

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120421\
 Data File : VY006952.D
 Acq On : 04 Dec 2021 19:05
 Operator : SY/MD
 Sample : M4884-22
 Misc : 2.84g/10.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EW9K6

Quant Time: Dec 05 06:09:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYLEM120321SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 04 02:26:29 2021
 Response via : Initial Calibration

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

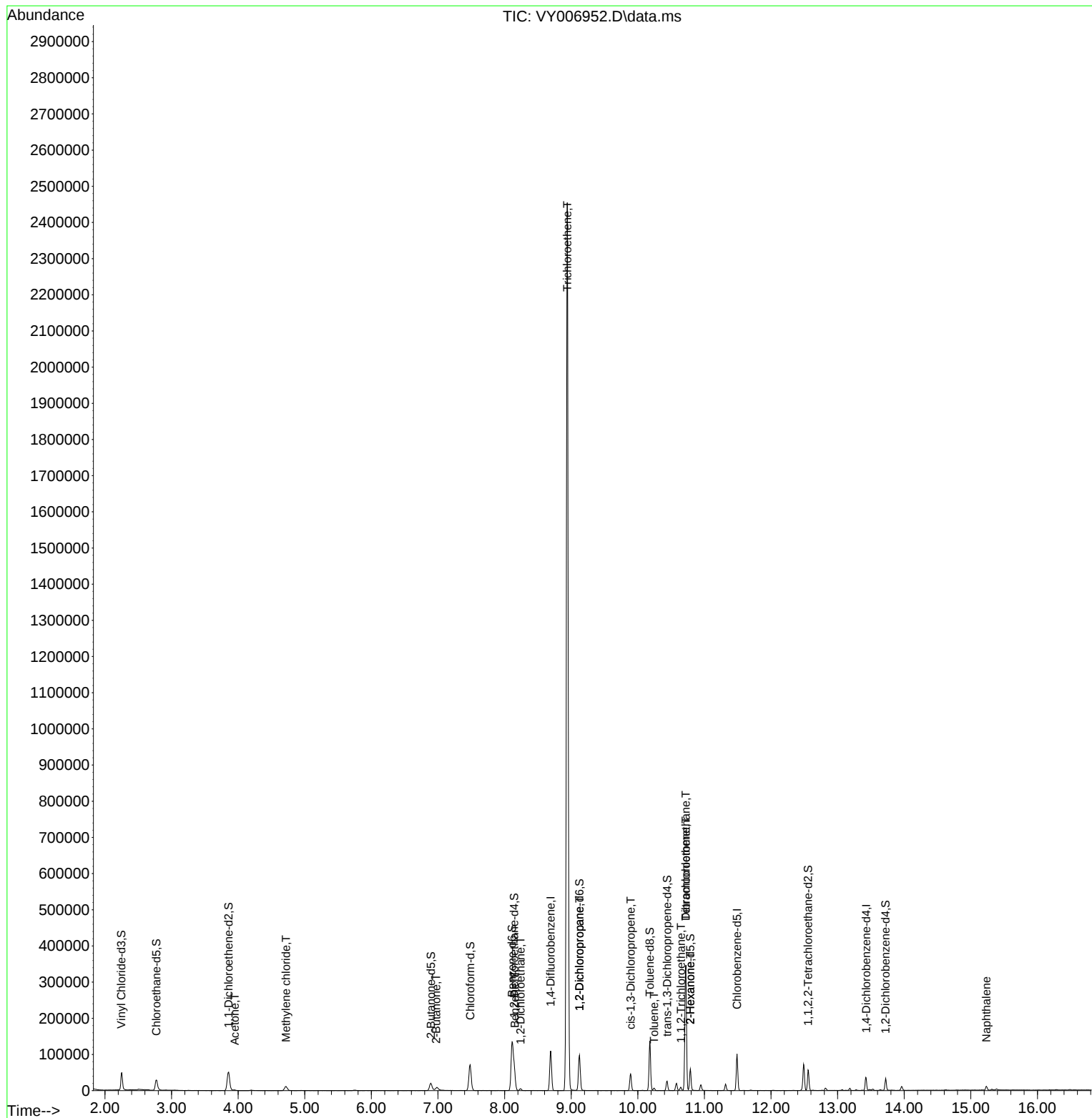
Internal Standards						
1) 1,4-Difluorobenzene	8.691	114	85641	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.490	117	48877	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	9090	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	51772	46.938	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	187.760%#
7) Chloroethane-d5	2.772	69	37146	42.931	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	171.720%#
11) 1,1-Dichloroethene-d2	3.857	63	52496	22.894	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.560%
21) 2-Butanone-d5	6.893	46	36834	86.462	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	172.920%#
24) Chloroform-d	7.484	84	68515	32.102	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	128.400%
26) 1,2-Dichloroethane-d4	8.143	65	43193	33.716	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	134.880%#
32) Benzene-d6	8.112	84	125061	48.169	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	192.680%#
36) 1,2-Dichloropropane-d6	9.124	67	45207	55.417	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	221.680%#
41) Toluene-d8	10.179	98	82178	33.794	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	135.160%#
43) trans-1,3-Dichloroprop...	10.441	79	13837	35.069	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	140.280%#
47) 2-Hexanone-d5	10.788	63	18277	96.805	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	193.620%#
56) 1,1,2,2-Tetrachloroeth...	12.556	84	27772	40.864	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	163.440%#
66) 1,2-Dichlorobenzene-d4	13.721	152	7580	25.571	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.280%
Target Compounds						Qvalue
13) Acetone	3.948	43	2963	7.589	ug/L	74
16) Methylene chloride	4.716	84	7165	4.665	ug/L	84
22) 2-Butanone	6.972	43	1431	2.620	ug/L #	72
27) 1,2-Dichloroethane	8.240	62	4313	2.542	ug/L #	89
33) Benzene	8.155	78	3825	1.164	ug/L	100
34) Trichloroethene	8.941	95	782623	966.932	ug/L	93
37) 1,2-Dichloropropane	9.124	63	5335	6.333	ug/L #	87
39) cis-1,3-Dichloropropene	9.892	75	1367	1.034	ug/L #	62
42) Toluene	10.246	91	4787	1.365	ug/L	95
45) 1,1,2-Trichloroethane	10.648	97	2667	4.297	ug/L	94
46) Tetrachloroethene	10.721	164	72751	107.284	ug/L	98
48) 2-Hexanone	10.788	43	2551	5.261	ug/L #	51
49) Dibromochloromethane	10.721	129	64348	85.197	ug/L #	12
71) Naphthalene	15.233	128	8525	12.948	ug/L	98

