

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092521\
 Data File : VU044849.D
 Acq On : 25 Sep 2021 20:05
 Operator : SY/MD
 Sample : M3859-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 1029-MW-03A

Quant Time: Sep 27 01:35:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092421W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 25 09:30:46 2021
 Response via : Initial Calibration

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

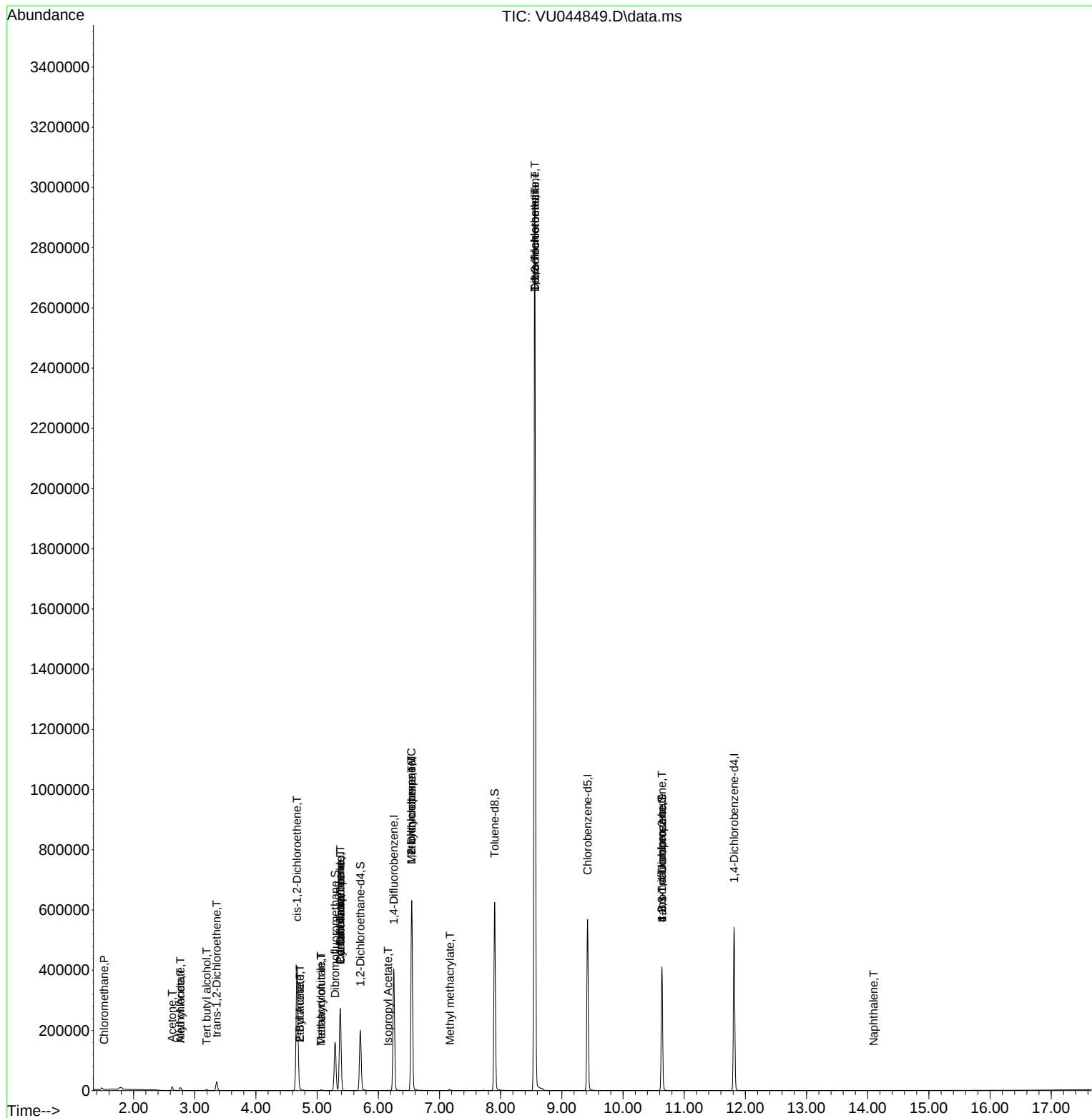
Internal Standards						
1) Pentafluorobenzene	5.379	168	175911	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	305422	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	289265	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	129639	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	147815	48.146	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.300%	
35) Dibromofluoromethane	5.295	113	102371	48.859	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.720%	
50) Toluene-d8	7.903	98	397732	50.261	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.520%	
62) 4-Bromofluorobenzene	10.636	95	135674	46.161	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.320%	
Target Compounds					Qvalue	
3) Chloromethane	1.520	50	646	0.202	ug/l	92
5) Bromomethane	1.851	94	418	Below Cal	#	76
6) Chloroethane	2.028	64	664	Below Cal	#	42
11) Tert butyl alcohol	3.195	59	2629	2.934	ug/l #	72
14) Allyl chloride	2.764	41	1275	0.310	ug/l #	70
16) Acetone	2.629	43	14287	8.250	ug/l	100
18) Methyl Acetate	2.764	43	3469	0.600	ug/l #	52
21) trans-1,2-Dichloroethene	3.359	96	11994	5.289	ug/l	97
25) 2-Butanone	4.716	43	4157	1.582	ug/l	97
27) cis-1,2-Dichloroethene	4.671	96	208073	75.441	ug/l	88
29) Tetrahydrofuran	5.063	42	1458	0.882	ug/l	100
31) Cyclohexane	5.379	56	4950	1.123	ug/l #	8
36) 1,1-Dichloropropene	5.379	75	16680	5.147	ug/l #	50
37) Ethyl Acetate	4.716	43	4157	0.874	ug/l #	69
38) Carbon Tetrachloride	5.379	117	18900	6.524	ug/l #	16
39) Methylcyclohexane	6.542	83	2626	0.716	ug/l #	1
41) Methacrylonitrile	5.063	41	1068	0.450	ug/l #	46
43) Isopropyl Acetate	6.160	43	1407	0.212	ug/l #	61
44) Trichloroethene	6.546	130	197148	83.026	ug/l	97
45) 1,2-Dichloropropane	6.542	63	1042	0.390	ug/l #	1
48) Methyl methacrylate	7.173	41	1523	0.485	ug/l #	25
55) 1,1,2-Trichloroethane	8.558	97	5759	2.280	ug/l #	1
60) Dibromochloromethane	8.558	129	589229	243.643	ug/l #	10
64) Tetrachloroethene	8.558	164	602815	307.449	ug/l	98
76) 1,2,3-Trichloropropane	10.636	75	73690	18.771	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.636	75	73690	60.809	ug/l #	9
95) Naphthalene	14.098	128	187	0.962	ug/l #	69

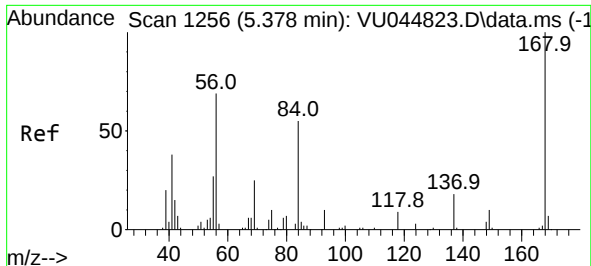
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092521\
Data File : VU044849.D
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Quant Title : SW846 8260
QLast Update : Sat Sep 25 09:30:46 2021
Response via : Initial Calibration

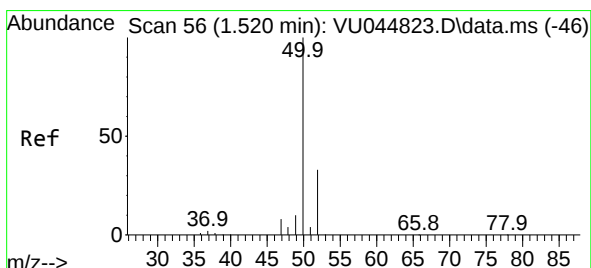
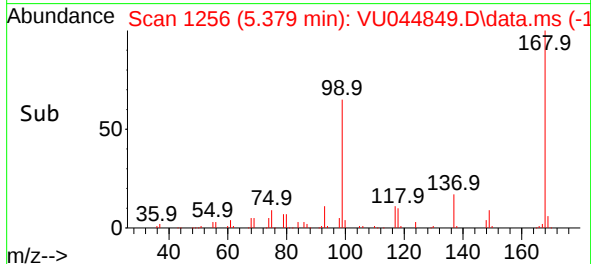
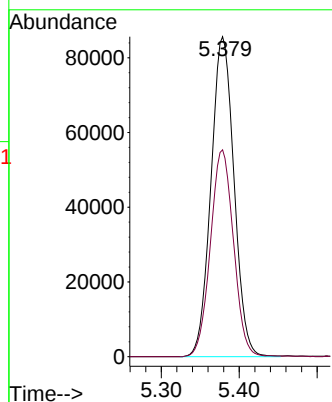
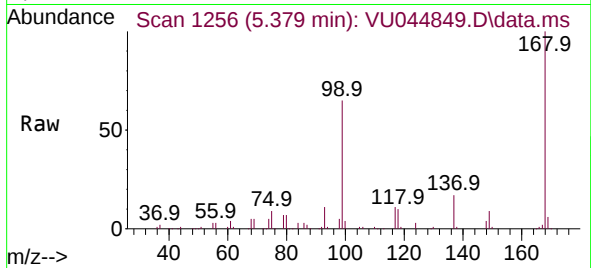




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. 0.001 min
Lab File: VU044849.D
Acq: 25 Sep 2021 20:05

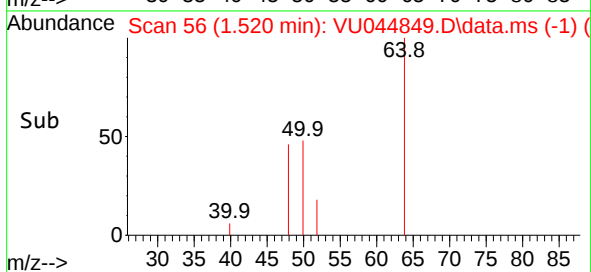
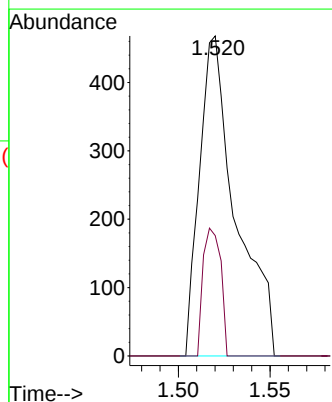
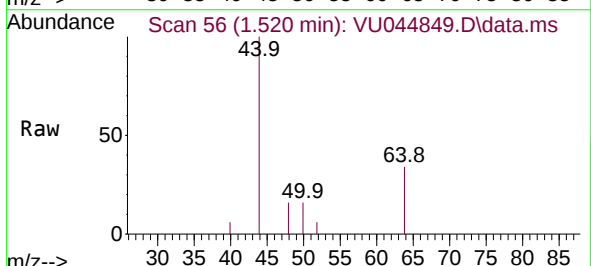
Instrument :
MSVOA_U
ClientSampleId :
1029-MW-03A

