

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063023\
 Data File : VY014526.D
 Acq On : 30 Jun 2023 19:27
 Operator : KP/MD
 Sample : 03487-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BERGEN-COMP

Quant Time: Jun 30 23:21:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 19:02:11 2023
 Response via : Initial Calibration

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

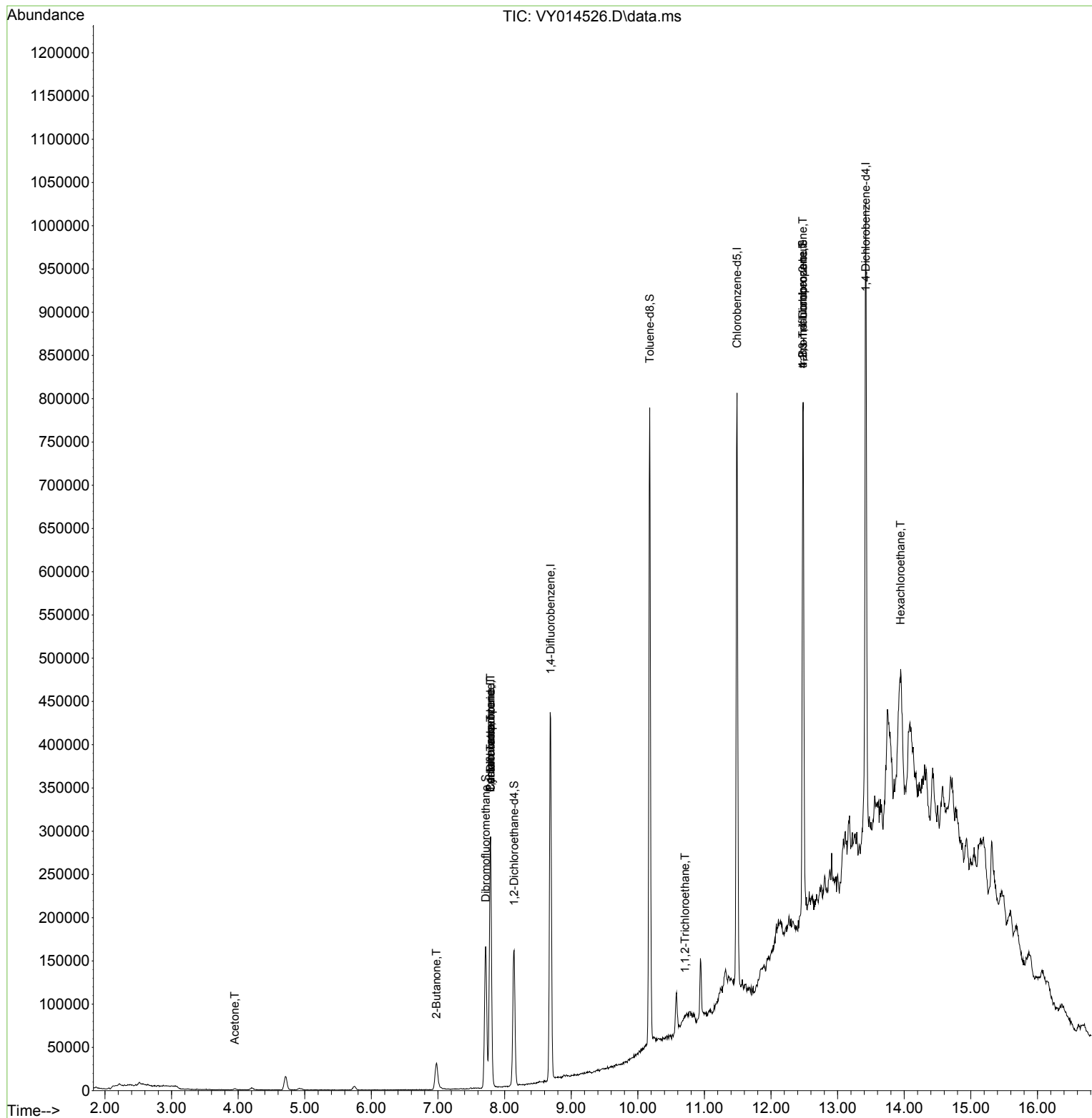
Internal Standards						
1) Pentafluorobenzene	7.789	168	246032	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	393521	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	394847	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	200287	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	127059	51.914	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.820%	
35) Dibromofluoromethane	7.715	113	119649	49.374	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.740%	
50) Toluene-d8	10.178	98	496094	51.786	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.580%	
62) 4-Bromofluorobenzene	12.477	95	184111	55.347	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 110.700%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.899	85	83	Below Cal	#	50
11) Tert butyl alcohol	4.923	59	1407	Below Cal	#	89
13) Acrolein	3.722	56	27	Below Cal	#	1
16) Acetone	3.948	43	2162	2.829	ug/l	90
20) Methylene Chloride	4.716	84	12214	Below Cal	#	85
25) 2-Butanone	6.978	43	1899	1.678	ug/l	# 74
31) Cyclohexane	7.789	56	4117	1.072	ug/l	# 1
36) 1,1-Dichloropropene	7.789	75	16155	4.353	ug/l	# 53
38) Carbon Tetrachloride	7.789	117	20895	5.394	ug/l	# 17
55) 1,1,2-Trichloroethane	10.709	97	4226	1.655	ug/l	# 22
76) 1,2,3-Trichloropropane	12.477	75	85722	36.473	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	85722	70.991	ug/l	# 11
90) Hexachloroethane	13.946	117	5846	2.435	ug/l	# 21

