

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090123\
 Data File : VY015413.D
 Acq On : 01 Sep 2023 14:20
 Operator : SY/MD
 Sample : 04189-01
 Misc : 3.15g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-02(22-23)

Quant Time: Sep 01 15:08:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

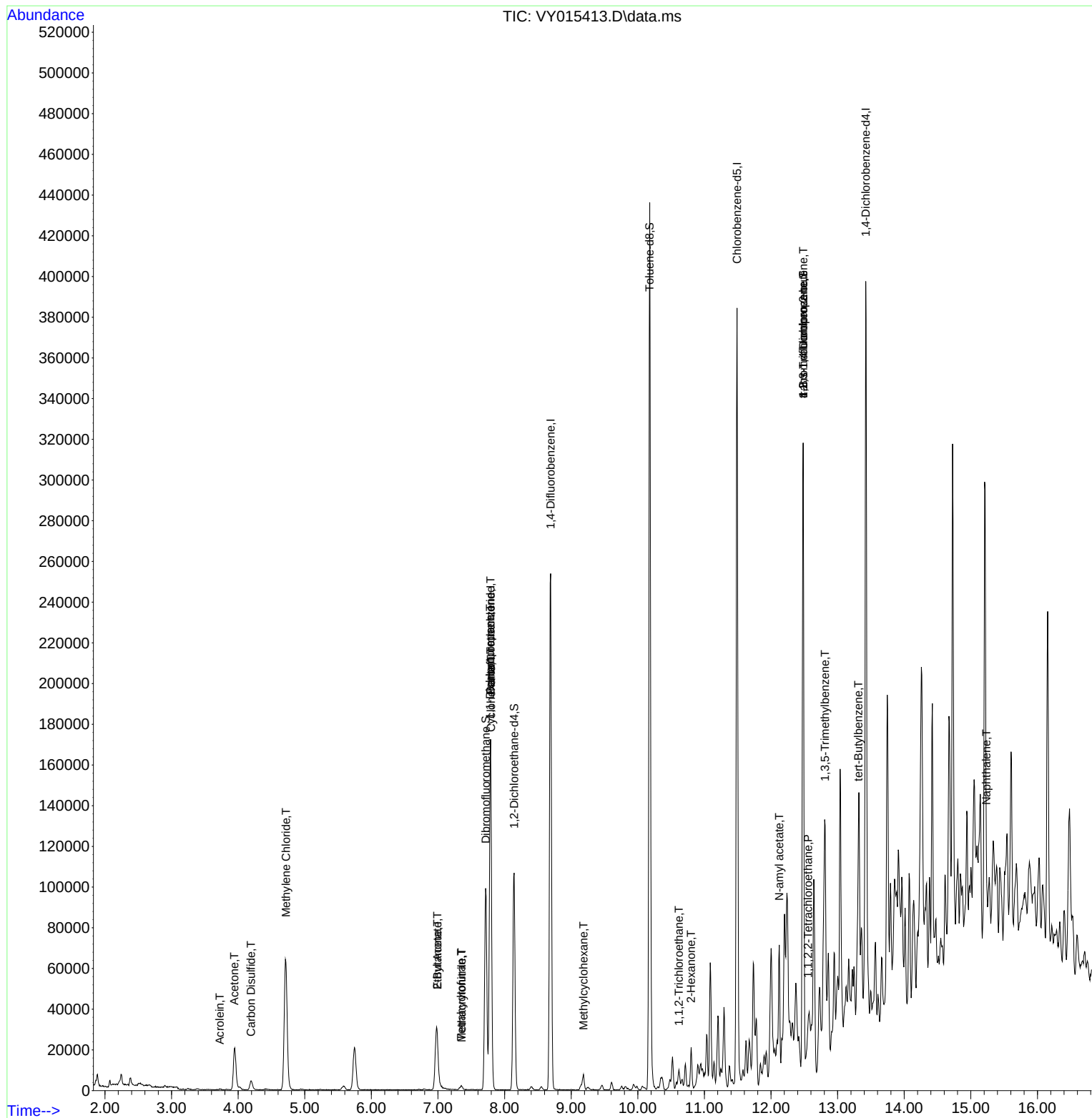
Internal Standards						
1) Pentafluorobenzene	7.789	168	133277	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	221178	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	202677	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	91578	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	84053	58.831	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.660%			
35) Dibromofluoromethane	7.716	113	69099	54.240	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.480%			
50) Toluene-d8	10.179	98	263757	57.172	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 114.340%			
62) 4-Bromofluorobenzene	12.483	95	87636	51.169	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.340%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.954	59	633	Below Cal	#	89
13) Acrolein	3.723	56	334	12.448	ug/l	96
16) Acetone	3.942	43	36949	61.960	ug/l	98
17) Carbon Disulfide	4.192	76	7487	1.890	ug/l #	93
20) Methylene Chloride	4.716	84	49977	22.201	ug/l	89
25) 2-Butanone	6.990	43	16803	19.866	ug/l #	89
29) Tetrahydrofuran	7.350	42	1159	2.182	ug/l #	93
31) Cyclohexane	7.795	56	3151	1.242	ug/l #	16
36) 1,1-Dichloropropene	7.783	75	10617	4.746	ug/l #	50
37) Ethyl Acetate	6.990	43	16803	9.740	ug/l #	82
38) Carbon Tetrachloride	7.789	117	13180	5.705	ug/l #	16
39) Methylcyclohexane	9.185	83	2985	1.060	ug/l	94
41) Methacrylonitrile	7.356	41	879	1.087	ug/l #	42
55) 1,1,2-Trichloroethane	10.618	97	3335	2.368	ug/l #	21
59) 2-Hexanone	10.801	43	7062	5.428	ug/l #	31
74) N-amyl acetate	12.123	43	13090	5.664	ug/l #	66
75) 1,1,2,2-Tetrachloroethane	12.556	83	2312	1.408	ug/l #	69
76) 1,2,3-Trichloropropane	12.483	75	48180	39.673	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	8063	1.401	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.483	75	48180	87.515	ug/l #	11
83) tert-Butylbenzene	13.312	119	5321	1.056	ug/l	70
95) Naphthalene	15.233	128	11446	2.507	ug/l #	82

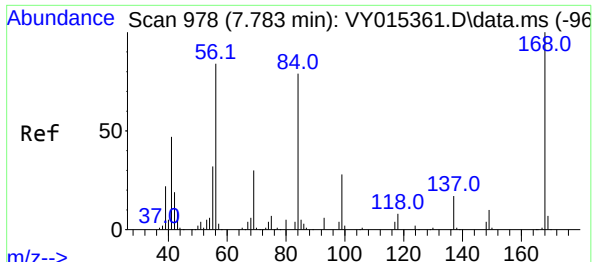
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-02(22-23)

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260
QLast Update : Thu Aug 31 20:01:47 2023
Response via : Initial Calibration

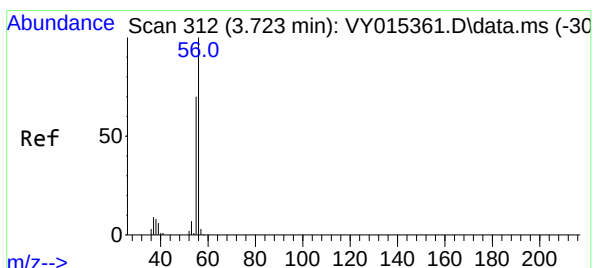
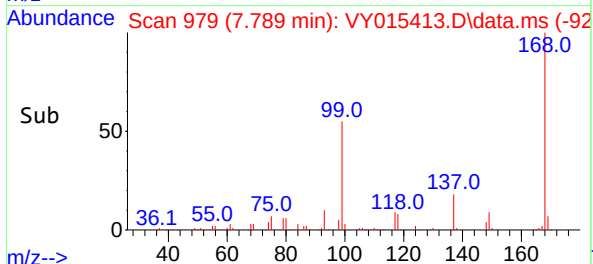
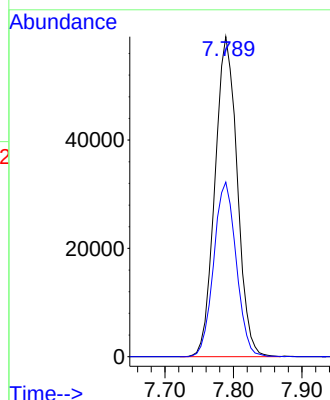
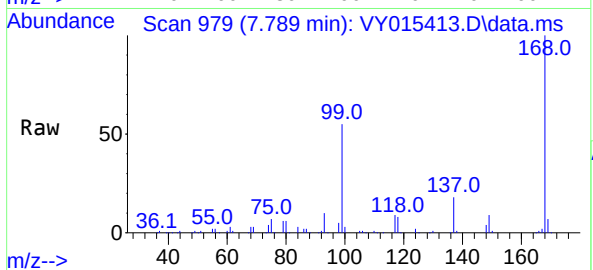




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015413.D
Acq: 01 Sep 2023 14:20

