

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032524\
 Data File : VY017751.D
 Acq On : 25 Mar 2024 12:37
 Operator : SY/MD
 Sample : P1847-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-02-032224

Quant Time: Mar 26 03:34:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032224S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 04:03:52 2024
 Response via : Initial Calibration

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

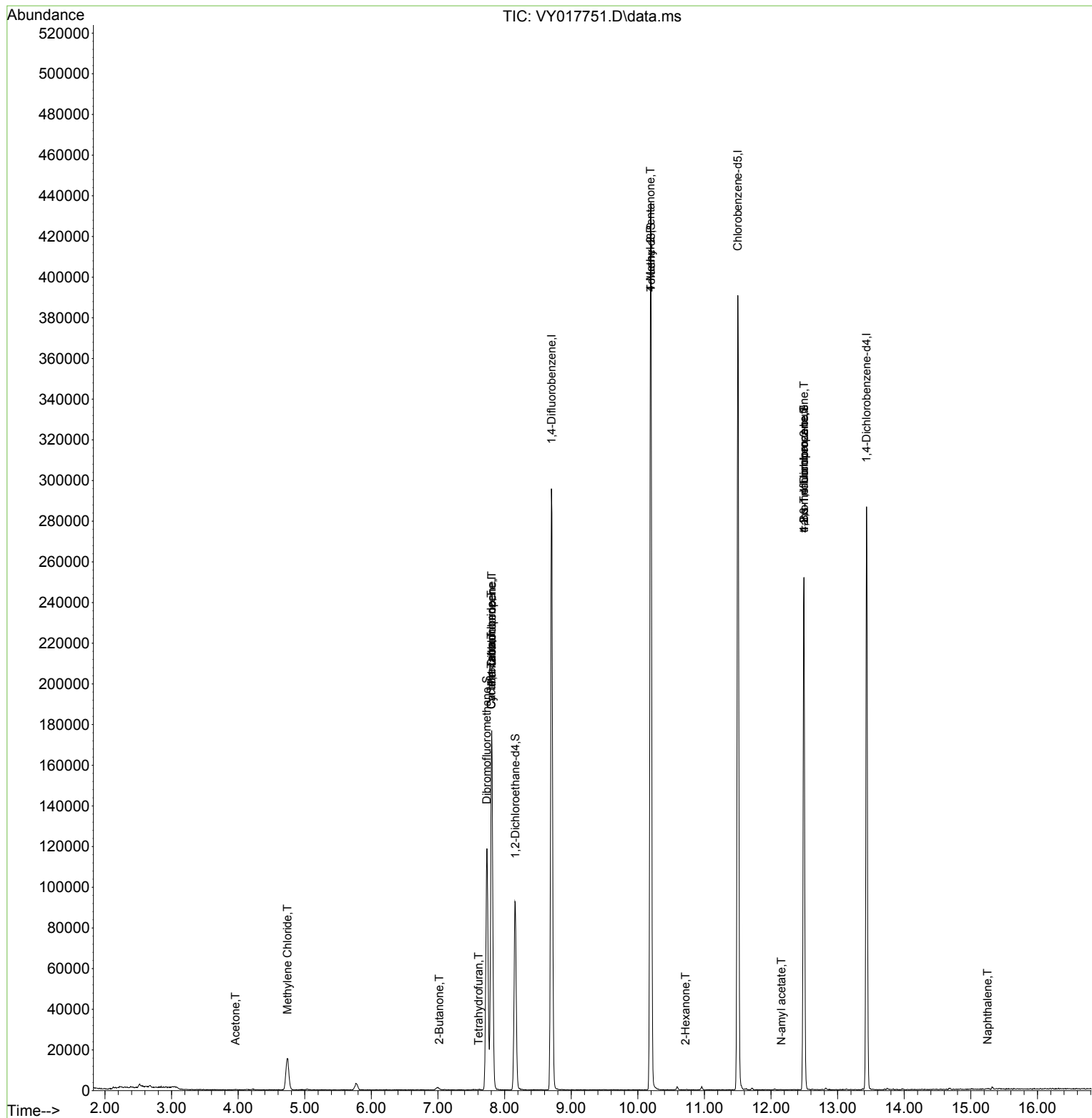
Internal Standards						
1) Pentafluorobenzene	7.807	168	143386	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	264214	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	224526	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	77274	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	73077	58.501	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.000%			
35) Dibromofluoromethane	7.734	113	84528	53.521	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.040%			
50) Toluene-d8	10.197	98	300623	49.734	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.460%			
62) 4-Bromofluorobenzene	12.495	95	76833	42.331	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 84.660%			
Target Compounds						Qvalue
16) Acetone	3.960	43	339	1.552	ug/l #	36
20) Methylene Chloride	4.741	84	12727	8.009	ug/l	96
25) 2-Butanone	7.021	43	57	8.119	ug/l #	41
29) Tetrahydrofuran	7.612	42	20	4.466	ug/l #	26
31) Cyclohexane	7.801	56	2660	1.077	ug/l #	13
36) 1,1-Dichloropropene	7.807	75	10258	4.204	ug/l #	48
38) Carbon Tetrachloride	7.801	117	13038	5.103	ug/l #	17
51) 4-Methyl-2-Pentanone	10.191	43	1101	6.719	ug/l #	1
59) 2-Hexanone	10.715	43	28	9.522	ug/l #	19
74) N-amyl acetate	12.154	43	54	2.358	ug/l #	37
76) 1,2,3-Trichloropropane	12.495	75	38915	54.535	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.495	75	38915	126.014	ug/l #	16
95) Naphthalene	15.251	128	455	2.824	ug/l #	69