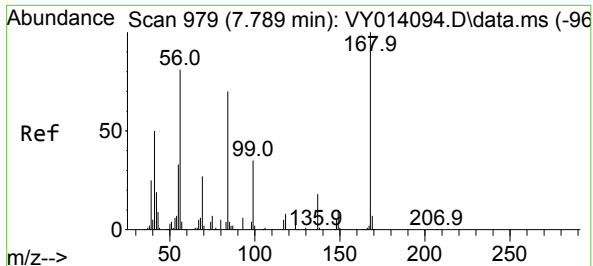
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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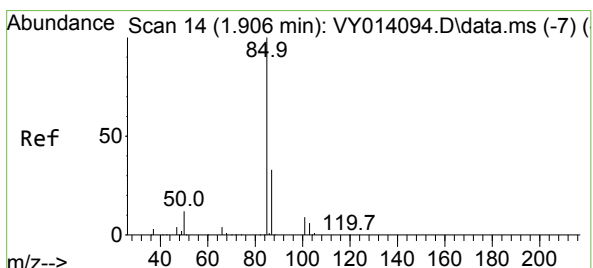
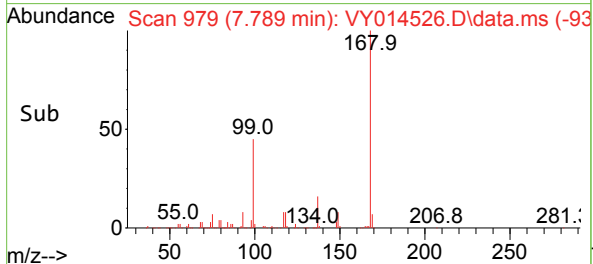
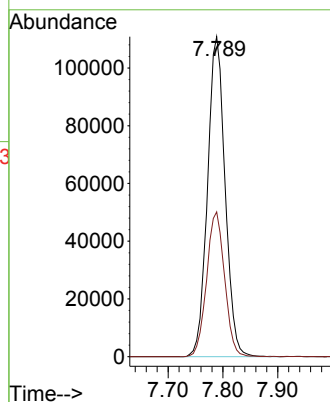
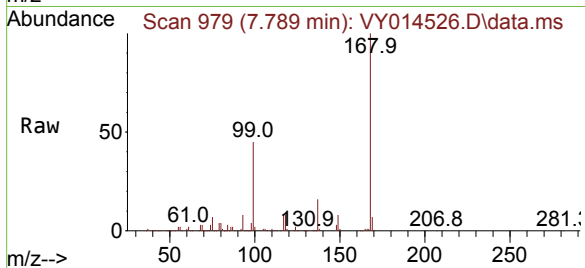




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014526.D
Acq: 30 Jun 2023 19:27

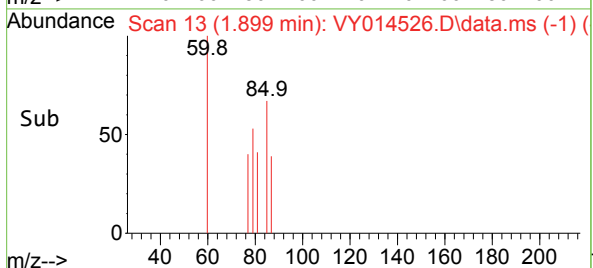
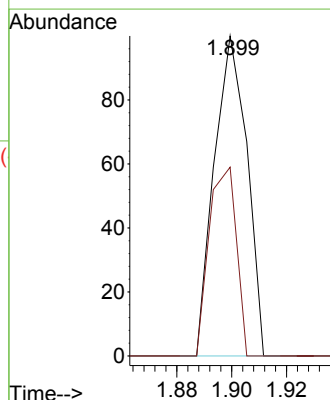
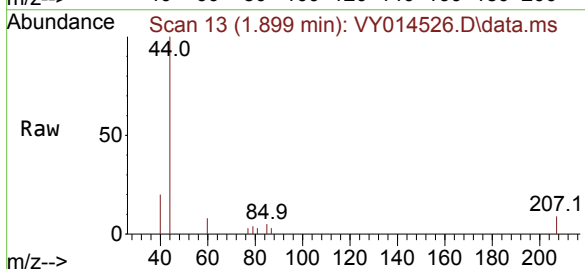
Instrument :
MSVOA_Y
ClientSampleId :
BERGEN-COMP

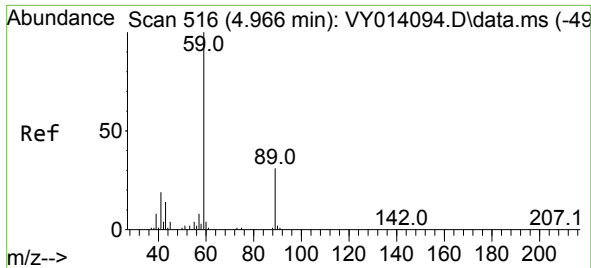
Tgt Ion:168 Resp: 246032
Ion Ratio Lower Upper
168 100
99 45.3 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.899 min Scan# 13
Delta R.T. -0.007 min
Lab File: VY014526.D
Acq: 30 Jun 2023 19:27

Tgt Ion: 85 Resp: 83
Ion Ratio Lower Upper
85 100
87 59.0 15.6 46.8#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.923 min Scan# 509

Delta R.T. -0.043 min

Lab File: VY014526.D

Acq: 30 Jun 2023 19:27

Instrument :

MSVOA_Y

ClientSampleId :

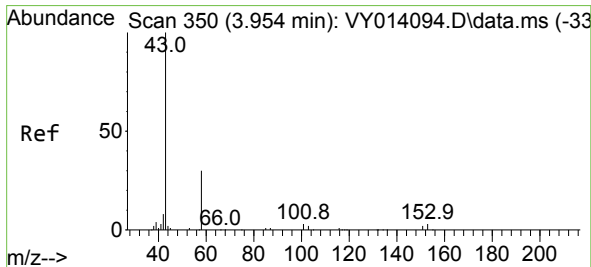
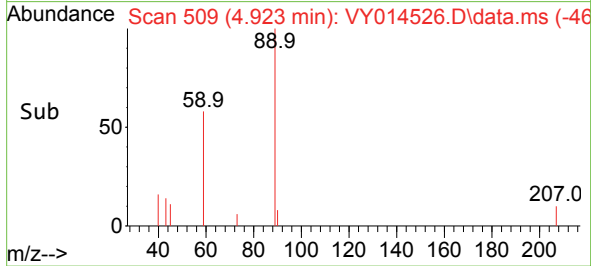
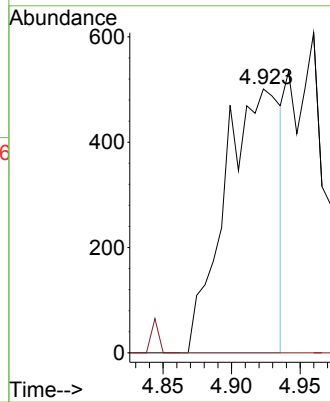
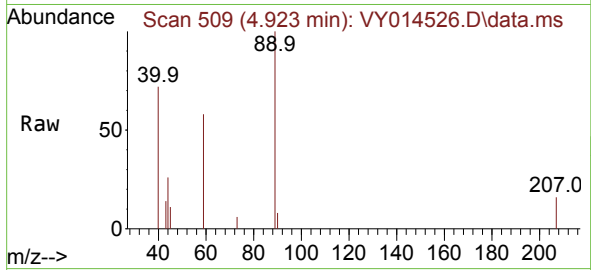
BERGEN-COMP

