

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051822\
 Data File : VY008843.D
 Acq On : 19 May 2022 03:22
 Operator : KP/MD
 Sample : N2869-16
 Misc : 4.98g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P032-SS001-0006-01

Quant Time: May 19 03:58:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 07:32:50 2022
 Response via : Initial Calibration

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

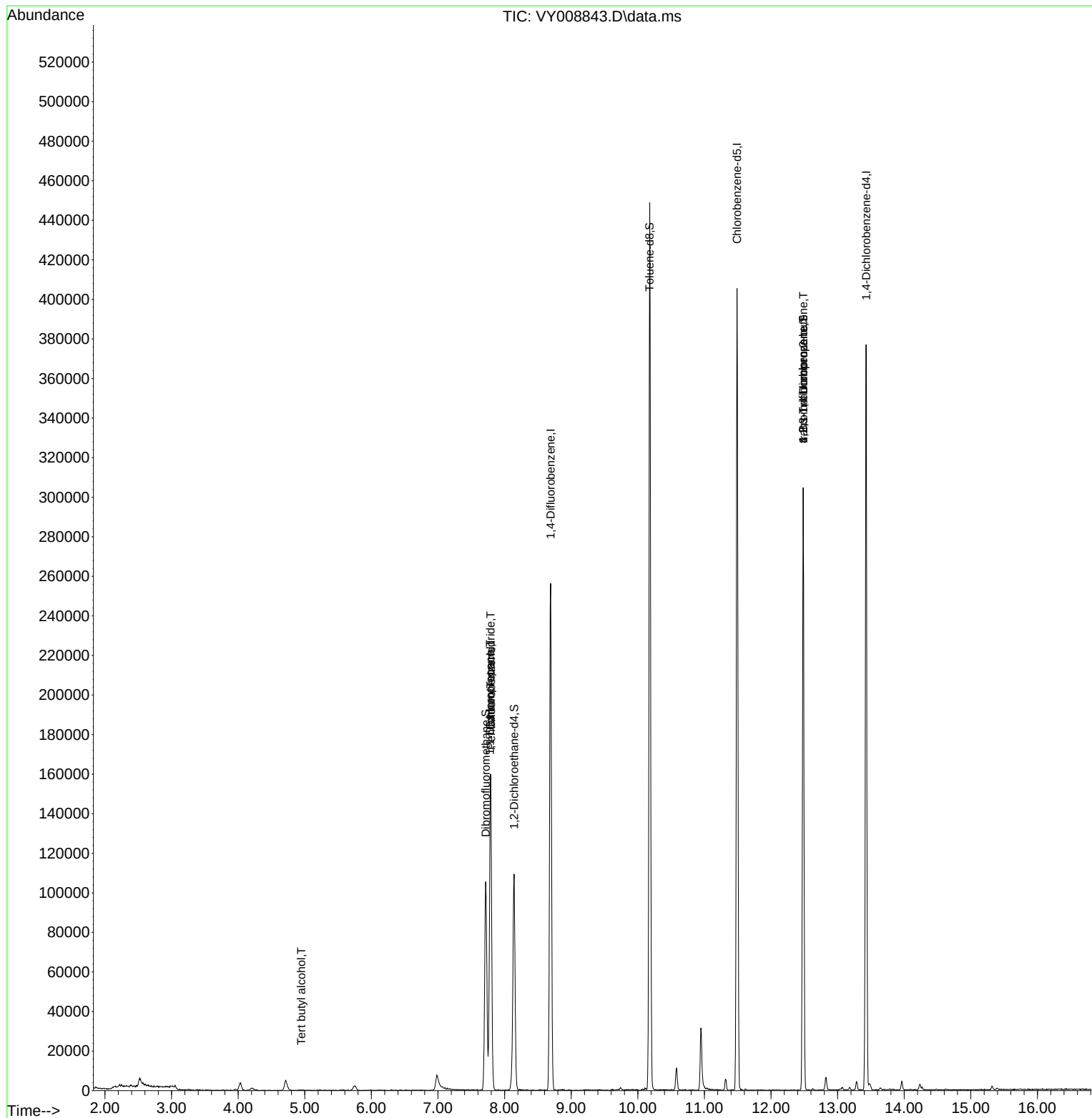
Internal Standards						
1) Pentafluorobenzene	7.795	168	122163	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	219777	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	212359	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	89121	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	76477	67.481	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 134.960%	
35) Dibromofluoromethane	7.715	113	71211	55.456	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.920%	
50) Toluene-d8	10.178	98	278658	48.895	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.800%	
62) 4-Bromofluorobenzene	12.483	95	78953	39.544	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 79.080%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	51	Below Cal	#	44
4) Vinyl Chloride	2.247	62	75	Below Cal	#	43
5) Bromomethane	2.655	94	116	Below Cal	#	79
6) Chloroethane	2.698	64	38	Below Cal	#	43
11) Tert butyl alcohol	4.948	59	151	1.206	ug/l #	77
16) Acetone	3.960	43	650	Below Cal	#	47
18) Methyl Acetate	4.314	43	19	Below Cal	#	56
20) Methylene Chloride	4.716	84	3601	Below Cal	#	77
31) Cyclohexane	7.789	56	2899	Below Cal	#	2
36) 1,1-Dichloropropene	7.782	75	10369	5.042	ug/l #	50
38) Carbon Tetrachloride	7.789	117	12092	5.486	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	46056	44.737	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	46056	97.853	ug/l #	7

