

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101724\
 Data File : VY019932.D
 Acq On : 17 Oct 2024 15:14
 Operator : SY/MD
 Sample : P4422-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 18 01:42:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 05:44:48 2024
 Response via : Initial Calibration

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

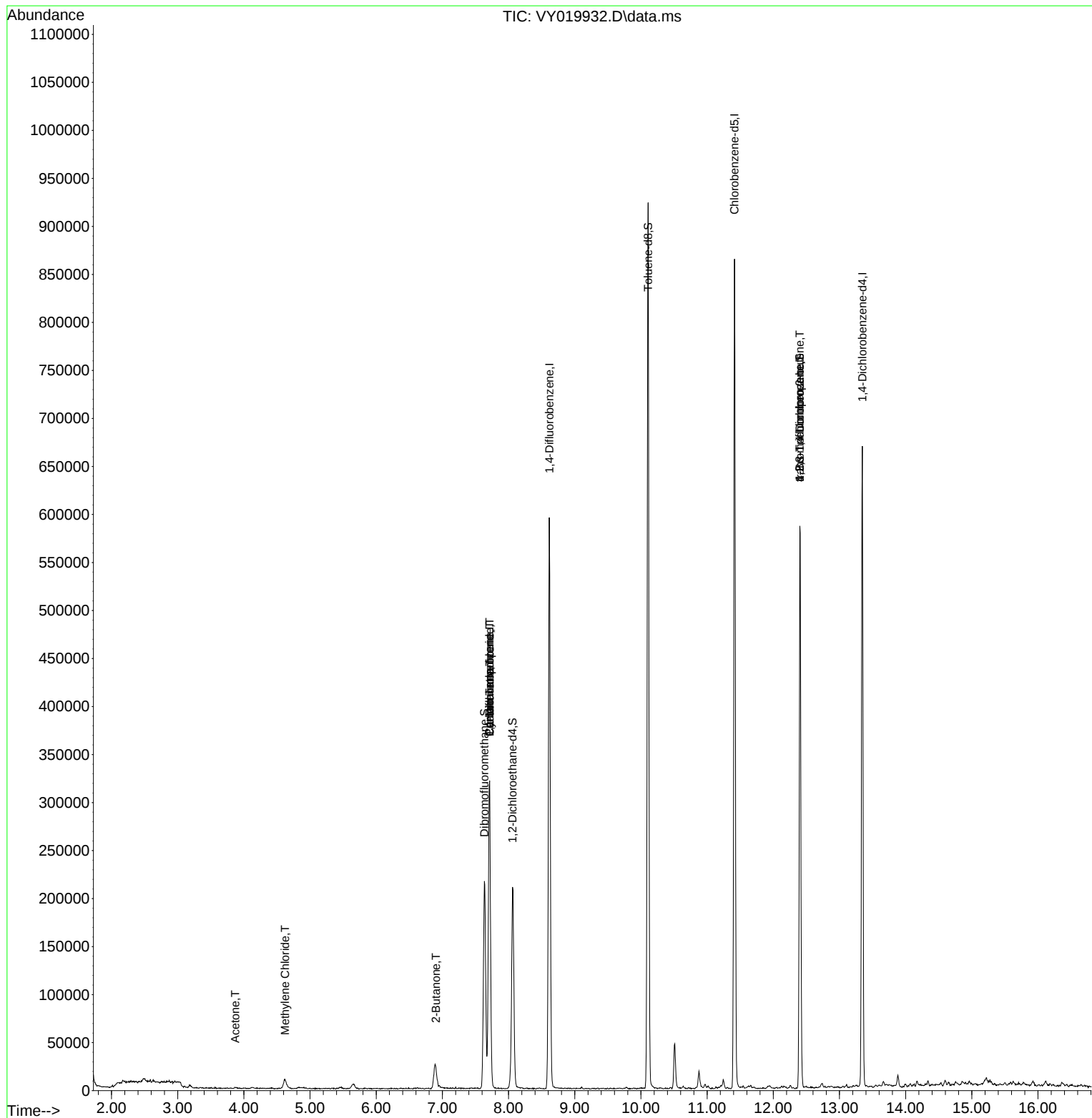
Internal Standards						
1) Pentafluorobenzene	7.713	168	225447	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	464494	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	416728	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	148649	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	159464	57.446	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	=	114.900%	
35) Dibromofluoromethane	7.634	113	151382	49.388	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	=	98.780%	
50) Toluene-d8	10.109	98	572793	50.604	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	=	101.200%	
62) 4-Bromofluorobenzene	12.401	95	175427	42.892	ug/l	0.00
Spiked Amount	50.000	Range 29 - 146	Recovery	=	85.780%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.848	59	926	Below Cal	#	88
16) Acetone	3.872	43	887	1.227	ug/l #	58
20) Methylene Chloride	4.622	84	5821	1.396	ug/l #	80
25) 2-Butanone	6.902	43	1620	1.675	ug/l #	80
31) Cyclohexane	7.713	56	6472	1.395	ug/l #	28
36) 1,1-Dichloropropene	7.713	75	21889	4.957	ug/l #	47
38) Carbon Tetrachloride	7.713	117	25977	5.487	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	101606	34.892	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	101606	140.837	ug/l #	16

