

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110323\
 Data File : VY016207.D
 Acq On : 03 Nov 2023 12:02
 Operator : SY/MD
 Sample : 05214-03RE
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 03 23:00:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:33:29 2023
 Response via : Initial Calibration

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

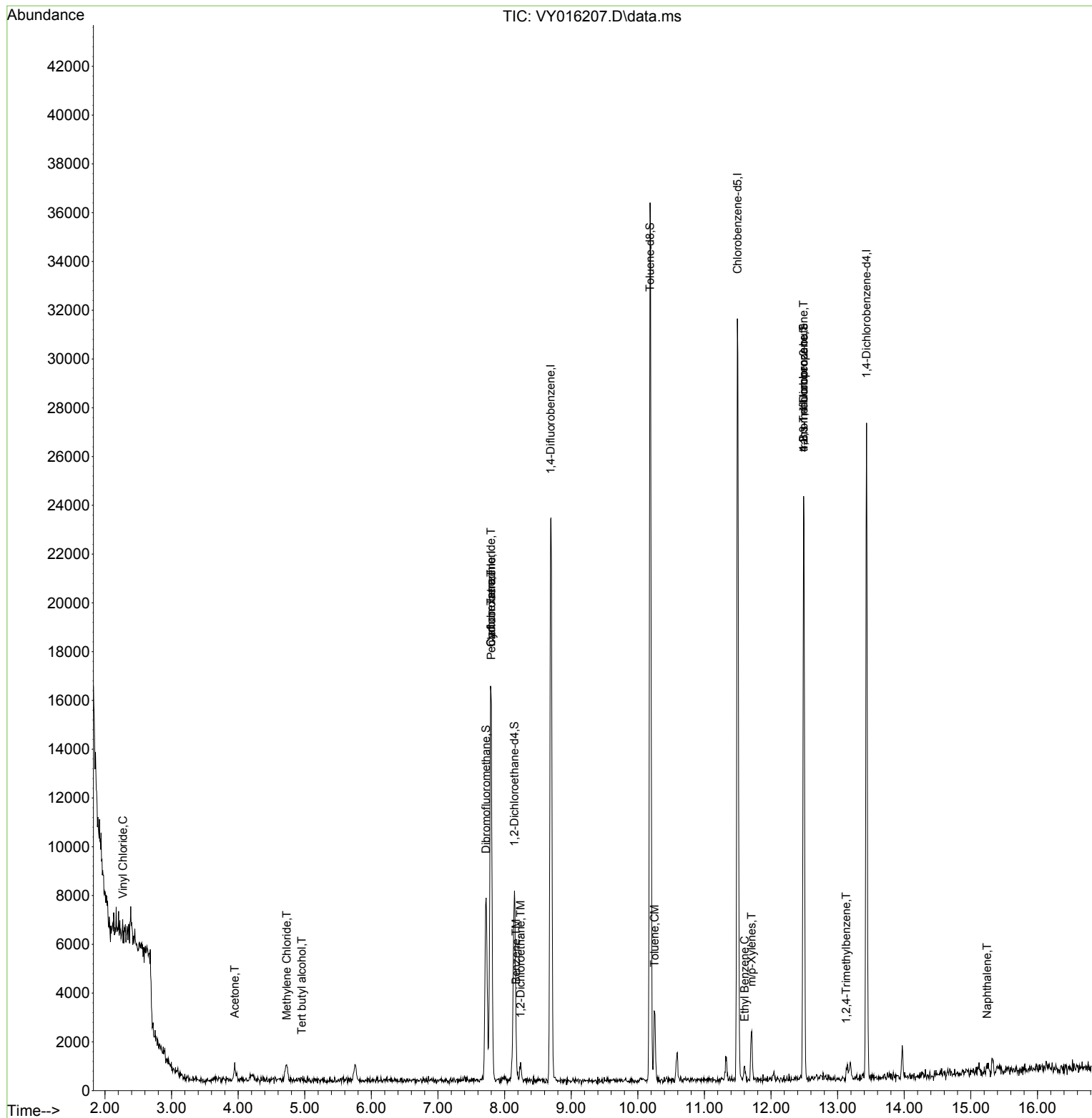
Internal Standards						
1) Pentafluorobenzene	7.801	168	13731	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	21869	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	17634	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	7103	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	5986	46.589	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.180%		
35) Dibromofluoromethane	7.722	113	5622	43.121	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	86.240%		
50) Toluene-d8	10.185	98	24427	47.255	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.520%		
62) 4-Bromofluorobenzene	12.489	95	6869	38.861	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	77.720%		
Target Compounds						Qvalue
4) Vinyl Chloride	2.272	62	195	1.558	ug/l #	44
11) Tert butyl alcohol	4.954	59	115	11.979	ug/l #	89
16) Acetone	3.948	43	1015	32.920	ug/l #	76
20) Methylene Chloride	4.728	84	524	1.027	ug/l #	80
31) Cyclohexane	7.795	56	204	1.033	ug/l #	29
38) Carbon Tetrachloride	7.795	117	1355	7.265	ug/l #	12
40) Benzene	8.173	78	760	1.406	ug/l #	76
42) 1,2-Dichloroethane	8.240	62	634	4.203	ug/l #	78
52) Toluene	10.252	92	1469	4.194	ug/l	98
67) Ethyl Benzene	11.605	91	712	1.136	ug/l	95
68) m/p-Xylenes	11.709	106	759	3.135	ug/l	99
76) 1,2,3-Trichloropropane	12.489	75	3570	53.371	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	3570	115.722	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.129	105	468	1.096	ug/l #	56
95) Naphthalene	15.245	128	544	2.201	ug/l #	69

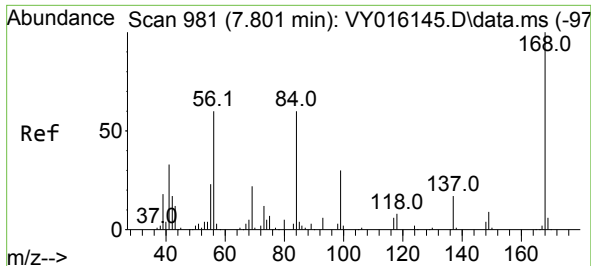
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

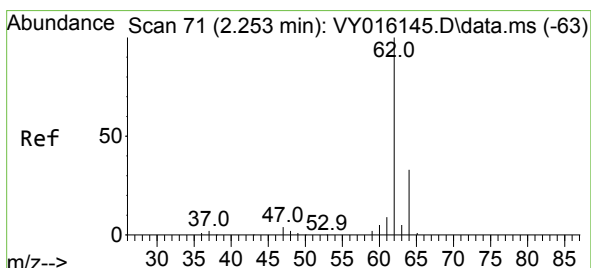
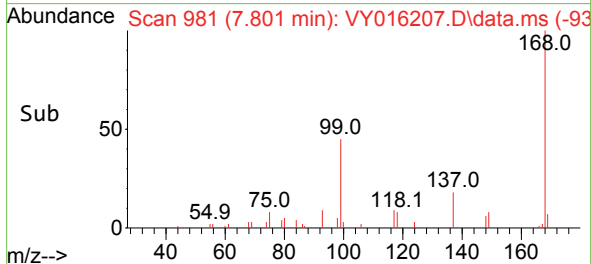
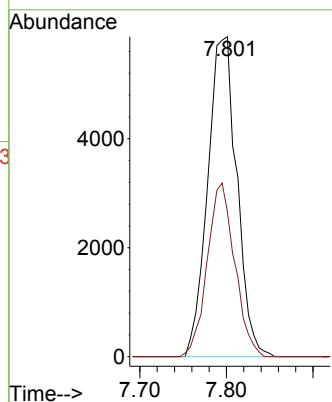
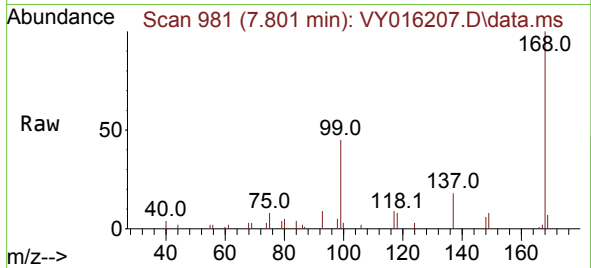




