

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082724\
 Data File : VY019295.D
 Acq On : 27 Aug 2024 18:55
 Operator : SY/MD
 Sample : P3663-12
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 28 01:48:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 05:10:30 2024
 Response via : Initial Calibration

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

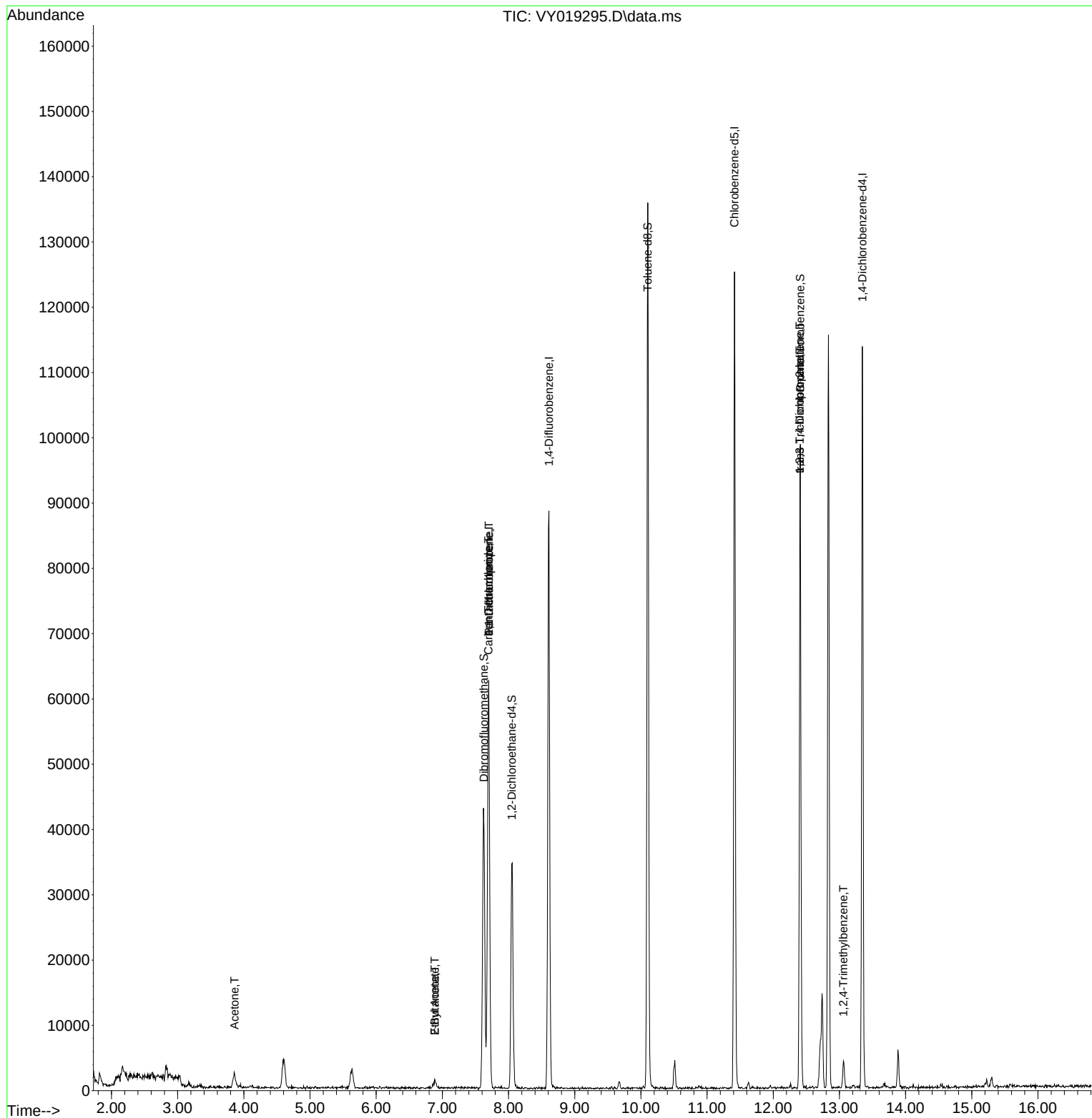
Internal Standards						
1) Pentafluorobenzene	7.701	168	48476	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	77580	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	67534	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	27337	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	27899	57.413	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.820%	
35) Dibromofluoromethane	7.628	113	28839	56.852	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.700%	
50) Toluene-d8	10.103	98	86548	47.411	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.820%	
62) 4-Bromofluorobenzene	12.408	95	27518	44.220	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 88.440%	
Target Compounds						Qvalue
5) Bromomethane	2.598	94	237	Below Cal		96
6) Chloroethane	2.726	64	68	Below Cal	#	42
16) Acetone	3.860	43	3865	42.888	ug/l	88
20) Methylene Chloride	4.592	84	1748	Below Cal		98
25) 2-Butanone	6.884	43	1599	11.018	ug/l	# 67
31) Cyclohexane	7.701	56	985	Below Cal	#	19
36) 1,1-Dichloropropene	7.701	75	3659	5.253	ug/l	# 48
37) Ethyl Acetate	6.884	43	1599	5.181	ug/l	# 68
38) Carbon Tetrachloride	7.695	117	4707	5.831	ug/l	# 18
76) 1,2,3-Trichloropropane	12.401	75	15294	56.730	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.401	75	15294	140.104	ug/l	# 16
84) 1,2,4-Trimethylbenzene	13.060	105	1888	1.110	ug/l	# 30

