

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020122\
 Data File : VX026721.D
 Acq On : 01 Feb 2022 20:43
 Operator : JC/MD
 Sample : PB142403ZHE#14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB142403ZHE#14

Quant Time: Feb 02 04:38:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011122W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 11 14:45:13 2022
 Response via : Initial Calibration

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

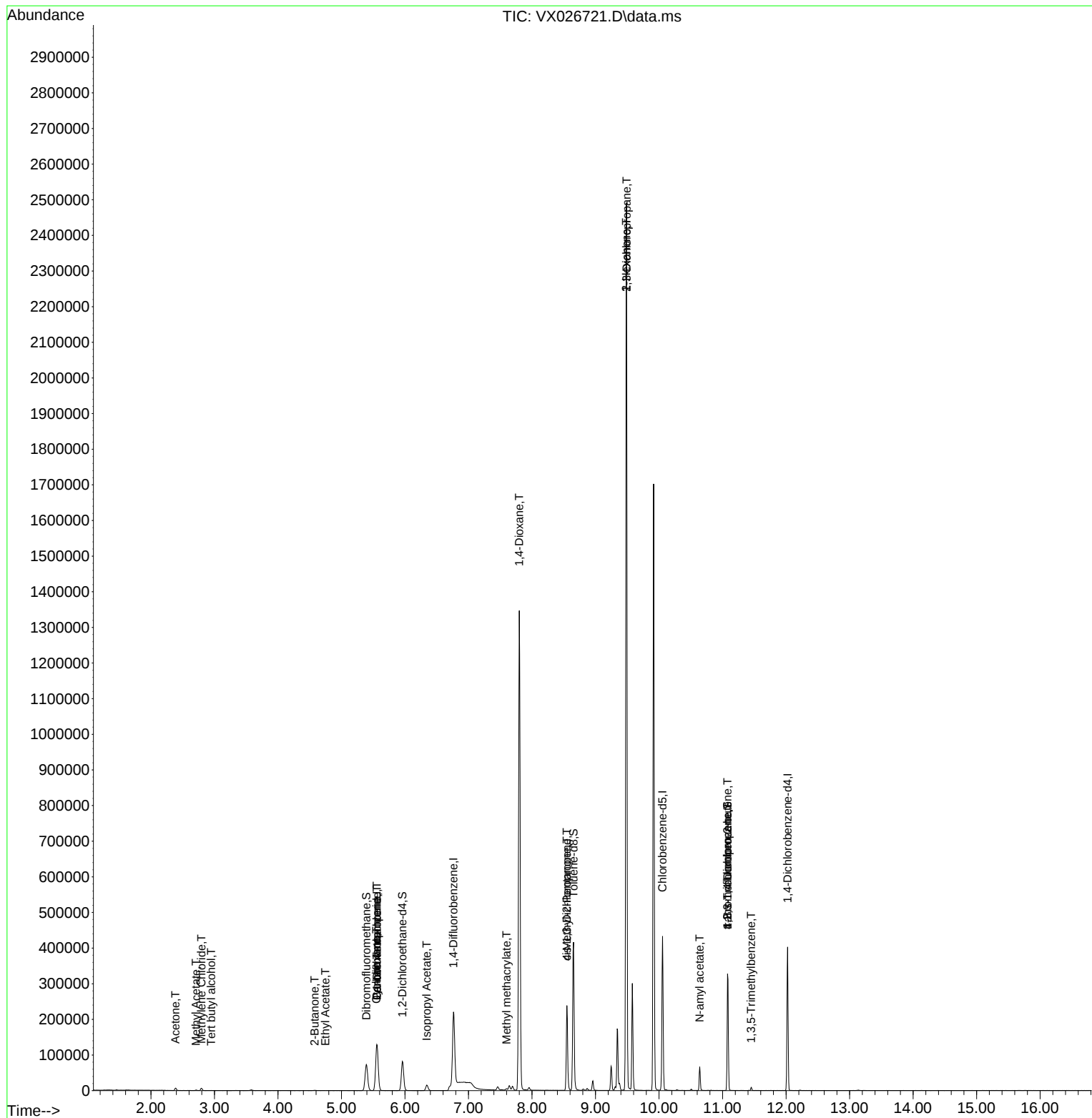
Internal Standards						
1) Pentafluorobenzene	5.556	168	123641	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	208966	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	188031	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	82168	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	78999	45.739	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.480%
35) Dibromofluoromethane	5.391	113	64937	48.122	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.240%
50) Toluene-d8	8.653	98	245624	50.511	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.020%
62) 4-Bromofluorobenzene	11.079	95	91830	53.159	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	106.320%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.946	59	77	0.320	ug/l #	75
16) Acetone	2.386	43	8411	9.549	ug/l	94
18) Methyl Acetate	2.709	43	2220	1.268	ug/l	92
20) Methylene Chloride	2.794	84	2998	2.060	ug/l	95
25) 2-Butanone	4.574	43	1514	1.322	ug/l	91
31) Cyclohexane	5.550	56	2396	0.941	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	9481	4.451	ug/l #	50
37) Ethyl Acetate	4.745	43	466	0.216	ug/l #	69
38) Carbon Tetrachloride	5.556	117	12623	5.761	ug/l #	16
43) Isopropyl Acetate	6.342	43	22057	6.336	ug/l	99
48) Methyl methacrylate	7.598	41	5780	3.351	ug/l #	16
49) 1,4-Dioxane	7.799	88	195	6.888	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	79201	38.360	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	37261	16.572	ug/l #	56
57) 1,3-Dichloropropane	9.488	76	22393	9.167	ug/l #	43
59) 2-Hexanone	9.482	43	307460	194.563	ug/l #	51
74) N-amyl acetate	10.640	43	15749	6.057	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	44563	24.632	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.451	105	4245	0.764	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.079	75	44563	74.944	ug/l #	3

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

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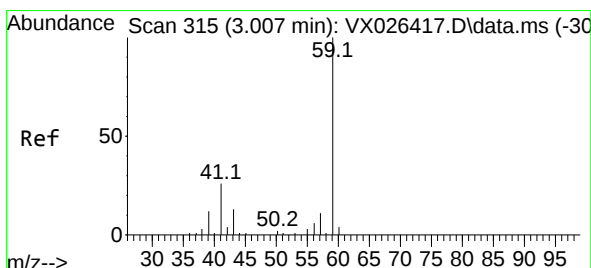
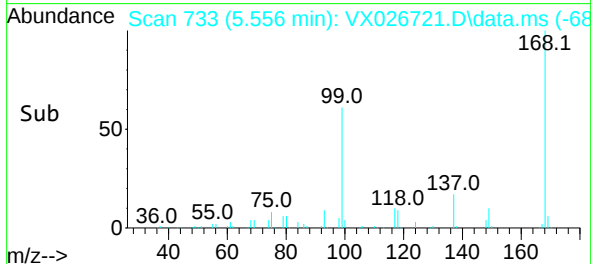
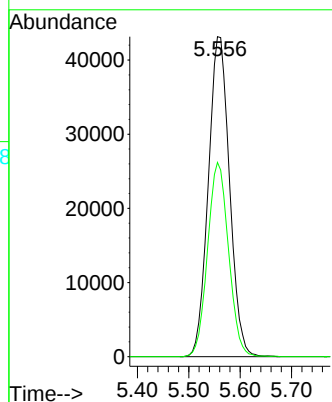
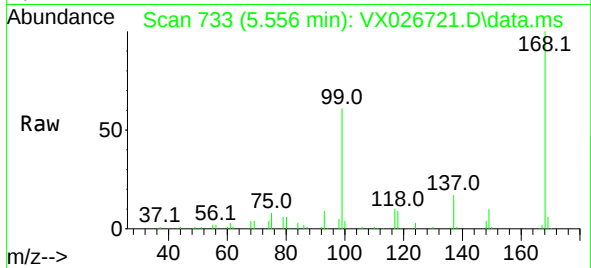




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX026721.D
Acq: 01 Feb 2022 20:43

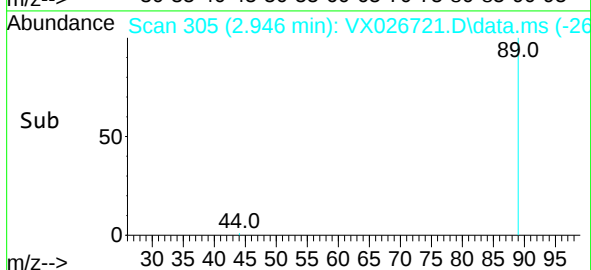
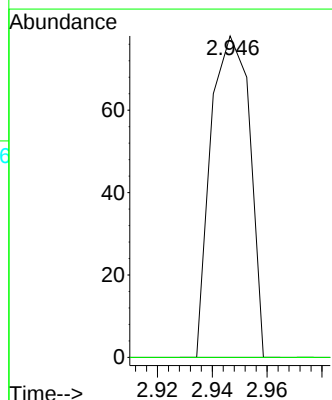
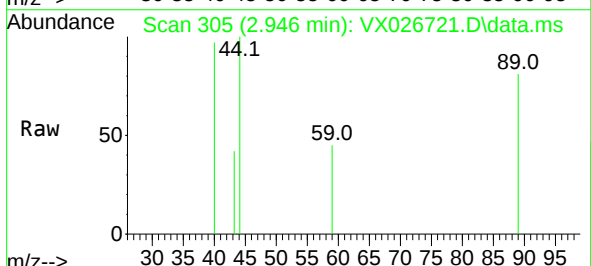
Instrument :
MSVOA_X
ClientSampleId :
PB142403ZHE#14