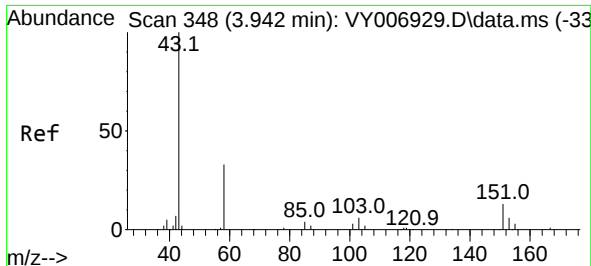
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Dec 04 02:26:29 2021
Response via : Initial Calibration





#13

Acetone

Concen: 7.589 ug/L

RT: 3.948 min Scan# 348

Delta R.T. 0.006 min

Lab File: VY006952.D

Acq: 04 Dec 2021 19:05

Instrument :

MSVOA_Y

ClientSampleId :

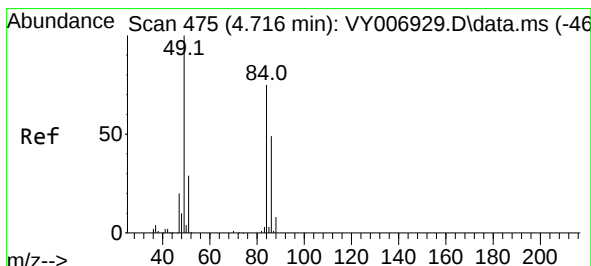
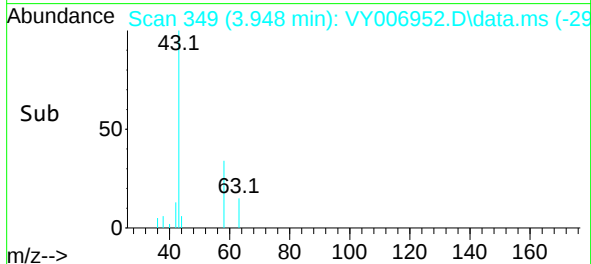
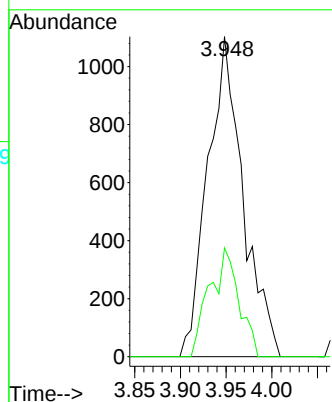
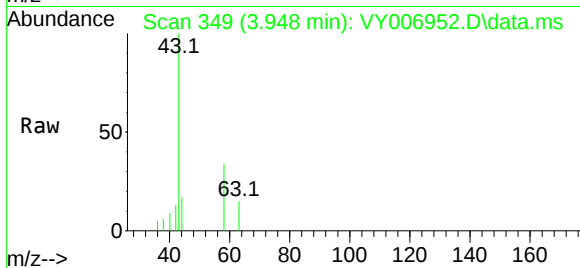
EW9K6