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

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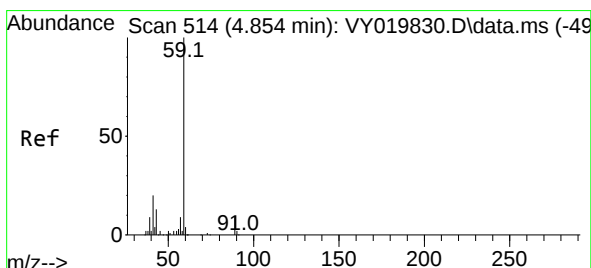
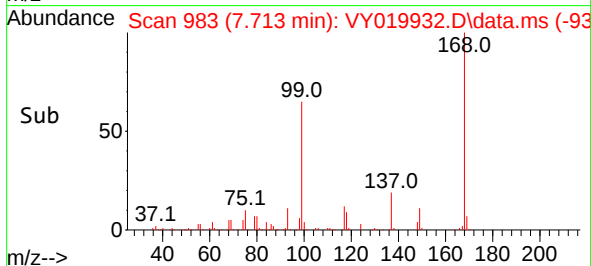
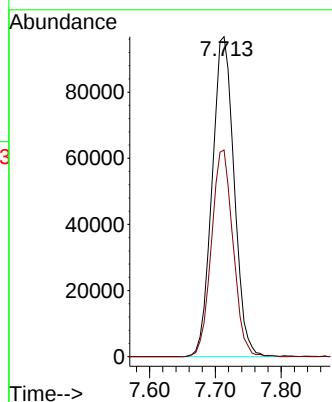
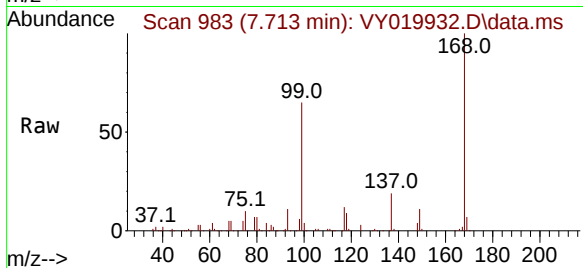




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019932.D
Acq: 17 Oct 2024 15:14

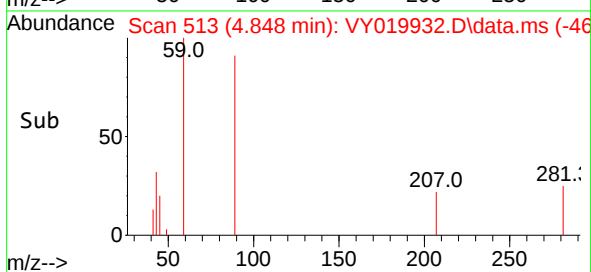
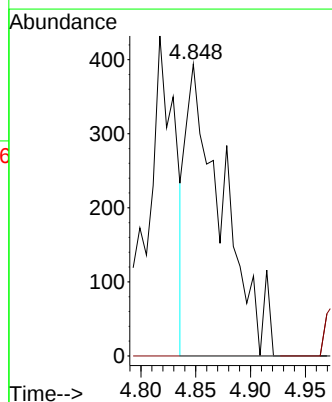
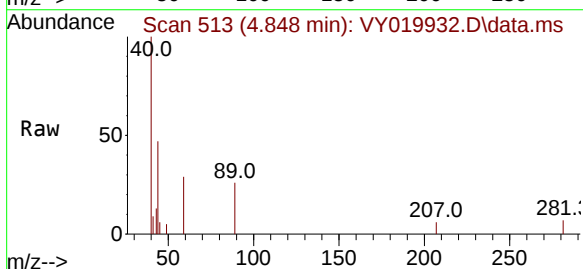
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 225447
Ion Ratio Lower Upper
168 100
99 64.6 39.1 58.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.848 min Scan# 513
Delta R.T. -0.012 min
Lab File: VY019932.D
Acq: 17 Oct 2024 15:14

Tgt Ion: 59 Resp: 926
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

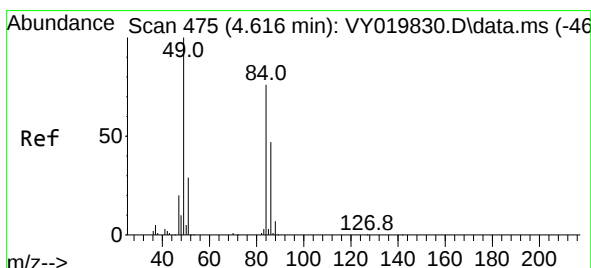
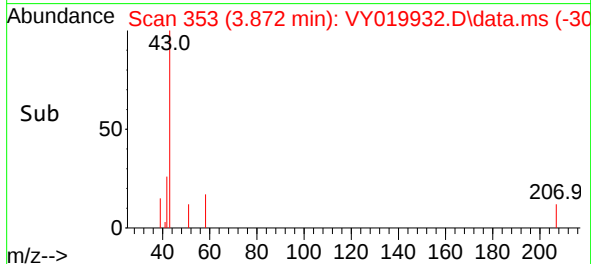
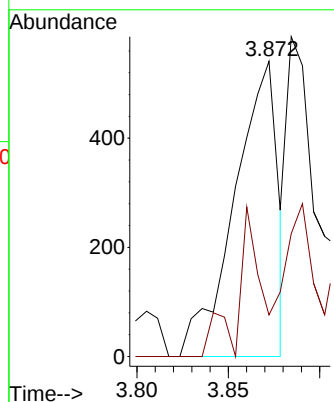
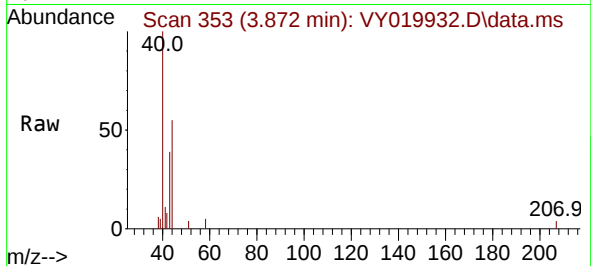