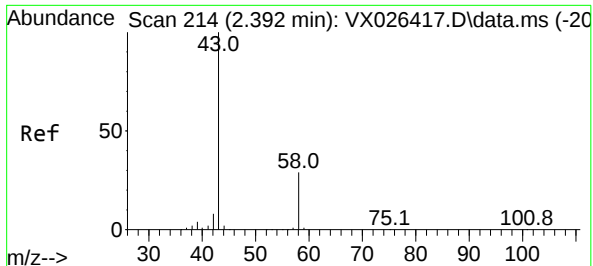
Tgt Ion:168 Resp: 123641
Ion Ratio Lower Upper
168 100
99 60.7 50.3 75.5



#11
Tert butyl alcohol
Concen: 0.320 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.061 min
Lab File: VX026721.D
Acq: 01 Feb 2022 20:43

Tgt Ion: 59 Resp: 77
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#

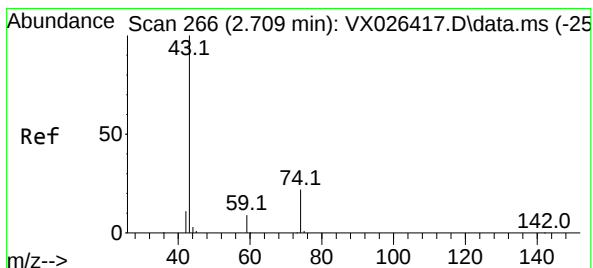
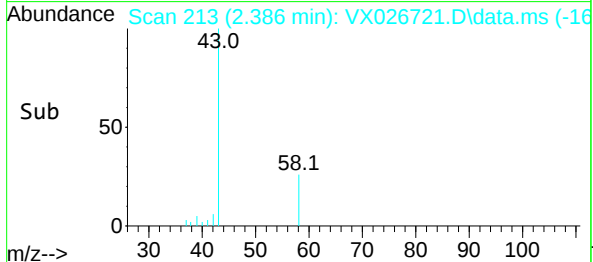
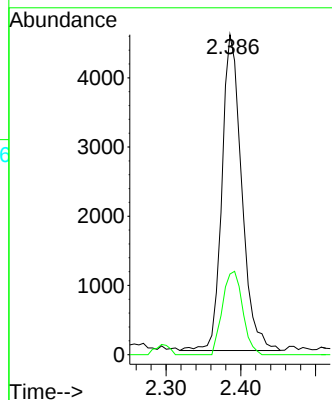
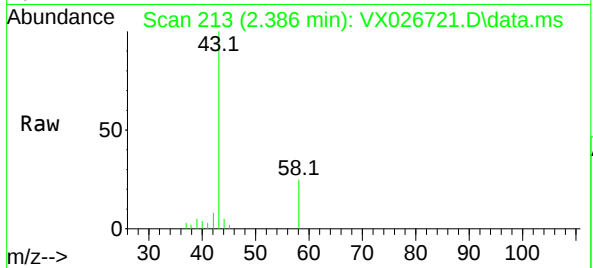




#16
Acetone
Concen: 9.549 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX026721.D
Acq: 01 Feb 2022 20:43

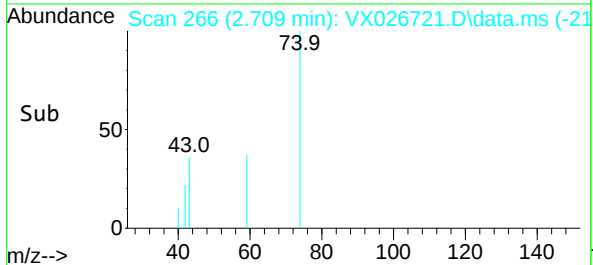
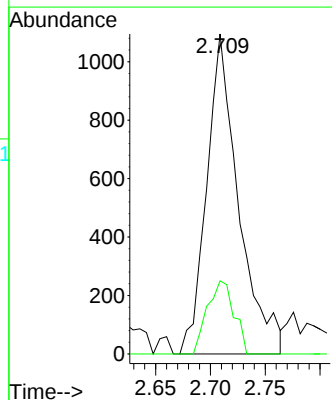
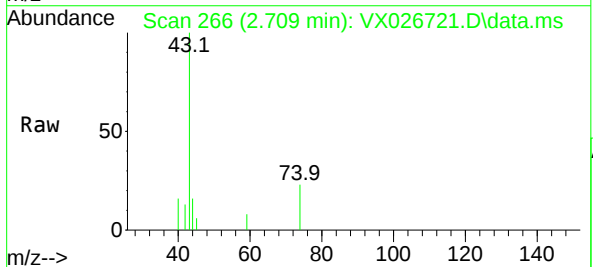
Instrument :
MSVOA_X
ClientSampleId :
PB142403ZHE#14

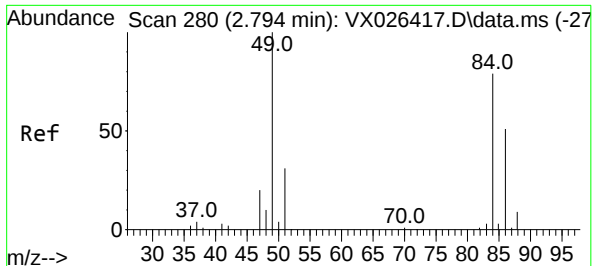
Tgt Ion: 43 Resp: 8411
Ion Ratio Lower Upper
43 100
58 25.5 23.0 34.6



#18
Methyl Acetate
Concen: 1.268 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX026721.D
Acq: 01 Feb 2022 20:43

Tgt Ion: 43 Resp: 2220
Ion Ratio Lower Upper
43 100
74 19.0 18.3 27.5





#20

Methylene Chloride

Concen: 2.060 ug/l

RT: 2.794 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX026721.D

Acq: 01 Feb 2022 20:43

Instrument :

MSVOA_X

ClientSampleId :

PB142403ZHE#14

Tgt Ion: 84 Resp: 2998

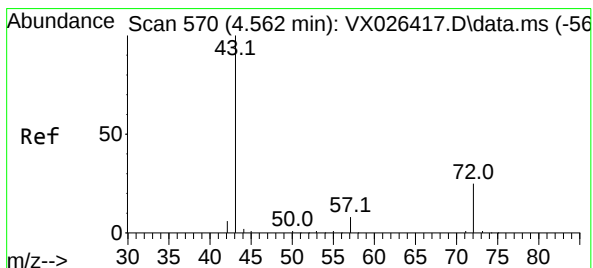
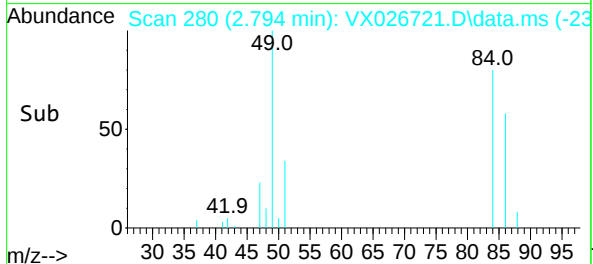
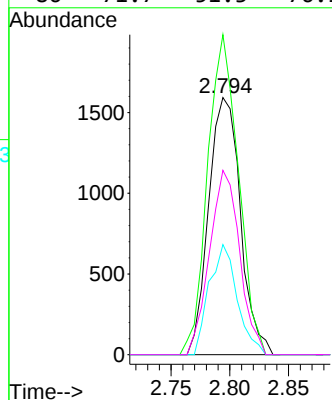
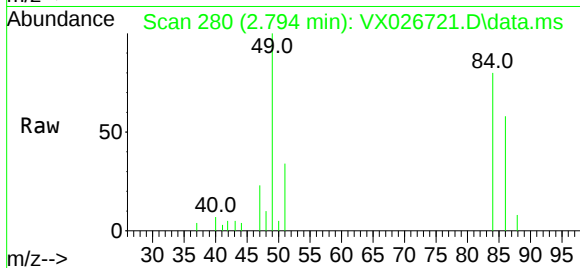
Ion Ratio Lower Upper