Tgt Ion: 43 Resp: 2963

Ion Ratio Lower Upper

43 100

58 16.2 0.0 60.8



#16

Methylene chloride

Concen: 4.665 ug/L

RT: 4.716 min Scan# 475

Delta R.T. -0.000 min

Lab File: VY006952.D

Acq: 04 Dec 2021 19:05

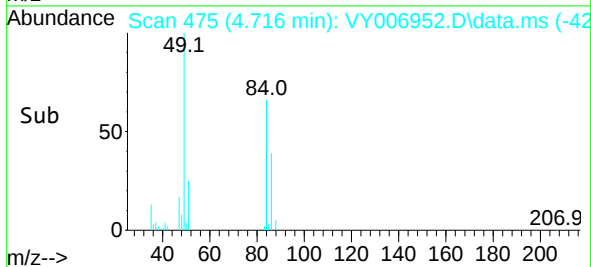
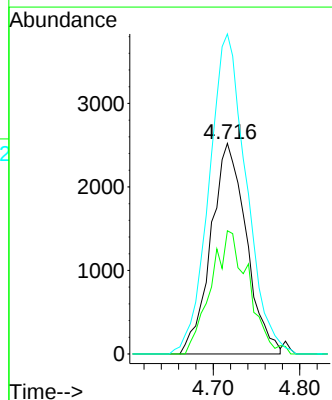
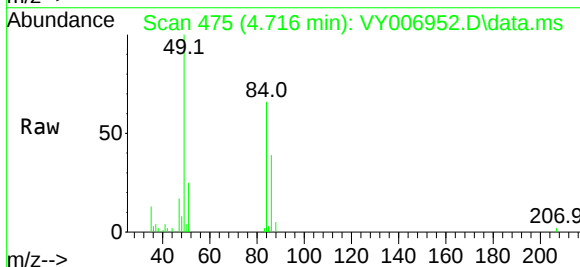
Tgt Ion: 84 Resp: 7165

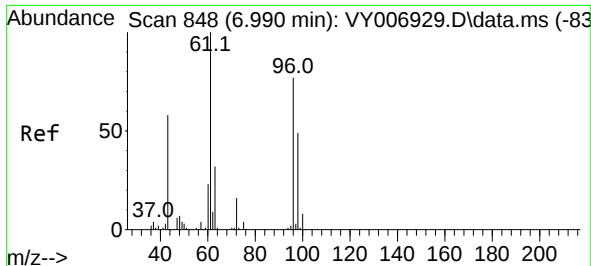
Ion Ratio Lower Upper

84 100

86 58.5 43.4 80.6

49 152.0 89.1 165.5

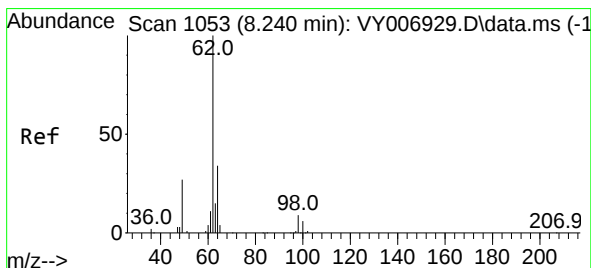
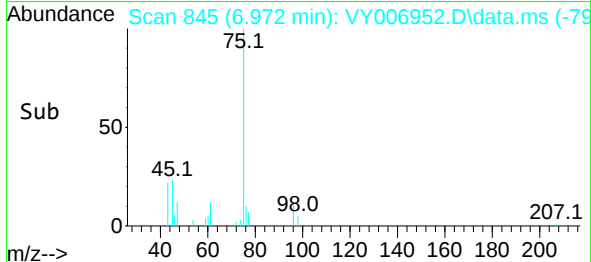
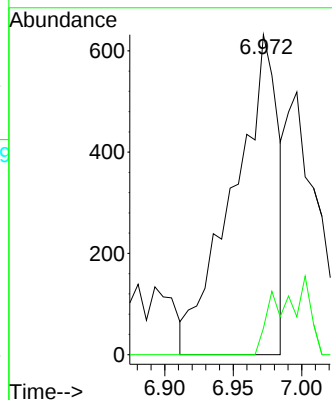
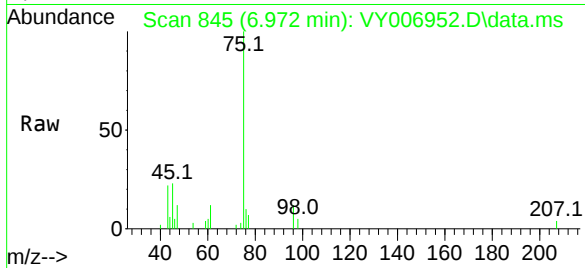




#22
2-Butanone
Concen: 2.620 ug/L
RT: 6.972 min Scan# 848
Delta R.T. -0.012 min
Lab File: VY006952.D
Acq: 04 Dec 2021 19:05

