

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
 Data File : VY020365.D
 Acq On : 20 Nov 2024 17:24
 Operator : SY/MD
 Sample : P4849-01
 Misc : 5.62g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 21 00:50:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 04:38:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	180085	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	325095	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	294030	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	110294	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	102609	49.594	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.180%
35) Dibromofluoromethane	7.640	113	97821	46.926	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.860%
50) Toluene-d8	10.109	98	378021	46.034	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.060%
62) 4-Bromofluorobenzene	12.408	95	124509	47.166	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	94.340%

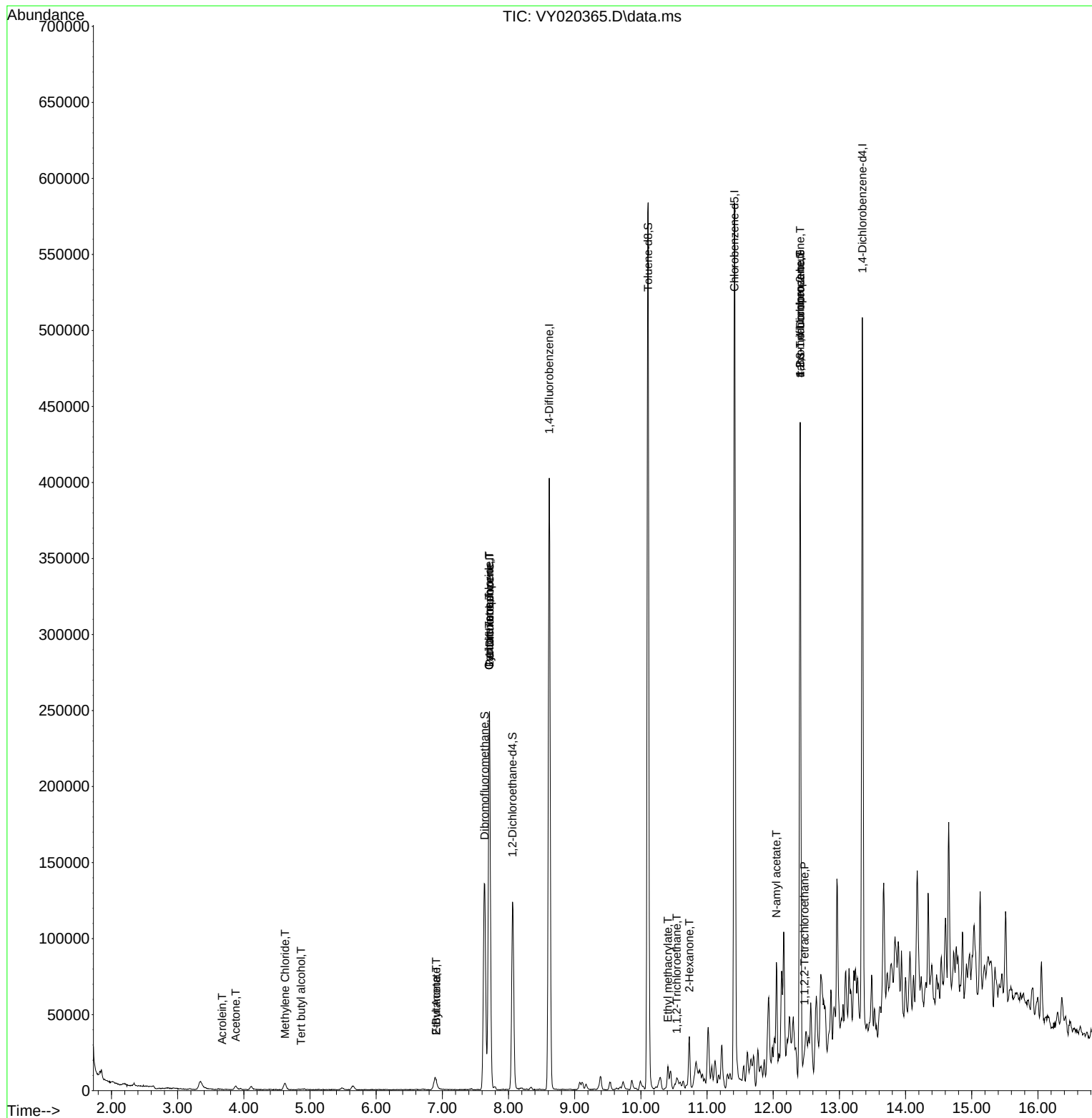
Target Compounds					Qvalue	
3) Chloromethane	2.080	50	72	Below Cal	#	41
11) Tert butyl alcohol	4.866	59	328	1.386	ug/l #	73
13) Acrolein	3.671	56	144	1.124	ug/l #	14
16) Acetone	3.879	43	4811	9.700	ug/l	98
20) Methylene Chloride	4.622	84	2990	1.424	ug/l	92
25) 2-Butanone	6.909	43	2324	3.640	ug/l	92
31) Cyclohexane	7.707	56	4182	1.084	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	15889	4.990	ug/l #	52
37) Ethyl Acetate	6.909	43	2324	1.593	ug/l #	89
38) Carbon Tetrachloride	7.707	117	19770	5.947	ug/l #	15
55) 1,1,2-Trichloroethane	10.542	97	1983	1.309	ug/l #	18
56) Ethyl methacrylate	10.408	69	5581	2.454	ug/l #	68
59) 2-Hexanone	10.731	43	13384	13.131	ug/l #	30
74) N-amyl acetate	12.048	43	16920	7.494	ug/l #	64
75) 1,1,2,2-Tetrachloroethane	12.475	83	2334	1.546	ug/l #	25
76) 1,2,3-Trichloropropane	12.408	75	69764	67.110	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	69764	131.498	ug/l #	10

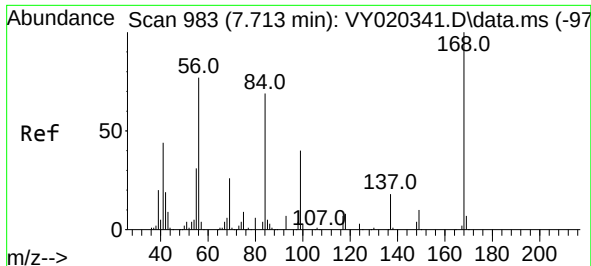
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 21 00:50:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

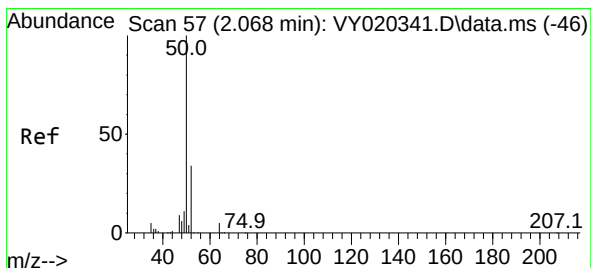
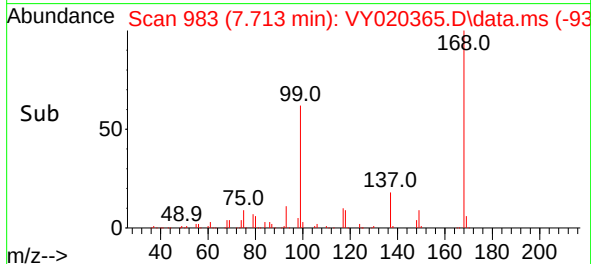
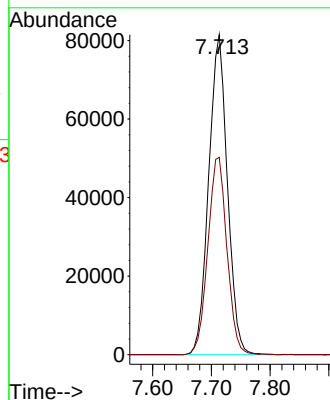
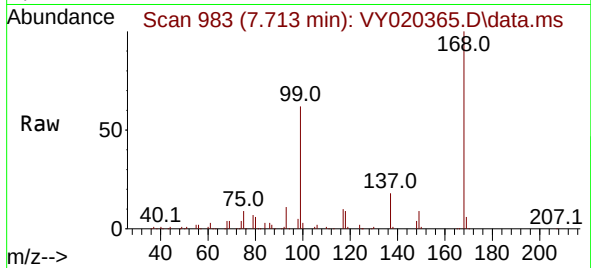




