

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051822\
 Data File : VY008846.D
 Acq On : 19 May 2022 04:32
 Operator : KP/MD
 Sample : N2869-19
 Misc : 6.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P032-SS001-1824-01

Quant Time: May 19 06:56:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 07:32:50 2022
 Response via : Initial Calibration

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

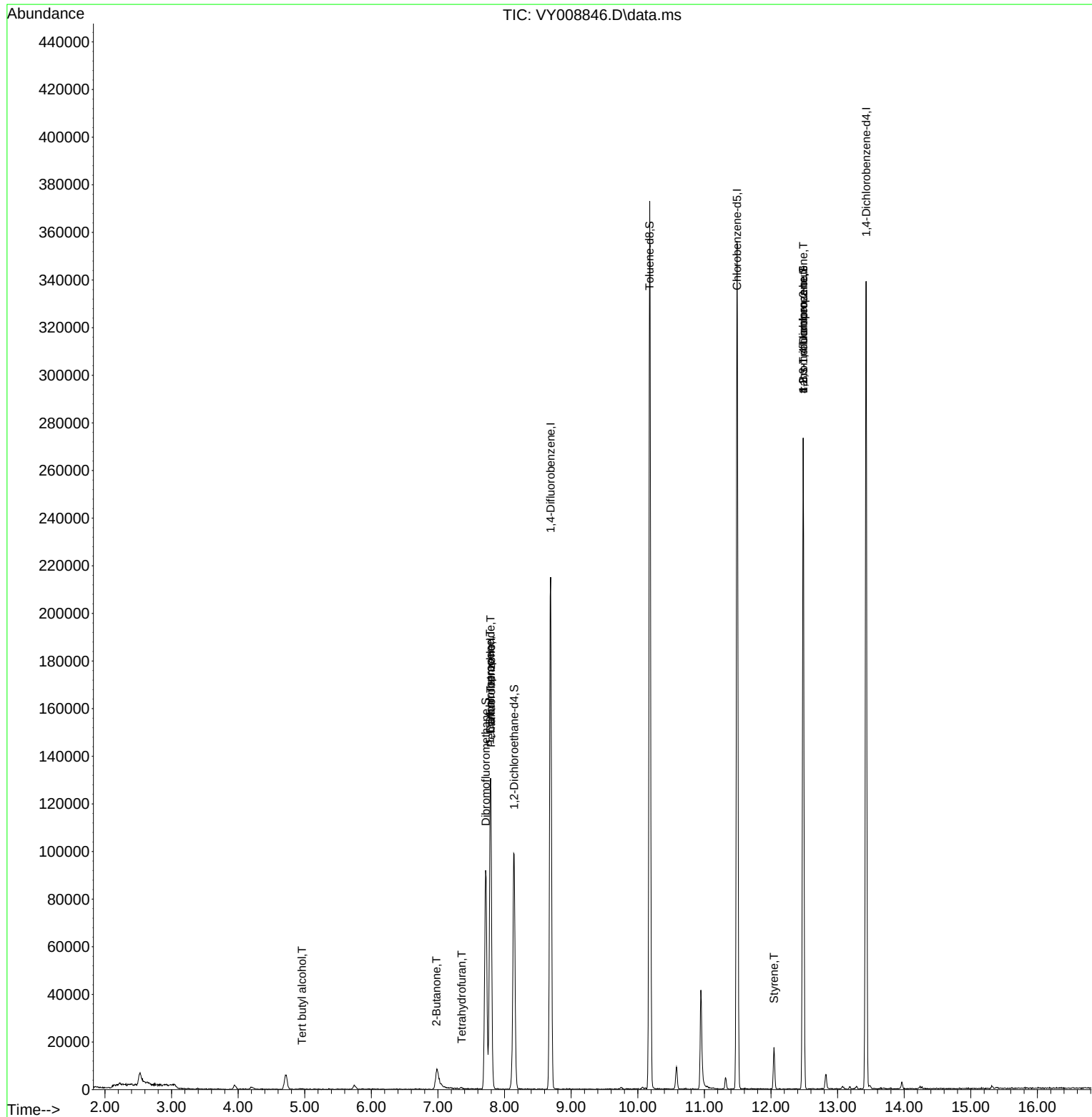
Internal Standards						
1) Pentafluorobenzene	7.795	168	101195	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	185136	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	183959	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	81182	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	71956	76.647	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	153.300%
35) Dibromofluoromethane	7.716	113	64099	59.257	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	118.520%
50) Toluene-d8	10.179	98	235990	49.139	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.280%
62) 4-Bromofluorobenzene	12.483	95	72169	42.613	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	85.220%
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	65	Below Cal	#	44
4) Vinyl Chloride	2.247	62	30	Below Cal	#	43
5) Bromomethane	2.662	94	198	Below Cal	#	66
6) Chloroethane	2.692	64	50	Below Cal	#	43
11) Tert butyl alcohol	4.960	59	426	4.106	ug/l #	77
16) Acetone	3.948	43	2796	Below Cal		94
20) Methylene Chloride	4.723	84	5054	Below Cal	#	73
25) 2-Butanone	6.978	43	800	2.031	ug/l #	87
29) Tetrahydrofuran	7.356	42	489	1.863	ug/l #	50
31) Cyclohexane	7.789	56	2451	Below Cal	#	52
36) 1,1-Dichloropropene	7.783	75	9096	5.250	ug/l #	49
38) Carbon Tetrachloride	7.789	117	10227	5.508	ug/l #	17
70) Styrene	12.044	104	8101	1.955	ug/l #	82
76) 1,2,3-Trichloropropane	12.483	75	41516	44.271	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	41516	96.833	ug/l #	7

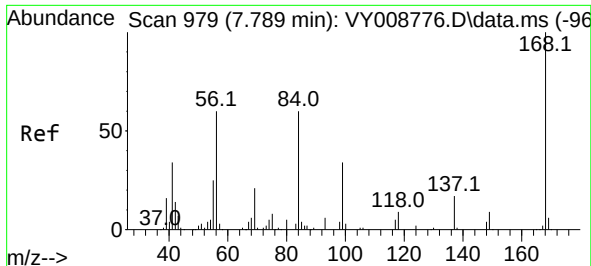
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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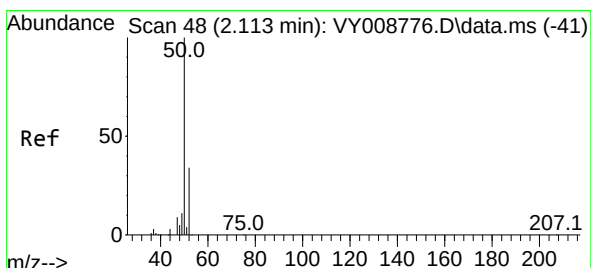
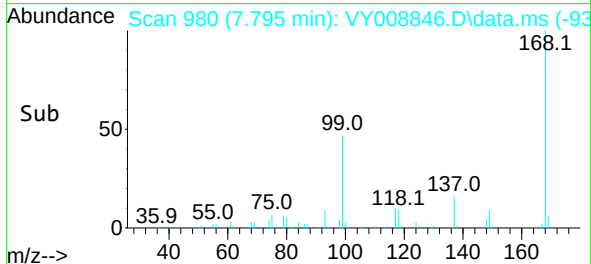
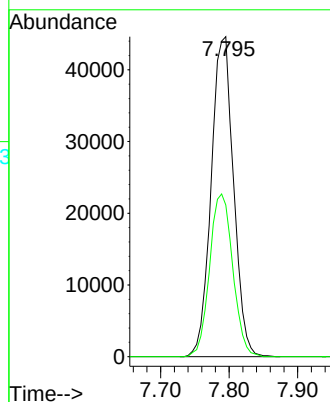
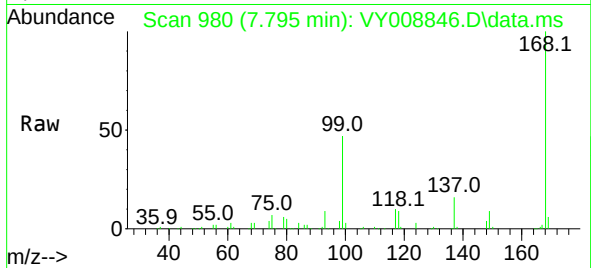




