

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120123\
 Data File : VY016568.D
 Acq On : 01 Dec 2023 18:09
 Operator : SY/MD
 Sample : 05602-11
 Misc : 5.23g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 01 23:41:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 30 03:28:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	107274	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.703	114	177055	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.502	117	171059	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.440	152	79329	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	57447	67.783	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	135.560%
35) Dibromofluoromethane	7.734	113	54610	52.552	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.100%
50) Toluene-d8	10.191	98	203828	50.573	ug/l	-0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.140%
62) 4-Bromofluorobenzene	12.495	95	71922	56.884	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	113.760%

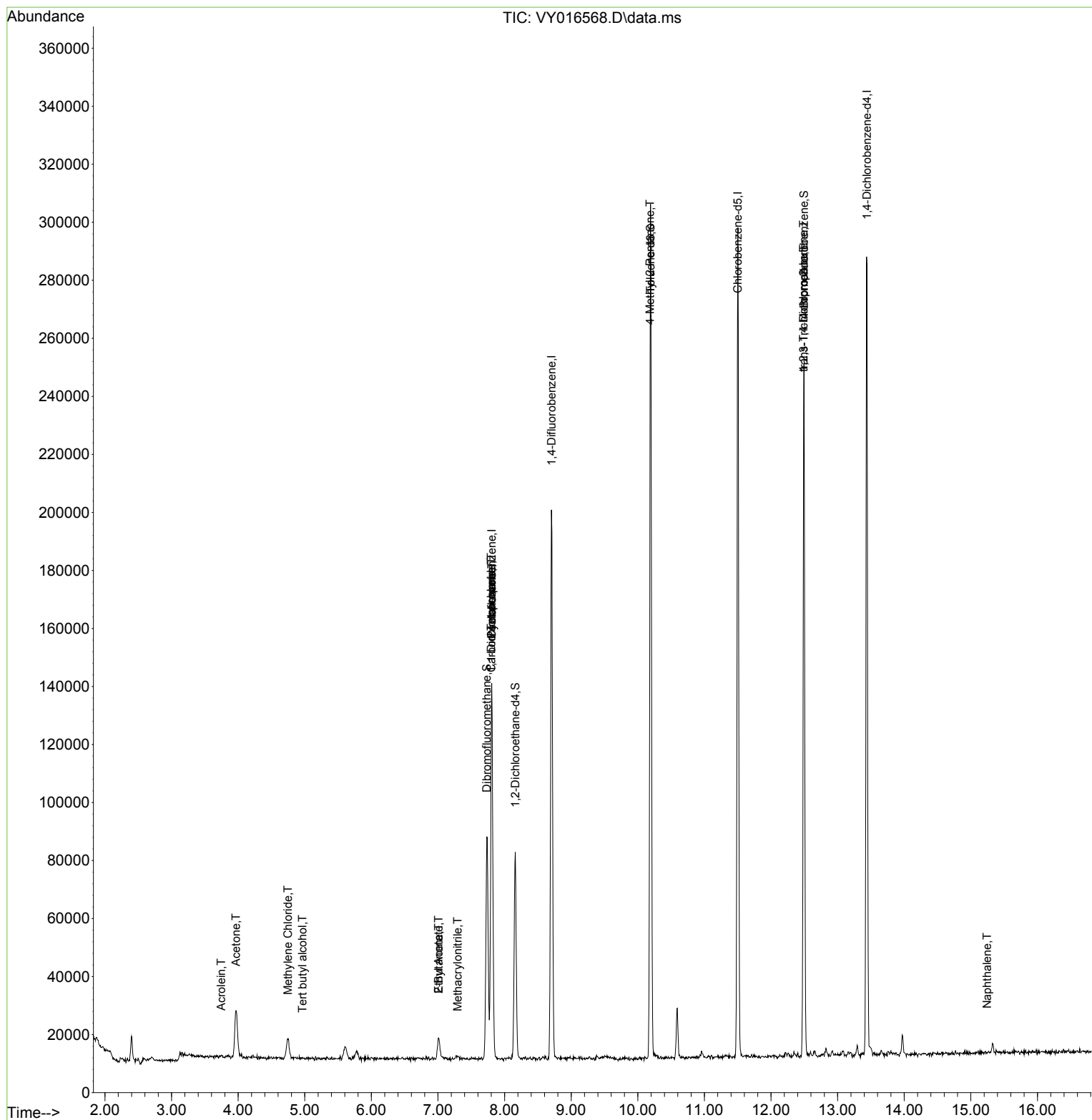
Target Compounds						Qvalue
11) Tert butyl alcohol	4.966	59	61	1.136	ug/l #	89
13) Acrolein	3.747	56	274	2.692	ug/l	85
16) Acetone	3.967	43	29667	178.230	ug/l #	86
20) Methylene Chloride	4.747	84	5796	3.339	ug/l #	71
25) 2-Butanone	7.009	43	12176	53.249	ug/l #	84
31) Cyclohexane	7.807	56	1499	1.007	ug/l #	1
36) 1,1-Dichloropropene	7.801	75	6844	4.460	ug/l #	50
37) Ethyl Acetate	7.009	43	12176	25.316	ug/l #	71
38) Carbon Tetrachloride	7.801	117	10118	5.618	ug/l #	15
41) Methacrylonitrile	7.295	41	488	1.926	ug/l #	43
51) 4-Methyl-2-Pentanone	10.185	43	664	1.346	ug/l #	1
76) 1,2,3-Trichloropropane	12.489	75	35299	52.996	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	35299	115.583	ug/l #	10
95) Naphthalene	15.245	128	353	5.059	ug/l #	69

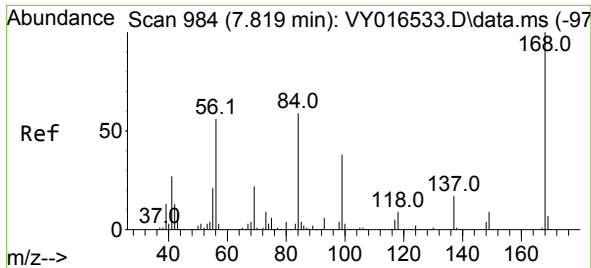
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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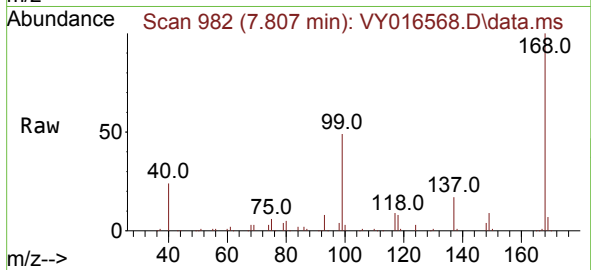
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112923S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 30 03:28:04 2023
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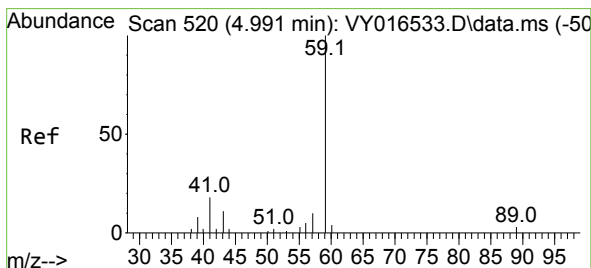
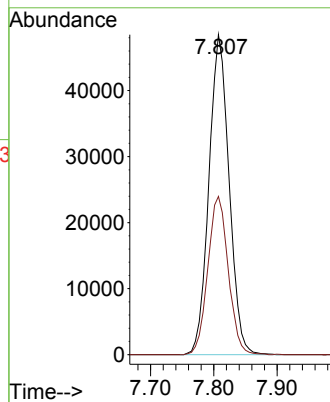
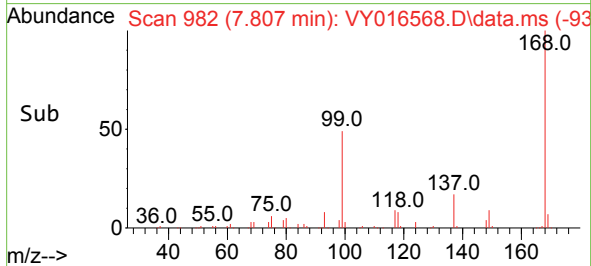


