

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052523\
 Data File : VY013867.D
 Acq On : 25 May 2023 12:52
 Operator : KP/MD
 Sample : 02891-01RE
 Misc : 4.72g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 290-328RE

Quant Time: May 25 15:20:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	101933	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	162726	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	159240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	67928	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	65278	55.355	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.700%
35) Dibromofluoromethane	7.722	113	58245	55.424	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.840%
50) Toluene-d8	10.185	98	197833	49.531	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.060%
62) 4-Bromofluorobenzene	12.483	95	57679	43.445	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.880%

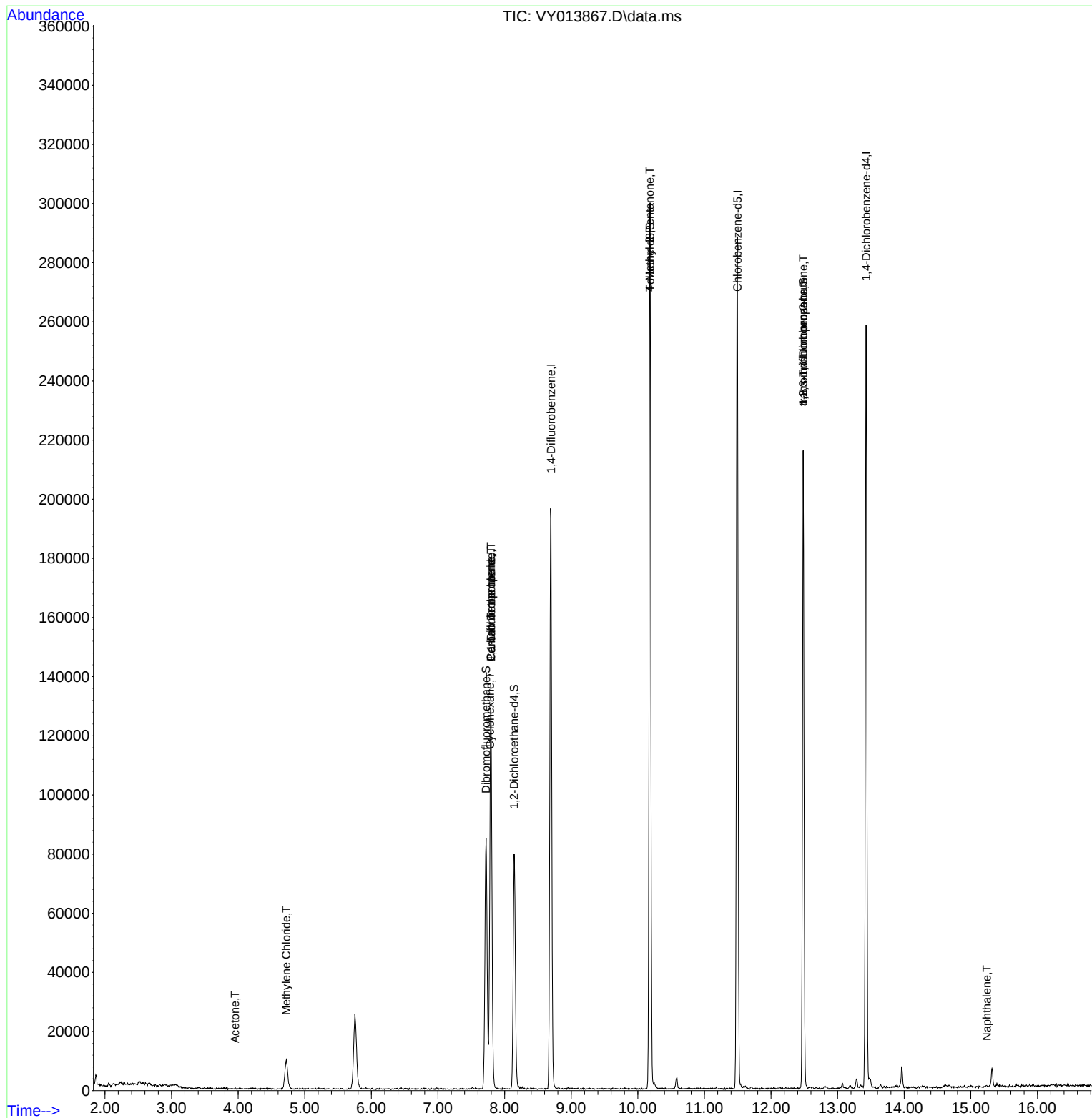
Target Compounds					Qvalue	
16) Acetone	3.954	43	404	1.154	ug/l #	46
20) Methylene Chloride	4.722	84	6807	3.103	ug/l	93
31) Cyclohexane	7.783	56	2313	1.277	ug/l #	74
36) 1,1-Dichloropropene	7.795	75	7469	4.666	ug/l #	51
38) Carbon Tetrachloride	7.795	117	9564	5.254	ug/l #	16
51) 4-Methyl-2-Pentanone	10.179	43	1013	1.068	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	32048	40.012	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	32048	86.853	ug/l #	10
95) Naphthalene	15.239	128	486	4.701	ug/l #	68

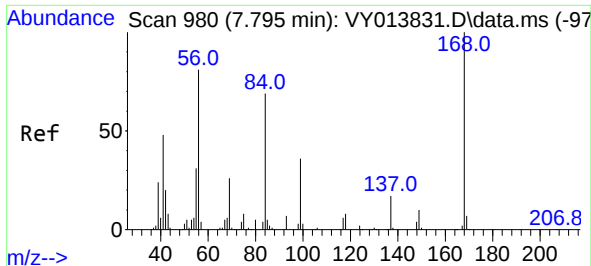
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052523\
Data File : VY013867.D
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290-328RE

