

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011522\
 Data File : VX026461.D
 Acq On : 14 Jan 2022 18:40
 Operator : JC/MD
 Sample : PB142010TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 17 00:41:12 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

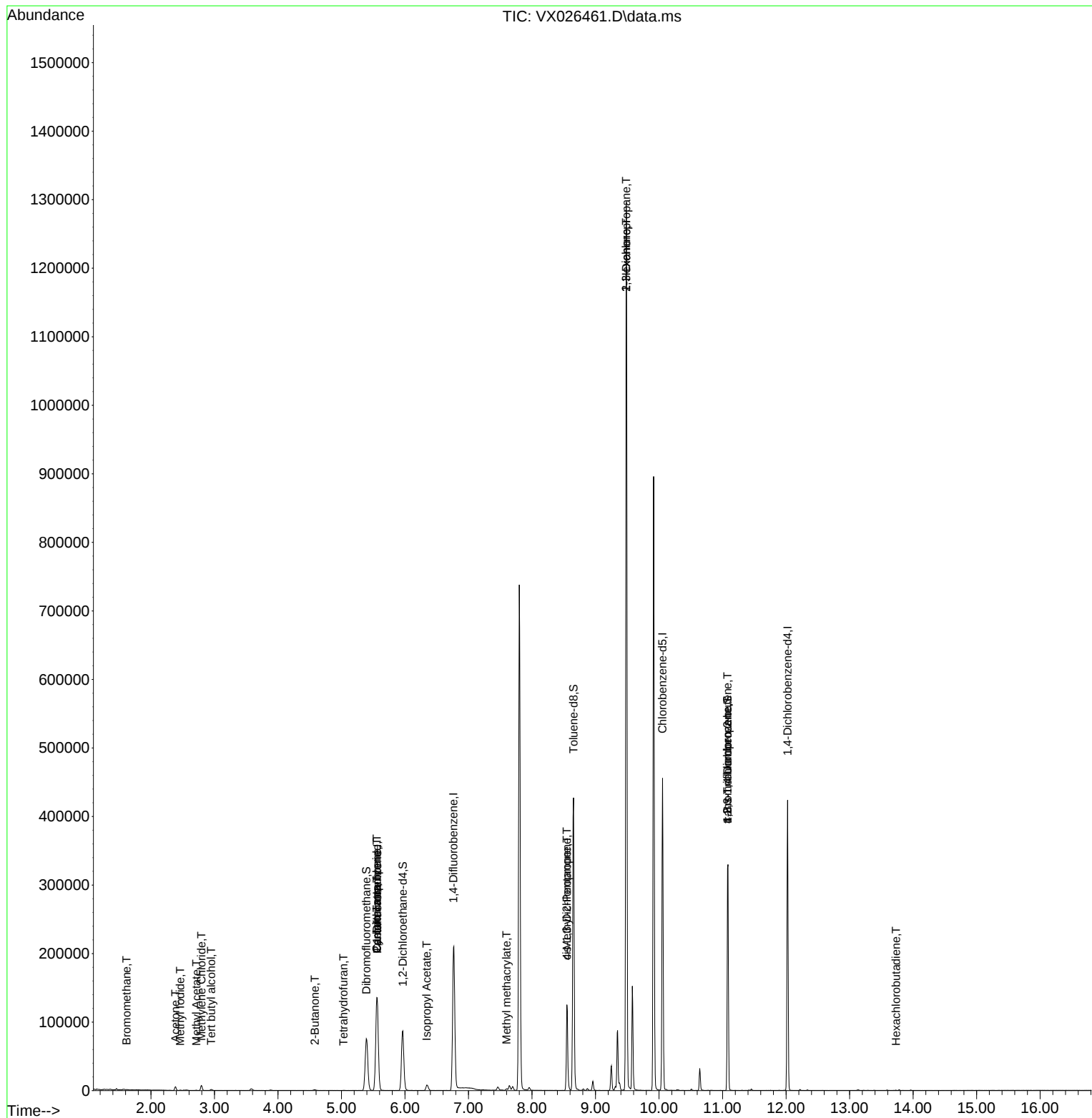
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	127127	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	210687	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	189322	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	83461	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	86927	48.949	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.900%
35) Dibromofluoromethane	5.391	113	67139	49.347	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.700%
50) Toluene-d8	8.653	98	248479	50.681	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.360%
62) 4-Bromofluorobenzene	11.079	95	93568	53.723	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	107.440%
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	202	0.303	ug/l	98
10) Methyl Iodide	2.459	142	601	4.811	ug/l #	85
11) Tert butyl alcohol	2.947	59	1059	4.287	ug/l #	75
16) Acetone	2.386	43	5933	6.551	ug/l	96
18) Methyl Acetate	2.715	43	650	0.361	ug/l #	66
20) Methylene Chloride	2.794	84	3204	2.141	ug/l	87
25) 2-Butanone	4.580	43	1270	1.078	ug/l #	85
29) Tetrahydrofuran	5.032	42	307	0.439	ug/l #	34
31) Cyclohexane	5.556	56	2644	1.009	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10359	4.823	ug/l #	51
38) Carbon Tetrachloride	5.556	117	13598	6.155	ug/l #	16
43) Isopropyl Acetate	6.342	43	11557	3.293	ug/l	98
48) Methyl methacrylate	7.598	41	3492	2.008	ug/l #	16
51) 4-Methyl-2-Pentanone	8.549	43	43646	20.967	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	18977	8.371	ug/l #	58
57) 1,3-Dichloropropane	9.482	76	11550	4.689	ug/l #	43
59) 2-Hexanone	9.482	43	164925	103.513	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	47248	25.711	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	47248	78.011	ug/l #	3
94) Hexachlorobutadiene	13.731	225	170	0.226	ug/l	69

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

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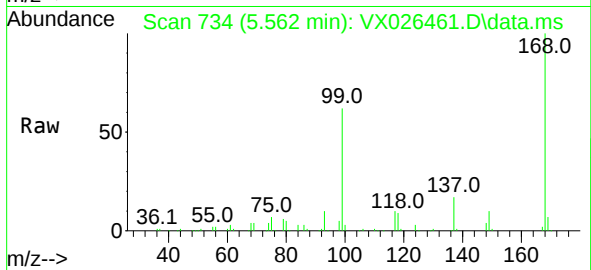
Quant Time: Jan 17 00:41:12 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011122W.M
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QLast Update : Tue Jan 11 14:45:13 2022
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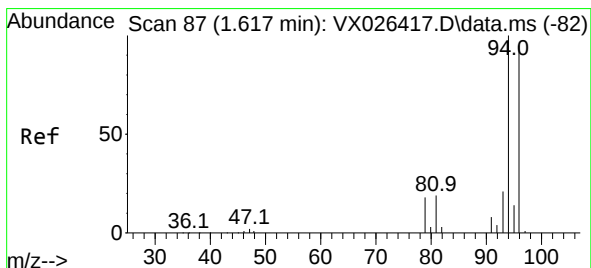
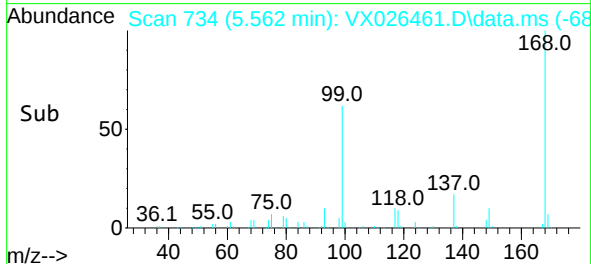
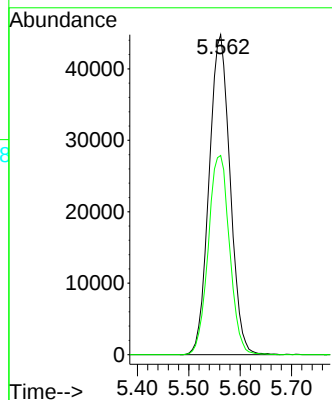


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX026461.D
Acq: 14 Jan 2022 18:40

Instrument :
MSVOA_X
ClientSampleId :

