

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
 Data File : VY016116.D
 Acq On : 27 Oct 2023 20:04
 Operator : SY/MD
 Sample : 05107-08
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 30 06:14:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 27 04:12:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	181960	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	288508	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	229030	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	80548	50.000	ug/l	# 0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	104254	57.620	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.240%	
35) Dibromofluoromethane	7.722	113	90637	49.764	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.520%	
50) Toluene-d8	10.185	98	384720	57.025	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 114.040%	
62) 4-Bromofluorobenzene	12.483	95	103283	44.629	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 89.260%	

Target Compounds			Qvalue			
3) Chloromethane	2.076	50	12827	8.336	ug/l #	73
11) Tert butyl alcohol	4.960	59	7879	9.154	ug/l #	89
13) Acrolein	3.698	56	6007	26.656	ug/l #	1
14) Allyl chloride	4.588	41	7548	3.105	ug/l #	25
15) Acrylonitrile	5.241	53	10626	22.972	ug/l #	40
16) Acetone	3.948	43	119300	243.263	ug/l	96
17) Carbon Disulfide	4.204	76	13176	3.063	ug/l	99
18) Methyl Acetate	4.485	43	4083	2.355	ug/l #	88
20) Methylene Chloride	4.722	84	29127	10.666	ug/l #	80
25) 2-Butanone	6.990	43	49019	74.059	ug/l	95
26) 2,2-Dichloropropane	6.978	77	5431	1.825	ug/l #	55
29) Tetrahydrofuran	7.356	42	693	1.825	ug/l #	55
31) Cyclohexane	7.789	56	874164	307.104	ug/l	91
36) 1,1-Dichloropropene	8.167	75	685653	270.068	ug/l #	1
37) Ethyl Acetate	6.990	43	49019	37.669	ug/l #	79
38) Carbon Tetrachloride	7.795	117	17674	6.583	ug/l #	17
39) Methylcyclohexane	9.191	83	1741906	563.195	ug/l	91
41) Methacrylonitrile	7.344	41	823	1.208	ug/l #	17
42) 1,2-Dichloroethane	8.167	62	315842	152.070	ug/l #	78
43) Isopropyl Acetate	8.271	43	42919	17.640	ug/l #	55
48) Methyl methacrylate	9.246	41	38818	34.630	ug/l #	33
49) 1,4-Dioxane	9.197	88	20	1.499	ug/l #	1
51) 4-Methyl-2-Pentanone	10.075	43	36560	28.477	ug/l	94
52) Toluene	10.252	92	17675985	3829.545	ug/l #	1
53) t-1,3-Dichloropropene	10.252	75	261068	98.964	ug/l #	1
55) 1,1,2-Trichloroethane	10.624	97	145356	95.908	ug/l #	18
56) Ethyl methacrylate	10.526	69	84050	43.152	ug/l #	47
59) 2-Hexanone	10.807	43	127596	134.918	ug/l #	32
67) Ethyl Benzene	11.593	91	5023607	628.395	ug/l	97
68) m/p-Xylenes	11.703	106	9056467	2927.356	ug/l	80
69) o-Xylene	12.032	106	4442270	1499.858	ug/l	89
70) Styrene	12.044	104	1110540	224.939	ug/l #	45
73) Isopropylbenzene	12.331	105	453966	80.083	ug/l	99
74) N-amyl acetate	12.123	43	67459	48.805	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.526	83	3787	3.268	ug/l #	4
76) 1,2,3-Trichloropropane	12.672	75	4936	6.002	ug/l #	100

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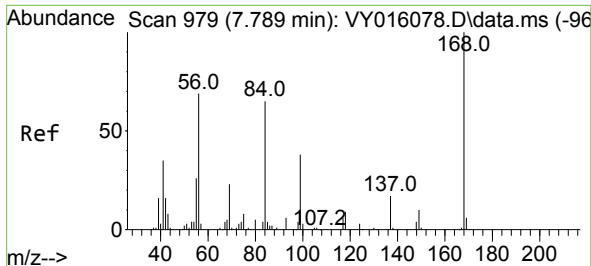
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

77) Bromobenzene	12.416	156	1037677	784.351	ug/l #	1
78) n-propylbenzene	12.672	91	849596	123.781	ug/l	99
79) 2-Chlorotoluene	12.739	91	340291	88.524	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.812	105	2816059	598.343	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.392	75	2557	6.757	ug/l #	16
82) 4-Chlorotoluene	13.081	91	39497	9.908	ug/l	77
83) tert-Butylbenzene	13.081	119	47233	11.290	ug/l	82
84) 1,2,4-Trimethylbenzene	13.123	105	5899481	1269.195	ug/l	96
85) sec-Butylbenzene	13.123	105	5899401	946.802	ug/l #	56
86) p-Isopropyltoluene	13.373	119	218306	41.988	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	6663	2.524	ug/l #	1
89) n-Butylbenzene	13.696	91	118758	24.486	ug/l #	58
90) Hexachloroethane	13.971	117	62026	61.276	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	14.385	75	2995	16.463	ug/l #	26
93) 1,2,4-Trichlorobenzene	15.013	180	1663	1.136	ug/l #	1
95) Naphthalene	15.233	128	18715214	6558.114	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.397	180	2561	2.030	ug/l #	1

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

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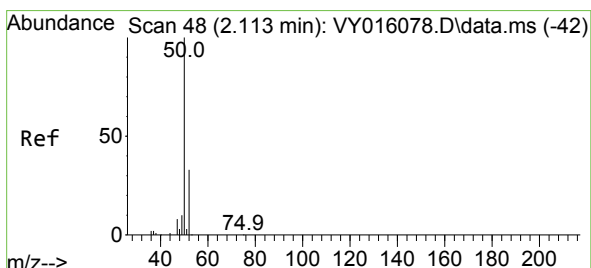
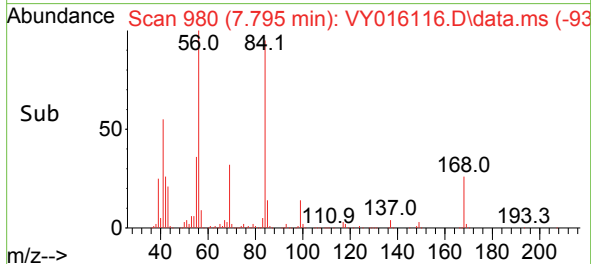
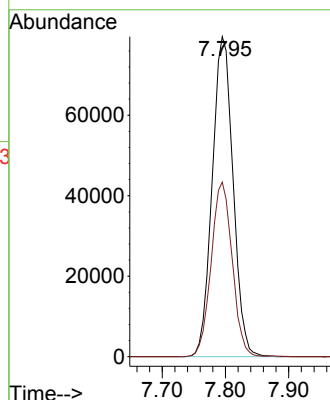
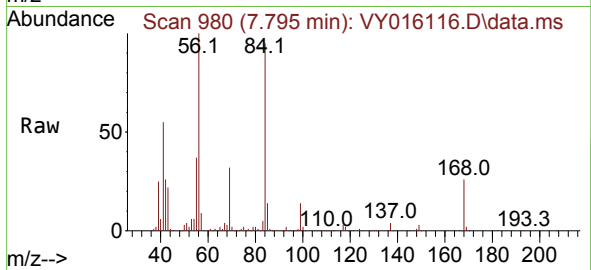




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016116.D
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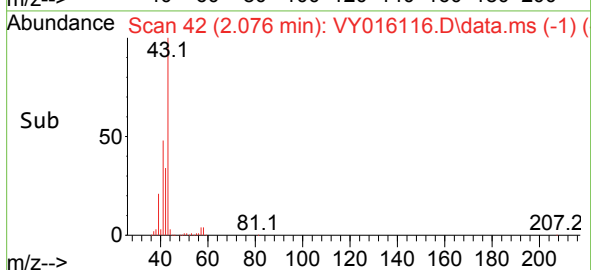
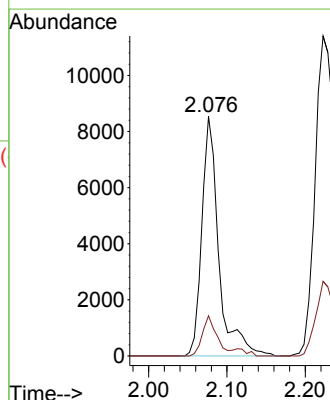
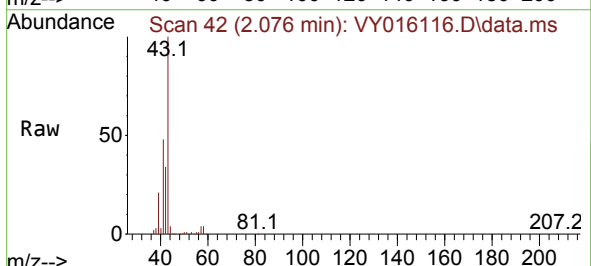
Instrument :
MSVOA_Y
ClientSampleId :

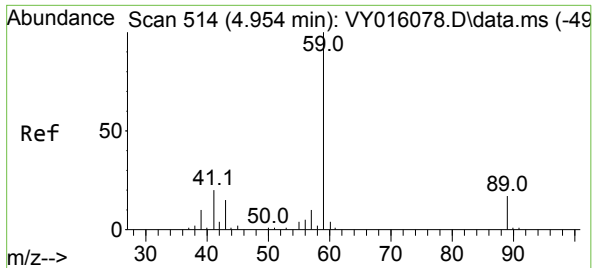
Tgt Ion:168 Resp: 181960
Ion Ratio Lower Upper
168 100
99 54.5 43.4 65.0



#3
Chloromethane
Concen: 8.336 ug/l
RT: 2.076 min Scan# 42
Delta R.T. -0.037 min
Lab File: VY016116.D
Acq: 27 Oct 2023 20:04

Tgt Ion: 50 Resp: 12827
Ion Ratio Lower Upper
50 100
52 16.8 25.4 38.2#

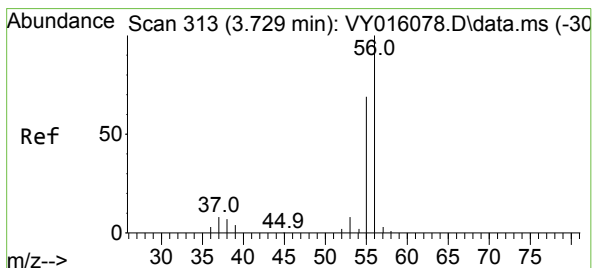
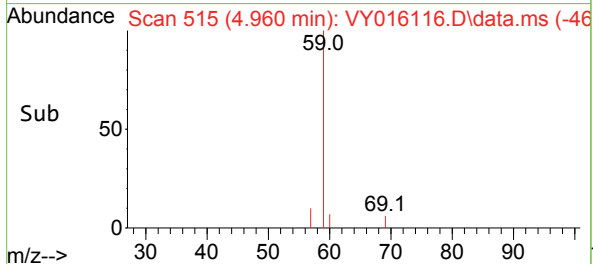
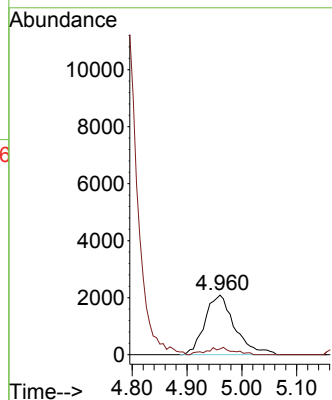
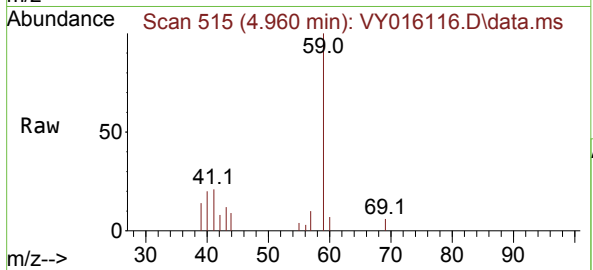




#11
Tert butyl alcohol
Concen: 9.154 ug/l
RT: 4.960 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY016116.D
Acq: 27 Oct 2023 20:04

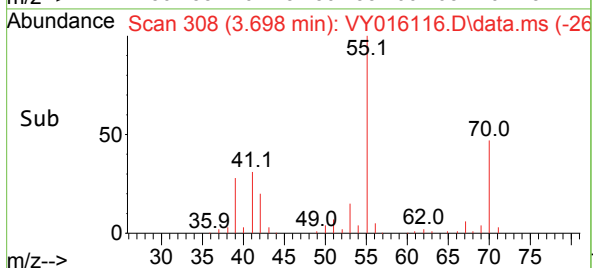
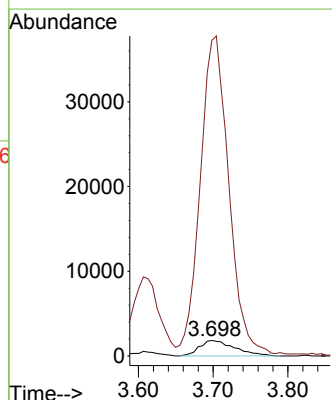
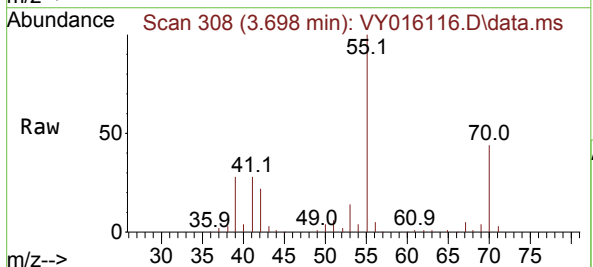
Instrument :
MSVOA_Y
ClientSampleId :

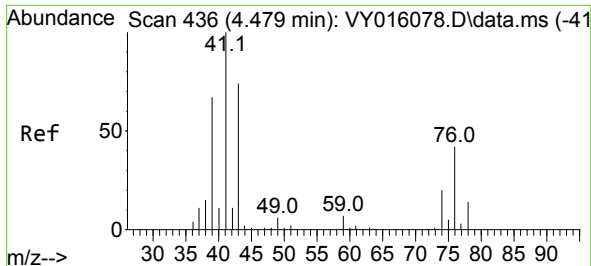
Tgt Ion: 59 Resp: 7879
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#13
Acrolein
Concen: 26.656 ug/l
RT: 3.698 min Scan# 308
Delta R.T. -0.031 min
Lab File: VY016116.D
Acq: 27 Oct 2023 20:04

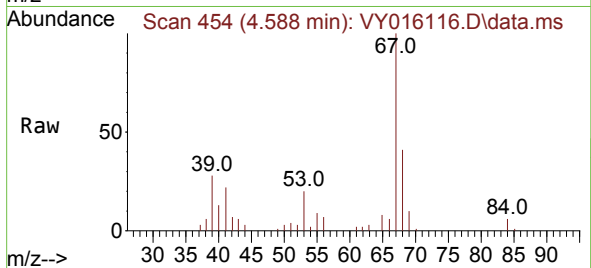
Tgt Ion: 56 Resp: 6007
Ion Ratio Lower Upper
56 100
55 1660.5 57.0 85.4#



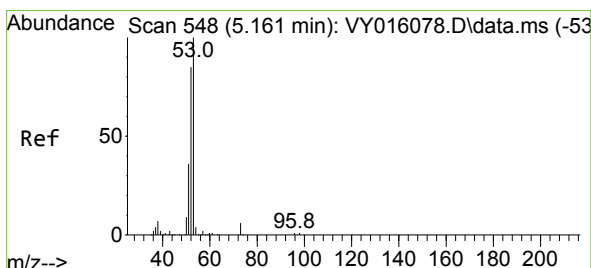
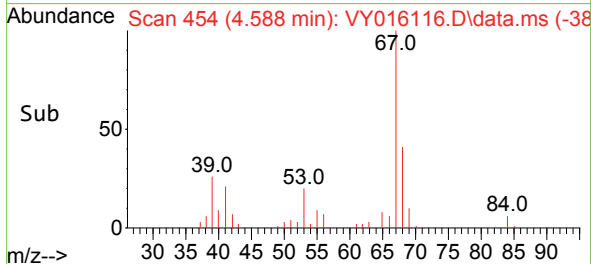
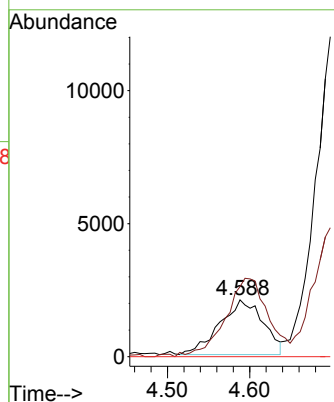


#14
 Allyl chloride
 Concen: 3.105 ug/l
 RT: 4.588 min Scan# 41
 Delta R.T. 0.110 min
 Lab File: VY016116.D
 Acq: 27 Oct 2023 20:04

Instrument :
 MSVOA_Y
 ClientSampleId :

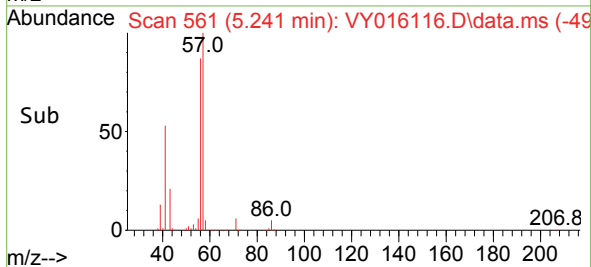
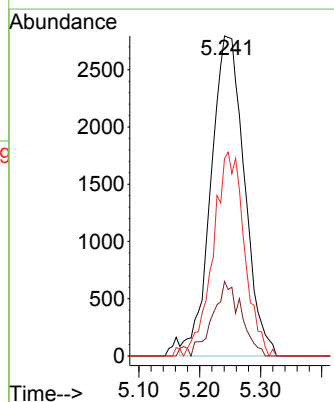
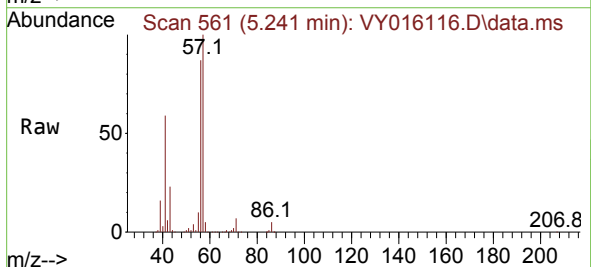


