

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082223\
 Data File : VY015244.D
 Acq On : 22 Aug 2023 15:04
 Operator : SY/MD
 Sample : 04082-03
 Misc : 4.97g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 364

Quant Time: Aug 23 00:49:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

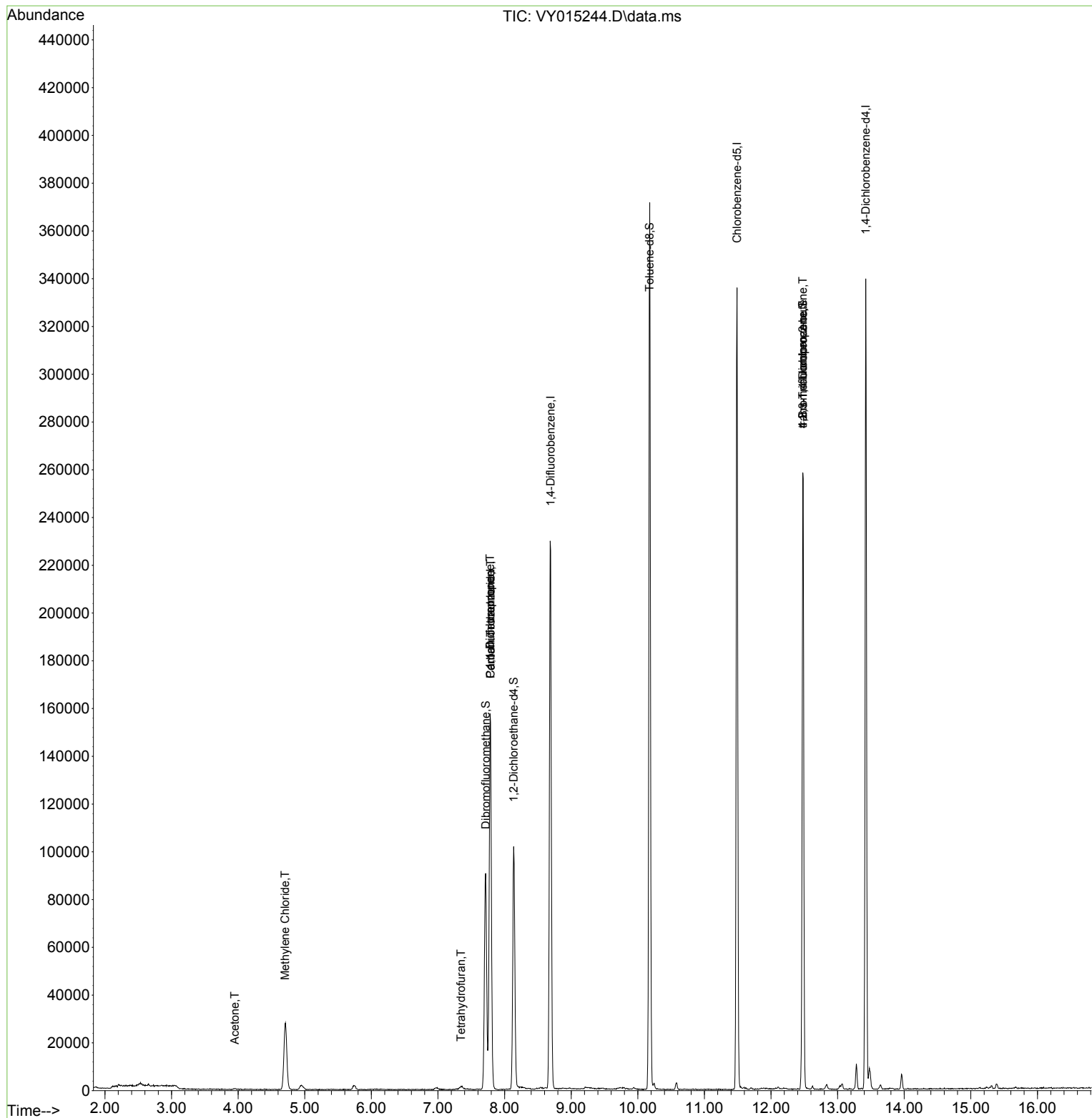
Internal Standards						
1) Pentafluorobenzene	7.789	168	122250	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	200929	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	178930	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	83721	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	78396	53.422	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.840%	
35) Dibromofluoromethane	7.715	113	63518	49.138	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.280%	
50) Toluene-d8	10.178	98	235121	48.862	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.720%	
62) 4-Bromofluorobenzene	12.477	95	77153	43.898	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 87.800%	
Target Compounds						Qvalue
3) Chloromethane	2.113	50	213	Below Cal	#	43
5) Bromomethane	2.649	94	96	Below Cal		83
11) Tert butyl alcohol	4.954	59	3589	Below Cal	#	81
16) Acetone	3.948	43	695	1.450	ug/l #	46
20) Methylene Chloride	4.704	84	21548	15.790	ug/l #	88
29) Tetrahydrofuran	7.344	42	860	2.119	ug/l #	86
31) Cyclohexane	7.776	56	2687	Below Cal	#	32
36) 1,1-Dichloropropene	7.783	75	9537	6.669	ug/l #	50
38) Carbon Tetrachloride	7.789	117	12078	7.136	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	41909	41.202	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	41909	90.500	ug/l #	11

