

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061722\
 Data File : VU049272.D
 Acq On : 18 Jun 2022 02:30
 Operator : SY/MD
 Sample : N3256-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 18 05:53:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jun 18 05:20:12 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	117626	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	110425	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	54241	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	38610	3.757	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	75.200%	
7) Chloroethane-d5	1.912	69	29693	4.267	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	85.400%	
11) 1,1-Dichloroethene-d2	2.565	65	14647	3.543	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	70.800%	
20) 2-Butanone-d5	4.636	46	156589	57.060	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	114.120%	
24) Chloroform-d	5.063	84	71924	4.460	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	89.200%	
26) 1,2-Dichloroethane-d4	5.703	65	41318	4.671	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	93.400%	
32) Benzene-d6	5.729	84	136190	4.094	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	81.800%	
36) 1,2-Dichloropropane-d6	6.690	67	49697	4.402	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	88.000%	
41) Toluene-d8	7.899	98	114124	3.810	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	76.200%	
43) trans-1,3-Dichloroprop...	8.179	79	16820	3.353	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	67.000%	
46) 2-Hexanone-d5	8.632	63	114482	56.579	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	113.160%	
56) 1,1,2,2-Tetrachloroeth...	10.754	84	44184	4.888	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	97.800%	
66) 1,2-Dichlorobenzene-d4	12.195	152	46627	4.480	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	89.600%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	1947	0.177	ug/L #	42
5) Vinyl chloride	1.604	62	841	0.085	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	363	0.053	ug/L #	21
12) 1,1-Dichloroethene	2.575	96	813	0.123	ug/L #	1
13) Acetone	2.649	43	8425	6.203	ug/L	91
17) Methyl tert-butyl Ether	3.362	73	2118	0.106	ug/L #	87
18) trans-1,2-Dichloroethene	3.359	96	1505	0.205	ug/L	92
22) cis-1,2-Dichloroethene	4.668	96	64380	7.855	ug/L	98
25) Chloroform	5.089	83	15380	1.060	ug/L	93
34) Trichloroethene	6.542	95	55081	6.558	ug/L	98
35) Methylcyclohexane	6.690	83	10812	0.768	ug/L #	19
38) Bromodichloromethane	7.105	83	14685	1.331	ug/L	95
39) cis-1,3-Dichloropropene	7.565	75	1270	0.093	ug/L #	55
40) 4-Methyl-2-pentanone	7.716	43	18625	2.777	ug/L #	45
42) Toluene	7.970	91	20550	0.590	ug/L	98
45) 1,1,2-Trichloroethane	8.549	97	1229	0.195	ug/L #	1
47) Tetrachloroethene	8.555	164	123641	21.347	ug/L	99
49) Dibromochloromethane	8.809	129	16235	2.261	ug/L	99
52) Ethylbenzene	9.571	91	4416	0.116	ug/L	90

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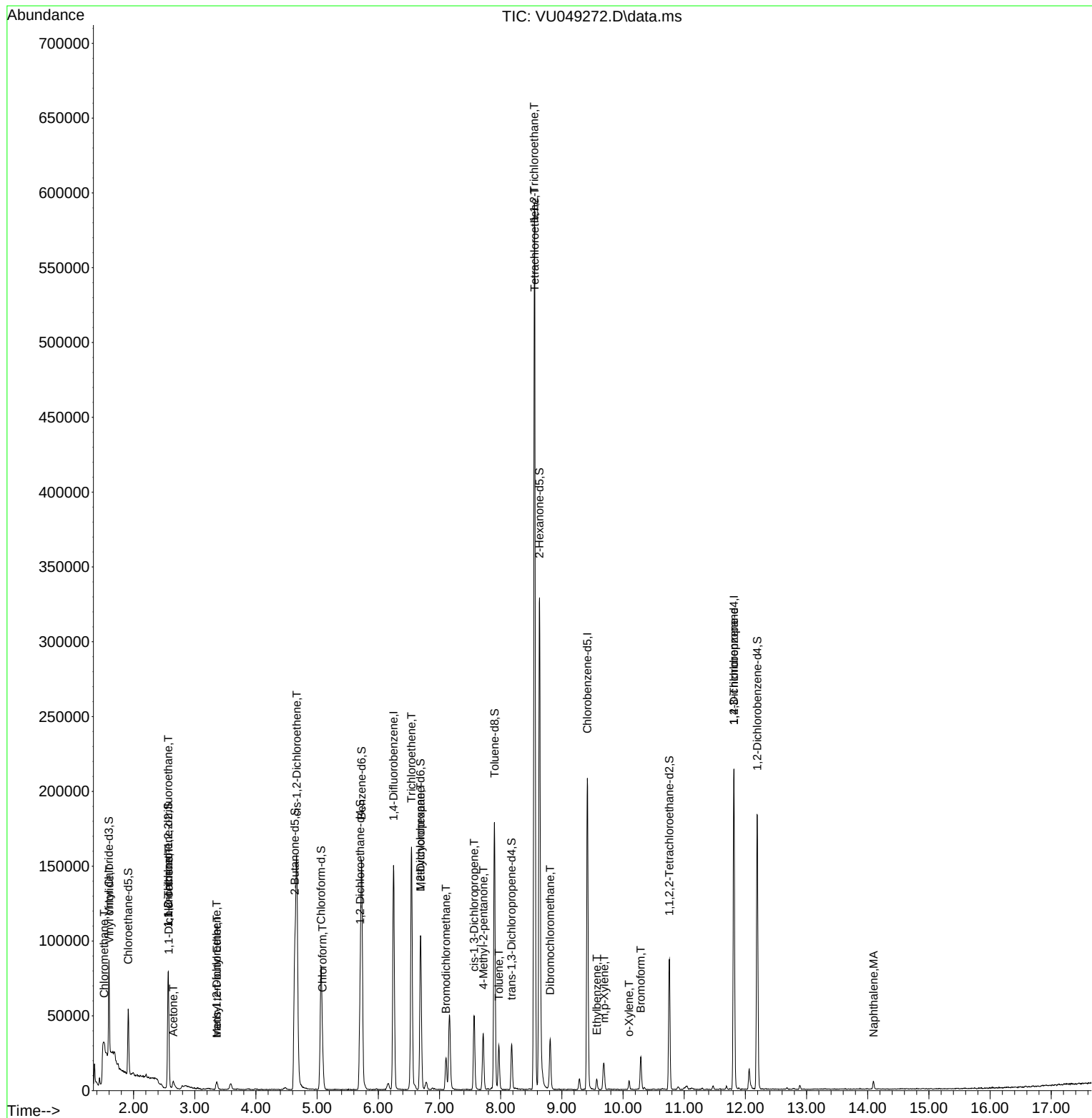
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.693	106	2556	0.181	ug/L	85
54) o-Xylene	10.098	106	1545	0.110	ug/L	89
59) Bromoform	10.288	173	9297	2.282	ug/L	97
61) 1,2,3-Trichloropropane	11.812	75	7277	1.196	ug/L #	68
71) Naphthalene	14.095	128	2493	0.133	ug/L #	95