#16
Acetone
Concen: 1.227 ug/l
RT: 3.872 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY019932.D
Acq: 17 Oct 2024 15:14

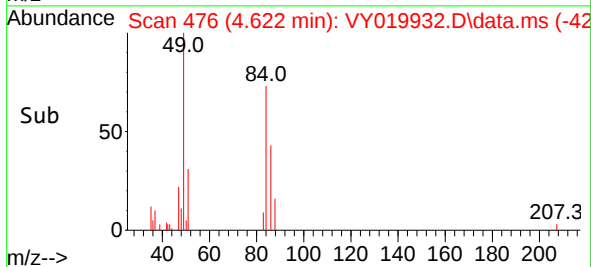
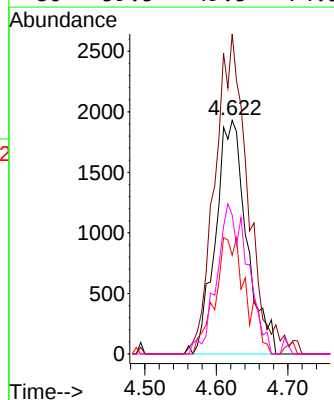
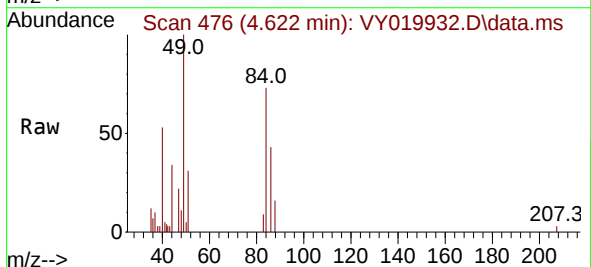
Instrument :
MSVOA_Y
ClientSampleId :

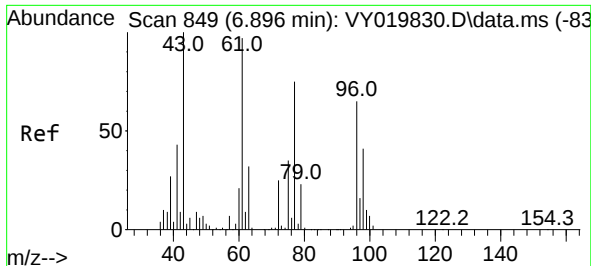
Tgt Ion: 43 Resp: 887
Ion Ratio Lower Upper
43 100
58 14.0 31.7 47.5#



#20
Methylene Chloride
Concen: 1.396 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY019932.D
Acq: 17 Oct 2024 15:14

Tgt Ion: 84 Resp: 5821
Ion Ratio Lower Upper
84 100
49 136.9 84.4 126.6#
51 42.3 26.0 39.0#
86 59.5 49.5 74.3





#25

2-Butanone

Concen: 1.675 ug/l

RT: 6.902 min Scan# 81

Delta R.T. 0.012 min

Lab File: VY019932.D

Acq: 17 Oct 2024 15:14

Instrument :

MSVOA_Y

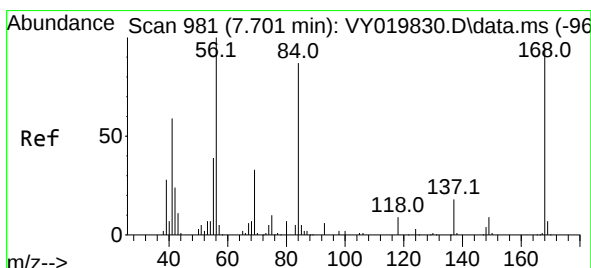
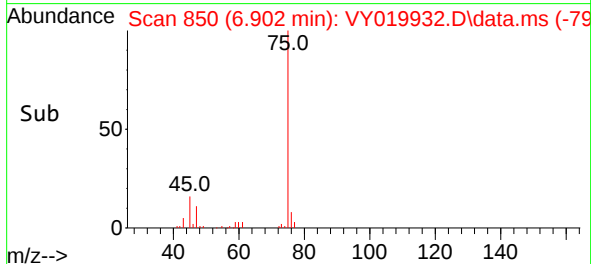
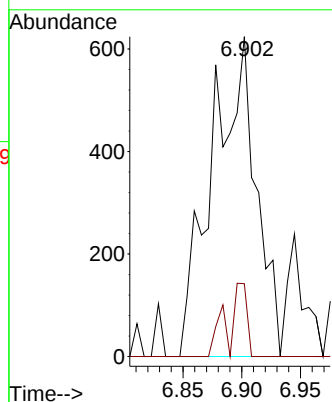
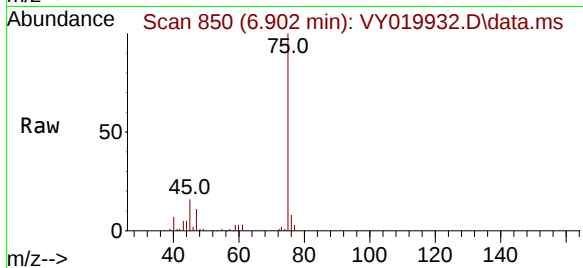
ClientSampleId :