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008846.D
Acq: 19 May 2022 04:32

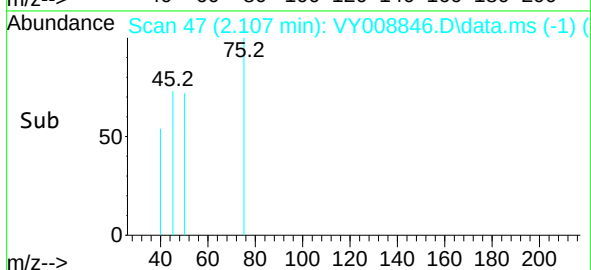
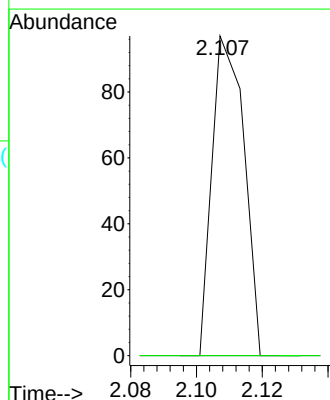
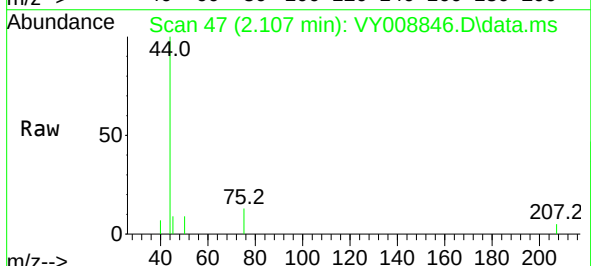
Instrument :
MSVOA_Y
ClientSampleId :
P032-SS001-1824-01

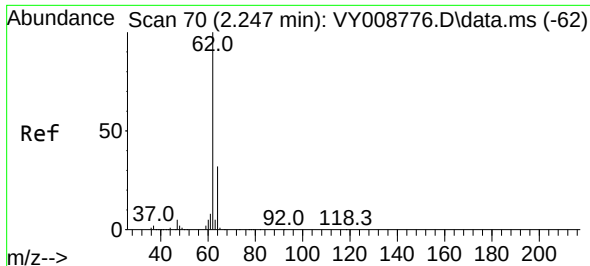
Tgt Ion:168 Resp: 101195
Ion Ratio Lower Upper
168 100
99 47.4 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. -0.006 min
Lab File: VY008846.D
Acq: 19 May 2022 04:32

Tgt Ion: 50 Resp: 65
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

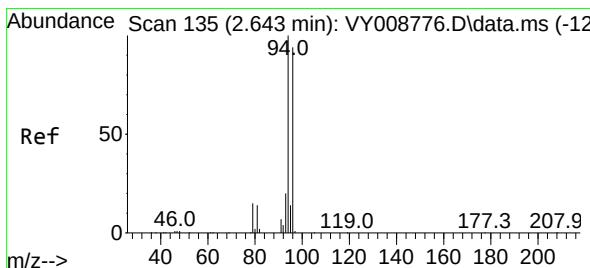
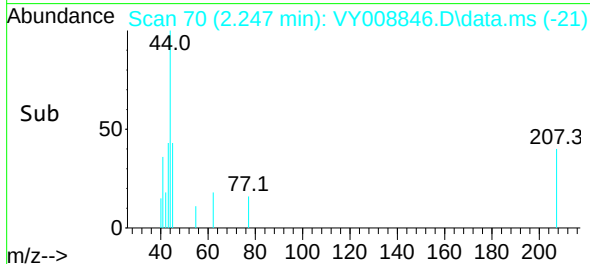
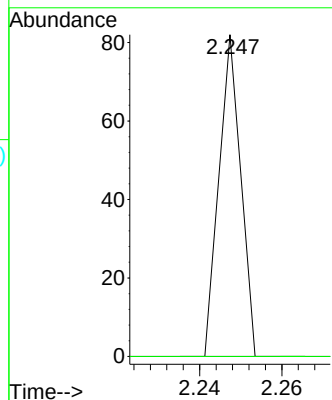
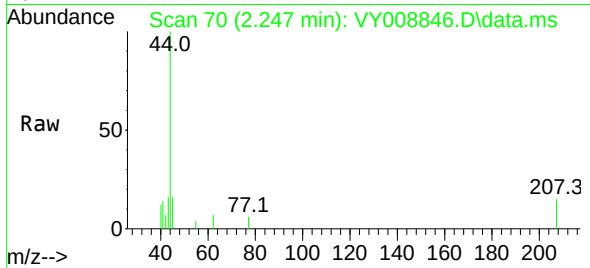




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.247 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VY008846.D
 Acq: 19 May 2022 04:32

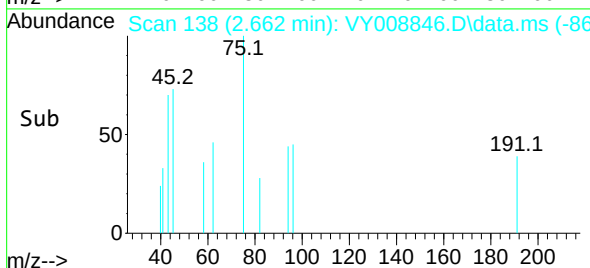
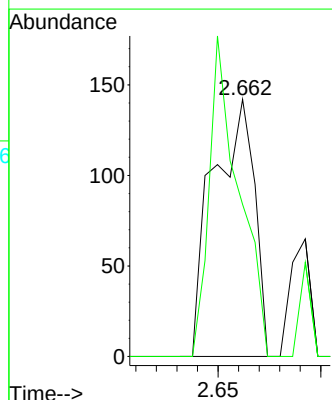
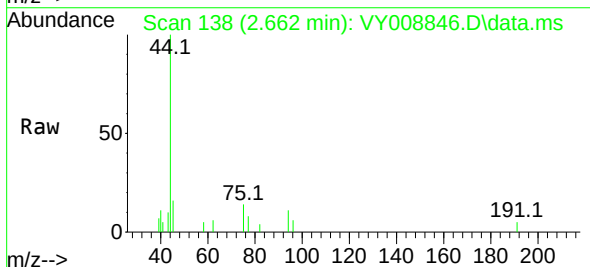
Instrument :
 MSVOA_Y
 ClientSampleId :
 P032-SS001-1824-01