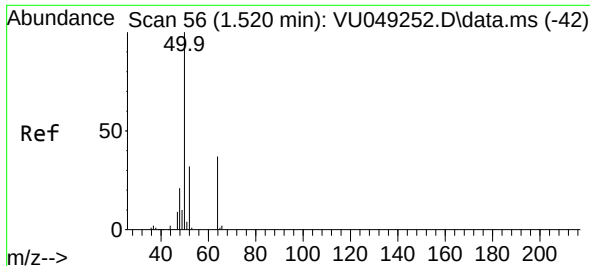
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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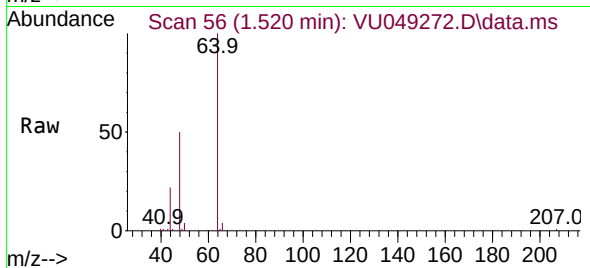
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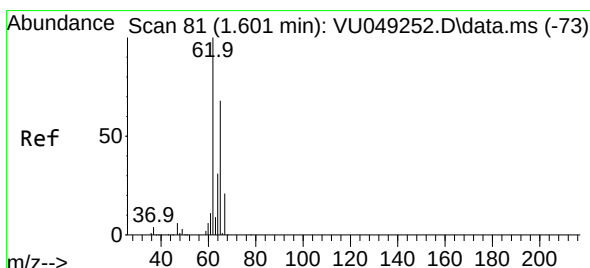
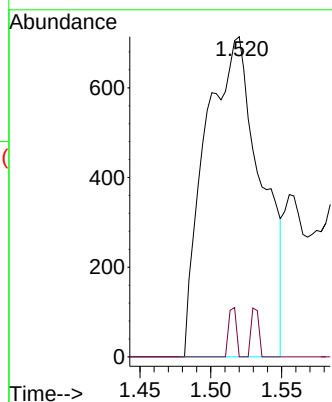
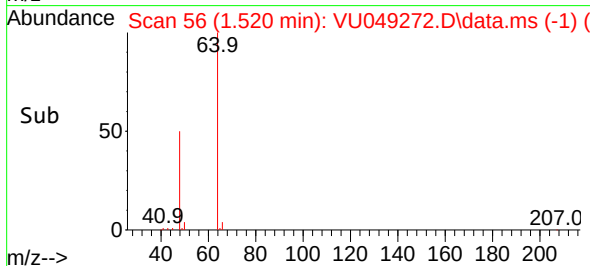


#3
Chloromethane
Concen: 0.177 ug/L
RT: 1.520 min Scan# 50
Delta R.T. -0.000 min
Lab File: VU049272.D
Acq: 18 Jun 2022 02:30

Instrument :
MSVOA_U
ClientSampleId :

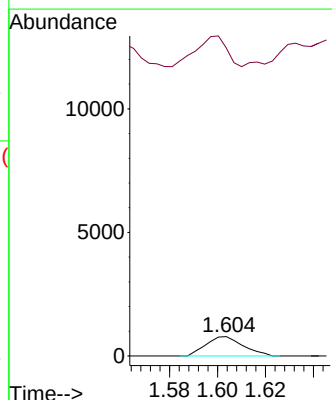
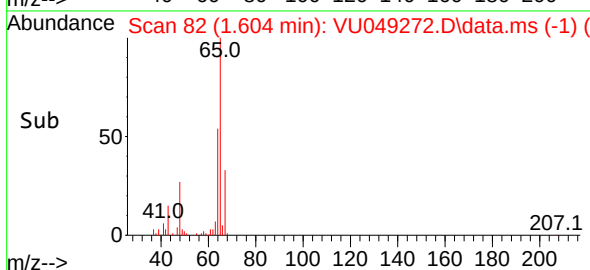
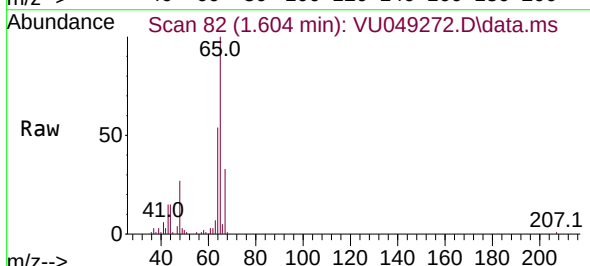


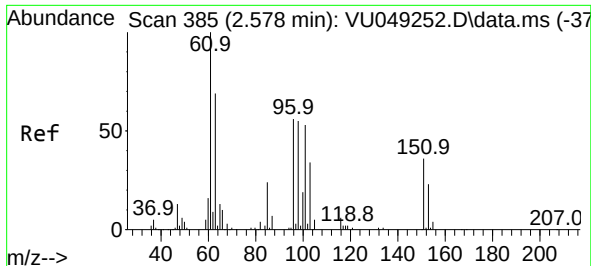
Tgt Ion: 50 Resp: 1947
Ion Ratio Lower Upper
50 100
52 0.0 22.7 42.1#



#5
Vinyl chloride
Concen: 0.085 ug/L
RT: 1.604 min Scan# 82
Delta R.T. 0.003 min
Lab File: VU049272.D
Acq: 18 Jun 2022 02:30

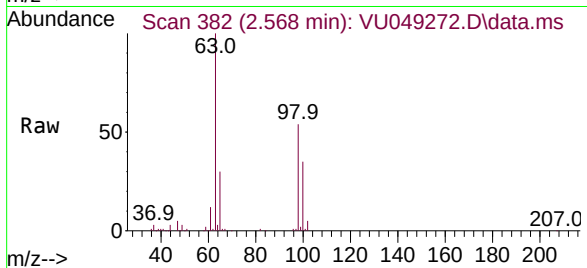
Tgt Ion: 62 Resp: 841
Ion Ratio Lower Upper
62 100
64 1592.3 22.8 42.4#



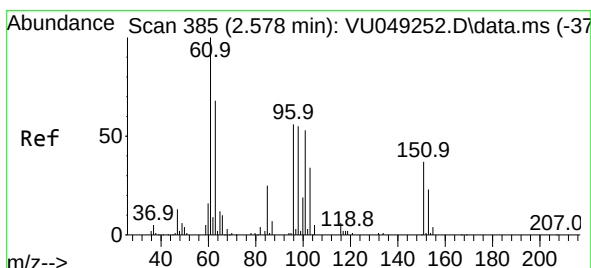
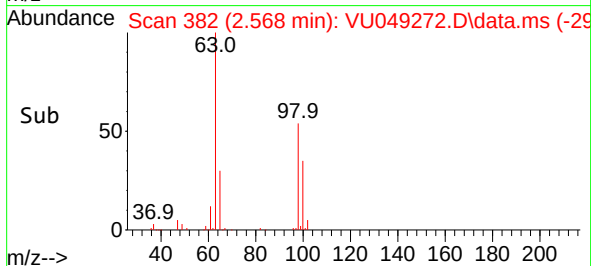
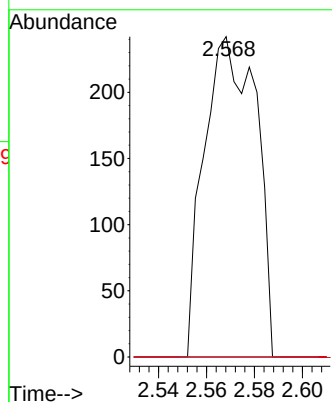


#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.053 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.010 min
 Lab File: VU049272.D
 Acq: 18 Jun 2022 02:30

Instrument :
 MSVOA_U
 ClientSampleId :

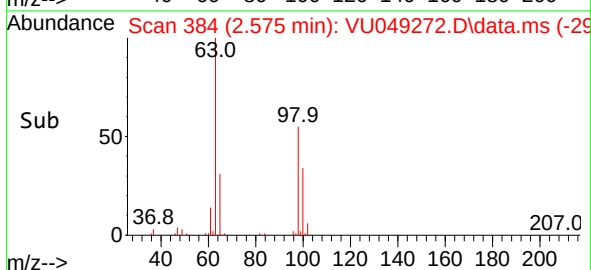
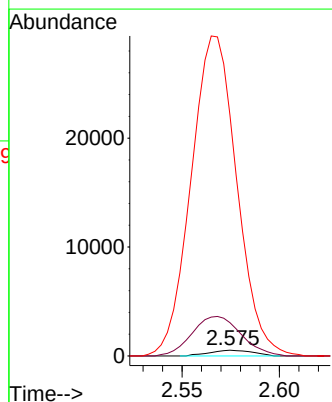
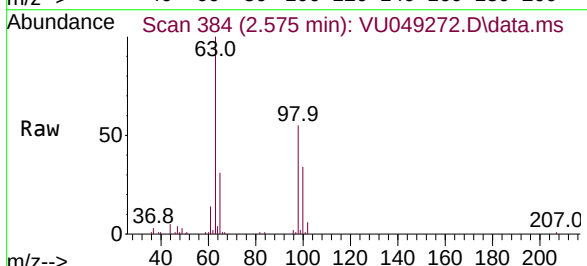


