

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020724\
 Data File : VY017297.D
 Acq On : 07 Feb 2024 18:24
 Operator : SY/MD
 Sample : P1391-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-1

Quant Time: Feb 08 01:46:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020124S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 02 00:56:04 2024
 Response via : Initial Calibration

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

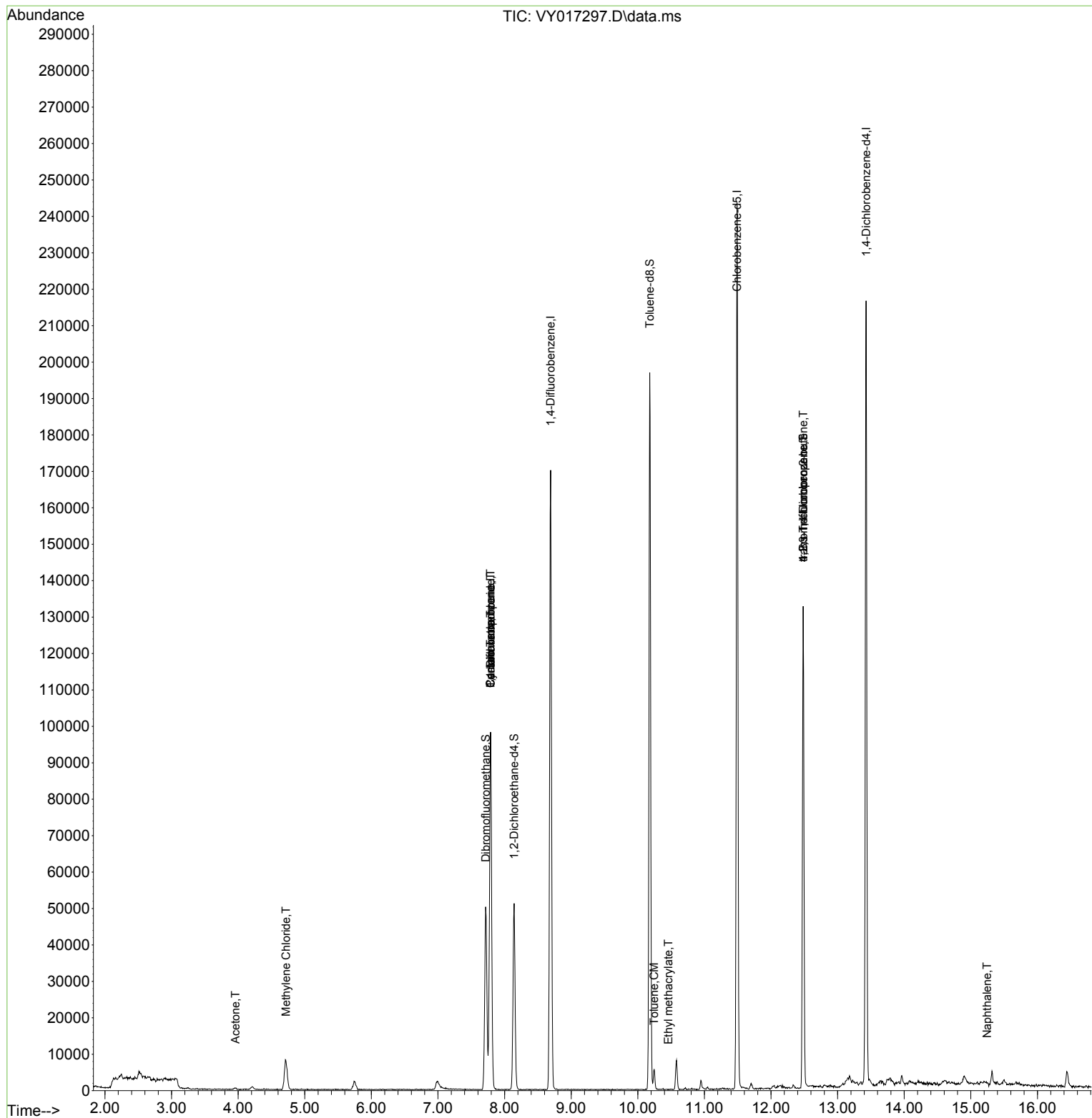
Internal Standards						
1) Pentafluorobenzene	7.789	168	69904	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	138275	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	126234	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.428	152	49852	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	37451	59.972	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.940%
35) Dibromofluoromethane	7.716	113	34418	46.100	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.200%
50) Toluene-d8	10.179	98	125156	46.042	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.080%
62) 4-Bromofluorobenzene	12.483	95	38269	42.976	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.960%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	51	Below Cal	#	75
16) Acetone	3.960	43	690	3.759	ug/l	89
20) Methylene Chloride	4.716	84	5882	4.647	ug/l	95
31) Cyclohexane	7.789	56	1831	1.455	ug/l #	21
36) 1,1-Dichloropropene	7.789	75	6887	5.348	ug/l #	49
38) Carbon Tetrachloride	7.789	117	7546	6.120	ug/l #	17
52) Toluene	10.246	92	2277	1.026	ug/l	95
56) Ethyl methacrylate	10.459	69	20	3.026	ug/l #	27
76) 1,2,3-Trichloropropane	12.483	75	21754	47.278	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	21754	98.238	ug/l #	12
95) Naphthalene	15.245	128	464	3.751	ug/l #	75

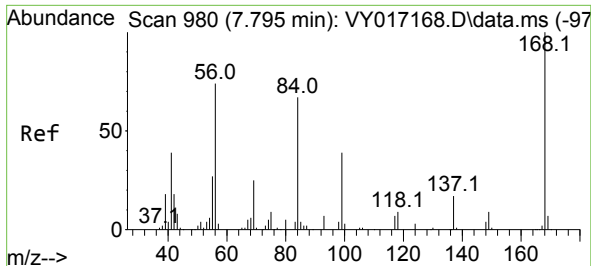
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Feb 02 00:56:04 2024
Response via : Initial Calibration