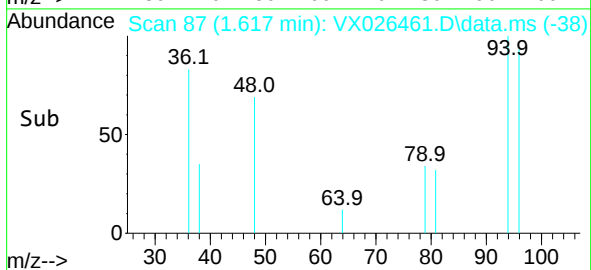
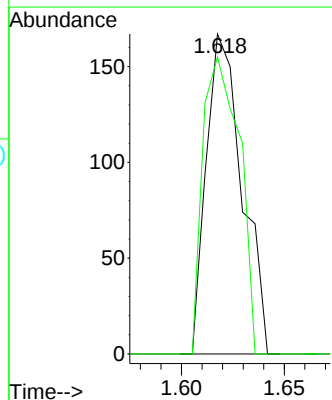
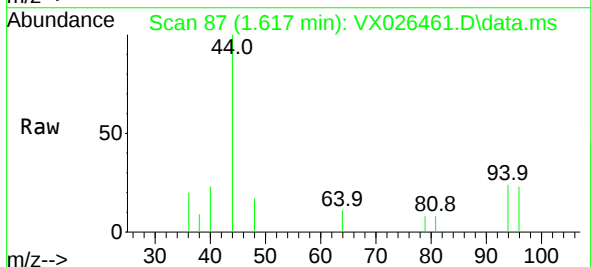


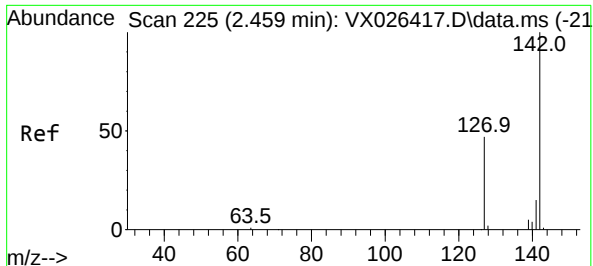
Tgt Ion:168 Resp: 127127
Ion Ratio Lower Upper
168 100
99 62.3 50.3 75.5



#5
Bromomethane
Concen: 0.303 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.000 min
Lab File: VX026461.D
Acq: 14 Jan 2022 18:40

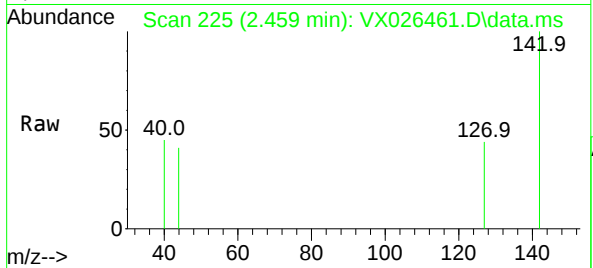
Tgt Ion: 94 Resp: 202
Ion Ratio Lower Upper
94 100
96 92.8 75.9 113.9



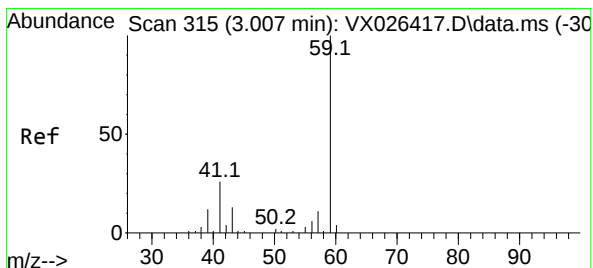
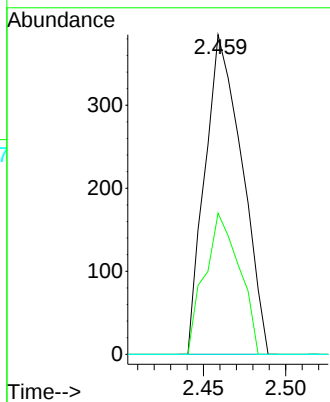
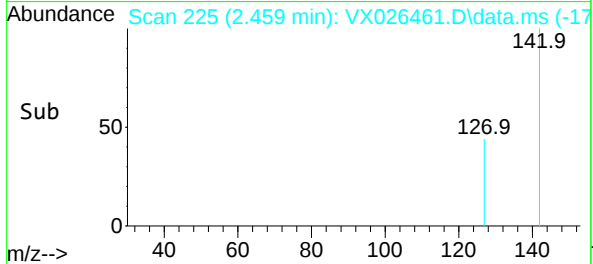


#10
Methyl Iodide
Concen: 4.811 ug/l
RT: 2.459 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX026461.D
Acq: 14 Jan 2022 18:40

Instrument :
MSVOA_X
ClientSampleId :

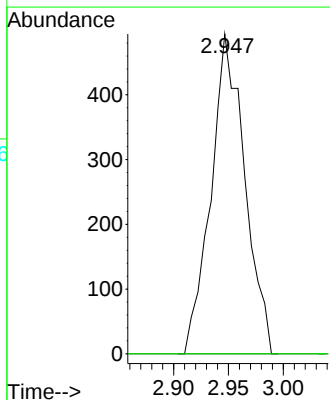
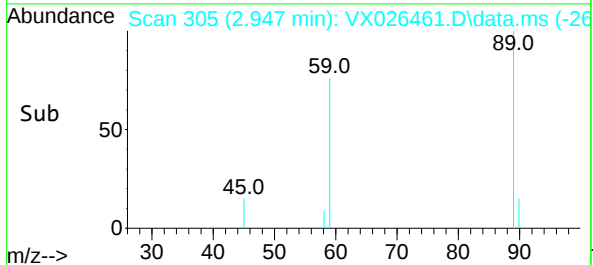
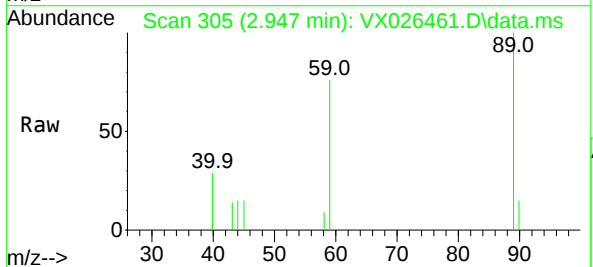


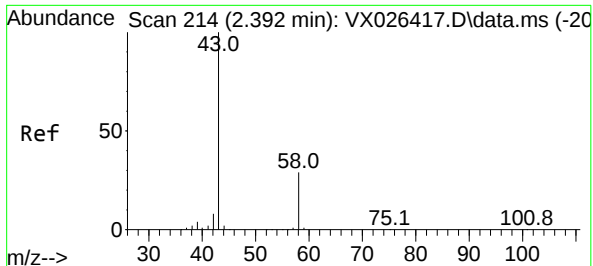
Tgt Ion:142 Resp: 601
Ion Ratio Lower Upper
142 100
127 41.4 38.1 57.1
141 0.0 11.2 16.8#



#11
Tert butyl alcohol
Concen: 4.287 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.060 min
Lab File: VX026461.D
Acq: 14 Jan 2022 18:40

Tgt Ion: 59 Resp: 1059
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#

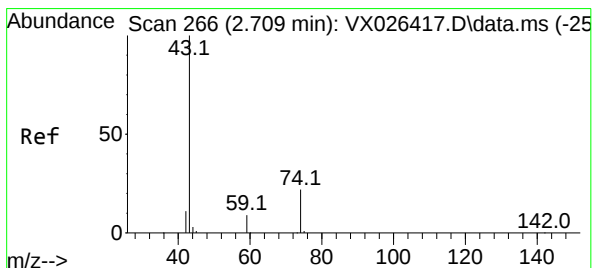
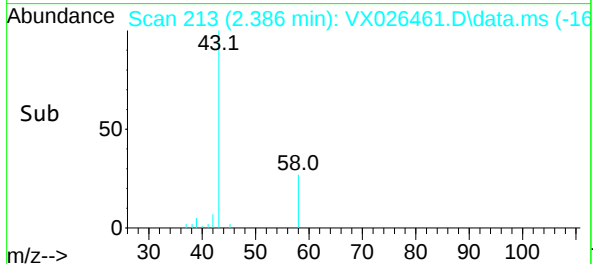
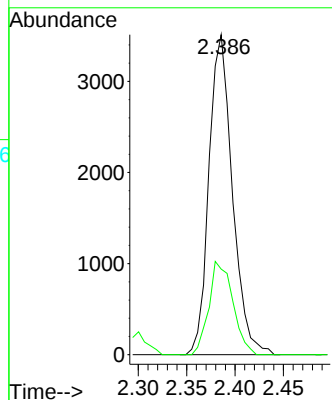
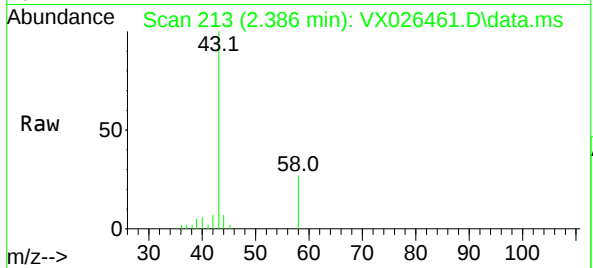