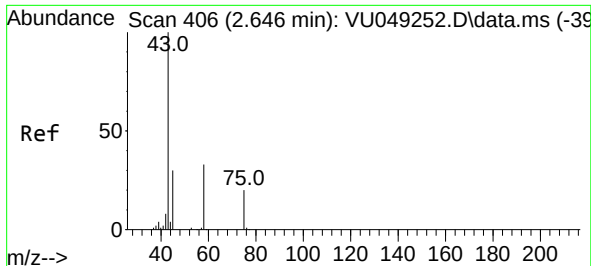
Tgt Ion: 101 Resp: 363
 Ion Ratio Lower Upper
 101 100
 85 0.0 36.1 54.1#
 151 0.0 56.8 85.2#



#12
 1,1-Dichloroethene
 Concen: 0.123 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU049272.D
 Acq: 18 Jun 2022 02:30

Tgt Ion: 96 Resp: 813
 Ion Ratio Lower Upper
 96 100
 61 578.8 127.2 236.2#
 63 4180.0 94.7 175.9#





#13

Acetone

Concen: 6.203 ug/L

RT: 2.649 min Scan# 406

Delta R.T. 0.003 min

Lab File: VU049272.D

Acq: 18 Jun 2022 02:30

Instrument :

MSVOA_U

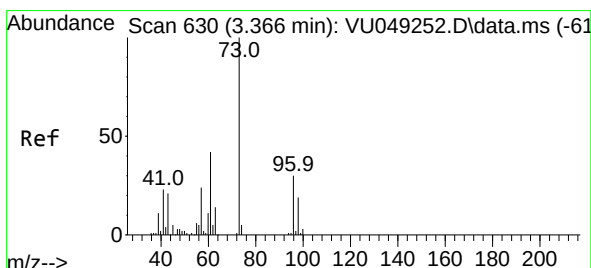
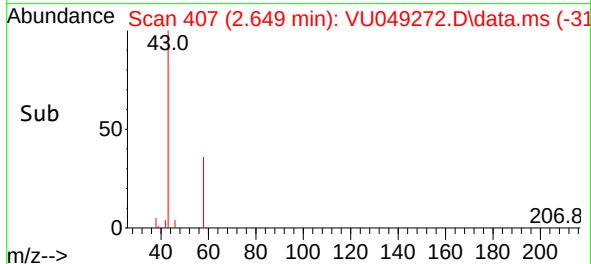
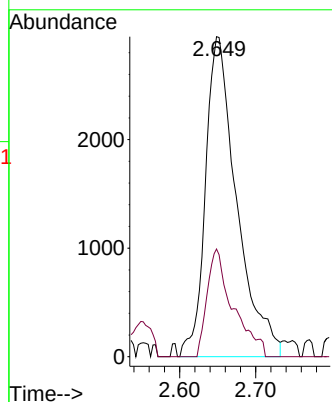
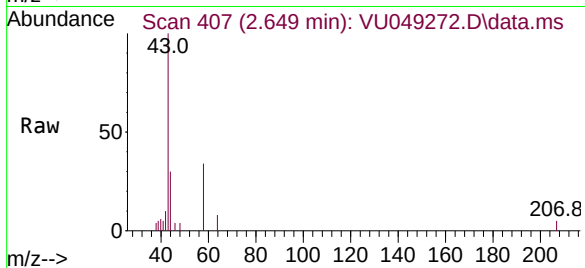
ClientSampleId :

Tgt Ion: 43 Resp: 8425

Ion Ratio Lower Upper

43 100

58 27.8 0.0 65.8



#17

Methyl tert-butyl Ether

Concen: 0.106 ug/L

RT: 3.362 min Scan# 629

Delta R.T. -0.003 min

Lab File: VU049272.D

Acq: 18 Jun 2022 02:30

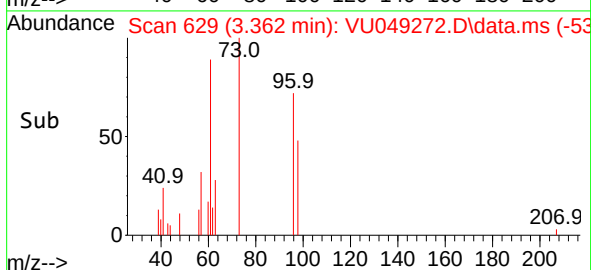
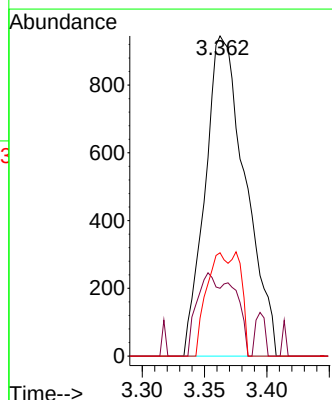
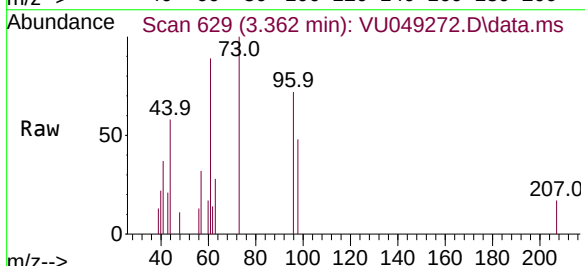
Tgt Ion: 73 Resp: 2118

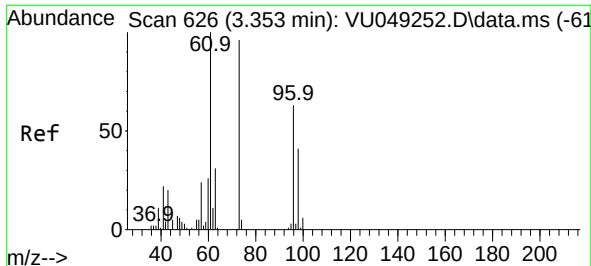
Ion Ratio Lower Upper

73 100

43 14.2 16.5 24.7#

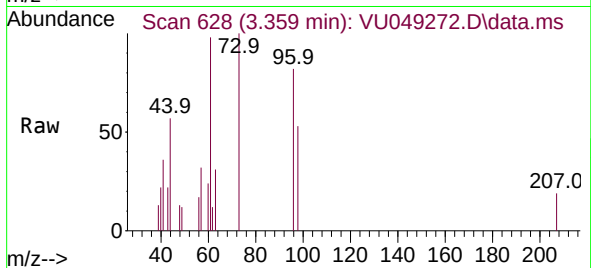
57 17.4 18.6 27.8#



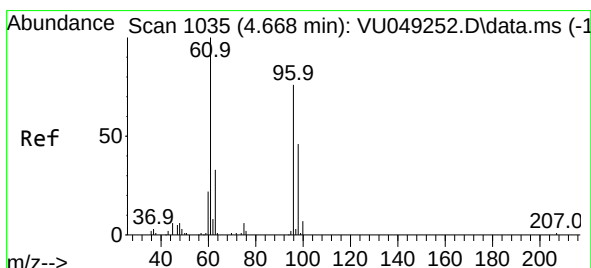
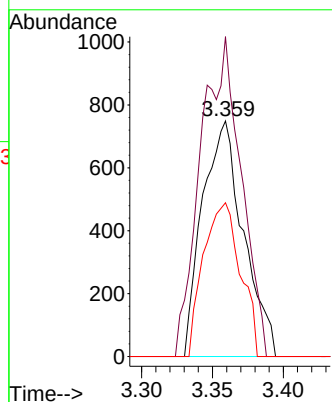
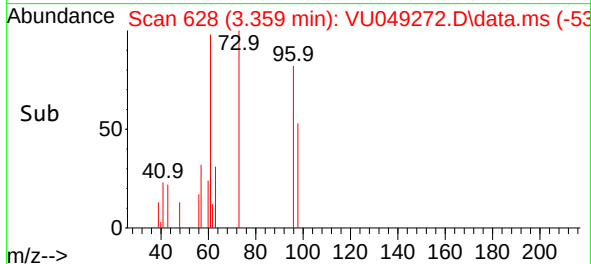