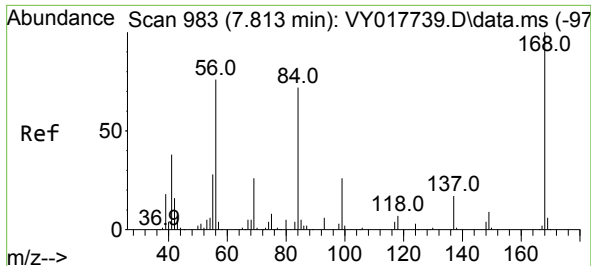
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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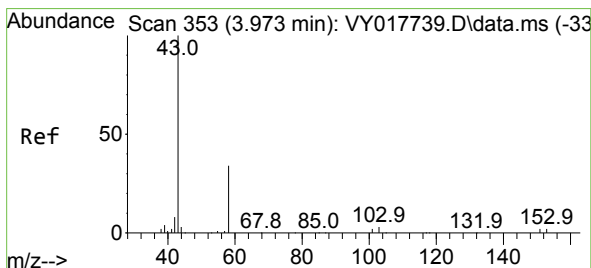
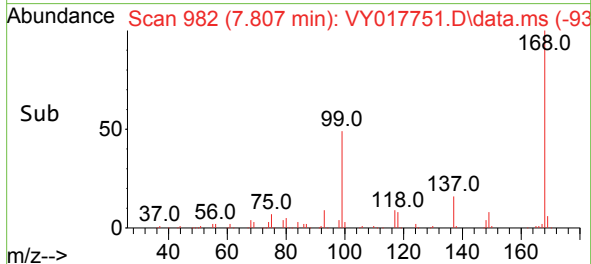
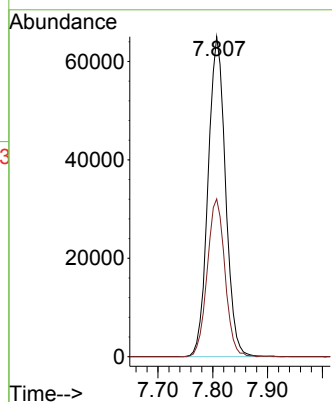
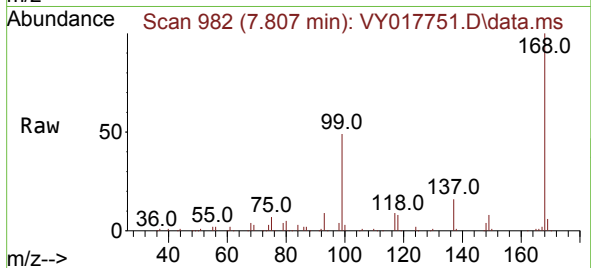




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017751.D
Acq: 25 Mar 2024 12:37

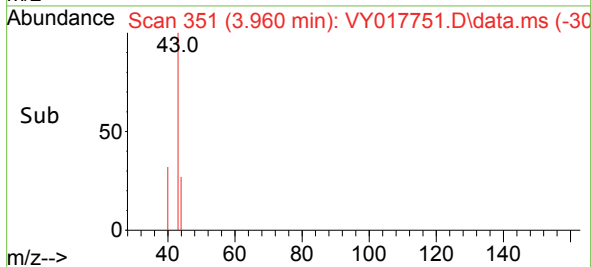
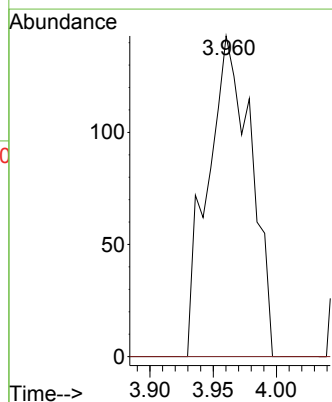
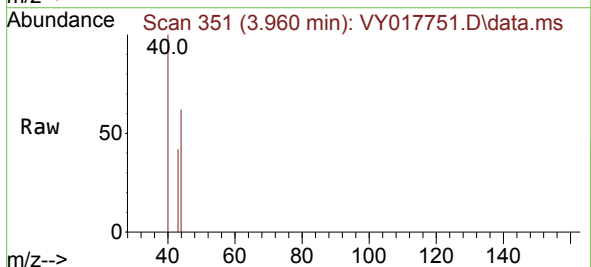
Instrument :
MSVOA_Y
ClientSampleId :
SU-02-032224

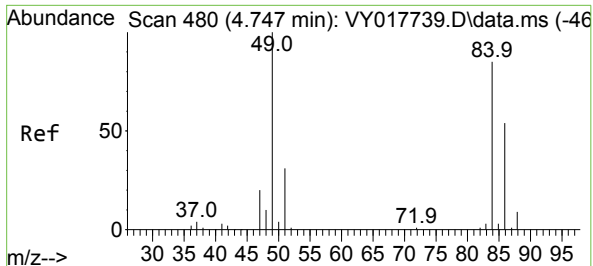
Tgt Ion:168 Resp: 143386
Ion Ratio Lower Upper
168 100
99 49.3 39.1 58.7



#16
Acetone
Concen: 1.552 ug/l
RT: 3.960 min Scan# 351
Delta R.T. -0.012 min
Lab File: VY017751.D
Acq: 25 Mar 2024 12:37

Tgt Ion: 43 Resp: 339
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#

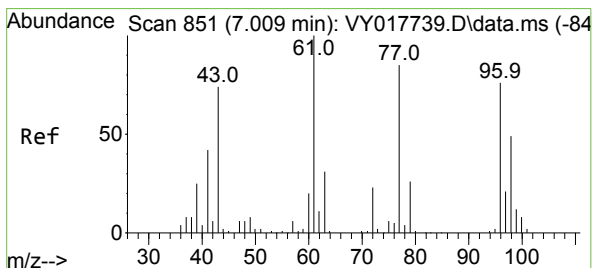
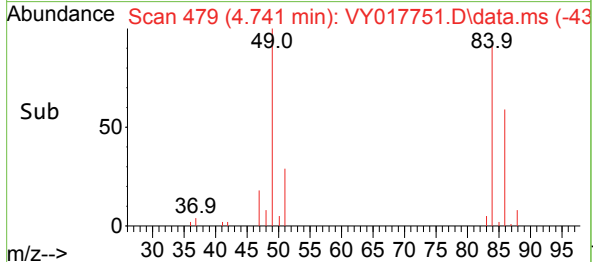
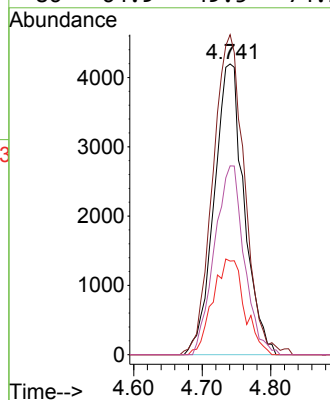
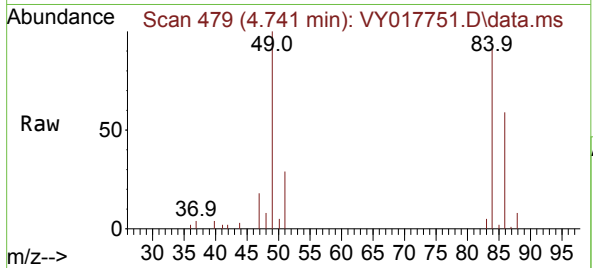




#20
Methylene Chloride
Concen: 8.009 ug/l
RT: 4.741 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY017751.D
Acq: 25 Mar 2024 12:37