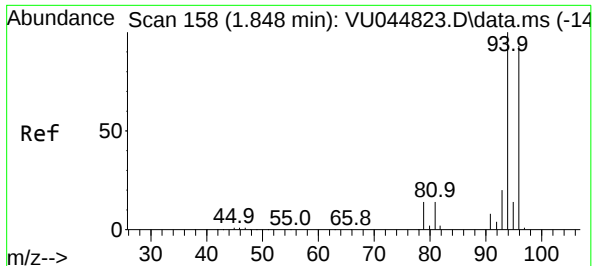
Tgt Ion:168 Resp: 175911
Ion Ratio Lower Upper
168 100
99 64.6 51.4 77.0



#3
Chloromethane
Concen: 0.202 ug/l
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU044849.D
Acq: 25 Sep 2021 20:05

Tgt Ion: 50 Resp: 646
Ion Ratio Lower Upper
50 100
52 37.6 26.3 39.5

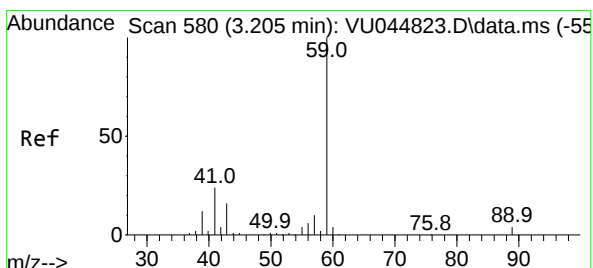
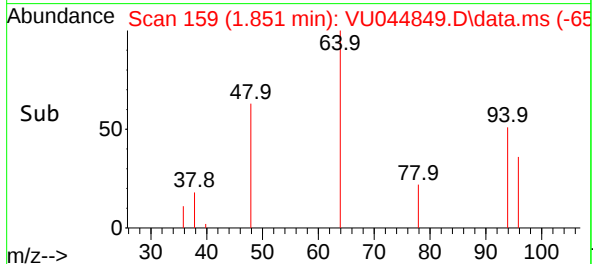
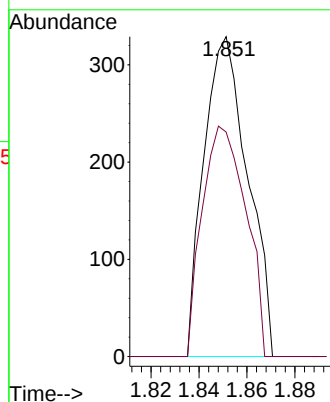
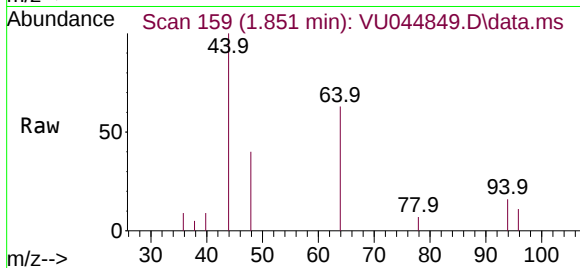




#5
Bromomethane
Concen: Below Cal
RT: 1.851 min Scan# 159
Delta R.T. 0.003 min
Lab File: VU044849.D
Acq: 25 Sep 2021 20:05

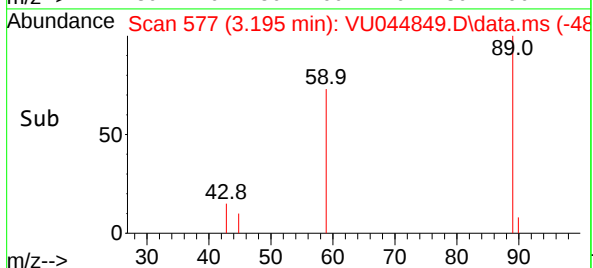
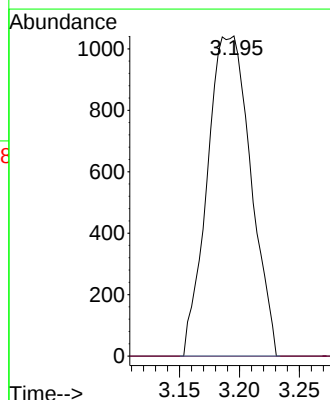
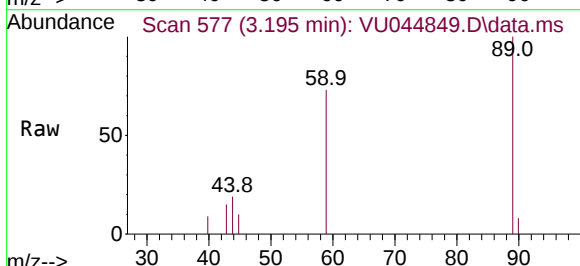
Instrument :
MSVOA_U
ClientSampleId :
1029-MW-03A

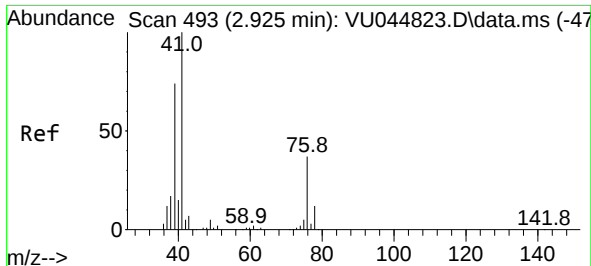
Tgt Ion: 94 Resp: 418
Ion Ratio Lower Upper
94 100
96 70.2 74.5 111.7#



#11
Tert butyl alcohol
Concen: 2.934 ug/l
RT: 3.195 min Scan# 577
Delta R.T. -0.010 min
Lab File: VU044849.D
Acq: 25 Sep 2021 20:05

Tgt Ion: 59 Resp: 2629
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

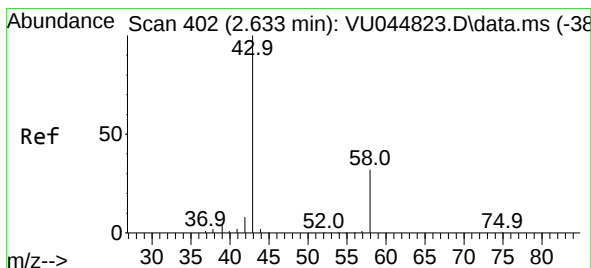
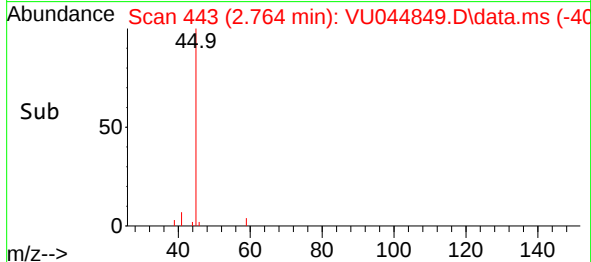
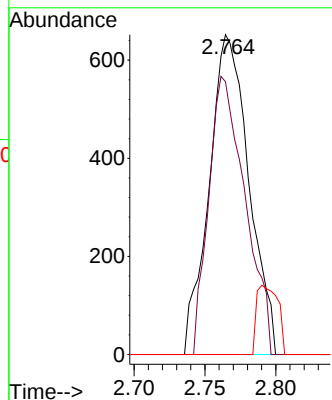
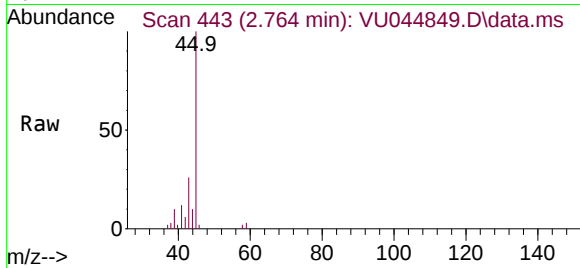




#14
Allyl chloride
Concen: 0.310 ug/l
RT: 2.764 min Scan# 443
Delta R.T. -0.161 min
Lab File: VU044849.D
Acq: 25 Sep 2021 20:05

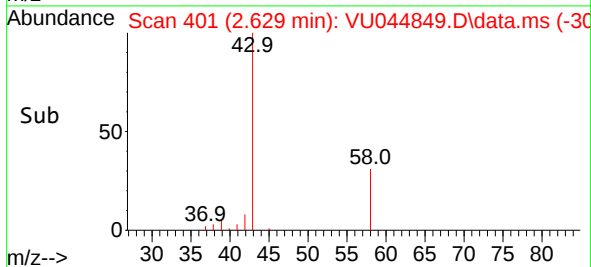
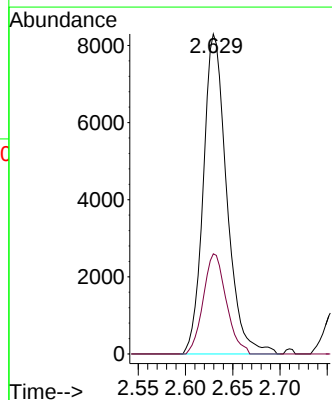
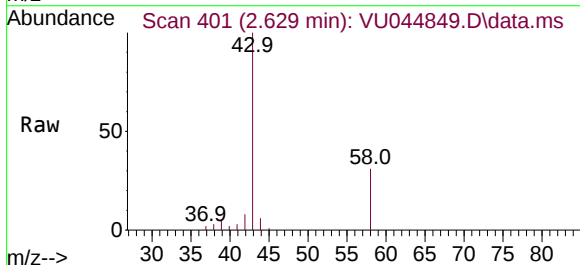
Instrument :
MSVOA_U
ClientSampleId :
1029-MW-03A

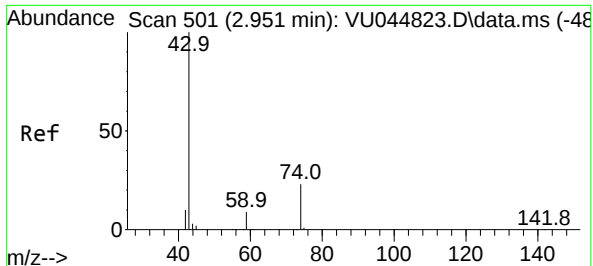
Tgt Ion: 41	Resp: 1275
Ion Ratio	Lower Upper
41 100	
39 79.5	53.0 79.6
76 0.0	25.7 38.5#



#16
Acetone
Concen: 8.250 ug/l
RT: 2.629 min Scan# 401
Delta R.T. -0.003 min
Lab File: VU044849.D
Acq: 25 Sep 2021 20:05

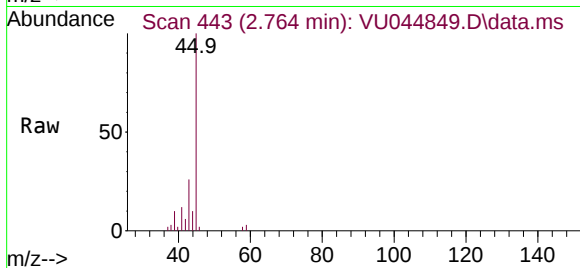
Tgt Ion: 43	Resp: 14287
Ion Ratio	Lower Upper
43 100	
58 31.3	25.2 37.8



