

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072320\
 Data File : VX017510.D
 Acq On : 23 Jul 2020 23:12
 Operator : JC/SP
 Sample : PB130403TB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB130403TB

Quant Time: Jul 24 06:03:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 24 05:48:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	482651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	758496	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	826747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	453868	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	348873	56.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.54%	
35) Dibromofluoromethane	5.47	113	273122	53.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.68%	
50) Toluene-d8	8.70	98	927012	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
62) 4-Bromofluorobenzene	11.12	95	425239	58.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	812	Below Cal	#	28
3) Chloromethane	1.31	50	913	0.519	ug/l #	1
4) Vinyl Chloride	1.39	62	1545	0.254	ug/l #	88
5) Bromomethane	1.64	94	1366	Below Cal		96
6) Chloroethane	1.72	64	270	Below Cal	#	44
8) Diethyl Ether	2.17	74	2011	Below Cal		71
10) Methyl Iodide	2.49	142	1602	0.239	ug/l #	74
11) Tert butyl alcohol	3.01	59	2181	1.669	ug/l #	62
12) 1,1-Dichloroethene	2.35	96	1582	0.317	ug/l #	14
13) Acrolein	2.27	56	1236	5.367	ug/l	99
15) Acrylonitrile	3.12	53	1723	0.611	ug/l #	80
16) Acetone	2.42	43	72039	26.400	ug/l	93
17) Carbon Disulfide	2.55	76	6929	0.457	ug/l #	83
18) Methyl Acetate	2.76	43	6821	1.061	ug/l #	79
20) Methylene Chloride	2.83	84	38743	6.419	ug/l	94
21) trans-1,2-Dichloroethene	3.14	96	1747	0.327	ug/l #	62
23) Vinyl Acetate	3.79	43	3145	0.212	ug/l #	59
25) 2-Butanone	4.65	43	12967	3.345	ug/l	99
27) cis-1,2-Dichloroethene	4.57	96	1377	0.237	ug/l	78
29) Tetrahydrofuran	5.10	42	3930	1.637	ug/l #	70
36) 1,1-Dichloropropene	5.78	75	1792	0.246	ug/l #	54
38) Carbon Tetrachloride	5.63	117	49004	5.547	ug/l #	18
42) 1,2-Dichloroethane	6.17	62	2579	0.302	ug/l	89
43) Isopropyl Acetate	6.41	43	168469	12.828	ug/l	99
44) Trichloroethene	7.20	130	1966	0.323	ug/l	82
48) Methyl methacrylate	7.85	41	243580	37.417	ug/l #	45
49) 1,4-Dioxane	7.73	88	360	2.884	ug/l #	22
51) 4-Methyl-2-Pentanone	8.60	43	144009	18.378	ug/l #	47
53) t-1,3-Dichloropropene	9.02	75	1987	0.216	ug/l #	70
54) cis-1,3-Dichloropropene	8.59	75	58027	6.181	ug/l #	62
58) 2-Chloroethyl Vinyl ether	8.30	63	1557	0.352	ug/l	97
59) 2-Hexanone	9.52	43	158377	26.846	ug/l #	51
64) Tetrachloroethene	9.32	164	1962	0.264	ug/l	96
68) m/p-Xylenes	10.34	106	4717	0.408	ug/l	89

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

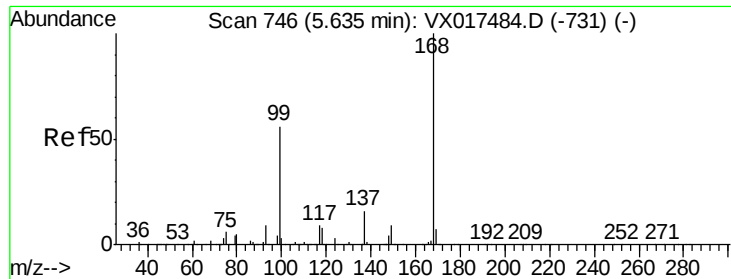
Instrument :
 MSVOA_X
 ClientSampleId :
 PB130403TB

Quant Time: Jul 24 06:03:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

74) N-amy1 acetate	10.80	43	9931	0.718	ug/l #	51
76) 1,2,3-Trichloropropane	11.12	75	223864	23.978	ug/l #	34
77) Bromobenzene	11.24	156	1760	0.202	ug/l	87
78) n-propylbenzene	11.34	91	8164	0.232	ug/l	93
79) 2-Chlorotoluene	11.41	91	4456	0.205	ug/l	97
80) 1,3,5-Trimethylbenzene	11.49	105	18654	0.702	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.12	75	223864	60.419	ug/l #	12
82) 4-Chlorotoluene	11.49	91	8240	0.321	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	5734	0.217	ug/l	100
85) sec-Butylbenzene	11.93	105	6927	0.234	ug/l	98
86) p-Isopropyltoluene	12.05	119	7413	0.263	ug/l #	75
87) 1,3-Dichlorobenzene	12.01	146	5270	0.352	ug/l	91
88) 1,4-Dichlorobenzene	12.01	146	5270	0.340	ug/l	89
89) n-Butylbenzene	12.37	91	8965	0.357	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	4017	0.273	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.24	75	122	2.619	ug/l	60
93) 1,2,4-Trichlorobenzene	13.63	180	6248	0.622	ug/l	99
94) Hexachlorobutadiene	13.76	225	3063	0.663	ug/l	91
95) Naphthalene	13.82	128	10985	0.366	ug/l #	87
96) 1,2,3-Trichlorobenzene	14.00	180	4734	0.478	ug/l	89

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017510.D

Acq: 23 Jul 2020 23:12

Instrument :

MSVOA_X

ClientSampleId :

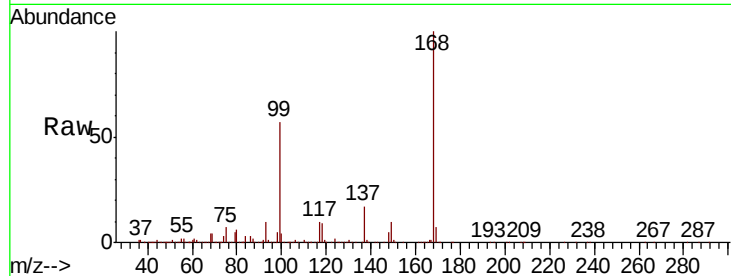
PB130403TB

Tot Ion:168 Resp: 482651

Ion Ratio Lower Upper

168 100

99 57.2 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

200000

150000

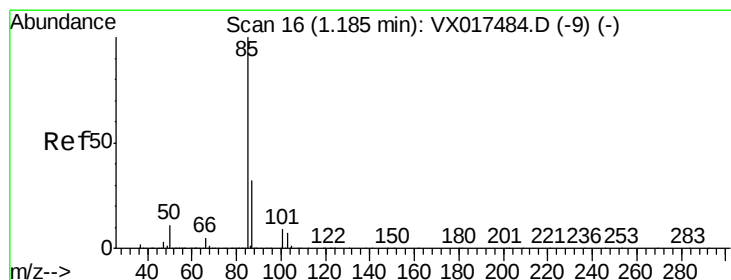
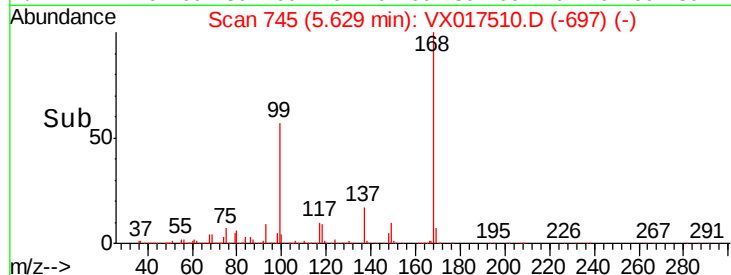
100000

50000

0

Time-->

5.50 5.60 5.70



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017510.D

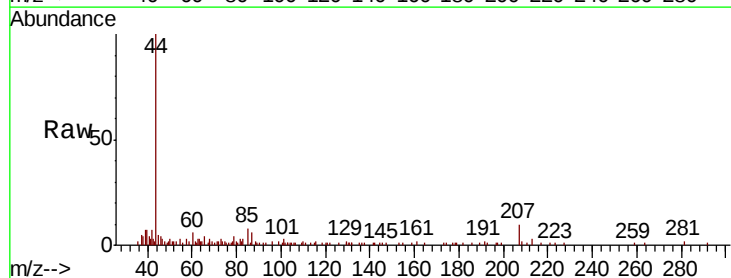
Acq: 23 Jul 2020 23:12

Tgt Ion: 85 Resp: 812

Ion Ratio Lower Upper

85 100

87 72.3 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

600

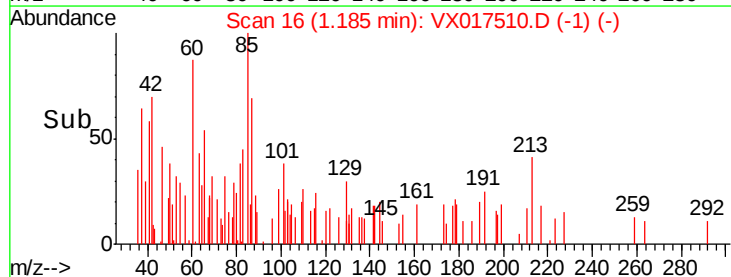
400

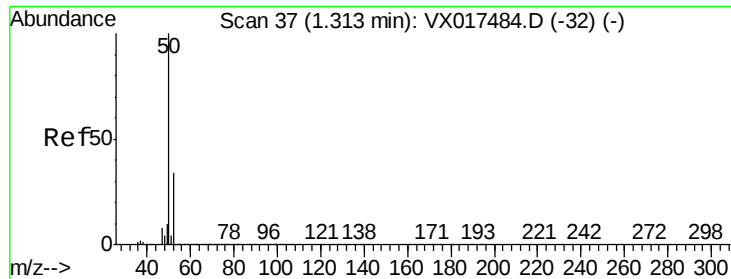
200

0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 0.519 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017510.D

Acq: 23 Jul 2020 23:12

Instrument :

MSVOA_X

ClientSampled :

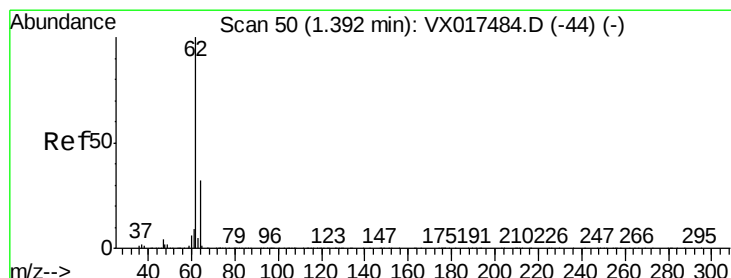
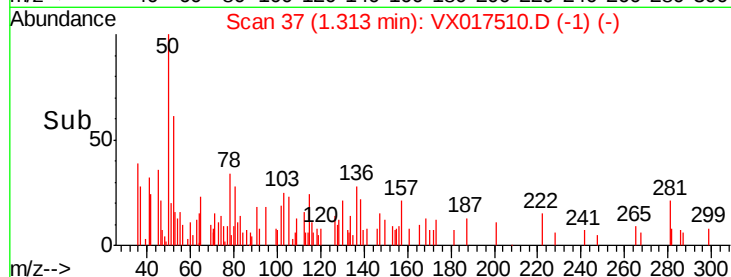
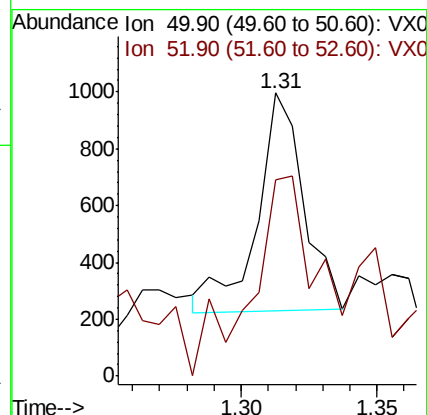
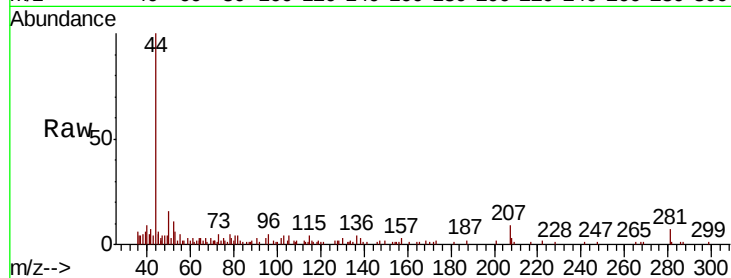
PB130403TB

Tot Ion: 50 Resp: 913

Ion Ratio Lower Upper

50 100

52 97.1 25.9 38.9#



#4

Vinyl Chloride

Concen: 0.254 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017510.D

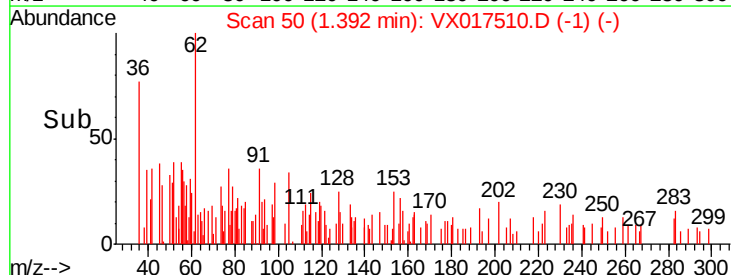
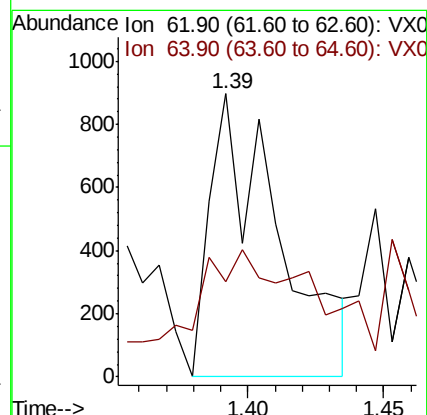
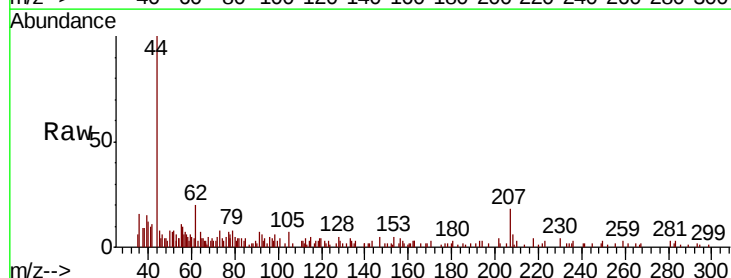
Acq: 23 Jul 2020 23:12

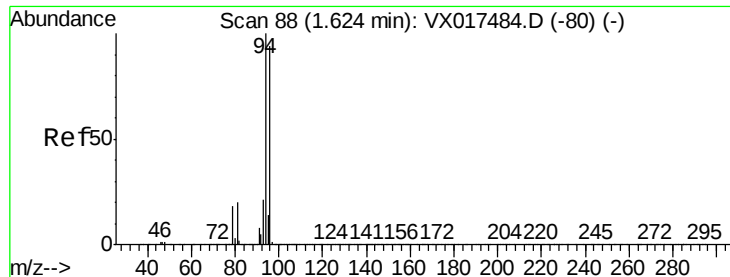
Tgt Ion: 62 Resp: 1545

Ion Ratio Lower Upper

62 100

64 38.0 25.2 37.8#





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX017510.D

Acq: 23 Jul 2020 23:12

Instrument :

MSVOA_X

ClientSampled :