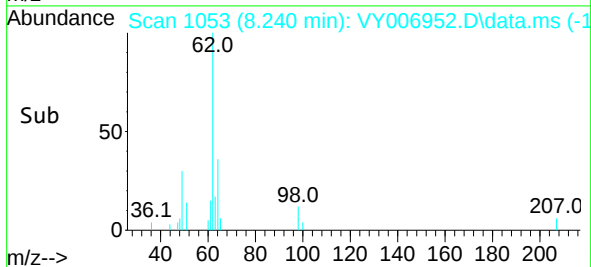
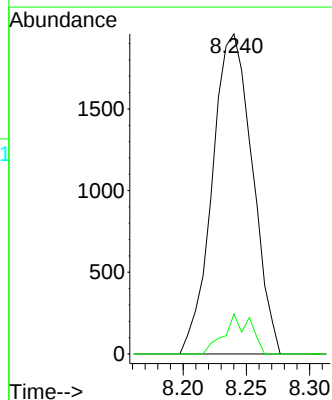
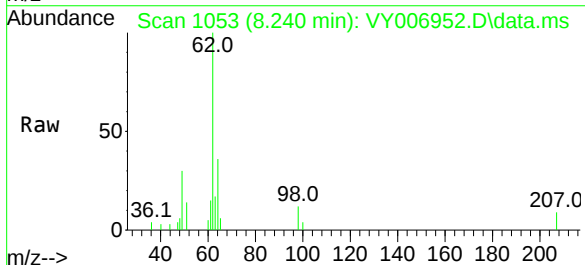
Instrument :
MSVOA_Y
ClientSampleId :
EW9K6

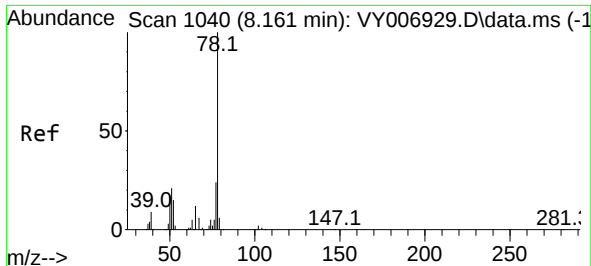
Tgt Ion: 43 Resp: 1431
Ion Ratio Lower Upper
43 100
72 11.3 12.9 38.6#



#27
1,2-Dichloroethane
Concen: 2.542 ug/L
RT: 8.240 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VY006952.D
Acq: 04 Dec 2021 19:05

Tgt Ion: 62 Resp: 4313
Ion Ratio Lower Upper
62 100
98 12.5 6.9 10.3#

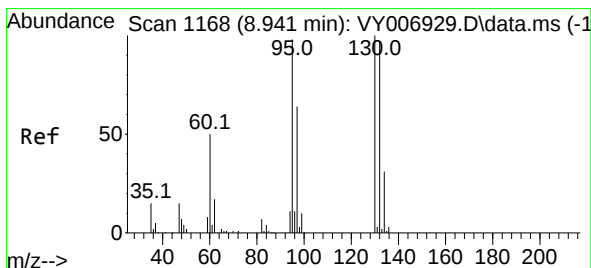
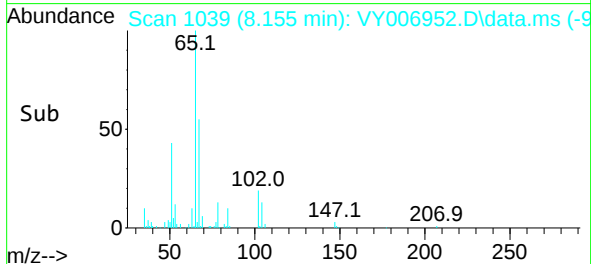
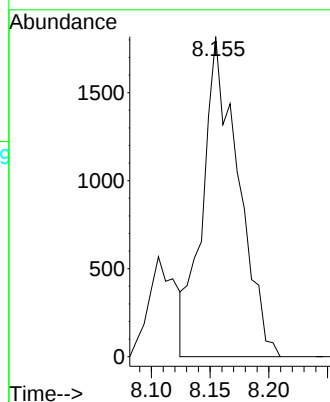
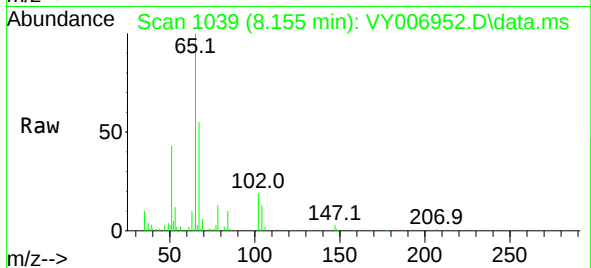




#33
Benzene
Concen: 1.164 ug/L
RT: 8.155 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY006952.D
Acq: 04 Dec 2021 19:05