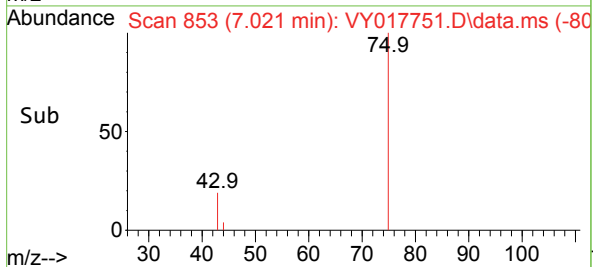
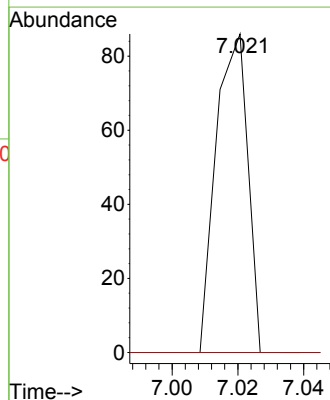
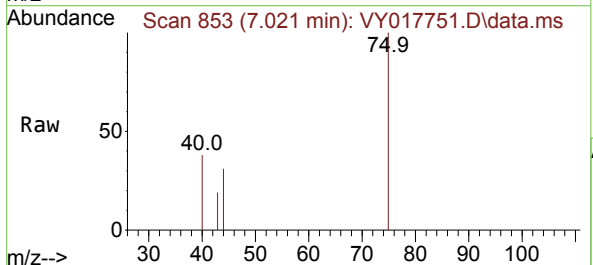
Instrument :
MSVOA_Y
ClientSampleId :
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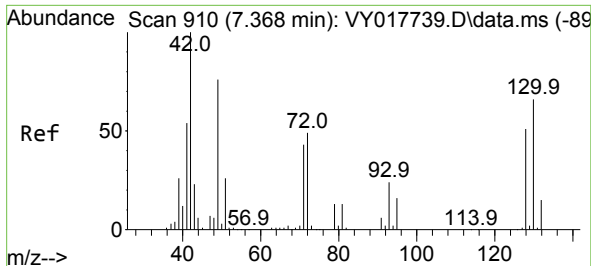
Tgt Ion:	84	Resp:	12727
Ion	Ratio	Lower	Upper
84	100		
49	110.1	84.4	126.6
51	32.2	26.0	39.0
86	64.9	49.5	74.3



#25
2-Butanone
Concen: 8.119 ug/l
RT: 7.021 min Scan# 853
Delta R.T. 0.012 min
Lab File: VY017751.D
Acq: 25 Mar 2024 12:37

Tgt Ion:	43	Resp:	57
Ion	Ratio	Lower	Upper
43	100		
72	0.0	27.3	40.9#





#29

Tetrahydrofuran

Concen: 4.466 ug/l

RT: 7.612 min Scan# 910

Delta R.T. 0.244 min

Lab File: VY017751.D

Acq: 25 Mar 2024 12:37

Instrument :

MSVOA_Y

ClientSampleId :

SU-02-032224

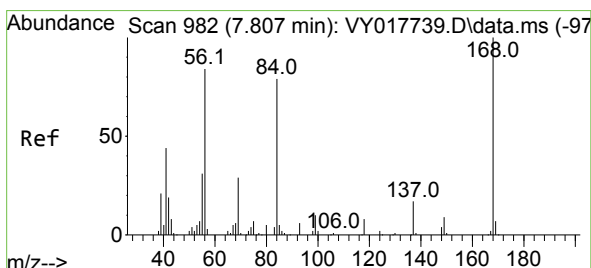
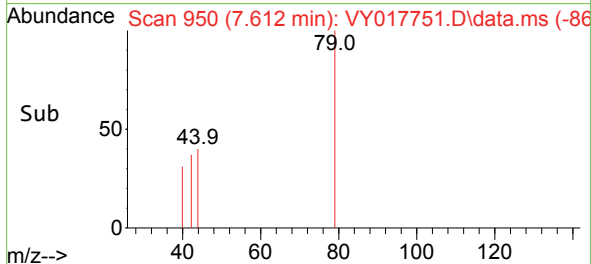
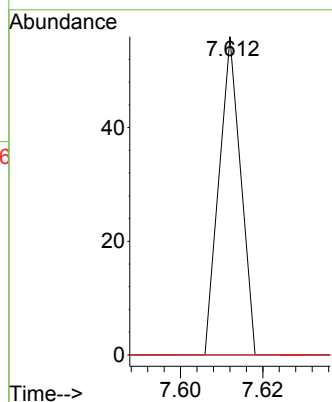
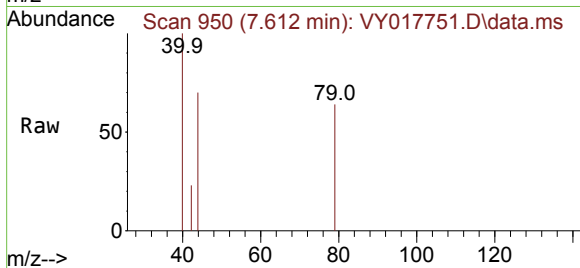
Tgt Ion: 42 Resp: 20

Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.4#

71 0.0 40.8 61.2#



#31

Cyclohexane

Concen: 1.077 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.006 min

Lab File: VY017751.D

Acq: 25 Mar 2024 12:37

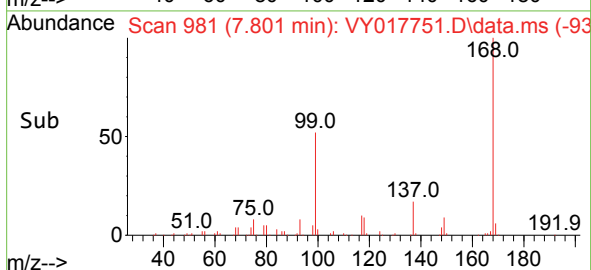
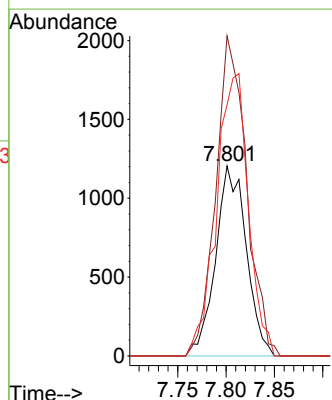
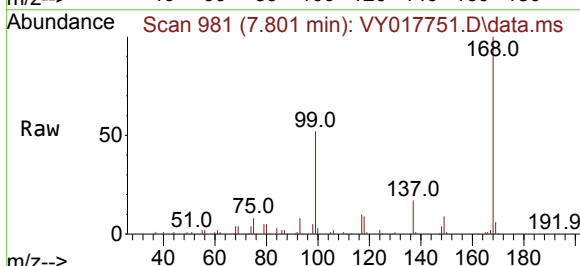
Tgt Ion: 56 Resp: 2660

