

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092822\
 Data File : VX031755.D
 Acq On : 29 Sep 2022 03:20
 Operator : JC/MD
 Sample : PB147944ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB147944ZHE#02

Quant Time: Sep 29 04:37:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 27 01:44:18 2022
 Response via : Initial Calibration

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

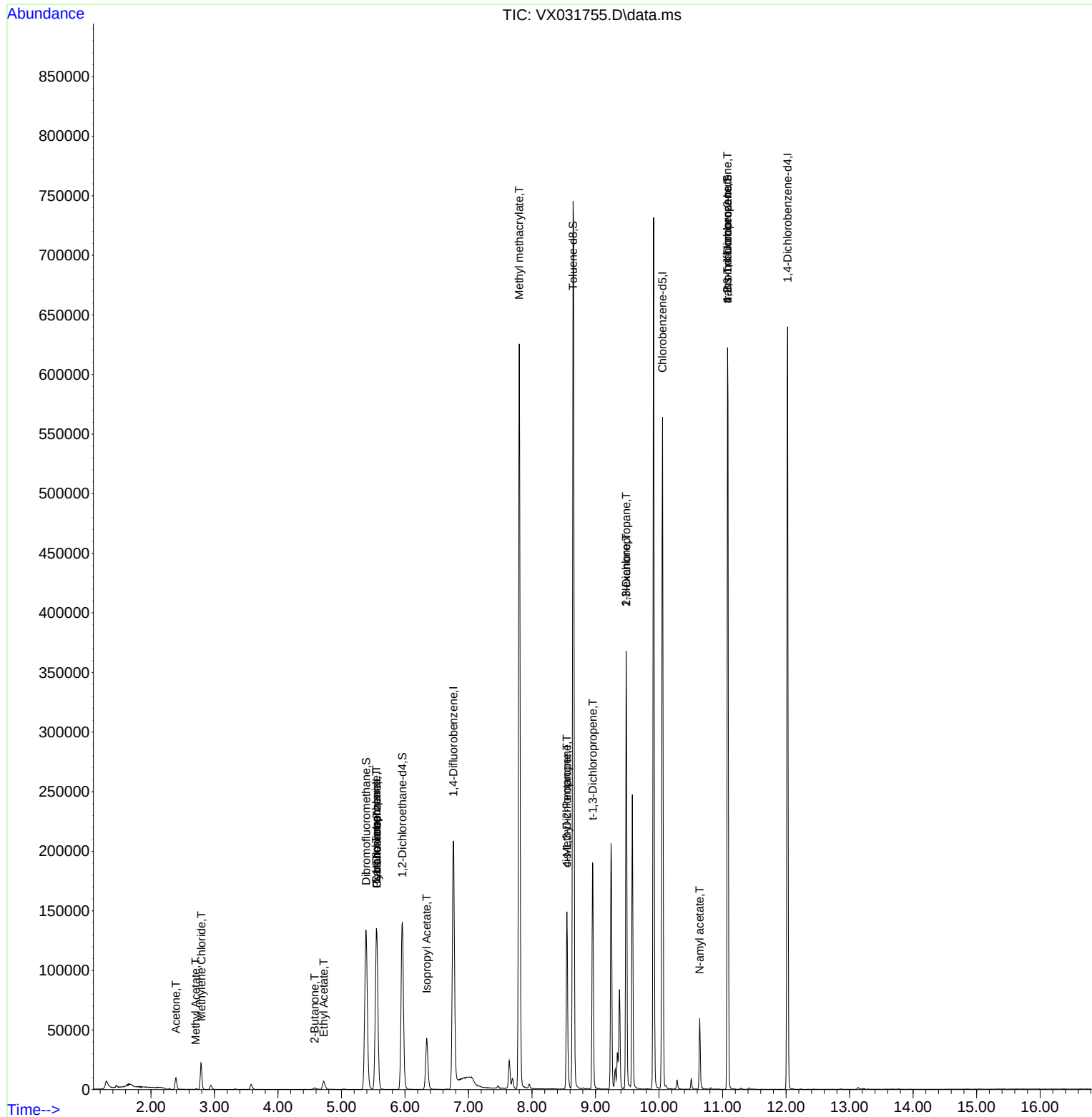
Internal Standards						
1) Pentafluorobenzene	5.556	168	127060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	215092	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	247926	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	134332	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	135332	50.184	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.360%			
35) Dibromofluoromethane	5.385	113	113512	44.291	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 88.580%			
50) Toluene-d8	8.647	98	458017	49.294	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.580%			
62) 4-Bromofluorobenzene	11.079	95	160218	47.047	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.100%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.313	50	325	Below Cal	#	41
5) Bromomethane	1.624	94	252	Below Cal		100
6) Chloroethane	1.660	64	582	Below Cal	#	85
11) Tert butyl alcohol	2.940	59	2023	Below Cal	#	73
13) Acrolein	2.014	56	53	Below Cal	#	15
16) Acetone	2.392	43	12216	0.599	ug/l	98
17) Carbon Disulfide	2.514	76	84	Below Cal	#	75
18) Methyl Acetate	2.703	43	803	0.331	ug/l #	70
20) Methylene Chloride	2.794	84	9973	4.301	ug/l #	79
25) 2-Butanone	4.574	43	1795	1.394	ug/l	98
31) Cyclohexane	5.556	56	2611	1.018	ug/l #	17
36) 1,1-Dichloropropene	5.550	75	10259	3.486	ug/l #	50
37) Ethyl Acetate	4.721	43	11518	3.880	ug/l	95
38) Carbon Tetrachloride	5.550	117	12993	3.917	ug/l #	17
43) Isopropyl Acetate	6.342	43	55040	11.780	ug/l #	95
48) Methyl methacrylate	7.799	41	53898	26.229	ug/l #	46
49) 1,4-Dioxane	7.793	88	37	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.549	43	47262	15.980	ug/l #	51
53) t-1,3-Dichloropropene	8.958	75	376	1.983	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	24432	7.394	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	3337	0.812	ug/l #	43
59) 2-Hexanone	9.482	43	38205	17.314	ug/l #	54
74) N-amyl acetate	10.640	43	12583	4.465	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	82278	33.786	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	82278	110.976	ug/l #	11

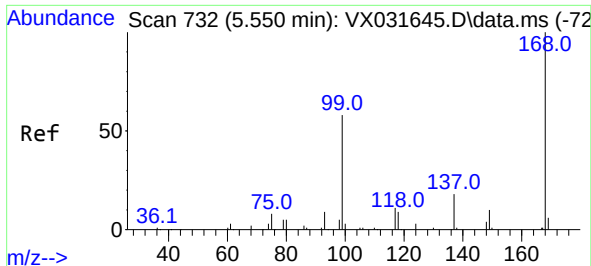
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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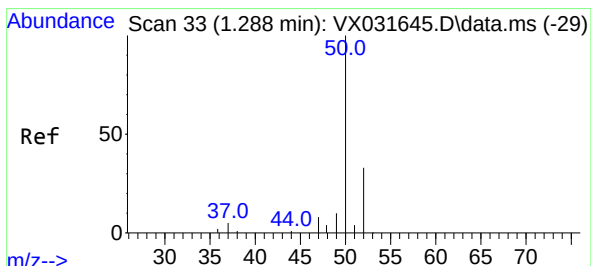
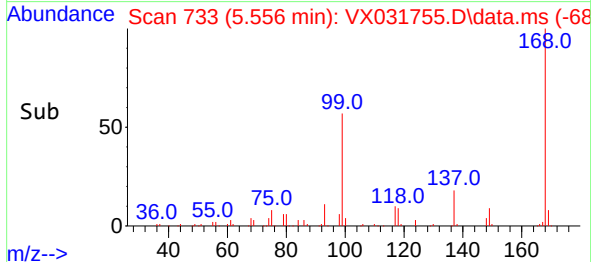
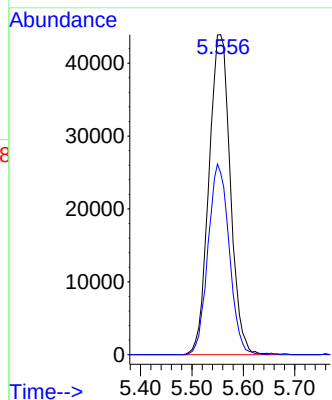
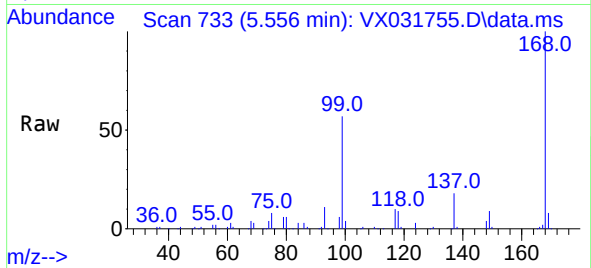




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031755.D
Acq: 29 Sep 2022 03:20

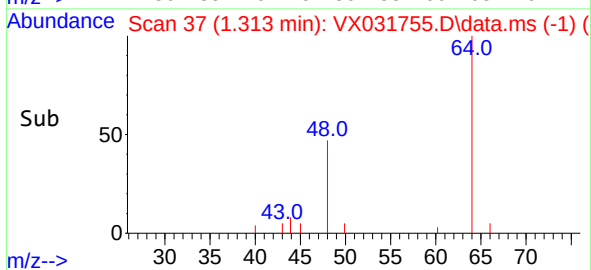
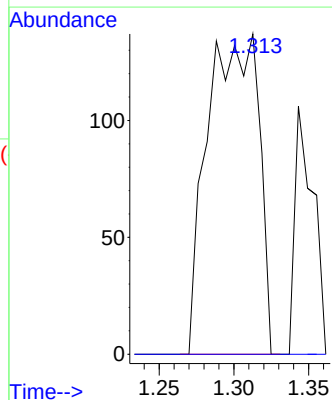
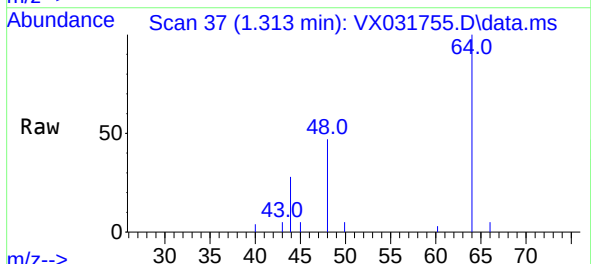
Instrument :
MSVOA_X
ClientSampleId :
PB147944ZHE#02