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020365.D
Acq: 20 Nov 2024 17:24

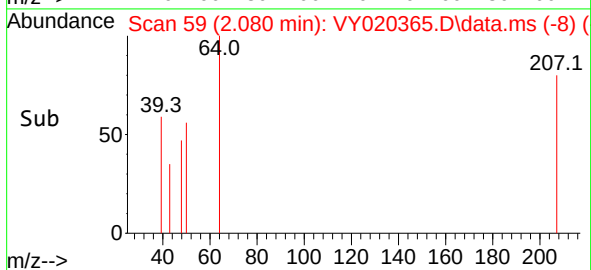
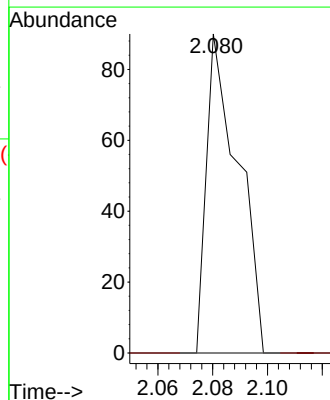
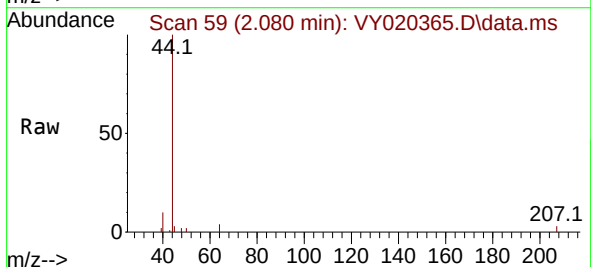
Instrument :
MSVOA_Y
ClientSampleId :

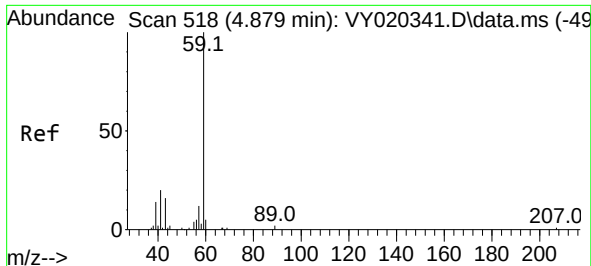
Tgt Ion:168 Resp: 180085
Ion Ratio Lower Upper
168 100
99 61.7 46.6 69.8



#3
Chloromethane
Concen: Below Cal
RT: 2.080 min Scan# 59
Delta R.T. 0.012 min
Lab File: VY020365.D
Acq: 20 Nov 2024 17:24

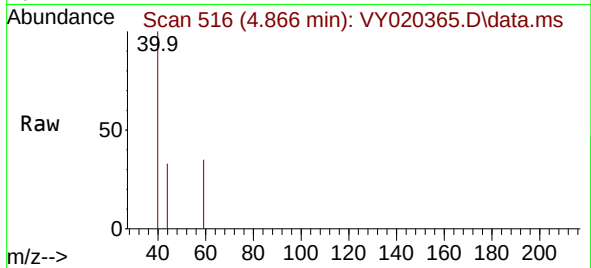
Tgt Ion: 50 Resp: 72
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#



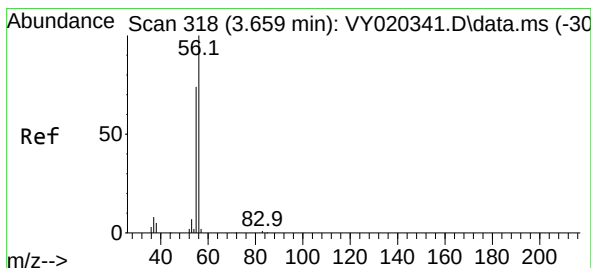
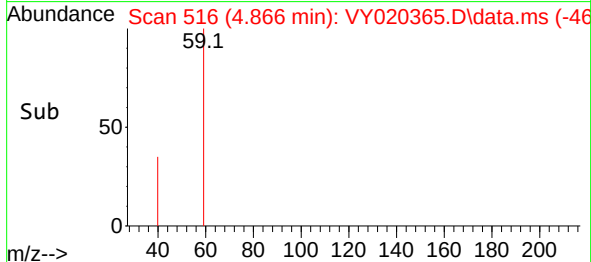
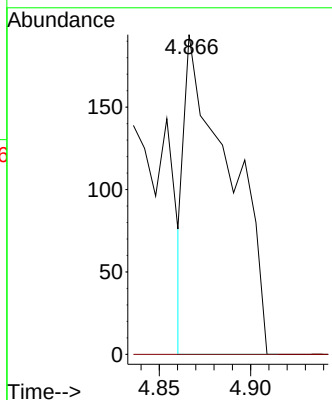


#11
Tert butyl alcohol
Concen: 1.386 ug/l
RT: 4.866 min Scan# 51
Delta R.T. -0.012 min
Lab File: VY020365.D
Acq: 20 Nov 2024 17:24

Instrument :
MSVOA_Y
ClientSampleId :

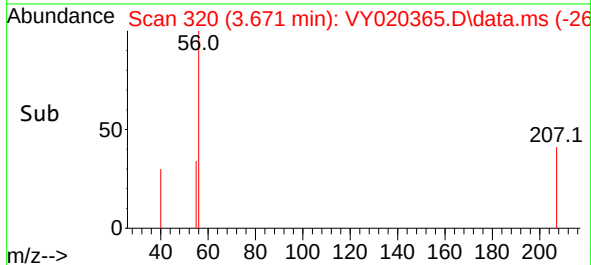
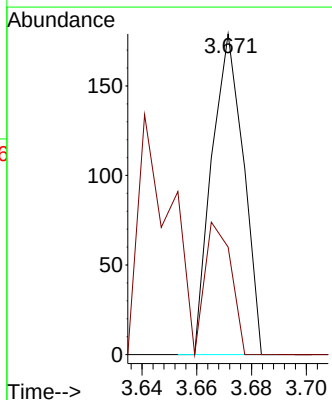
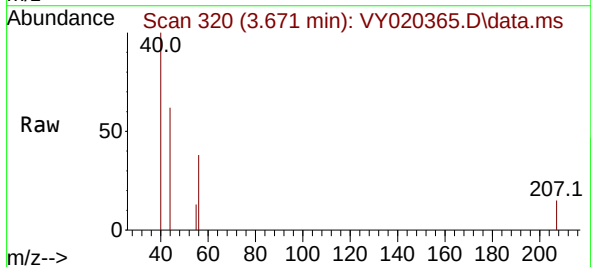


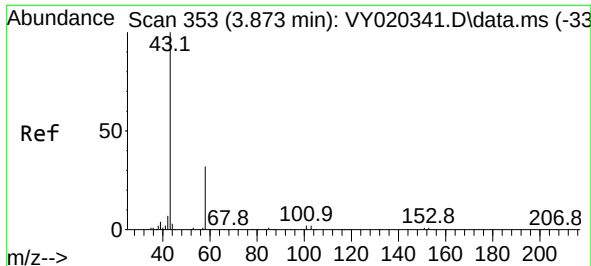
Tgt Ion: 59 Resp: 328
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: 1.124 ug/l
RT: 3.671 min Scan# 320
Delta R.T. 0.012 min
Lab File: VY020365.D
Acq: 20 Nov 2024 17:24

Tgt Ion: 56 Resp: 144
Ion Ratio Lower Upper
56 100
55 0.0 57.7 86.5#





#16

Acetone

Concen: 9.700 ug/l

RT: 3.879 min Scan# 3

Delta R.T. 0.006 min

Lab File: VY020365.D

Acq: 20 Nov 2024 17:24

Instrument :