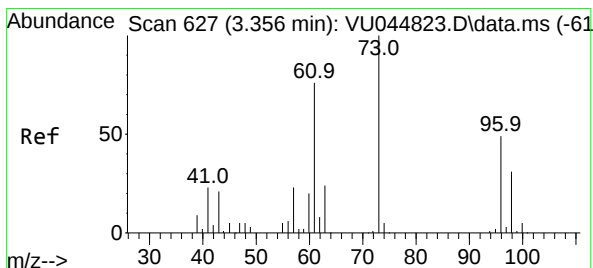
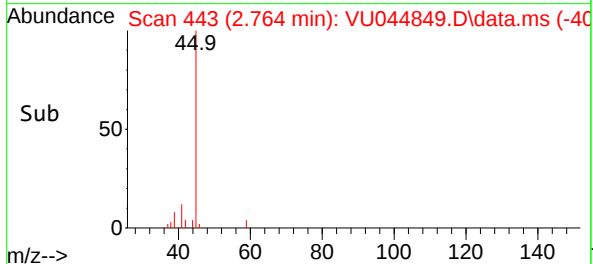
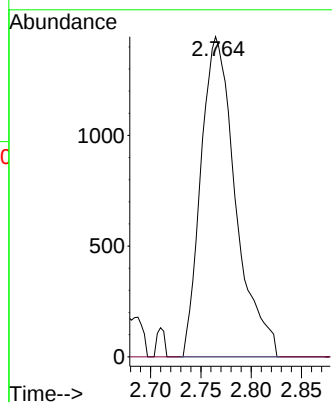


#18
Methyl Acetate
Concen: 0.600 ug/l
RT: 2.764 min Scan# 443
Delta R.T. -0.186 min
Lab File: VU044849.D
Acq: 25 Sep 2021 20:05

Instrument :
MSVOA_U
ClientSampleId :
1029-MW-03A

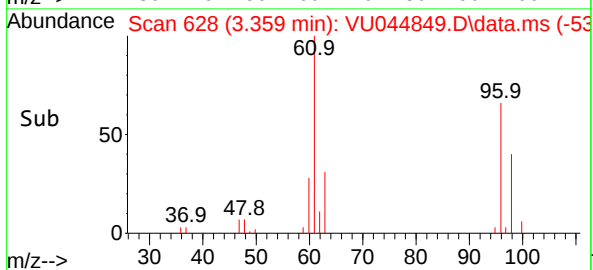
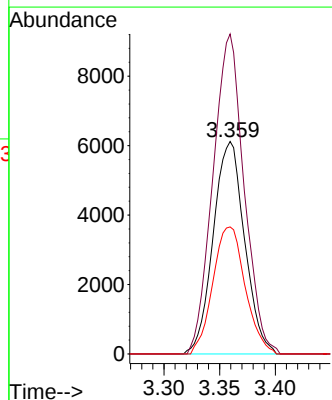
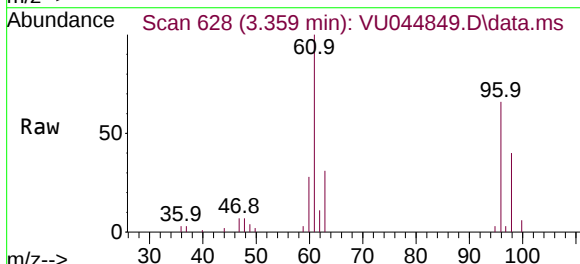


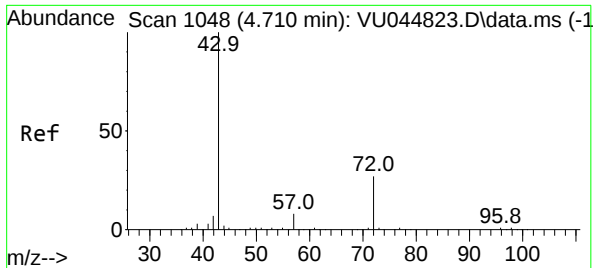
Tgt Ion: 43 Resp: 3469
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.6#



#21
trans-1,2-Dichloroethene
Concen: 5.289 ug/l
RT: 3.359 min Scan# 628
Delta R.T. 0.003 min
Lab File: VU044849.D
Acq: 25 Sep 2021 20:05

Tgt Ion: 96 Resp: 11994
Ion Ratio Lower Upper
96 100
61 150.5 123.2 184.8
98 59.7 51.0 76.6

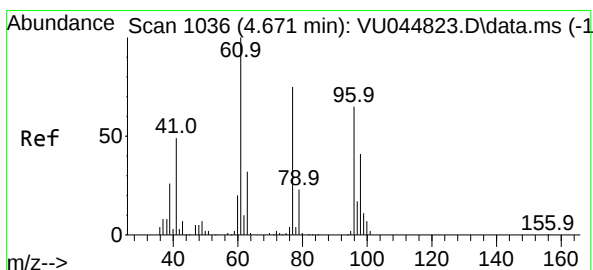
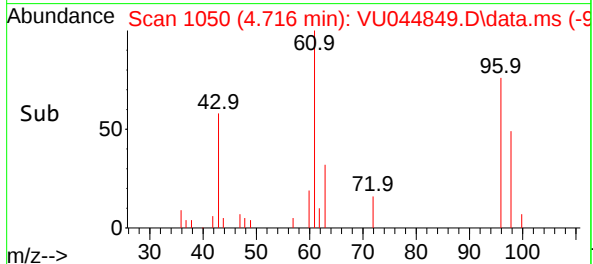
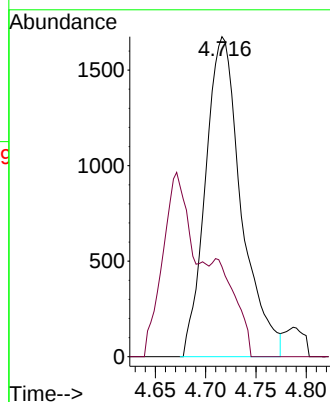
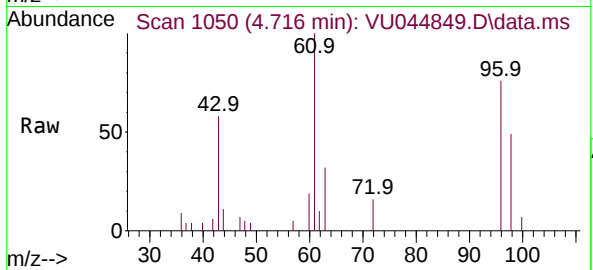




#25
2-Butanone
Concen: 1.582 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. 0.006 min
Lab File: VU044849.D
Acq: 25 Sep 2021 20:05

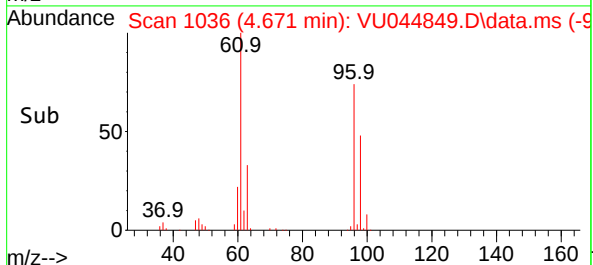
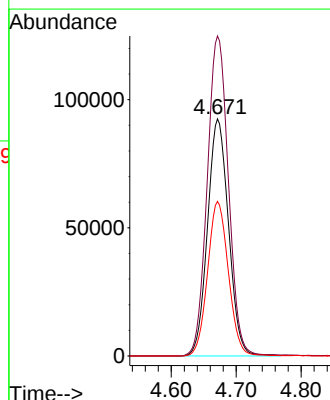
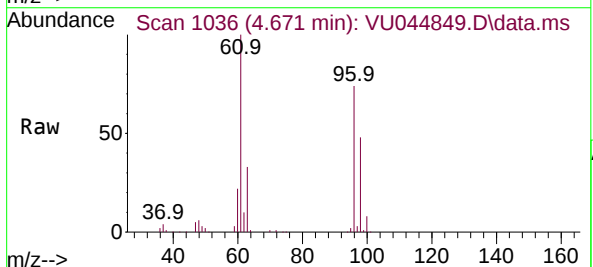
Instrument :
MSVOA_U
ClientSampled :
1029-MW-03A

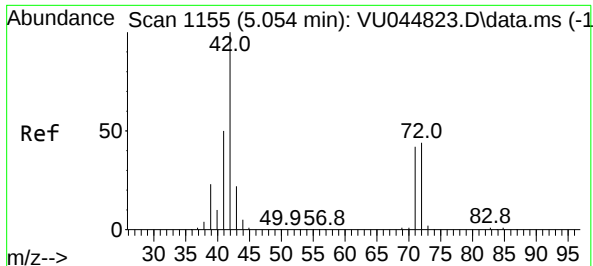
Tgt Ion: 43 Resp: 4157
Ion Ratio Lower Upper
43 100
72 28.1 21.3 31.9



#27
cis-1,2-Dichloroethene
Concen: 75.441 ug/l
RT: 4.671 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VU044849.D
Acq: 25 Sep 2021 20:05

Tgt Ion: 96 Resp: 208073
Ion Ratio Lower Upper
96 100
61 135.8 0.0 313.4
98 64.6 0.0 127.0





#29

Tetrahydrofuran

Concen: 0.882 ug/l

RT: 5.063 min Scan# 1158

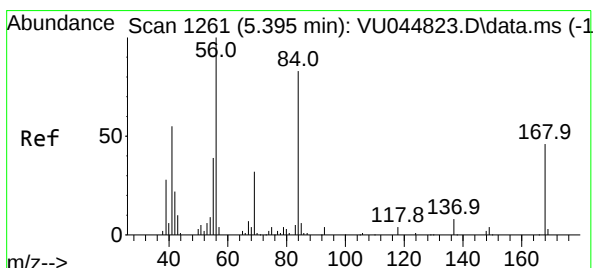
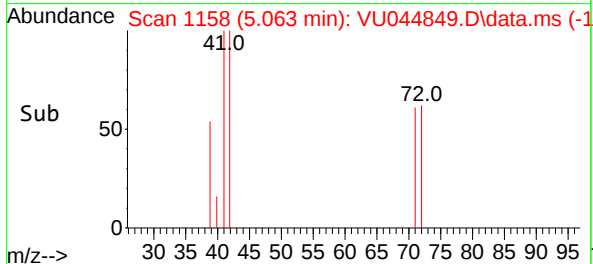
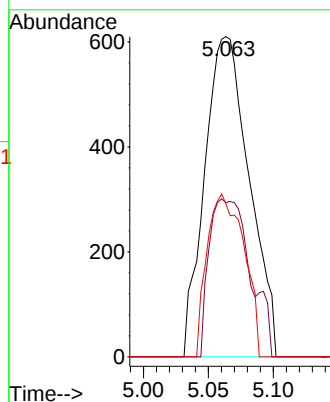
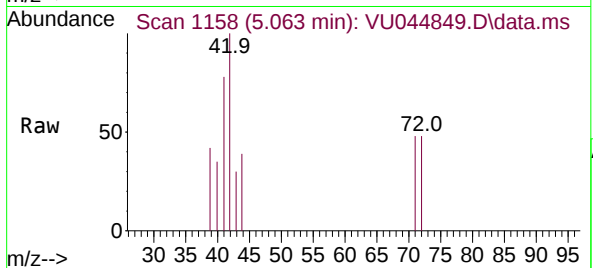
Delta R.T. 0.010 min