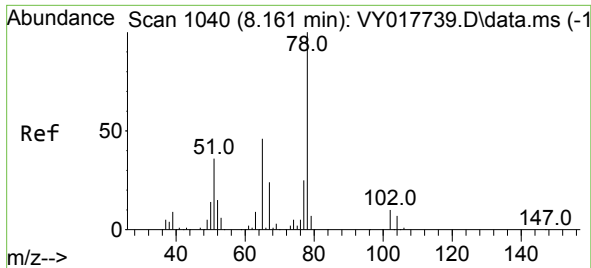
Ion Ratio Lower Upper

56 100

69 168.5 28.7 43.1#

84 132.3 77.7 116.5#

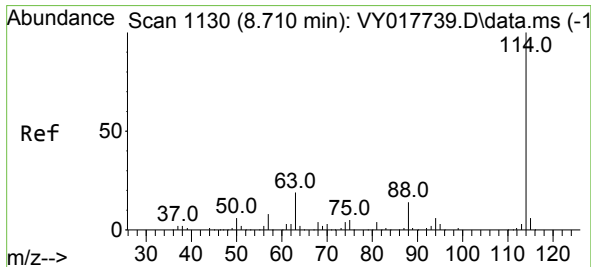
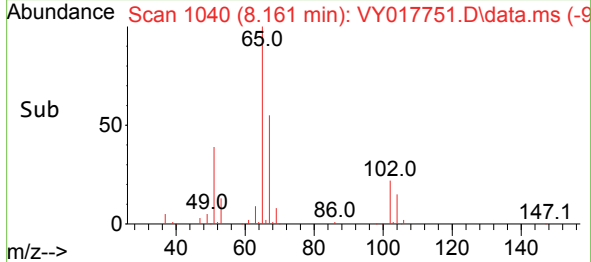
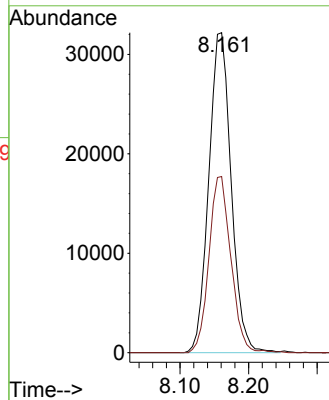
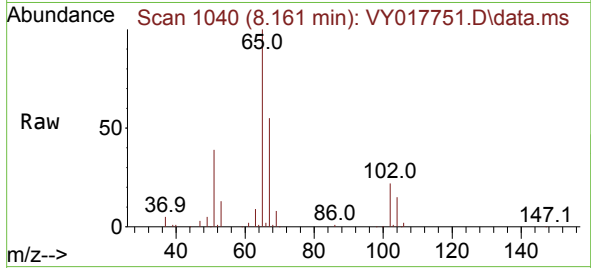




#33
 1,2-Dichloroethane-d4
 Concen: 58.501 ug/l
 RT: 8.161 min Scan# 1109
 Delta R.T. -0.000 min
 Lab File: VY017751.D
 Acq: 25 Mar 2024 12:37

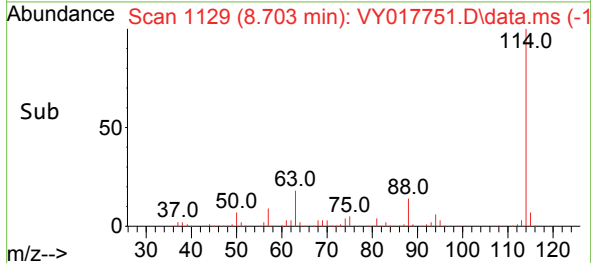
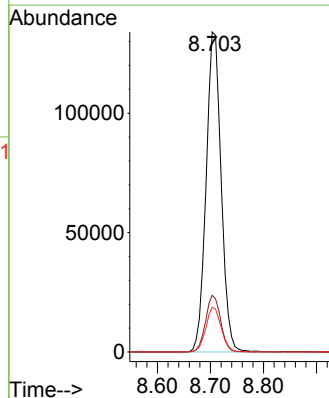
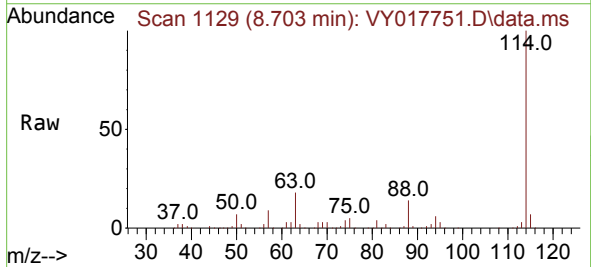
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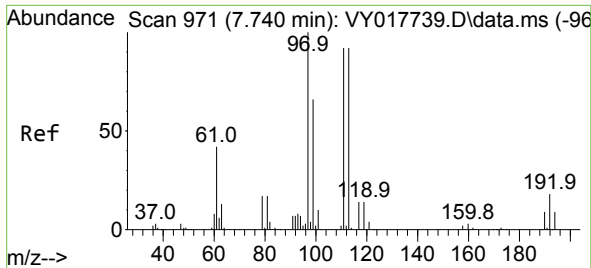
Tgt Ion: 65 Resp: 73077
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.703 min Scan# 1129
 Delta R.T. -0.006 min
 Lab File: VY017751.D
 Acq: 25 Mar 2024 12:37

Tgt Ion: 114 Resp: 264214
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 35.0
 88 13.9 0.0 27.2

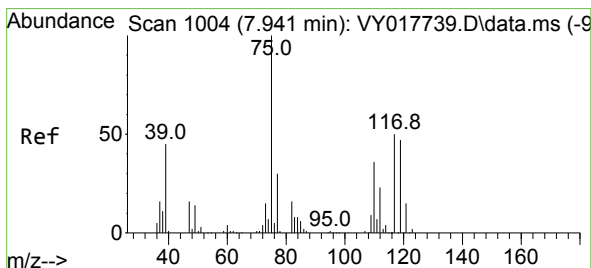
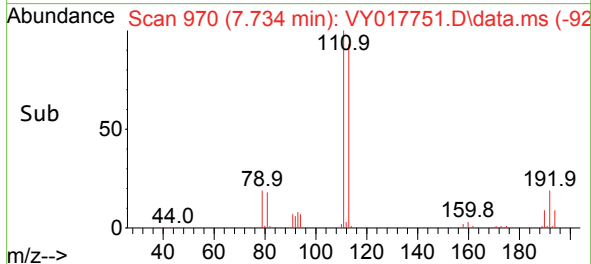
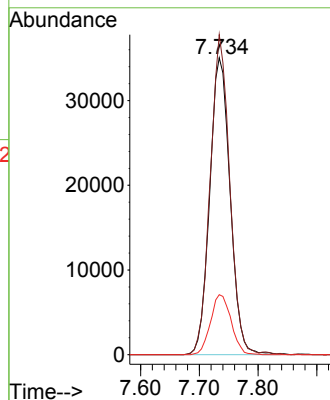
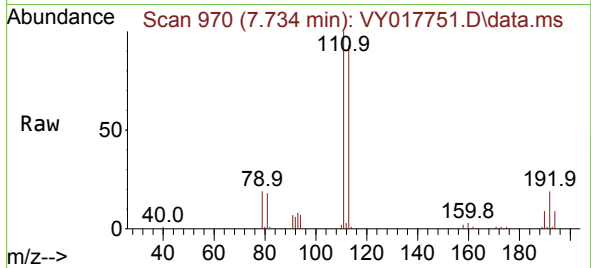




