

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080923\
 Data File : VY015004.D
 Acq On : 09 Aug 2023 14:44
 Operator : SY/MD
 Sample : 03939-06
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ORA-1748-1719-1750-1751-1752-1753-1754

Quant Time: Aug 10 01:45:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 07:44:56 2023
 Response via : Initial Calibration

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

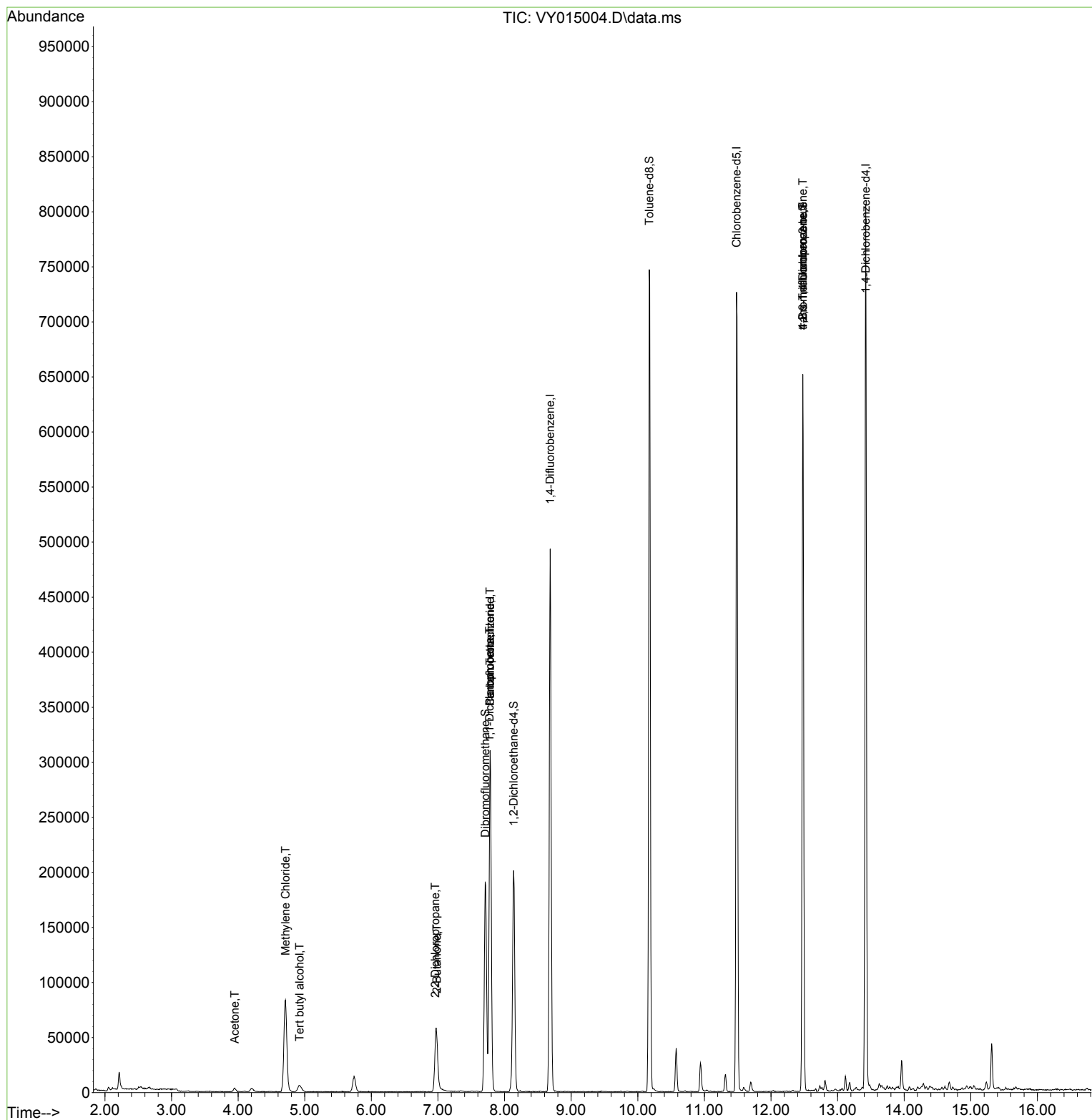
Internal Standards						
1) Pentafluorobenzene	7.783	168	244414	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	416426	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.484	117	401193	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	201184	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	159180	53.734	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.460%	
35) Dibromofluoromethane	7.710	113	134253	50.415	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.820%	
50) Toluene-d8	10.173	98	493824	48.721	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.440%	
62) 4-Bromofluorobenzene	12.477	95	188566	52.491	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.980%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	108	Below Cal	#	43
5) Bromomethane	2.650	94	790	Below Cal	#	78
11) Tert butyl alcohol	4.924	59	7512	10.507	ug/l #	89
16) Acetone	3.948	43	5470	5.921	ug/l	100
20) Methylene Chloride	4.710	84	64014	5.290	ug/l	92
25) 2-Butanone	6.984	43	3743	2.829	ug/l #	71
26) 2,2-Dichloropropane	6.960	77	4333	1.007	ug/l #	54
31) Cyclohexane	7.777	56	5132	Below Cal	#	5
36) 1,1-Dichloropropene	7.777	75	18803	5.687	ug/l #	50
38) Carbon Tetrachloride	7.783	117	23821	6.409	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	102203	42.396	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	102203	93.400	ug/l #	10