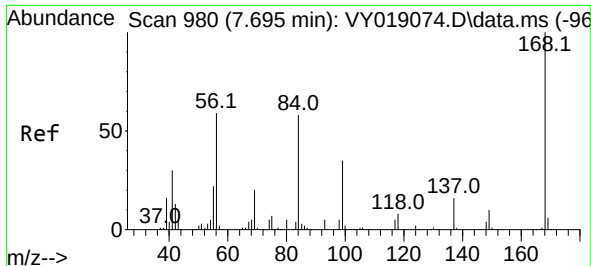
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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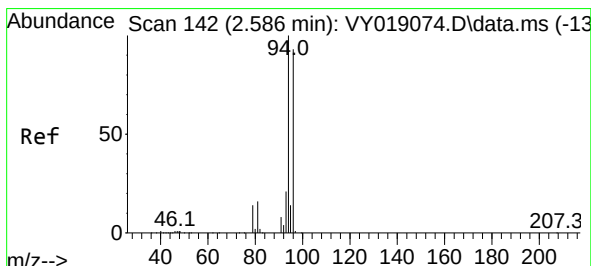
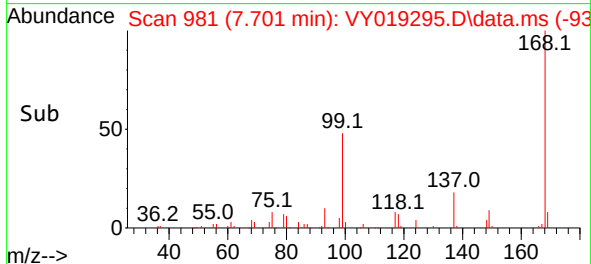
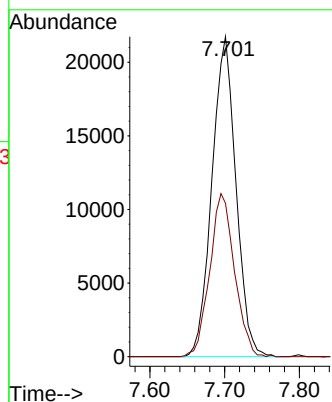
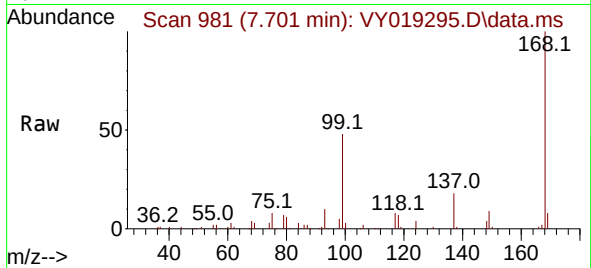




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019295.D
Acq: 27 Aug 2024 18:55

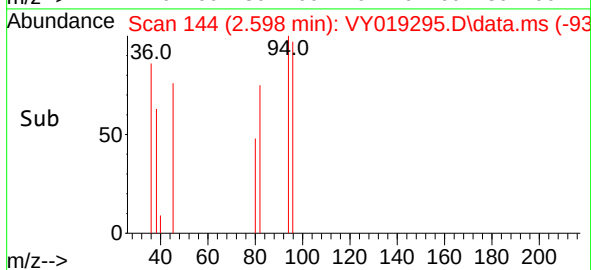
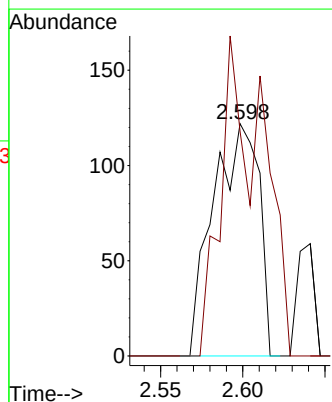
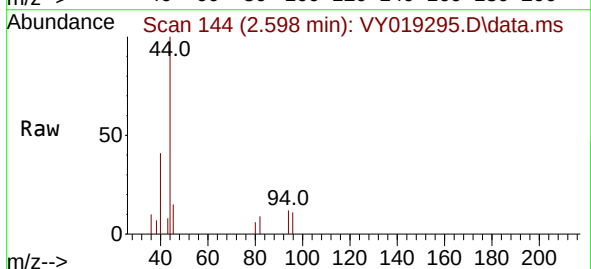
Instrument :
MSVOA_Y
ClientSampleId :

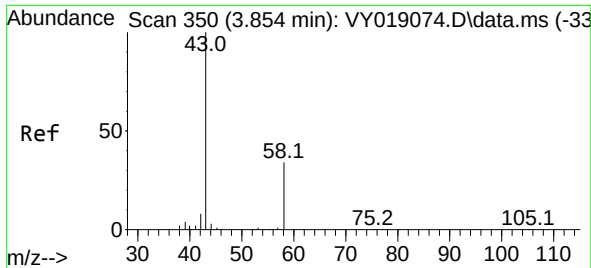
Tgt Ion:168 Resp: 48476
Ion Ratio Lower Upper
168 100
99 48.0 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.598 min Scan# 144
Delta R.T. 0.012 min
Lab File: VY019295.D
Acq: 27 Aug 2024 18:55

Tgt Ion: 94 Resp: 237
Ion Ratio Lower Upper
94 100
96 96.7 74.1 111.1





#16

Acetone

Concen: 42.888 ug/l

RT: 3.860 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY019295.D

Acq: 27 Aug 2024 18:55

Instrument :

MSVOA_Y

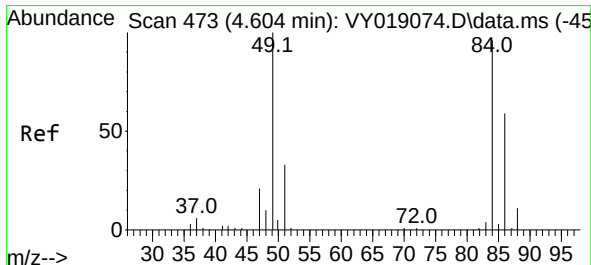
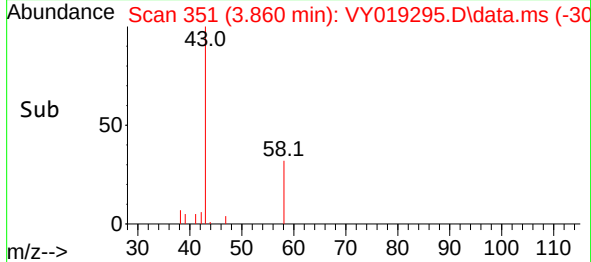
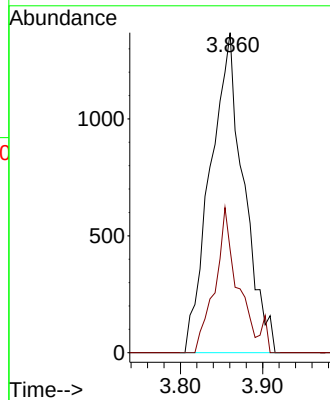
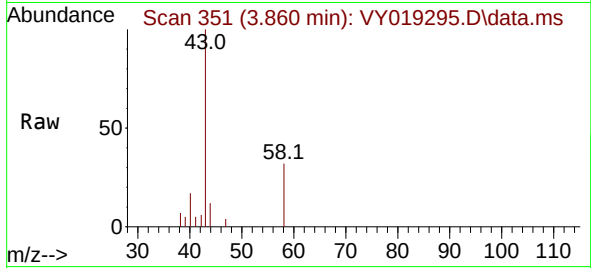
ClientSampleId :