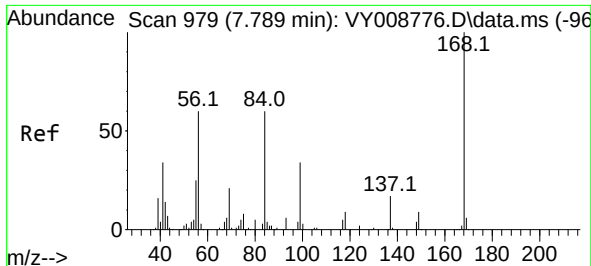
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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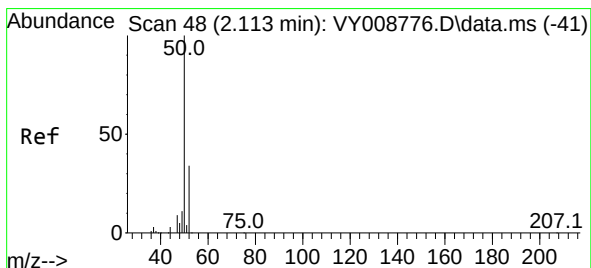
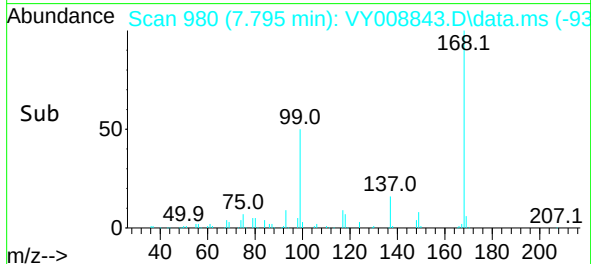
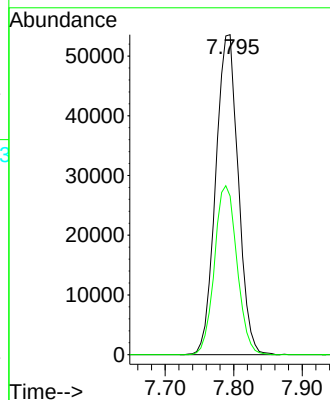
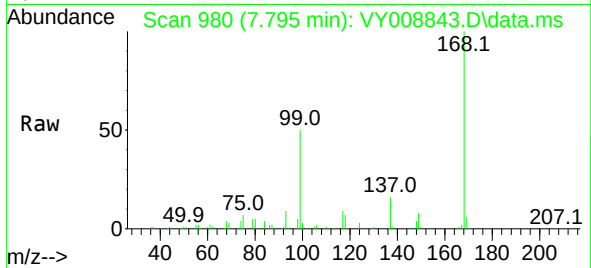




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY008843.D
Acq: 19 May 2022 03:22

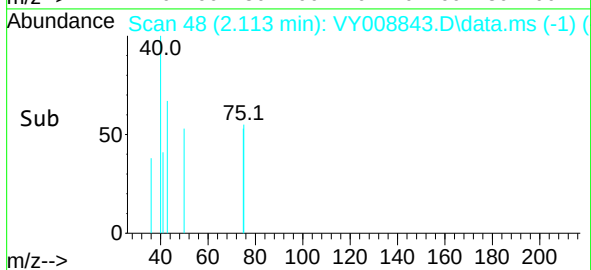
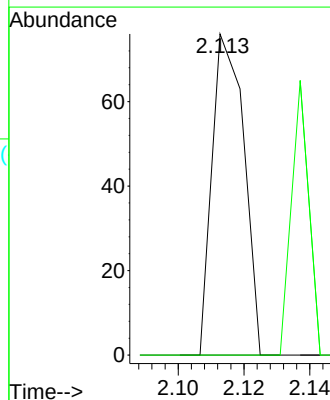
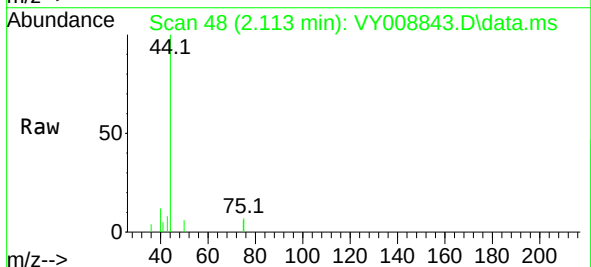
Instrument :
MSVOA_Y
ClientSampleId :
P032-SS001-0006-01

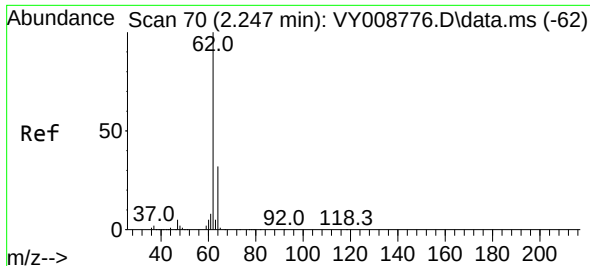
Tgt Ion:168 Resp: 122163
Ion Ratio Lower Upper
168 100
99 49.6 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. -0.000 min
Lab File: VY008843.D
Acq: 19 May 2022 03:22

Tgt Ion: 50 Resp: 51
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

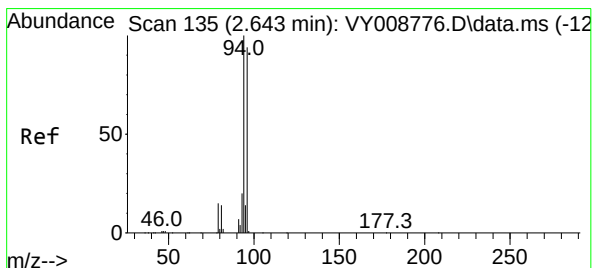
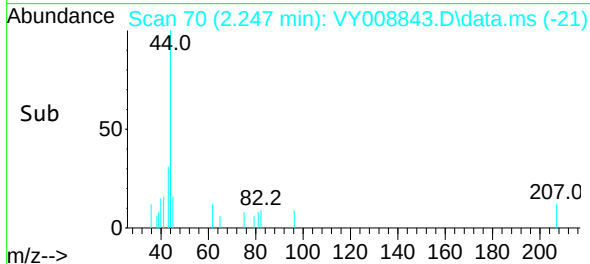
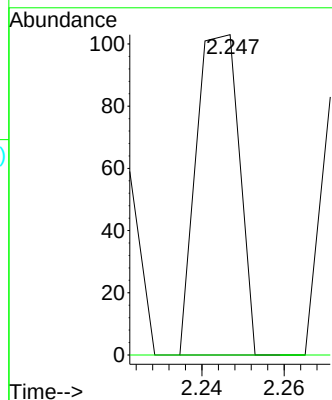
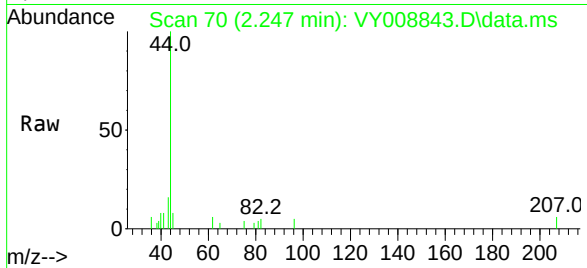




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.247 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VY008843.D
 Acq: 19 May 2022 03:22