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY016207.D
Acq: 03 Nov 2023 12:02

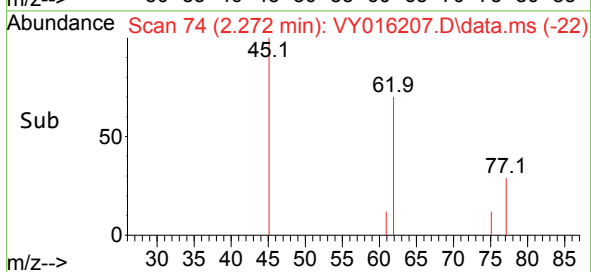
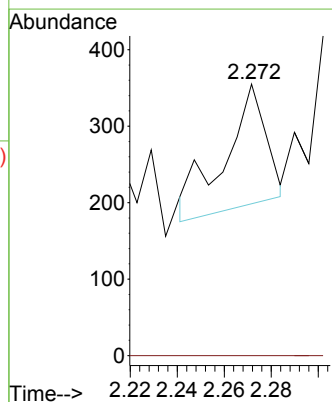
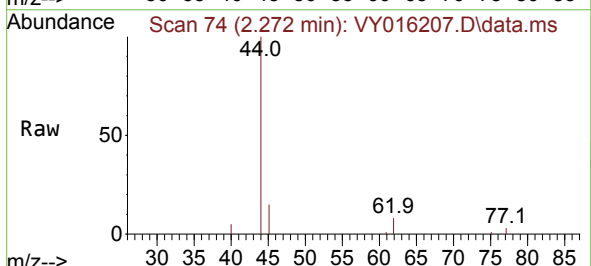
Instrument :
MSVOA_Y
ClientSampleId :

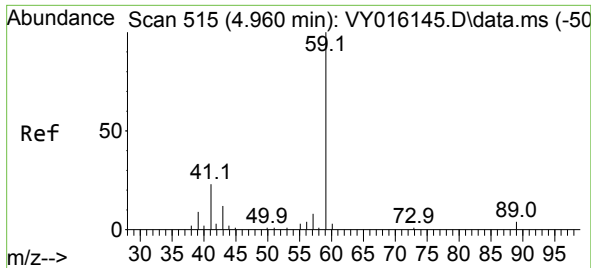
Tgt Ion:168 Resp: 13731
Ion Ratio Lower Upper
168 100
99 45.3 43.4 65.0



#4
Vinyl Chloride
Concen: 1.558 ug/l
RT: 2.272 min Scan# 74
Delta R.T. 0.018 min
Lab File: VY016207.D
Acq: 03 Nov 2023 12:02

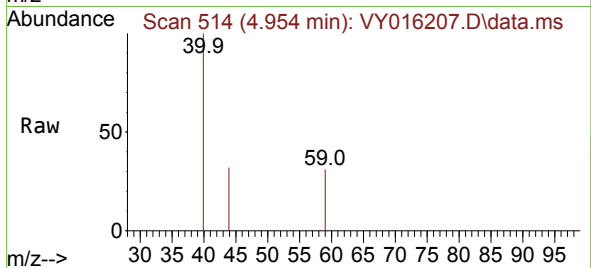
Tgt Ion: 62 Resp: 195
Ion Ratio Lower Upper
62 100
64 0.0 24.3 36.5#



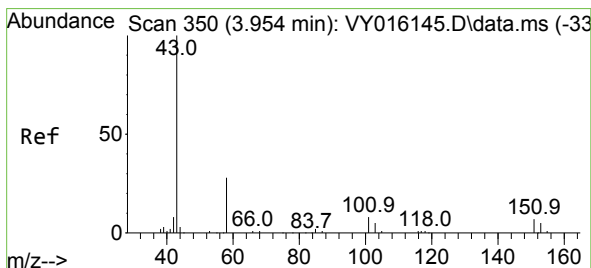
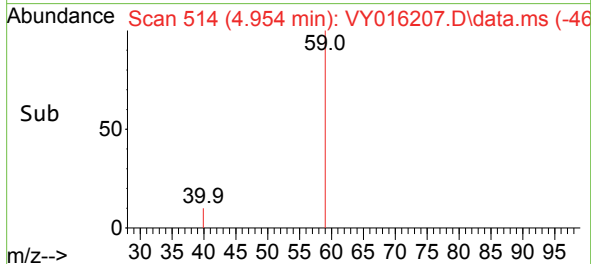
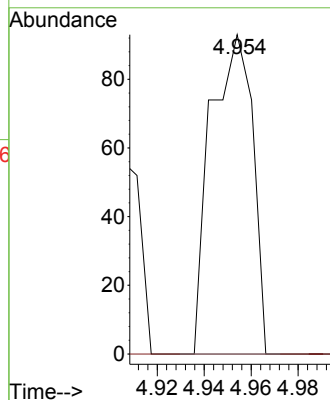


#11
Tert butyl alcohol
Concen: 11.979 ug/l
RT: 4.954 min Scan# 515
Delta R.T. -0.006 min
Lab File: VY016207.D
Acq: 03 Nov 2023 12:02

Instrument :
MSVOA_Y
ClientSampleId :

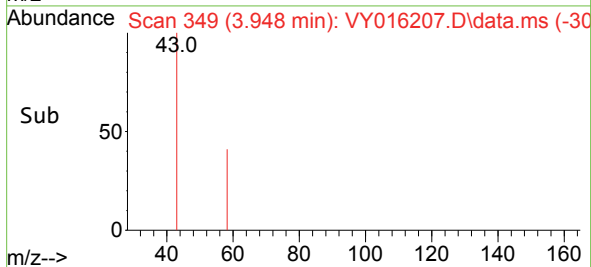
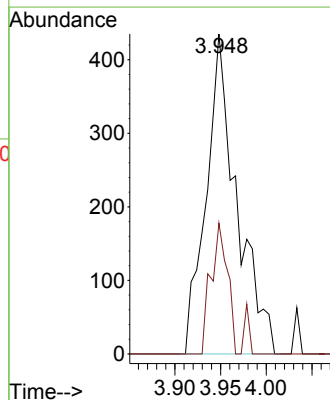
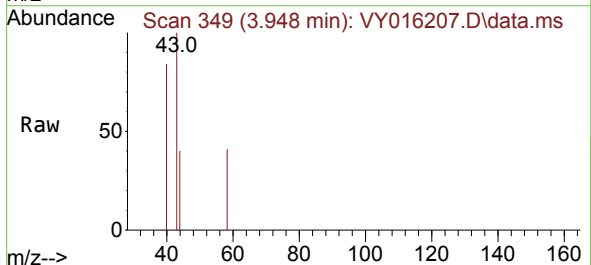