Tgt Ion:168 Resp: 127060
Ion Ratio Lower Upper
168 100
99 56.8 48.8 73.2

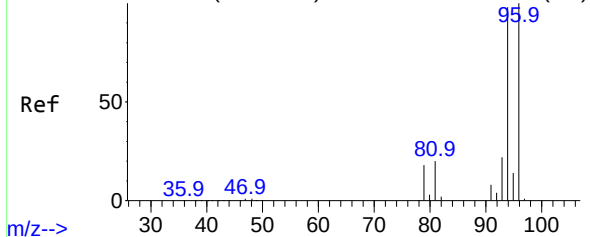


#3
Chloromethane
Concen: Below Cal
RT: 1.313 min Scan# 37
Delta R.T. 0.025 min
Lab File: VX031755.D
Acq: 29 Sep 2022 03:20

Tgt Ion: 50 Resp: 325
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#



Abundance Scan 86 (1.611 min): VX031645.D\data.ms (-81)



#5

Bromomethane

Concen: Below Cal

RT: 1.624 min Scan# 81

Delta R.T. 0.013 min

Lab File: VX031755.D

Acq: 29 Sep 2022 03:20

Instrument :

MSVOA_X

ClientSampleId :

PB147944ZHE#02

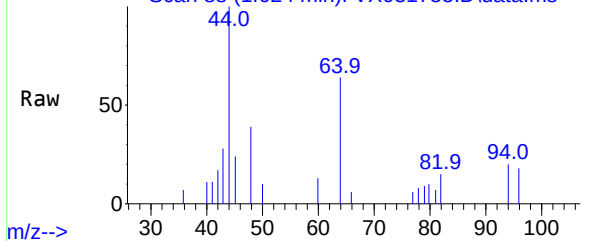
Tgt Ion: 94 Resp: 252

Ion Ratio Lower Upper

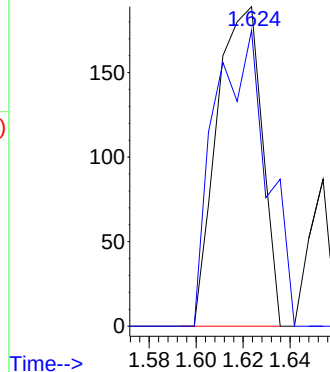
94 100

96 92.6 74.4 111.6

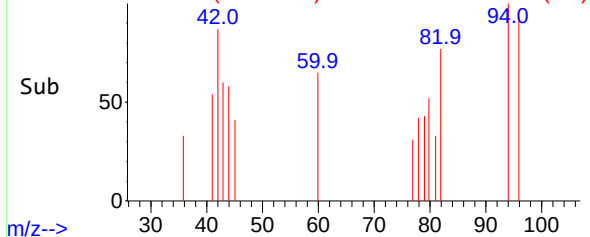
Abundance Scan 88 (1.624 min): VX031755.D\data.ms



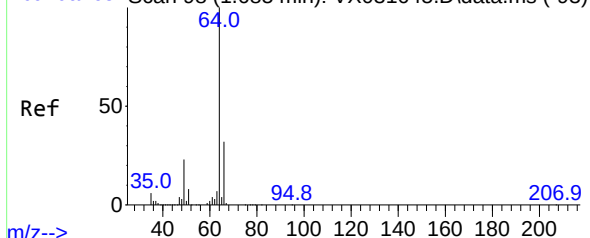
Abundance



Abundance Scan 88 (1.624 min): VX031755.D\data.ms (-37)



Abundance Scan 98 (1.685 min): VX031645.D\data.ms (-93)



#6

Chloroethane

Concen: Below Cal

RT: 1.660 min Scan# 94

Delta R.T. -0.025 min

Lab File: VX031755.D

Acq: 29 Sep 2022 03:20

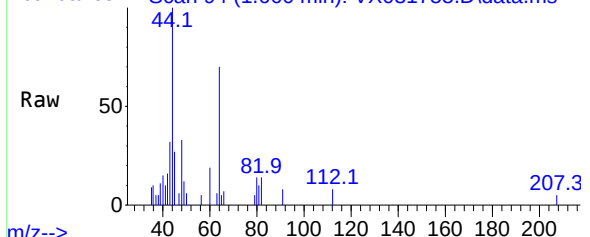
Tgt Ion: 64 Resp: 582

Ion Ratio Lower Upper

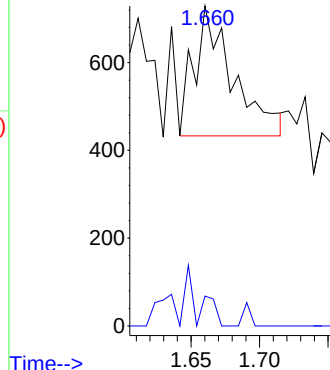
64 100

66 23.0 25.0 37.4#

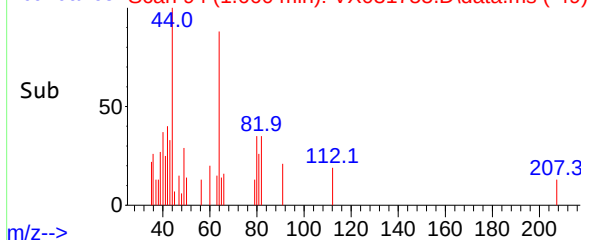
Abundance Scan 94 (1.660 min): VX031755.D\data.ms

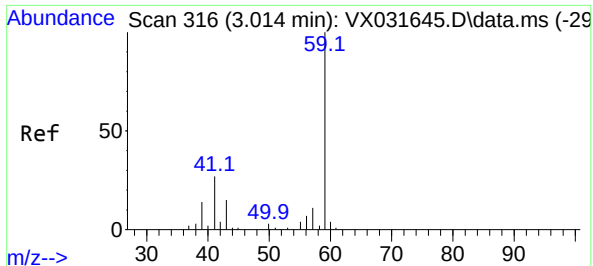


Abundance



Abundance Scan 94 (1.660 min): VX031755.D\data.ms (-49)

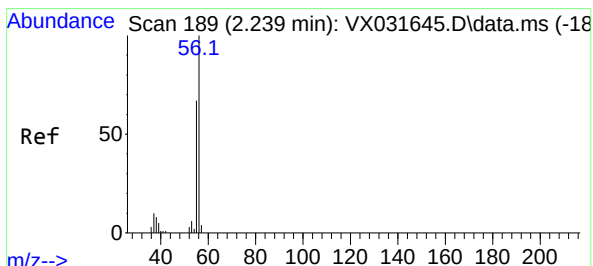
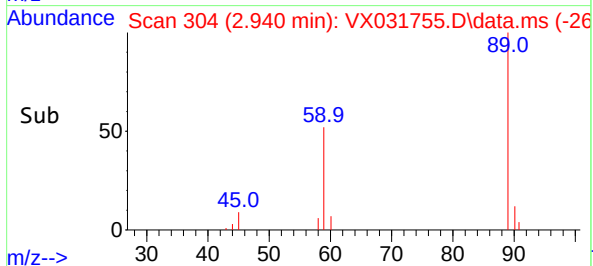
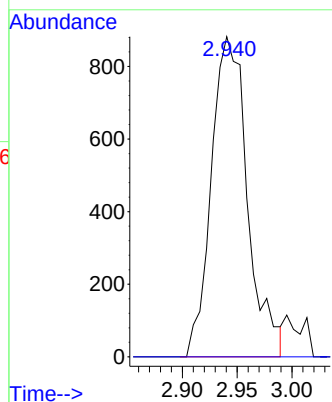
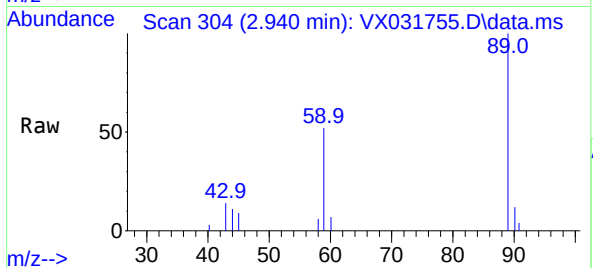




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 30
Delta R.T. -0.049 min
Lab File: VX031755.D
Acq: 29 Sep 2022 03:20

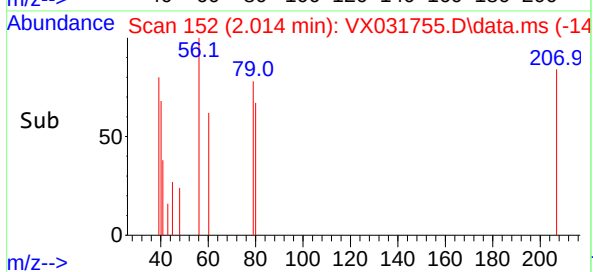
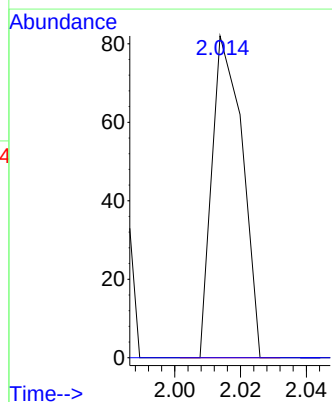
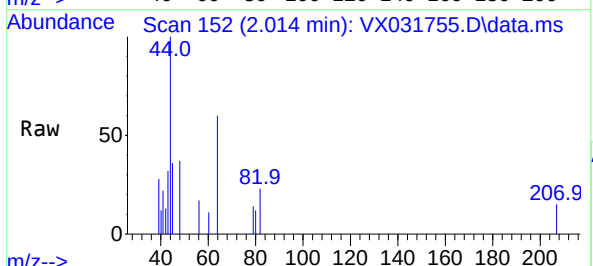
Instrument :
MSVOA_X
ClientSampleId :
PB147944ZHE#02

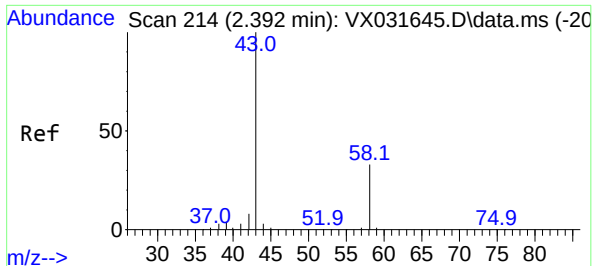
Tgt Ion: 59 Resp: 2023
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: Below Cal
RT: 2.014 min Scan# 152
Delta R.T. -0.225 min
Lab File: VX031755.D
Acq: 29 Sep 2022 03:20