Tgt Ion: 43 Resp: 1620

Ion Ratio Lower Upper

43 100

72 22.8 27.3 40.9#



#31

Cyclohexane

Concen: 1.395 ug/l

RT: 7.713 min Scan# 983

Delta R.T. 0.012 min

Lab File: VY019932.D

Acq: 17 Oct 2024 15:14

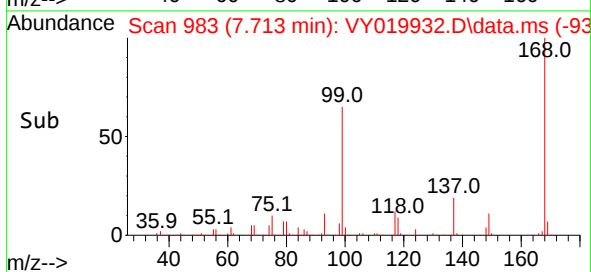
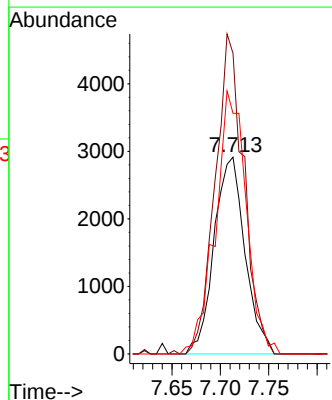
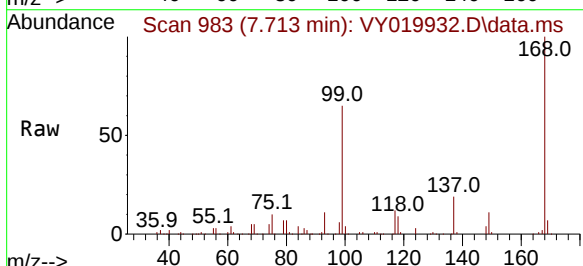
Tgt Ion: 56 Resp: 6472

Ion Ratio Lower Upper

56 100

69 152.8 28.7 43.1#

84 122.3 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 57.446 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY019932.D

Acq: 17 Oct 2024 15:14

Instrument :

MSVOA_Y

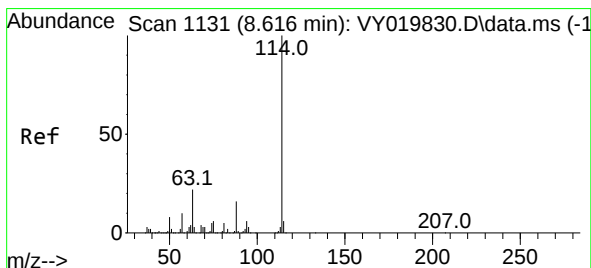
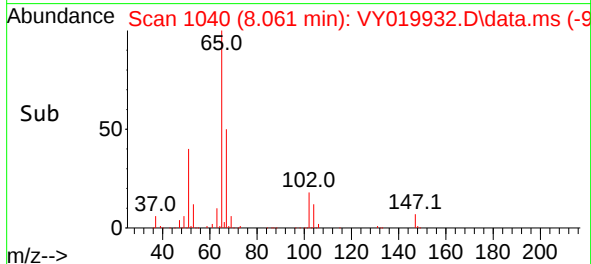
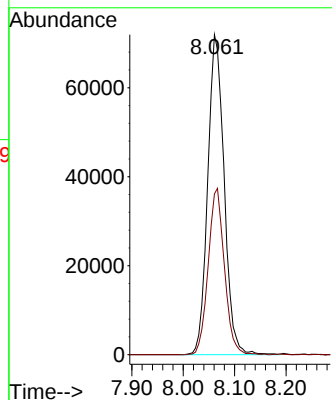
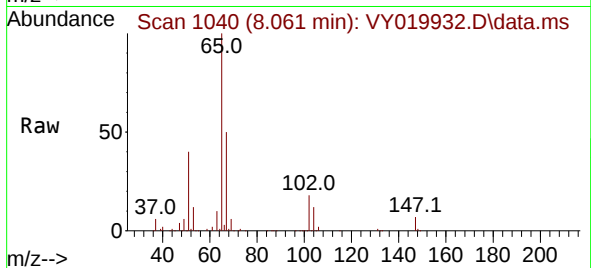
ClientSampleId :