Lab File: VU044849.D

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Tgt Ion:	42	Resp:	1458
Ion	Ratio	Lower	Upper
42	100		
72	45.3	36.2	54.4
71	42.2	34.1	51.1



#31

Cyclohexane

Concen: 1.123 ug/l

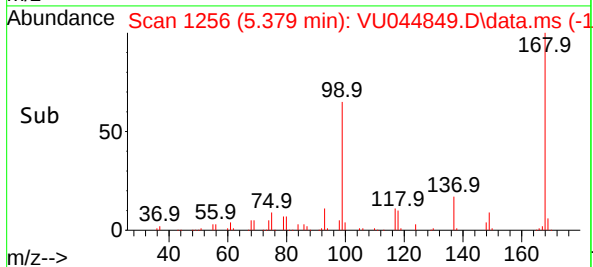
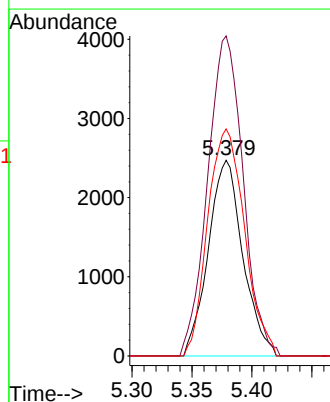
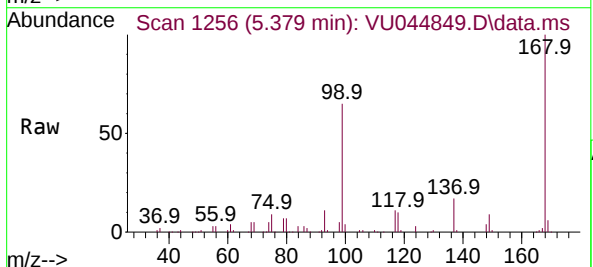
RT: 5.379 min Scan# 1256

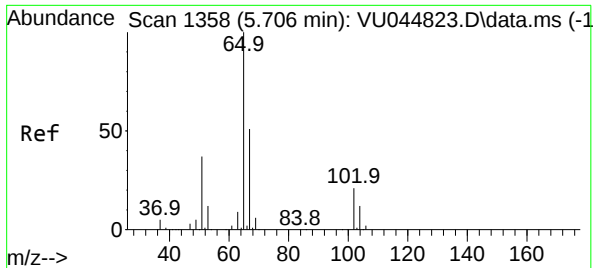
Delta R.T. -0.016 min

Lab File: VU044849.D

Acq: 25 Sep 2021 20:05

Tgt Ion:	56	Resp:	4950
Ion	Ratio	Lower	Upper
56	100		
69	163.6	25.2	37.8#
84	116.0	66.4	99.6#

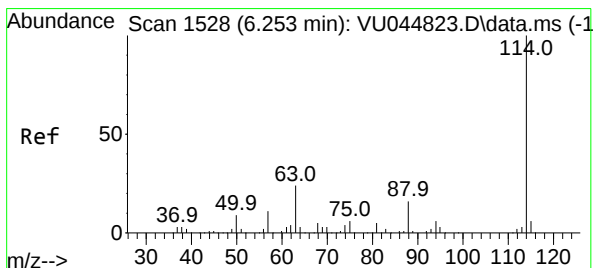
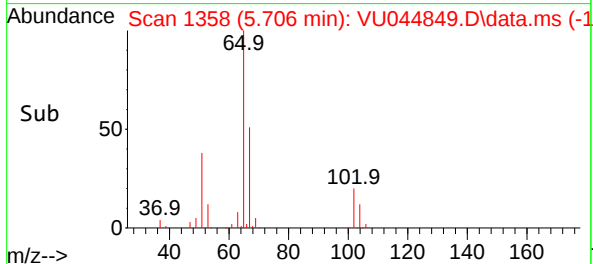
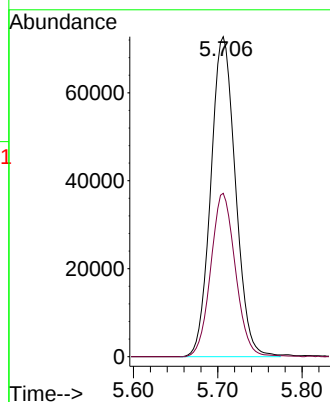
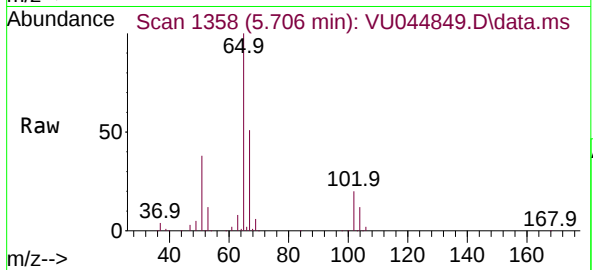




#33
1,2-Dichloroethane-d4
Concen: 48.146 ug/l
RT: 5.706 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VU044849.D
Acq: 25 Sep 2021 20:05

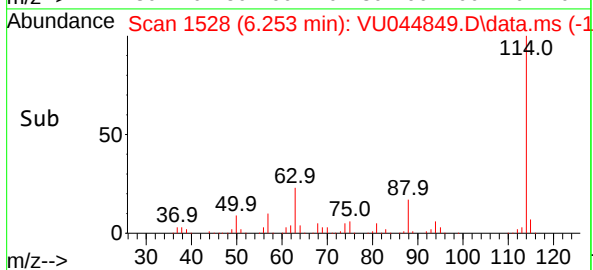
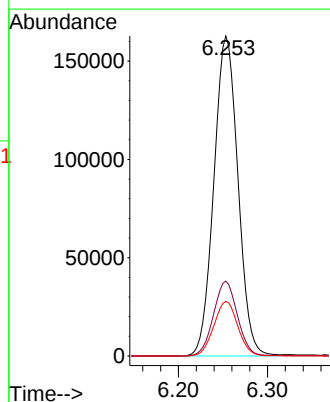
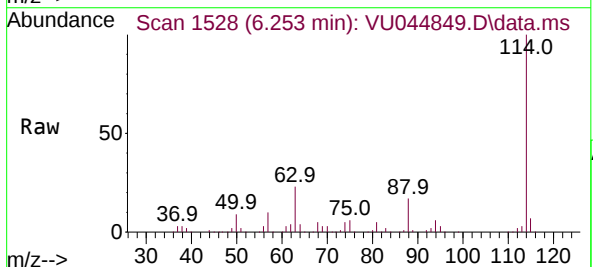
Instrument :
MSVOA_U
ClientSampled :
1029-MW-03A

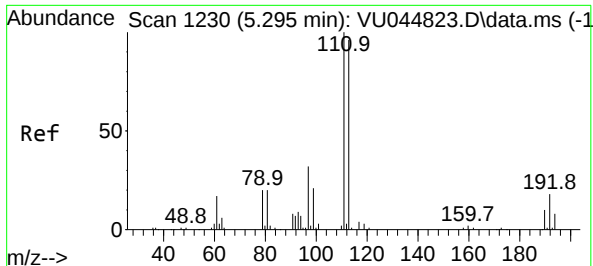
Tgt Ion: 65 Resp: 147815
Ion Ratio Lower Upper
65 100
67 51.1 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. 0.000 min
Lab File: VU044849.D
Acq: 25 Sep 2021 20:05

Tgt Ion: 114 Resp: 305422
Ion Ratio Lower Upper
114 100
63 23.4 0.0 47.8
88 17.1 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.859 ug/l

RT: 5.295 min Scan# 1230

Delta R.T. 0.000 min

Lab File: VU044849.D

Acq: 25 Sep 2021 20:05

Tgt Ion: 113 Resp: 102371

Ion Ratio Lower Upper

113 100

111 103.1 84.1 126.1

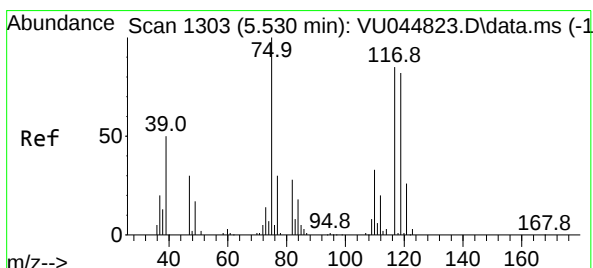
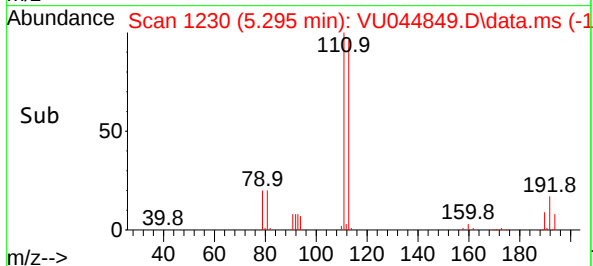
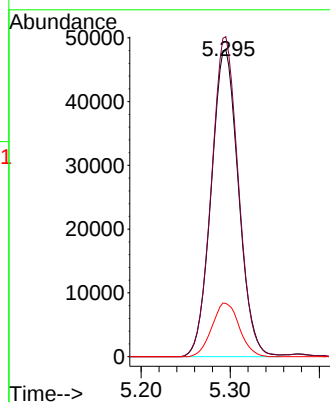
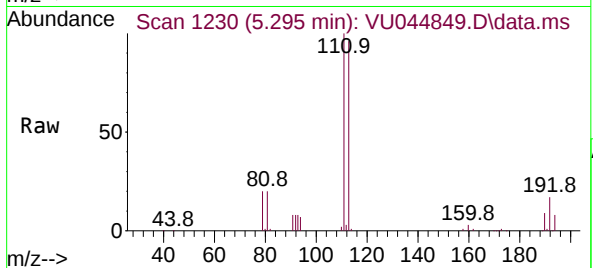
192 17.5 14.8 22.2

Instrument :

MSVOA_U

ClientSampleId :

