	10.520	ug/L	96
29) 1,1,1-Trichloroethane	5.311	97	1789	0.065	ug/L #	37
34) Trichloroethene	6.543	95	10738	0.530	ug/L	97
35) Methylcyclohexane	6.687	83	25826	0.886	ug/L #	20
37) 1,2-Dichloropropane	6.690	63	11143	0.530	ug/L #	88
38) Bromodichloromethane	7.105	83	8085	0.315	ug/L #	97
42) Toluene	7.967	91	16716	0.200	ug/L	93
49) Dibromochloromethane	8.803	129	1304	0.074	ug/L	86
53) m,p-Xylene	9.690	106	3347	0.106	ug/L	95
61) 1,2,3-Trichloropropane	11.809	75	12135	1.050	ug/L #	68
71) Naphthalene	14.086	128	8062	0.246	ug/L #	96

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Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Dec 10 05:38:28 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Dec 08 04:19:43 2022
Response via : Initial Calibration

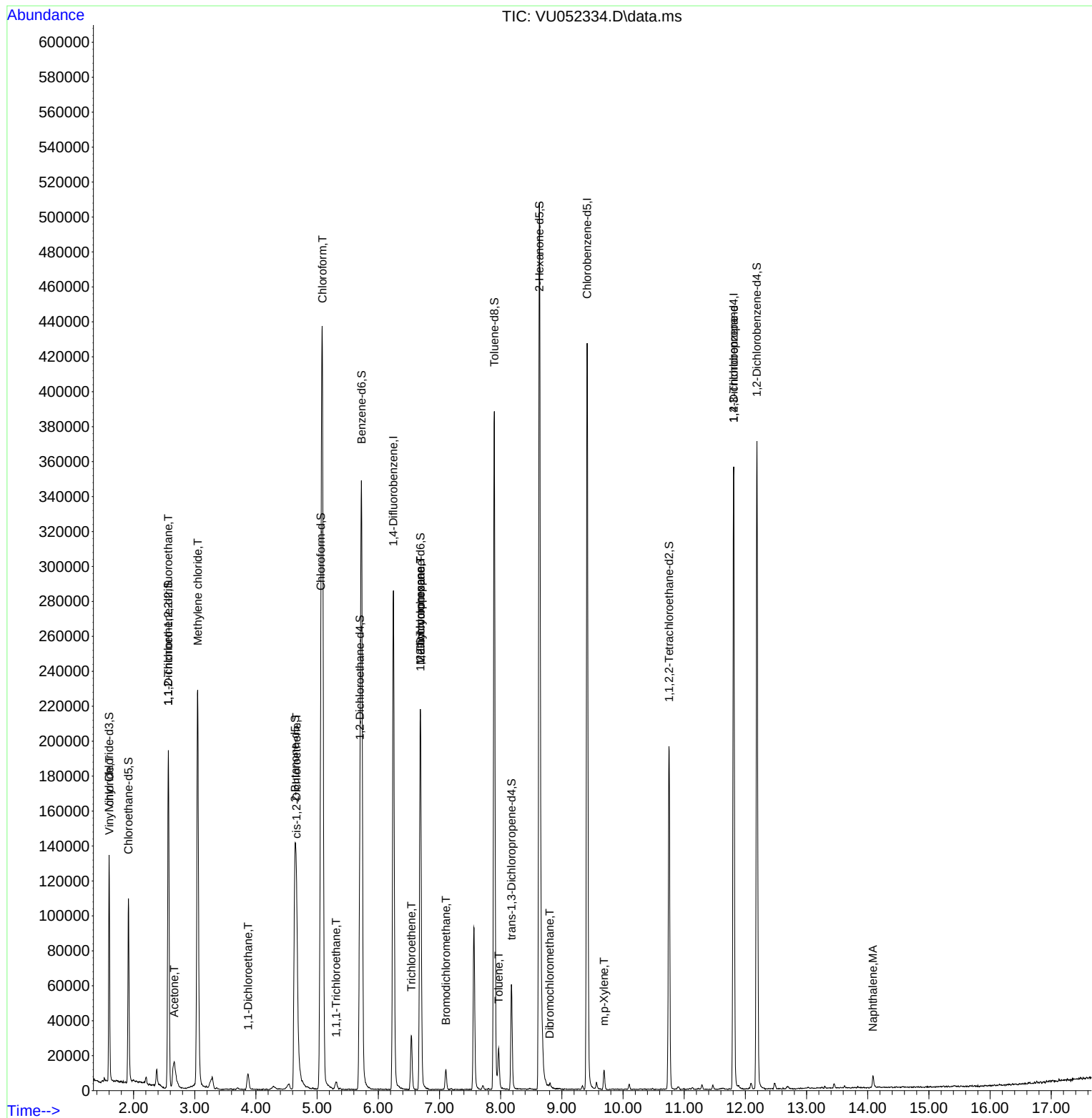
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