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY016568.D
Acq: 01 Dec 2023 18:09

Instrument :
MSVOA_Y
ClientSampleId :

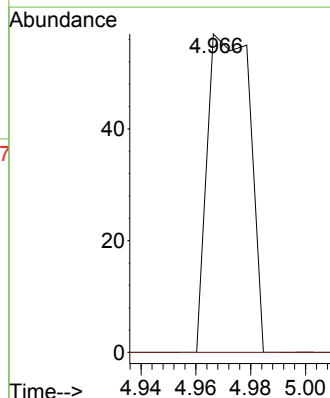
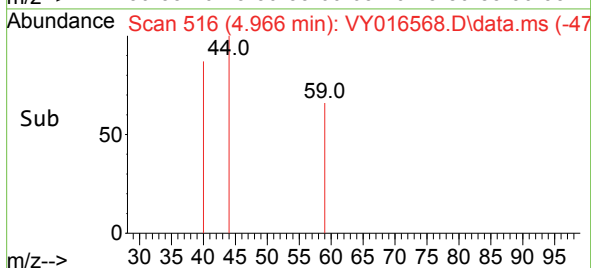
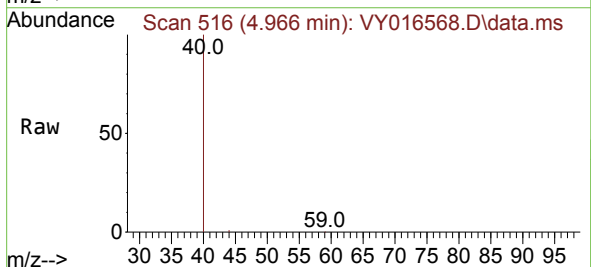


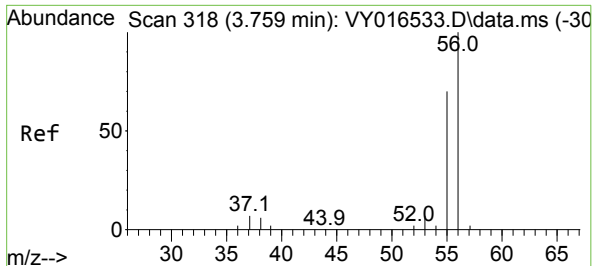
Tgt Ion:168 Resp: 107274
Ion Ratio Lower Upper
168 100
99 49.4 43.4 65.0



#11
Tert butyl alcohol
Concen: 1.136 ug/l
RT: 4.966 min Scan# 516
Delta R.T. -0.024 min
Lab File: VY016568.D
Acq: 01 Dec 2023 18:09

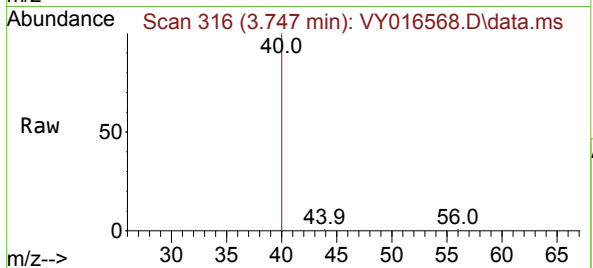
Tgt Ion: 59 Resp: 61
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



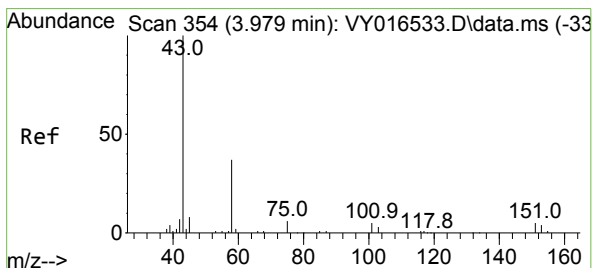
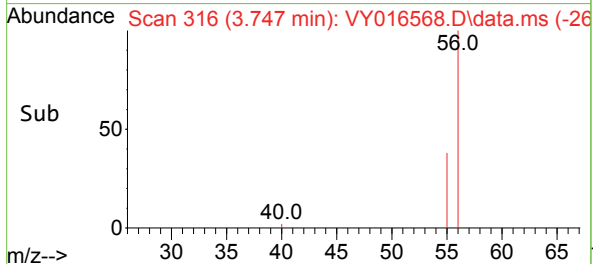
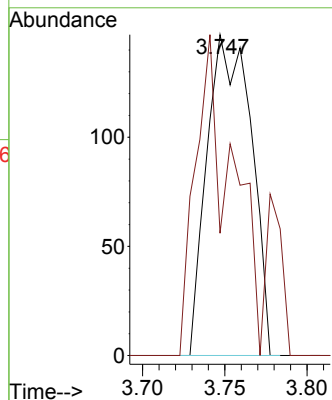


#13
Acrolein
Concen: 2.692 ug/l
RT: 3.747 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY016568.D
Acq: 01 Dec 2023 18:09

Instrument :
MSVOA_Y
ClientSampleId :

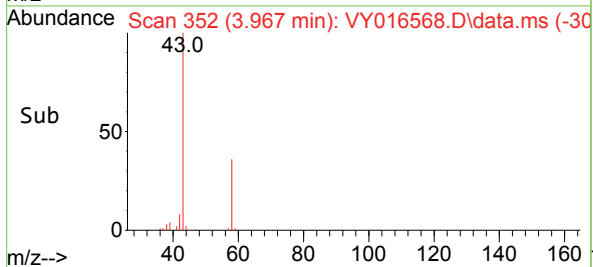
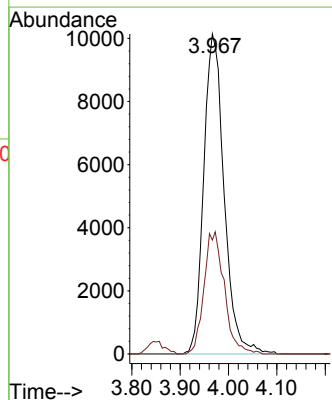
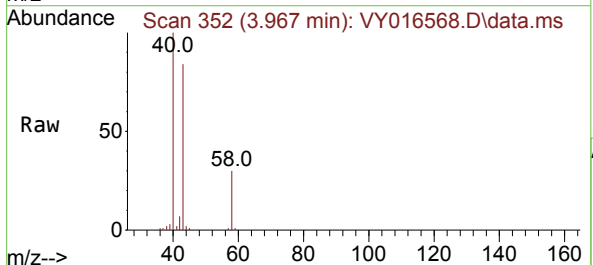


