

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
 Data File : VW021074.D
 Acq On : 03 Dec 2021 19:16
 Operator : SY/VA
 Sample : M4881-19RE
 Misc : 3.03g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 04 01:41:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Dec 04 01:31:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.847	114	53018	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.633	117	21486	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	4162	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.348	65	21376	28.938	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 115.760%	
7) Chloroethane-d5	2.885	69	16107	32.573	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 130.280%	
11) 1,1-Dichloroethene-d2	4.019	63	22060	18.694	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 74.760%	
21) 2-Butanone-d5	7.091	46	9664	57.357	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	= 114.720%	
24) Chloroform-d	7.646	84	40784	30.716	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 122.880%	
26) 1,2-Dichloroethane-d4	8.311	65	19513	26.863	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 107.440%	
32) Benzene-d6	8.274	84	61366	55.858	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 223.440%#	
36) 1,2-Dichloropropane-d6	9.274	67	21371	70.000	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 280.000%#	
41) Toluene-d8	10.323	98	36787	32.657	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 130.640%#	
43) trans-1,3-Dichloroprop...	10.579	79	3229	23.293	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 93.160%	
47) 2-Hexanone-d5	10.926	63	4858	83.169	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 166.340%#	
56) 1,1,2,2-Tetrachloroeth...	12.694	84	10451	37.002	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 148.000%#	
66) 1,2-Dichlorobenzene-d4	13.852	152	3238	21.713	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 86.840%	
Target Compounds						
					Qvalue	
13) Acetone	4.171	43	681	4.437	ug/L	62
14) Carbon disulfide	4.379	76	4451	2.330	ug/L	97
16) Methylene chloride	4.915	84	3365	4.029	ug/L	82
22) 2-Butanone	7.159	43	1304	6.139	ug/L #	52
27) 1,2-Dichloroethane	8.402	62	2644	3.099	ug/L #	94
29) Cyclohexane	7.951	56	805	1.698	ug/L #	63
33) Benzene	8.323	78	1422	1.164	ug/L	100
34) Trichloroethene	9.091	95	12090	35.867	ug/L	92
35) Methylcyclohexane	9.335	83	2715	4.785	ug/L	89
37) 1,2-Dichloropropane	9.274	63	2758	9.987	ug/L #	88
39) cis-1,3-Dichloropropene	10.042	75	435	0.974	ug/L #	64
42) Toluene	10.384	91	6385	4.575	ug/L	91
45) 1,1,2-Trichloroethane	10.768	97	448	1.935	ug/L #	14
46) Tetrachloroethene	10.865	164	25522	82.685	ug/L	98
48) 2-Hexanone	10.920	43	372	2.741	ug/L #	56
49) Dibromochloromethane	10.859	129	21786	75.289	ug/L #	10
52) Ethylbenzene	11.731	91	1264	0.805	ug/L	92
53) m,p-Xylene	11.835	106	1819	2.799	ug/L	72
54) o-Xylene	12.170	106	1052	1.717	ug/L	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
 Data File : VW021074.D
 Acq On : 03 Dec 2021 19:16
 Operator : SY/VA
 Sample : M4881-19RE
 Misc : 3.03g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 04 01:41:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Dec 04 01:31:24 2021
 Response via : Initial Calibration

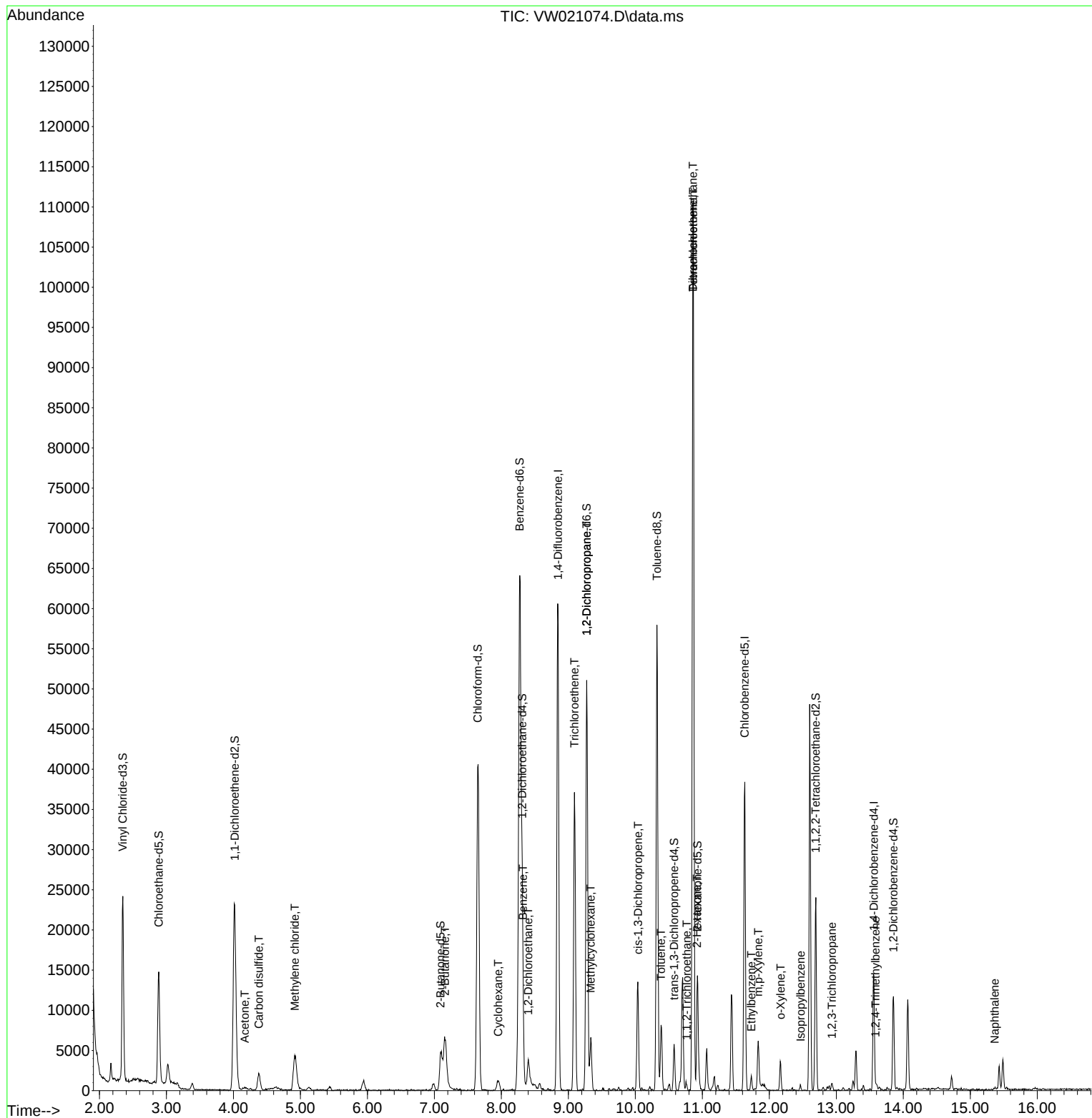
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) Isopropylbenzene	12.469	105	547	0.946	ug/L #	88
61) 1,2,3-Trichloropropane	12.932	75	110	1.578	ug/L #	40
63) 1,2,4-Trimethylbenzene	13.584	105	354	0.727	ug/L	94
71) Naphthalene	15.364	128	412	1.347	ug/L #	69

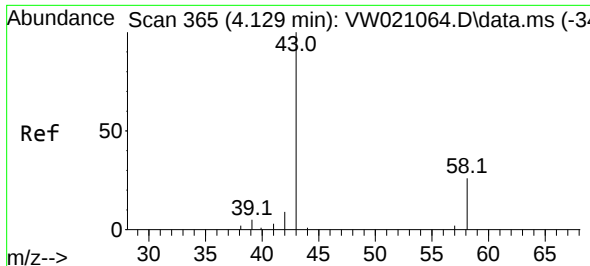
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
Data File : VW021074.D
Acq On : 03 Dec 2021 19:16
Operator : SY/VA
Sample : M4881-19RE
Misc : 3.03g/10.0mL/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Dec 04 01:41:04 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Dec 04 01:31:24 2021
Response via : Initial Calibration





