

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120621\
 Data File : VY006961.D
 Acq On : 06 Dec 2021 15:29
 Operator : SY/MD
 Sample : M4887-04
 Misc : 6.31g/10.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 07 00:47:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYLEM120321SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 07 00:43:47 2021
 Response via : Initial Calibration

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

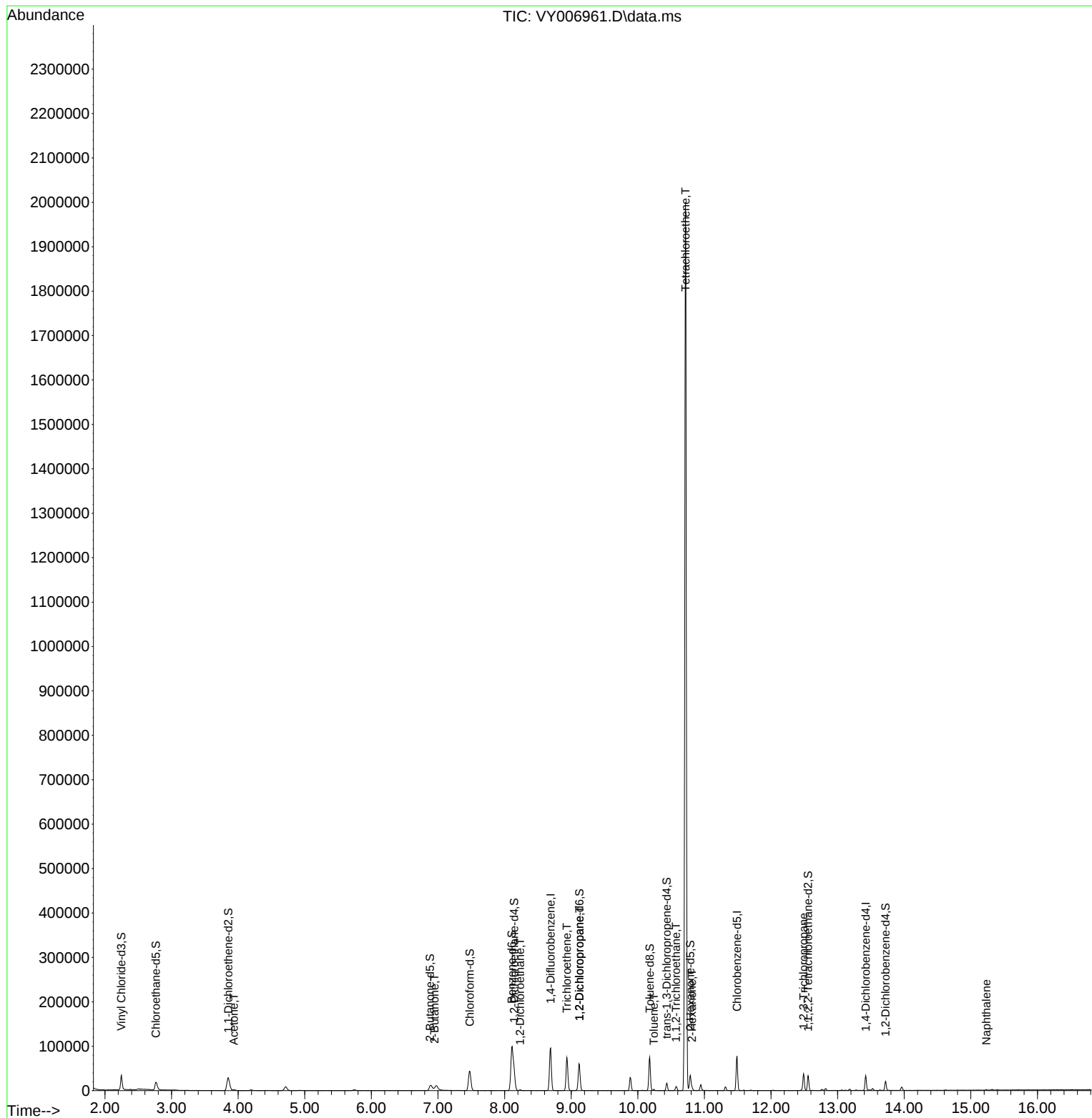
Internal Standards						
1) 1,4-Difluorobenzene	8.691	114	76884	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.490	117	37394	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.422	152	7745	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	31657	31.970	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	127.880%
7) Chloroethane-d5	2.765	69	23774	30.606	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	122.440%
11) 1,1-Dichloroethene-d2	3.851	63	31746	15.421	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.680%
21) 2-Butanone-d5	6.881	46	20290	53.052	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.100%
24) Chloroform-d	7.478	84	44630	23.293	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.160%
26) 1,2-Dichloroethane-d4	8.143	65	32469	28.231	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	112.920%
