

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082824\
 Data File : VY019331.D
 Acq On : 28 Aug 2024 15:36
 Operator : SY/MD
 Sample : P3660-05
 Misc : 7.24g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 29 01:35:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 05:10:30 2024
 Response via : Initial Calibration

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

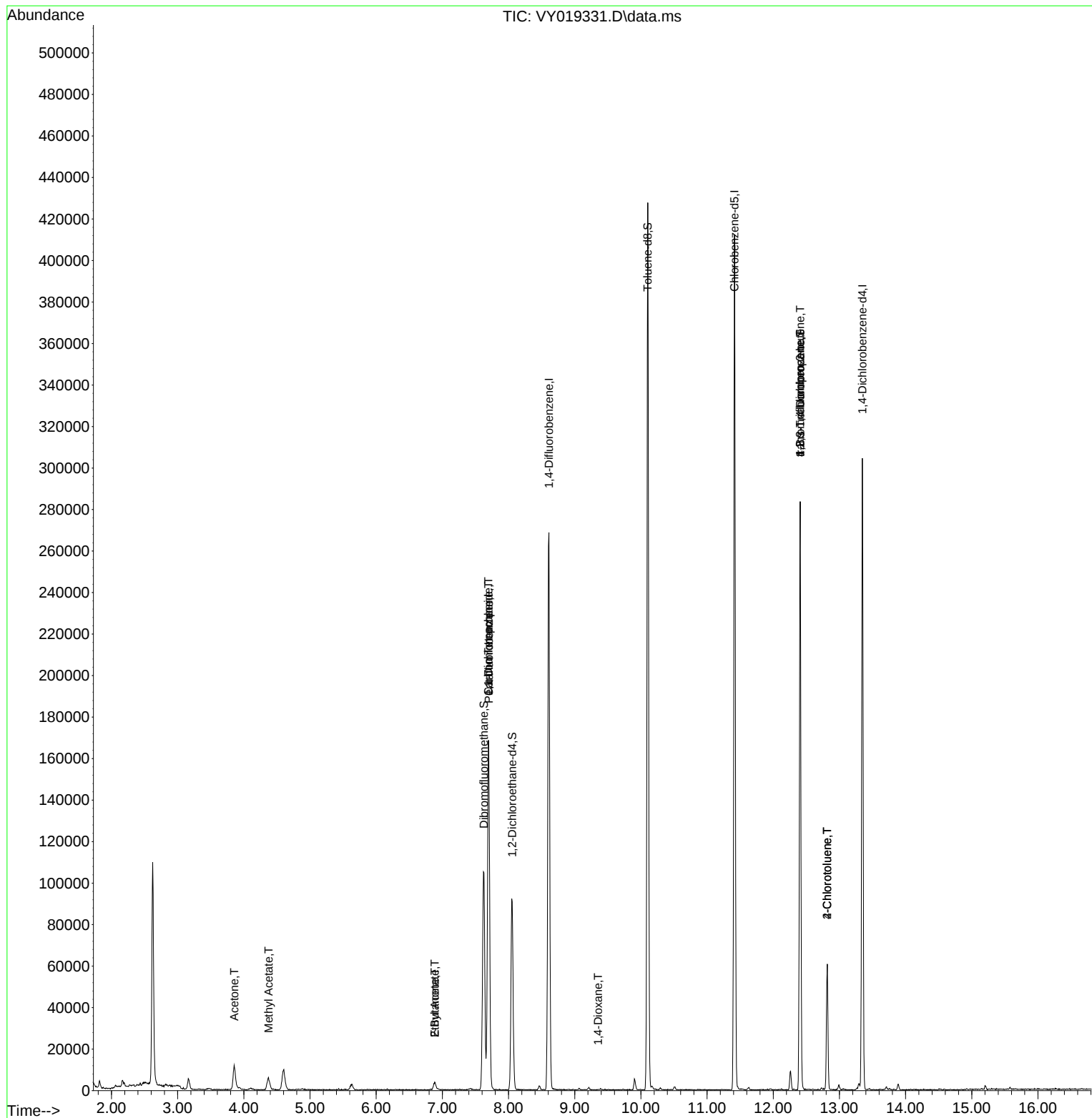
Internal Standards						
1) Pentafluorobenzene	7.701	168	131992	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	232454	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	210867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	74570	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	73833	55.802	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.600%
35) Dibromofluoromethane	7.628	113	75117	49.422	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.840%
50) Toluene-d8	10.103	98	259797	47.498	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.000%
62) 4-Bromofluorobenzene	12.408	95	79909	42.856	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	85.720%
Target Compounds						
					Qvalue	
5) Bromomethane	2.592	94	750	Below Cal	#	55
6) Chloroethane	2.873	64	20	Below Cal	#	42
11) Tert butyl alcohol	4.836	59	132	Below Cal	#	88
16) Acetone	3.854	43	19076	77.742	ug/l	92
18) Methyl Acetate	4.372	43	10753	14.279	ug/l	93
20) Methylene Chloride	4.598	84	7281	Below Cal		97
25) 2-Butanone	6.884	43	6354	16.079	ug/l #	86
31) Cyclohexane	7.695	56	2876	Below Cal	#	33
36) 1,1-Dichloropropene	7.695	75	9906	4.746	ug/l #	49
37) Ethyl Acetate	6.884	43	6354	6.871	ug/l #	67
38) Carbon Tetrachloride	7.695	117	13304	5.500	ug/l #	16
49) 1,4-Dioxane	9.353	88	32	2.856	ug/l #	20
76) 1,2,3-Trichloropropane	12.408	75	44240	60.158	ug/l #	100
79) 2-Chlorotoluene	12.816	91	7755	2.025	ug/l #	39
81) trans-1,4-Dichloro-2-b...	12.408	75	44240	148.570	ug/l #	16
82) 4-Chlorotoluene	12.816	91	7755	1.946	ug/l #	39

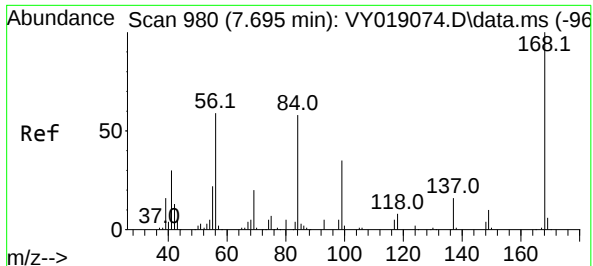
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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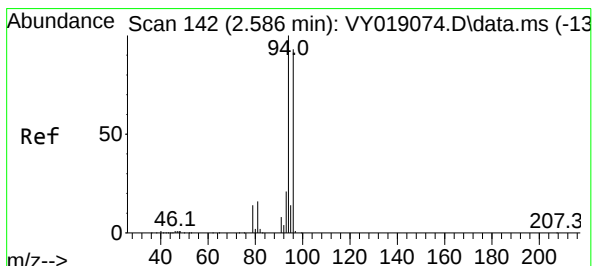
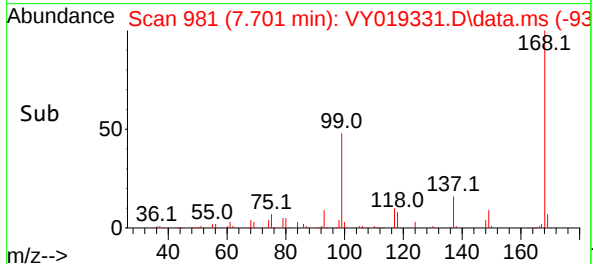
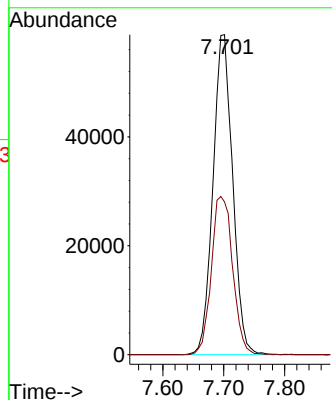
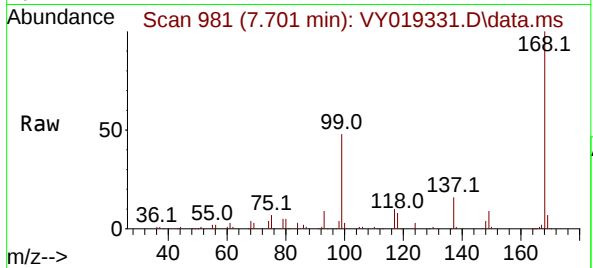