Tgt Ion: 56 Resp: 53
Ion Ratio Lower Upper
56 100
55 0.0 56.0 84.0#

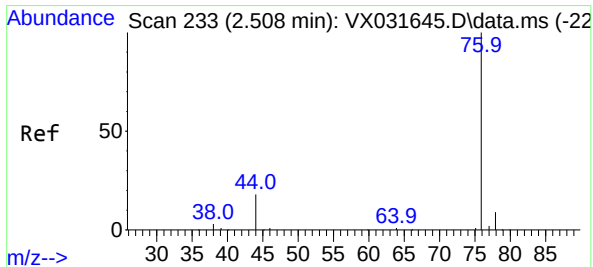
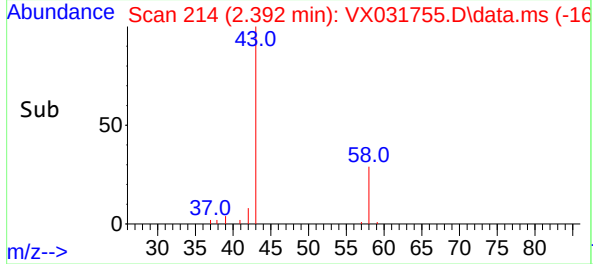
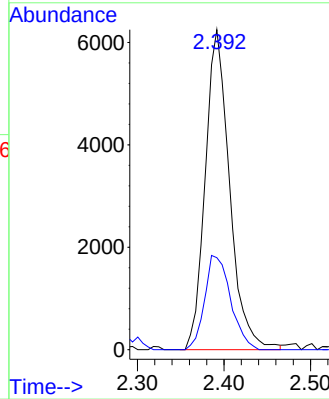
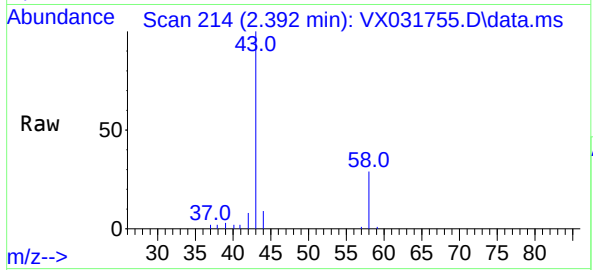




#16
Acetone
Concen: 0.599 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX031755.D
Acq: 29 Sep 2022 03:20

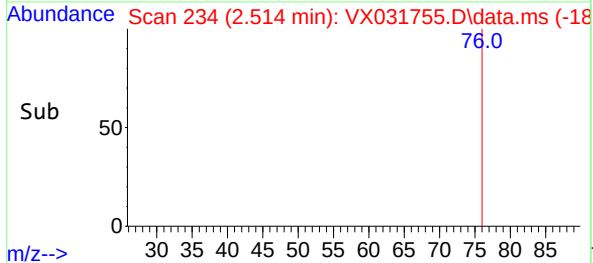
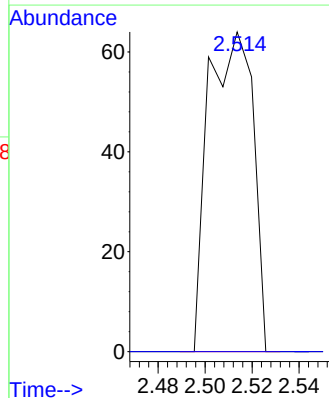
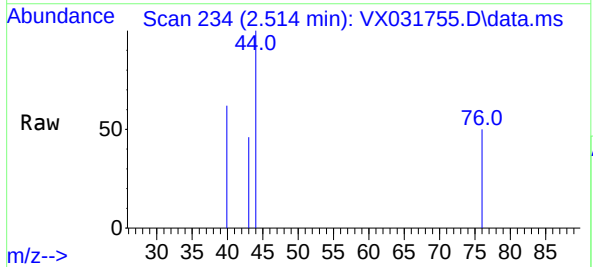
Instrument :
MSVOA_X
ClientSampleId :
PB147944ZHE#02

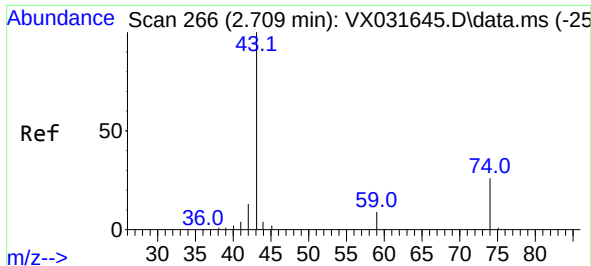
Tgt Ion: 43 Resp: 12216
Ion Ratio Lower Upper
43 100
58 28.7 23.8 35.8



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX031755.D
Acq: 29 Sep 2022 03:20

Tgt Ion: 76 Resp: 84
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

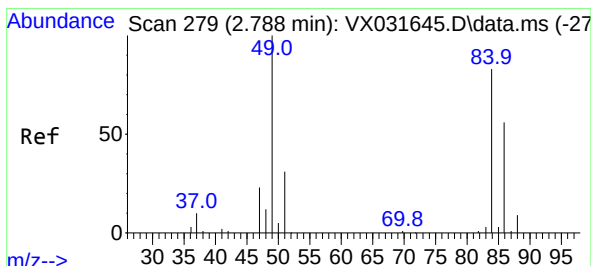
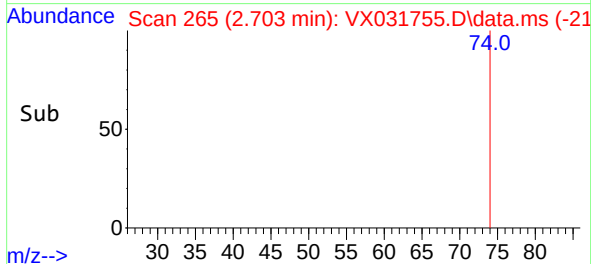
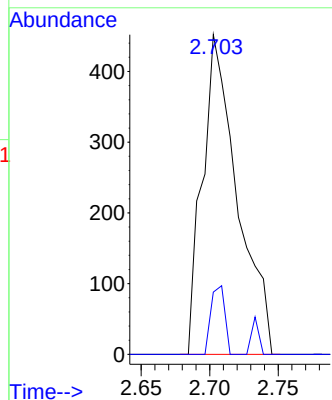
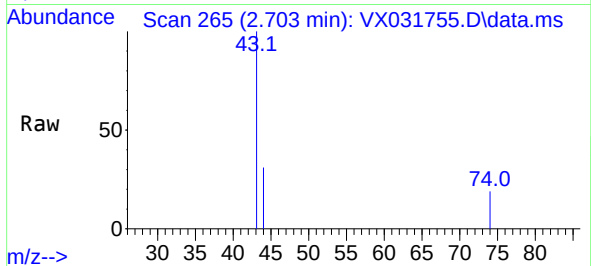




#18
Methyl Acetate
Concen: 0.331 ug/l
RT: 2.703 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX031755.D
Acq: 29 Sep 2022 03:20

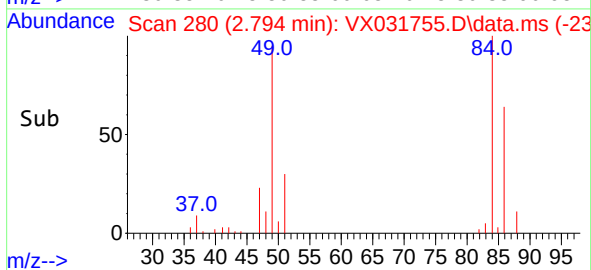
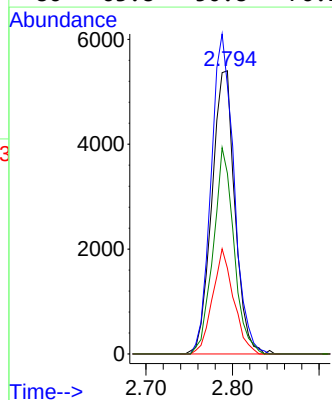
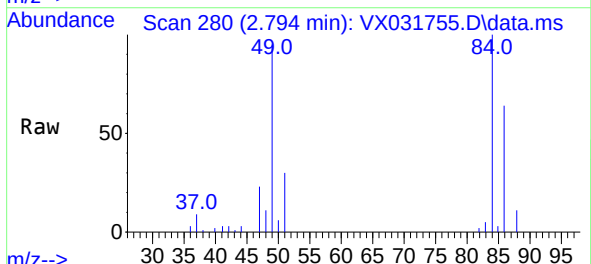
Instrument :
MSVOA_X
ClientSampleId :
PB147944ZHE#02

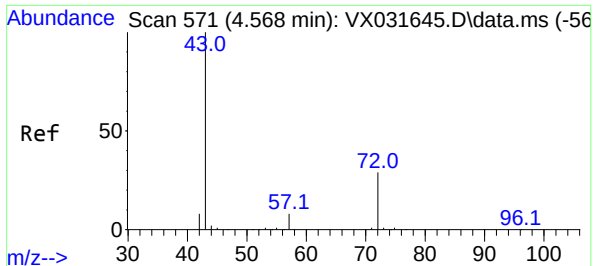
Tgt Ion: 43 Resp: 803
Ion Ratio Lower Upper
43 100
74 8.5 18.6 27.8#



#20
Methylene Chloride
Concen: 4.301 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX031755.D
Acq: 29 Sep 2022 03:20

Tgt Ion: 84 Resp: 9973
Ion Ratio Lower Upper
84 100
49 94.8 105.9 158.9#
51 30.3 32.2 48.2#
86 63.8 50.8 76.2





#25

2-Butanone

Concen: 1.394 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX031755.D

Acq: 29 Sep 2022 03:20

Instrument :

MSVOA_X

ClientSampleId :