32) Benzene-d6	8.106	84	83592	42.083	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	168.320%#
36) 1,2-Dichloropropane-d6	9.124	67	28062	44.964	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	179.840%#
41) Toluene-d8	10.179	98	45868	24.655	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.600%
43) trans-1,3-Dichloroprop...	10.435	79	8700	28.820	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	115.280%
47) 2-Hexanone-d5	10.788	63	10048	69.563	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	139.120%#
56) 1,1,2,2-Tetrachloroeth...	12.556	84	15396	29.610	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	118.440%
66) 1,2-Dichlorobenzene-d4	13.721	152	4567	18.082	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	72.320%#
Target Compounds						Qvalue
13) Acetone	3.936	43	2103	6.000	ug/L	81
22) 2-Butanone	6.948	43	2115	4.314	ug/L #	56
27) 1,2-Dichloroethane	8.234	62	1463	0.960	ug/L #	76
34) Trichloroethene	8.935	95	23978	38.722	ug/L	89
37) 1,2-Dichloropropane	9.124	63	3278	5.086	ug/L #	87
42) Toluene	10.240	91	1897	0.707	ug/L	87
45) 1,1,2-Trichloroethane	10.575	97	306	0.644	ug/L #	16
46) Tetrachloroethene	10.715	164	380010	732.476	ug/L	95
48) 2-Hexanone	10.813	43	2618	7.058	ug/L #	45
61) 1,2,3-Trichloropropane	12.489	75	264	1.402	ug/L #	39
71) Naphthalene	15.233	128	1094	1.950	ug/L #	94