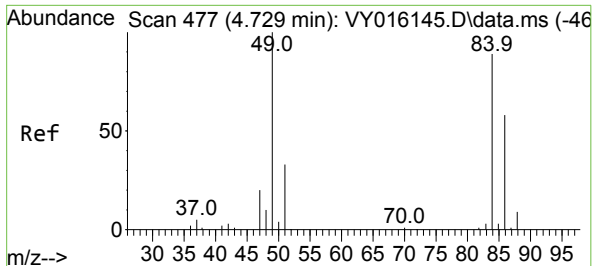
Tgt Ion: 59 Resp: 115
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 32.920 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY016207.D
Acq: 03 Nov 2023 12:02

Tgt Ion: 43 Resp: 1015
Ion Ratio Lower Upper
43 100
58 40.9 22.7 34.1#





#20

Methylene Chloride

Concen: 1.027 ug/l

RT: 4.728 min Scan# 41

Delta R.T. -0.001 min

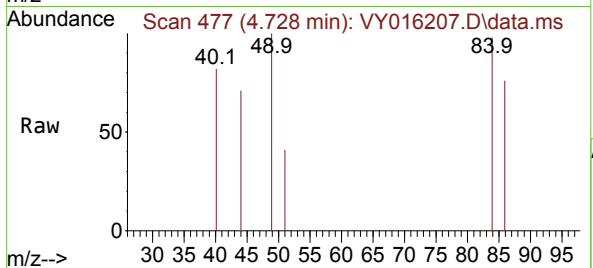
Lab File: VY016207.D

Acq: 03 Nov 2023 12:02

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 524

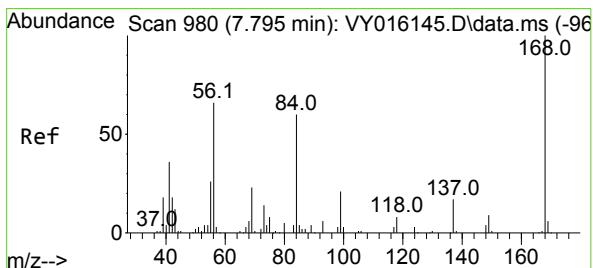
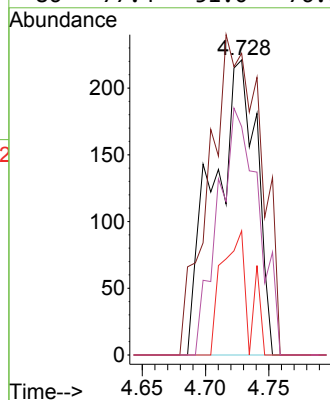
Ion Ratio Lower Upper

84 100

49 102.3 106.9 160.3#

51 42.1 33.2 49.8

86 77.4 51.0 76.6#



#31

Cyclohexane

Concen: 1.033 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.000 min

Lab File: VY016207.D

Acq: 03 Nov 2023 12:02

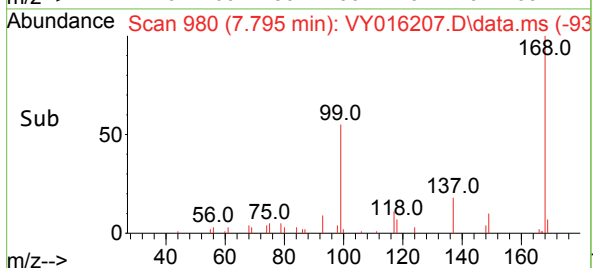
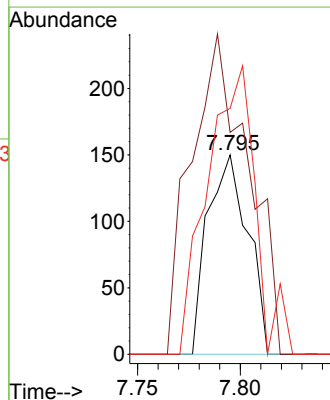
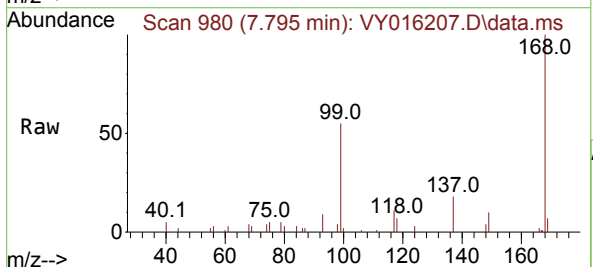
Tgt Ion: 56 Resp: 204

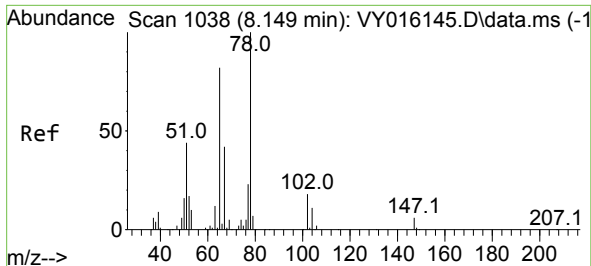
Ion Ratio Lower Upper

56 100

69 111.3 27.8 41.6#

84 123.3 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 46.589 ug/l

RT: 8.149 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY016207.D

Acq: 03 Nov 2023 12:02

Instrument :

MSVOA_Y

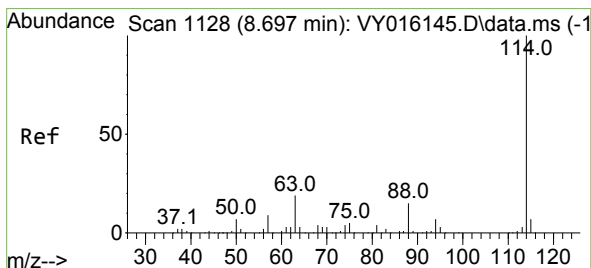
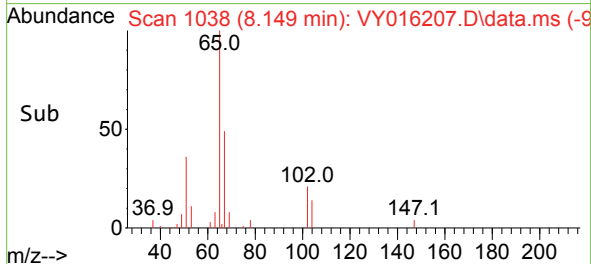
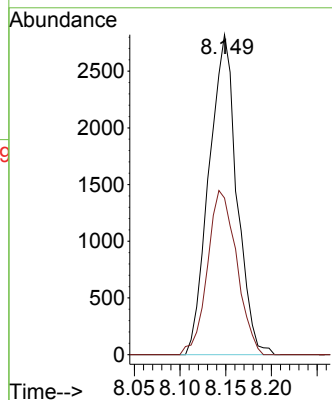
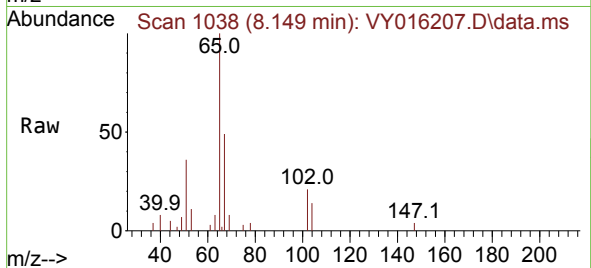
ClientSampleId :

