

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081523\
 Data File : VY015129.D
 Acq On : 16 Aug 2023 02:06
 Operator : SY/MD
 Sample : 03973-05
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 16 04:26:40 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	7.795	168	13165	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	19772	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.495	117	15235	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	6028	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	5770	36.511	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	73.020%
35) Dibromofluoromethane	7.722	113	5052	39.717	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	79.440%
50) Toluene-d8	10.185	98	21946	46.347	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.700%
62) 4-Bromofluorobenzene	12.483	95	6260	36.196	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	72.400%

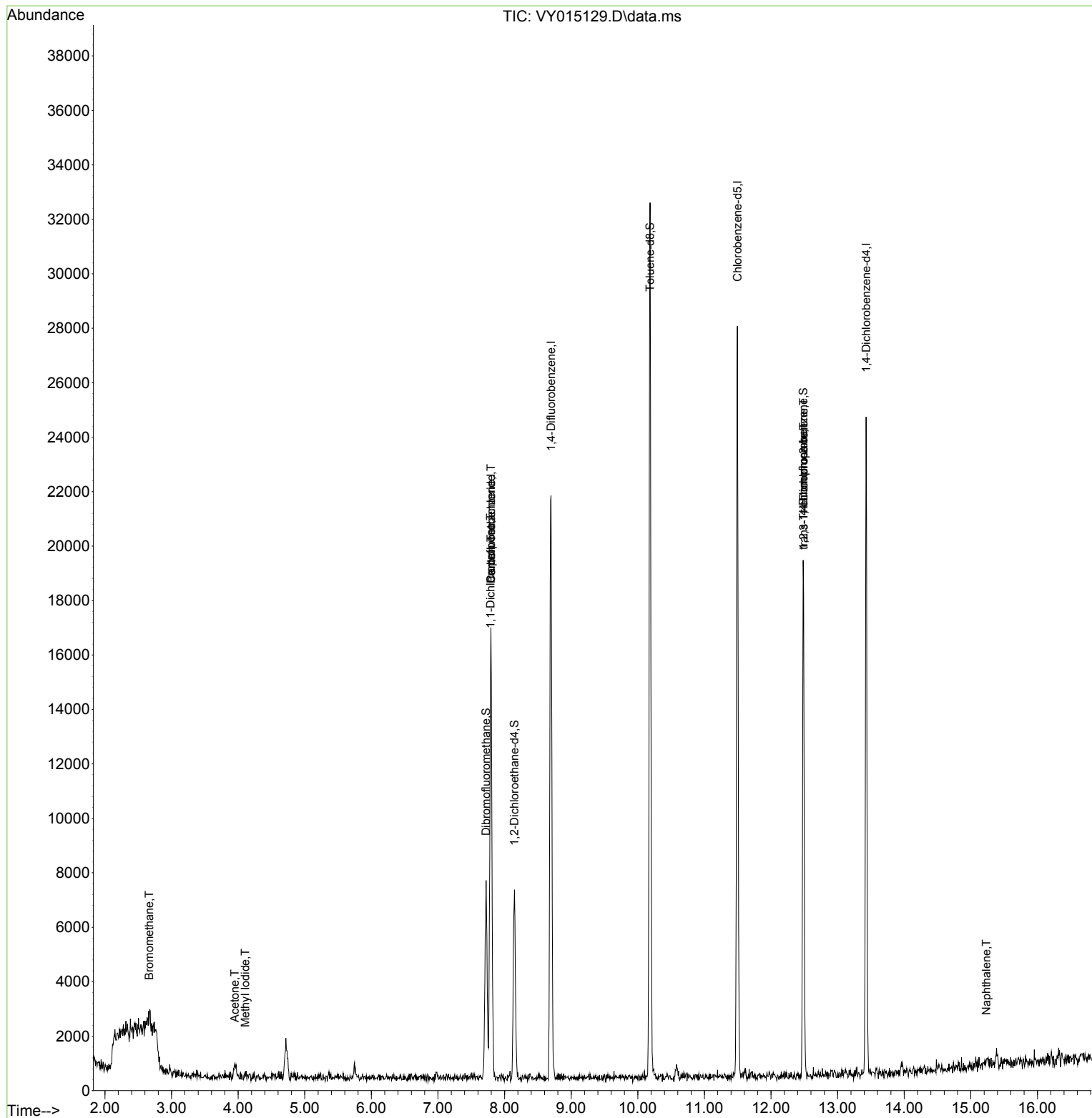
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.119	50	150	Below Cal	#	43
5) Bromomethane	2.662	94	317	2.900	ug/l	82
10) Methyl Iodide	4.106	142	247	2.293	ug/l #	59
16) Acetone	3.948	43	860	16.658	ug/l #	69
20) Methylene Chloride	4.716	84	488	Below Cal	#	69
31) Cyclohexane	7.795	56	174	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	978	6.950	ug/l #	41
38) Carbon Tetrachloride	7.795	117	1276	7.662	ug/l #	12
76) 1,2,3-Trichloropropane	12.489	75	3380	46.152	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	3380	101.373	ug/l #	10
95) Naphthalene	15.233	128	350	1.250	ug/l #	69

