

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020624\
 Data File : VY017264.D
 Acq On : 06 Feb 2024 15:02
 Operator : SY/MD
 Sample : P1356-01RE
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-3-020224RE

Quant Time: Feb 07 00:08:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020124S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 02 00:56:04 2024
 Response via : Initial Calibration

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

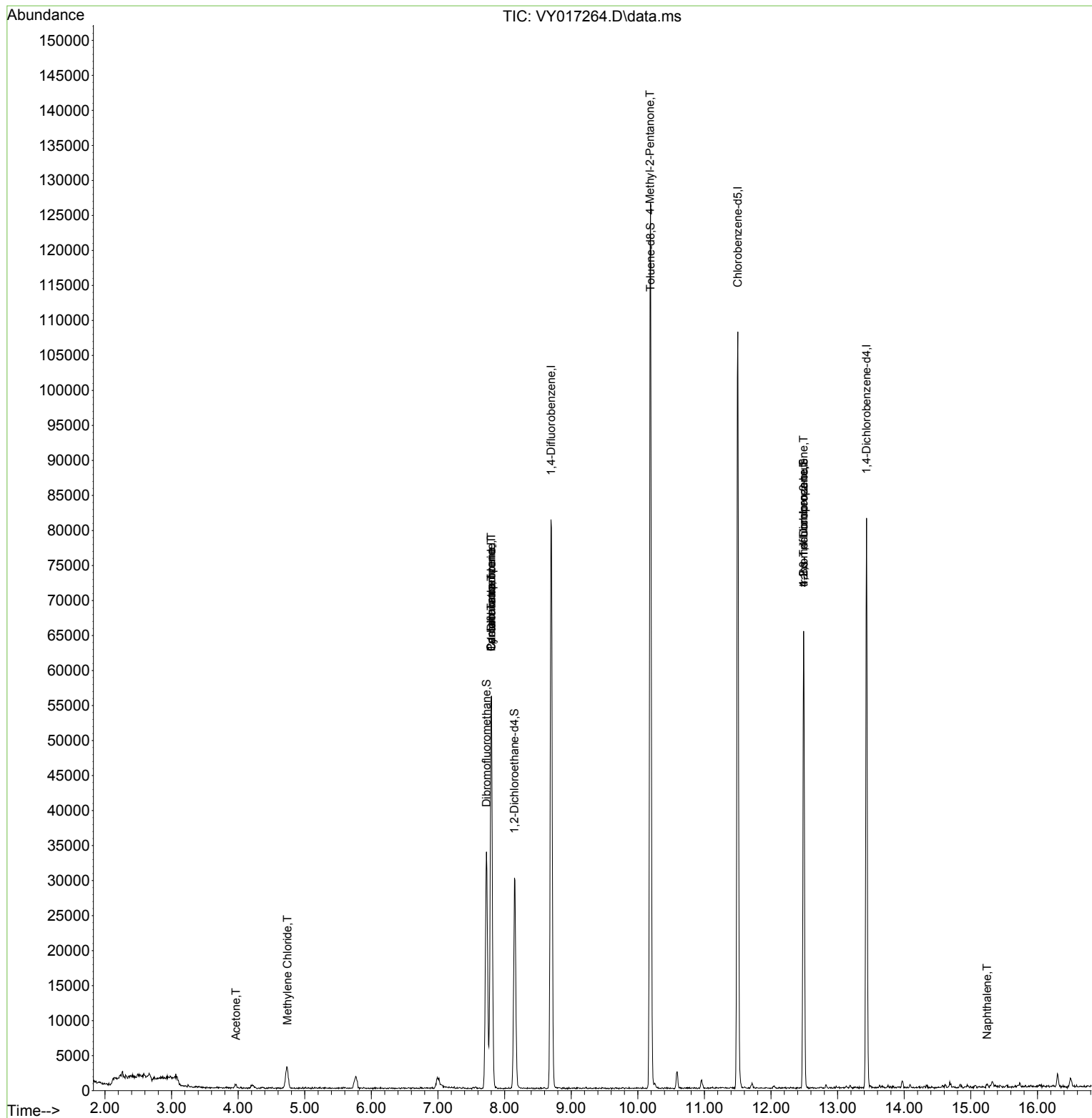
Internal Standards						
1) Pentafluorobenzene	7.801	168	41432	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	71305	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	58227	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	20004	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	22683	61.284	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery	= 122.560%		
35) Dibromofluoromethane	7.728	113	24478	63.579	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery	= 127.160%		
50) Toluene-d8	10.191	98	82331	58.734	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery	= 117.460%		
62) 4-Bromofluorobenzene	12.489	95	20465	44.567	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery	= 89.140%		
Target Compounds						
11) Tert butyl alcohol	4.972	59	64	Below Cal	#	75
16) Acetone	3.966	43	874	8.034	ug/l	99
20) Methylene Chloride	4.741	84	2348	1.900	ug/l #	72
31) Cyclohexane	7.801	56	999	1.339	ug/l #	1
36) 1,1-Dichloropropene	7.801	75	3744	5.638	ug/l #	48
38) Carbon Tetrachloride	7.801	117	4464	7.021	ug/l #	15
51) 4-Methyl-2-Pentanone	10.185	43	321	1.098	ug/l #	1
76) 1,2,3-Trichloropropane	12.489	75	10294	55.754	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	10294	115.849	ug/l #	12
95) Naphthalene	15.245	128	710	4.676	ug/l #	69

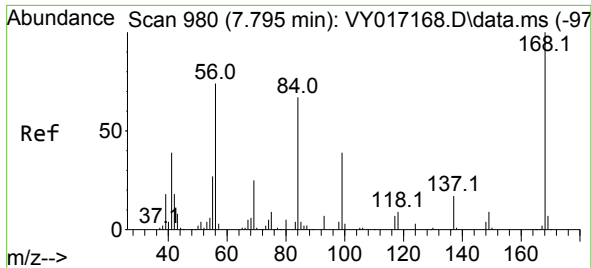
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