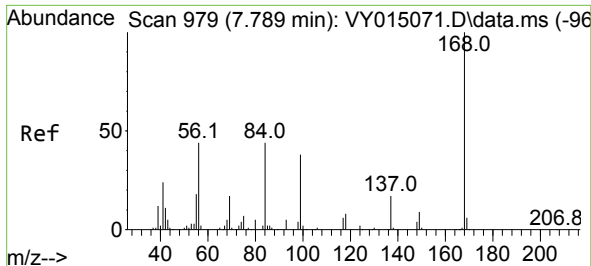
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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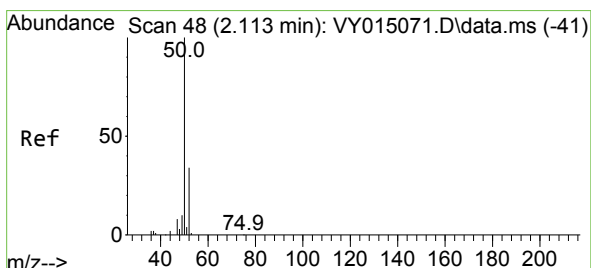
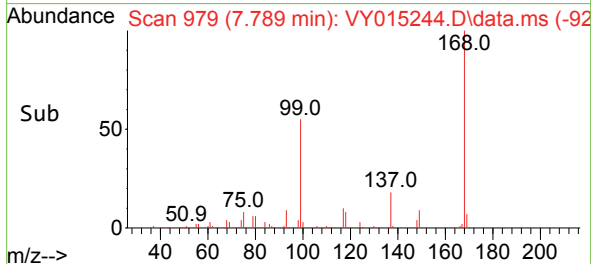
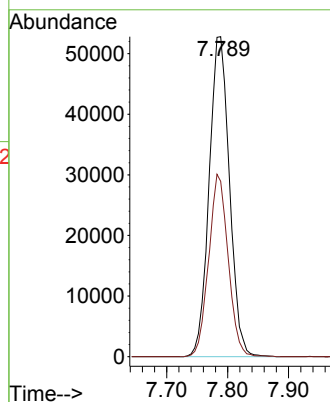
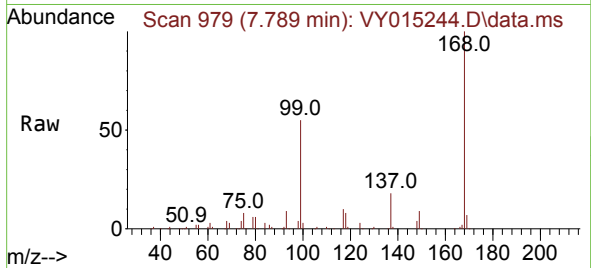




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015244.D
Acq: 22 Aug 2023 15:04

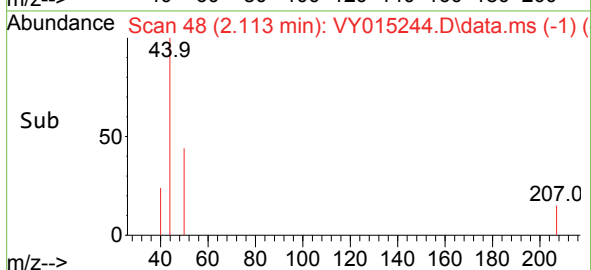
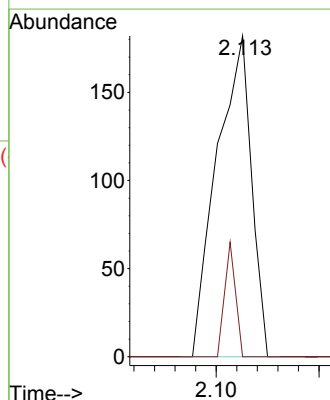
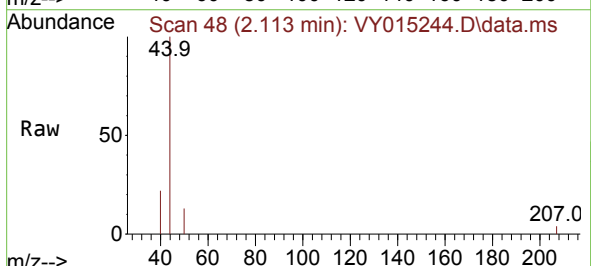
Instrument :
MSVOA_Y
ClientSampleId :
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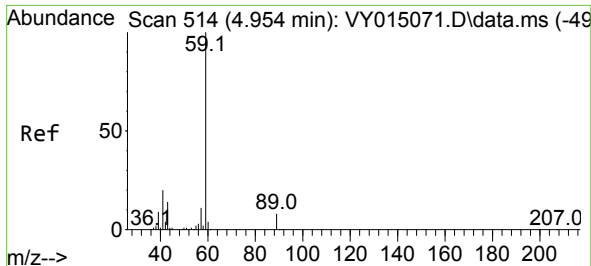
Tgt Ion:168 Resp: 122250
Ion Ratio Lower Upper
168 100
99 54.8 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY015244.D
Acq: 22 Aug 2023 15:04