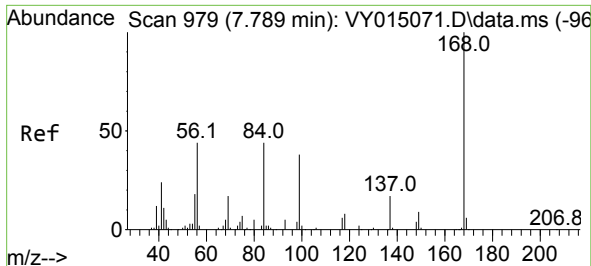
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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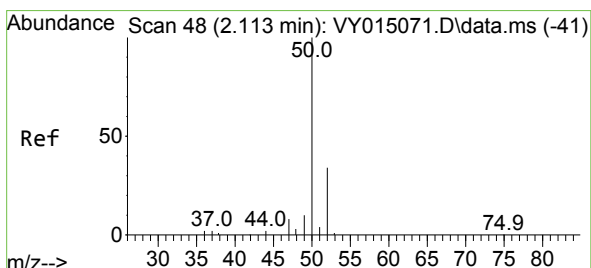
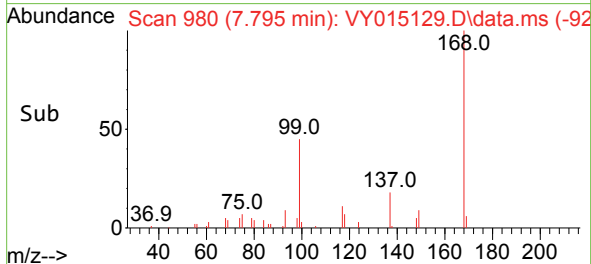
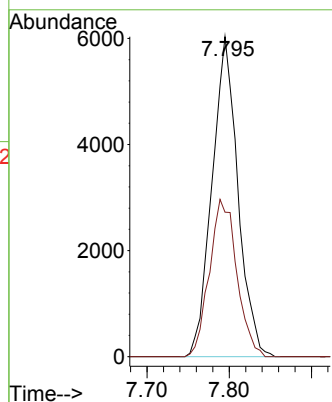
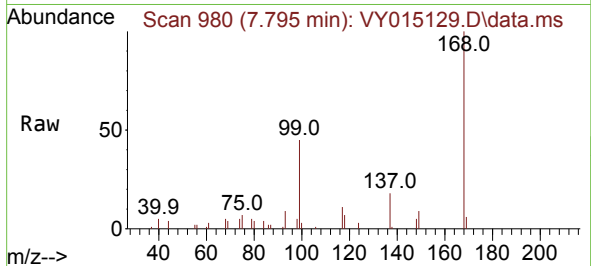




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015129.D
Acq: 16 Aug 2023 02:06

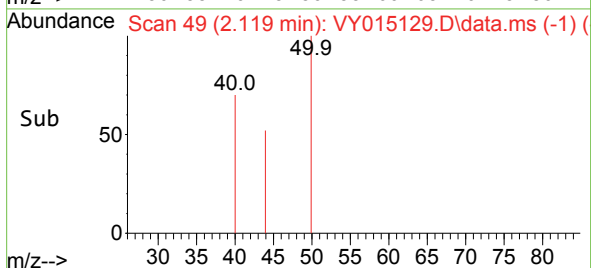
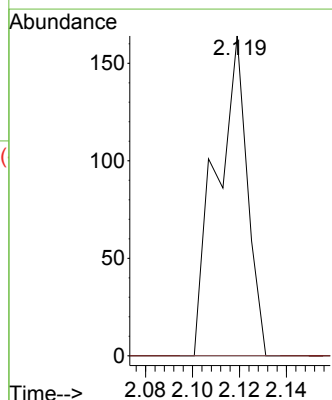
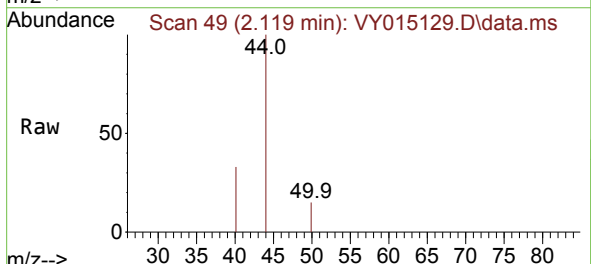
Instrument :
MSVOA_Y
ClientSampleId :

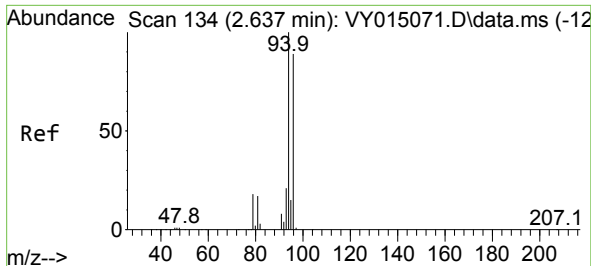
Tgt Ion:168 Resp: 13165
Ion Ratio Lower Upper
168 100
99 45.2 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.012 min
Lab File: VY015129.D
Acq: 16 Aug 2023 02:06

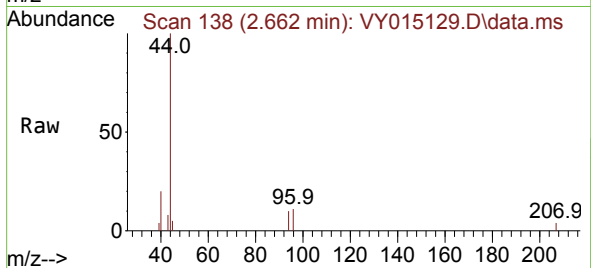
Tgt Ion: 50 Resp: 150
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#