Quant Time: May 25 15:20:57 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
Quant Title : SW846 8260
QLast Update : Wed May 24 05:25:47 2023
Response via : Initial Calibration

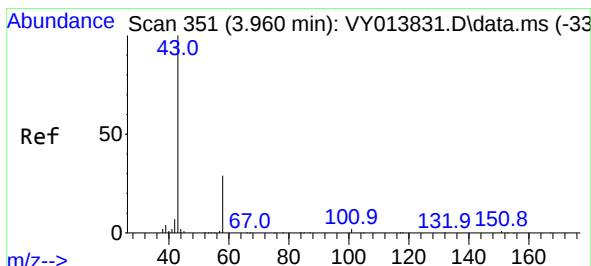
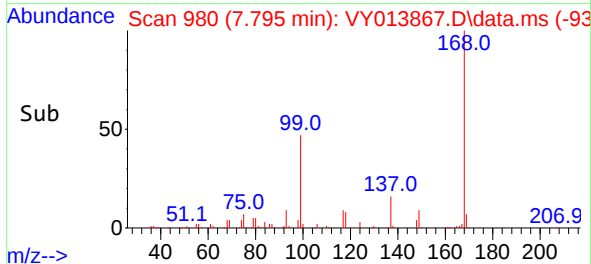
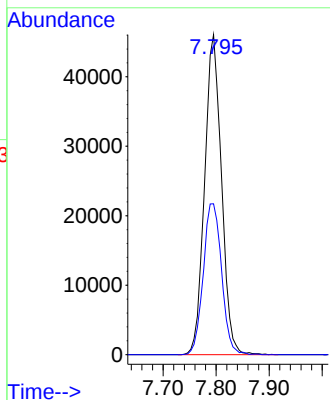
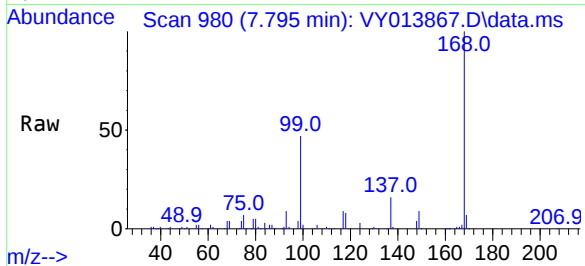




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013867.D
Acq: 25 May 2023 12:52

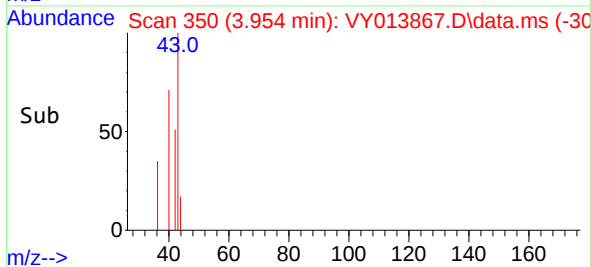
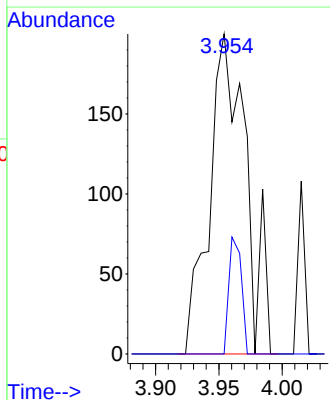
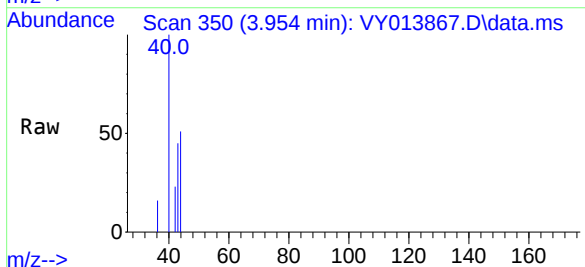
Instrument :
MSVOA_Y
ClientSampleId :
290-328RE

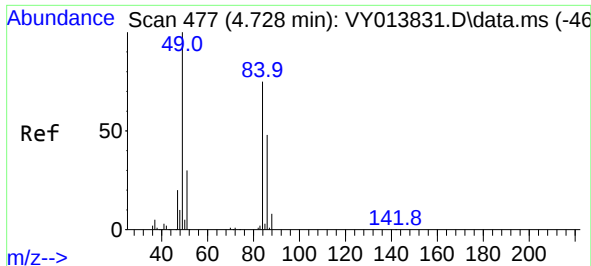
Tgt Ion:168 Resp: 101933
Ion Ratio Lower Upper
168 100
99 47.2 43.4 65.2



#16
Acetone
Concen: 1.154 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY013867.D
Acq: 25 May 2023 12:52