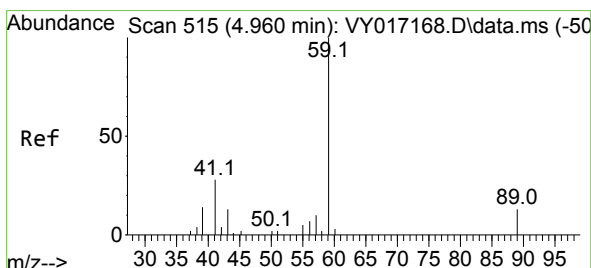
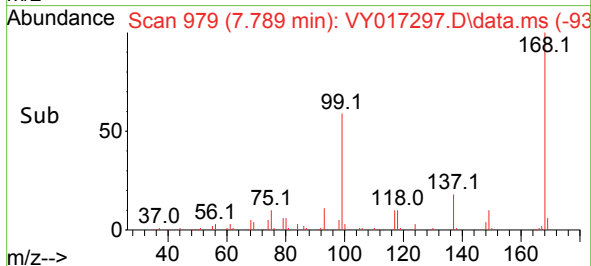
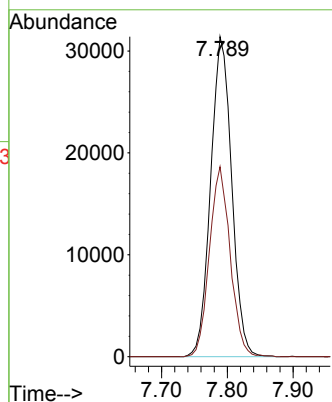
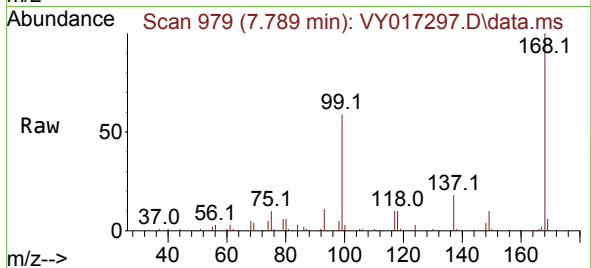




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017297.D
Acq: 07 Feb 2024 18:24

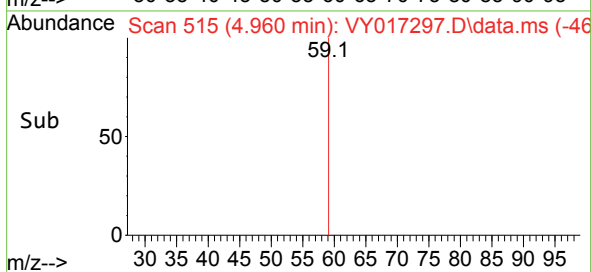
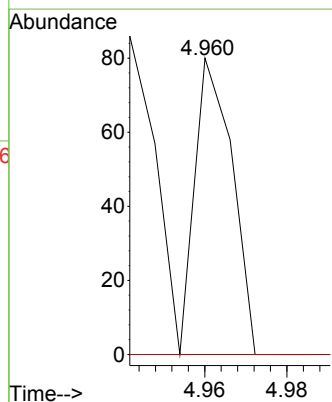
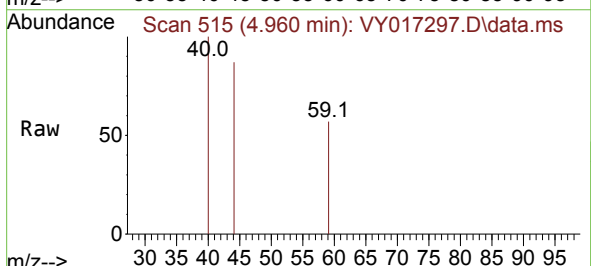
Instrument :
MSVOA_Y
ClientSampleId :
SP-1

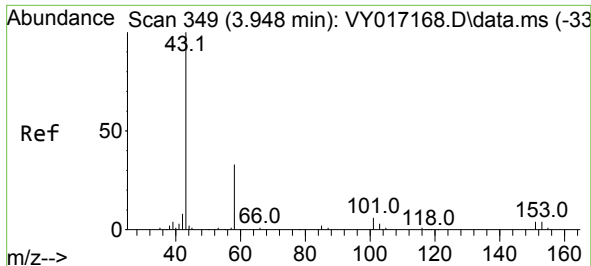
Tgt Ion:168 Resp: 69904
Ion Ratio Lower Upper
168 100
99 59.4 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY017297.D
Acq: 07 Feb 2024 18:24

Tgt Ion: 59 Resp: 51
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 3.759 ug/l

RT: 3.960 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY017297.D

Acq: 07 Feb 2024 18:24

Instrument :

MSVOA_Y

ClientSampleId :

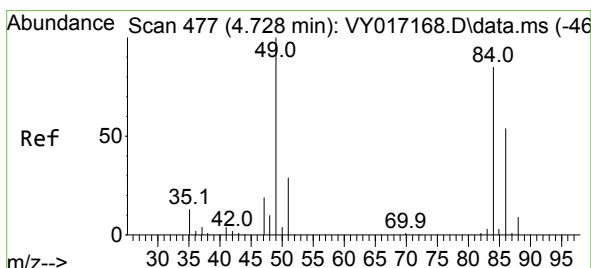
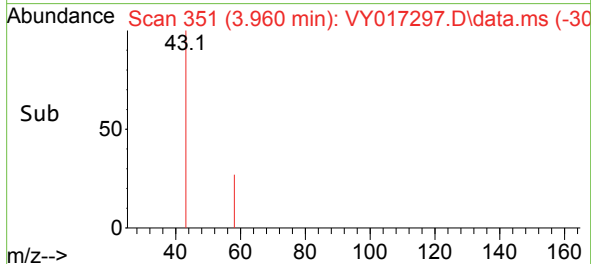
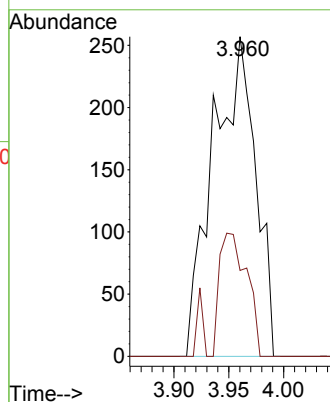
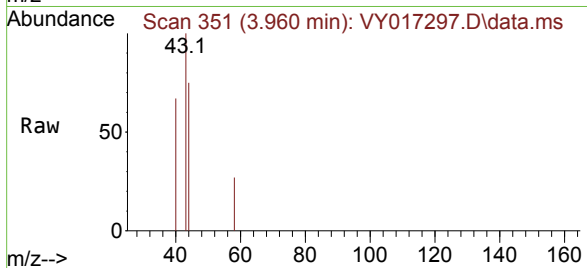
SP-1