#18
trans-1,2-Dichloroethene
Concen: 0.205 ug/L
RT: 3.359 min Scan# 61
Delta R.T. 0.006 min
Lab File: VU049272.D
Acq: 18 Jun 2022 02:30

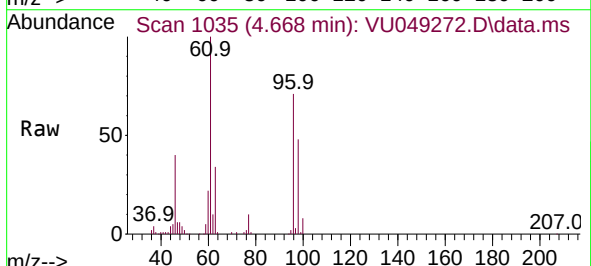
Instrument :
MSVOA_U
ClientSampleId :



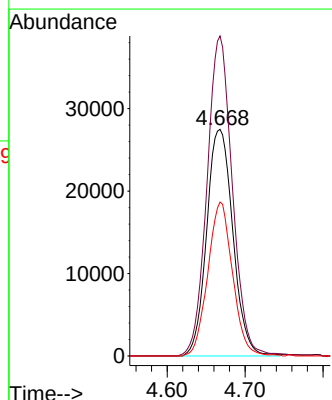
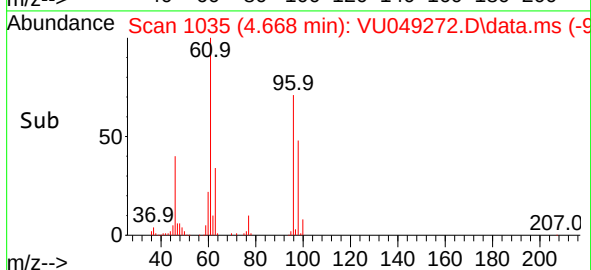
Tgt Ion: 96 Resp: 1505
Ion Ratio Lower Upper
96 100
61 135.8 103.3 191.9
98 65.3 44.0 81.8

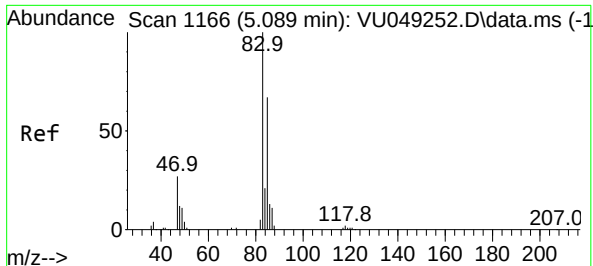


#22
cis-1,2-Dichloroethene
Concen: 7.855 ug/L
RT: 4.668 min Scan# 1035
Delta R.T. -0.000 min
Lab File: VU049272.D
Acq: 18 Jun 2022 02:30



Tgt Ion: 96 Resp: 64380
Ion Ratio Lower Upper
96 100
61 141.3 99.5 184.9
98 67.9 44.8 83.2





#25

Chloroform

Concen: 1.060 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. -0.000 min

Lab File: VU049272.D

Acq: 18 Jun 2022 02:30

Instrument :

MSVOA_U

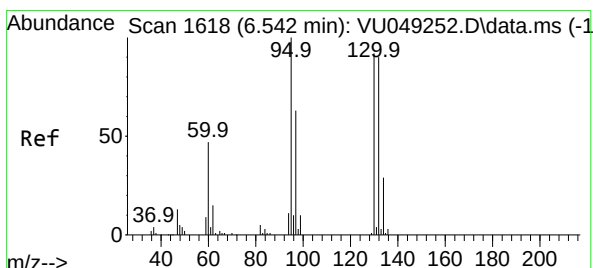
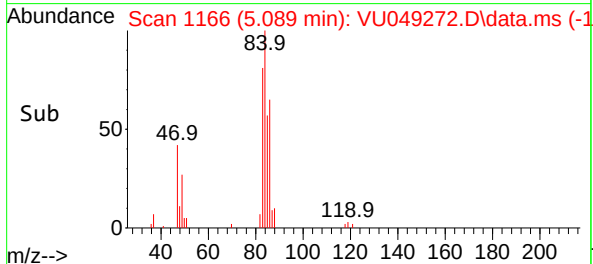
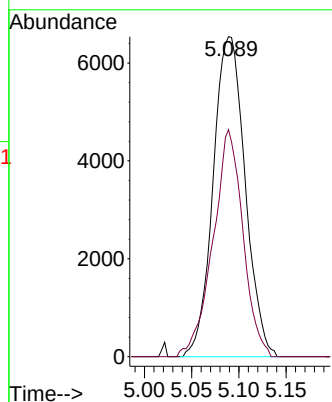
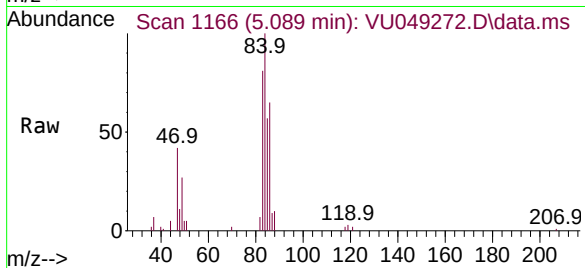
ClientSampleId :

Tgt Ion: 83 Resp: 15380

Ion Ratio Lower Upper

83 100

85 71.0 45.8 85.2



#34

Trichloroethene

Concen: 6.558 ug/L

RT: 6.542 min Scan# 1618

Delta R.T. -0.000 min

Lab File: VU049272.D

Acq: 18 Jun 2022 02:30

Tgt Ion: 95 Resp: 55081

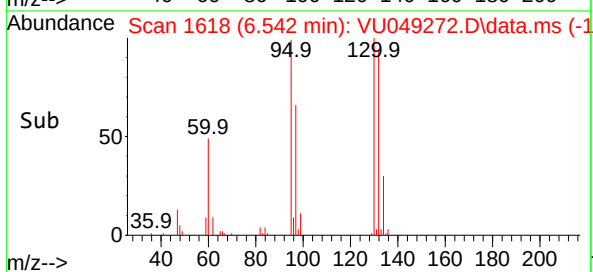
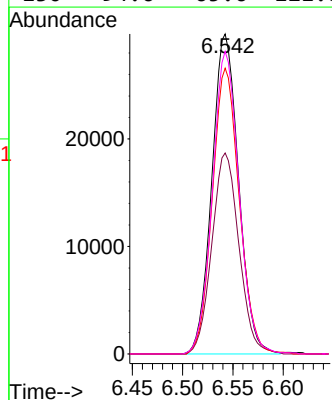
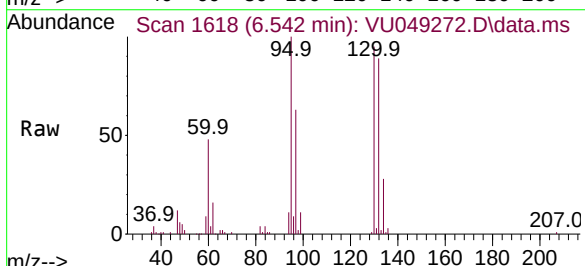
Ion Ratio Lower Upper