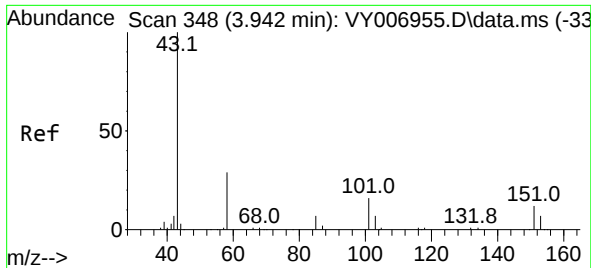
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Dec 07 00:43:47 2021
Response via : Initial Calibration





#13

Acetone

Concen: 6.000 ug/L

RT: 3.936 min Scan# 34

Delta R.T. -0.006 min

Lab File: VY006961.D

Acq: 06 Dec 2021 15:29

Instrument :

MSVOA_Y

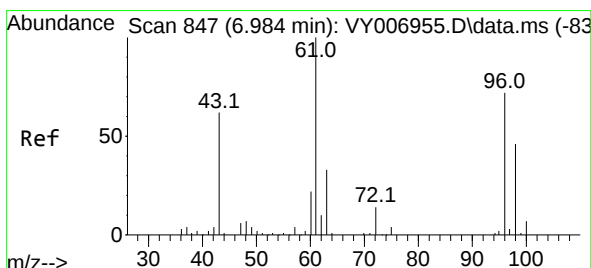
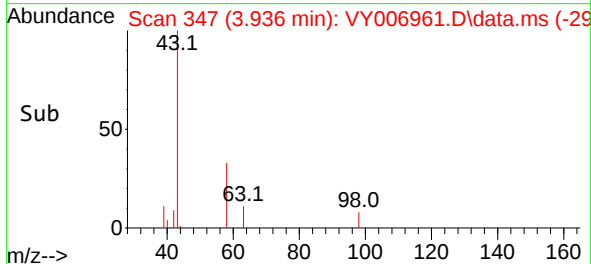
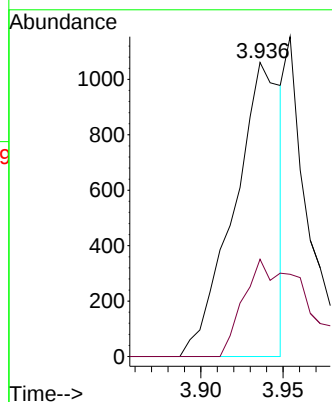
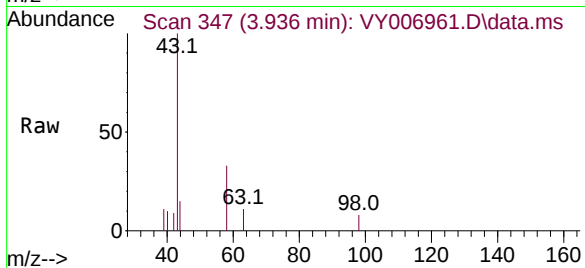
ClientSampleId :

Tgt Ion: 43 Resp: 2103

Ion Ratio Lower Upper

43 100

58 19.9 0.0 60.8



#22

2-Butanone

Concen: 4.314 ug/L

RT: 6.948 min Scan# 841

Delta R.T. -0.037 min

Lab File: VY006961.D

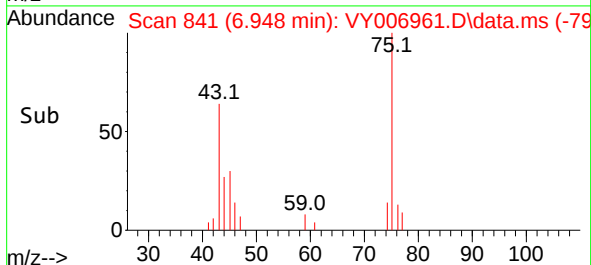
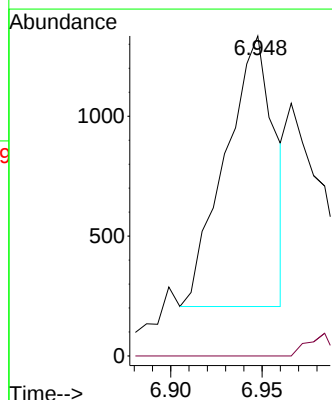
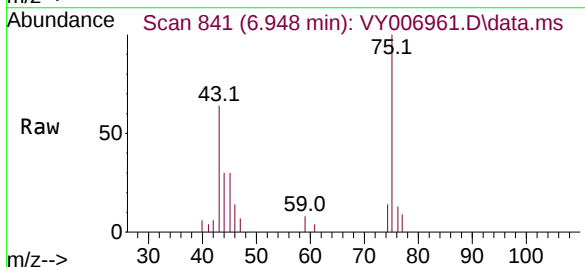
Acq: 06 Dec 2021 15:29

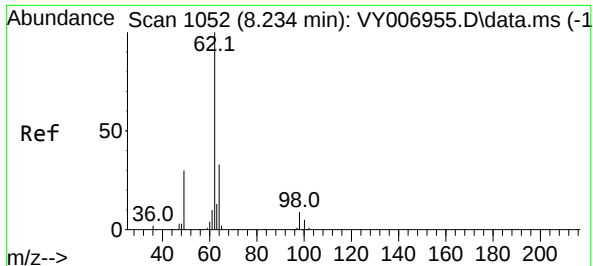
Tgt Ion: 43 Resp: 2115

Ion Ratio Lower Upper

43 100

72 3.5 12.9 38.6#





#27

1,2-Dichloroethane

Concen: 0.960 ug/L

RT: 8.234 min Scan# 1052

Delta R.T. 0.000 min

Lab File: VY006961.D

Acq: 06 Dec 2021 15:29

Instrument :