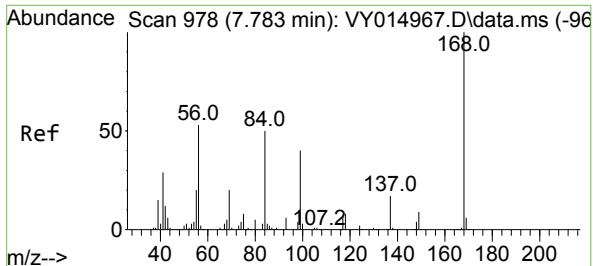
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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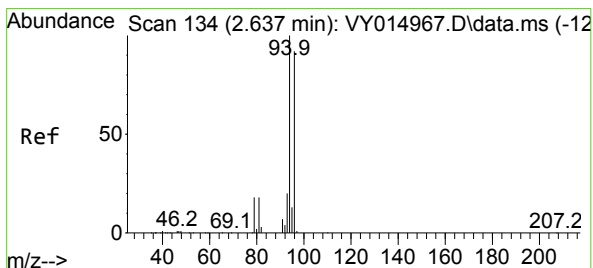
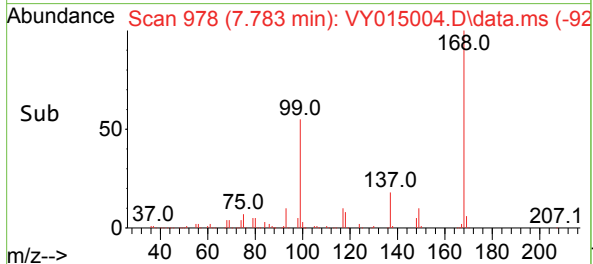
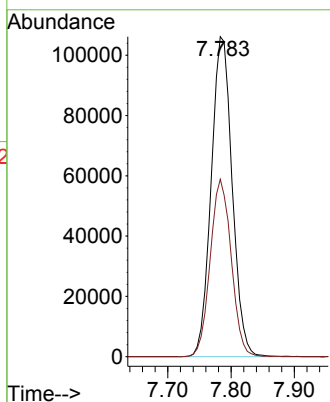
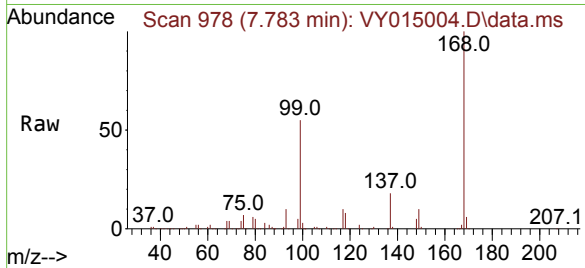




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015004.D
Acq: 09 Aug 2023 14:44

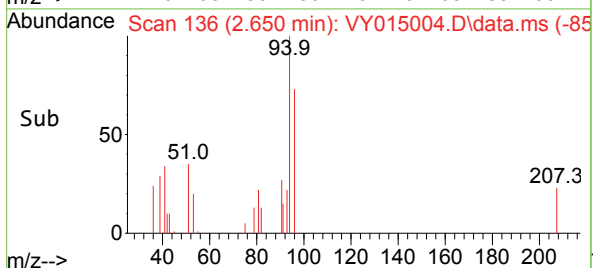
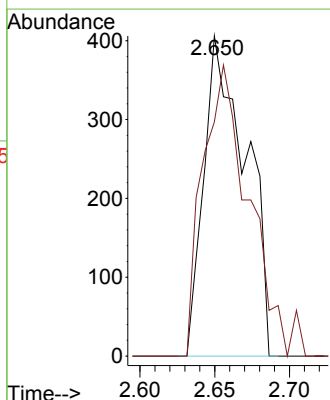
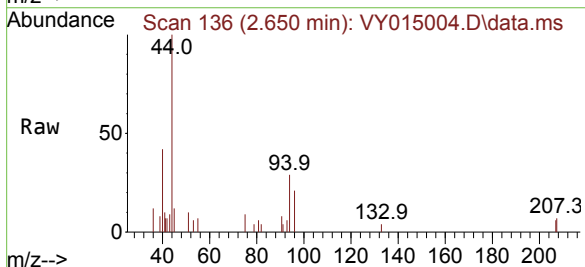
Instrument :
MSVOA_Y
ClientSampleId :
ORA-1748-1719-1750-1751-1752-1753-1754

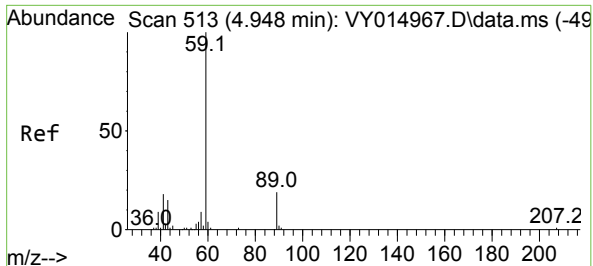
Tgt Ion:168 Resp: 244414
Ion Ratio Lower Upper
168 100
99 55.5 43.4 65.0



#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 136
Delta R.T. 0.013 min
Lab File: VY015004.D
Acq: 09 Aug 2023 14:44

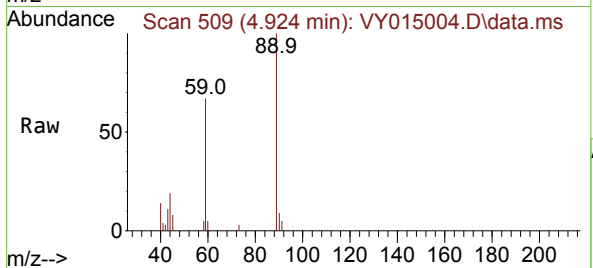
Tgt Ion: 94 Resp: 790
Ion Ratio Lower Upper
94 100
96 73.2 75.8 113.6#



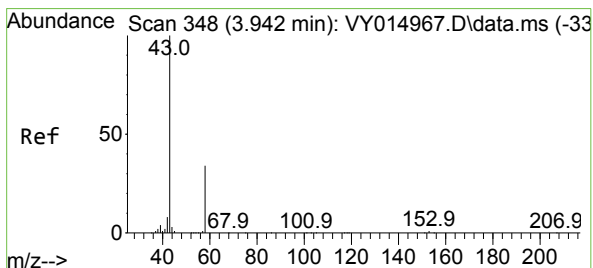
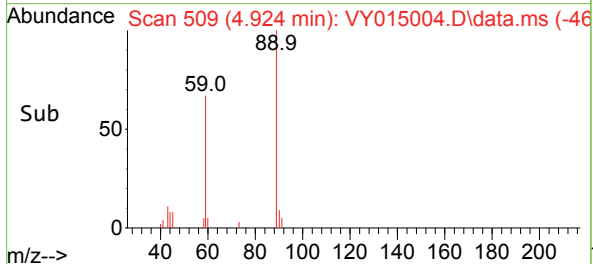
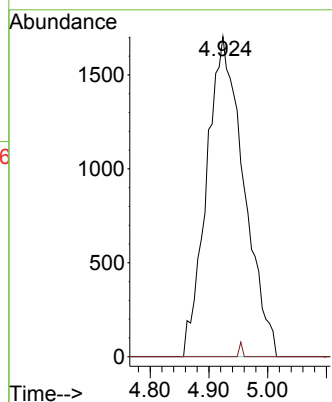