Instrument :
MSVOA_Y
ClientSampleId :
EW9K6

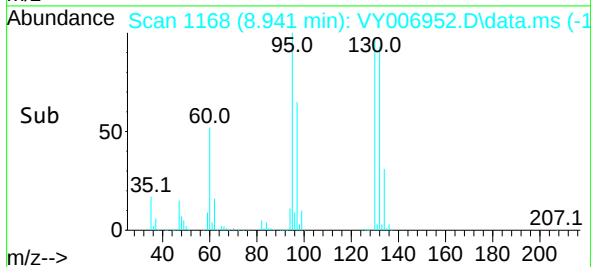
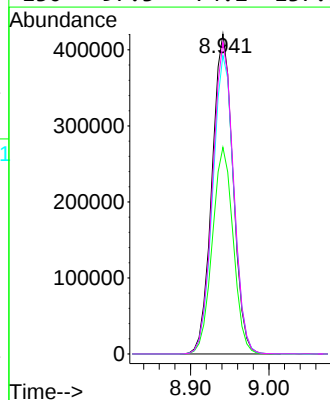
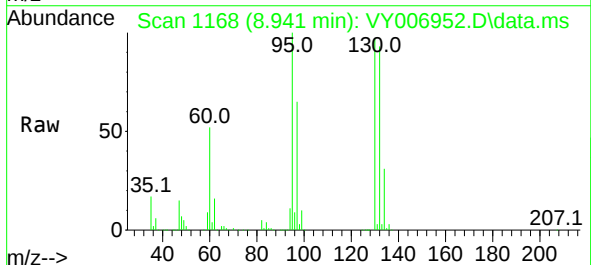
Tgt Ion: 78 Resp: 3825

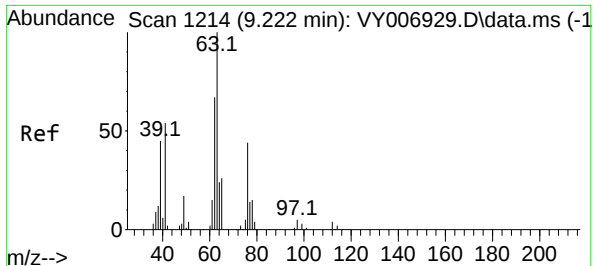


#34
Trichloroethene
Concen: 966.932 ug/L
RT: 8.941 min Scan# 1168
Delta R.T. -0.000 min
Lab File: VY006952.D
Acq: 04 Dec 2021 19:05

Tgt Ion: 95 Resp: 782623

Ion	Ratio	Lower	Upper
95	100		
97	64.5	47.3	87.8
132	93.3	71.3	132.5
130	97.3	74.2	137.8





#37

1,2-Dichloropropane

Concen: 6.333 ug/L

RT: 9.124 min Scan# 1198

Delta R.T. -0.091 min

Lab File: VY006952.D

Acq: 04 Dec 2021 19:05

Instrument :

MSVOA_Y

ClientSampleId :

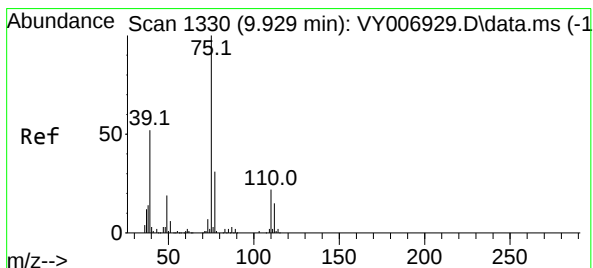
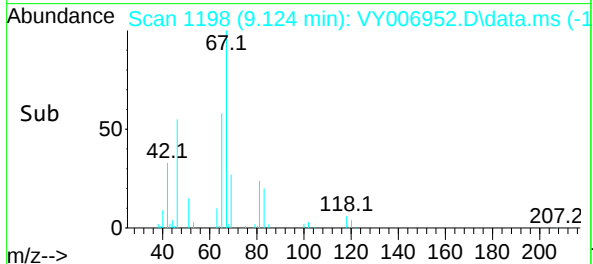
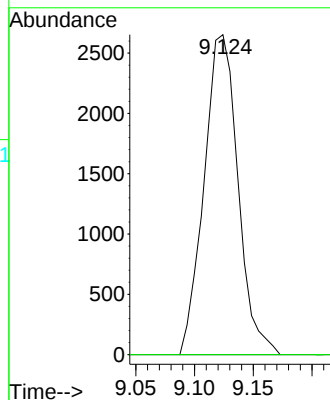
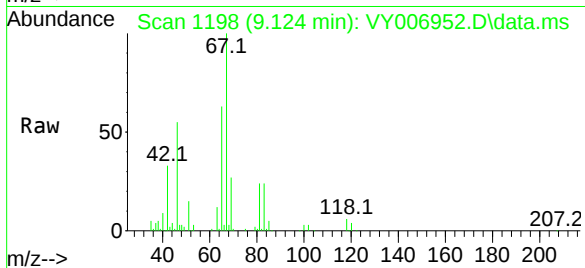
EW9K6