MSVOA_Y

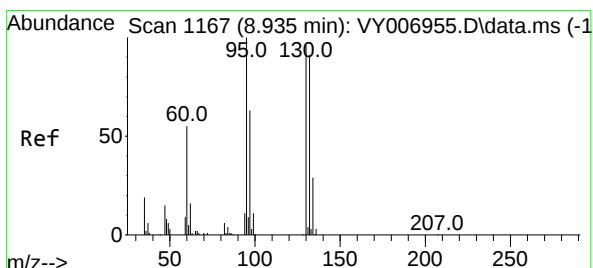
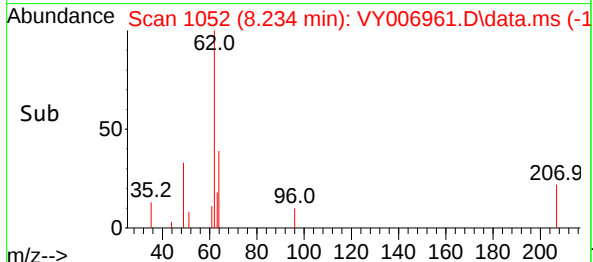
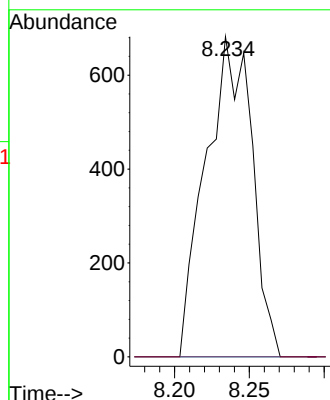
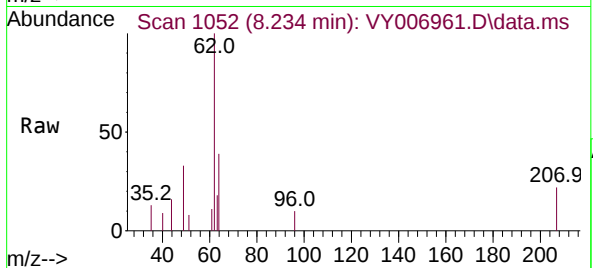
ClientSampleId :

Tgt Ion: 62 Resp: 1463

Ion Ratio Lower Upper

62 100

98 0.0 6.9 10.3#



#34

Trichloroethene

Concen: 38.722 ug/L

RT: 8.935 min Scan# 1167

Delta R.T. 0.000 min

Lab File: VY006961.D

Acq: 06 Dec 2021 15:29

Tgt Ion: 95 Resp: 23978

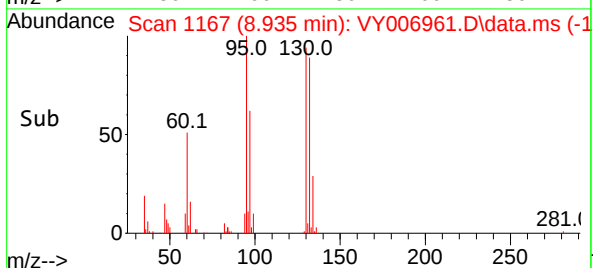
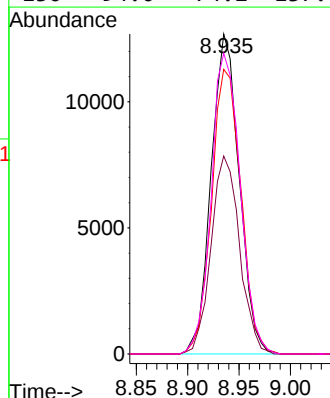
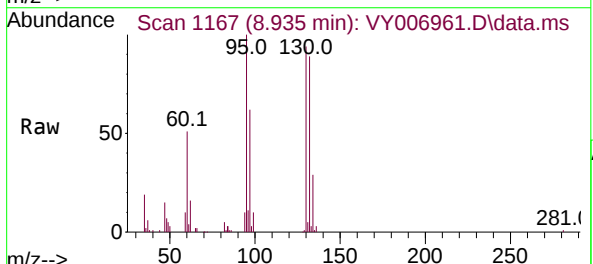
Ion Ratio Lower Upper