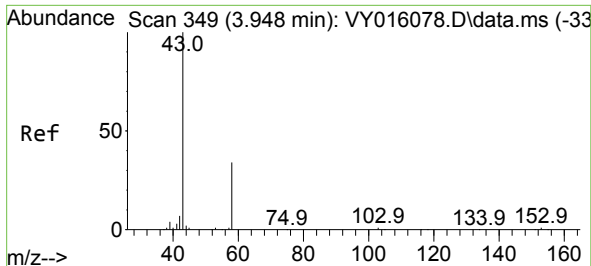
Tgt Ion: 41 Resp: 7548
 Ion Ratio Lower Upper
 41 100
 39 140.7 58.0 87.0#
 76 0.0 27.4 41.2#



#15
 Acrylonitrile
 Concen: 22.972 ug/l
 RT: 5.241 min Scan# 561
 Delta R.T. 0.079 min
 Lab File: VY016116.D
 Acq: 27 Oct 2023 20:04

Tgt Ion: 53 Resp: 10626
 Ion Ratio Lower Upper
 53 100
 52 19.9 66.9 100.3#
 51 59.7 29.8 44.6#





#16

Acetone

Concen: 243.263 ug/l

RT: 3.948 min Scan# 349

Delta R.T. -0.000 min

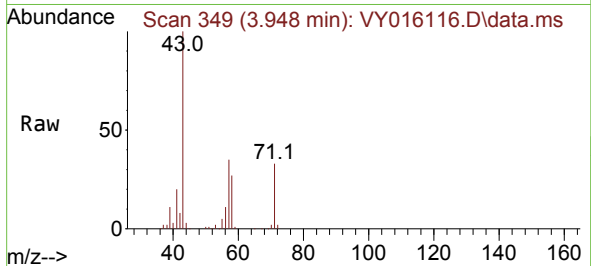
Lab File: VY016116.D

Acq: 27 Oct 2023 20:04

Instrument :

MSVOA_Y

ClientSampleId :

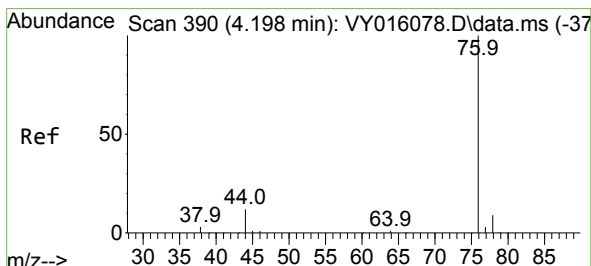
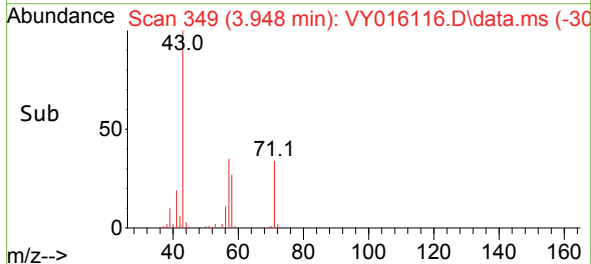
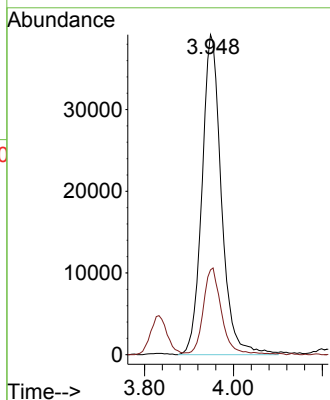


Tgt Ion: 43 Resp: 119300

Ion Ratio Lower Upper

43 100

58 26.2 22.7 34.1



#17

Carbon Disulfide

Concen: 3.063 ug/l

RT: 4.204 min Scan# 391

Delta R.T. 0.006 min

Lab File: VY016116.D

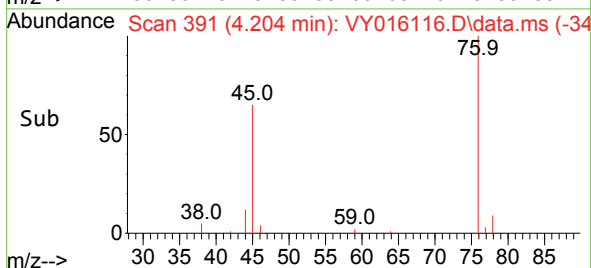
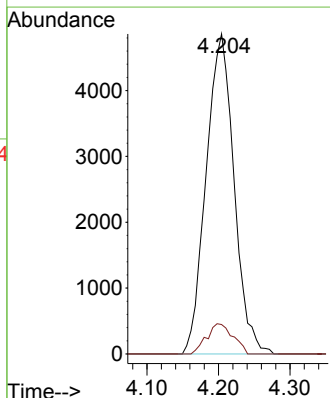
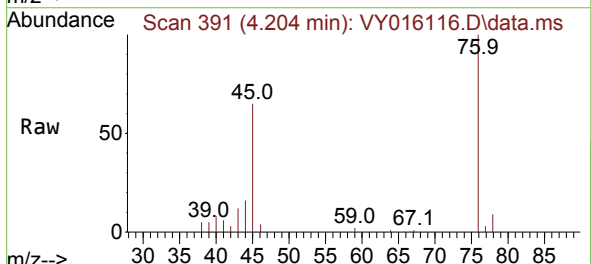
Acq: 27 Oct 2023 20:04

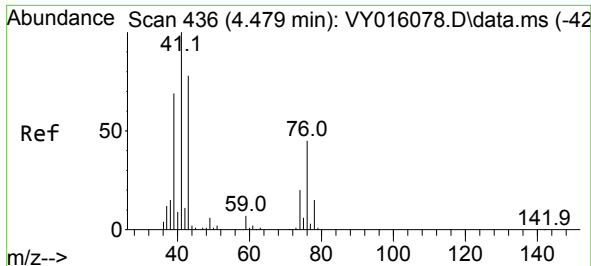
Tgt Ion: 76 Resp: 13176

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.4

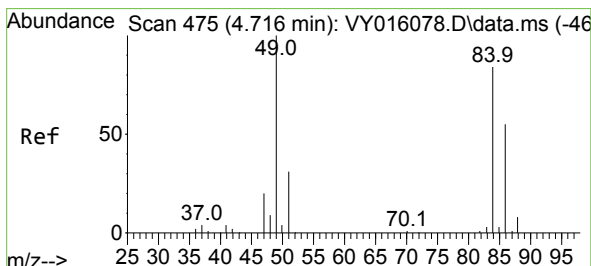
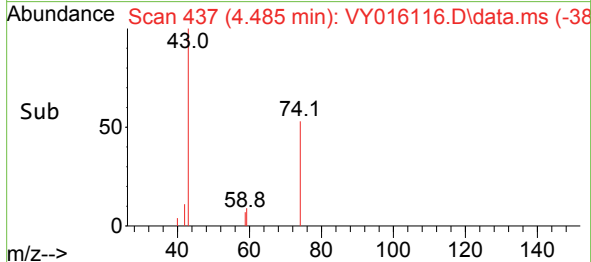
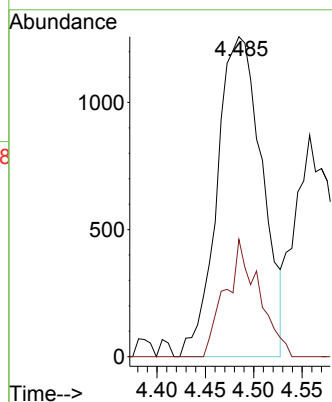
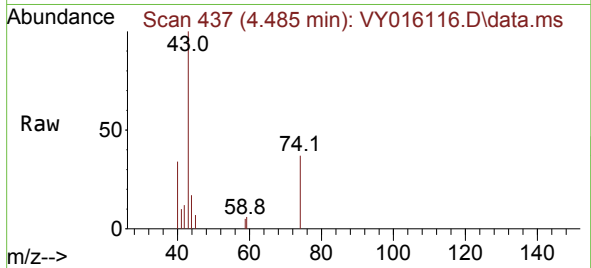




#18
Methyl Acetate
Concen: 2.355 ug/l
RT: 4.485 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY016116.D
Acq: 27 Oct 2023 20:04

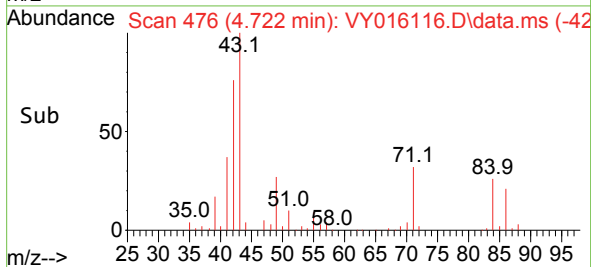
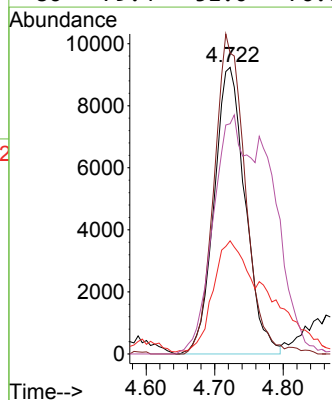
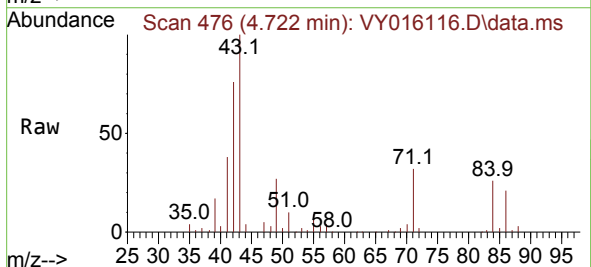
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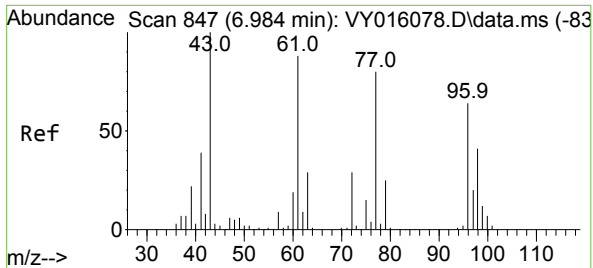
Tgt Ion: 43 Resp: 4083
Ion Ratio Lower Upper
43 100
74 27.2 17.4 26.0#



#20
Methylene Chloride
Concen: 10.666 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY016116.D
Acq: 27 Oct 2023 20:04

Tgt Ion: 84 Resp: 29127
Ion Ratio Lower Upper
84 100
49 104.9 106.9 160.3#
51 38.3 33.2 49.8
86 79.4 51.0 76.6#





#25

2-Butanone

Concen: 74.059 ug/l

RT: 6.990 min Scan# 847

Delta R.T. 0.006 min

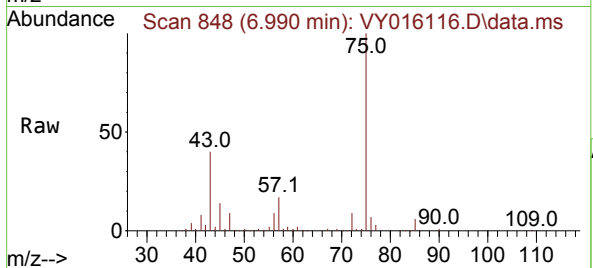
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Acq: 27 Oct 2023 20:04

Instrument :

MSVOA_Y

ClientSampleId :

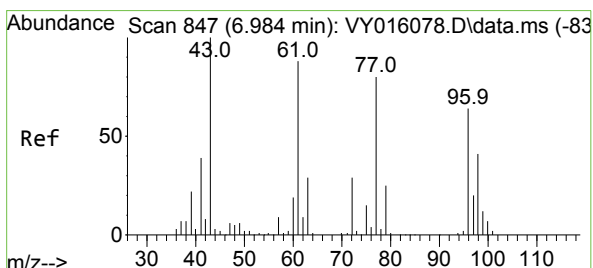
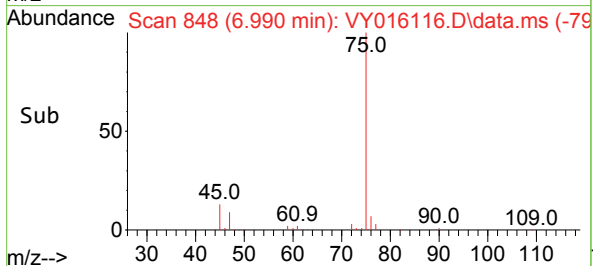
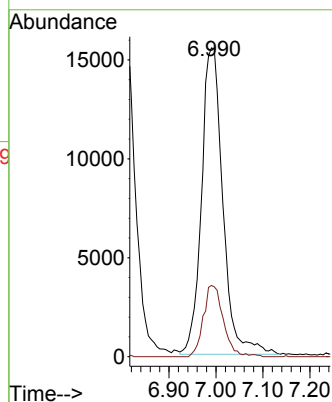


Tgt Ion: 43 Resp: 49019

Ion Ratio Lower Upper

43 100

72 23.2 20.5 30.7



#26

2,2-Dichloropropane

Concen: 1.825 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY016116.D

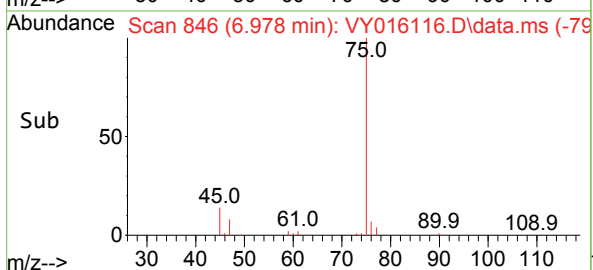
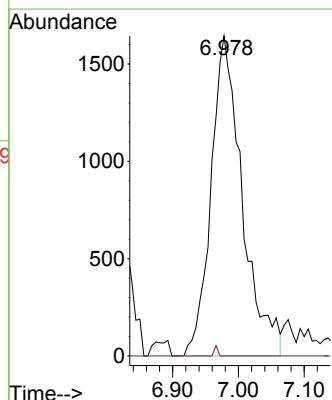
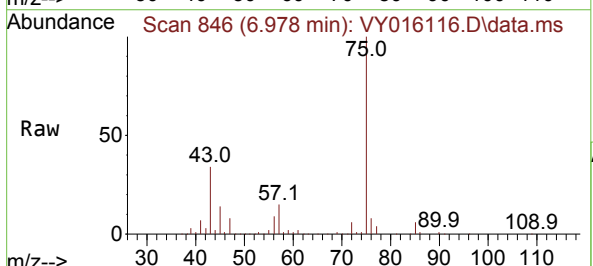
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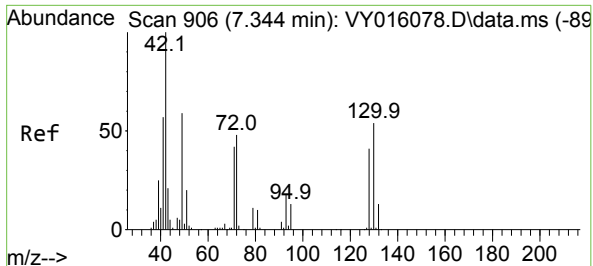
Tgt Ion: 77 Resp: 5431

Ion Ratio Lower Upper

77 100

97 0.4 10.9 32.9#





#29

Tetrahydrofuran

Concen: 1.825 ug/l

RT: 7.356 min Scan# 906

Delta R.T. 0.012 min

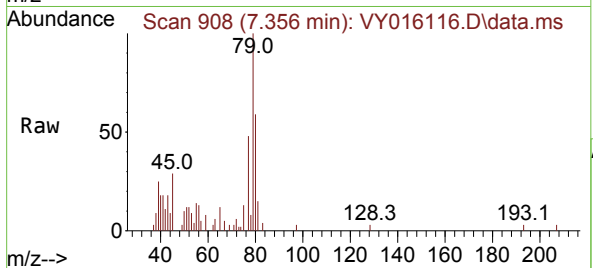
Lab File: VY016116.D

Acq: 27 Oct 2023 20:04

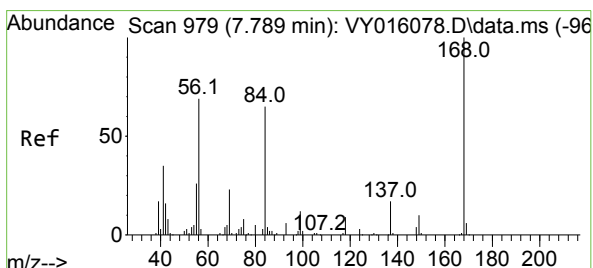
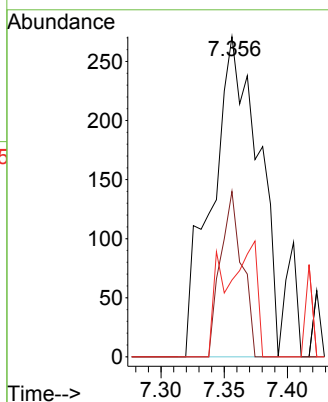
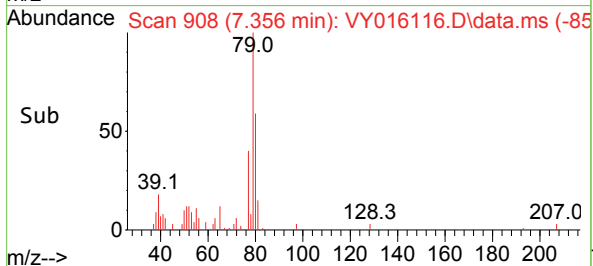
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	693
Ion	Ratio	Lower	Upper
42	100		
72	24.1	32.8	49.2#
71	0.0	31.0	46.4#



#31

Cyclohexane

Concen: 307.104 ug/l

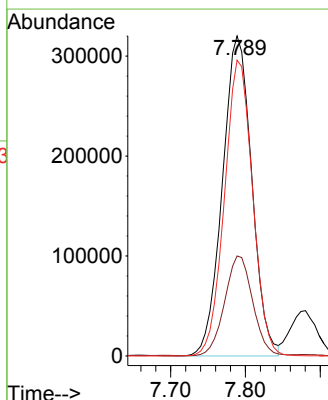
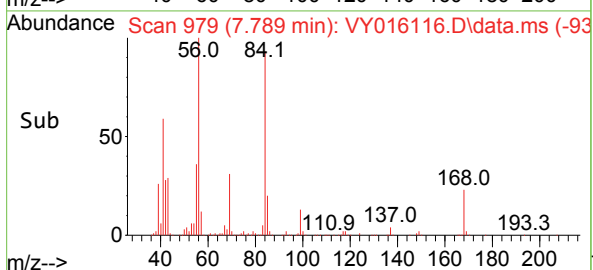
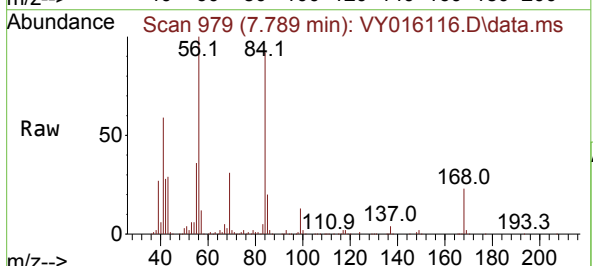
RT: 7.789 min Scan# 979