Instrument :
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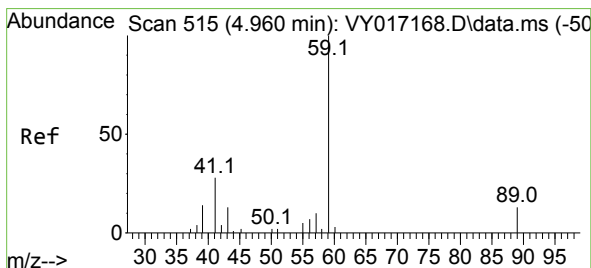
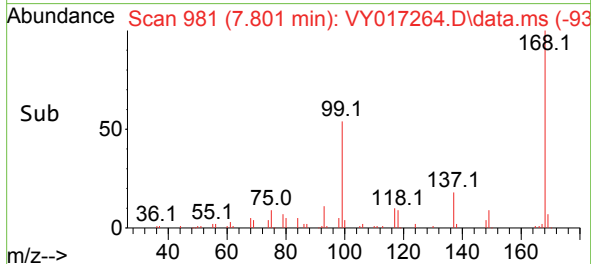
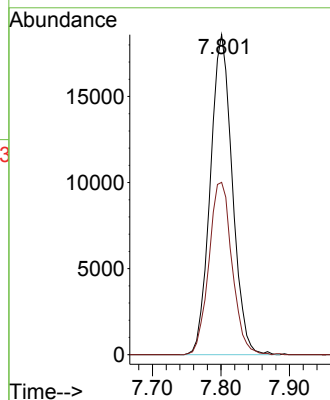
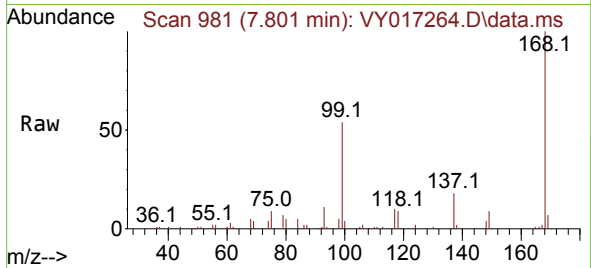




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017264.D
Acq: 06 Feb 2024 15:02

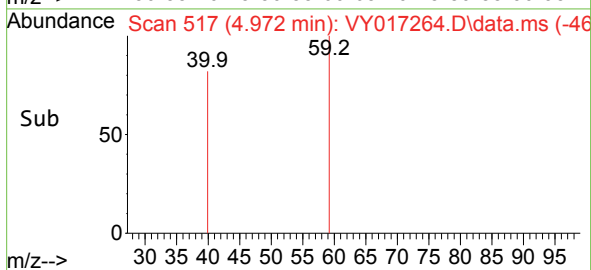
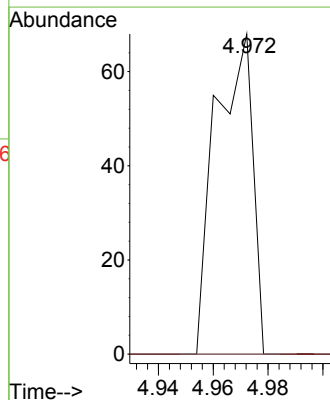
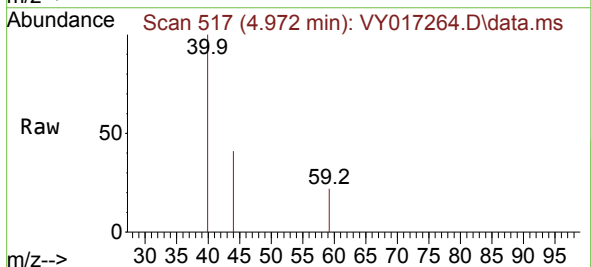
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-020224RE

Tgt Ion:168 Resp: 41432
Ion Ratio Lower Upper
168 100
99 53.8 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.972 min Scan# 517
Delta R.T. 0.012 min
Lab File: VY017264.D
Acq: 06 Feb 2024 15:02

Tgt Ion: 59 Resp: 64
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 8.034 ug/l

RT: 3.966 min Scan# 3

Delta R.T. 0.018 min

Lab File: VY017264.D

Acq: 06 Feb 2024 15:02

Instrument :

MSVOA_Y

ClientSampleId :

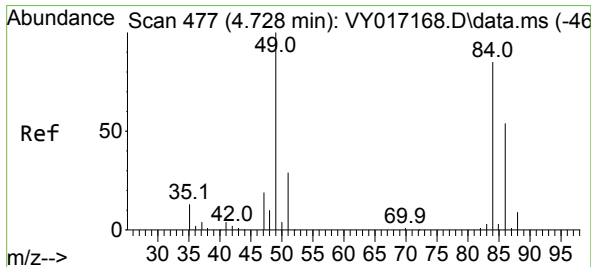
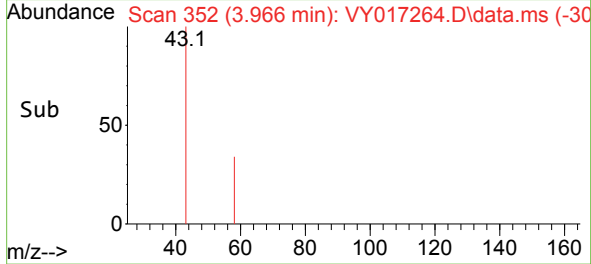
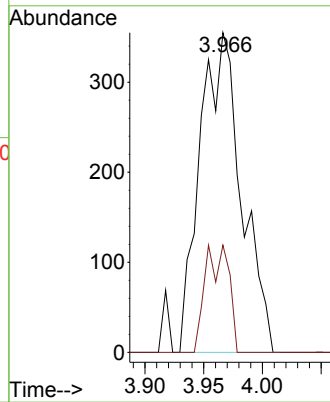
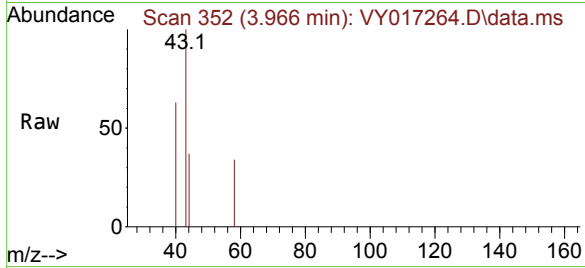
OR-3-020224RE