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019331.D
Acq: 28 Aug 2024 15:36

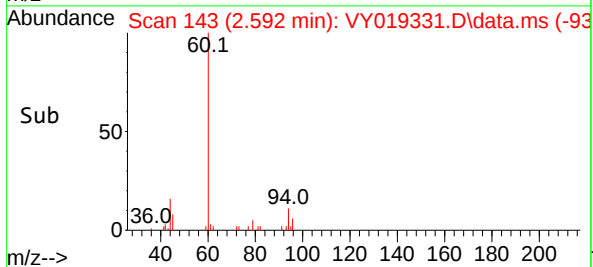
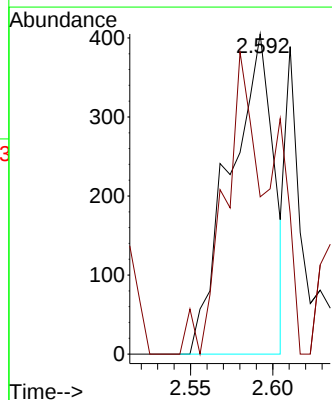
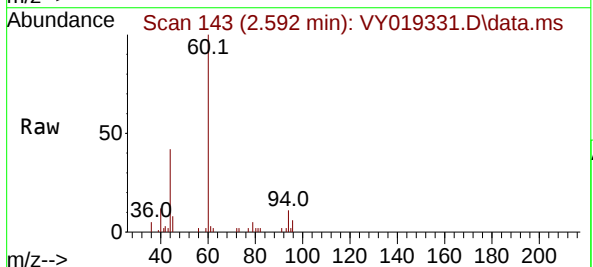
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 131992
Ion Ratio Lower Upper
168 100
99 47.7 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.592 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY019331.D
Acq: 28 Aug 2024 15:36

Tgt Ion: 94 Resp: 750
Ion Ratio Lower Upper
94 100
96 49.1 74.1 111.1#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.836 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY019331.D

Acq: 28 Aug 2024 15:36

Instrument :

MSVOA_Y

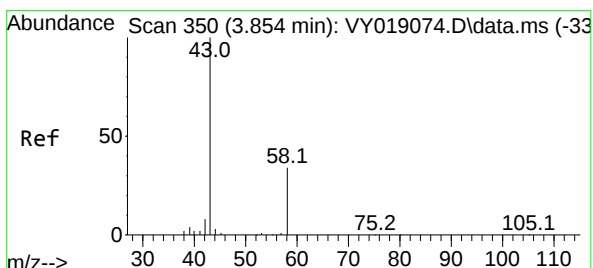
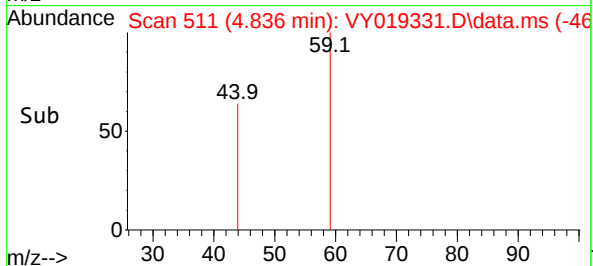
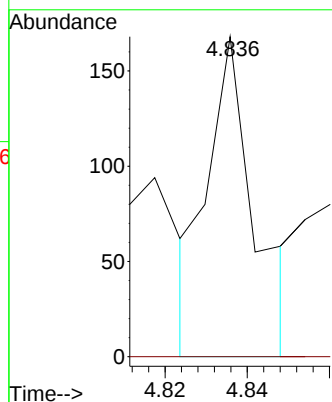
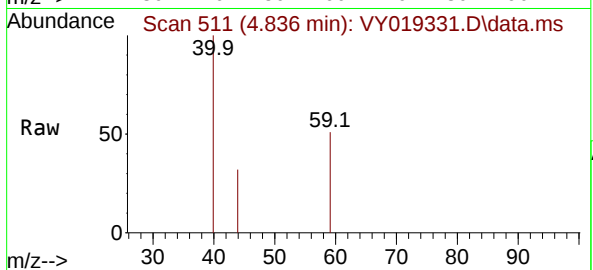
ClientSampleId :

Tgt Ion: 59 Resp: 132

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#16

Acetone

Concen: 77.742 ug/l

RT: 3.854 min Scan# 350

Delta R.T. 0.000 min

Lab File: VY019331.D

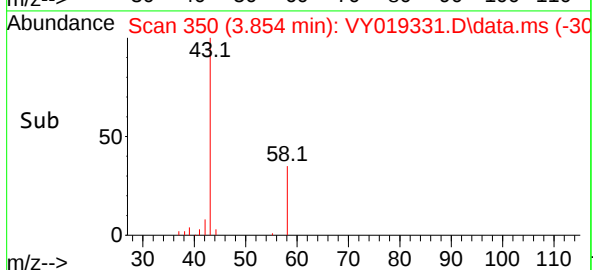
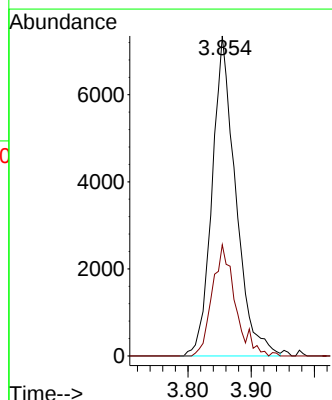
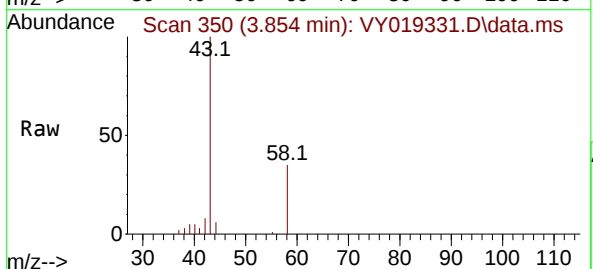
Acq: 28 Aug 2024 15:36