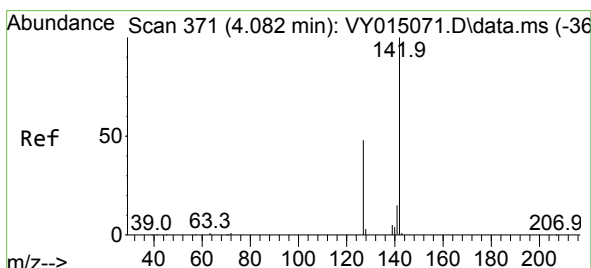
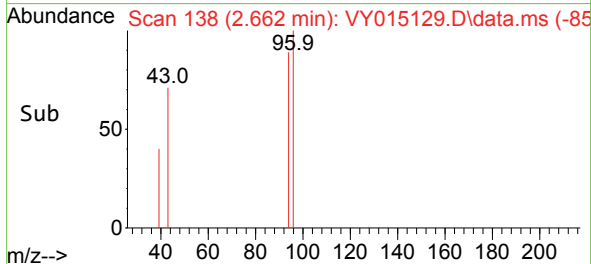
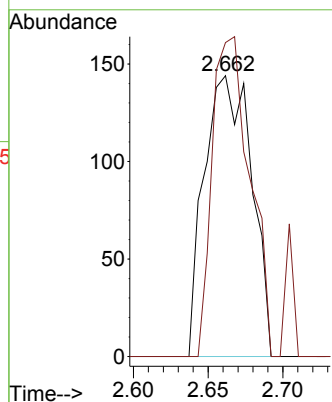


#5
Bromomethane
Concen: 2.900 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.025 min
Lab File: VY015129.D
Acq: 16 Aug 2023 02:06

Instrument :
MSVOA_Y
ClientSampleId :

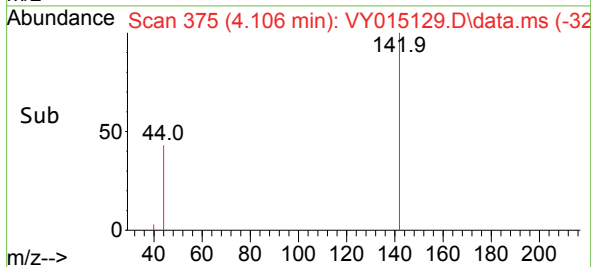
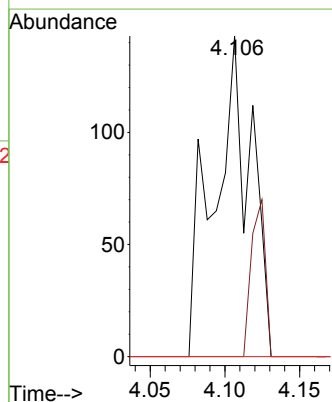
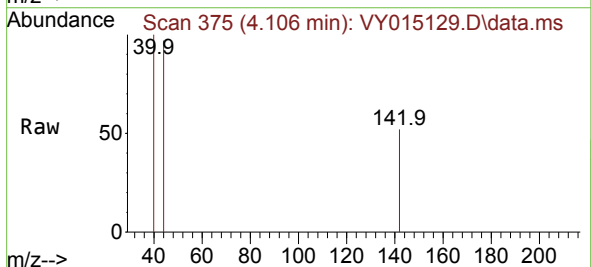


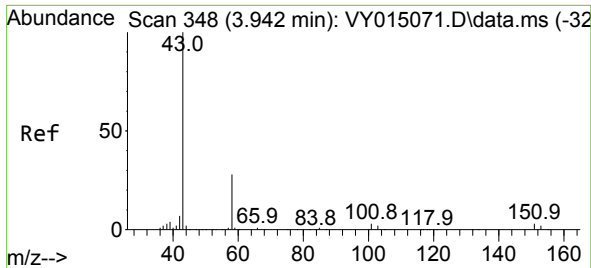
Tgt Ion: 94 Resp: 317
Ion Ratio Lower Upper
94 100
96 111.8 75.8 113.6



#10
Methyl Iodide
Concen: 2.293 ug/l
RT: 4.106 min Scan# 375
Delta R.T. 0.024 min
Lab File: VY015129.D
Acq: 16 Aug 2023 02:06

Tgt Ion: 142 Resp: 247
Ion Ratio Lower Upper
142 100
127 18.6 37.6 56.4#
141 0.0 11.8 17.8#

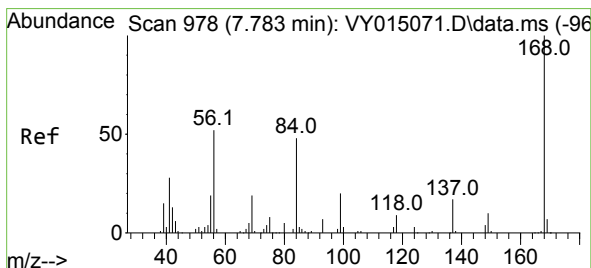
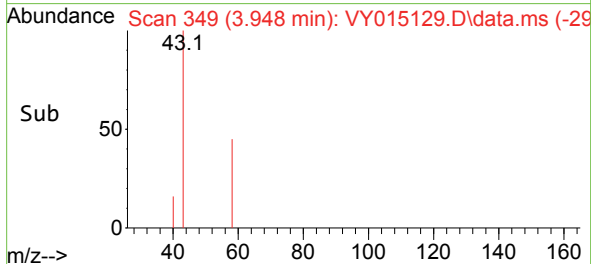
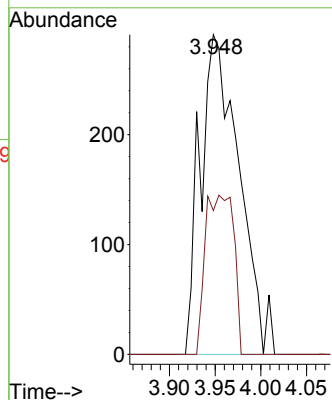
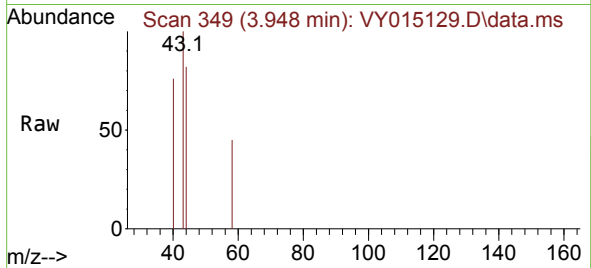