#35
Dibromofluoromethane
Concen: 53.521 ug/l
RT: 7.734 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017751.D
Acq: 25 Mar 2024 12:37

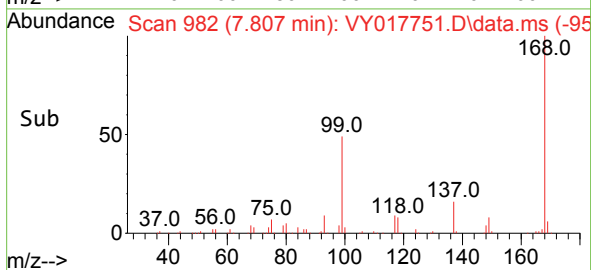
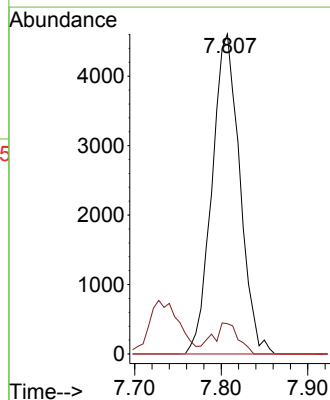
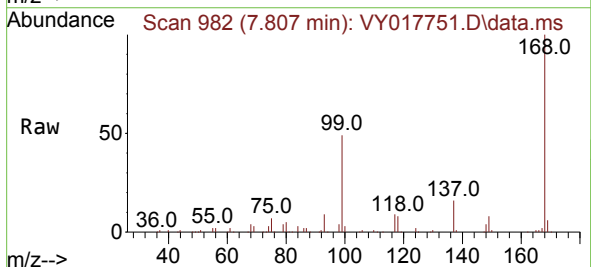
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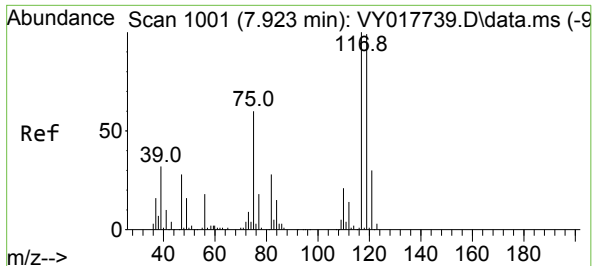
Tgt Ion:113 Resp: 84528
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.4
192 20.4 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.204 ug/l
RT: 7.807 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY017751.D
Acq: 25 Mar 2024 12:37

Tgt Ion: 75 Resp: 10258
Ion Ratio Lower Upper
75 100
110 9.0 19.0 57.0#
77 0.0 25.3 37.9#

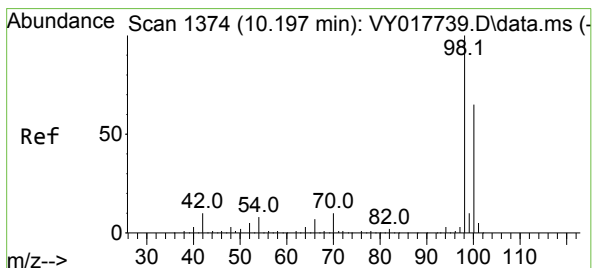
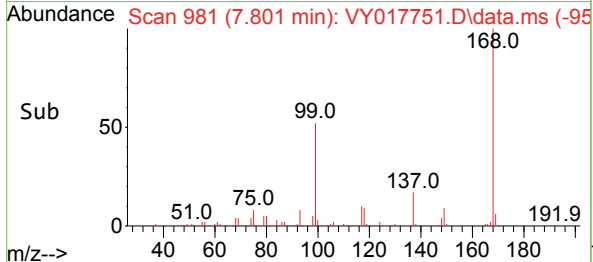
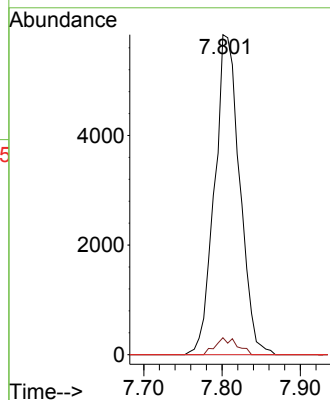
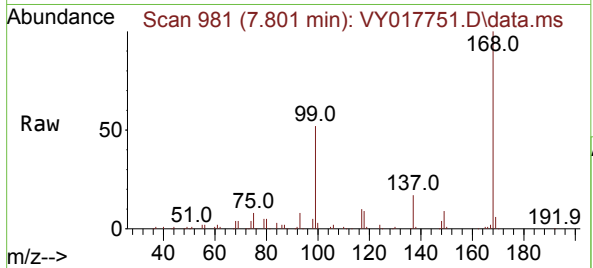




#38
Carbon Tetrachloride
Concen: 5.103 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY017751.D
Acq: 25 Mar 2024 12:37

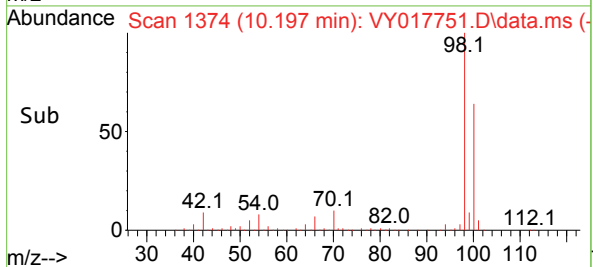
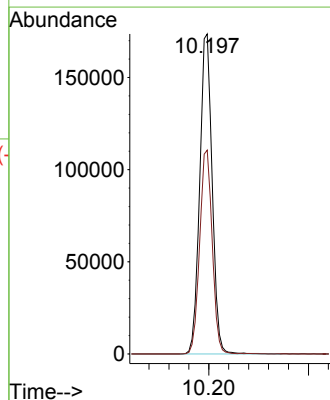
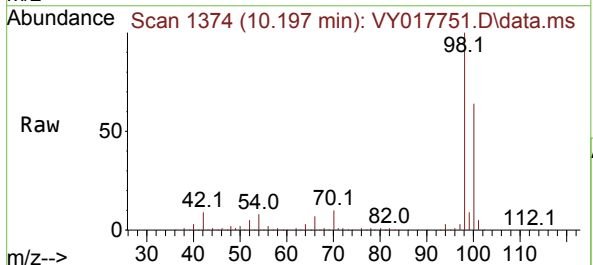
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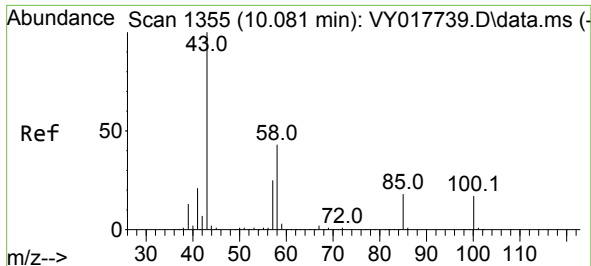
Tgt Ion:117 Resp: 13038
Ion Ratio Lower Upper
117 100
119 5.3 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 49.734 ug/l
RT: 10.197 min Scan# 1374
Delta R.T. -0.000 min
Lab File: VY017751.D
Acq: 25 Mar 2024 12:37