MSVOA_Y

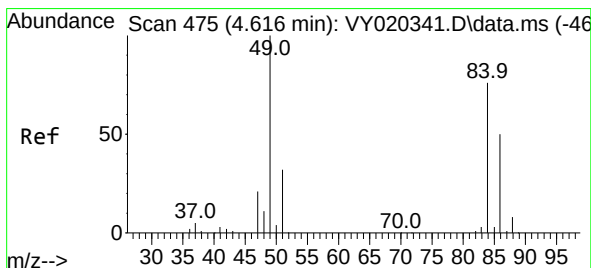
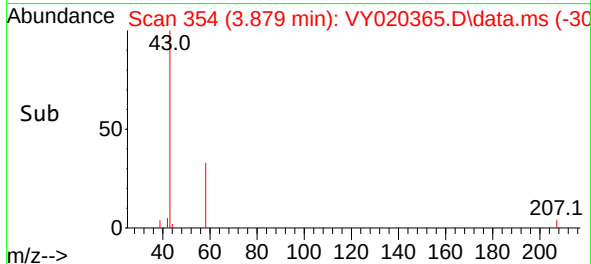
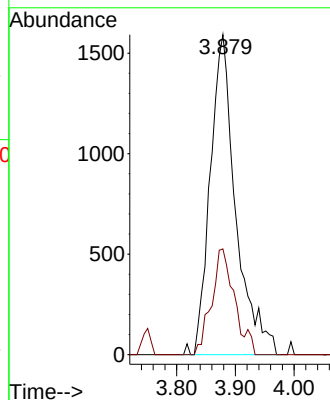
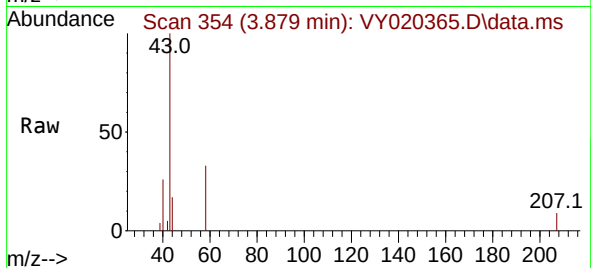
ClientSampleId :

Tgt Ion: 43 Resp: 4811

Ion Ratio Lower Upper

43 100

58 33.0 25.7 38.5



#20

Methylene Chloride

Concen: 1.424 ug/l

RT: 4.622 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY020365.D

Acq: 20 Nov 2024 17:24

Tgt Ion: 84 Resp: 2990

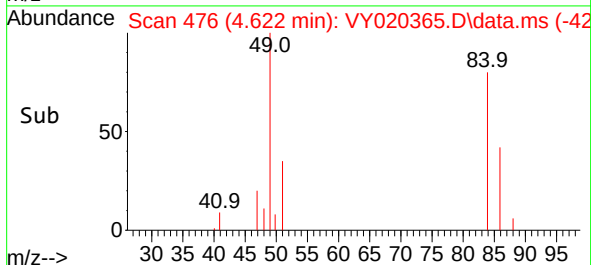
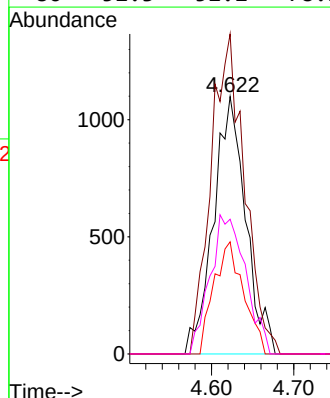
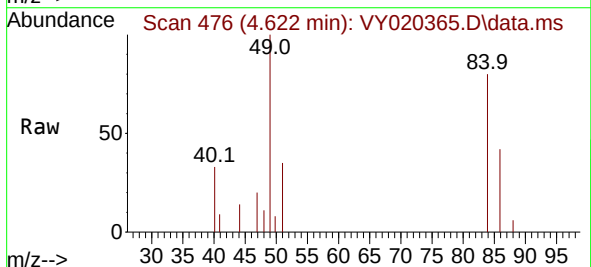
Ion Ratio Lower Upper

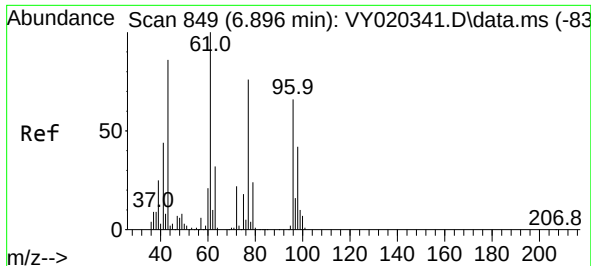
84 100

49 124.3 104.7 157.1

51 43.6 33.4 50.0

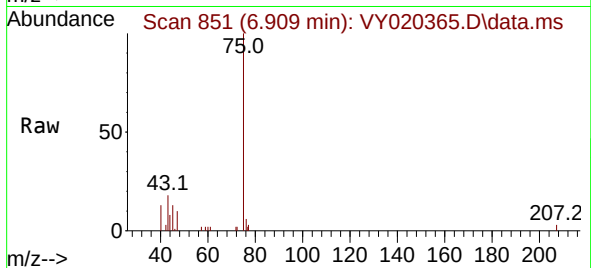
86 52.3 52.2 78.2



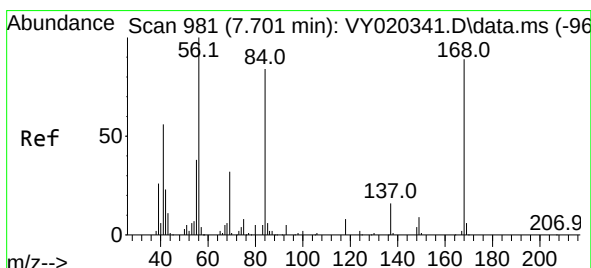
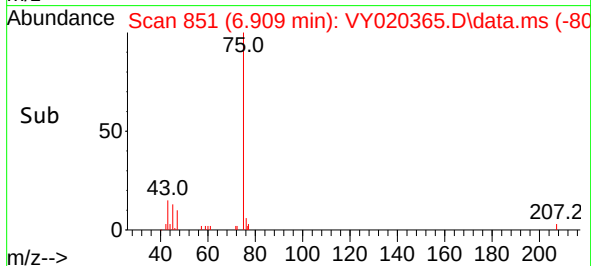
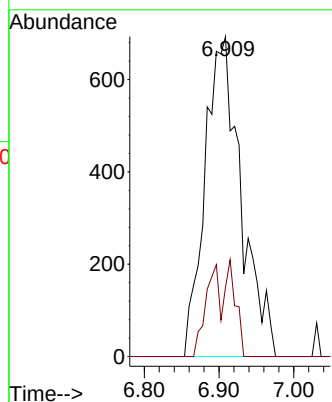


#25
2-Butanone
Concen: 3.640 ug/l
RT: 6.909 min Scan# 851
Delta R.T. 0.012 min
Lab File: VY020365.D
Acq: 20 Nov 2024 17:24

Instrument :
MSVOA_Y
ClientSampleId :

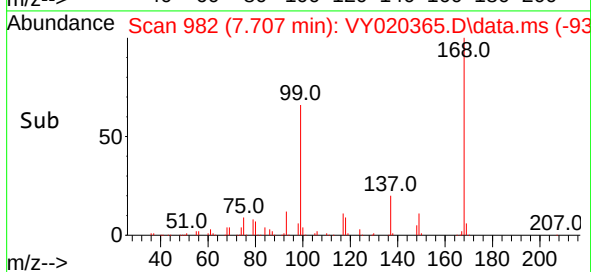
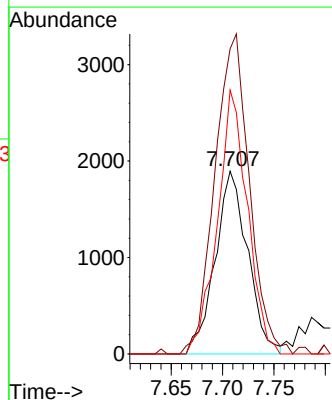
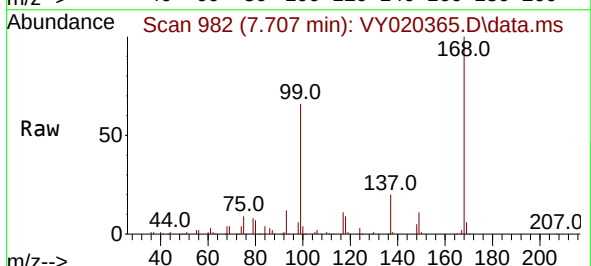