#13

Acetone

Concen: 4.437 ug/L

RT: 4.171 min Scan# 3

Delta R.T. 0.042 min

Lab File: VW021074.D

Acq: 03 Dec 2021 19:16

Instrument :

MSVOA_W

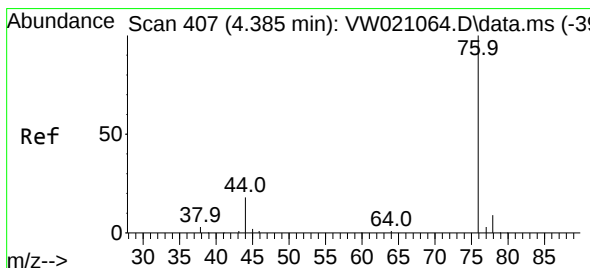
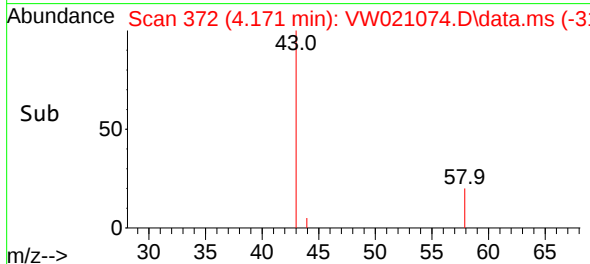
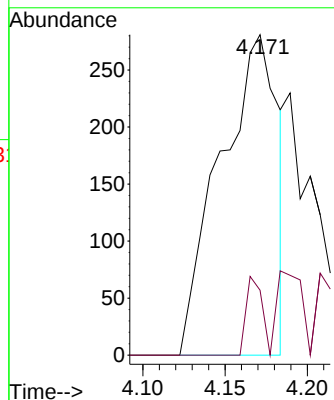
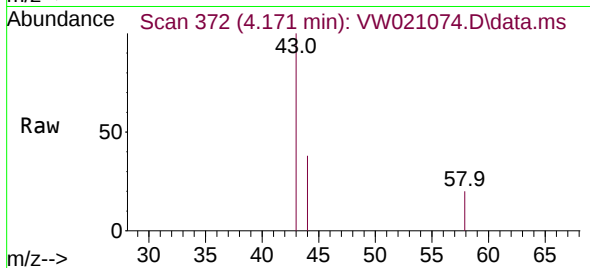
ClientSampleId :

Tgt Ion: 43 Resp: 681

Ion Ratio Lower Upper

43 100

58 6.8 0.0 52.8



#14

Carbon disulfide

Concen: 2.330 ug/L

RT: 4.379 min Scan# 406

Delta R.T. -0.007 min

Lab File: VW021074.D

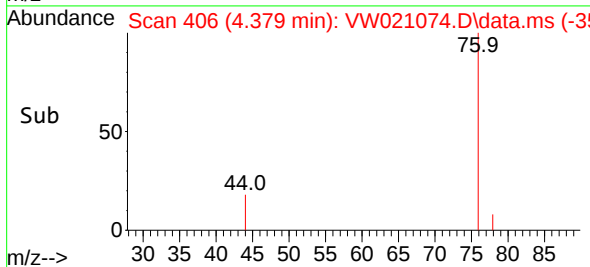
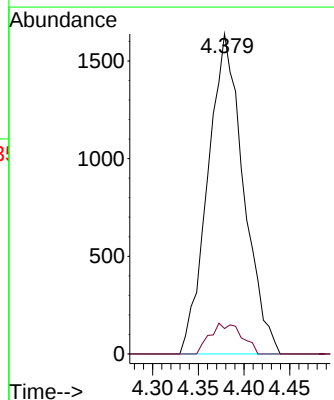
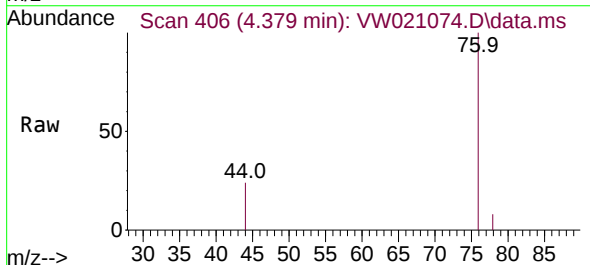
Acq: 03 Dec 2021 19:16

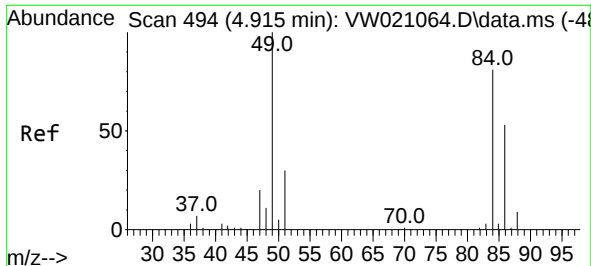
Tgt Ion: 76 Resp: 4451

Ion Ratio Lower Upper

76 100

78 7.9 7.1 10.7

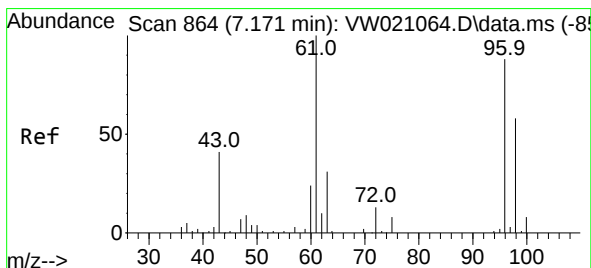
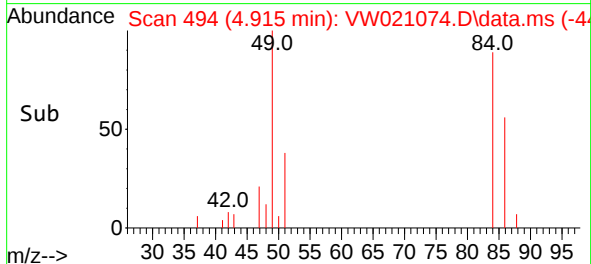
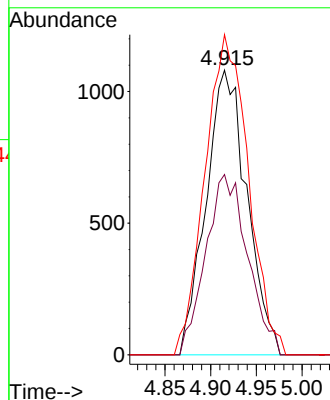
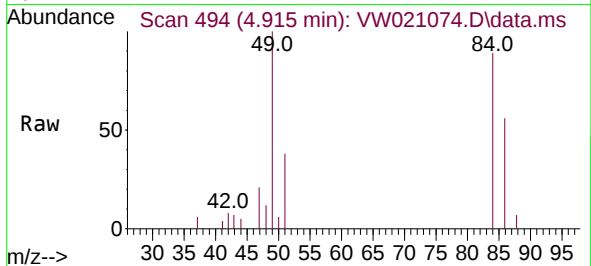




#16
Methylene chloride
Concen: 4.029 ug/L
RT: 4.915 min Scan# 494
Delta R.T. -0.000 min
Lab File: VW021074.D
Acq: 03 Dec 2021 19:16