Tgt Ion: 65 Resp: 5986

Ion Ratio Lower Upper

65 100

67 53.7 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY016207.D

Acq: 03 Nov 2023 12:02

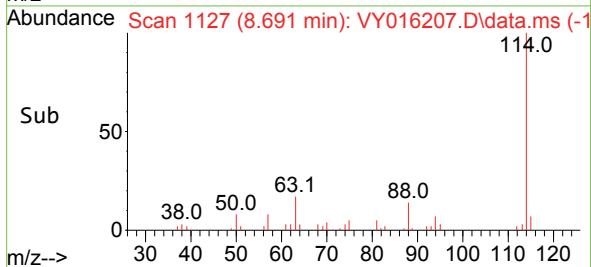
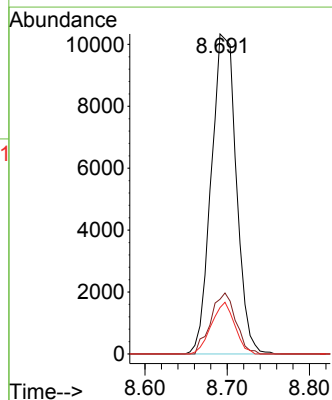
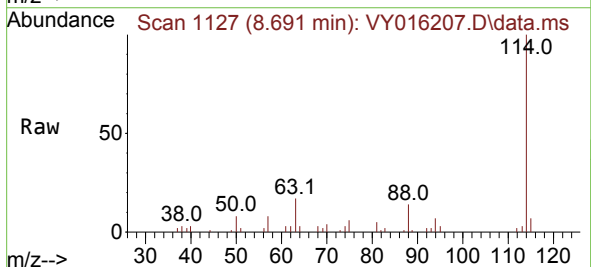
Tgt Ion: 114 Resp: 21869

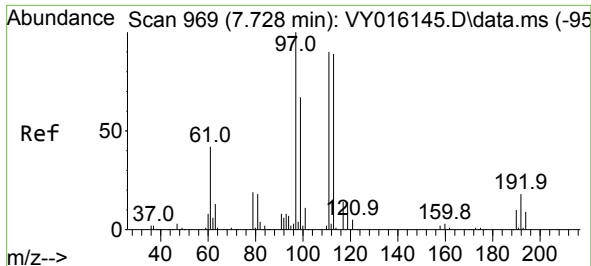
Ion Ratio Lower Upper

114 100

63 17.1 0.0 42.4

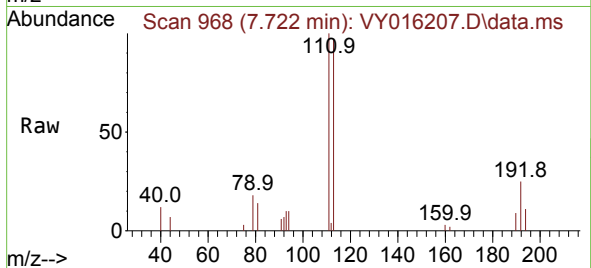
88 14.5 0.0 30.6



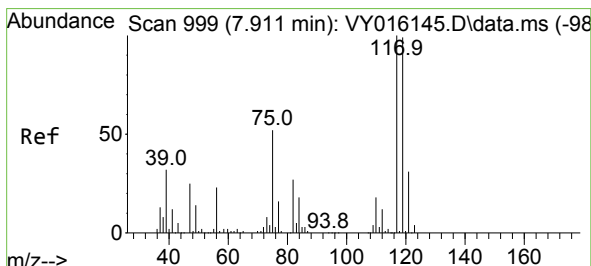
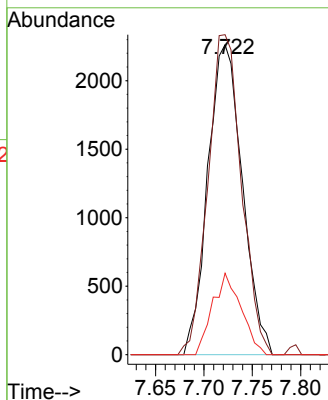
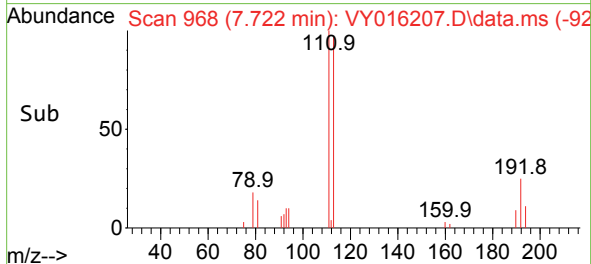


#35
 Dibromofluoromethane
 Concen: 43.121 ug/l
 RT: 7.722 min Scan# 90
 Delta R.T. -0.006 min
 Lab File: VY016207.D
 Acq: 03 Nov 2023 12:02

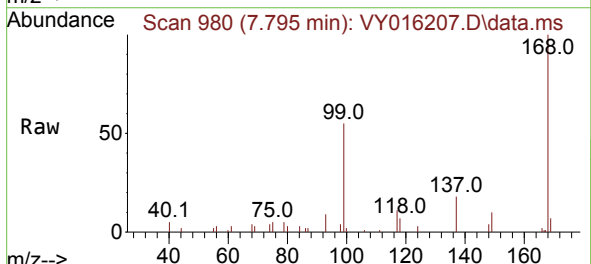
Instrument :
 MSVOA_Y
 ClientSampleId :



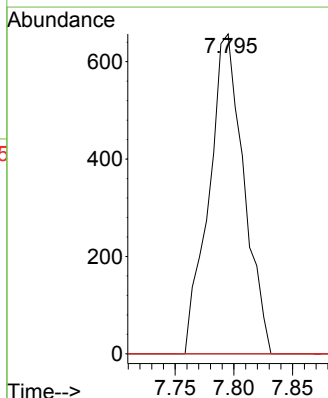
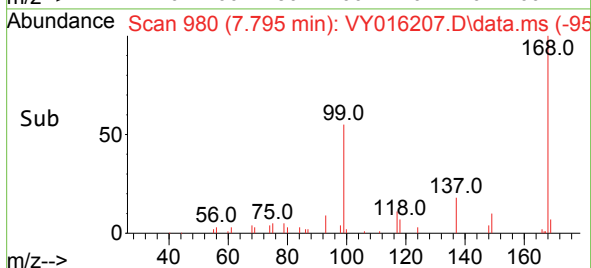
Tgt Ion:113 Resp: 5622
 Ion Ratio Lower Upper
 113 100
 111 99.7 81.3 121.9
 192 21.7 16.9 25.3

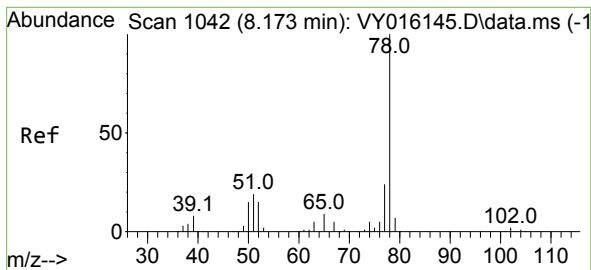


#38
 Carbon Tetrachloride
 Concen: 7.265 ug/l
 RT: 7.795 min Scan# 980
 Delta R.T. -0.116 min
 Lab File: VY016207.D
 Acq: 03 Nov 2023 12:02