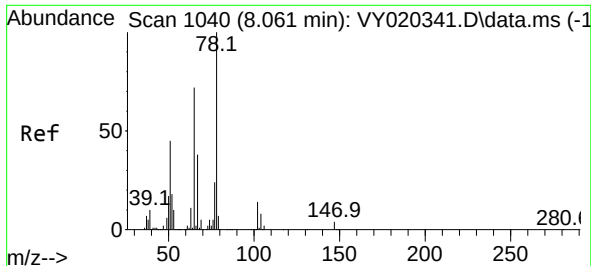
Tgt Ion: 43 Resp: 2324
Ion Ratio Lower Upper
43 100
72 21.6 20.4 30.6



#31
Cyclohexane
Concen: 1.084 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY020365.D
Acq: 20 Nov 2024 17:24

Tgt Ion: 56 Resp: 4182
Ion Ratio Lower Upper
56 100
69 167.0 25.3 37.9#
84 144.4 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 49.594 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY020365.D

Acq: 20 Nov 2024 17:24

Instrument :

MSVOA_Y

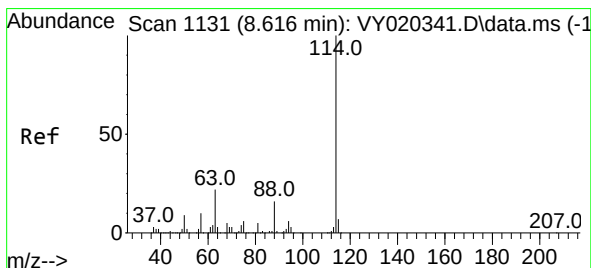
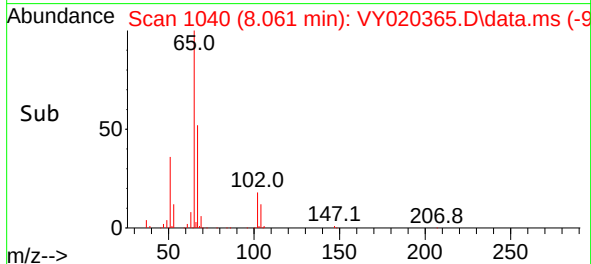
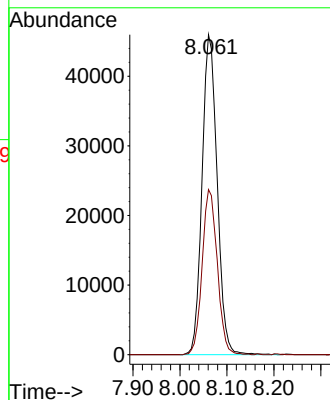
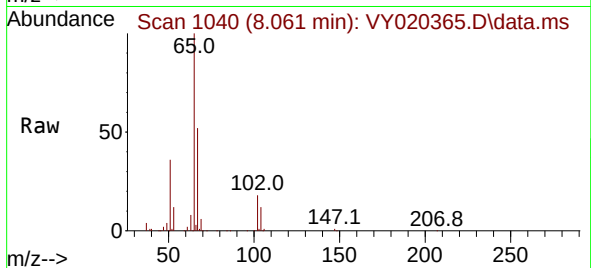
ClientSampleId :

Tgt Ion: 65 Resp: 102609

Ion Ratio Lower Upper

65 100

67 51.6 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY020365.D

Acq: 20 Nov 2024 17:24

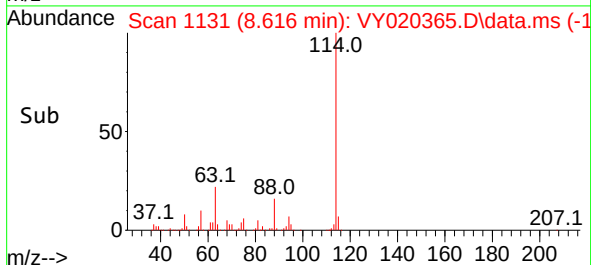
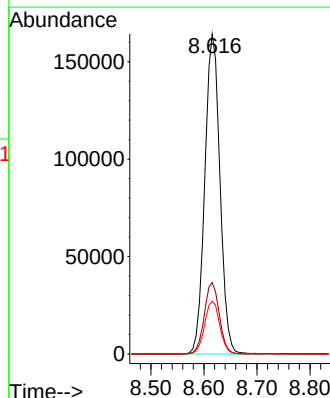
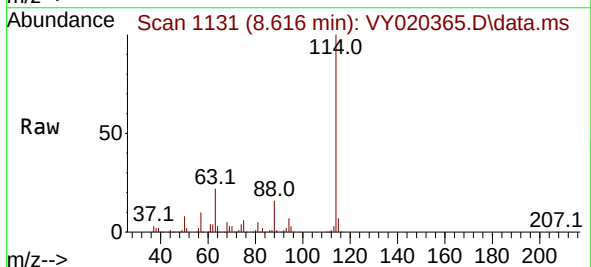
Tgt Ion: 114 Resp: 325095

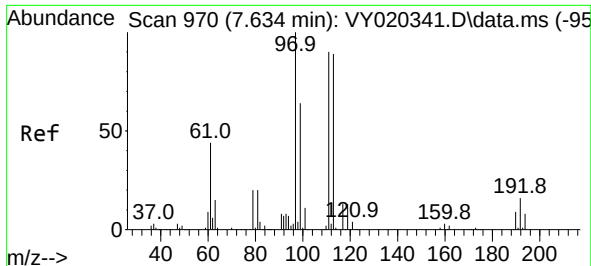
Ion Ratio Lower Upper

114 100

63 22.3 0.0 44.8

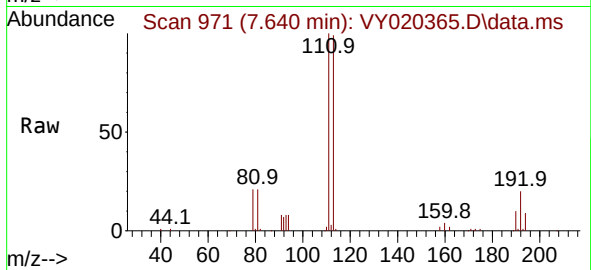
88 16.4 0.0 32.0



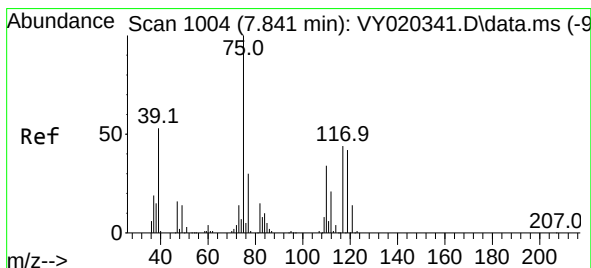
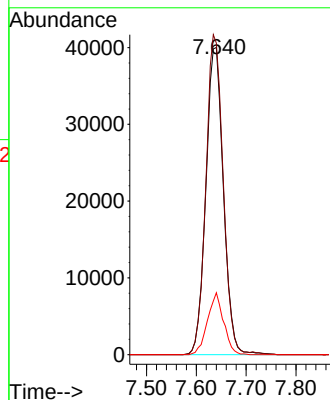
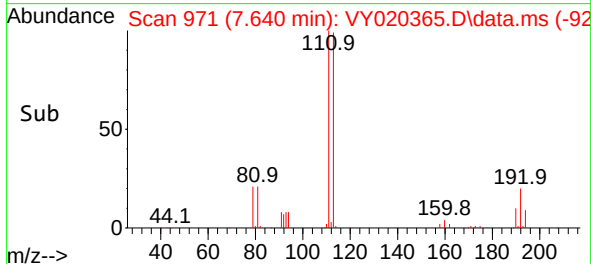


#35
Dibromofluoromethane
Concen: 46.926 ug/l
RT: 7.640 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY020365.D
Acq: 20 Nov 2024 17:24