Tgt Ion: 43 Resp: 690

Ion Ratio Lower Upper

43 100

58 26.8 26.6 39.8



#20

Methylene Chloride

Concen: 4.647 ug/l

RT: 4.716 min Scan# 475

Delta R.T. -0.012 min

Lab File: VY017297.D

Acq: 07 Feb 2024 18:24

Tgt Ion: 84 Resp: 5882

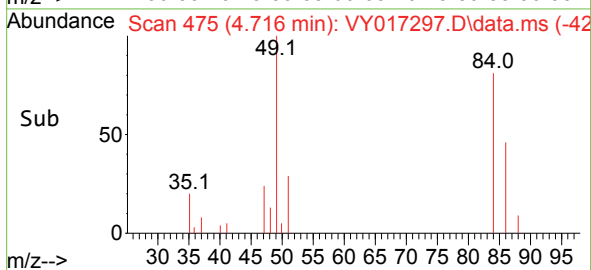
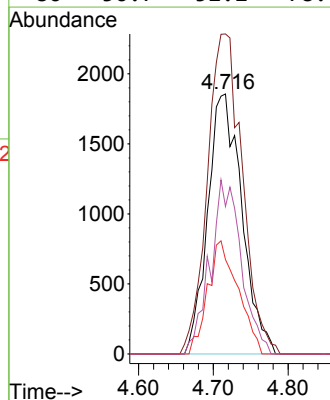
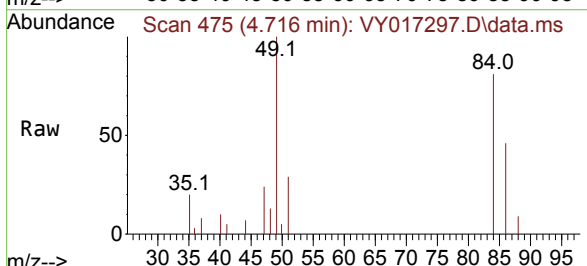
Ion Ratio Lower Upper

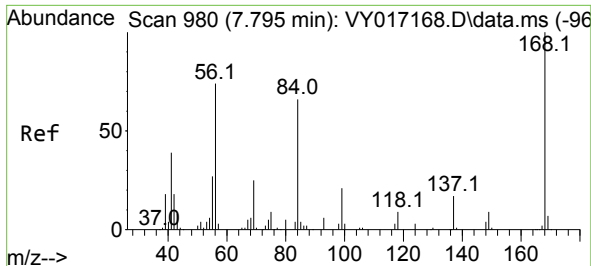
84 100

49 123.0 95.2 142.8

51 36.3 29.9 44.9

86 56.7 52.2 78.4

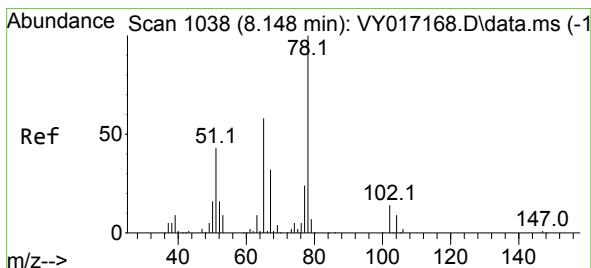
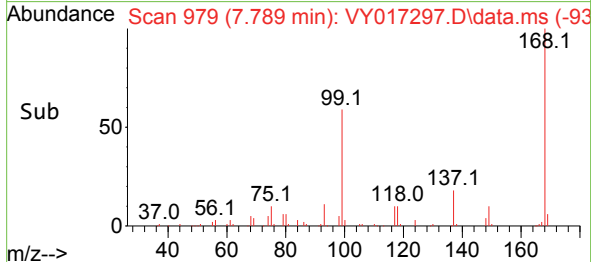
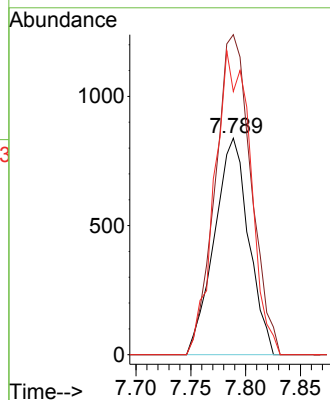
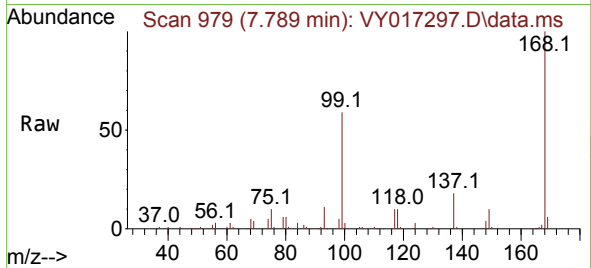




#31
Cyclohexane
Concen: 1.455 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017297.D
Acq: 07 Feb 2024 18:24

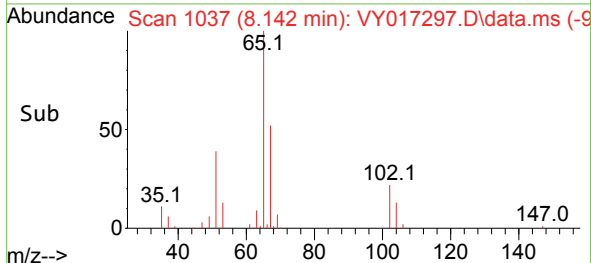
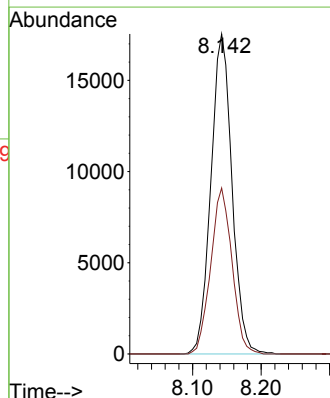
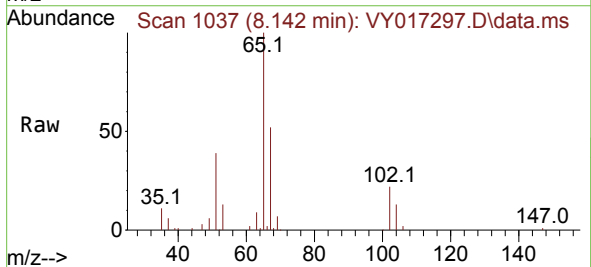
Instrument :
MSVOA_Y
ClientSampleId :
SP-1