Tgt Ion: 50 Resp: 213
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

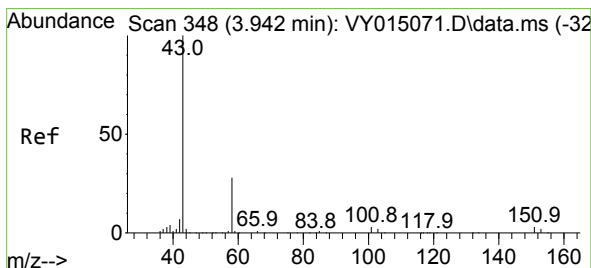
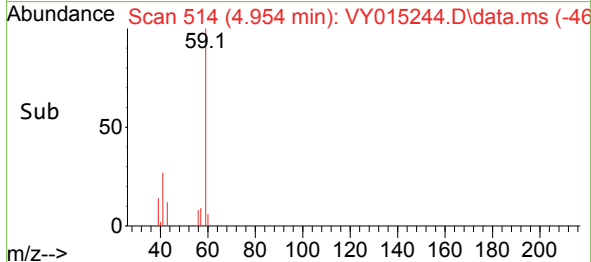
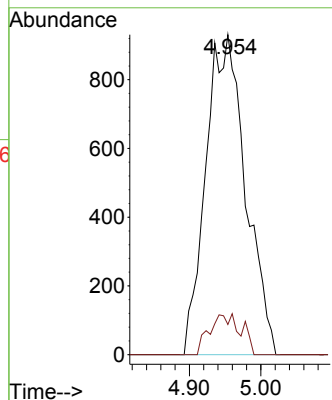
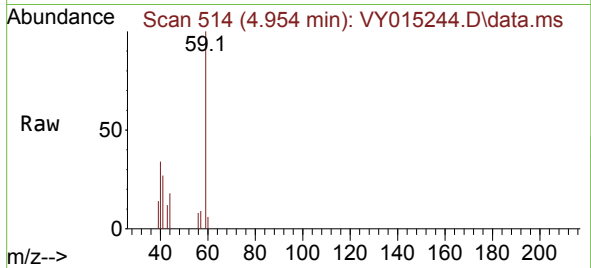




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY015244.D
Acq: 22 Aug 2023 15:04

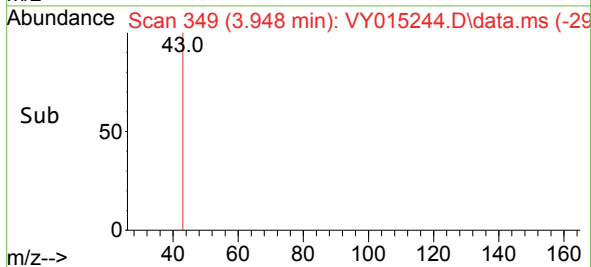
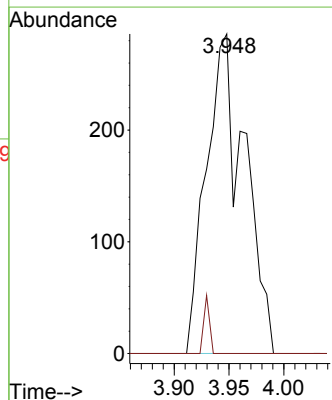
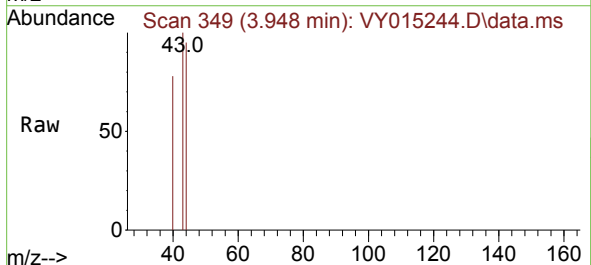
Instrument :
MSVOA_Y
ClientSampleId :
364

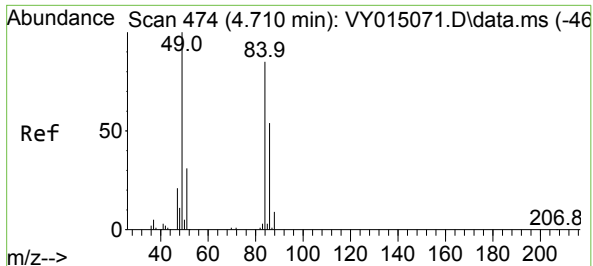
Tgt Ion: 59 Resp: 3589
Ion Ratio Lower Upper
59 100
57 10.0 3.0 4.4#



#16
Acetone
Concen: 1.450 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY015244.D
Acq: 22 Aug 2023 15:04

Tgt Ion: 43 Resp: 695
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#

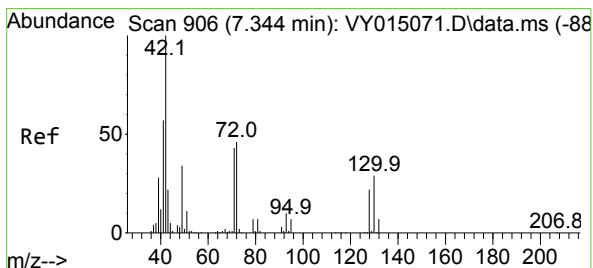
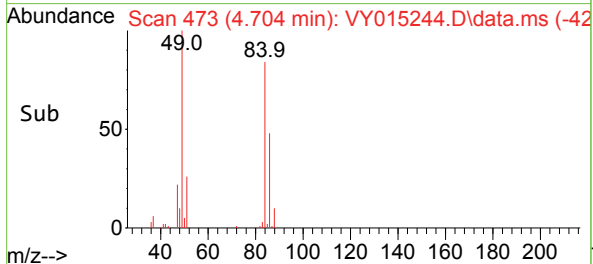
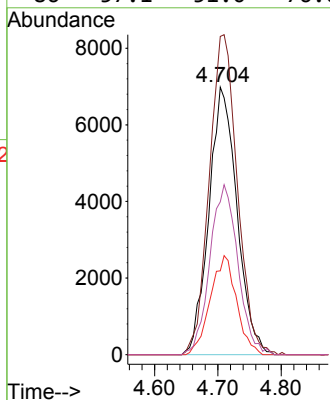
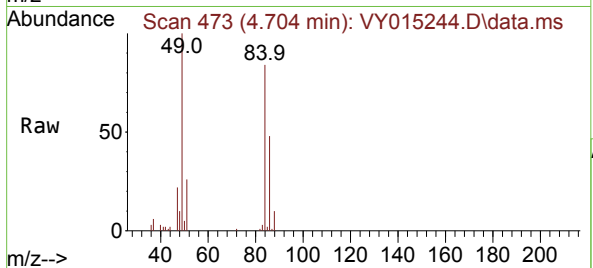