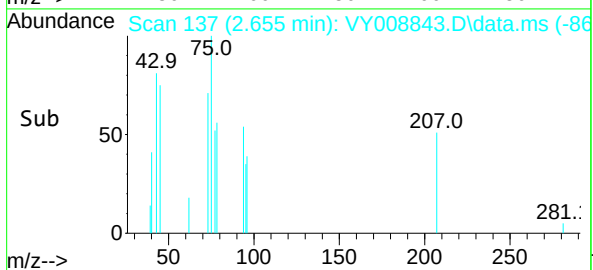
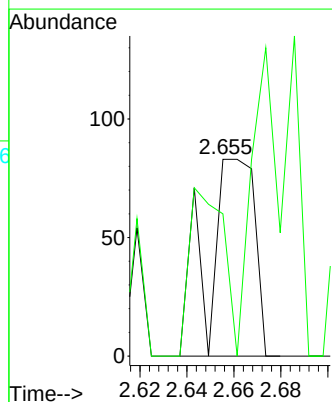
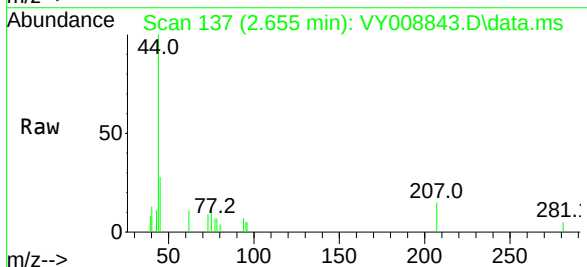
Instrument :
 MSVOA_Y
 ClientSampleId :
 P032-SS001-0006-01

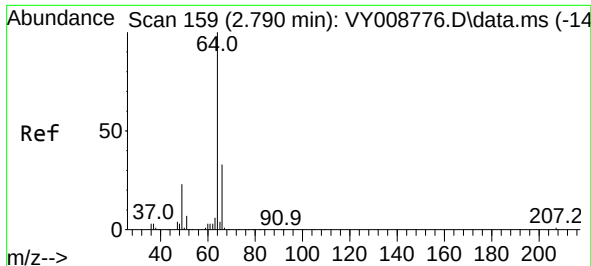
Tgt Ion: 62 Resp: 75
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.655 min Scan# 137
 Delta R.T. 0.012 min
 Lab File: VY008843.D
 Acq: 19 May 2022 03:22

Tgt Ion: 94 Resp: 116
 Ion Ratio Lower Upper
 94 100
 96 72.3 73.5 110.3#

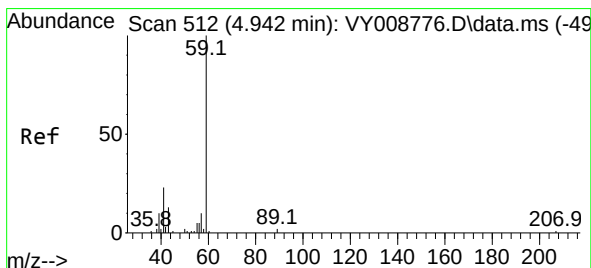
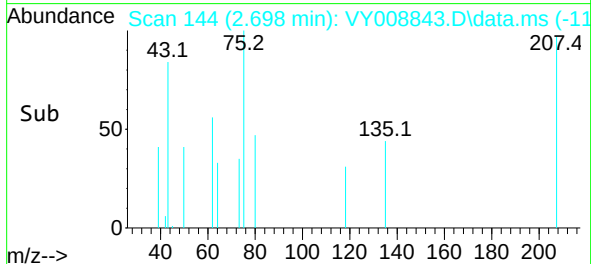
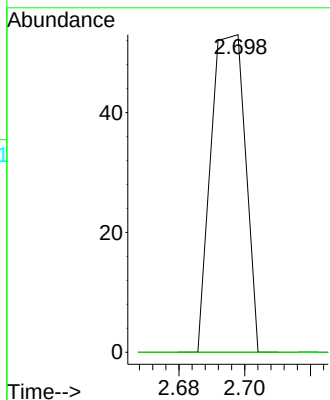
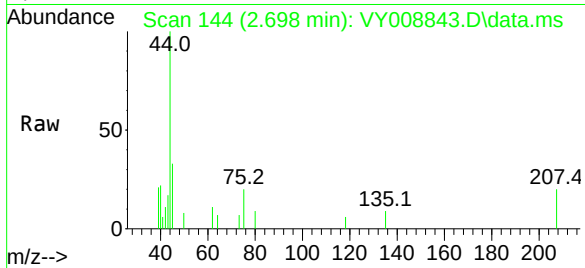




#6
Chloroethane
Concen: Below Cal
RT: 2.698 min Scan# 14
Delta R.T. -0.092 min
Lab File: VY008843.D
Acq: 19 May 2022 03:22

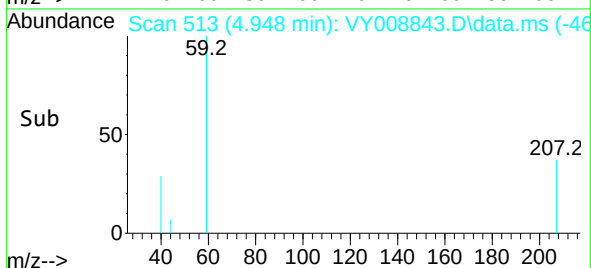
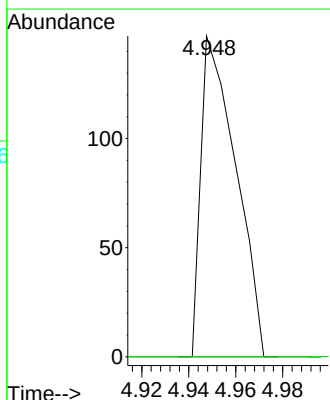
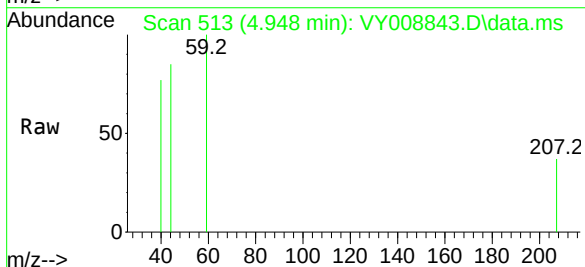
Instrument :
MSVOA_Y
ClientSampleId :
P032-SS001-0006-01

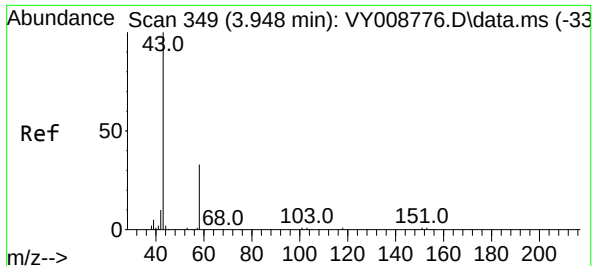
Tgt Ion: 64 Resp: 38
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 1.206 ug/l
RT: 4.948 min Scan# 513
Delta R.T. 0.006 min
Lab File: VY008843.D
Acq: 19 May 2022 03:22