Tgt Ion: 43 Resp: 874

Ion Ratio Lower Upper

43 100

58 33.5 26.6 39.8



#20

Methylene Chloride

Concen: 1.900 ug/l

RT: 4.741 min Scan# 479

Delta R.T. 0.013 min

Lab File: VY017264.D

Acq: 06 Feb 2024 15:02

Tgt Ion: 84 Resp: 2348

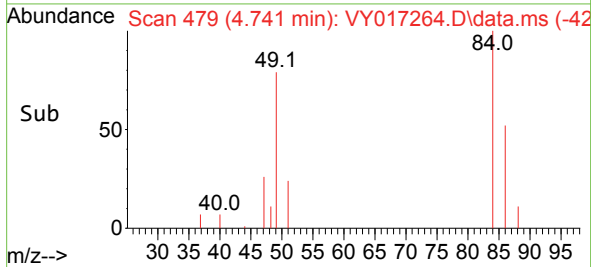
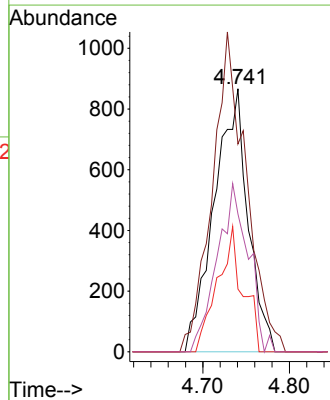
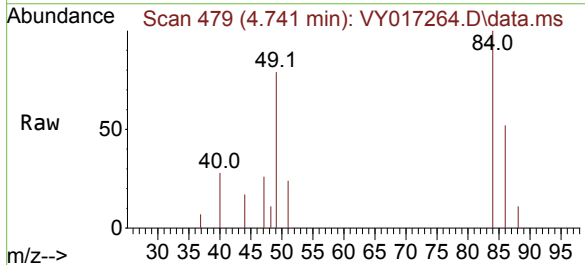
Ion Ratio Lower Upper

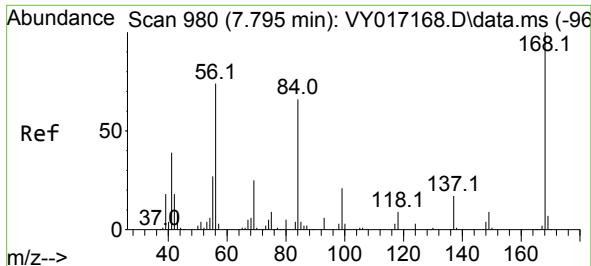
84 100

49 79.0 95.2 142.8#

51 23.9 29.9 44.9#

86 52.4 52.2 78.4

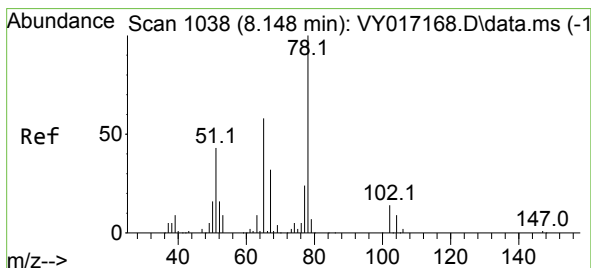
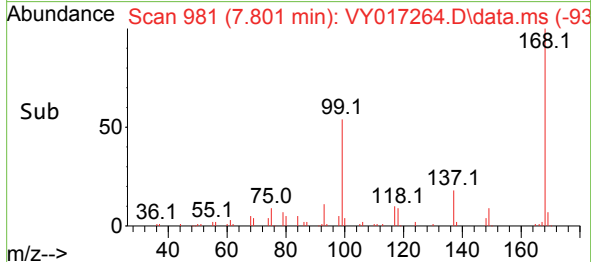
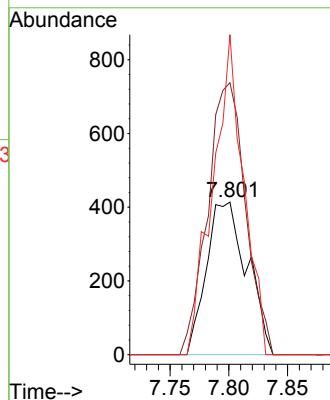
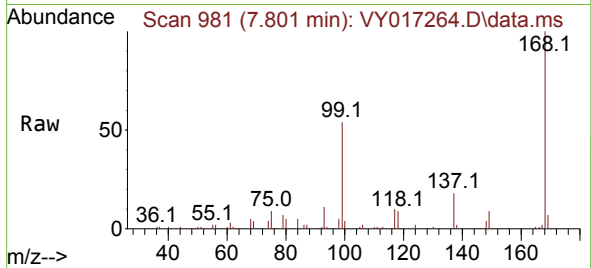




#31
Cyclohexane
Concen: 1.339 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY017264.D
Acq: 06 Feb 2024 15:02