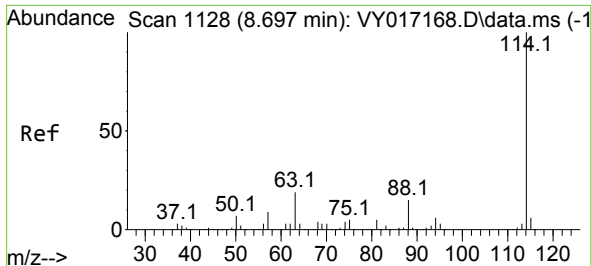
Tgt Ion: 56 Resp: 1831
Ion Ratio Lower Upper
56 100
69 147.9 27.0 40.6#
84 121.6 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 59.972 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY017297.D
Acq: 07 Feb 2024 18:24

Tgt Ion: 65 Resp: 37451
Ion Ratio Lower Upper
65 100
67 52.2 0.0 109.0

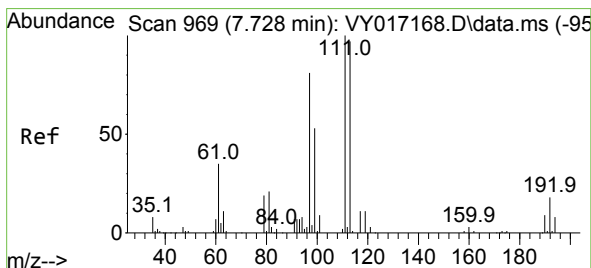
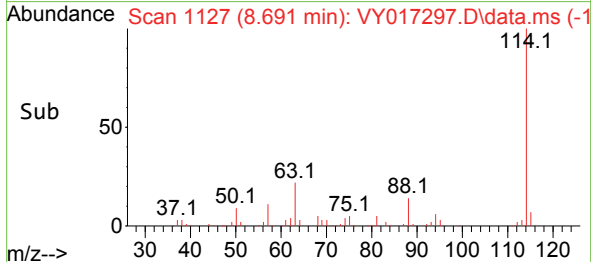
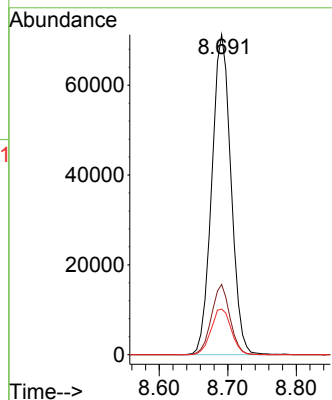
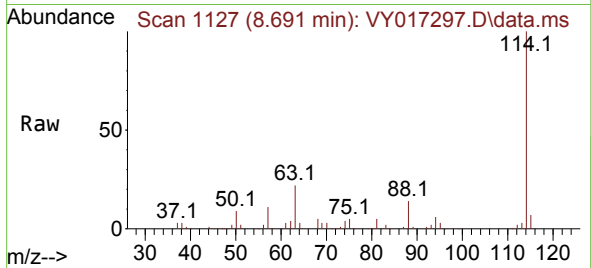




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY017297.D
Acq: 07 Feb 2024 18:24

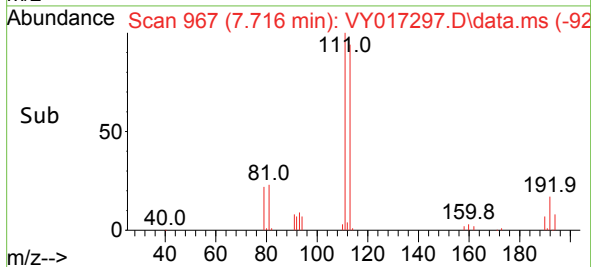
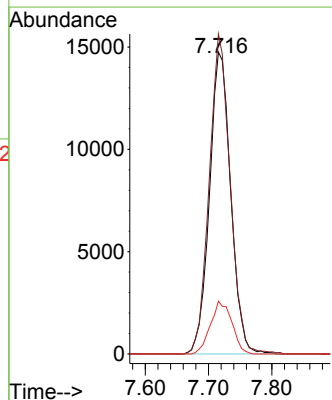
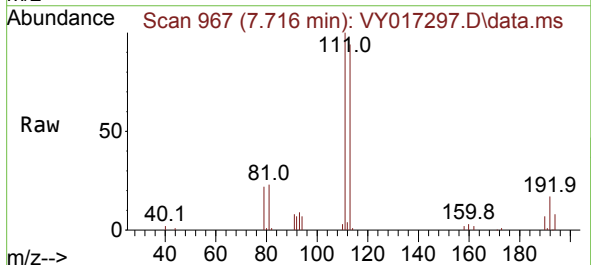
Instrument :
MSVOA_Y
ClientSampleId :
SP-1

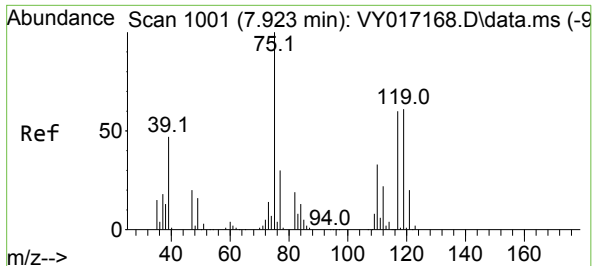
Tgt Ion:114 Resp: 138275
Ion Ratio Lower Upper
114 100
63 22.0 0.0 37.4
88 14.2 0.0 29.0



#35
Dibromofluoromethane
Concen: 46.100 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.012 min
Lab File: VY017297.D
Acq: 07 Feb 2024 18:24