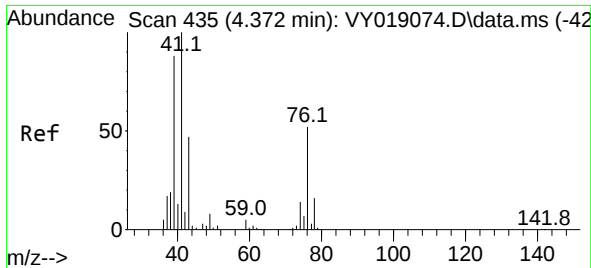
Tgt Ion: 43 Resp: 19076

Ion Ratio Lower Upper

43 100

58 34.8 31.7 47.5

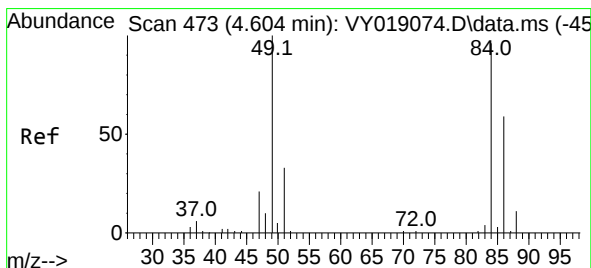
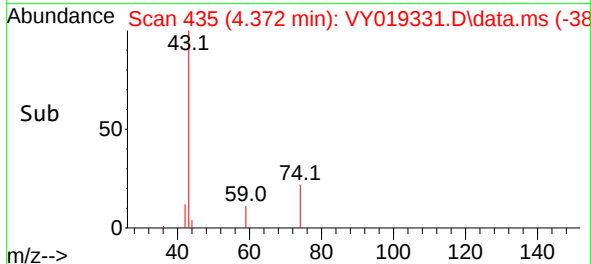
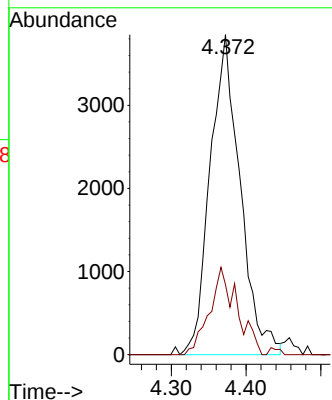
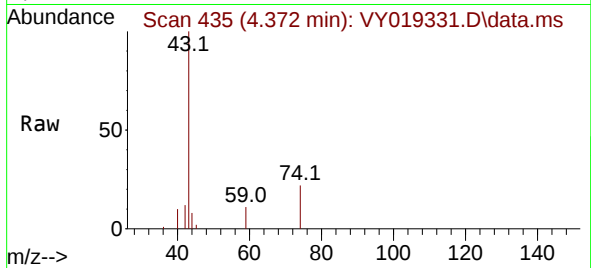




#18
Methyl Acetate
Concen: 14.279 ug/l
RT: 4.372 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY019331.D
Acq: 28 Aug 2024 15:36

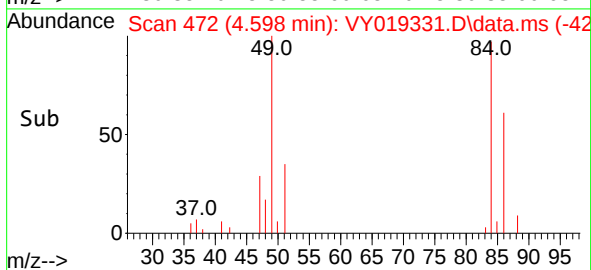
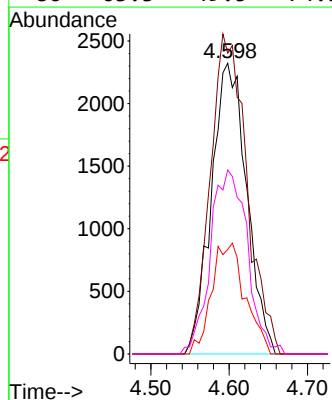
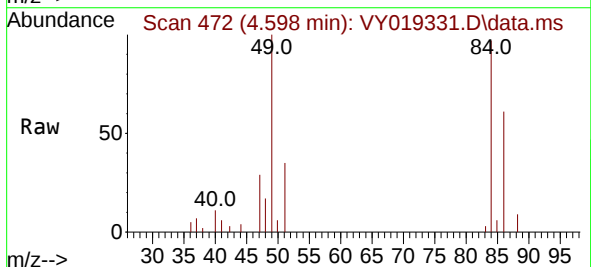
Instrument :
MSVOA_Y
ClientSampleId :

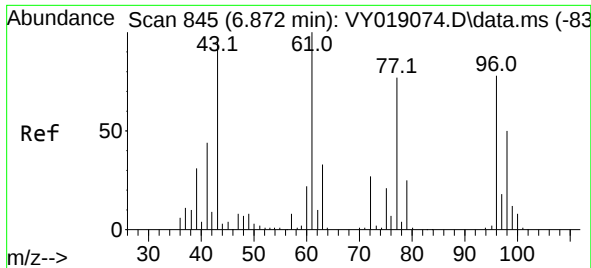
Tgt Ion: 43 Resp: 10753
Ion Ratio Lower Upper
43 100
74 25.2 23.3 34.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.598 min Scan# 472
Delta R.T. -0.006 min
Lab File: VY019331.D
Acq: 28 Aug 2024 15:36

Tgt Ion: 84 Resp: 7281
Ion Ratio Lower Upper
84 100
49 103.5 84.4 126.6
51 35.9 26.0 39.0
86 63.3 49.5 74.3





#25

2-Butanone

Concen: 16.079 ug/l

RT: 6.884 min Scan# 84

Delta R.T. 0.012 min

Lab File: VY019331.D

Acq: 28 Aug 2024 15:36

Instrument :

MSVOA_Y

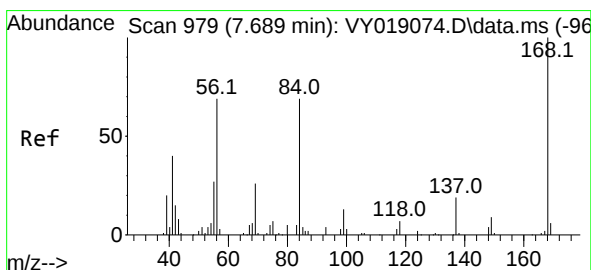
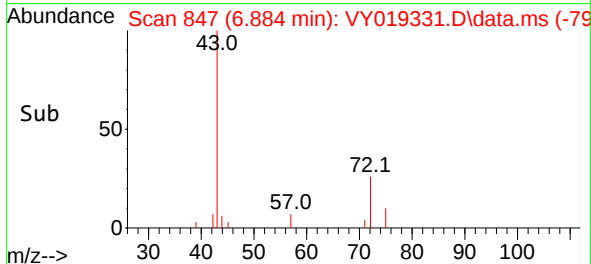
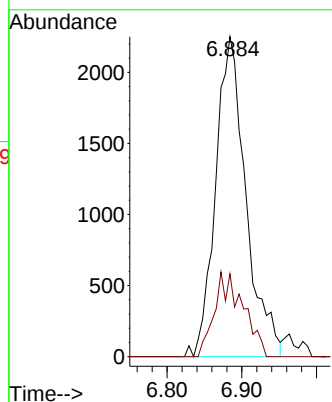
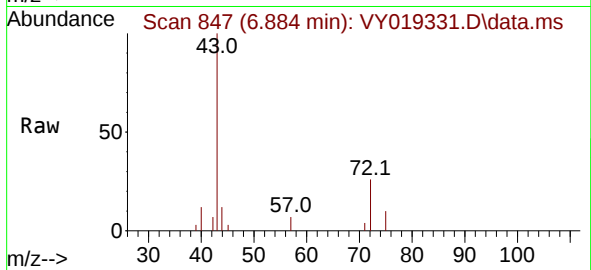
ClientSampleId :