Tgt Ion:117 Resp: 1355
 Ion Ratio Lower Upper
 117 100
 119 0.0 76.4 114.6#
 121 0.0 25.8 38.6#





#40

Benzene

Concen: 1.406 ug/l

RT: 8.173 min Scan# 1042

Delta R.T. -0.000 min

Lab File: VY016207.D

Acq: 03 Nov 2023 12:02

Instrument :

MSVOA_Y

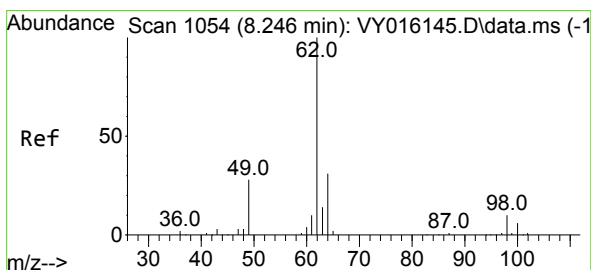
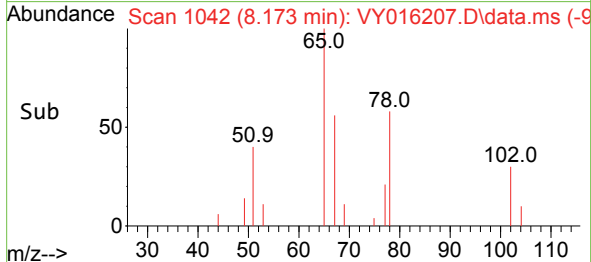
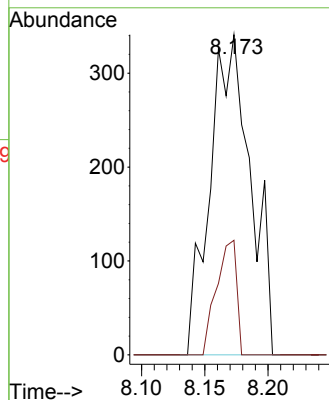
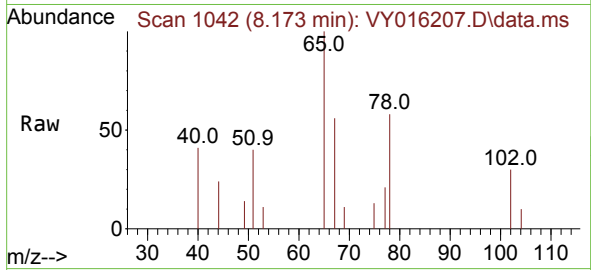
ClientSampleId :

Tgt Ion: 78 Resp: 760

Ion Ratio Lower Upper

78 100

77 35.8 19.0 28.6#



#42

1,2-Dichloroethane

Concen: 4.203 ug/l

RT: 8.240 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VY016207.D

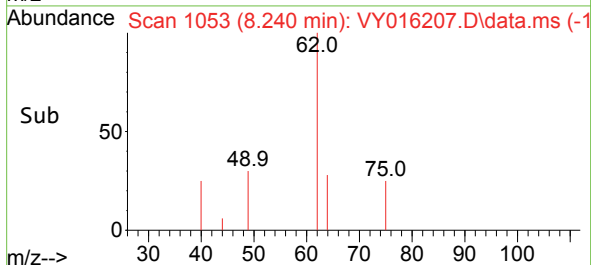
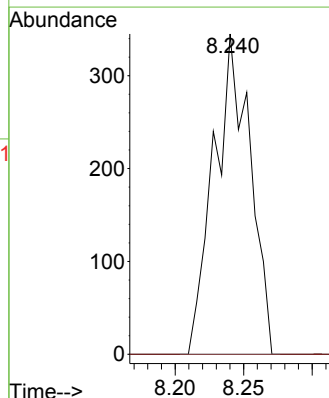
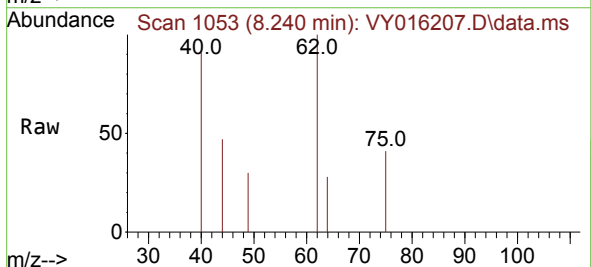
Acq: 03 Nov 2023 12:02

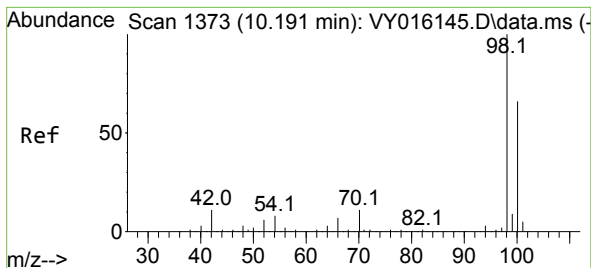
Tgt Ion: 62 Resp: 634

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8





#50

Toluene-d8

Concen: 47.255 ug/l

RT: 10.185 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY016207.D

Acq: 03 Nov 2023 12:02

Instrument :

MSVOA_Y

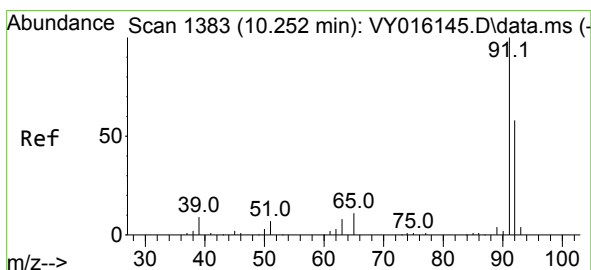
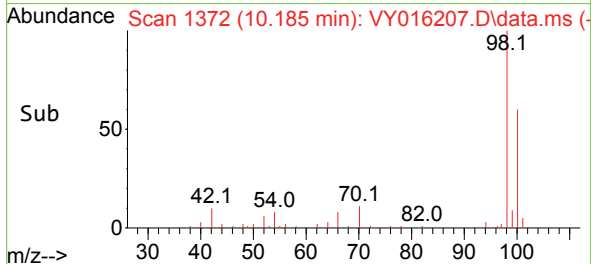
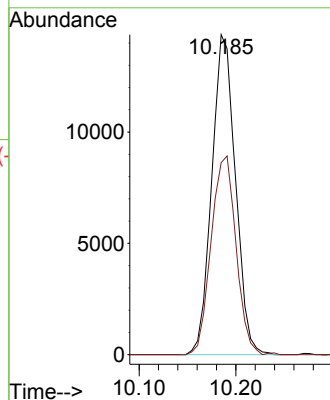
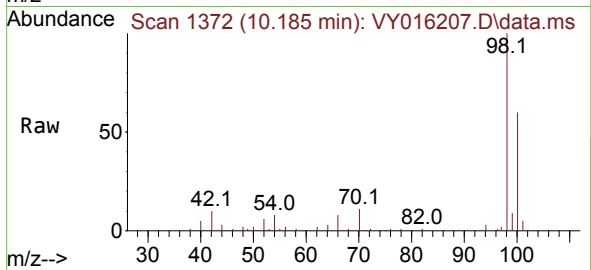
ClientSampleId :