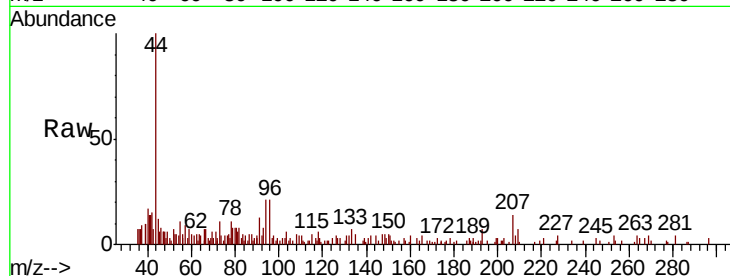
PB130403TB

Tot Ion: 94 Resp: 1366

Ion Ratio Lower Upper

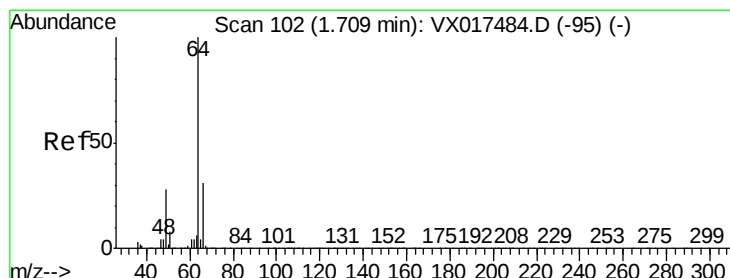
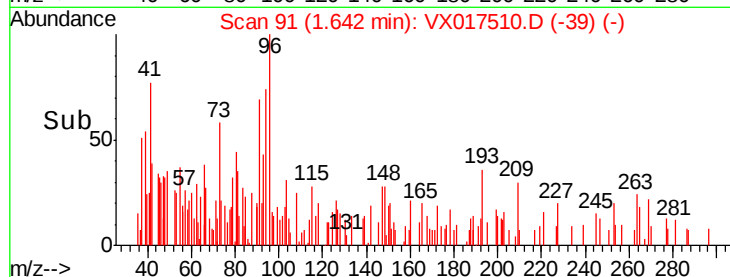
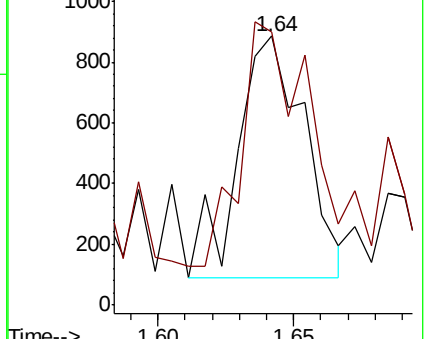
94 100

96 96.2 74.1 111.1



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 104

Delta R.T. 0.01 min

Lab File: VX017510.D

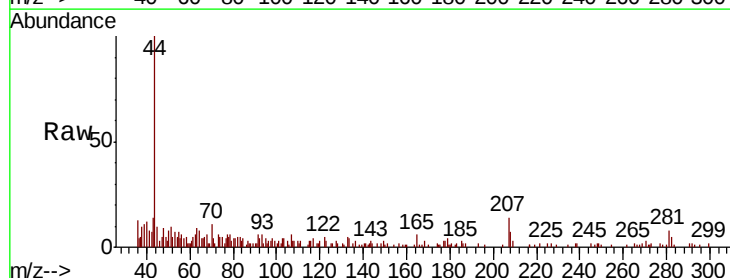
Acq: 23 Jul 2020 23:12

Tgt Ion: 64 Resp: 270

Ion Ratio Lower Upper

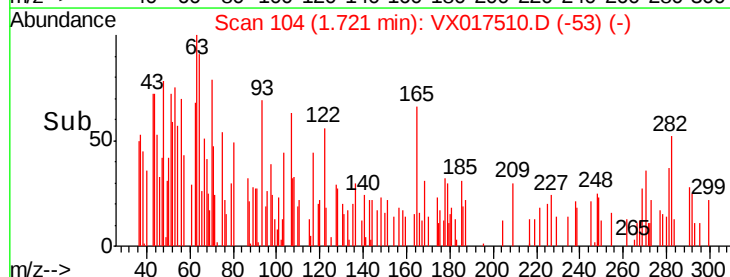
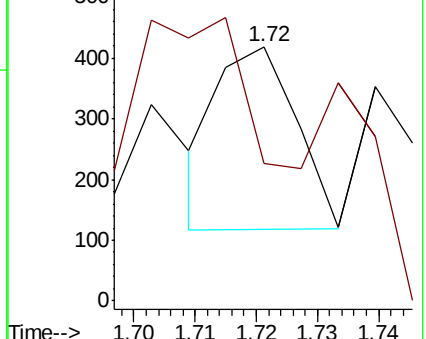
64 100

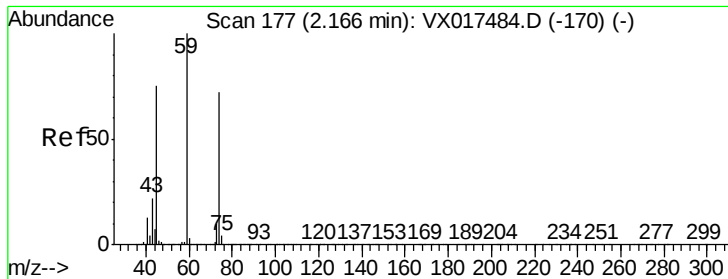
66 0.0 24.9 37.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#8

Diethyl Ether

Concen: Below Cal

RT: 2.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VX017510.D

Acq: 23 Jul 2020 23:12

Instrument :

MSVOA_X

ClientSampled :

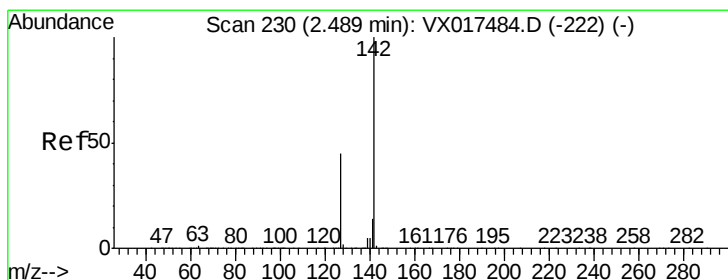
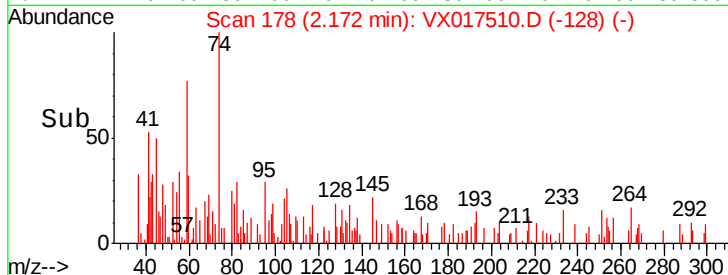
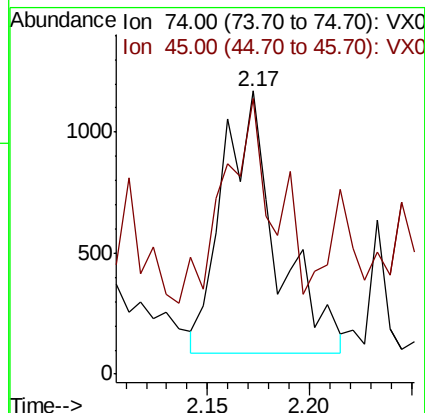
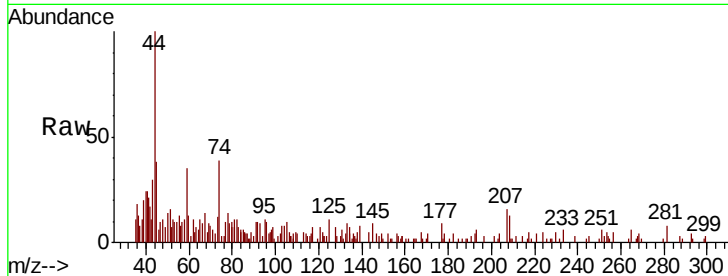
PB130403TB

Tot Ion: 74 Resp: 2011

Ion Ratio Lower Upper

74 100

45 72.7 50.8 152.5



#10

Methyl Iodide

Concen: 0.239 ug/l

RT: 2.49 min Scan# 230

Delta R.T. -0.00 min

Lab File: VX017510.D

Acq: 23 Jul 2020 23:12

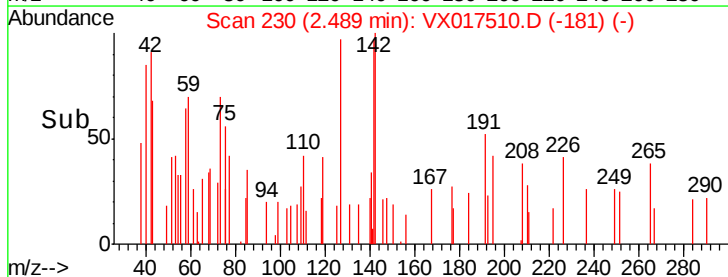
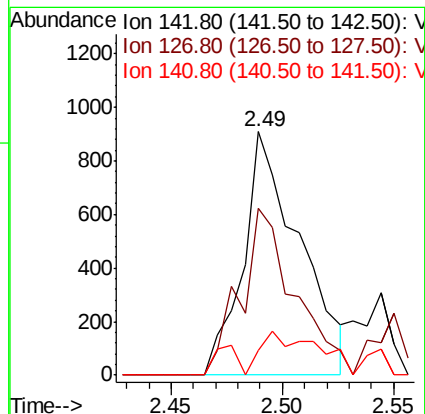
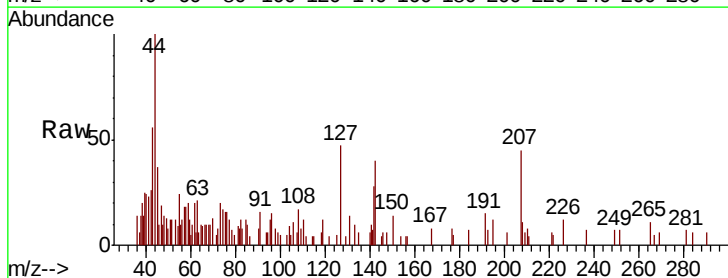
Tgt Ion: 142 Resp: 1602

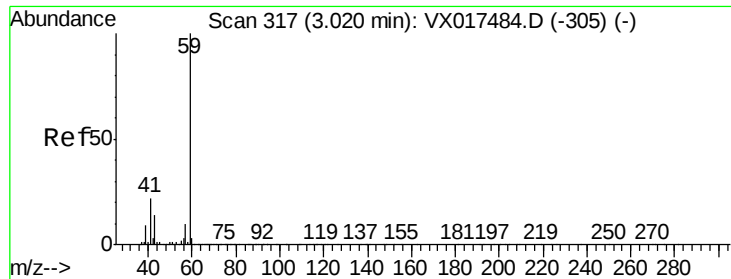
Ion Ratio Lower Upper

142 100

127 65.1 35.9 53.9#

141 18.1 11.4 17.0#



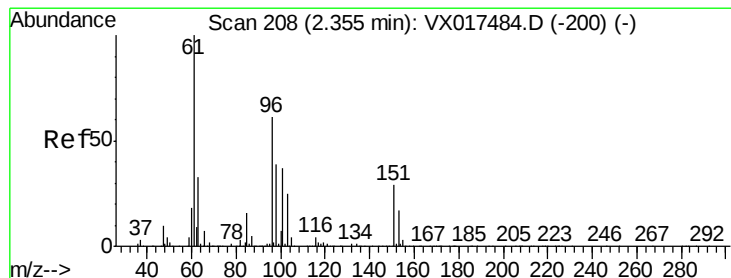
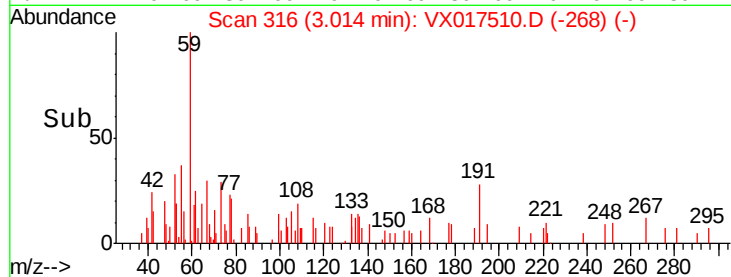
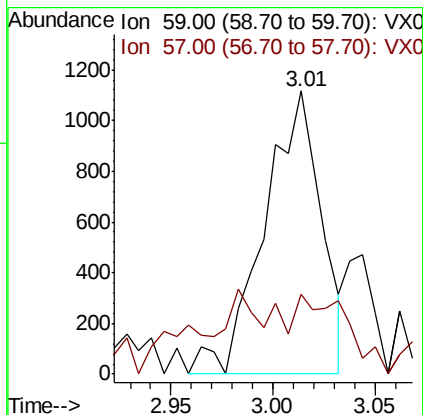
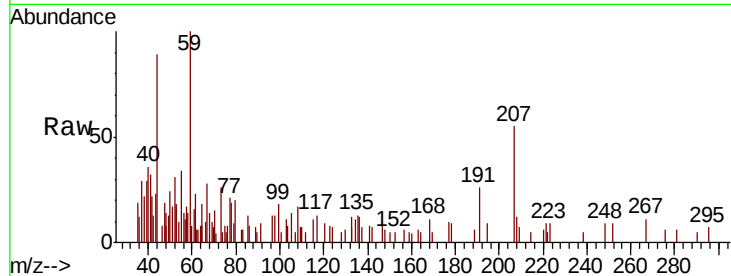


#11

Tert butyl alcohol
 Concen: 1.669 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VX017510.D
 Acq: 23 Jul 2020 23:12

Instrument :
 MSVOA_X
 ClientSampleId :
 PB130403TB

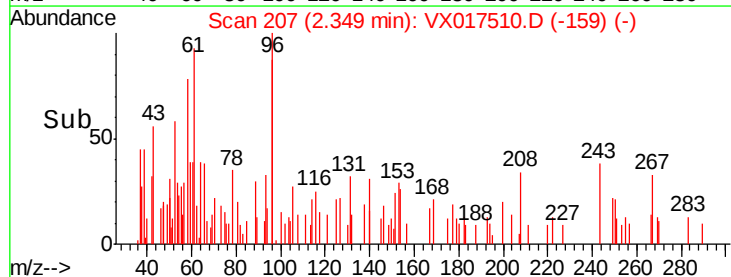
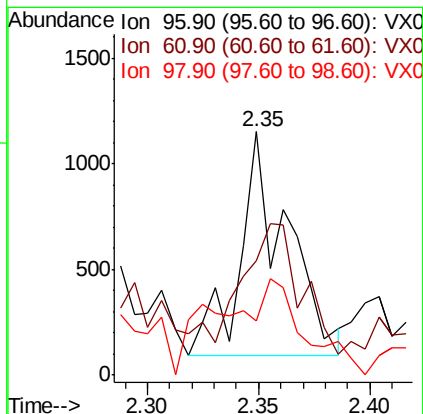
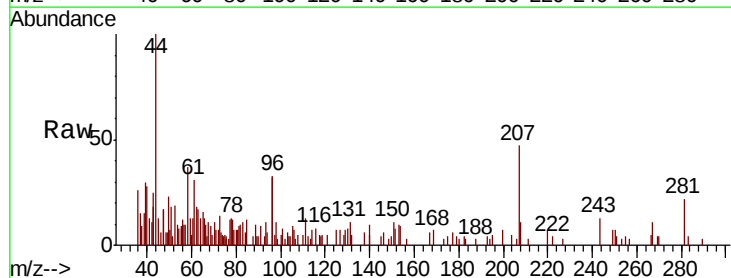
Tot Ion: 59 Resp: 2181
 Ion Ratio Lower Upper
 59 100
 57 25.0 8.6 12.8#