Tgt Ion: 59 Resp: 151
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

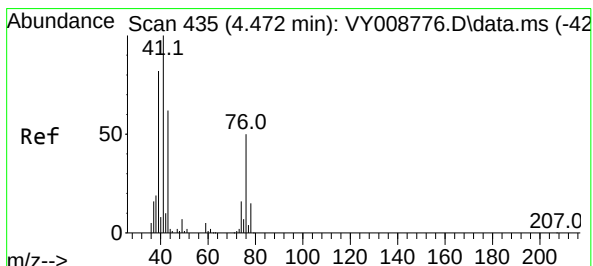
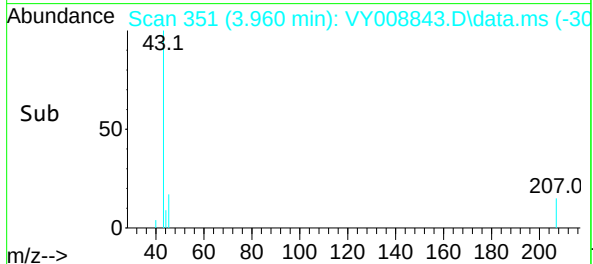
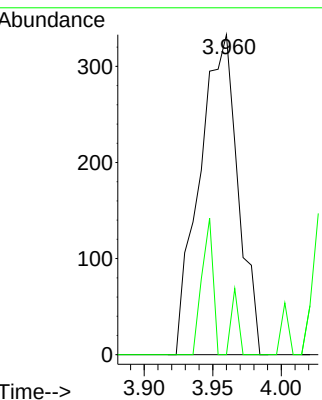
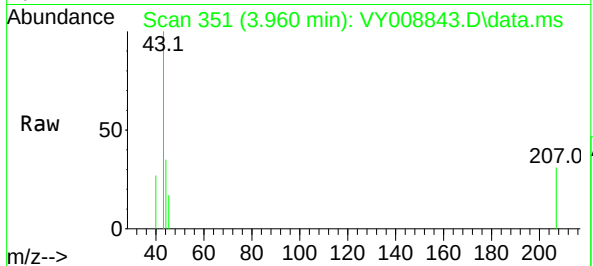




#16
Acetone
Concen: Below Cal
RT: 3.960 min Scan# 311
Delta R.T. 0.012 min
Lab File: VY008843.D
Acq: 19 May 2022 03:22

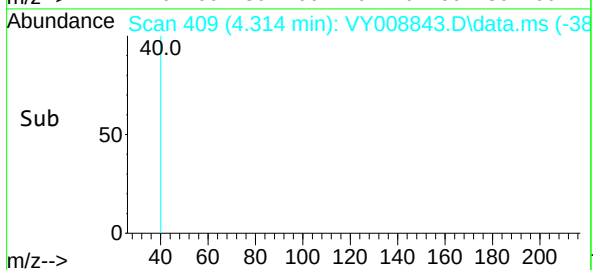
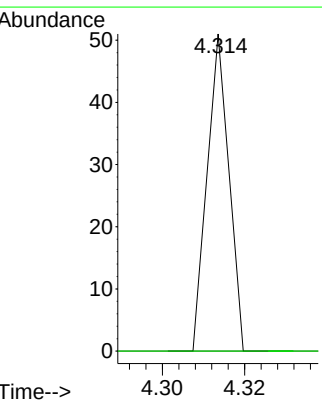
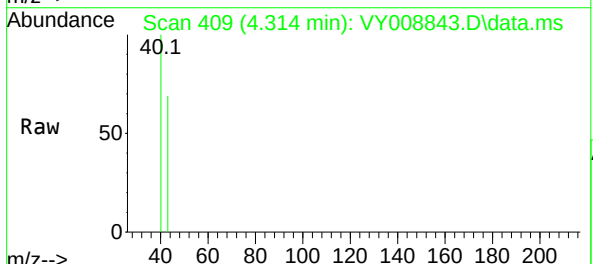
Instrument :
MSVOA_Y
ClientSampleId :
P032-SS001-0006-01

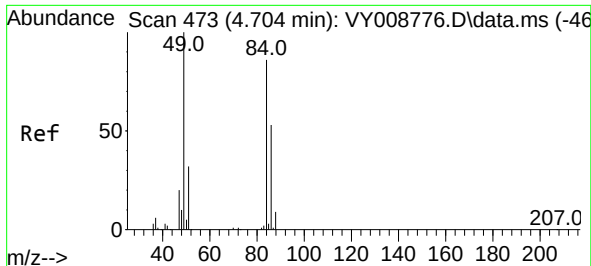
Tgt Ion: 43 Resp: 650
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.314 min Scan# 409
Delta R.T. -0.158 min
Lab File: VY008843.D
Acq: 19 May 2022 03:22

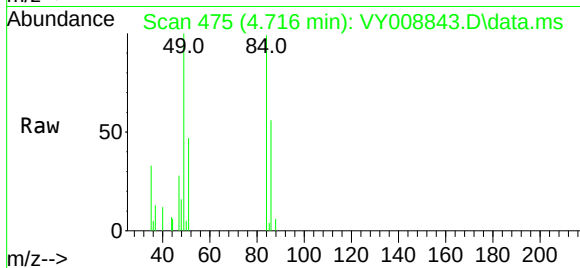
Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



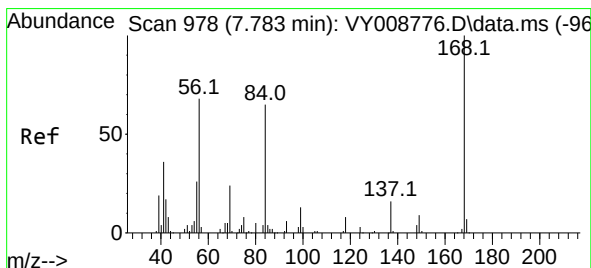
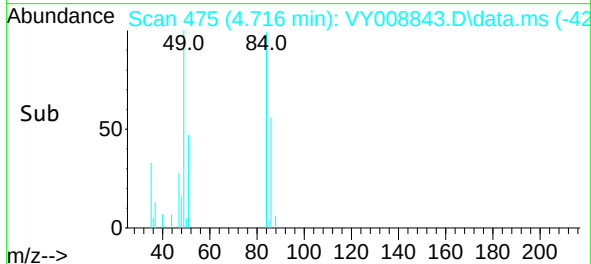
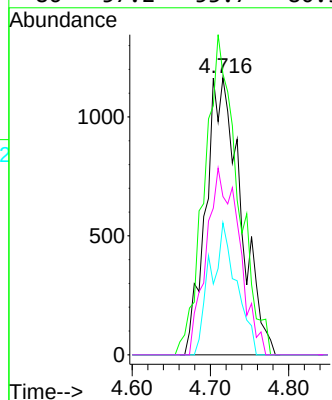


#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY008843.D
Acq: 19 May 2022 03:22