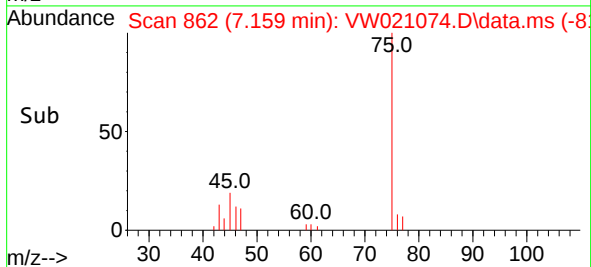
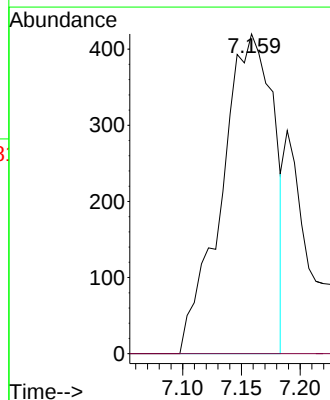
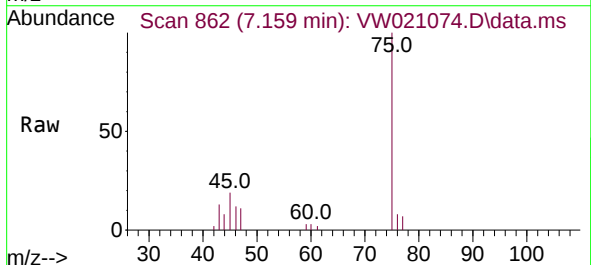
Instrument :
MSVOA_W
ClientSampleId :

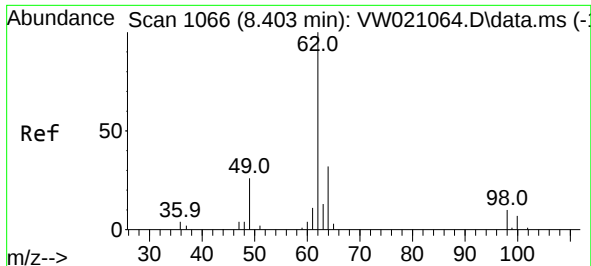
Tgt Ion: 84 Resp: 3365
Ion Ratio Lower Upper
84 100
86 63.4 45.5 84.5
49 112.5 100.5 186.7



#22
2-Butanone
Concen: 6.139 ug/L
RT: 7.159 min Scan# 862
Delta R.T. -0.013 min
Lab File: VW021074.D
Acq: 03 Dec 2021 19:16

Tgt Ion: 43 Resp: 1304
Ion Ratio Lower Upper
43 100
72 0.0 11.8 35.4#





#27

1,2-Dichloroethane

Concen: 3.099 ug/L

RT: 8.402 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VW021074.D

Acq: 03 Dec 2021 19:16

Instrument :

MSVOA_W

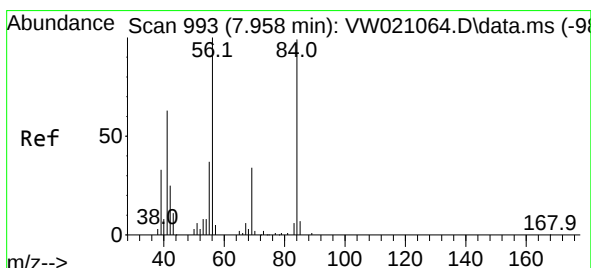
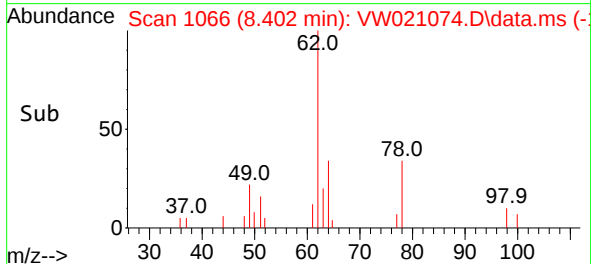
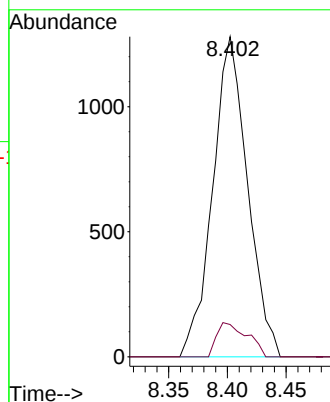
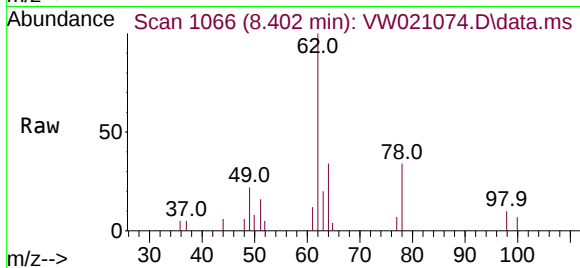
ClientSampleId :

Tgt Ion: 62 Resp: 2644

Ion Ratio Lower Upper

62 100

98 10.1 6.5 9.7#



#29

Cyclohexane

Concen: 1.698 ug/L

RT: 7.951 min Scan# 992

Delta R.T. -0.007 min

Lab File: VW021074.D

Acq: 03 Dec 2021 19:16

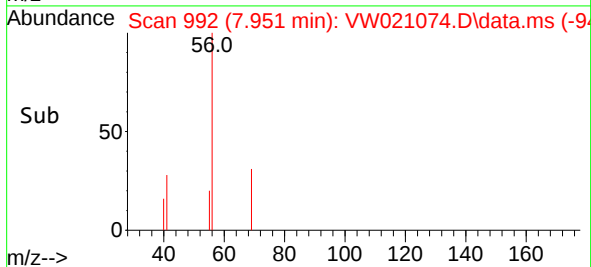
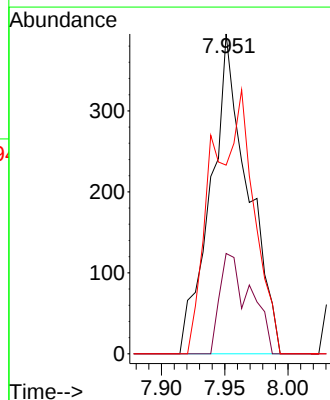
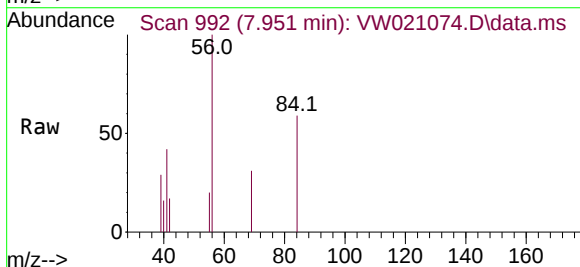
Tgt Ion: 56 Resp: 805