#11
Tert butyl alcohol
Concen: 10.507 ug/l
RT: 4.924 min Scan# 509
Delta R.T. -0.024 min
Lab File: VY015004.D
Acq: 09 Aug 2023 14:44

Instrument :
MSVOA_Y
ClientSampleId :
ORA-1748-1719-1750-1751-1752-1753-1754

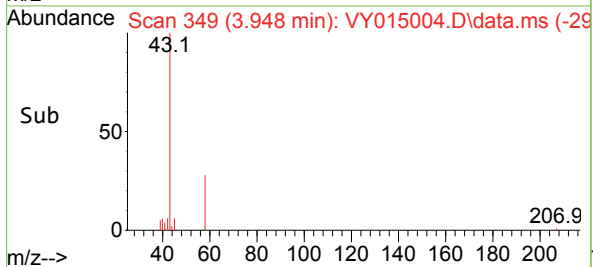
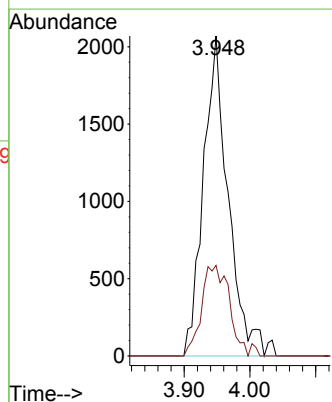
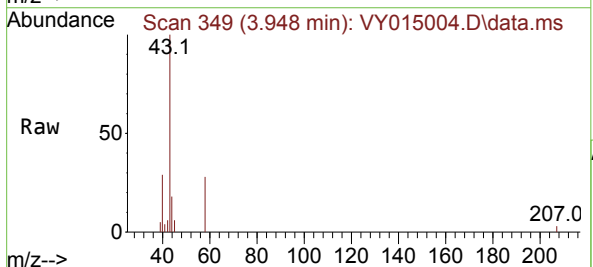


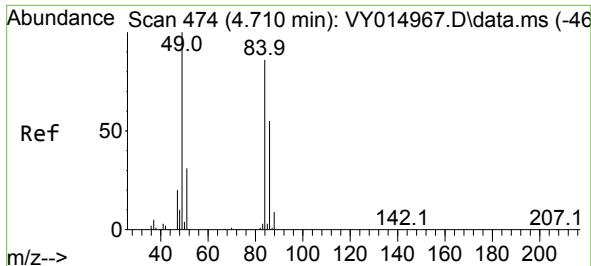
Tgt Ion: 59 Resp: 7512
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 5.921 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY015004.D
Acq: 09 Aug 2023 14:44

Tgt Ion: 43 Resp: 5470
Ion Ratio Lower Upper
43 100
58 28.3 22.7 34.1

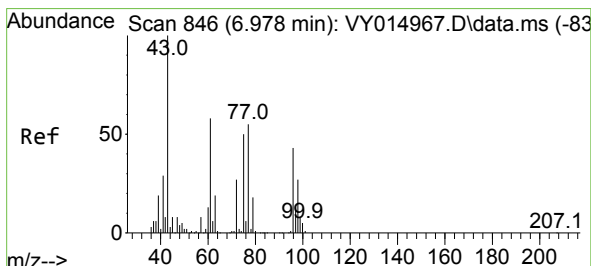
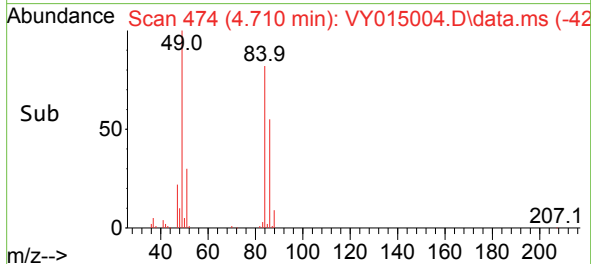
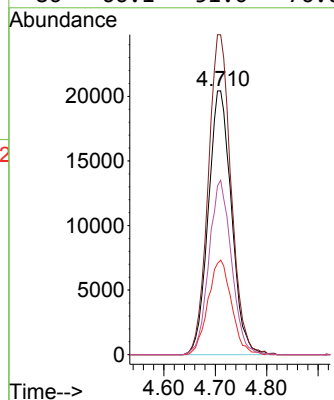
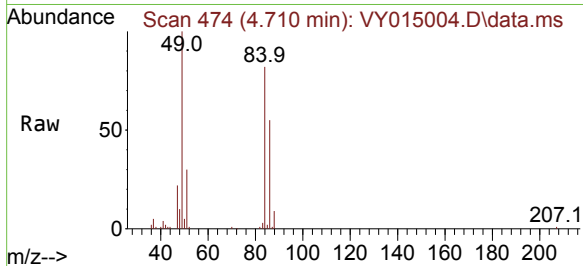




#20
Methylene Chloride
Concen: 5.290 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY015004.D
Acq: 09 Aug 2023 14:44

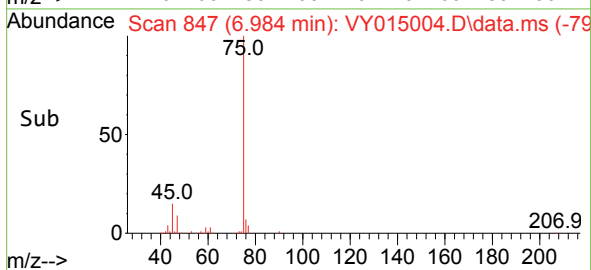
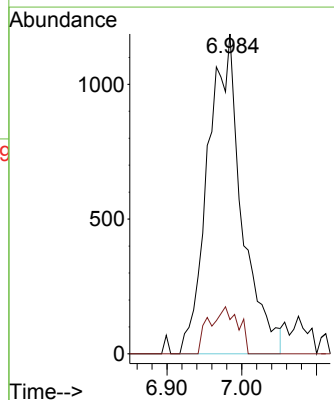
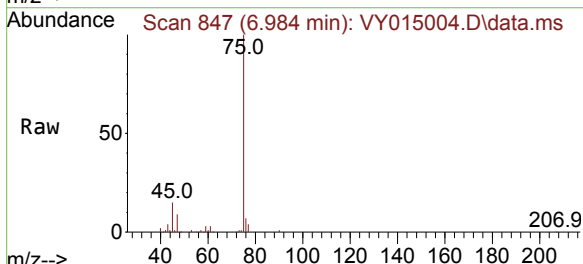
Instrument :
MSVOA_Y
ClientSampleId :
ORA-1748-1719-1750-1751-1752-1753-1754