84 100

49 124.4 101.5 152.3

51 42.8 31.2 46.8

86 71.7 51.3 76.9



#25

2-Butanone

Concen: 1.322 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.012 min

Lab File: VX026721.D

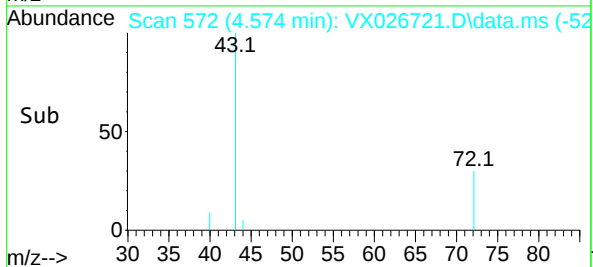
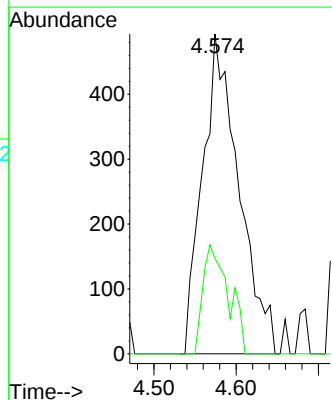
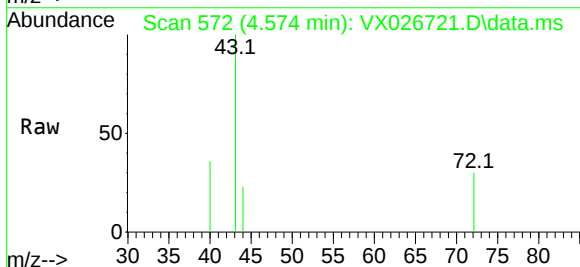
Acq: 01 Feb 2022 20:43

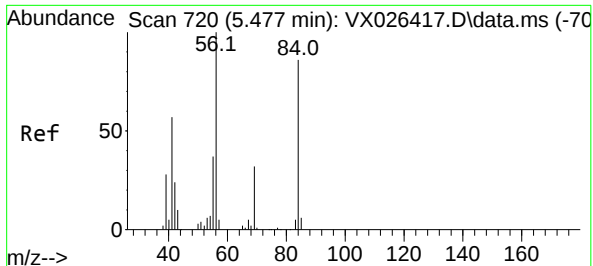
Tgt Ion: 43 Resp: 1514

Ion Ratio Lower Upper

43 100

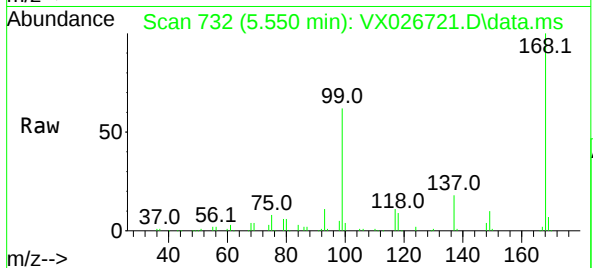
72 29.8 20.4 30.6



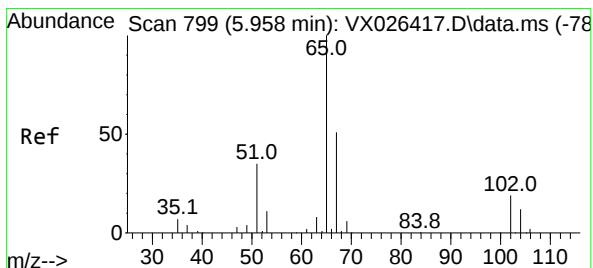
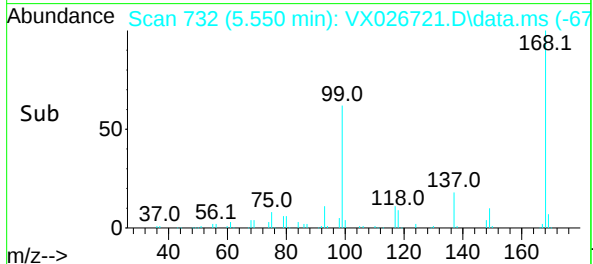
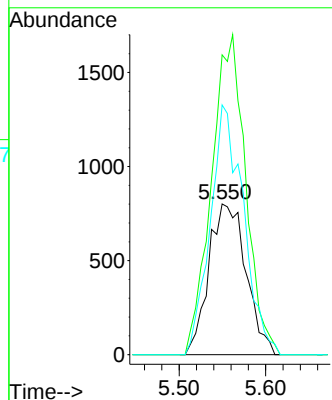


#31
Cyclohexane
Concen: 0.941 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.073 min
Lab File: VX026721.D
Acq: 01 Feb 2022 20:43

Instrument :
MSVOA_X
ClientSampleId :
PB142403ZHE#14

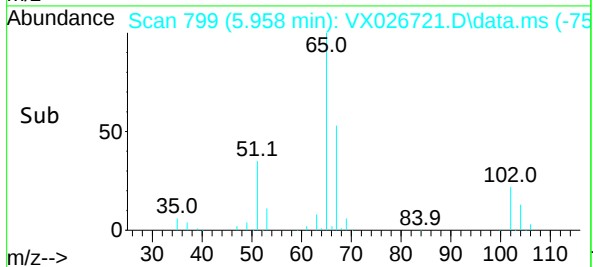
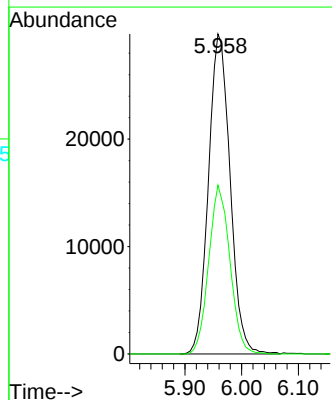
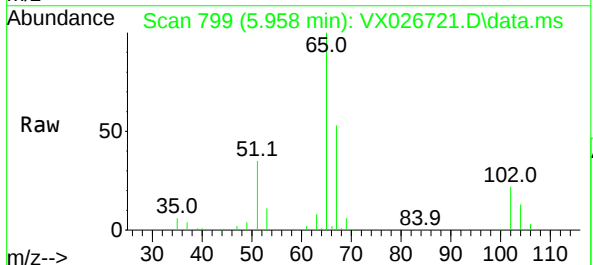


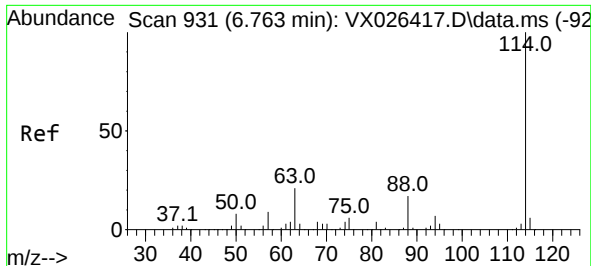
Tgt Ion: 56 Resp: 2396
Ion Ratio Lower Upper
56 100
69 199.0 25.8 38.6#
84 165.8 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 45.739 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX026721.D
Acq: 01 Feb 2022 20:43

Tgt Ion: 65 Resp: 78999
Ion Ratio Lower Upper
65 100
67 51.5 0.0 100.8

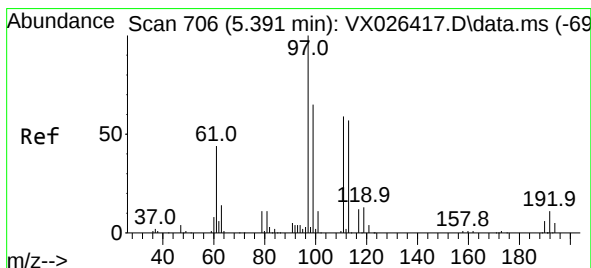
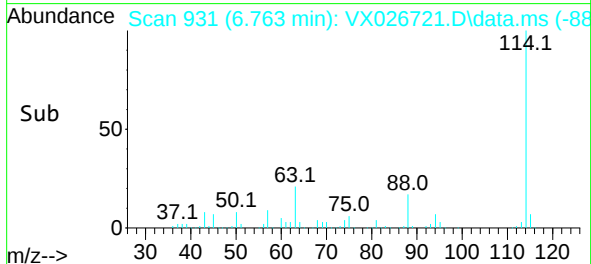
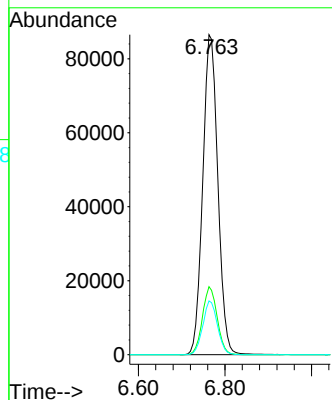
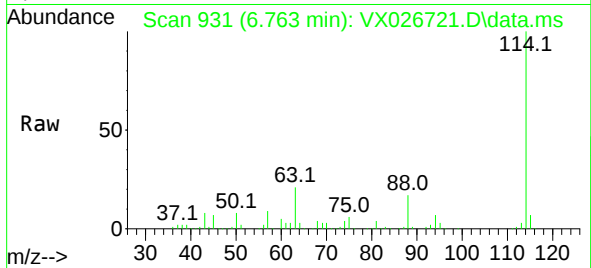