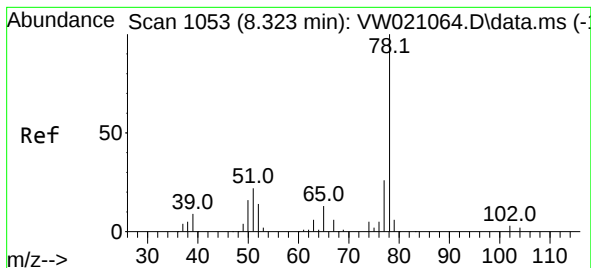
Ion Ratio Lower Upper

56 100

69 16.5 23.5 35.3#

84 42.6 63.4 95.2#





#33

Benzene

Concen: 1.164 ug/L

RT: 8.323 min Scan# 1053

Delta R.T. -0.000 min

Lab File: VW021074.D

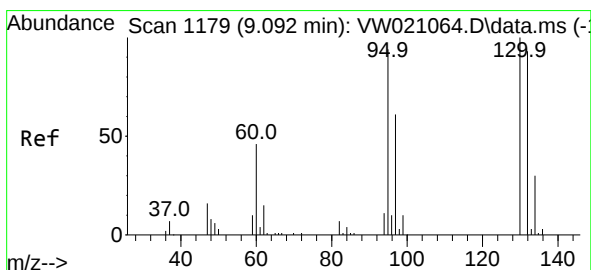
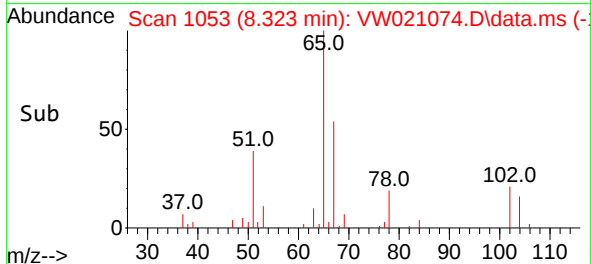
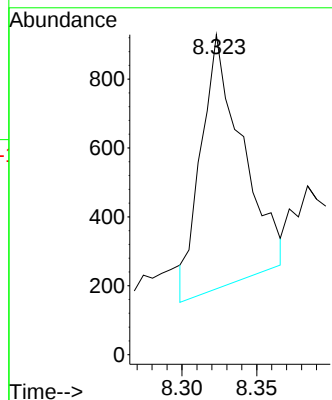
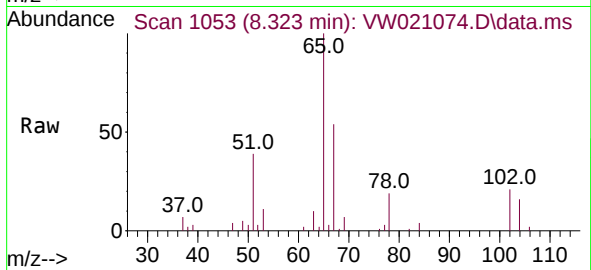
Acq: 03 Dec 2021 19:16

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 78 Resp: 1422



#34

Trichloroethene

Concen: 35.867 ug/L

RT: 9.091 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VW021074.D

Acq: 03 Dec 2021 19:16

Tgt Ion: 95 Resp: 12090

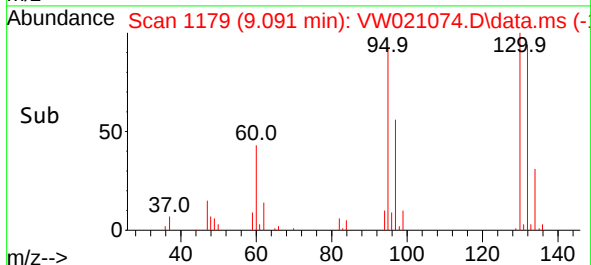
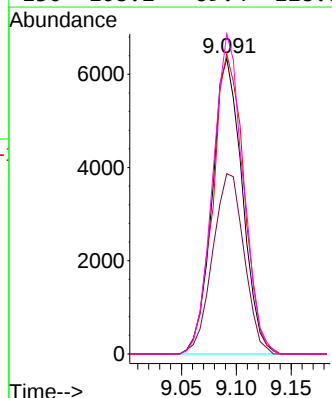
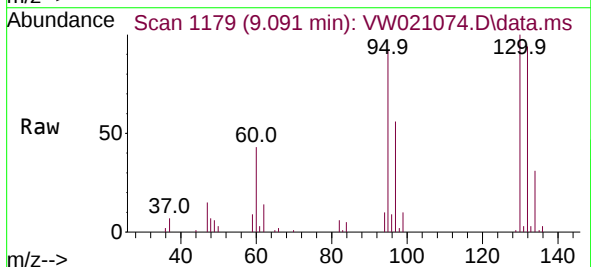
Ion Ratio Lower Upper

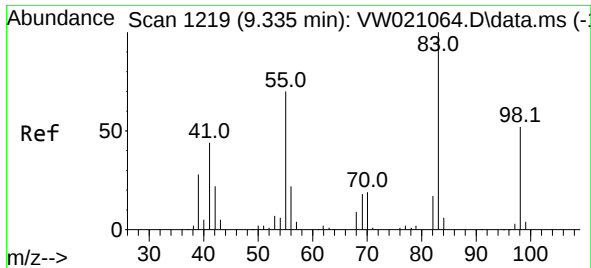
95 100

97 61.0 47.0 87.2

132 101.5 65.5 121.6

130 108.2 69.4 128.8

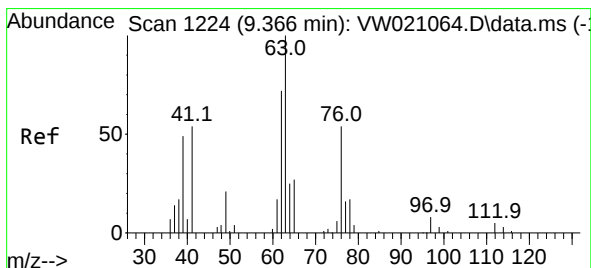
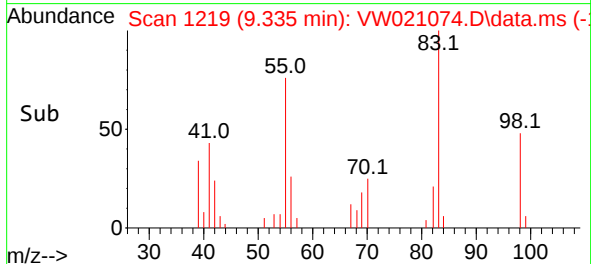
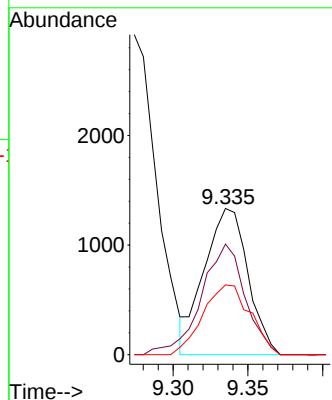
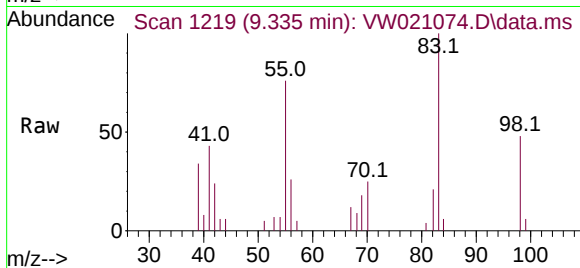




#35
Methylcyclohexane
Concen: 4.785 ug/L
RT: 9.335 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021074.D
Acq: 03 Dec 2021 19:16

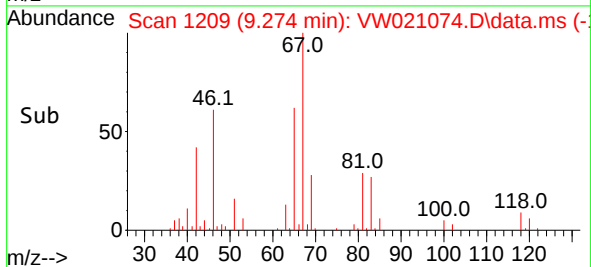
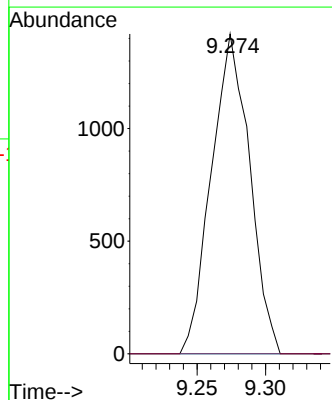
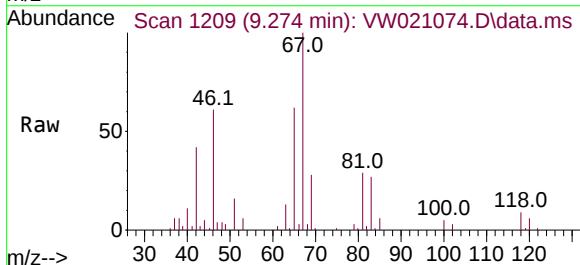
Instrument :
MSVOA_W
ClientSampleId :