#16
Acetone
Concen: 6.551 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX026461.D
Acq: 14 Jan 2022 18:40

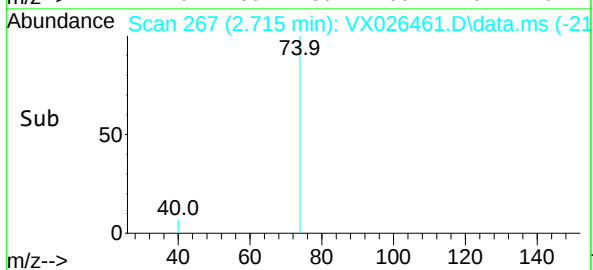
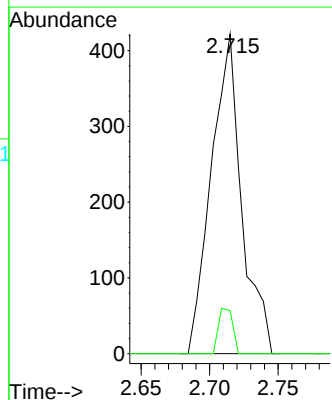
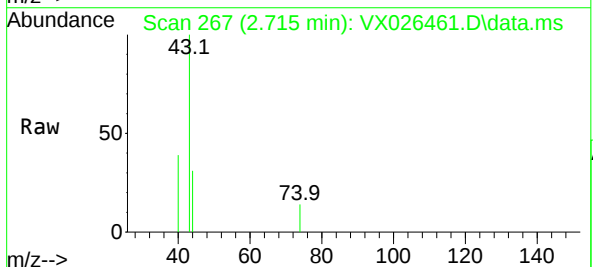
Instrument :
MSVOA_X
ClientSampleId :

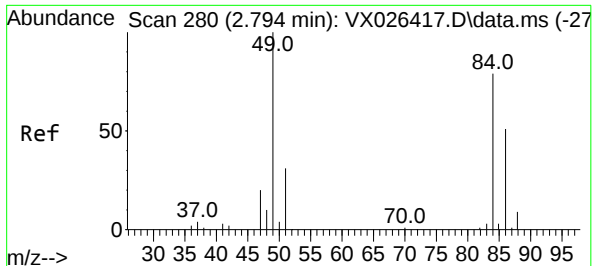
Tgt Ion: 43 Resp: 5933
Ion Ratio Lower Upper
43 100
58 26.8 23.0 34.6



#18
Methyl Acetate
Concen: 0.361 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX026461.D
Acq: 14 Jan 2022 18:40

Tgt Ion: 43 Resp: 650
Ion Ratio Lower Upper
43 100
74 6.6 18.3 27.5#





#20

Methylene Chloride

Concen: 2.141 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.000 min

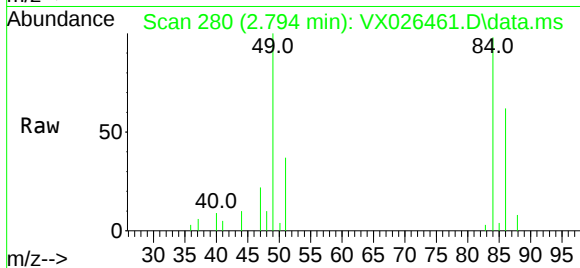
Lab File: VX026461.D

Acq: 14 Jan 2022 18:40

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 3204

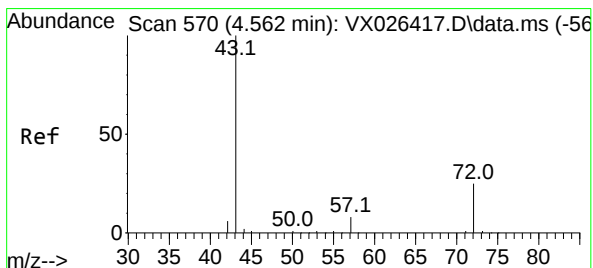
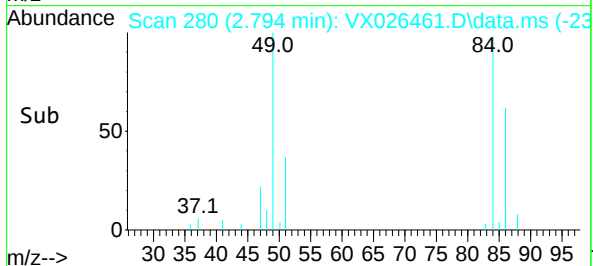
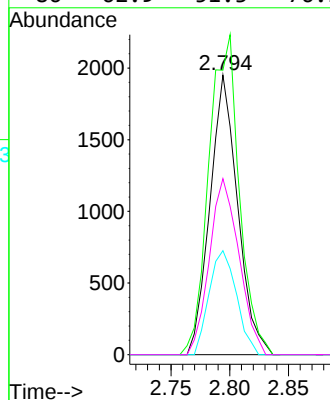
Ion Ratio Lower Upper

84 100

49 101.7 101.5 152.3

51 37.2 31.2 46.8

86 62.9 51.3 76.9



#25

2-Butanone

Concen: 1.078 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.018 min

Lab File: VX026461.D

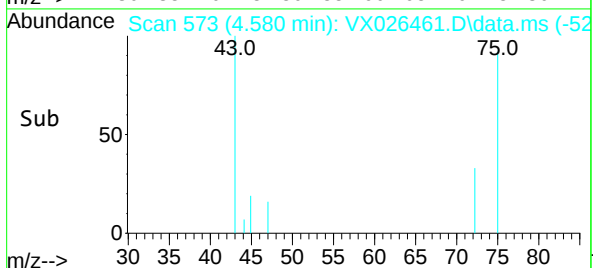
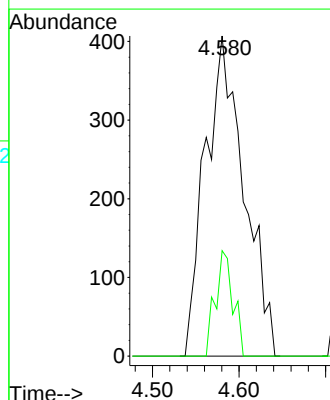
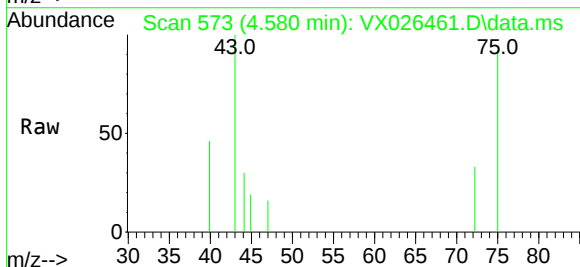
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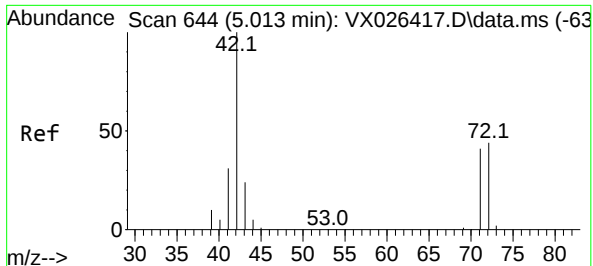
Tgt Ion: 43 Resp: 1270

Ion Ratio Lower Upper

43 100

72 32.9 20.4 30.6#





#29

Tetrahydrofuran

Concen: 0.439 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.018 min

Lab File: VX026461.D

Acq: 14 Jan 2022 18:40

Instrument :

MSVOA_X

ClientSampleId :

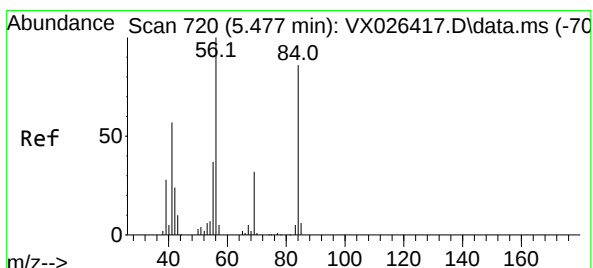
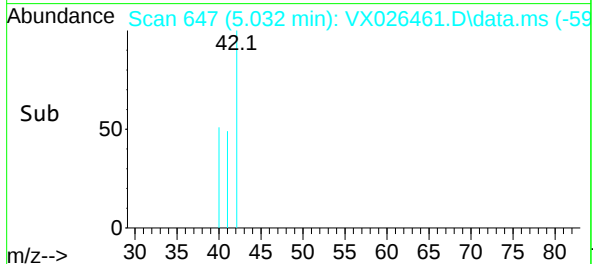
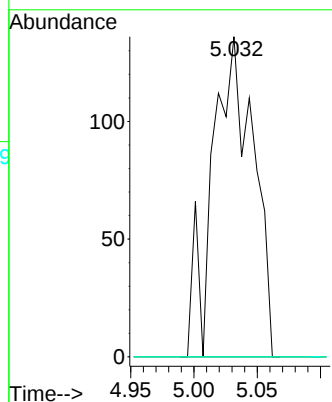
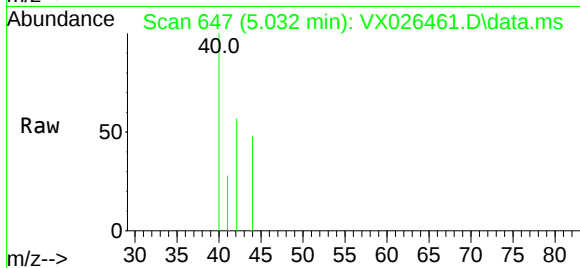
Tgt Ion: 42 Resp: 307