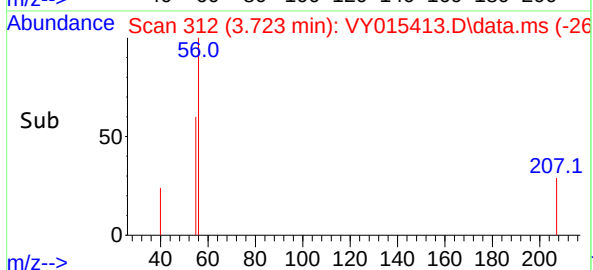
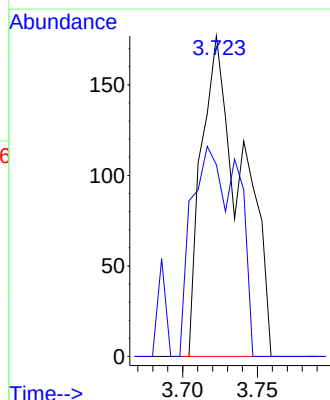
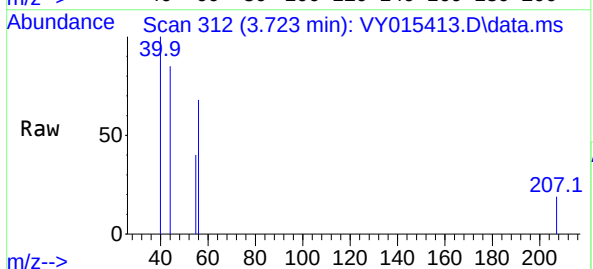
Instrument :
MSVOA_Y
ClientSampleId :
SB-02(22-23)

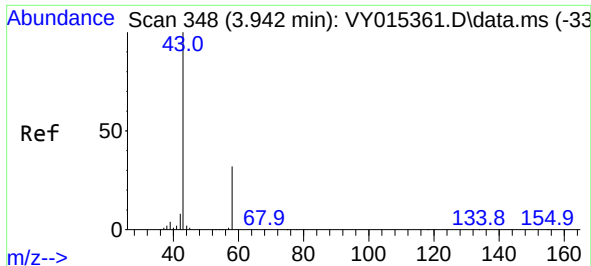
Tgt Ion:168 Resp: 133277
Ion Ratio Lower Upper
168 100
99 54.5 43.4 65.0



#13
Acrolein
Concen: 12.448 ug/l
RT: 3.723 min Scan# 312
Delta R.T. -0.000 min
Lab File: VY015413.D
Acq: 01 Sep 2023 14:20

Tgt Ion: 56 Resp: 334
Ion Ratio Lower Upper
56 100
55 74.6 57.0 85.4





#16

Acetone

Concen: 61.960 ug/l

RT: 3.942 min Scan# 34

Delta R.T. 0.000 min

Lab File: VY015413.D

Acq: 01 Sep 2023 14:20

Instrument :

MSVOA_Y

ClientSampleId :

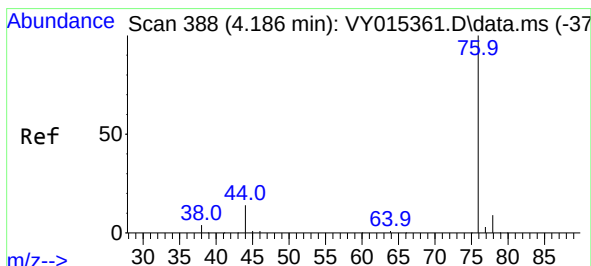
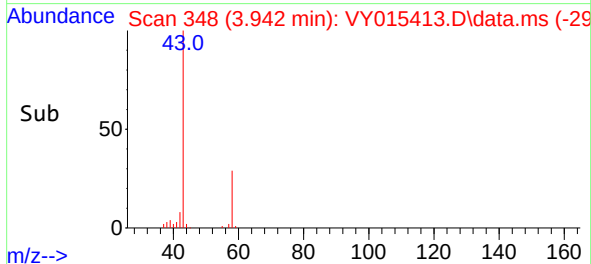
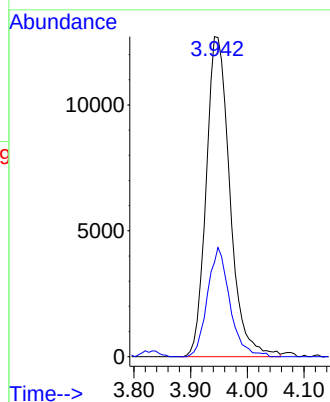
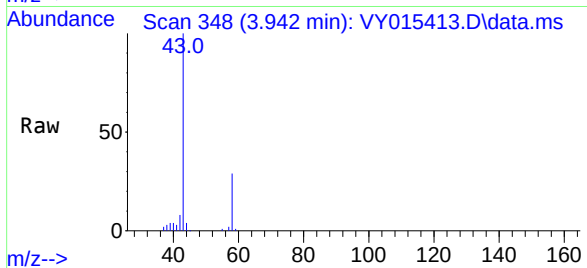
SB-02(22-23)

Tgt Ion: 43 Resp: 36949

Ion Ratio Lower Upper

43 100

58 29.4 22.7 34.1



#17

Carbon Disulfide

Concen: 1.890 ug/l

RT: 4.192 min Scan# 389

Delta R.T. 0.006 min

Lab File: VY015413.D

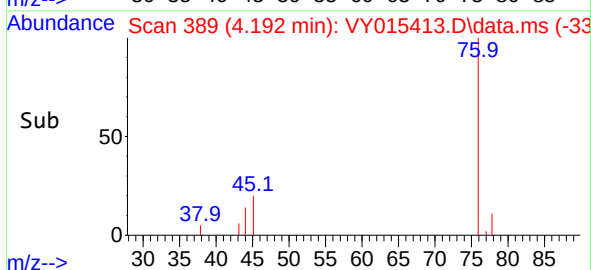
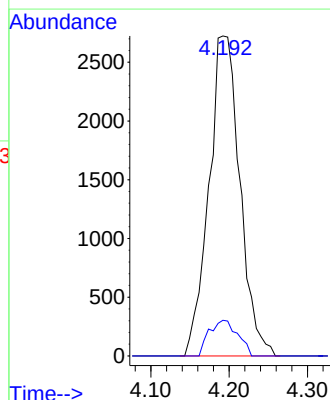
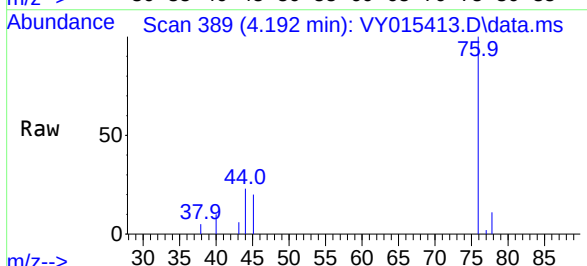
Acq: 01 Sep 2023 14:20

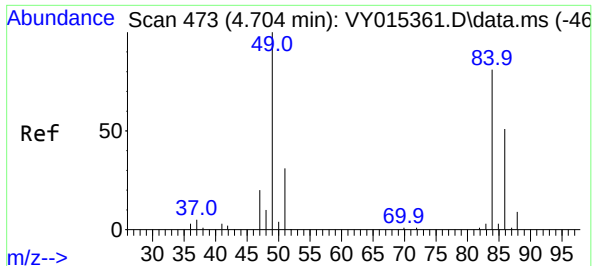
Tgt Ion: 76 Resp: 7487

Ion Ratio Lower Upper

76 100

78 11.2 7.0 10.4#

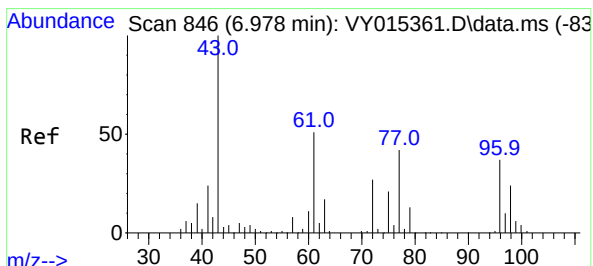
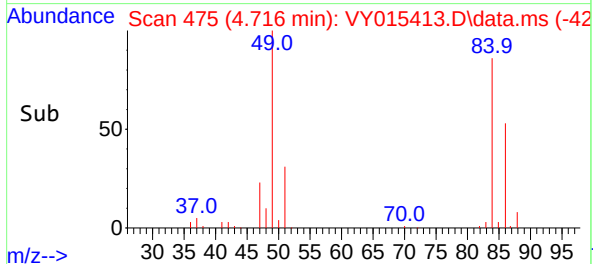
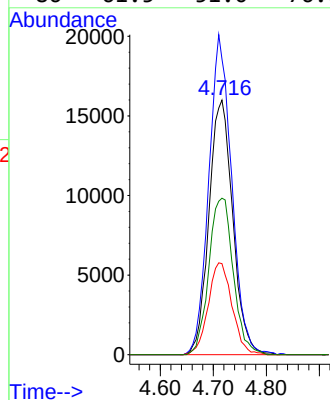
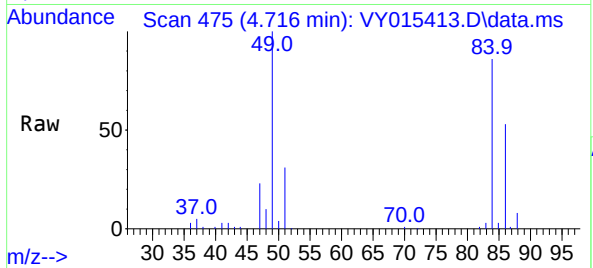




#20
Methylene Chloride
Concen: 22.201 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY015413.D
Acq: 01 Sep 2023 14:20