Tgt Ion: 98 Resp: 24427

Ion Ratio Lower Upper

98 100

100 65.4 50.1 75.1



#52

Toluene

Concen: 4.194 ug/l

RT: 10.252 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VY016207.D

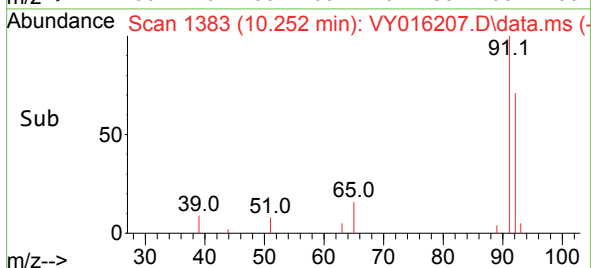
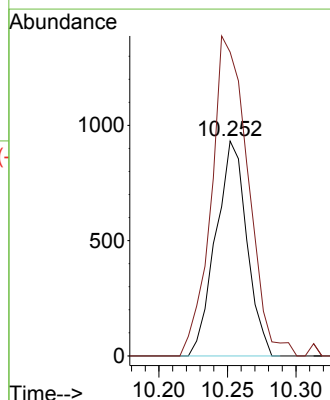
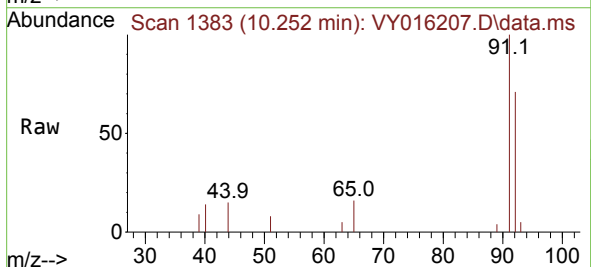
Acq: 03 Nov 2023 12:02

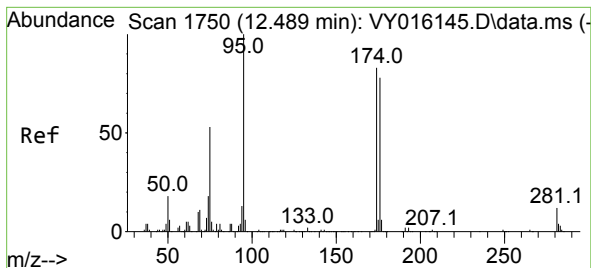
Tgt Ion: 92 Resp: 1469

Ion Ratio Lower Upper

92 100

91 176.2 143.8 215.6

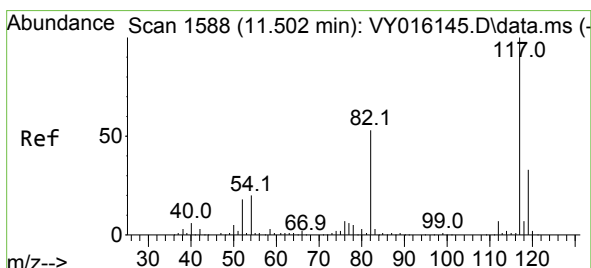
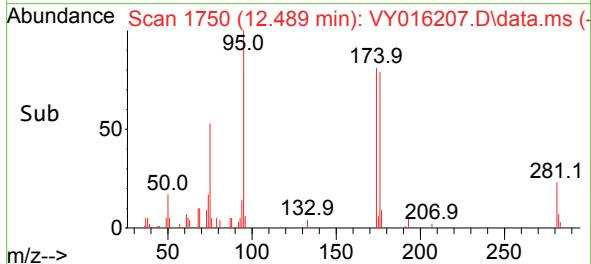
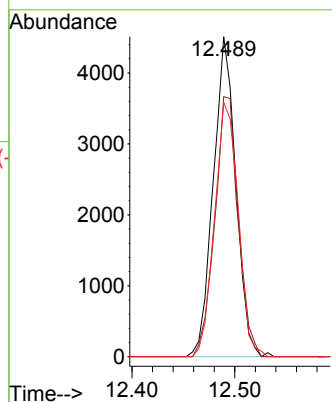
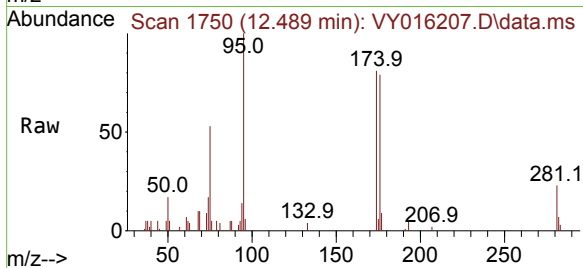




#62
4-Bromofluorobenzene
Concen: 38.861 ug/l
RT: 12.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY016207.D
Acq: 03 Nov 2023 12:02

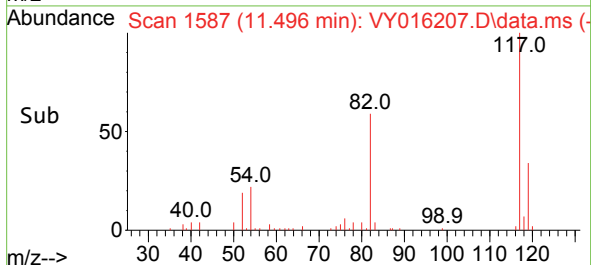
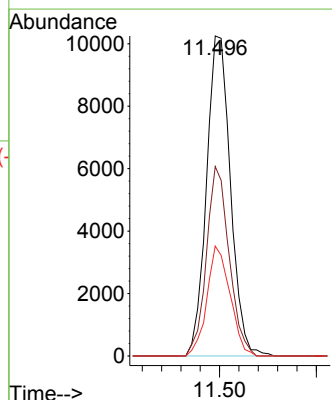
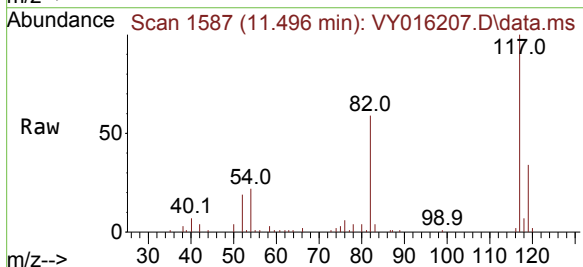
Instrument :
MSVOA_Y
ClientSampleId :

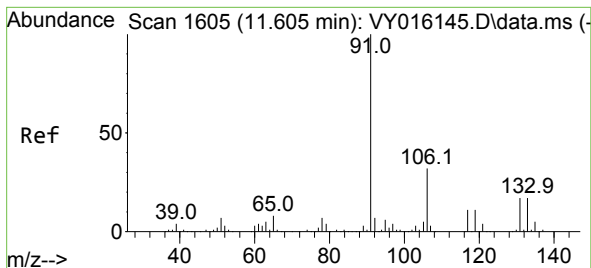
Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	178.2
176	83.2	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.006 min
Lab File: VY016207.D
Acq: 03 Nov 2023 12:02

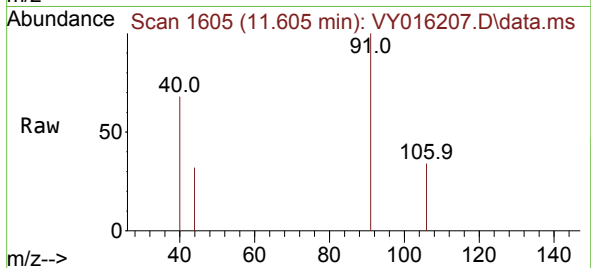
Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.2	43.4	65.0
119	34.4	26.3	39.5