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX026721.D
Acq: 01 Feb 2022 20:43

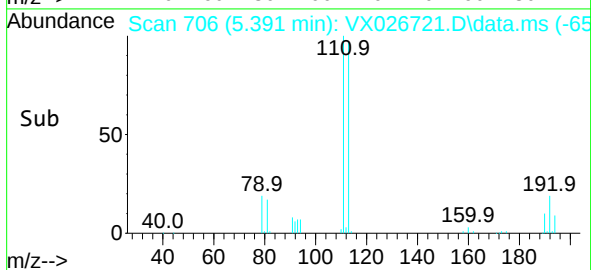
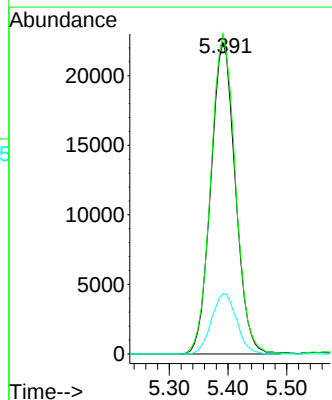
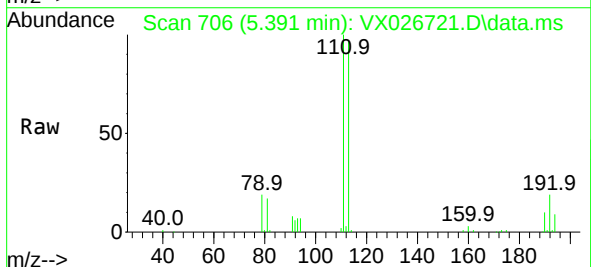
Instrument :
MSVOA_X
ClientSampleId :
PB142403ZHE#14

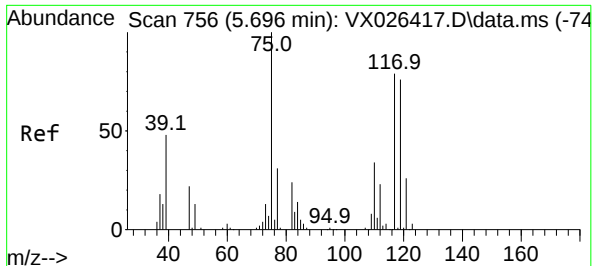
Tgt Ion:114 Resp: 208966
Ion Ratio Lower Upper
114 100
63 21.2 0.0 42.8
88 16.8 0.0 33.0



#35
Dibromofluoromethane
Concen: 48.122 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX026721.D
Acq: 01 Feb 2022 20:43

Tgt Ion:113 Resp: 64937
Ion Ratio Lower Upper
113 100
111 103.3 81.2 121.8
192 19.7 15.0 22.4





#36

1,1-Dichloropropene

Concen: 4.451 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX026721.D

Acq: 01 Feb 2022 20:43

Instrument :

MSVOA_X

ClientSampleId :

PB142403ZHE#14

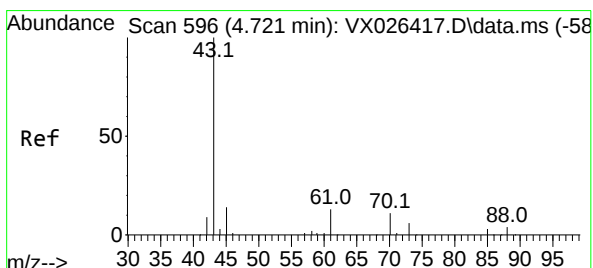
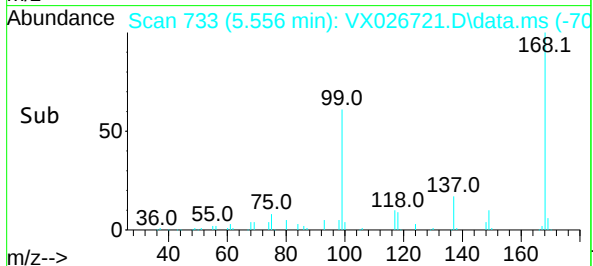
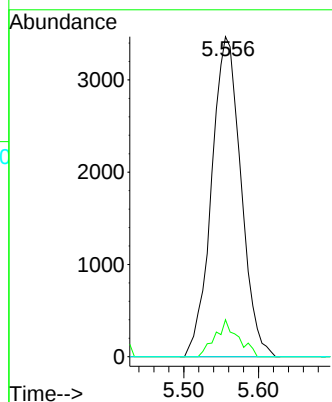
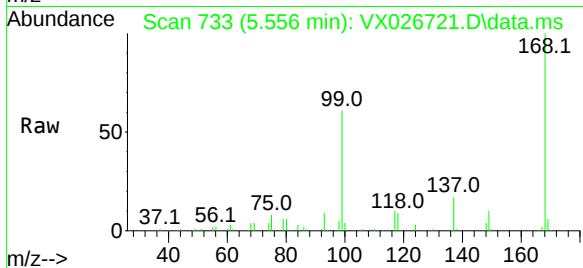
Tgt Ion: 75 Resp: 9481

Ion Ratio Lower Upper

75 100

110 8.9 17.2 51.6#

77 0.0 24.6 36.8#



#37

Ethyl Acetate

Concen: 0.216 ug/l

RT: 4.745 min Scan# 600

Delta R.T. 0.024 min

Lab File: VX026721.D

Acq: 01 Feb 2022 20:43

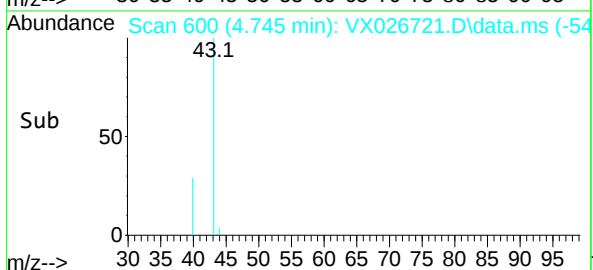
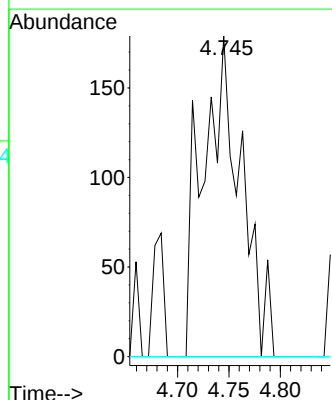
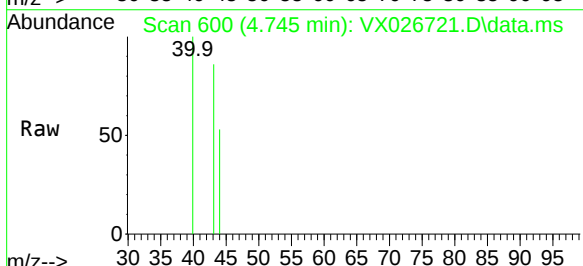
Tgt Ion: 43 Resp: 466

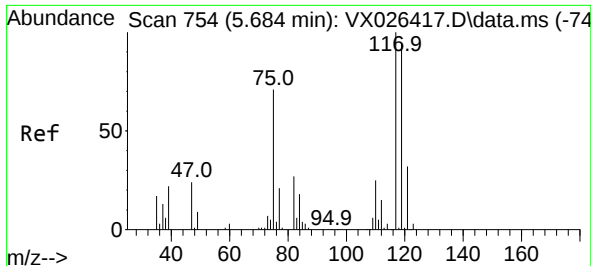
Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