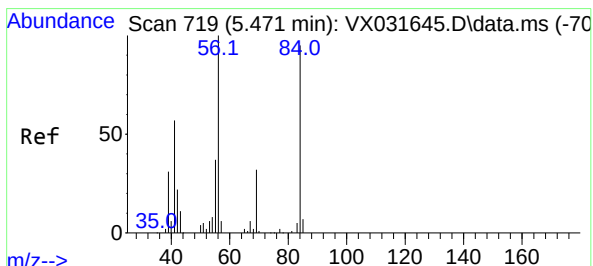
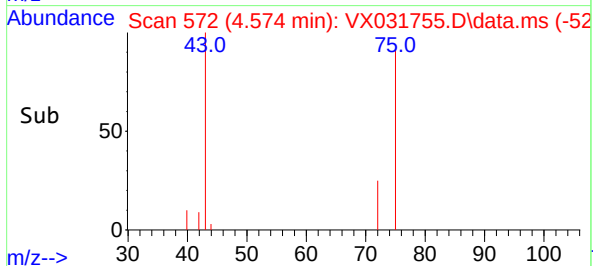
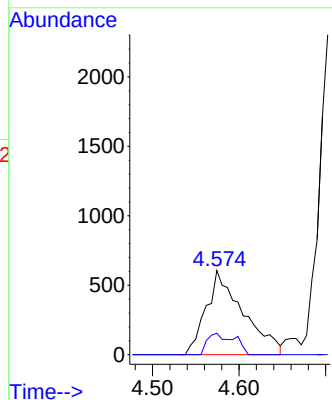
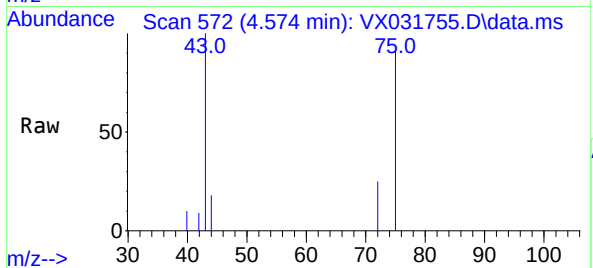
PB147944ZHE#02

Tgt Ion: 43 Resp: 1795

Ion Ratio Lower Upper

43 100

72 25.4 21.1 31.7



#31

Cyclohexane

Concen: 1.018 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX031755.D

Acq: 29 Sep 2022 03:20

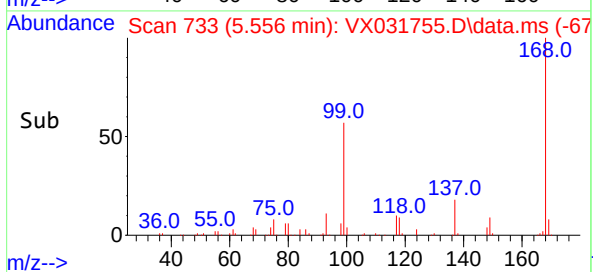
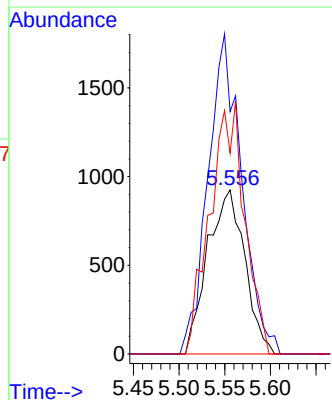
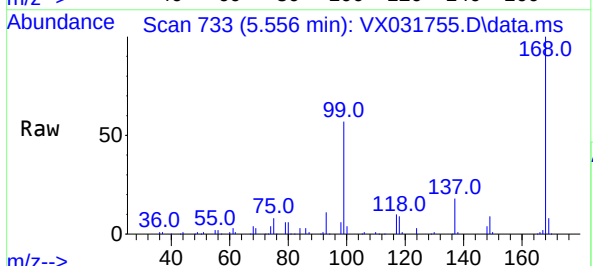
Tgt Ion: 56 Resp: 2611

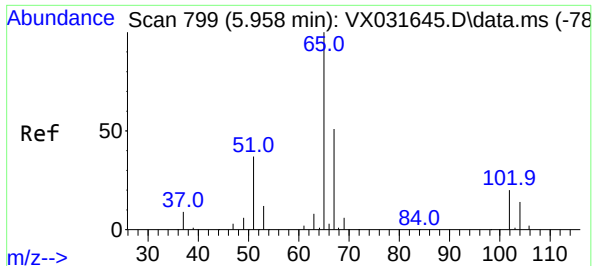
Ion Ratio Lower Upper

56 100

69 147.8 25.1 37.7#

84 122.4 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 50.184 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031755.D

Acq: 29 Sep 2022 03:20

Instrument :

MSVOA_X

ClientSampleId :

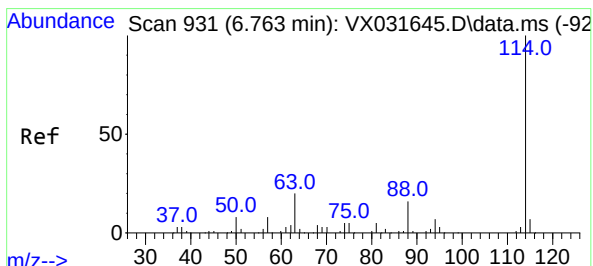
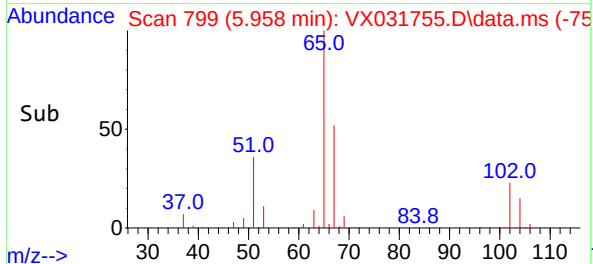
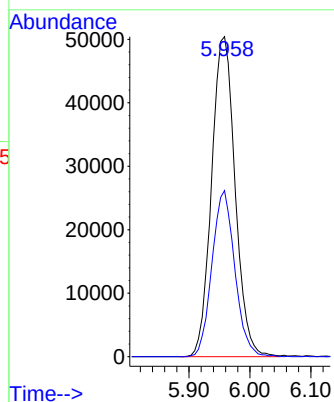
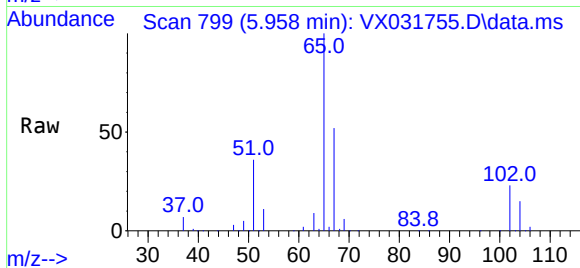
PB147944ZHE#02

Tgt Ion: 65 Resp: 135332

Ion Ratio Lower Upper

65 100

67 50.4 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX031755.D

Acq: 29 Sep 2022 03:20

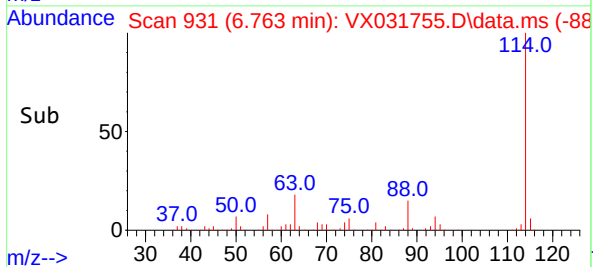
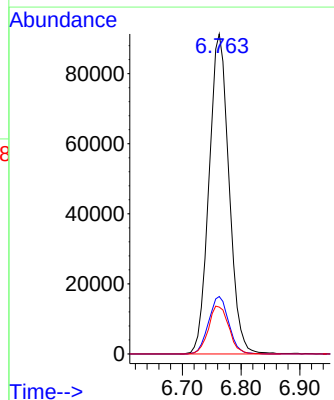
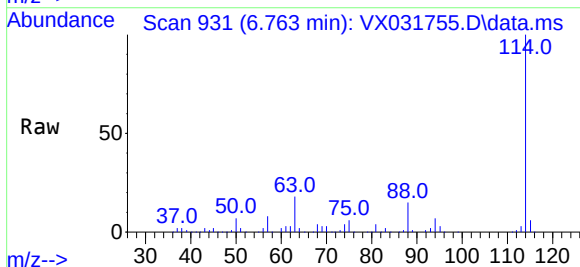
Tgt Ion: 114 Resp: 215092

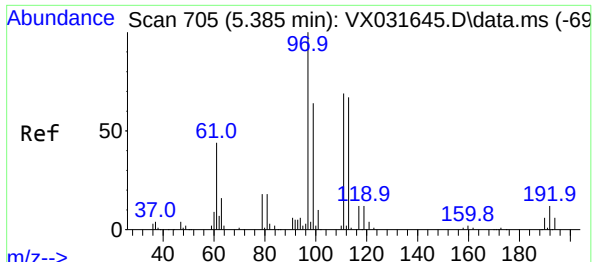
Ion Ratio Lower Upper

114 100

63 18.0 0.0 42.6

88 14.6 0.0 33.0





#35

Dibromofluoromethane

Concen: 44.291 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX031755.D

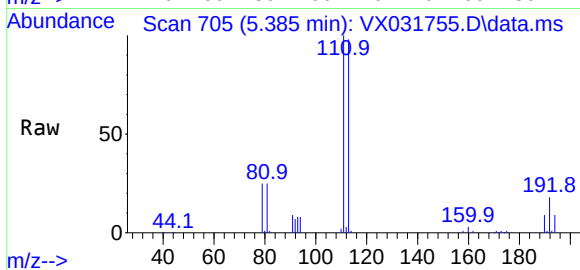
Acq: 29 Sep 2022 03:20

Instrument :

MSVOA_X

ClientSampleId :

PB147944ZHE#02



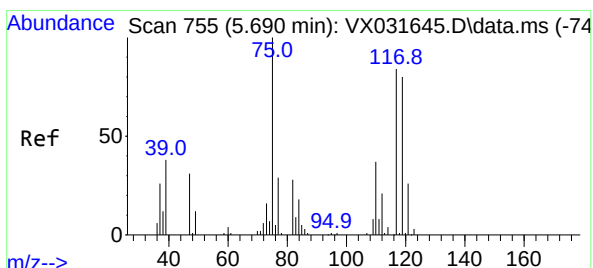
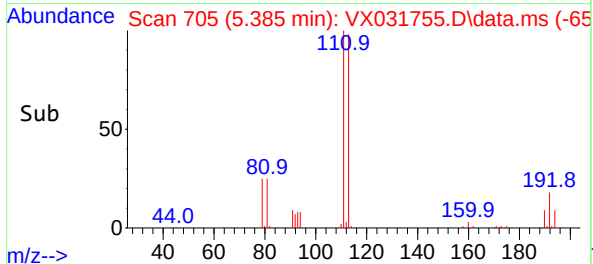
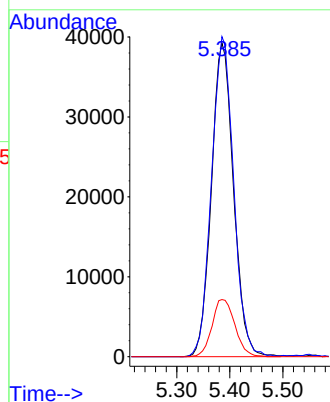
Tgt Ion:113 Resp: 113512