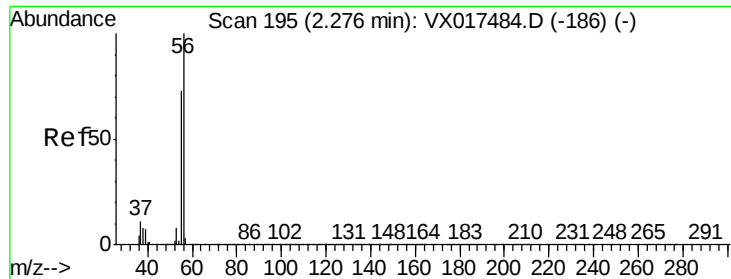


#12

1,1-Dichloroethene
 Concen: 0.317 ug/l
 RT: 2.35 min Scan# 207
 Delta R.T. -0.01 min
 Lab File: VX017510.D
 Acq: 23 Jul 2020 23:12

Tgt Ion: 96 Resp: 1582
 Ion Ratio Lower Upper
 96 100
 61 42.0 134.0 201.0#
 98 9.2 51.0 76.4#





#13

Acrolein

Concen: 5.367 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX017510.D

Acq: 23 Jul 2020 23:12

Instrument :

MSVOA_X

ClientSampleId :

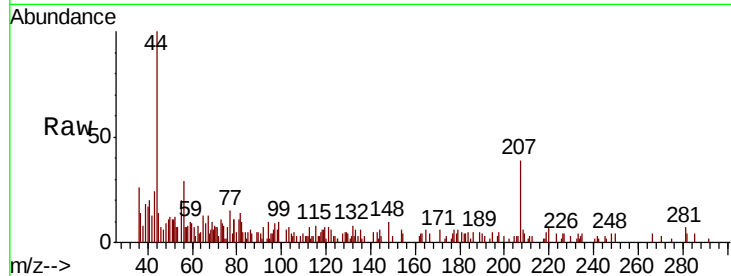
PB130403TB

Tot Ion: 56 Resp: 1236

Ion Ratio Lower Upper

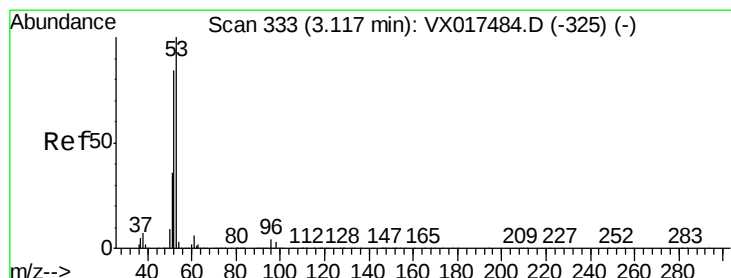
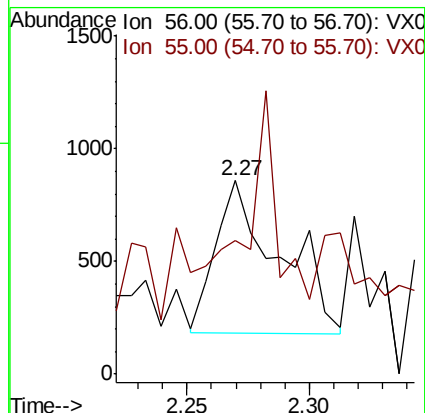
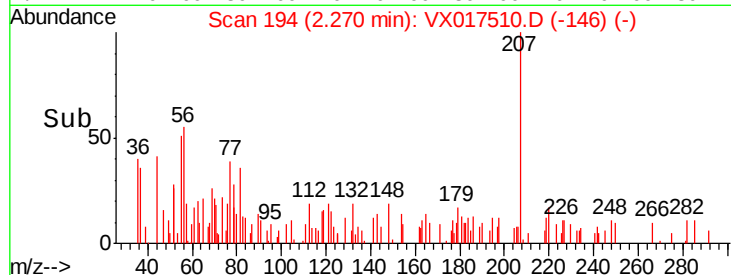
56 100

55 72.6 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.611 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX017510.D

Acq: 23 Jul 2020 23:12

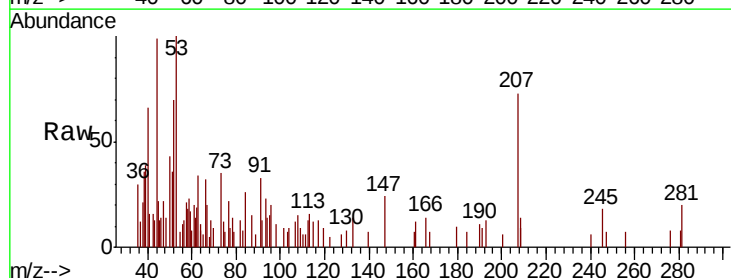
Tgt Ion: 53 Resp: 1723

Ion Ratio Lower Upper

53 100

52 81.7 66.6 99.8

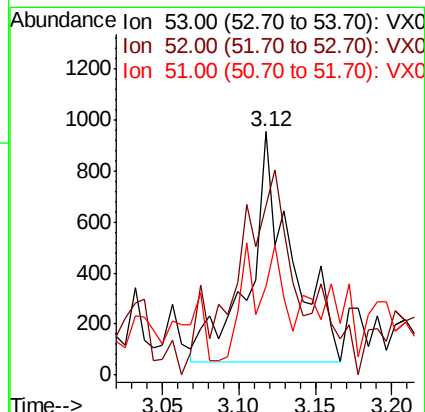
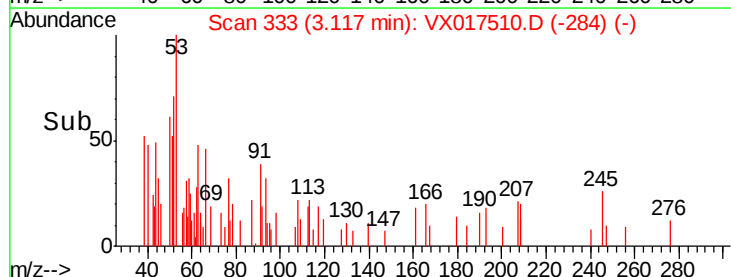
51 0.0 29.4 44.2#

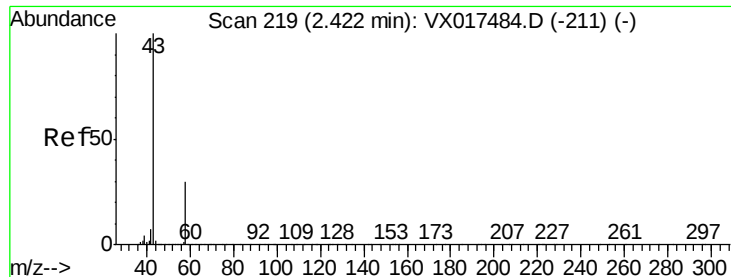


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

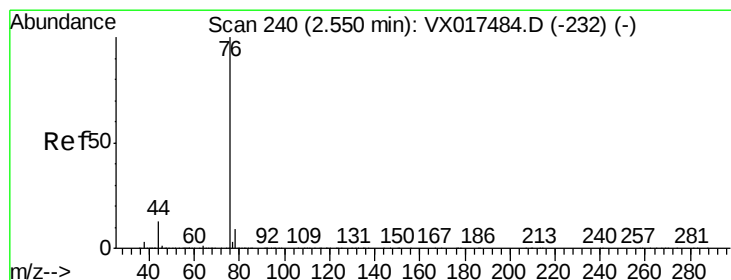
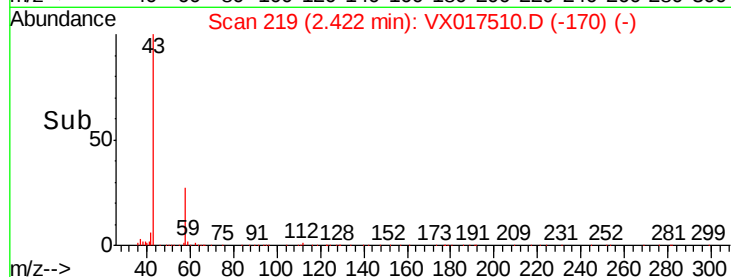
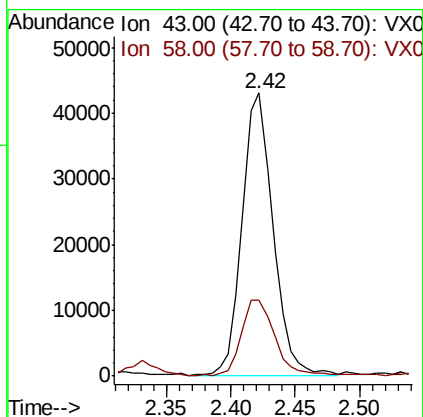
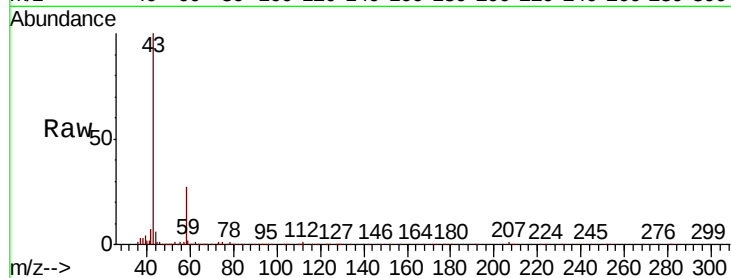




#16
Acetone
Concen: 26.400 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX017510.D
Acq: 23 Jul 2020 23:12

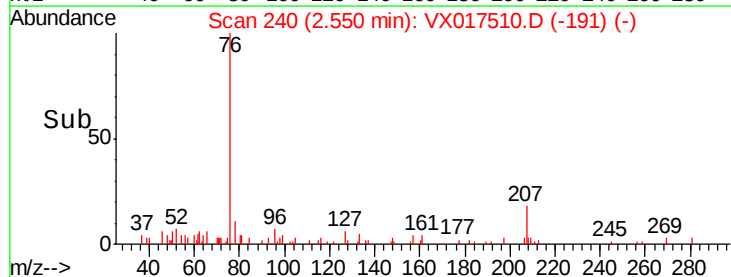
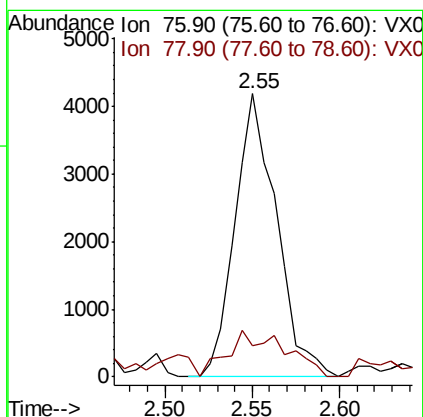
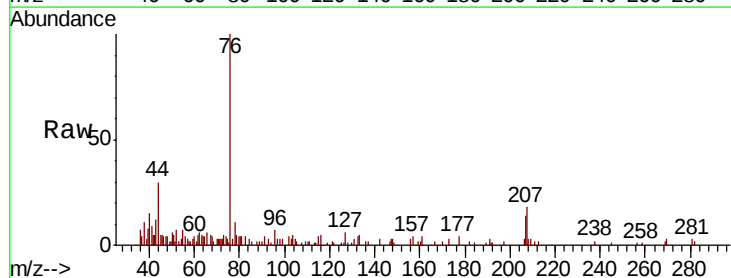
Instrument :
MSVOA_X
ClientSampleId :
PB130403TB

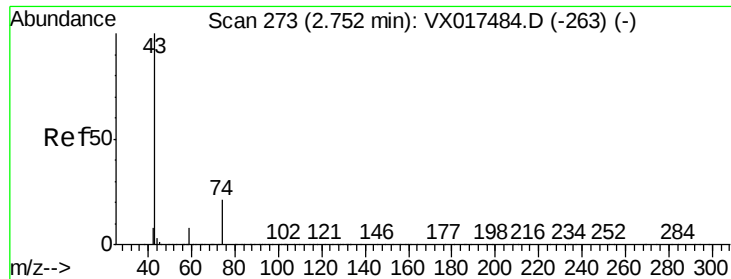
Tot Ion: 43 Resp: 72039
Ion Ratio Lower Upper
43 100
58 26.7 24.2 36.4



#17
Carbon Disulfide
Concen: 0.457 ug/l
RT: 2.55 min Scan# 240
Delta R.T. -0.00 min
Lab File: VX017510.D
Acq: 23 Jul 2020 23:12

Tgt Ion: 76 Resp: 6929
Ion Ratio Lower Upper
76 100
78 15.7 7.5 11.3#

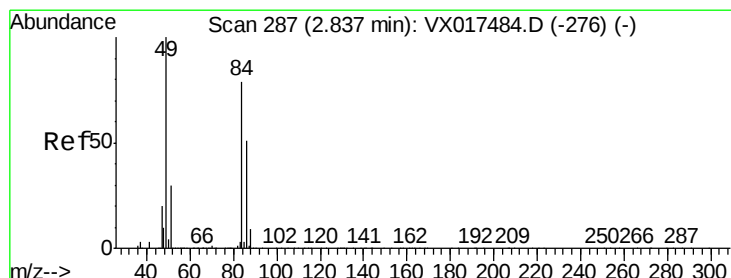
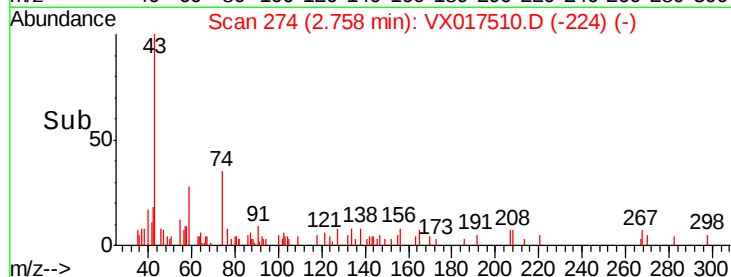
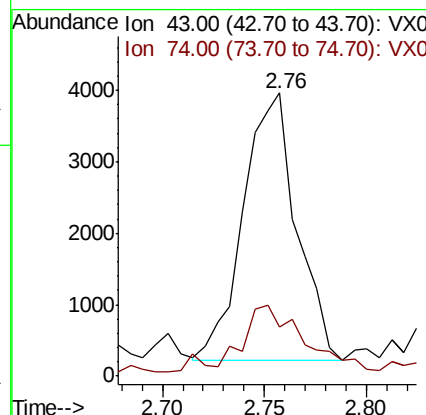
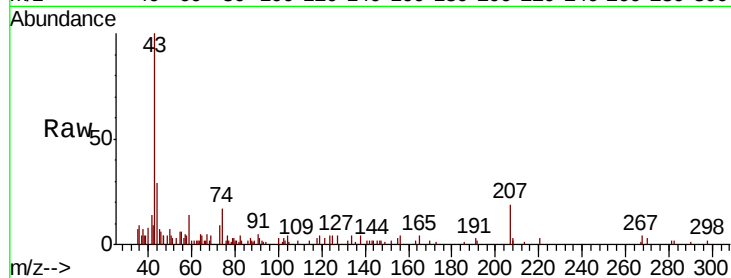




#18
Methyl Acetate
Concen: 1.061 ug/l
RT: 2.76 min Scan# 274
Delta R.T. 0.01 min
Lab File: VX017510.D
Acq: 23 Jul 2020 23:12

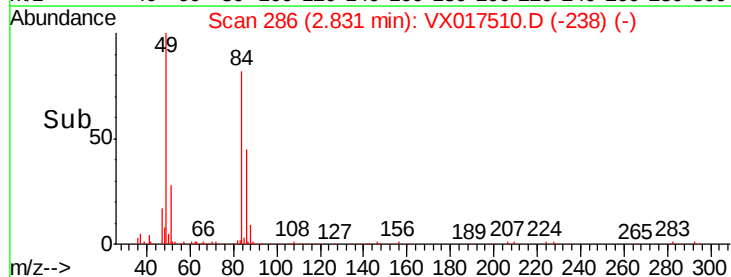
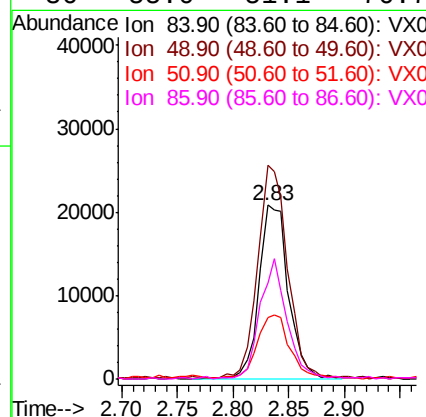
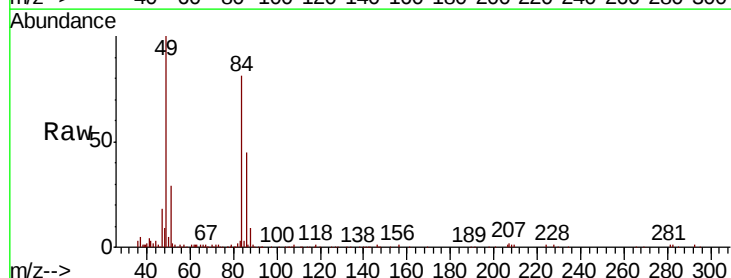
Instrument :
MSVOA_X
ClientSampled :
PB130403TB