Tgt Ion: 43 Resp: 3865

Ion Ratio Lower Upper

43 100

58 32.2 31.7 47.5



#20

Methylene Chloride

Concen: Below Cal

RT: 4.592 min Scan# 471

Delta R.T. -0.012 min

Lab File: VY019295.D

Acq: 27 Aug 2024 18:55

Tgt Ion: 84 Resp: 1748

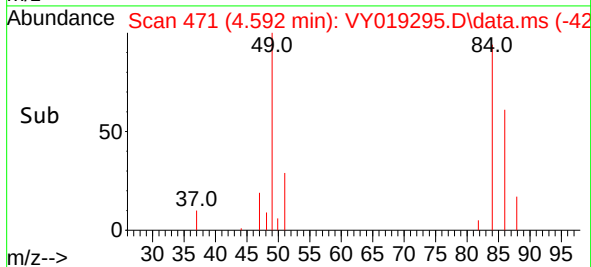
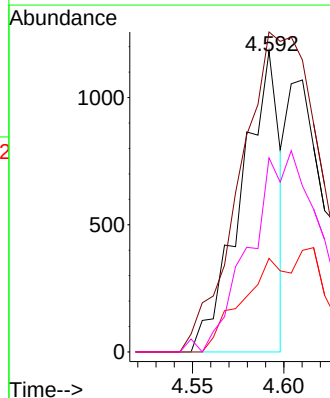
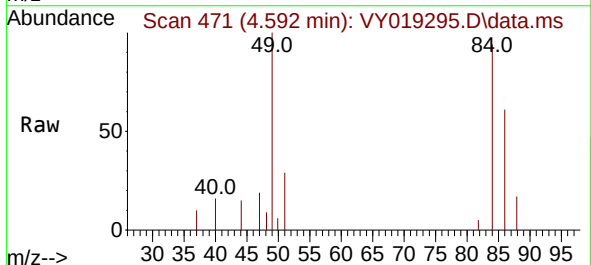
Ion Ratio Lower Upper

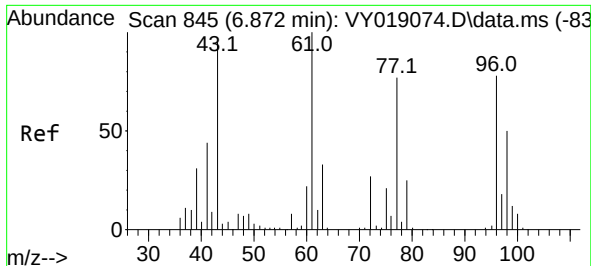
84 100

49 106.4 84.4 126.6

51 31.1 26.0 39.0

86 64.6 49.5 74.3

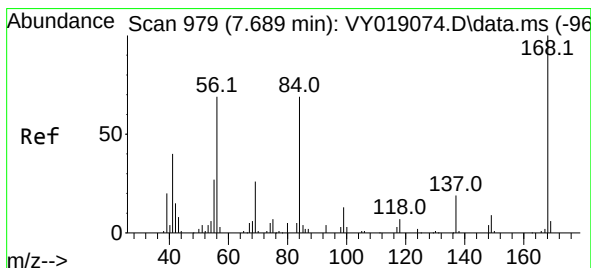
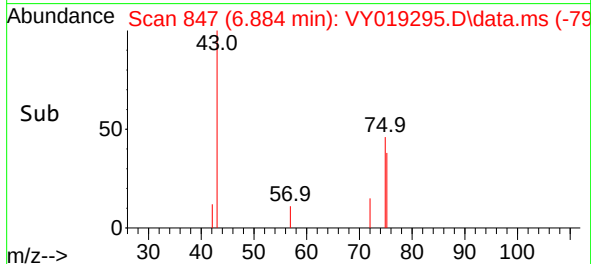
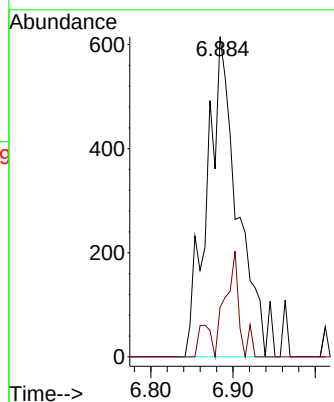
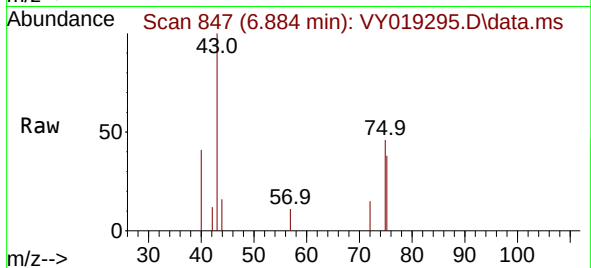




#25
2-Butanone
Concen: 11.018 ug/l
RT: 6.884 min Scan# 845
Delta R.T. 0.012 min
Lab File: VY019295.D
Acq: 27 Aug 2024 18:55