Tgt Ion: 43 Resp: 6354

Ion Ratio Lower Upper

43 100

72 25.9 27.3 40.9#



#31

Cyclohexane

Concen: Below Cal

RT: 7.695 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY019331.D

Acq: 28 Aug 2024 15:36

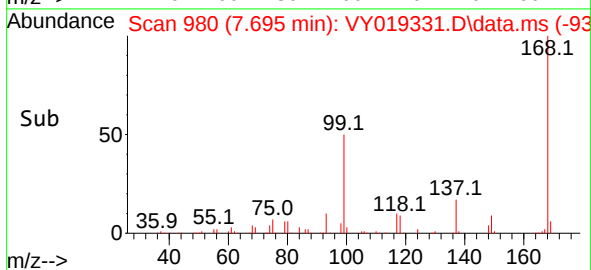
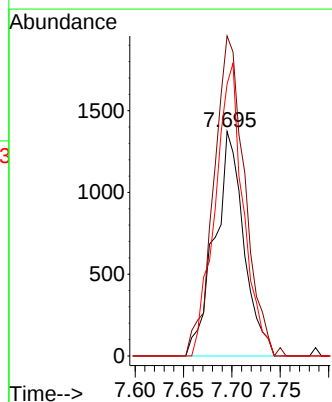
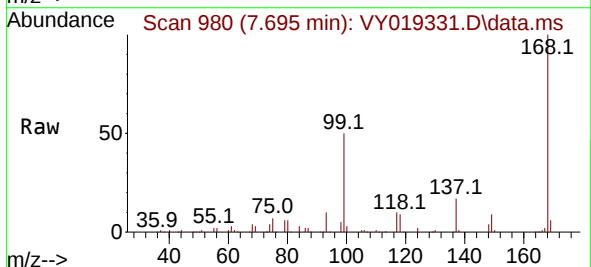
Tgt Ion: 56 Resp: 2876

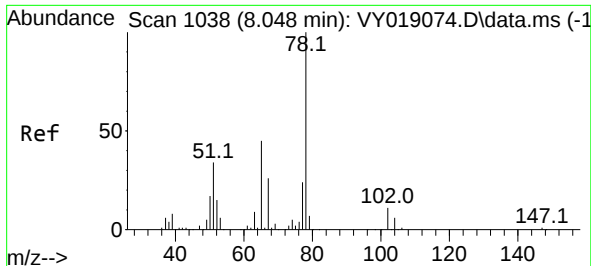
Ion Ratio Lower Upper

56 100

69 142.5 28.7 43.1#

84 121.1 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 55.802 ug/l

RT: 8.055 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY019331.D

Acq: 28 Aug 2024 15:36

Instrument :

MSVOA_Y

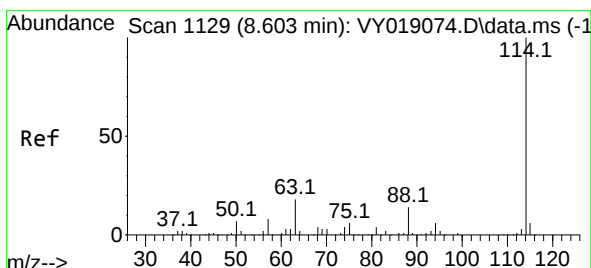
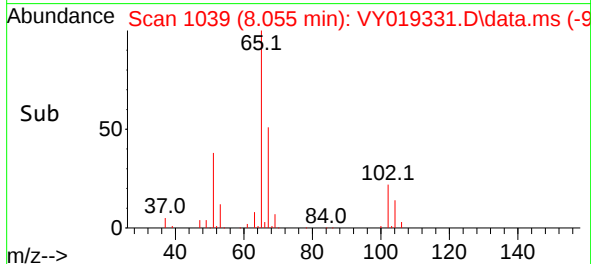
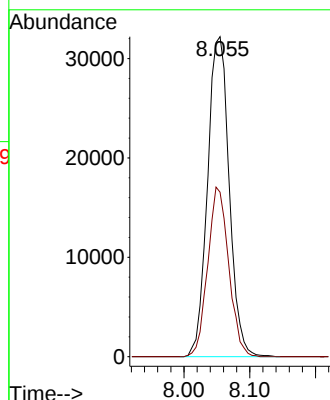
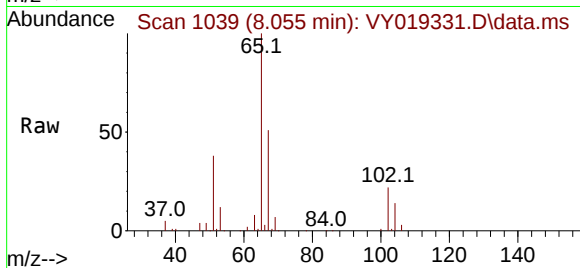
ClientSampleId :

Tgt Ion: 65 Resp: 73833

Ion Ratio Lower Upper

65 100

67 51.4 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY019331.D

Acq: 28 Aug 2024 15:36

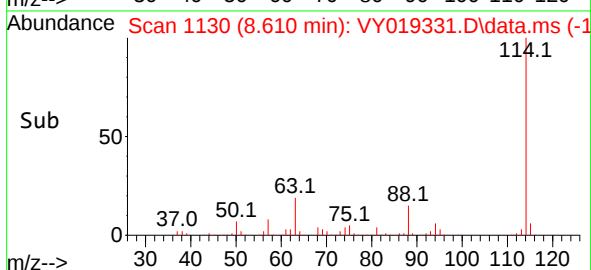
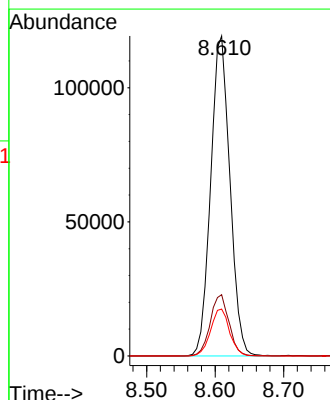
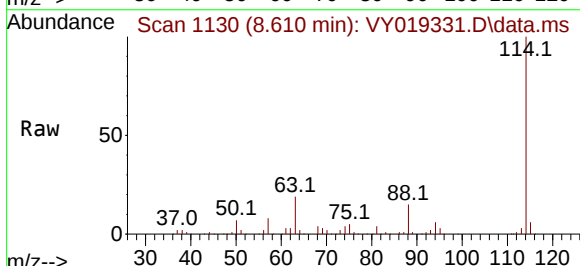
Tgt Ion:114 Resp: 232454