Tgt Ion: 63 Resp: 5335

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



#39

cis-1,3-Dichloropropene

Concen: 1.034 ug/L

RT: 9.892 min Scan# 1324

Delta R.T. -0.037 min

Lab File: VY006952.D

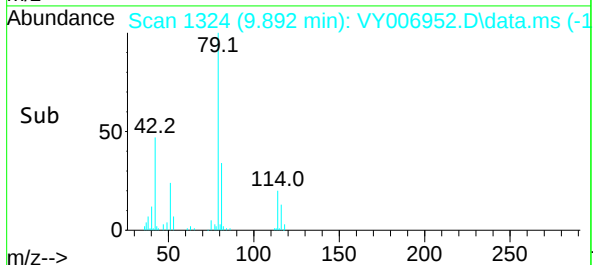
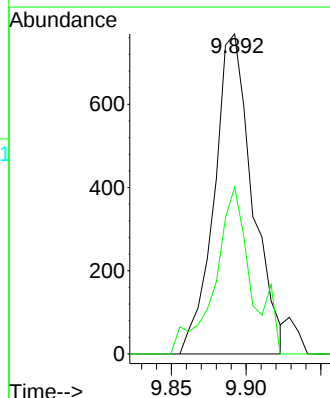
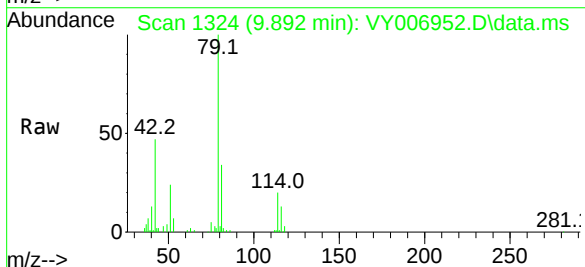
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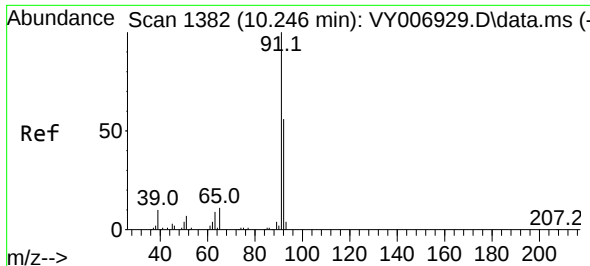
Tgt Ion: 75 Resp: 1367

Ion Ratio Lower Upper

75 100

77 52.1 21.8 40.6#

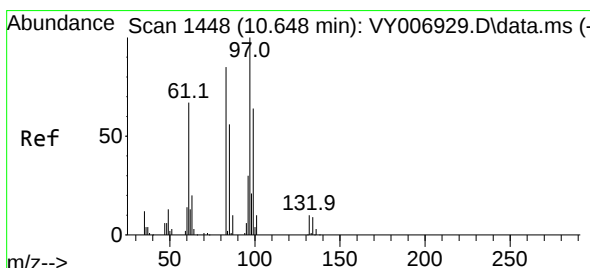
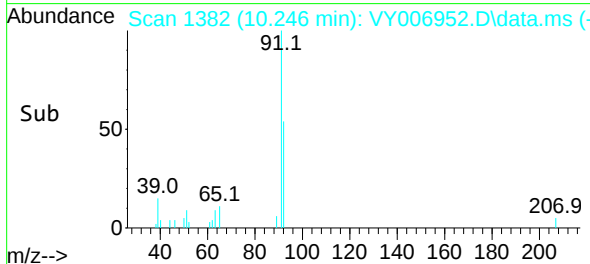
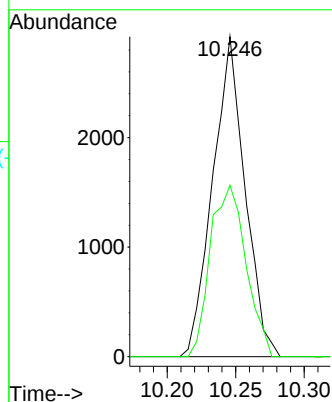
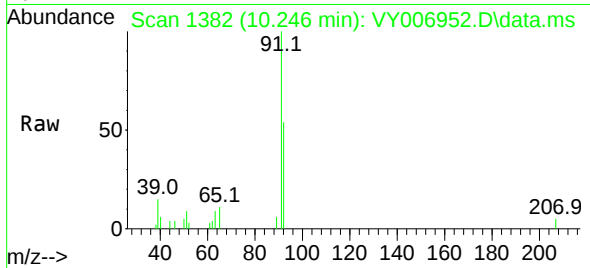




#42
Toluene
Concen: 1.365 ug/L
RT: 10.246 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY006952.D
Acq: 04 Dec 2021 19:05