Tgt Ion: 98 Resp: 300623
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0

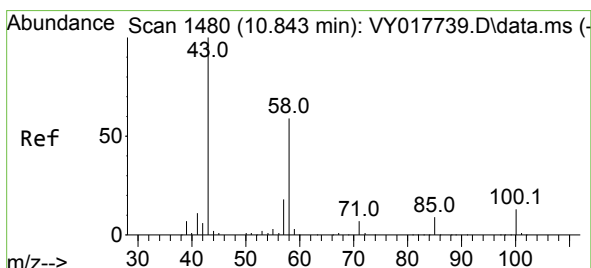
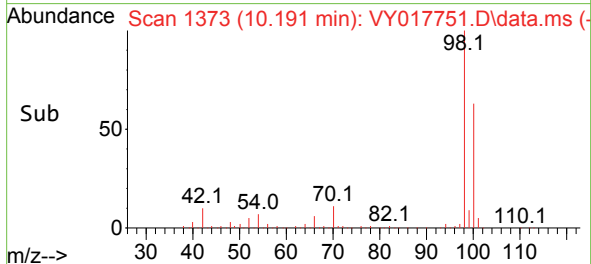
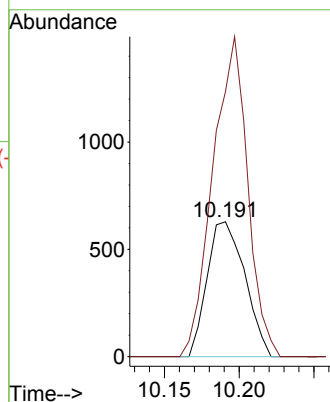
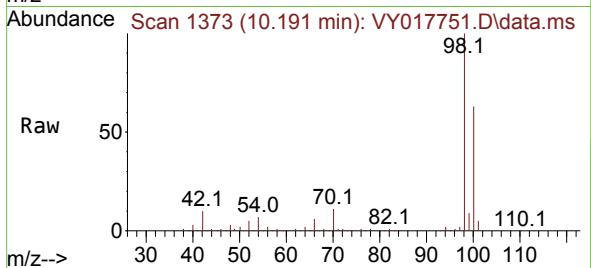




#51
4-Methyl-2-Pentanone
Concen: 6.719 ug/l
RT: 10.191 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY017751.D
Acq: 25 Mar 2024 12:37

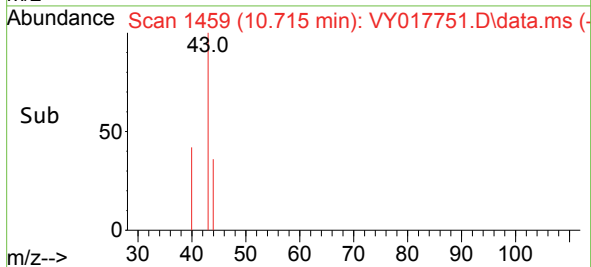
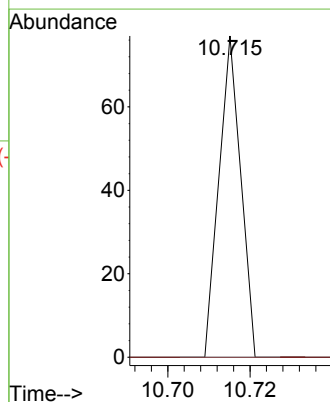
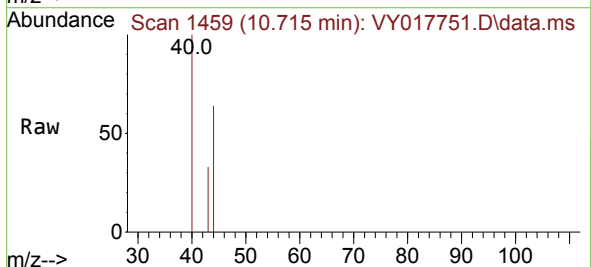
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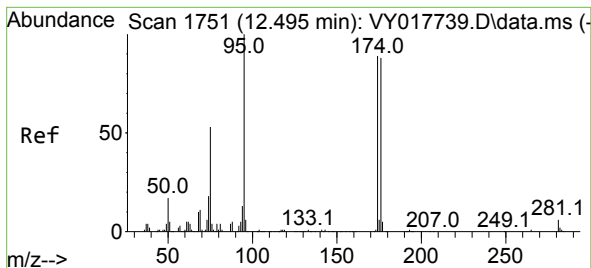
Tgt Ion: 43 Resp: 1101
Ion Ratio Lower Upper
43 100
58 219.2 35.7 53.5#



#59
2-Hexanone
Concen: 9.522 ug/l
RT: 10.715 min Scan# 1459
Delta R.T. -0.128 min
Lab File: VY017751.D
Acq: 25 Mar 2024 12:37

Tgt Ion: 43 Resp: 28
Ion Ratio Lower Upper
43 100
58 0.0 31.4 94.0#

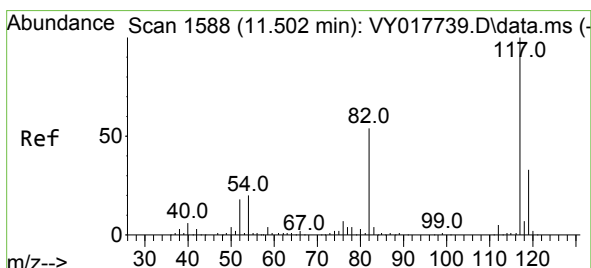
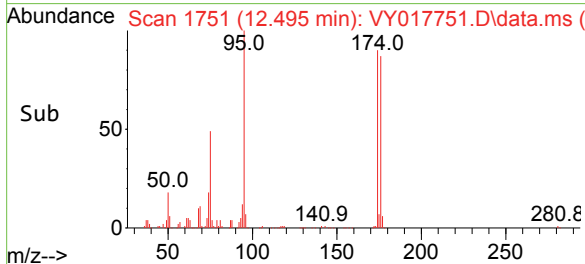
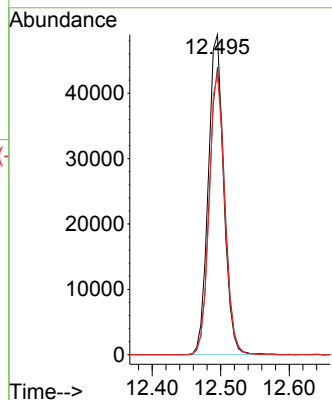
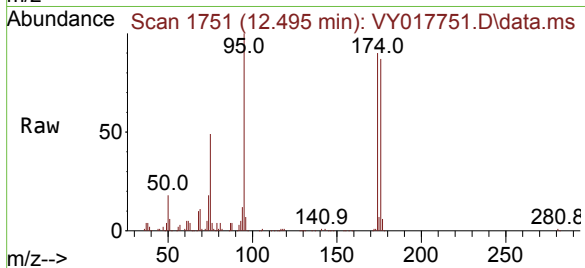