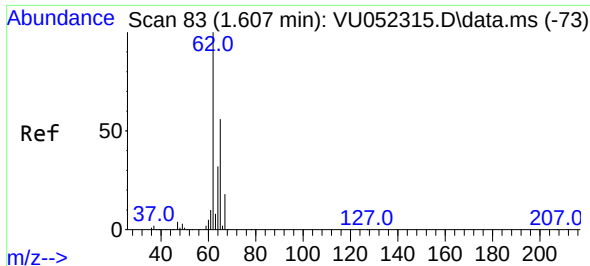
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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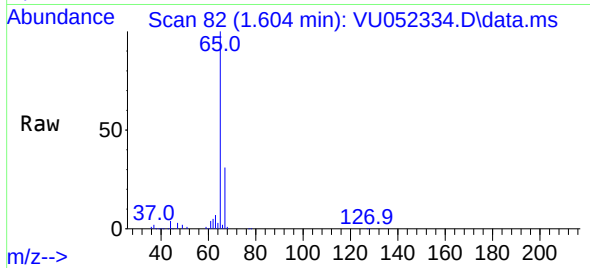
Quant Time: Dec 10 05:38:28 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
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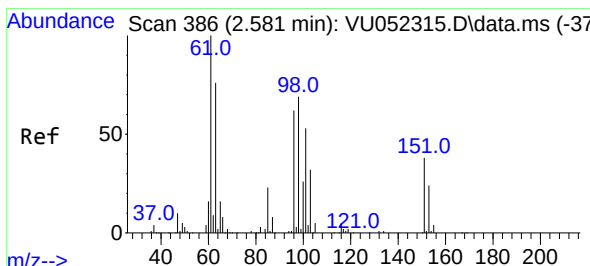
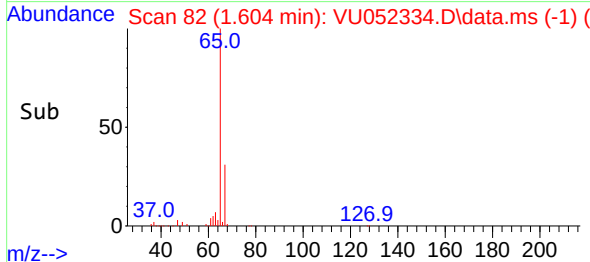
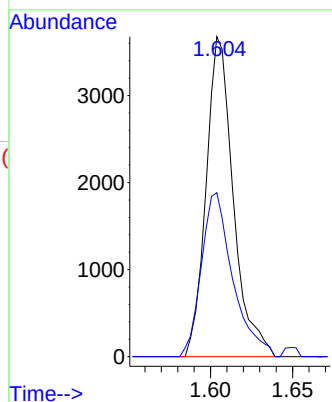


#5
 Vinyl chloride
 Concen: 0.162 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU052334.D
 Acq: 10 Dec 2022 04:23

Instrument :
 MSVOA_U
 ClientSampleId :

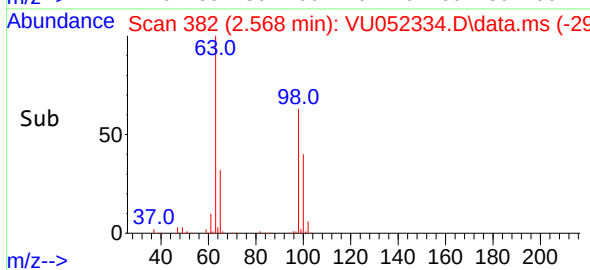
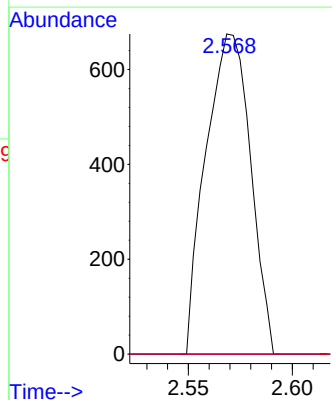
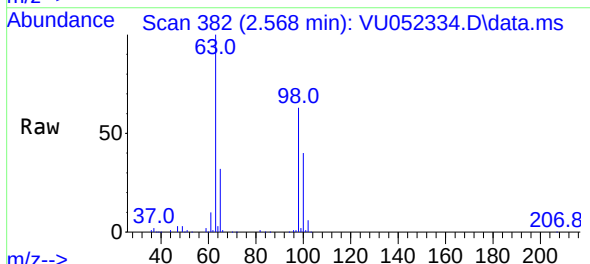


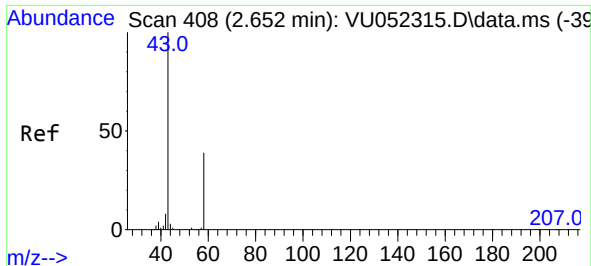
Tgt Ion: 62 Resp: 4231
 Ion Ratio Lower Upper
 62 100
 64 51.3 23.5 43.7#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.058 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.013 min
 Lab File: VU052334.D
 Acq: 10 Dec 2022 04:23

Tgt Ion: 101 Resp: 1010
 Ion Ratio Lower Upper
 101 100
 85 0.0 33.8 50.6#
 151 0.0 58.6 88.0#

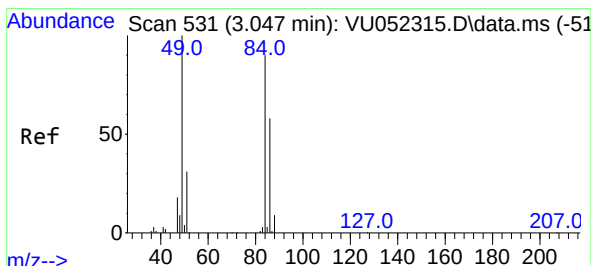
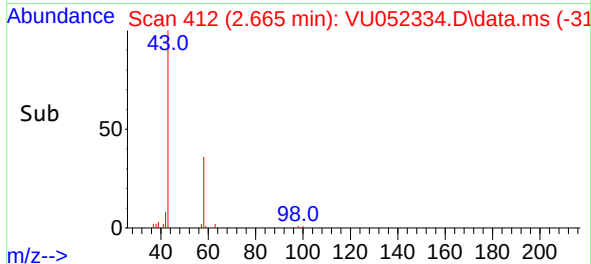
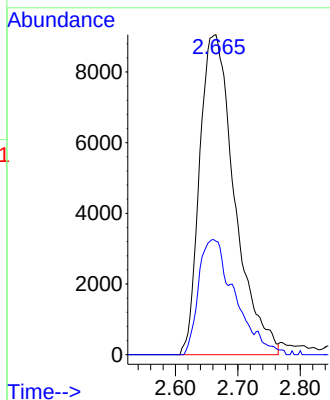
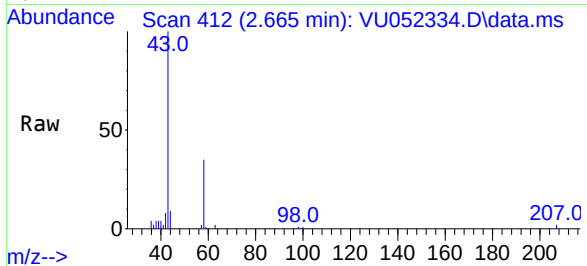