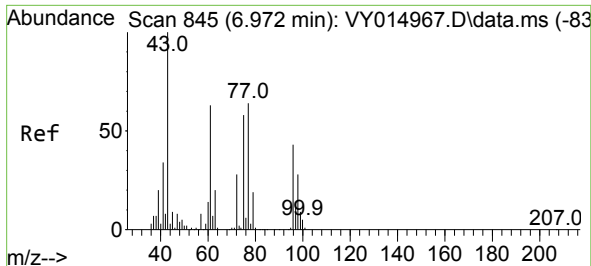
Tgt Ion: 84	Resp: 64014		
Ion	Ratio	Lower	Upper
84	100		
49	121.2	106.9	160.3
51	35.9	33.2	49.8
86	66.1	51.0	76.6



#25
2-Butanone
Concen: 2.829 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY015004.D
Acq: 09 Aug 2023 14:44

Tgt Ion: 43	Resp: 3743		
Ion Ratio	Lower	Upper	
43 100			
72 10.7	20.5	30.7#	





#26

2,2-Dichloropropane

Concen: 1.007 ug/l

RT: 6.960 min Scan# 845

Delta R.T. -0.012 min

Lab File: VY015004.D

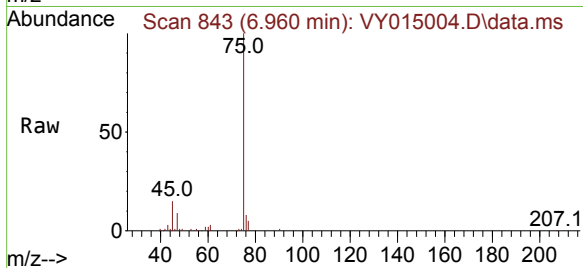
Acq: 09 Aug 2023 14:44

Instrument :

MSVOA_Y

ClientSampleId :

ORA-1748-1719-1750-1751-1752-1753-1754

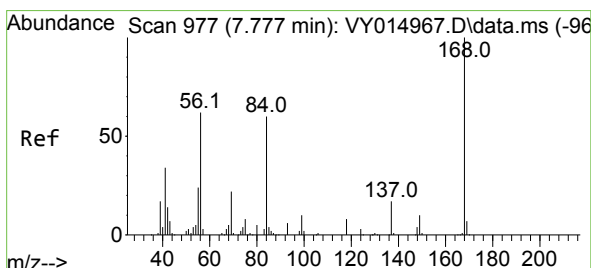
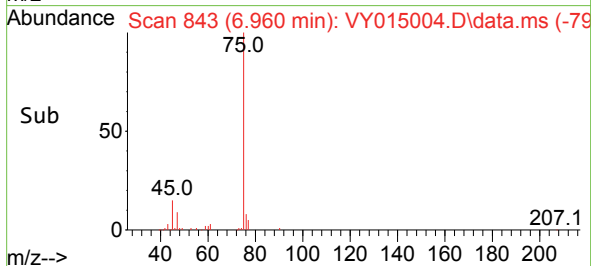
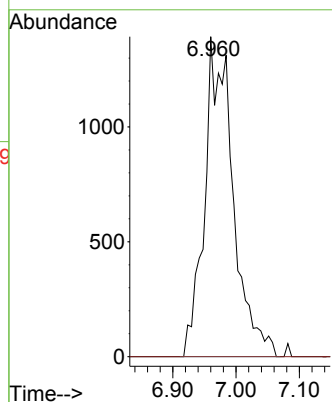


Tgt Ion: 77 Resp: 4333

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#31

Cyclohexane

Concen: Below Cal

RT: 7.777 min Scan# 977

Delta R.T. -0.000 min

Lab File: VY015004.D

Acq: 09 Aug 2023 14:44

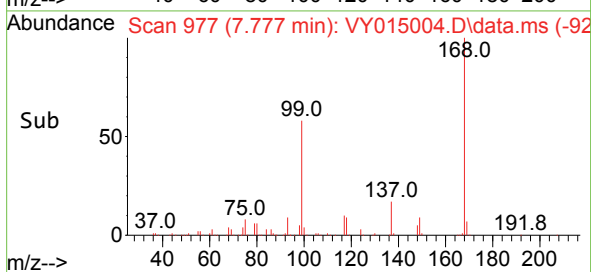
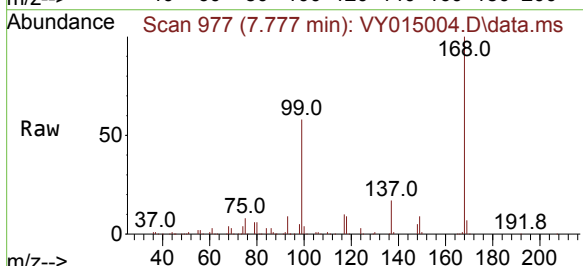
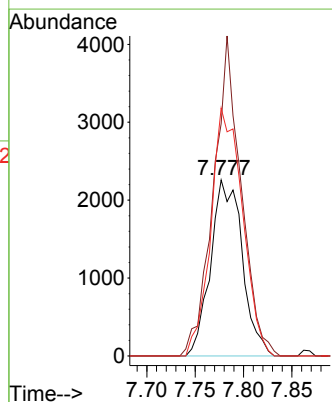
Tgt Ion: 56 Resp: 5132