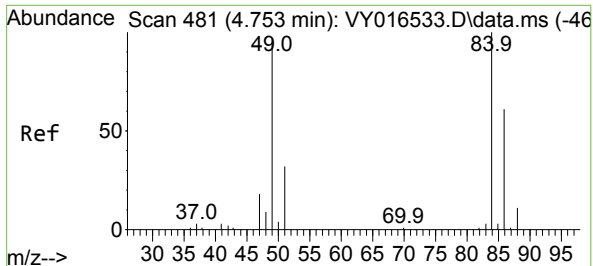
Tgt Ion: 56 Resp: 274
Ion Ratio Lower Upper
56 100
55 83.9 57.0 85.4



#16
Acetone
Concen: 178.230 ug/l
RT: 3.967 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY016568.D
Acq: 01 Dec 2023 18:09

Tgt Ion: 43 Resp: 29667
Ion Ratio Lower Upper
43 100
58 35.6 22.7 34.1#





#20

Methylene Chloride

Concen: 3.339 ug/l

RT: 4.747 min Scan# 41

Delta R.T. -0.006 min

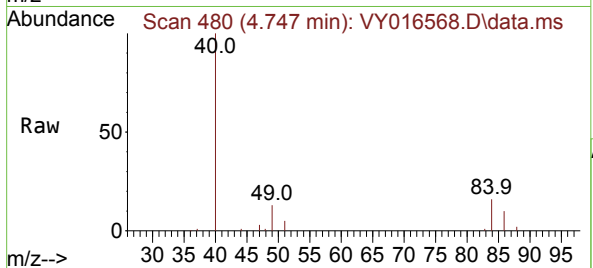
Lab File: VY016568.D

Acq: 01 Dec 2023 18:09

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 5796

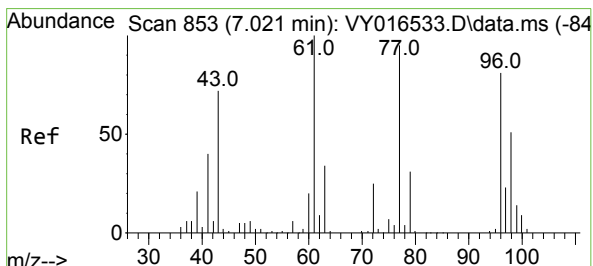
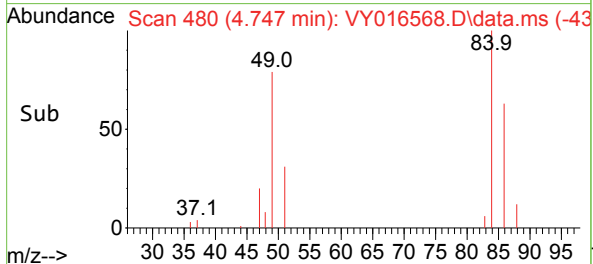
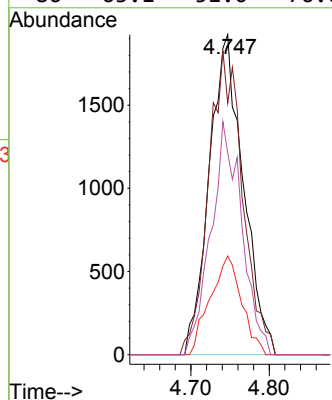
Ion Ratio Lower Upper

84 100

49 78.6 106.9 160.3#

51 30.8 33.2 49.8#

86 63.1 51.0 76.6



#25

2-Butanone

Concen: 53.249 ug/l

RT: 7.009 min Scan# 851

Delta R.T. -0.012 min

Lab File: VY016568.D

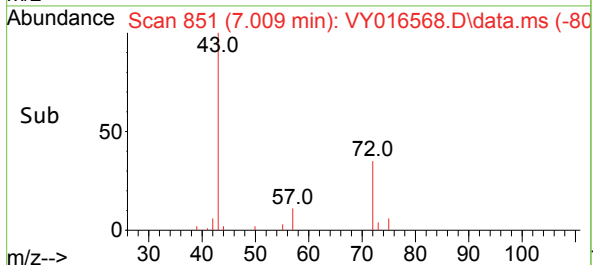
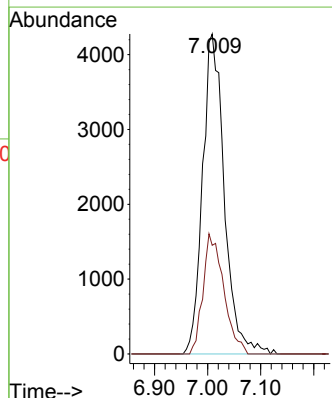
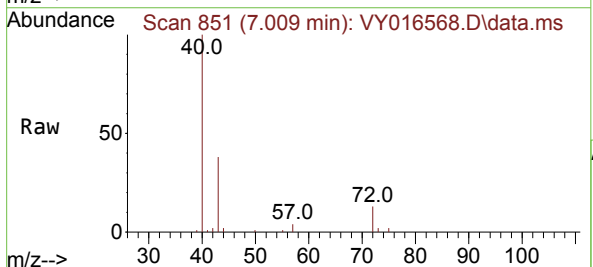
Acq: 01 Dec 2023 18:09