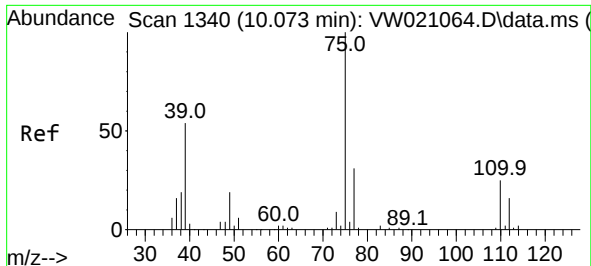
Tgt Ion: 83 Resp: 2715
Ion Ratio Lower Upper
83 100
55 75.8 70.8 106.2
98 51.4 37.7 56.5



#37
1,2-Dichloropropane
Concen: 9.987 ug/L
RT: 9.274 min Scan# 1209
Delta R.T. -0.092 min
Lab File: VW021074.D
Acq: 03 Dec 2021 19:16

Tgt Ion: 63 Resp: 2758
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.974 ug/L

RT: 10.042 min Scan# 11

Delta R.T. -0.031 min

Lab File: VW021074.D

Acq: 03 Dec 2021 19:16

Instrument :

MSVOA_W

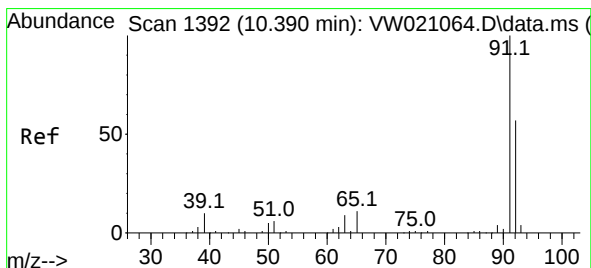
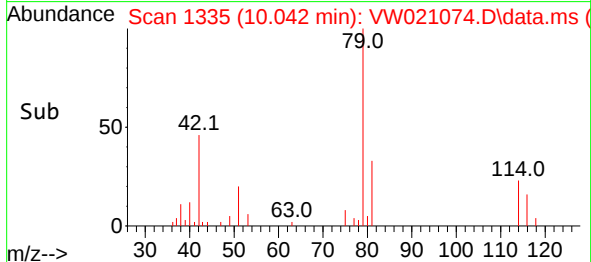
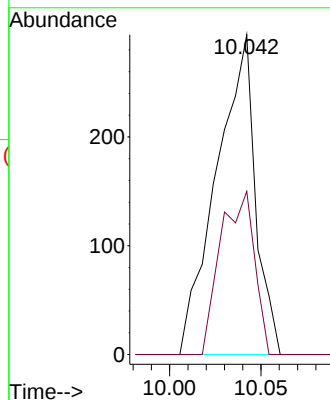
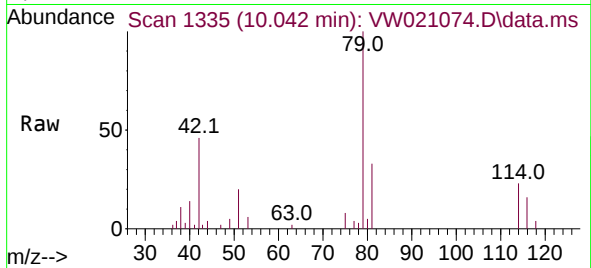
ClientSampleId :

Tgt Ion: 75 Resp: 435

Ion Ratio Lower Upper

75 100

77 51.0 21.8 40.6#



#42

Toluene

Concen: 4.575 ug/L

RT: 10.384 min Scan# 1391

Delta R.T. -0.007 min

Lab File: VW021074.D

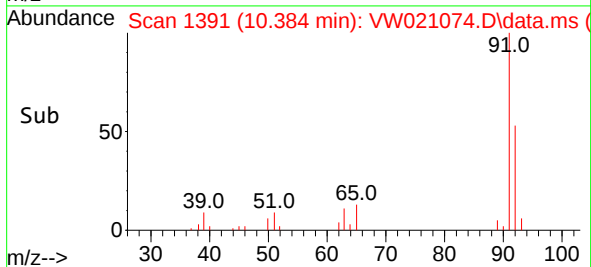
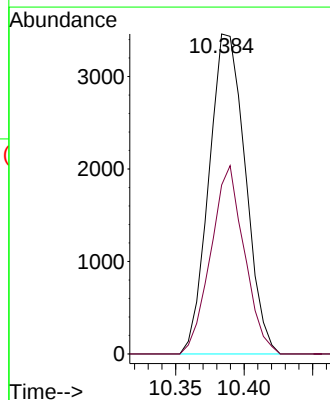
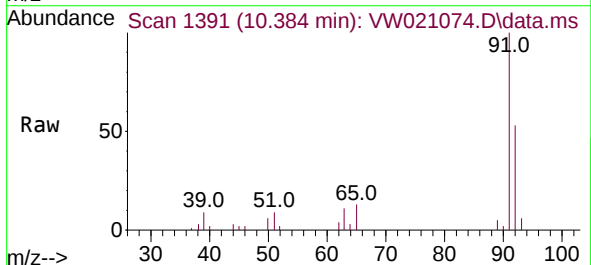
Acq: 03 Dec 2021 19:16

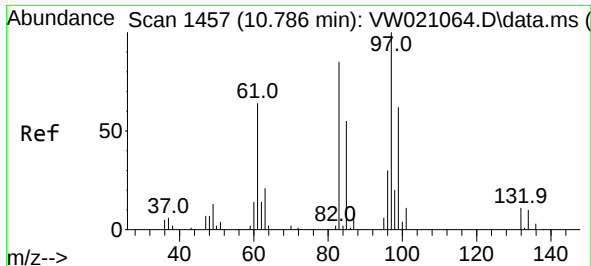
Tgt Ion: 91 Resp: 6385

Ion Ratio Lower Upper

91 100

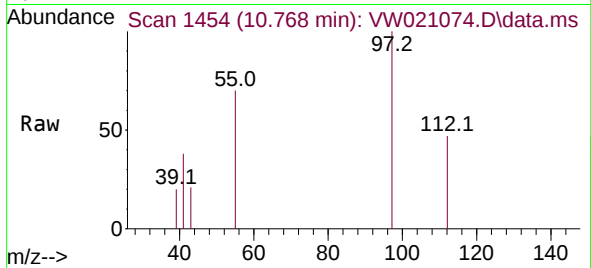
92 52.8 41.7 77.5



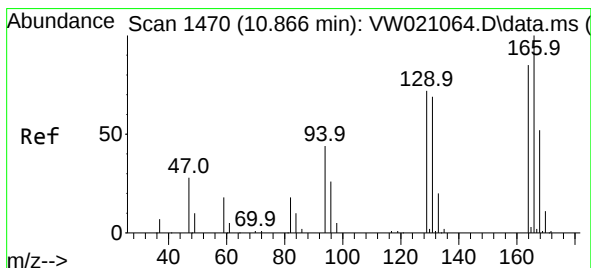
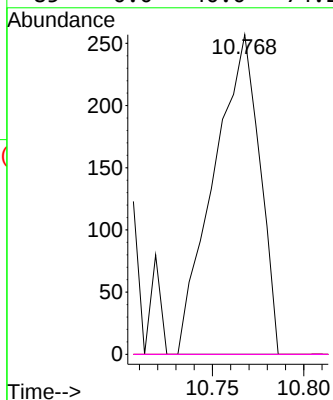
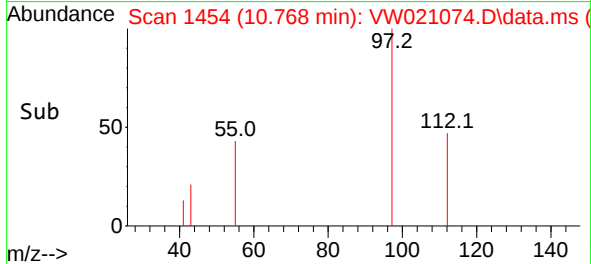