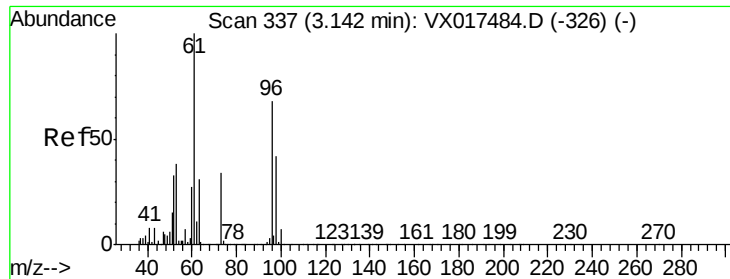
Tot Ion: 43 Resp: 6821
Ion Ratio Lower Upper
43 100
74 32.0 17.5 26.3#



#20
Methylene Chloride
Concen: 6.419 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017510.D
Acq: 23 Jul 2020 23:12

Tgt Ion: 84 Resp: 38743
Ion Ratio Lower Upper
84 100
49 121.9 100.3 150.5
51 34.8 30.5 45.7
86 55.0 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 0.327 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX017510.D

Acq: 23 Jul 2020 23:12

Instrument :

MSVOA_X

ClientSampleId :

PB130403TB

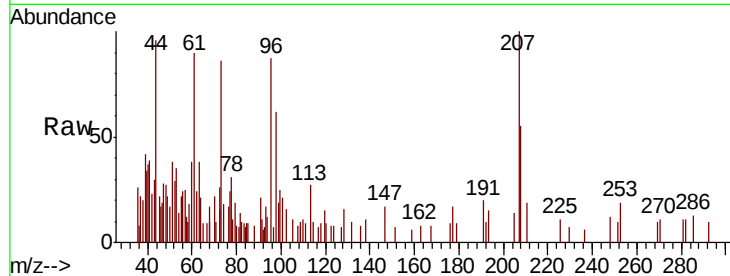
Tot Ion: 96 Resp: 1747

Ion Ratio Lower Upper

96 100

61 80.6 113.0 169.4#

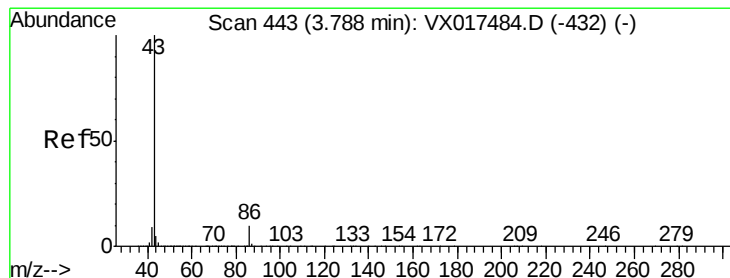
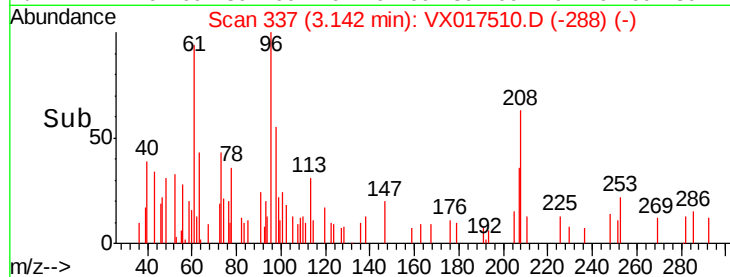
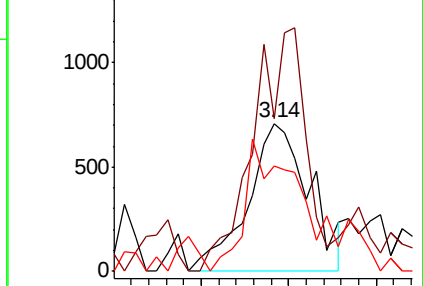
98 54.1 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#23

Vinyl Acetate

Concen: 0.212 ug/l

RT: 3.79 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX017510.D

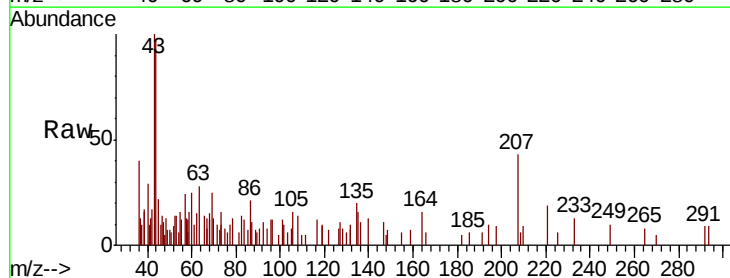
Acq: 23 Jul 2020 23:12

Tgt Ion: 43 Resp: 3145

Ion Ratio Lower Upper

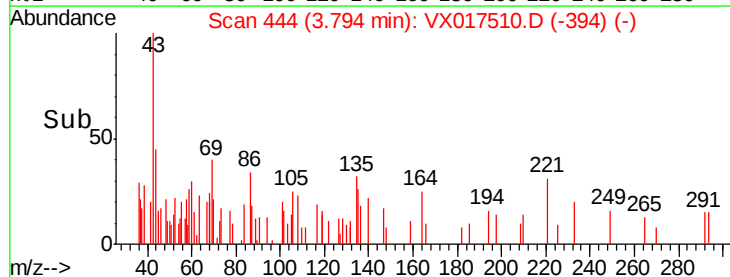
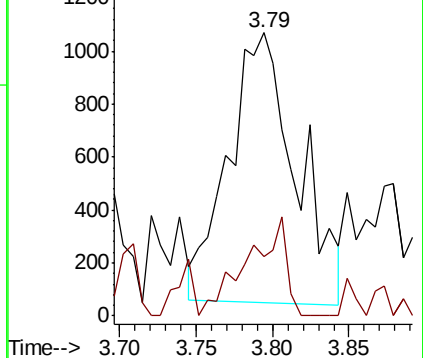
43 100

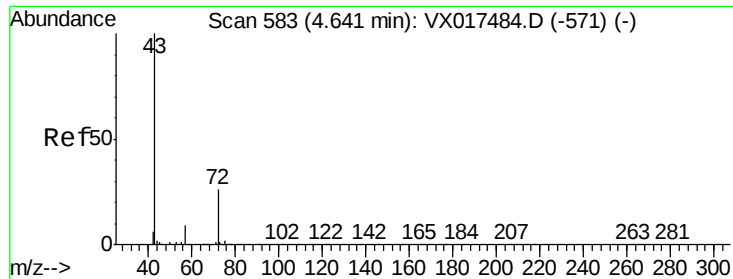
86 25.5 8.2 12.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

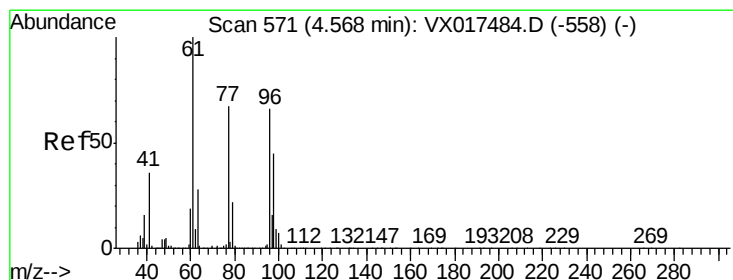
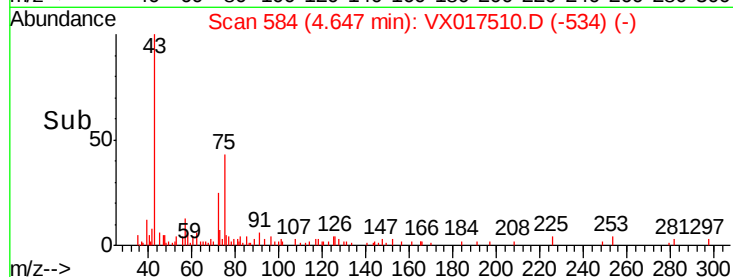
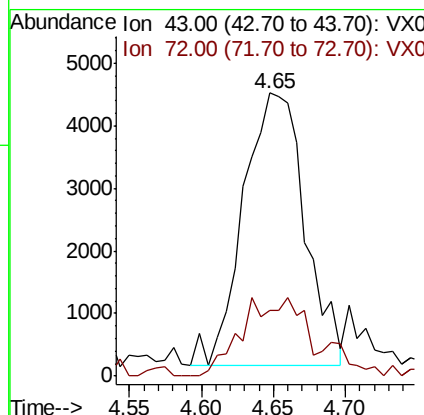
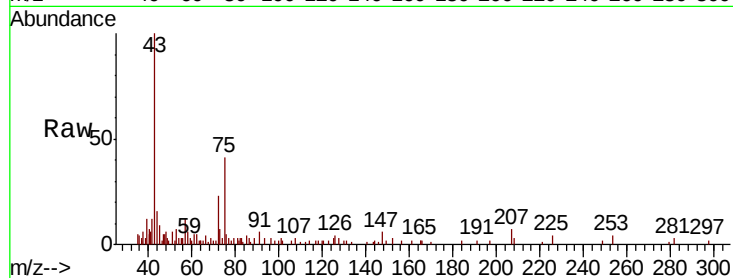




#25
2-Butanone
Concen: 3.345 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX017510.D
Acq: 23 Jul 2020 23:12

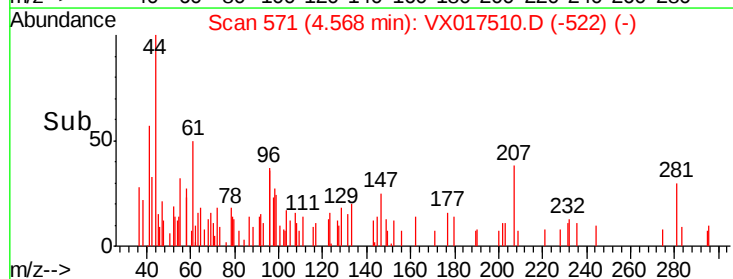
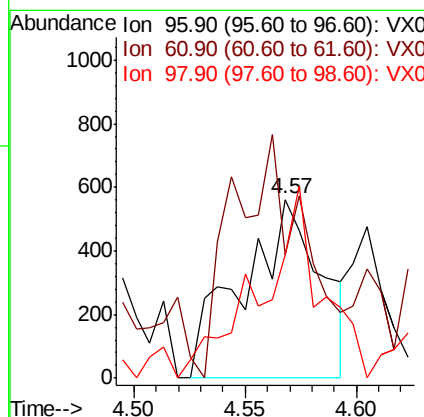
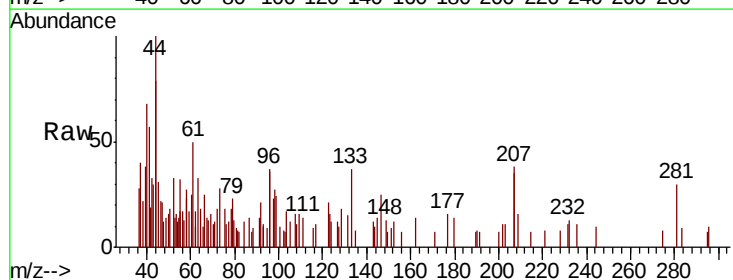
Instrument :
MSVOA_X
ClientSampled :
PB130403TB

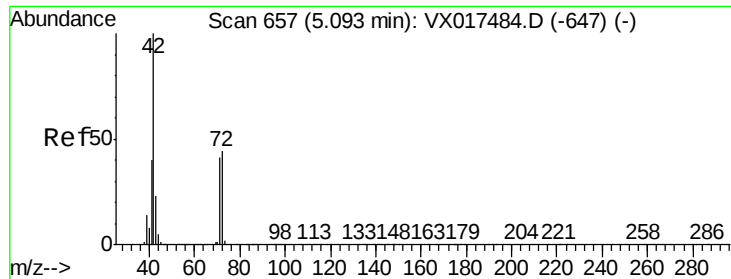
Tot Ion: 43 Resp: 12967
Ion Ratio Lower Upper
43 100
72 24.1 19.0 28.4



#27
cis-1,2-Dichloroethene
Concen: 0.237 ug/l
RT: 4.57 min Scan# 571
Delta R.T. -0.00 min
Lab File: VX017510.D
Acq: 23 Jul 2020 23:12

Tgt Ion: 96 Resp: 1377
Ion Ratio Lower Upper
96 100
61 122.9 0.0 301.2
98 82.9 0.0 130.0





#29

Tetrahydrofuran

Concen: 1.637 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX017510.D

Acq: 23 Jul 2020 23:12

Instrument :

MSVOA_X

ClientSampleId :

PB130403TB

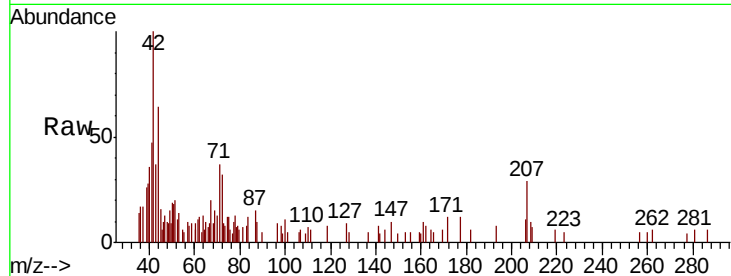
Tot Ion: 42 Resp: 3930

Ion Ratio Lower Upper

42 100

72 18.5 35.5 53.3#

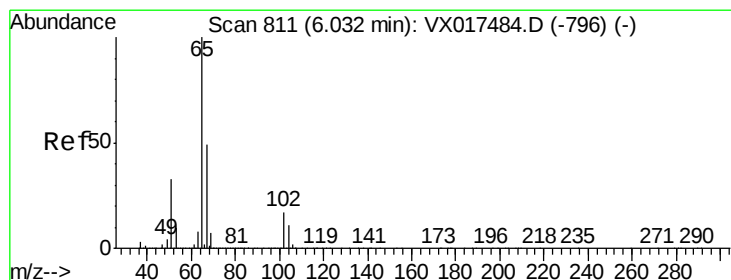
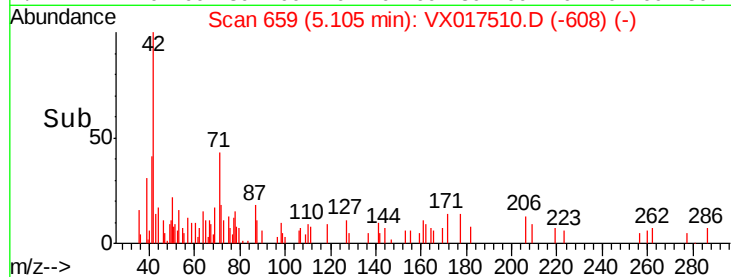
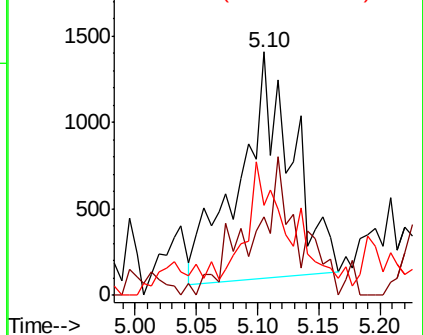
71 29.1 33.0 49.4#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 56.271 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX017510.D