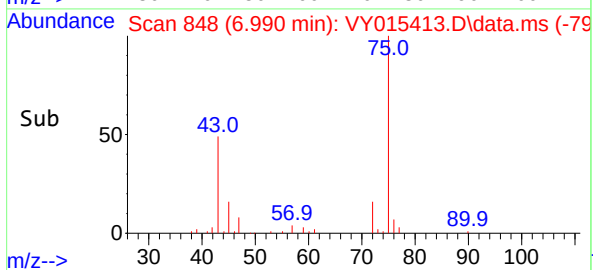
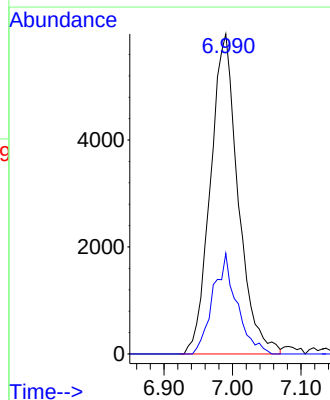
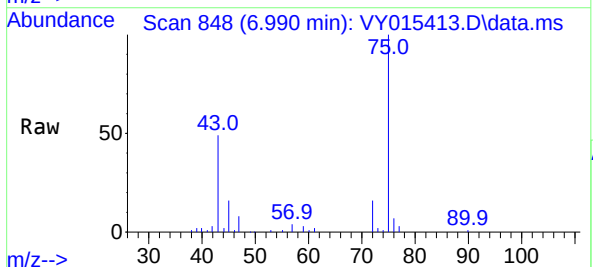
Instrument :
MSVOA_Y
ClientSampleId :
SB-02(22-23)

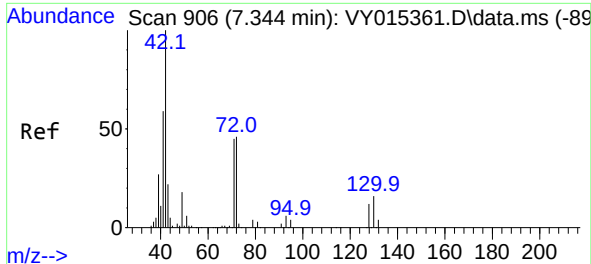
Tgt Ion: 84 Resp: 49977
Ion Ratio Lower Upper
84 100
49 116.2 106.9 160.3
51 35.8 33.2 49.8
86 61.5 51.0 76.6



#25
2-Butanone
Concen: 19.866 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY015413.D
Acq: 01 Sep 2023 14:20

Tgt Ion: 43 Resp: 16803
Ion Ratio Lower Upper
43 100
72 31.4 20.5 30.7#





#29

Tetrahydrofuran

Concen: 2.182 ug/l

RT: 7.350 min Scan# 90

Delta R.T. 0.006 min

Lab File: VY015413.D

Acq: 01 Sep 2023 14:20

Instrument :

MSVOA_Y

ClientSampleId :

SB-02(22-23)

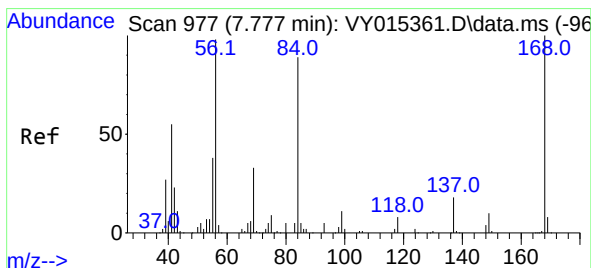
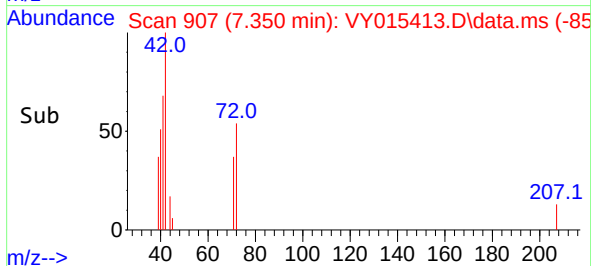
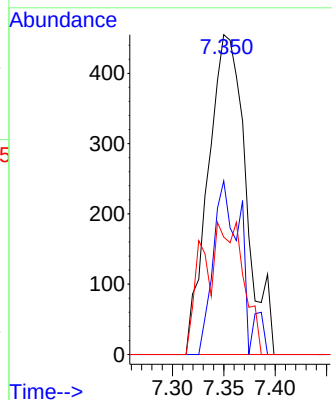
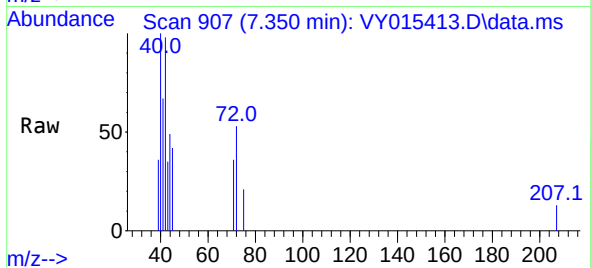
Tgt Ion: 42 Resp: 1159

Ion Ratio Lower Upper

42 100

72 40.8 32.8 49.2

71 30.0 31.0 46.4#



#31

Cyclohexane

Concen: 1.242 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.012 min

Lab File: VY015413.D

Acq: 01 Sep 2023 14:20

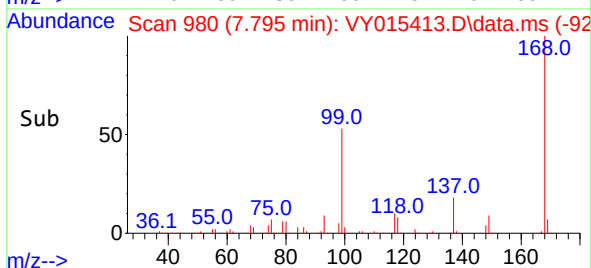
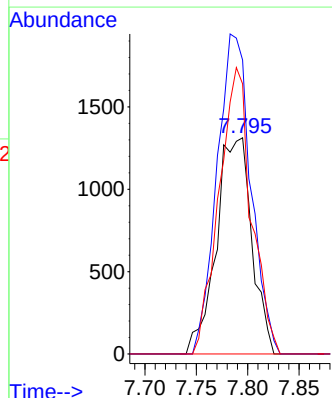
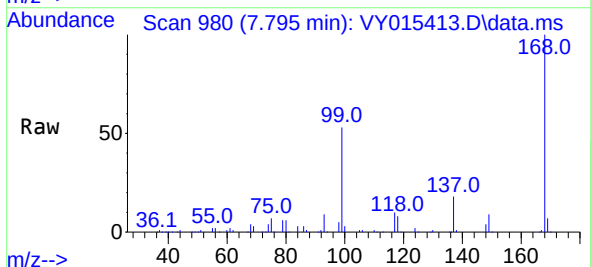
Tgt Ion: 56 Resp: 3151

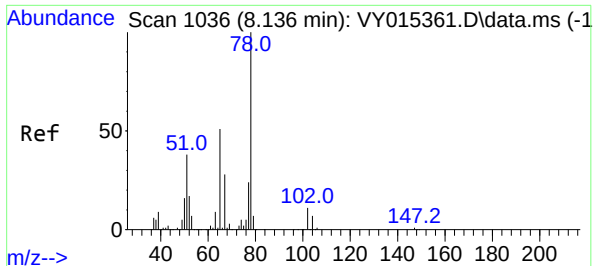
Ion Ratio Lower Upper

56 100

69 135.9 27.8 41.6#

84 124.9 66.4 99.6#

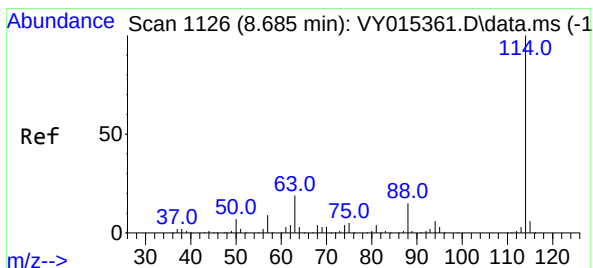
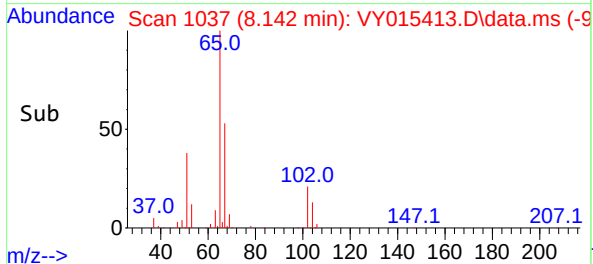
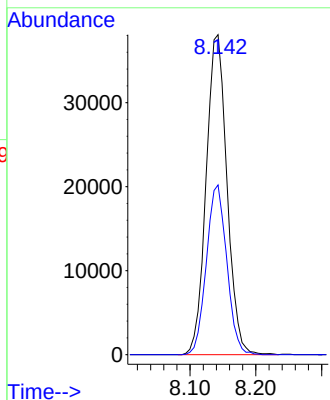
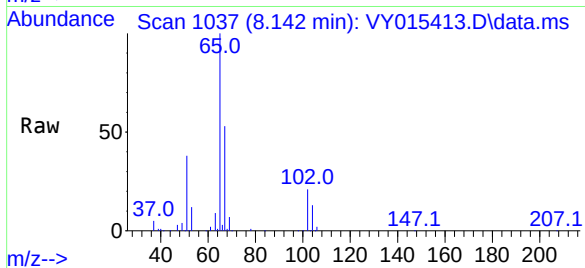