Tgt Ion: 65 Resp: 159464

Ion Ratio Lower Upper

65 100

67 51.4 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019932.D

Acq: 17 Oct 2024 15:14

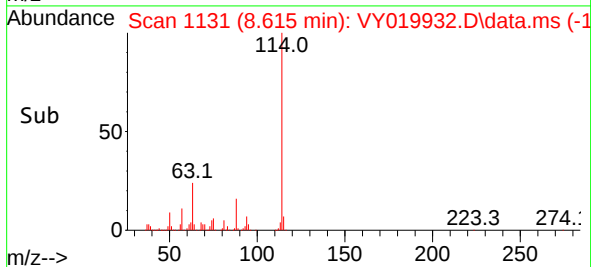
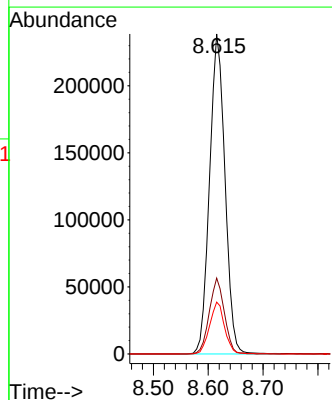
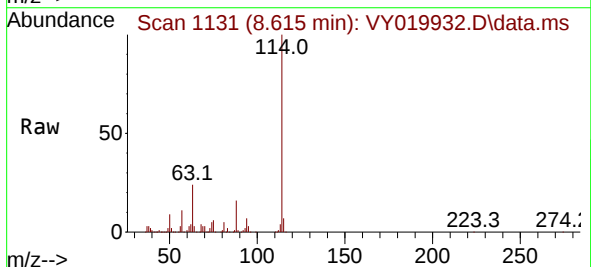
Tgt Ion: 114 Resp: 464494

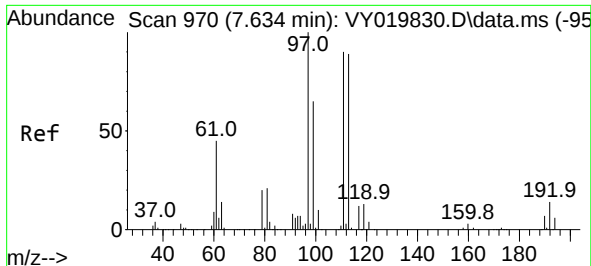
Ion Ratio Lower Upper

114 100

63 23.7 0.0 35.0

88 16.2 0.0 27.2





#35

Dibromofluoromethane

Concen: 49.388 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

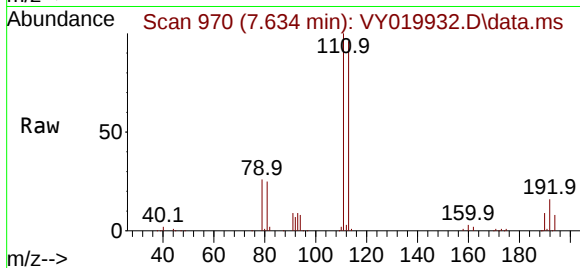
Lab File: VY019932.D

Acq: 17 Oct 2024 15:14

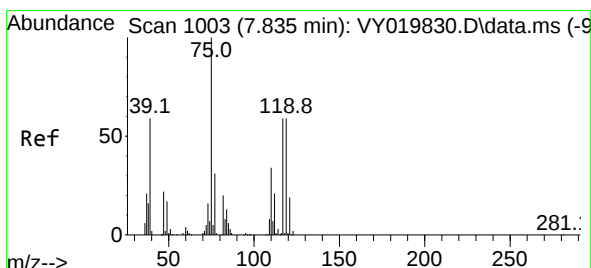
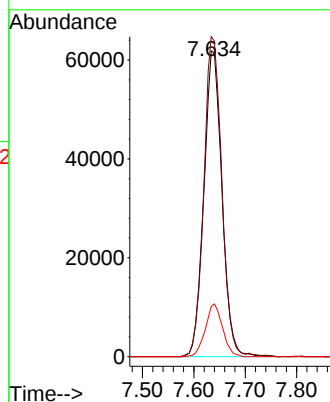
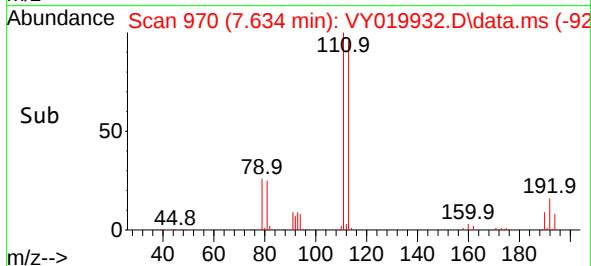
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	113	Resp:	151382
Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.2	123.4
192	16.4	15.9	23.9



#36

1,1-Dichloropropene

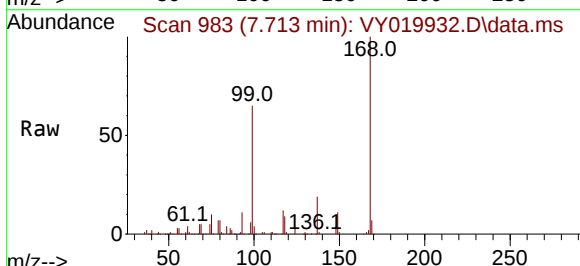
Concen: 4.957 ug/l

RT: 7.713 min Scan# 983

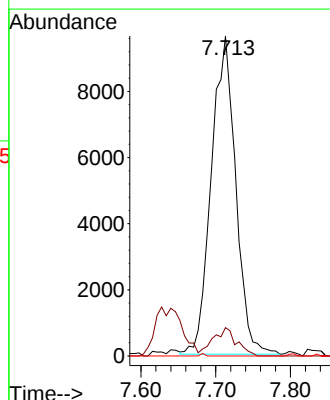
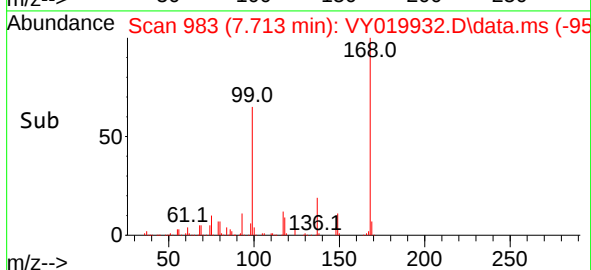
Delta R.T. -0.122 min