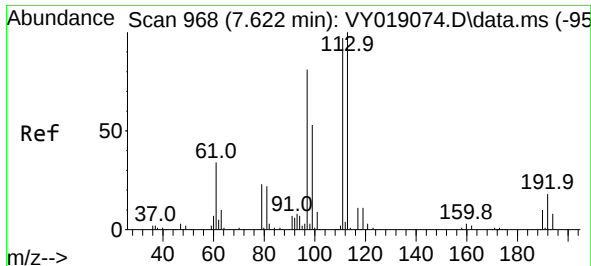
Ion Ratio Lower Upper

114 100

63 19.2 0.0 35.0

88 14.6 0.0 27.2

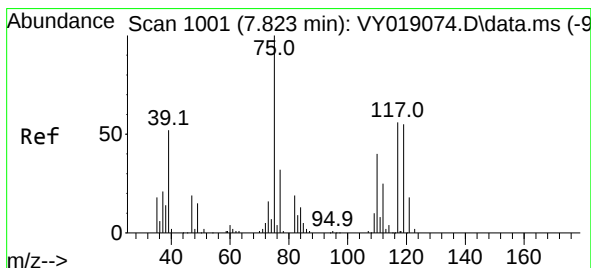
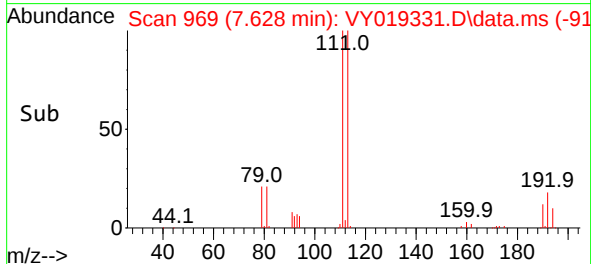
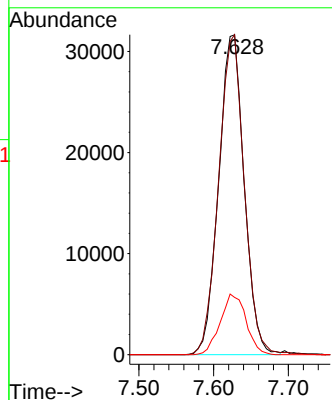
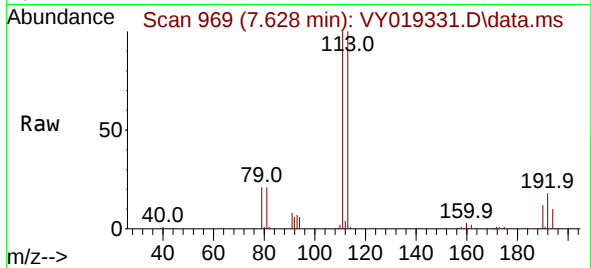




#35
Dibromofluoromethane
Concen: 49.422 ug/l
RT: 7.628 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019331.D
Acq: 28 Aug 2024 15:36

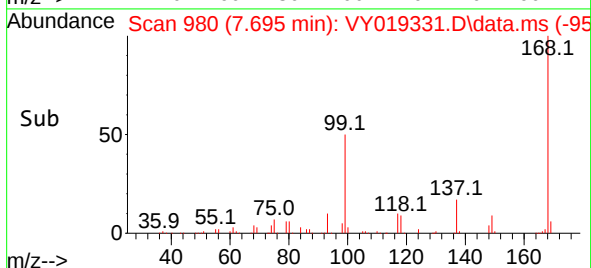
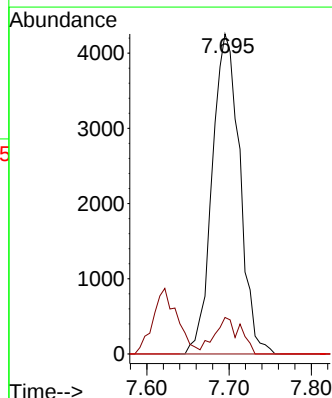
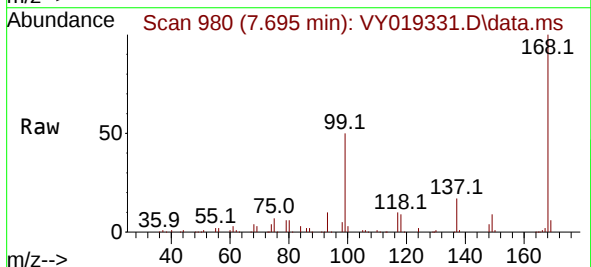
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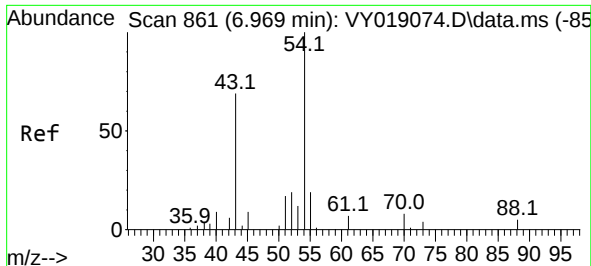
Tgt Ion:113 Resp: 75117
Ion Ratio Lower Upper
113 100
111 100.5 82.2 123.4
192 19.1 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.746 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY019331.D
Acq: 28 Aug 2024 15:36

Tgt Ion: 75 Resp: 9906
Ion Ratio Lower Upper
75 100
110 10.6 19.0 57.0#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 6.871 ug/l

RT: 6.884 min Scan# 84

Delta R.T. -0.085 min

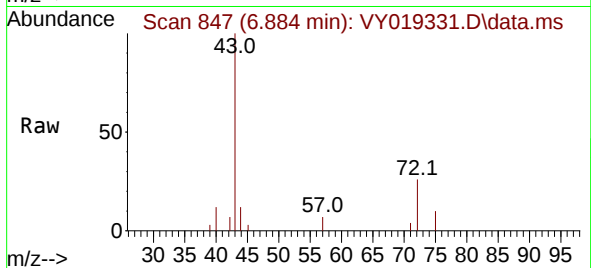
Lab File: VY019331.D

Acq: 28 Aug 2024 15:36

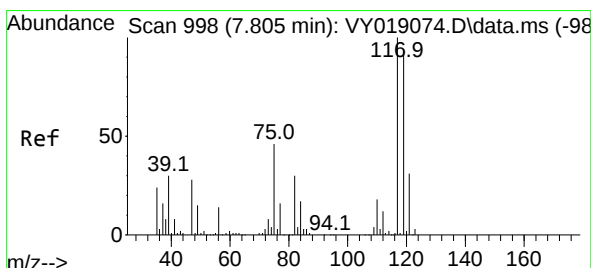
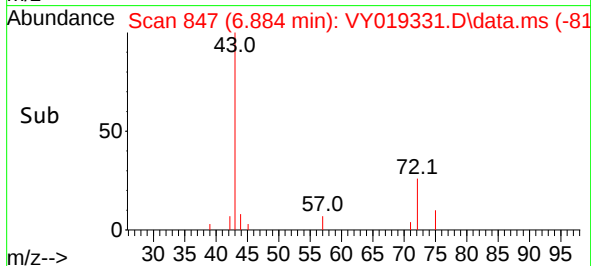
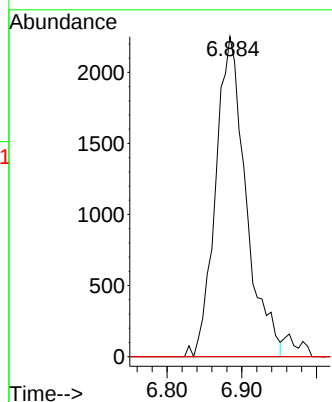
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	6354
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.6	19.0#
70	0.0	7.8	11.8#