#33
1,2-Dichloroethane-d4
Concen: 58.831 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY015413.D
Acq: 01 Sep 2023 14:20

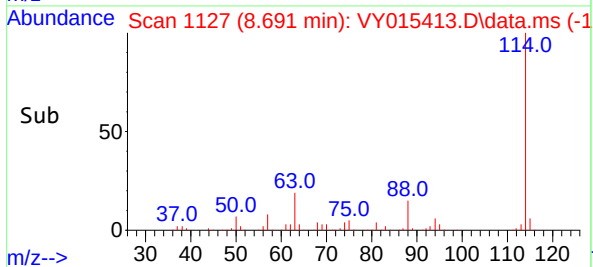
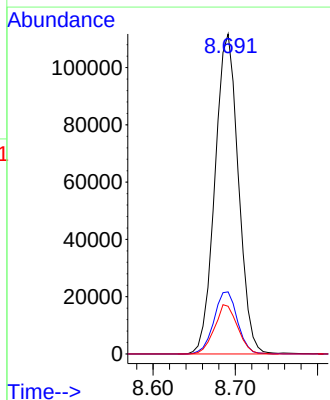
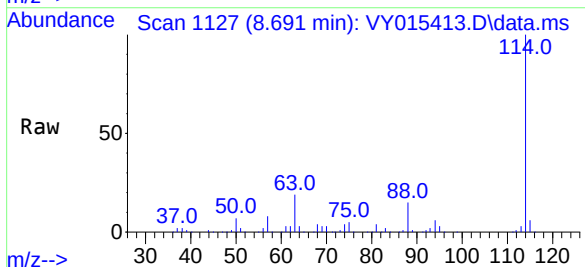
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SB-02(22-23)

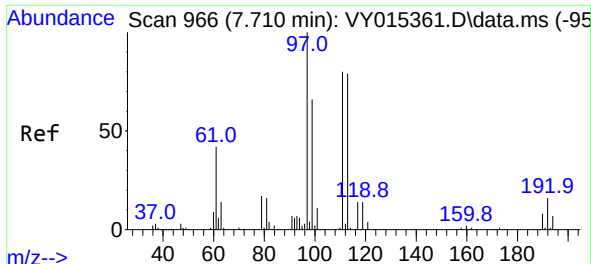
Tgt Ion: 65 Resp: 84053
Ion Ratio Lower Upper
65 100
67 51.8 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY015413.D
Acq: 01 Sep 2023 14:20

Tgt Ion: 114 Resp: 221178
Ion Ratio Lower Upper
114 100
63 19.4 0.0 42.4
88 14.9 0.0 30.6

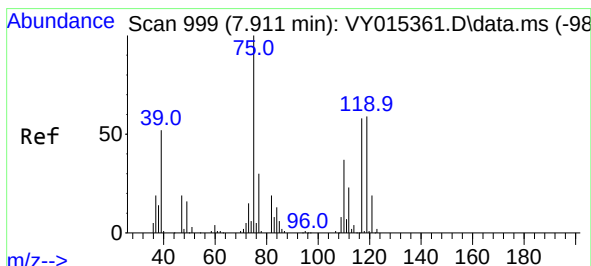
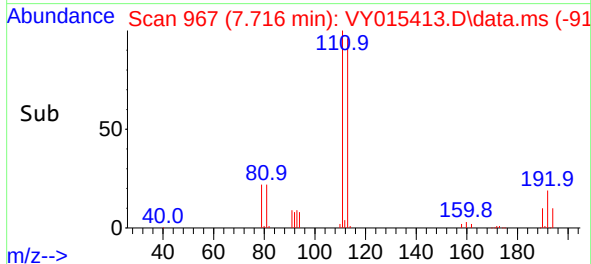
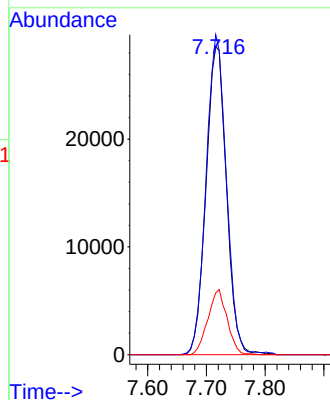
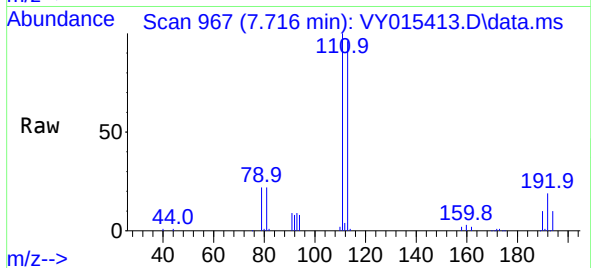




#35
Dibromofluoromethane
Concen: 54.240 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015413.D
Acq: 01 Sep 2023 14:20

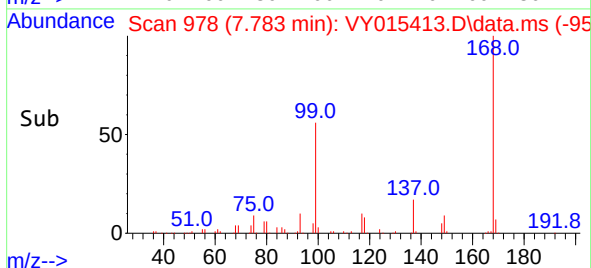
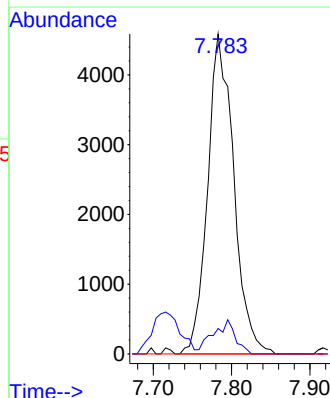
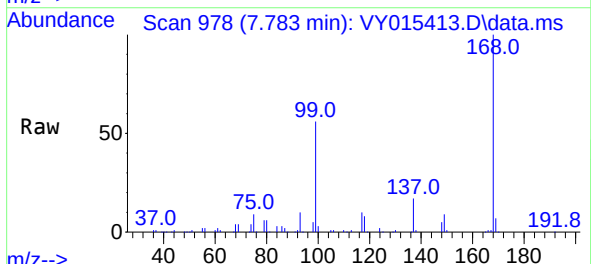
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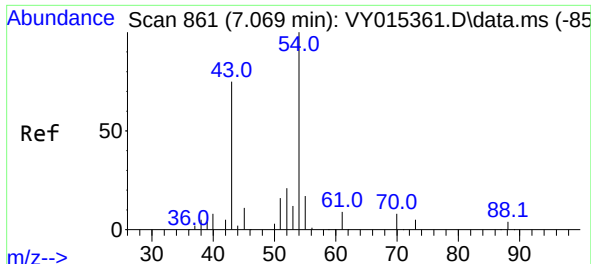
Tgt Ion:113 Resp: 69099
Ion Ratio Lower Upper
113 100
111 103.3 81.3 121.9
192 19.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.746 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015413.D
Acq: 01 Sep 2023 14:20

Tgt Ion: 75 Resp: 10617
Ion Ratio Lower Upper
75 100
110 9.2 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 9.740 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.073 min

Lab File: VY015413.D

Acq: 01 Sep 2023 14:20

Instrument :

MSVOA_Y

ClientSampleId :

SB-02(22-23)

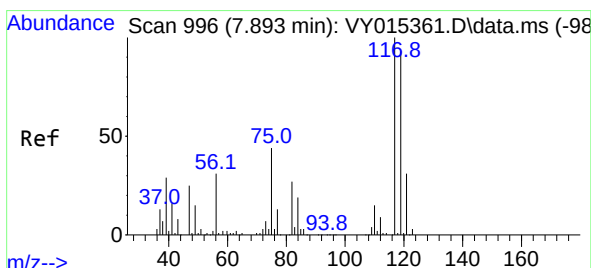
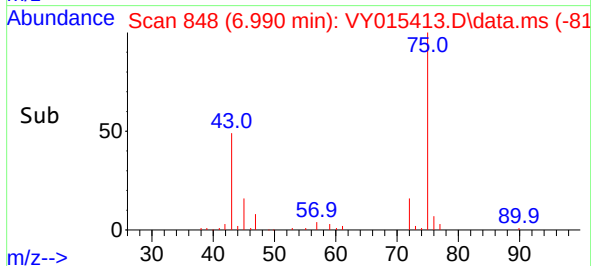
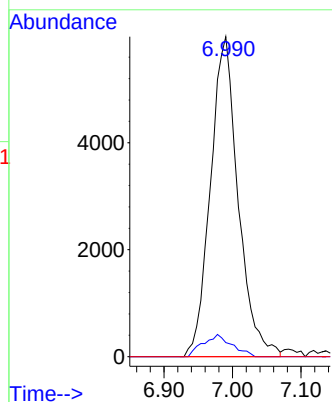
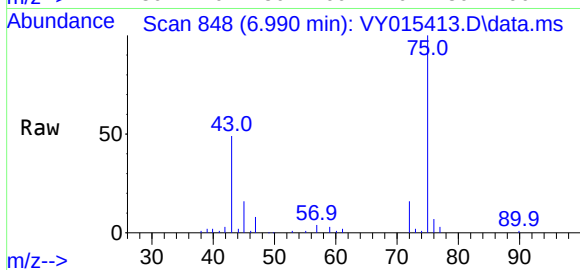
Tgt Ion: 43 Resp: 16803