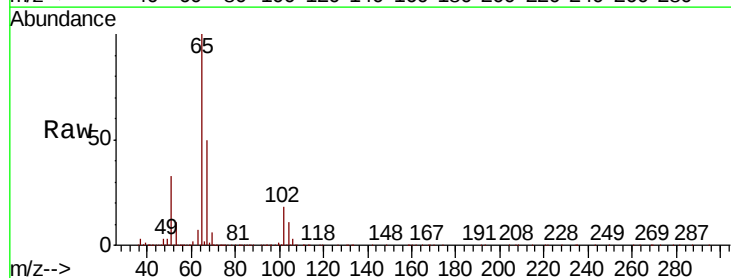
Acq: 23 Jul 2020 23:12

Tgt Ion: 65 Resp: 348873

Ion Ratio Lower Upper

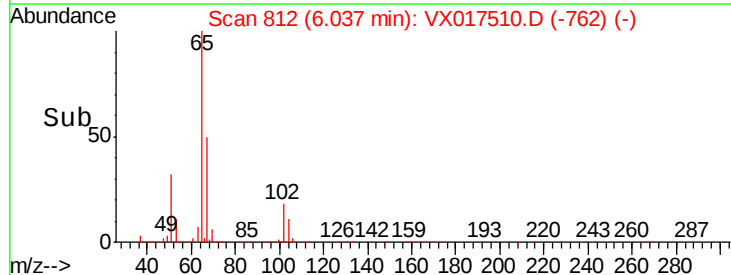
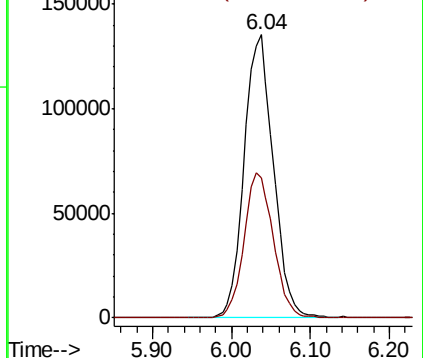
65 100

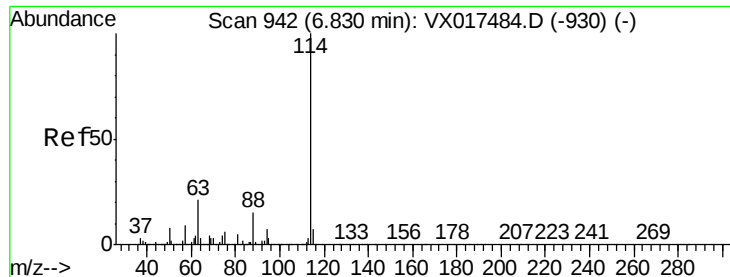
67 51.2 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017510.D

Acq: 23 Jul 2020 23:12

Instrument :

MSVOA_X

ClientSampleId :

PB130403TB

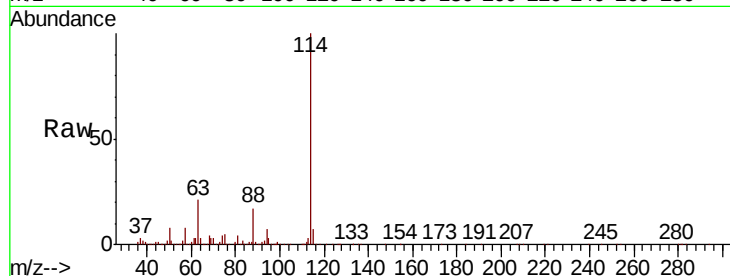
Tot Ion:114 Resp: 758496

Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.6

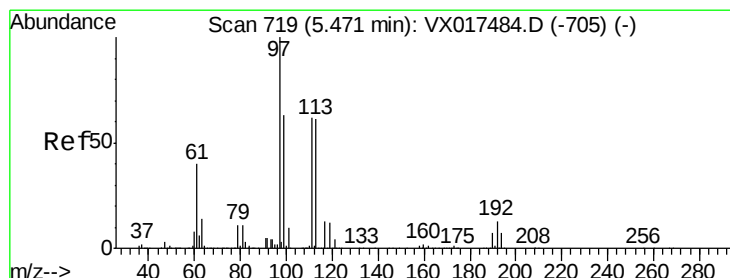
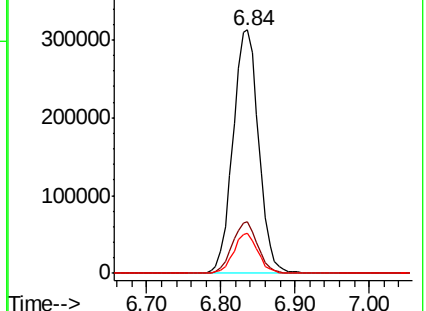
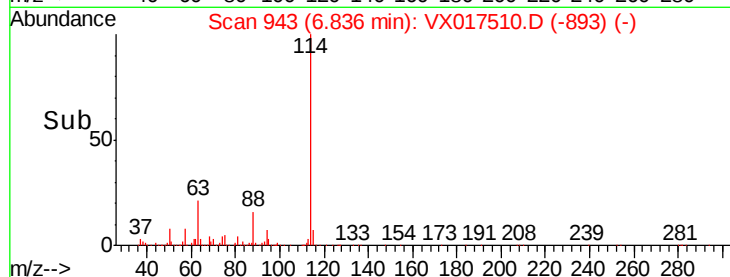
88 16.5 0.0 33.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 53.840 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX017510.D

Acq: 23 Jul 2020 23:12

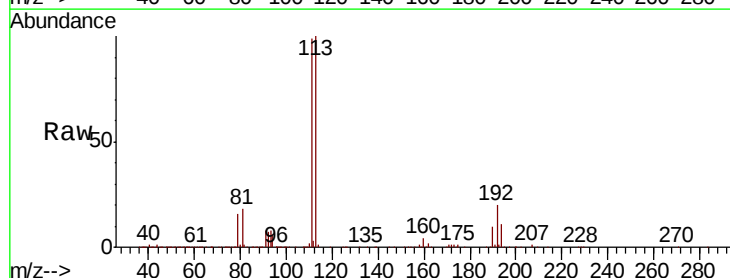
Tgt Ion:113 Resp: 273122

Ion Ratio Lower Upper

113 100

111 102.5 80.7 121.1

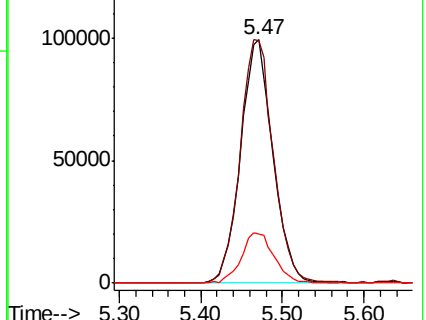
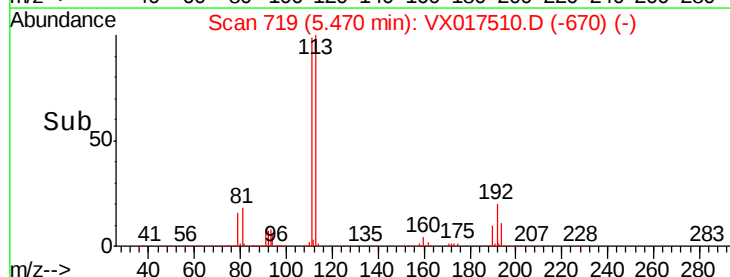
192 20.8 16.9 25.3

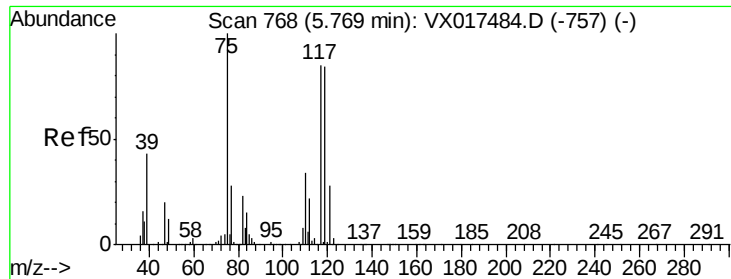


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 0.246 ug/l

RT: 5.78 min Scan# 769

Delta R.T. 0.01 min

Lab File: VX017510.D

Acq: 23 Jul 2020 23:12

Instrument :

MSVOA_X

ClientSampled :

PB130403TB

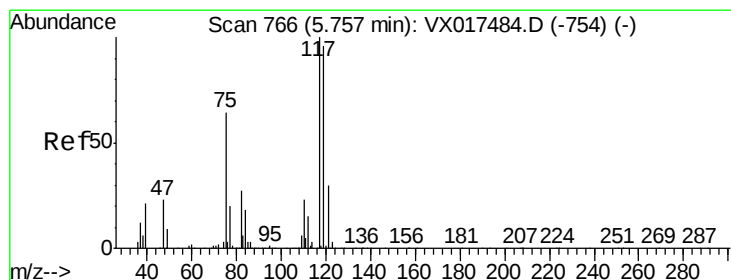
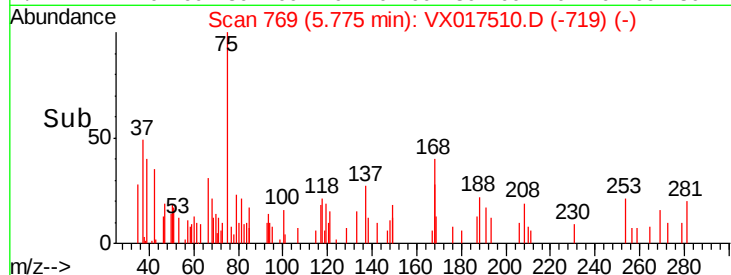
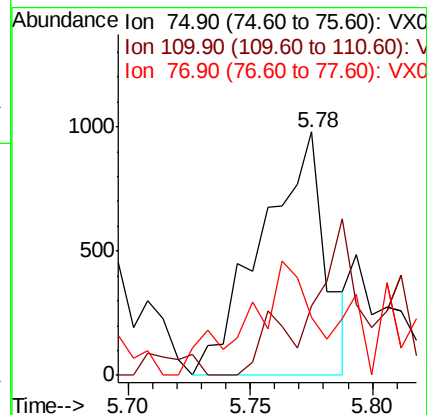
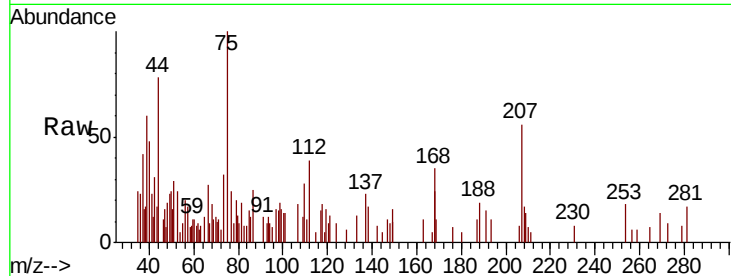
Tot Ion: 75 Resp: 1792

Ion Ratio Lower Upper

75 100

110 0.0 18.1 54.3#

77 46.1 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.547 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX017510.D

Acq: 23 Jul 2020 23:12

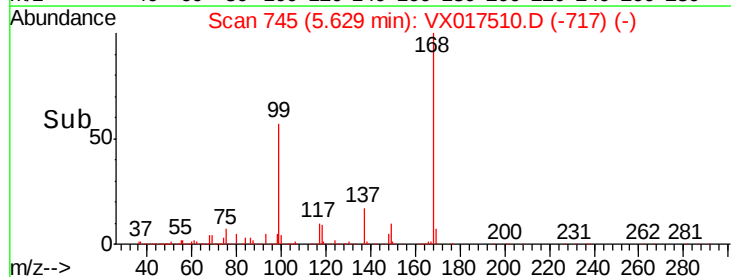
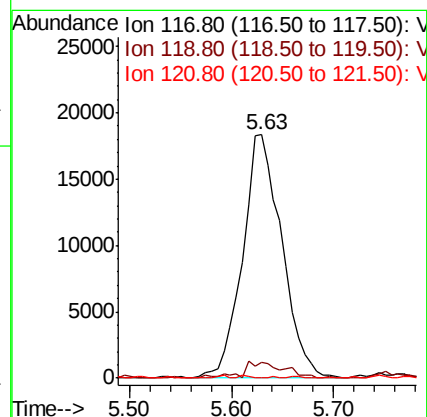
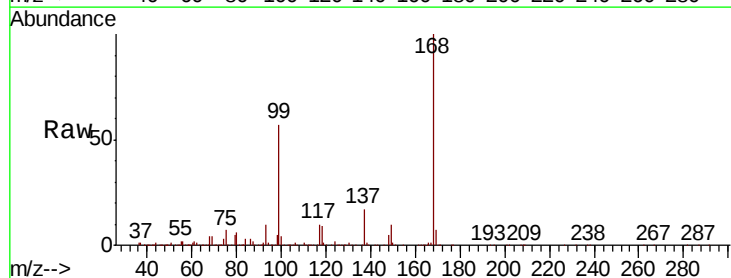
Tgt Ion: 117 Resp: 49004

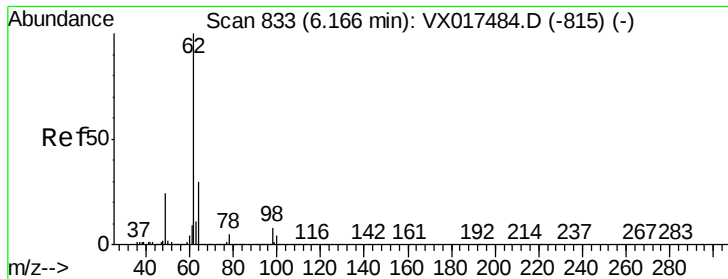
Ion Ratio Lower Upper

117 100

119 6.5 75.4 113.0#

121 0.0 24.3 36.5#





#42

1,2-Dichloroethane

Concen: 0.302 ug/l

RT: 6.17 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX017510.D

Acq: 23 Jul 2020 23:12

Instrument :

MSVOA_X

ClientSampleId :

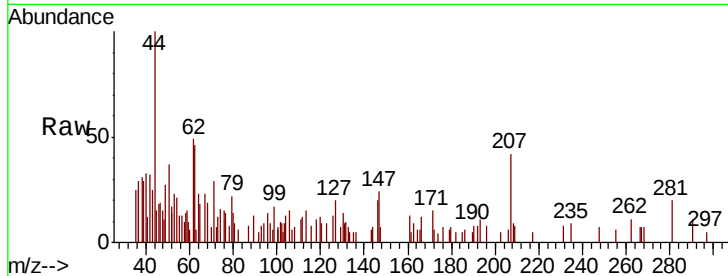
PB130403TB

Tot Ion: 62 Resp: 2579

Ion Ratio Lower Upper

62 100

98 12.0 0.0 16.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

6.17

1200

1000

800

600

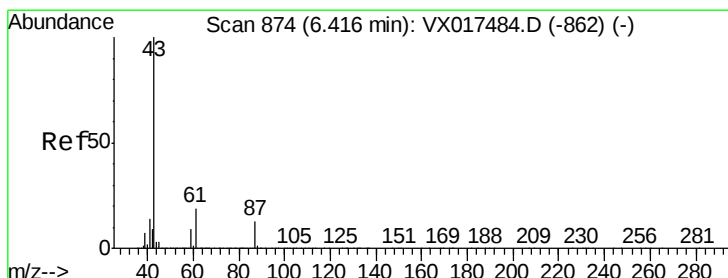
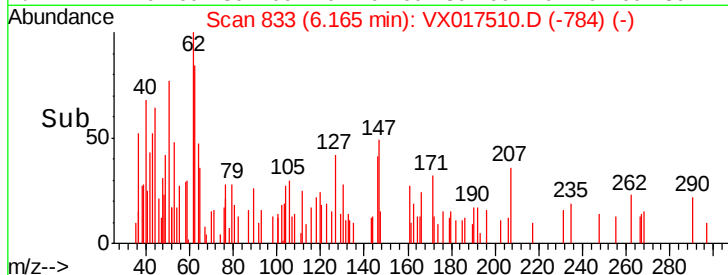
400