#38

Carbon Tetrachloride

Concen: 5.500 ug/l

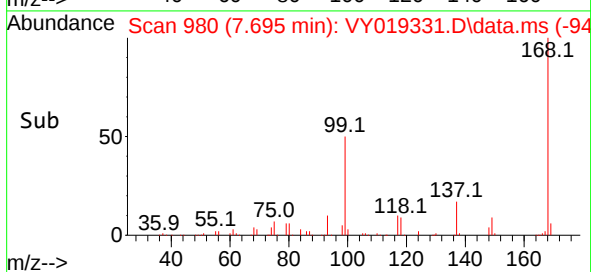
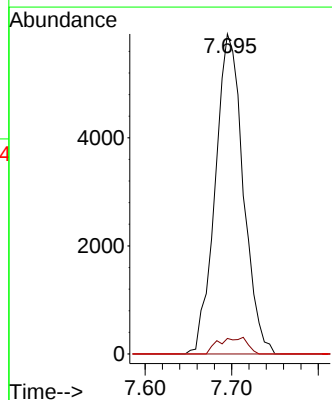
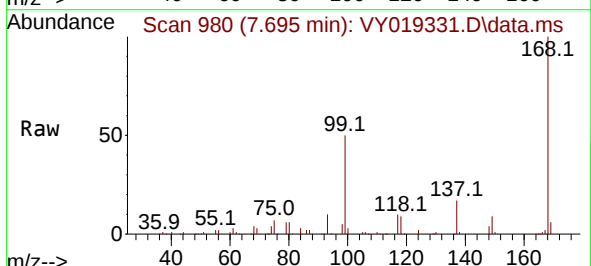
RT: 7.695 min Scan# 980

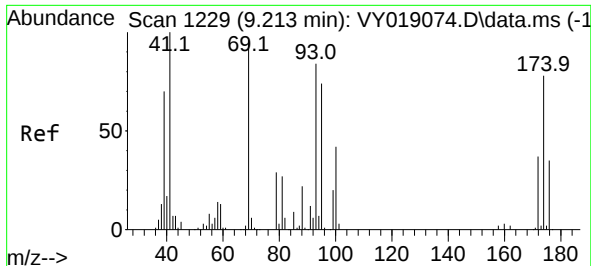
Delta R.T. -0.109 min

Lab File: VY019331.D

Acq: 28 Aug 2024 15:36

Tgt Ion:	117	Resp:	13304
Ion	Ratio	Lower	Upper
117	100		
119	4.9	75.8	113.6#
121	0.0	24.0	36.0#





#49

1,4-Dioxane

Concen: 2.856 ug/l

RT: 9.353 min Scan# 1252

Delta R.T. 0.140 min

Lab File: VY019331.D

Acq: 28 Aug 2024 15:36

Instrument :

MSVOA_Y

ClientSampleId :

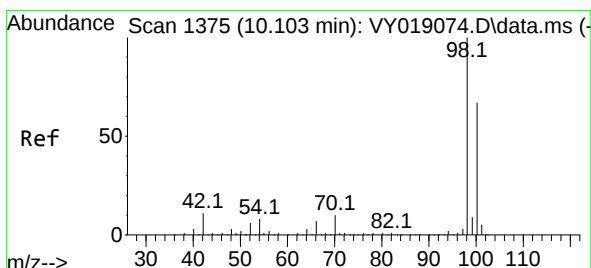
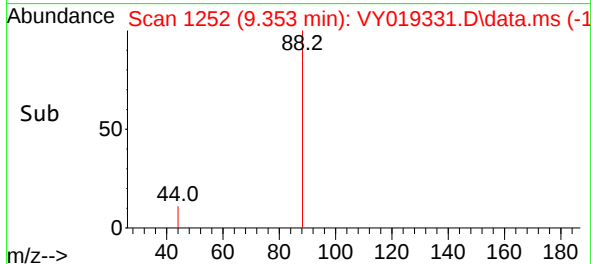
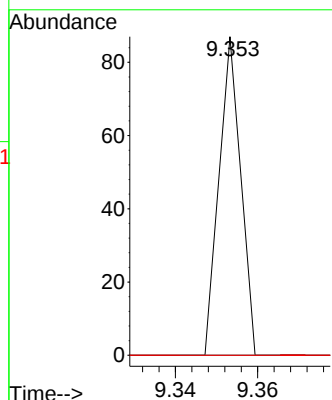
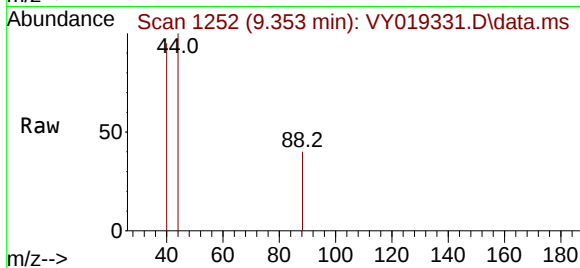
Tgt Ion: 88 Resp: 32

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 49.3 73.9#



#50

Toluene-d8

Concen: 47.498 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY019331.D

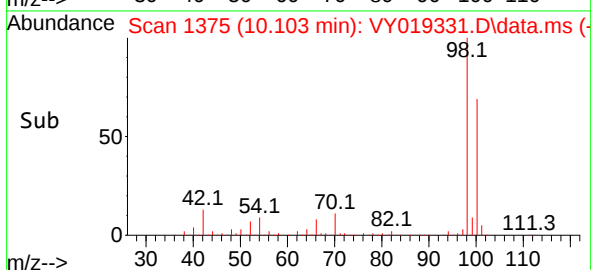
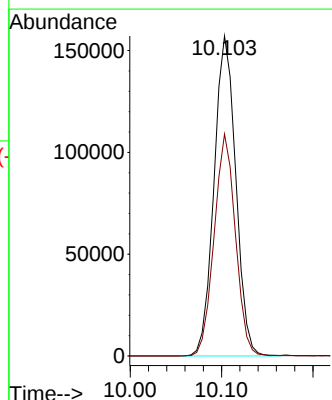
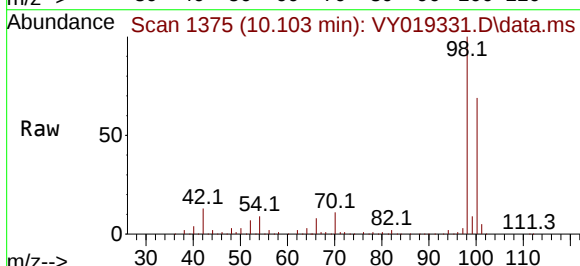
Acq: 28 Aug 2024 15:36