Ion Ratio Lower Upper

42 100

72 0.0 34.6 52.0#

71 0.0 31.8 47.8#



#31

Cyclohexane

Concen: 1.009 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX026461.D

Acq: 14 Jan 2022 18:40

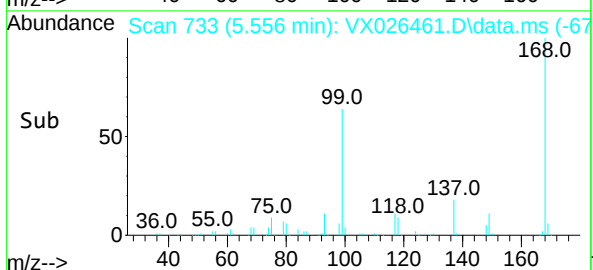
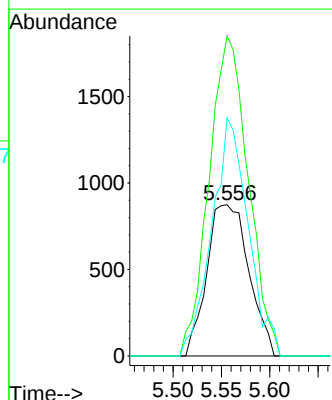
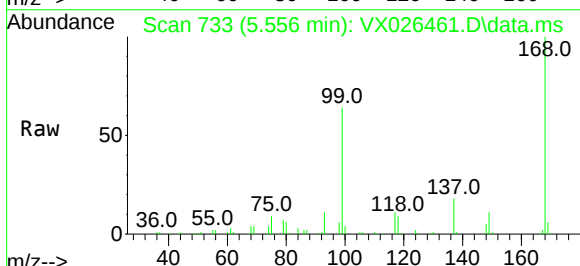
Tgt Ion: 56 Resp: 2644

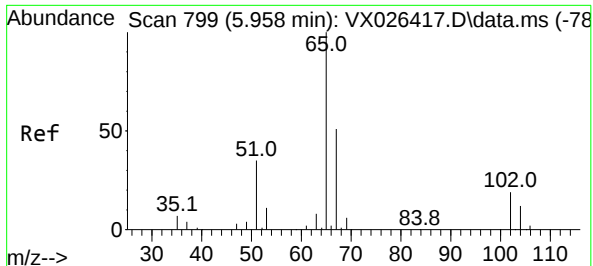
Ion Ratio Lower Upper

56 100

69 211.8 25.8 38.6#

84 157.6 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 48.949 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX026461.D

Acq: 14 Jan 2022 18:40

Instrument :

MSVOA_X

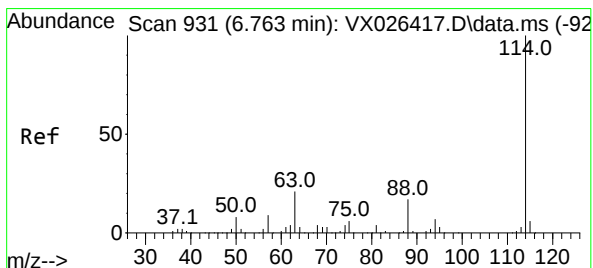
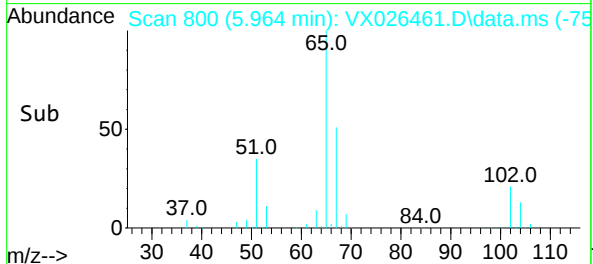
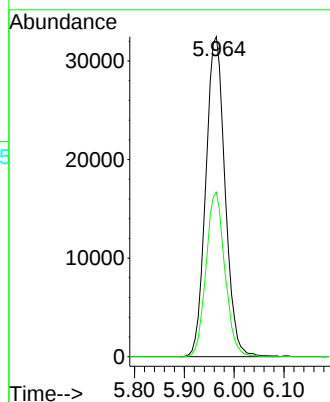
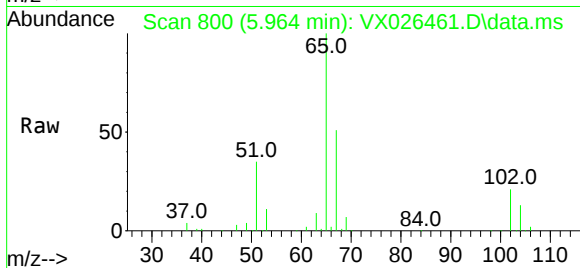
ClientSampleId :

Tgt Ion: 65 Resp: 86927

Ion Ratio Lower Upper

65 100

67 50.3 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX026461.D

Acq: 14 Jan 2022 18:40

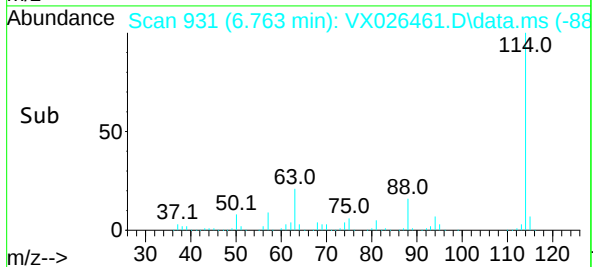
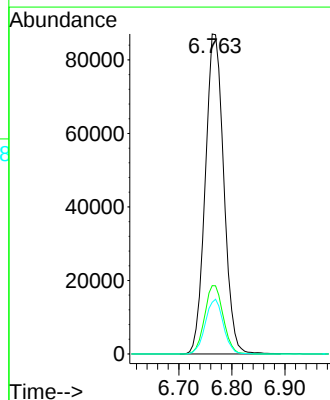
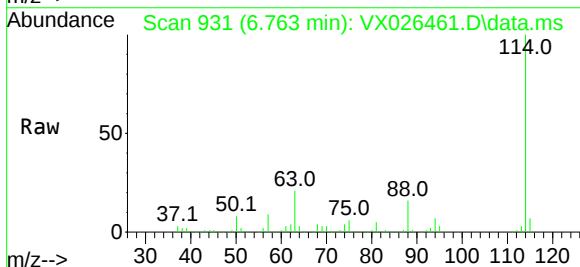
Tgt Ion: 114 Resp: 210687

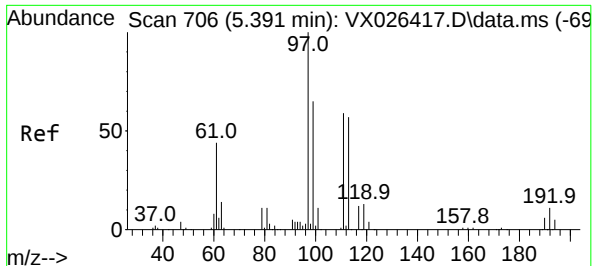
Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.8