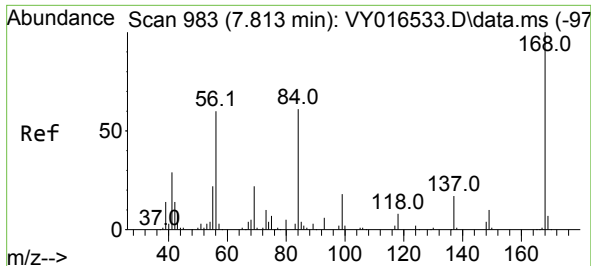
Tgt Ion: 43 Resp: 12176

Ion Ratio Lower Upper

43 100

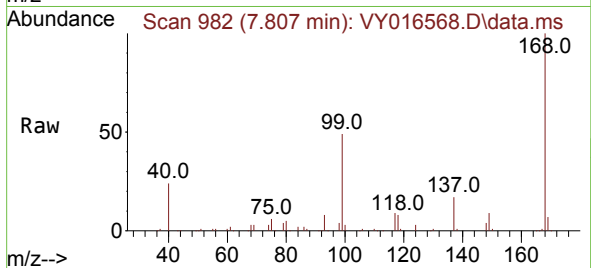
72 33.9 20.5 30.7#



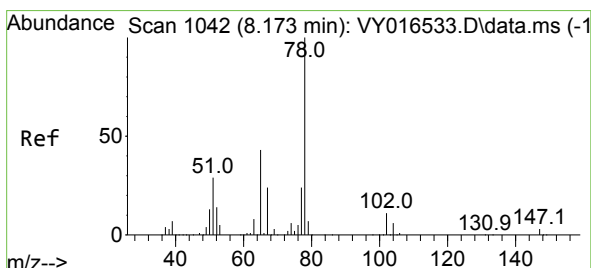
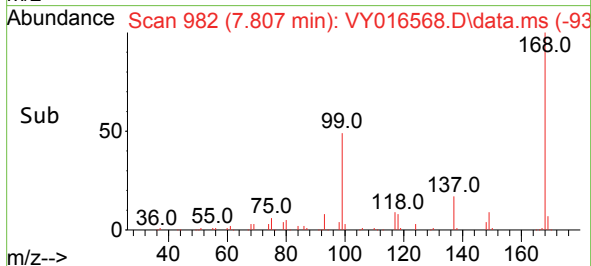
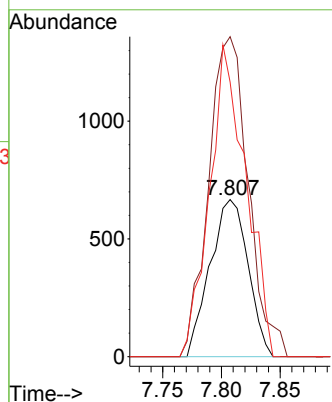


#31
Cyclohexane
Concen: 1.007 ug/l
RT: 7.807 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016568.D
Acq: 01 Dec 2023 18:09

Instrument :
MSVOA_Y
ClientSampleId :

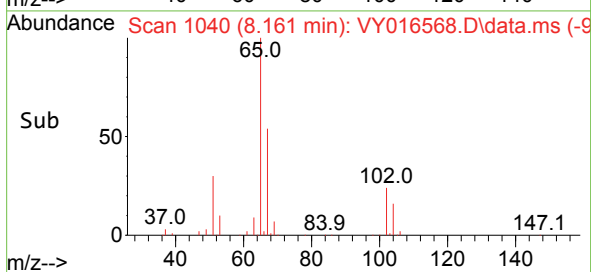
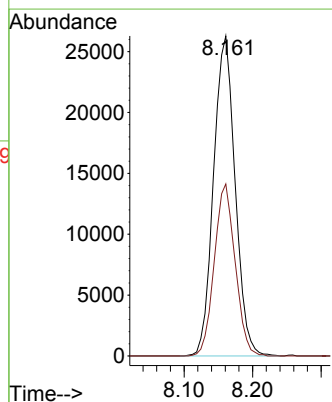
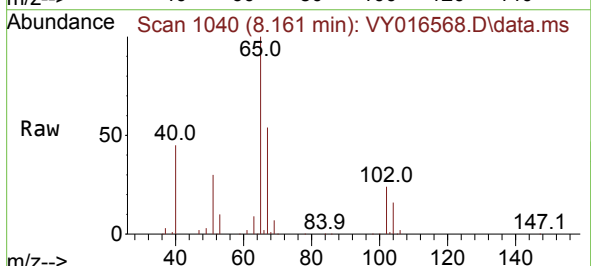


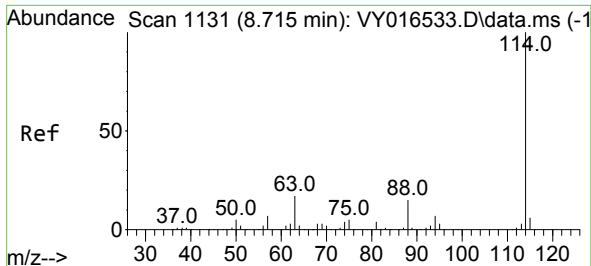
Tgt Ion: 56 Resp: 1499
Ion Ratio Lower Upper
56 100
69 203.7 27.8 41.6#
84 174.8 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 67.783 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. -0.012 min
Lab File: VY016568.D
Acq: 01 Dec 2023 18:09

Tgt Ion: 65 Resp: 57447
Ion Ratio Lower Upper
65 100
67 51.9 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1131

Delta R.T. -0.012 min

Lab File: VY016568.D

Acq: 01 Dec 2023 18:09

Instrument :

MSVOA_Y

ClientSampleId :

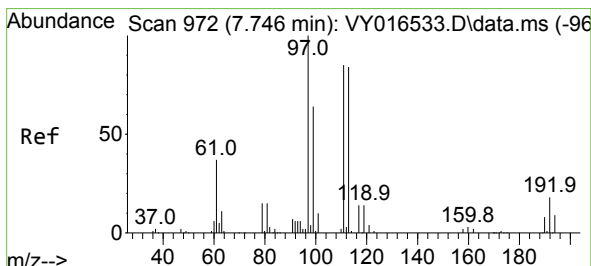
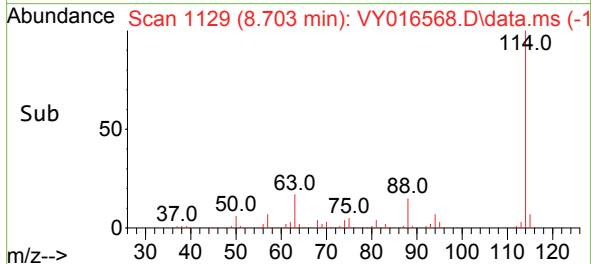
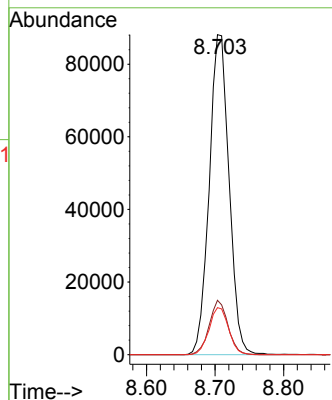
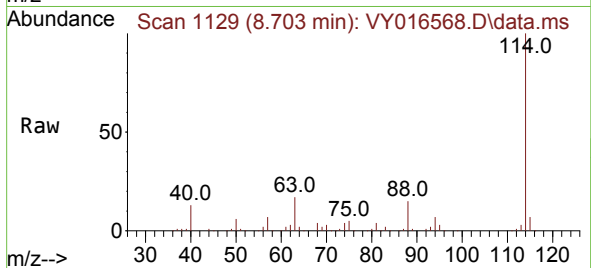
Tgt Ion:114 Resp: 177055

Ion Ratio Lower Upper

114 100

63 17.0 0.0 42.4

88 14.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.552 ug/l

RT: 7.734 min Scan# 970

Delta R.T. -0.012 min

Lab File: VY016568.D

Acq: 01 Dec 2023 18:09

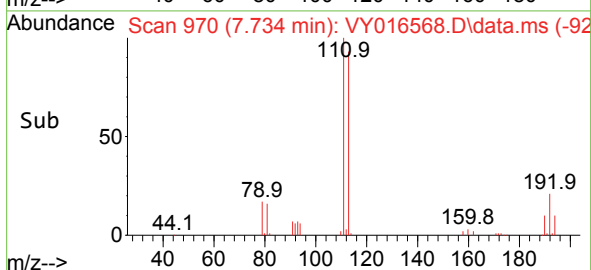
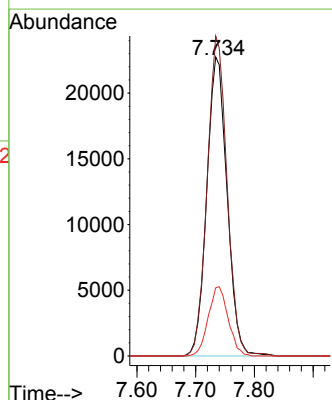
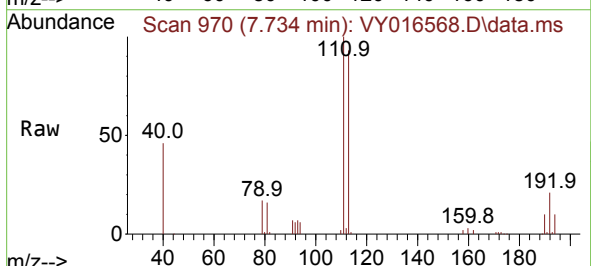
Tgt Ion:113 Resp: 54610