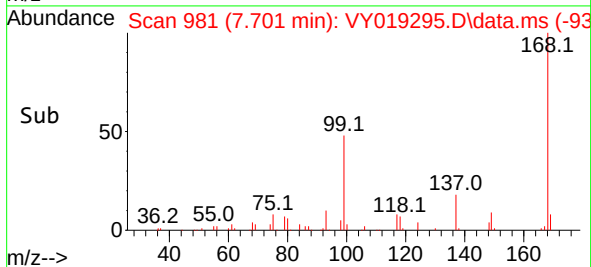
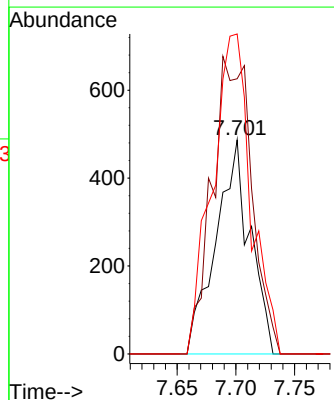
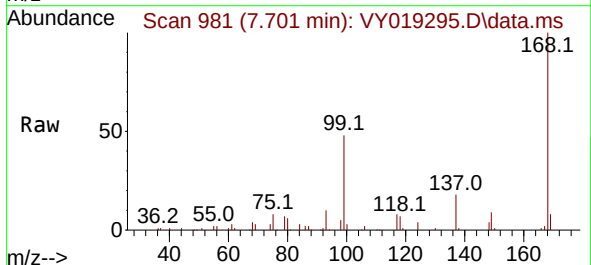
Instrument :
MSVOA_Y
ClientSampleId :

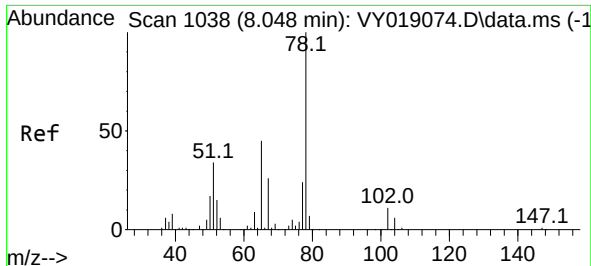
Tgt Ion: 43 Resp: 1599
Ion Ratio Lower Upper
43 100
72 15.4 27.3 40.9#



#31
Cyclohexane
Concen: Below Cal
RT: 7.701 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY019295.D
Acq: 27 Aug 2024 18:55

Tgt Ion: 56 Resp: 985
Ion Ratio Lower Upper
56 100
69 128.5 28.7 43.1#
84 149.5 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 57.413 ug/l

RT: 8.049 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY019295.D

Acq: 27 Aug 2024 18:55

Instrument :

MSVOA_Y

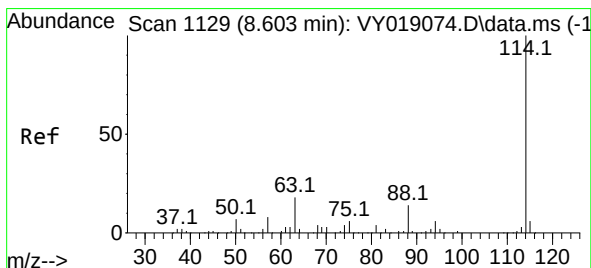
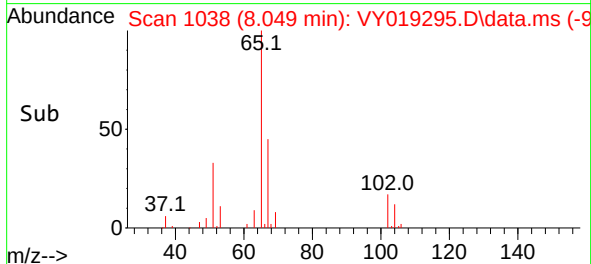
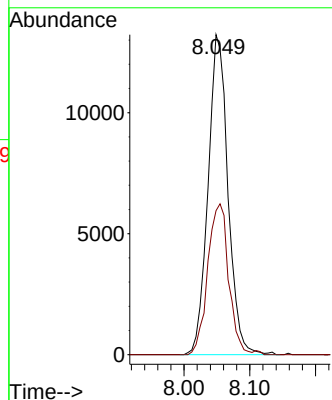
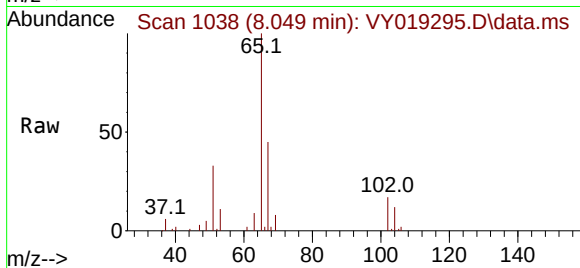
ClientSampleId :

Tgt Ion: 65 Resp: 27899

Ion Ratio Lower Upper

65 100

67 49.8 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY019295.D

Acq: 27 Aug 2024 18:55

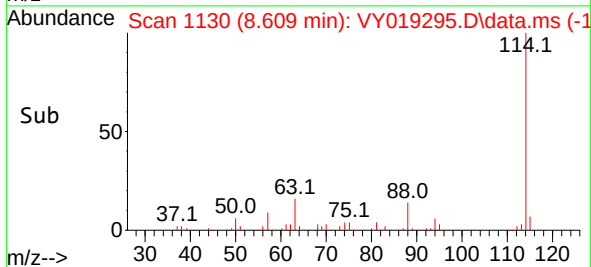
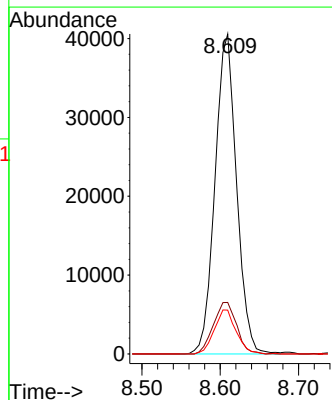
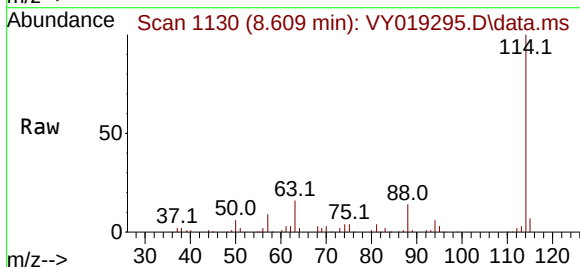
Tgt Ion: 114 Resp: 77580