88 16.2 0.0 33.0





#35

Dibromofluoromethane

Concen: 49.347 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

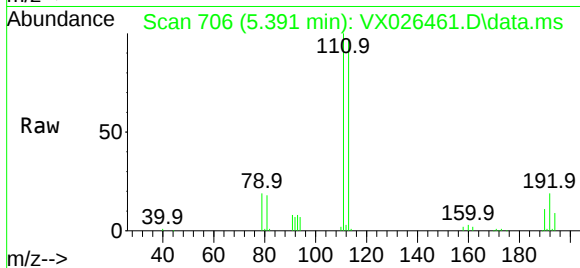
Lab File: VX026461.D

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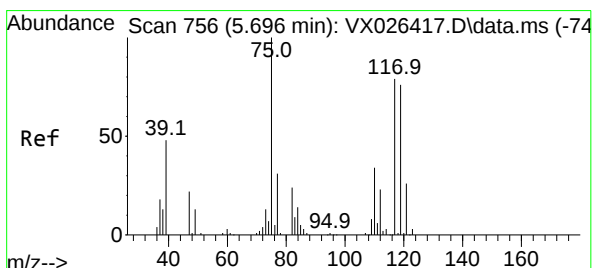
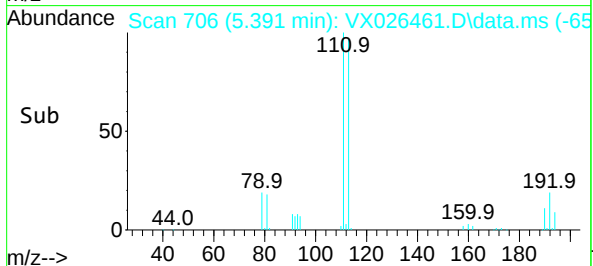
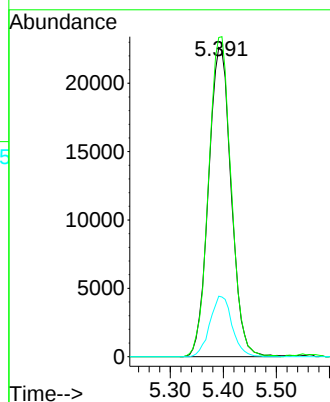
Tgt Ion:113 Resp: 67139

Ion Ratio Lower Upper

113 100

111 102.6 81.2 121.8

192 19.1 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.823 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX026461.D

Acq: 14 Jan 2022 18:40

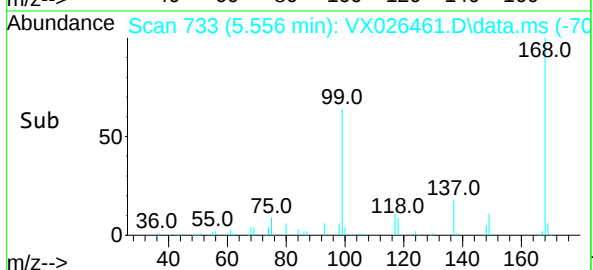
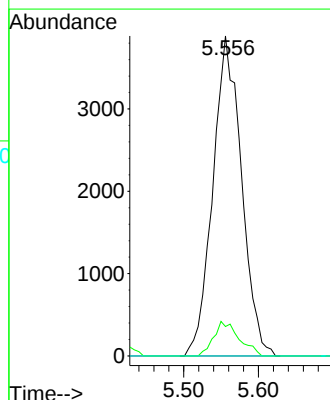
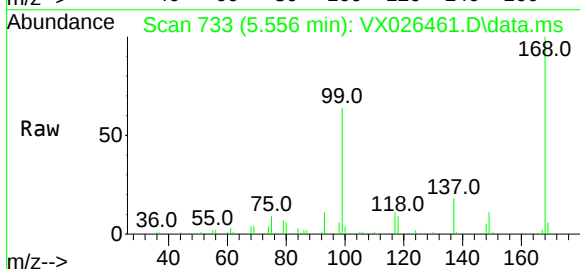
Tgt Ion: 75 Resp: 10359

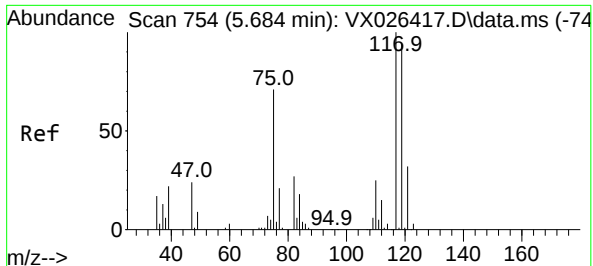
Ion Ratio Lower Upper

75 100

110 9.5 17.2 51.6#

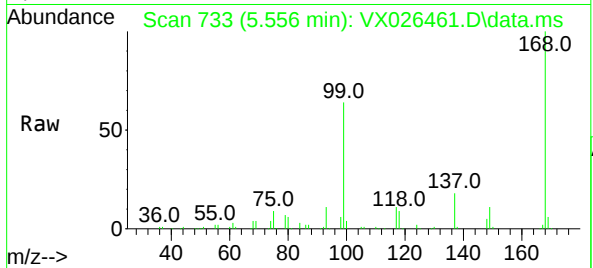
77 0.0 24.6 36.8#



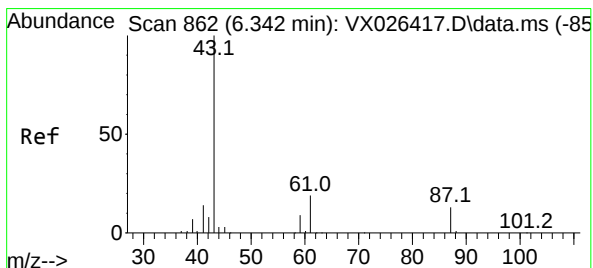
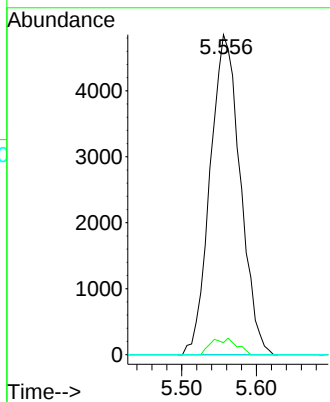
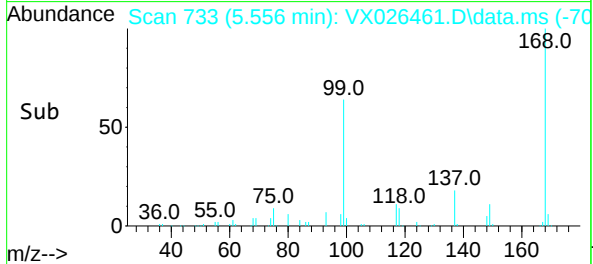


#38
Carbon Tetrachloride
Concen: 6.155 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX026461.D
Acq: 14 Jan 2022 18:40

Instrument :
MSVOA_X
ClientSampleId :

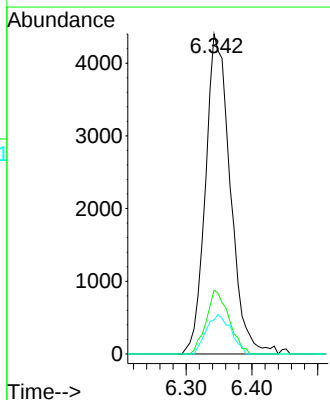
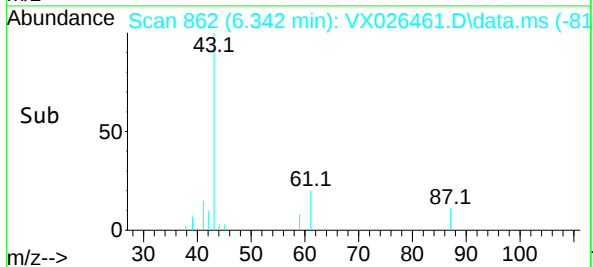
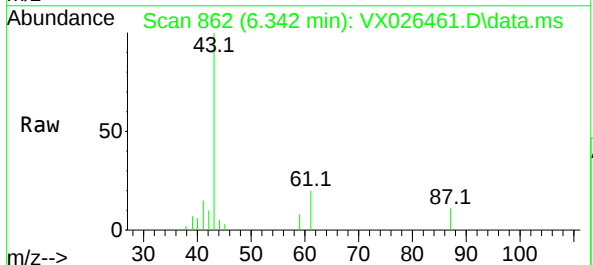


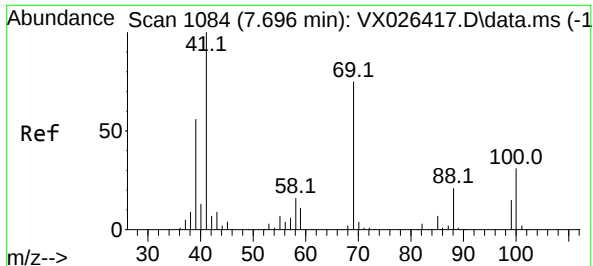
Tgt Ion:117 Resp: 13598
Ion Ratio Lower Upper
117 100
119 3.8 74.7 112.1#
121 0.0 25.4 38.0#



#43
Isopropyl Acetate
Concen: 3.293 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX026461.D
Acq: 14 Jan 2022 18:40

Tgt Ion: 43 Resp: 11557
Ion Ratio Lower Upper
43 100
61 18.2 15.4 23.0
87 12.2 10.2 15.2