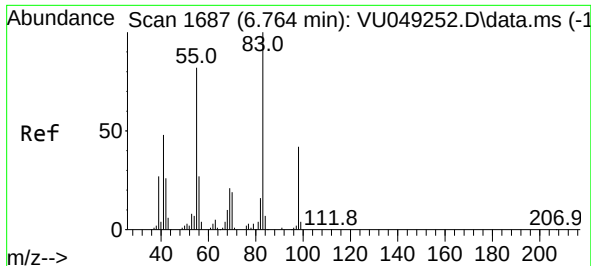
95 100

97 62.8 45.3 84.1

132 89.3 61.5 114.3

130 94.6 65.6 121.8

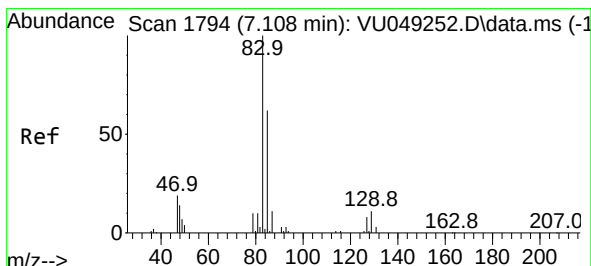
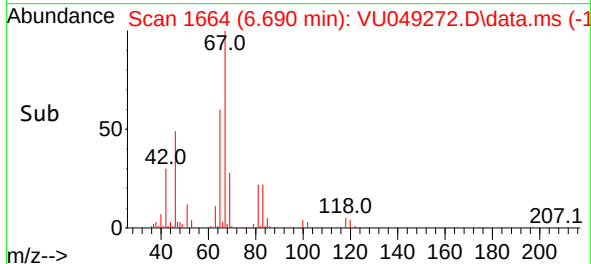
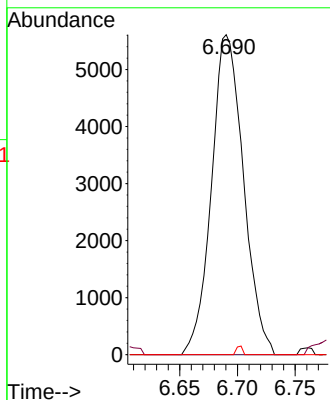
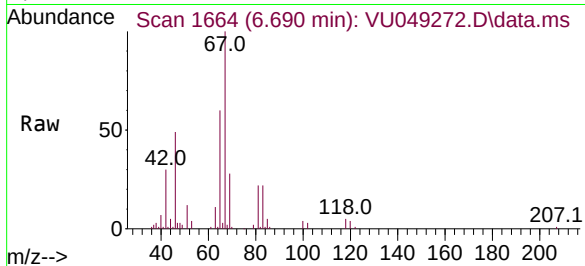




#35
Methylcyclohexane
Concen: 0.768 ug/L
RT: 6.690 min Scan# 1
Delta R.T. -0.074 min
Lab File: VU049272.D
Acq: 18 Jun 2022 02:30

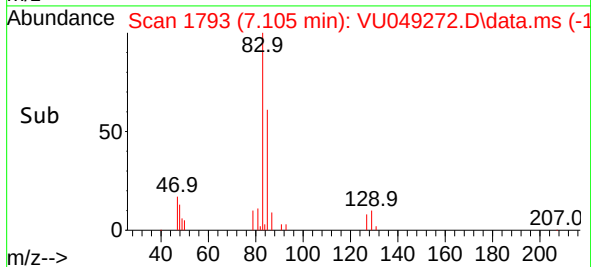
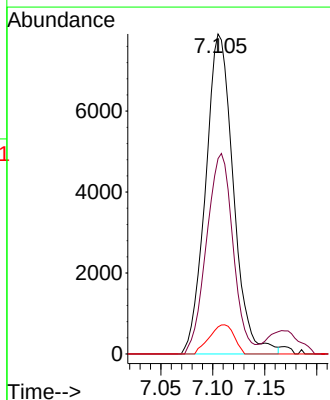
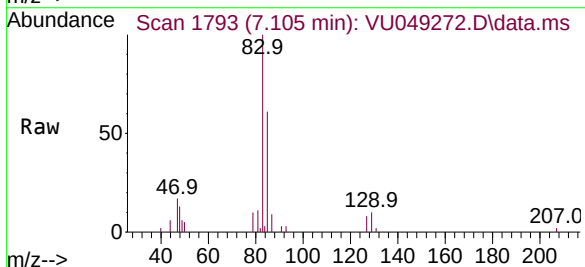
Instrument :
MSVOA_U
ClientSampleId :

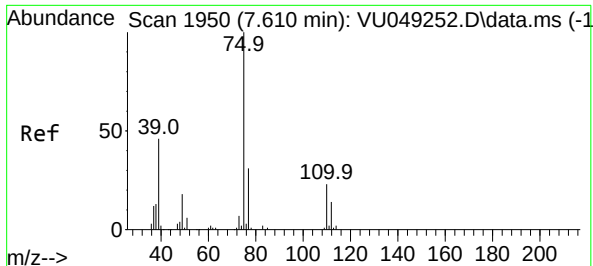
Tgt Ion: 83 Resp: 10812
Ion Ratio Lower Upper
83 100
55 3.3 66.9 100.3#
98 0.5 35.5 53.3#



#38
Bromodichloromethane
Concen: 1.331 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. -0.003 min
Lab File: VU049272.D
Acq: 18 Jun 2022 02:30

Tgt Ion: 83 Resp: 14685
Ion Ratio Lower Upper
83 100
85 61.1 45.5 84.5
127 8.5 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 7.565 min Scan# 1950

Delta R.T. -0.045 min

Lab File: VU049272.D

Acq: 18 Jun 2022 02:30

Instrument :

MSVOA_U

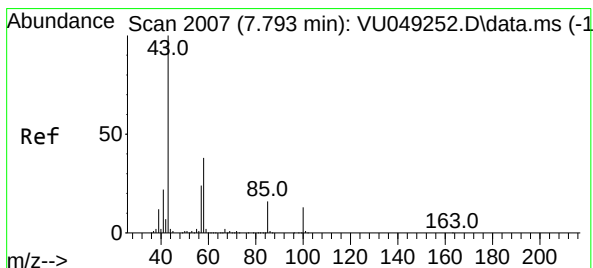
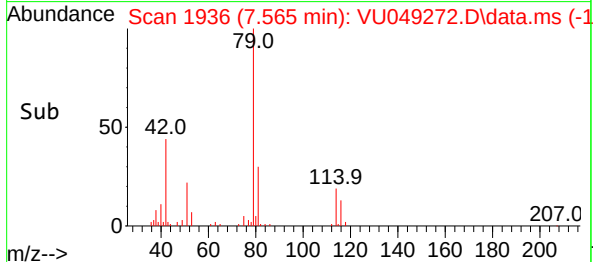
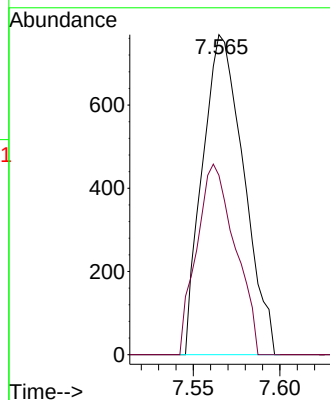
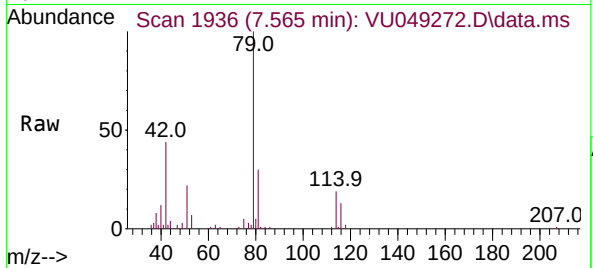
ClientSampleId :