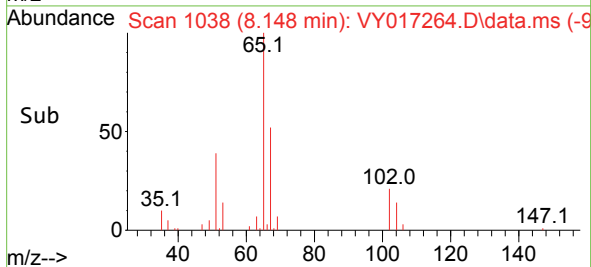
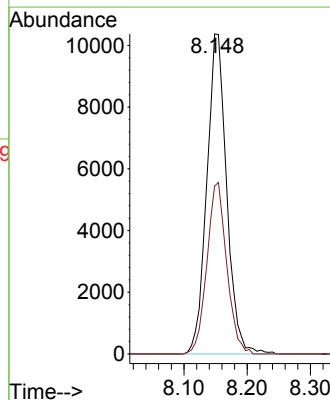
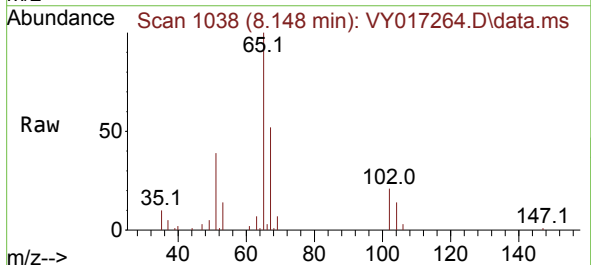
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-020224RE

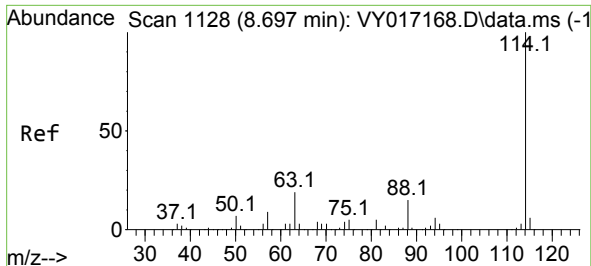
Tgt Ion: 56 Resp: 999
Ion Ratio Lower Upper
56 100
69 178.3 27.0 40.6#
84 209.7 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 61.284 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY017264.D
Acq: 06 Feb 2024 15:02

Tgt Ion: 65 Resp: 22683
Ion Ratio Lower Upper
65 100
67 53.3 0.0 109.0

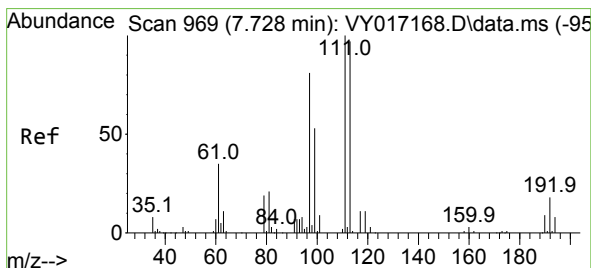
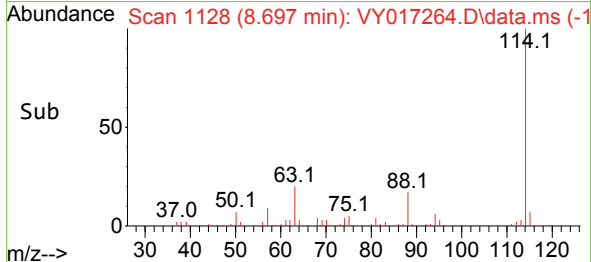
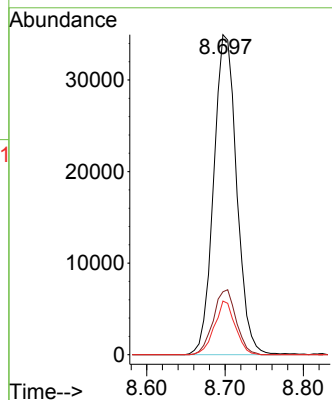
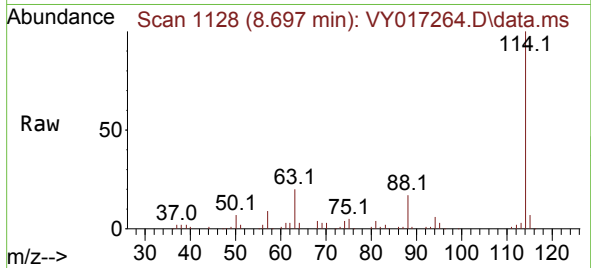




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY017264.D
Acq: 06 Feb 2024 15:02

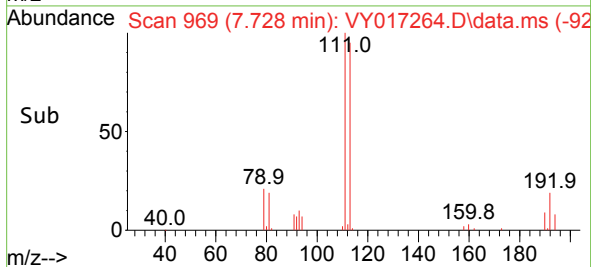
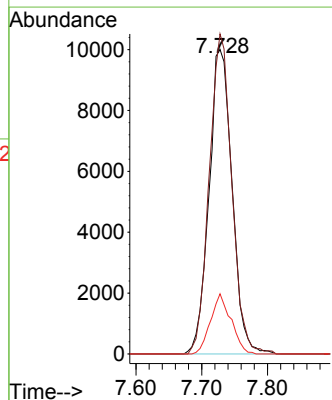
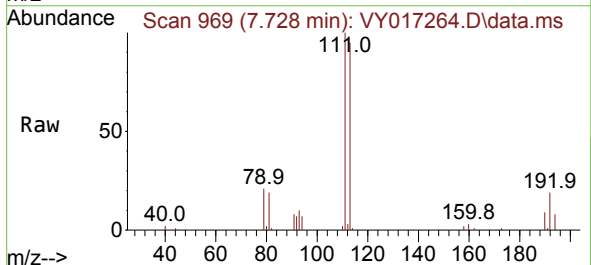
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-020224RE