Tgt Ion: 59 Resp: 1407

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#16

Acetone

Concen: 2.829 ug/l

RT: 3.948 min Scan# 349

Delta R.T. -0.006 min

Lab File: VY014526.D

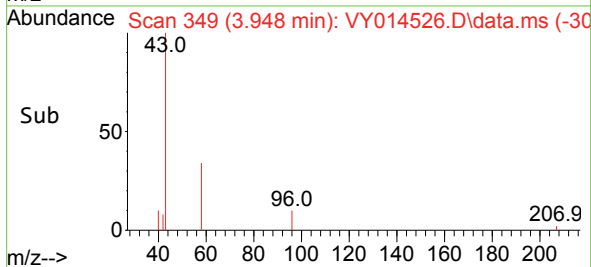
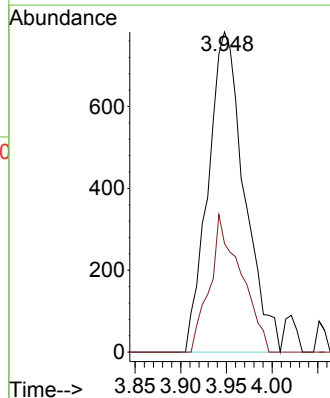
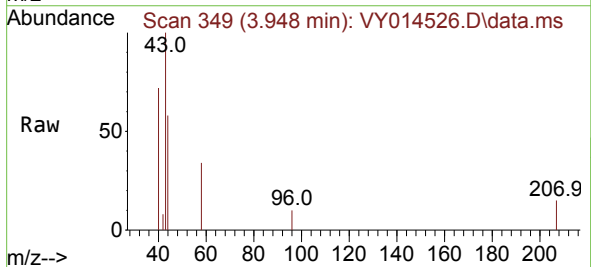
Acq: 30 Jun 2023 19:27

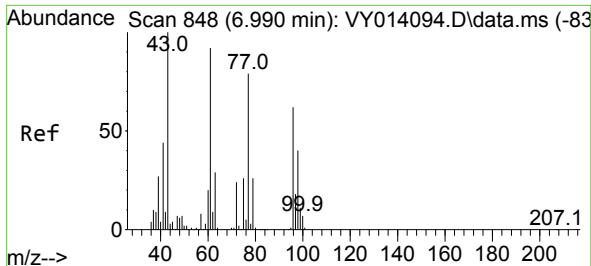
Tgt Ion: 43 Resp: 2162

Ion Ratio Lower Upper

43 100

58 33.9 22.7 34.1

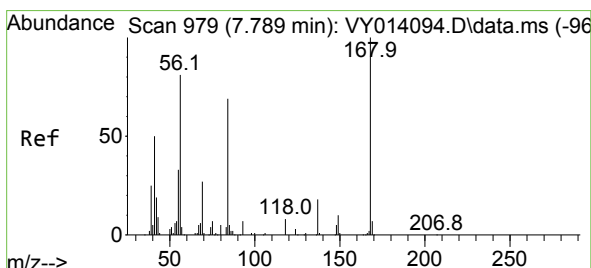
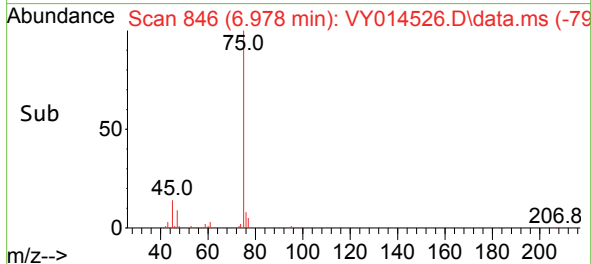
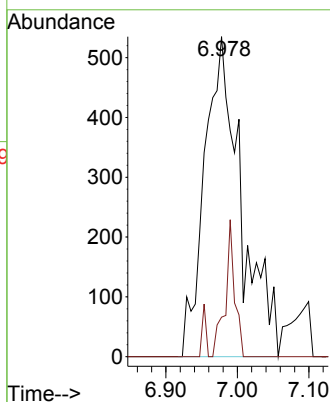
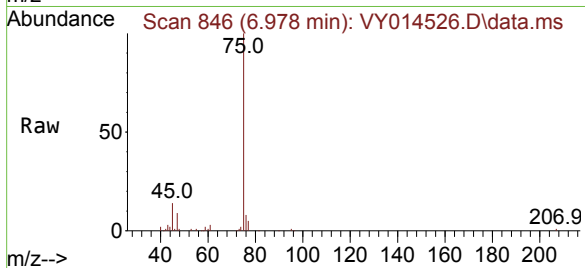




#25
2-Butanone
Concen: 1.678 ug/l
RT: 6.978 min Scan# 848
Delta R.T. -0.012 min
Lab File: VY014526.D
Acq: 30 Jun 2023 19:27