Ion Ratio Lower Upper

43 100

61 7.2 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.705 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.104 min

Lab File: VY015413.D

Acq: 01 Sep 2023 14:20

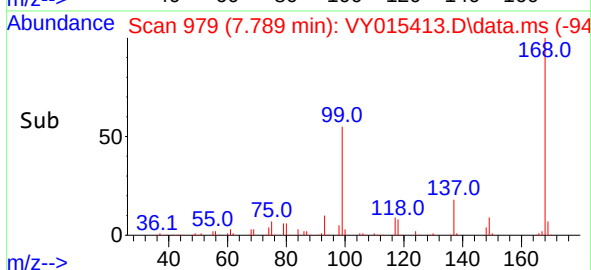
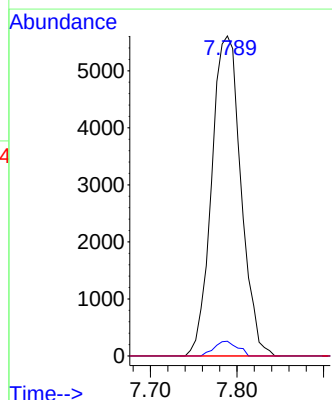
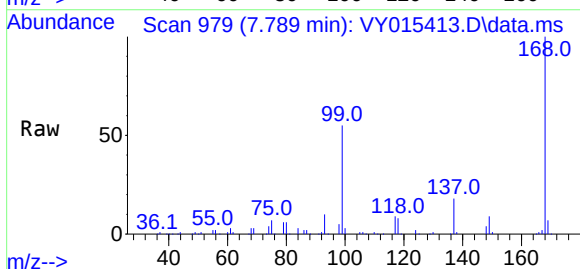
Tgt Ion: 117 Resp: 13180

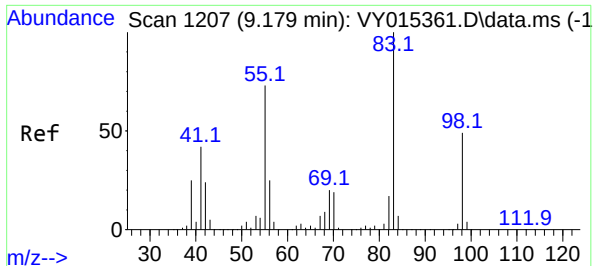
Ion Ratio Lower Upper

117 100

119 4.6 76.4 114.6#

121 0.0 25.8 38.6#

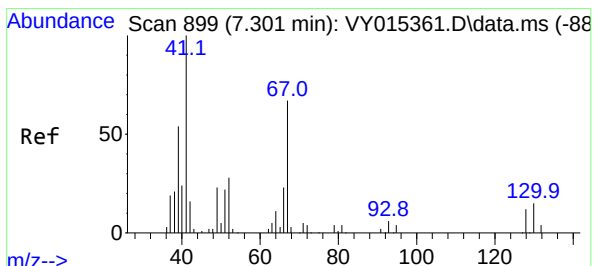
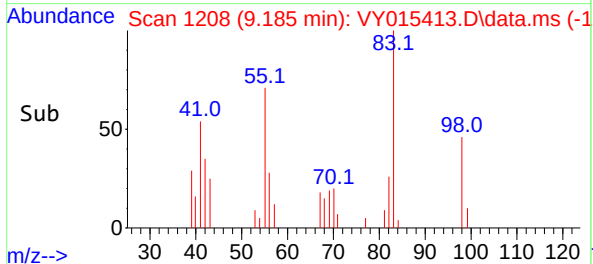
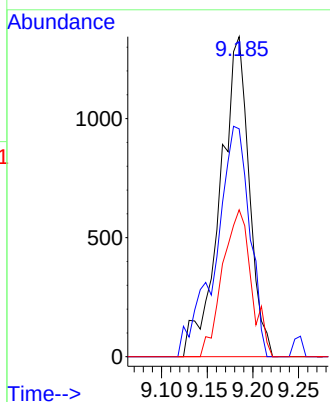
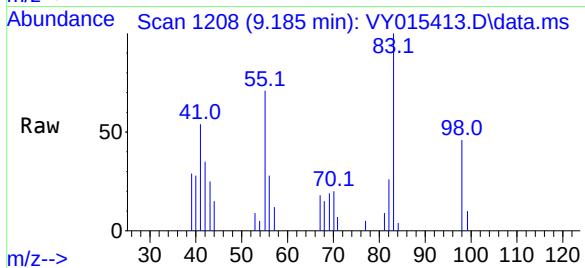




#39
Methylcyclohexane
Concen: 1.060 ug/l
RT: 9.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015413.D
Acq: 01 Sep 2023 14:20

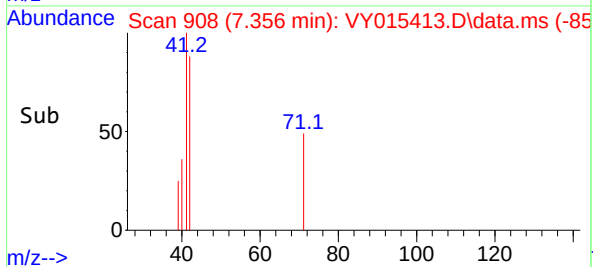
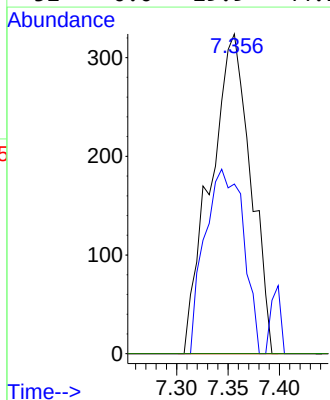
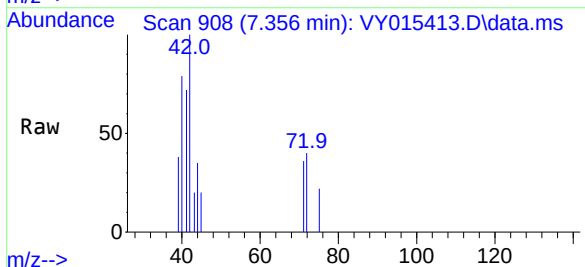
Instrument :
MSVOA_Y
ClientSampleId :
SB-02(22-23)

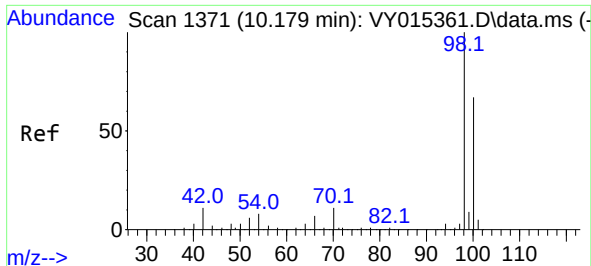
Tgt Ion: 83	Resp:	2985
Ion	Ratio	Lower Upper
83	100	
55	71.2	63.0 94.4
98	45.9	37.4 56.2



#41
Methacrylonitrile
Concen: 1.087 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.043 min
Lab File: VY015413.D
Acq: 01 Sep 2023 14:20

Tgt Ion: 41	Resp:	879
Ion	Ratio	Lower Upper
41	100	
39	55.5	52.1 78.1
67	0.0	66.2 99.2#
52	0.0	29.9 44.9#

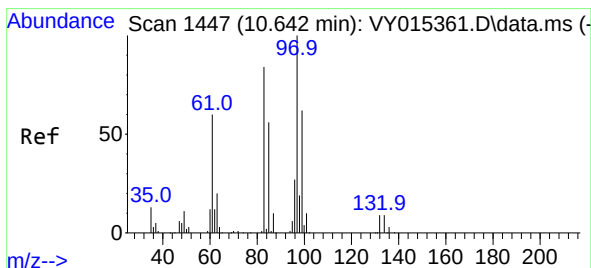
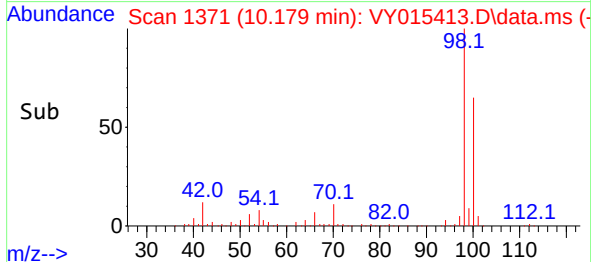
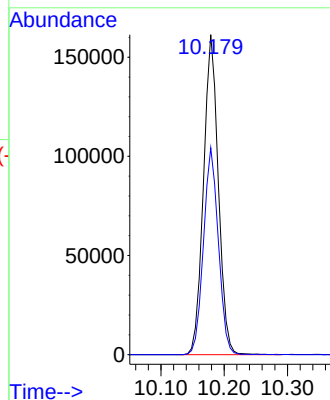
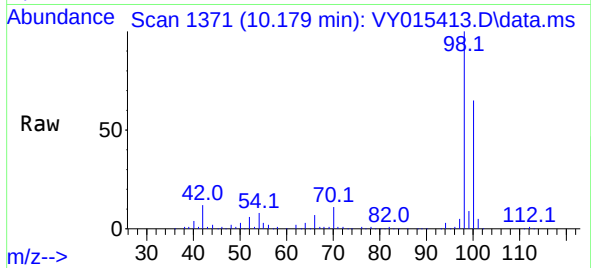