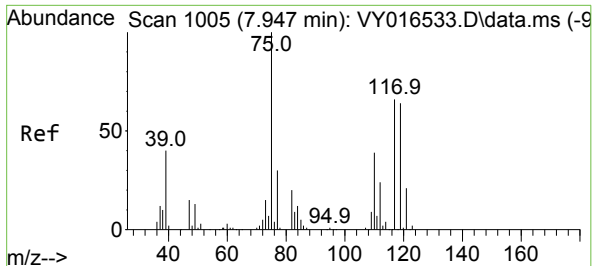
Ion Ratio Lower Upper

113 100

111 104.9 81.3 121.9

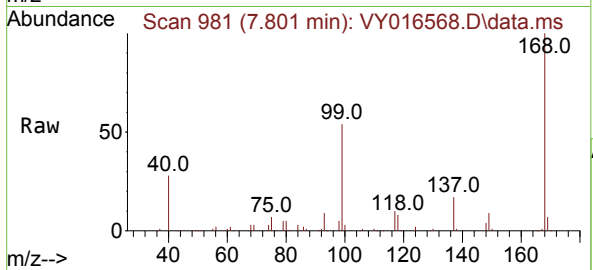
192 22.8 16.9 25.3



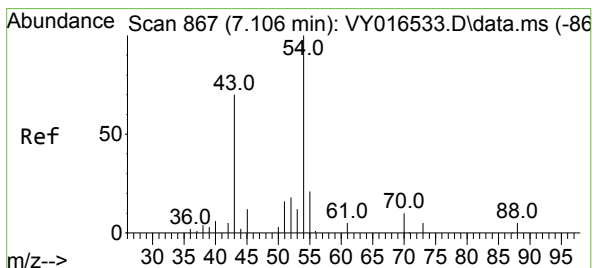
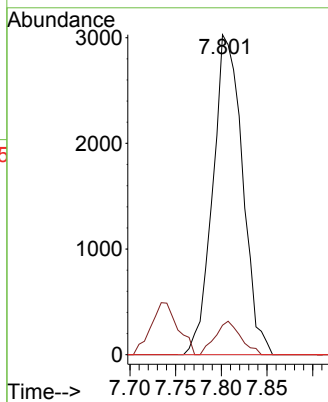
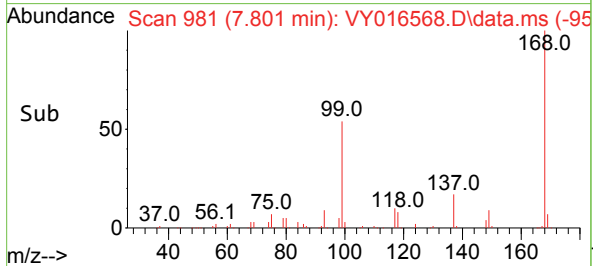


#36
1,1-Dichloropropene
Concen: 4.460 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.146 min
Lab File: VY016568.D
Acq: 01 Dec 2023 18:09

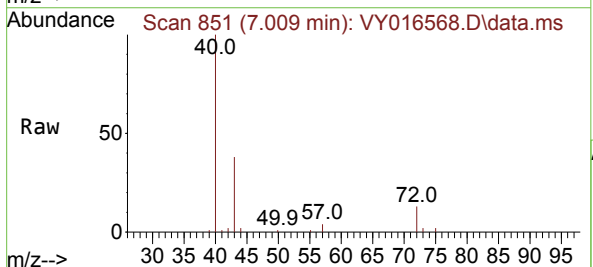
Instrument :
MSVOA_Y
ClientSampleId :



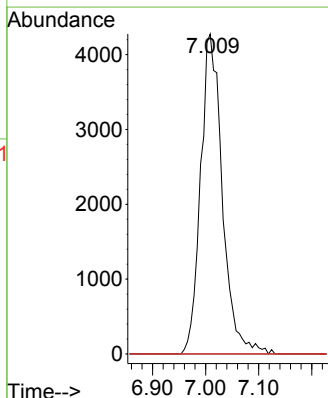
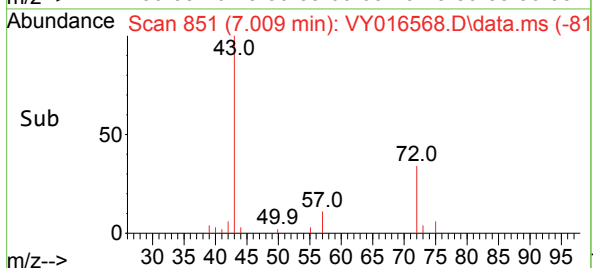
Tgt Ion: 75 Resp: 6844
Ion Ratio Lower Upper
75 100
110 8.9 17.8 53.5#
77 0.0 24.4 36.6#

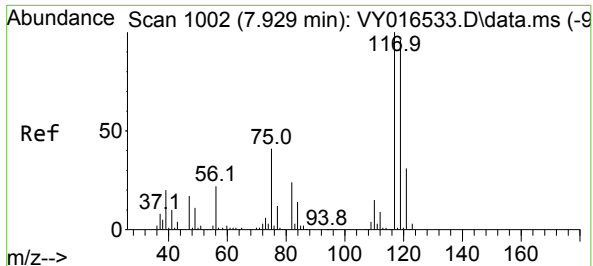


#37
Ethyl Acetate
Concen: 25.316 ug/l
RT: 7.009 min Scan# 851
Delta R.T. -0.097 min
Lab File: VY016568.D
Acq: 01 Dec 2023 18:09



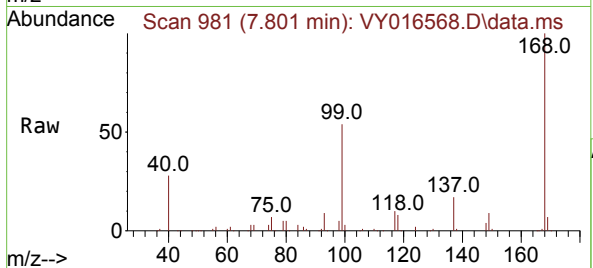
Tgt Ion: 43 Resp: 12176
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.0 7.1 10.7#