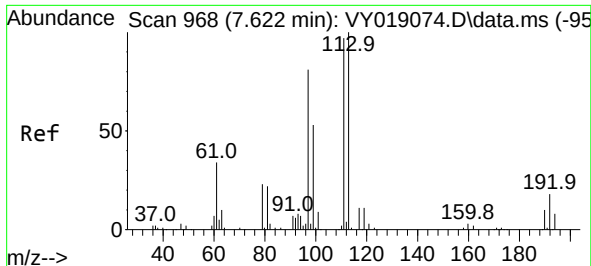
Ion Ratio Lower Upper

114 100

63 16.1 0.0 35.0

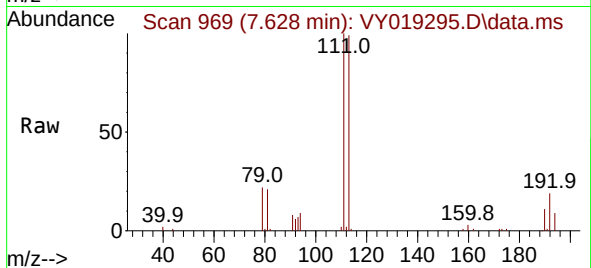
88 13.7 0.0 27.2



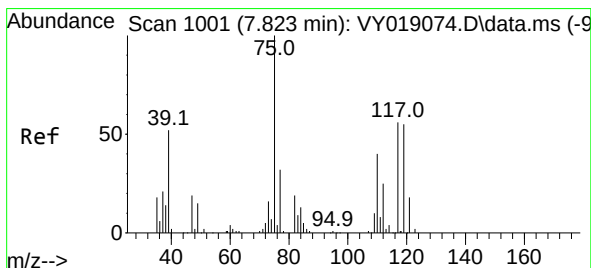
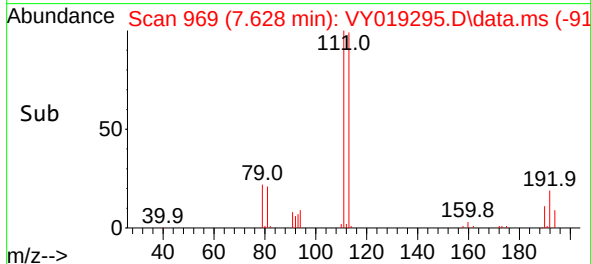
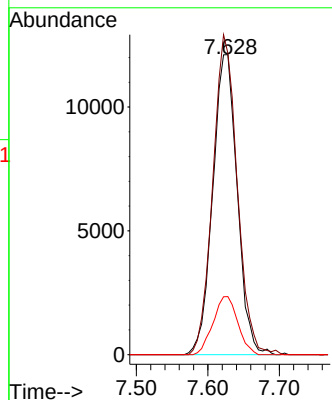


#35
Dibromofluoromethane
Concen: 56.852 ug/l
RT: 7.628 min Scan# 901
Delta R.T. 0.006 min
Lab File: VY019295.D
Acq: 27 Aug 2024 18:55

Instrument :
MSVOA_Y
ClientSampleId :

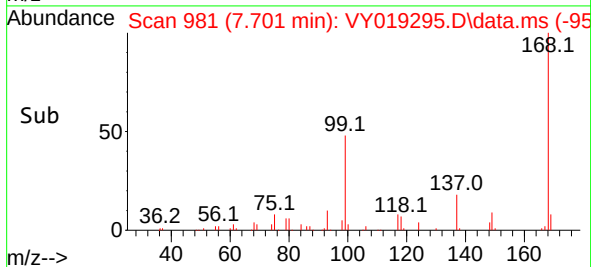
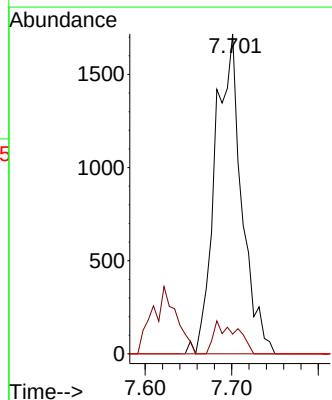
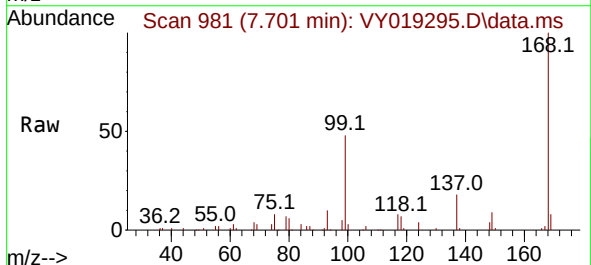


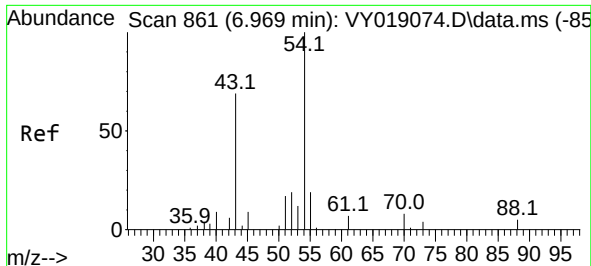
Tgt Ion:113 Resp: 28839
Ion Ratio Lower Upper
113 100
111 106.0 82.2 123.4
192 19.5 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.253 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY019295.D
Acq: 27 Aug 2024 18:55

Tgt Ion: 75 Resp: 3659
Ion Ratio Lower Upper
75 100
110 8.9 19.0 57.0#
77 0.0 25.3 37.9#

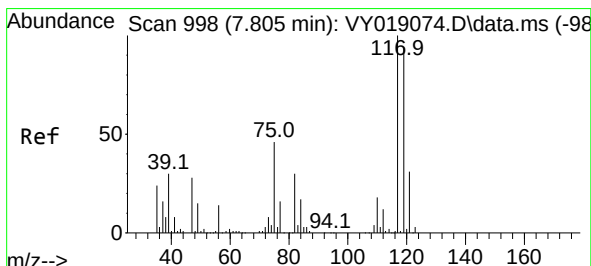
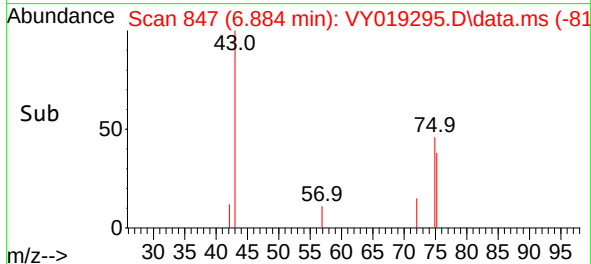
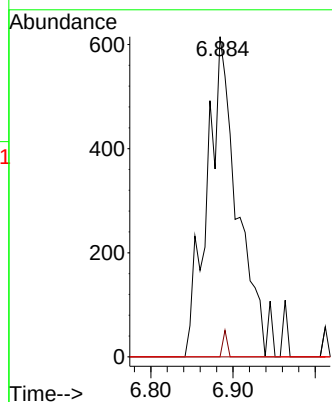
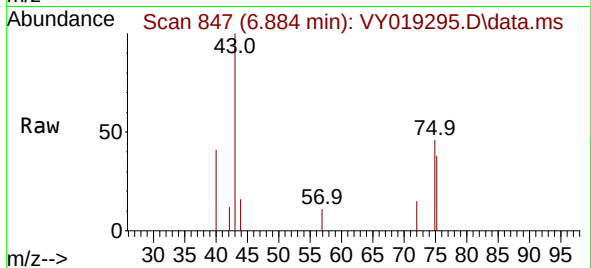