#50
Toluene-d8
Concen: 57.172 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015413.D
Acq: 01 Sep 2023 14:20

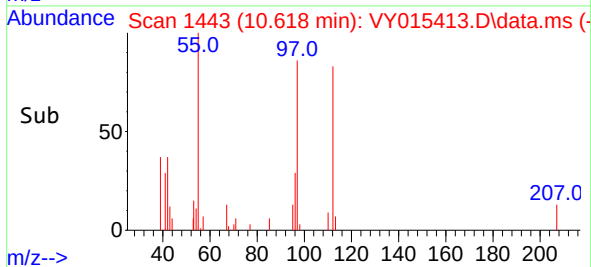
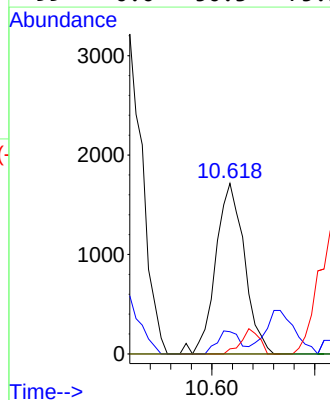
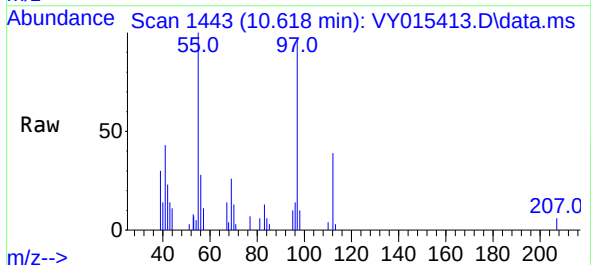
Instrument :
MSVOA_Y
ClientSampleId :
SB-02(22-23)

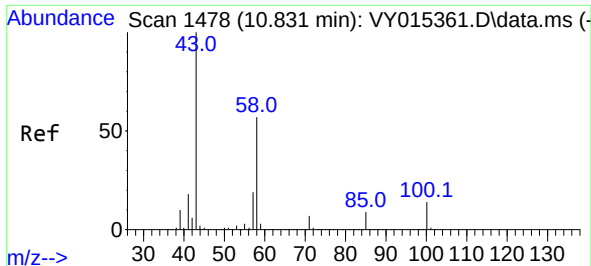
Tgt Ion: 98 Resp: 263757
Ion Ratio Lower Upper
98 100
100 64.7 50.1 75.1



#55
1,1,2-Trichloroethane
Concen: 2.368 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.024 min
Lab File: VY015413.D
Acq: 01 Sep 2023 14:20

Tgt Ion: 97 Resp: 3335
Ion Ratio Lower Upper
97 100
83 13.0 72.0 108.0#
85 3.0 45.4 68.0#
99 0.0 50.3 75.5#

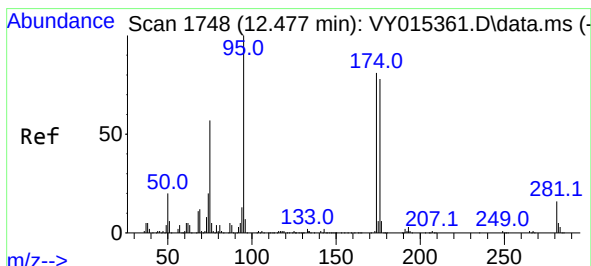
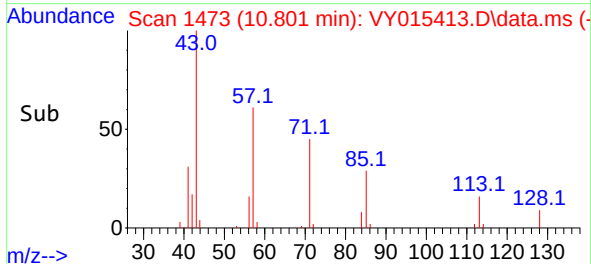
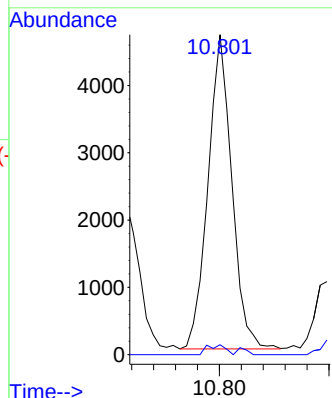
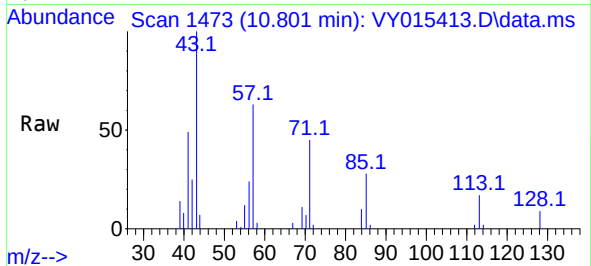




#59
2-Hexanone
Concen: 5.428 ug/l
RT: 10.801 min Scan# 1478
Delta R.T. -0.030 min
Lab File: VY015413.D
Acq: 01 Sep 2023 14:20

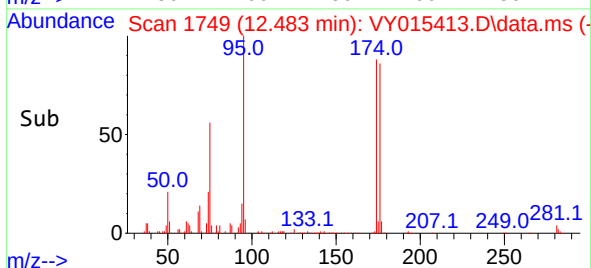
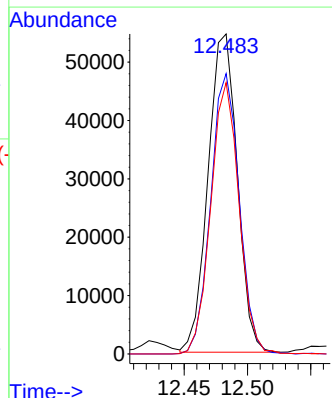
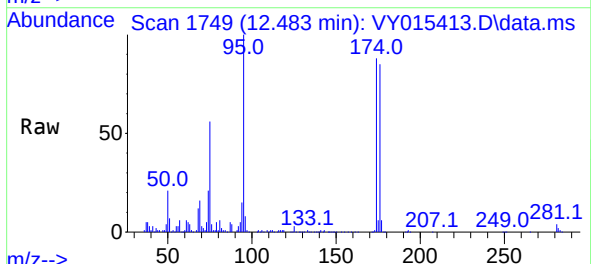
Instrument :
MSVOA_Y
ClientSampleId :
SB-02(22-23)

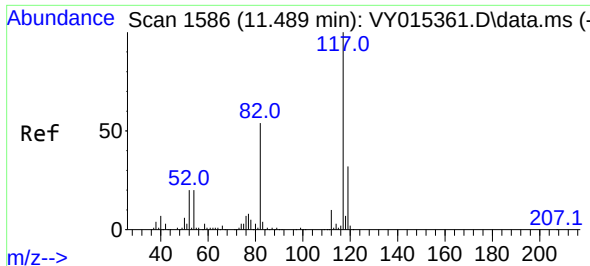
Tgt Ion: 43 Resp: 7062
Ion Ratio Lower Upper
43 100
58 2.4 25.1 75.3#



#62
4-Bromofluorobenzene
Concen: 51.169 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015413.D
Acq: 01 Sep 2023 14:20

Tgt Ion: 95 Resp: 87636
Ion Ratio Lower Upper
95 100
174 86.0 0.0 178.2
176 82.3 0.0 173.8



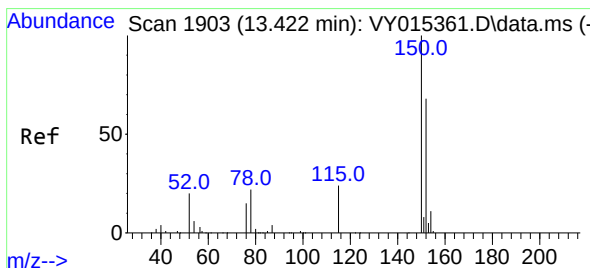
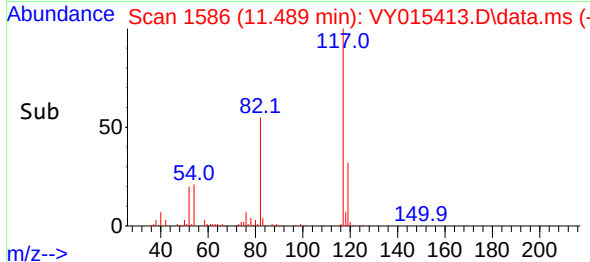
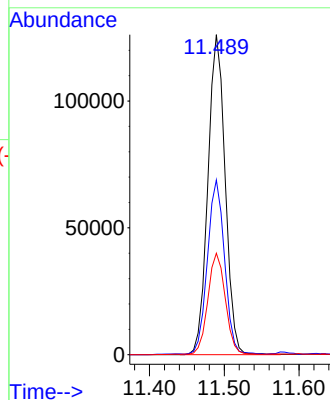
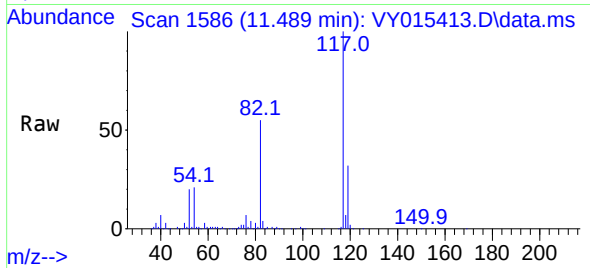