#13
Acetone
Concen: 12.276 ug/L
RT: 2.665 min Scan# 411
Delta R.T. 0.019 min
Lab File: VU052334.D
Acq: 10 Dec 2022 04:23

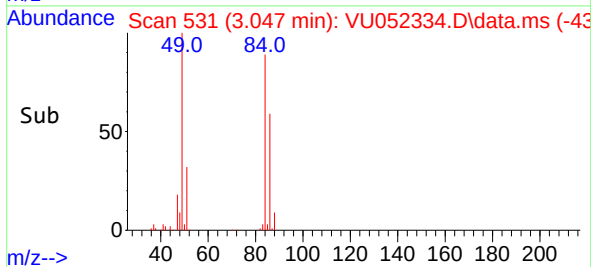
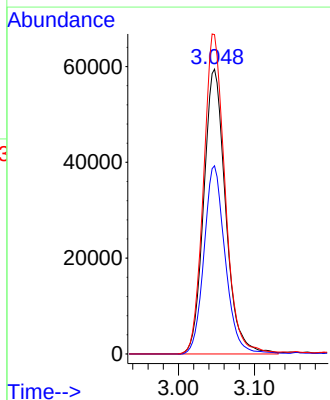
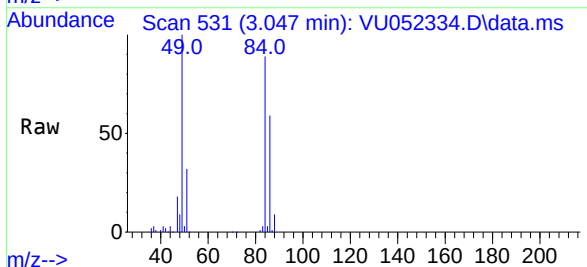
Instrument :
MSVOA_U
ClientSampleId :

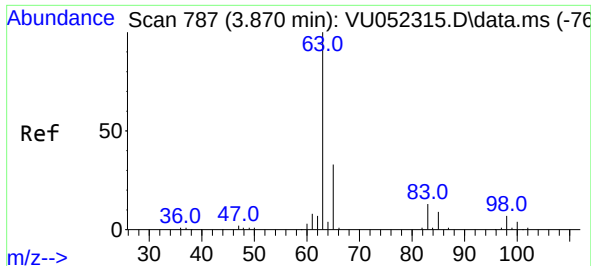
Tgt Ion: 43 Resp: 35240
Ion Ratio Lower Upper
43 100
58 35.2 0.0 76.0



#16
Methylene chloride
Concen: 5.049 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU052334.D
Acq: 10 Dec 2022 04:23

Tgt Ion: 84 Resp: 118817
Ion Ratio Lower Upper
84 100
86 66.0 43.8 81.4
49 112.1 75.9 141.1





#19

1,1-Dichloroethane

Concen: 0.334 ug/L

RT: 3.874 min Scan# 71

Delta R.T. 0.006 min

Lab File: VU052334.D

Acq: 10 Dec 2022 04:23

Instrument :

MSVOA_U

ClientSampleId :

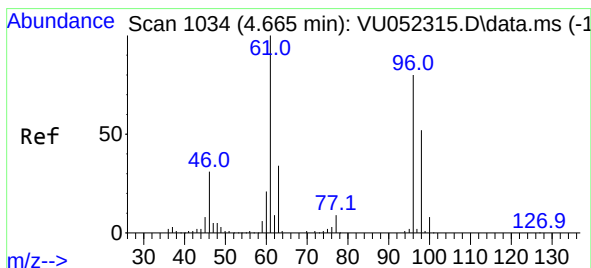
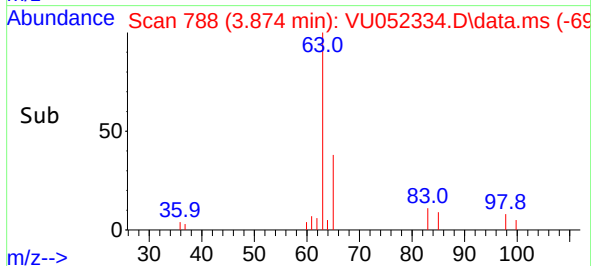
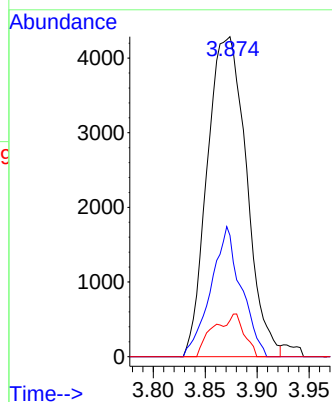
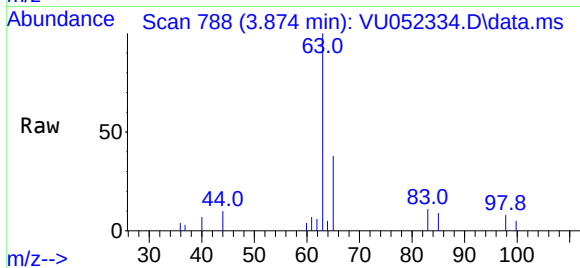
Tgt Ion: 63 Resp: 11216