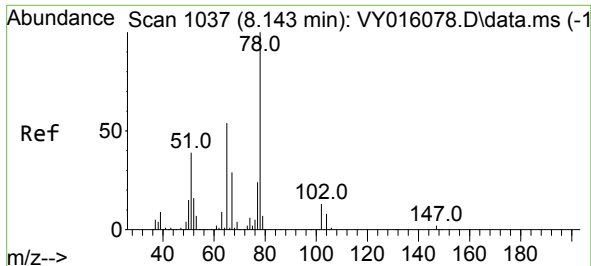
Delta R.T. -0.000 min

Lab File: VY016116.D

Acq: 27 Oct 2023 20:04

Tgt Ion:	56	Resp:	874164
Ion	Ratio	Lower	Upper
56	100		
69	31.1	27.8	41.6
84	92.5	66.4	99.6

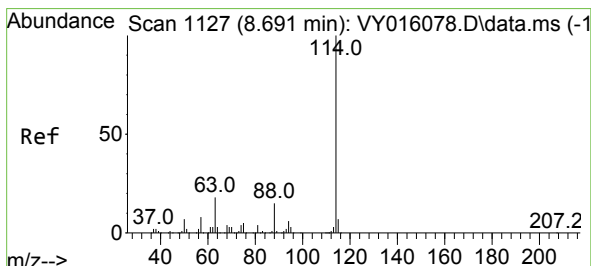
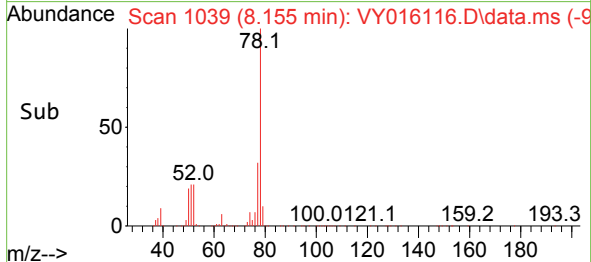
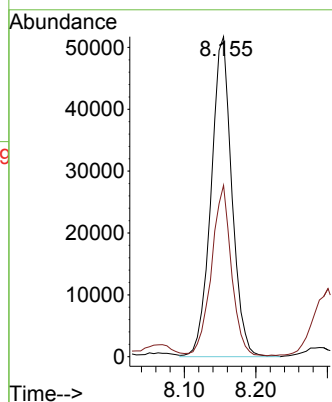
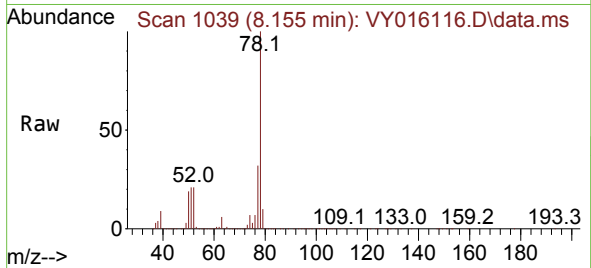




#33
 1,2-Dichloroethane-d4
 Concen: 57.620 ug/l
 RT: 8.155 min Scan# 1039
 Delta R.T. 0.012 min
 Lab File: VY016116.D
 Acq: 27 Oct 2023 20:04

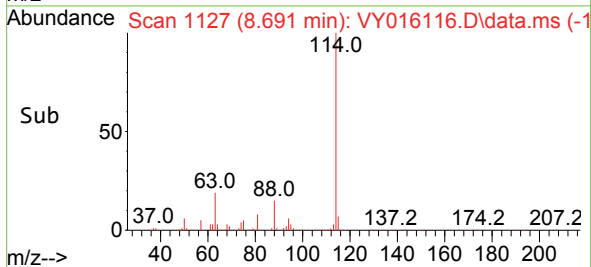
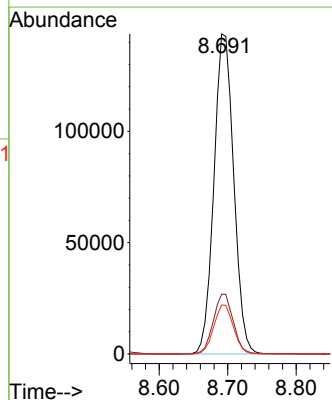
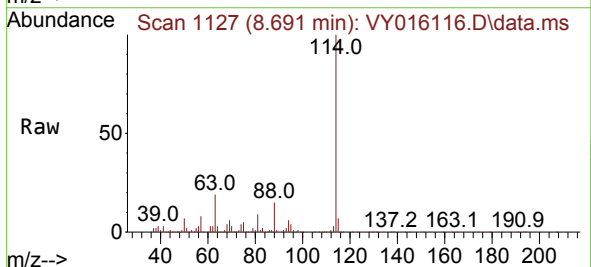
Instrument :
 MSVOA_Y
 ClientSampleId :

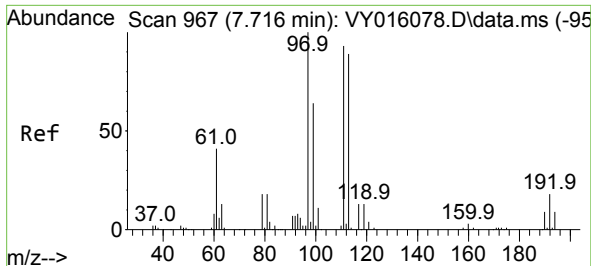
Tgt Ion: 65 Resp: 104254
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. -0.000 min
 Lab File: VY016116.D
 Acq: 27 Oct 2023 20:04

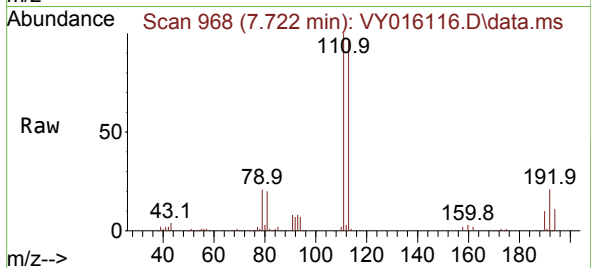
Tgt Ion: 114 Resp: 288508
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 42.4
 88 15.3 0.0 30.6



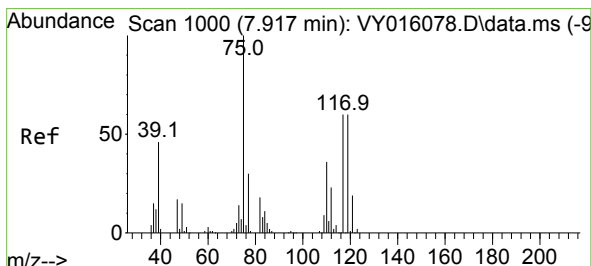
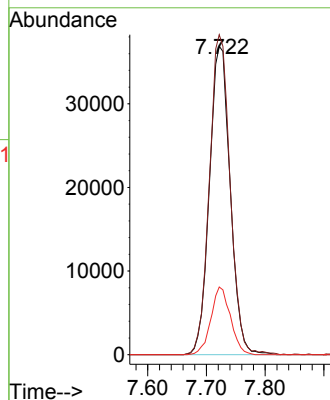
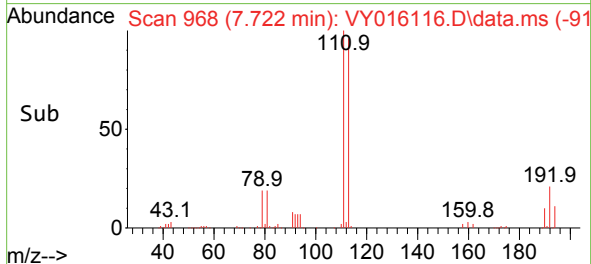


#35
 Dibromofluoromethane
 Concen: 49.764 ug/l
 RT: 7.722 min Scan# 90
 Delta R.T. 0.006 min
 Lab File: VY016116.D
 Acq: 27 Oct 2023 20:04

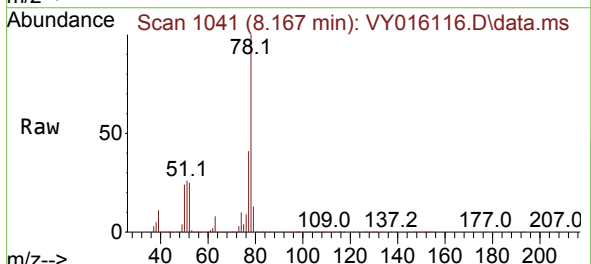
Instrument :
 MSVOA_Y
 ClientSampleId :



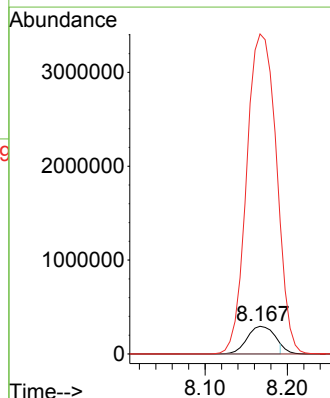
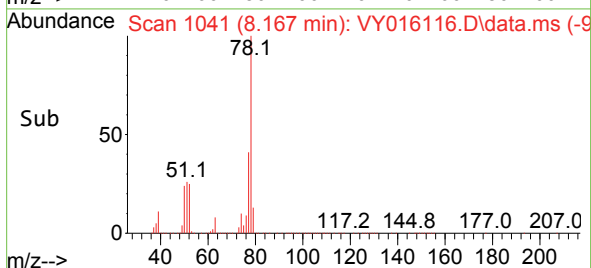
Tgt Ion:113 Resp: 90637
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.3 121.9
 192 20.7 16.9 25.3

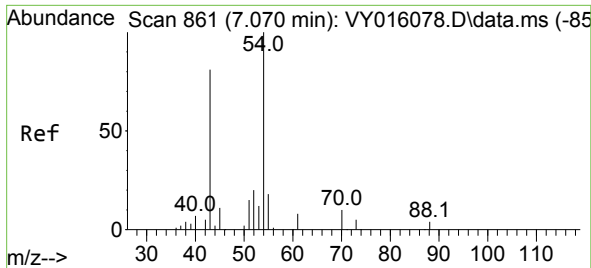


#36
 1,1-Dichloropropene
 Concen: 270.068 ug/l
 RT: 8.167 min Scan# 1041
 Delta R.T. 0.250 min
 Lab File: VY016116.D
 Acq: 27 Oct 2023 20:04



Tgt Ion: 75 Resp: 685653
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.8 53.5#
 77 1193.8 24.4 36.6#

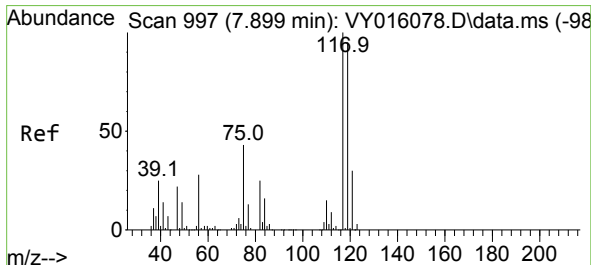
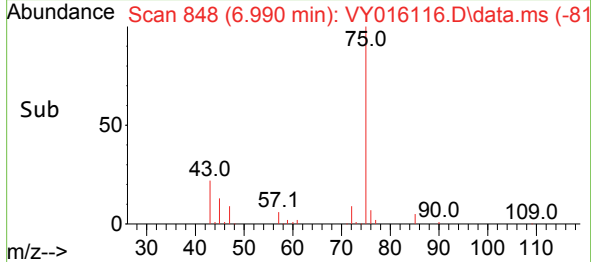
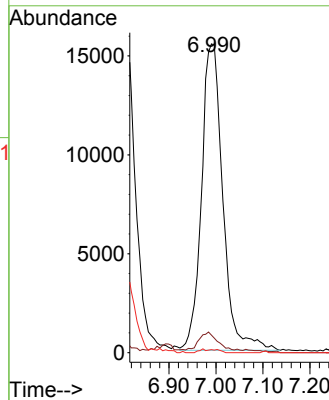
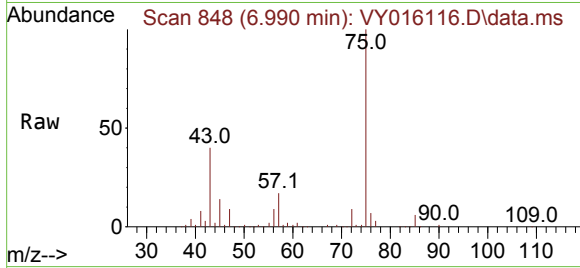




#37
Ethyl Acetate
Concen: 37.669 ug/l
RT: 6.990 min Scan# 84
Delta R.T. -0.079 min
Lab File: VY016116.D
Acq: 27 Oct 2023 20:04

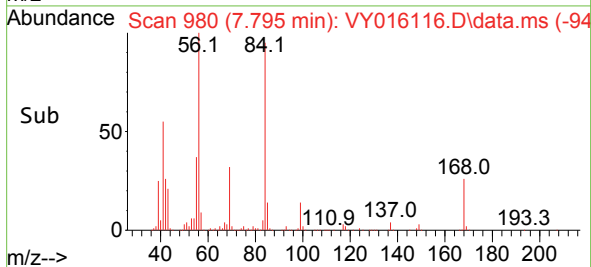
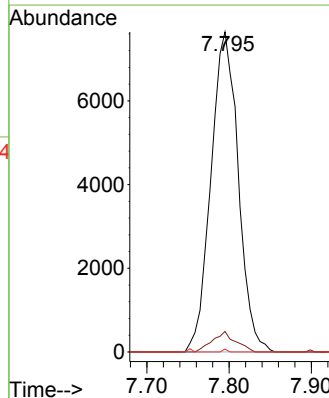
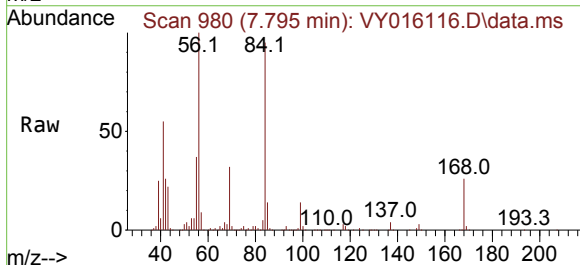
Instrument :
MSVOA_Y
ClientSampleId :

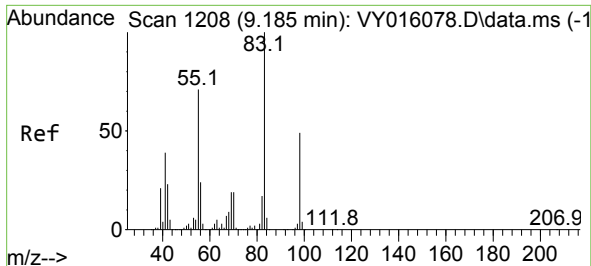
Tgt Ion: 43 Resp: 49019
Ion Ratio Lower Upper
43 100
61 5.1 10.1 15.1#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.583 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.104 min
Lab File: VY016116.D
Acq: 27 Oct 2023 20:04

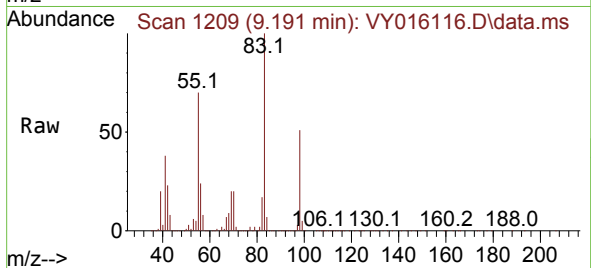
Tgt Ion: 117 Resp: 17674
Ion Ratio Lower Upper
117 100
119 6.4 76.4 114.6#
121 0.9 25.8 38.6#



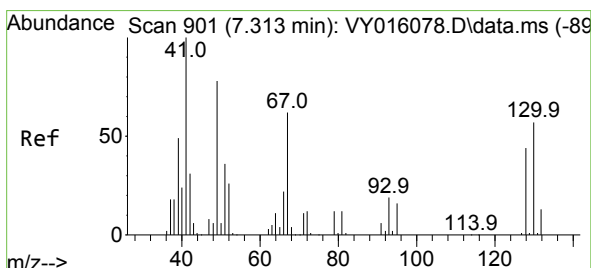
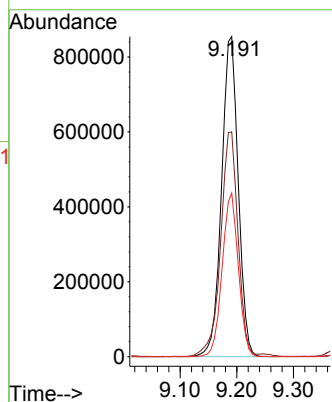
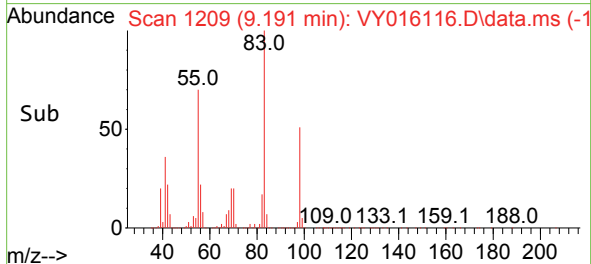


#39
Methylcyclohexane
Concen: 563.195 ug/l
RT: 9.191 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY016116.D
Acq: 27 Oct 2023 20:04

Instrument :
MSVOA_Y
ClientSampleId :

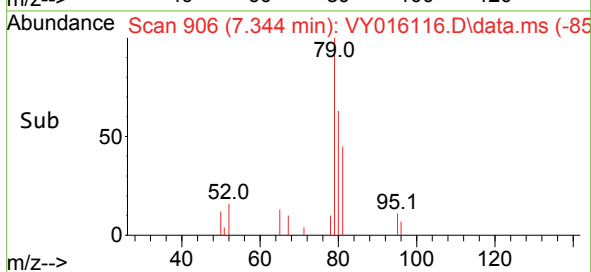
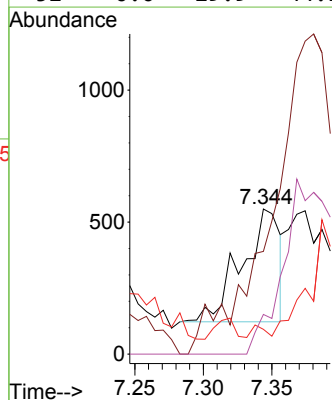
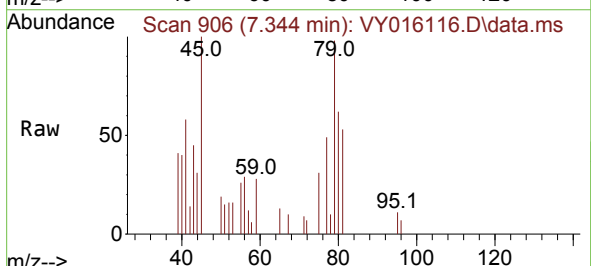