#16
Acetone
Concen: 16.658 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY015129.D
Acq: 16 Aug 2023 02:06

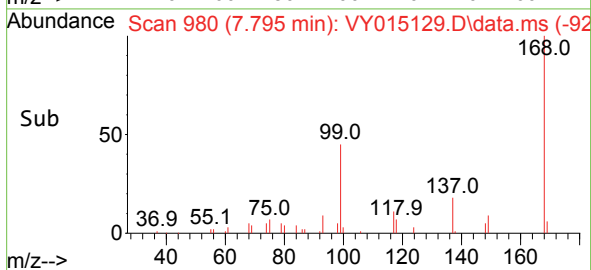
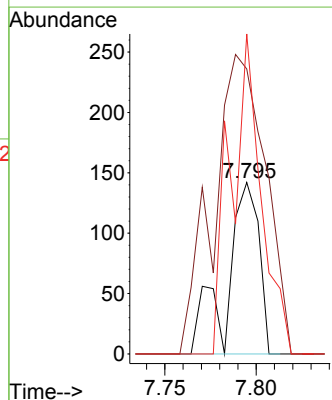
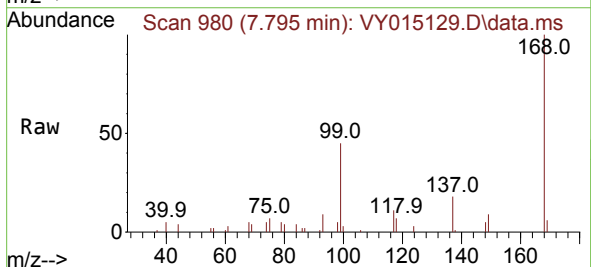
Instrument :
MSVOA_Y
ClientSampleId :

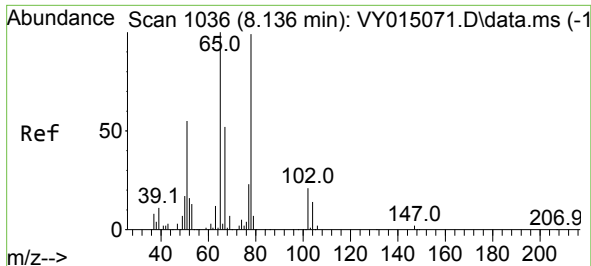
Tgt Ion: 43 Resp: 860
Ion Ratio Lower Upper
43 100
58 45.0 22.7 34.1#



#31
Cyclohexane
Concen: Below Cal
RT: 7.795 min Scan# 980
Delta R.T. 0.018 min
Lab File: VY015129.D
Acq: 16 Aug 2023 02:06

Tgt Ion: 56 Resp: 174
Ion Ratio Lower Upper
56 100
69 166.2 27.8 41.6#
84 186.6 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 36.511 ug/l

RT: 8.148 min Scan# 1036

Delta R.T. 0.012 min

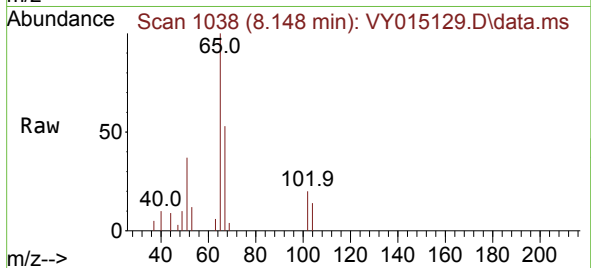
Lab File: VY015129.D

Acq: 16 Aug 2023 02:06

Instrument :

MSVOA_Y

ClientSampleId :

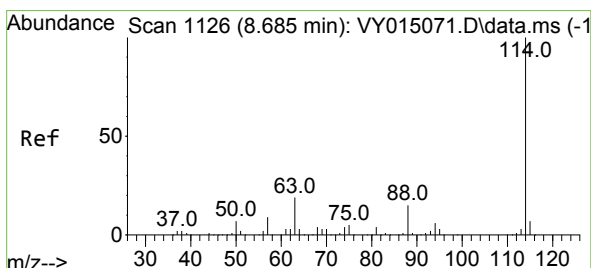
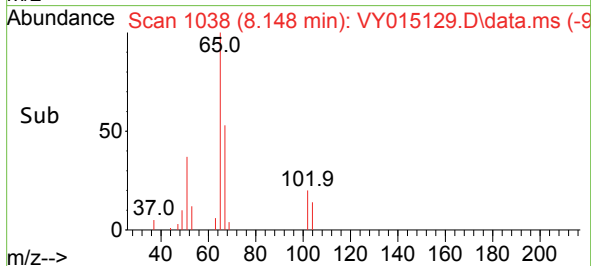
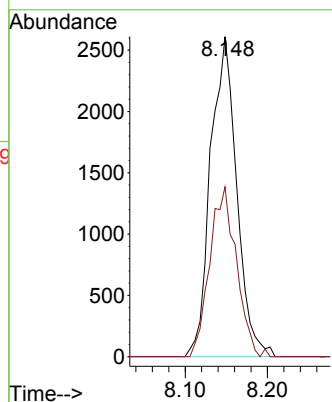