Ion Ratio Lower Upper

113 100

111 102.2 82.4 123.6

192 18.8 14.1 21.1



#36

1,1-Dichloropropene

Concen: 3.486 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX031755.D

Acq: 29 Sep 2022 03:20

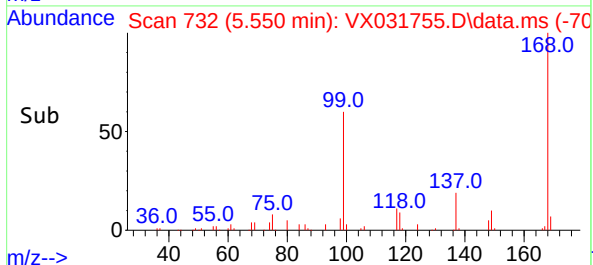
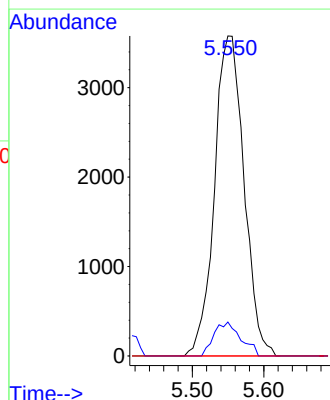
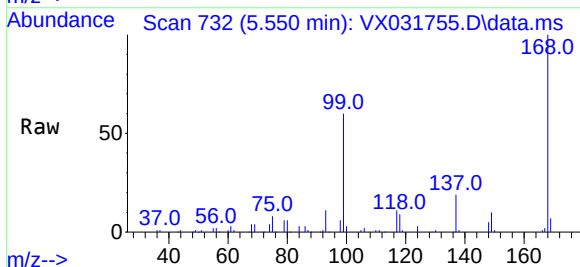
Tgt Ion: 75 Resp: 10259

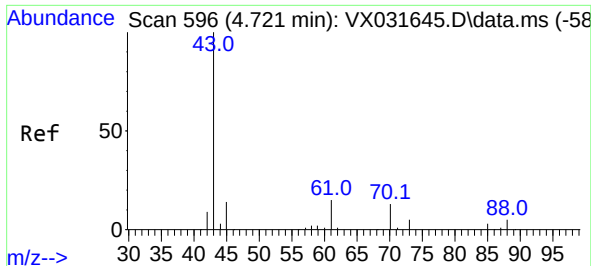
Ion Ratio Lower Upper

75 100

110 9.6 17.5 52.5#

77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 3.880 ug/l

RT: 4.721 min Scan# 596

Delta R.T. -0.000 min

Lab File: VX031755.D

Acq: 29 Sep 2022 03:20

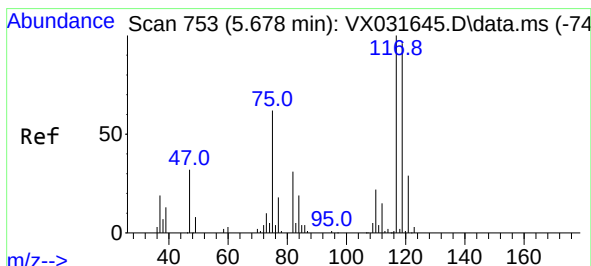
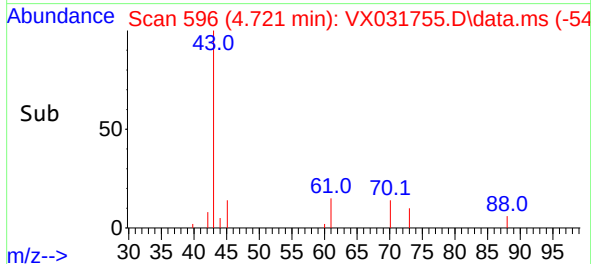
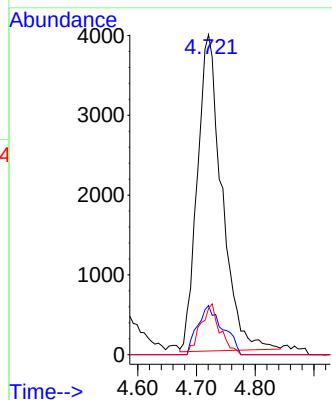
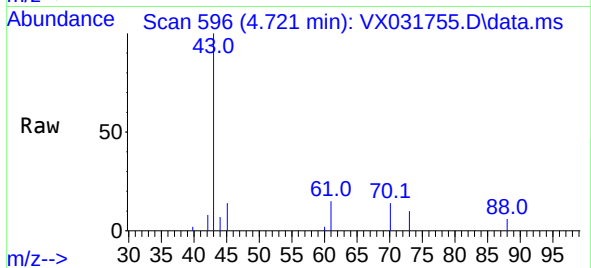
Instrument :

MSVOA_X

ClientSampleId :

PB147944ZHE#02

Tgt Ion:	43	Resp:	11518
Ion	Ratio	Lower	Upper
43	100		
61	16.0	11.1	16.7
70	12.8	8.6	13.0



#38

Carbon Tetrachloride

Concen: 3.917 ug/l

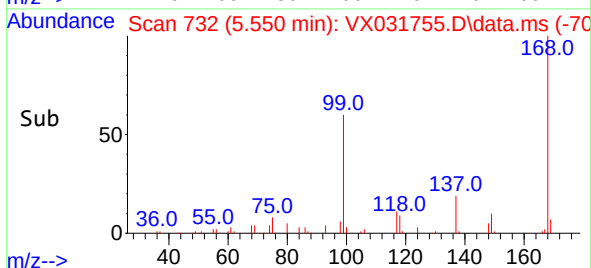
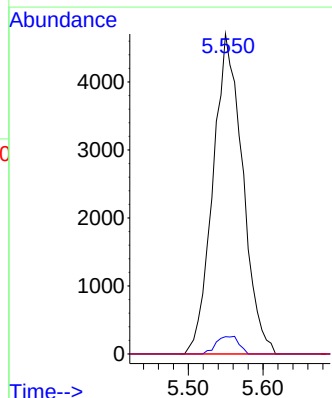
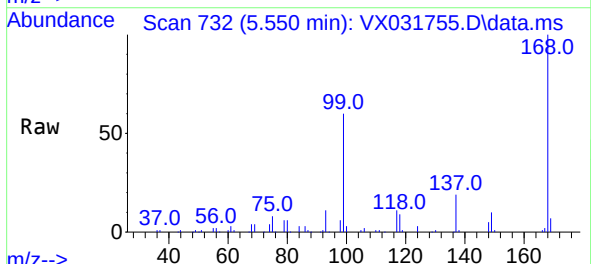
RT: 5.550 min Scan# 732

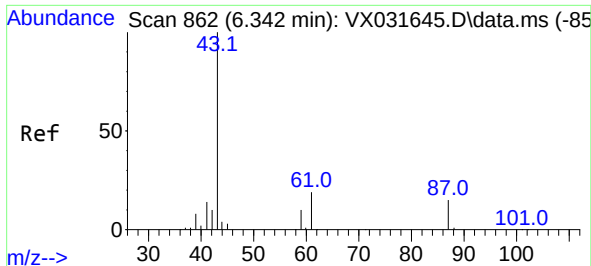
Delta R.T. -0.128 min

Lab File: VX031755.D

Acq: 29 Sep 2022 03:20

Tgt Ion:	117	Resp:	12993
Ion	Ratio	Lower	Upper
117	100		
119	5.4	74.6	112.0#
121	0.0	25.3	37.9#

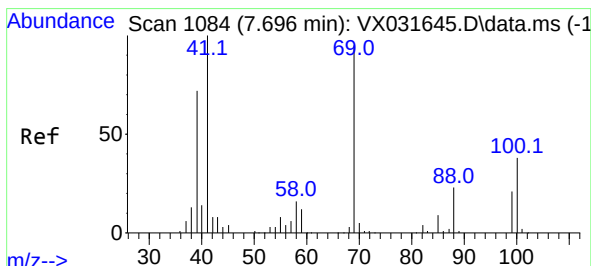
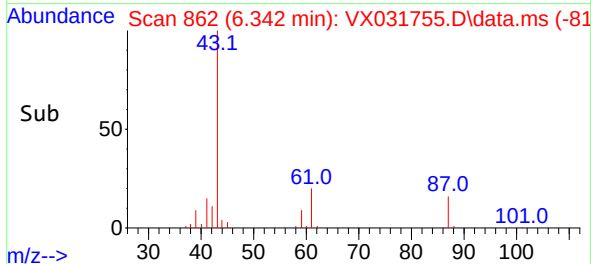
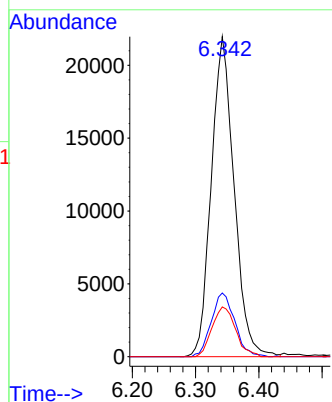
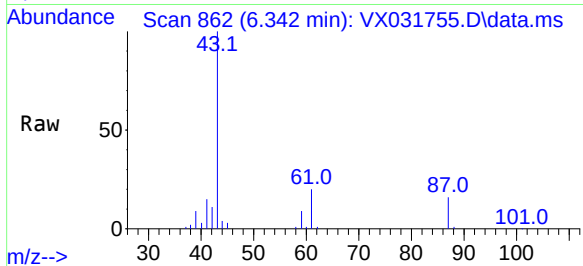




#43
Isopropyl Acetate
Concen: 11.780 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX031755.D
Acq: 29 Sep 2022 03:20