Tgt Ion: 43 Resp: 404
Ion Ratio Lower Upper
43 100
58 0.0 23.3 34.9#



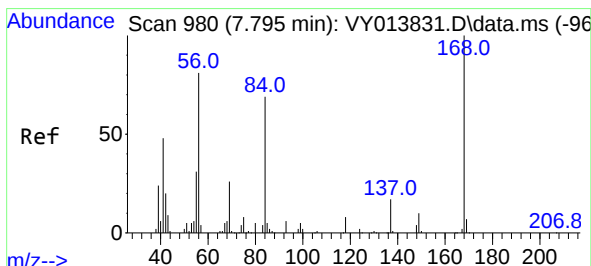
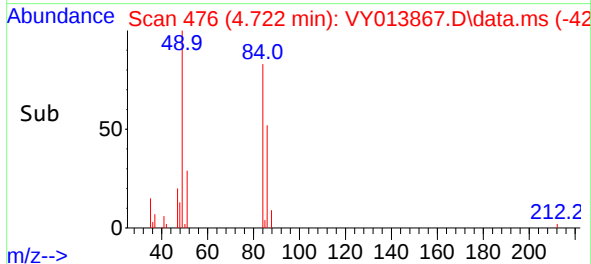
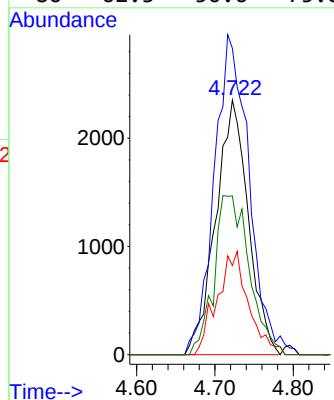
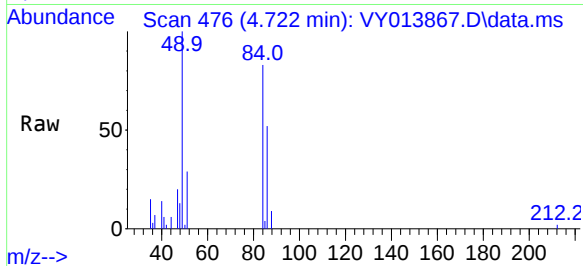


#20
Methylene Chloride
Concen: 3.103 ug/l
RT: 4.722 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013867.D
Acq: 25 May 2023 12:52

Instrument :
MSVOA_Y
ClientSampleId :
290-328RE

Tgt Ion: 84 Resp: 6807

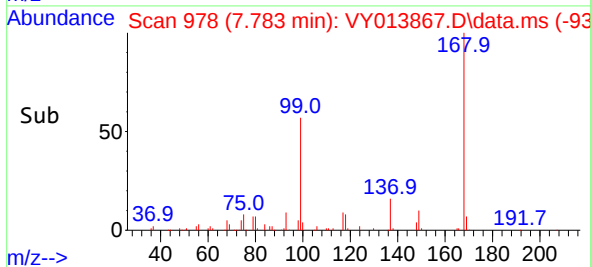
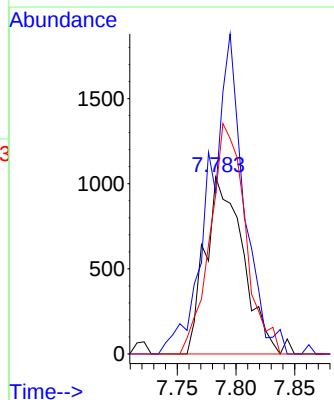
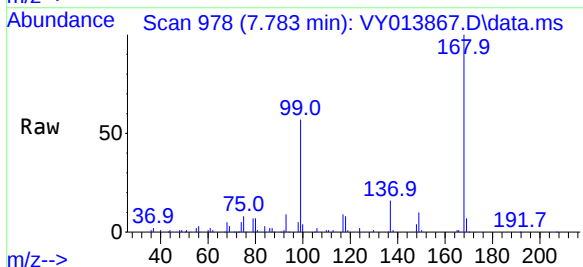
Ion	Ratio	Lower	Upper
84	100		
49	120.4	106.2	159.2
51	35.0	31.4	47.0
86	62.3	50.6	75.8

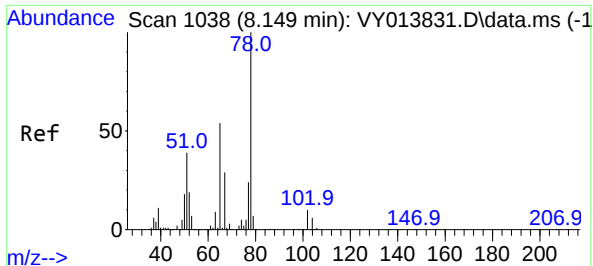


#31
Cyclohexane
Concen: 1.277 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.012 min
Lab File: VY013867.D
Acq: 25 May 2023 12:52

Tgt Ion: 56 Resp: 2313

Ion	Ratio	Lower	Upper
56	100		
69	77.1	25.8	38.8#
84	89.9	68.2	102.2





#33

1,2-Dichloroethane-d4

Concen: 55.355 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VY013867.D

Acq: 25 May 2023 12:52

Instrument :

MSVOA_Y

ClientSampleId :

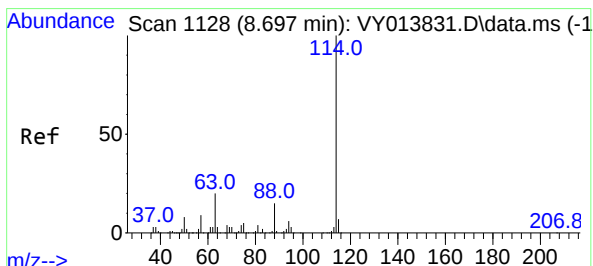
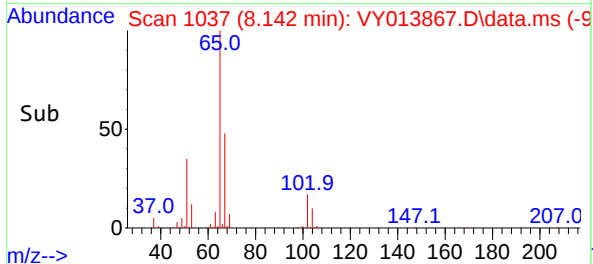
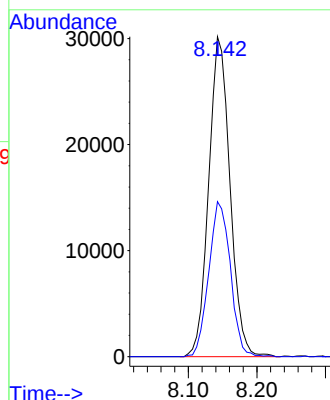
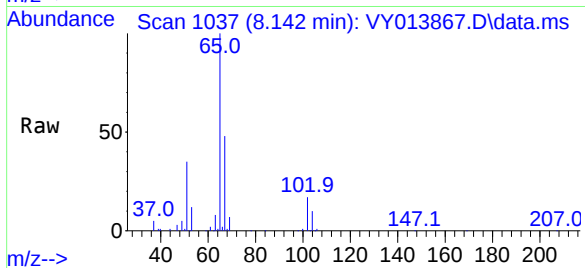
290-328RE