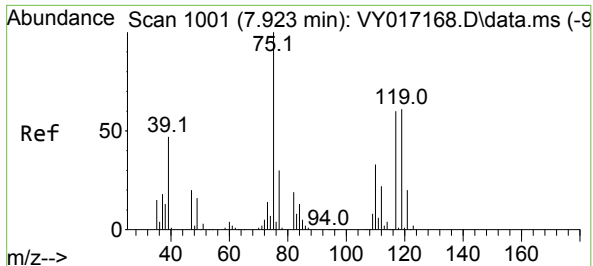
Tgt Ion:	114	Resp:	71305
Ion Ratio	Lower	Upper	
114	100		
63	19.7	0.0	37.4
88	16.7	0.0	29.0



#35
Dibromofluoromethane
Concen: 63.579 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY017264.D
Acq: 06 Feb 2024 15:02

Tgt Ion:	113	Resp:	24478
Ion Ratio	Lower	Upper	
113	100		
111	102.1	83.8	125.6
192	17.6	14.5	21.7

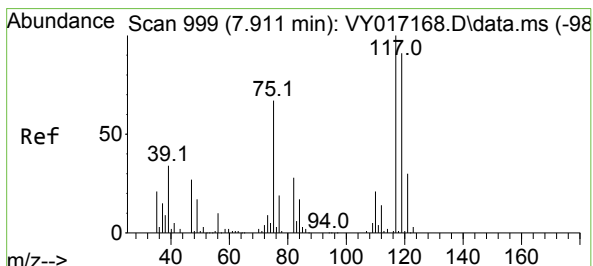
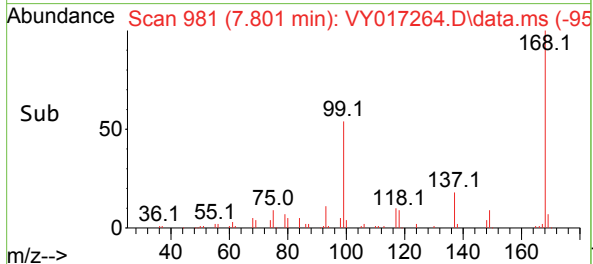
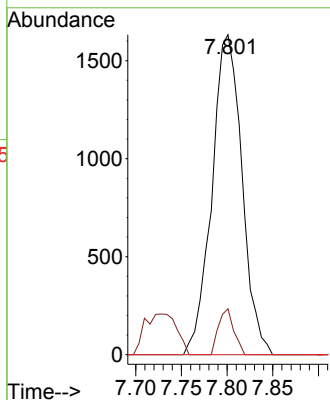
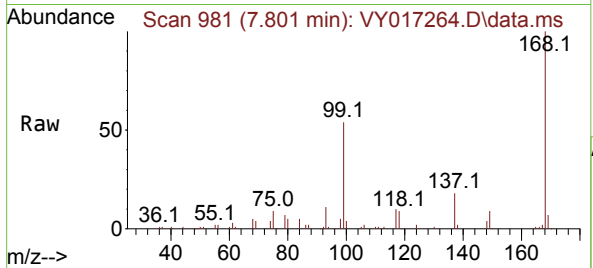




#36
1,1-Dichloropropene
Concen: 5.638 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY017264.D
Acq: 06 Feb 2024 15:02

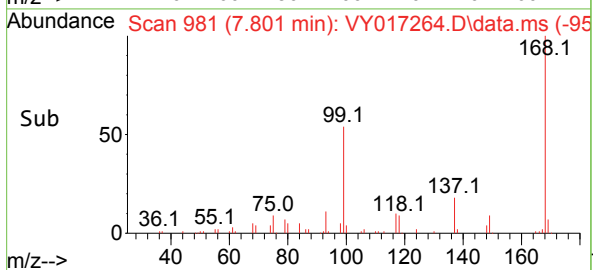
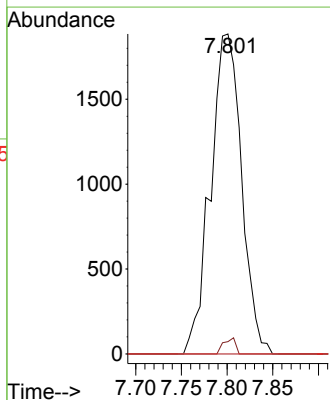
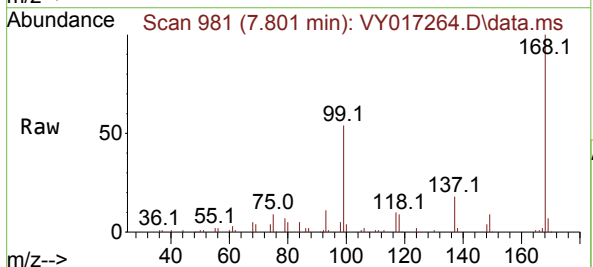
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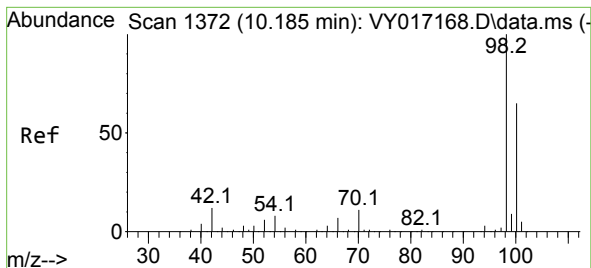
Tgt Ion: 75 Resp: 3744
Ion Ratio Lower Upper
75 100
110 7.3 17.4 52.3#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 7.021 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY017264.D
Acq: 06 Feb 2024 15:02