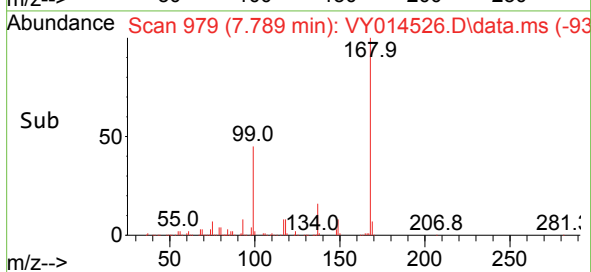
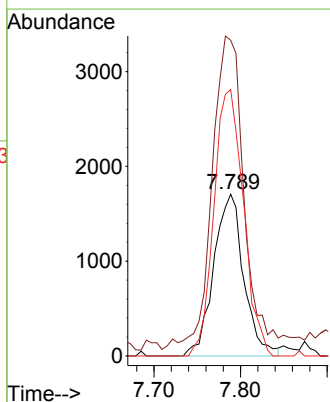
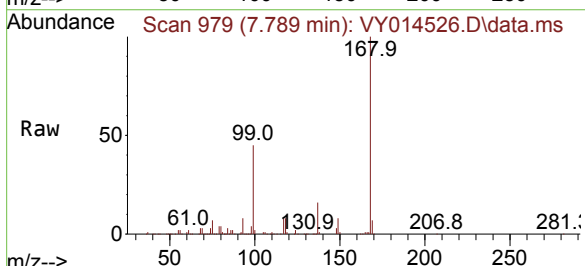
Instrument :
MSVOA_Y
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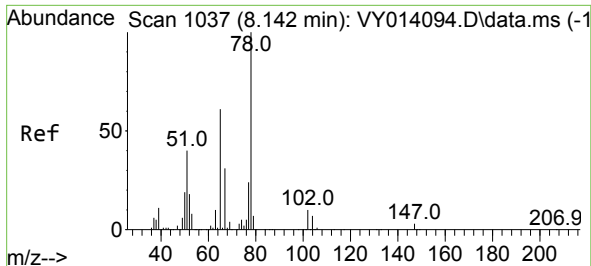
Tgt Ion: 43 Resp: 1899
Ion Ratio Lower Upper
43 100
72 12.3 20.5 30.7#



#31
Cyclohexane
Concen: 1.072 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY014526.D
Acq: 30 Jun 2023 19:27

Tgt Ion: 56 Resp: 4117
Ion Ratio Lower Upper
56 100
69 187.0 27.8 41.6#
84 164.8 66.4 99.6#

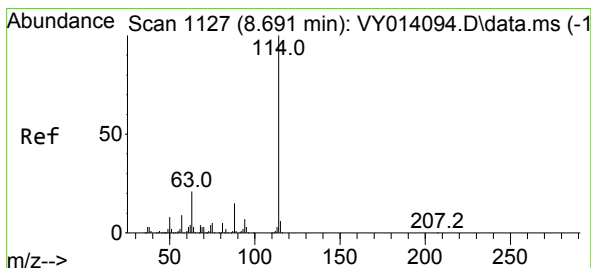
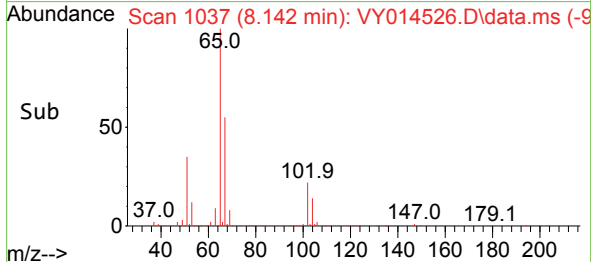
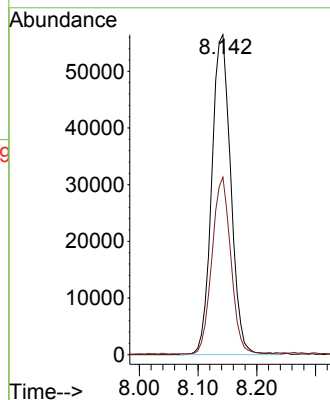
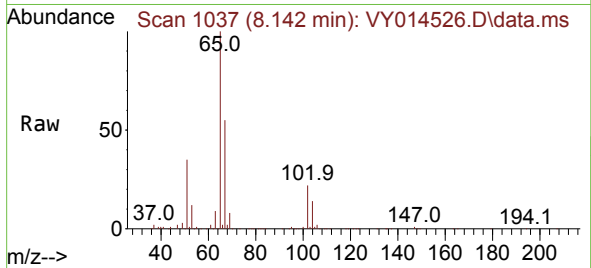




#33
 1,2-Dichloroethane-d4
 Concen: 51.914 ug/l
 RT: 8.142 min Scan# 1037
 Delta R.T. 0.000 min
 Lab File: VY014526.D
 Acq: 30 Jun 2023 19:27

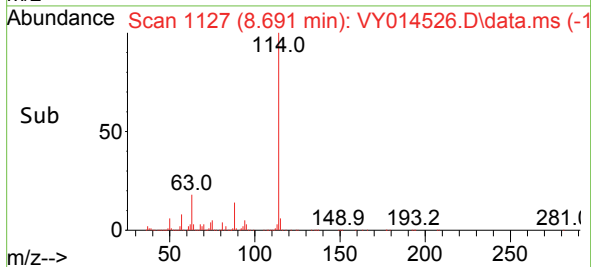
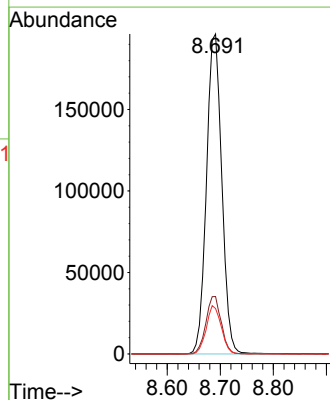
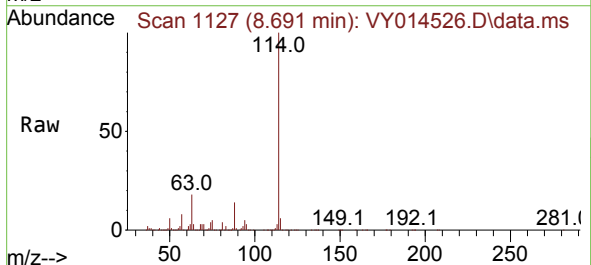
Instrument :
 MSVOA_Y
 ClientSampleId :
 BERGEN-COMP