Tgt Ion: 65 Resp: 65278

Ion Ratio Lower Upper

65 100

67 49.2 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VY013867.D

Acq: 25 May 2023 12:52

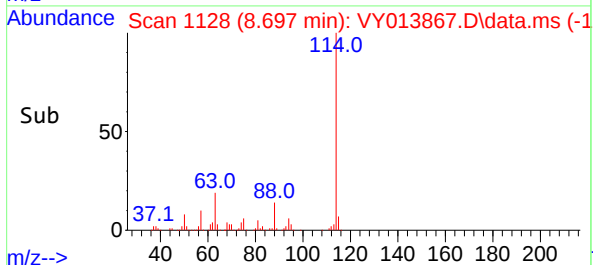
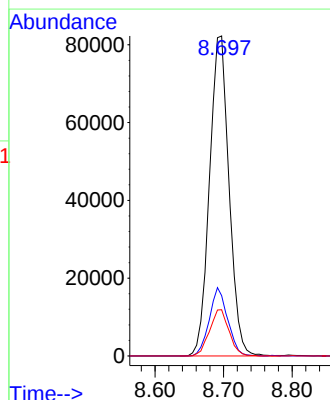
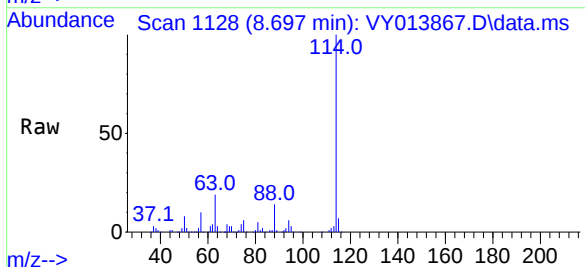
Tgt Ion: 114 Resp: 162726

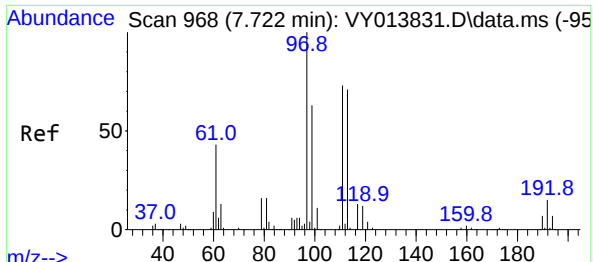
Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.2

88 14.4 0.0 30.0

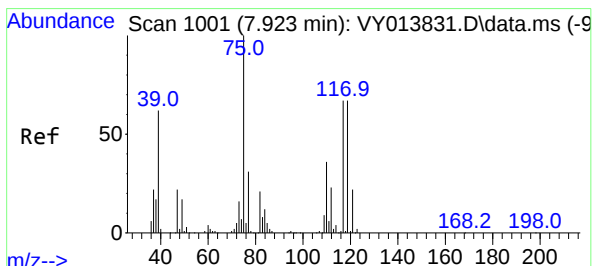
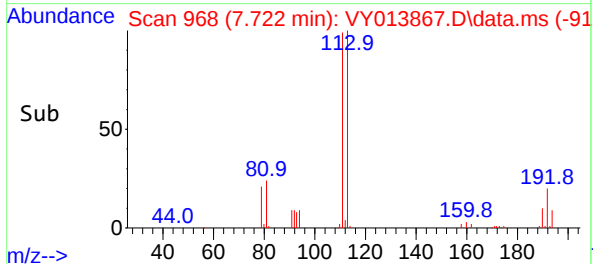
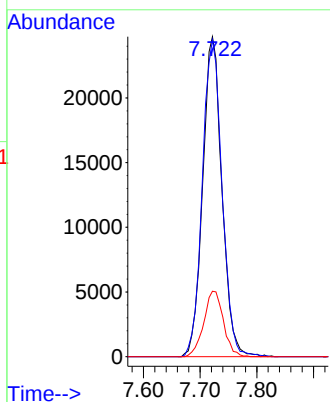
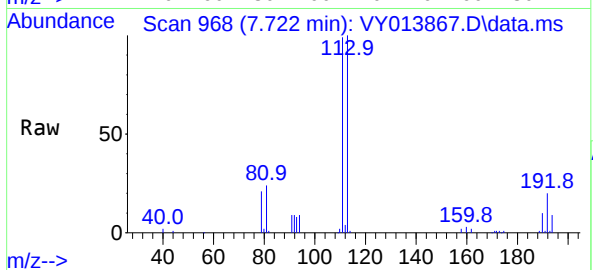




#35
Dibromofluoromethane
Concen: 55.424 ug/l
RT: 7.722 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013867.D
Acq: 25 May 2023 12:52