#20
Methylene Chloride
Concen: 15.790 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY015244.D
Acq: 22 Aug 2023 15:04

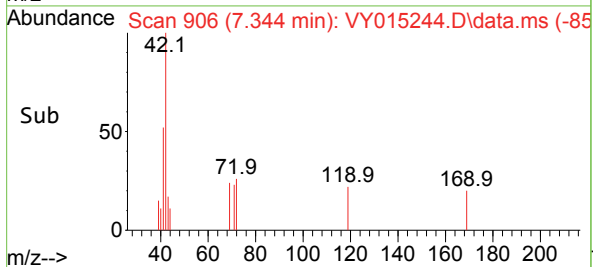
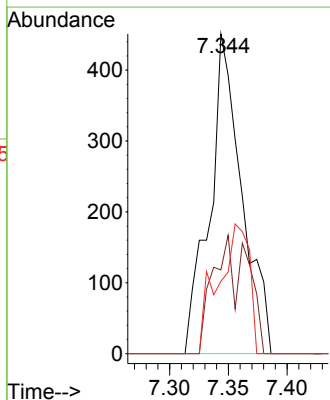
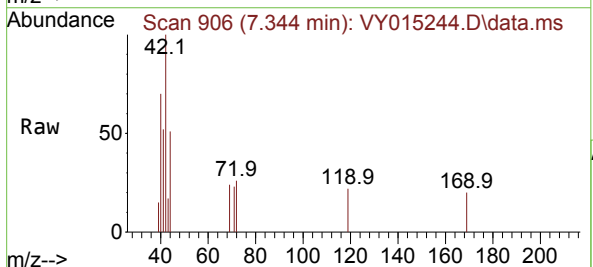
Instrument :
MSVOA_Y
ClientSampleId :
364

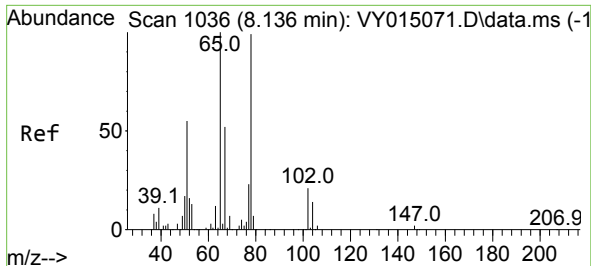
Tgt Ion:	84	Resp:	21548
Ion	Ratio	Lower	Upper
84	100		
49	118.9	106.9	160.3
51	31.3	33.2	49.8#
86	57.1	51.0	76.6



#29
Tetrahydrofuran
Concen: 2.119 ug/l
RT: 7.344 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY015244.D
Acq: 22 Aug 2023 15:04

Tgt Ion:	42	Resp:	860
Ion	Ratio	Lower	Upper
42	100		
72	23.8	32.8	49.2#
71	39.1	31.0	46.4





#33

1,2-Dichloroethane-d4

Concen: 53.422 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY015244.D

Acq: 22 Aug 2023 15:04

Instrument :

MSVOA_Y

ClientSampleId :

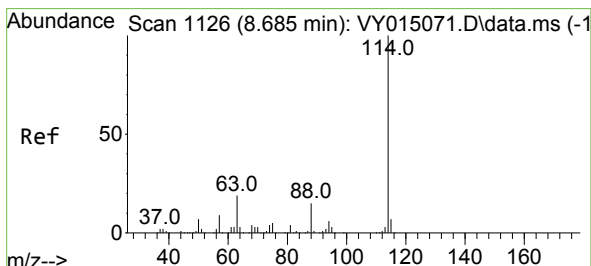
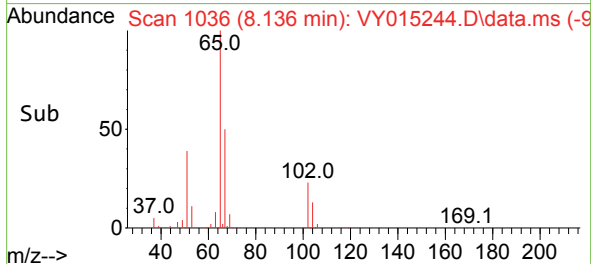
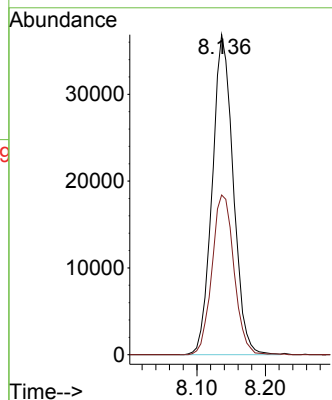
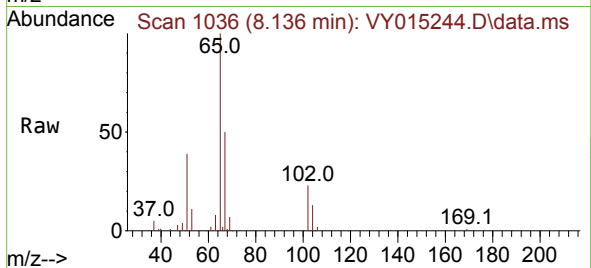
364