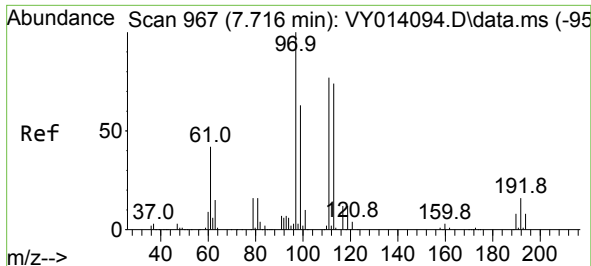
Tgt Ion: 65 Resp: 127059
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. -0.000 min
 Lab File: VY014526.D
 Acq: 30 Jun 2023 19:27

Tgt Ion:114 Resp: 393521
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 42.4
 88 14.2 0.0 30.6

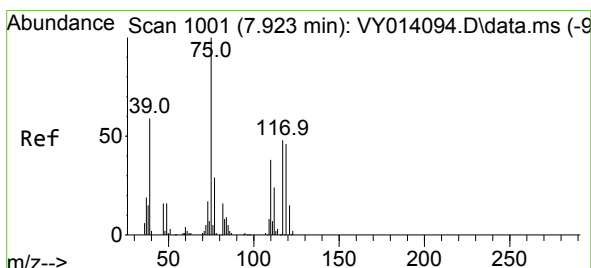
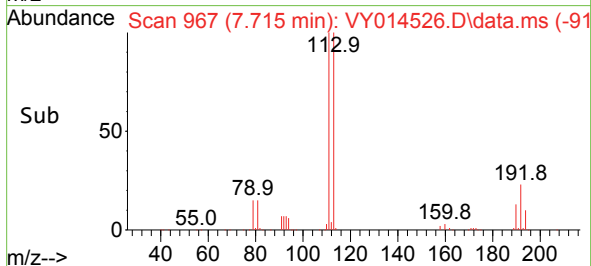
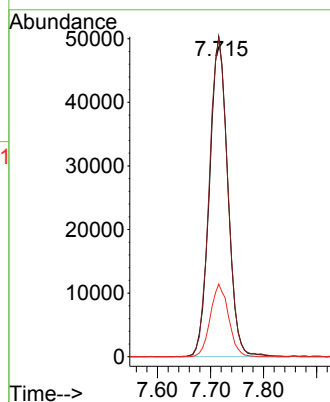
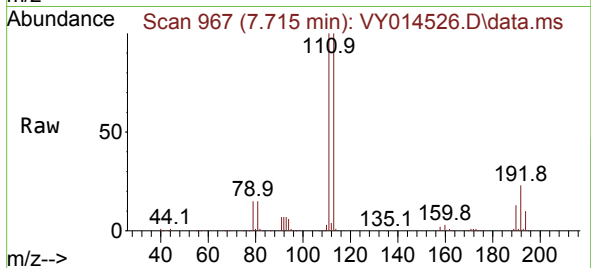




#35
Dibromofluoromethane
Concen: 49.374 ug/l
RT: 7.715 min Scan# 910
Delta R.T. -0.001 min
Lab File: VY014526.D
Acq: 30 Jun 2023 19:27

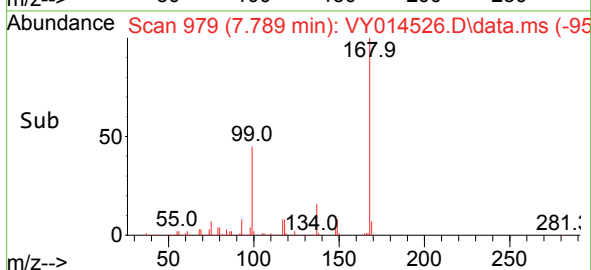
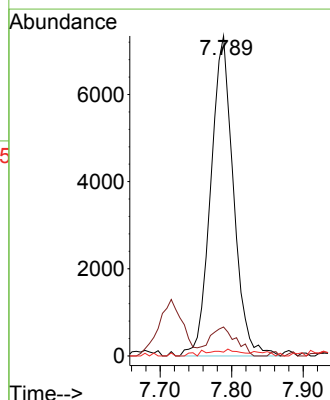
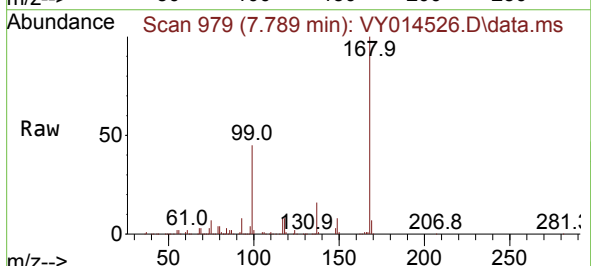
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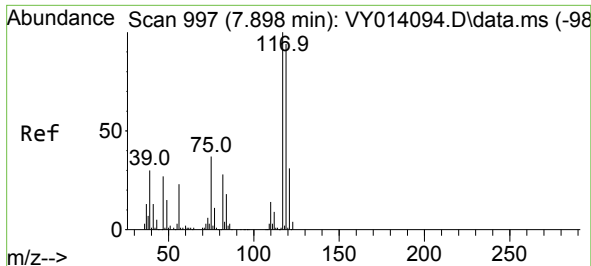
Tgt Ion:113 Resp: 119649
Ion Ratio Lower Upper
113 100
111 101.4 81.3 121.9
192 22.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.353 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014526.D
Acq: 30 Jun 2023 19:27

Tgt Ion: 75 Resp: 16155
Ion Ratio Lower Upper
75 100
110 10.6 17.8 53.5#
77 2.0 24.4 36.6#