Tgt Ion: 117 Resp: 4464
Ion Ratio Lower Upper
117 100
119 3.8 76.0 114.0#
121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 58.734 ug/l

RT: 10.191 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY017264.D

Acq: 06 Feb 2024 15:02

Instrument :

MSVOA_Y

ClientSampleId :

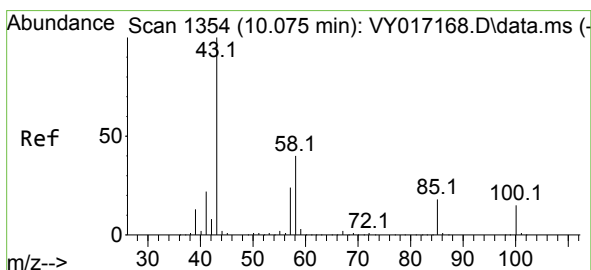
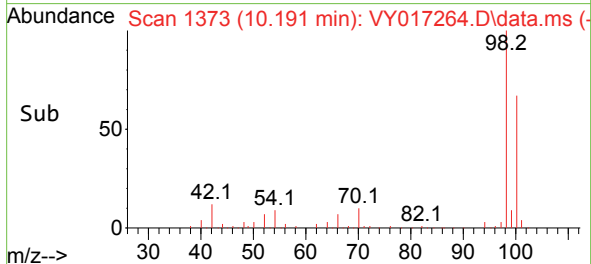
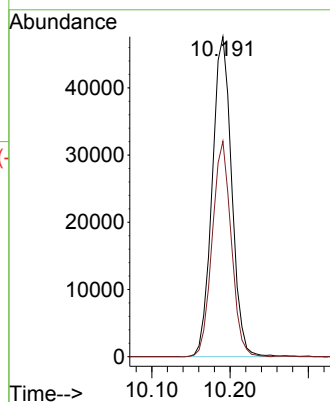
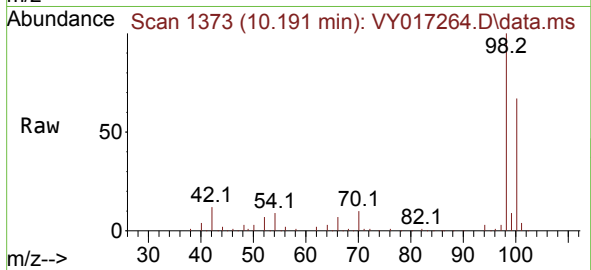
OR-3-020224RE

Tgt Ion: 98 Resp: 82331

Ion Ratio Lower Upper

98 100

100 65.5 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 1.098 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. 0.110 min

Lab File: VY017264.D

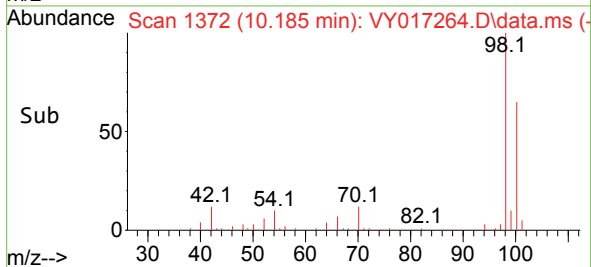
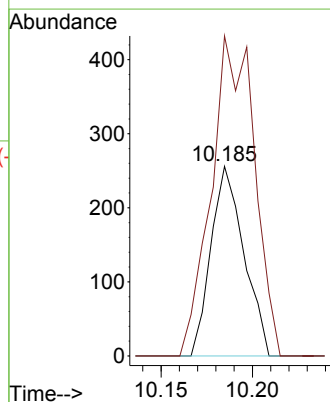
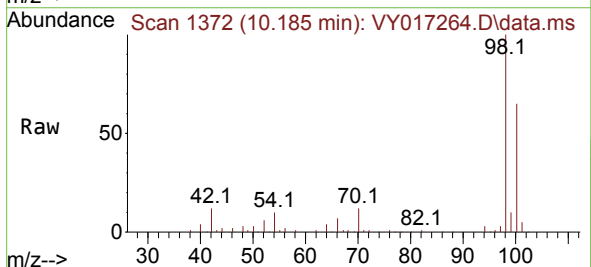
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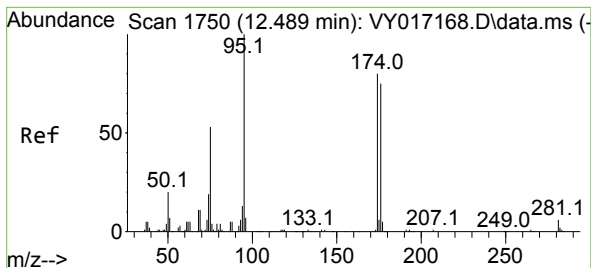
Tgt Ion: 43 Resp: 321