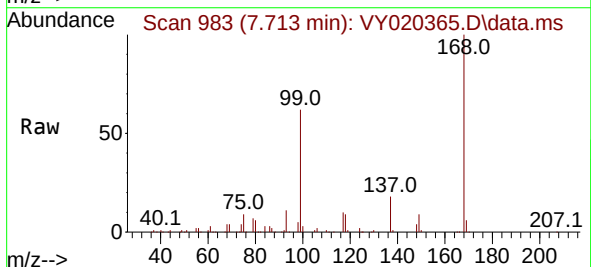
Instrument :
MSVOA_Y
ClientSampleId :



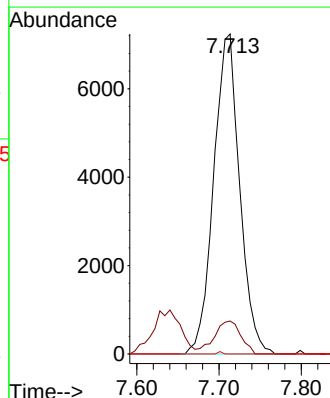
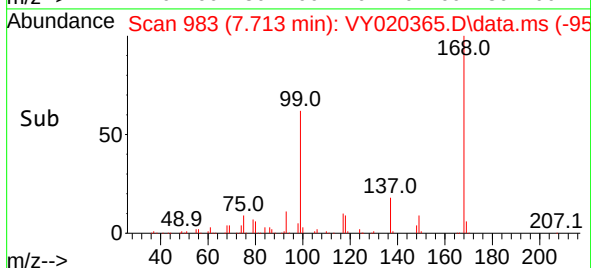
Tgt Ion:113 Resp: 97821
Ion Ratio Lower Upper
113 100
111 102.9 81.4 122.0
192 18.5 15.1 22.7

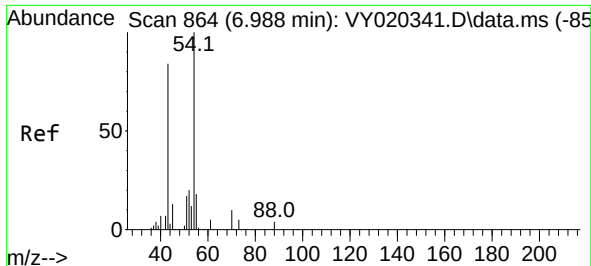


#36
1,1-Dichloropropene
Concen: 4.990 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY020365.D
Acq: 20 Nov 2024 17:24



Tgt Ion: 75 Resp: 15889
Ion Ratio Lower Upper
75 100
110 10.6 16.7 50.0#
77 0.1 24.6 36.8#





#37

Ethyl Acetate

Concen: 1.593 ug/l

RT: 6.909 min Scan# 81

Delta R.T. -0.079 min

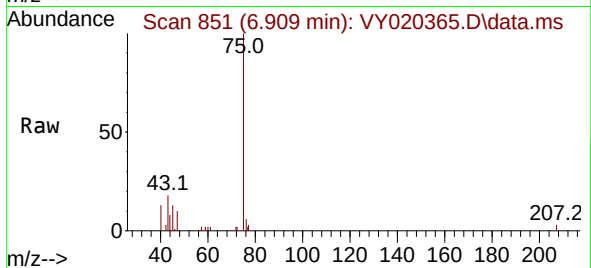
Lab File: VY020365.D

Acq: 20 Nov 2024 17:24

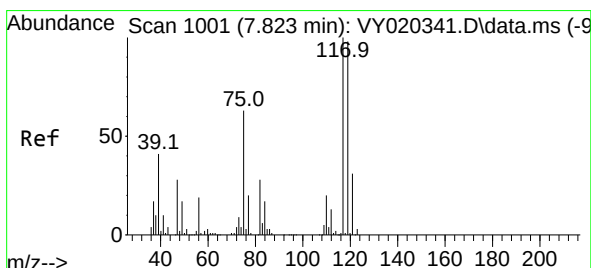
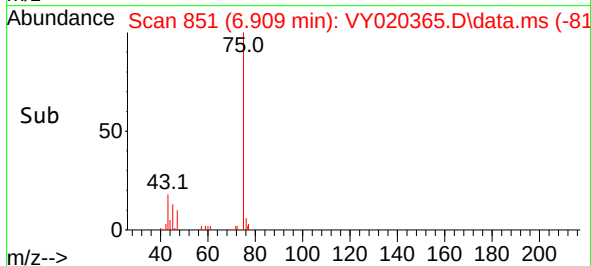
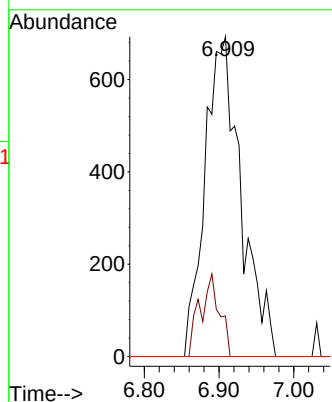
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 43	Resp: 2324
Ion Ratio	Lower Upper
43	100
61	13.9 10.7 16.1
70	0.0 7.3 10.9#



#38

Carbon Tetrachloride

Concen: 5.947 ug/l

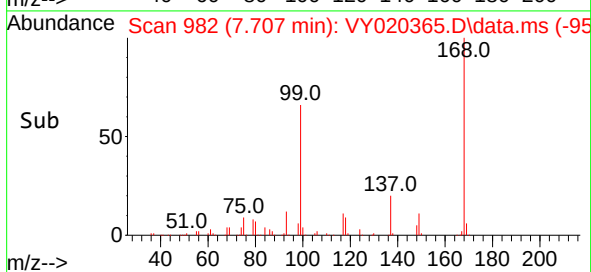
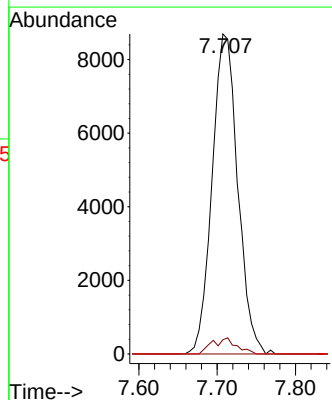
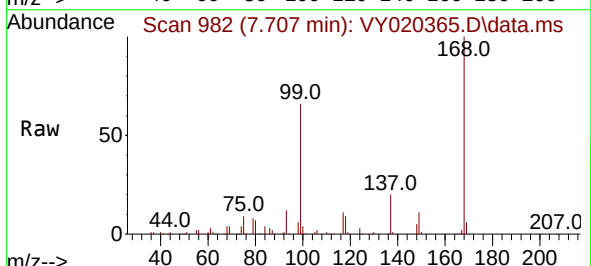
RT: 7.707 min Scan# 982

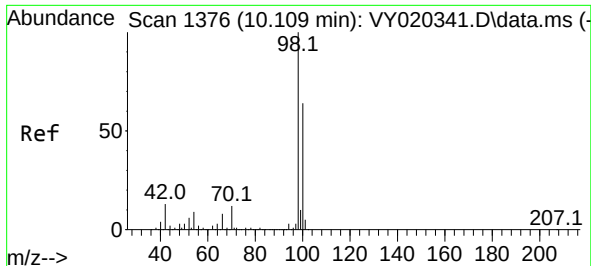
Delta R.T. -0.116 min

Lab File: VY020365.D

Acq: 20 Nov 2024 17:24

Tgt Ion: 117	Resp: 19770
Ion Ratio	Lower Upper
117	100
119	4.5 77.8 116.6#
121	0.0 24.6 37.0#