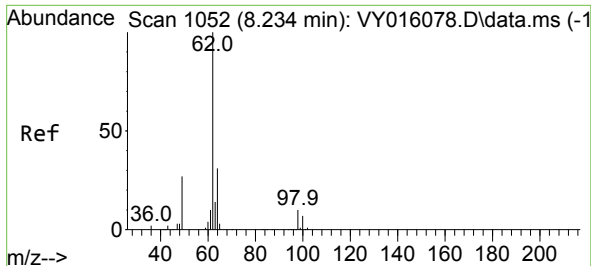
Tgt Ion: 83 Resp: 1741906
Ion Ratio Lower Upper
83 100
55 70.2 63.0 94.4
98 51.2 37.4 56.2



#41
Methacrylonitrile
Concen: 1.208 ug/l
RT: 7.344 min Scan# 906
Delta R.T. 0.030 min
Lab File: VY016116.D
Acq: 27 Oct 2023 20:04

Tgt Ion: 41 Resp: 823
Ion Ratio Lower Upper
41 100
39 0.0 52.1 78.1#
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#





#42

1,2-Dichloroethane

Concen: 152.070 ug/l

RT: 8.167 min Scan# 1041

Delta R.T. -0.067 min

Lab File: VY016116.D

Acq: 27 Oct 2023 20:04

Instrument :

MSVOA_Y

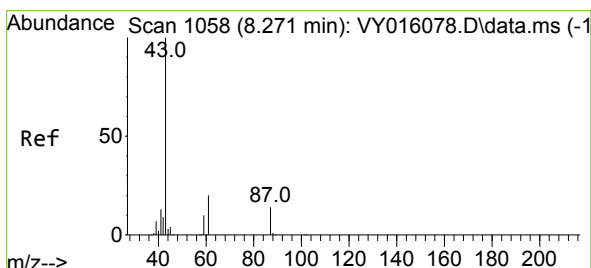
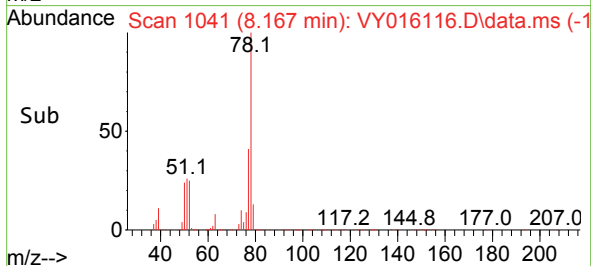
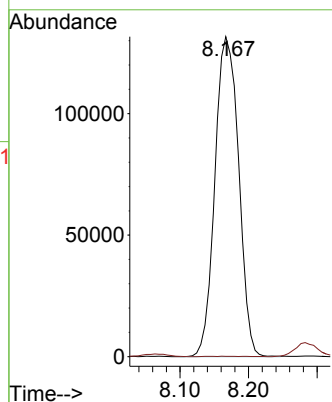
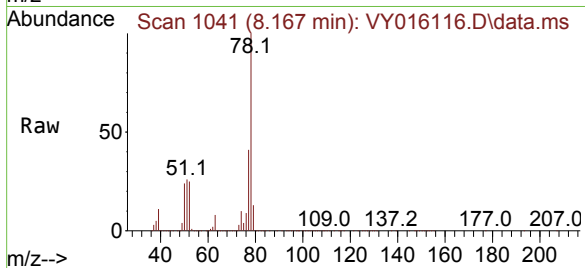
ClientSampleId :

Tgt Ion: 62 Resp: 315842

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 17.640 ug/l

RT: 8.271 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VY016116.D

Acq: 27 Oct 2023 20:04

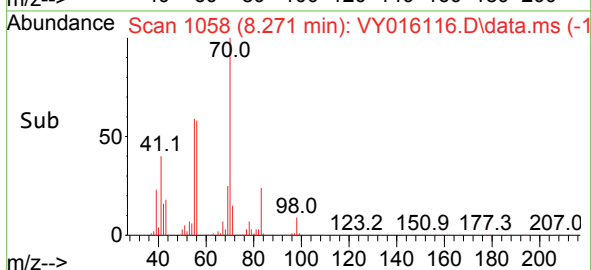
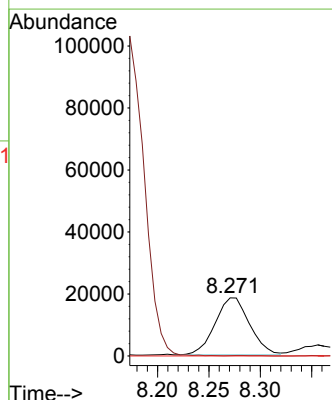
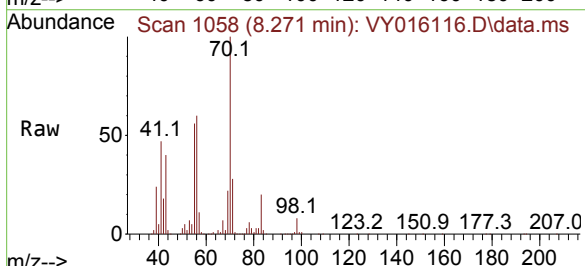
Tgt Ion: 43 Resp: 42919

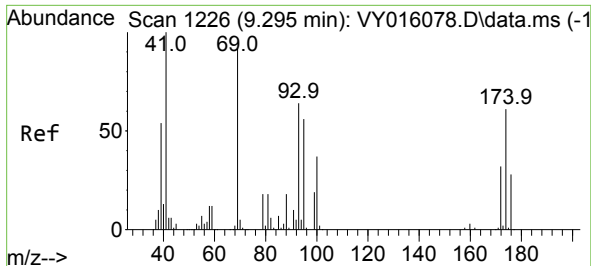
Ion Ratio Lower Upper

43 100

61 0.0 21.1 31.7#

87 0.0 9.8 14.8#

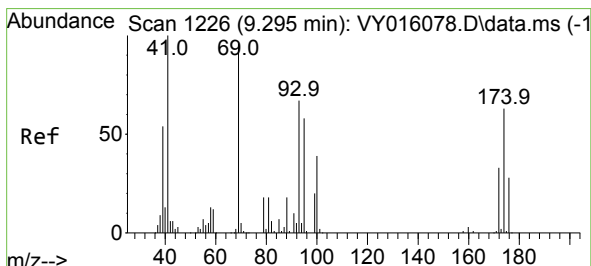
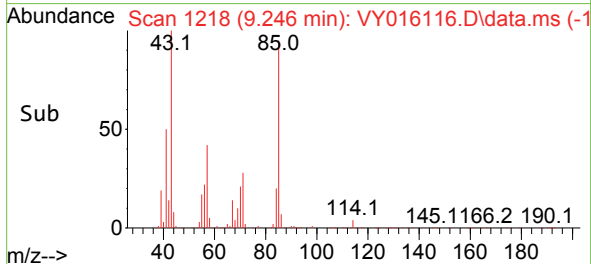
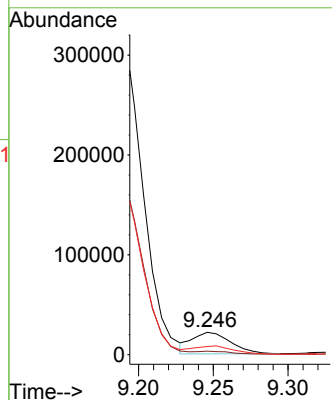
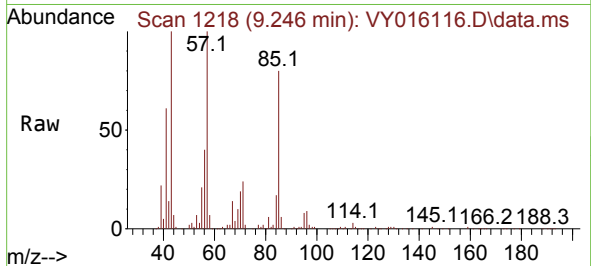




#48
Methyl methacrylate
Concen: 34.630 ug/l
RT: 9.246 min Scan# 11
Delta R.T. -0.049 min
Lab File: VY016116.D
Acq: 27 Oct 2023 20:04

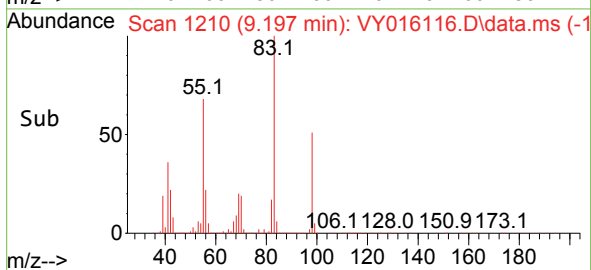
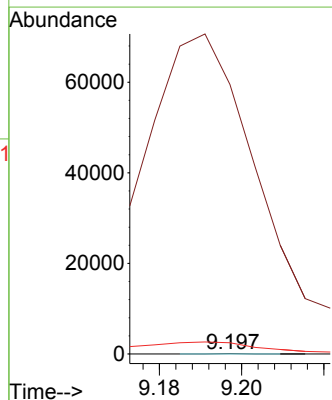
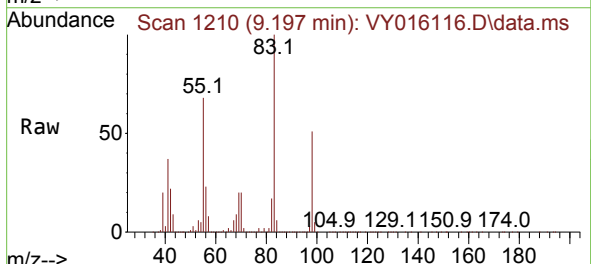
Instrument :
MSVOA_Y
ClientSampleId :

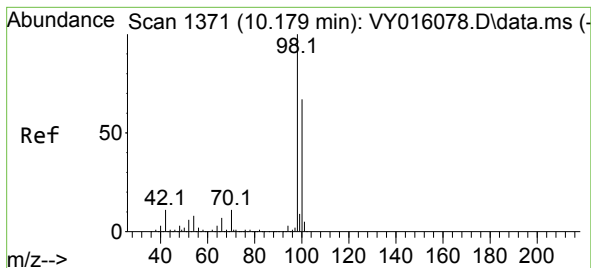
Tgt Ion: 41 Resp: 38818
Ion Ratio Lower Upper
41 100
69 0.0 64.5 96.7#
39 35.8 50.8 76.2#



#49
1,4-Dioxane
Concen: 1.499 ug/l
RT: 9.197 min Scan# 1210
Delta R.T. -0.098 min
Lab File: VY016116.D
Acq: 27 Oct 2023 20:04

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 722415.0 0.0 0.0#
58 24505.0 30.9 46.3#

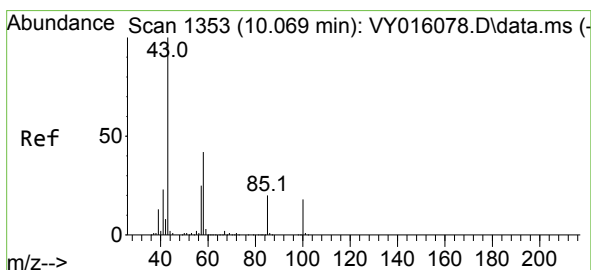
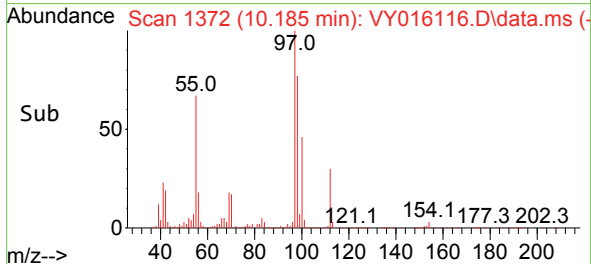
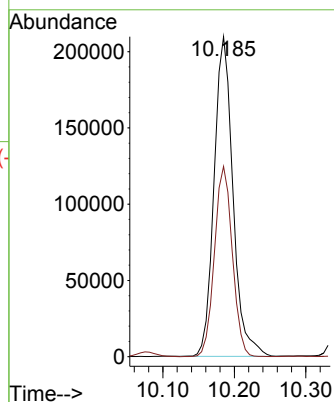
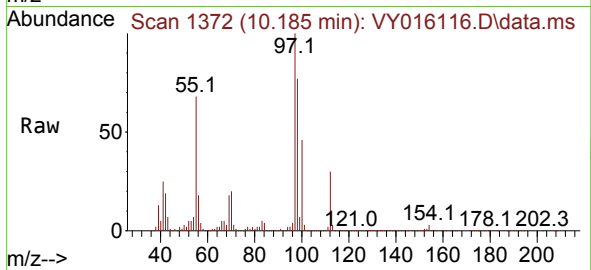




#50
Toluene-d8
Concen: 57.025 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY016116.D
Acq: 27 Oct 2023 20:04

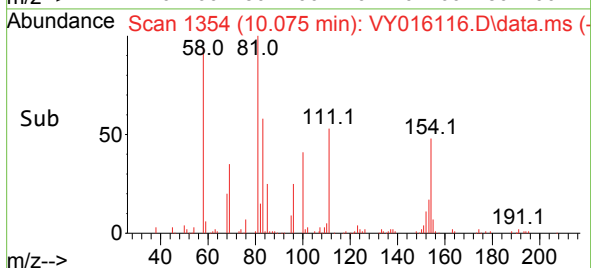
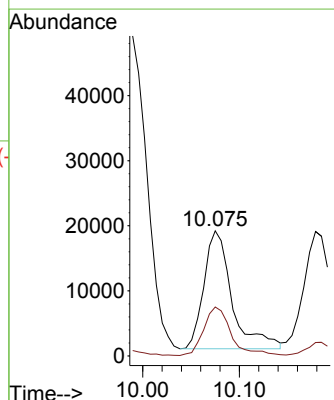
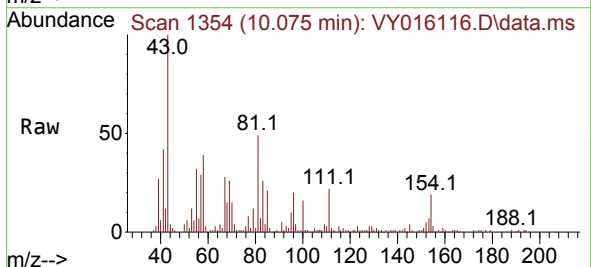
Instrument :
MSVOA_Y
ClientSampleId :

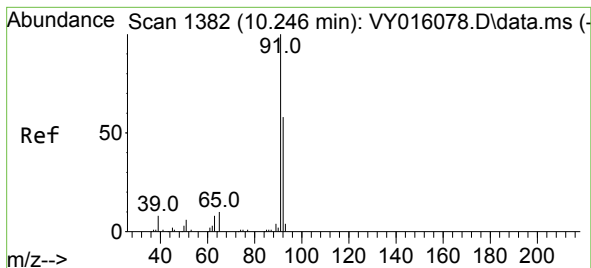
Tgt Ion: 98 Resp: 384720
Ion Ratio Lower Upper
98 100
100 56.3 50.1 75.1



#51
4-Methyl-2-Pentanone
Concen: 28.477 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.006 min
Lab File: VY016116.D
Acq: 27 Oct 2023 20:04

Tgt Ion: 43 Resp: 36560
Ion Ratio Lower Upper
43 100
58 40.0 29.0 43.6





#52

Toluene

Concen: 3829.545 ug/l

RT: 10.252 min Scan# 1383

Delta R.T. 0.006 min

Lab File: VY016116.D

Acq: 27 Oct 2023 20:04

Instrument :

MSVOA_Y

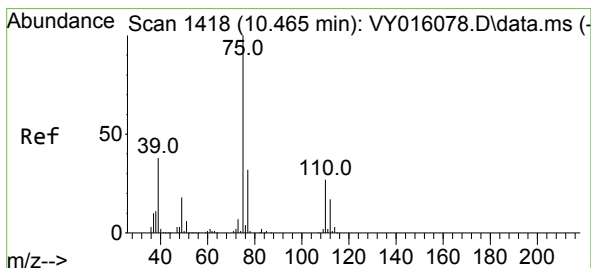
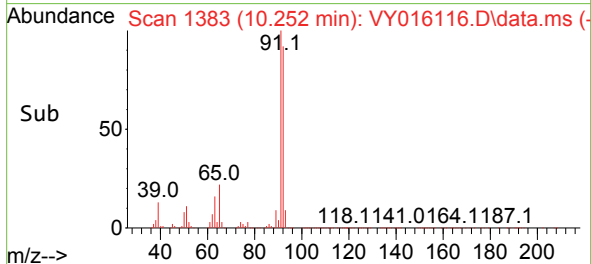
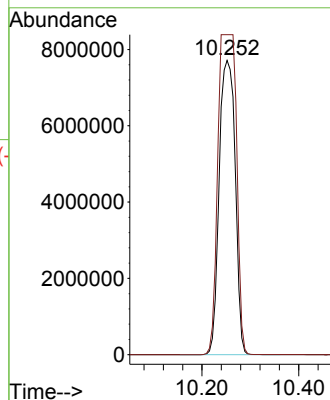
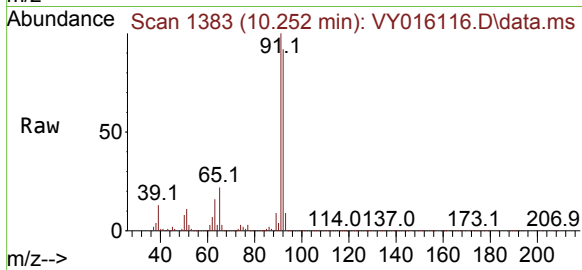
ClientSampleId :