#62
4-Bromofluorobenzene
Concen: 42.331 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. -0.000 min
Lab File: VY017751.D
Acq: 25 Mar 2024 12:37

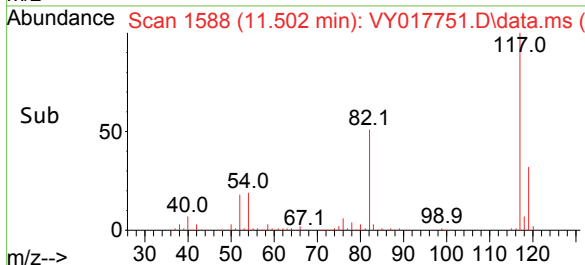
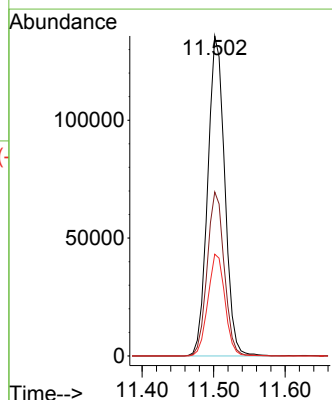
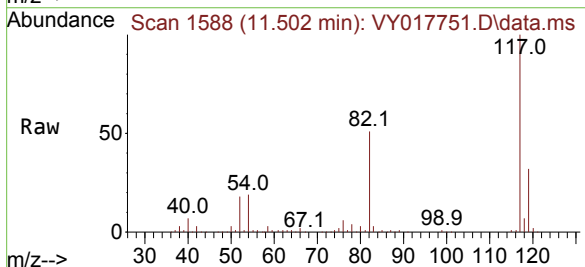
Instrument :
MSVOA_Y
ClientSampleId :
SU-02-032224

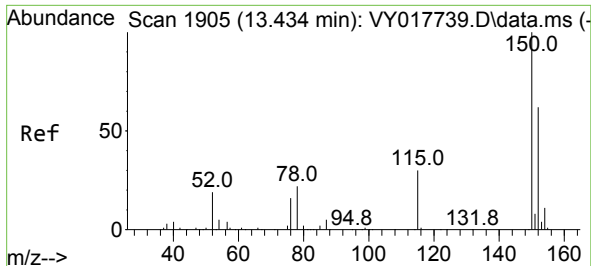
Tgt Ion: 95 Resp: 76833
Ion Ratio Lower Upper
95 100
174 90.7 0.0 175.6
176 88.3 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. -0.000 min
Lab File: VY017751.D
Acq: 25 Mar 2024 12:37

Tgt Ion: 117 Resp: 224526
Ion Ratio Lower Upper
117 100
82 51.3 42.4 63.6
119 31.8 25.9 38.9

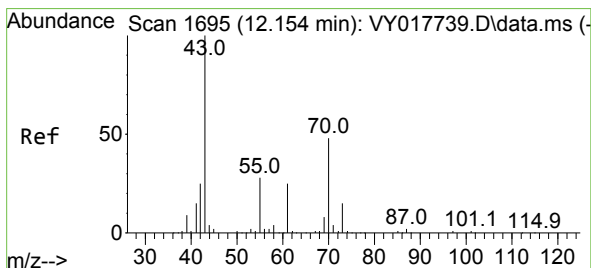
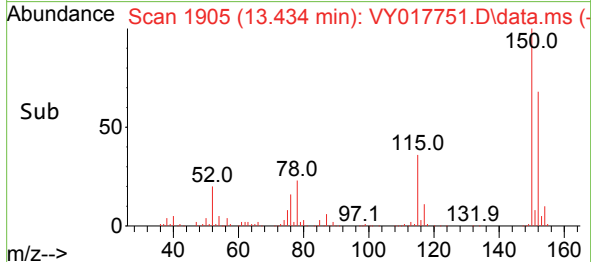
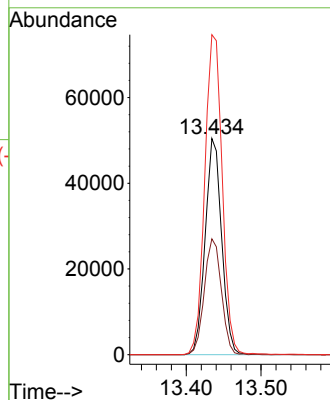
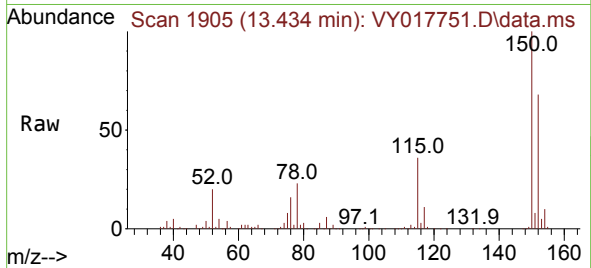




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.434 min Scan# 1905
 Delta R.T. -0.000 min
 Lab File: VY017751.D
 Acq: 25 Mar 2024 12:37

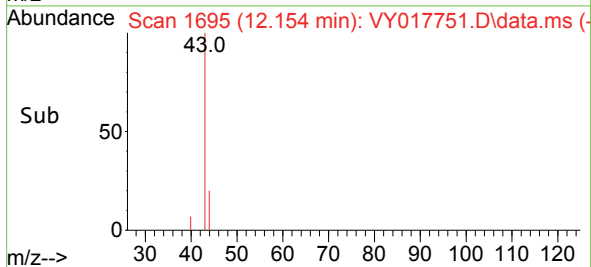
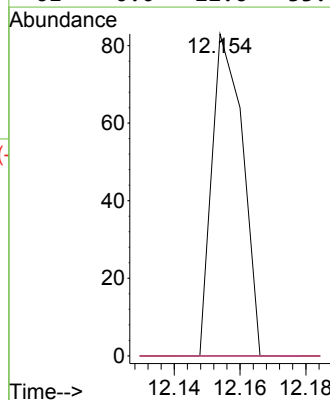
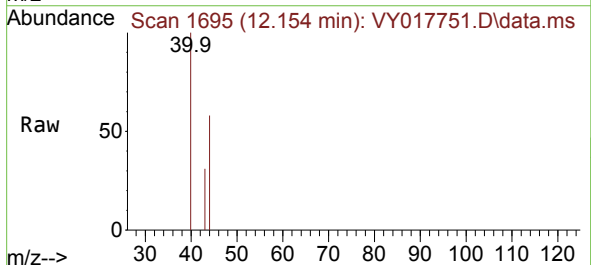
Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-02-032224