Tgt Ion: 65 Resp: 78396

Ion Ratio Lower Upper

65 100

67 52.3 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: VY015244.D

Acq: 22 Aug 2023 15:04

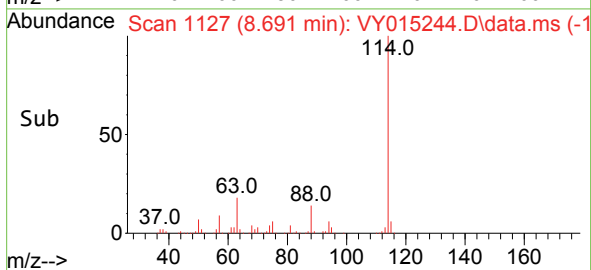
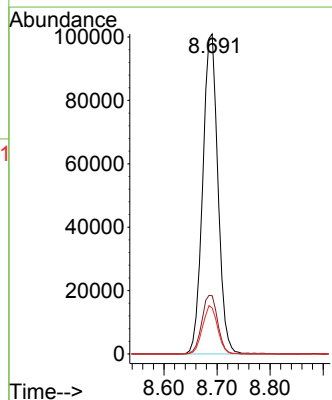
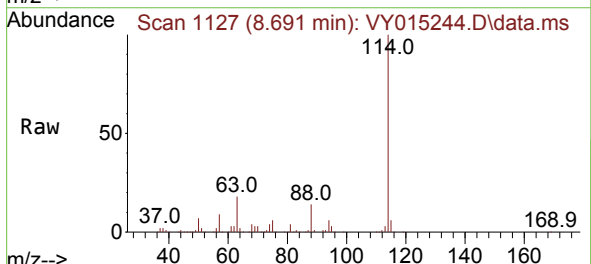
Tgt Ion: 114 Resp: 200929

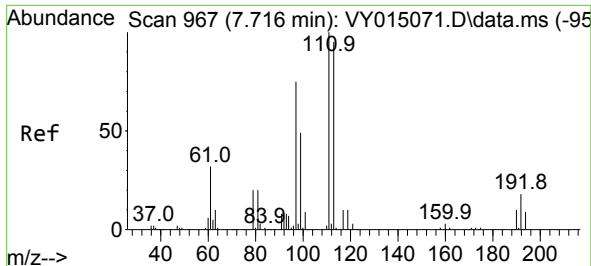
Ion Ratio Lower Upper

114 100

63 18.2 0.0 42.4

88 14.3 0.0 30.6

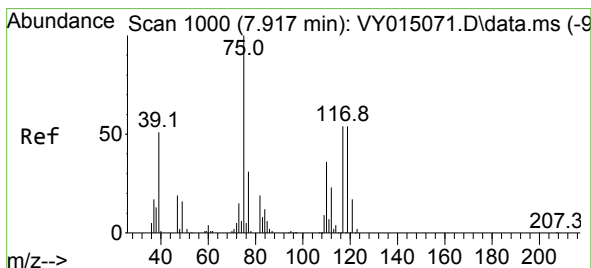
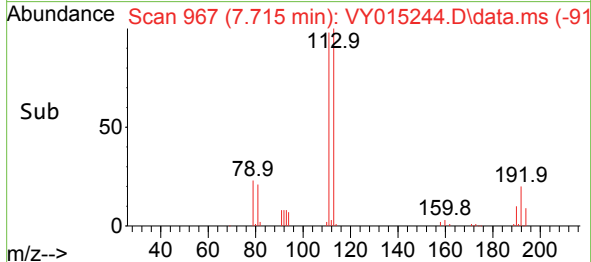
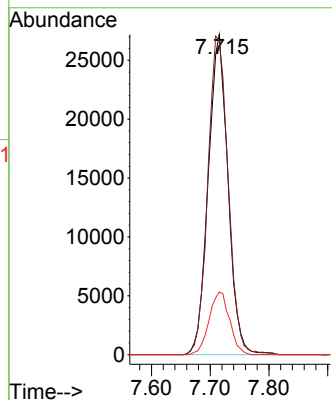
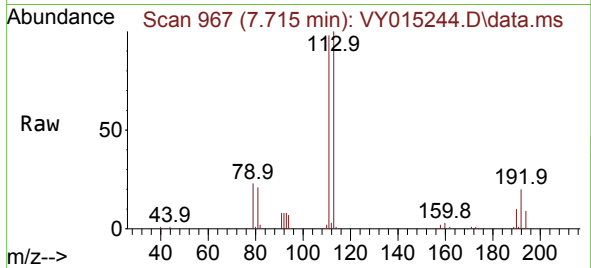




#35
 Dibromofluoromethane
 Concen: 49.138 ug/l
 RT: 7.715 min Scan# 911
 Delta R.T. -0.000 min
 Lab File: VY015244.D
 Acq: 22 Aug 2023 15:04