Tgt Ion:113 Resp: 34418
Ion Ratio Lower Upper
113 100
111 104.6 83.8 125.6
192 17.6 14.5 21.7





#36

1,1-Dichloropropene

Concen: 5.348 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY017297.D

Acq: 07 Feb 2024 18:24

Instrument :

MSVOA_Y

ClientSampleId :

SP-1

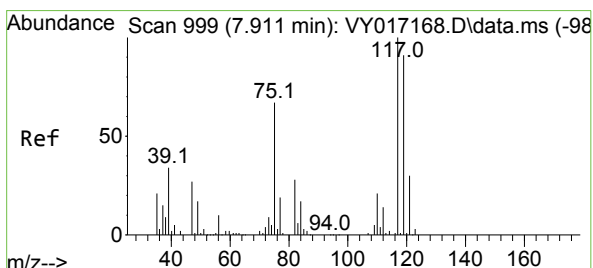
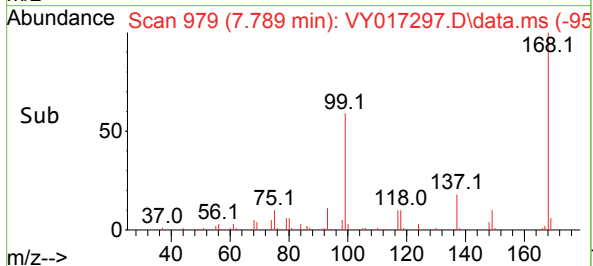
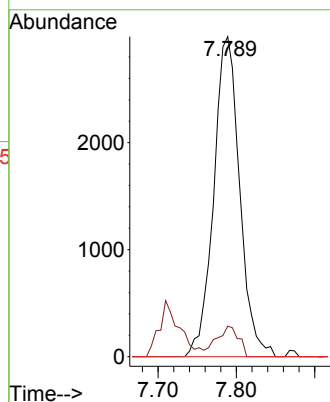
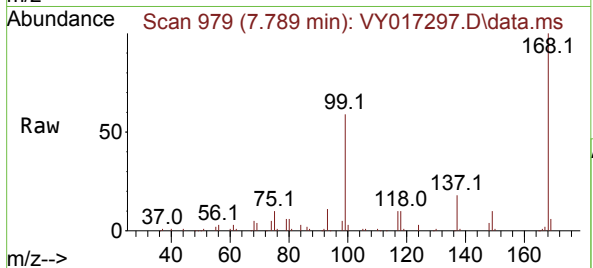
Tgt Ion: 75 Resp: 6887

Ion Ratio Lower Upper

75 100

110 8.0 17.4 52.3#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.120 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.122 min

Lab File: VY017297.D

Acq: 07 Feb 2024 18:24

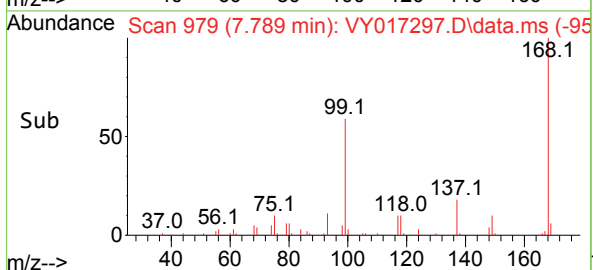
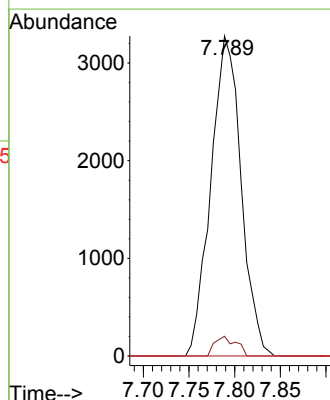
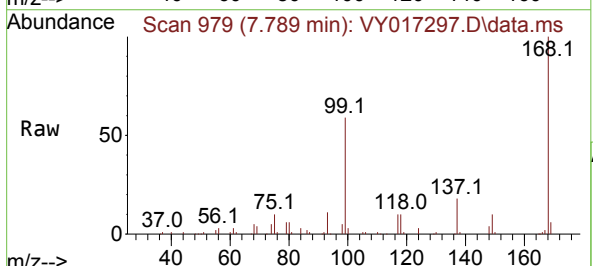
Tgt Ion: 117 Resp: 7546

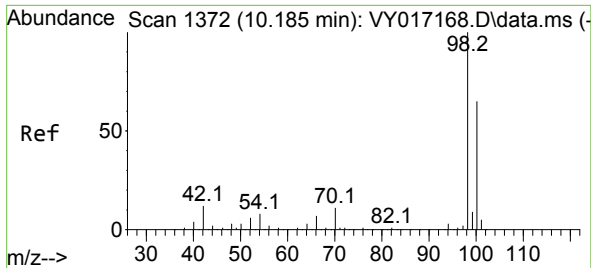
Ion Ratio Lower Upper

117 100

119 6.2 76.0 114.0#

121 0.0 24.2 36.2#

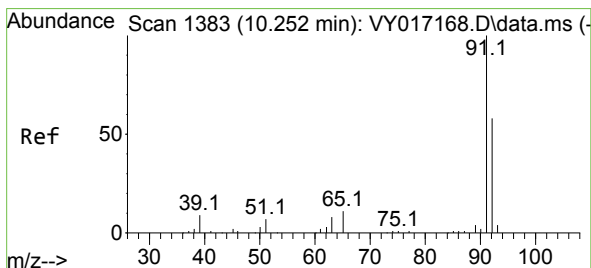
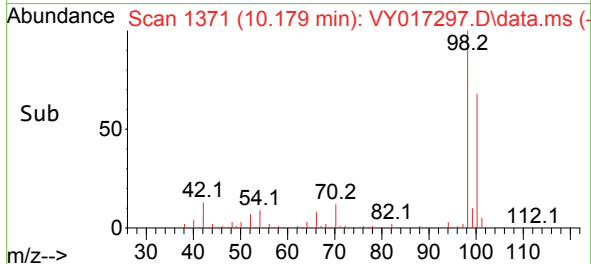
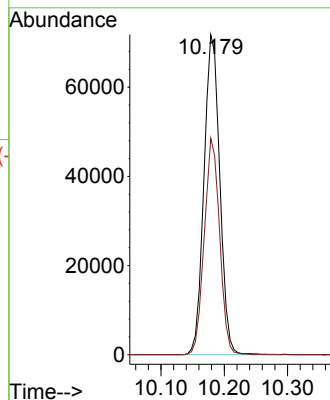
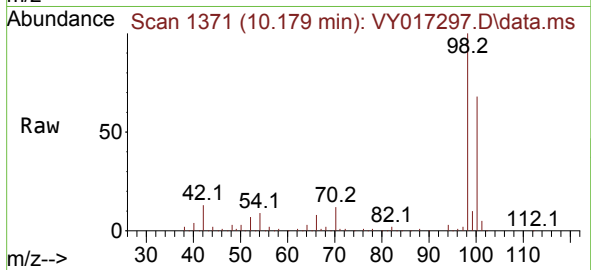