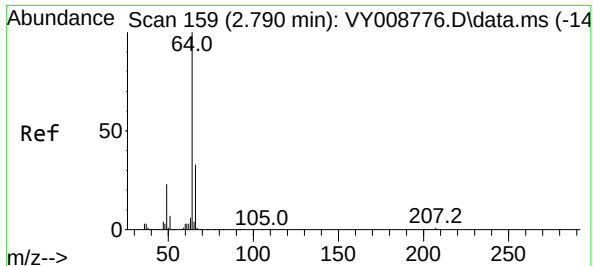
Tgt Ion: 62 Resp: 30
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.662 min Scan# 138
 Delta R.T. 0.019 min
 Lab File: VY008846.D
 Acq: 19 May 2022 04:32

Tgt Ion: 94 Resp: 198
 Ion Ratio Lower Upper
 94 100
 96 59.2 73.5 110.3#

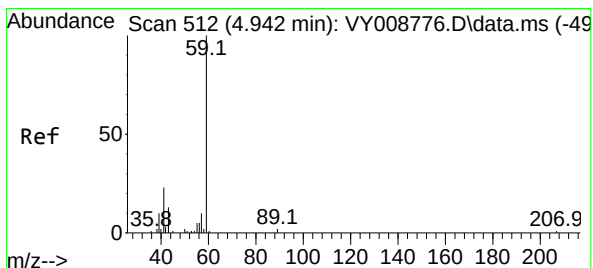
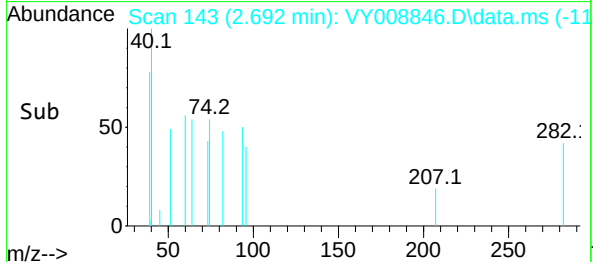
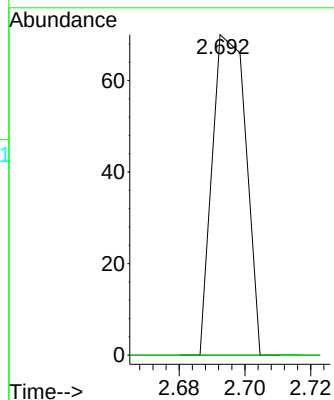
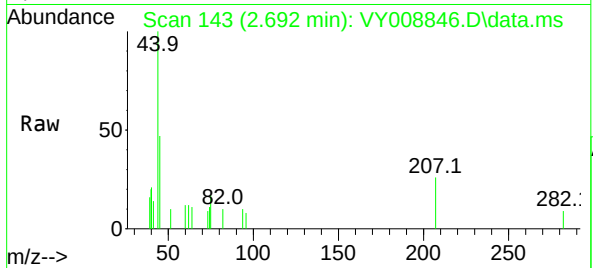




#6
Chloroethane
Concen: Below Cal
RT: 2.692 min Scan# 14
Delta R.T. -0.098 min
Lab File: VY008846.D
Acq: 19 May 2022 04:32

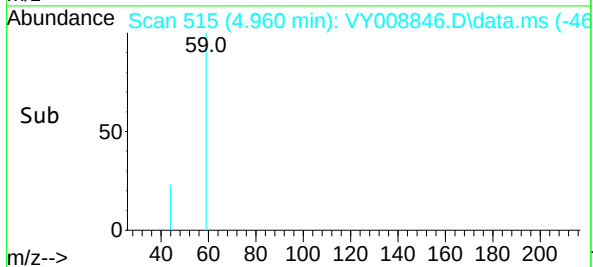
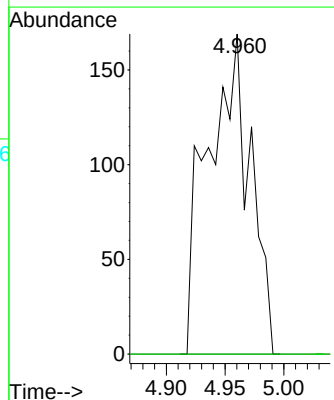
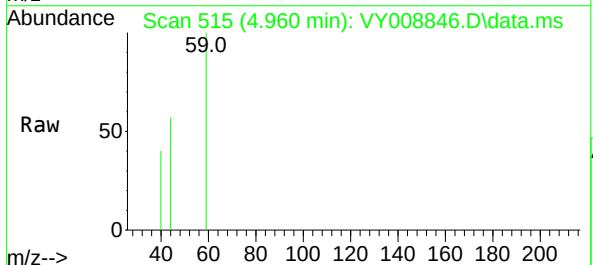
Instrument :
MSVOA_Y
ClientSampleId :
P032-SS001-1824-01

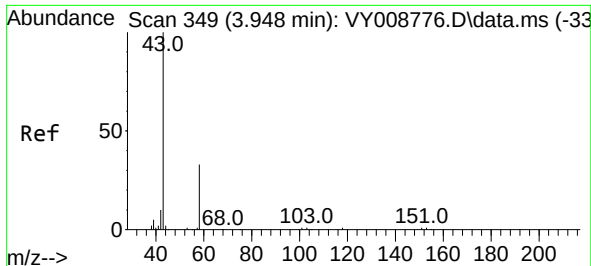
Tgt Ion: 64 Resp: 50
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 4.106 ug/l
RT: 4.960 min Scan# 515
Delta R.T. 0.018 min
Lab File: VY008846.D
Acq: 19 May 2022 04:32

Tgt Ion: 59 Resp: 426
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: Below Cal

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY008846.D

Acq: 19 May 2022 04:32

Instrument :

MSVOA_Y

ClientSampleId :

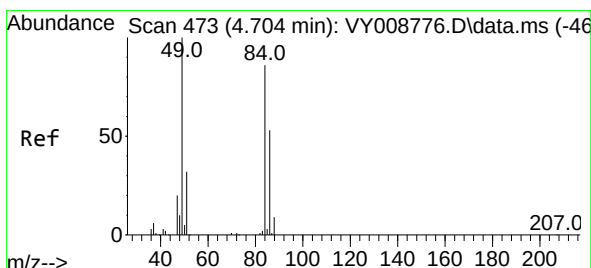
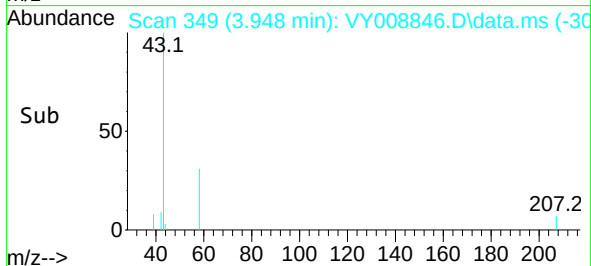
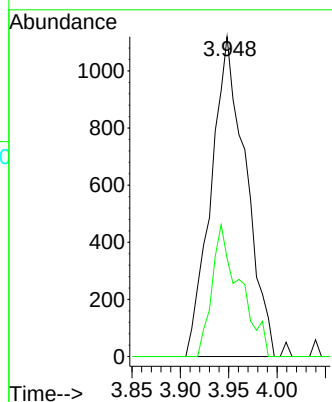
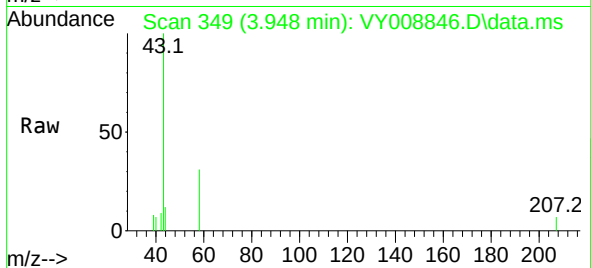
P032-SS001-1824-01