1029-MW-03A



#36

1,1-Dichloropropene

Concen: 5.147 ug/l

RT: 5.379 min Scan# 1256

Delta R.T. -0.151 min

Lab File: VU044849.D

Acq: 25 Sep 2021 20:05

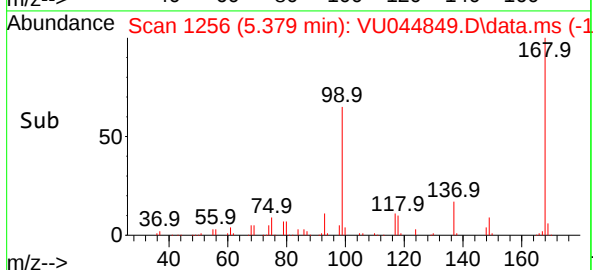
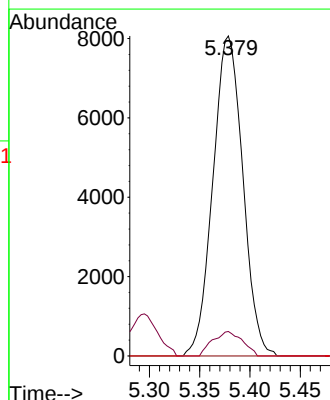
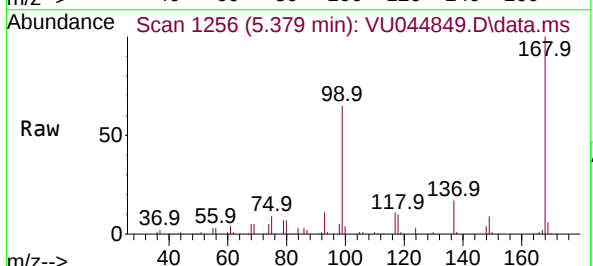
Tgt Ion: 75 Resp: 16680

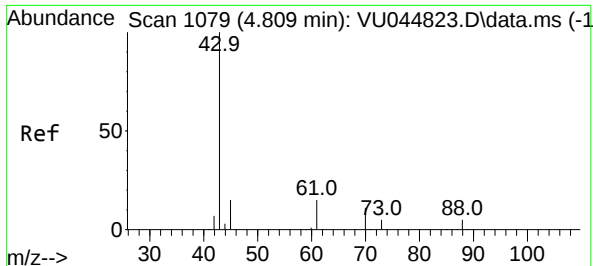
Ion Ratio Lower Upper

75 100

110 7.6 16.3 48.9#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.874 ug/l

RT: 4.716 min Scan# 1050

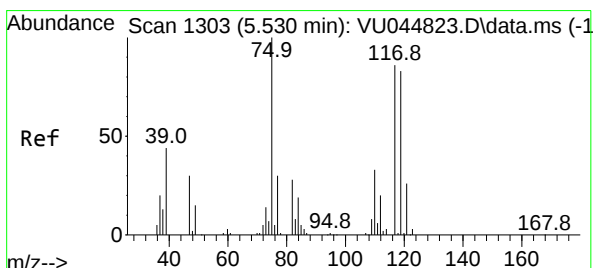
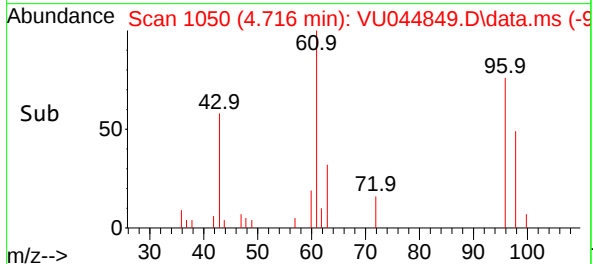
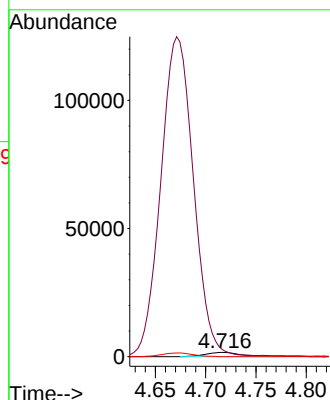
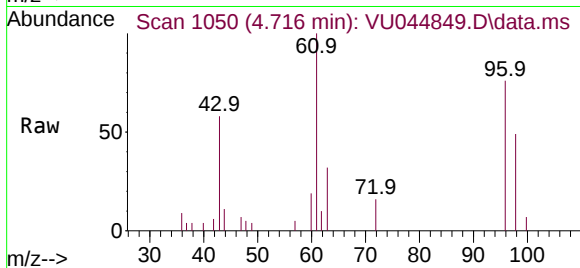
Delta R.T. -0.093 min

Lab File: VU044849.D

Acq: 25 Sep 2021 20:05

Instrument :
MSVOA_U
ClientSampleId :
1029-MW-03A

Tgt Ion:	43	Resp:	4157
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.9	16.3#
70	0.0	8.2	12.4#



#38

Carbon Tetrachloride

Concen: 6.524 ug/l

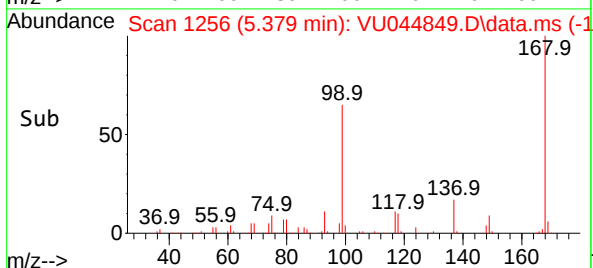
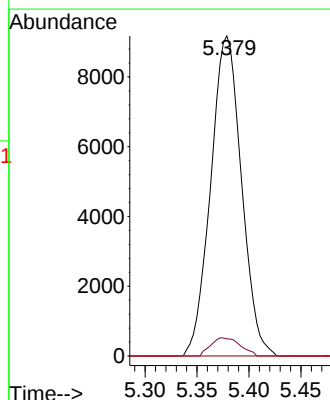
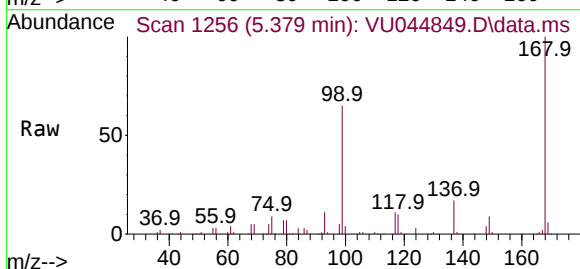
RT: 5.379 min Scan# 1256

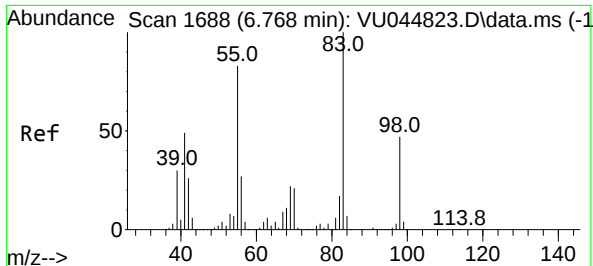
Delta R.T. -0.151 min

Lab File: VU044849.D

Acq: 25 Sep 2021 20:05

Tgt Ion:	117	Resp:	18900
Ion	Ratio	Lower	Upper
117	100		
119	5.4	77.4	116.2#
121	0.0	24.5	36.7#





#39

Methylcyclohexane

Concen: 0.716 ug/l

RT: 6.542 min Scan# 1618

Delta R.T. -0.225 min

Lab File: VU044849.D

Acq: 25 Sep 2021 20:05

Tgt Ion: 83 Resp: 2626

Ion Ratio Lower Upper

83 100

55 0.0 66.2 99.4#

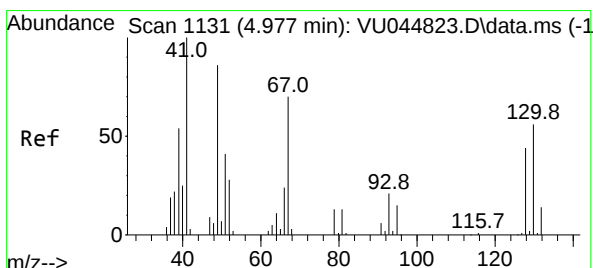
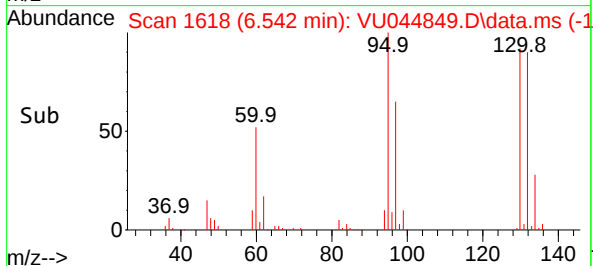
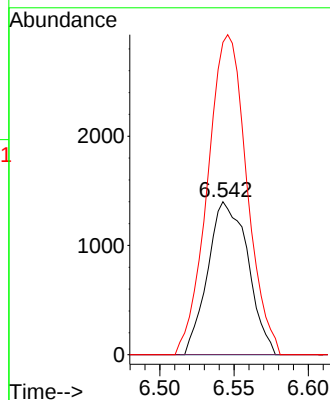
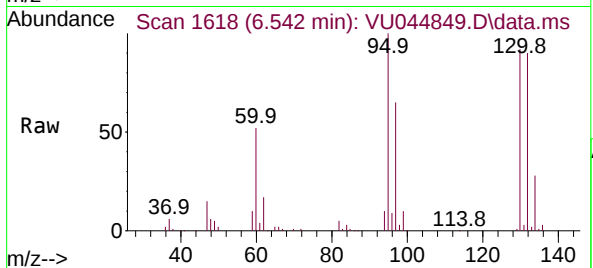
98 204.2 37.5 56.3#

Instrument :

MSVOA_U

ClientSampleId :

1029-MW-03A



#41

Methacrylonitrile

Concen: 0.450 ug/l

RT: 5.063 min Scan# 1158

Delta R.T. 0.087 min

Lab File: VU044849.D

Acq: 25 Sep 2021 20:05

Tgt Ion: 41 Resp: 1068

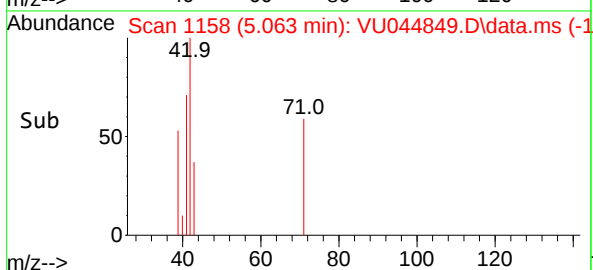
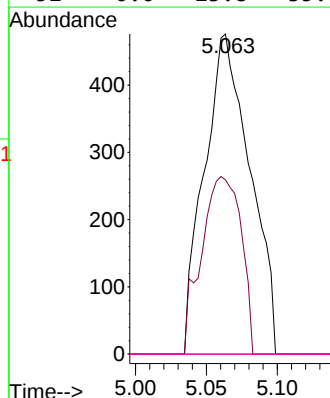
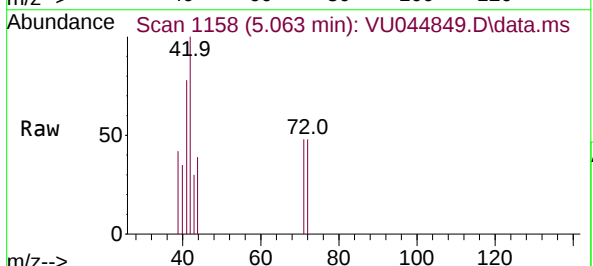
Ion Ratio Lower Upper