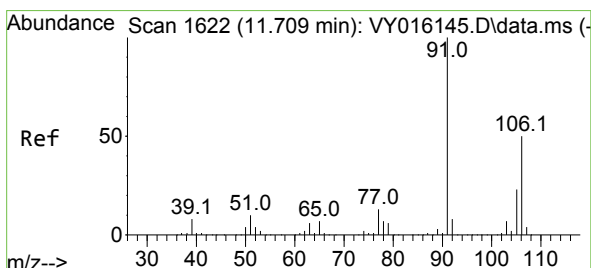
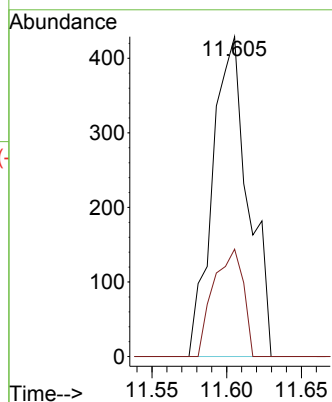
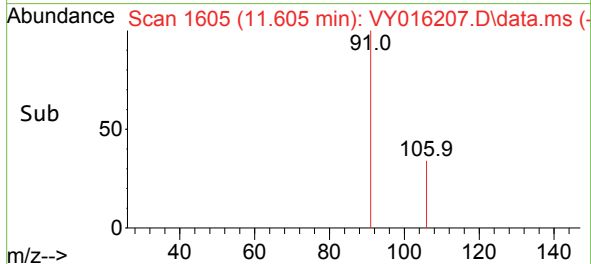


#67
Ethyl Benzene
Concen: 1.136 ug/l
RT: 11.605 min Scan# 1605
Delta R.T. -0.000 min
Lab File: VY016207.D
Acq: 03 Nov 2023 12:02

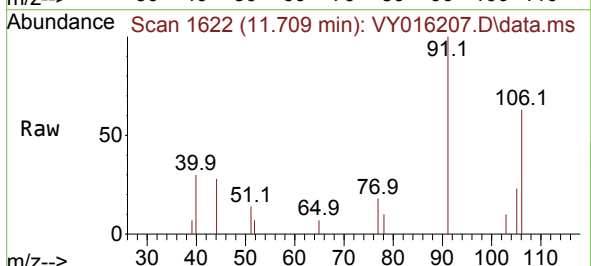
Instrument :
MSVOA_Y
ClientSampleId :



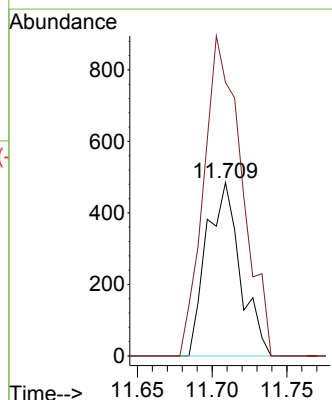
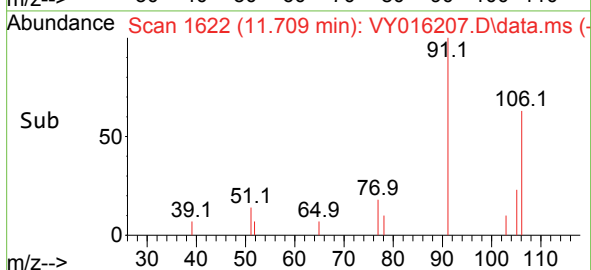
Tgt Ion: 91 Resp: 712
Ion Ratio Lower Upper
91 100
106 33.6 24.6 36.8

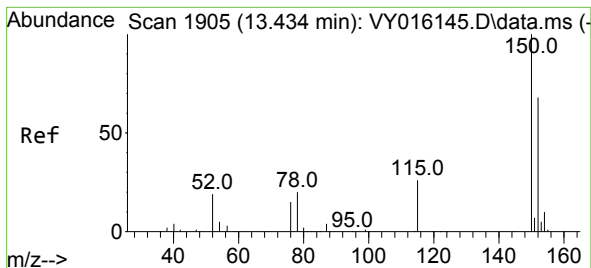


#68
m/p-Xylenes
Concen: 3.135 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. -0.000 min
Lab File: VY016207.D
Acq: 03 Nov 2023 12:02



Tgt Ion: 106 Resp: 759
Ion Ratio Lower Upper
106 100
91 208.7 166.1 249.1

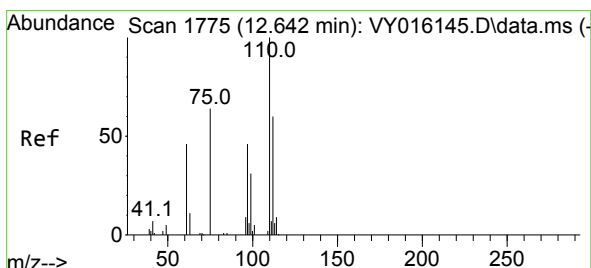
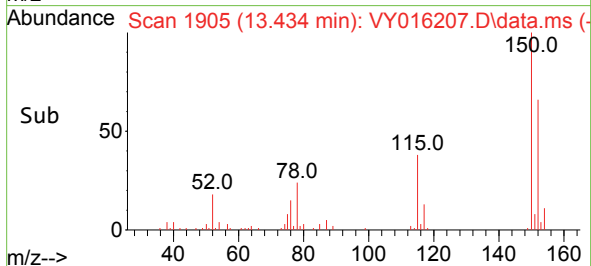
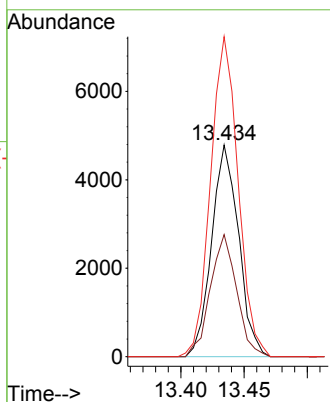
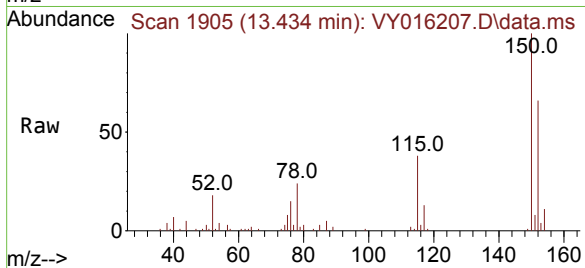




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.434 min Scan# 1905
 Delta R.T. -0.000 min
 Lab File: VY016207.D
 Acq: 03 Nov 2023 12:02