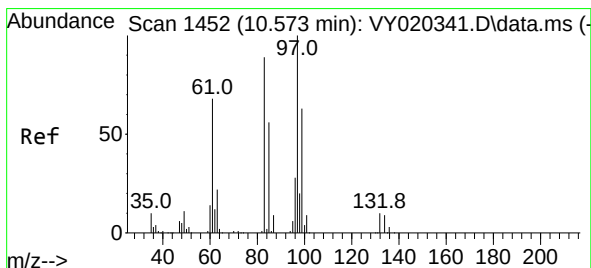
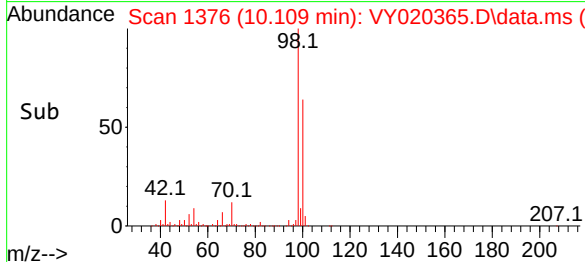
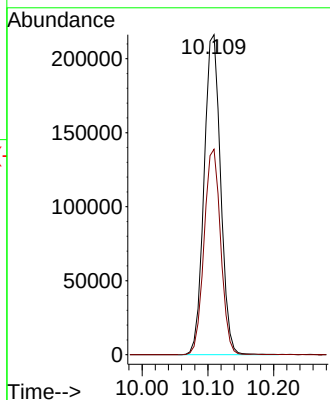
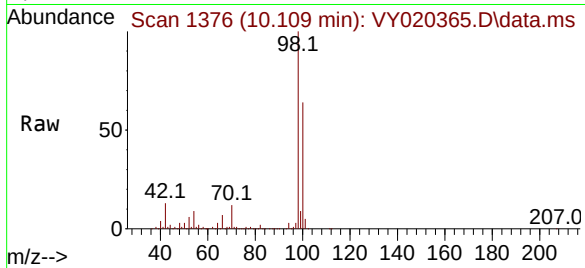




#50
Toluene-d8
Concen: 46.034 ug/l
RT: 10.109 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY020365.D
Acq: 20 Nov 2024 17:24

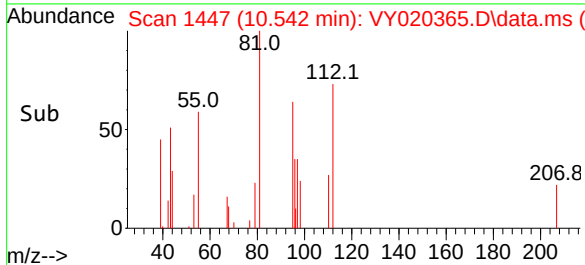
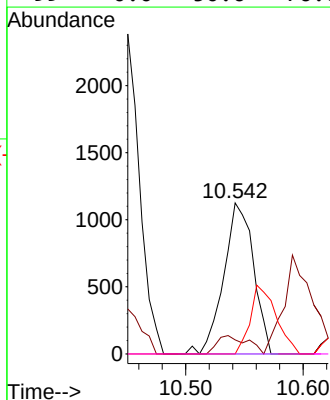
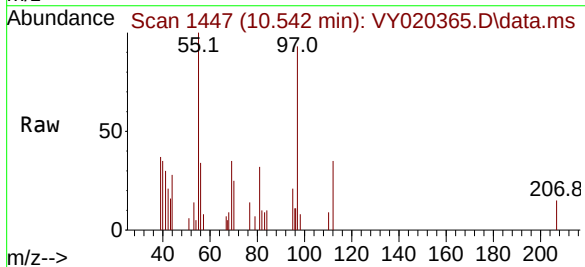
Instrument :
MSVOA_Y
ClientSampleId :

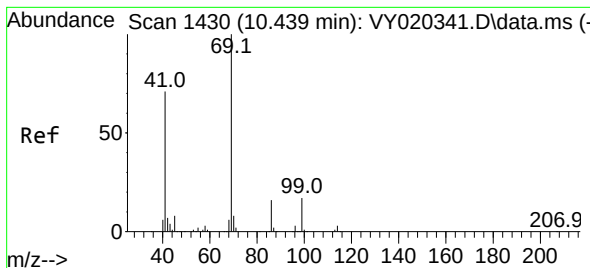
Tgt Ion: 98 Resp: 378021
Ion Ratio Lower Upper
98 100
100 64.5 51.3 76.9



#55
1,1,2-Trichloroethane
Concen: 1.309 ug/l
RT: 10.542 min Scan# 1447
Delta R.T. -0.031 min
Lab File: VY020365.D
Acq: 20 Nov 2024 17:24

Tgt Ion: 97 Resp: 1983
Ion Ratio Lower Upper
97 100
83 9.2 70.8 106.2#
85 0.0 44.9 67.3#
99 0.0 50.6 76.0#





#56

Ethyl methacrylate

Concen: 2.454 ug/l

RT: 10.408 min Scan# 14

Delta R.T. -0.031 min

Lab File: VY020365.D

Acq: 20 Nov 2024 17:24

Instrument :

MSVOA_Y

ClientSampleId :

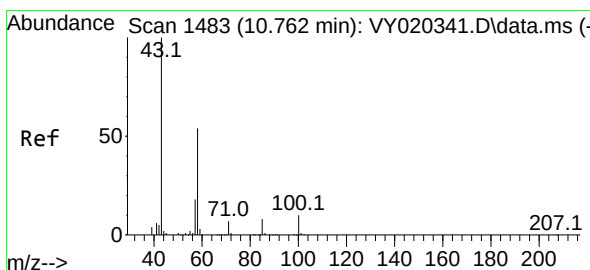
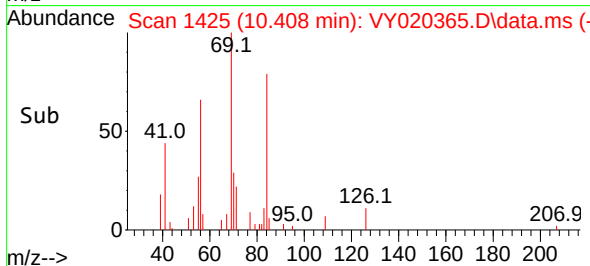
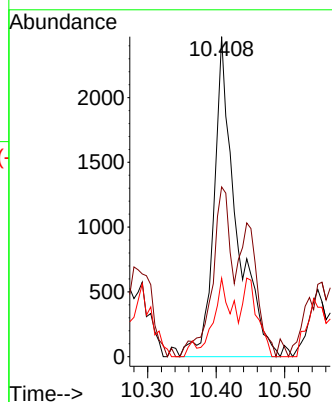
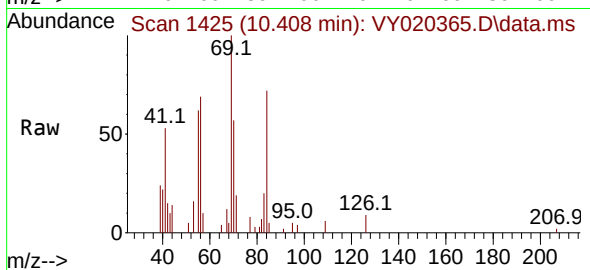
Tgt Ion: 69 Resp: 5581

Ion Ratio Lower Upper

69 100

41 45.0 56.1 84.1#

39 16.1 29.7 44.5#



#59

2-Hexanone

Concen: 13.131 ug/l

RT: 10.731 min Scan# 1478

Delta R.T. -0.031 min

Lab File: VY020365.D

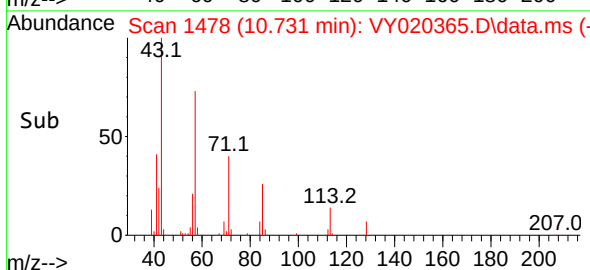
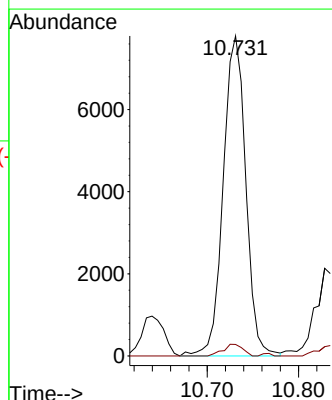
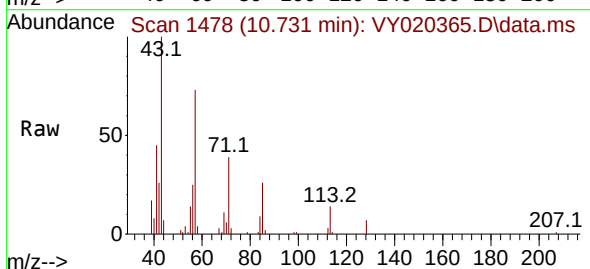
Acq: 20 Nov 2024 17:24