200

0

6.05 6.10 6.15 6.20 6.25

Time-->



#43

Isopropyl Acetate

Concen: 12.828 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.01 min

Lab File: VX017510.D

Acq: 23 Jul 2020 23:12

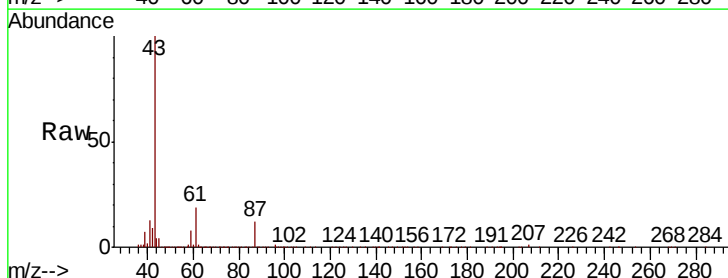
Tgt Ion: 43 Resp: 168469

Ion Ratio Lower Upper

43 100

61 20.0 15.5 23.3

87 13.7 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

80000

60000

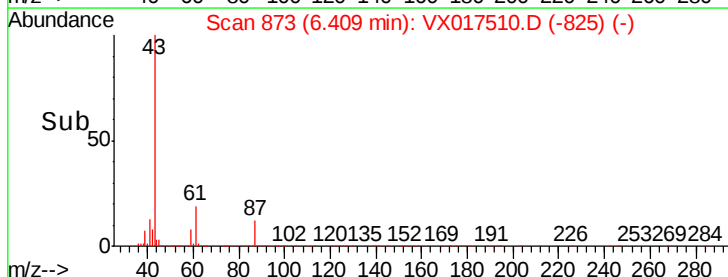
40000

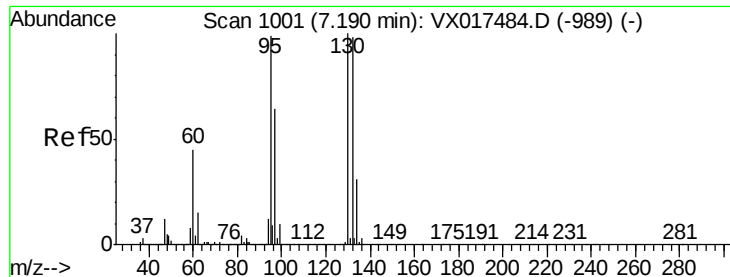
20000

0

6.30 6.40 6.50

Time-->





#44

Trichloroethene

Concen: 0.323 ug/l

RT: 7.20 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VX017510.D

Acq: 23 Jul 2020 23:12

Instrument :

MSVOA_X

ClientSampleId :

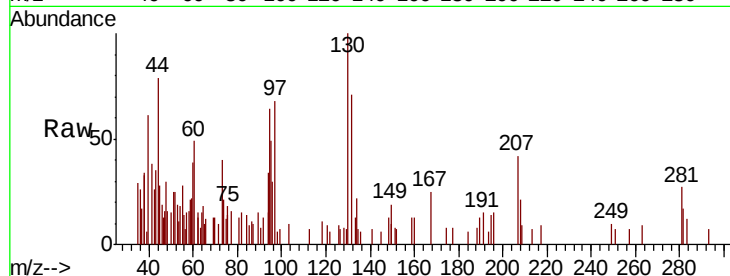
PB130403TB

Tot Ion:130 Resp: 1966

Ion Ratio Lower Upper

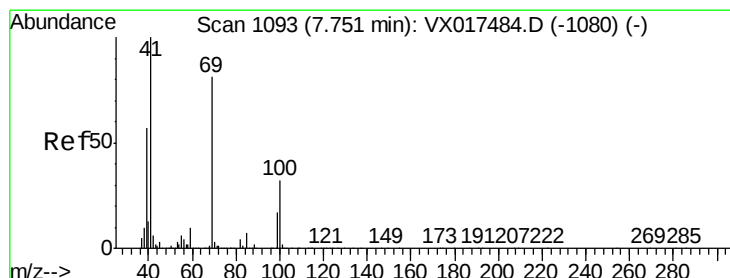
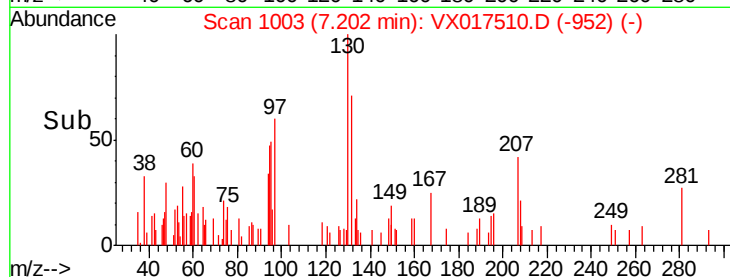
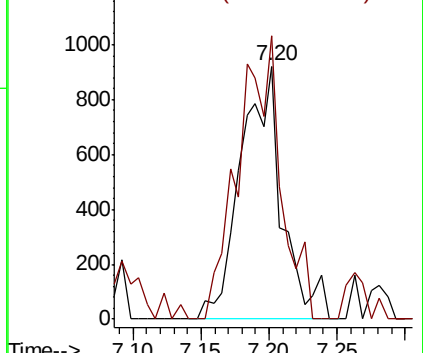
130 100

95 112.1 0.0 189.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#48

Methyl methacrylate

Concen: 37.417 ug/l

RT: 7.85 min Scan# 1110

Delta R.T. 0.10 min

Lab File: VX017510.D

Acq: 23 Jul 2020 23:12

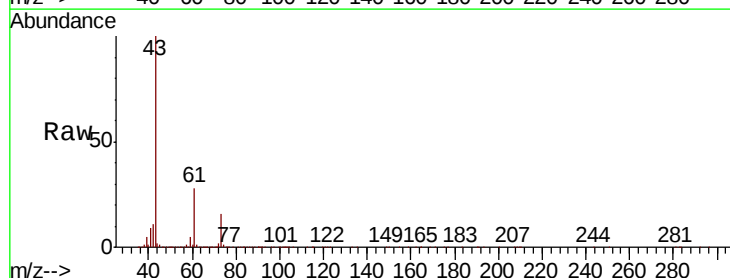
Tgt Ion: 41 Resp: 243580

Ion Ratio Lower Upper

41 100

69 0.4 63.1 94.7#

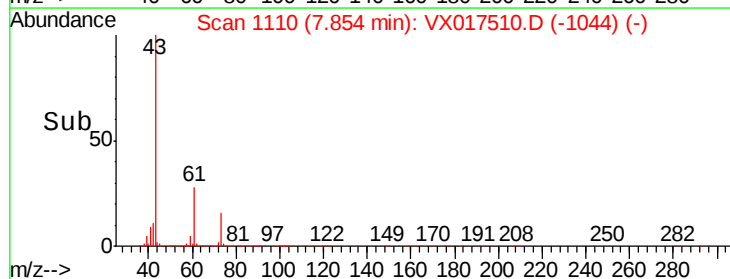
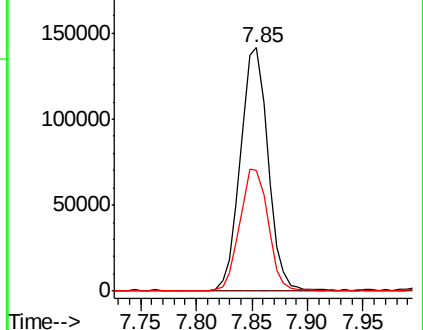
39 52.0 45.1 67.7

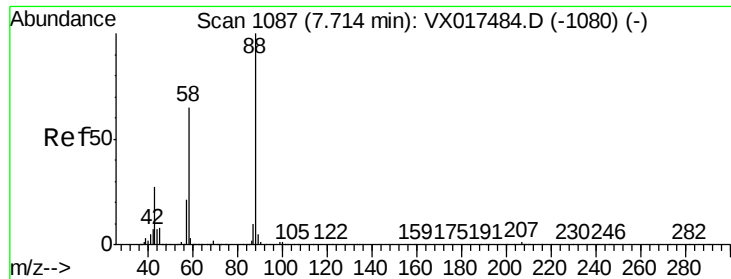


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 2.884 ug/l

RT: 7.73 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX017510.D

Acq: 23 Jul 2020 23:12

Instrument :

MSVOA_X

ClientSampleId :

PB130403TB

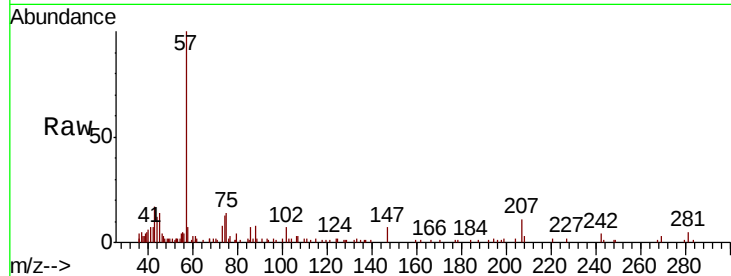
Tot Ion: 88 Resp: 360

Ion Ratio Lower Upper

88 100

43 0.0 27.8 41.6#

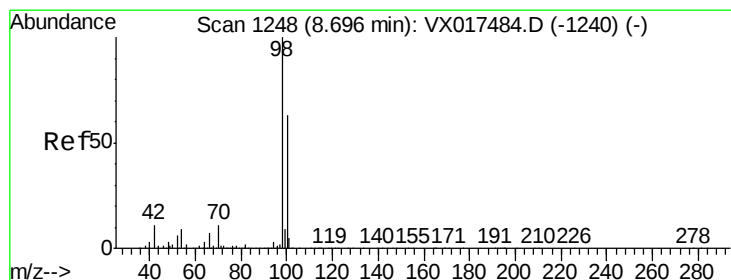
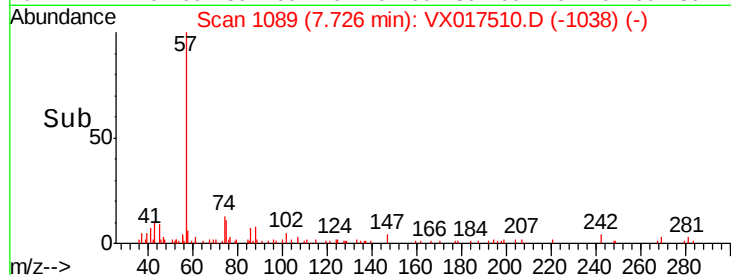
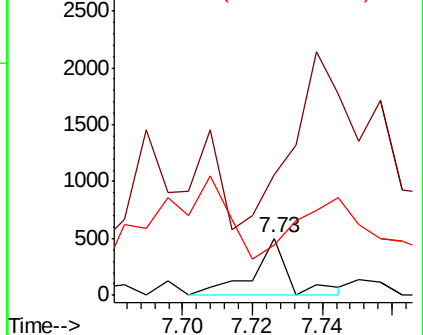
58 0.0 58.3 87.5#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 50.656 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017510.D

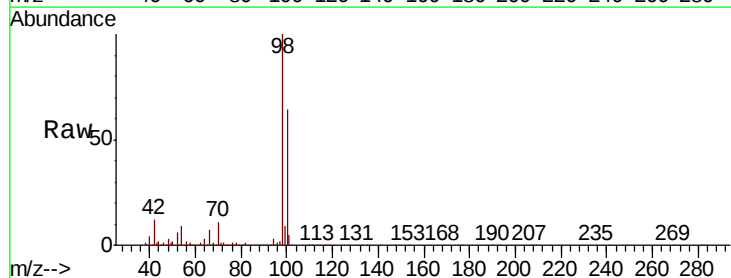
Acq: 23 Jul 2020 23:12

Tgt Ion: 98 Resp: 927012

Ion Ratio Lower Upper

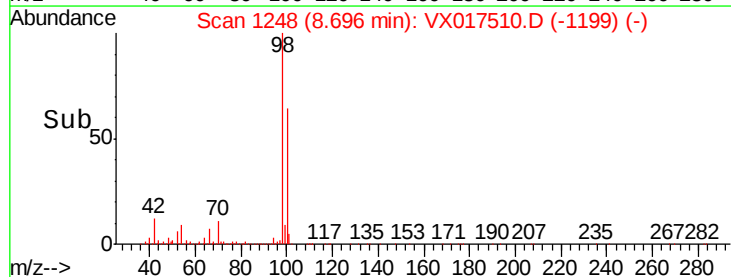
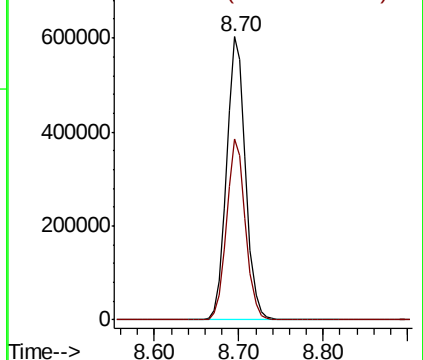
98 100

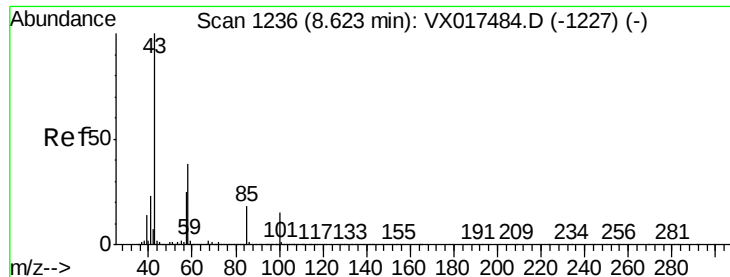
100 63.6 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 18.378 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. -0.02 min

Lab File: VX017510.D

Acq: 23 Jul 2020 23:12

Instrument :

MSVOA_X

ClientSampleId :

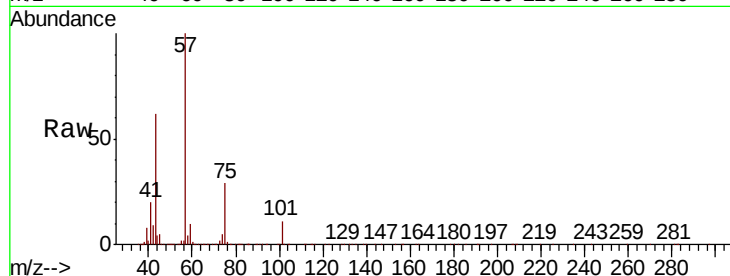
PB130403TB

Tot Ion: 43 Resp: 144009

Ion Ratio Lower Upper

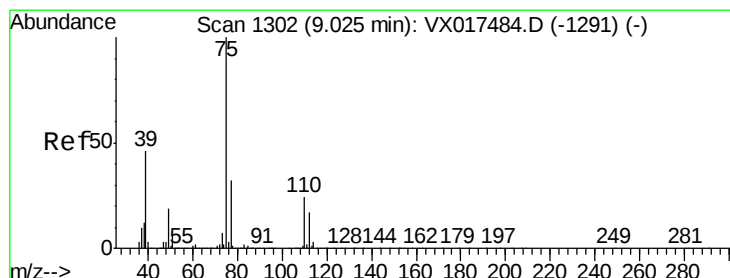
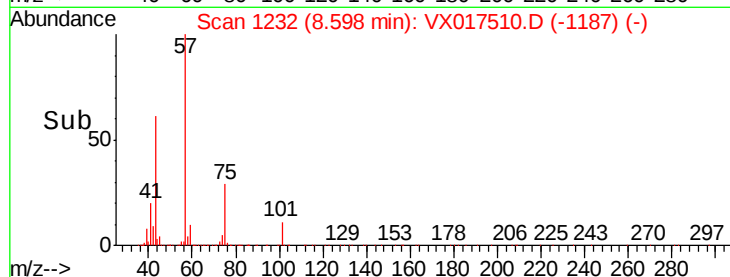
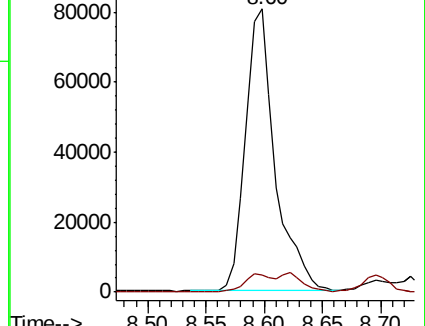
43 100