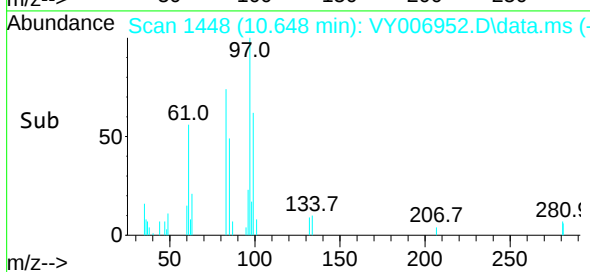
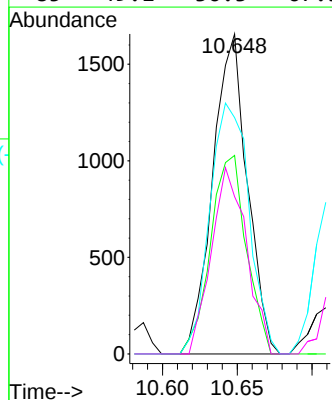
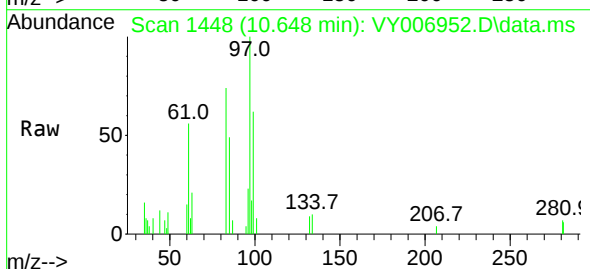
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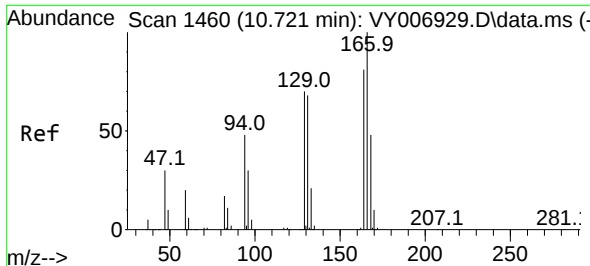
Tgt Ion: 91 Resp: 4787
Ion Ratio Lower Upper
91 100
92 53.5 39.8 74.0



#45
1,1,2-Trichloroethane
Concen: 4.297 ug/L
RT: 10.648 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VY006952.D
Acq: 04 Dec 2021 19:05

Tgt Ion: 97 Resp: 2667
Ion Ratio Lower Upper
97 100
99 62.0 43.0 79.8
83 73.9 58.9 109.3
85 49.1 36.3 67.3

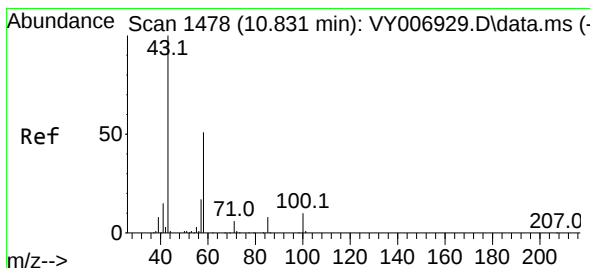
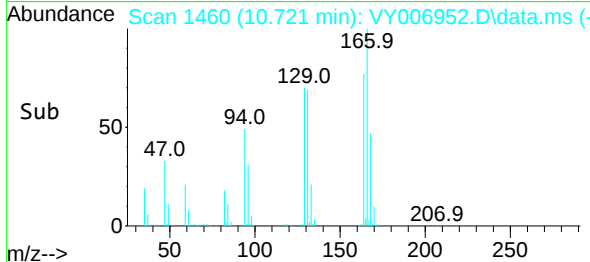
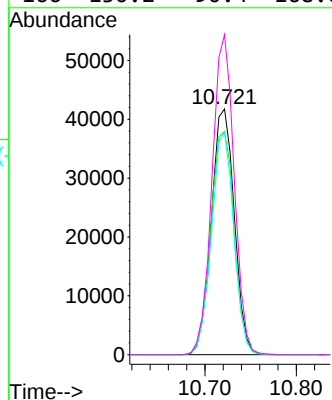
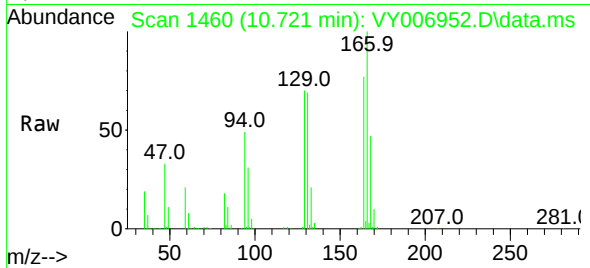




#46
Tetrachloroethene
Concen: 107.284 ug/L
RT: 10.721 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VY006952.D
Acq: 04 Dec 2021 19:05