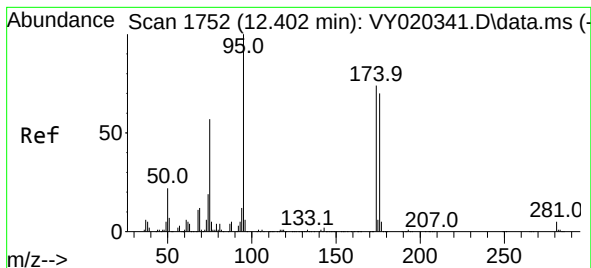
Tgt Ion: 43 Resp: 13384

Ion Ratio Lower Upper

43 100

58 3.2 26.4 79.2#

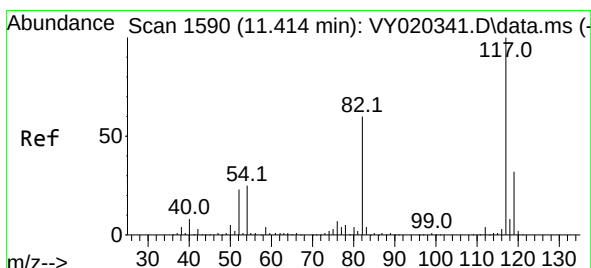
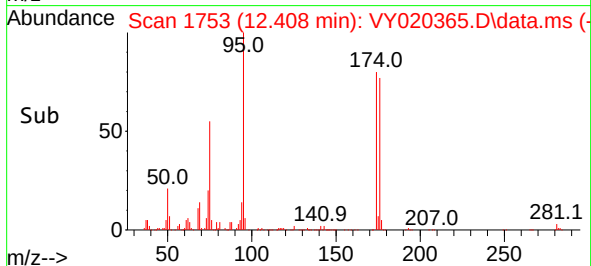
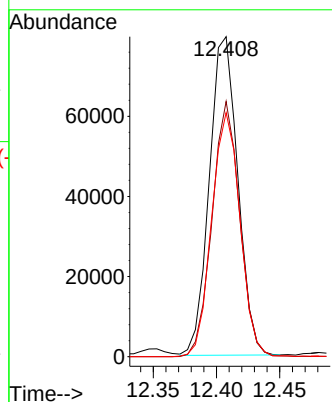
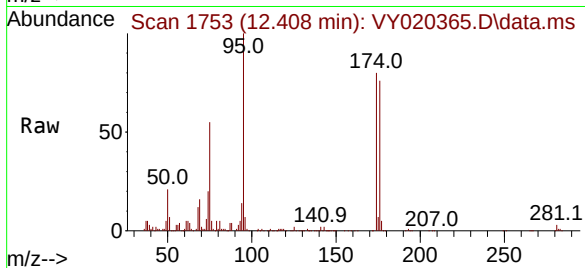




#62
4-Bromofluorobenzene
Concen: 47.166 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020365.D
Acq: 20 Nov 2024 17:24

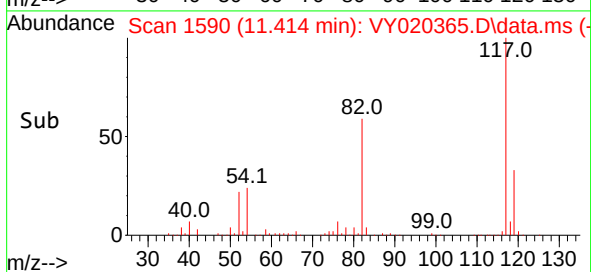
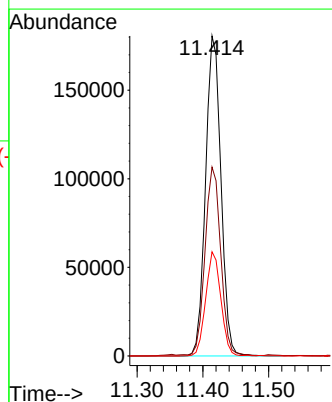
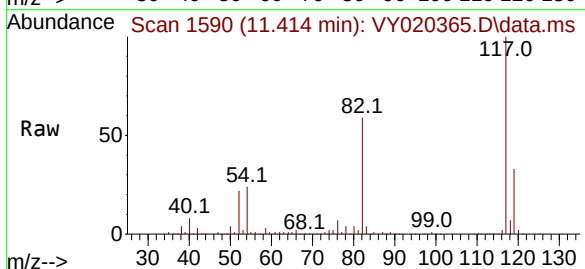
Instrument :
MSVOA_Y
ClientSampleId :

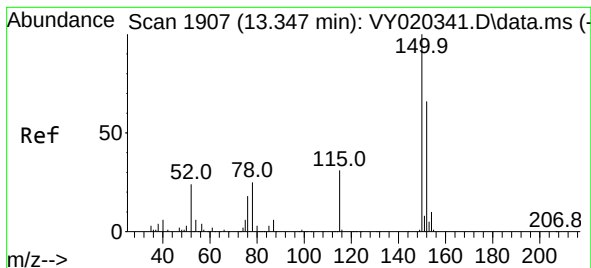
Tgt Ion: 95 Resp: 124509
Ion Ratio Lower Upper
95 100
174 77.6 0.0 156.8
176 76.4 0.0 152.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY020365.D
Acq: 20 Nov 2024 17:24

Tgt Ion: 117 Resp: 294030
Ion Ratio Lower Upper
117 100
82 58.8 48.2 72.4
119 32.6 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

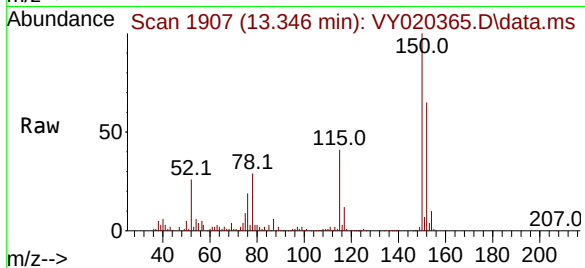
Lab File: VY020365.D

Acq: 20 Nov 2024 17:24

Instrument :

MSVOA_Y

ClientSampleId :



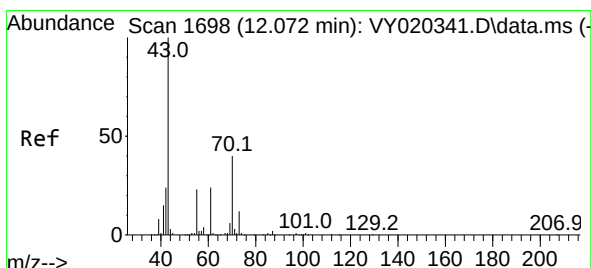
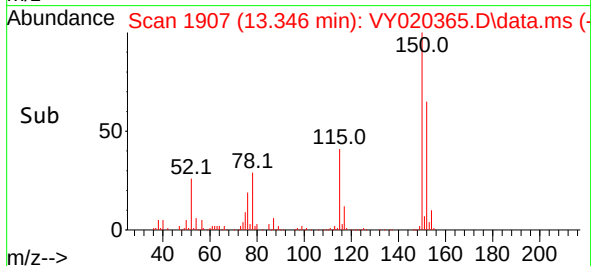
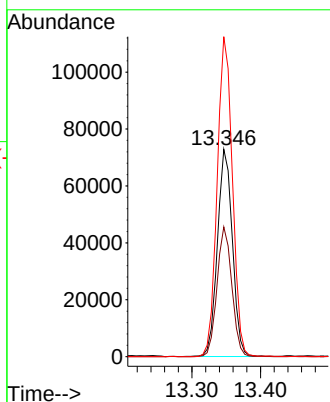
Tgt Ion:152 Resp: 110294