Ion Ratio Lower Upper

63 100

65 37.9 22.2 41.2

83 11.3 9.2 17.0



#22

cis-1,2-Dichloroethene

Concen: 1.309 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU052334.D

Acq: 10 Dec 2022 04:23

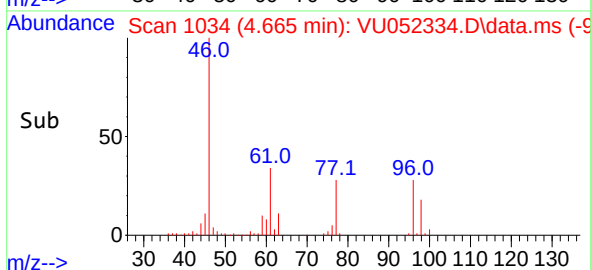
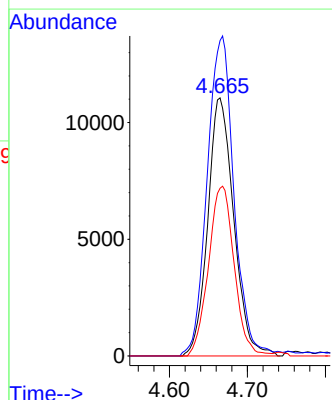
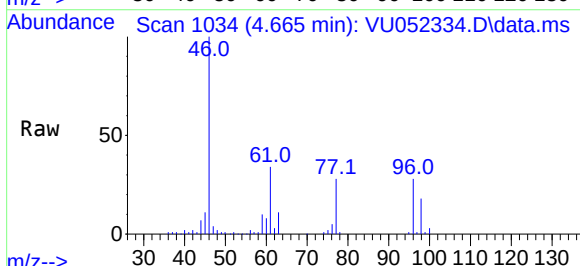
Tgt Ion: 96 Resp: 25614

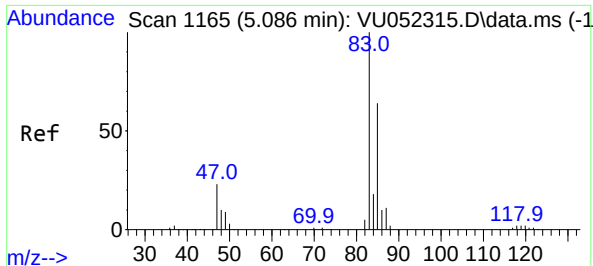
Ion Ratio Lower Upper

96 100

61 122.2 85.1 158.1

98 65.0 42.8 79.6





#25

Chloroform

Concen: 10.520 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU052334.D

Acq: 10 Dec 2022 04:23

Instrument :

MSVOA_U

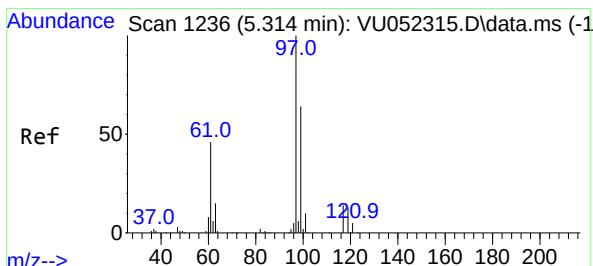
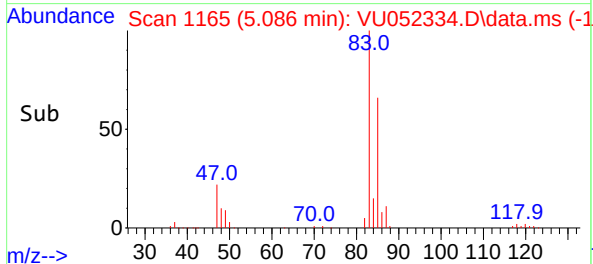
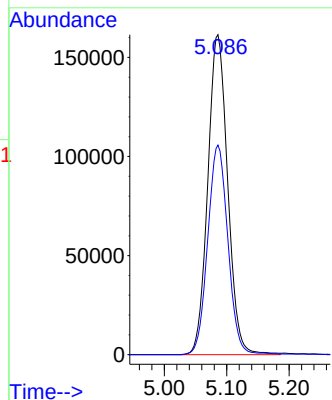
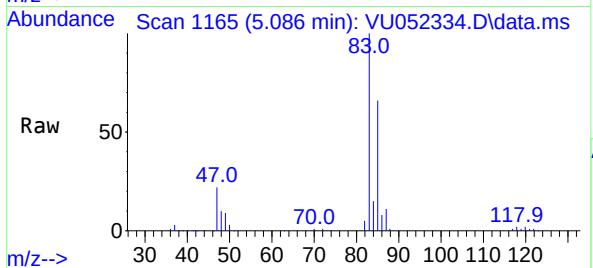
ClientSampleId :