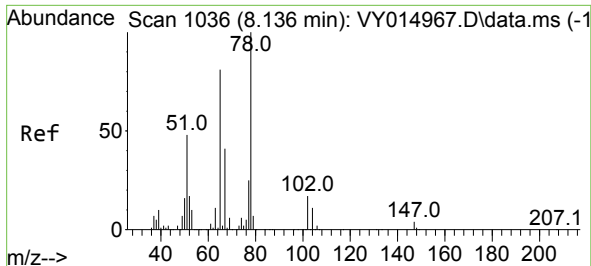
Ion Ratio Lower Upper

56 100

69 132.0 27.8 41.6#

84 140.9 66.4 99.6#

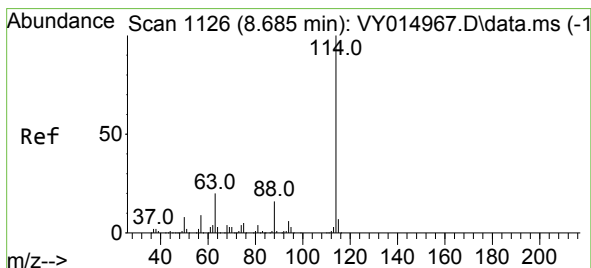
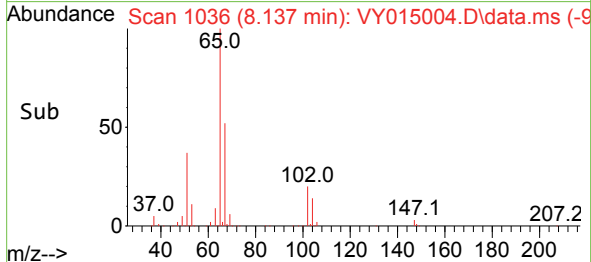
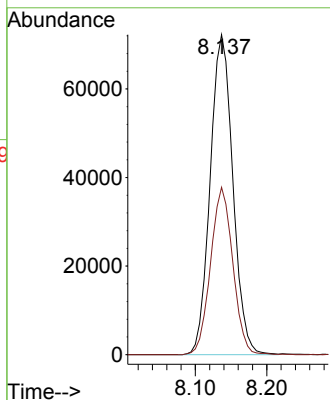
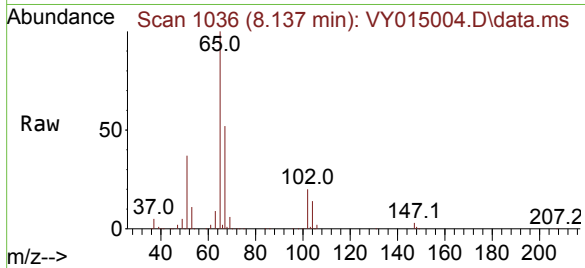




#33
 1,2-Dichloroethane-d4
 Concen: 53.734 ug/l
 RT: 8.137 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY015004.D
 Acq: 09 Aug 2023 14:44

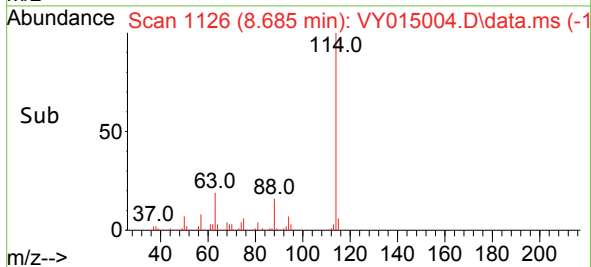
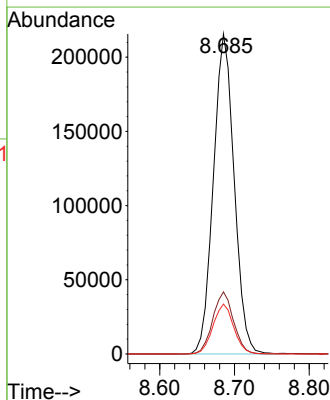
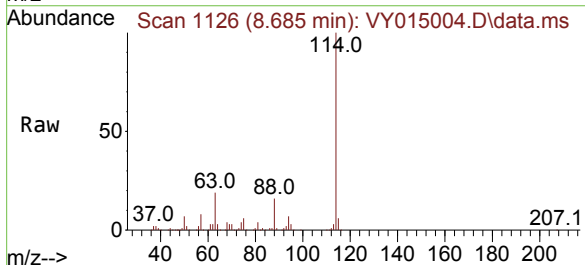
Instrument : MSVOA_Y
 ClientSampleId : ORA-1748-1719-1750-1751-1752-1753-1754

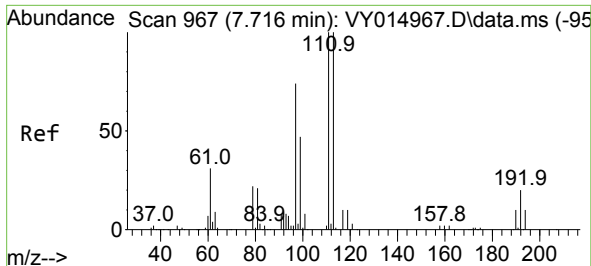
Tgt Ion: 65 Resp: 159180
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY015004.D
 Acq: 09 Aug 2023 14:44

Tgt Ion: 114 Resp: 416426
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 42.4
 88 15.6 0.0 30.6

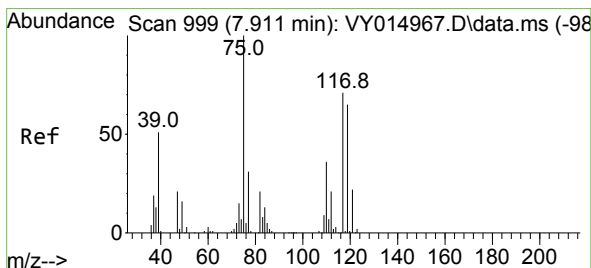
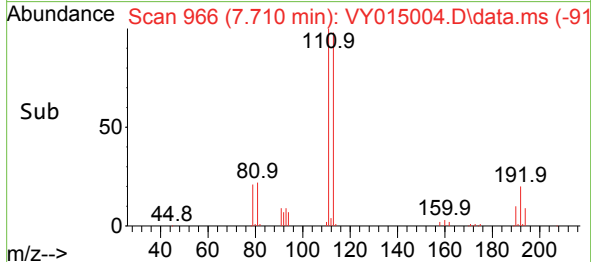
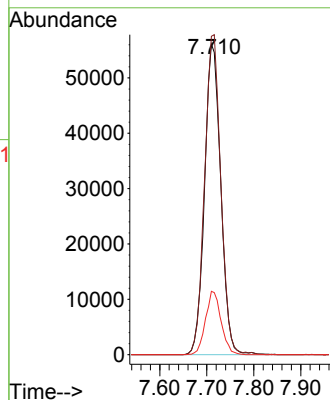
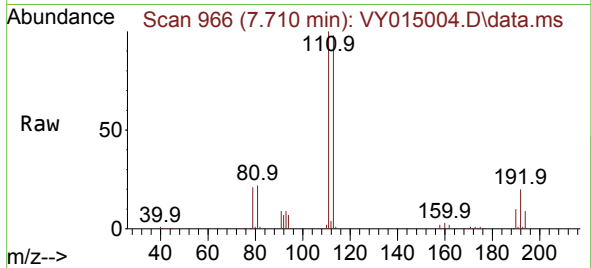