#45
1,1,2-Trichloroethane
Concen: 1.935 ug/L
RT: 10.768 min Scan# 1454
Delta R.T. -0.019 min
Lab File: VW021074.D
Acq: 03 Dec 2021 19:16

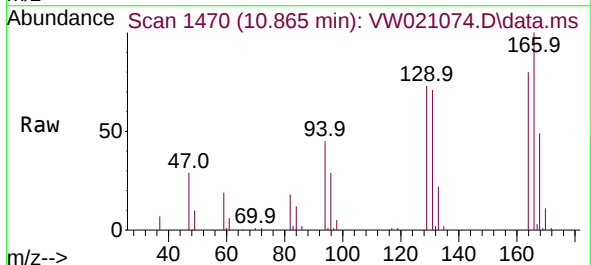
Instrument :
MSVOA_W
ClientSampleId :



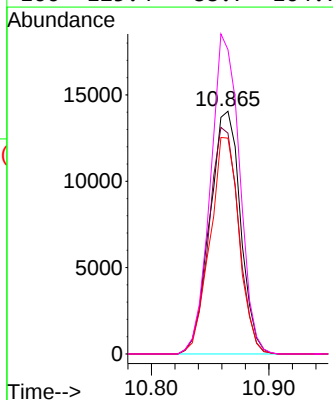
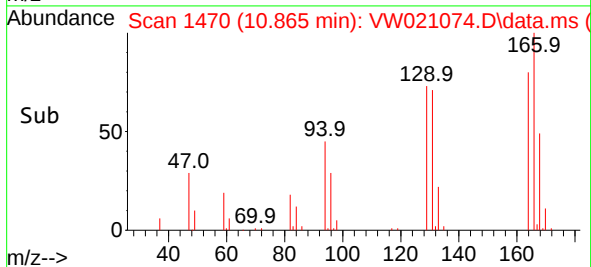
Tgt Ion: 97	Resp: 448
Ion Ratio	Lower Upper
97 100	
99 0.0	43.0 79.8#
83 0.0	62.6 116.3#
85 0.0	40.0 74.2#

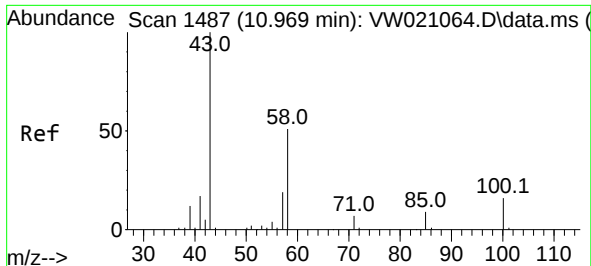


#46
Tetrachloroethene
Concen: 82.685 ug/L
RT: 10.865 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VW021074.D
Acq: 03 Dec 2021 19:16



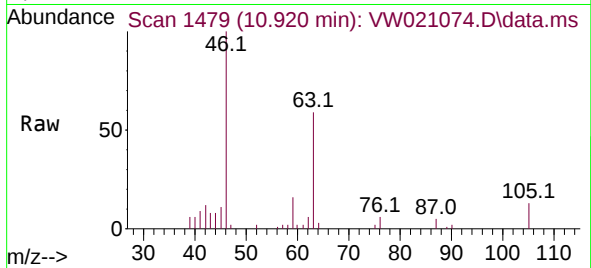
Tgt	Ion:164	Resp:	25522
Ion	Ratio	Lower	Upper
164	100		
129	90.9	65.5	121.7
131	89.0	59.7	110.9
166	125.4	88.7	164.7



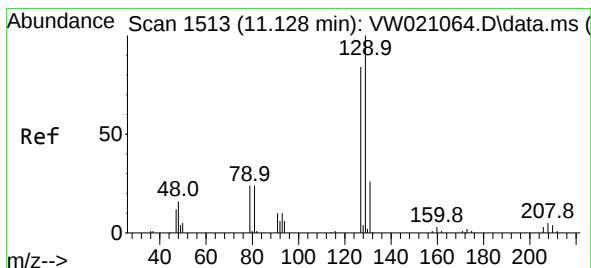
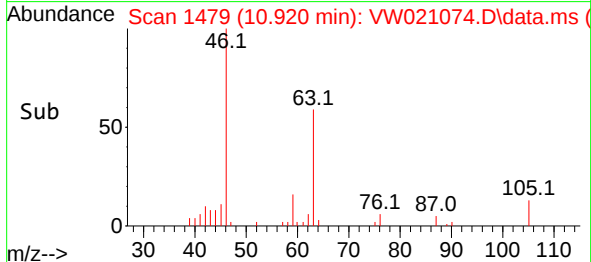
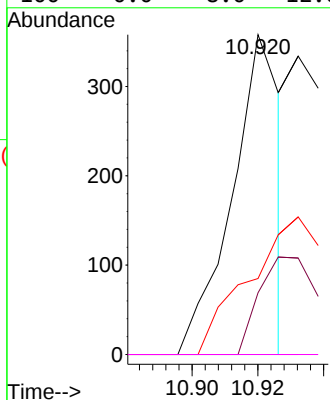


#48
2-Hexanone
Concen: 2.741 ug/L
RT: 10.920 min Scan# 1487
Delta R.T. -0.049 min
Lab File: VW021074.D
Acq: 03 Dec 2021 19:16

Instrument :
MSVOA_W
ClientSampleId :

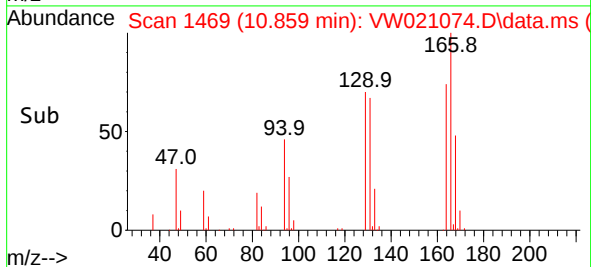
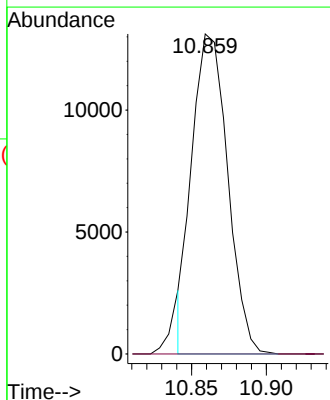
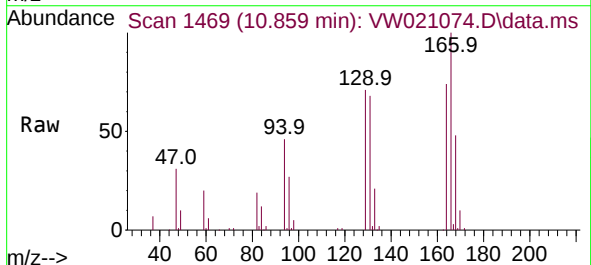


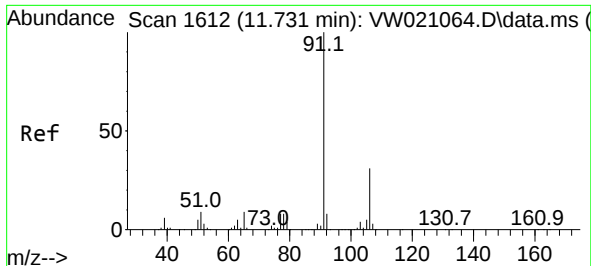
Tgt Ion: 43 Resp: 372
Ion Ratio Lower Upper
43 100
58 34.4 40.2 60.2#
57 66.9 14.3 21.5#
100 0.0 8.0 12.0#