Tgt Ion: 92 Resp:17675985

Ion Ratio Lower Upper

92 100

91 0.0 143.8 215.6#



#53

t-1,3-Dichloropropene

Concen: 98.964 ug/l

RT: 10.252 min Scan# 1383

Delta R.T. -0.213 min

Lab File: VY016116.D

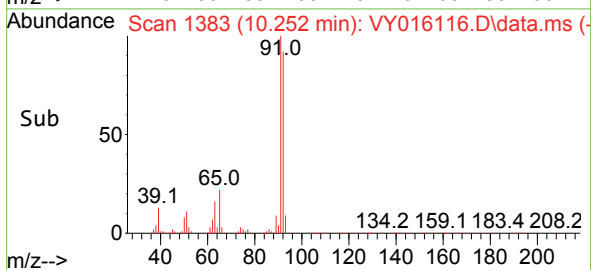
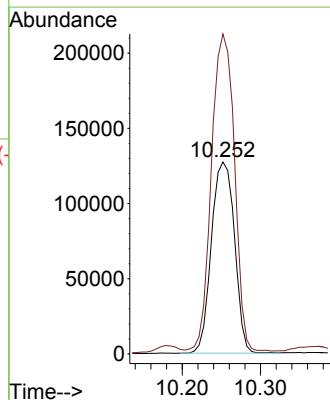
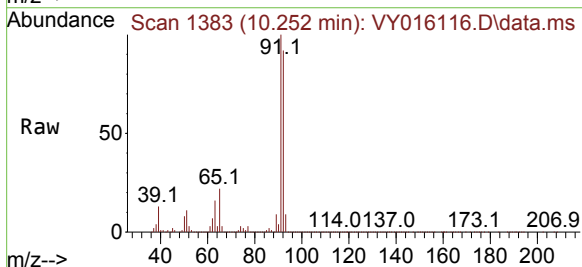
Acq: 27 Oct 2023 20:04

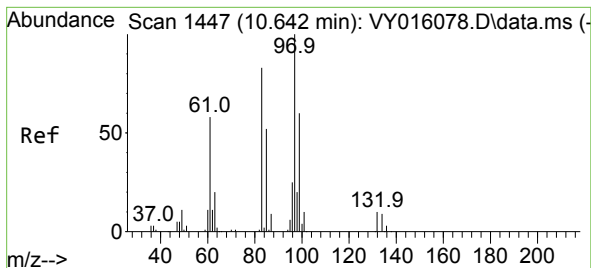
Tgt Ion: 75 Resp: 261068

Ion Ratio Lower Upper

75 100

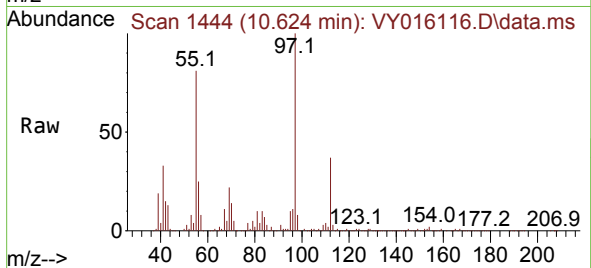
77 165.7 25.0 37.4#



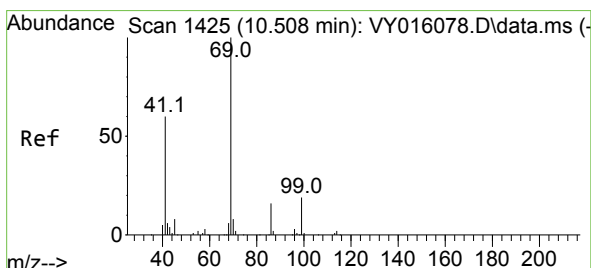
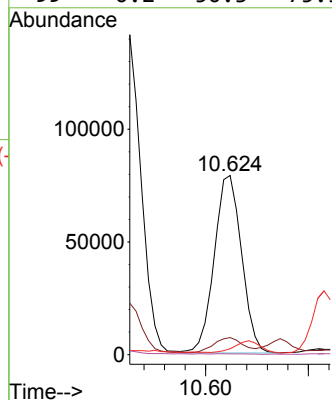
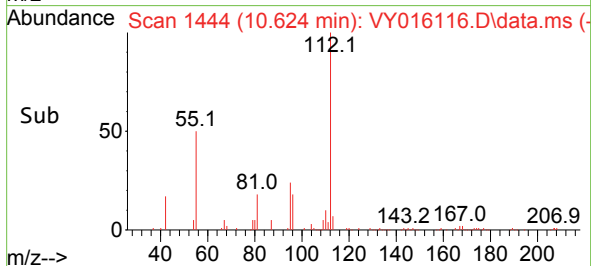


#55
 1,1,2-Trichloroethane
 Concen: 95.908 ug/l
 RT: 10.624 min Scan# 1444
 Delta R.T. -0.018 min
 Lab File: VY016116.D
 Acq: 27 Oct 2023 20:04

Instrument :
 MSVOA_Y
 ClientSampleId :

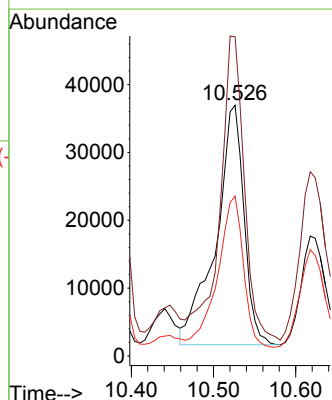
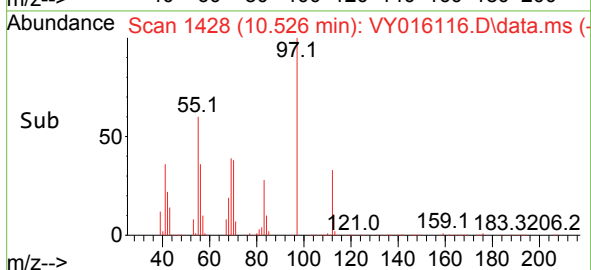
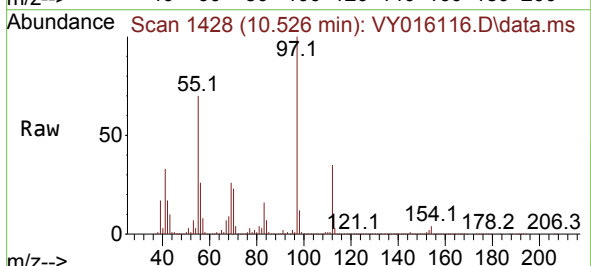


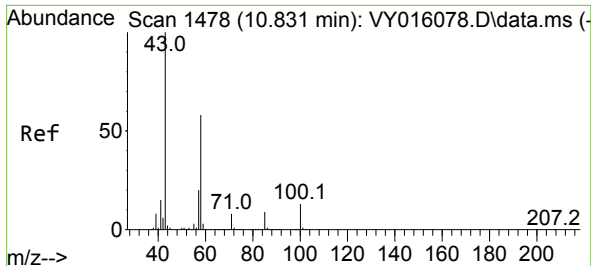
Tgt Ion:	97	Resp:	145356
Ion	Ratio	Lower	Upper
97	100		
83	8.2	72.0	108.0#
85	2.3	45.4	68.0#
99	0.2	50.3	75.5#



#56
 Ethyl methacrylate
 Concen: 43.152 ug/l
 RT: 10.526 min Scan# 1428
 Delta R.T. 0.018 min
 Lab File: VY016116.D
 Acq: 27 Oct 2023 20:04

Tgt Ion:	69	Resp:	84050
Ion	Ratio	Lower	Upper
69	100		
41	108.6	57.6	86.4#
39	0.0	34.1	51.1#

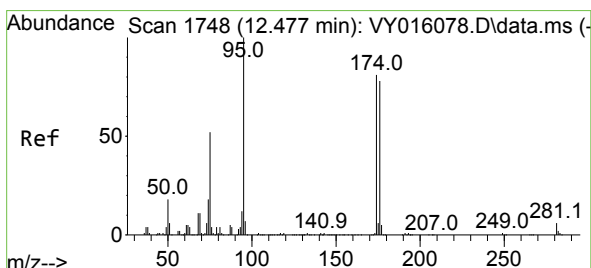
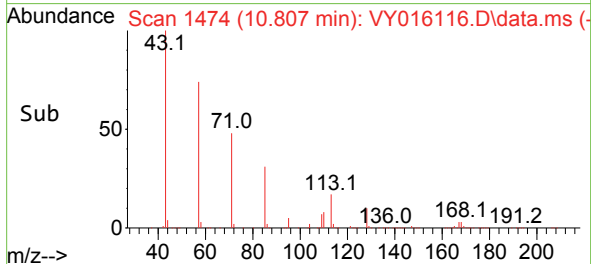
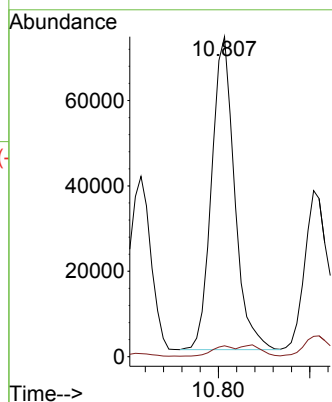
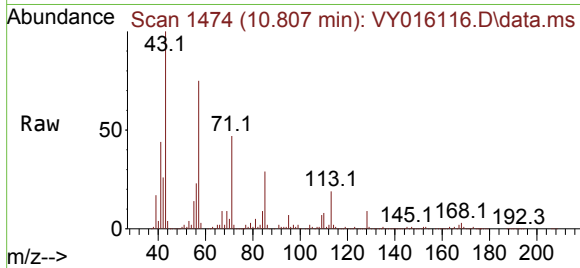




#59
2-Hexanone
Concen: 134.918 ug/l
RT: 10.807 min Scan# 1478
Delta R.T. -0.024 min
Lab File: VY016116.D
Acq: 27 Oct 2023 20:04

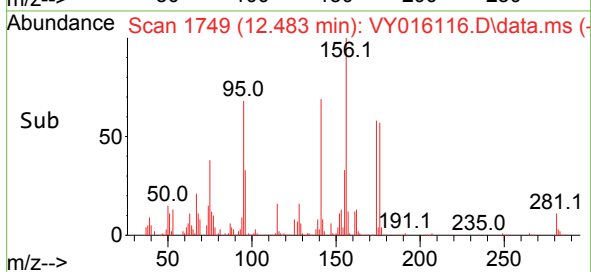
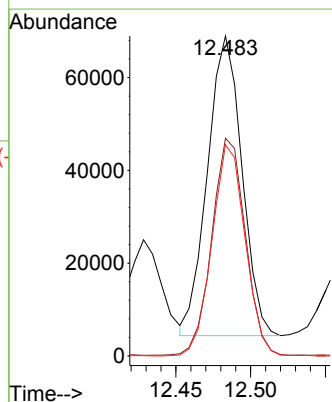
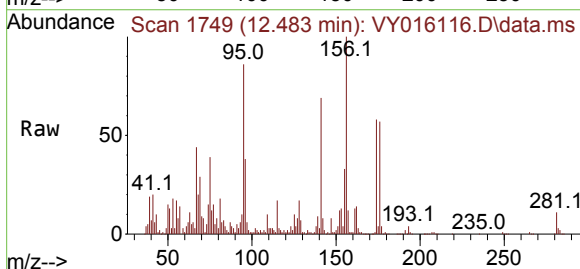
Instrument :
MSVOA_Y
ClientSampleId :

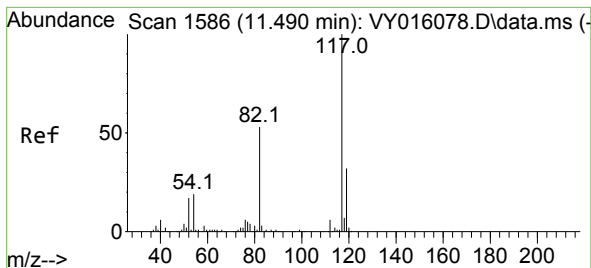
Tgt Ion: 43 Resp: 127596
Ion Ratio Lower Upper
43 100
58 3.3 25.1 75.3#



#62
4-Bromofluorobenzene
Concen: 44.629 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY016116.D
Acq: 27 Oct 2023 20:04

Tgt Ion: 95 Resp: 103283
Ion Ratio Lower Upper
95 100
174 70.7 0.0 178.2
176 68.0 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016116.D

Acq: 27 Oct 2023 20:04

Instrument :

MSVOA_Y

ClientSampleId :

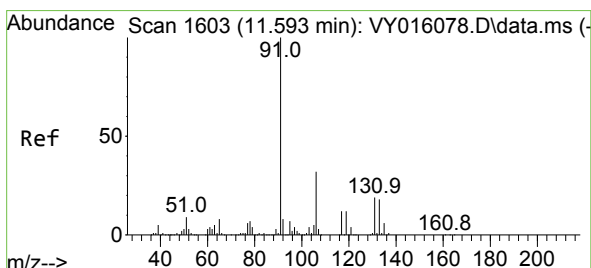
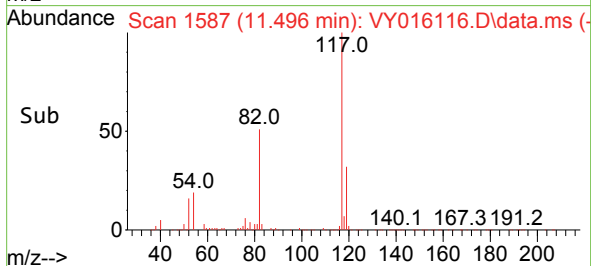
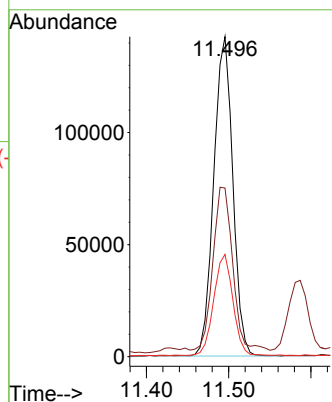
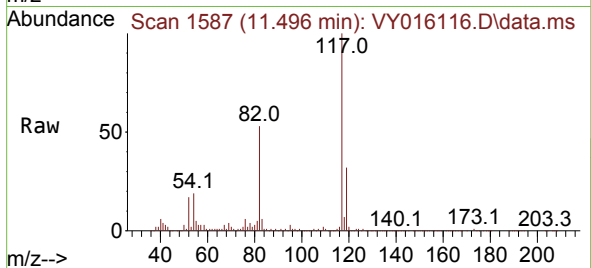
Tgt Ion:117 Resp: 229030

Ion Ratio Lower Upper

117 100

82 50.6 43.4 65.0

119 31.5 26.3 39.5



#67

Ethyl Benzene

Concen: 628.395 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. -0.000 min

Lab File: VY016116.D

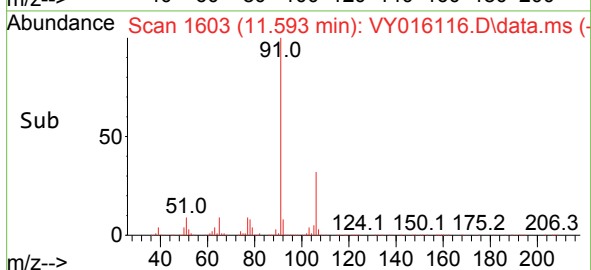
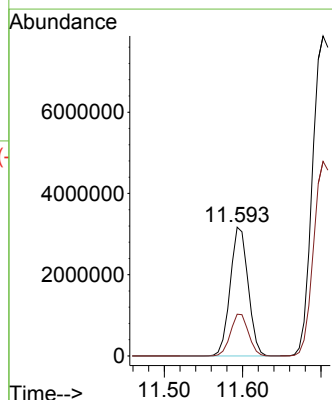
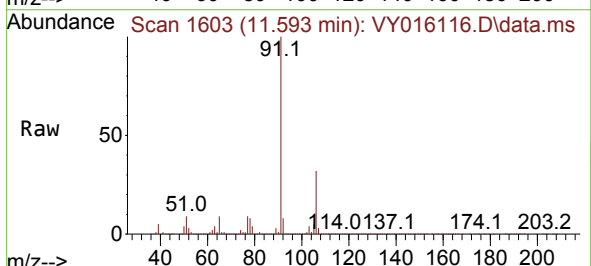
Acq: 27 Oct 2023 20:04

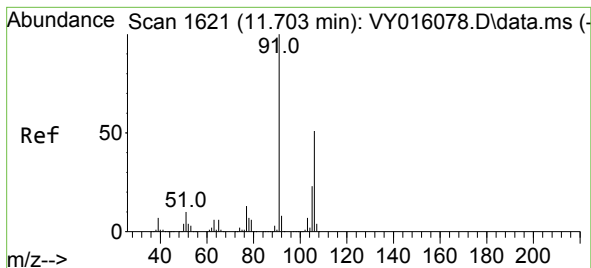
Tgt Ion: 91 Resp: 5023607

Ion Ratio Lower Upper

91 100

106 32.4 24.6 36.8

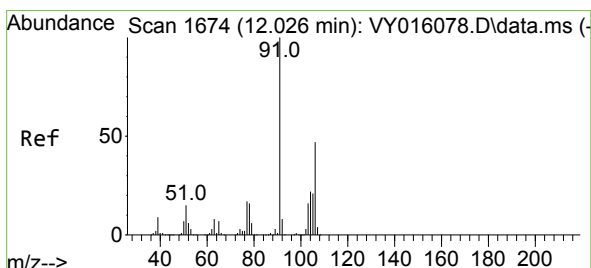
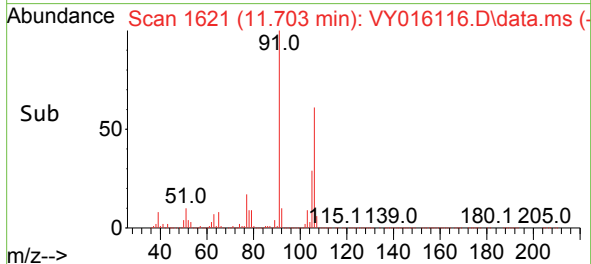
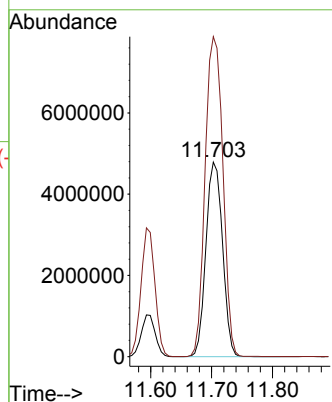
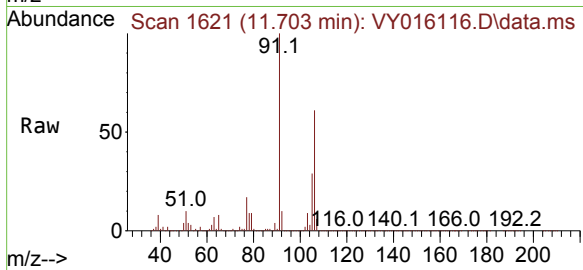