Ion Ratio Lower Upper

43 100

58 220.6 32.2 48.2#

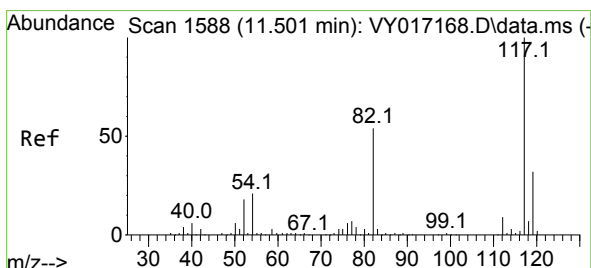
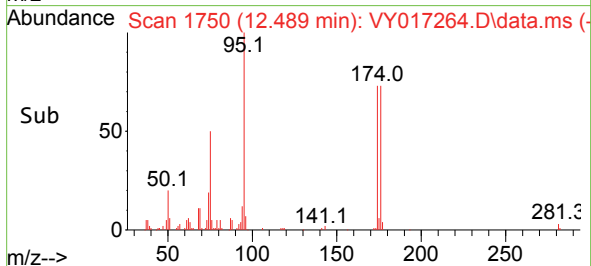
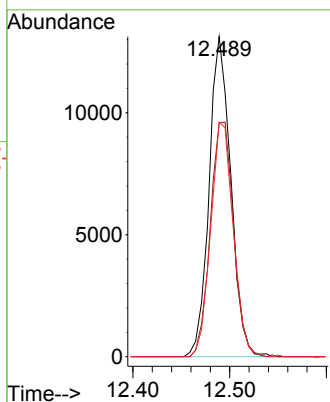
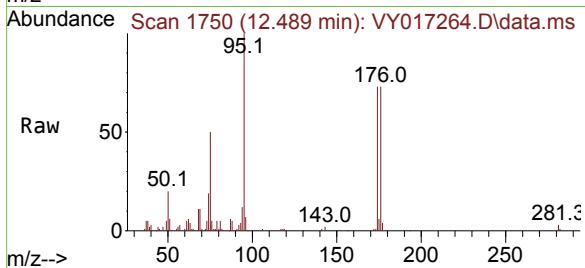




#62
4-Bromofluorobenzene
Concen: 44.567 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY017264.D
Acq: 06 Feb 2024 15:02

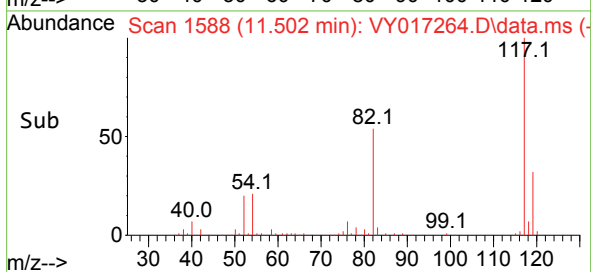
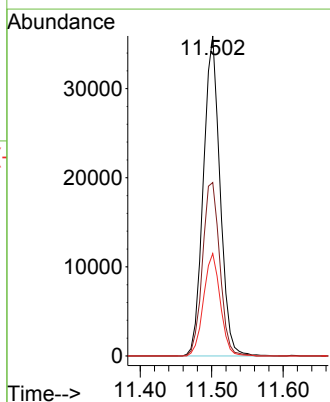
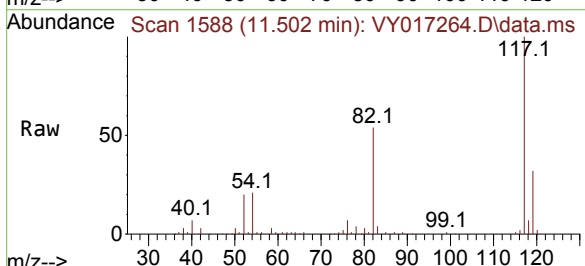
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-020224RE

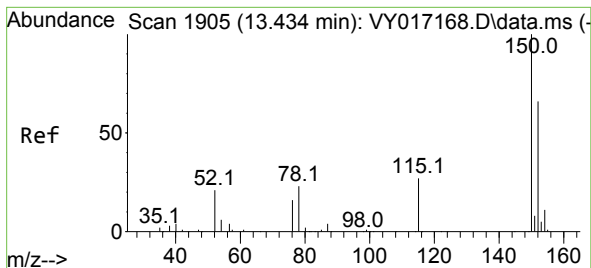
Tgt Ion:	95	Resp:	20465
Ion	Ratio	Lower	Upper
95	100		
174	78.2	0.0	160.0
176	75.8	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.000 min
Lab File: VY017264.D
Acq: 06 Feb 2024 15:02

Tgt Ion:	117	Resp:	58227
Ion	Ratio	Lower	Upper
117	100		
82	54.2	43.8	65.8
119	32.0	26.5	39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VY017264.D

Acq: 06 Feb 2024 15:02

Instrument :

MSVOA_Y

ClientSampleId :

OR-3-020224RE

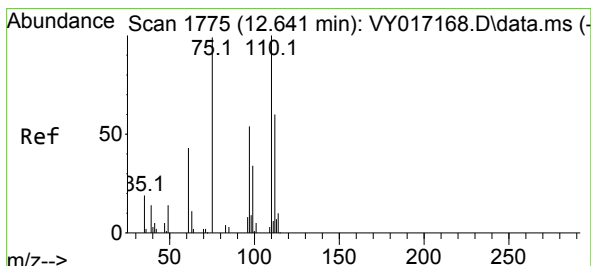
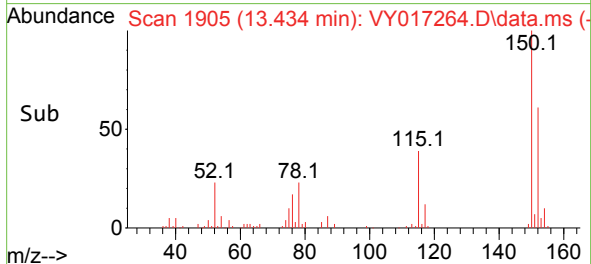
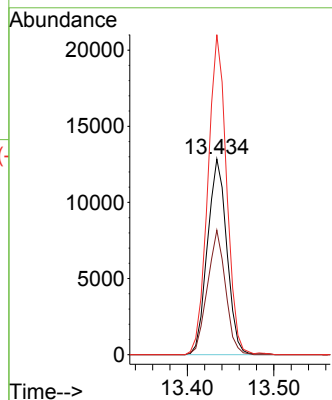
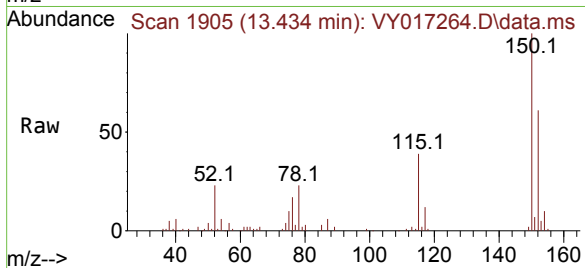
Tgt Ion:152 Resp: 20004