#50
Toluene-d8
Concen: 46.042 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY017297.D
Acq: 07 Feb 2024 18:24

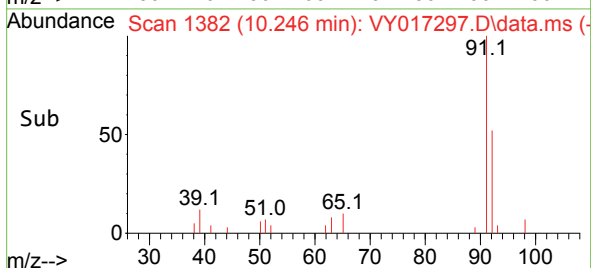
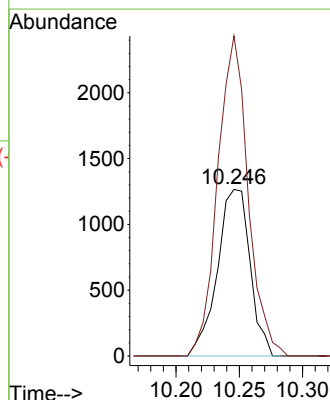
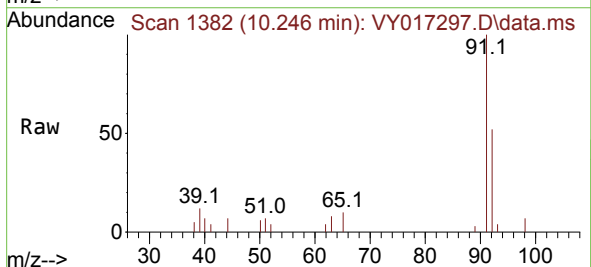
Instrument :
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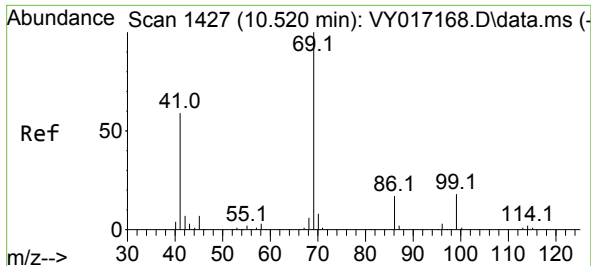
Tgt Ion: 98 Resp: 125156
Ion Ratio Lower Upper
98 100
100 65.6 52.3 78.5



#52
Toluene
Concen: 1.026 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.006 min
Lab File: VY017297.D
Acq: 07 Feb 2024 18:24

Tgt Ion: 92 Resp: 2277
Ion Ratio Lower Upper
92 100
91 178.2 137.6 206.4

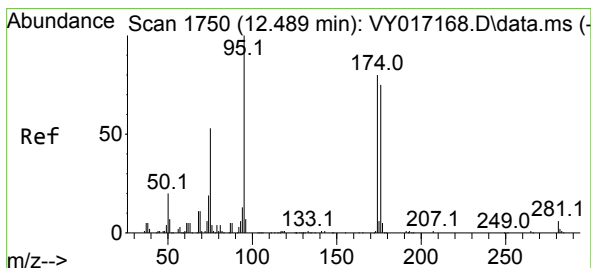
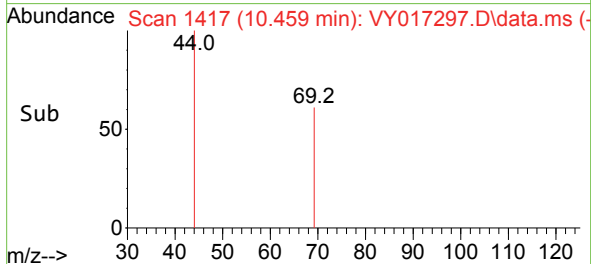
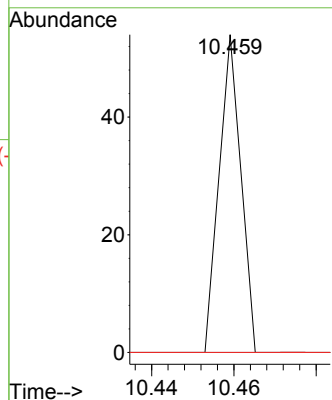
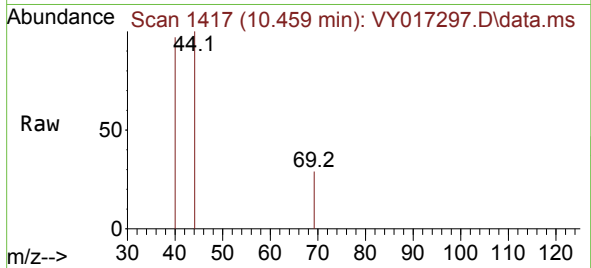




#56
Ethyl methacrylate
Concen: 3.026 ug/l
RT: 10.459 min Scan# 1417
Delta R.T. -0.061 min
Lab File: VY017297.D
Acq: 07 Feb 2024 18:24