Instrument :
MSVOA_Y
ClientSampleId :
P032-SS001-0006-01

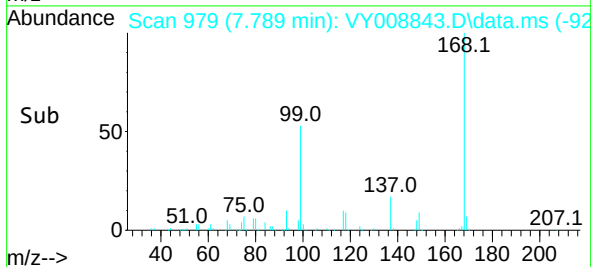
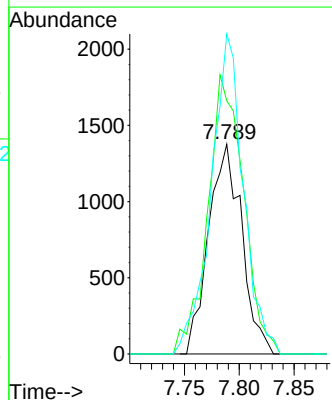
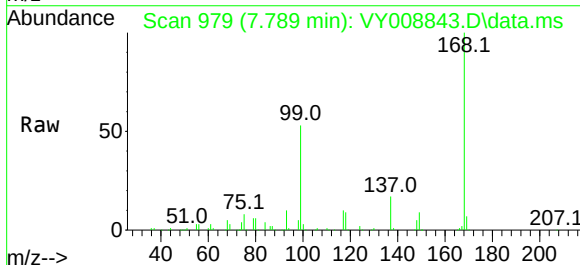


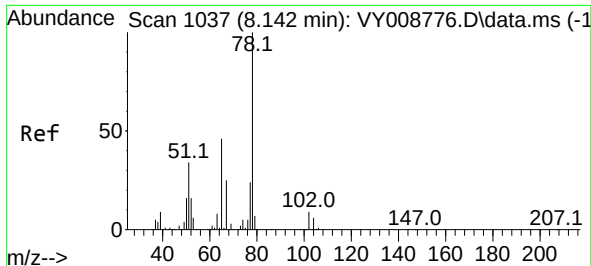
Tgt Ion: 84 Resp: 3601
Ion Ratio Lower Upper
84 100
49 101.4 114.4 171.6#
51 47.6 35.3 52.9
86 57.2 53.7 80.5



#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY008843.D
Acq: 19 May 2022 03:22

Tgt Ion: 56 Resp: 2899
Ion Ratio Lower Upper
56 100
69 120.6 26.7 40.1#
84 152.5 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 67.481 ug/l

RT: 8.142 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY008843.D

Acq: 19 May 2022 03:22

Instrument :

MSVOA_Y

ClientSampleId :

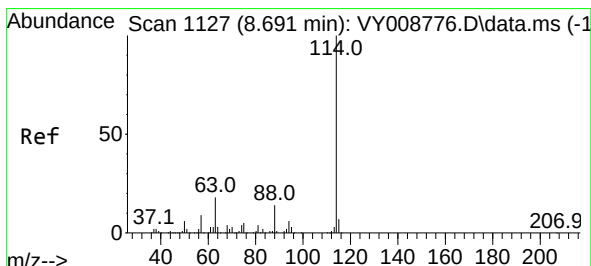
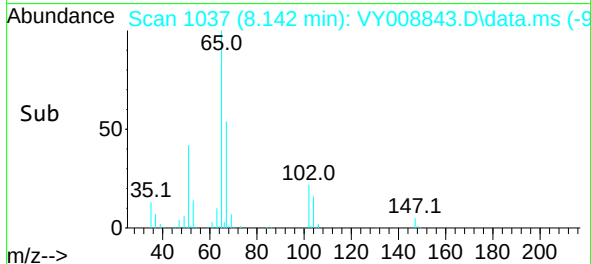
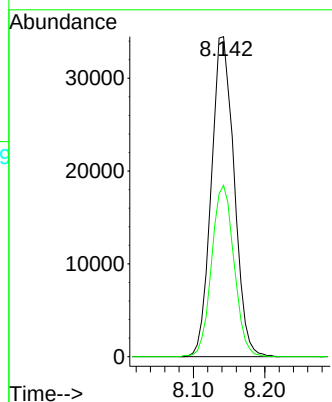
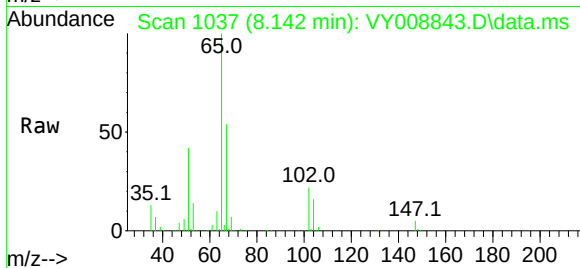
P032-SS001-0006-01

Tgt Ion: 65 Resp: 76477

Ion Ratio Lower Upper

65 100

67 52.6 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY008843.D

Acq: 19 May 2022 03:22

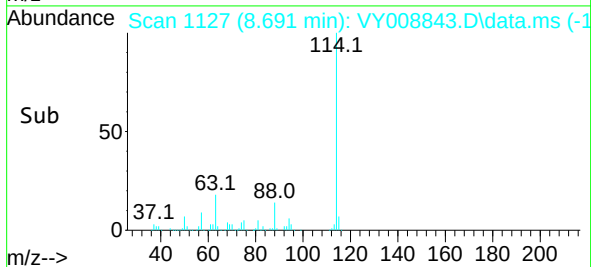
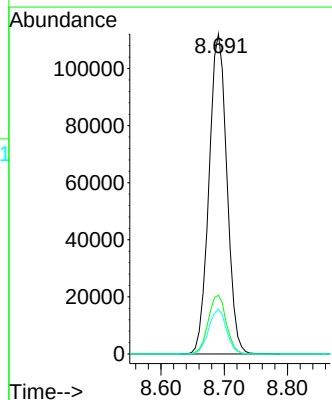
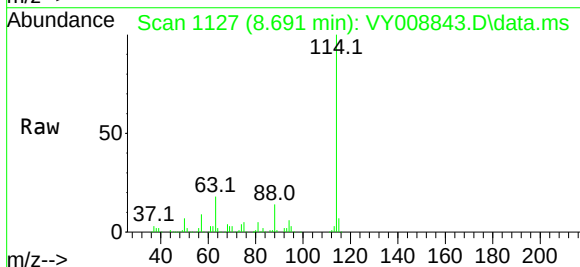
Tgt Ion: 114 Resp: 219777