Tgt Ion: 65 Resp: 5770

Ion Ratio Lower Upper

65 100

67 53.6 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.012 min

Lab File: VY015129.D

Acq: 16 Aug 2023 02:06

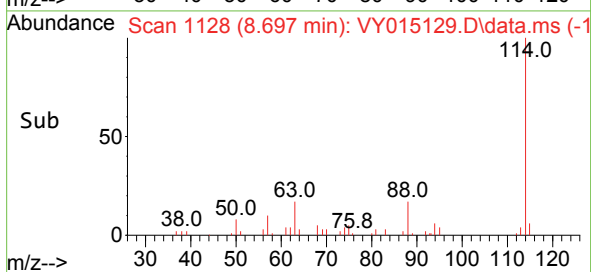
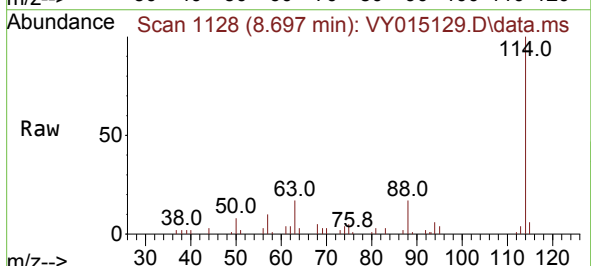
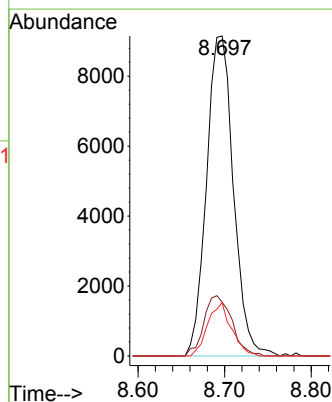
Tgt Ion: 114 Resp: 19772

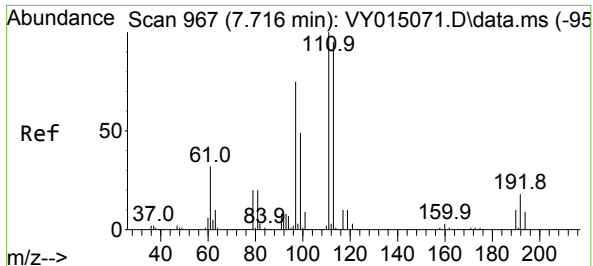
Ion Ratio Lower Upper

114 100

63 16.8 0.0 42.4

88 16.7 0.0 30.6

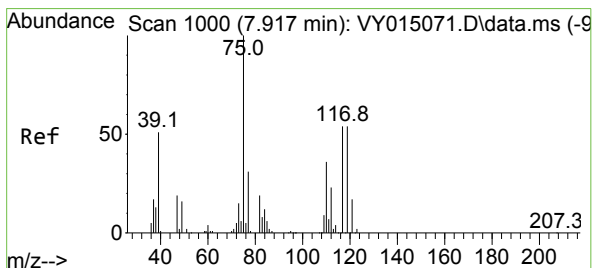
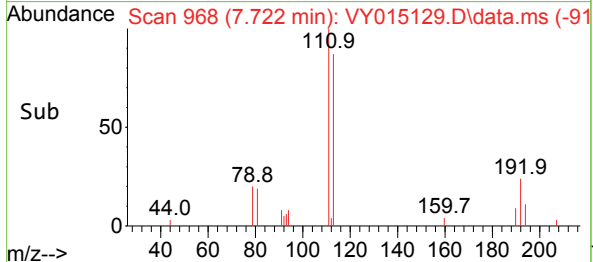
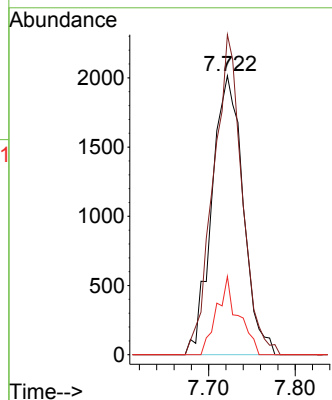
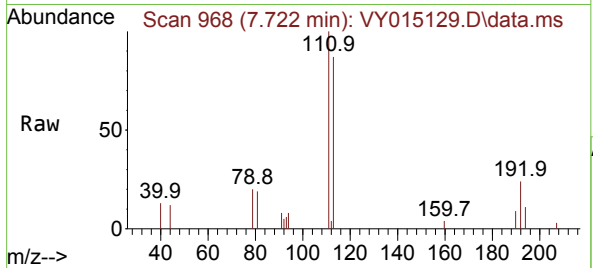




#35
Dibromofluoromethane
Concen: 39.717 ug/l
RT: 7.722 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY015129.D
Acq: 16 Aug 2023 02:06

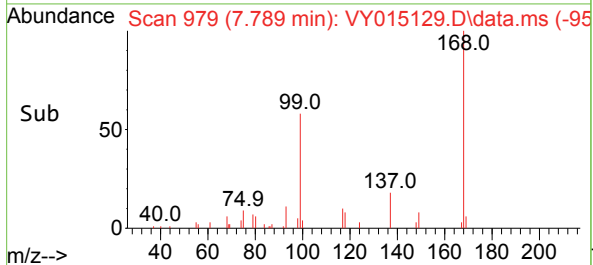
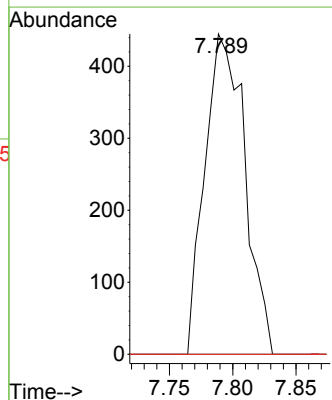
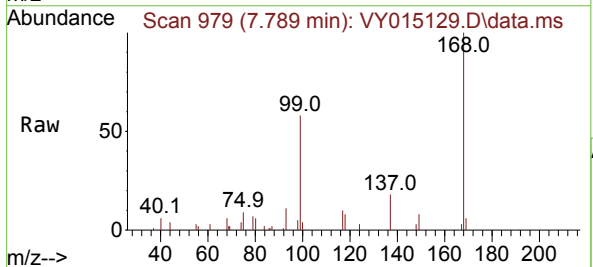
Instrument :
MSVOA_Y
ClientSampleId :