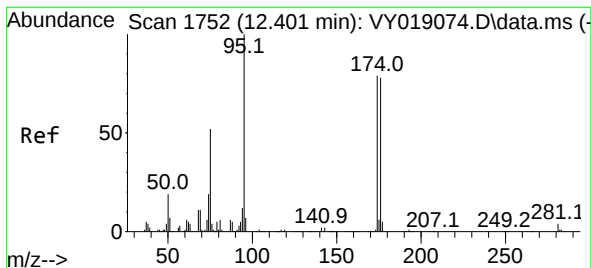
Tgt Ion: 98 Resp: 259797

Ion Ratio Lower Upper

98 100

100 67.9 52.0 78.0

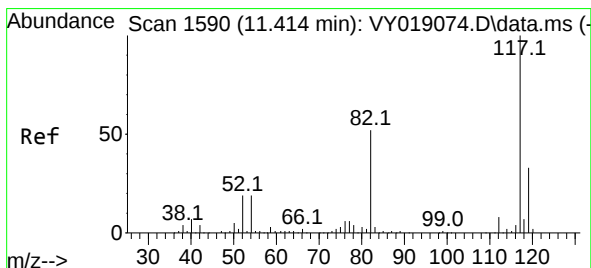
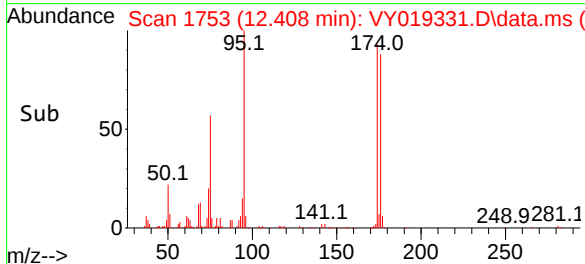
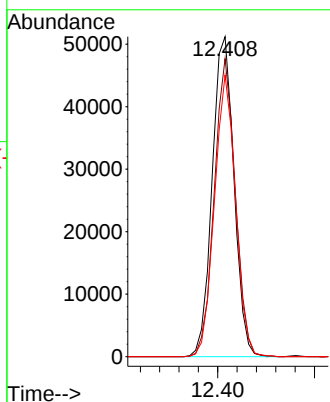
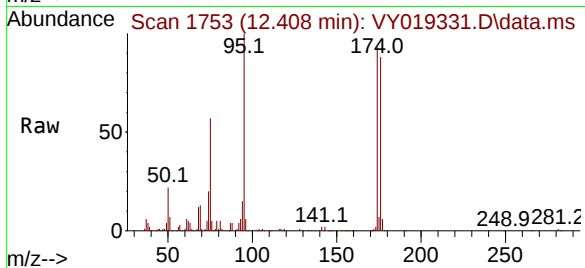




#62
4-Bromofluorobenzene
Concen: 42.856 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY019331.D
Acq: 28 Aug 2024 15:36

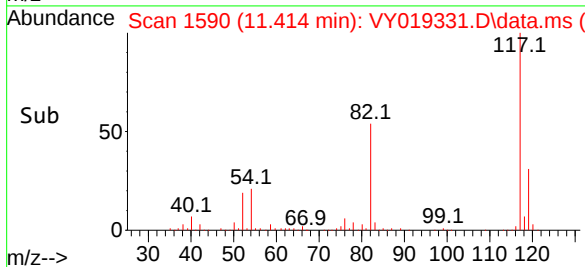
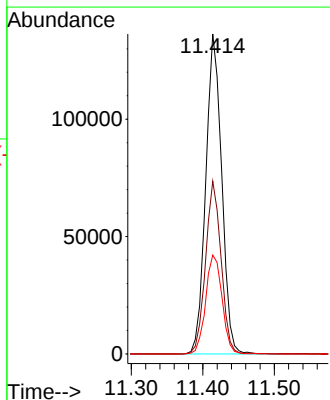
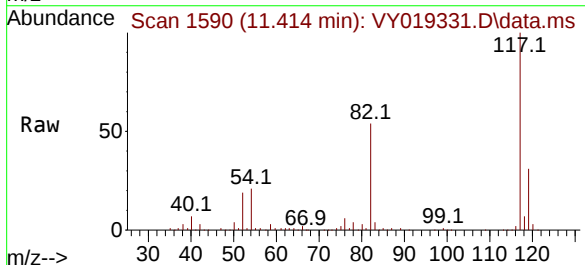
Instrument :
MSVOA_Y
ClientSampleId :

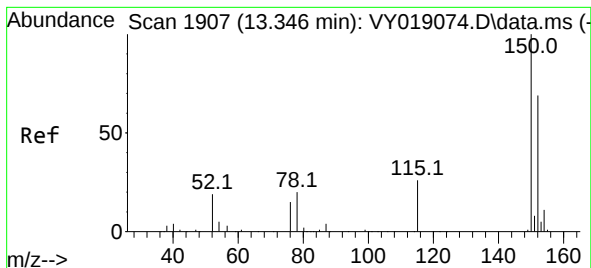
Tgt Ion: 95 Resp: 79909
Ion Ratio Lower Upper
95 100
174 90.3 0.0 175.6
176 85.6 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY019331.D
Acq: 28 Aug 2024 15:36

Tgt Ion: 117 Resp: 210867
Ion Ratio Lower Upper
117 100
82 54.0 42.4 63.6
119 30.9 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019331.D

Acq: 28 Aug 2024 15:36

Instrument :

MSVOA_Y

ClientSampleId :

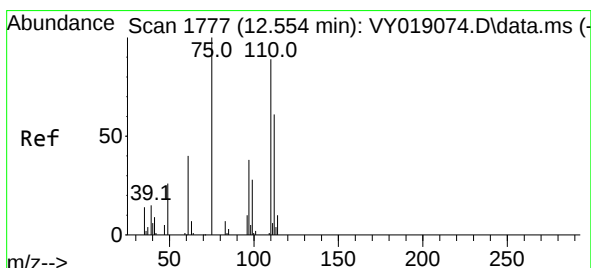
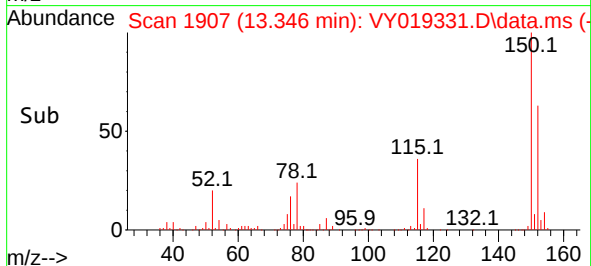
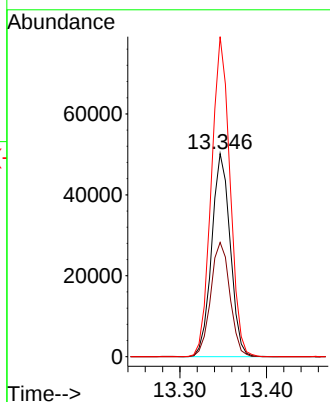
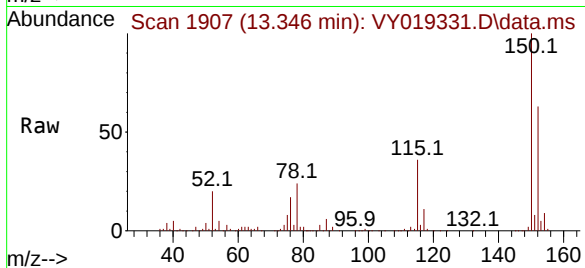
Tgt Ion:152 Resp: 74570

Ion Ratio Lower Upper

152 100

115 58.3 28.2 84.7

150 158.2 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 60.158 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY019331.D