Tgt Ion: 43 Resp: 2796

Ion Ratio Lower Upper

43 100

58 30.7 22.0 33.0



#20

Methylene Chloride

Concen: Below Cal

RT: 4.723 min Scan# 476

Delta R.T. 0.019 min

Lab File: VY008846.D

Acq: 19 May 2022 04:32

Tgt Ion: 84 Resp: 5054

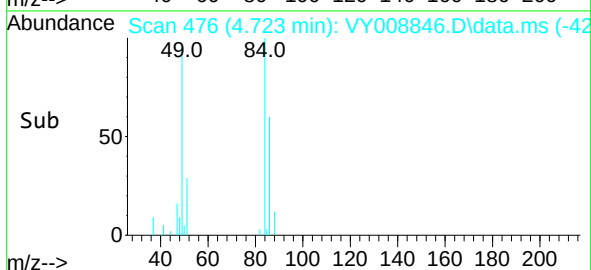
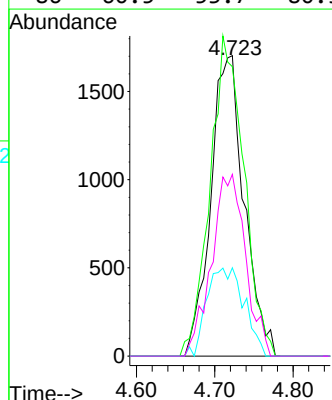
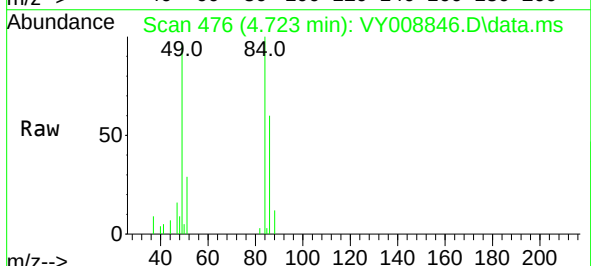
Ion Ratio Lower Upper

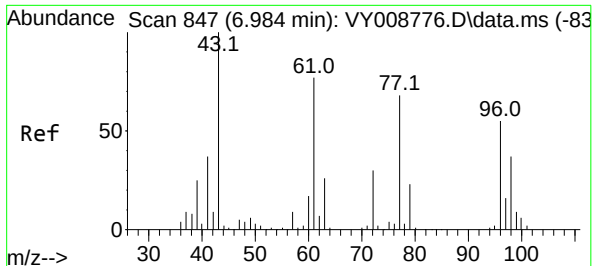
84 100

49 96.4 114.4 171.6#

51 29.4 35.3 52.9#

86 60.5 53.7 80.5





#25

2-Butanone

Concen: 2.031 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY008846.D

Acq: 19 May 2022 04:32

Instrument :

MSVOA_Y

ClientSampleId :

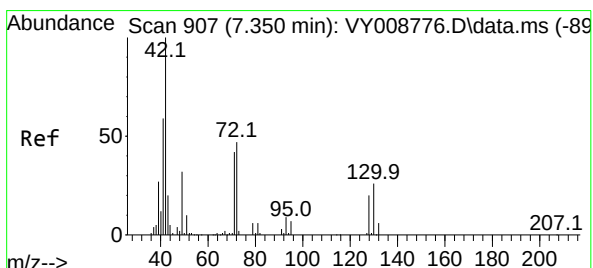
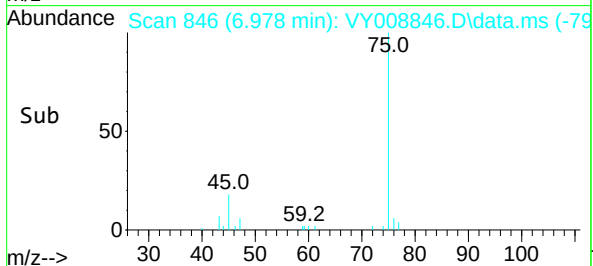
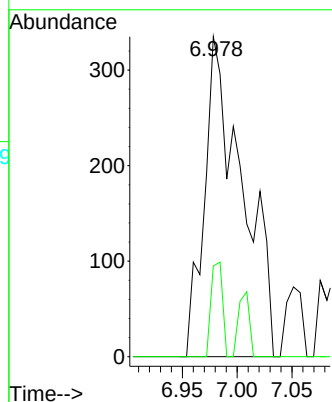
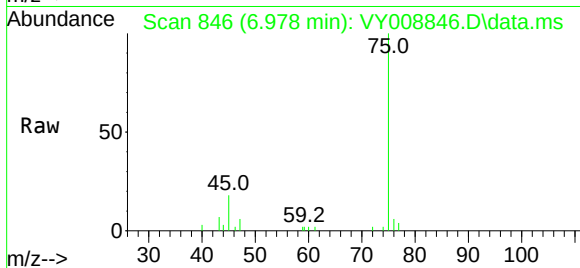
P032-SS001-1824-01

Tgt Ion: 43 Resp: 800

Ion Ratio Lower Upper

43 100

72 28.4 17.7 26.5#



#29

Tetrahydrofuran

Concen: 1.863 ug/l

RT: 7.356 min Scan# 908

Delta R.T. 0.006 min

Lab File: VY008846.D

Acq: 19 May 2022 04:32

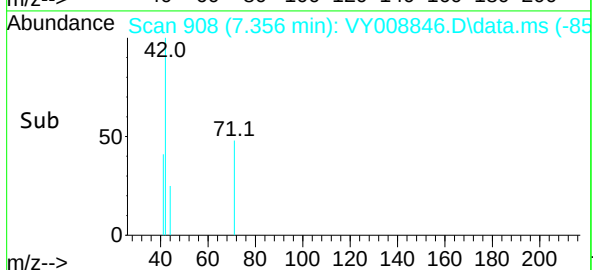
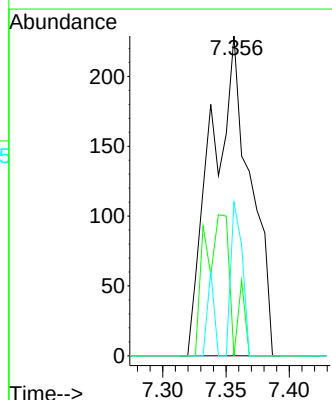
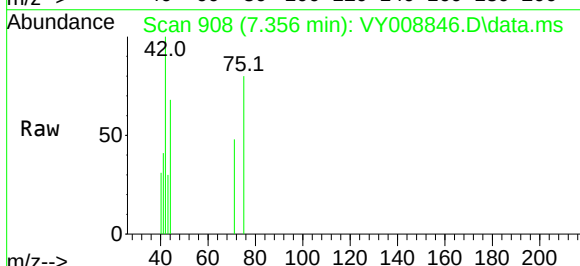
Tgt Ion: 42 Resp: 489