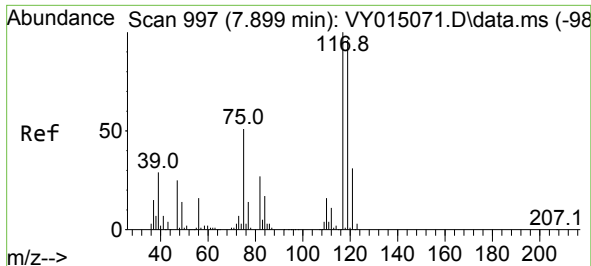
Tgt Ion:113 Resp: 5052
Ion Ratio Lower Upper
113 100
111 105.2 81.3 121.9
192 19.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 6.950 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY015129.D
Acq: 16 Aug 2023 02:06

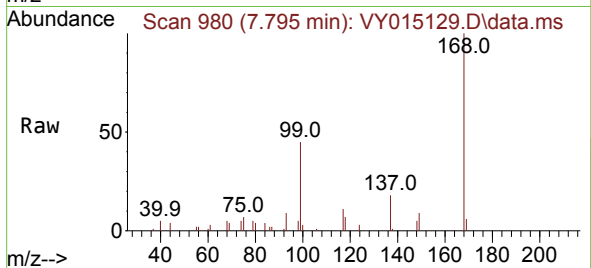
Tgt Ion: 75 Resp: 978
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.5#
77 0.0 24.4 36.6#



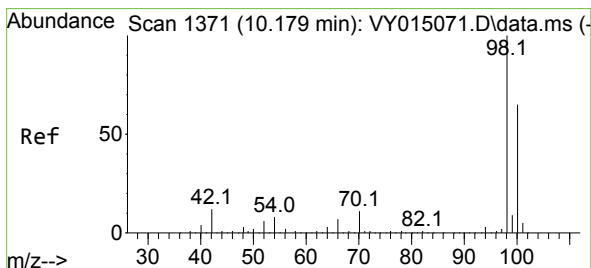
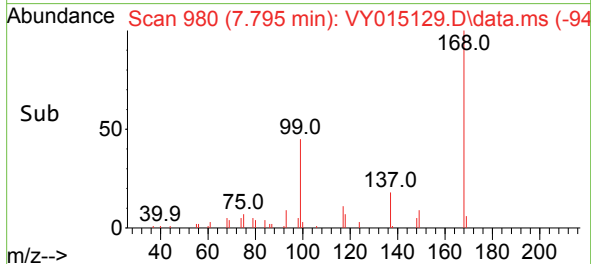
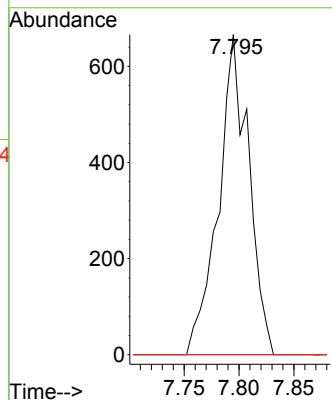


#38
Carbon Tetrachloride
Concen: 7.662 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY015129.D
Acq: 16 Aug 2023 02:06

Instrument :
MSVOA_Y
ClientSampleId :

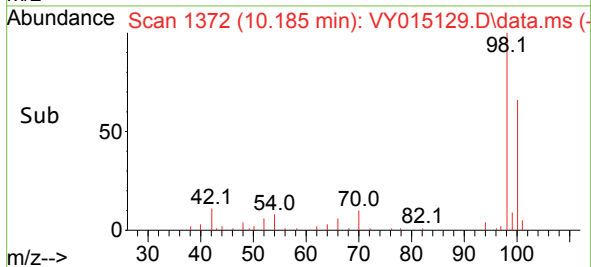
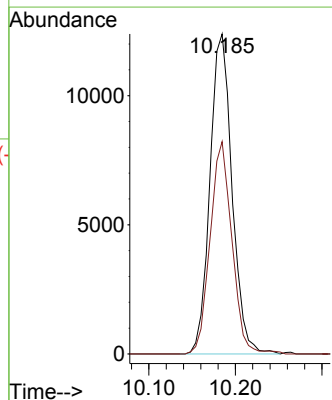
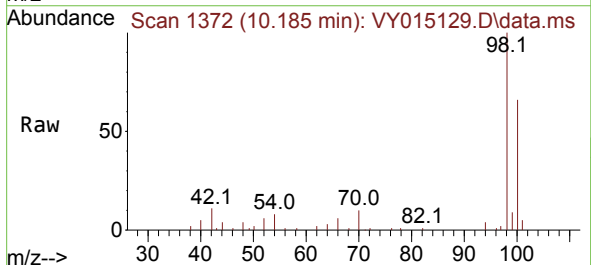


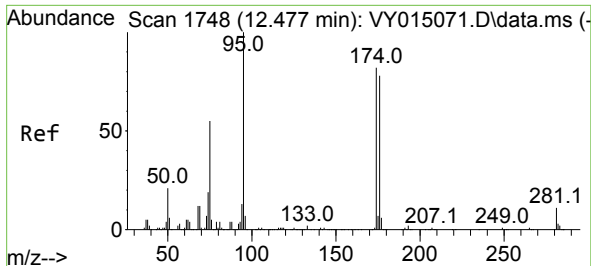
Tgt Ion:117 Resp: 1276
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 46.347 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY015129.D
Acq: 16 Aug 2023 02:06