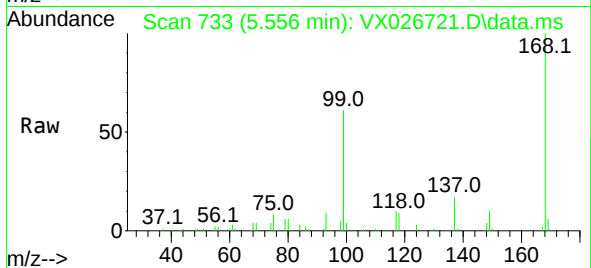
70 0.0 8.5 12.7#



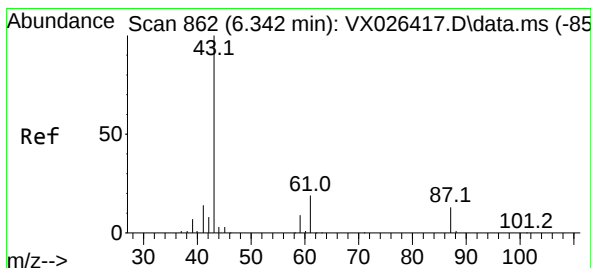
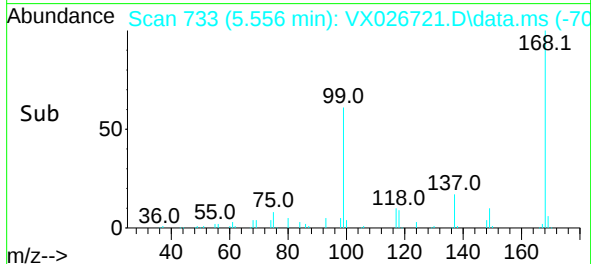
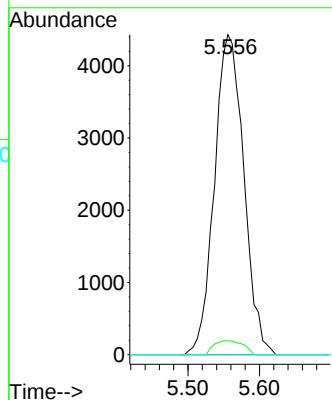


#38
Carbon Tetrachloride
Concen: 5.761 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX026721.D
Acq: 01 Feb 2022 20:43

Instrument :
MSVOA_X
ClientSampleId :
PB142403ZHE#14

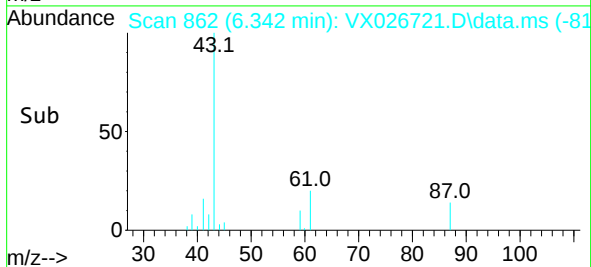
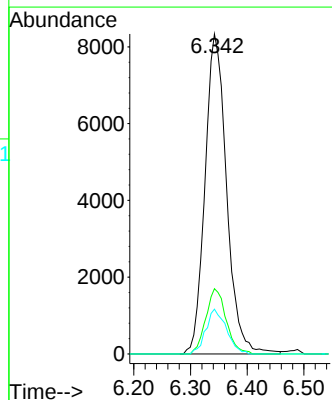
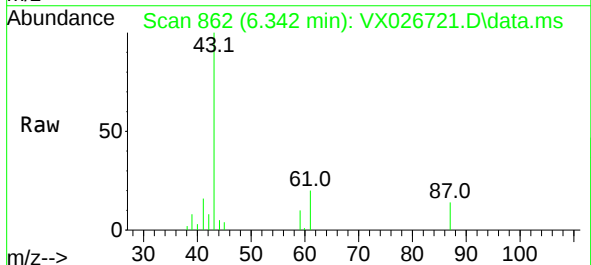


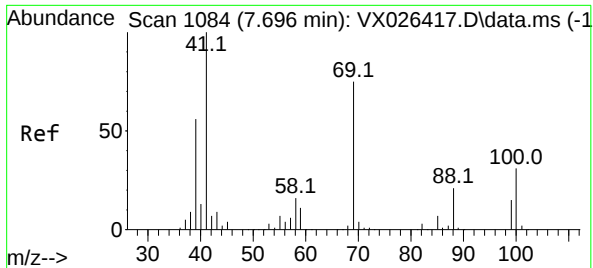
Tgt Ion:117 Resp: 12623
Ion Ratio Lower Upper
117 100
119 4.3 74.7 112.1#
121 0.0 25.4 38.0#



#43
Isopropyl Acetate
Concen: 6.336 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX026721.D
Acq: 01 Feb 2022 20:43

Tgt Ion: 43 Resp: 22057
Ion Ratio Lower Upper
43 100
61 19.2 15.4 23.0
87 13.3 10.2 15.2

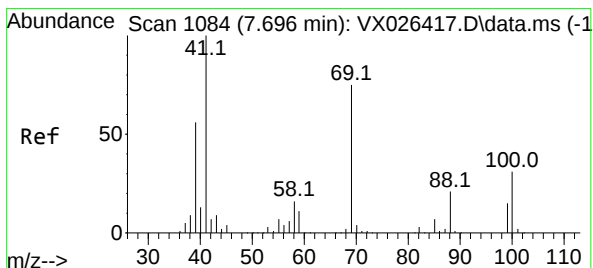
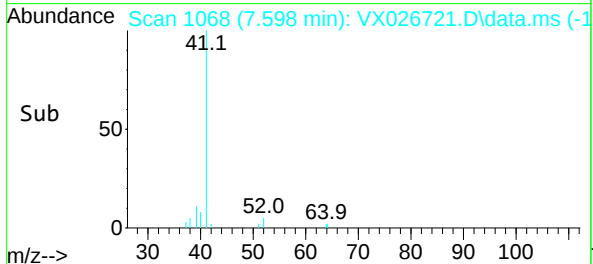
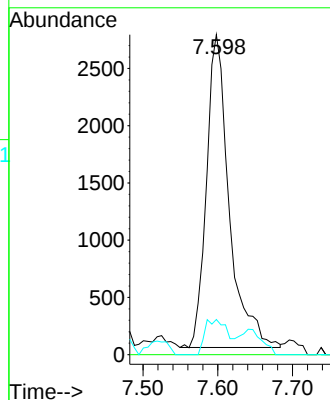
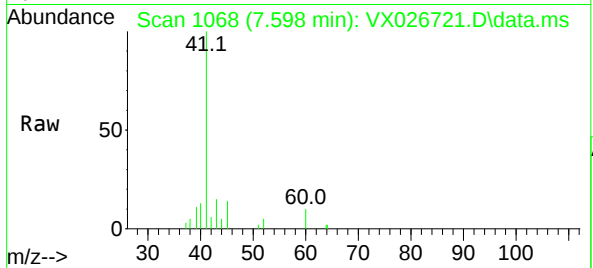




#48
Methyl methacrylate
Concen: 3.351 ug/l
RT: 7.598 min Scan# 1101
Delta R.T. -0.098 min
Lab File: VX026721.D
Acq: 01 Feb 2022 20:43

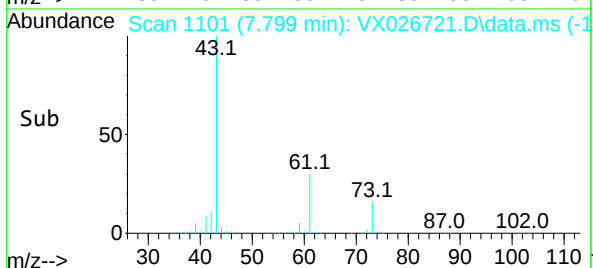
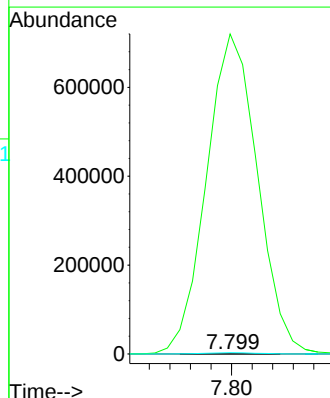
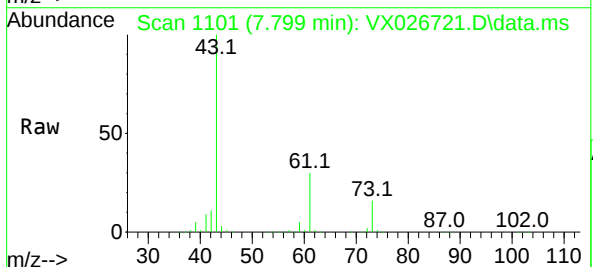
Instrument :
MSVOA_X
ClientSampleId :
PB142403ZHE#14

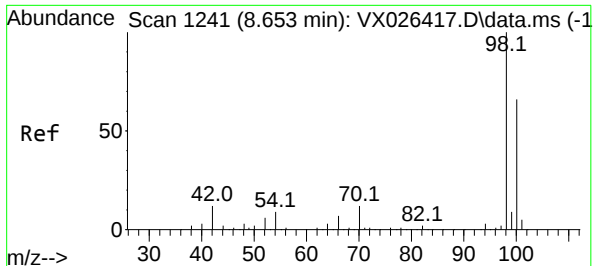
Tgt Ion: 41 Resp: 5780
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.4#
39 0.0 45.4 68.0#



#49
1,4-Dioxane
Concen: 6.888 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX026721.D
Acq: 01 Feb 2022 20:43

Tgt Ion: 88 Resp: 195
Ion Ratio Lower Upper
88 100
43 638823.1 29.9 44.9#
58 2442.1 57.8 86.6#