Tgt Ion: 75 Resp: 1270

Ion Ratio Lower Upper

75 100

77 56.0 21.8 40.4#



#40

4-Methyl-2-pentanone

Concen: 2.777 ug/L

RT: 7.716 min Scan# 1983

Delta R.T. -0.077 min

Lab File: VU049272.D

Acq: 18 Jun 2022 02:30

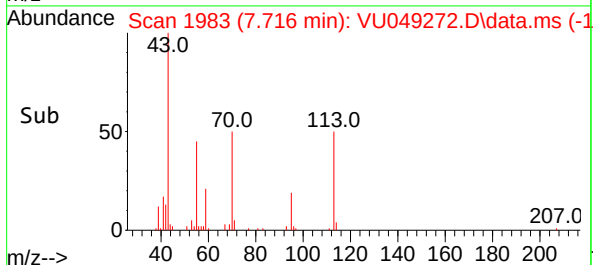
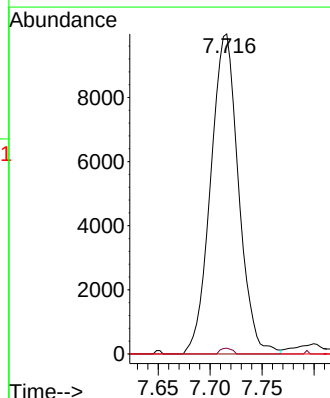
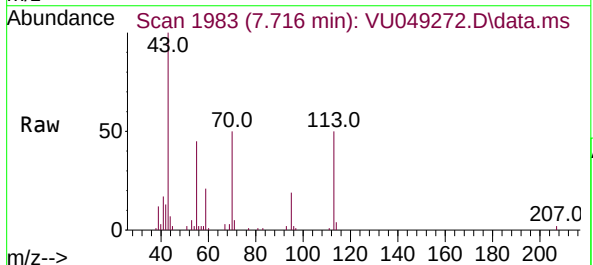
Tgt Ion: 43 Resp: 18625

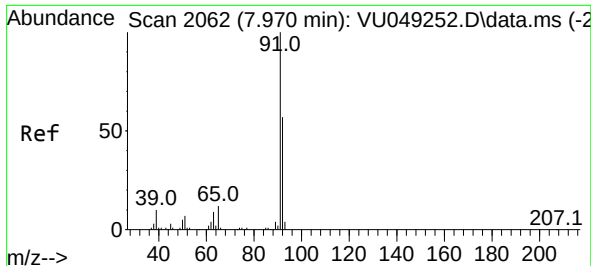
Ion Ratio Lower Upper

43 100

58 0.8 31.4 47.2#

100 0.0 10.5 15.7#





#42

Toluene

Concen: 0.590 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU049272.D

Acq: 18 Jun 2022 02:30

Instrument :

MSVOA_U

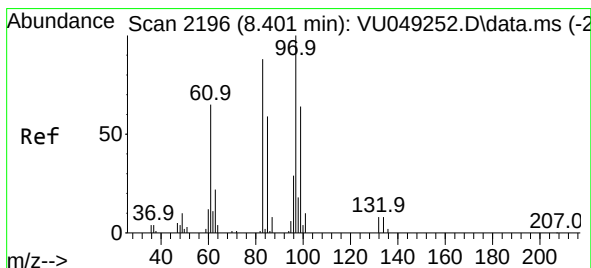
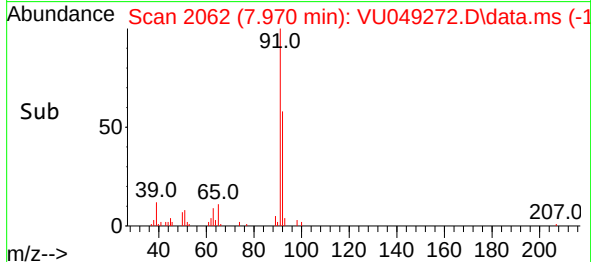
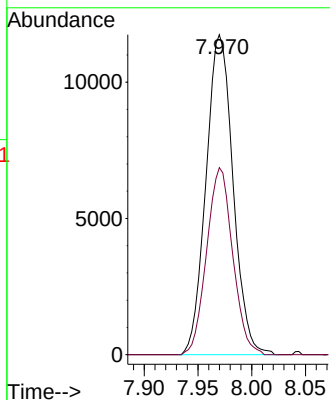
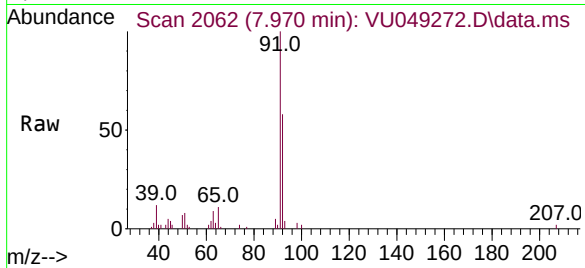
ClientSampleId :

Tgt Ion: 91 Resp: 20550

Ion Ratio Lower Upper

91 100

92 58.4 40.0 74.2



#45

1,1,2-Trichloroethane

Concen: 0.195 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. 0.148 min

Lab File: VU049272.D

Acq: 18 Jun 2022 02:30

Tgt Ion: 97 Resp: 1229

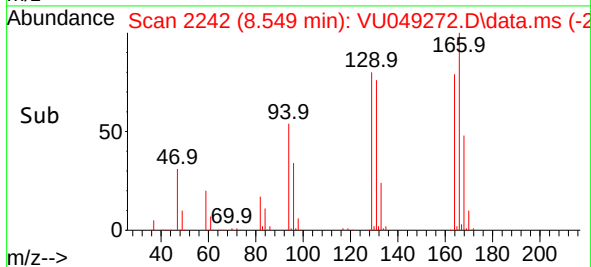
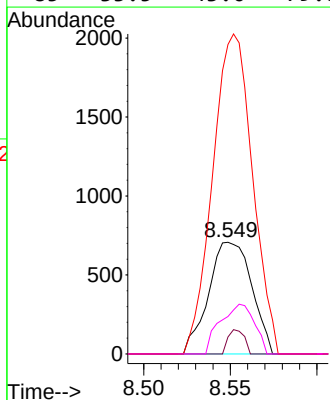
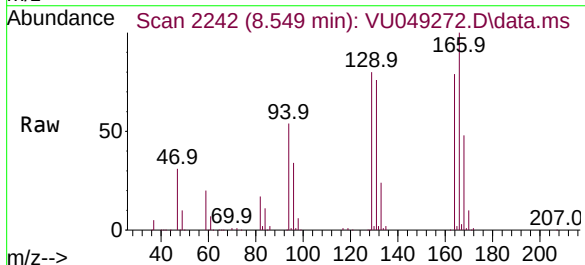
Ion Ratio Lower Upper

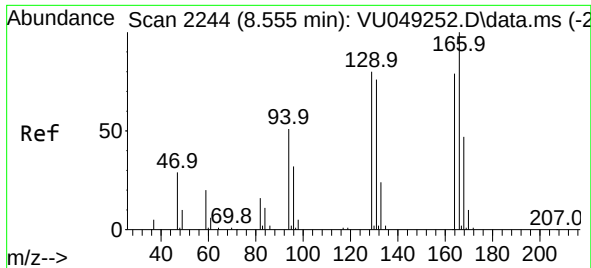
97 100

99 15.1 45.6 84.8#

83 277.1 65.4 121.4#

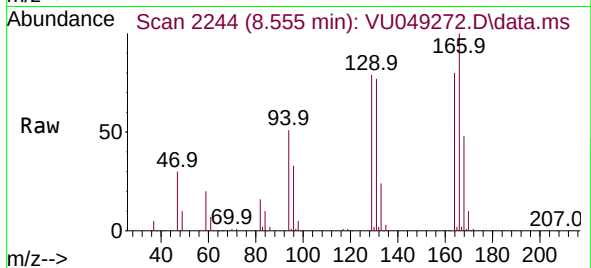
85 33.5 43.0 79.8#



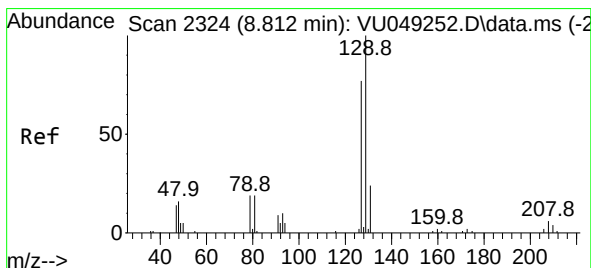
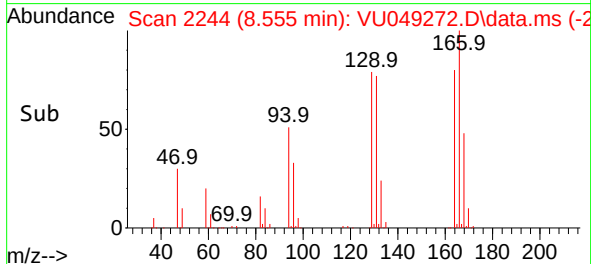
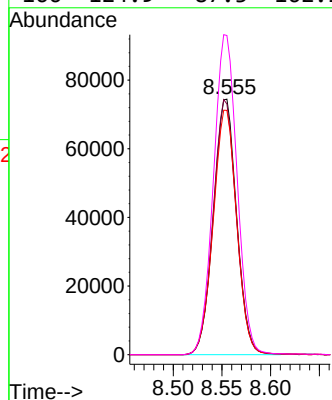