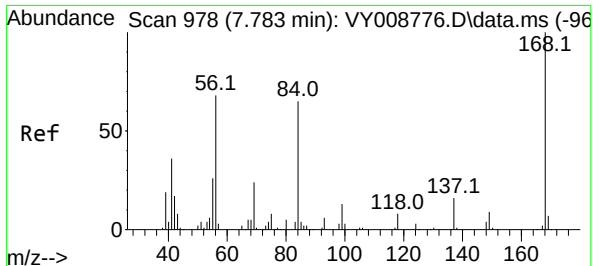
Ion Ratio Lower Upper

42 100

72 0.0 30.3 45.5#

71 14.1 29.0 43.4#

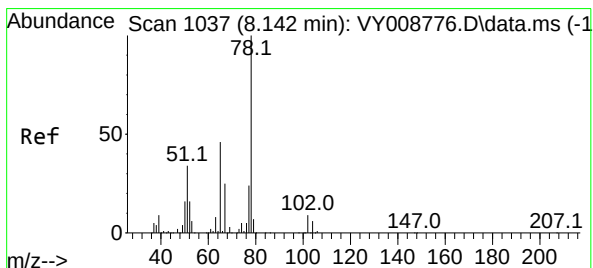
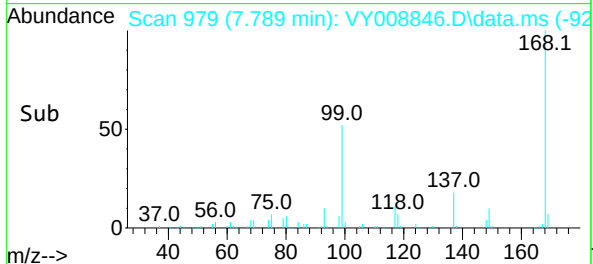
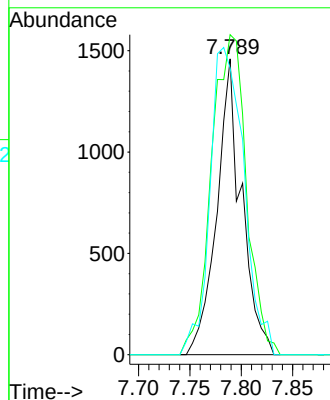
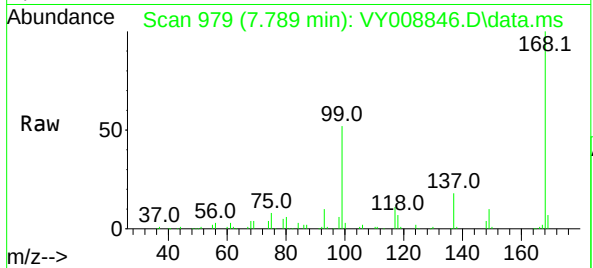




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008846.D
Acq: 19 May 2022 04:32

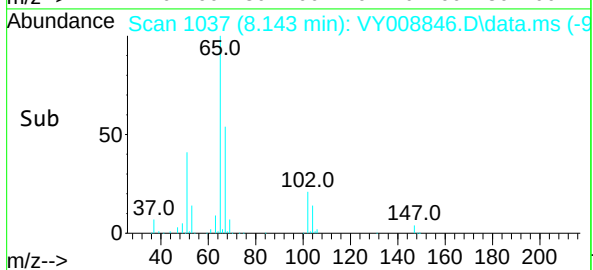
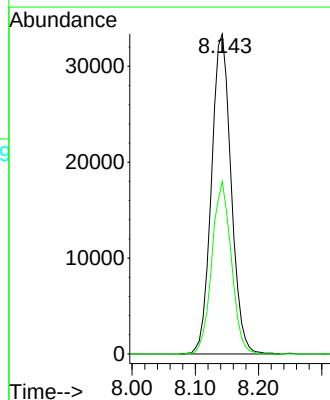
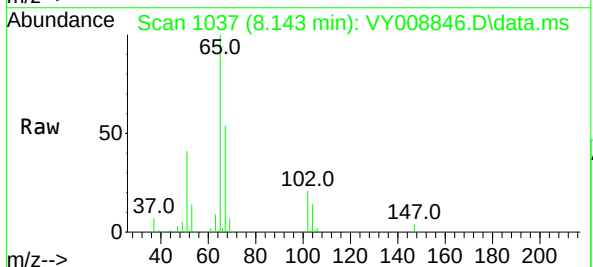
Instrument :
MSVOA_Y
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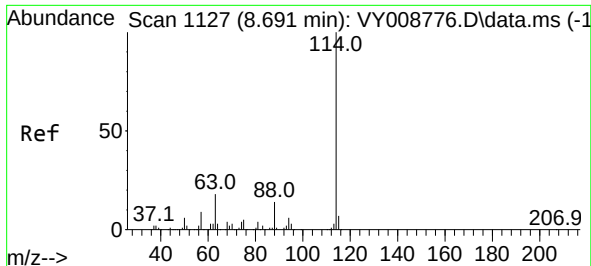
Tgt Ion: 56 Resp: 2451
Ion Ratio Lower Upper
56 100
69 108.2 26.7 40.1#
84 96.9 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 76.647 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY008846.D
Acq: 19 May 2022 04:32

Tgt Ion: 65 Resp: 71956
Ion Ratio Lower Upper
65 100
67 53.1 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY008846.D

Acq: 19 May 2022 04:32

Instrument :

MSVOA_Y

ClientSampleId :

P032-SS001-1824-01

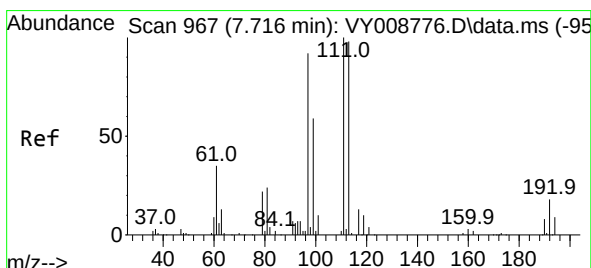
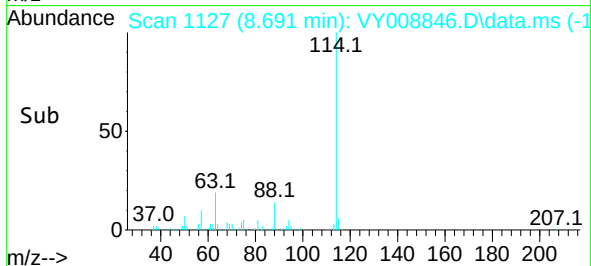
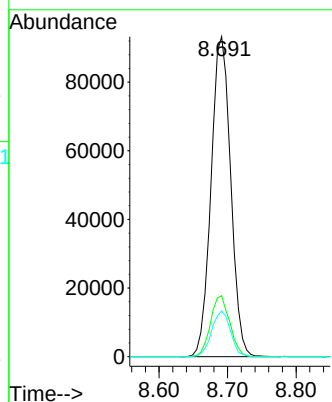
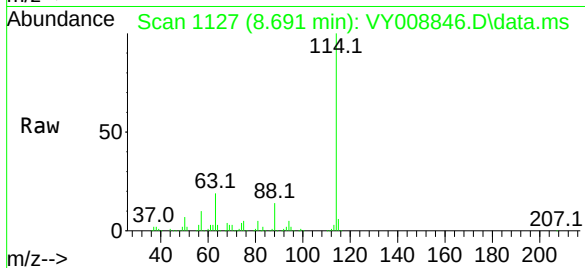
Tgt Ion:114 Resp: 185136