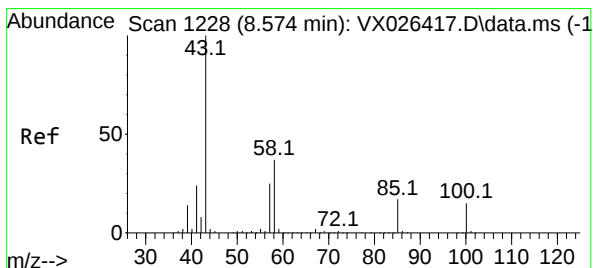
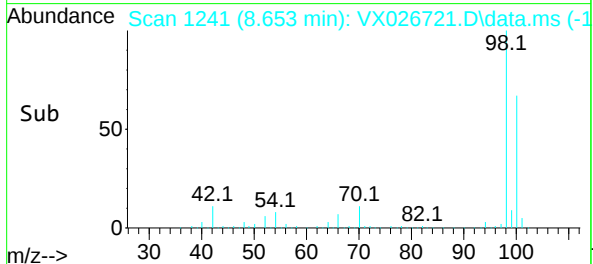
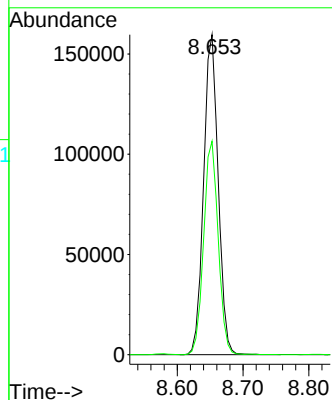
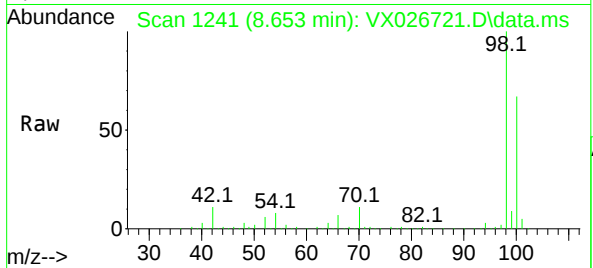




#50
Toluene-d8
Concen: 50.511 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX026721.D
Acq: 01 Feb 2022 20:43

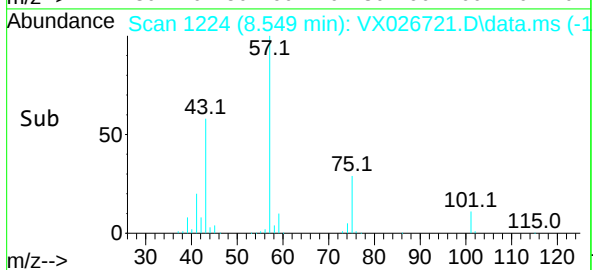
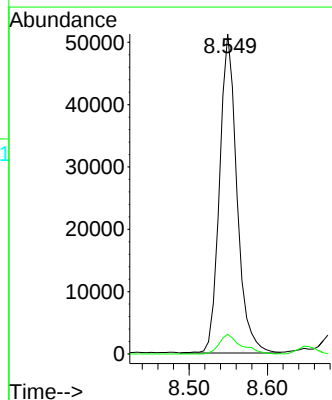
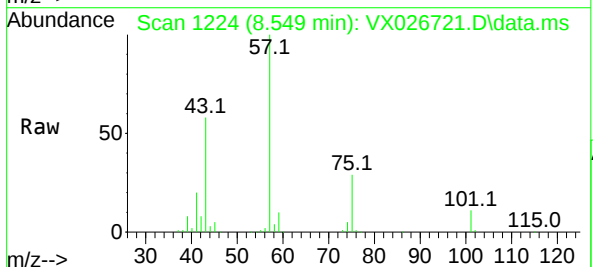
Instrument :
MSVOA_X
ClientSampleId :
PB142403ZHE#14

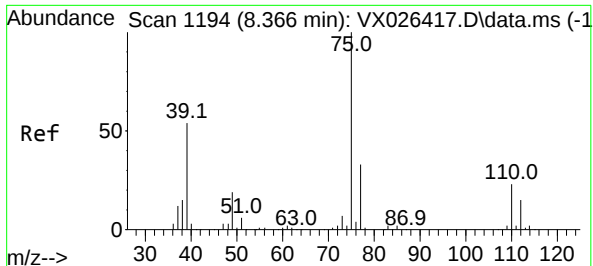
Tgt Ion: 98 Resp: 245624
Ion Ratio Lower Upper
98 100
100 66.5 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 38.360 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX026721.D
Acq: 01 Feb 2022 20:43

Tgt Ion: 43 Resp: 79201
Ion Ratio Lower Upper
43 100
58 7.7 30.5 45.7#

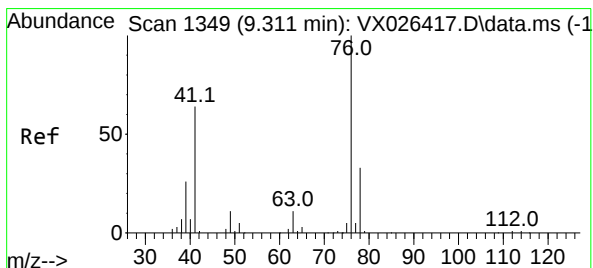
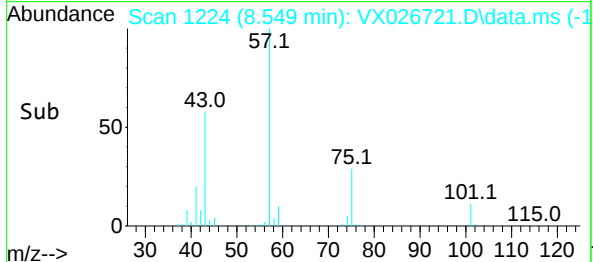
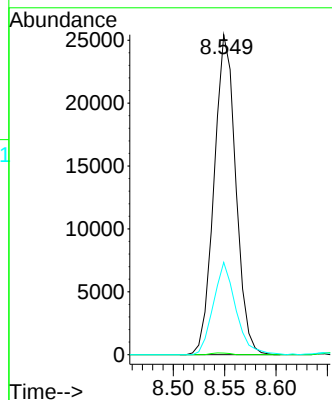
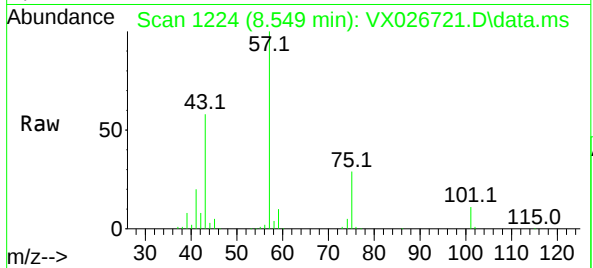




#54
 cis-1,3-Dichloropropene
 Concen: 16.572 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX026721.D
 Acq: 01 Feb 2022 20:43

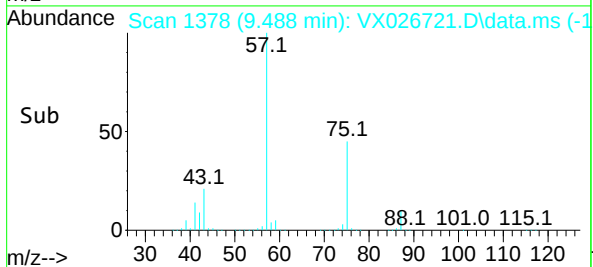
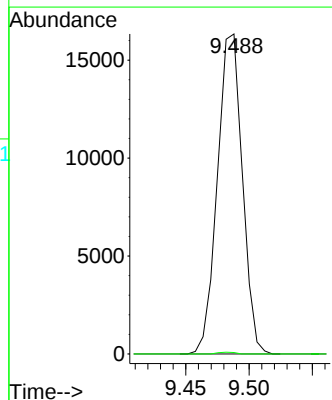
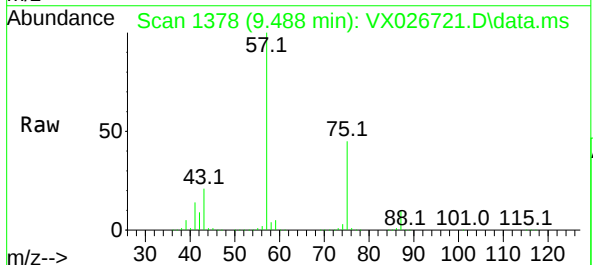
Instrument :
 MSVOA_X
 ClientSampleId :
 PB142403ZHE#14