#49
Dibromochloromethane
Concen: 75.289 ug/L
RT: 10.859 min Scan# 1469
Delta R.T. -0.269 min
Lab File: VW021074.D
Acq: 03 Dec 2021 19:16

Tgt Ion: 129 Resp: 21786
Ion Ratio Lower Upper
129 100
127 0.0 55.7 103.5#

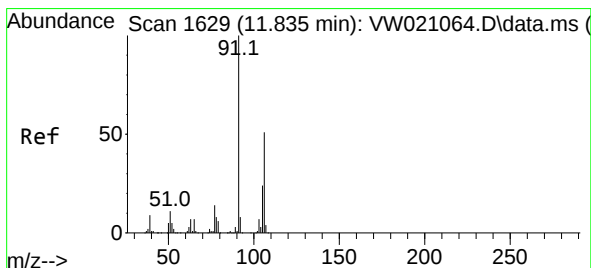
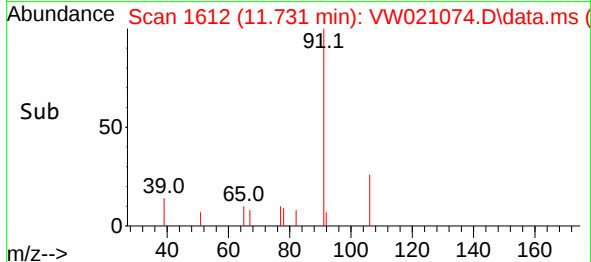
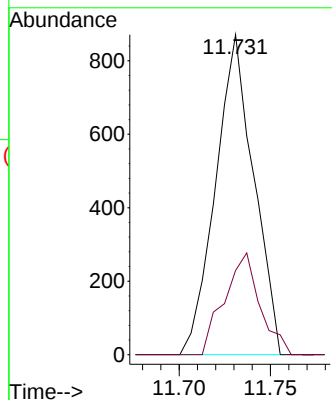
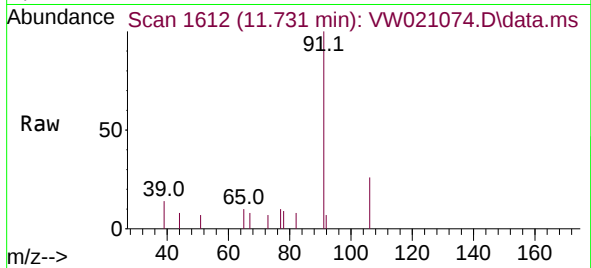




#52
Ethylbenzene
Concen: 0.805 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW021074.D
Acq: 03 Dec 2021 19:16

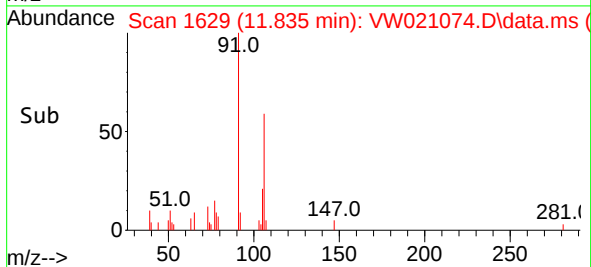
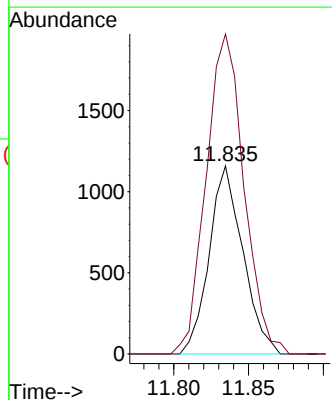
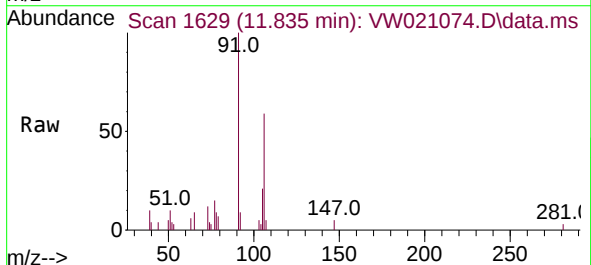
Instrument :
MSVOA_W
ClientSampleId :

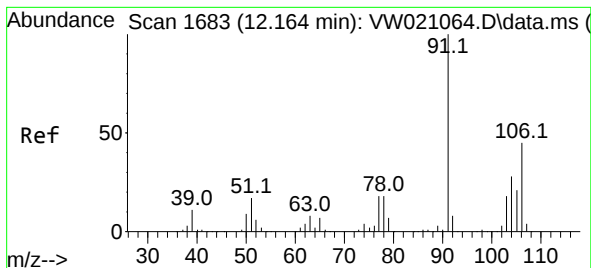
Tgt Ion: 91 Resp: 1264
Ion Ratio Lower Upper
91 100
106 26.3 21.5 39.9



#53
m,p-Xylene
Concen: 2.799 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VW021074.D
Acq: 03 Dec 2021 19:16

Tgt Ion: 106 Resp: 1819
Ion Ratio Lower Upper
106 100
91 170.1 149.9 278.3





#54

o-Xylene

Concen: 1.717 ug/L

RT: 12.170 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW021074.D

Acq: 03 Dec 2021 19:16

Instrument :

MSVOA_W

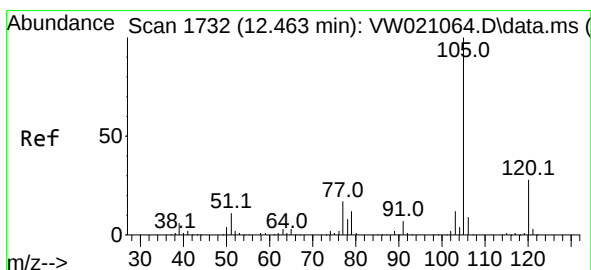
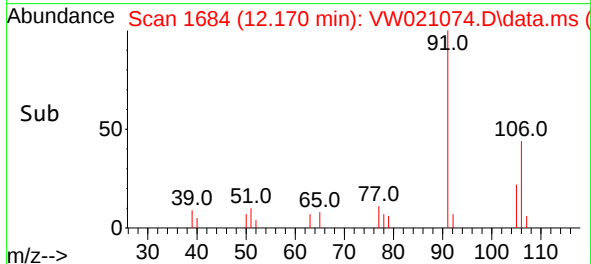
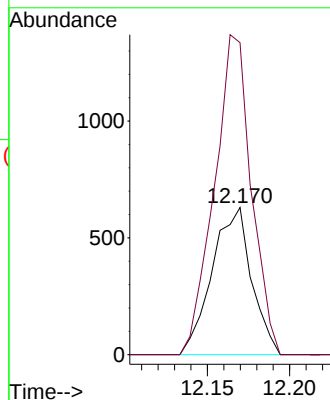
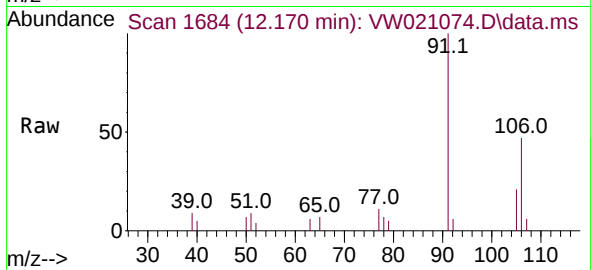
ClientSampleId :