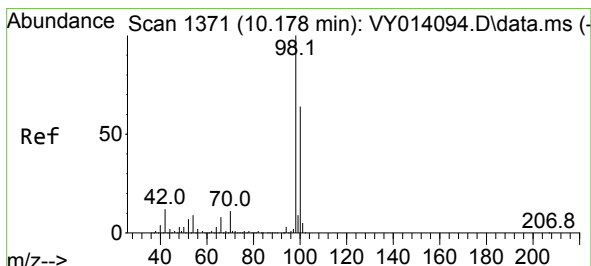
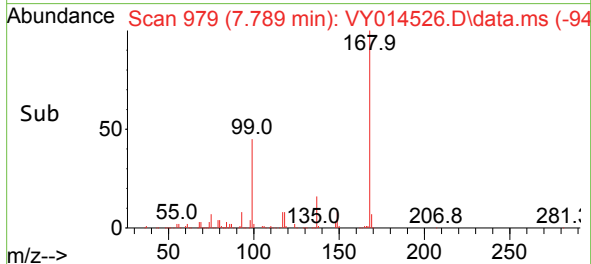
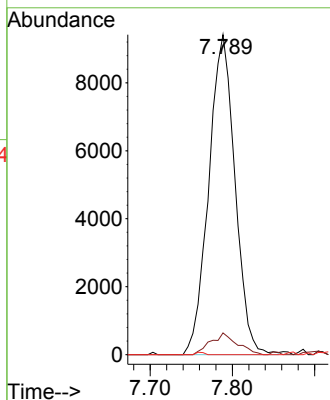
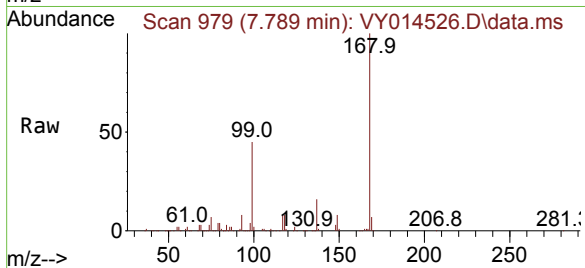




#38
Carbon Tetrachloride
Concen: 5.394 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY014526.D
Acq: 30 Jun 2023 19:27

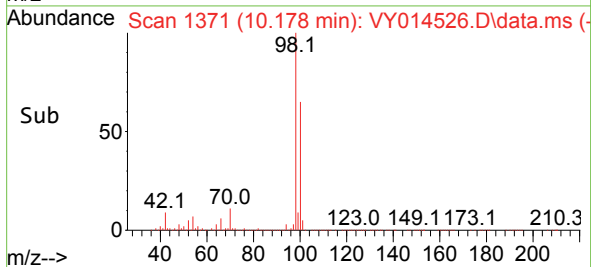
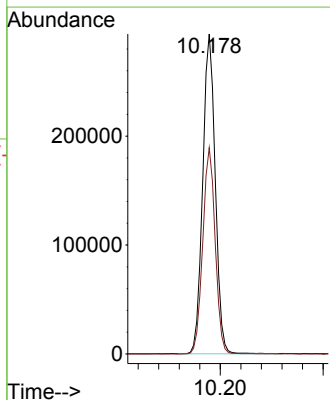
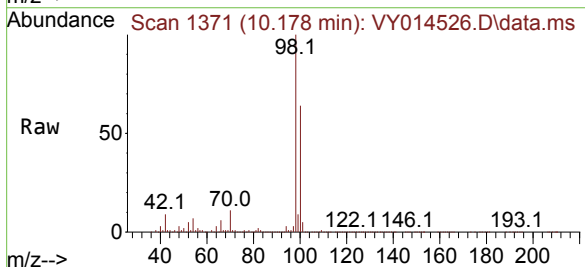
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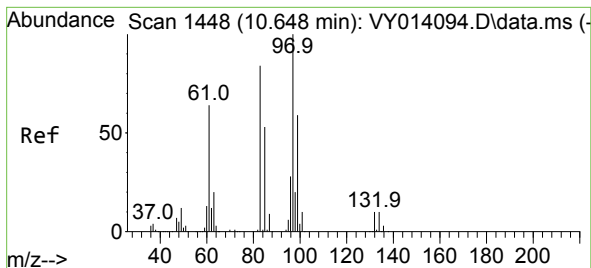
Tgt Ion:117 Resp: 20895
Ion Ratio Lower Upper
117 100
119 6.8 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 51.786 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY014526.D
Acq: 30 Jun 2023 19:27

Tgt Ion: 98 Resp: 496094
Ion Ratio Lower Upper
98 100
100 64.0 50.1 75.1

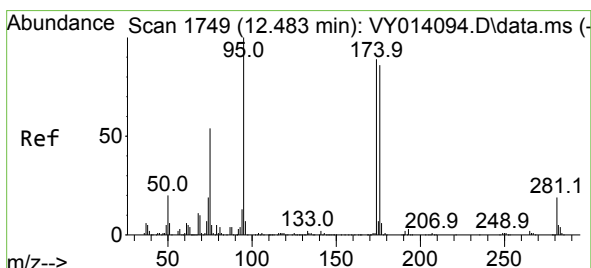
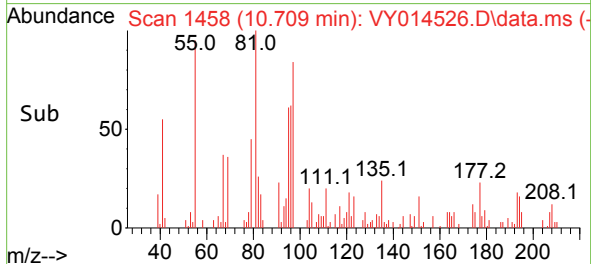
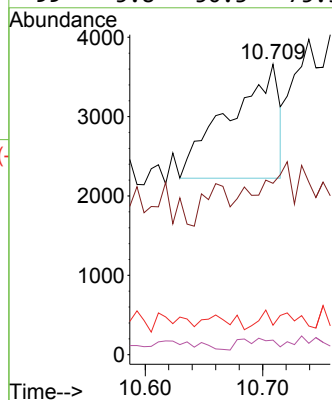
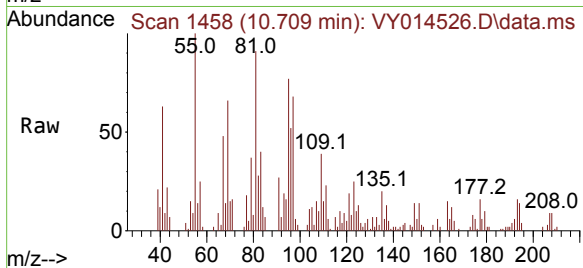




#55
1,1,2-Trichloroethane
Concen: 1.655 ug/l
RT: 10.709 min Scan# 1448
Delta R.T. 0.061 min
Lab File: VY014526.D
Acq: 30 Jun 2023 19:27