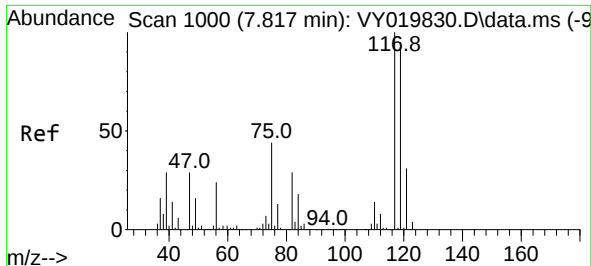
Lab File: VY019932.D

Acq: 17 Oct 2024 15:14



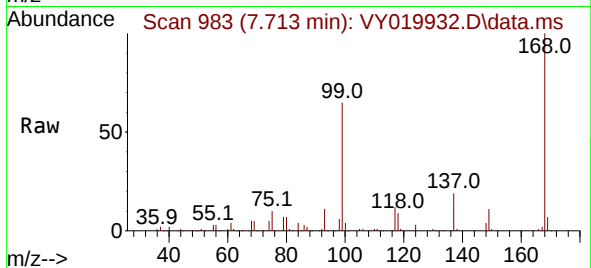
Tgt Ion:	75	Resp:	21889
Ion	Ratio	Lower	Upper
75	100		
110	8.6	19.0	57.0#
77	0.0	25.3	37.9#



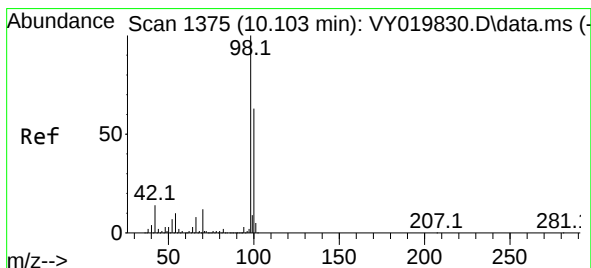
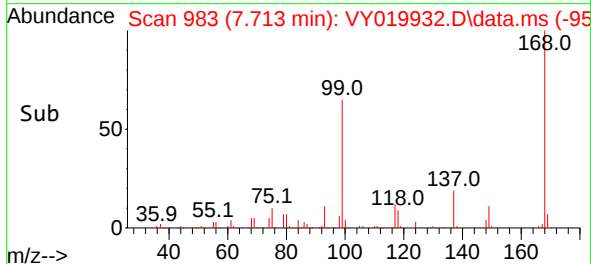
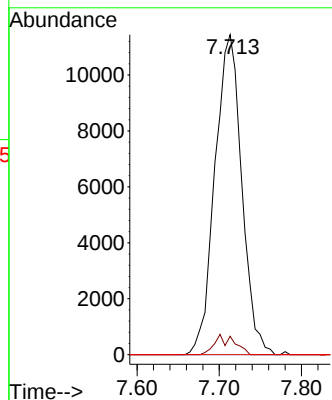


#38
Carbon Tetrachloride
Concen: 5.487 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY019932.D
Acq: 17 Oct 2024 15:14

Instrument :
MSVOA_Y
ClientSampleId :

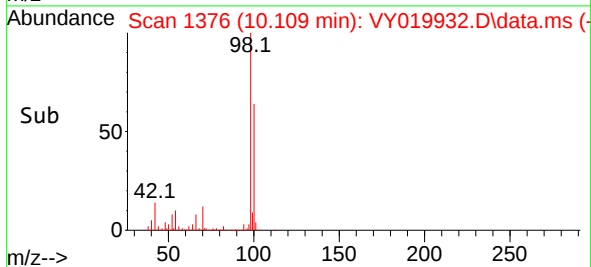
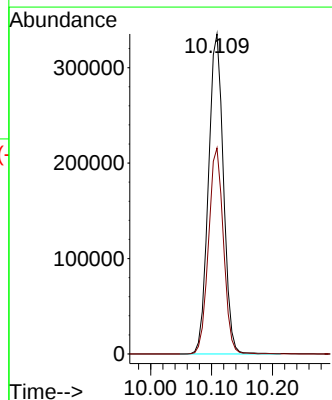
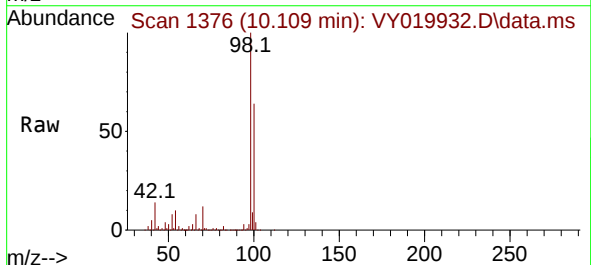