#37
Ethyl Acetate
Concen: 5.181 ug/l
RT: 6.884 min Scan# 84
Delta R.T. -0.085 min
Lab File: VY019295.D
Acq: 27 Aug 2024 18:55

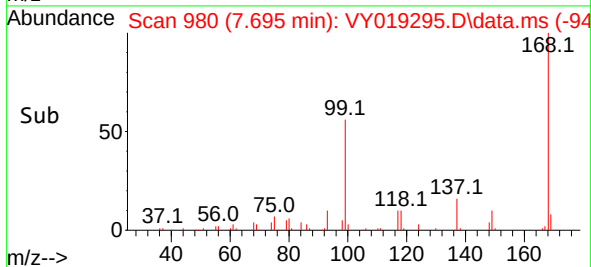
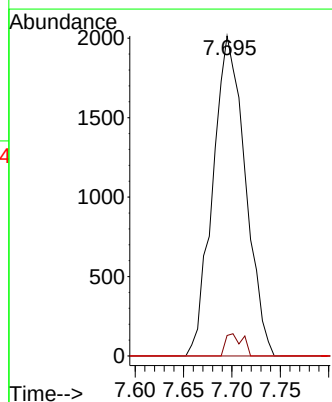
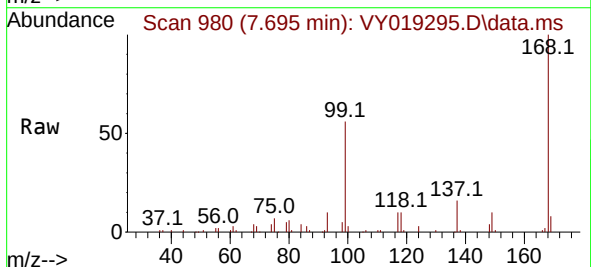
Instrument :
MSVOA_Y
ClientSampleId :

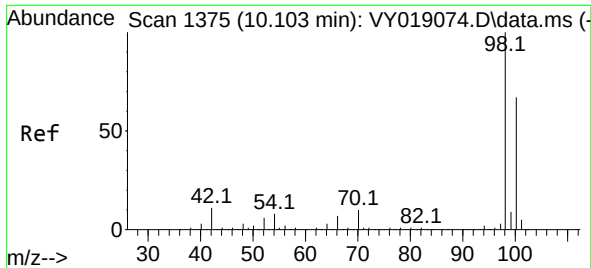
Tgt Ion: 43 Resp: 1599
Ion Ratio Lower Upper
43 100
61 1.2 12.6 19.0#
70 0.0 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 5.831 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY019295.D
Acq: 27 Aug 2024 18:55

Tgt Ion: 117 Resp: 4707
Ion Ratio Lower Upper
117 100
119 6.4 75.8 113.6#
121 0.0 24.0 36.0#

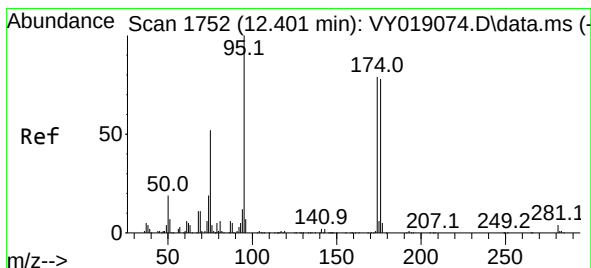
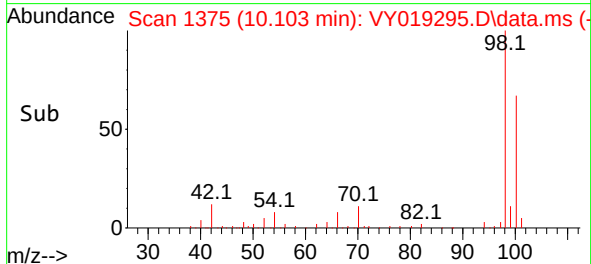
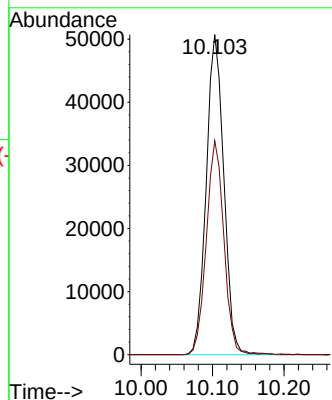
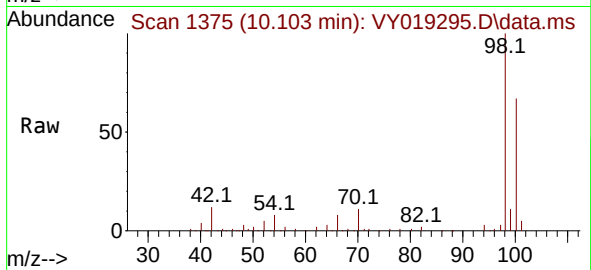




#50
Toluene-d8
Concen: 47.411 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019295.D
Acq: 27 Aug 2024 18:55