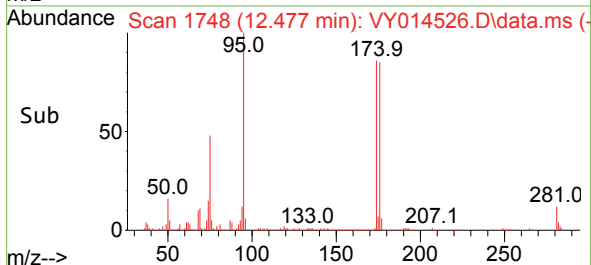
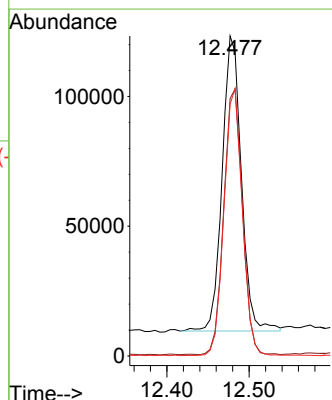
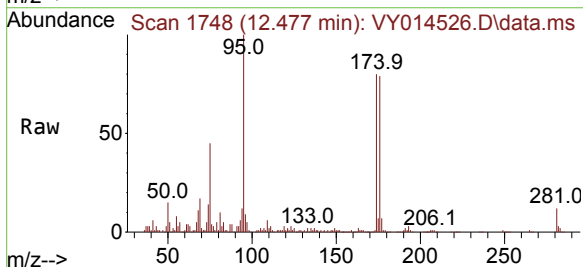
Instrument :
MSVOA_Y
ClientSampleId :
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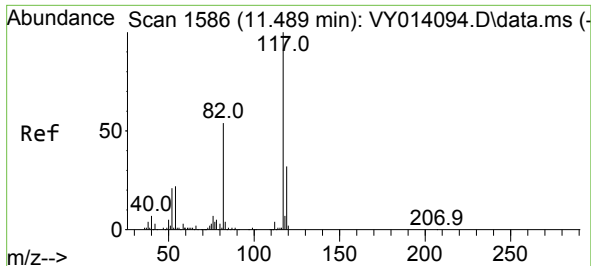
Tgt Ion: 97 Resp: 4226
Ion Ratio Lower Upper
97 100
83 12.8 72.0 108.0#
85 0.0 45.4 68.0#
99 5.8 50.3 75.5#



#62
4-Bromofluorobenzene
Concen: 55.347 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014526.D
Acq: 30 Jun 2023 19:27

Tgt Ion: 95 Resp: 184111
Ion Ratio Lower Upper
95 100
174 87.6 0.0 178.2
176 86.4 0.0 173.8

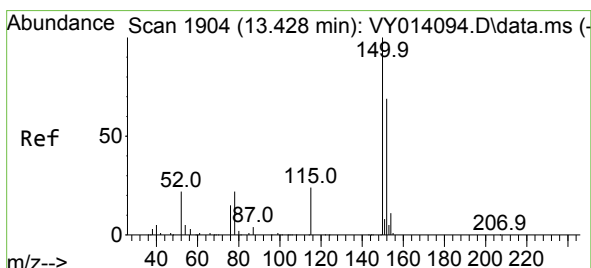
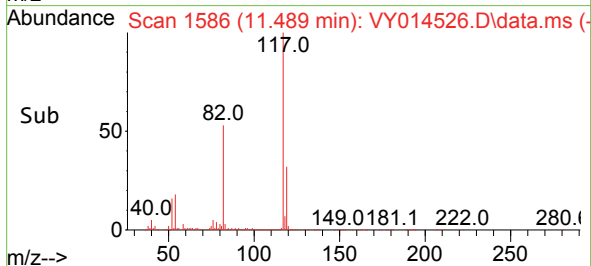
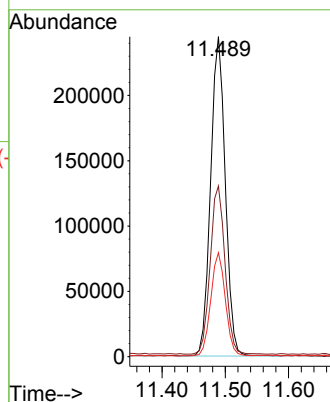
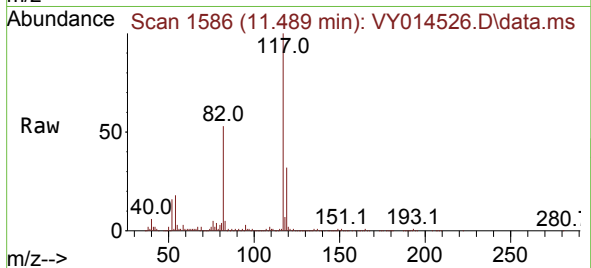




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014526.D
Acq: 30 Jun 2023 19:27

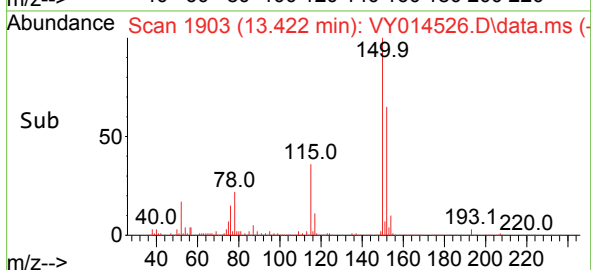
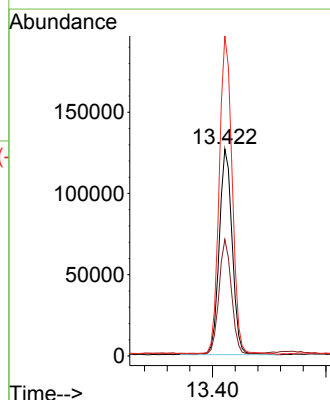
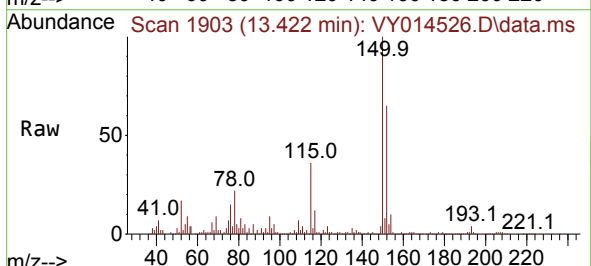
Instrument :
MSVOA_Y
ClientSampleId :
BERGEN-COMP