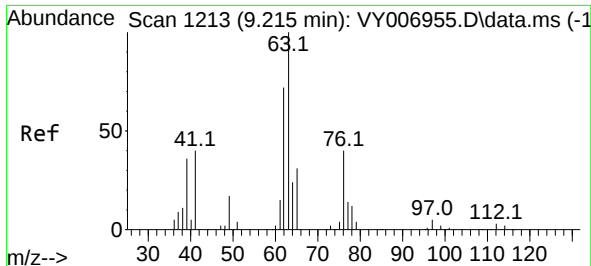
95 100

97 61.9 47.3 87.8

132 89.0 71.3 132.5

130 94.0 74.2 137.8





#37

1,2-Dichloropropane

Concen: 5.086 ug/L

RT: 9.124 min Scan# 1198

Delta R.T. -0.091 min

Lab File: VY006961.D

Acq: 06 Dec 2021 15:29

Instrument :

MSVOA_Y

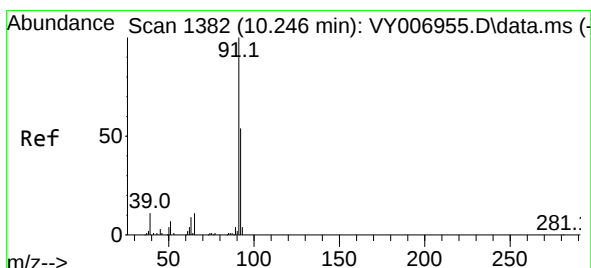
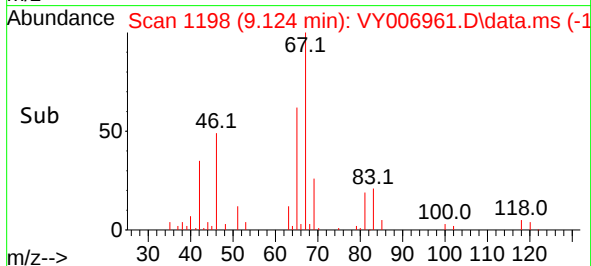
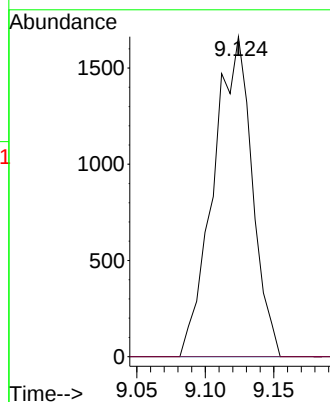
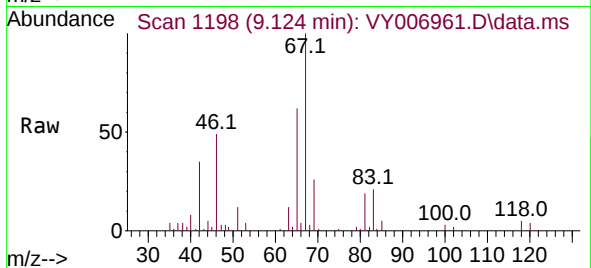
ClientSampleId :

Tgt Ion: 63 Resp: 3278

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



#42

Toluene

Concen: 0.707 ug/L

RT: 10.240 min Scan# 1381

Delta R.T. -0.006 min

Lab File: VY006961.D

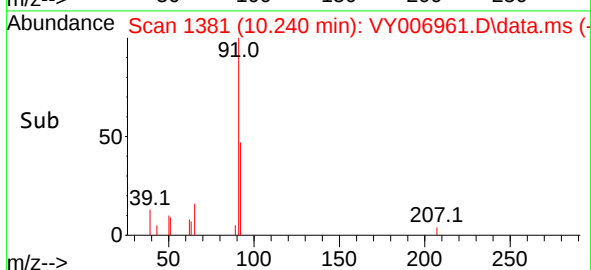
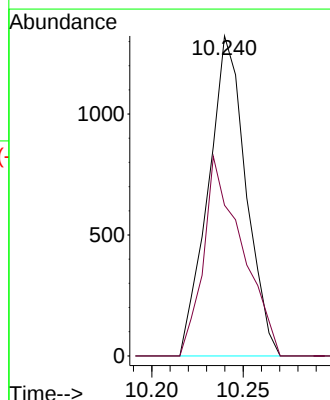
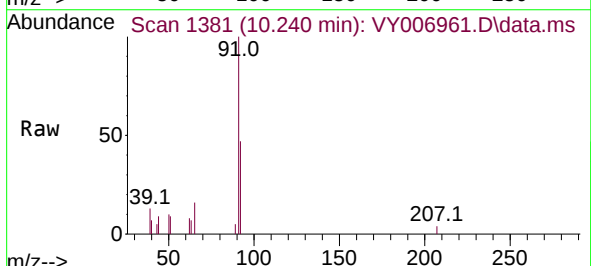
Acq: 06 Dec 2021 15:29