58 6.3 31.0 46.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#53

t-1,3-Dichloropropene

Concen: 0.216 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX017510.D

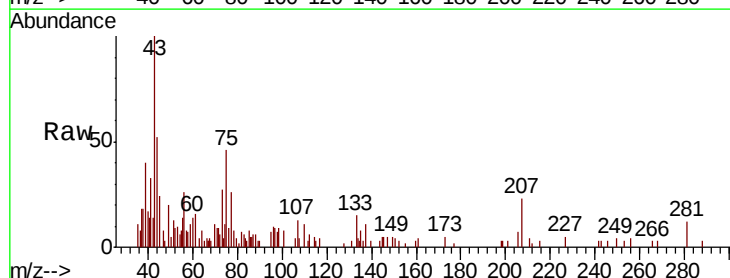
Acq: 23 Jul 2020 23:12

Tgt Ion: 75 Resp: 1987

Ion Ratio Lower Upper

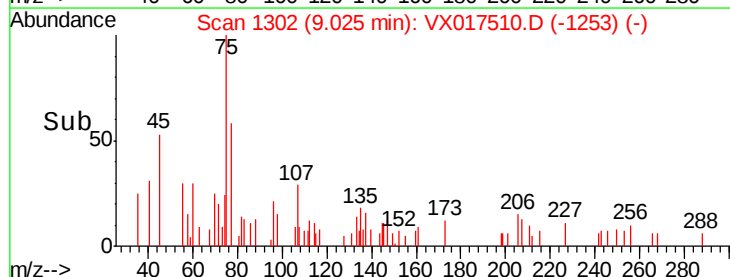
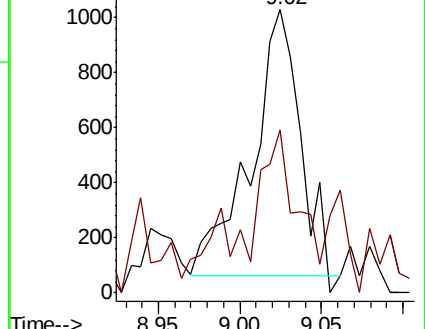
75 100

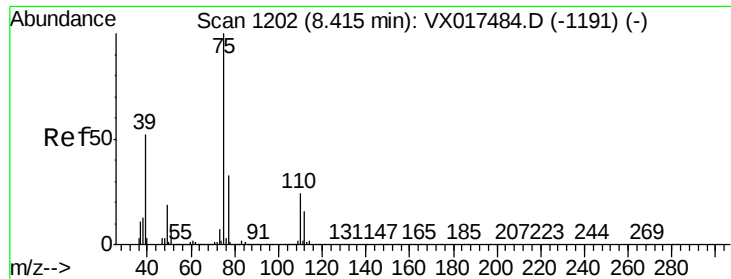
77 48.9 25.5 38.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



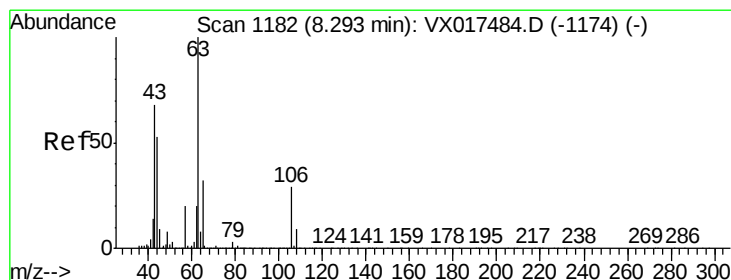
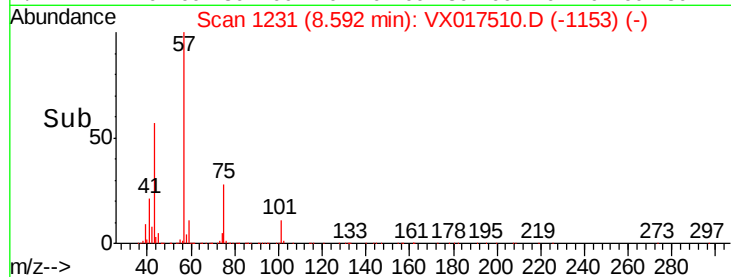
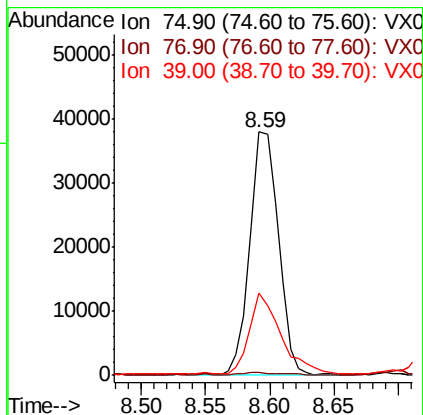
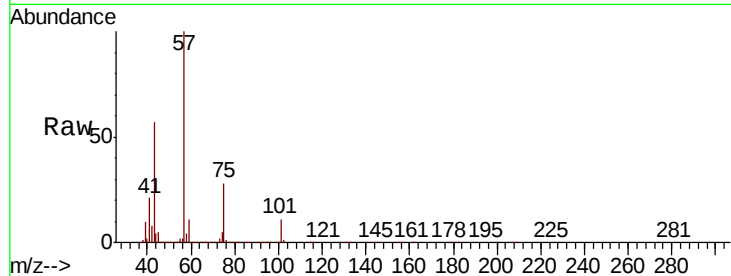


#54

cis-1,3-Dichloropropene
Concen: 6.181 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. 0.18 min
Lab File: VX017510.D
Acq: 23 Jul 2020 23:12

Instrument :
MSVOA_X
ClientSampleId :
PB130403TB

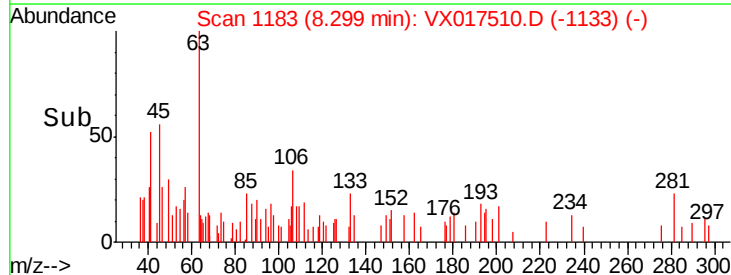
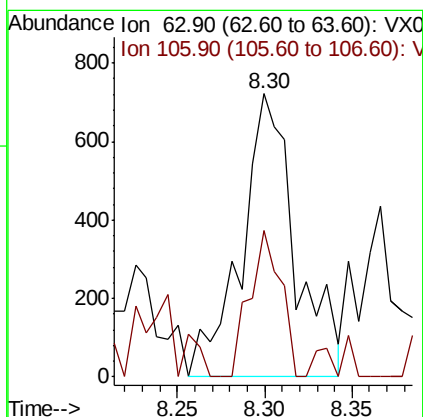
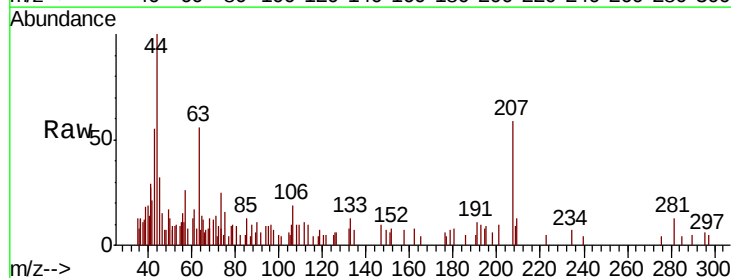
Tot Ion	Ratio	Lower	Upper
75	100		
77	1.0	25.5	38.3#
39	33.3	41.8	62.8#

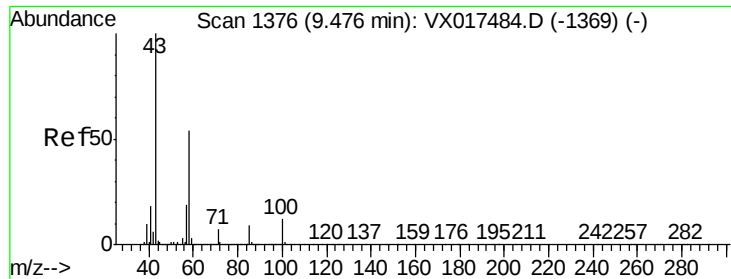


#58

2-Chloroethyl Vinyl ether
Concen: 0.352 ug/l
RT: 8.30 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VX017510.D
Acq: 23 Jul 2020 23:12

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.7	22.6	34.0

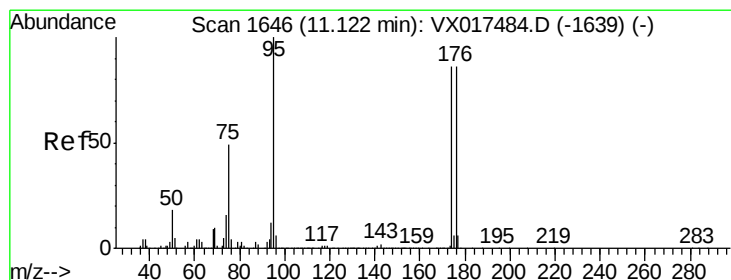
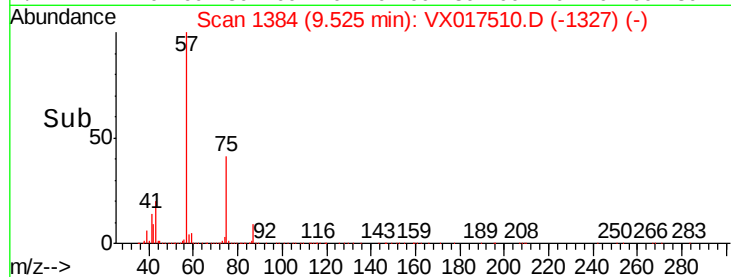
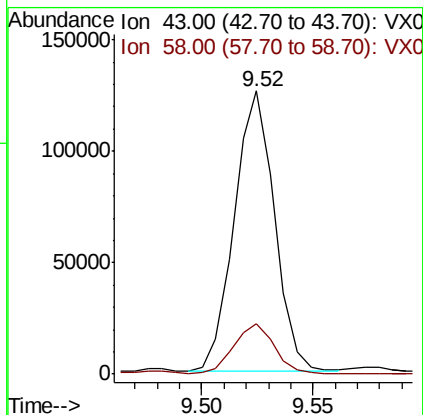
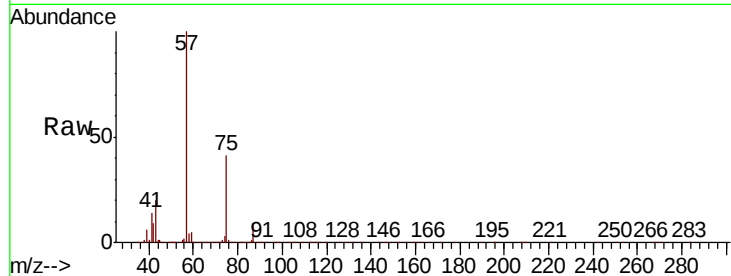




#59
2-Hexanone
Concen: 26.846 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX017510.D
Acq: 23 Jul 2020 23:12

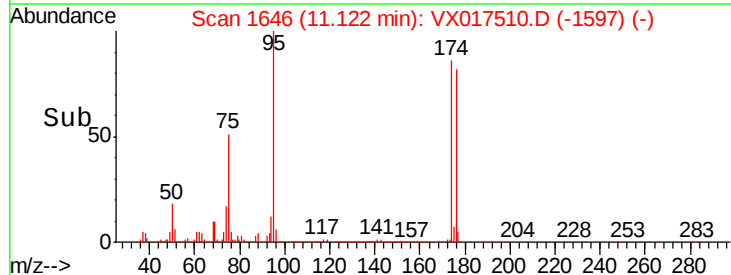
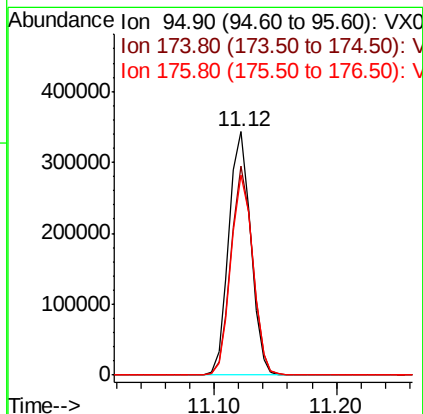
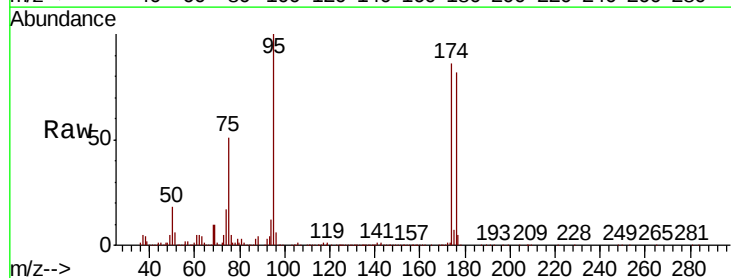
Instrument :
MSVOA_X
ClientSampleId :
PB130403TB

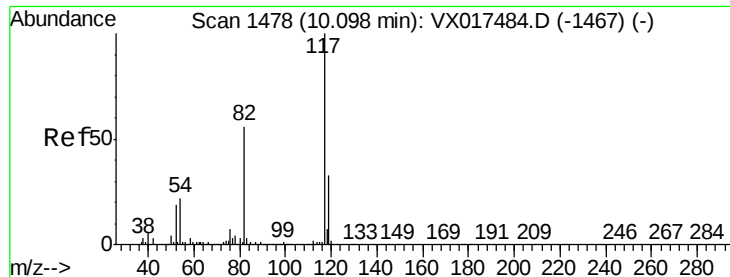
Tot Ion: 43 Resp: 158377
Ion Ratio Lower Upper
43 100
58 18.3 26.6 79.8#



#62
4-Bromofluorobenzene
Concen: 58.063 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017510.D
Acq: 23 Jul 2020 23:12

Tgt Ion: 95 Resp: 425239
Ion Ratio Lower Upper
95 100
174 84.5 0.0 169.0
176 82.4 0.0 161.0