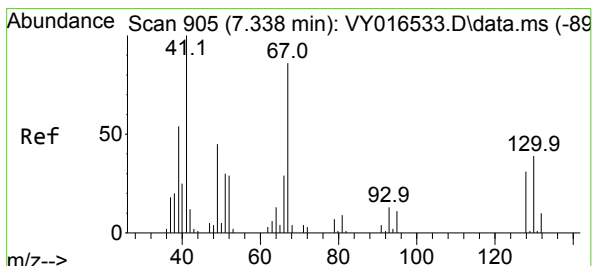
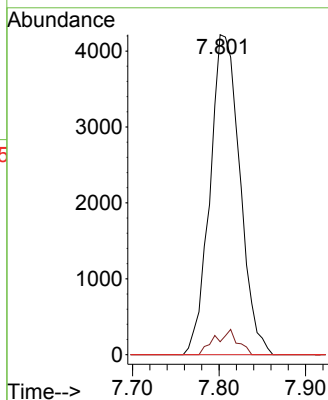
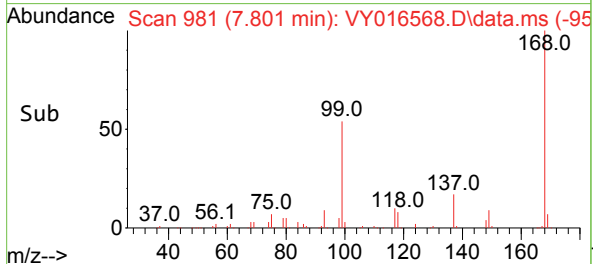


#38
Carbon Tetrachloride
Concen: 5.618 ug/l
RT: 7.801 min Scan# 911
Delta R.T. -0.128 min
Lab File: VY016568.D
Acq: 01 Dec 2023 18:09

Instrument :
MSVOA_Y
ClientSampleId :

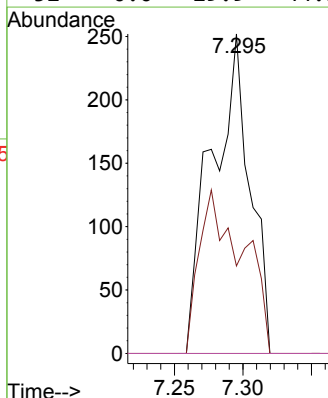
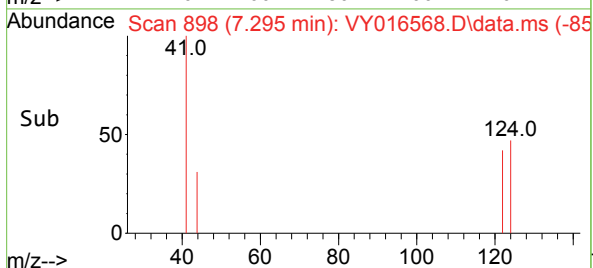
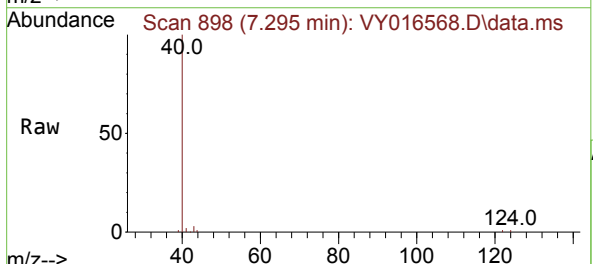


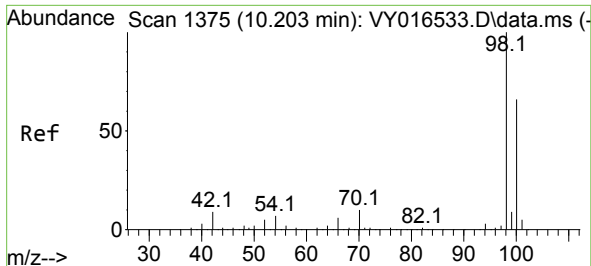
Tgt Ion: 117 Resp: 10118
Ion Ratio Lower Upper
117 100
119 4.1 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 1.926 ug/l
RT: 7.295 min Scan# 898
Delta R.T. -0.042 min
Lab File: VY016568.D
Acq: 01 Dec 2023 18:09

Tgt Ion: 41 Resp: 488
Ion Ratio Lower Upper
41 100
39 58.2 52.1 78.1
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#

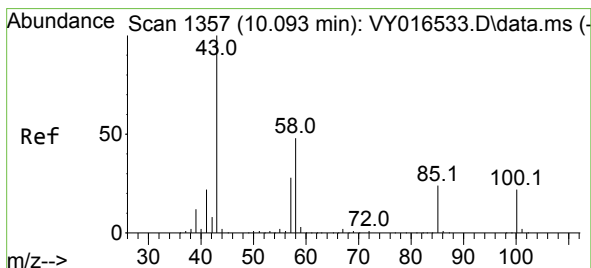
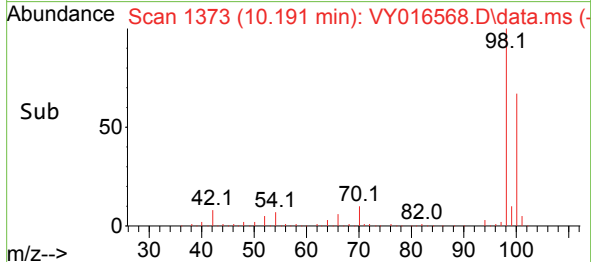
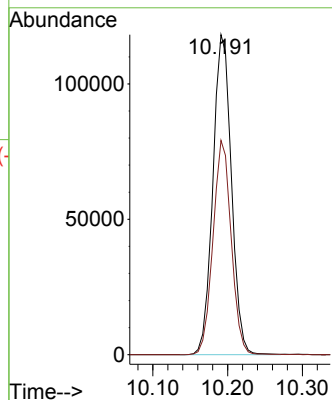
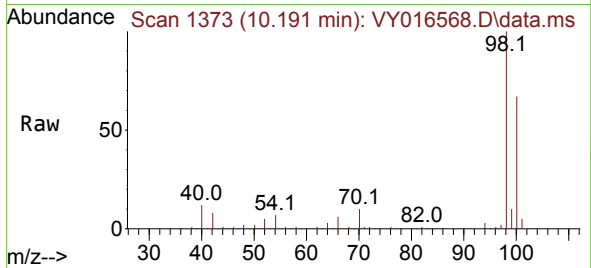




#50
Toluene-d8
Concen: 50.573 ug/l
RT: 10.191 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY016568.D
Acq: 01 Dec 2023 18:09