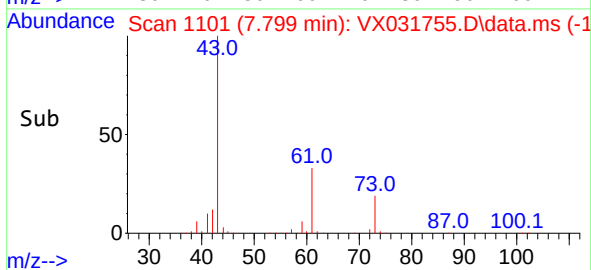
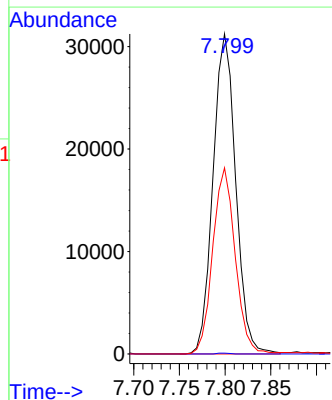
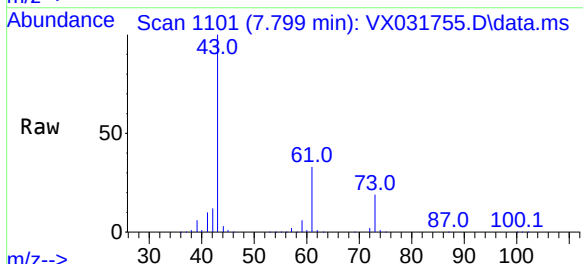
Instrument :
MSVOA_X
ClientSampleId :
PB147944ZHE#02

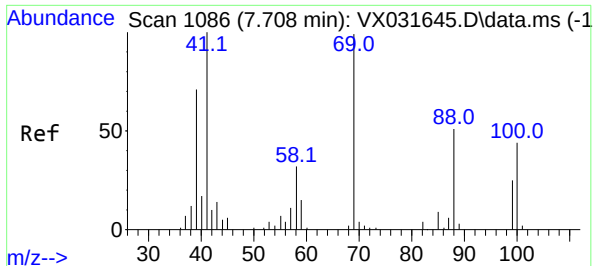
Tgt Ion: 43 Resp: 55040
Ion Ratio Lower Upper
43 100
61 20.5 15.3 22.9
87 16.1 10.6 15.8#



#48
Methyl methacrylate
Concen: 26.229 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX031755.D
Acq: 29 Sep 2022 03:20

Tgt Ion: 41 Resp: 53898
Ion Ratio Lower Upper
41 100
69 0.1 64.6 96.8#
39 57.8 51.4 77.0





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.793 min Scan# 1100

Delta R.T. 0.109 min

Lab File: VX031755.D

Acq: 29 Sep 2022 03:20

Instrument :

MSVOA_X

ClientSampleId :

PB147944ZHE#02

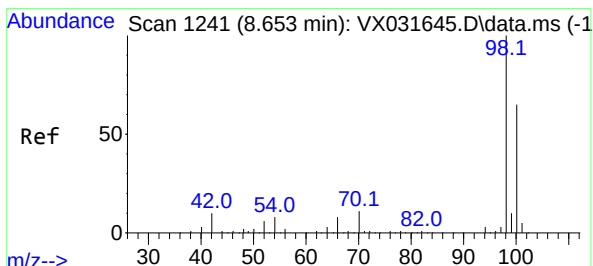
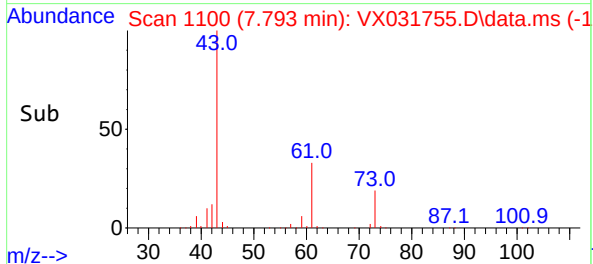
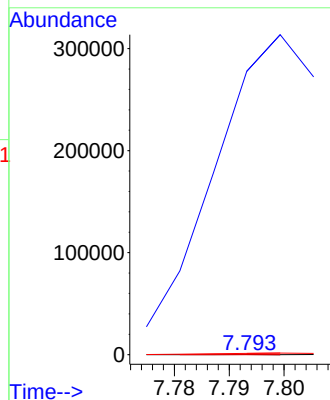
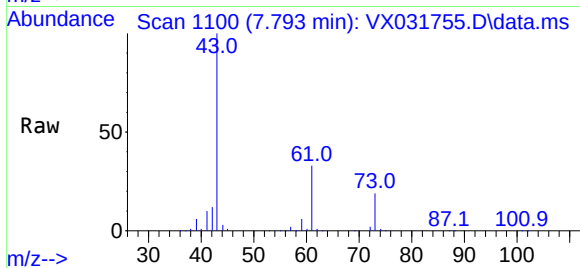
Tgt Ion: 88 Resp: 37

Ion Ratio Lower Upper

88 100

43 1454673.0 27.1 40.7#

58 7640.5 53.9 80.9#



#50

Toluene-d8

Concen: 49.294 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX031755.D

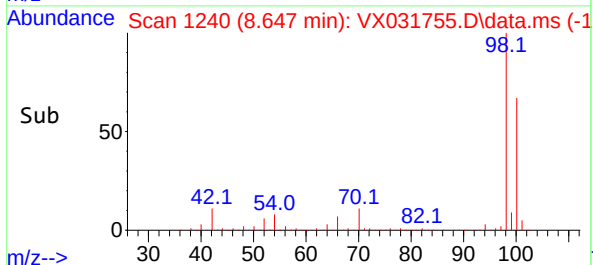
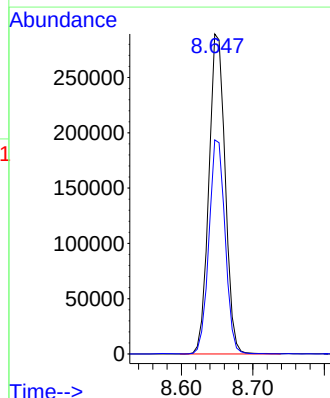
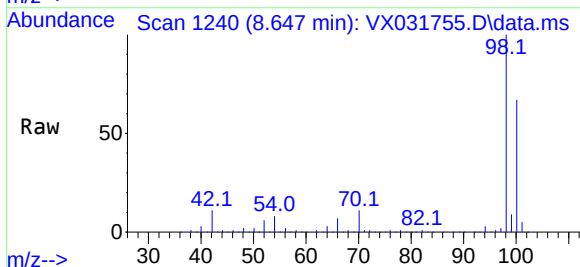
Acq: 29 Sep 2022 03:20

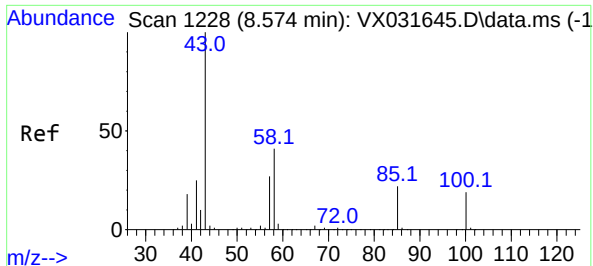
Tgt Ion: 98 Resp: 458017

Ion Ratio Lower Upper

98 100

100 66.2 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 15.980 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.031 min

Lab File: VX031755.D

Acq: 29 Sep 2022 03:20

Instrument :

MSVOA_X

ClientSampleId :

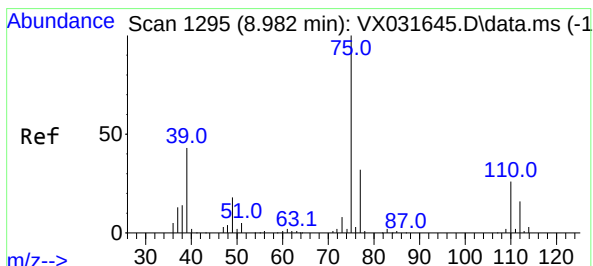
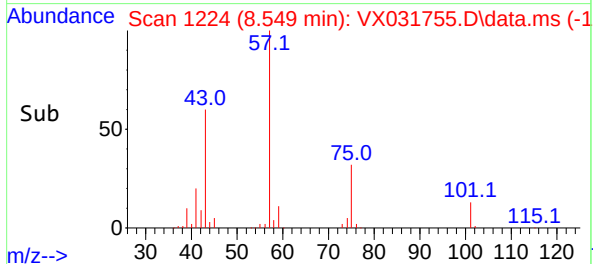
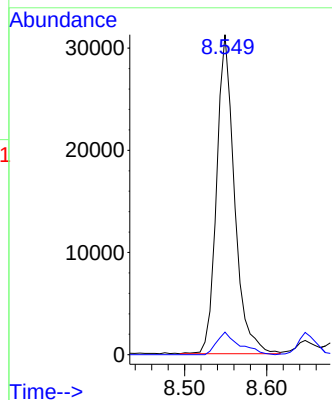
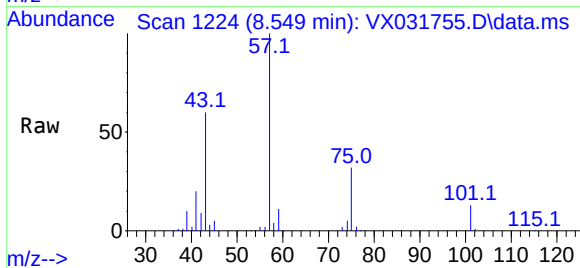
PB147944ZHE#02