Tgt Ion: 98 Resp: 21946
Ion Ratio Lower Upper
98 100
100 65.6 50.1 75.1

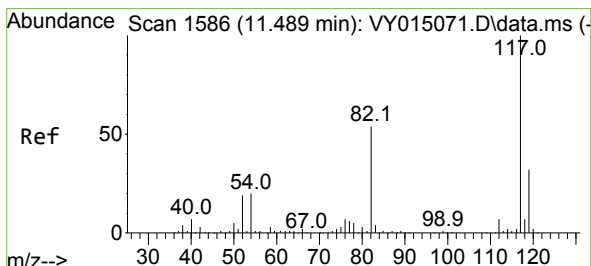
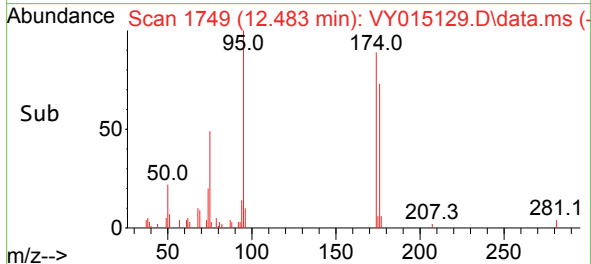
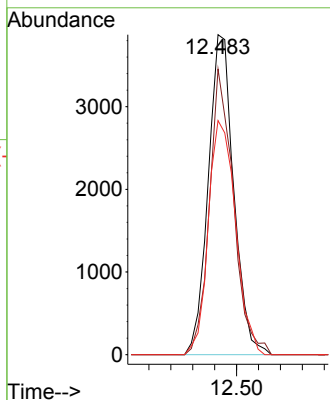
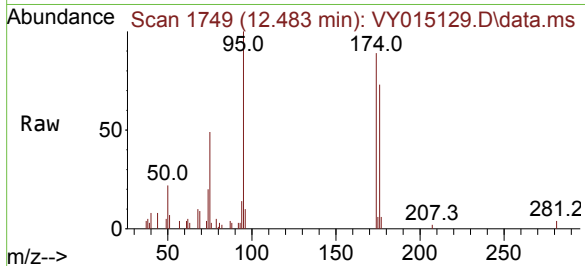




#62
4-Bromofluorobenzene
Concen: 36.196 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015129.D
Acq: 16 Aug 2023 02:06

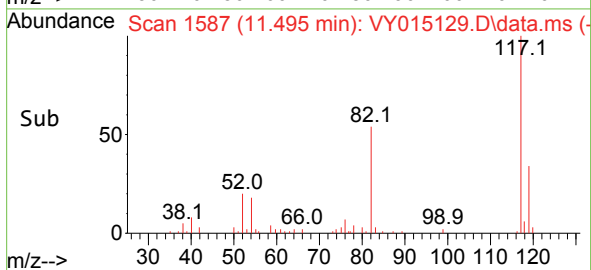
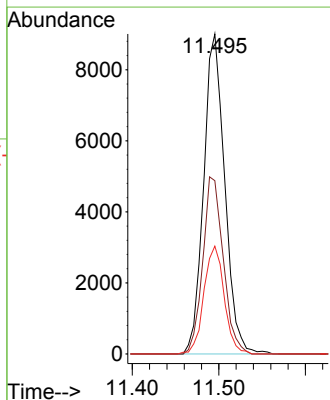
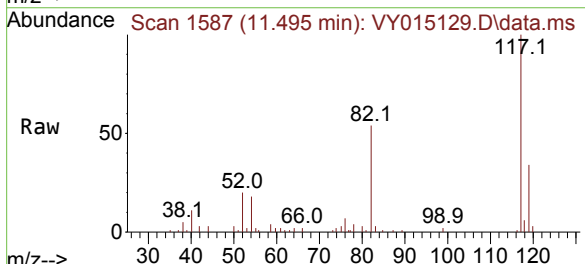
Instrument :
MSVOA_Y
ClientSampleId :

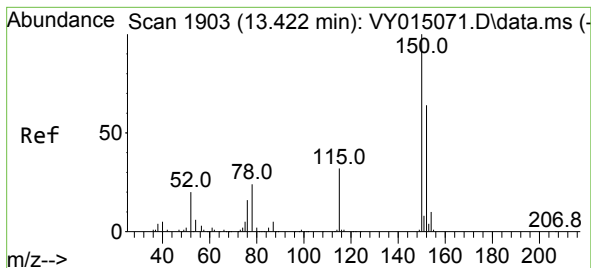
Tgt Ion: 95 Resp: 6260
Ion Ratio Lower Upper
95 100
174 83.9 0.0 178.2
176 78.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY015129.D
Acq: 16 Aug 2023 02:06

Tgt Ion: 117 Resp: 15235
Ion Ratio Lower Upper
117 100
82 54.1 43.4 65.0
119 33.7 26.3 39.5

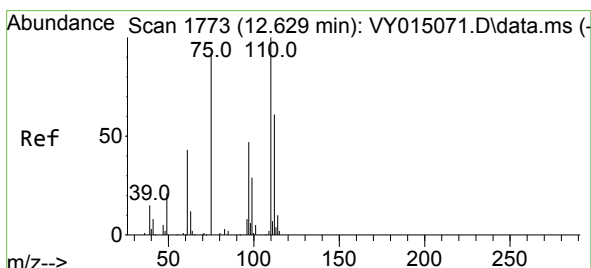
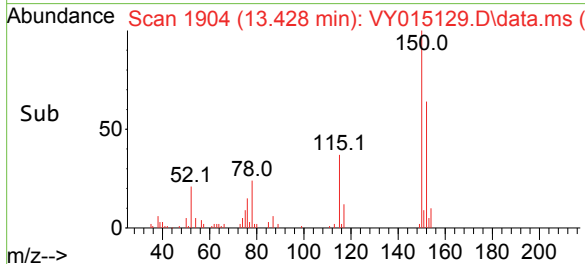
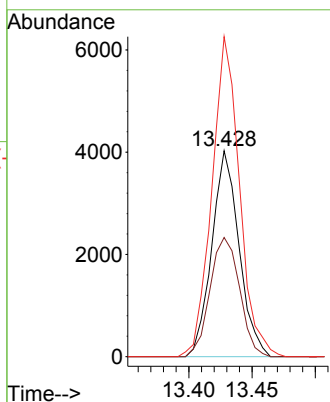
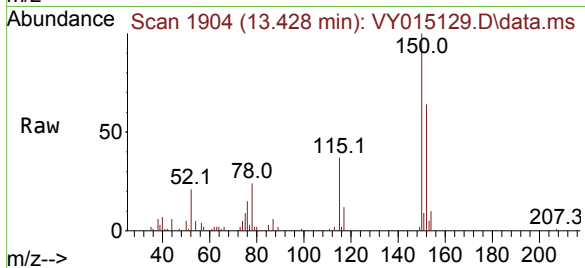