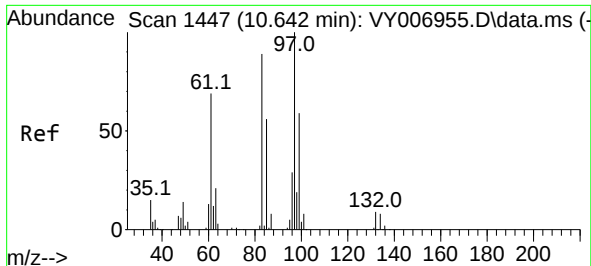
Tgt Ion: 91 Resp: 1897

Ion Ratio Lower Upper

91 100

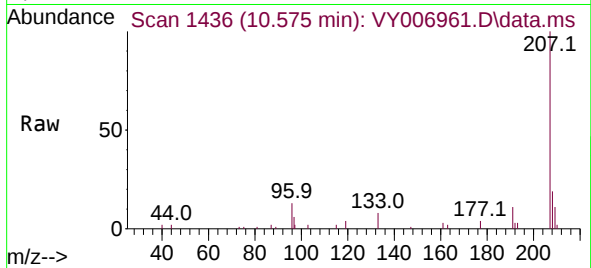
92 47.1 39.8 74.0



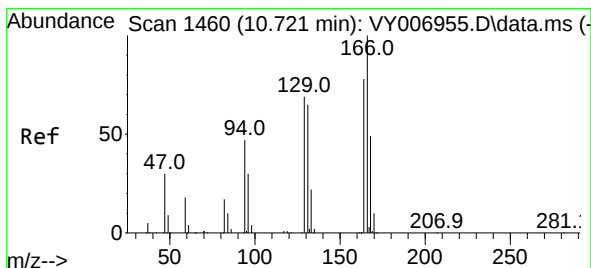
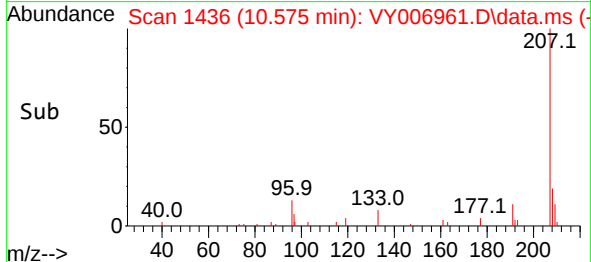
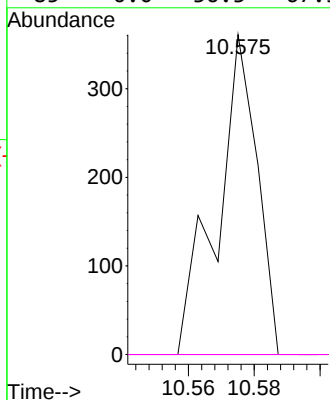


#45
1,1,2-Trichloroethane
Concen: 0.644 ug/L
RT: 10.575 min Scan# 1447
Delta R.T. -0.067 min
Lab File: VY006961.D
Acq: 06 Dec 2021 15:29

Instrument :
MSVOA_Y
ClientSampleId :