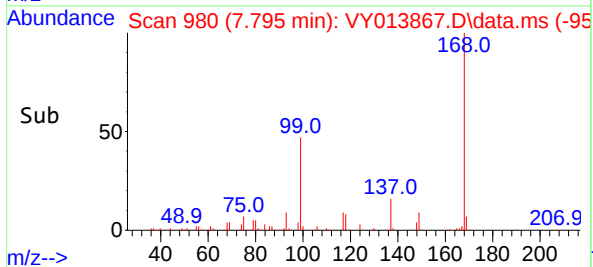
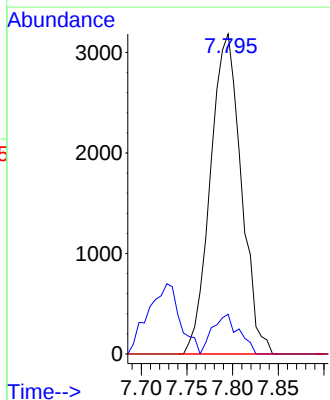
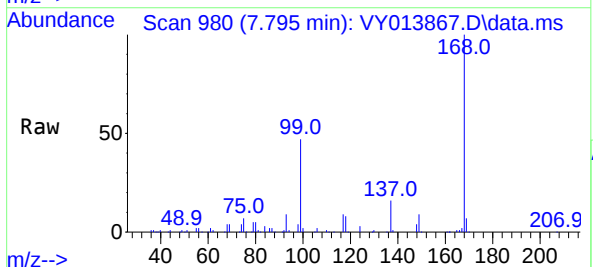
Instrument :
MSVOA_Y
ClientSampleId :
290-328RE

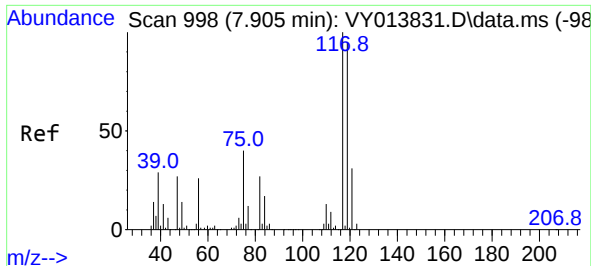
Tgt Ion:113 Resp: 58245
Ion Ratio Lower Upper
113 100
111 101.5 80.4 120.6
192 20.9 16.6 25.0



#36
1,1-Dichloropropene
Concen: 4.666 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY013867.D
Acq: 25 May 2023 12:52

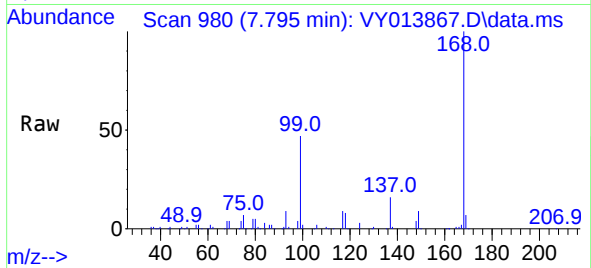
Tgt Ion: 75 Resp: 7469
Ion Ratio Lower Upper
75 100
110 10.5 17.5 52.6#
77 0.0 24.4 36.6#



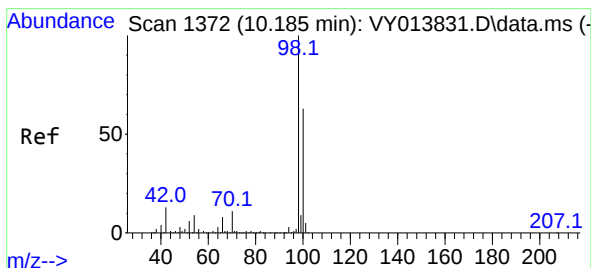
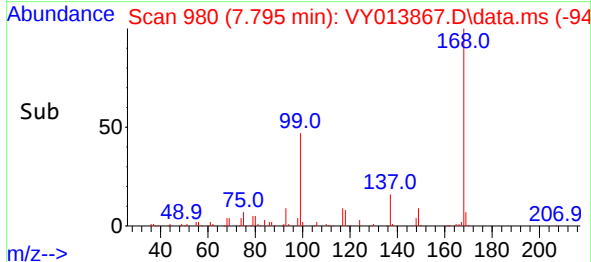
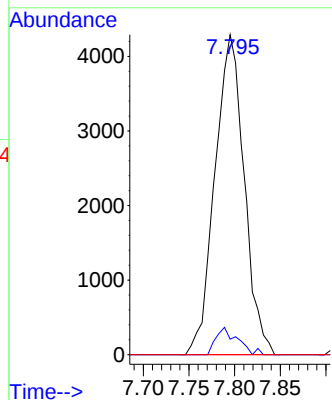


#38
Carbon Tetrachloride
Concen: 5.254 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013867.D
Acq: 25 May 2023 12:52