#35
Dibromofluoromethane
Concen: 50.415 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY015004.D
Acq: 09 Aug 2023 14:44

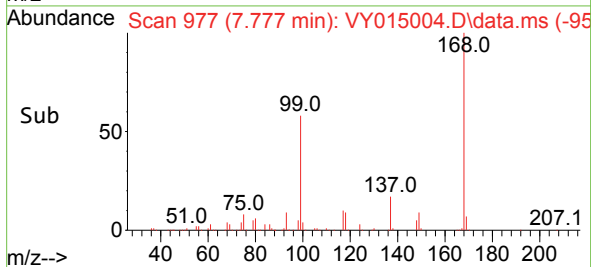
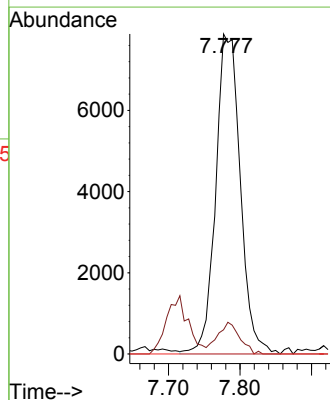
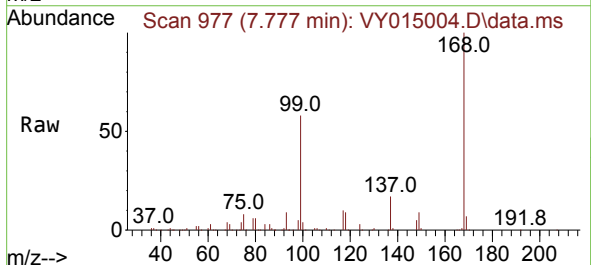
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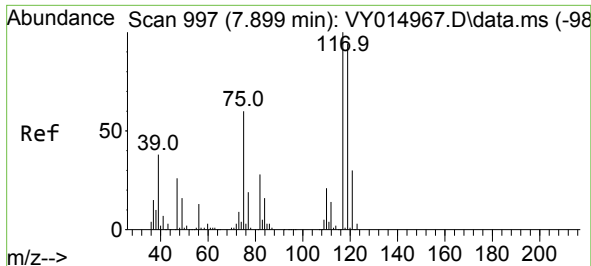
Tgt Ion:113 Resp: 134253
Ion Ratio Lower Upper
113 100
111 103.0 81.3 121.9
192 19.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.687 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.134 min
Lab File: VY015004.D
Acq: 09 Aug 2023 14:44

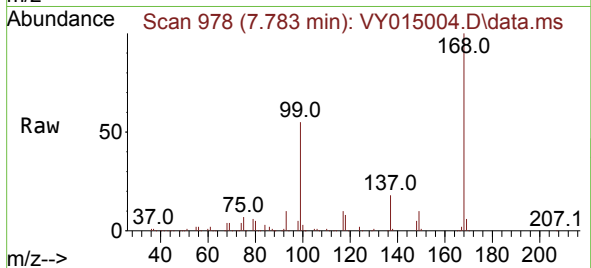
Tgt Ion: 75 Resp: 18803
Ion Ratio Lower Upper
75 100
110 8.9 17.8 53.5#
77 0.0 24.4 36.6#



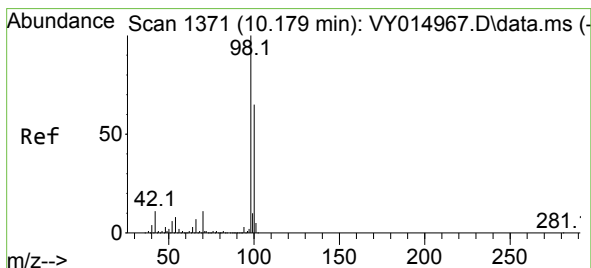
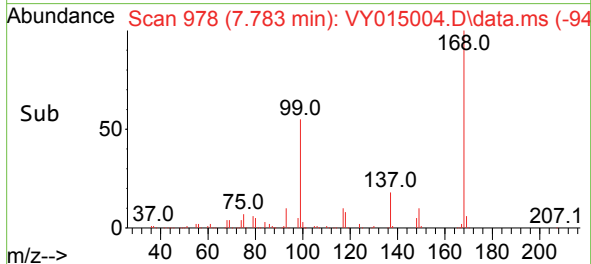
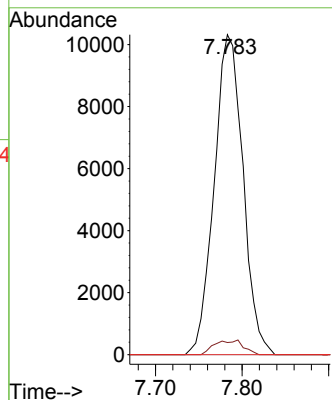


#38
Carbon Tetrachloride
Concen: 6.409 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY015004.D
Acq: 09 Aug 2023 14:44