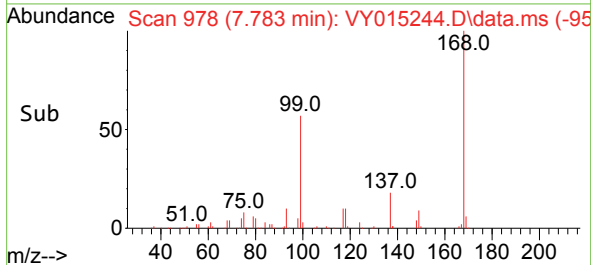
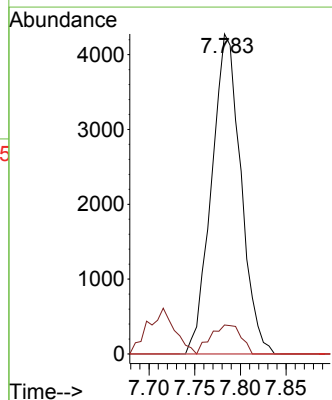
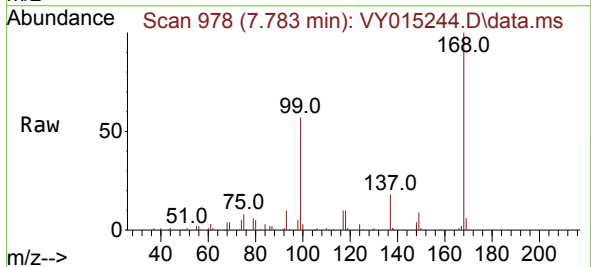
Instrument :
 MSVOA_Y
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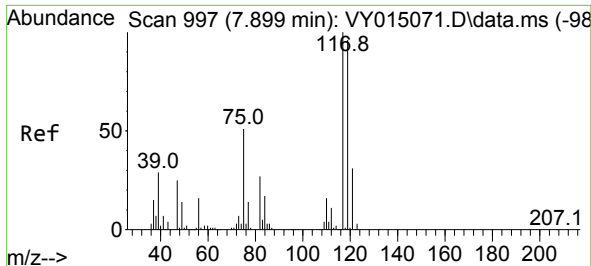
Tgt Ion:113 Resp: 63518
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.3 121.9
 192 20.3 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 6.669 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.128 min
 Lab File: VY015244.D
 Acq: 22 Aug 2023 15:04

Tgt Ion: 75 Resp: 9537
 Ion Ratio Lower Upper
 75 100
 110 9.3 17.8 53.5#
 77 0.0 24.4 36.6#

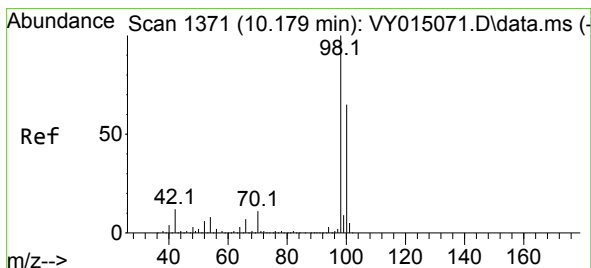
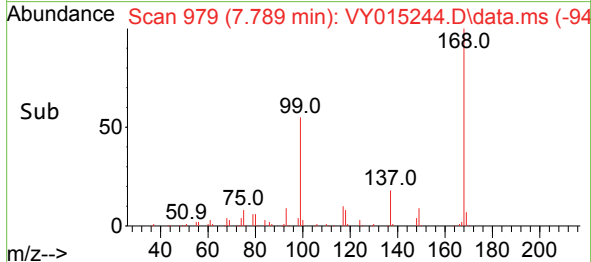
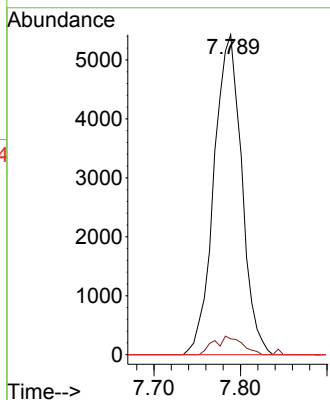
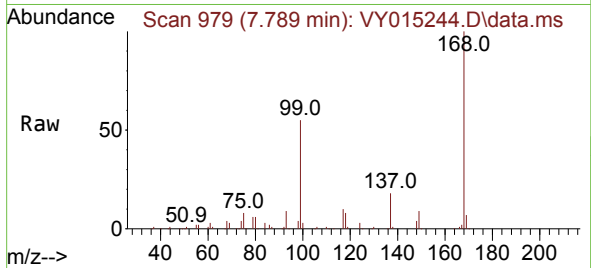




#38
Carbon Tetrachloride
Concen: 7.136 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015244.D
Acq: 22 Aug 2023 15:04

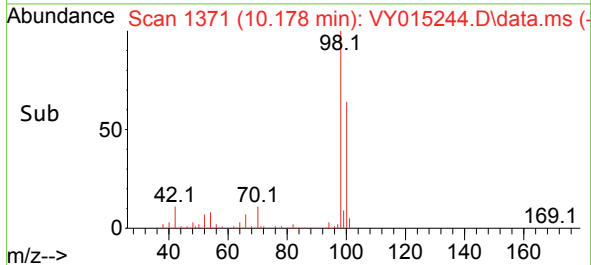
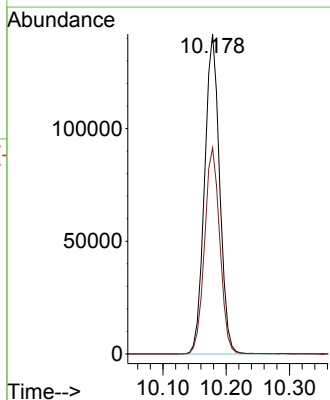
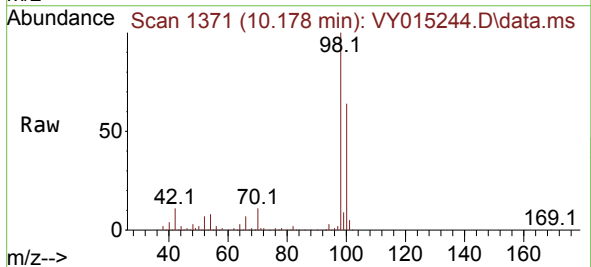
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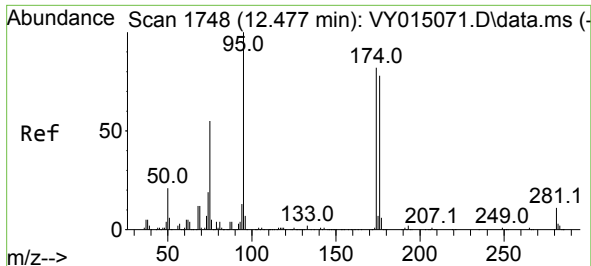
Tgt Ion:117 Resp: 12078
Ion Ratio Lower Upper
117 100
119 4.9 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 48.862 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015244.D
Acq: 22 Aug 2023 15:04