#47
Tetrachloroethene
Concen: 21.347 ug/L
RT: 8.555 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU049272.D
Acq: 18 Jun 2022 02:30

Instrument :
MSVOA_U
ClientSampleId :

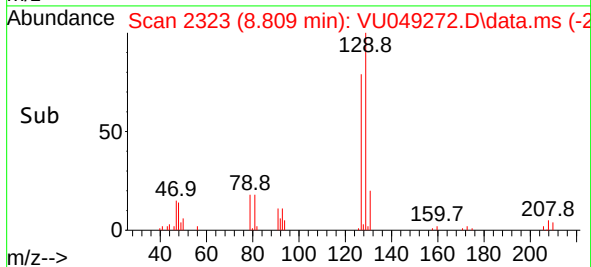
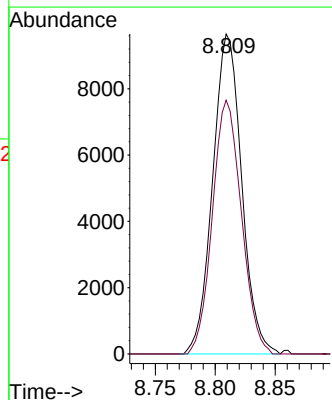
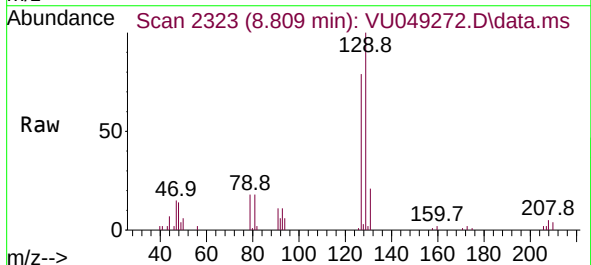


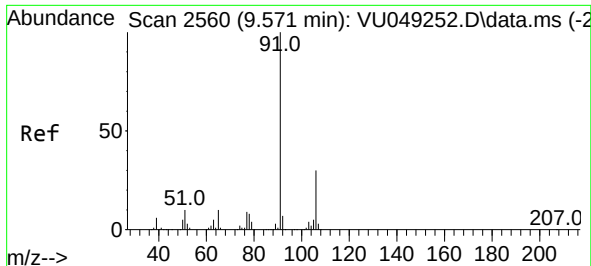
Tgt Ion:164 Resp: 123641
Ion Ratio Lower Upper
164 100
129 98.1 69.8 129.6
131 95.6 67.8 125.8
166 124.9 87.3 162.1



#49
Dibromochloromethane
Concen: 2.261 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.003 min
Lab File: VU049272.D
Acq: 18 Jun 2022 02:30

Tgt Ion:129 Resp: 16235
Ion Ratio Lower Upper
129 100
127 79.3 54.9 101.9

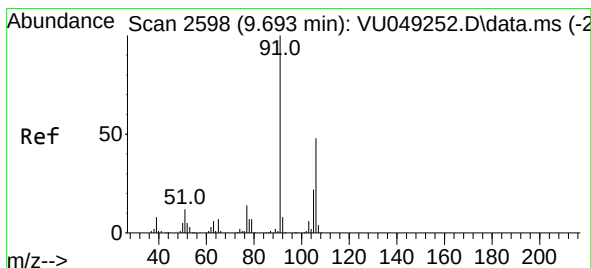
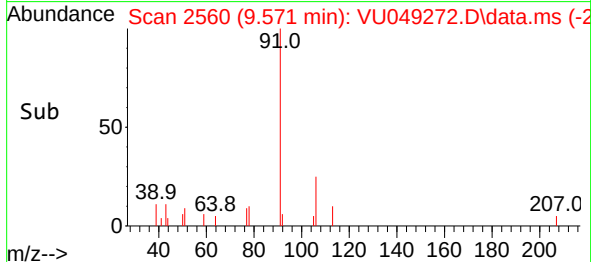
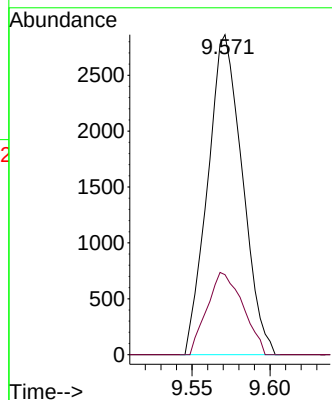
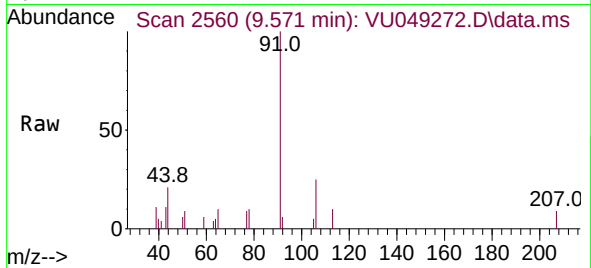




#52
Ethylbenzene
Concen: 0.116 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU049272.D
Acq: 18 Jun 2022 02:30

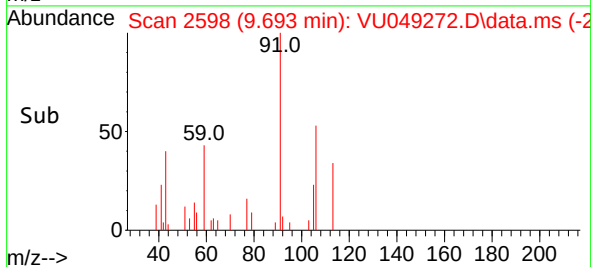
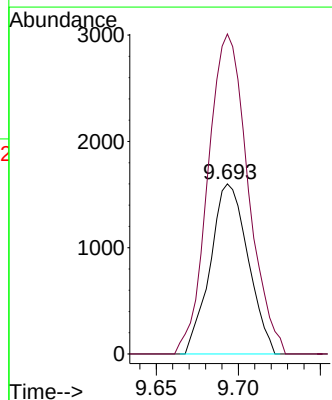
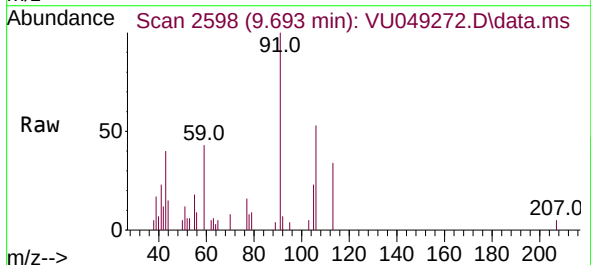
Instrument :
MSVOA_U
ClientSampleId :

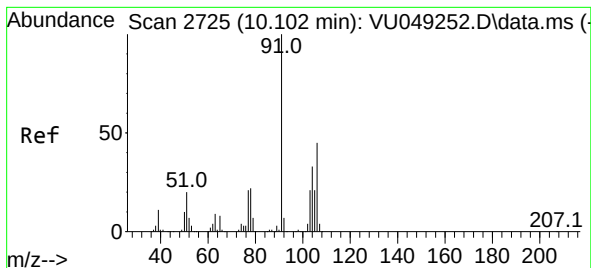
Tgt Ion: 91 Resp: 4416
Ion Ratio Lower Upper
91 100
106 25.0 21.2 39.4