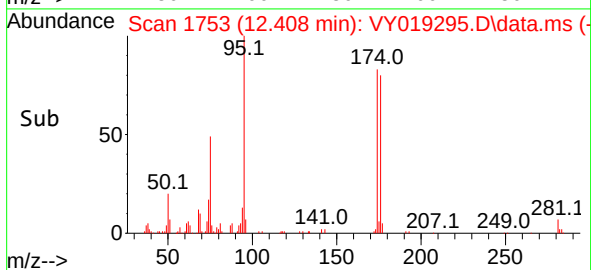
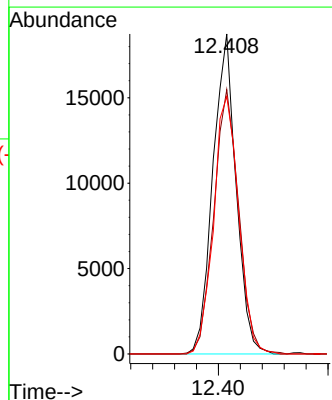
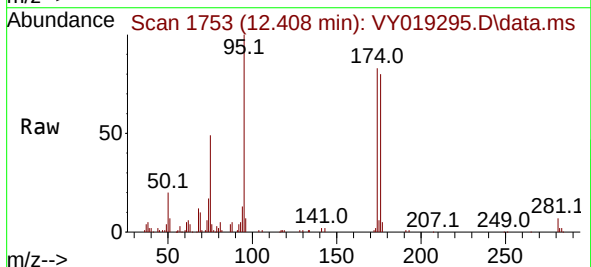
Instrument :
MSVOA_Y
ClientSampleId :

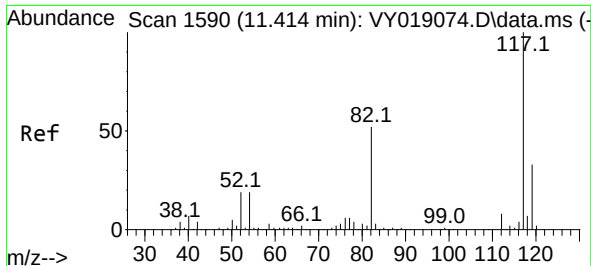
Tgt Ion: 98 Resp: 86548
Ion Ratio Lower Upper
98 100
100 66.4 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 44.220 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY019295.D
Acq: 27 Aug 2024 18:55

Tgt Ion: 95 Resp: 27518
Ion Ratio Lower Upper
95 100
174 88.4 0.0 175.6
176 87.3 0.0 171.4

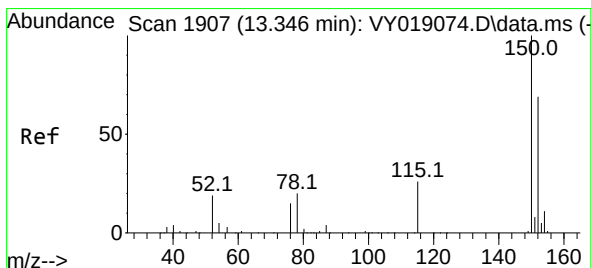
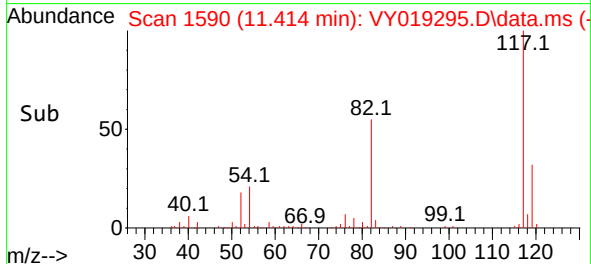
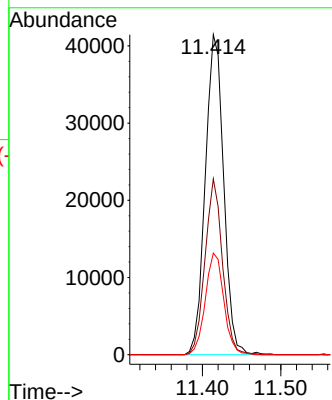
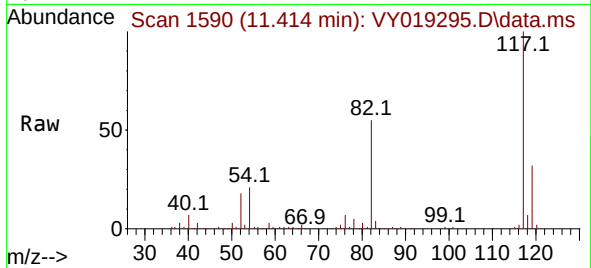




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019295.D
Acq: 27 Aug 2024 18:55

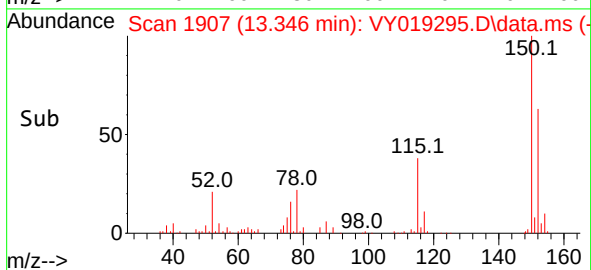
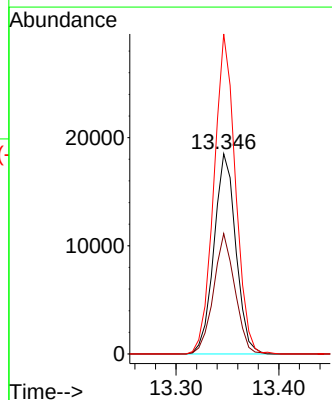
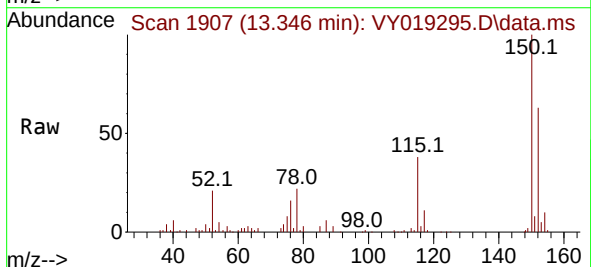
Instrument :
MSVOA_Y
ClientSampleId :