#68
m/p-Xylenes
Concen: 2927.356 ug/l
RT: 11.703 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY016116.D
Acq: 27 Oct 2023 20:04

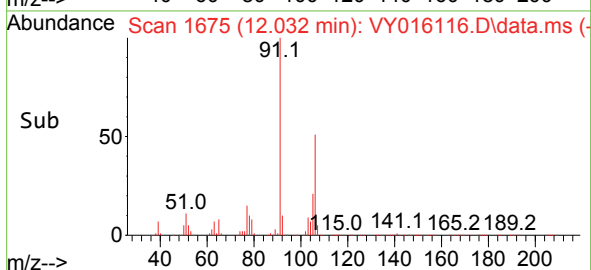
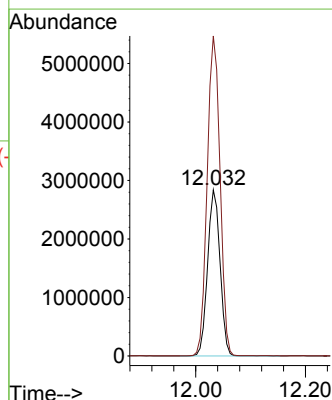
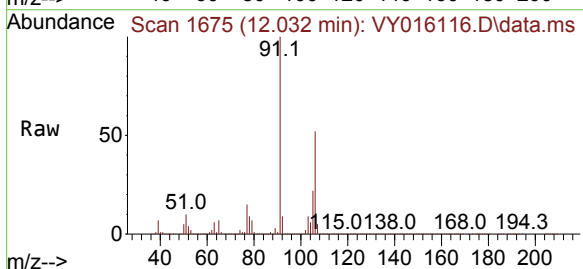
Instrument :
MSVOA_Y
ClientSampleId :

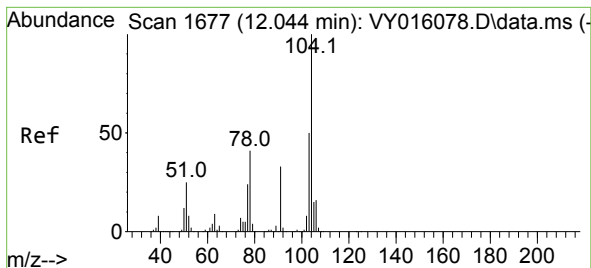
Tgt Ion:106 Resp: 9056467
Ion Ratio Lower Upper
106 100
91 176.0 166.1 249.1



#69
o-Xylene
Concen: 1499.858 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VY016116.D
Acq: 27 Oct 2023 20:04

Tgt Ion:106 Resp: 4442270
Ion Ratio Lower Upper
106 100
91 199.3 108.1 324.3





#70

Styrene

Concen: 224.939 ug/l

RT: 12.044 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY016116.D

Acq: 27 Oct 2023 20:04

Instrument :

MSVOA_Y

ClientSampleId :

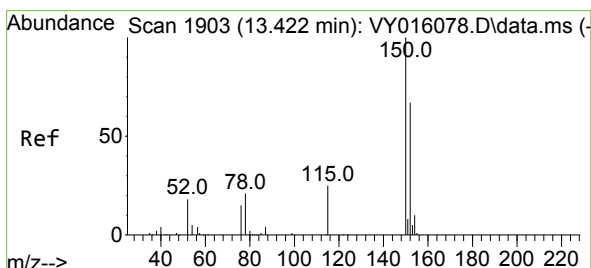
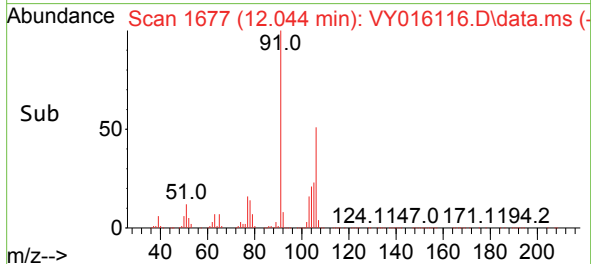
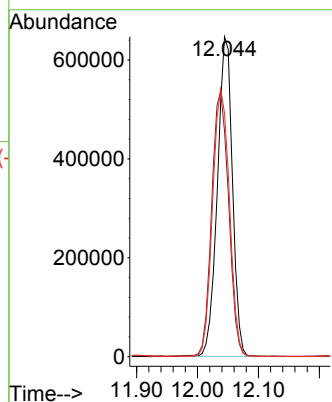
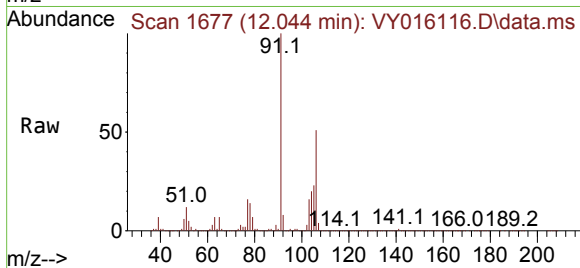
Tgt Ion:104 Resp: 1110540

Ion Ratio Lower Upper

104 100

78 93.0 41.5 62.3#

103 93.5 44.6 67.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY016116.D

Acq: 27 Oct 2023 20:04

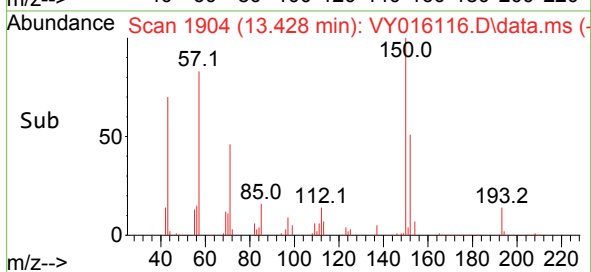
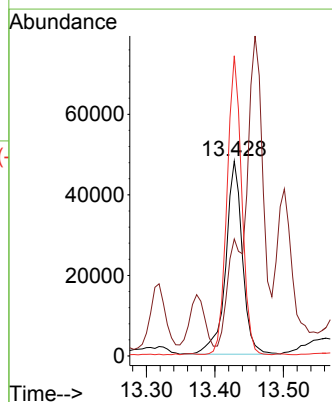
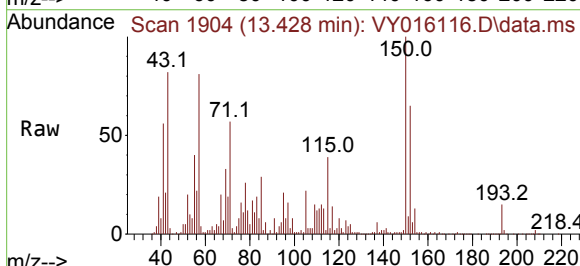
Tgt Ion:152 Resp: 80548

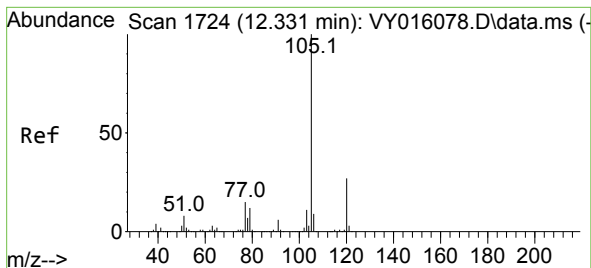
Ion Ratio Lower Upper

152 100

115 0.0 28.8 86.5#

150 136.9 0.0 348.8





#73

Isopropylbenzene

Concen: 80.083 ug/l

RT: 12.331 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY016116.D

Acq: 27 Oct 2023 20:04

Instrument :

MSVOA_Y

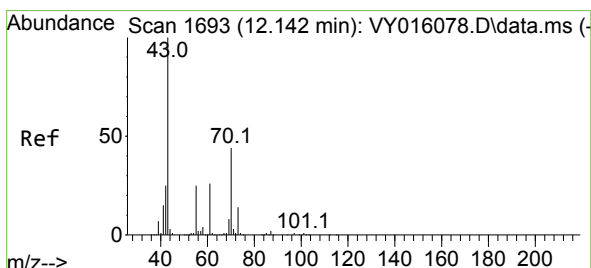
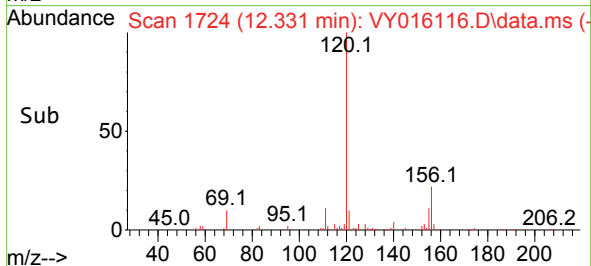
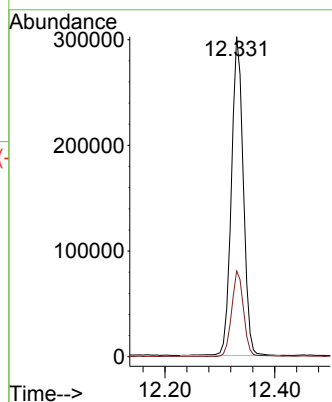
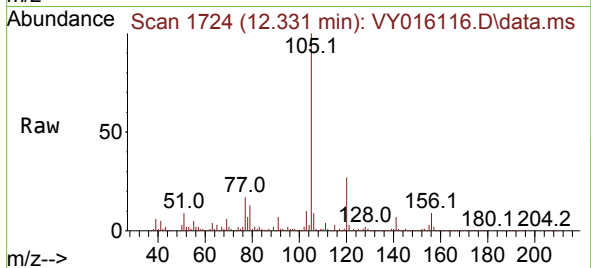
ClientSampleId :

Tgt Ion:105 Resp: 453966

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.9



#74

N-ethyl acetate

Concen: 48.805 ug/l

RT: 12.123 min Scan# 1690

Delta R.T. -0.018 min

Lab File: VY016116.D

Acq: 27 Oct 2023 20:04

Tgt Ion: 43 Resp: 67459

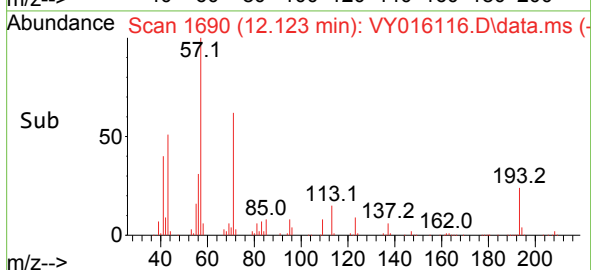
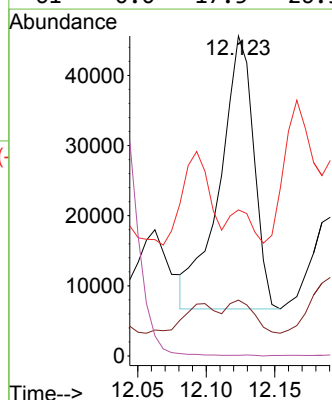
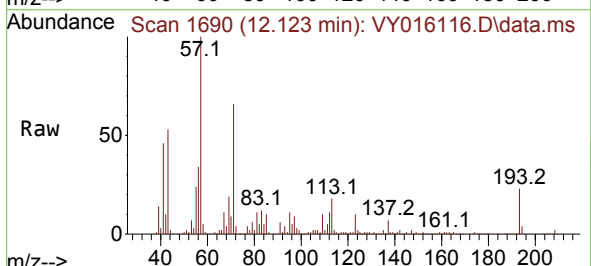
Ion Ratio Lower Upper

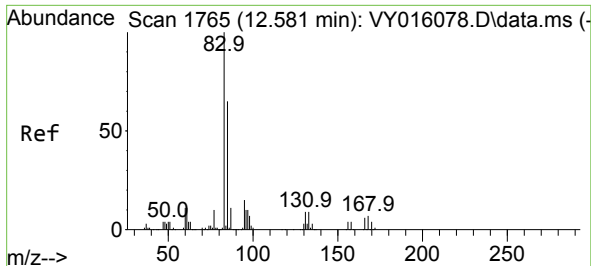
43 100

70 9.0 29.7 44.5#

55 0.0 18.3 27.5#

61 0.0 17.5 26.3#

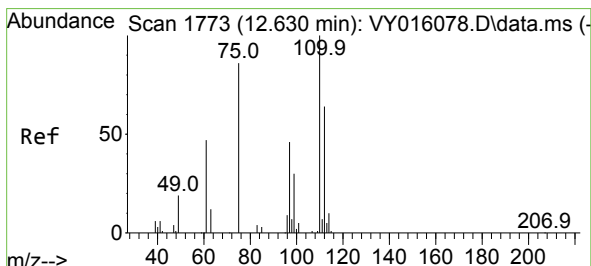
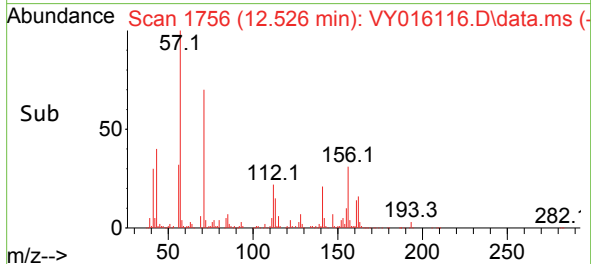
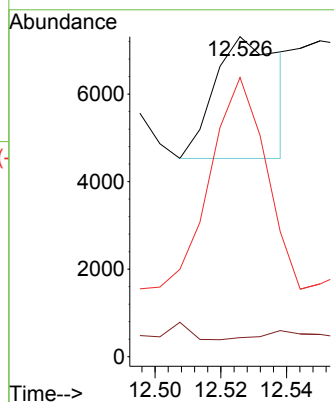
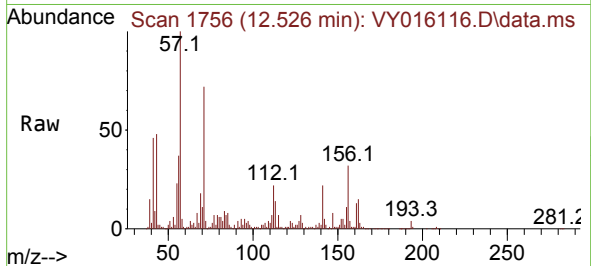




#75
1,1,2,2-Tetrachloroethane
Concen: 3.268 ug/l
RT: 12.526 min Scan# 1780
Delta R.T. -0.055 min
Lab File: VY016116.D
Acq: 27 Oct 2023 20:04

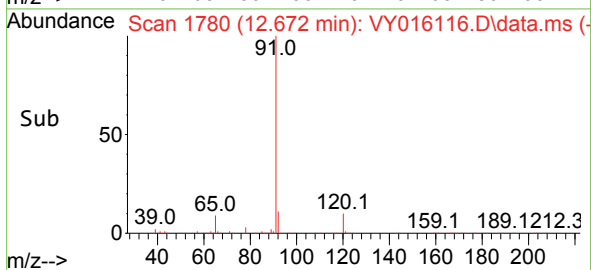
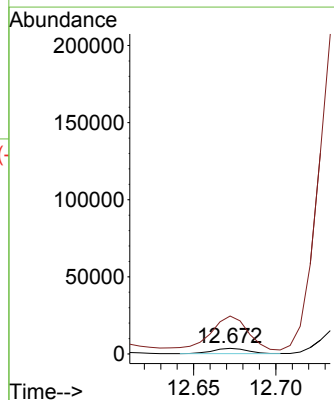
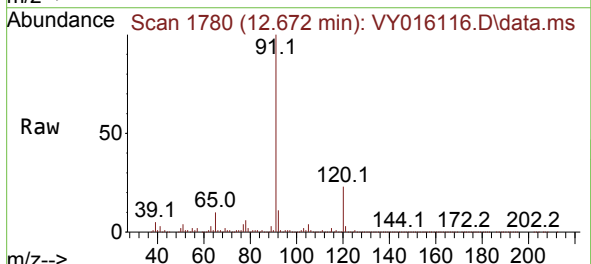
Instrument :
MSVOA_Y
ClientSampleId :

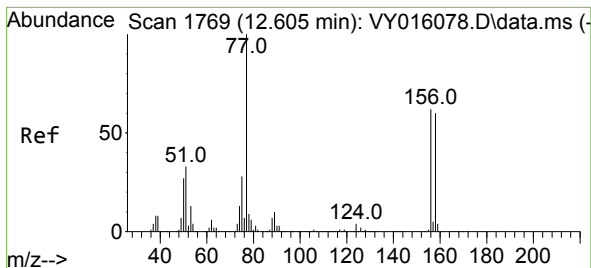
Tgt Ion: 83 Resp: 3787
Ion Ratio Lower Upper
83 100
131 6.4 5.4 16.2
85 149.2 31.8 95.4#



#76
1,2,3-Trichloropropane
Concen: 6.002 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.043 min
Lab File: VY016116.D
Acq: 27 Oct 2023 20:04

Tgt Ion: 75 Resp: 4936
Ion Ratio Lower Upper
75 100
77 691.2 0.0 0.0#





#77

Bromobenzene

Concen: 784.351 ug/l

RT: 12.416 min Scan# 1

Delta R.T. -0.189 min

Lab File: VY016116.D

Acq: 27 Oct 2023 20:04

Instrument :

MSVOA_Y

ClientSampleId :

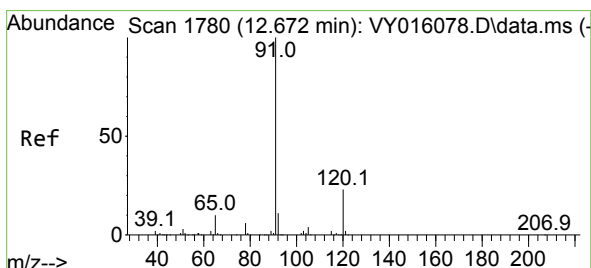
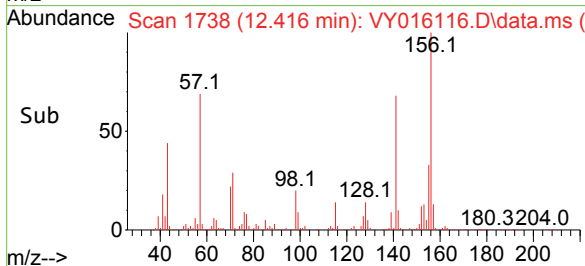
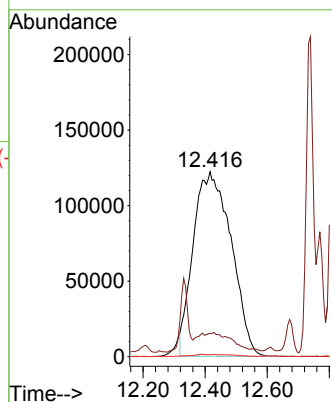
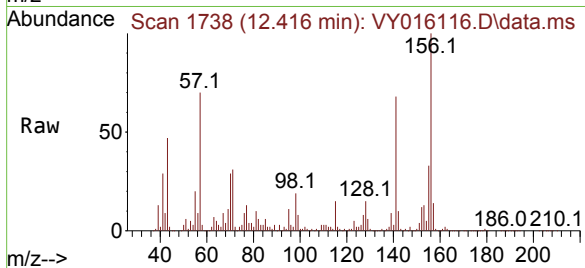
Tgt Ion:156 Resp: 1037677