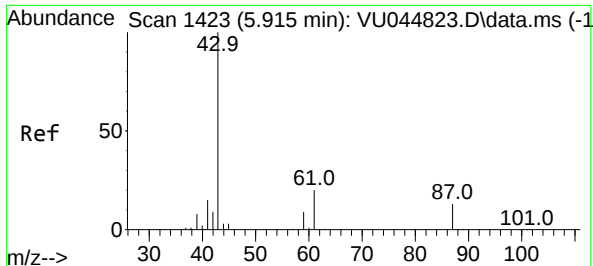
41 100

39 48.2 44.4 66.6

67 0.0 58.1 87.1#

52 0.0 23.8 35.8#

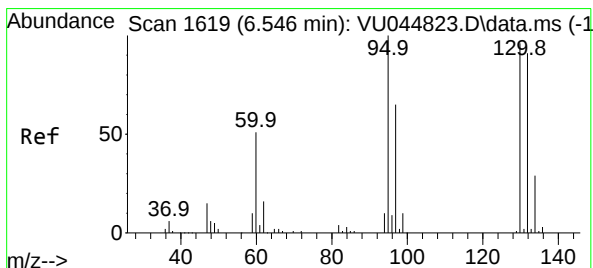
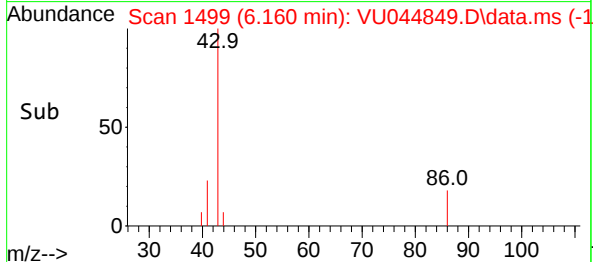
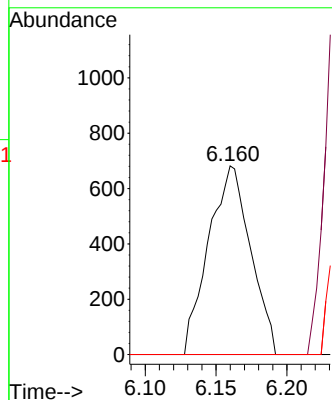
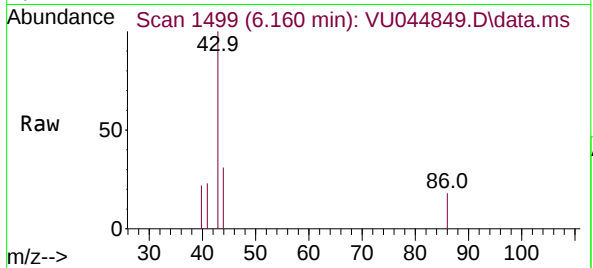




#43
Isopropyl Acetate
Concen: 0.212 ug/l
RT: 6.160 min Scan# 1499
Delta R.T. 0.244 min
Lab File: VU044849.D
Acq: 25 Sep 2021 20:05

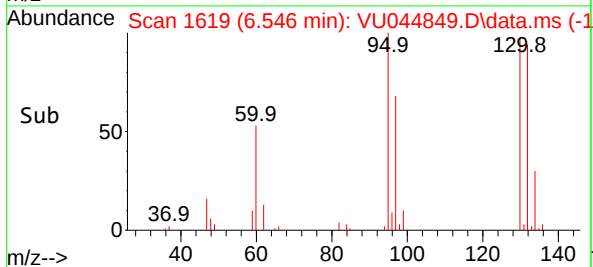
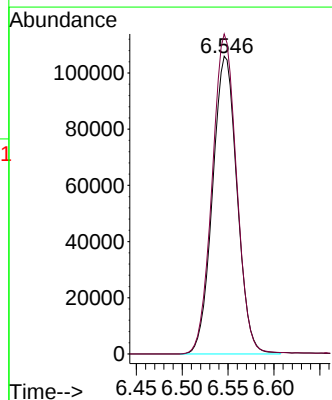
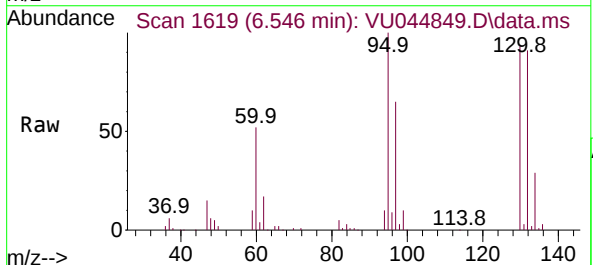
Instrument :
MSVOA_U
ClientSampleId :
1029-MW-03A

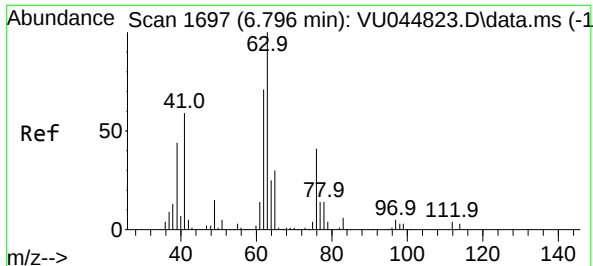
Tgt Ion: 43 Resp: 1407
Ion Ratio Lower Upper
43 100
61 0.0 16.1 24.1#
87 0.0 10.3 15.5#



#44
Trichloroethene
Concen: 83.026 ug/l
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU044849.D
Acq: 25 Sep 2021 20:05

Tgt Ion:130 Resp: 197148
Ion Ratio Lower Upper
130 100
95 107.5 0.0 209.0



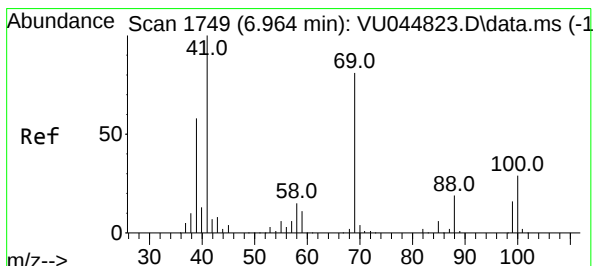
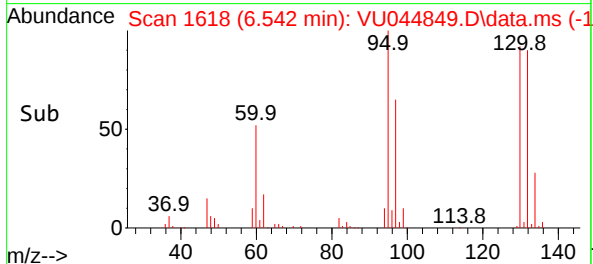
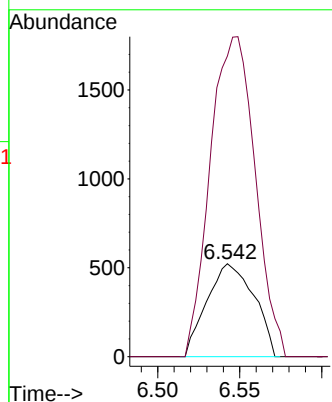
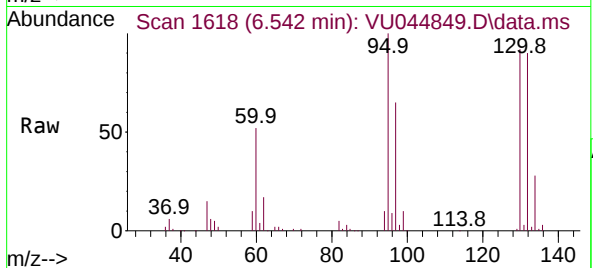


#45

1,2-Dichloropropane
Concen: 0.390 ug/l
RT: 6.542 min Scan# 1618
Delta R.T. -0.254 min
Lab File: VU044849.D
Acq: 25 Sep 2021 20:05

Instrument :
MSVOA_U
ClientSampled :
1029-MW-03A

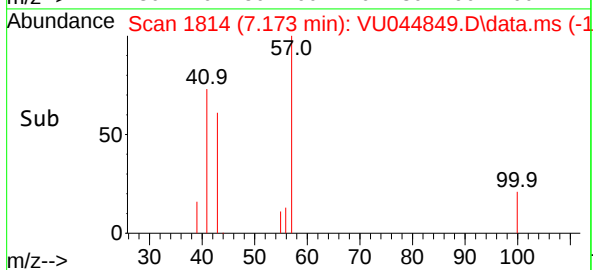
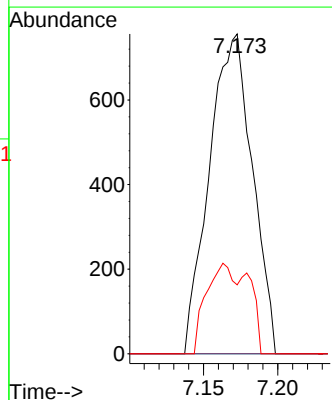
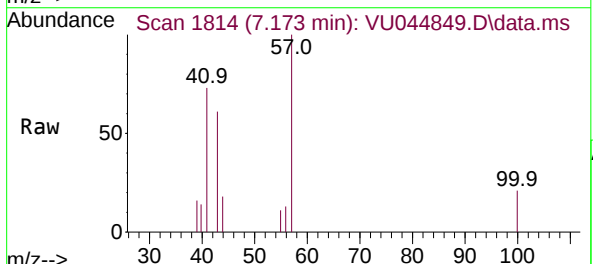
Tgt Ion: 63 Resp: 1042
Ion Ratio Lower Upper
63 100
65 323.3 23.9 35.9#

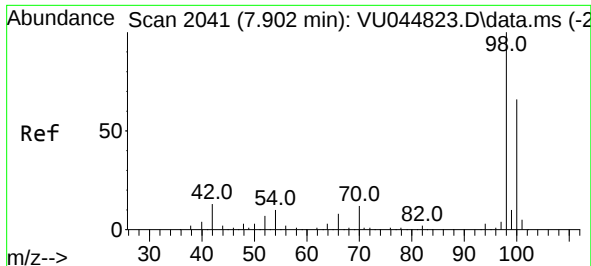


#48

Methyl methacrylate
Concen: 0.485 ug/l
RT: 7.173 min Scan# 1814
Delta R.T. 0.209 min
Lab File: VU044849.D
Acq: 25 Sep 2021 20:05

Tgt Ion: 41 Resp: 1523
Ion Ratio Lower Upper
41 100
69 0.0 65.6 98.4#
39 19.2 46.2 69.4#