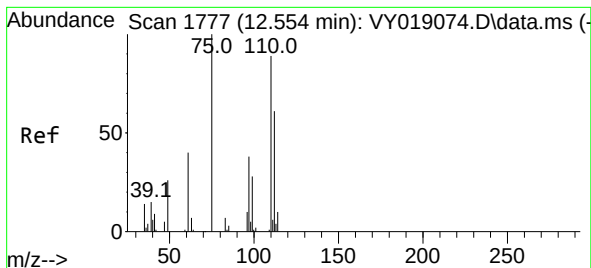
Tgt Ion:117	Resp:	67534
Ion Ratio	Lower	Upper
117	100	
82	55.0	42.4 63.6
119	31.8	25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019295.D
Acq: 27 Aug 2024 18:55

Tgt Ion:152	Resp:	27337
Ion Ratio	Lower	Upper
152	100	
115	58.5	28.2 84.7
150	157.2	0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 56.730 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY019295.D

Acq: 27 Aug 2024 18:55

Instrument :

MSVOA_Y

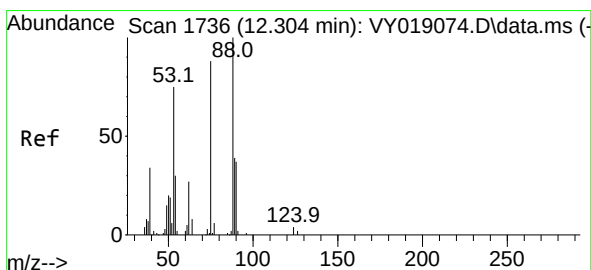
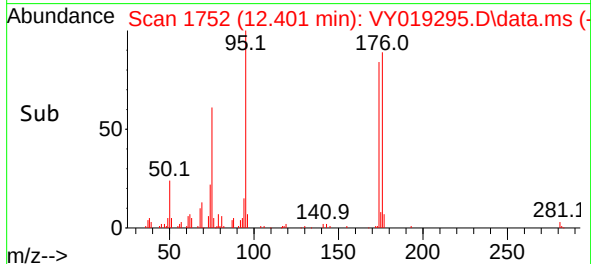
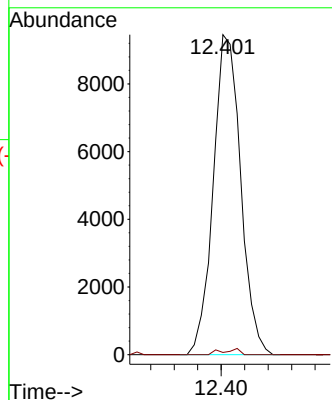
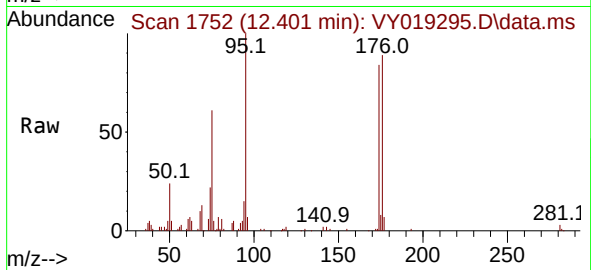
ClientSampleId :

Tgt Ion: 75 Resp: 15294

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 140.104 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.098 min

Lab File: VY019295.D

Acq: 27 Aug 2024 18:55

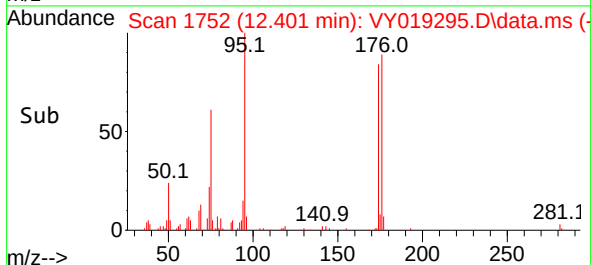
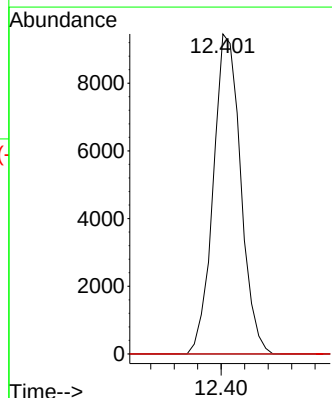
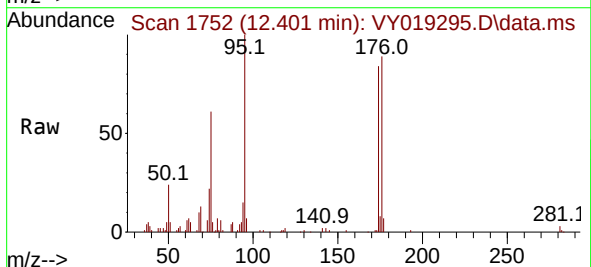
Tgt Ion: 75 Resp: 15294

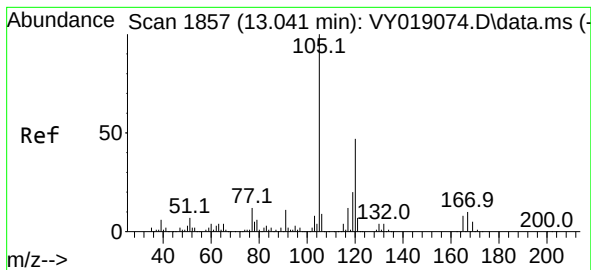
Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

89 0.0 35.8 53.6#





#84

1,2,4-Trimethylbenzene

Concen: 1.110 ug/l

RT: 13.060 min Scan# 11

Delta R.T. 0.018 min

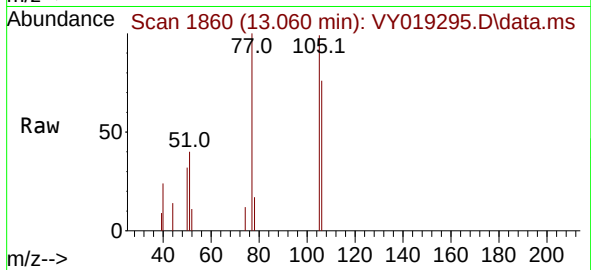
Lab File: VY019295.D

Acq: 27 Aug 2024 18:55

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:105 Resp: 1888

Ion Ratio Lower Upper

105 100

120 0.0 23.2 69.6#