Instrument :
MSVOA_Y
ClientSampleId :
290-328RE

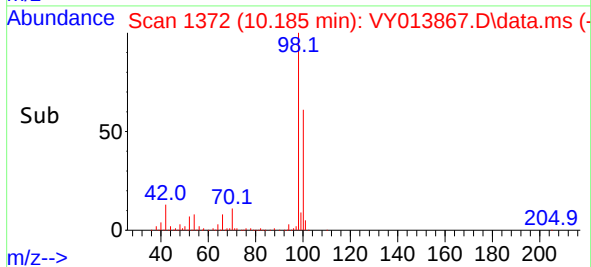
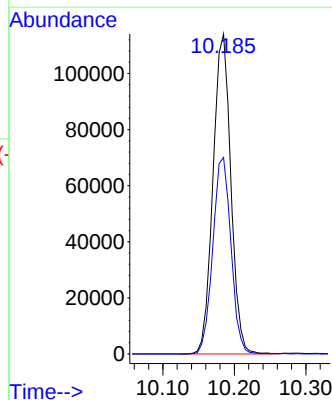
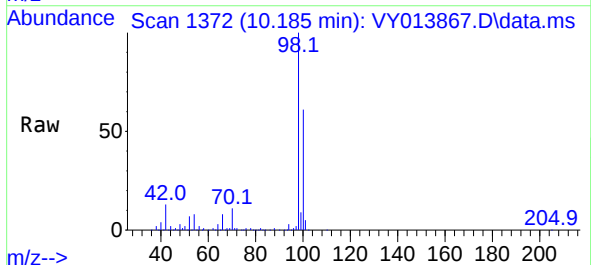


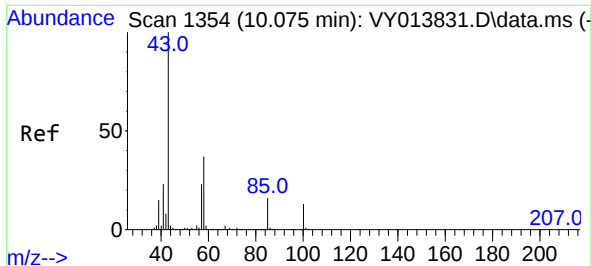
Tgt Ion:117 Resp: 9564
Ion Ratio Lower Upper
117 100
119 4.8 75.6 113.4#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 49.531 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY013867.D
Acq: 25 May 2023 12:52

Tgt Ion: 98 Resp: 197833
Ion Ratio Lower Upper
98 100
100 62.4 50.8 76.2

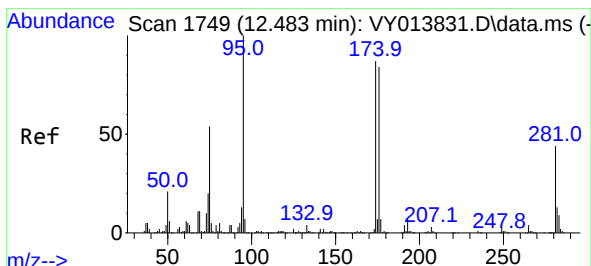
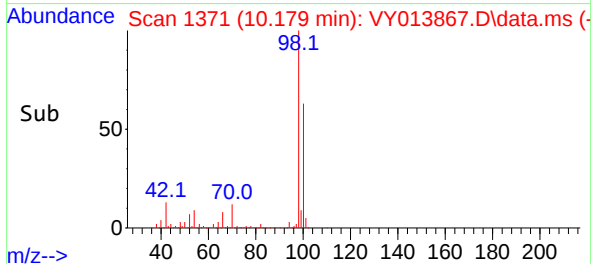
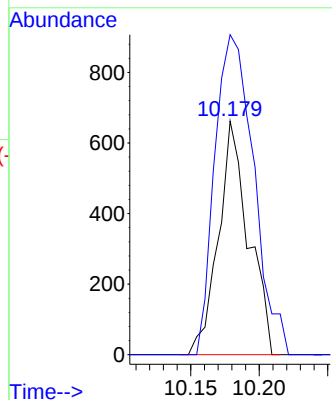
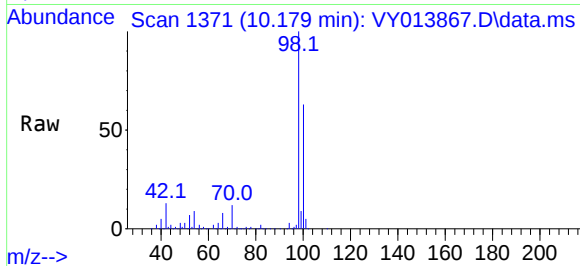




#51
4-Methyl-2-Pentanone
Concen: 1.068 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY013867.D
Acq: 25 May 2023 12:52

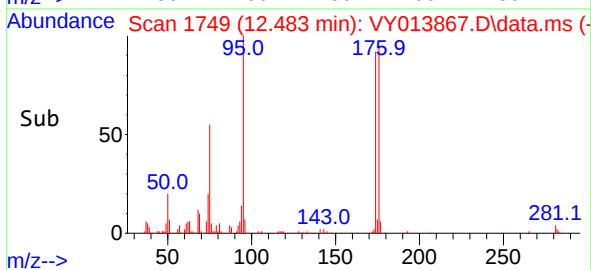
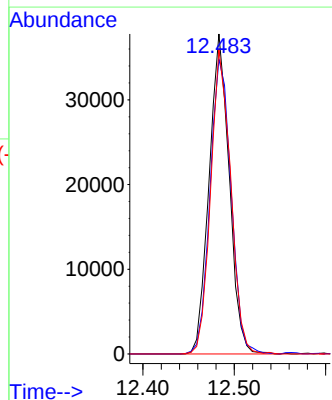
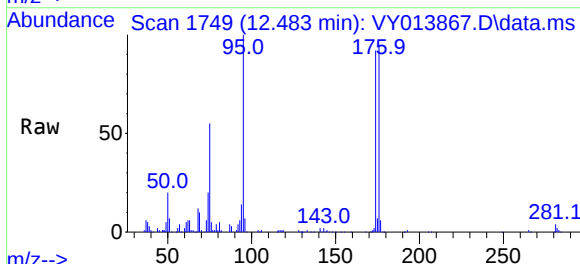
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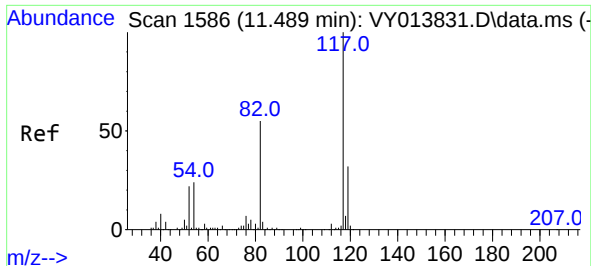
Tgt Ion: 43 Resp: 1013
Ion Ratio Lower Upper
43 100
58 176.9 29.1 43.7#