Ion Ratio Lower Upper

152 100

115 59.4 30.0 90.0

150 157.8 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 55.754 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.152 min

Lab File: VY017264.D

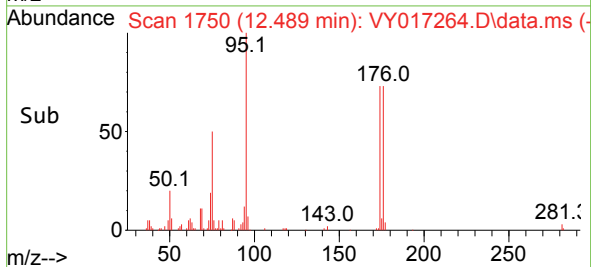
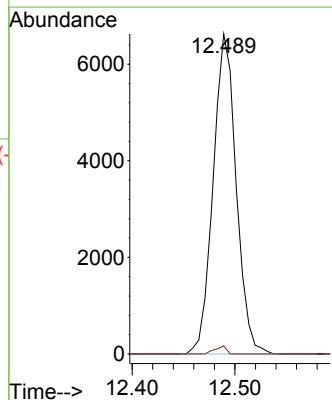
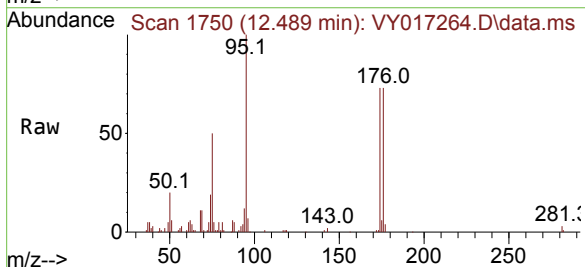
Acq: 06 Feb 2024 15:02

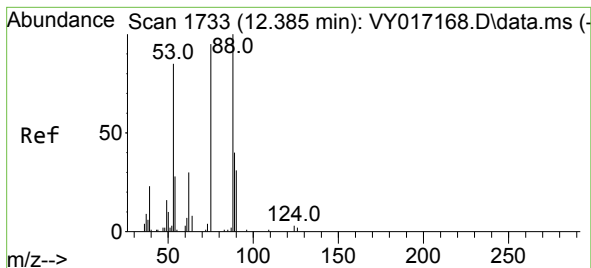
Tgt Ion: 75 Resp: 10294

Ion Ratio Lower Upper

75 100

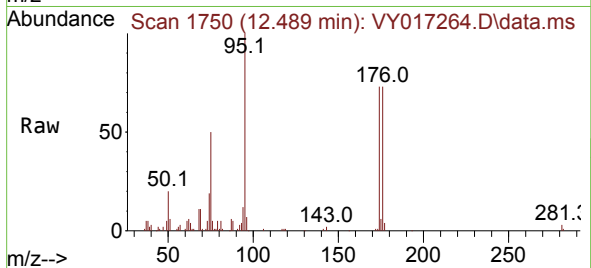
77 1.2 0.0 0.0#



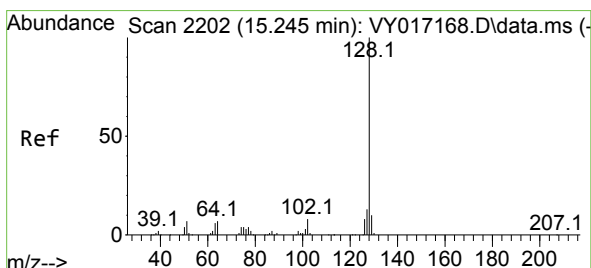
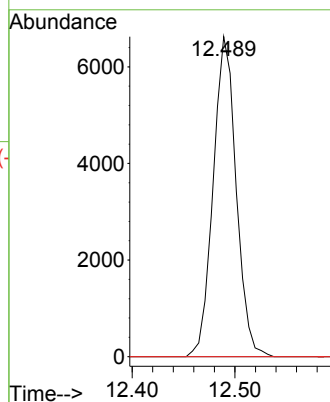
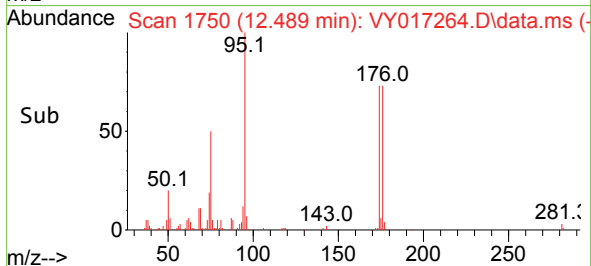


#81
trans-1,4-Dichloro-2-butene
Concen: 115.849 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY017264.D
Acq: 06 Feb 2024 15:02

Instrument :
MSVOA_Y
ClientSampleId :
OR-3-020224RE



Tgt Ion: 75 Resp: 10294
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#95
Naphthalene
Concen: 4.676 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY017264.D
Acq: 06 Feb 2024 15:02

Tgt Ion: 128 Resp: 710
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.6 12.8#