Tgt Ion:106 Resp: 1052

Ion Ratio Lower Upper

106 100

91 212.1 153.6 285.3



#60

Isopropylbenzene

Concen: 0.946 ug/L

RT: 12.469 min Scan# 1733

Delta R.T. 0.006 min

Lab File: VW021074.D

Acq: 03 Dec 2021 19:16

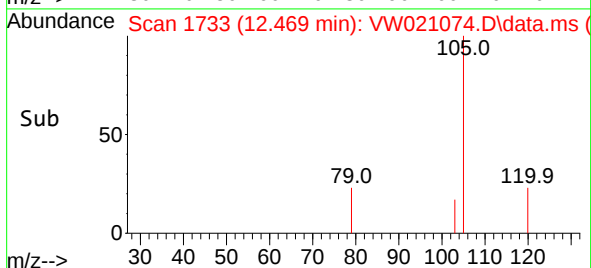
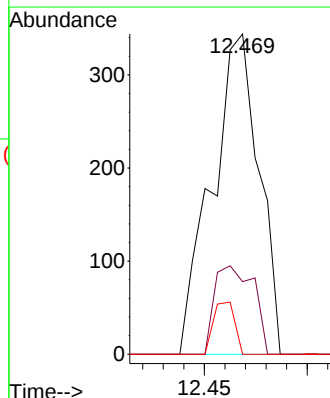
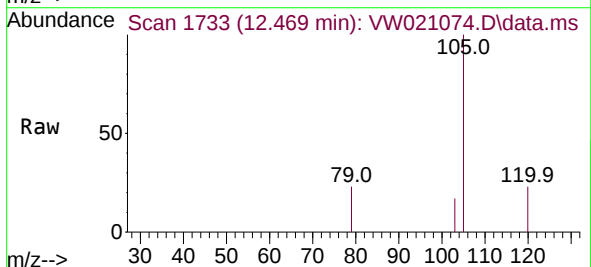
Tgt Ion:105 Resp: 547

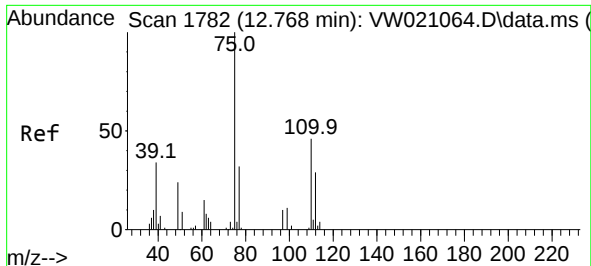
Ion Ratio Lower Upper

105 100

120 22.9 20.1 30.1

77 7.3 13.8 20.8#





#61

1,2,3-Trichloropropane

Concen: 1.578 ug/L

RT: 12.932 min Scan# 110

Delta R.T. 0.164 min

Lab File: VW021074.D

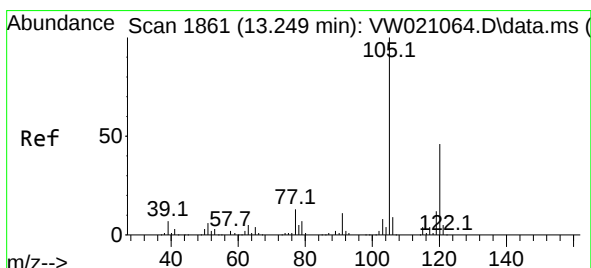
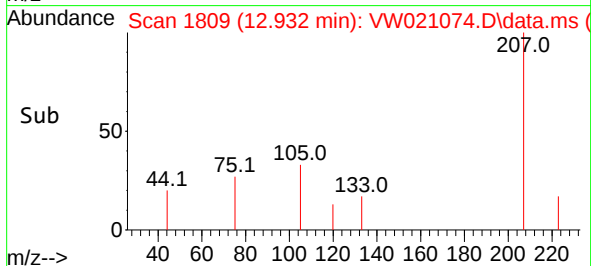
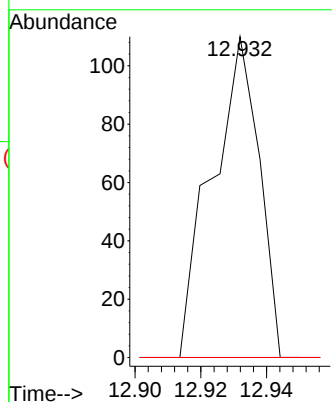
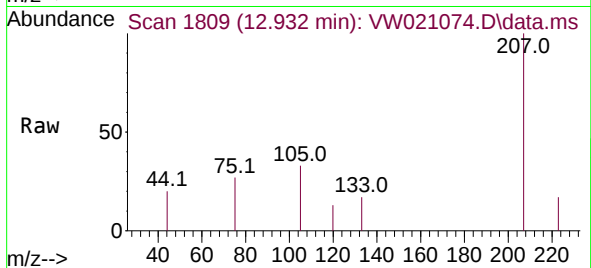
Acq: 03 Dec 2021 19:16

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 75	Resp:	110
Ion Ratio	Lower	Upper
75	100	
77	0.0	25.8 38.8#
110	0.0	29.0 43.4#



#63

1,2,4-Trimethylbenzene

Concen: 0.727 ug/L

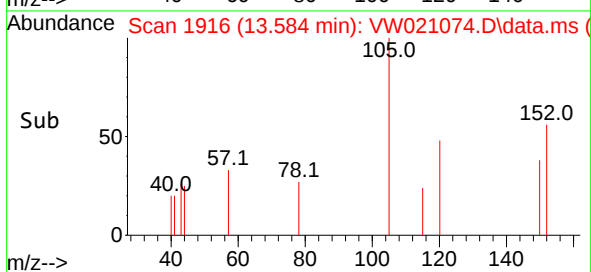
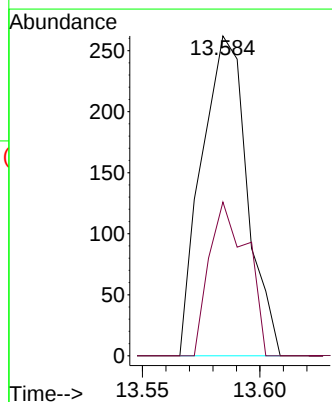
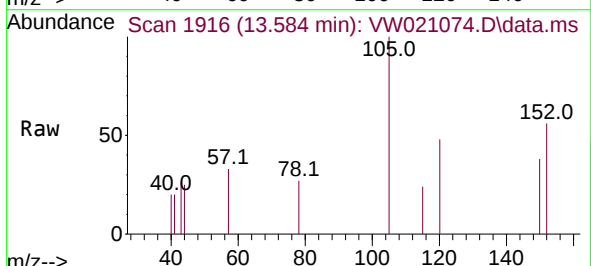
RT: 13.584 min Scan# 1916

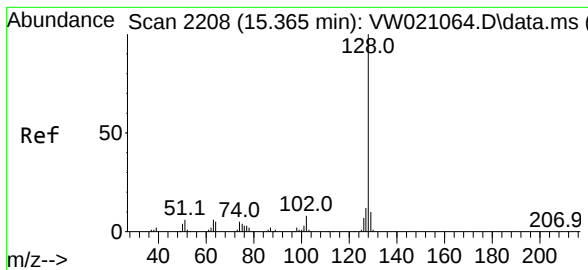
Delta R.T. 0.335 min

Lab File: VW021074.D

Acq: 03 Dec 2021 19:16

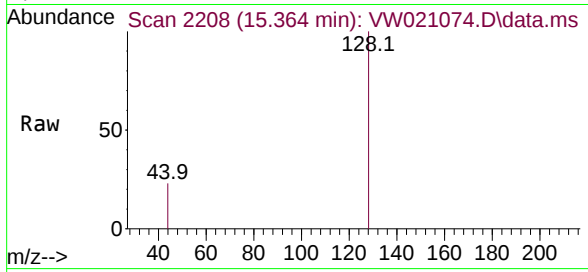
Tgt Ion: 105	Resp:	354
Ion Ratio	Lower	Upper
105	100	
120	40.1	35.0 52.6





#71
 Naphthalene
 Concen: 1.347 ug/L
 RT: 15.364 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW021074.D
 Acq: 03 Dec 2021 19:16

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:	128	Resp:	412
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	8.6	12.8#