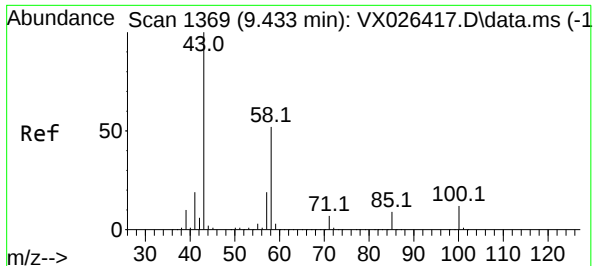
Tgt Ion: 75 Resp: 37261
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.2 39.2#
 39 28.8 43.5 65.3#



#57
 1,3-Dichloropropane
 Concen: 9.167 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX026721.D
 Acq: 01 Feb 2022 20:43

Tgt Ion: 76 Resp: 22393
 Ion Ratio Lower Upper
 76 100
 78 0.4 25.7 38.5#





#59

2-Hexanone

Concen: 194.563 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.049 min

Lab File: VX026721.D

Acq: 01 Feb 2022 20:43

Instrument :

MSVOA_X

ClientSampleId :

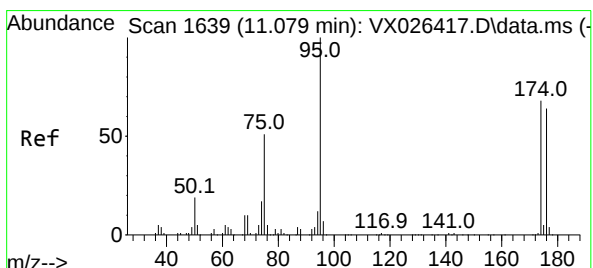
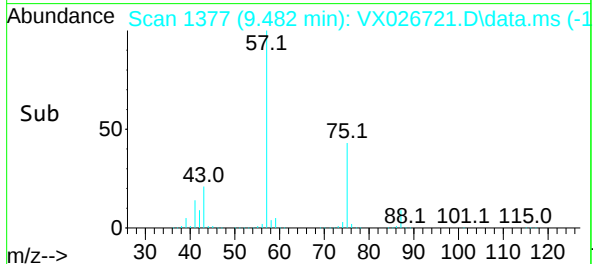
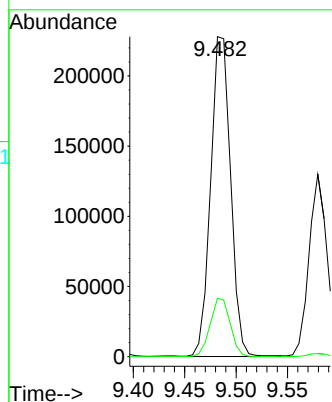
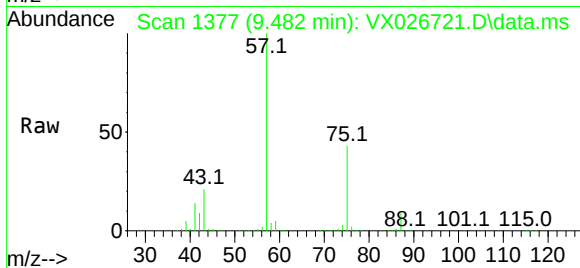
PB142403ZHE#14

Tgt Ion: 43 Resp: 307460

Ion Ratio Lower Upper

43 100

58 18.2 26.4 79.2#



#62

4-Bromofluorobenzene

Concen: 53.159 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX026721.D

Acq: 01 Feb 2022 20:43

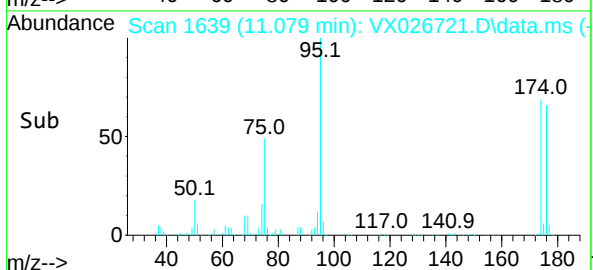
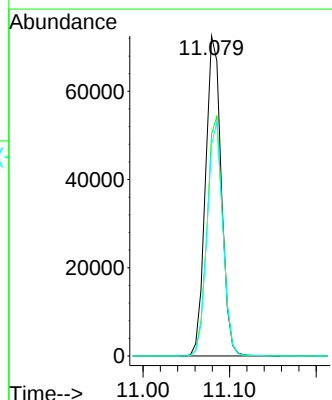
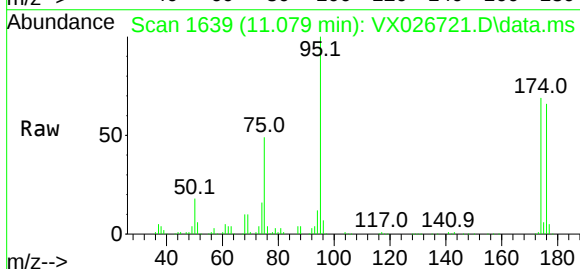
Tgt Ion: 95 Resp: 91830

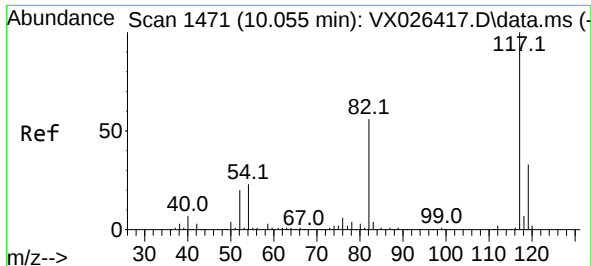
Ion Ratio Lower Upper

95 100

174 75.0 0.0 148.6

176 72.5 0.0 141.4

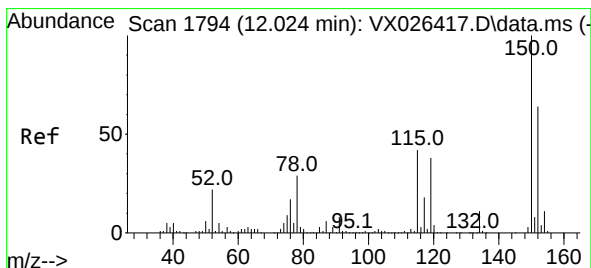
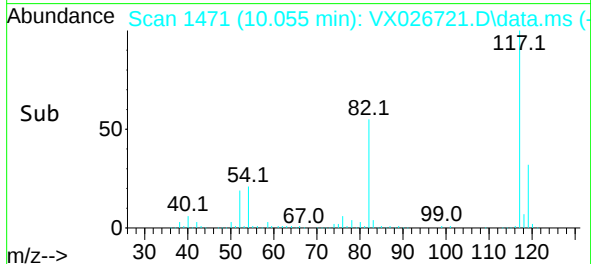
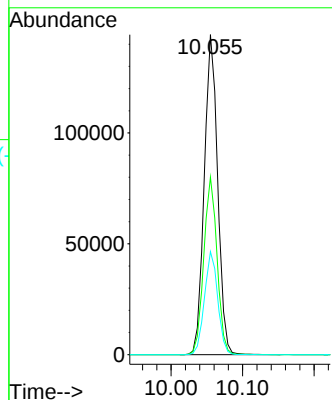
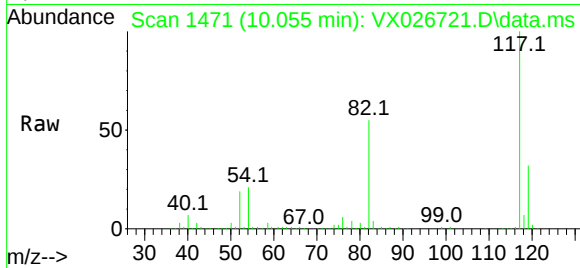




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX026721.D
Acq: 01 Feb 2022 20:43

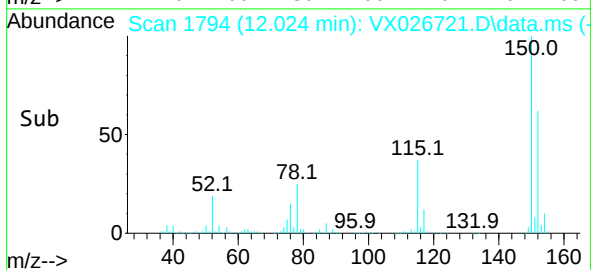
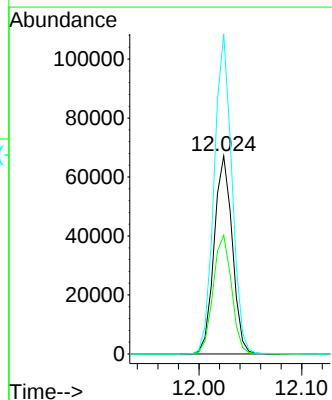
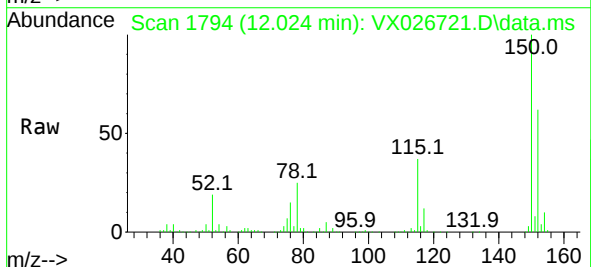
Instrument :
MSVOA_X
ClientSampleId :
PB142403ZHE#14