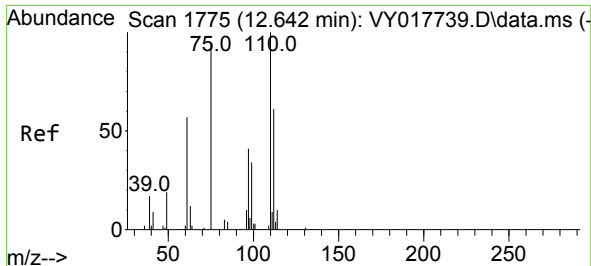
Tgt Ion:152 Resp: 77274
 Ion Ratio Lower Upper
 152 100
 115 55.5 28.2 84.7
 150 156.5 0.0 345.6



#74
 N-ethyl acetate
 Concen: 2.358 ug/l
 RT: 12.154 min Scan# 1695
 Delta R.T. -0.000 min
 Lab File: VY017751.D
 Acq: 25 Mar 2024 12:37

Tgt Ion: 43 Resp: 54
 Ion Ratio Lower Upper
 43 100
 70 0.0 41.4 62.2#
 55 0.0 23.3 34.9#
 61 0.0 22.6 33.8#

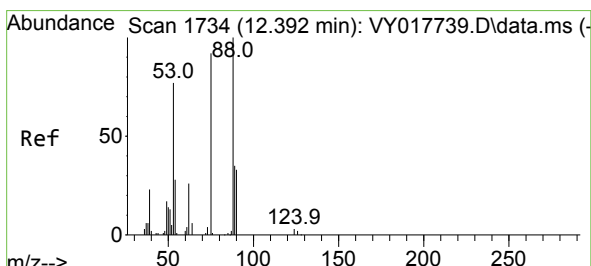
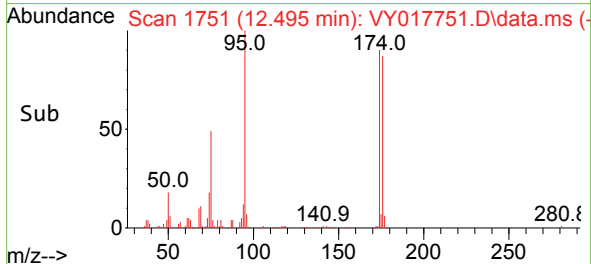
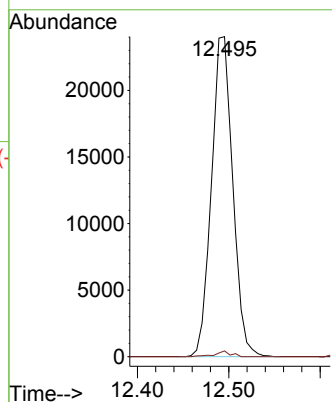
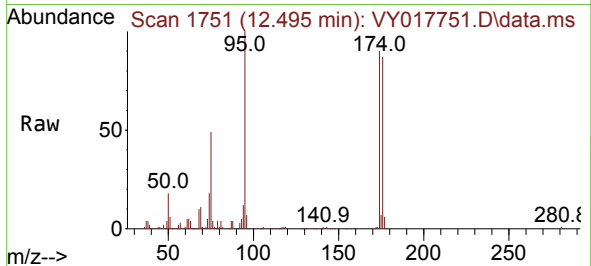




#76
1,2,3-Trichloropropane
Concen: 54.535 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. -0.146 min
Lab File: VY017751.D
Acq: 25 Mar 2024 12:37

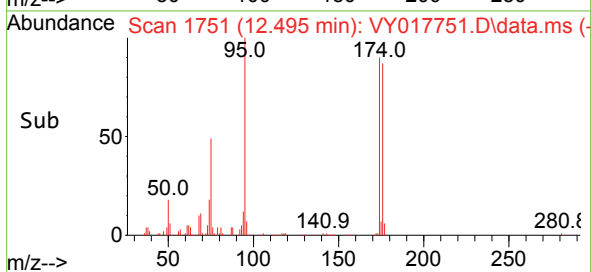
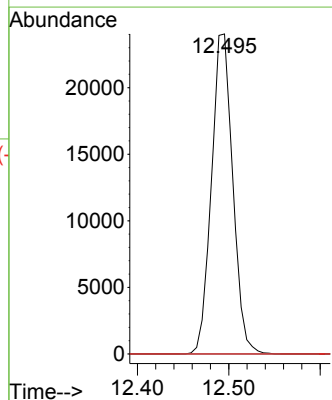
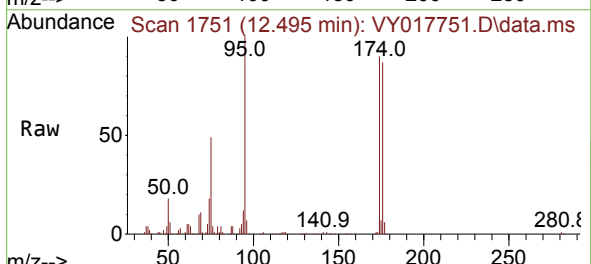
Instrument :
MSVOA_Y
ClientSampleId :
SU-02-032224

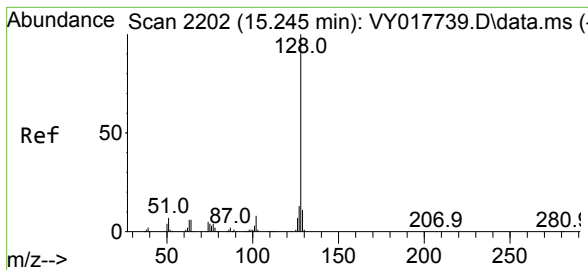
Tgt Ion: 75 Resp: 38915
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.014 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.103 min
Lab File: VY017751.D
Acq: 25 Mar 2024 12:37

Tgt Ion: 75 Resp: 38915
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#





#95
 Naphthalene
 Concen: 2.824 ug/l
 RT: 15.251 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY017751.D
 Acq: 25 Mar 2024 12:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-02-032224

Tgt Ion:128	Resp:	455
Ion	Ratio	Lower Upper
128	100	
127	0.0	10.6 16.0#
129	0.0	8.6 13.0#