#53
m,p-Xylene
Concen: 0.181 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU049272.D
Acq: 18 Jun 2022 02:30

Tgt Ion: 106 Resp: 2556
Ion Ratio Lower Upper
106 100
91 188.1 148.5 275.7





#54

o-Xylene

Concen: 0.110 ug/L

RT: 10.098 min Scan# 2724

Delta R.T. -0.003 min

Lab File: VU049272.D

Acq: 18 Jun 2022 02:30

Instrument :

MSVOA_U

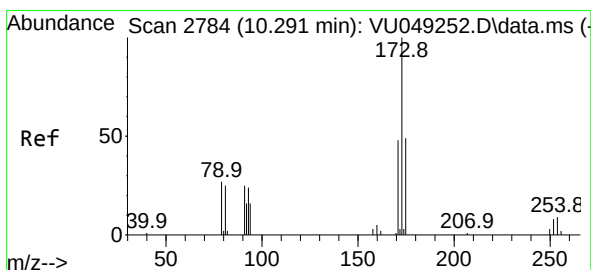
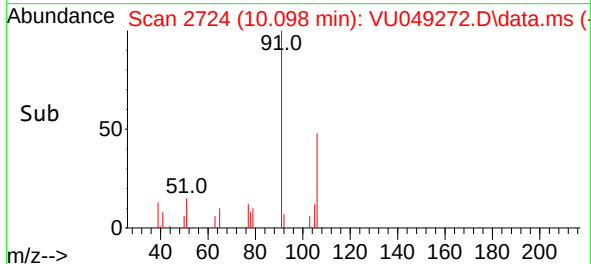
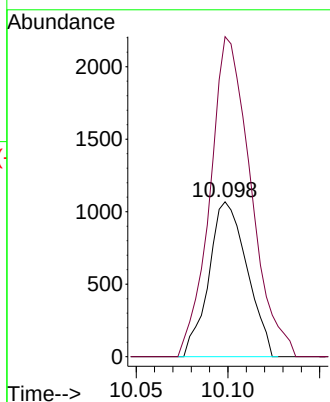
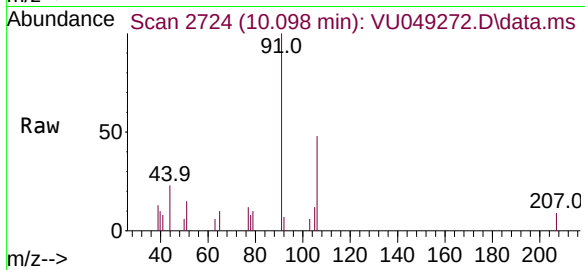
ClientSampleId :

Tgt Ion:106 Resp: 1545

Ion Ratio Lower Upper

106 100

91 206.6 157.5 292.5



#59

Bromoform

Concen: 2.282 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.003 min

Lab File: VU049272.D

Acq: 18 Jun 2022 02:30

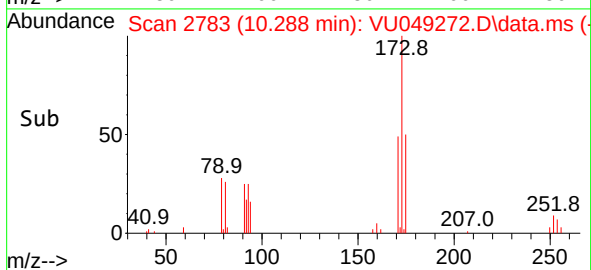
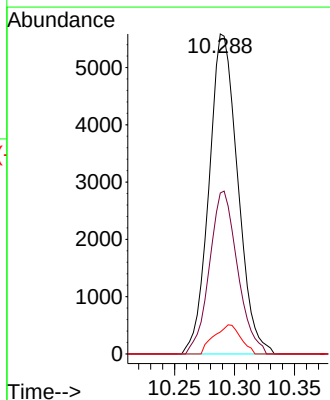
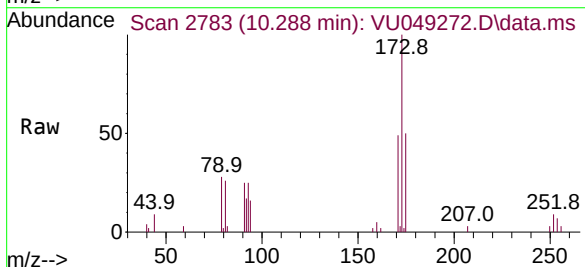
Tgt Ion:173 Resp: 9297

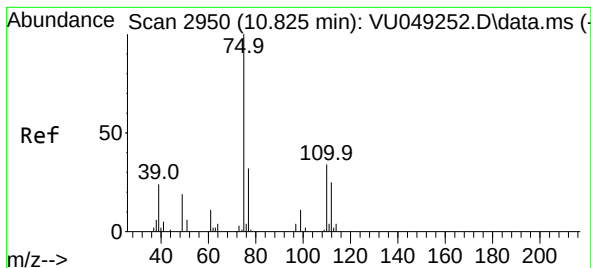
Ion Ratio Lower Upper

173 100

175 49.7 37.9 56.9

254 8.4 6.6 9.8





#61

1,2,3-Trichloropropane

Concen: 1.196 ug/L

RT: 11.812 min Scan# 31

Delta R.T. 0.987 min

Lab File: VU049272.D

Acq: 18 Jun 2022 02:30

Instrument :

MSVOA_U

ClientSampleId :

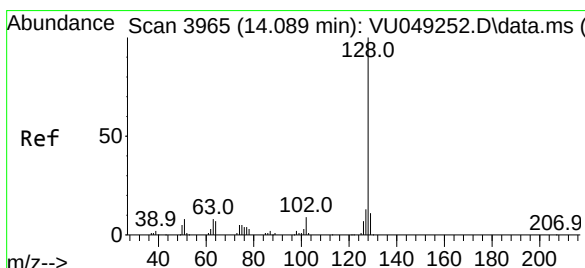
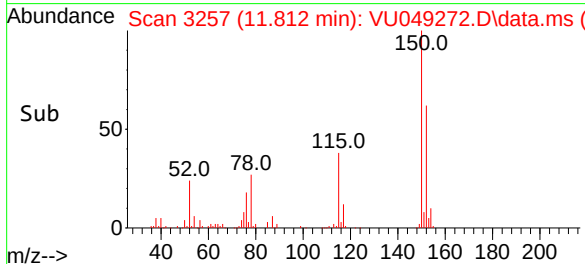
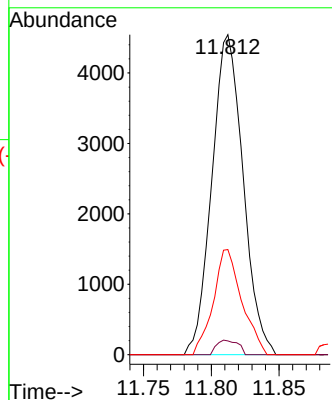
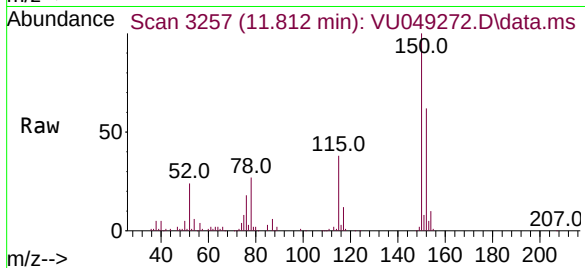
Tgt Ion: 75 Resp: 7277

Ion Ratio Lower Upper

75 100

110 3.1 29.0 43.4#

77 30.0 26.2 39.2



#71

Naphthalene

Concen: 0.133 ug/L

RT: 14.095 min Scan# 3967

Delta R.T. 0.006 min

Lab File: VU049272.D

Acq: 18 Jun 2022 02:30

Tgt Ion: 128 Resp: 2493

Ion Ratio Lower Upper

128 100

129 7.7 9.0 13.6#

127 13.1 10.2 15.4