#48

Methyl methacrylate

Concen: 2.008 ug/l

RT: 7.598 min Scan# 1068

Delta R.T. -0.098 min

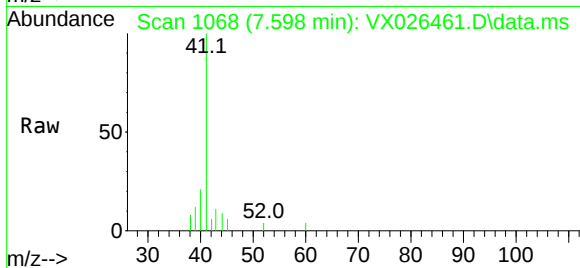
Lab File: VX026461.D

Acq: 14 Jan 2022 18:40

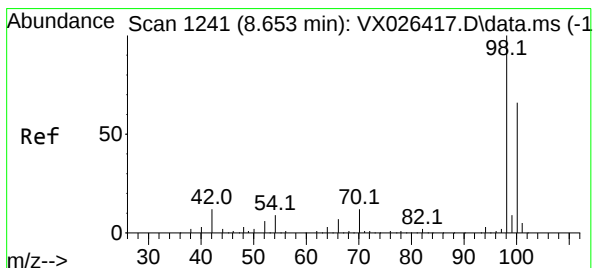
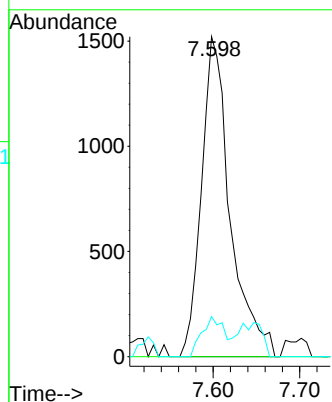
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	41	Resp:	3492
Ion	Ratio	Lower	Upper
41	100		
69	0.0	62.2	93.4#
39	0.0	45.4	68.0#



#50

Toluene-d8

Concen: 50.681 ug/l

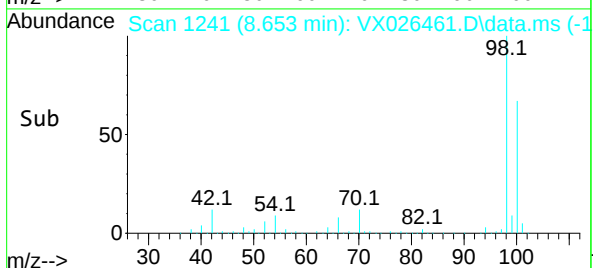
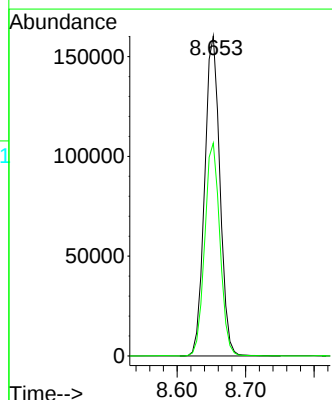
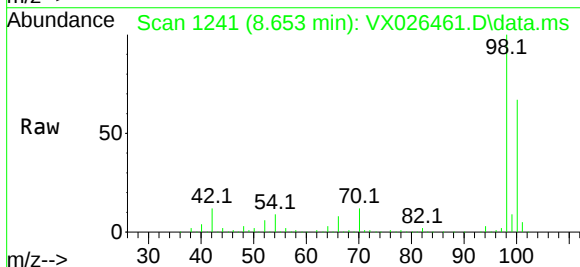
RT: 8.653 min Scan# 1241

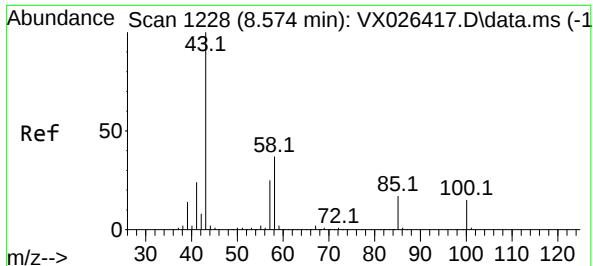
Delta R.T. 0.000 min

Lab File: VX026461.D

Acq: 14 Jan 2022 18:40

Tgt Ion:	98	Resp:	248479
Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.2	79.8

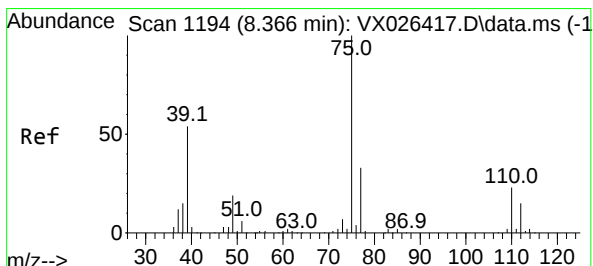
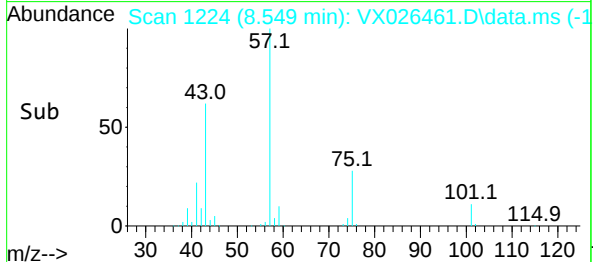
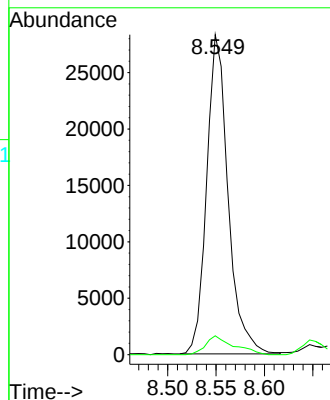
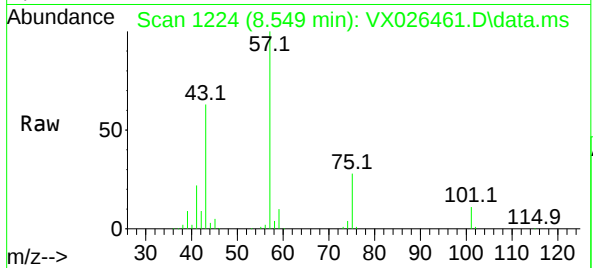




#51
4-Methyl-2-Pentanone
Concen: 20.967 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX026461.D
Acq: 14 Jan 2022 18:40

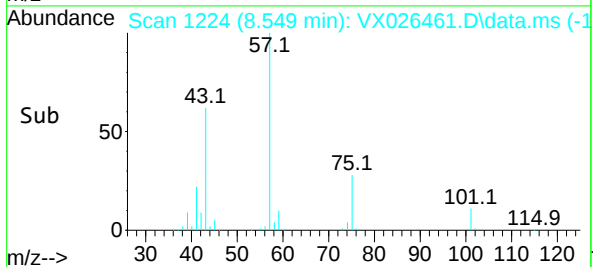
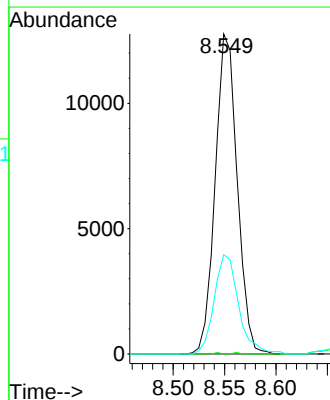
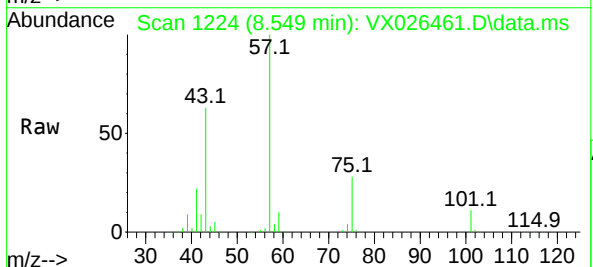
Instrument :
MSVOA_X
ClientSampleId :

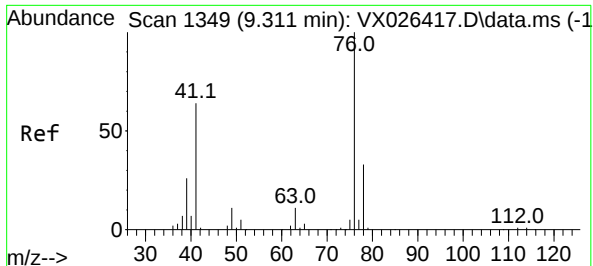
Tgt Ion: 43 Resp: 43646
Ion Ratio Lower Upper
43 100
58 7.7 30.5 45.7#