Ion Ratio Lower Upper

114 100

63 19.0 0.0 43.2

88 14.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 59.257 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY008846.D

Acq: 19 May 2022 04:32

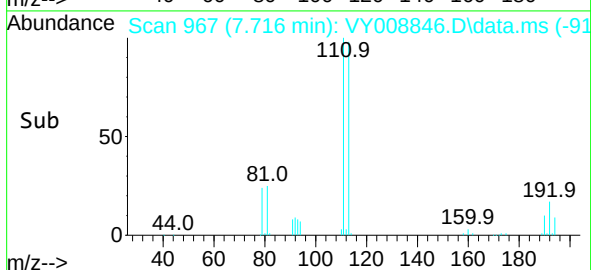
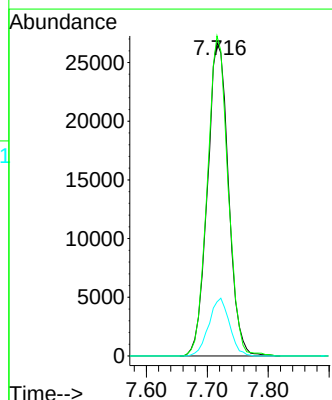
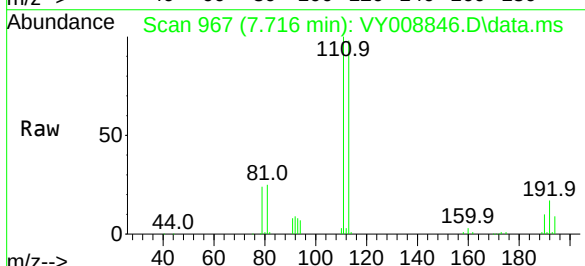
Tgt Ion:113 Resp: 64099

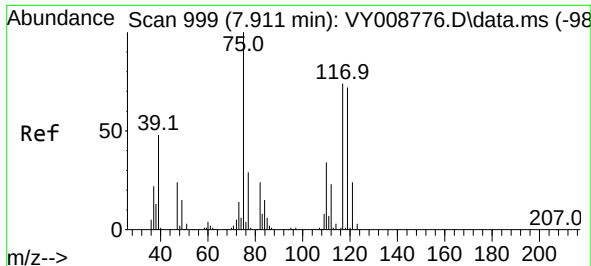
Ion Ratio Lower Upper

113 100

111 100.5 82.6 124.0

192 18.1 17.6 26.4

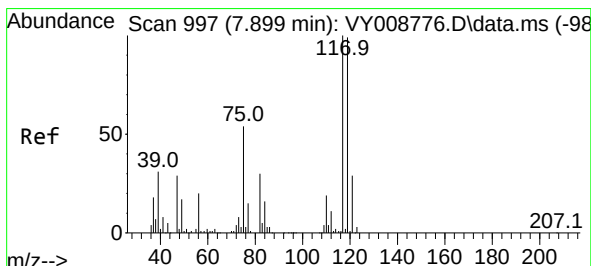
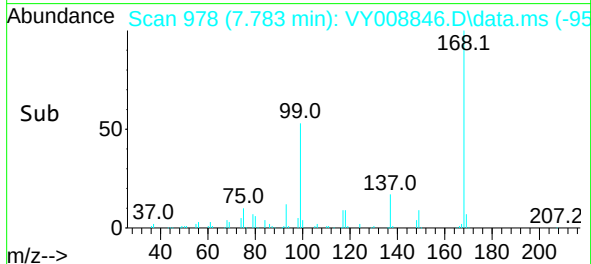
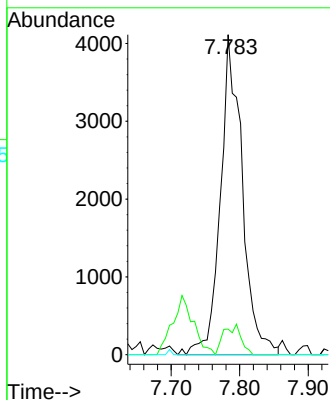
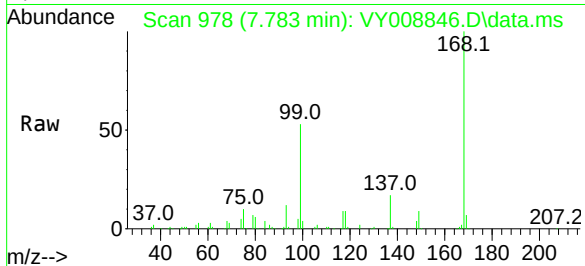




#36
 1,1-Dichloropropene
 Concen: 5.250 ug/l
 RT: 7.783 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY008846.D
 Acq: 19 May 2022 04:32

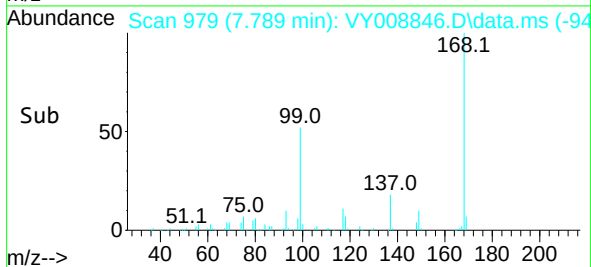
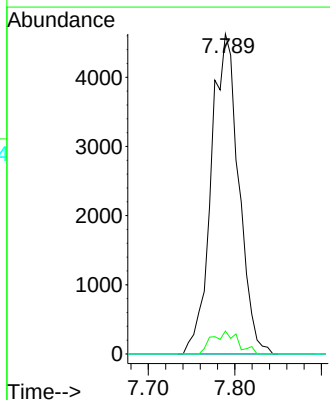
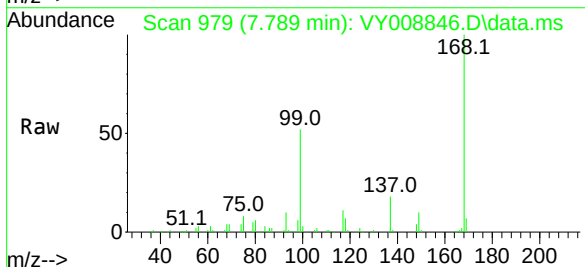
Instrument :
 MSVOA_Y
 ClientSampleId :
 P032-SS001-1824-01

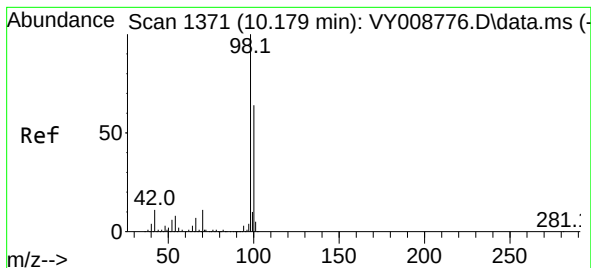
Tgt Ion: 75 Resp: 9096
 Ion Ratio Lower Upper
 75 100
 110 7.5 17.1 51.2#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.508 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.110 min
 Lab File: VY008846.D
 Acq: 19 May 2022 04:32

Tgt Ion: 117 Resp: 10227
 Ion Ratio Lower Upper
 117 100
 119 7.2 77.9 116.9#
 121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 49.139 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY008846.D

Acq: 19 May 2022 04:32

Instrument :

MSVOA_Y

ClientSampleId :