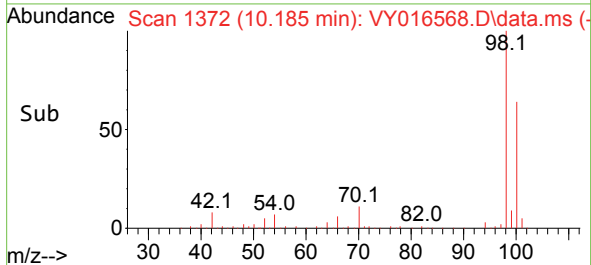
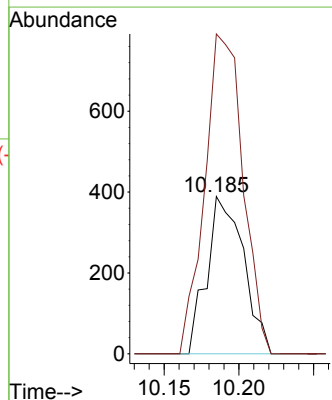
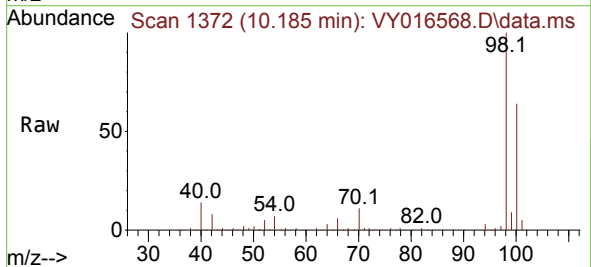
Instrument :
MSVOA_Y
ClientSampleId :

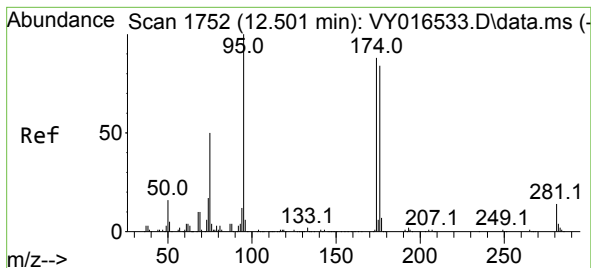
Tgt Ion: 98 Resp: 203828
Ion Ratio Lower Upper
98 100
100 65.8 50.1 75.1



#51
4-Methyl-2-Pentanone
Concen: 1.346 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.092 min
Lab File: VY016568.D
Acq: 01 Dec 2023 18:09

Tgt Ion: 43 Resp: 664
Ion Ratio Lower Upper
43 100
58 212.0 29.0 43.6#

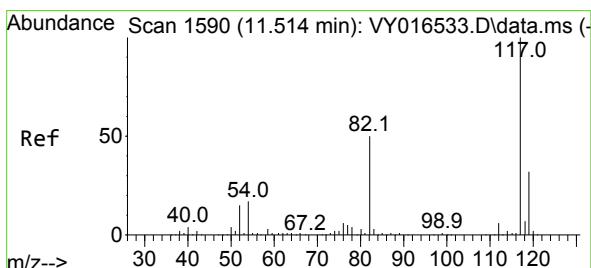
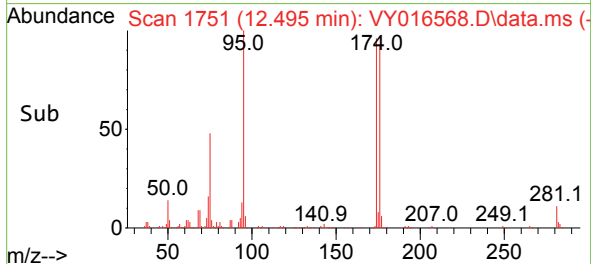
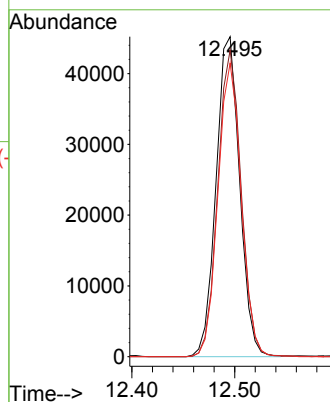
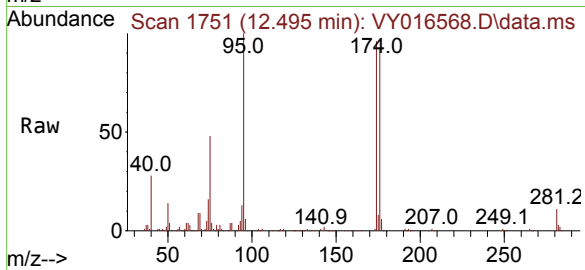




#62
4-Bromofluorobenzene
Concen: 56.884 ug/l
RT: 12.495 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY016568.D
Acq: 01 Dec 2023 18:09

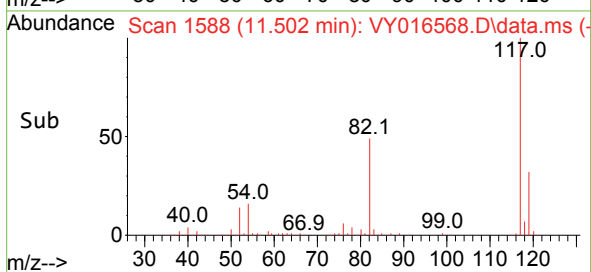
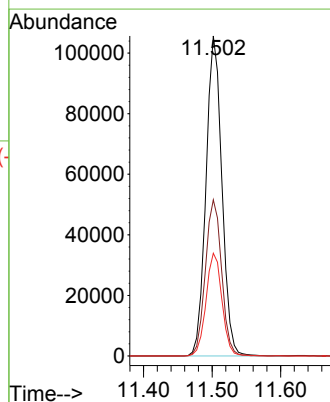
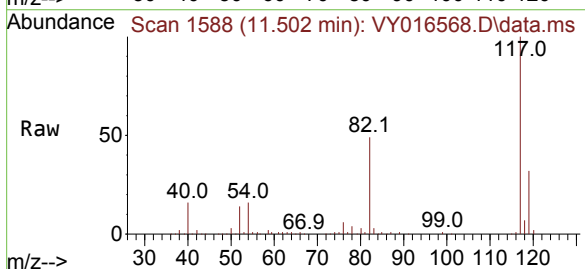
Instrument :
MSVOA_Y
ClientSampleId :

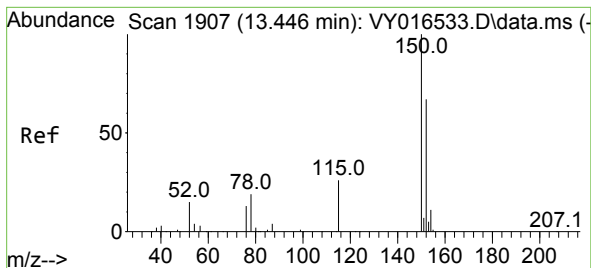
Tgt Ion: 95 Resp: 71922
Ion Ratio Lower Upper
95 100
174 94.9 0.0 178.2
176 90.8 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. -0.012 min
Lab File: VY016568.D
Acq: 01 Dec 2023 18:09

Tgt Ion: 117 Resp: 171059
Ion Ratio Lower Upper
117 100
82 48.8 43.4 65.0
119 32.1 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY016568.D

Acq: 01 Dec 2023 18:09

Instrument :

MSVOA_Y

ClientSampleId :