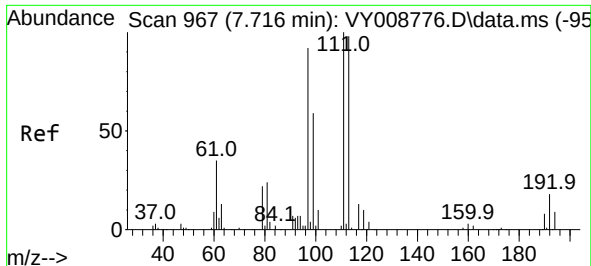
Ion Ratio Lower Upper

114 100

63 18.3 0.0 43.2

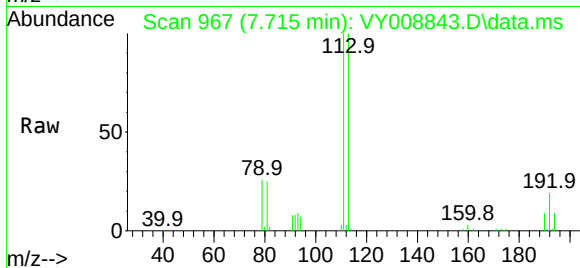
88 14.0 0.0 31.8



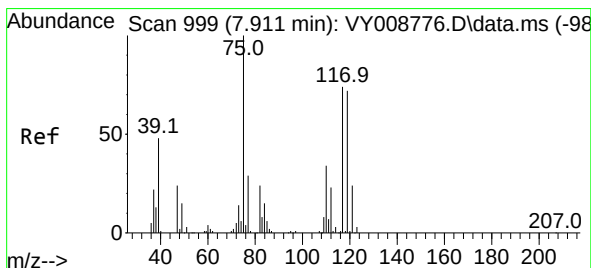
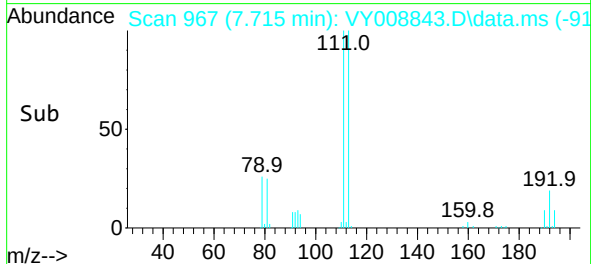
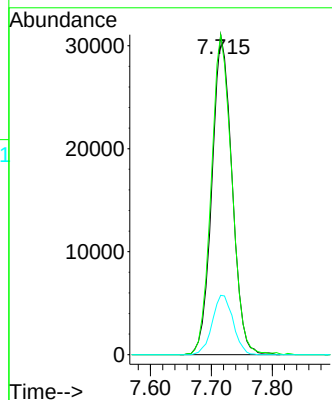


#35
Dibromofluoromethane
Concen: 55.456 ug/l
RT: 7.715 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY008843.D
Acq: 19 May 2022 03:22

Instrument :
MSVOA_Y
ClientSampleId :
P032-SS001-0006-01

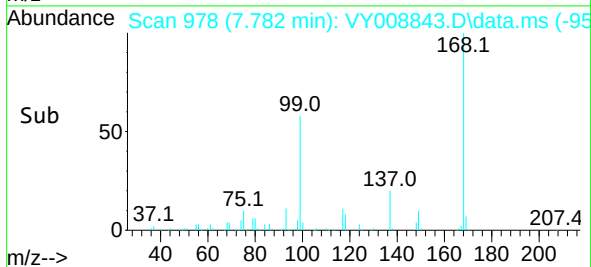
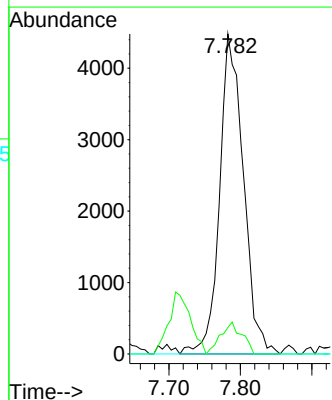
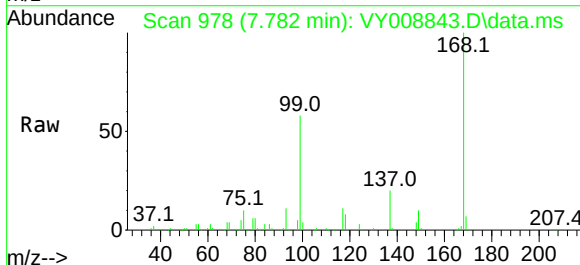


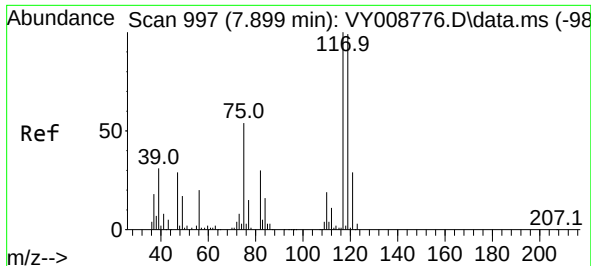
Tgt Ion:113 Resp: 71211
Ion Ratio Lower Upper
113 100
111 102.5 82.6 124.0
192 19.2 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.042 ug/l
RT: 7.782 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY008843.D
Acq: 19 May 2022 03:22

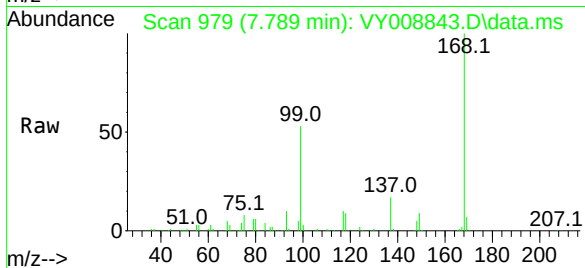
Tgt Ion: 75 Resp: 10369
Ion Ratio Lower Upper
75 100
110 8.9 17.1 51.2#
77 0.0 24.4 36.6#



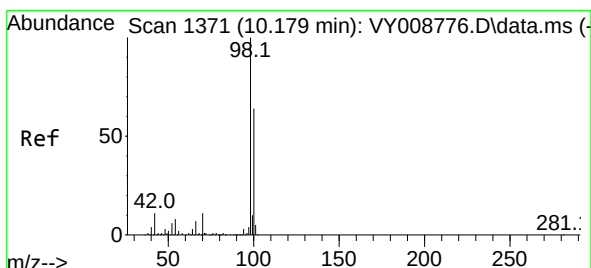
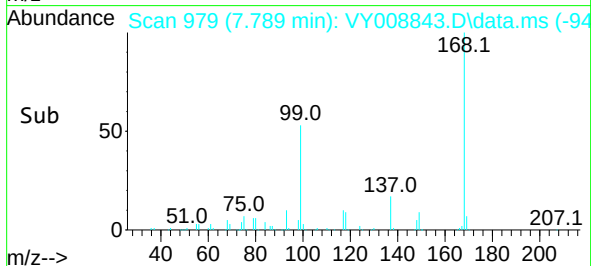
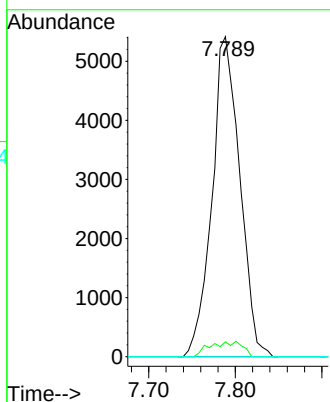