Tgt Ion: 83 Resp: 358212

Ion Ratio Lower Upper

83 100

85 65.5 43.8 81.4



#29

1,1,1-Trichloroethane

Concen: 0.065 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.003 min

Lab File: VU052334.D

Acq: 10 Dec 2022 04:23

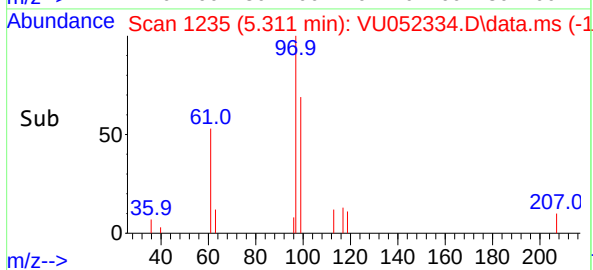
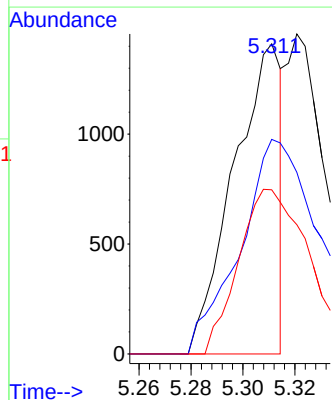
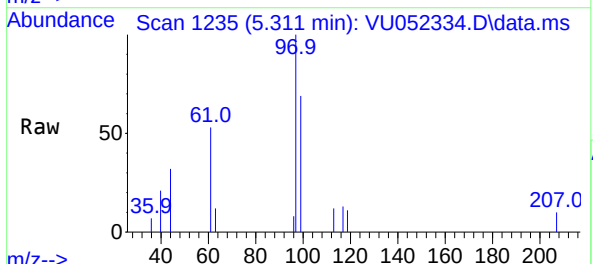
Tgt Ion: 97 Resp: 1789

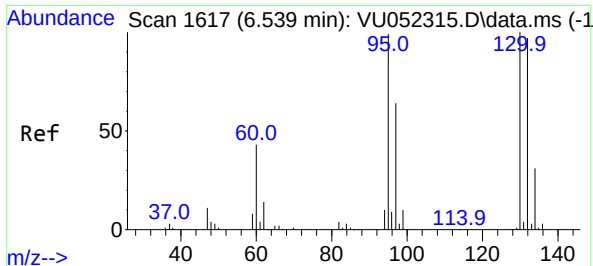
Ion Ratio Lower Upper

97 100

99 116.9 51.0 76.6#

61 83.4 36.9 55.3#

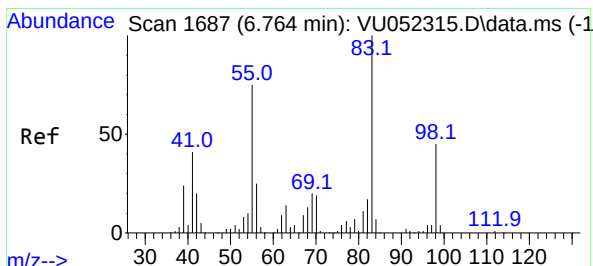
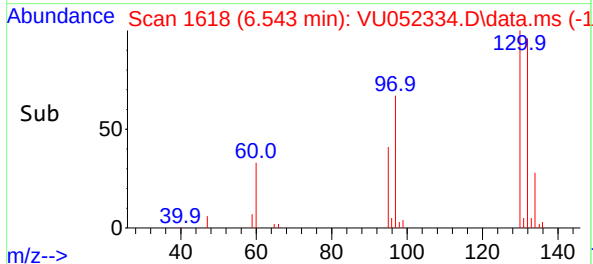
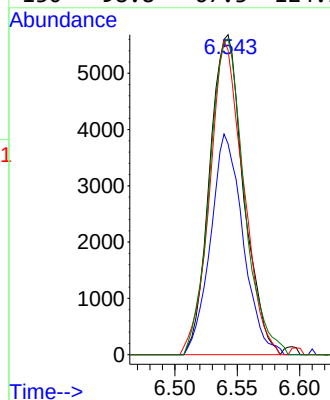
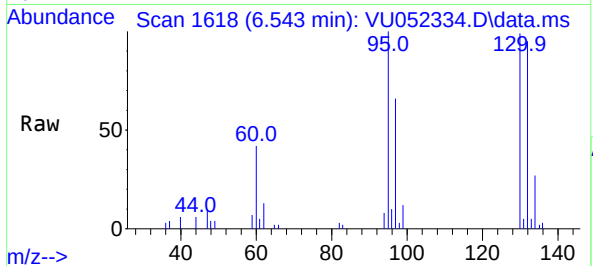




#34
Trichloroethene
Concen: 0.530 ug/L
RT: 6.543 min Scan# 1663
Delta R.T. 0.000 min
Lab File: VU052334.D
Acq: 10 Dec 2022 04:23

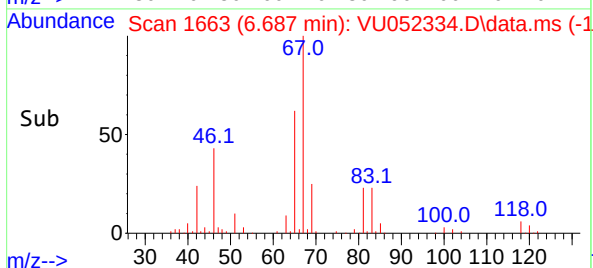
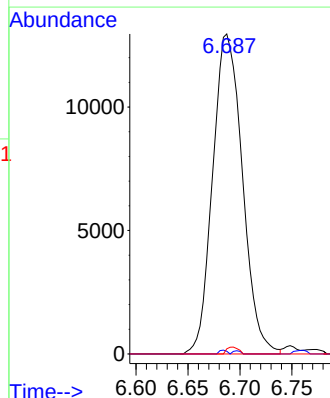
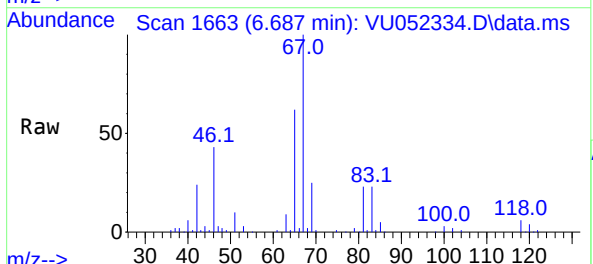
Instrument :
MSVOA_U
ClientSampleId :