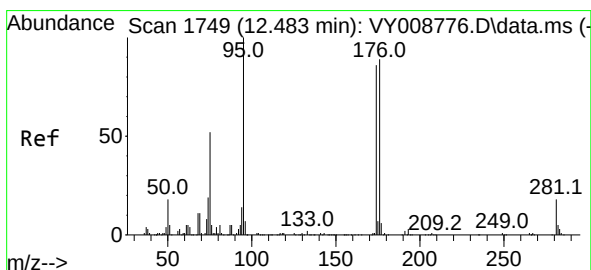
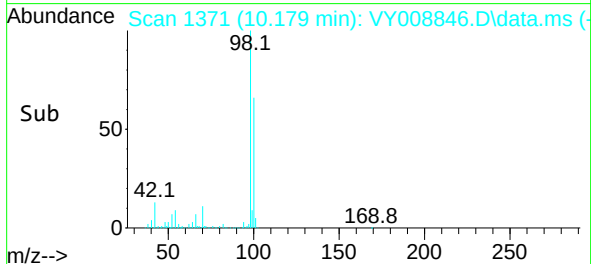
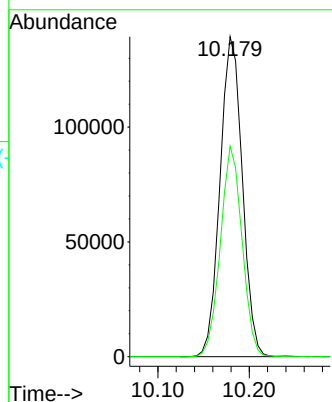
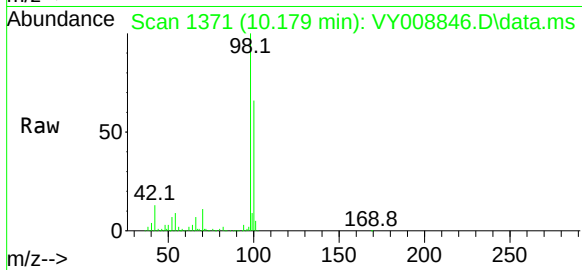
P032-SS001-1824-01

Tgt Ion: 98 Resp: 235990

Ion Ratio Lower Upper

98 100

100 64.1 50.2 75.2



#62

4-Bromofluorobenzene

Concen: 42.613 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY008846.D

Acq: 19 May 2022 04:32

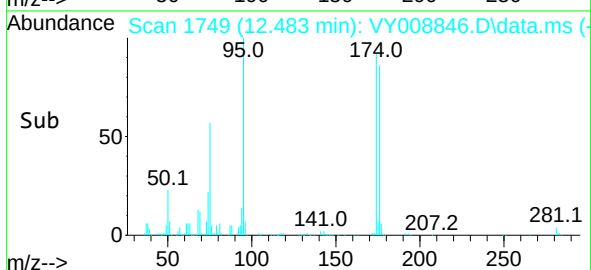
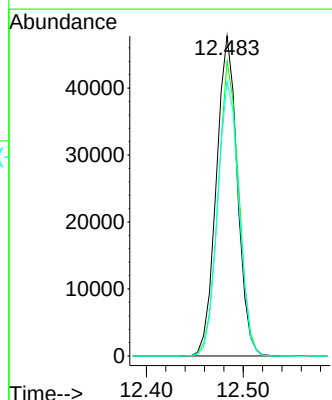
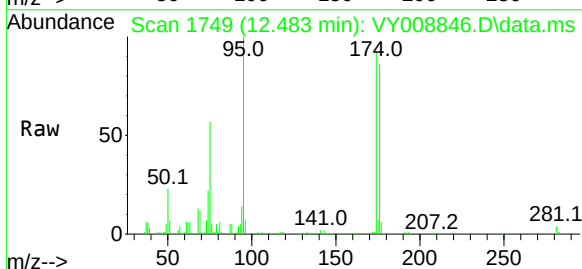
Tgt Ion: 95 Resp: 72169

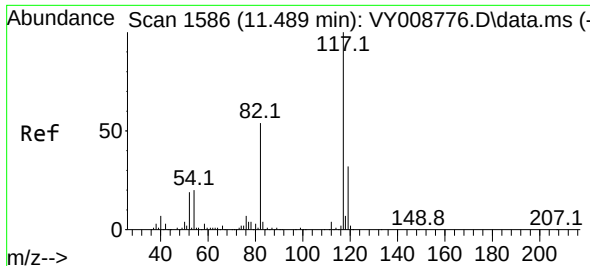
Ion Ratio Lower Upper

95 100

174 91.1 0.0 177.0

176 86.4 0.0 175.8

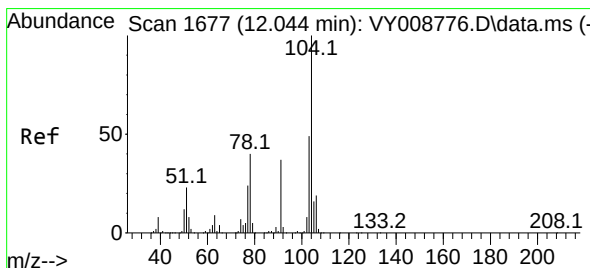
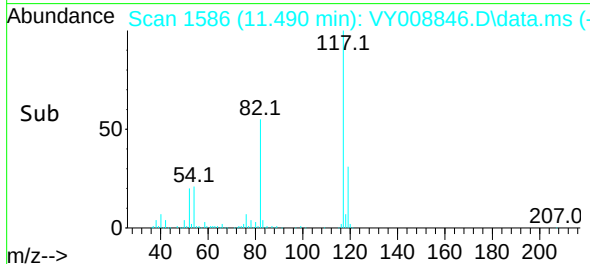
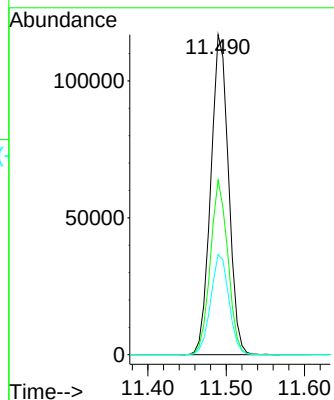
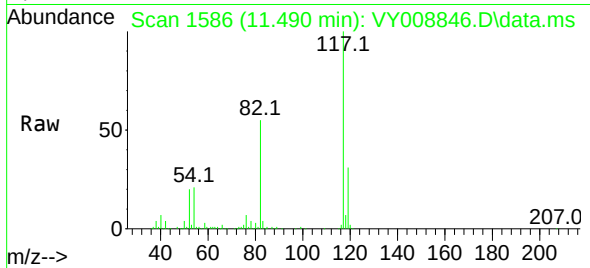




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY008846.D
Acq: 19 May 2022 04:32