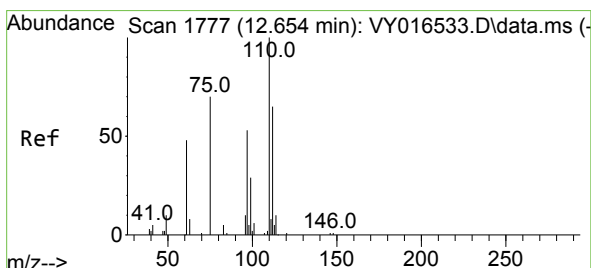
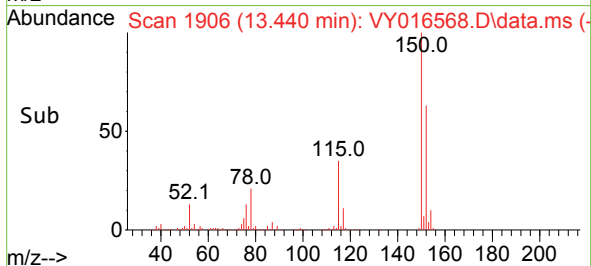
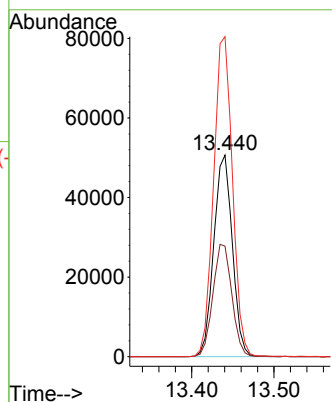
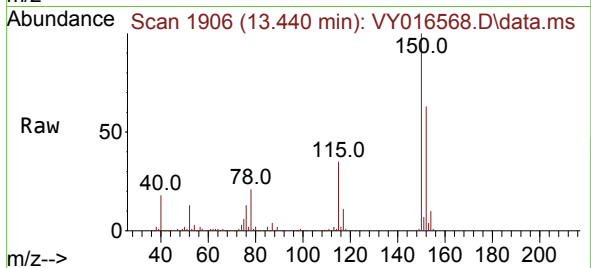
Tgt Ion:152 Resp: 79329

Ion Ratio Lower Upper

152 100

115 57.0 28.8 86.5

150 161.2 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 52.996 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.164 min

Lab File: VY016568.D

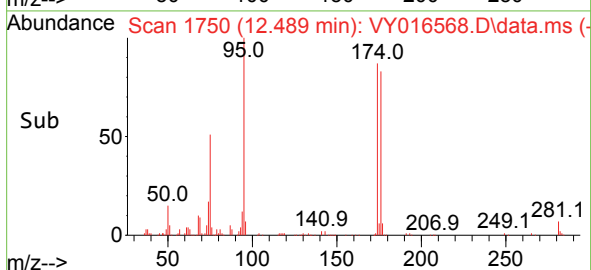
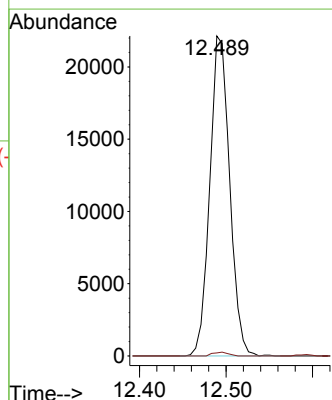
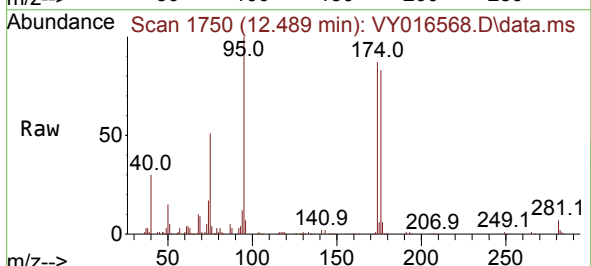
Acq: 01 Dec 2023 18:09

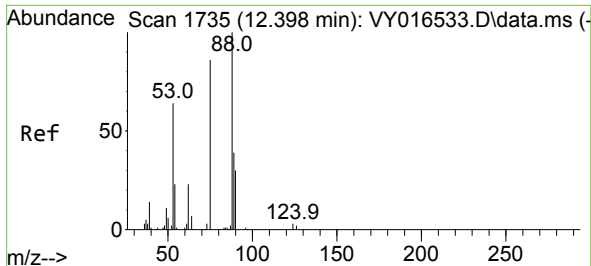
Tgt Ion: 75 Resp: 35299

Ion Ratio Lower Upper

75 100

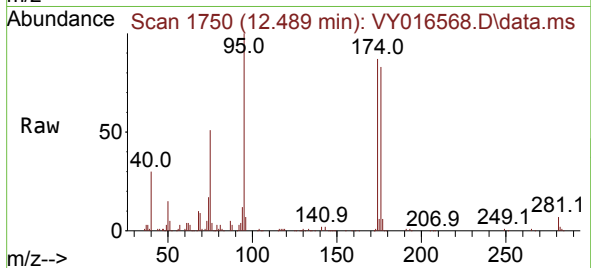
77 0.9 0.0 0.0#



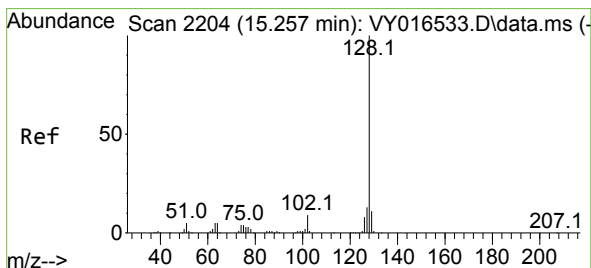
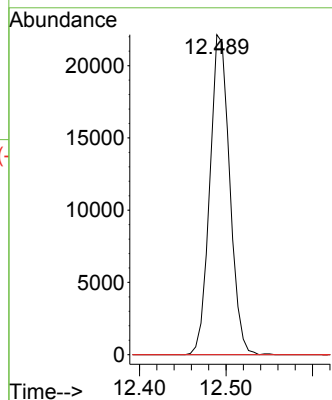
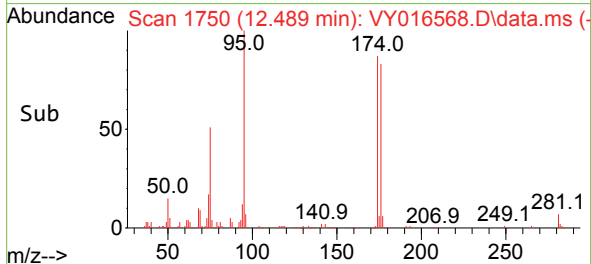


#81
trans-1,4-Dichloro-2-butene
Concen: 115.583 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.092 min
Lab File: VY016568.D
Acq: 01 Dec 2023 18:09

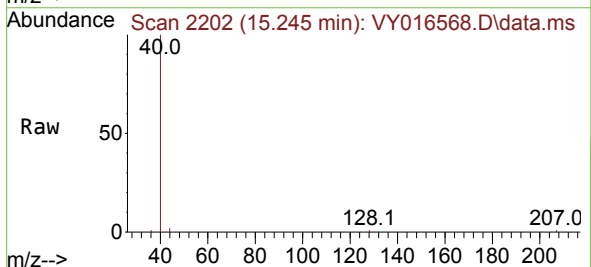
Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 35299
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#95
Naphthalene
Concen: 5.059 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. -0.012 min
Lab File: VY016568.D
Acq: 01 Dec 2023 18:09



Tgt Ion: 128 Resp: 353
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.6 13.0#