Tgt Ion: 98 Resp: 235121
Ion Ratio Lower Upper
98 100
100 65.2 50.1 75.1

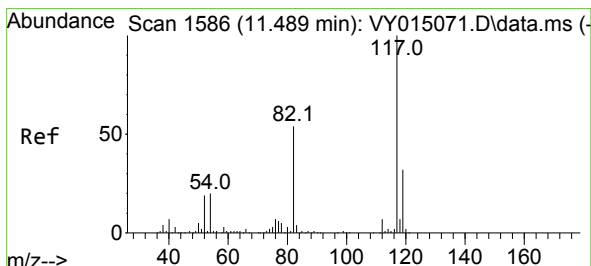
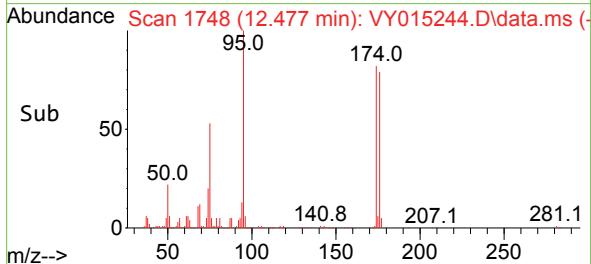
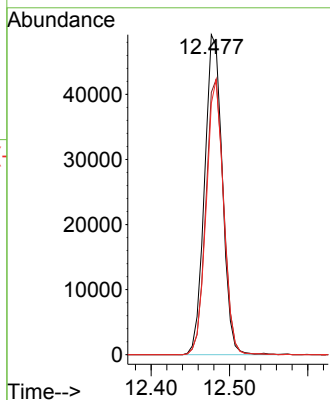
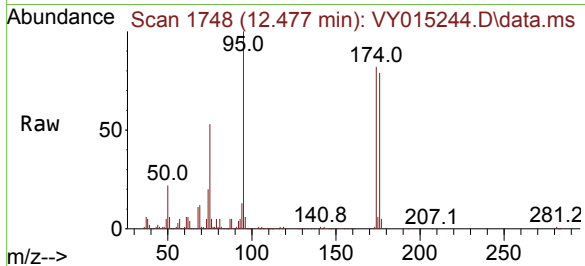




#62
4-Bromofluorobenzene
Concen: 43.898 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015244.D
Acq: 22 Aug 2023 15:04

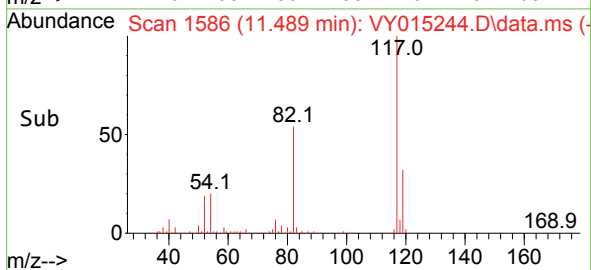
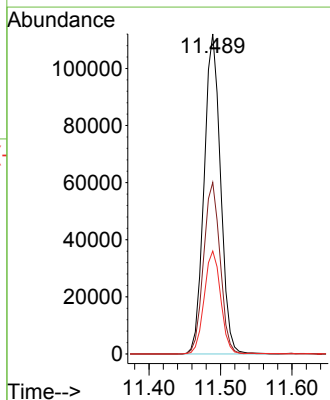
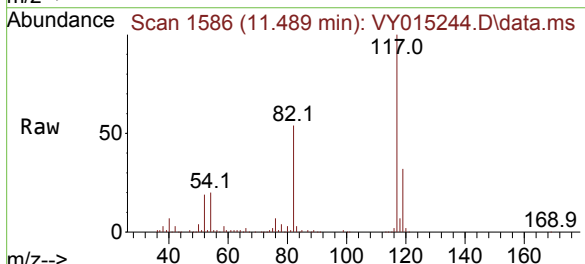
Instrument :
MSVOA_Y
ClientSampleId :
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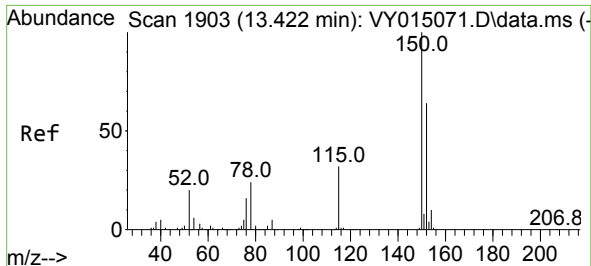
Tgt Ion: 95 Resp: 77153
Ion Ratio Lower Upper
95 100
174 86.3 0.0 178.2
176 84.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY015244.D
Acq: 22 Aug 2023 15:04