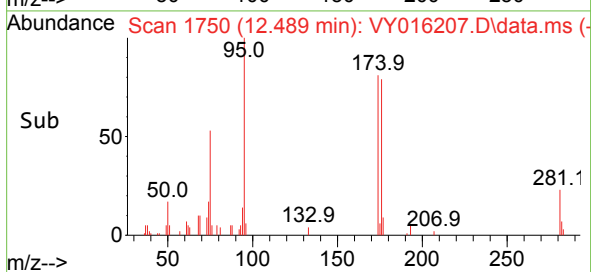
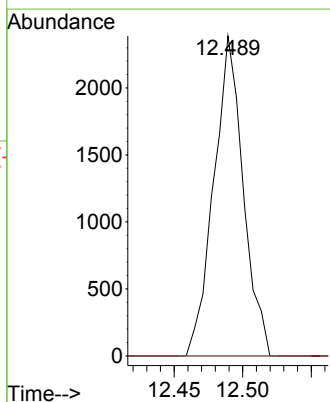
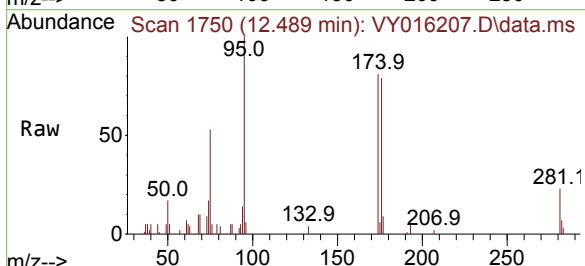
Instrument :
 MSVOA_Y
 ClientSampleId :

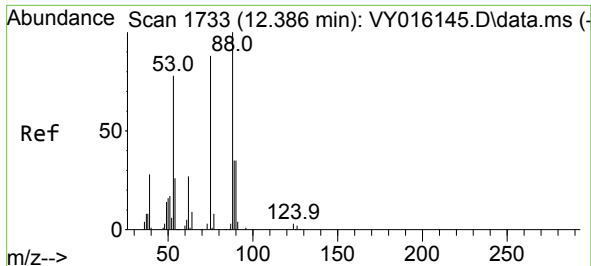
Tgt Ion:152 Resp: 7103
 Ion Ratio Lower Upper
 152 100
 115 56.4 28.8 86.5
 150 154.2 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 53.371 ug/l
 RT: 12.489 min Scan# 1750
 Delta R.T. -0.152 min
 Lab File: VY016207.D
 Acq: 03 Nov 2023 12:02

Tgt Ion: 75 Resp: 3570
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

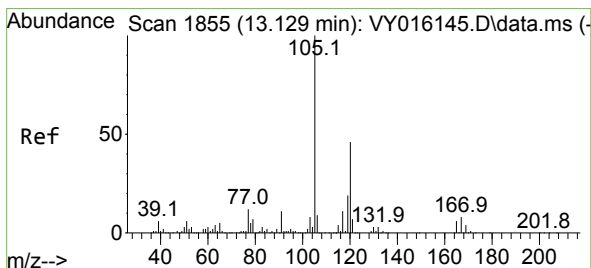
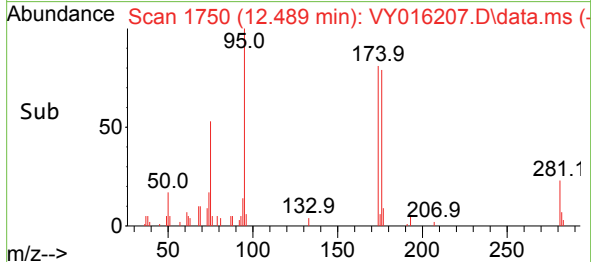
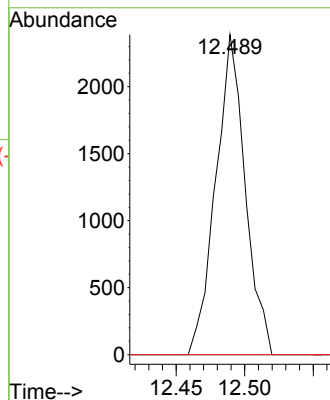
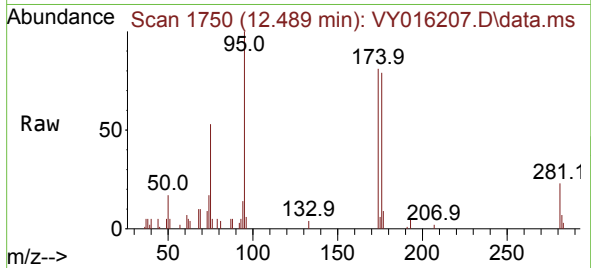




#81
trans-1,4-Dichloro-2-butene
Concen: 115.722 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY016207.D
Acq: 03 Nov 2023 12:02

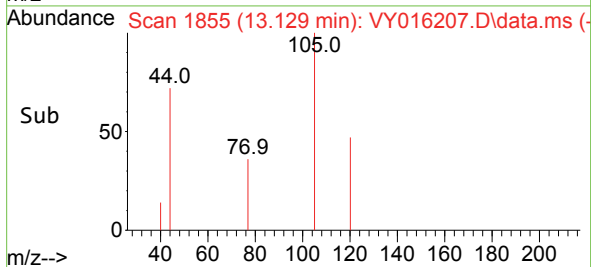
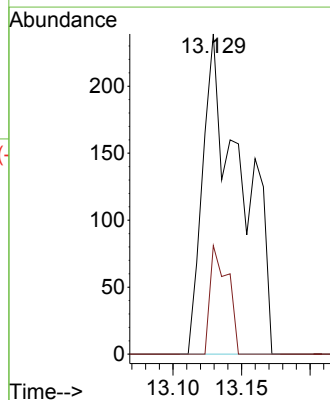
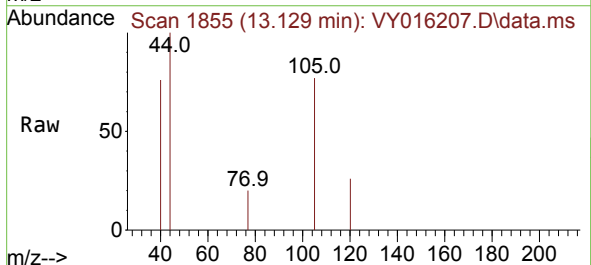
Instrument :
MSVOA_Y
ClientSampleId :

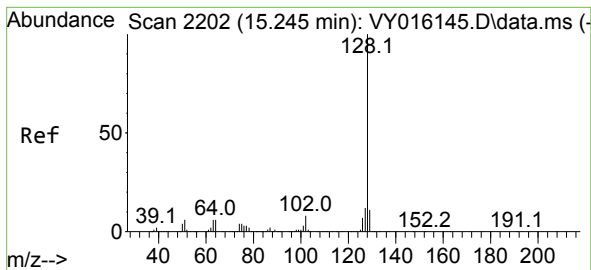
Tgt Ion: 75 Resp: 3570
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#84
1,2,4-Trimethylbenzene
Concen: 1.096 ug/l
RT: 13.129 min Scan# 1855
Delta R.T. -0.000 min
Lab File: VY016207.D
Acq: 03 Nov 2023 12:02

Tgt Ion: 105 Resp: 468
Ion Ratio Lower Upper
105 100
120 15.6 22.2 66.6#





#95

Naphthalene

Concen: 2.201 ug/l

RT: 15.245 min Scan# 21

Delta R.T. -0.000 min

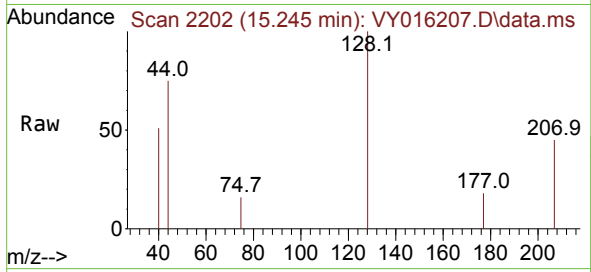
Lab File: VY016207.D

Acq: 03 Nov 2023 12:02

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 544

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 0.0 8.6 13.0#