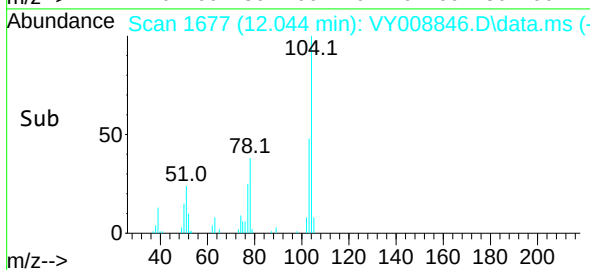
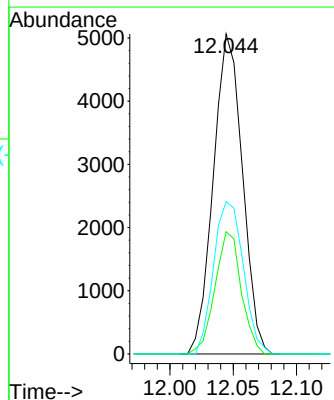
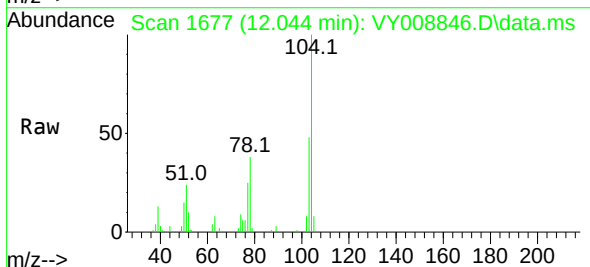
Instrument :
MSVOA_Y
ClientSampleId :
P032-SS001-1824-01

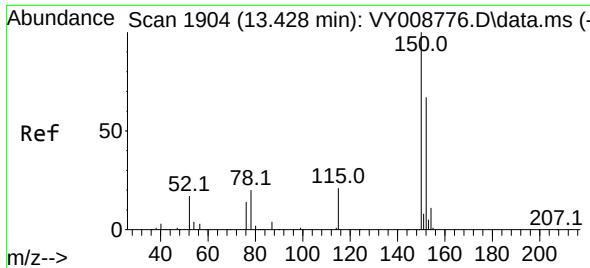
Tgt Ion:	117	Resp:	183959
Ion	Ratio	Lower	Upper
117	100		
82	54.6	43.0	64.4
119	31.3	25.4	38.0



#70
Styrene
Concen: 1.955 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. 0.000 min
Lab File: VY008846.D
Acq: 19 May 2022 04:32

Tgt Ion:	104	Resp:	8101
Ion	Ratio	Lower	Upper
104	100		
78	34.5	42.4	63.6#
103	48.6	44.4	66.6

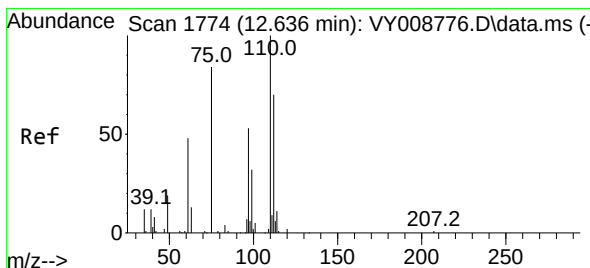
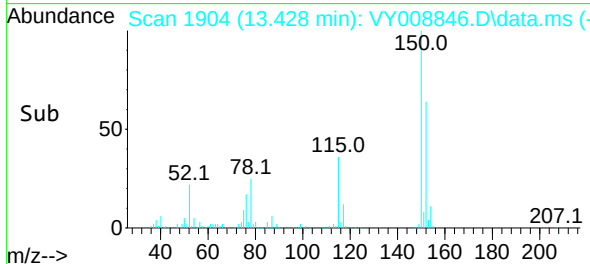
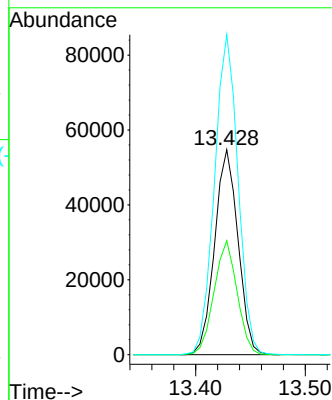
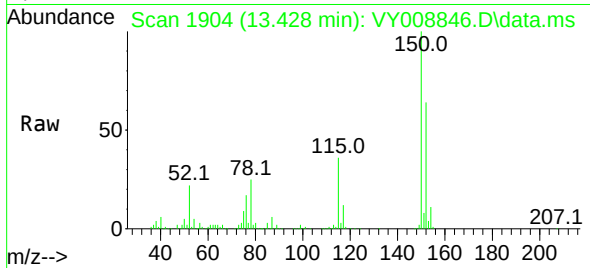




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY008846.D
 Acq: 19 May 2022 04:32

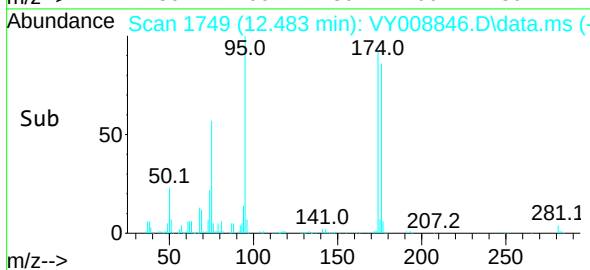
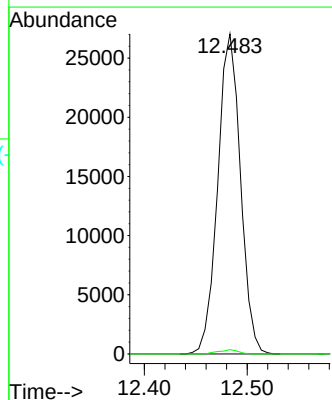
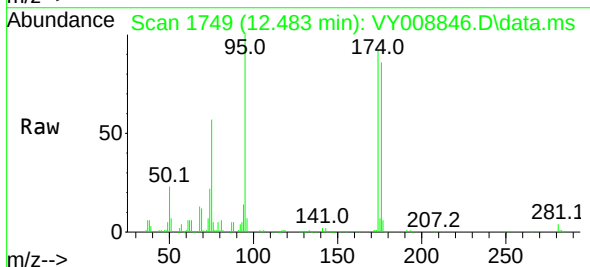
Instrument :
 MSVOA_Y
 ClientSampleId :
 P032-SS001-1824-01

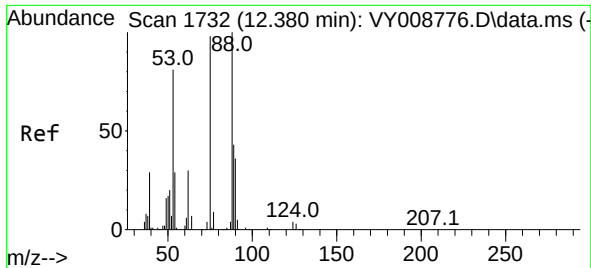
Tgt Ion:152 Resp: 81182
 Ion Ratio Lower Upper
 152 100
 115 54.8 28.2 84.7
 150 156.7 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 44.271 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY008846.D
 Acq: 19 May 2022 04:32

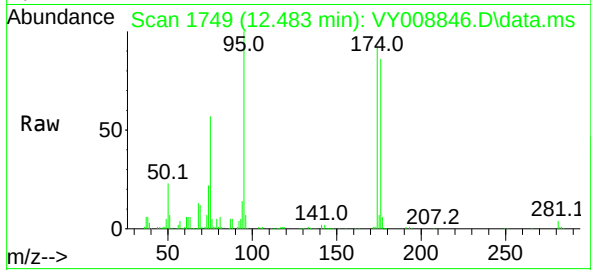
Tgt Ion: 75 Resp: 41516
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.833 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY008846.D
 Acq: 19 May 2022 04:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 P032-SS001-1824-01



Tgt Ion: 75 Resp: 41516
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.1 37.0 55.4#