#38
Carbon Tetrachloride
Concen: 5.486 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY008843.D
Acq: 19 May 2022 03:22

Instrument :
MSVOA_Y
ClientSampleId :
P032-SS001-0006-01

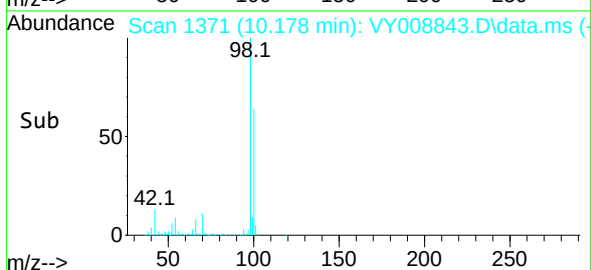
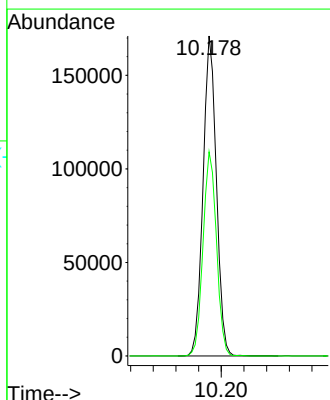
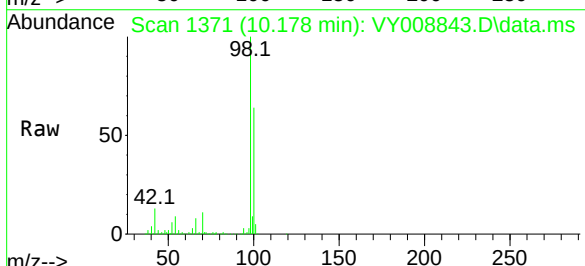


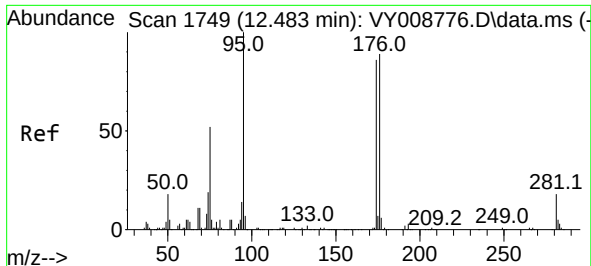
Tgt Ion:117 Resp: 12092
Ion Ratio Lower Upper
117 100
119 4.6 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.895 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY008843.D
Acq: 19 May 2022 03:22

Tgt Ion: 98 Resp: 278658
Ion Ratio Lower Upper
98 100
100 64.4 50.2 75.2

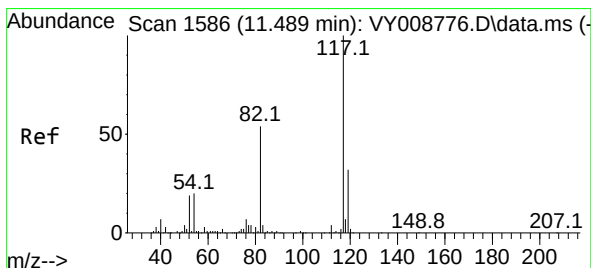
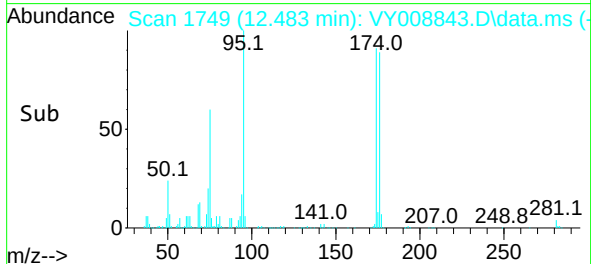
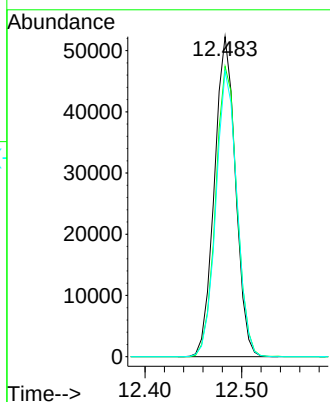
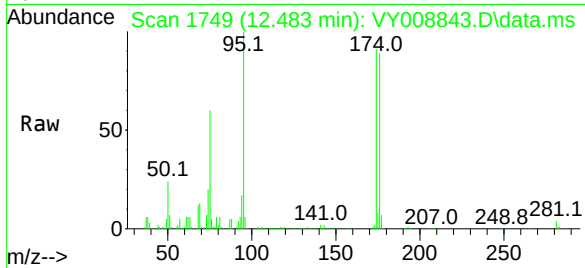




#62
4-Bromofluorobenzene
Concen: 39.544 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY008843.D
Acq: 19 May 2022 03:22

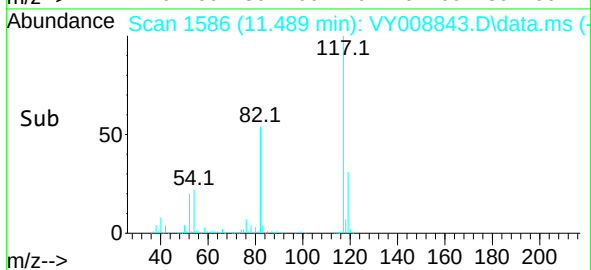
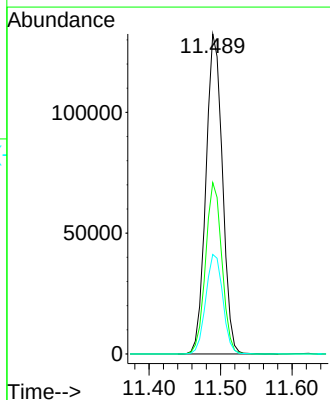
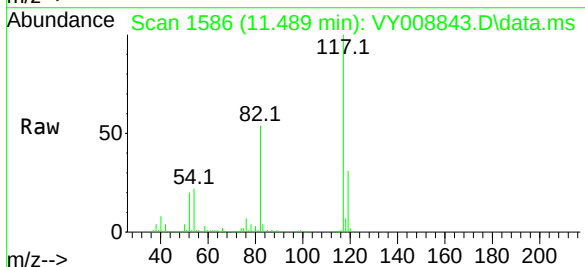
Instrument :
MSVOA_Y
ClientSampleId :
P032-SS001-0006-01