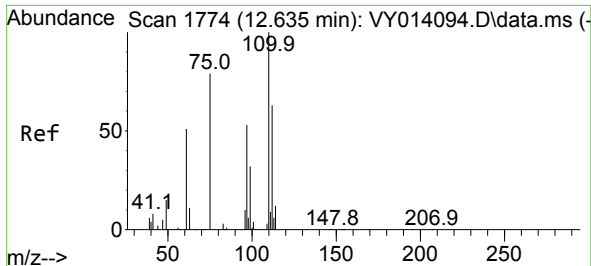
Tgt Ion:117 Resp: 394847
Ion Ratio Lower Upper
117 100
82 52.5 43.4 65.0
119 32.3 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY014526.D
Acq: 30 Jun 2023 19:27

Tgt Ion:152 Resp: 200287
Ion Ratio Lower Upper
152 100
115 53.2 28.8 86.5
150 154.7 0.0 348.8

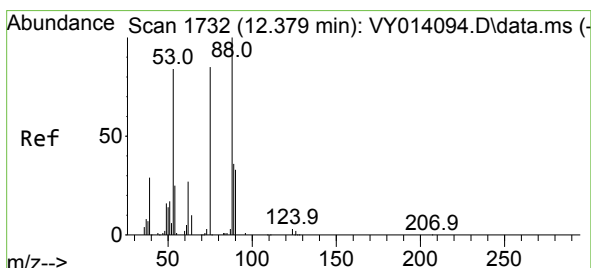
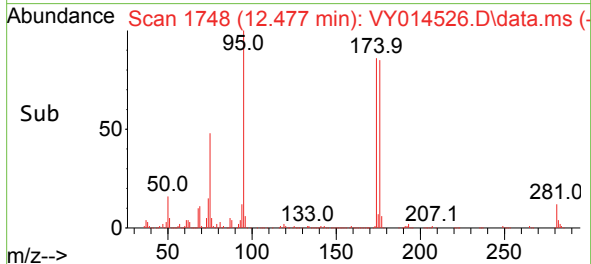
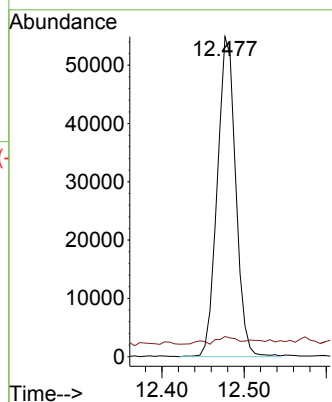
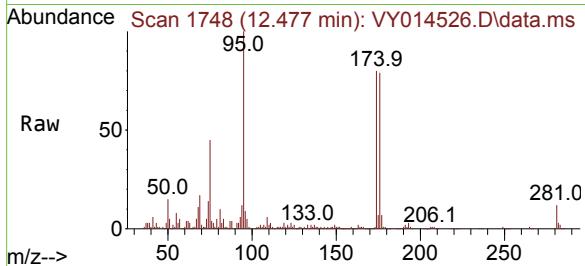




#76
1,2,3-Trichloropropane
Concen: 36.473 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY014526.D
Acq: 30 Jun 2023 19:27

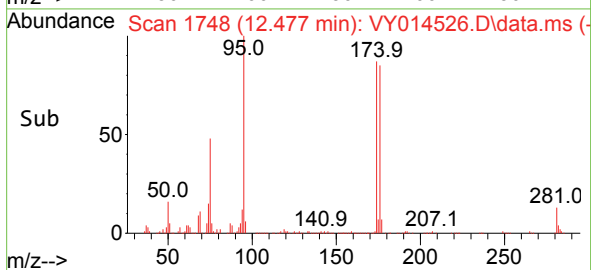
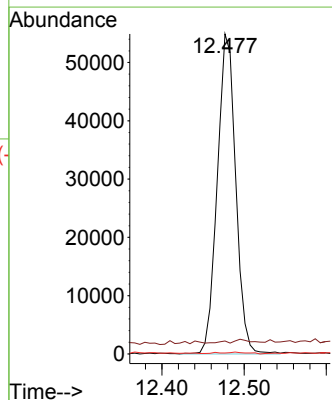
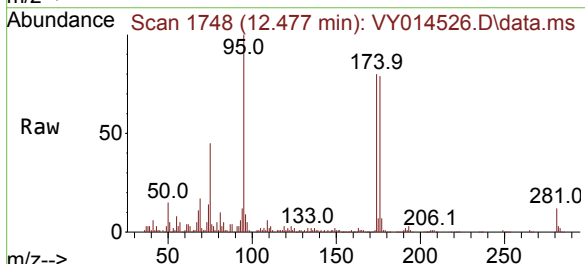
Instrument :
MSVOA_Y
ClientSampleId :
BERGEN-COMP

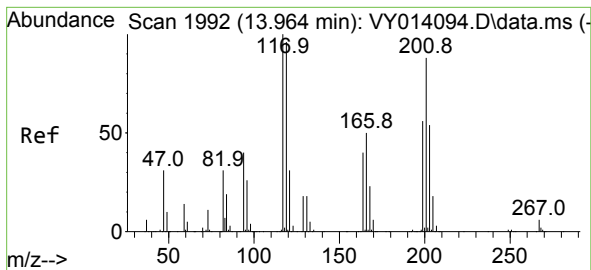
Tgt Ion: 75 Resp: 85722
Ion Ratio Lower Upper
75 100
77 2.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.991 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY014526.D
Acq: 30 Jun 2023 19:27

Tgt Ion: 75 Resp: 85722
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.2 37.4 56.0#





#90
 Hexachloroethane
 Concen: 2.435 ug/l
 RT: 13.946 min Scan# 1989
 Delta R.T. -0.018 min
 Lab File: VY014526.D
 Acq: 30 Jun 2023 19:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 BERGEN-COMP

Tgt Ion:117 Resp: 5846
 Ion Ratio Lower Upper
 117 100
 201 12.0 41.6 124.8#