Ion Ratio Lower Upper

156 100

77 0.0 92.8 278.6#

158 0.0 48.4 145.3#



#78

n-propylbenzene

Concen: 123.781 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. -0.000 min

Lab File: VY016116.D

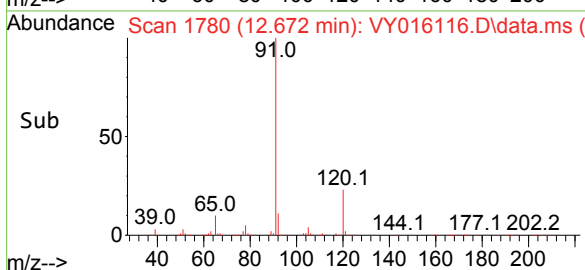
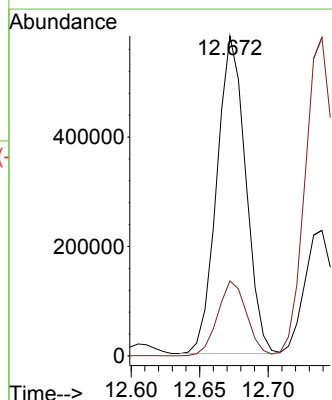
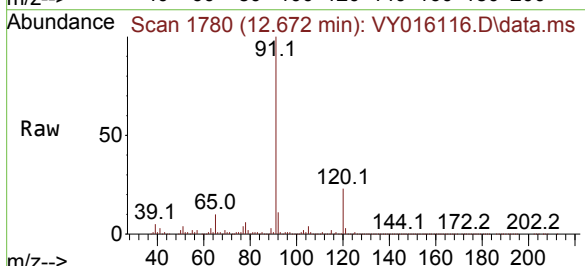
Acq: 27 Oct 2023 20:04

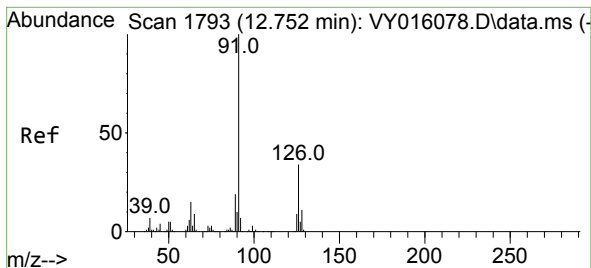
Tgt Ion: 91 Resp: 849596

Ion Ratio Lower Upper

91 100

120 23.6 11.5 34.4

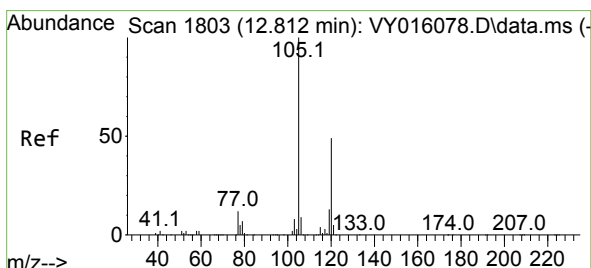
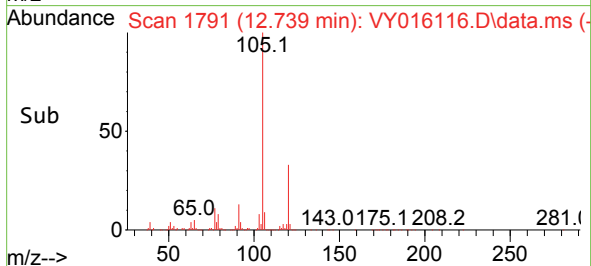
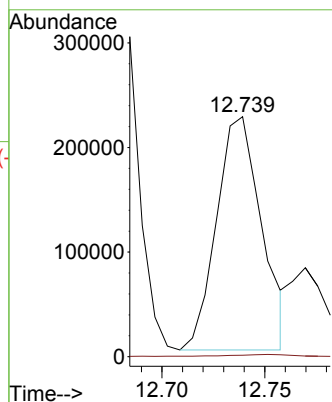
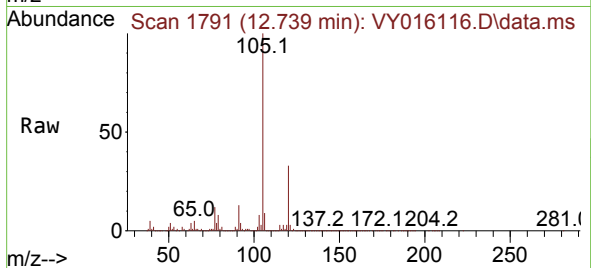




#79
2-Chlorotoluene
Concen: 88.524 ug/l
RT: 12.739 min Scan# 1791
Delta R.T. -0.012 min
Lab File: VY016116.D
Acq: 27 Oct 2023 20:04

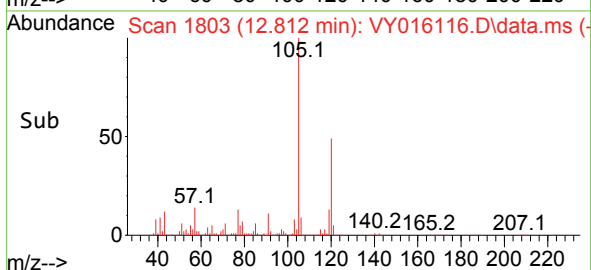
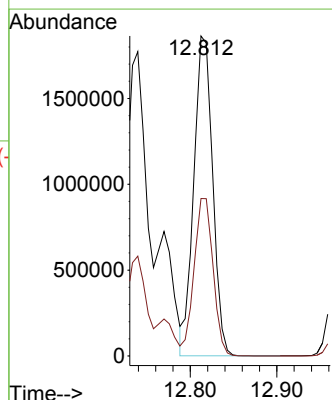
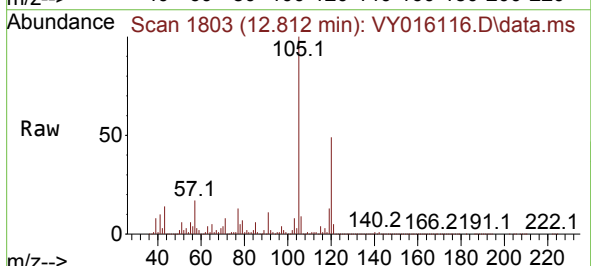
Instrument :
MSVOA_Y
ClientSampleId :

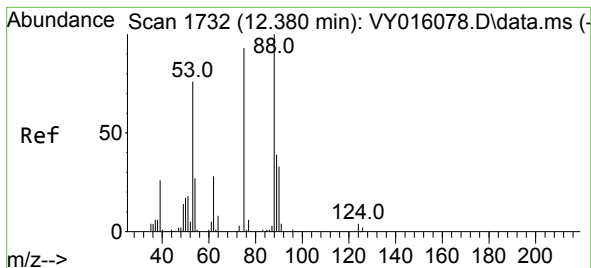
Tgt Ion: 91 Resp: 340291
Ion Ratio Lower Upper
91 100
126 1.1 17.3 51.7#



#80
1,3,5-Trimethylbenzene
Concen: 598.343 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY016116.D
Acq: 27 Oct 2023 20:04

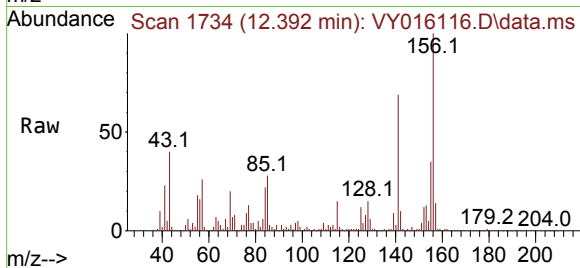
Tgt Ion: 105 Resp: 2816059
Ion Ratio Lower Upper
105 100
120 49.8 23.9 71.7



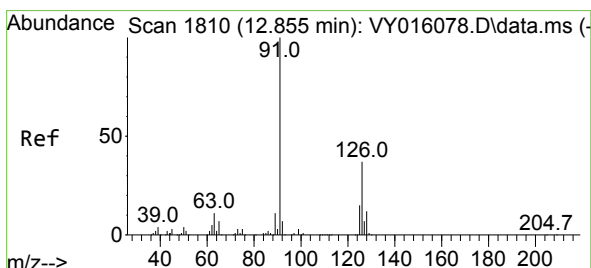
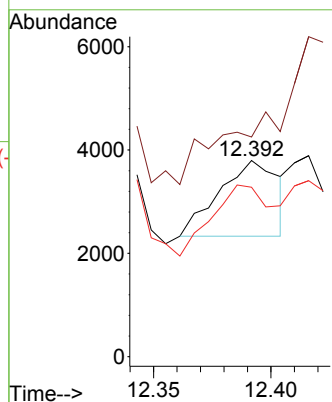
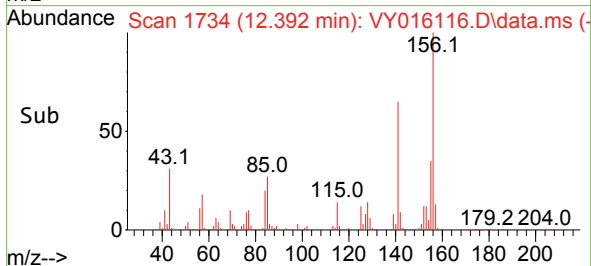


#81
trans-1,4-Dichloro-2-butene
Concen: 6.757 ug/l
RT: 12.392 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY016116.D
Acq: 27 Oct 2023 20:04

Instrument :
MSVOA_Y
ClientSampleId :

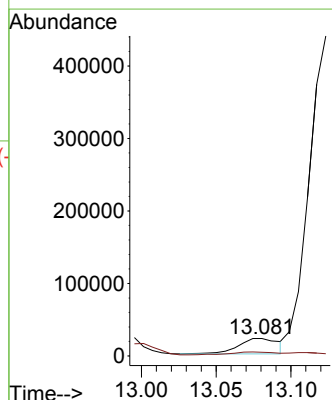
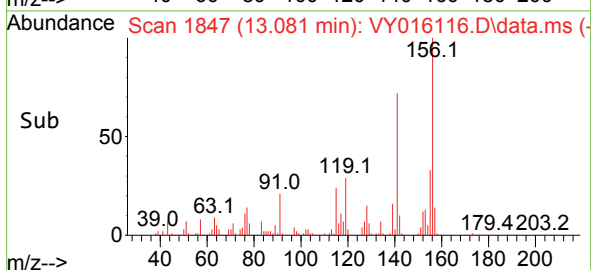
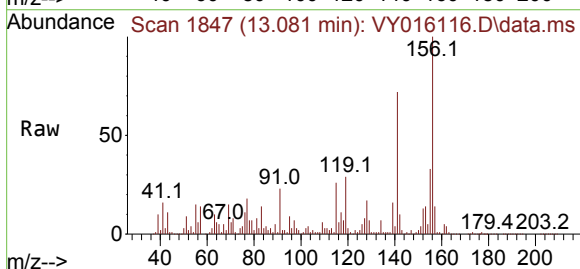


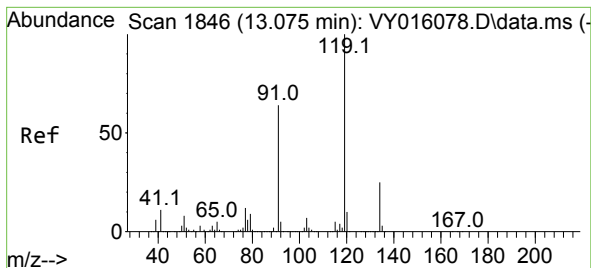
Tgt Ion: 75 Resp: 2557
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 82.4 37.4 56.0#



#82
4-Chlorotoluene
Concen: 9.908 ug/l
RT: 13.081 min Scan# 1847
Delta R.T. 0.225 min
Lab File: VY016116.D
Acq: 27 Oct 2023 20:04

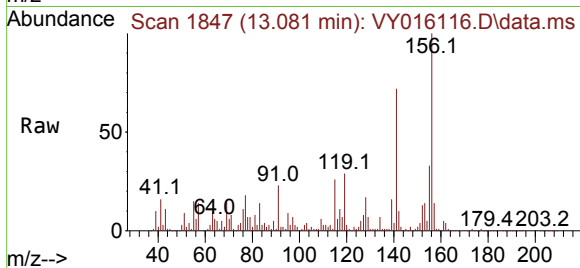
Tgt Ion: 91 Resp: 39497
Ion Ratio Lower Upper
91 100
126 21.2 17.2 51.6



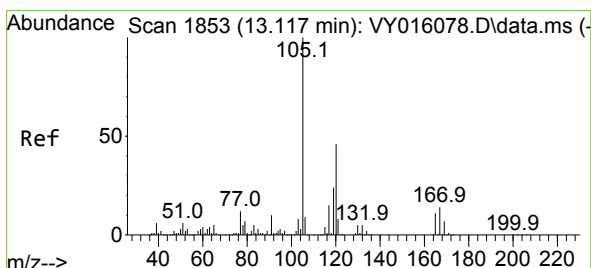
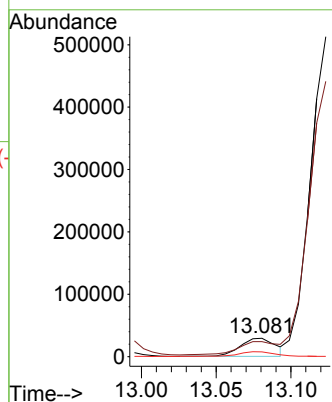
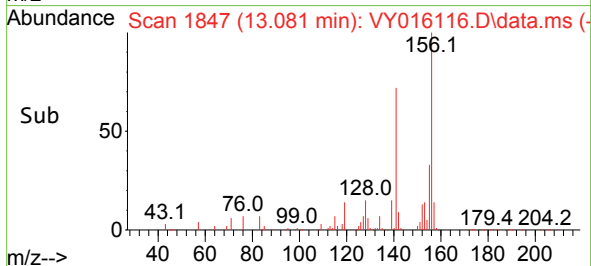


#83
tert-Butylbenzene
Concen: 11.290 ug/l
RT: 13.081 min Scan# 1846
Delta R.T. 0.006 min
Lab File: VY016116.D
Acq: 27 Oct 2023 20:04

Instrument :
MSVOA_Y
ClientSampleId :

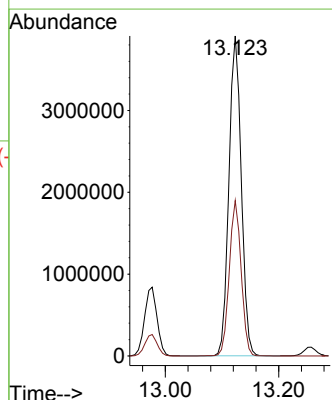
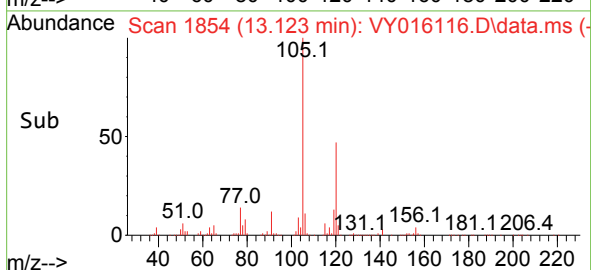
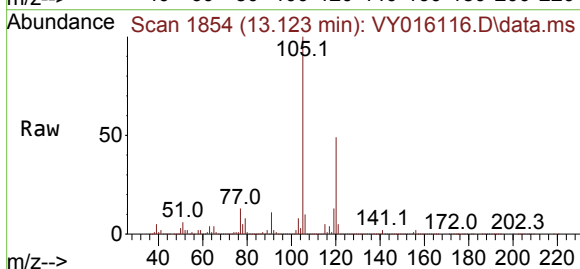


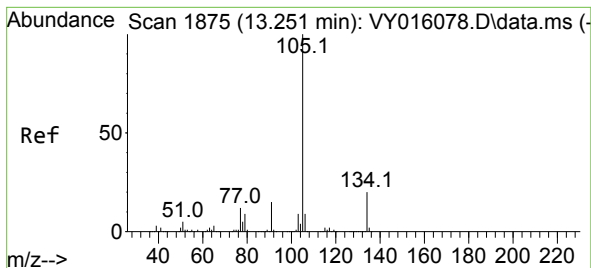
Tgt Ion:119 Resp: 47233
Ion Ratio Lower Upper
119 100
91 83.6 32.9 98.6
134 29.7 13.0 38.9



#84
1,2,4-Trimethylbenzene
Concen: 1269.195 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY016116.D
Acq: 27 Oct 2023 20:04

Tgt Ion:105 Resp: 5899481
Ion Ratio Lower Upper
105 100
120 46.7 22.2 66.6





#85

sec-Butylbenzene

Concen: 946.802 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.128 min MSVOA_Y

Lab File: VY016116.D

Acq: 27 Oct 2023 20:04

Instrument :

MSVOA_Y

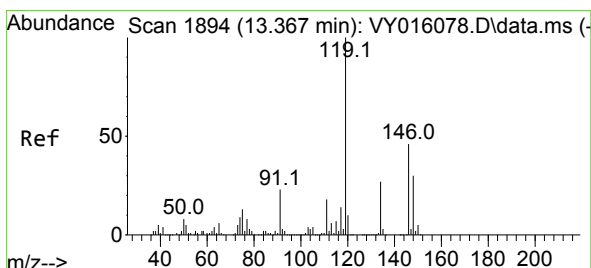
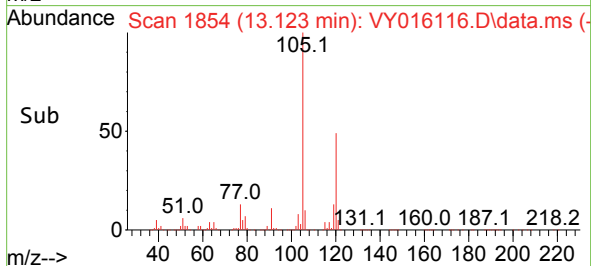
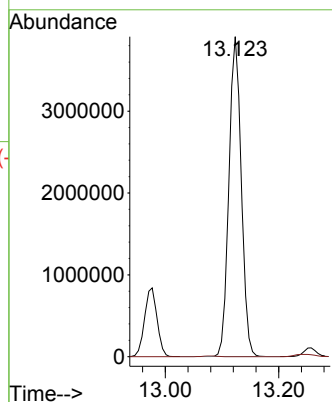
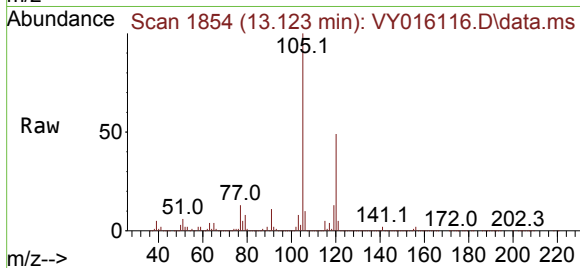
ClientSampleId :