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015413.D
Acq: 01 Sep 2023 14:20

Instrument :
MSVOA_Y
ClientSampleId :
SB-02(22-23)

Tgt Ion:117 Resp: 202677

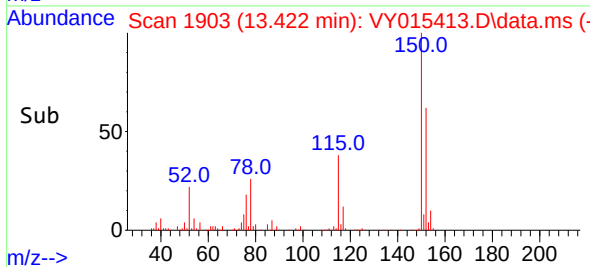
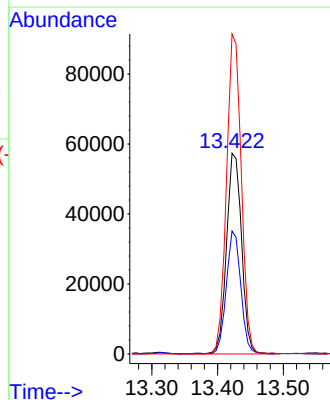
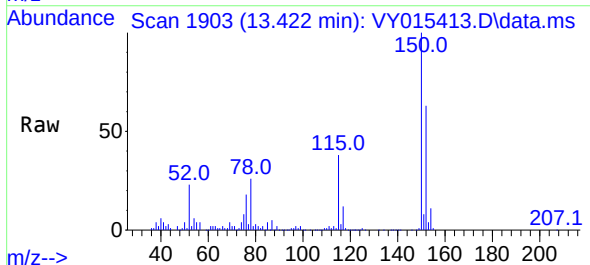
Ion	Ratio	Lower	Upper
117	100		
82	54.4	43.4	65.0
119	31.6	26.3	39.5

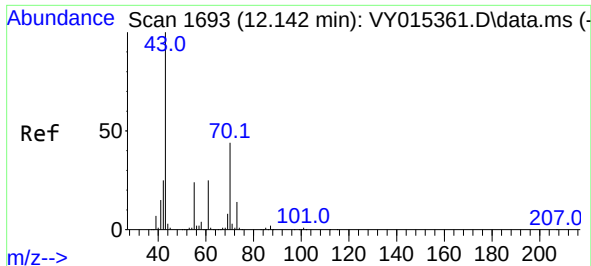


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY015413.D
Acq: 01 Sep 2023 14:20

Tgt Ion:152 Resp: 91578

Ion	Ratio	Lower	Upper
152	100		
115	59.1	28.8	86.5
150	156.5	0.0	348.8

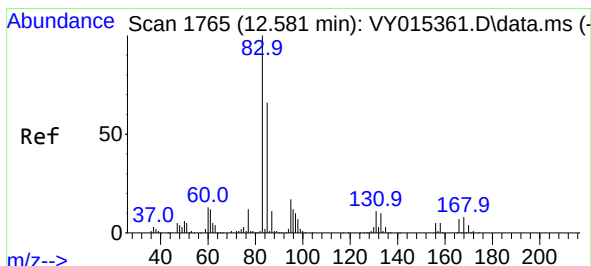
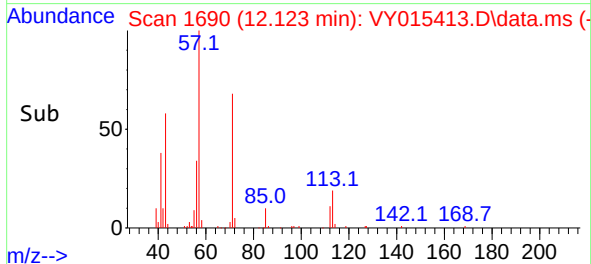
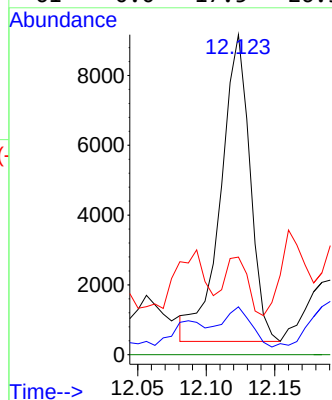
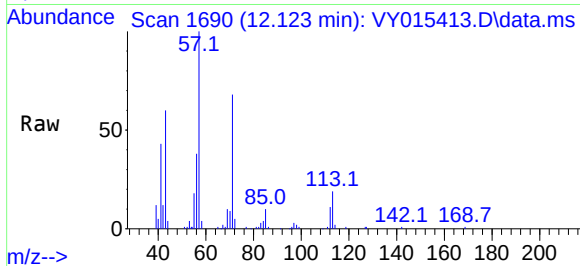




#74
N-amy1 acetate
Concen: 5.664 ug/l
RT: 12.123 min Scan# 1690
Delta R.T. -0.018 min
Lab File: VY015413.D
Acq: 01 Sep 2023 14:20

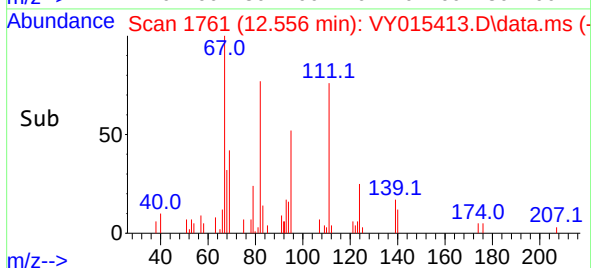
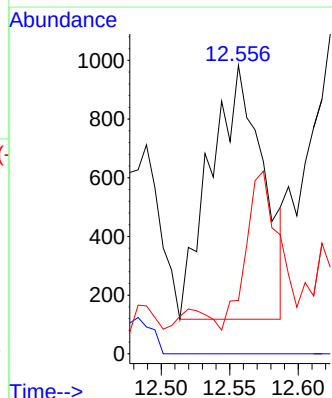
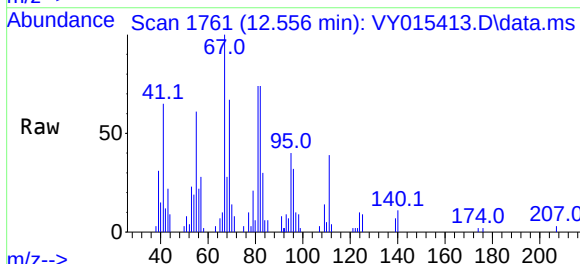
Instrument :
MSVOA_Y
ClientSampleId :
SB-02(22-23)

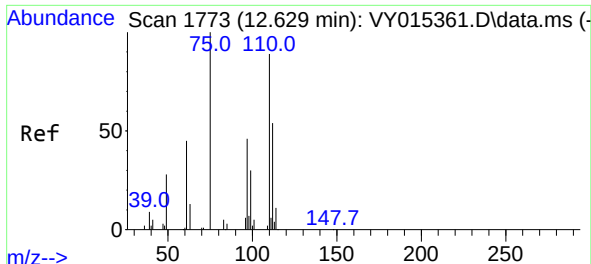
Tgt Ion:	43	Resp:	13090
Ion	Ratio	Lower	Upper
43	100		
70	11.8	29.7	44.5#
55	18.5	18.3	27.5
61	0.0	17.5	26.3#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.408 ug/l
RT: 12.556 min Scan# 1761
Delta R.T. -0.024 min
Lab File: VY015413.D
Acq: 01 Sep 2023 14:20

Tgt Ion:	83	Resp:	2312
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.4	16.2#
85	39.3	31.8	95.4