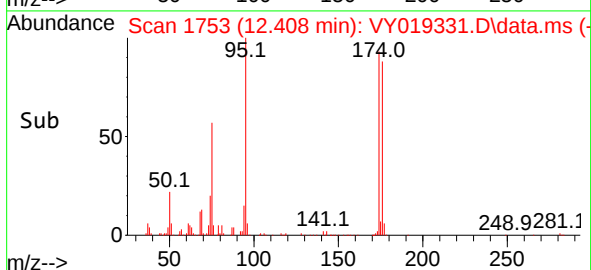
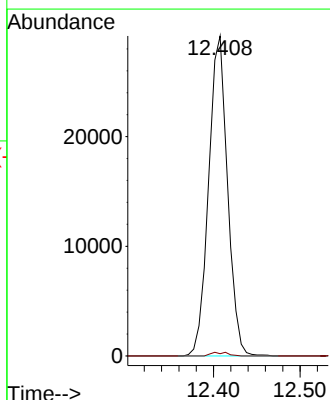
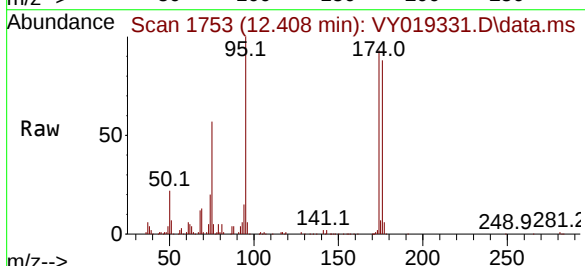
Acq: 28 Aug 2024 15:36

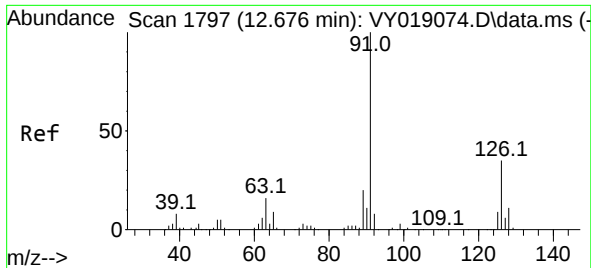
Tgt Ion: 75 Resp: 44240

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#

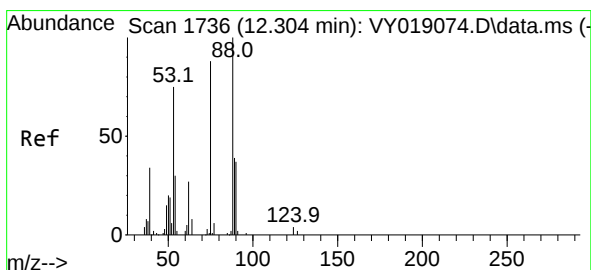
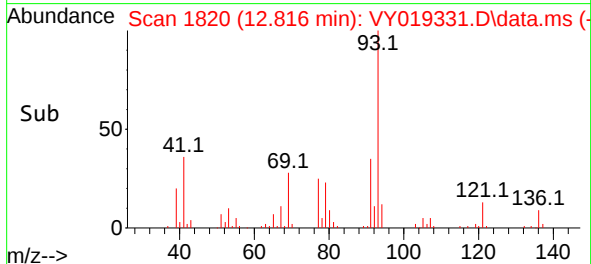
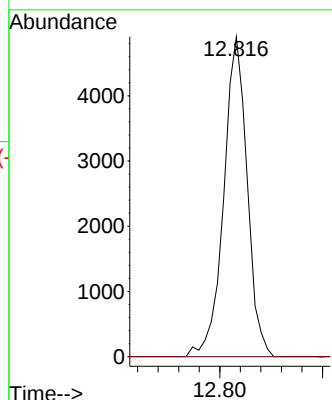
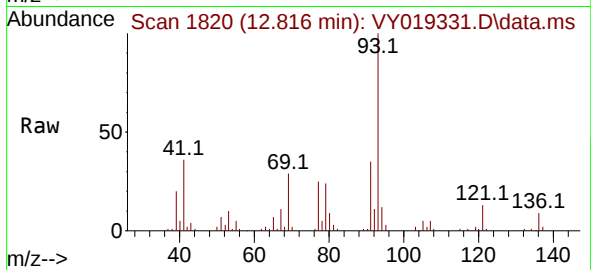




#79
2-Chlorotoluene
Concen: 2.025 ug/l
RT: 12.816 min Scan# 1797
Delta R.T. 0.140 min
Lab File: VY019331.D
Acq: 28 Aug 2024 15:36

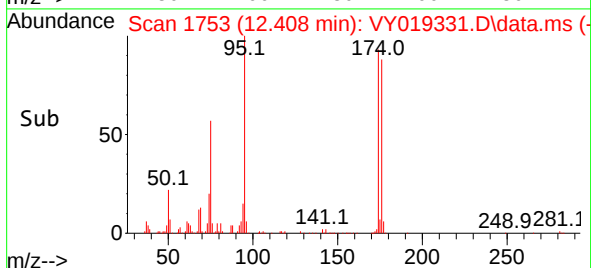
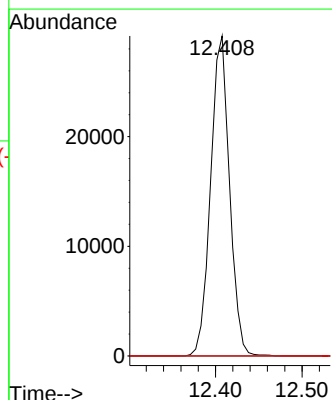
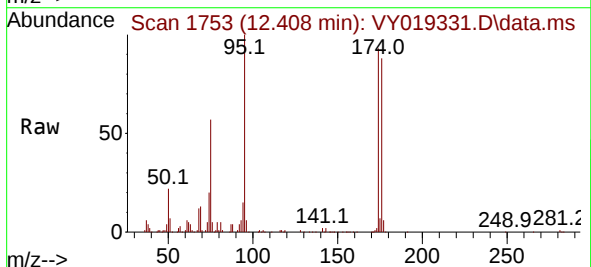
Instrument :
MSVOA_Y
ClientSampleId :

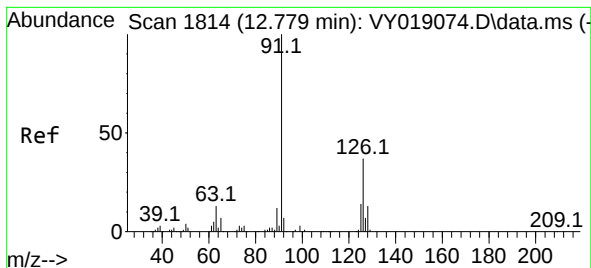
Tgt Ion: 91 Resp: 7755
Ion Ratio Lower Upper
91 100
126 0.0 17.8 53.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 148.570 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY019331.D
Acq: 28 Aug 2024 15:36

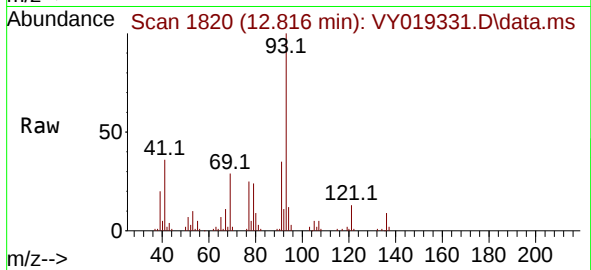
Tgt Ion: 75 Resp: 44240
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#





#82
 4-Chlorotoluene
 Concen: 1.946 ug/l
 RT: 12.816 min Scan# 11
 Delta R.T. 0.037 min
 Lab File: VY019331.D
 Acq: 28 Aug 2024 15:36

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 91 Resp: 7755
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.6 52.9#