Tgt Ion: 43 Resp: 47262

Ion Ratio Lower Upper

43 100

58 8.9 30.6 46.0#



#53

t-1,3-Dichloropropene

Concen: 1.983 ug/l

RT: 8.958 min Scan# 1291

Delta R.T. -0.024 min

Lab File: VX031755.D

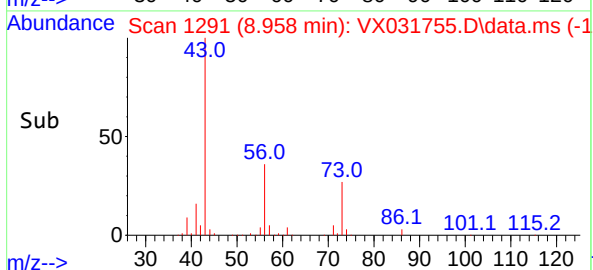
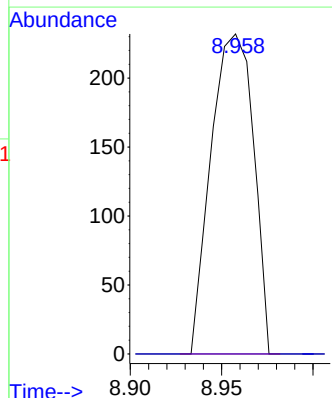
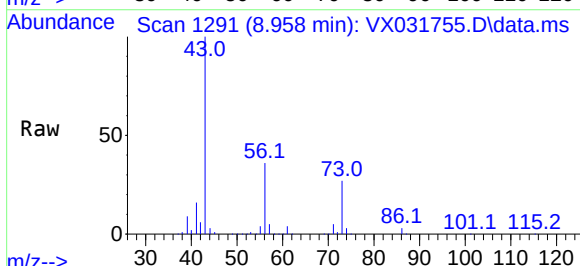
Acq: 29 Sep 2022 03:20

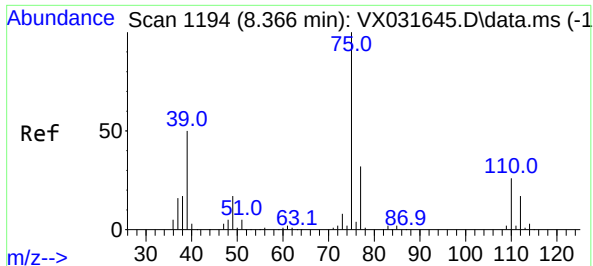
Tgt Ion: 75 Resp: 376

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

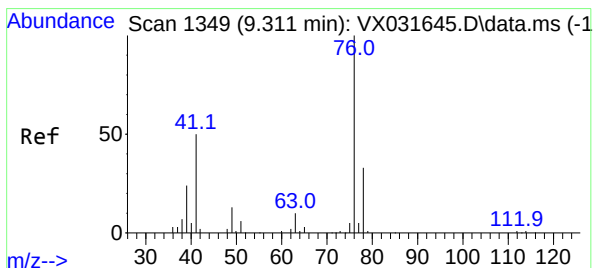
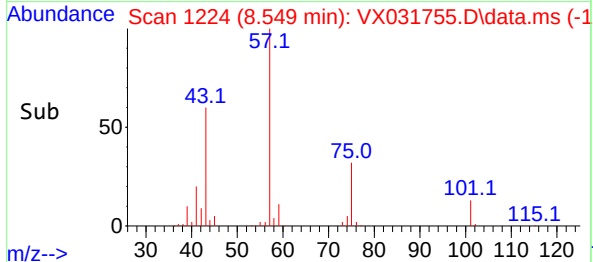
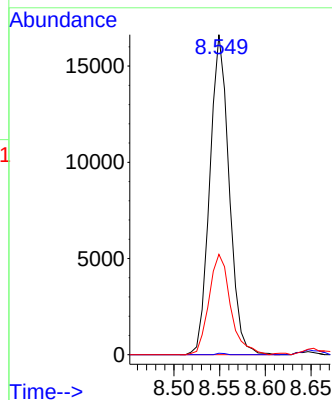
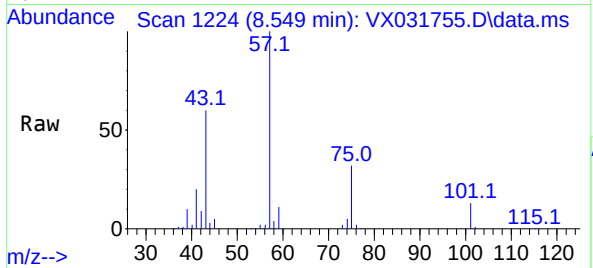




#54
 cis-1,3-Dichloropropene
 Concen: 7.394 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX031755.D
 Acq: 29 Sep 2022 03:20

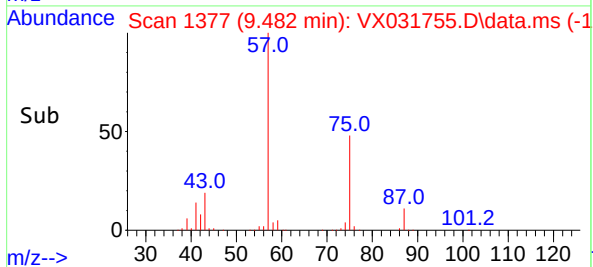
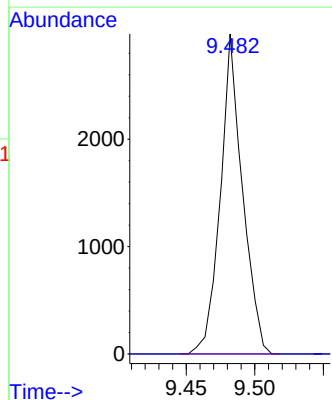
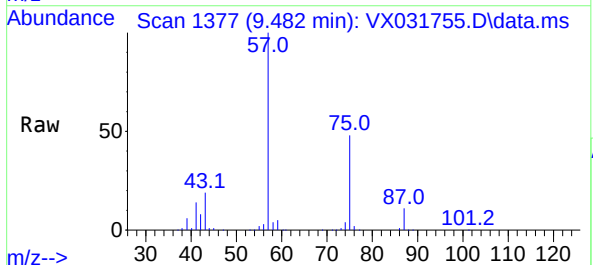
Instrument :
 MSVOA_X
 ClientSampleId :
 PB147944ZHE#02

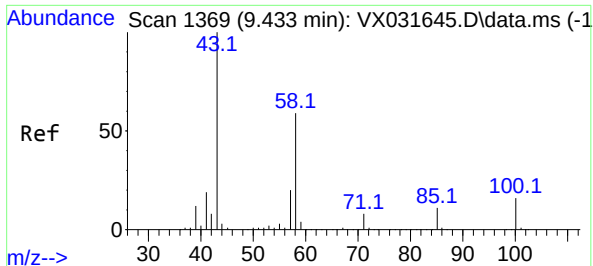
Tgt Ion: 75 Resp: 24432
 Ion Ratio Lower Upper
 75 100
 77 0.4 24.4 36.6#
 39 31.3 43.7 65.5#



#57
 1,3-Dichloropropane
 Concen: 0.812 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX031755.D
 Acq: 29 Sep 2022 03:20

Tgt Ion: 76 Resp: 3337
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#

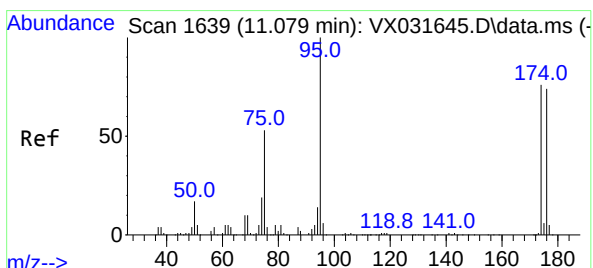
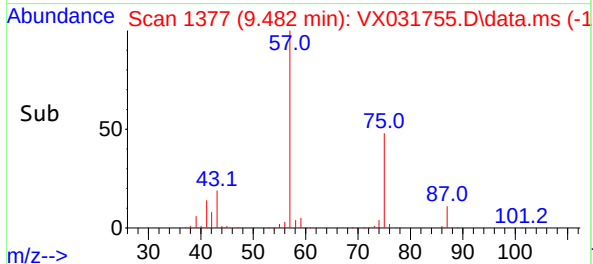
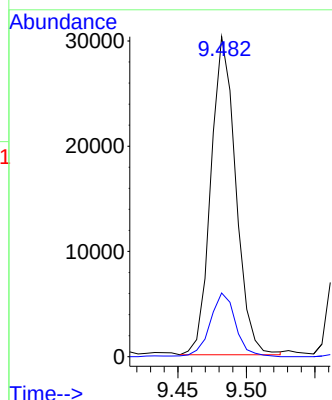
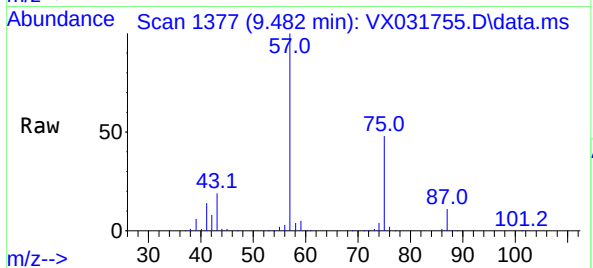




#59
2-Hexanone
Concen: 17.314 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX031755.D
Acq: 29 Sep 2022 03:20

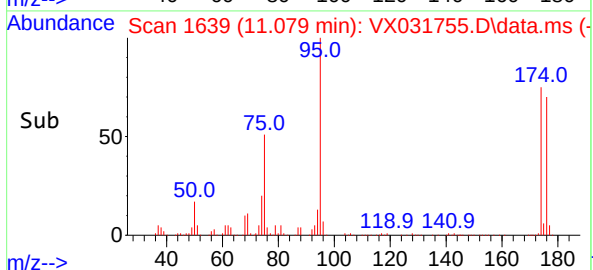
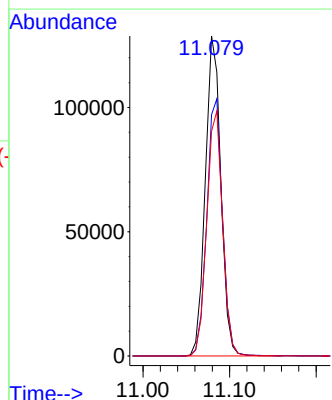
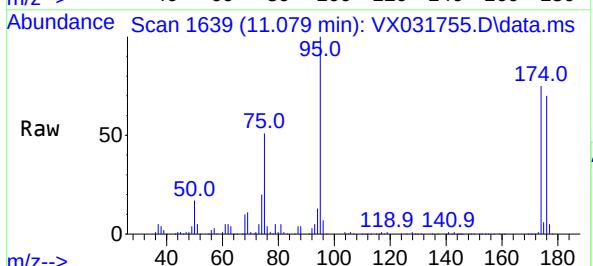
Instrument :
MSVOA_X
ClientSampleId :
PB147944ZHE#02