Ion Ratio Lower Upper

152 100

115 61.8 30.0 90.0

150 156.7 0.0 348.2



#74

N-ethyl acetate

Concen: 7.494 ug/l

RT: 12.048 min Scan# 1694

Delta R.T. -0.024 min

Lab File: VY020365.D

Acq: 20 Nov 2024 17:24

Tgt Ion: 43 Resp: 16920

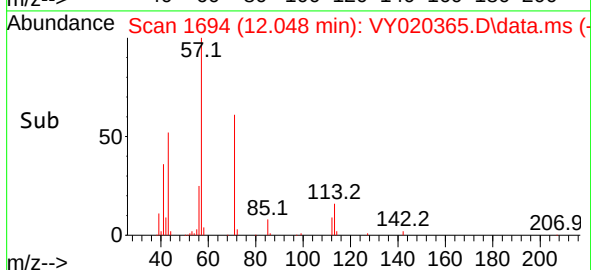
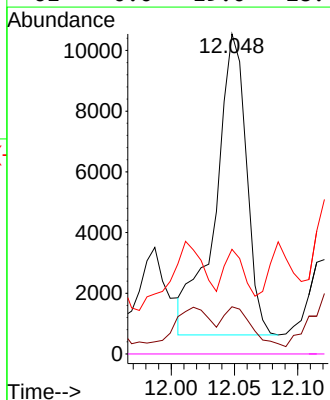
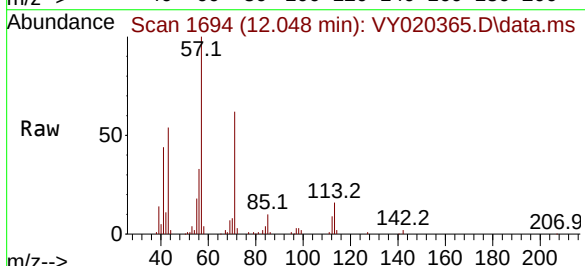
Ion Ratio Lower Upper

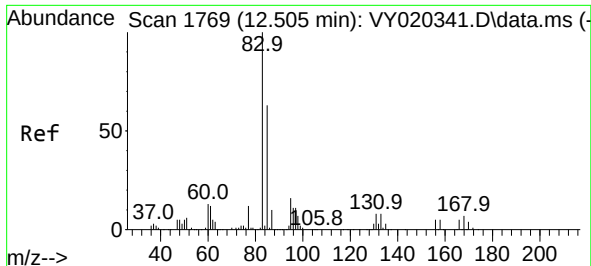
43 100

70 11.8 32.9 49.3#

55 21.8 19.3 28.9

61 0.0 19.0 28.4#

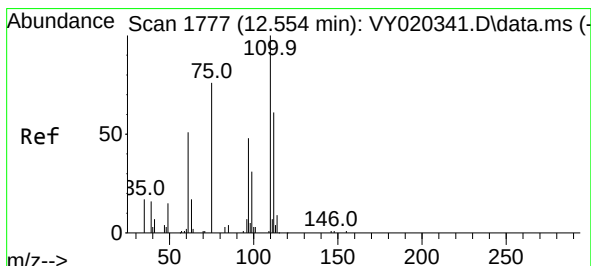
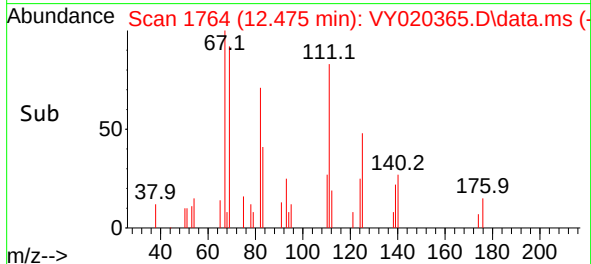
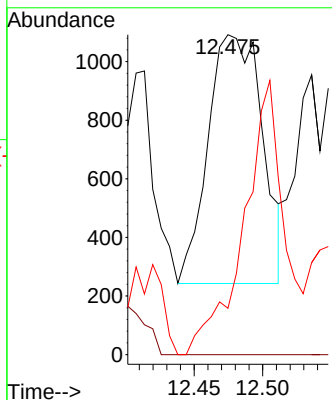
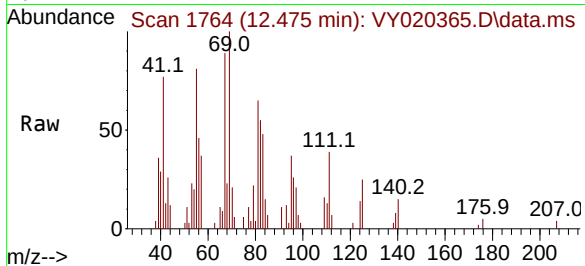




#75
1,1,2,2-Tetrachloroethane
Concen: 1.546 ug/l
RT: 12.475 min Scan# 1753
Delta R.T. -0.031 min
Lab File: VY020365.D
Acq: 20 Nov 2024 17:24

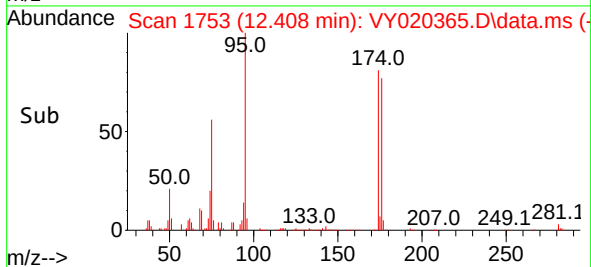
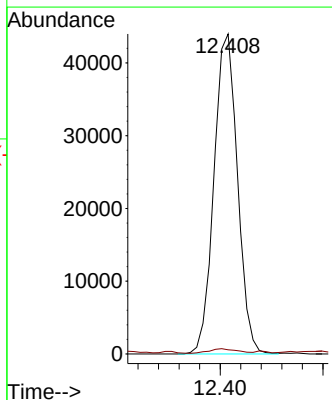
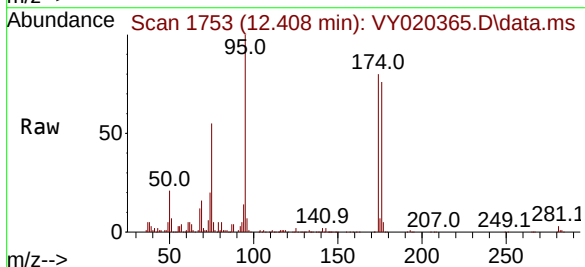
Instrument :
MSVOA_Y
ClientSampleId :

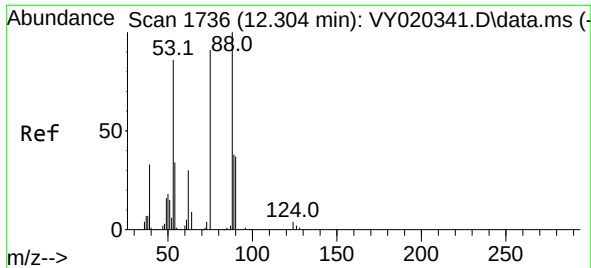
Tgt Ion: 83 Resp: 2334
Ion Ratio Lower Upper
83 100
131 0.0 4.8 14.4#
85 0.0 32.0 96.0#



#76
1,2,3-Trichloropropane
Concen: 67.110 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY020365.D
Acq: 20 Nov 2024 17:24

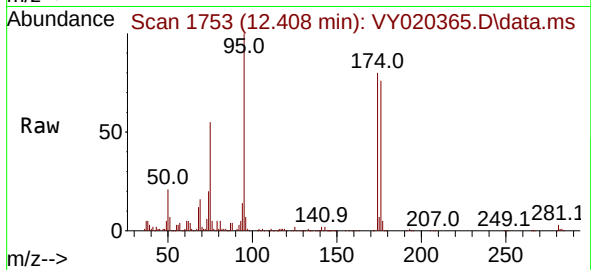
Tgt Ion: 75 Resp: 69764
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 131.498 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY020365.D
Acq: 20 Nov 2024 17:24

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 69764
Ion Ratio Lower Upper
75 100
53 1.0 81.1 121.7#
89 0.0 35.1 52.7#