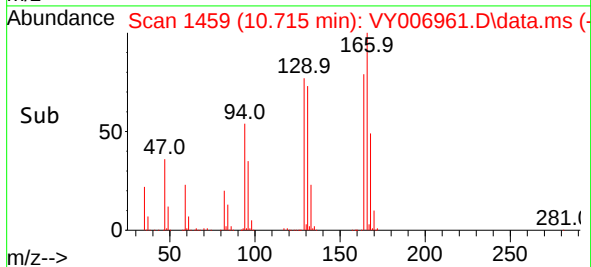
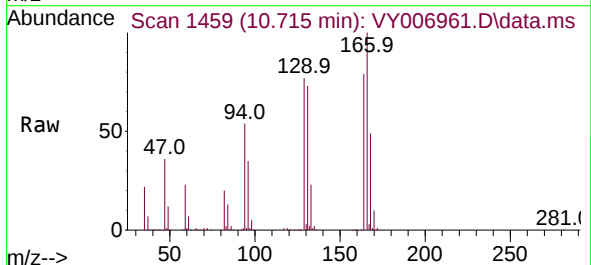
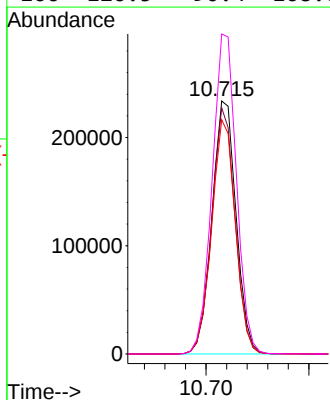


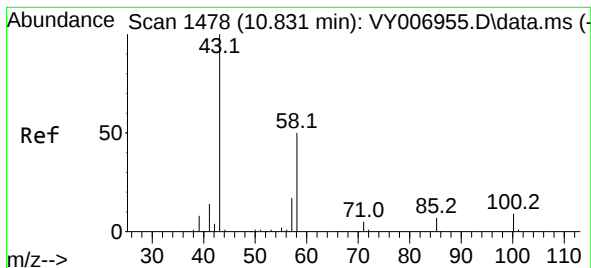
Tgt Ion: 97 Resp: 306
Ion Ratio Lower Upper
97 100
99 0.0 43.0 79.8#
83 0.0 58.9 109.3#
85 0.0 36.3 67.3#



#46
Tetrachloroethene
Concen: 732.476 ug/L
RT: 10.715 min Scan# 1459
Delta R.T. -0.006 min
Lab File: VY006961.D
Acq: 06 Dec 2021 15:29

Tgt Ion:164 Resp: 380010
Ion Ratio Lower Upper
164 100
129 97.3 62.1 115.3
131 92.6 61.0 113.2
166 126.5 90.4 168.0





#48

2-Hexanone

Concen: 7.058 ug/L

RT: 10.813 min Scan# 1478

Delta R.T. -0.018 min

Lab File: VY006961.D

Acq: 06 Dec 2021 15:29

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 43 Resp: 2618

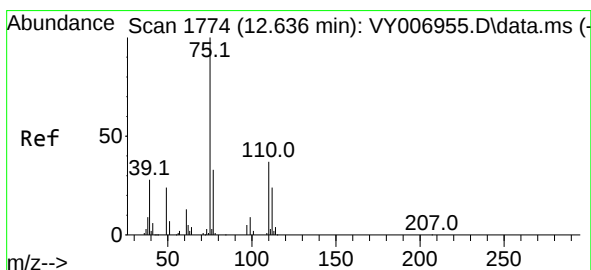
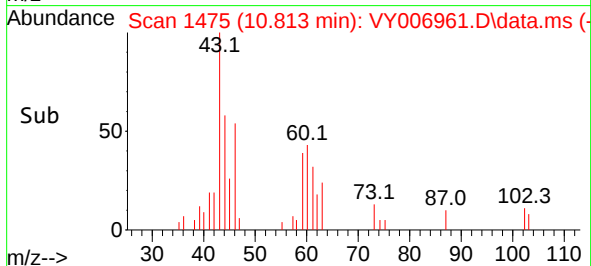
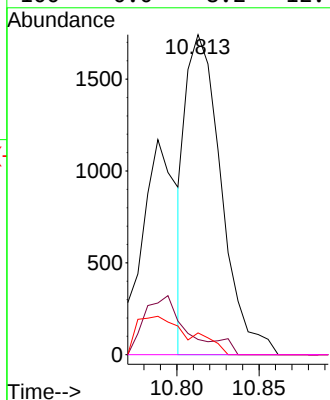
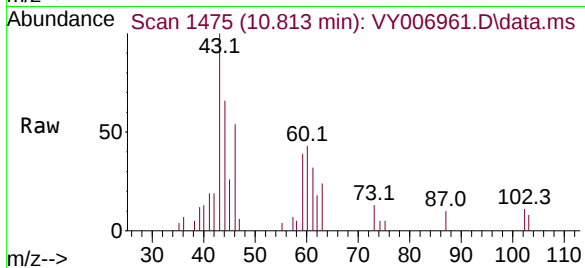
Ion Ratio Lower Upper