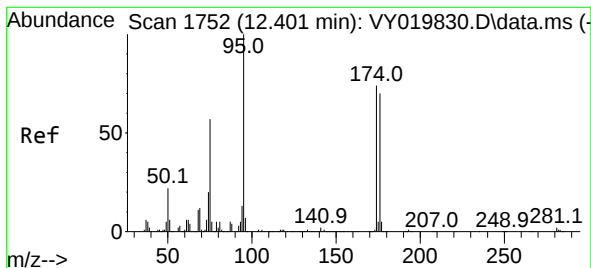
Tgt Ion:117 Resp: 25977
Ion Ratio Lower Upper
117 100
119 5.8 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 50.604 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY019932.D
Acq: 17 Oct 2024 15:14

Tgt Ion: 98 Resp: 572793
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0

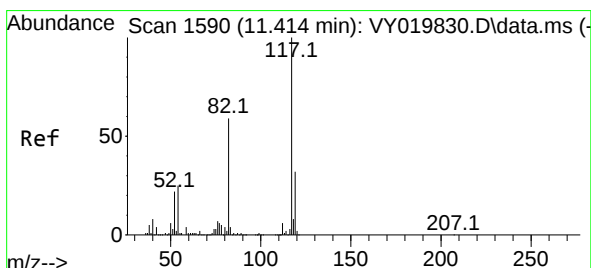
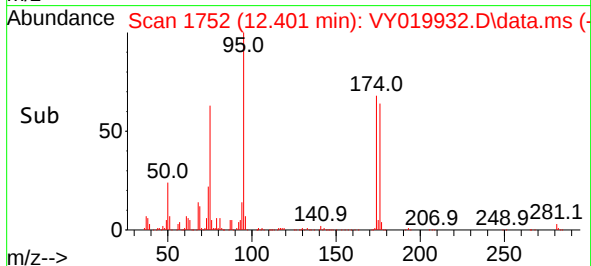
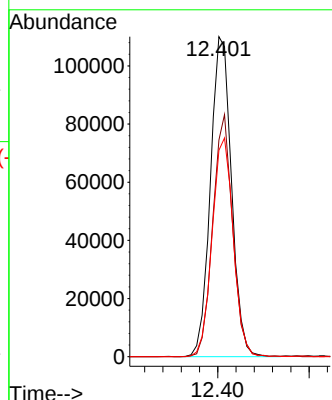
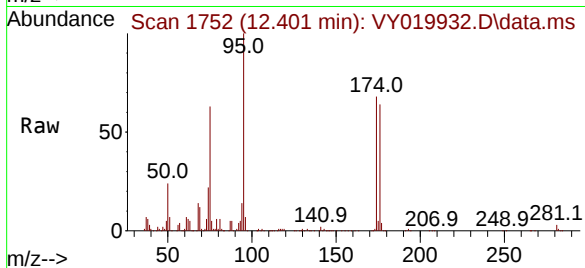




#62
4-Bromofluorobenzene
Concen: 42.892 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019932.D
Acq: 17 Oct 2024 15:14

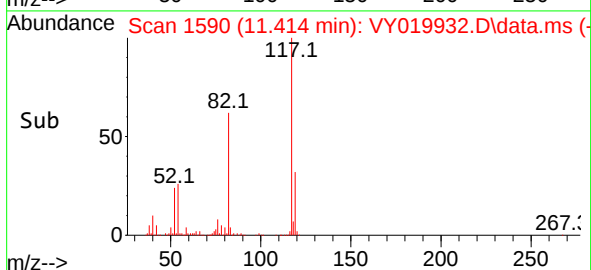
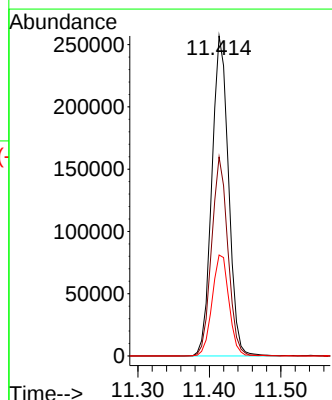
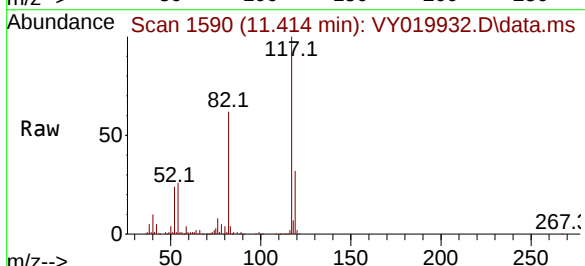
Instrument :
MSVOA_Y
ClientSampleId :

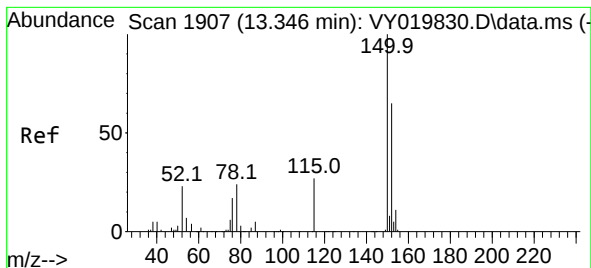
Tgt Ion: 95 Resp: 175427
Ion Ratio Lower Upper
95 100
174 71.3 0.0 175.6
176 68.8 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019932.D
Acq: 17 Oct 2024 15:14

Tgt Ion: 117 Resp: 416728
Ion Ratio Lower Upper
117 100
82 62.2 42.4 63.6
119 31.5 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: VY019932.D

Acq: 17 Oct 2024 15:14

Instrument :