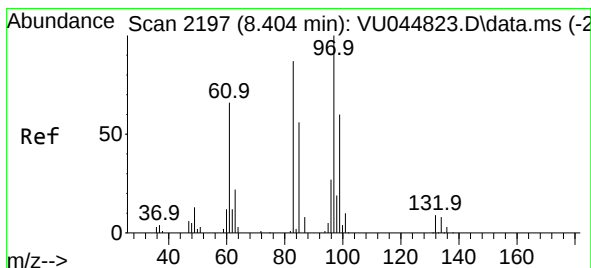
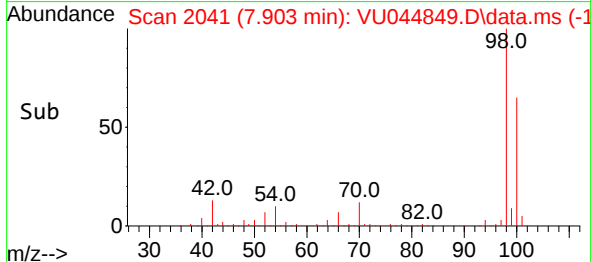
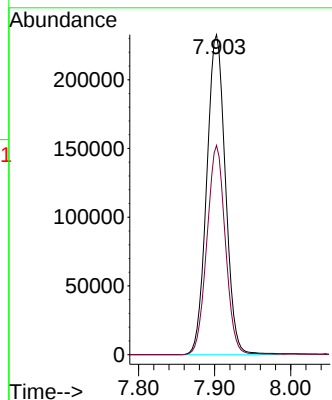
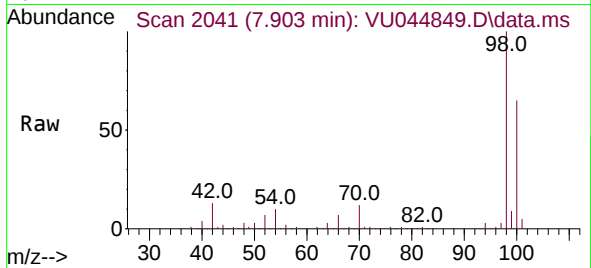




#50
Toluene-d8
Concen: 50.261 ug/l
RT: 7.903 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VU044849.D
Acq: 25 Sep 2021 20:05

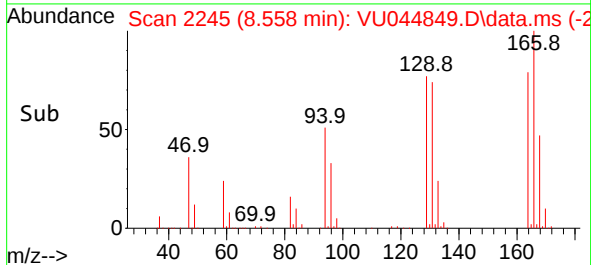
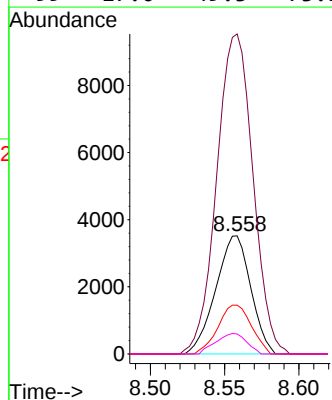
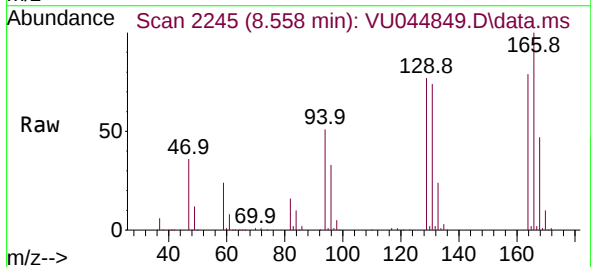
Instrument :
MSVOA_U
ClientSampleId :
1029-MW-03A

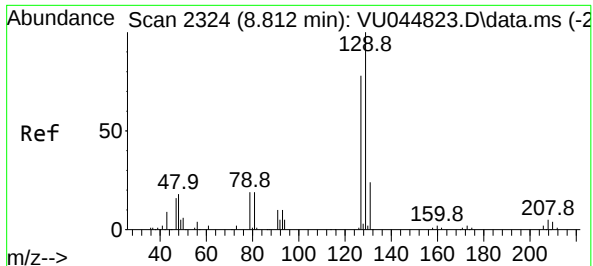
Tgt Ion: 98 Resp: 397732
Ion Ratio Lower Upper
98 100
100 64.6 52.5 78.7



#55
1,1,2-Trichloroethane
Concen: 2.280 ug/l
RT: 8.558 min Scan# 2245
Delta R.T. 0.154 min
Lab File: VU044849.D
Acq: 25 Sep 2021 20:05

Tgt Ion: 97 Resp: 5759
Ion Ratio Lower Upper
97 100
83 271.2 69.7 104.5#
85 41.4 44.8 67.2#
99 17.0 49.3 73.9#

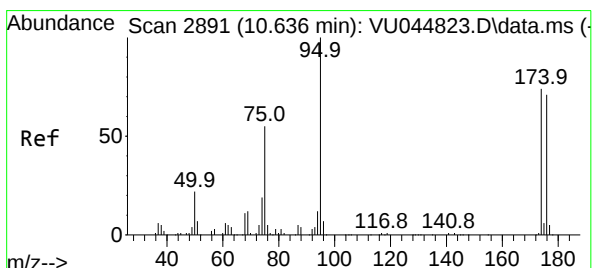
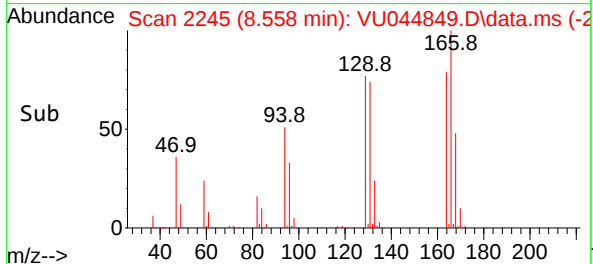
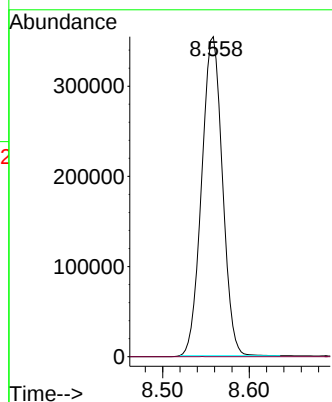
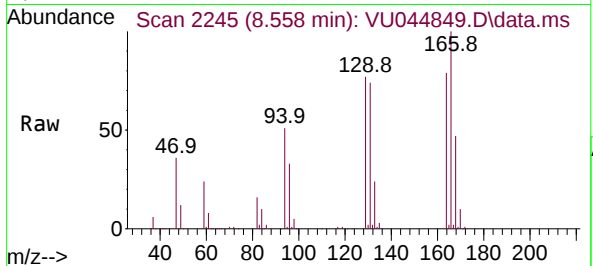




#60
Dibromochloromethane
Concen: 243.643 ug/l
RT: 8.558 min Scan# 2245
Delta R.T. -0.254 min
Lab File: VU044849.D
Acq: 25 Sep 2021 20:05

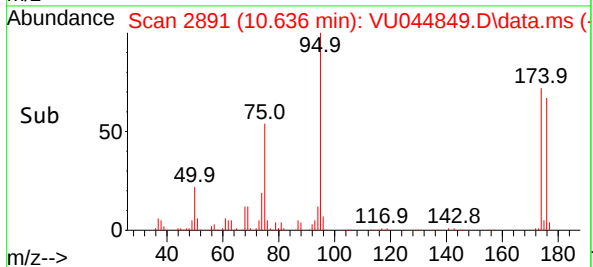
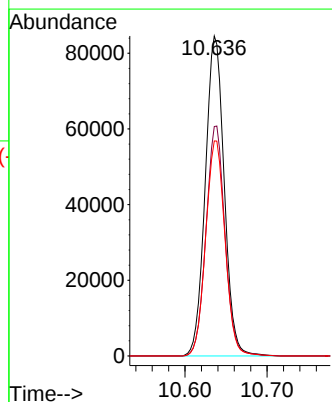
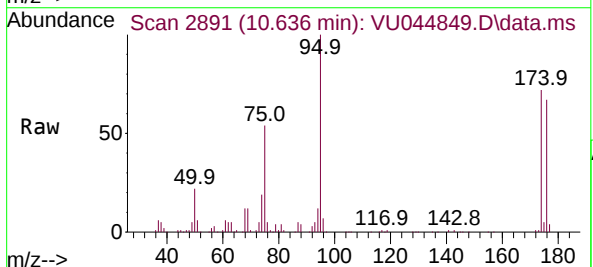
Instrument :
MSVOA_U
ClientSampleId :
1029-MW-03A

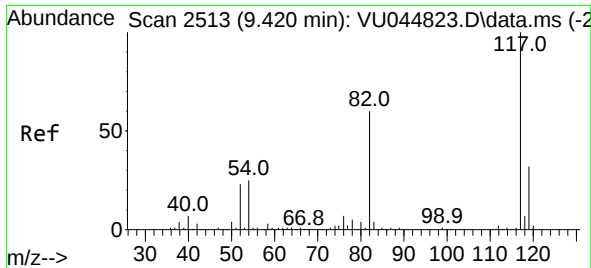
Tgt Ion:129 Resp: 589229
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#



#62
4-Bromofluorobenzene
Concen: 46.161 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.000 min
Lab File: VU044849.D
Acq: 25 Sep 2021 20:05

Tgt Ion: 95 Resp: 135674
Ion Ratio Lower Upper
95 100
174 71.7 0.0 146.6
176 68.5 0.0 141.2

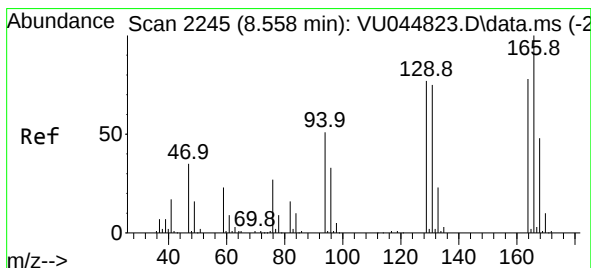
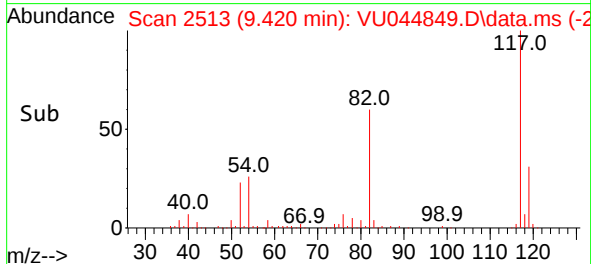
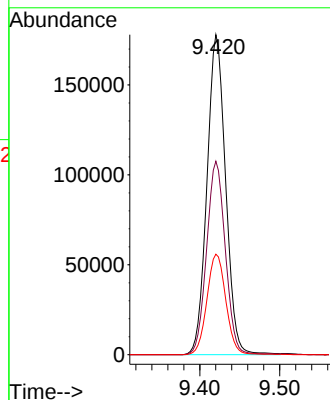
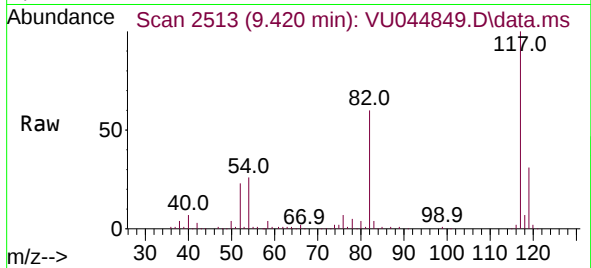