#62
4-Bromofluorobenzene
Concen: 43.445 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY013867.D
Acq: 25 May 2023 12:52

Tgt Ion: 95 Resp: 57679
Ion Ratio Lower Upper
95 100
174 96.4 0.0 176.0
176 94.5 0.0 170.2

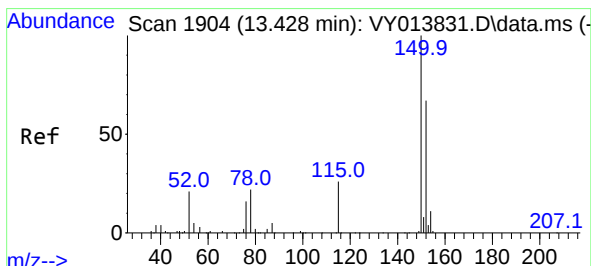
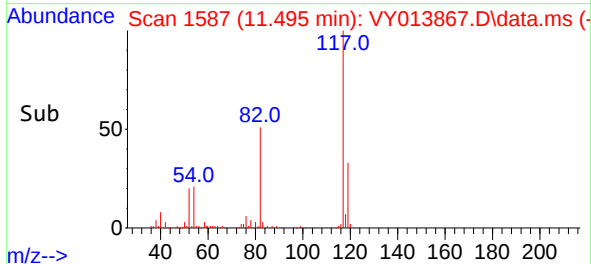
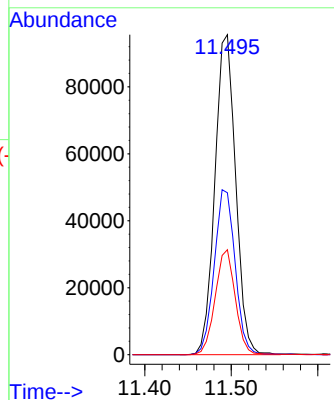
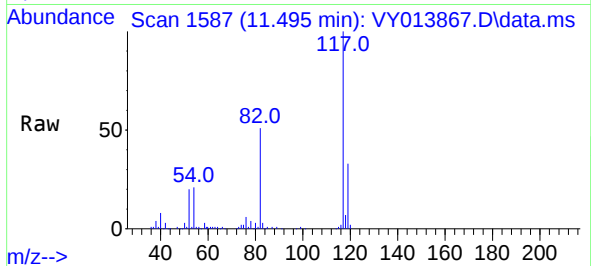




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1158
Delta R.T. 0.006 min
Lab File: VY013867.D
Acq: 25 May 2023 12:52

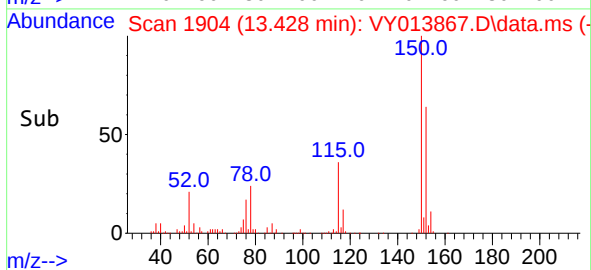
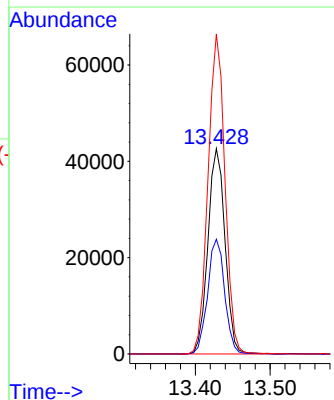
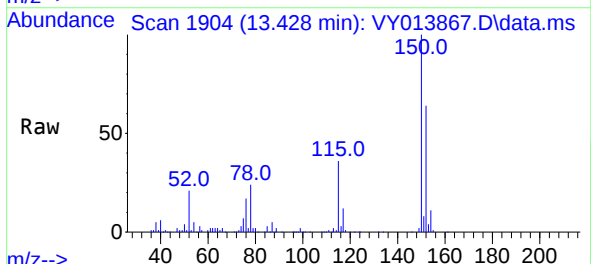
Instrument :
MSVOA_Y
ClientSampleId :
290-328RE

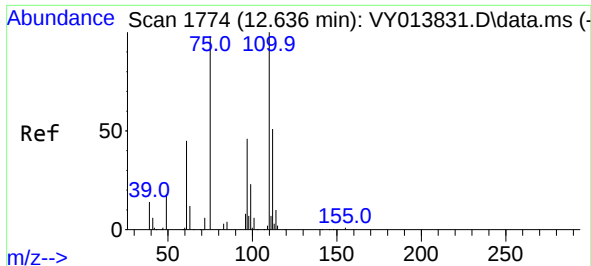
Tgt Ion:117 Resp: 159240
Ion Ratio Lower Upper
117 100
82 50.6 44.2 66.4
119 32.8 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY013867.D
Acq: 25 May 2023 12:52

Tgt Ion:152 Resp: 67928
Ion Ratio Lower Upper
152 100
115 55.7 28.8 86.5
150 153.8 0.0 353.4