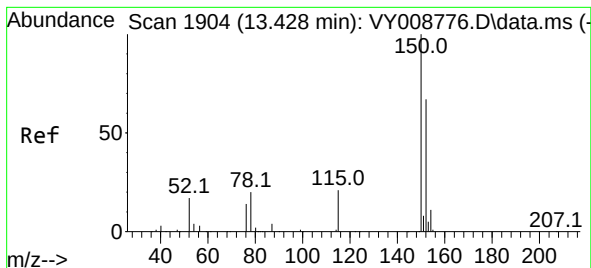
Tgt Ion: 95 Resp: 78953
Ion Ratio Lower Upper
95 100
174 91.7 0.0 177.0
176 89.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY008843.D
Acq: 19 May 2022 03:22

Tgt Ion: 117 Resp: 212359
Ion Ratio Lower Upper
117 100
82 53.6 43.0 64.4
119 31.1 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY008843.D

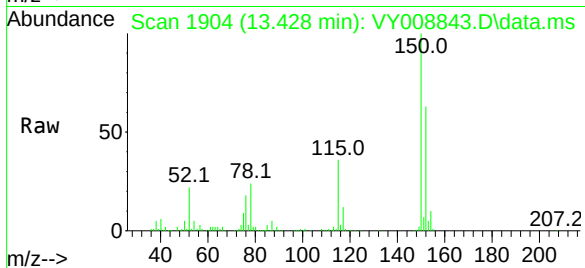
Acq: 19 May 2022 03:22

Instrument :

MSVOA_Y

ClientSampleId :

P032-SS001-0006-01



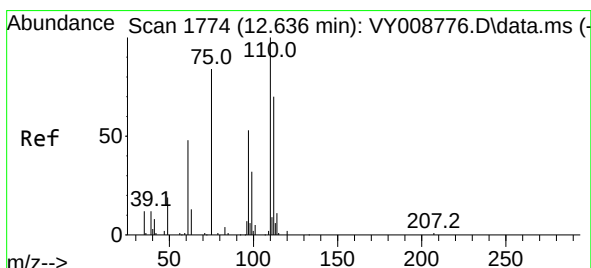
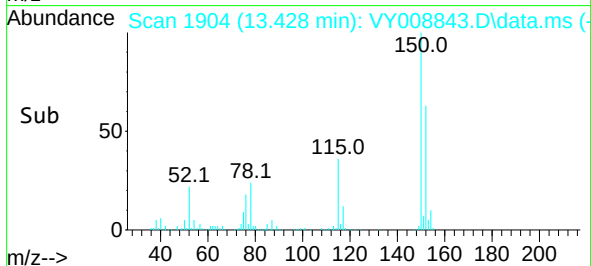
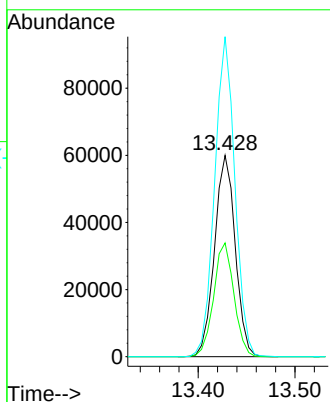
Tgt Ion:152 Resp: 89121

Ion Ratio Lower Upper

152 100

115 55.5 28.2 84.7

150 155.3 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 44.737 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.153 min

Lab File: VY008843.D

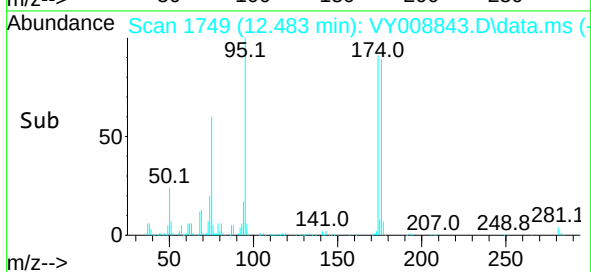
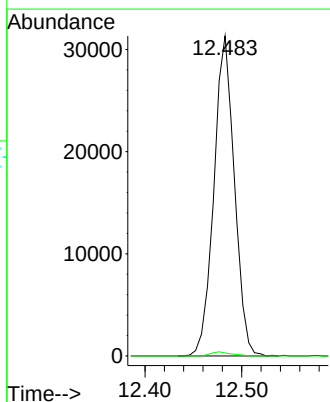
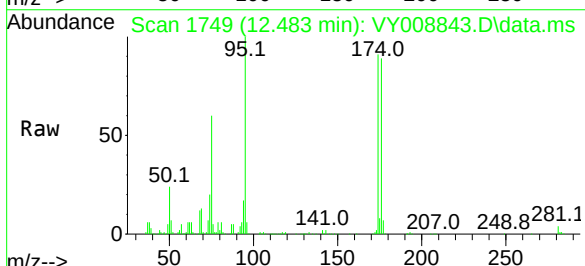
Acq: 19 May 2022 03:22

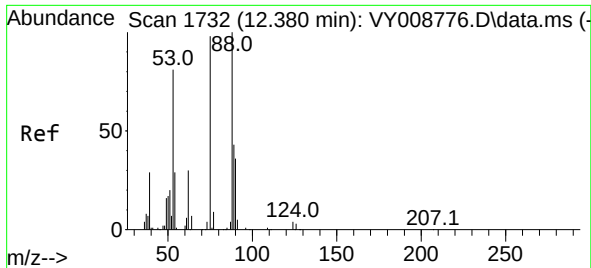
Tgt Ion: 75 Resp: 46056

Ion Ratio Lower Upper

75 100

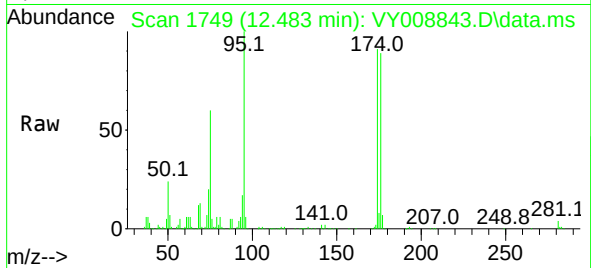
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.853 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY008843.D
 Acq: 19 May 2022 03:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 P032-SS001-0006-01



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	85.3	127.9#
89	0.1	37.0	55.4#