MSVOA_Y

ClientSampleId :

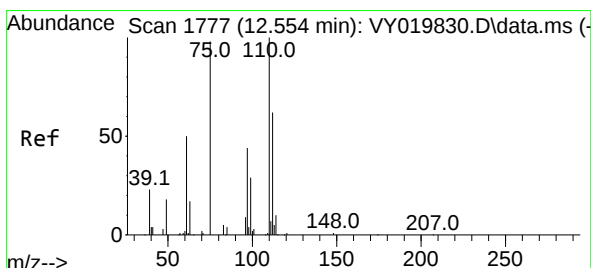
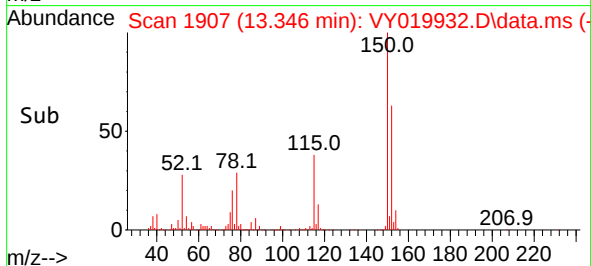
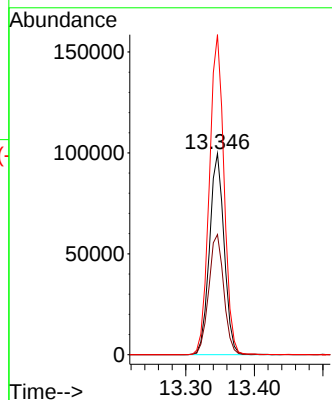
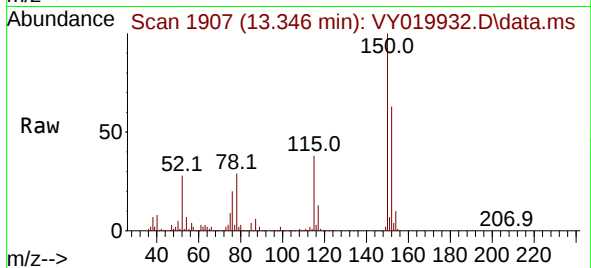
Tgt Ion:152 Resp: 148649

Ion Ratio Lower Upper

152 100

115 61.3 28.2 84.7

150 159.2 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 34.892 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.158 min

Lab File: VY019932.D

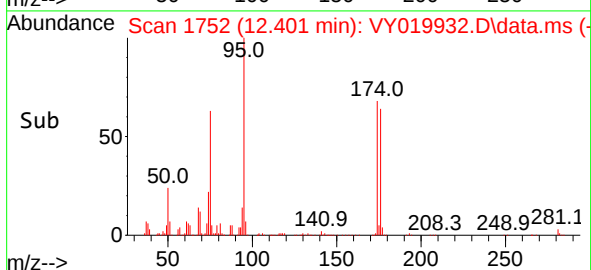
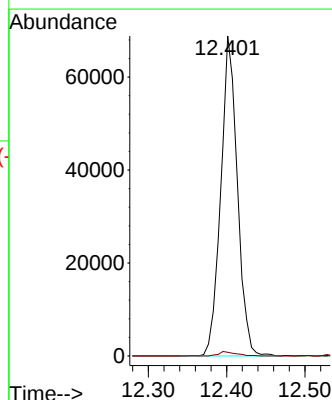
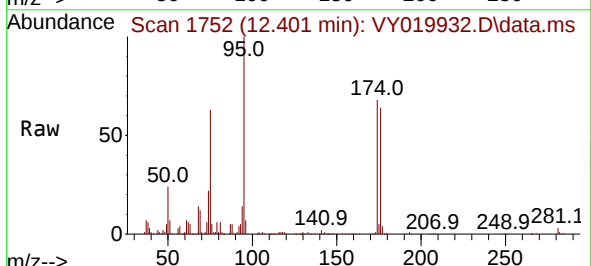
Acq: 17 Oct 2024 15:14

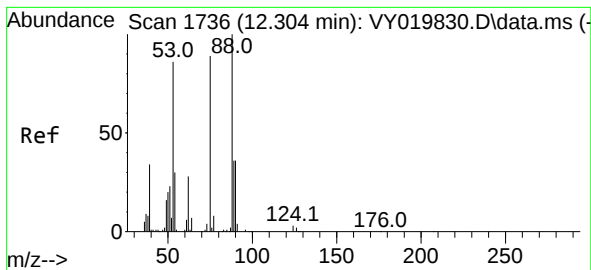
Tgt Ion: 75 Resp: 101606

Ion Ratio Lower Upper

75 100

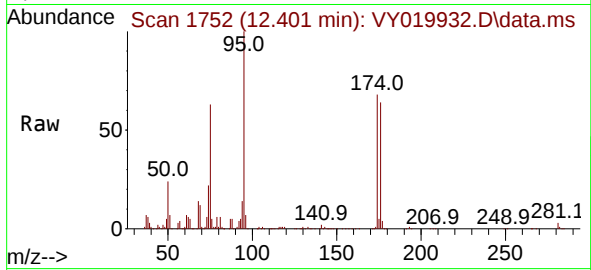
77 1.4 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 140.837 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY019932.D
Acq: 17 Oct 2024 15:14

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 101606
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.1 35.8 53.6#