Instrument :
MSVOA_Y
ClientSampleId :
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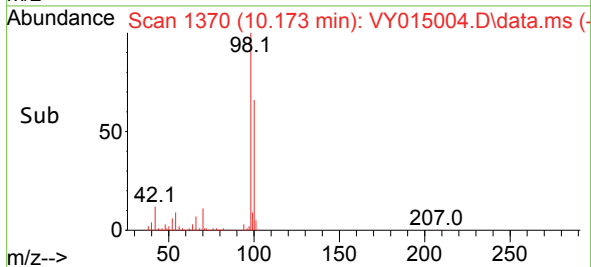
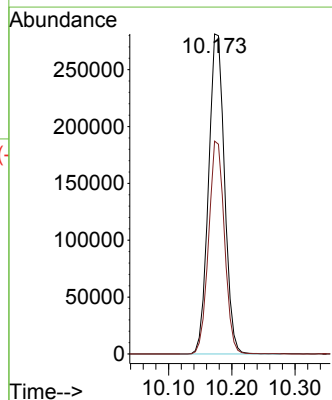
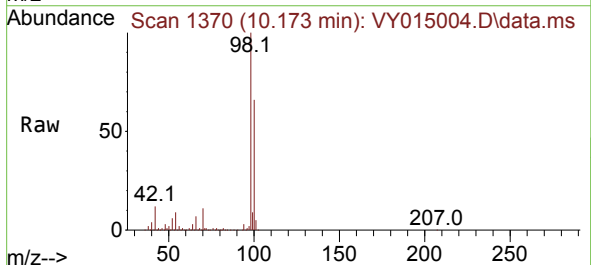


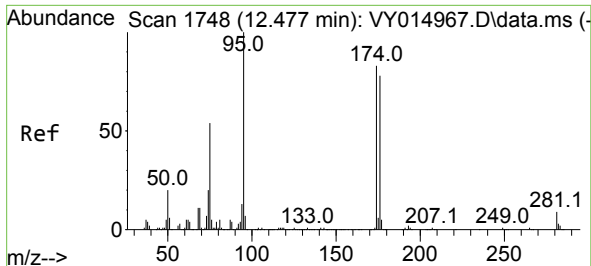
Tgt Ion:117 Resp: 23821
Ion Ratio Lower Upper
117 100
119 3.8 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 48.721 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY015004.D
Acq: 09 Aug 2023 14:44

Tgt Ion: 98 Resp: 493824
Ion Ratio Lower Upper
98 100
100 65.9 50.1 75.1

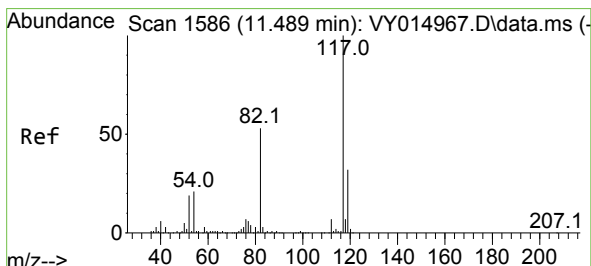
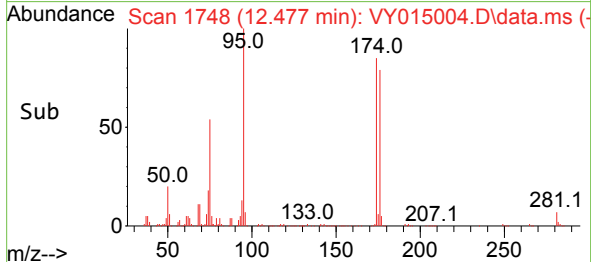
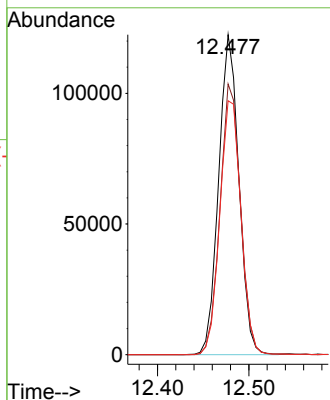
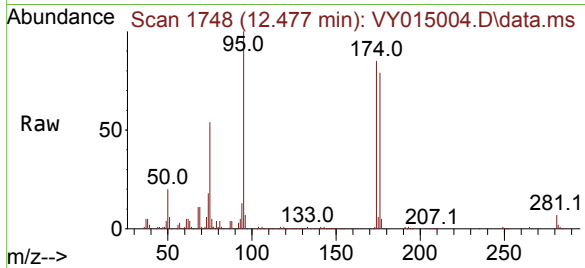




#62
4-Bromofluorobenzene
Concen: 52.491 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015004.D
Acq: 09 Aug 2023 14:44

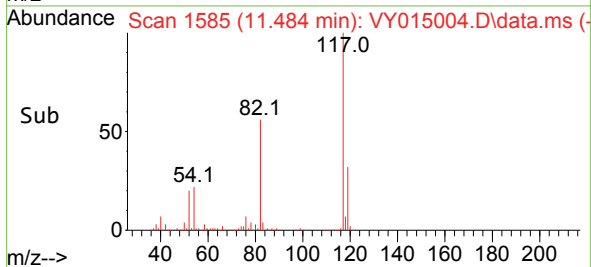
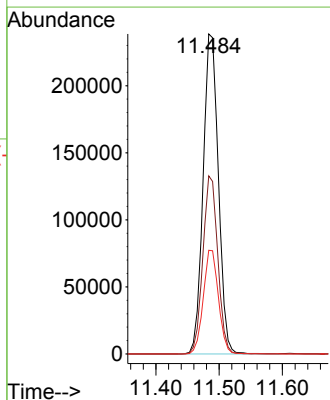
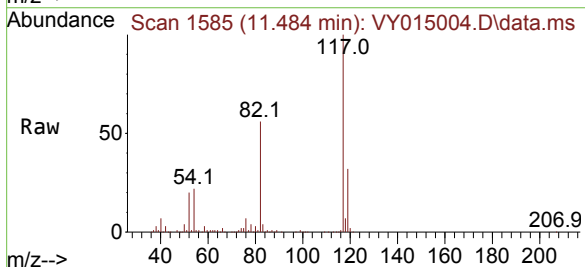
Instrument :
MSVOA_Y
ClientSampleId :
ORA-1748-1719-1750-1751-1752-1753-1754