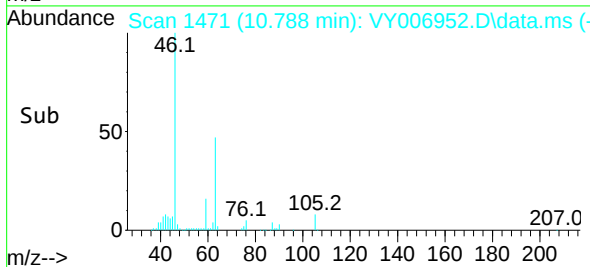
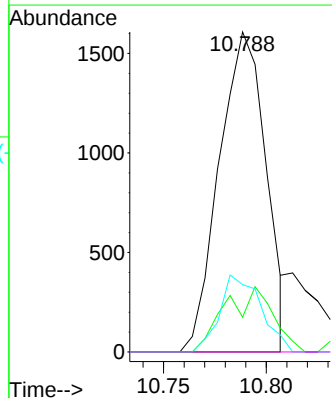
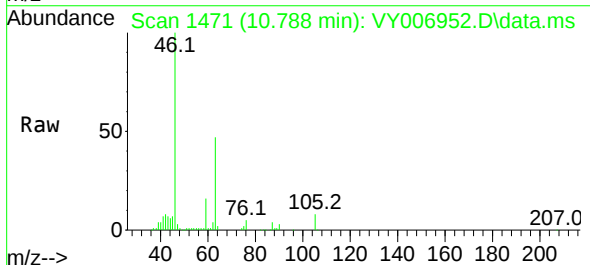
Instrument :
MSVOA_Y
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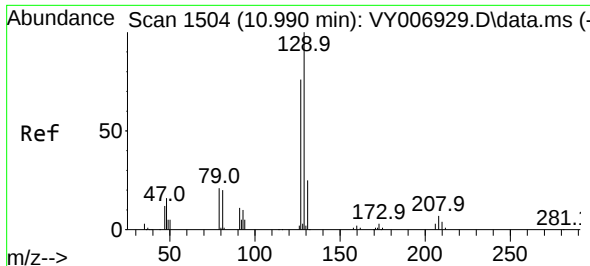
Tgt Ion:164	Resp:	72751
Ion	Ratio	Lower Upper
164	100	
129	90.9	62.1 115.3
131	90.4	61.0 113.2
166	130.2	90.4 168.0



#48
2-Hexanone
Concen: 5.261 ug/L
RT: 10.788 min Scan# 1471
Delta R.T. -0.043 min
Lab File: VY006952.D
Acq: 04 Dec 2021 19:05

Tgt Ion: 43	Resp:	2551
Ion	Ratio	Lower Upper
43	100	
58	10.7	39.9 59.9#
57	0.0	14.2 21.4#
100	0.0	8.2 12.4#

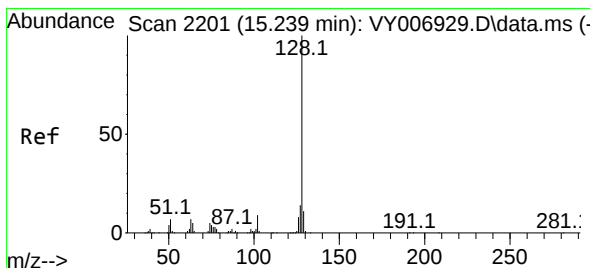
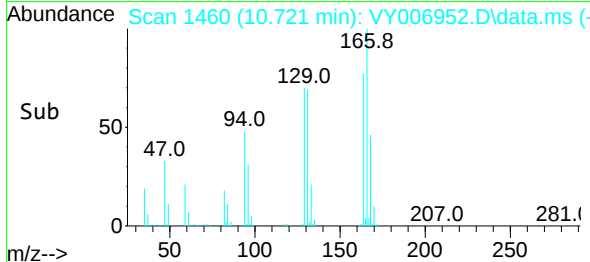
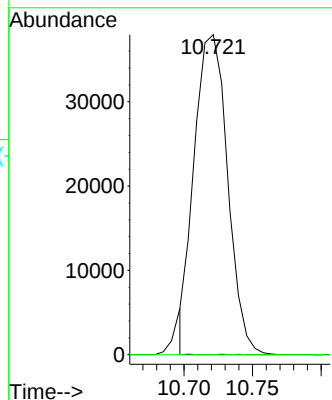
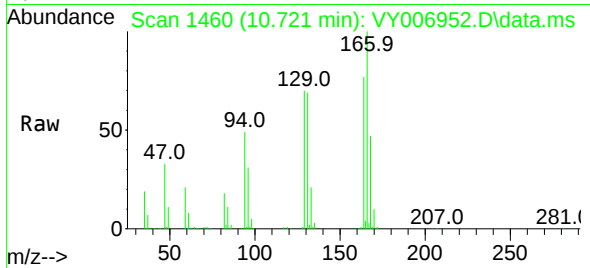




#49
Dibromochloromethane
Concen: 85.197 ug/L
RT: 10.721 min Scan# 1460
Delta R.T. -0.262 min
Lab File: VY006952.D
Acq: 04 Dec 2021 19:05

Instrument :
MSVOA_Y
ClientSampleId :
EW9K6

Tgt Ion:129 Resp: 64348
Ion Ratio Lower Upper
129 100
127 0.0 52.1 96.9#



#71
Naphthalene
Concen: 12.948 ug/L
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY006952.D
Acq: 04 Dec 2021 19:05

Tgt Ion:128 Resp: 8525
Ion Ratio Lower Upper
128 100
127 15.0 10.8 16.2
129 10.8 8.7 13.1