Tgt Ion:105 Resp: 5899401

Ion Ratio Lower Upper

105 100

134 0.0 10.2 30.6#



#86

p-Isopropyltoluene

Concen: 41.988 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.006 min

Lab File: VY016116.D

Acq: 27 Oct 2023 20:04

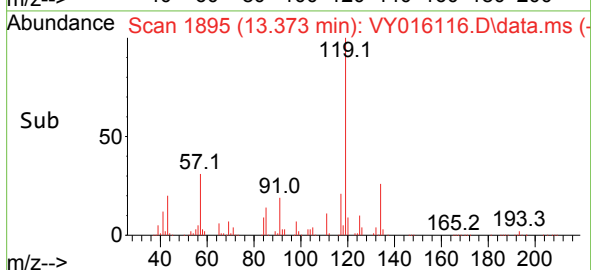
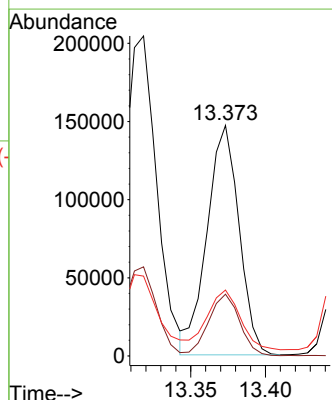
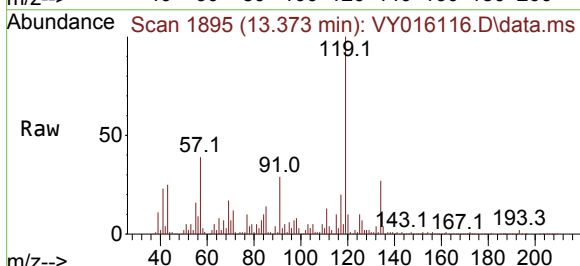
Tgt Ion:119 Resp: 218306

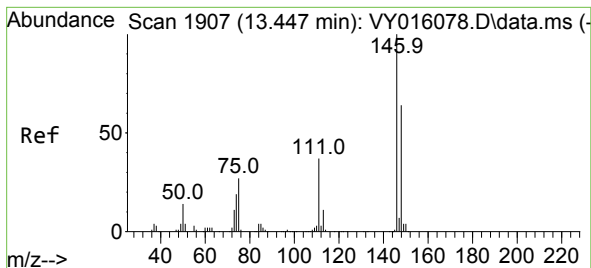
Ion Ratio Lower Upper

119 100

134 26.0 13.3 39.8

91 26.2 12.4 37.4





#88

1,4-Dichlorobenzene

Concen: 2.524 ug/l

RT: 13.446 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY016116.D

Acq: 27 Oct 2023 20:04

Instrument :

MSVOA_Y

ClientSampleId :

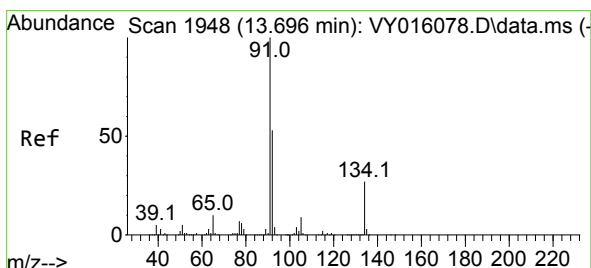
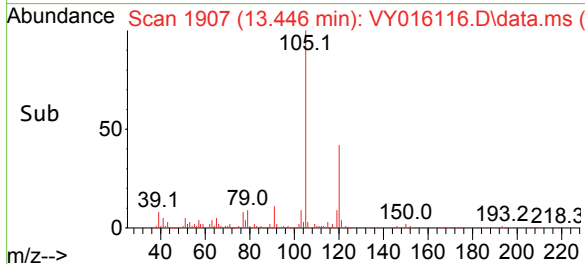
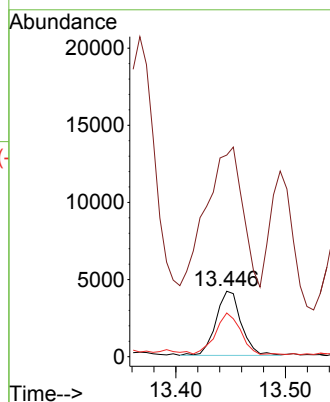
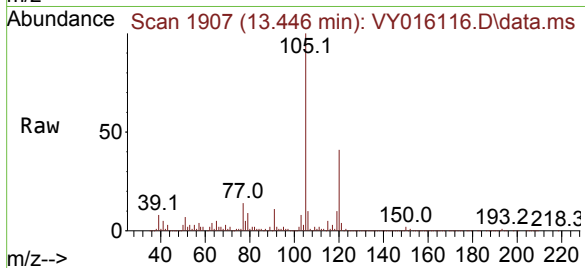
Tgt Ion:146 Resp: 6663

Ion Ratio Lower Upper

146 100

111 308.9 18.9 56.7#

148 61.5 32.1 96.5



#89

n-Butylbenzene

Concen: 24.486 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VY016116.D

Acq: 27 Oct 2023 20:04

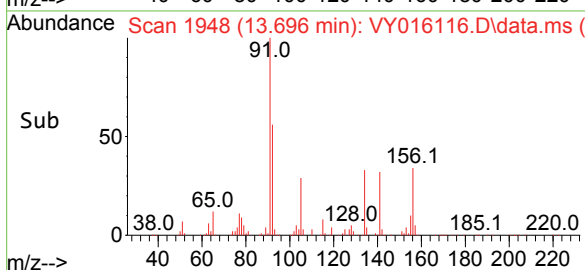
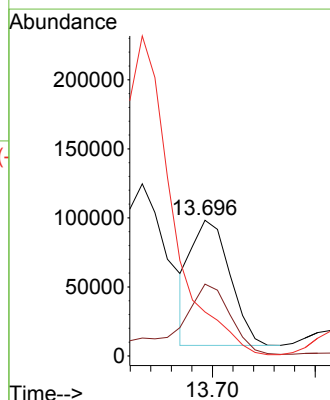
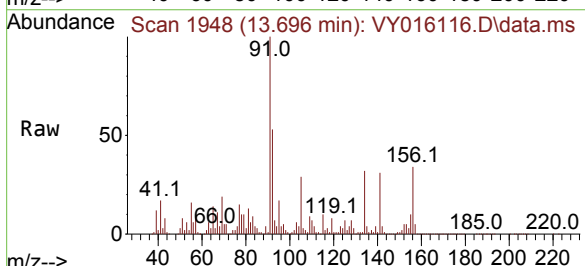
Tgt Ion: 91 Resp: 118758

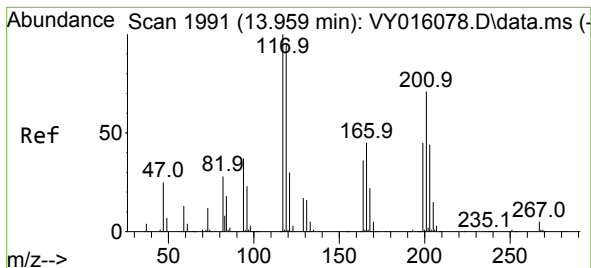
Ion Ratio Lower Upper

91 100

92 76.7 25.4 76.0#

134 0.0 12.6 37.6#





#90

Hexachloroethane

Concen: 61.276 ug/l

RT: 13.971 min Scan# 1993

Delta R.T. 0.012 min

Lab File: VY016116.D

Acq: 27 Oct 2023 20:04

Instrument :

MSVOA_Y

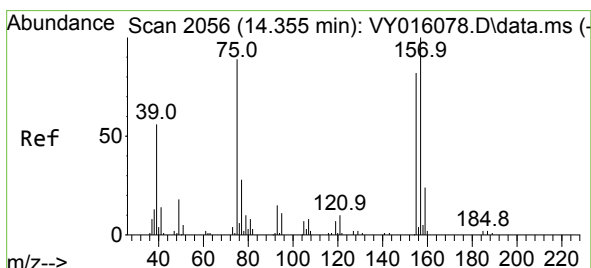
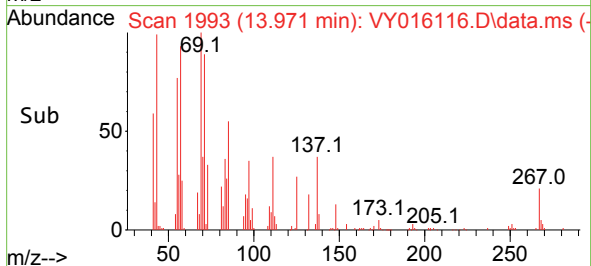
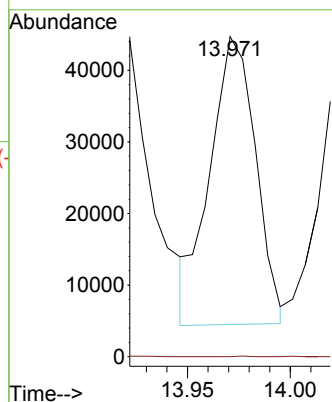
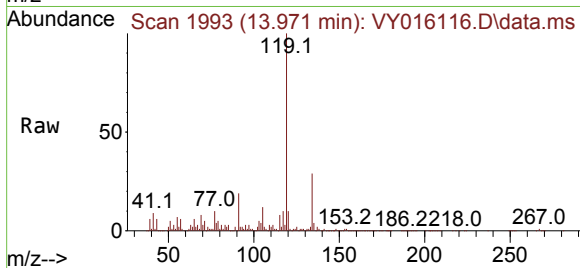
ClientSampleId :

Tgt Ion:117 Resp: 62026

Ion Ratio Lower Upper

117 100

201 0.0 41.6 124.8#



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.463 ug/l

RT: 14.385 min Scan# 2061

Delta R.T. 0.030 min

Lab File: VY016116.D

Acq: 27 Oct 2023 20:04

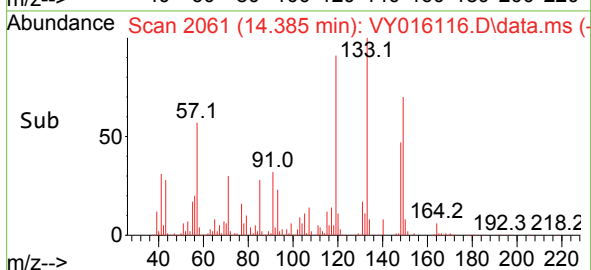
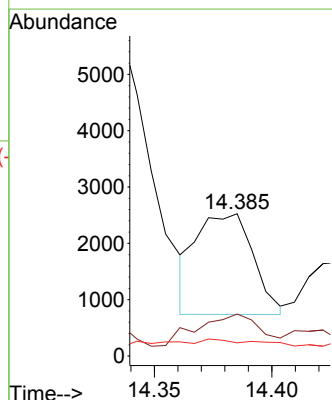
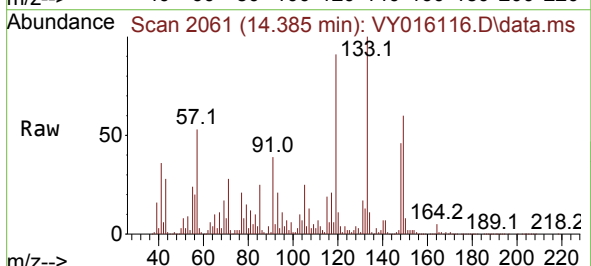
Tgt Ion: 75 Resp: 2995

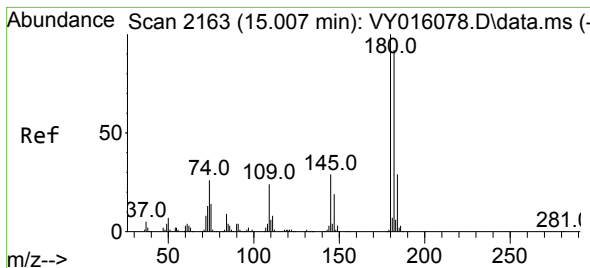
Ion Ratio Lower Upper

75 100

155 35.1 41.5 124.6#

157 10.5 51.8 155.5#





#93

1,2,4-Trichlorobenzene

Concen: 1.136 ug/l

RT: 15.013 min Scan# 2163

Delta R.T. 0.006 min

Lab File: VY016116.D

Acq: 27 Oct 2023 20:04

Instrument :

MSVOA_Y

ClientSampleId :

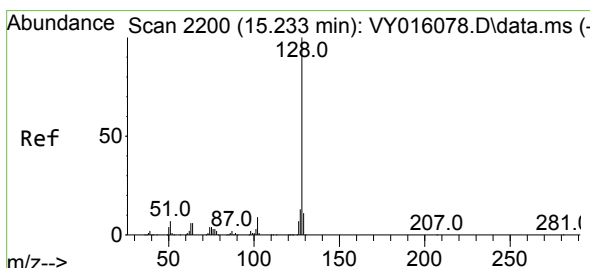
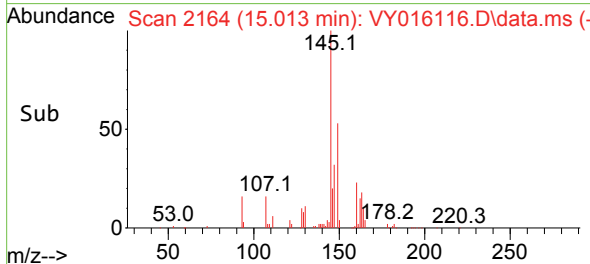
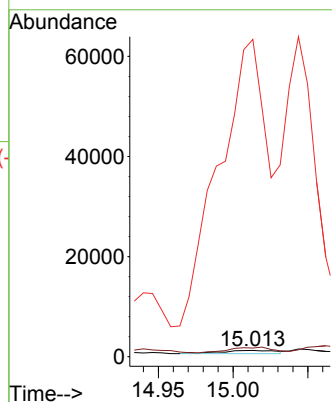
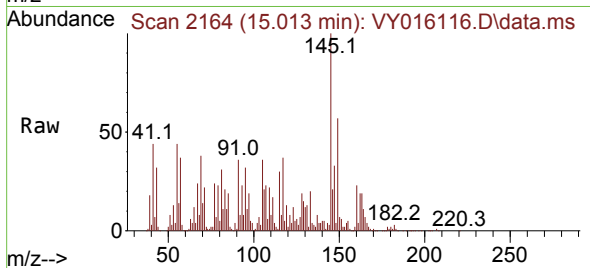
Tgt Ion:180 Resp: 1663

Ion Ratio Lower Upper

180 100

182 142.5 47.0 141.2#

145 8761.9 14.5 43.5#



#95

Naphthalene

Concen: 6558.114 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. -0.000 min

Lab File: VY016116.D

Acq: 27 Oct 2023 20:04

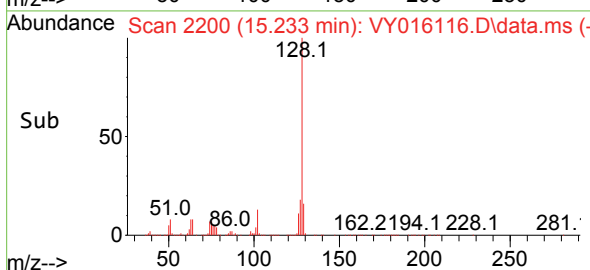
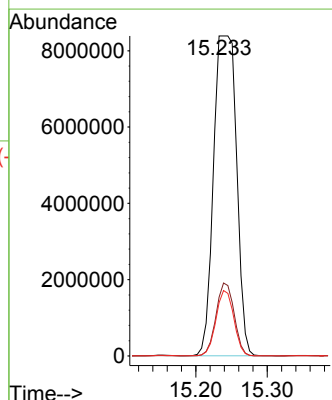
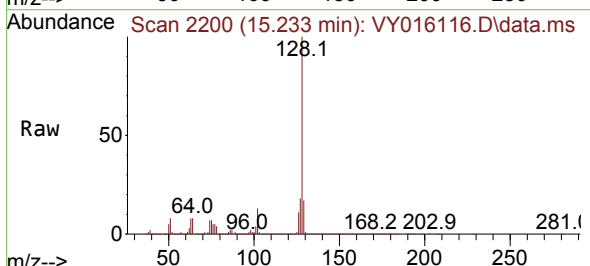
Tgt Ion:128 Resp:18715214

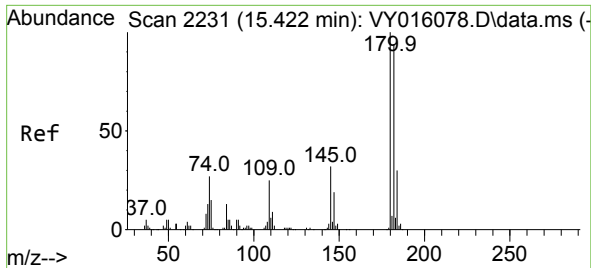
Ion Ratio Lower Upper

128 100

127 18.0 10.8 16.2#

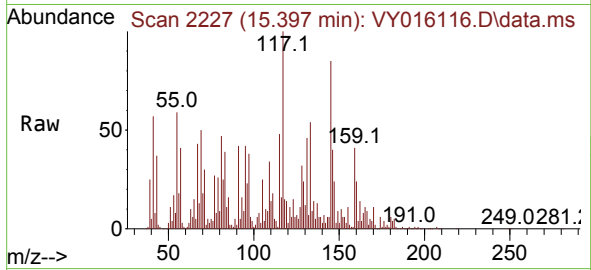
129 15.9 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.030 ug/l
 RT: 15.397 min Scan# 21
 Delta R.T. -0.024 min
 Lab File: VY016116.D
 Acq: 27 Oct 2023 20:04

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:180 Resp: 2561
 Ion Ratio Lower Upper
 180 100
 182 247.6 47.3 141.8#
 145 5171.3 15.4 46.2#