43 100

58 2.3 39.9 59.9#

57 3.8 14.2 21.4#

100 0.0 8.2 12.4#



#61

1,2,3-Trichloropropane

Concen: 1.402 ug/L

RT: 12.489 min Scan# 1750

Delta R.T. -0.146 min

Lab File: VY006961.D

Acq: 06 Dec 2021 15:29

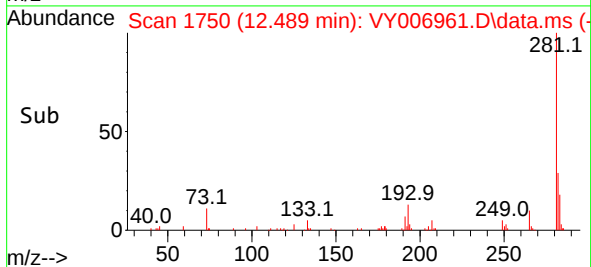
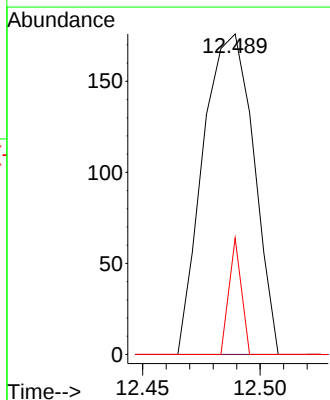
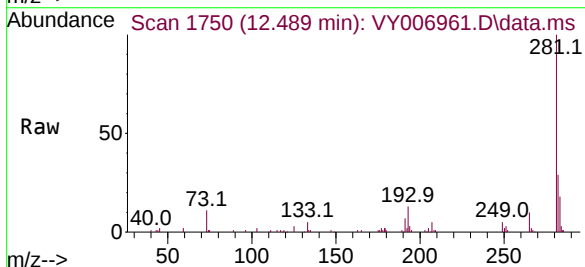
Tgt Ion: 75 Resp: 264

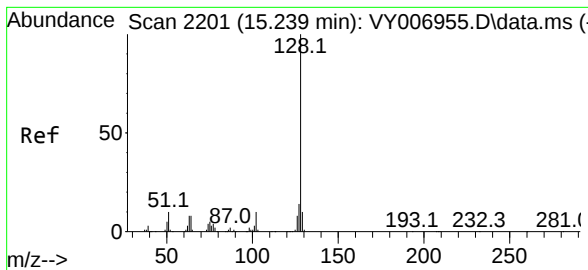
Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

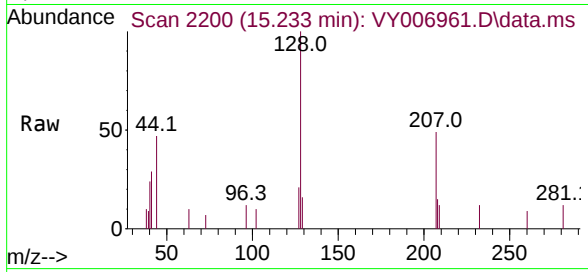
110 0.0 31.7 47.5#





#71
Naphthalene
Concen: 1.950 ug/L
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY006961.D
Acq: 06 Dec 2021 15:29

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	128	Resp:	1094
Ion	Ratio	Lower	Upper
128	100		
127	9.5	10.8	16.2#
129	10.9	8.7	13.1