#54
cis-1,3-Dichloropropene
Concen: 8.371 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX026461.D
Acq: 14 Jan 2022 18:40

Tgt Ion: 75 Resp: 18977
Ion Ratio Lower Upper
75 100
77 0.0 26.2 39.2#
39 31.0 43.5 65.3#





#57

1,3-Dichloropropane

Concen: 4.689 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX026461.D

Acq: 14 Jan 2022 18:40

Instrument :

MSVOA_X

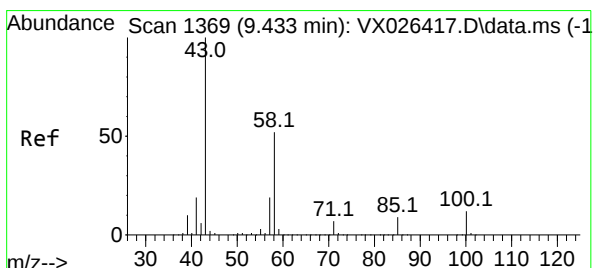
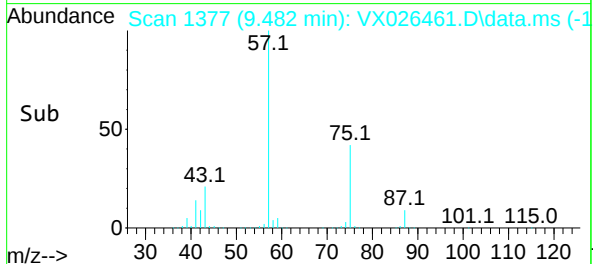
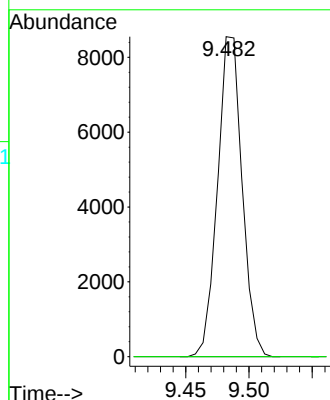
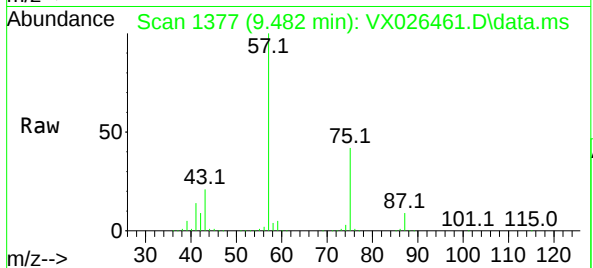
ClientSampleId :

Tgt Ion: 76 Resp: 11550

Ion Ratio Lower Upper

76 100

78 0.0 25.7 38.5#



#59

2-Hexanone

Concen: 103.513 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX026461.D

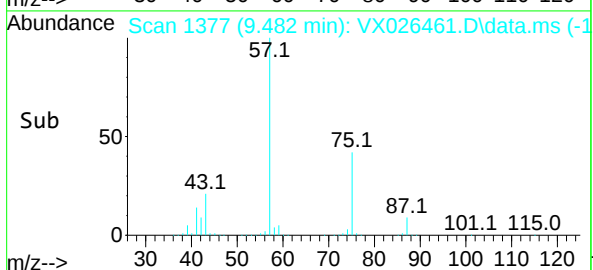
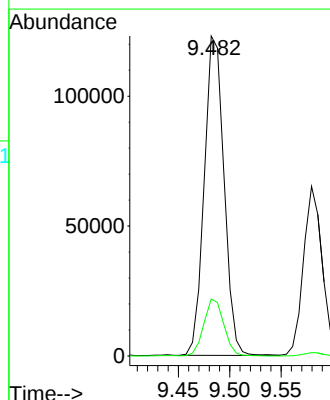
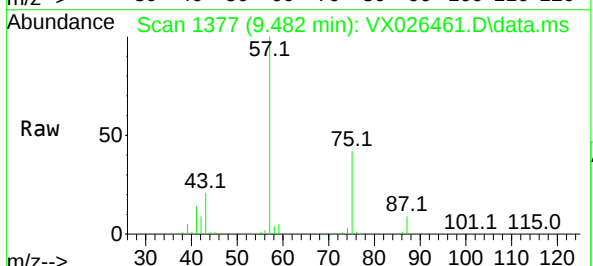
Acq: 14 Jan 2022 18:40

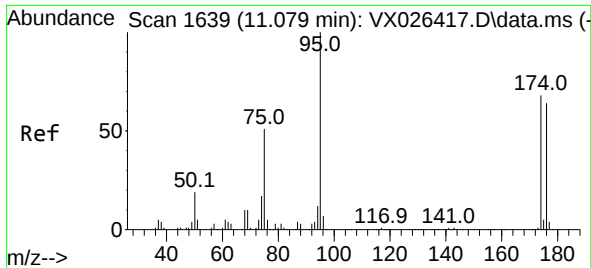
Tgt Ion: 43 Resp: 164925

Ion Ratio Lower Upper

43 100

58 18.0 26.4 79.2#

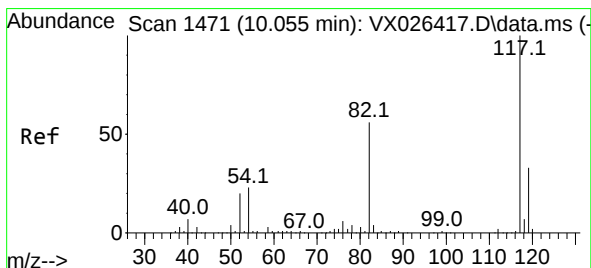
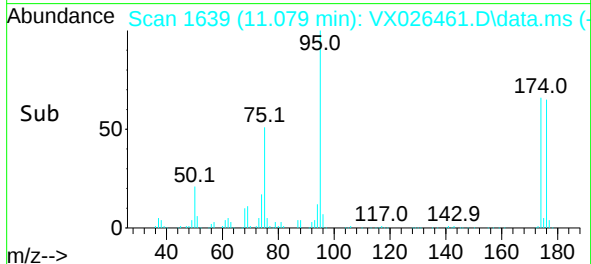
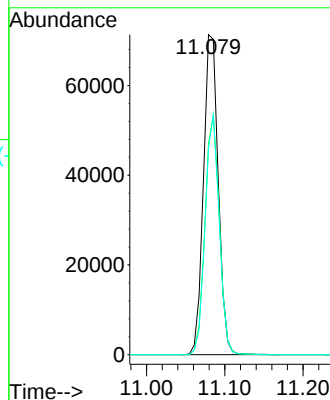
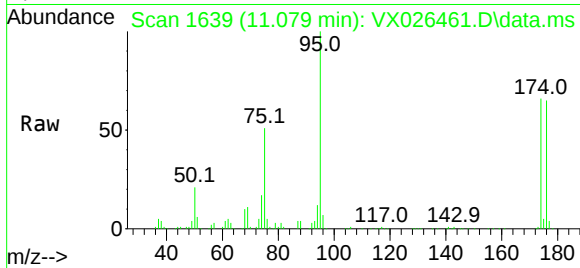




#62
4-Bromofluorobenzene
Concen: 53.723 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX026461.D
Acq: 14 Jan 2022 18:40

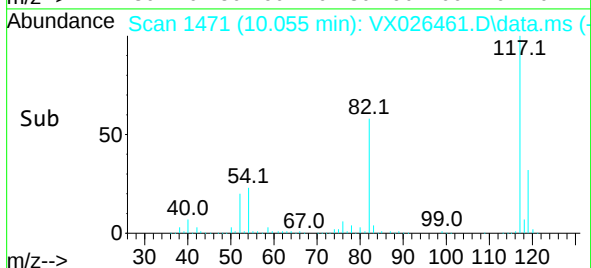
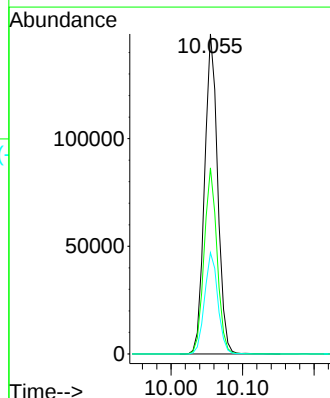
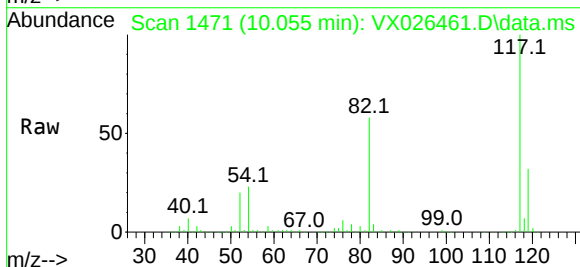
Instrument :
MSVOA_X
ClientSampleId :