Tgt Ion: 117 Resp: 178930
Ion Ratio Lower Upper
117 100
82 53.6 43.4 65.0
119 32.1 26.3 39.5

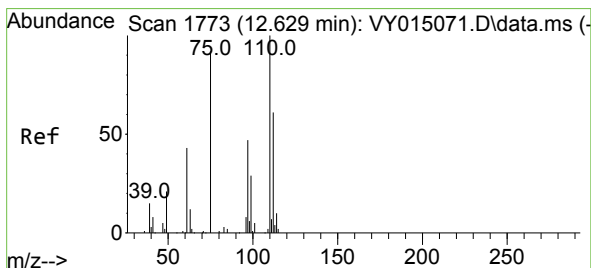
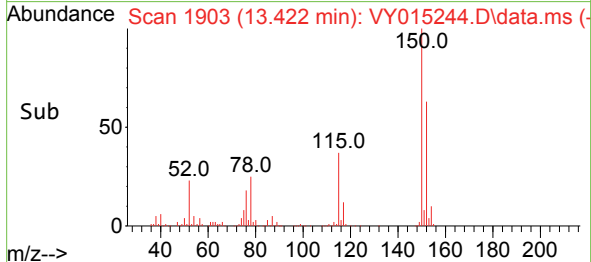
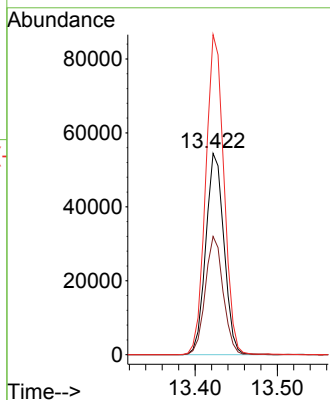
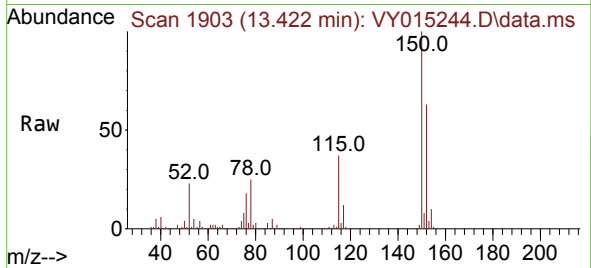




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY015244.D
 Acq: 22 Aug 2023 15:04

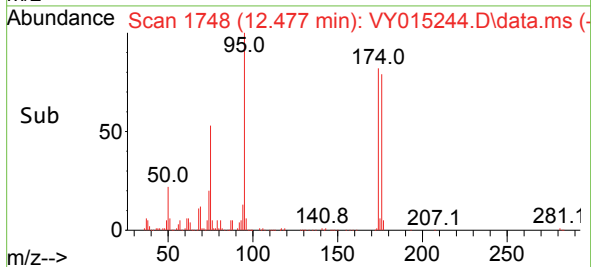
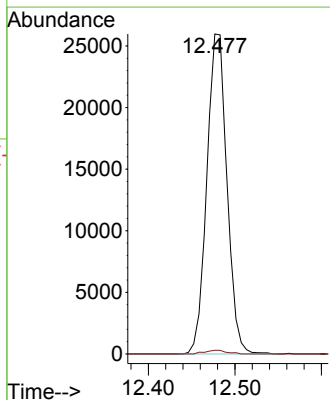
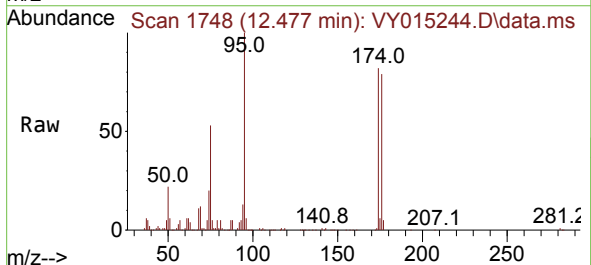
Instrument :
 MSVOA_Y
 ClientSampleId :
 364

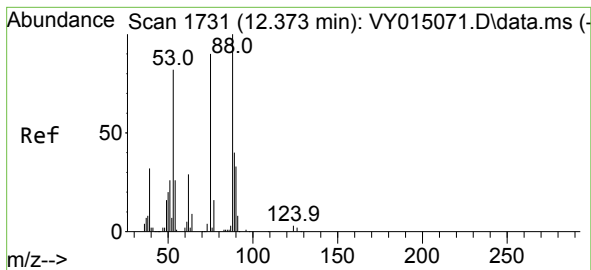
Tgt Ion:152 Resp: 83721
 Ion Ratio Lower Upper
 152 100
 115 57.9 28.8 86.5
 150 158.9 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 41.202 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY015244.D
 Acq: 22 Aug 2023 15:04

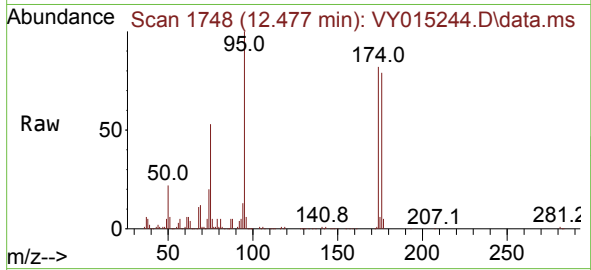
Tgt Ion: 75 Resp: 41909
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.500 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY015244.D
 Acq: 22 Aug 2023 15:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 364



Tgt Ion:	75	Resp:	41909
Ion	Ratio	Lower	Upper
75	100		
53	0.5	77.8	116.8#
89	0.0	37.4	56.0#