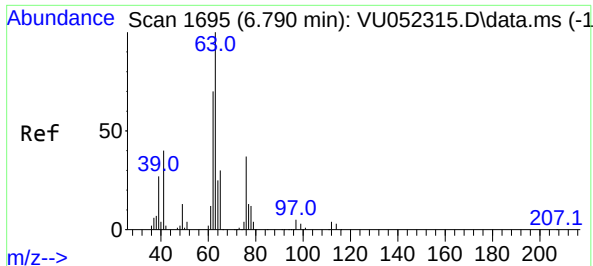
Tgt Ion: 95 Resp: 10738
Ion Ratio Lower Upper
95 100
97 65.9 43.7 81.1
132 95.2 64.3 119.3
130 98.8 67.3 124.9



#35
Methylcyclohexane
Concen: 0.886 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.074 min
Lab File: VU052334.D
Acq: 10 Dec 2022 04:23

Tgt Ion: 83 Resp: 25826
Ion Ratio Lower Upper
83 100
55 0.3 60.8 91.2#
98 1.2 35.1 52.7#

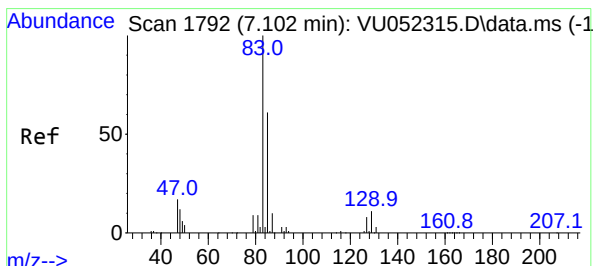
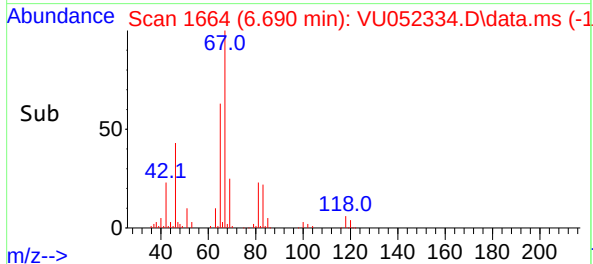
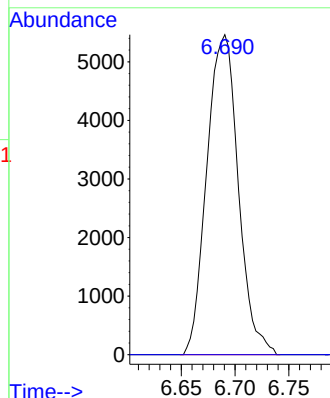
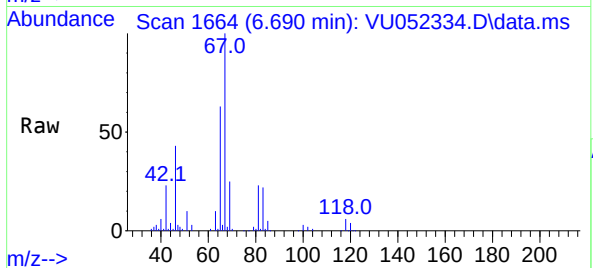




#37
1,2-Dichloropropane
Concen: 0.530 ug/L
RT: 6.690 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU052334.D
Acq: 10 Dec 2022 04:23

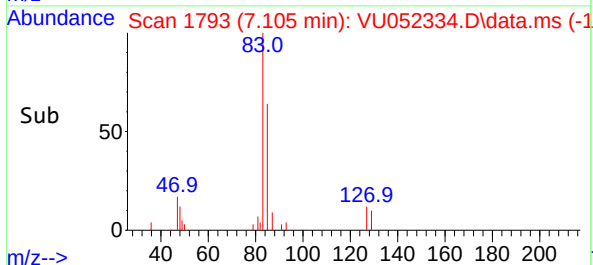
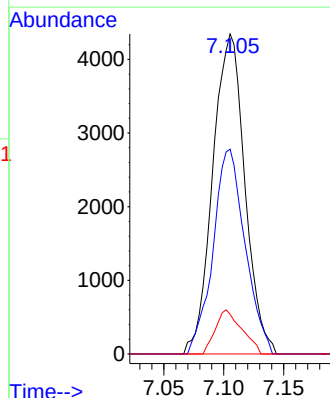
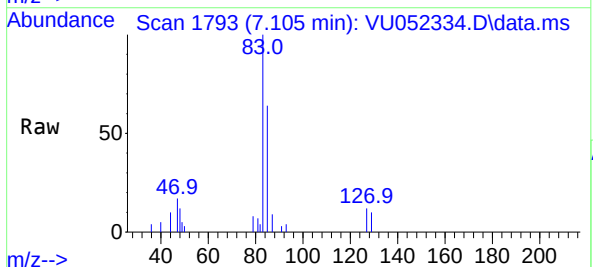
Instrument :
MSVOA_U
ClientSampleId :

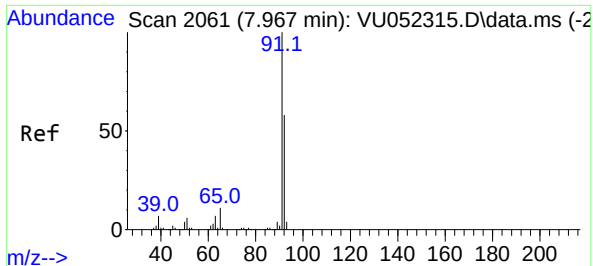
Tgt Ion: 63 Resp: 11143
Ion Ratio Lower Upper
63 100
112 0.2 3.3 4.9#