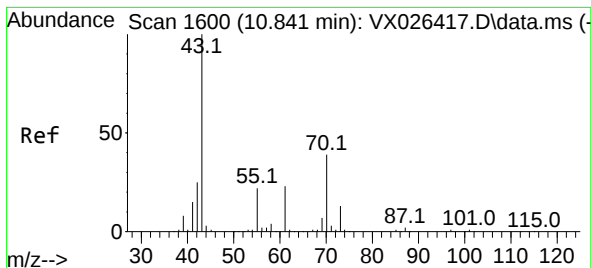
Tgt Ion:117 Resp: 188031
Ion Ratio Lower Upper
117 100
82 55.5 45.2 67.8
119 32.2 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX026721.D
Acq: 01 Feb 2022 20:43

Tgt Ion:152 Resp: 82168
Ion Ratio Lower Upper
152 100
115 60.8 44.2 132.6
150 158.3 0.0 348.2





#74

N-amy1 acetate

Concen: 6.057 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX026721.D

Acq: 01 Feb 2022 20:43

Instrument :

MSVOA_X

ClientSampleId :

PB142403ZHE#14

Tgt Ion: 43 Resp: 15749

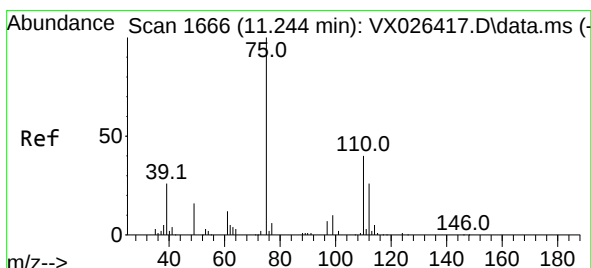
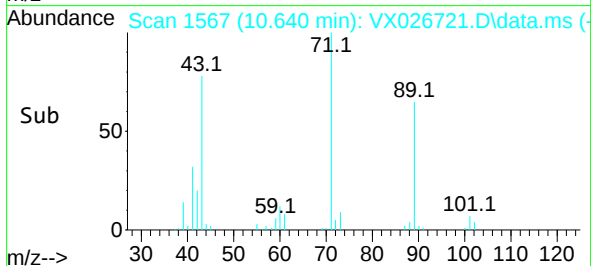
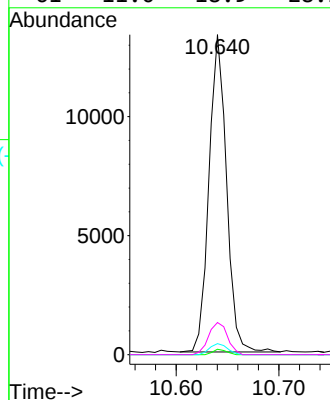
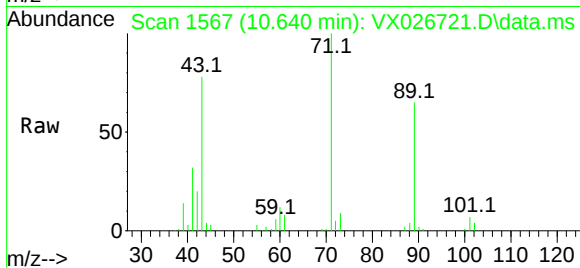
Ion Ratio Lower Upper

43 100

70 1.3 32.9 49.3#

55 3.5 18.3 27.5#

61 11.0 18.9 28.3#



#76

1,2,3-Trichloropropane

Concen: 24.632 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX026721.D

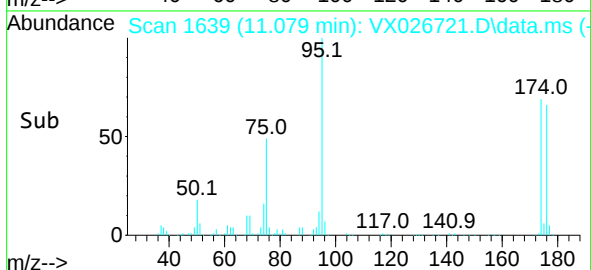
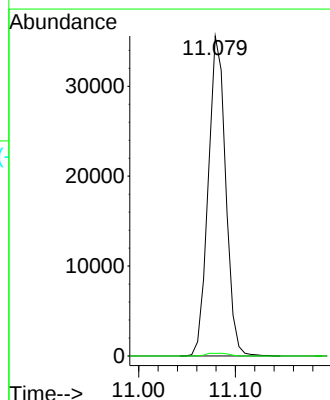
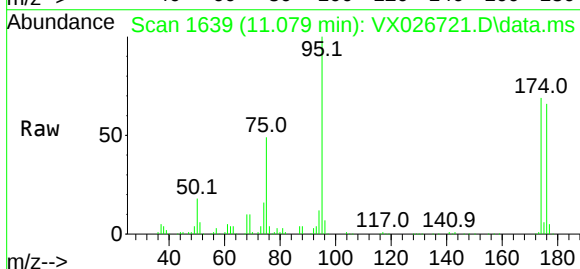
Acq: 01 Feb 2022 20:43

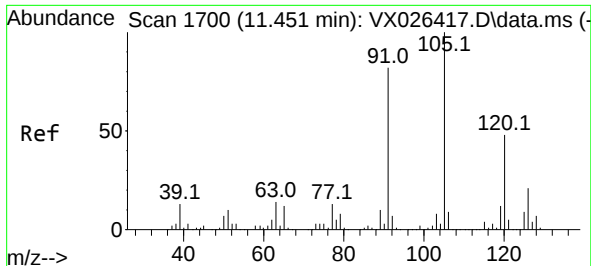
Tgt Ion: 75 Resp: 44563

Ion Ratio Lower Upper

75 100

77 1.1 18.3 54.8#

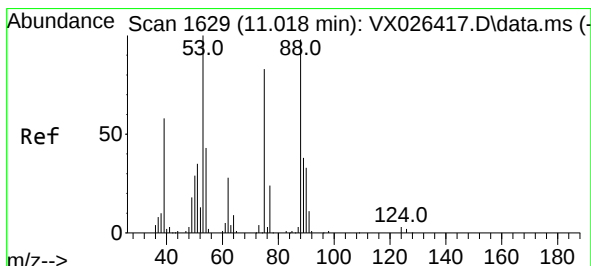
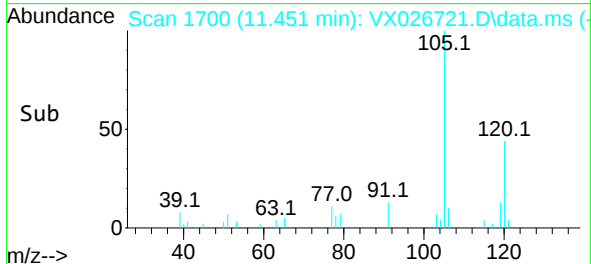
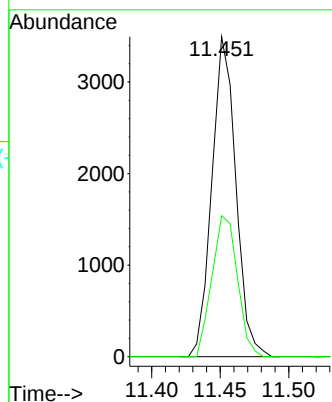
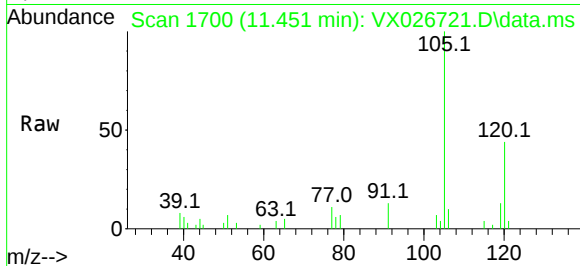




#80
1,3,5-Trimethylbenzene
Concen: 0.764 ug/l
RT: 11.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX026721.D
Acq: 01 Feb 2022 20:43

Instrument :
MSVOA_X
ClientSampleId :
PB142403ZHE#14

Tgt Ion:105 Resp: 4245
Ion Ratio Lower Upper
105 100
120 46.7 24.0 72.0



#81
trans-1,4-Dichloro-2-butene
Concen: 74.944 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX026721.D
Acq: 01 Feb 2022 20:43

Tgt Ion: 75 Resp: 44563
Ion Ratio Lower Upper
75 100
53 0.0 94.0 141.0#
89 0.0 37.0 55.4#