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU044849.D
Acq: 25 Sep 2021 20:05

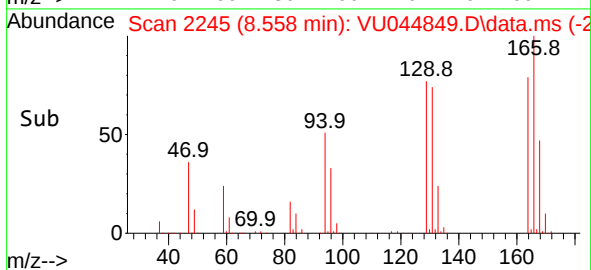
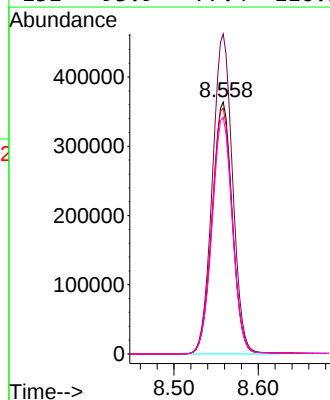
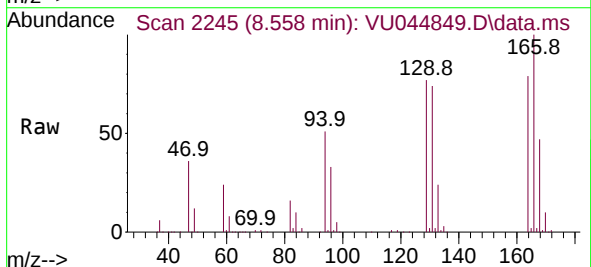
Instrument :
MSVOA_U
ClientSampleId :
1029-MW-03A

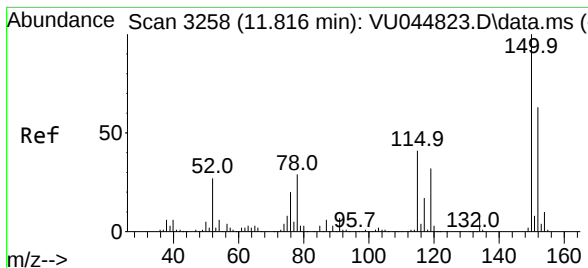
Tgt Ion:	117	Resp:	289265
Ion	Ratio	Lower	Upper
117	100		
82	60.5	47.8	71.8
119	31.4	25.8	38.6



#64
Tetrachloroethene
Concen: 307.449 ug/l
RT: 8.558 min Scan# 2245
Delta R.T. 0.000 min
Lab File: VU044849.D
Acq: 25 Sep 2021 20:05

Tgt Ion:	164	Resp:	602815
Ion	Ratio	Lower	Upper
164	100		
166	127.1	102.8	154.2
129	97.6	79.4	119.2
131	93.9	77.4	116.2

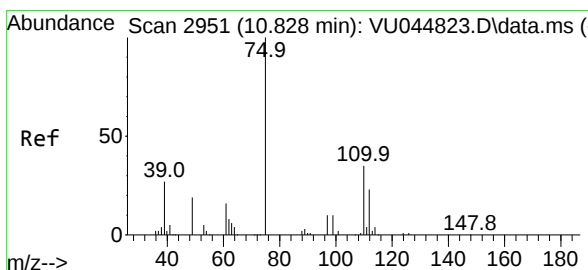
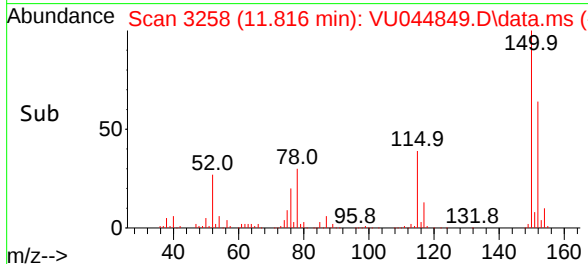
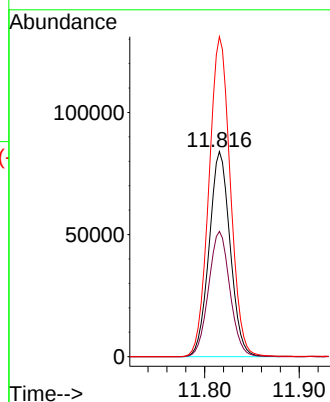
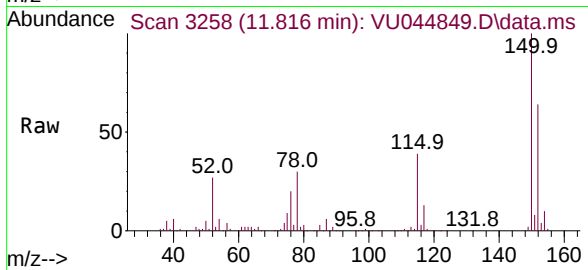




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.816 min Scan# 3258
 Delta R.T. 0.000 min
 Lab File: VU044849.D
 Acq: 25 Sep 2021 20:05

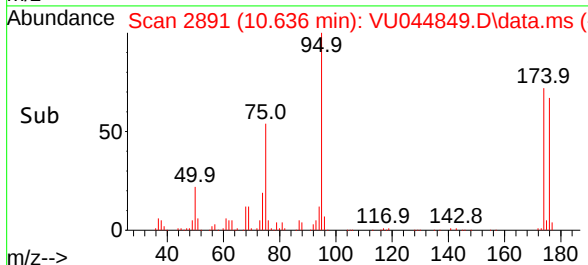
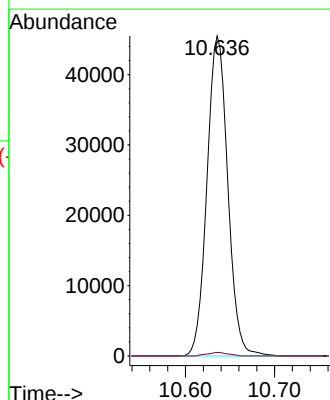
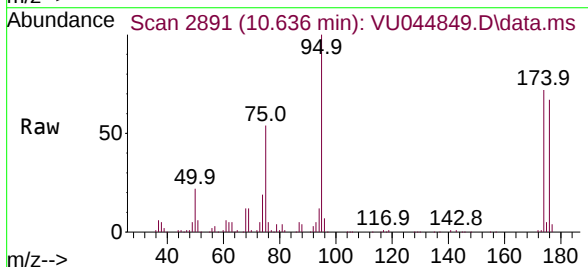
Instrument :
 MSVOA_U
 ClientSampleId :
 1029-MW-03A

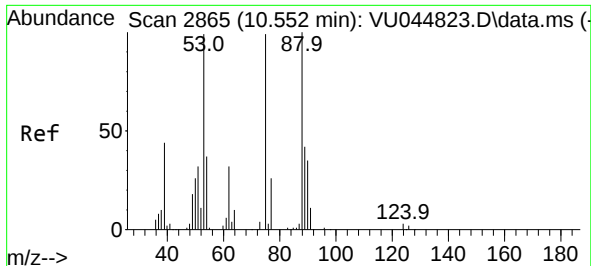
Tgt Ion:152 Resp: 129639
 Ion Ratio Lower Upper
 152 100
 115 62.1 43.5 130.7
 150 158.6 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 18.771 ug/l
 RT: 10.636 min Scan# 2891
 Delta R.T. -0.193 min
 Lab File: VU044849.D
 Acq: 25 Sep 2021 20:05

Tgt Ion: 75 Resp: 73690
 Ion Ratio Lower Upper
 75 100
 77 1.1 17.9 53.7#

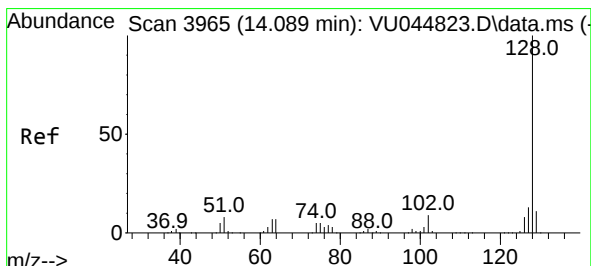
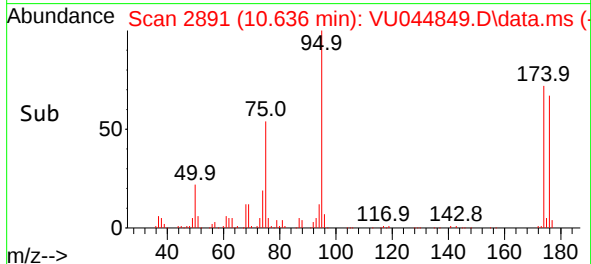
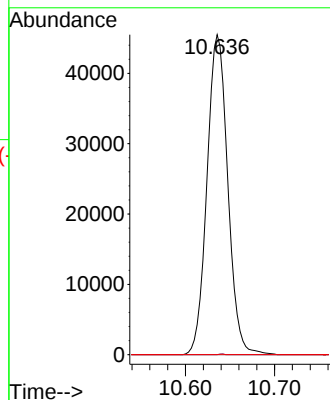
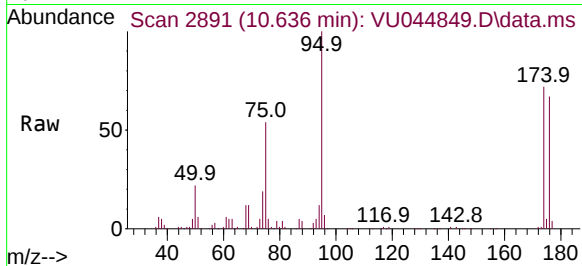




#81
trans-1,4-Dichloro-2-butene
Concen: 60.809 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.084 min
Lab File: VU044849.D
Acq: 25 Sep 2021 20:05

Instrument :
MSVOA_U
ClientSampleId :
1029-MW-03A

Tgt Ion: 75 Resp: 73690
Ion Ratio Lower Upper
75 100
53 0.1 82.0 123.0#
89 0.0 34.2 51.4#



#95
Naphthalene
Concen: 0.962 ug/l
RT: 14.098 min Scan# 3968
Delta R.T. 0.009 min
Lab File: VU044849.D
Acq: 25 Sep 2021 20:05

Tgt Ion:128 Resp: 187
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.6 13.0#