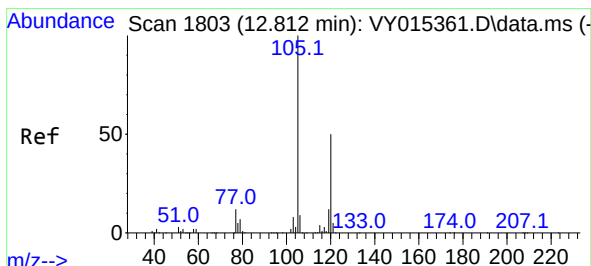
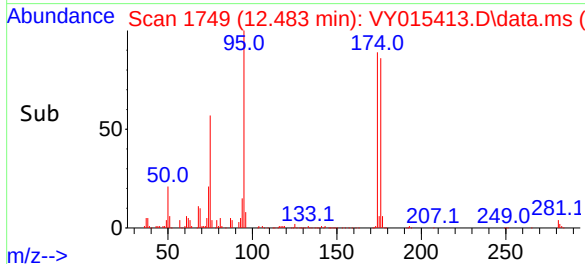
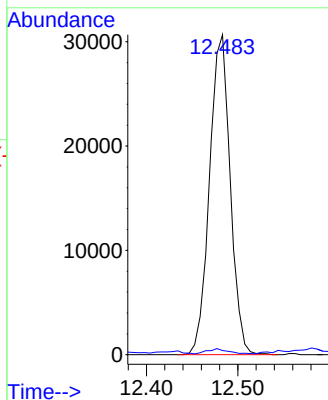
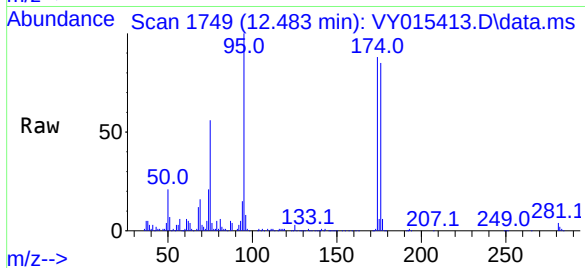




#76
1,2,3-Trichloropropane
Concen: 39.673 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.146 min
Lab File: VY015413.D
Acq: 01 Sep 2023 14:20

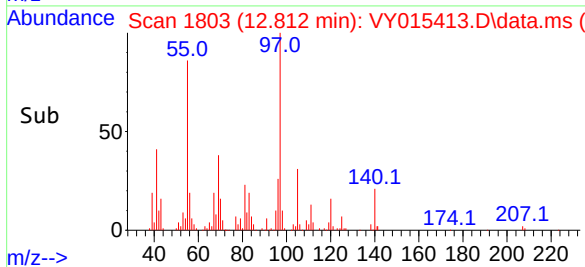
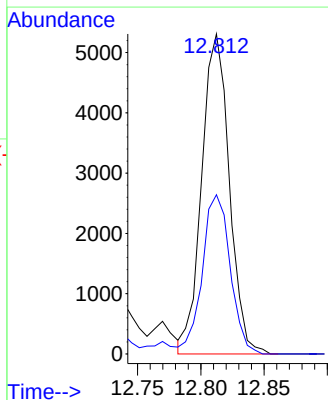
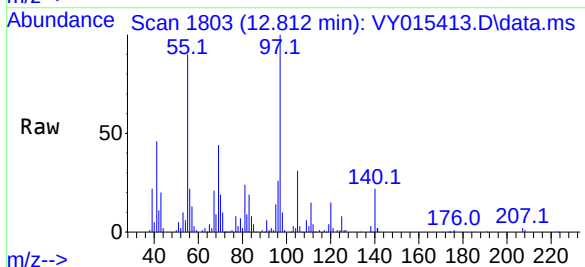
Instrument :
MSVOA_Y
ClientSampleId :
SB-02(22-23)

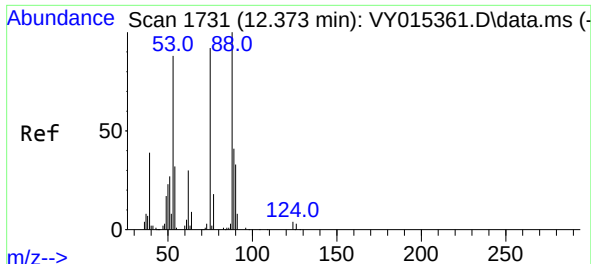
Tgt Ion: 75 Resp: 48180
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 1.401 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY015413.D
Acq: 01 Sep 2023 14:20

Tgt Ion:105 Resp: 8063
Ion Ratio Lower Upper
105 100
120 50.4 23.9 71.7

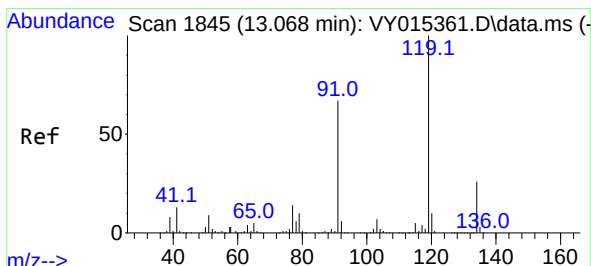
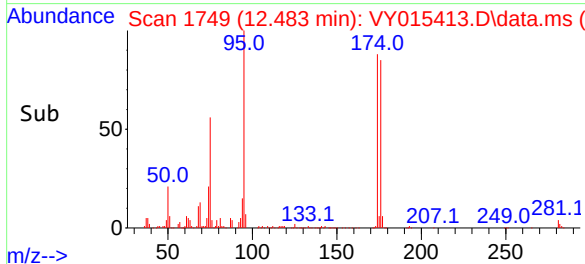
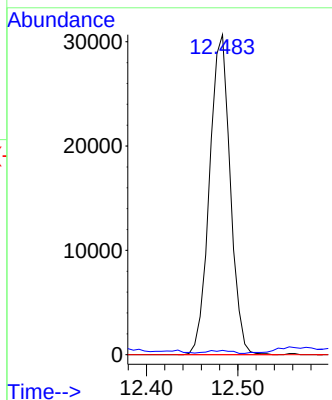
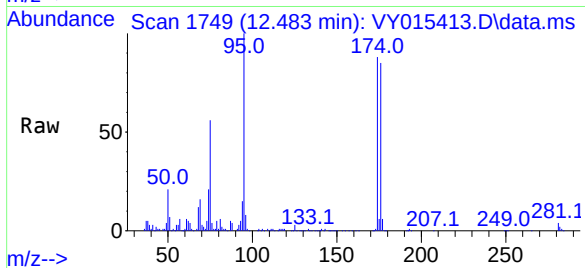




#81
trans-1,4-Dichloro-2-butene
Concen: 87.515 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY015413.D
Acq: 01 Sep 2023 14:20

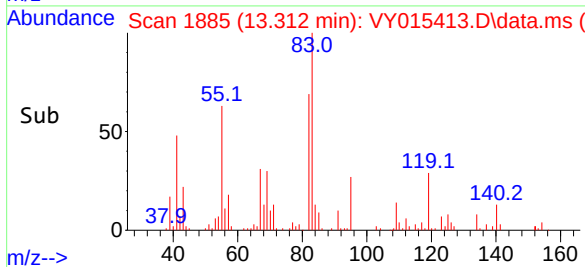
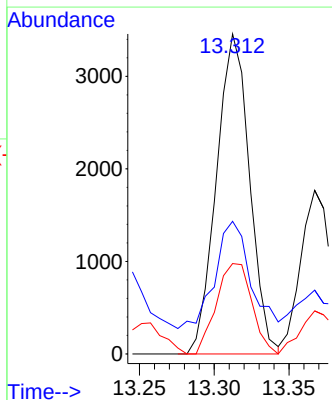
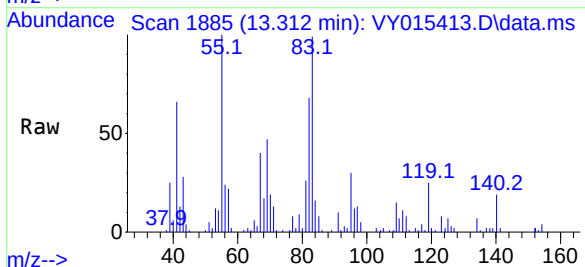
Instrument :
MSVOA_Y
ClientSampleId :
SB-02(22-23)

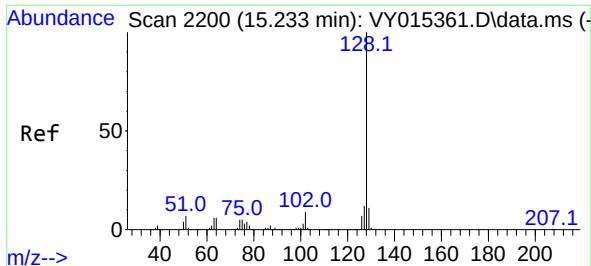
Tgt Ion: 75 Resp: 48180
Ion Ratio Lower Upper
75 100
53 1.0 77.8 116.8#
89 0.0 37.4 56.0#



#83
tert-Butylbenzene
Concen: 1.056 ug/l
RT: 13.312 min Scan# 1885
Delta R.T. 0.238 min
Lab File: VY015413.D
Acq: 01 Sep 2023 14:20

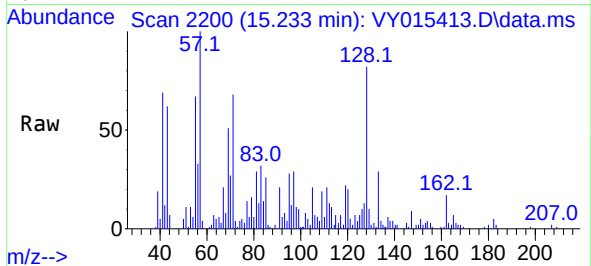
Tgt Ion: 119 Resp: 5321
Ion Ratio Lower Upper
119 100
91 35.1 32.9 98.6
134 30.2 13.0 38.9





#95
Naphthalene
Concen: 2.507 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY015413.D
Acq: 01 Sep 2023 14:20

Instrument :
MSVOA_Y
ClientSampleId :
SB-02(22-23)



Tgt Ion:	128	Resp:	11446
Ion Ratio	100	Lower	Upper
128	100		
127	24.2	10.8	16.2#
129	8.1	8.6	13.0#