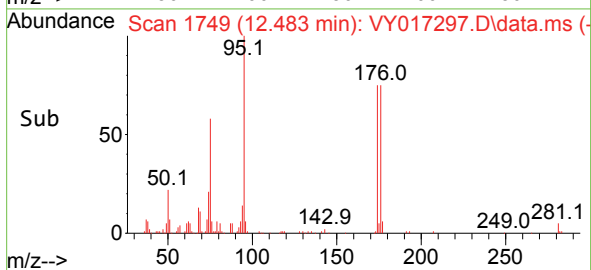
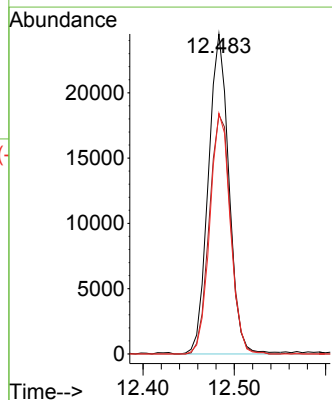
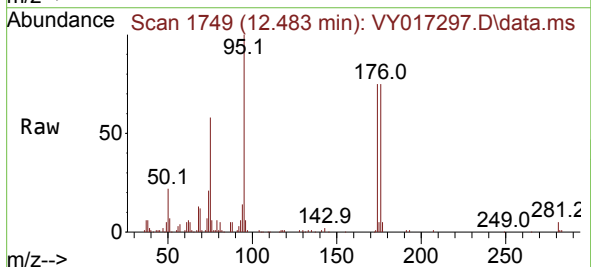
Instrument :
MSVOA_Y
ClientSampleId :
SP-1

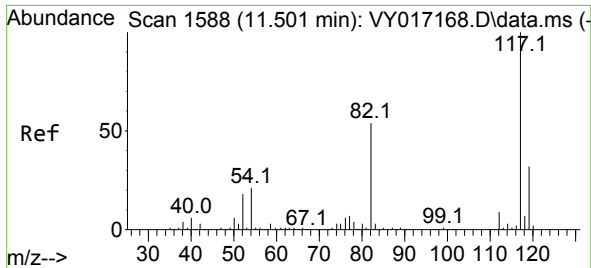
Tgt Ion: 69 Resp: 20
Ion Ratio Lower Upper
69 100
41 0.0 49.2 73.8#
39 0.0 26.8 40.2#



#62
4-Bromofluorobenzene
Concen: 42.976 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VY017297.D
Acq: 07 Feb 2024 18:24

Tgt Ion: 95 Resp: 38269
Ion Ratio Lower Upper
95 100
174 77.8 0.0 160.0
176 74.6 0.0 151.8

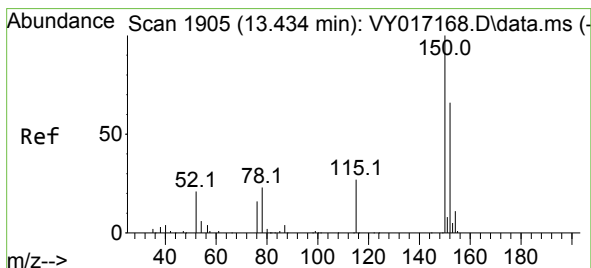
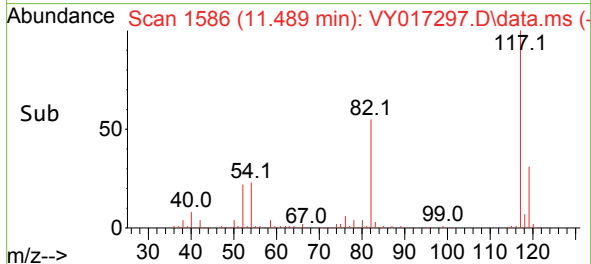
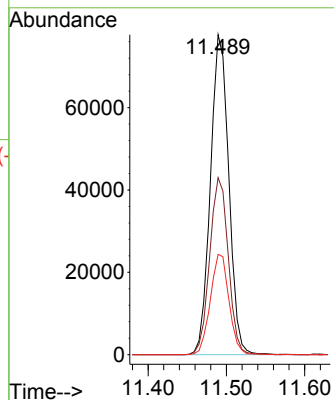
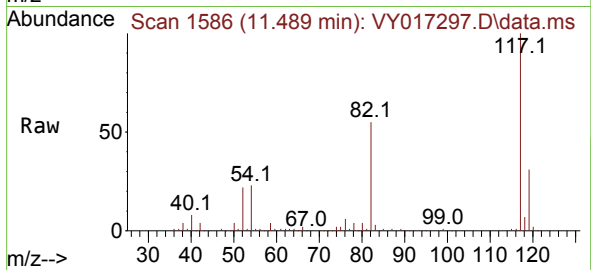




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY017297.D
Acq: 07 Feb 2024 18:24

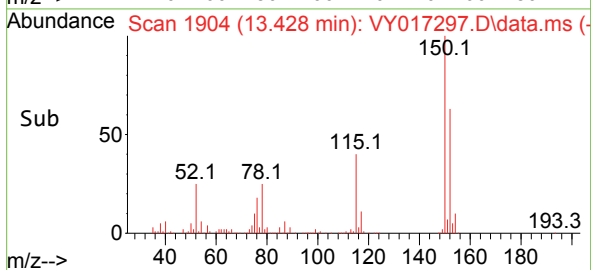
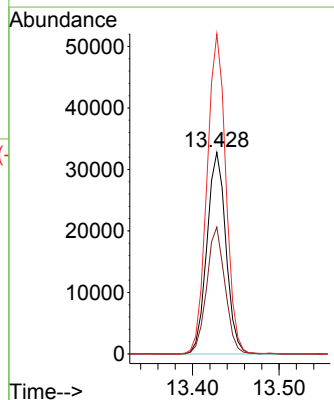
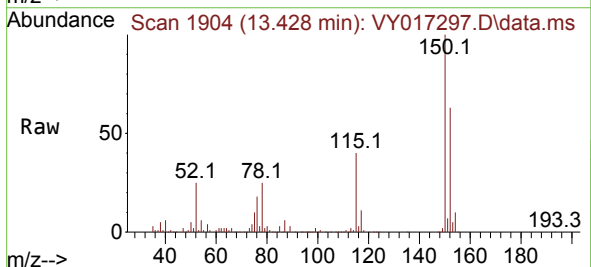
Instrument :
MSVOA_Y
ClientSampleId :
SP-1