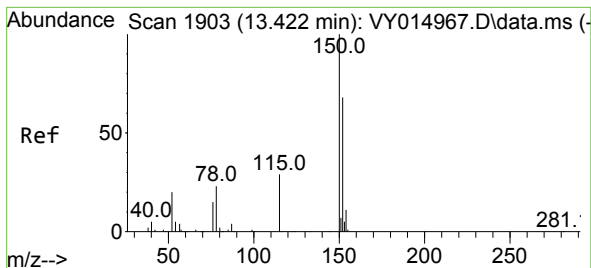
Tgt Ion: 95 Resp: 188566
Ion Ratio Lower Upper
95 100
174 85.9 0.0 178.2
176 83.2 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.484 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY015004.D
Acq: 09 Aug 2023 14:44

Tgt Ion: 117 Resp: 401193
Ion Ratio Lower Upper
117 100
82 55.7 43.4 65.0
119 32.4 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: VY015004.D

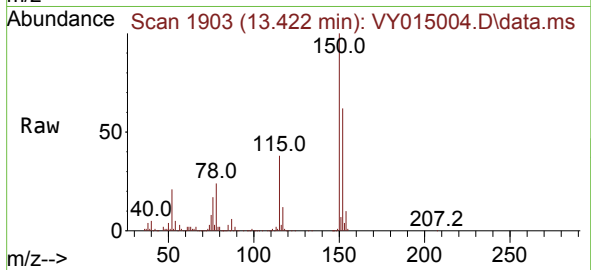
Acq: 09 Aug 2023 14:44

Instrument :

MSVOA_Y

ClientSampleId :

ORA-1748-1719-1750-1751-1752-1753-1754



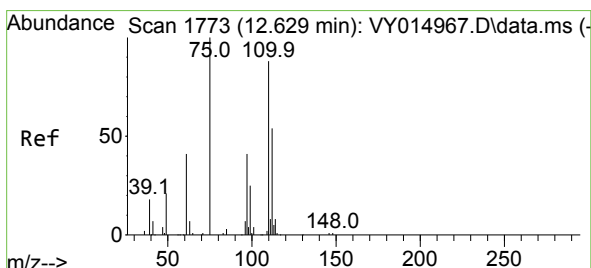
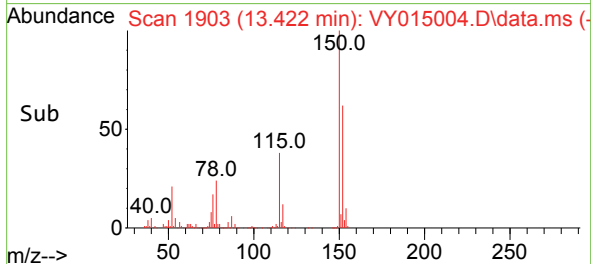
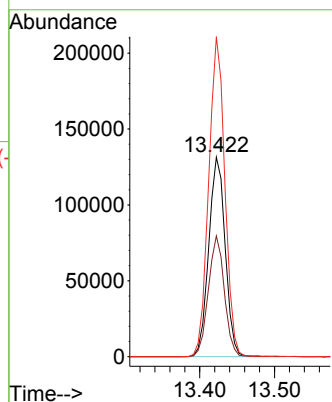
Tgt Ion:152 Resp: 201184

Ion Ratio Lower Upper

152 100

115 58.8 28.8 86.5

150 157.1 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 42.396 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015004.D

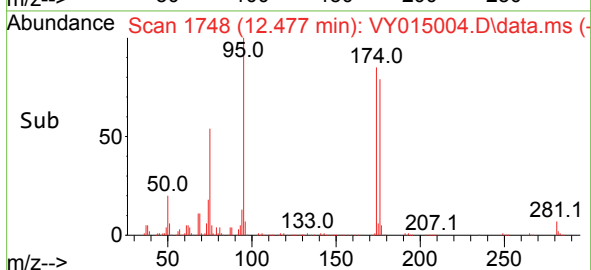
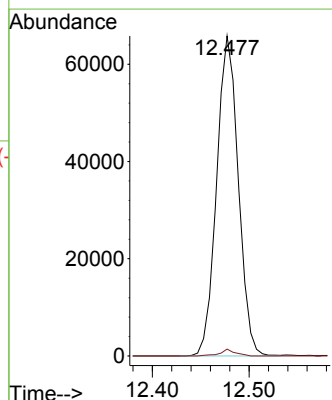
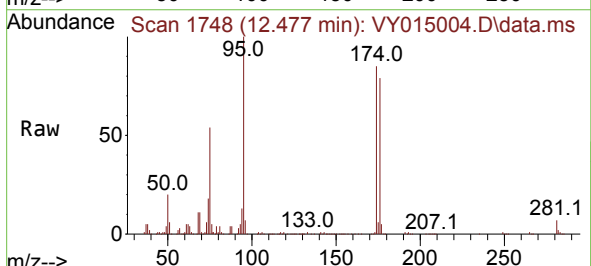
Acq: 09 Aug 2023 14:44

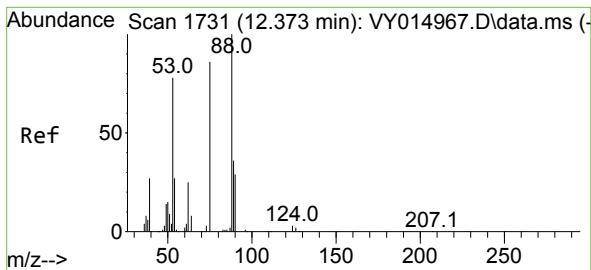
Tgt Ion: 75 Resp: 102203

Ion Ratio Lower Upper

75 100

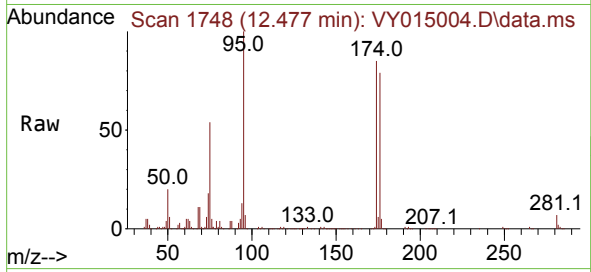
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.400 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY015004.D
 Acq: 09 Aug 2023 14:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 ORA-1748-1719-1750-1751-1752-1753-1754



Tgt Ion: 75 Resp: 102203
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