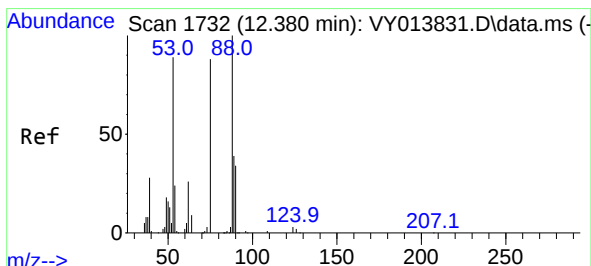
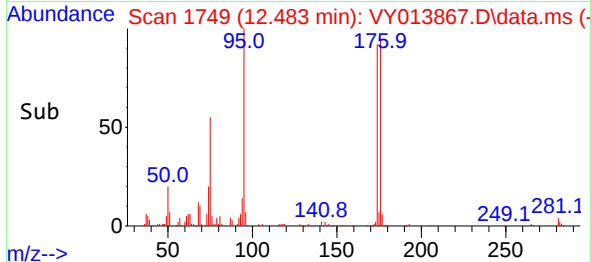
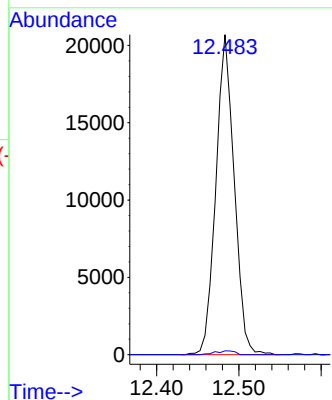
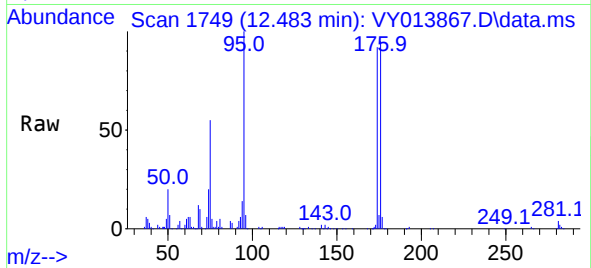




#76
1,2,3-Trichloropropane
Concen: 40.012 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY013867.D
Acq: 25 May 2023 12:52

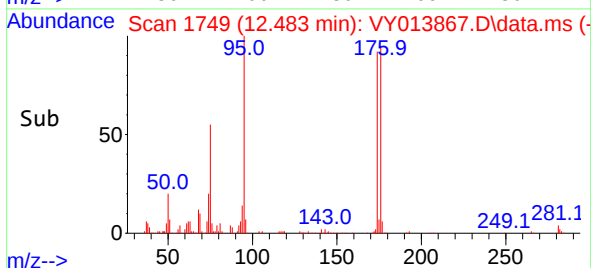
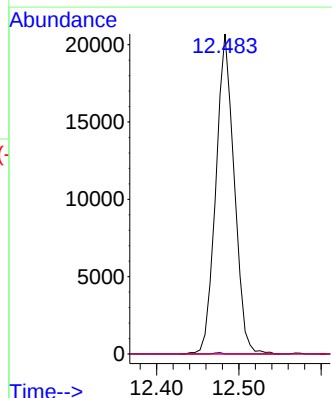
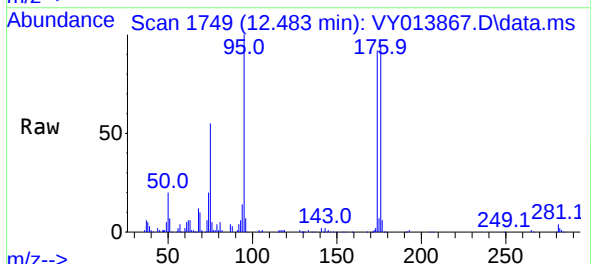
Instrument :
MSVOA_Y
ClientSampleId :
290-328RE

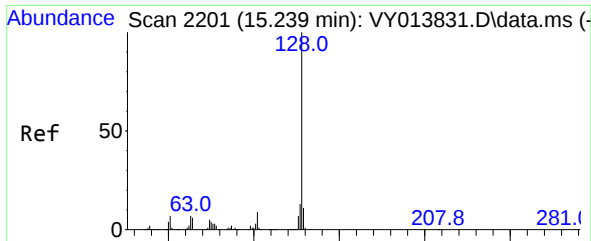
Tgt Ion: 75 Resp: 32048
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.853 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY013867.D
Acq: 25 May 2023 12:52

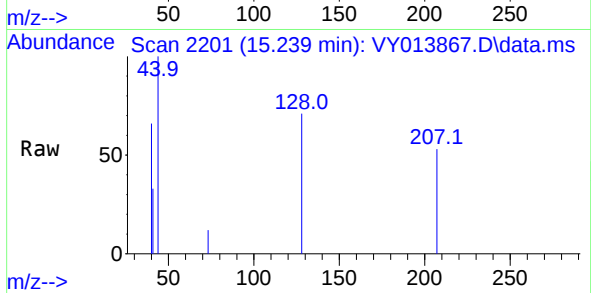
Tgt Ion: 75 Resp: 32048
Ion Ratio Lower Upper
75 100
53 0.2 79.7 119.5#
89 0.0 36.4 54.6#





#95
Naphthalene
Concen: 4.701 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY013867.D
Acq: 25 May 2023 12:52

Instrument :
MSVOA_Y
ClientSampleId :
290-328RE



Tgt Ion:	128	Resp:	486
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	9.0	13.4#