#38
Bromodichloromethane
Concen: 0.315 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. 0.003 min
Lab File: VU052334.D
Acq: 10 Dec 2022 04:23

Tgt Ion: 83 Resp: 8085
Ion Ratio Lower Upper
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85 64.0 43.5 80.9
127 12.4 6.8 10.2#

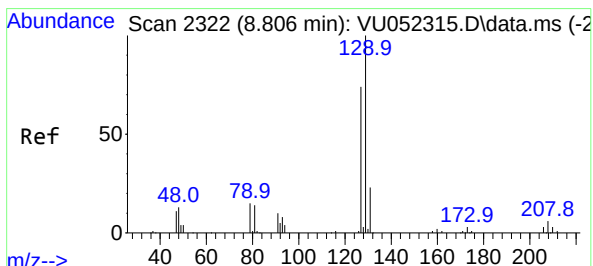
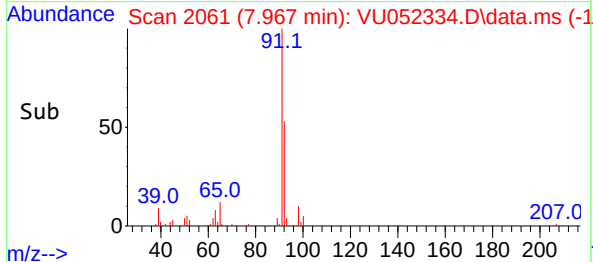
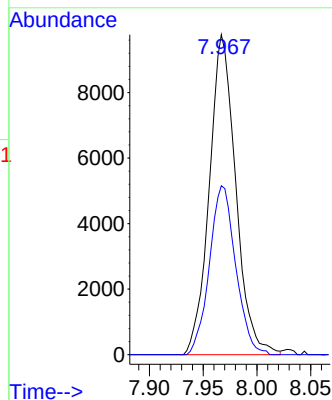
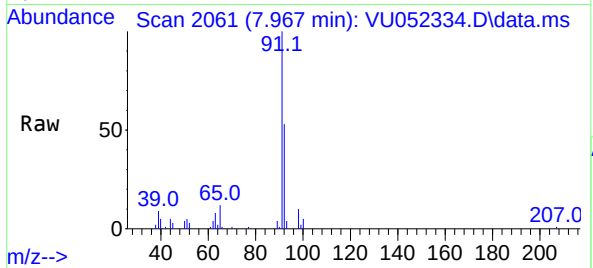




#42
Toluene
Concen: 0.200 ug/L
RT: 7.967 min Scan# 2061
Delta R.T. 0.000 min
Lab File: VU052334.D
Acq: 10 Dec 2022 04:23

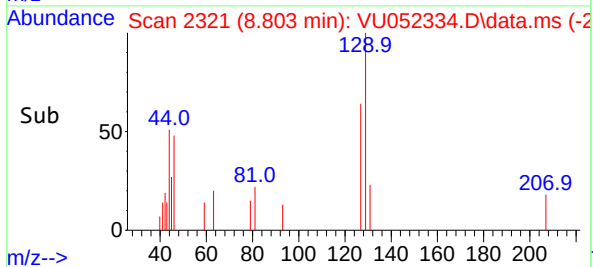
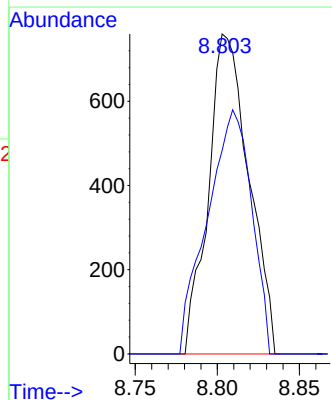
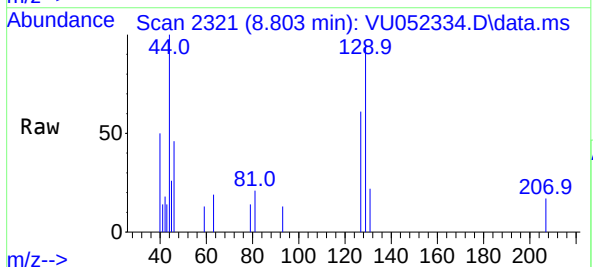
Instrument :
MSVOA_U
ClientSampleId :

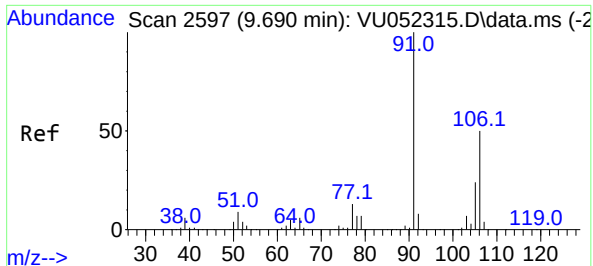
Tgt Ion: 91 Resp: 16716
Ion Ratio Lower Upper
91 100
92 52.8 40.7 75.5



#49
Dibromochloromethane
Concen: 0.074 ug/L
RT: 8.803 min Scan# 2321
Delta R.T. -0.003 min
Lab File: VU052334.D
Acq: 10 Dec 2022 04:23