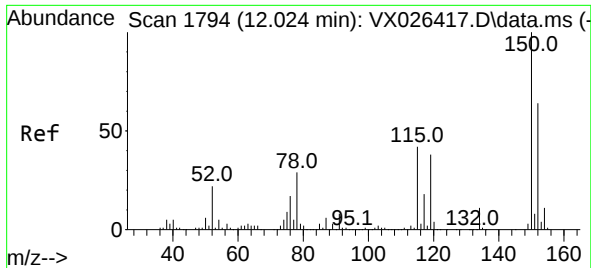
Tgt Ion: 95 Resp: 93568
Ion Ratio Lower Upper
95 100
174 72.8 0.0 148.6
176 71.3 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX026461.D
Acq: 14 Jan 2022 18:40

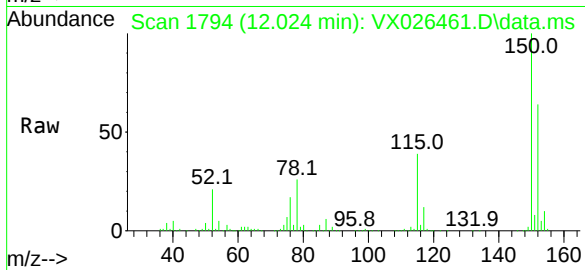
Tgt Ion: 117 Resp: 189322
Ion Ratio Lower Upper
117 100
82 58.1 45.2 67.8
119 31.7 26.2 39.2



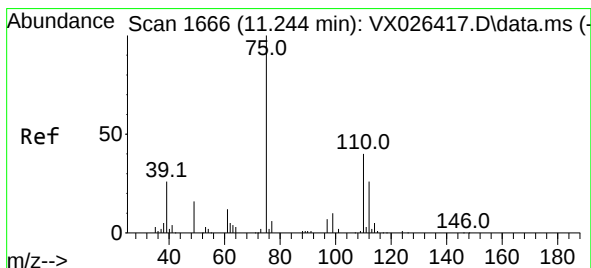
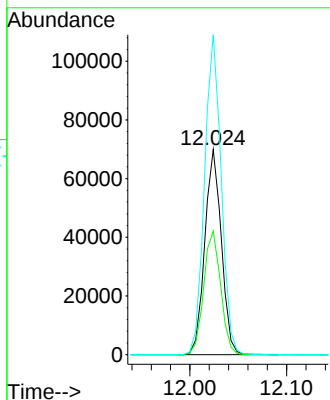
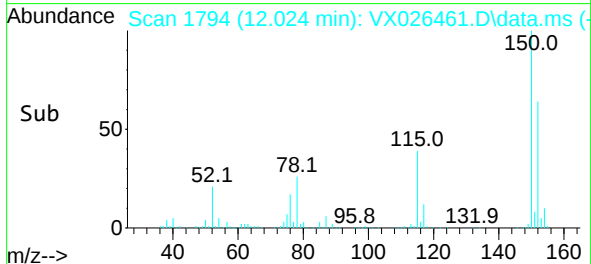


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX026461.D
 Acq: 14 Jan 2022 18:40

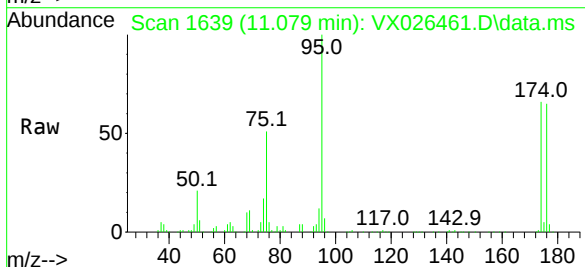
Instrument :
 MSVOA_X
 ClientSampleId :



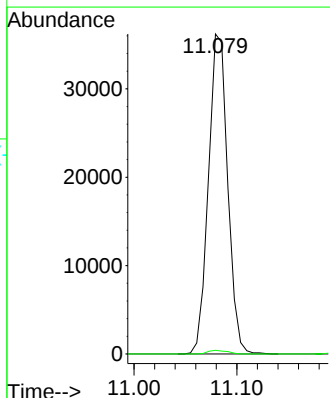
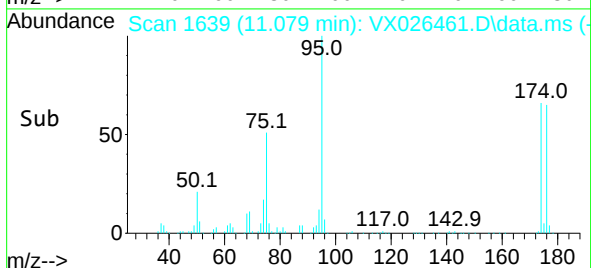
Tgt Ion:152 Resp: 83461
 Ion Ratio Lower Upper
 152 100
 115 61.6 44.2 132.6
 150 156.9 0.0 348.2

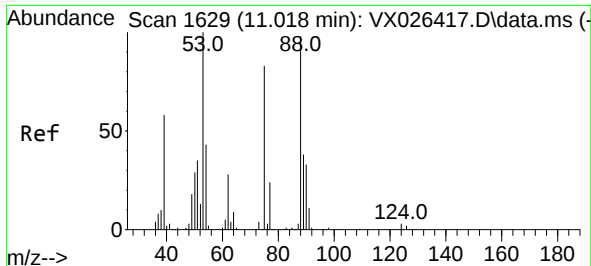


#76
 1,2,3-Trichloropropane
 Concen: 25.711 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX026461.D
 Acq: 14 Jan 2022 18:40



Tgt Ion: 75 Resp: 47248
 Ion Ratio Lower Upper
 75 100
 77 1.1 18.3 54.8#

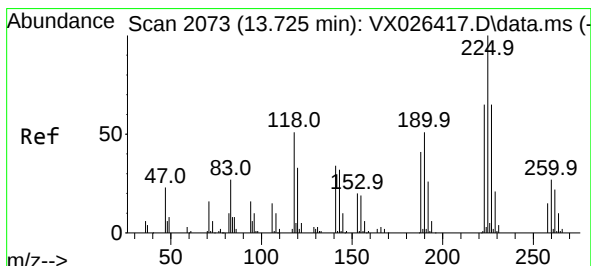
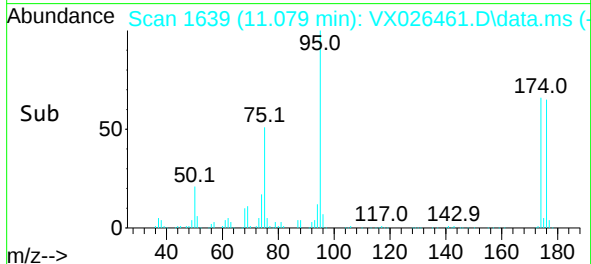
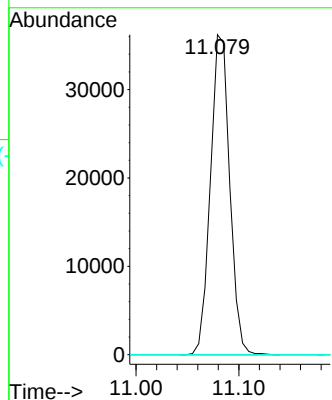
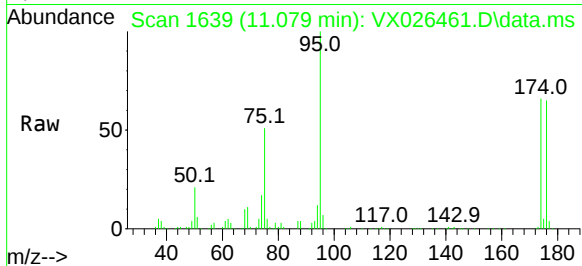




#81
trans-1,4-Dichloro-2-butene
Concen: 78.011 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX026461.D
Acq: 14 Jan 2022 18:40

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 47248
Ion Ratio Lower Upper
75 100
53 0.0 94.0 141.0#
89 0.0 37.0 55.4#



#94
Hexachlorobutadiene
Concen: 0.226 ug/l
RT: 13.731 min Scan# 2074
Delta R.T. 0.006 min
Lab File: VX026461.D
Acq: 14 Jan 2022 18:40

Tgt Ion: 225 Resp: 170
Ion Ratio Lower Upper
225 100
223 44.1 32.0 96.0
227 35.3 32.3 96.9