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY015129.D
 Acq: 16 Aug 2023 02:06

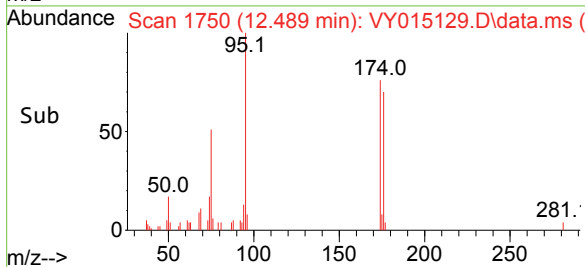
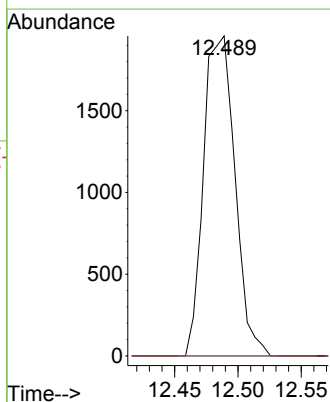
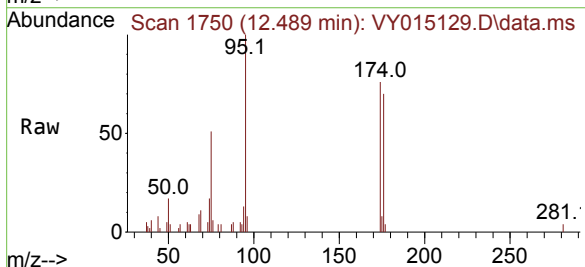
Instrument :
 MSVOA_Y
 ClientSampleId :

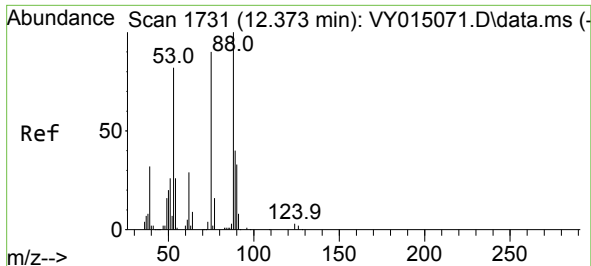
Tgt Ion:152 Resp: 6028
 Ion Ratio Lower Upper
 152 100
 115 62.8 28.8 86.5
 150 157.4 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 46.152 ug/l
 RT: 12.489 min Scan# 1750
 Delta R.T. -0.140 min
 Lab File: VY015129.D
 Acq: 16 Aug 2023 02:06

Tgt Ion: 75 Resp: 3380
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

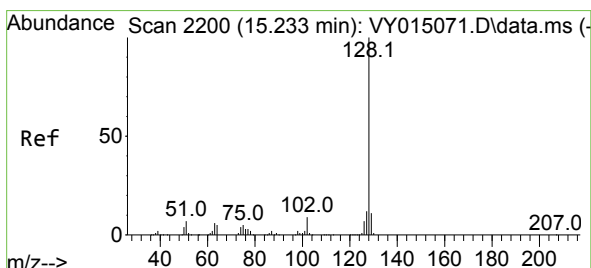
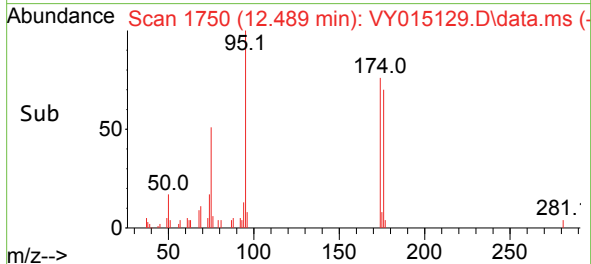
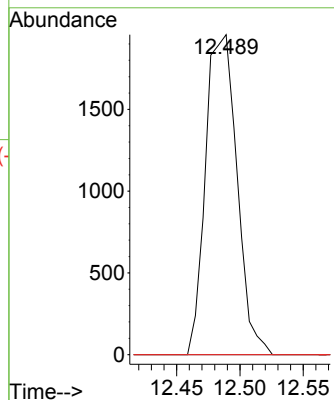
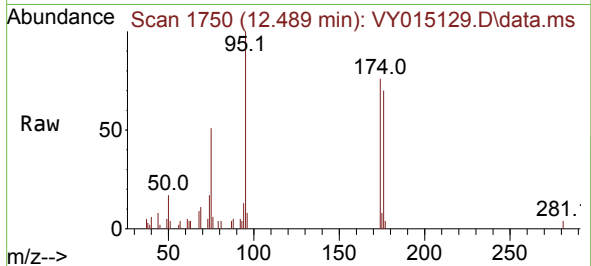




#81
trans-1,4-Dichloro-2-butene
Concen: 101.373 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.116 min
Lab File: VY015129.D
Acq: 16 Aug 2023 02:06

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 3380
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#95
Naphthalene
Concen: 1.250 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY015129.D
Acq: 16 Aug 2023 02:06

Tgt Ion:128 Resp: 350
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.6 13.0#