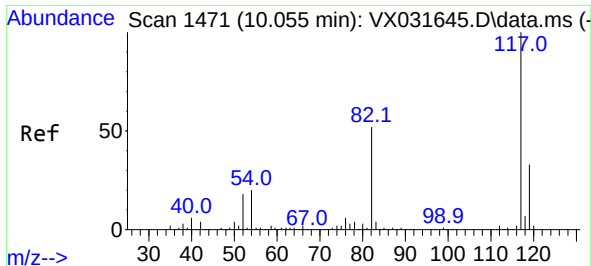
Tgt Ion: 43 Resp: 38205
Ion Ratio Lower Upper
43 100
58 20.5 26.7 80.0#



#62
4-Bromofluorobenzene
Concen: 47.047 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031755.D
Acq: 29 Sep 2022 03:20

Tgt Ion: 95 Resp: 160218
Ion Ratio Lower Upper
95 100
174 81.4 0.0 153.2
176 78.2 0.0 144.0

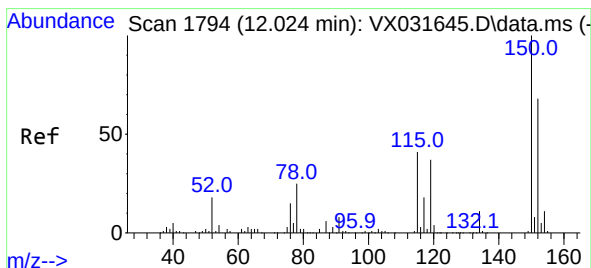
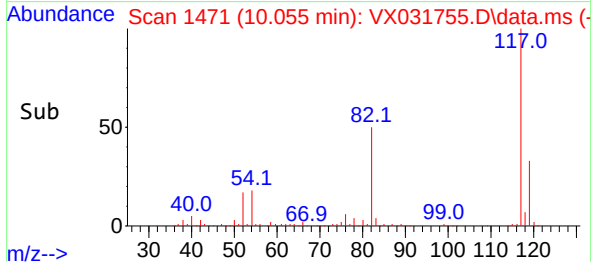
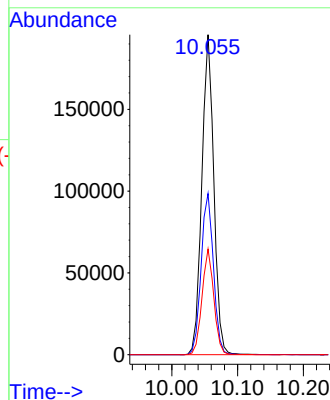
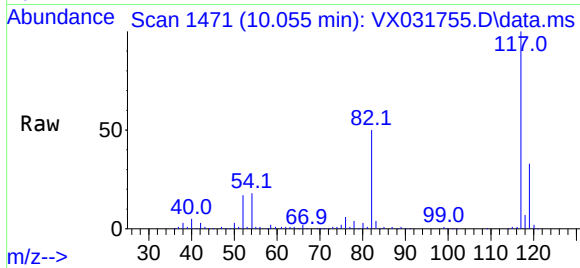




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX031755.D
Acq: 29 Sep 2022 03:20

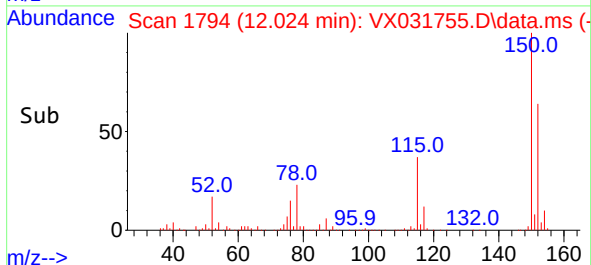
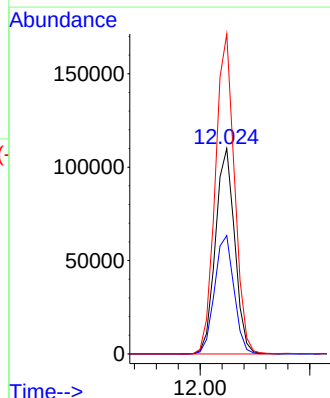
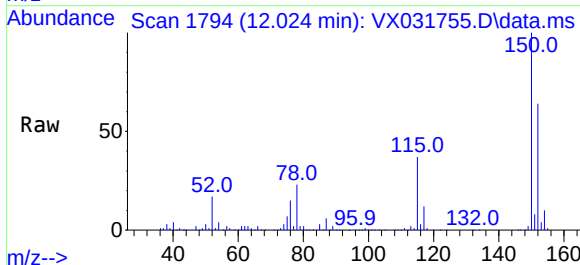
Instrument :
MSVOA_X
ClientSampleId :
PB147944ZHE#02

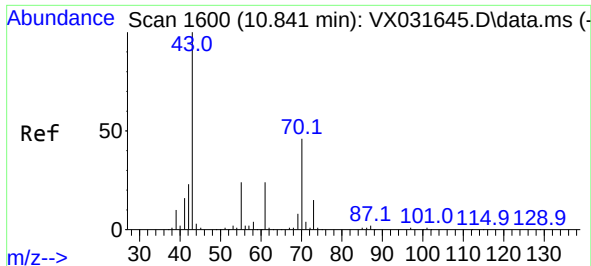
Tgt Ion:117 Resp: 247926
Ion Ratio Lower Upper
117 100
82 50.4 46.8 70.2
119 33.0 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031755.D
Acq: 29 Sep 2022 03:20

Tgt Ion:152 Resp: 134332
Ion Ratio Lower Upper
152 100
115 58.2 43.4 130.1
150 155.2 0.0 346.8

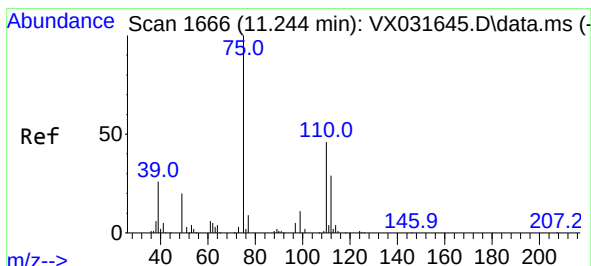
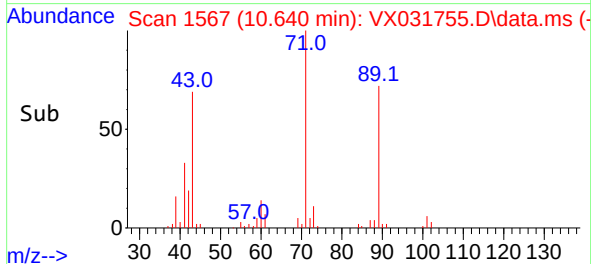
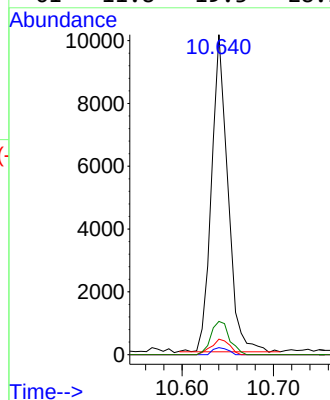
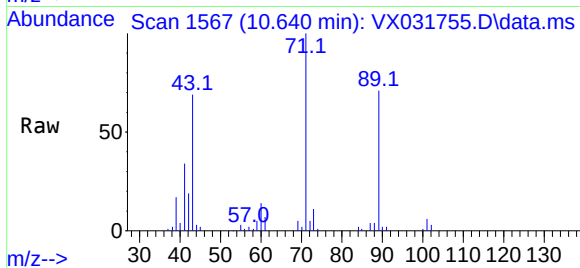




#74
N-amy1 acetate
Concen: 4.465 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.202 min
Lab File: VX031755.D
Acq: 29 Sep 2022 03:20

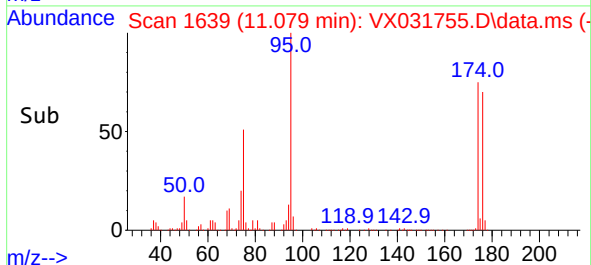
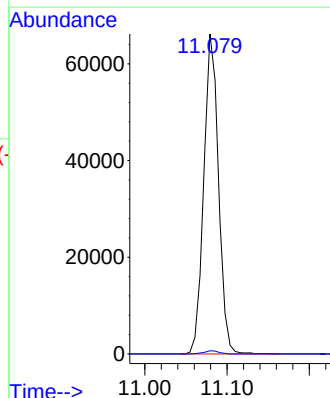
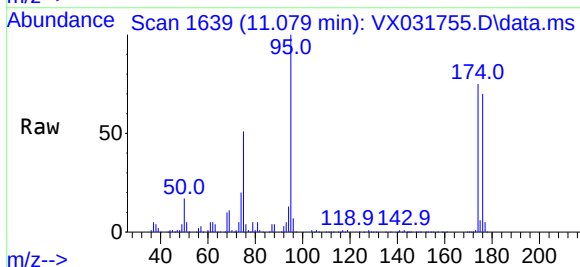
Instrument :
MSVOA_X
ClientSampleId :
PB147944ZHE#02

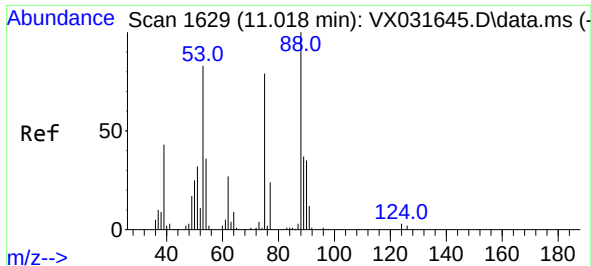
Tgt Ion: 43	Resp: 12583
Ion Ratio	Lower Upper
43 100	
70 2.0	33.4 50.2#
55 5.4	18.2 27.2#
61 11.8	19.3 28.9#



#76
1,2,3-Trichloropropane
Concen: 33.786 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031755.D
Acq: 29 Sep 2022 03:20

Tgt Ion: 75	Resp: 82278
Ion Ratio	Lower Upper
75 100	
77 1.0	20.3 60.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 110.976 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX031755.D
Acq: 29 Sep 2022 03:20

Instrument :
MSVOA_X
ClientSampleId :
PB147944ZHE#02

Tgt Ion: 75 Resp: 82278
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