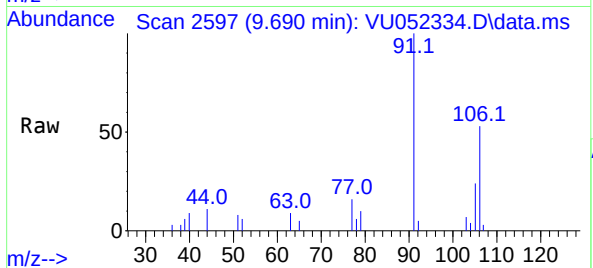
Tgt Ion: 129 Resp: 1304
Ion Ratio Lower Upper
129 100
127 63.6 52.8 98.2



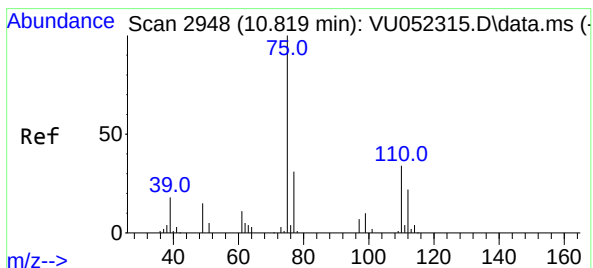
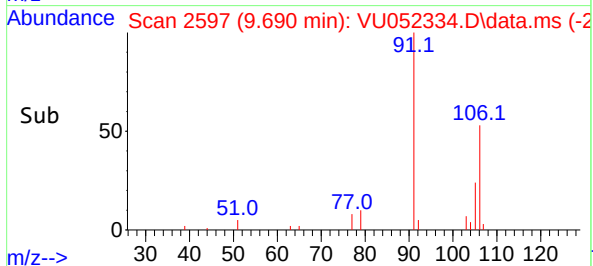
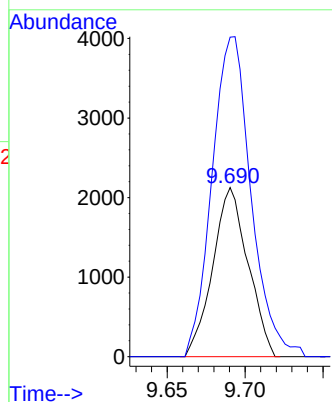


#53
 m,p-Xylene
 Concen: 0.106 ug/L
 RT: 9.690 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU052334.D
 Acq: 10 Dec 2022 04:23

Instrument :
 MSVOA_U
 ClientSampleId :

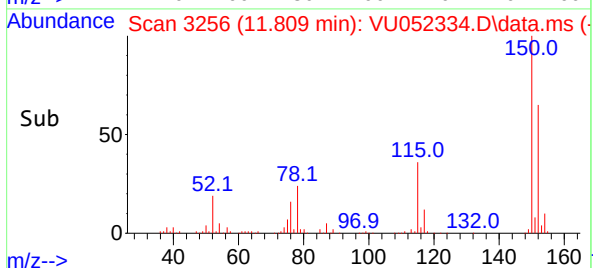
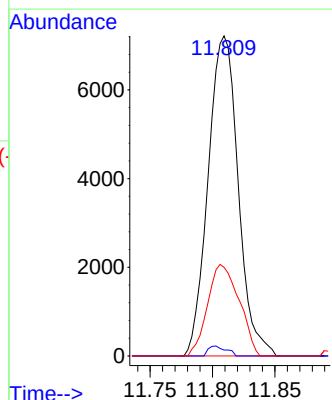
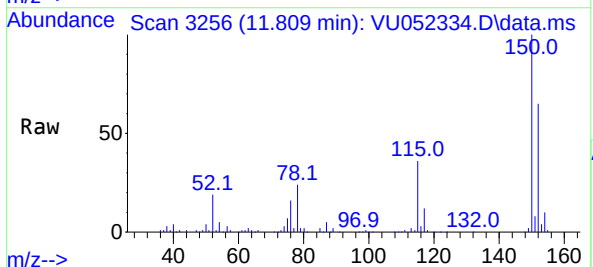


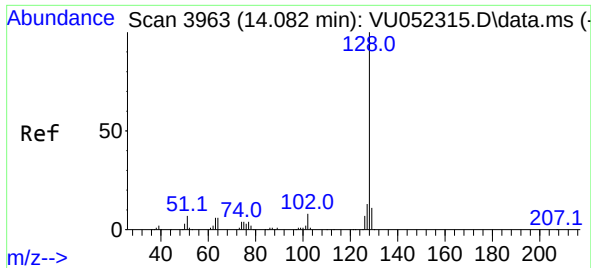
Tgt Ion:106 Resp: 3347
 Ion Ratio Lower Upper
 106 100
 91 188.9 137.7 255.7



#61
 1,2,3-Trichloropropane
 Concen: 1.050 ug/L
 RT: 11.809 min Scan# 3256
 Delta R.T. 0.990 min
 Lab File: VU052334.D
 Acq: 10 Dec 2022 04:23

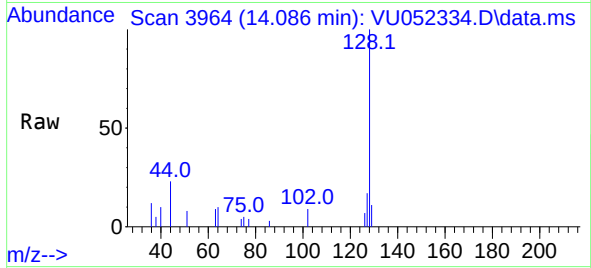
Tgt Ion: 75 Resp: 12135
 Ion Ratio Lower Upper
 75 100
 110 1.8 28.3 42.5#
 77 29.9 26.2 39.2





#71
Naphthalene
Concen: 0.246 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VU052334.D
Acq: 10 Dec 2022 04:23

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 8062
Ion Ratio Lower Upper
128 100
129 7.9 8.3 12.5#
127 13.2 10.2 15.4