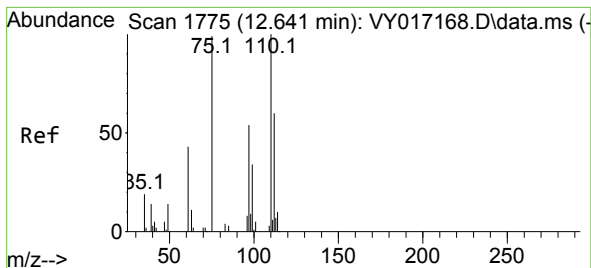
Tgt Ion:117 Resp: 126234
Ion Ratio Lower Upper
117 100
82 55.3 43.8 65.8
119 31.4 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY017297.D
Acq: 07 Feb 2024 18:24

Tgt Ion:152 Resp: 49852
Ion Ratio Lower Upper
152 100
115 61.1 30.0 90.0
150 157.7 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 47.278 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.158 min

Lab File: VY017297.D

Acq: 07 Feb 2024 18:24

Instrument :

MSVOA_Y

ClientSampleId :

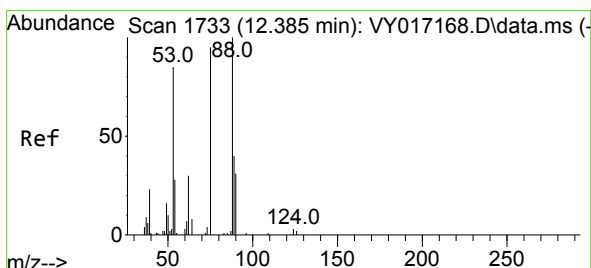
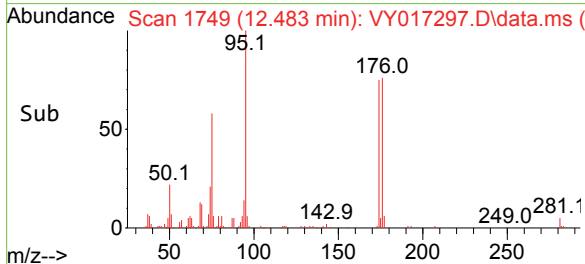
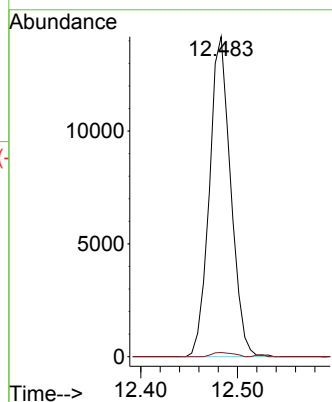
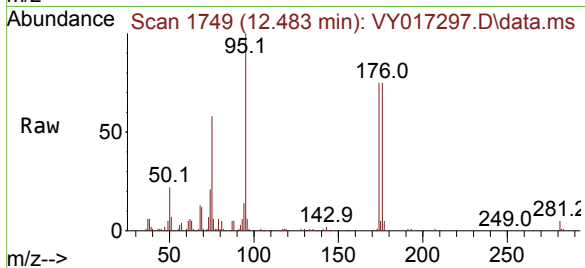
SP-1

Tgt Ion: 75 Resp: 21754

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 98.238 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.098 min

Lab File: VY017297.D

Acq: 07 Feb 2024 18:24

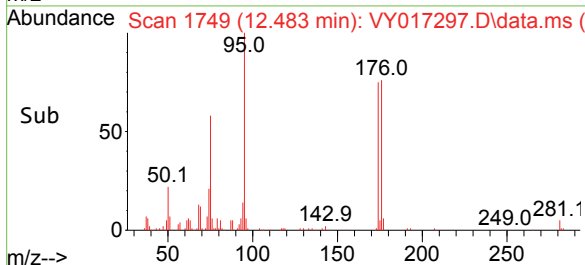
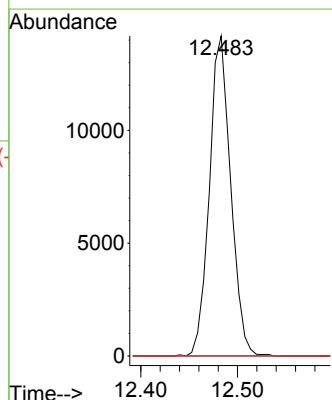
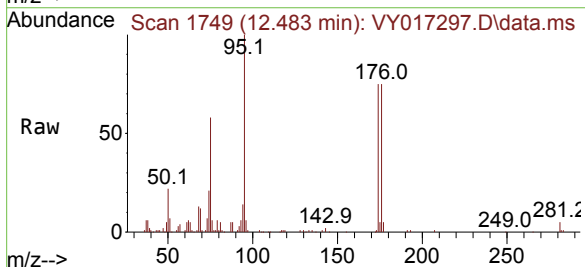
Tgt Ion: 75 Resp: 21754

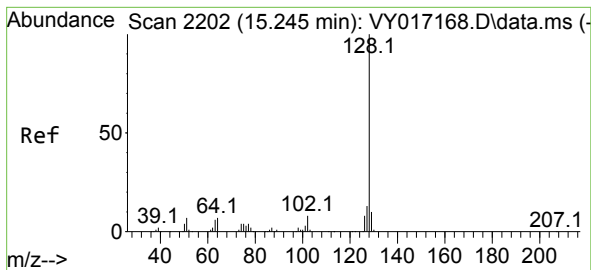
Ion Ratio Lower Upper

75 100

53 0.0 74.0 111.0#

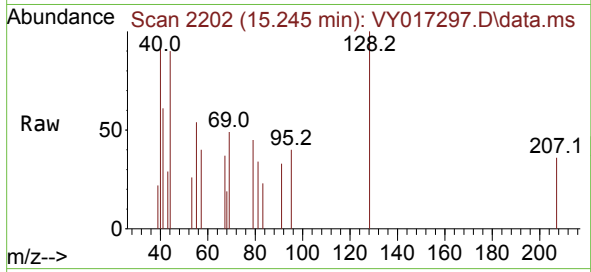
89 0.0 36.5 54.7#





#95
Naphthalene
Concen: 3.751 ug/l
RT: 15.245 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY017297.D
Acq: 07 Feb 2024 18:24

Instrument :
MSVOA_Y
ClientSampleId :
SP-1



Tgt Ion:128 Resp: 464
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 4.5 8.6 12.8#