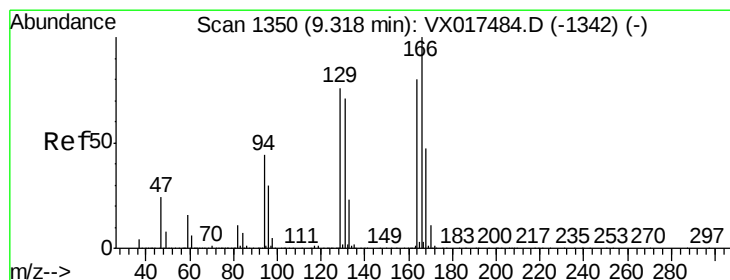
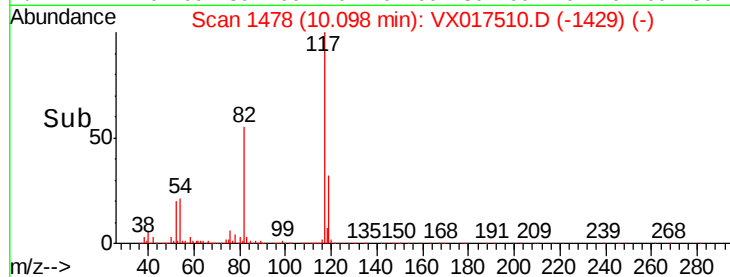
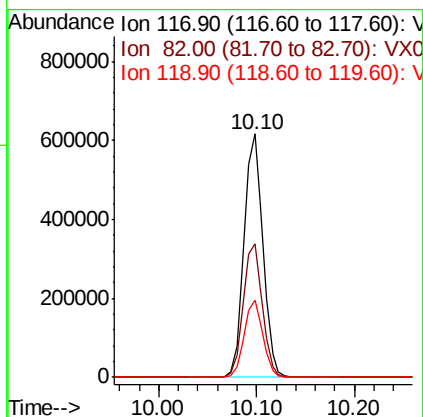
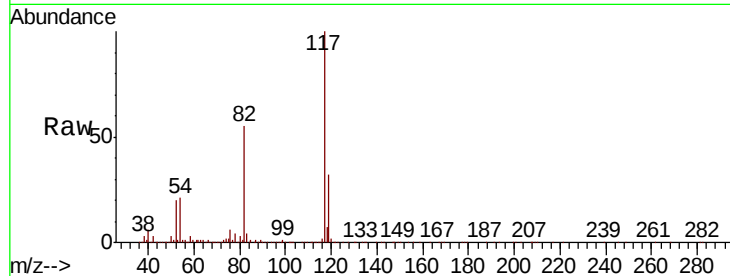




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017510.D
Acq: 23 Jul 2020 23:12

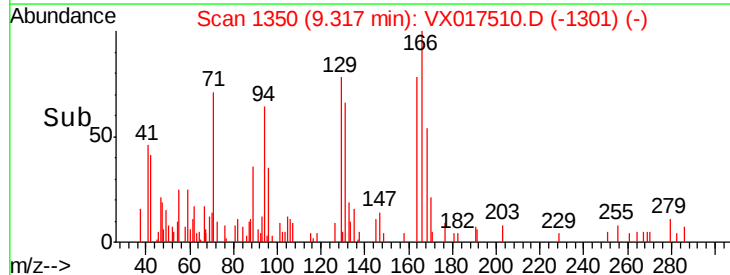
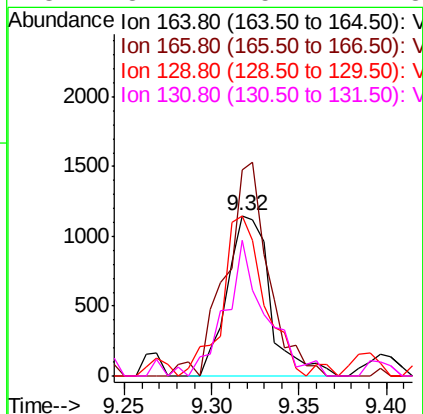
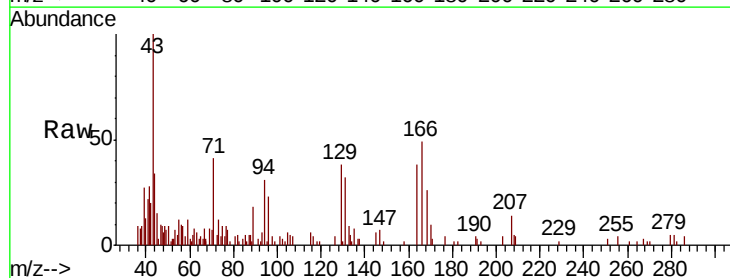
Instrument :
MSVOA_X
ClientSampleId :
PB130403TB

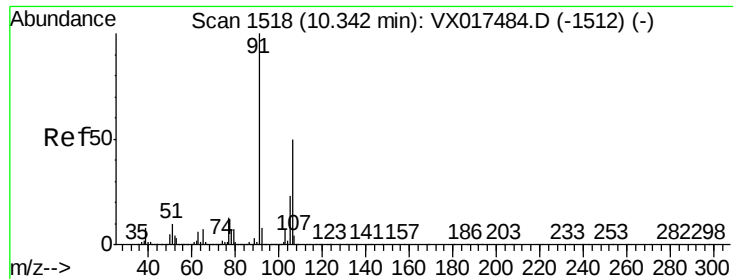
Tot Ion:117 Resp: 826747
Ion Ratio Lower Upper
117 100
82 55.1 44.0 66.0
119 31.5 25.4 38.0



#64
Tetrachloroethene
Concen: 0.264 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX017510.D
Acq: 23 Jul 2020 23:12

Tgt Ion:164 Resp: 1962
Ion Ratio Lower Upper
164 100
166 128.7 100.6 150.8
129 94.9 75.0 112.6
131 84.7 75.2 112.8





#68

m/p-Xvlenes

Concen: 0.408 ug/l

RT: 10.34 min Scan# 1517

Delta R.T. -0.01 min

Lab File: VX017510.D

Acq: 23 Jul 2020 23:12

Instrument :

MSVOA_X

ClientSampleId :

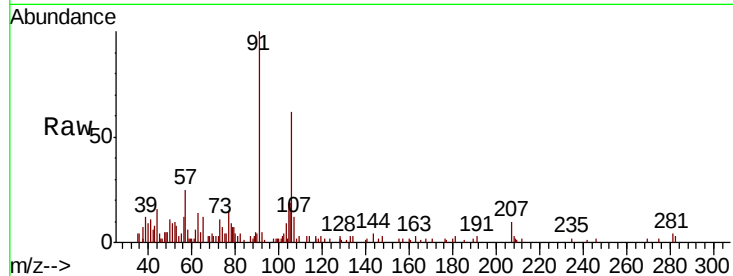
PB130403TB

Tot Ion:106 Resp: 4717

Ion Ratio Lower Upper

106 100

91 184.3 160.9 241.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

8000

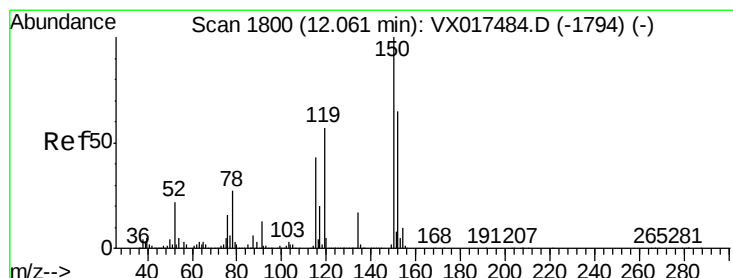
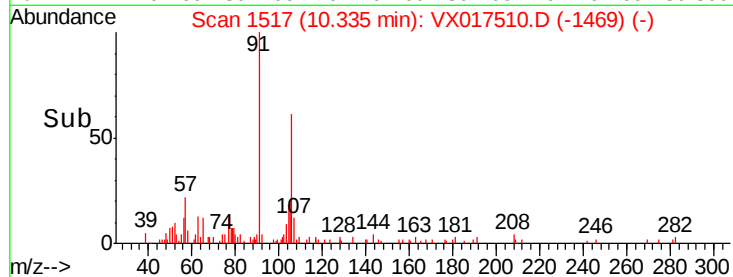
6000

4000

2000

0

10.30 10.35 10.40



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017510.D

Acq: 23 Jul 2020 23:12

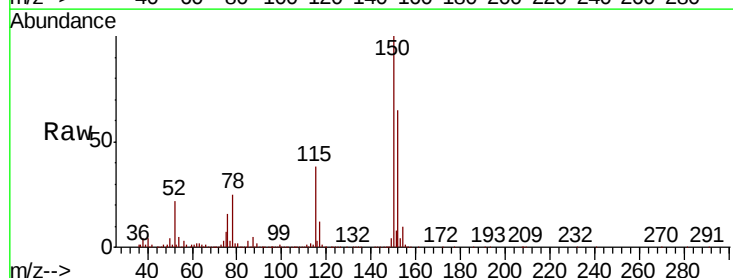
Tgt Ion:152 Resp: 453868

Ion Ratio Lower Upper

152 100

115 56.9 65.5 196.6#

150 153.7 0.0 412.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

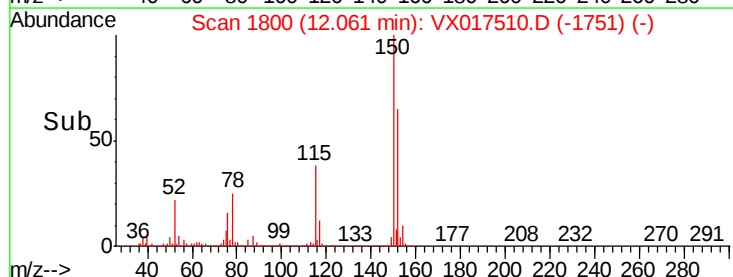
600000

400000

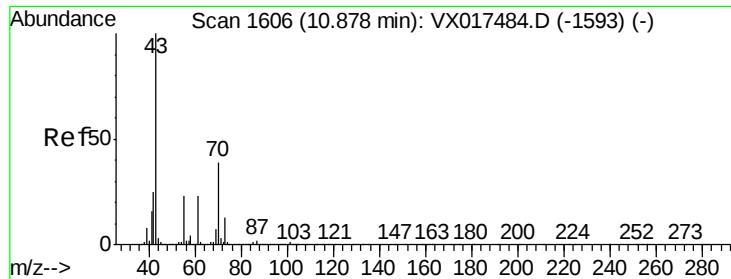
200000

0

12.00 12.05 12.10 12.15



Time-->



#74

N-amvl acetate

Concen: 0.718 ug/l

RT: 10.80 min Scan# 1594

Delta R.T. -0.07 min

Lab File: VX017510.D

Acq: 23 Jul 2020 23:12

Instrument :

MSVOA_X

ClientSampled :

PB130403TB

Tot Ion: 43 Resp: 9931

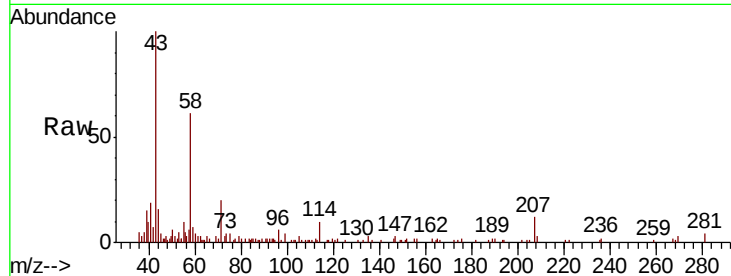
Ion Ratio Lower Upper

43 100

70 1.6 32.3 48.5#

55 10.5 18.4 27.6#

61 0.0 18.6 28.0#

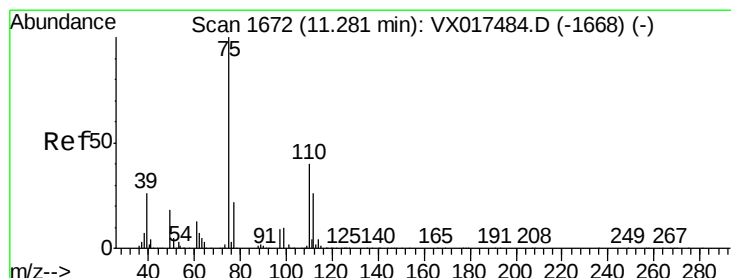
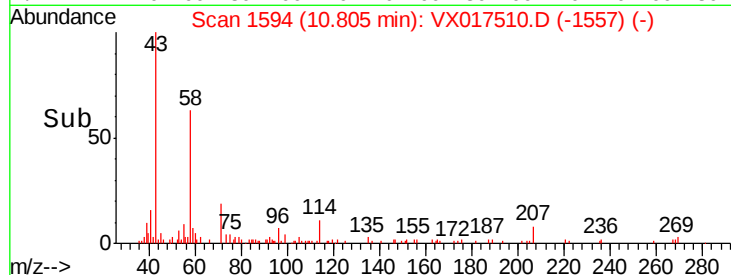
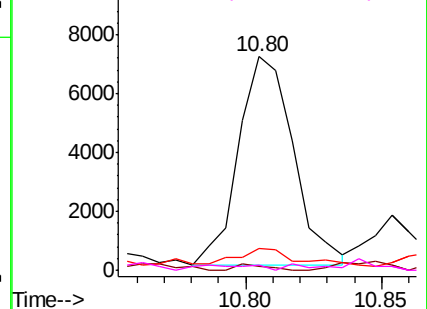


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 23.978 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017510.D

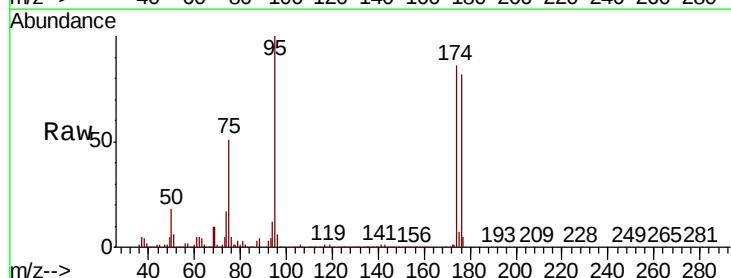
Acq: 23 Jul 2020 23:12

Tgt Ion: 75 Resp: 223864

Ion Ratio Lower Upper

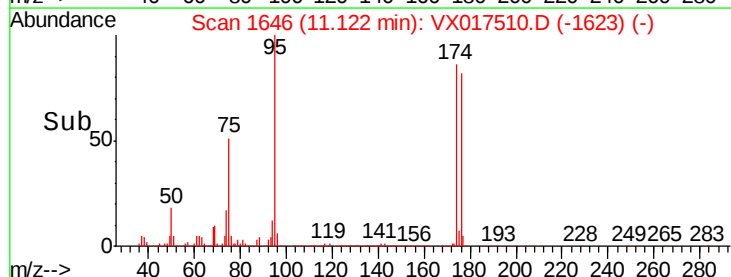
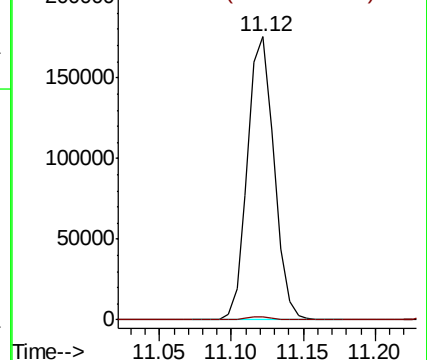
75 100

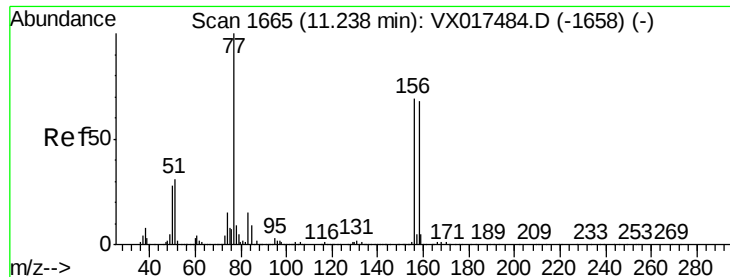
77 1.4 21.8 65.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 0.202 ug/l

RT: 11.24 min Scan# 1666

Delta R.T. 0.01 min

Lab File: VX017510.D

Acq: 23 Jul 2020 23:12

Instrument :

MSVOA_X

ClientSampled :

PB130403TB

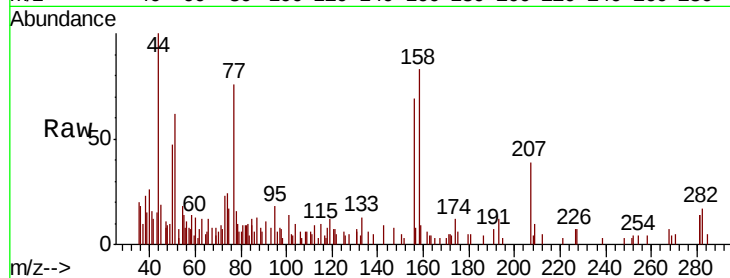
Tot Ion:156 Resp: 1760

Ion Ratio Lower Upper

156 100

77 160.9 75.0 225.0

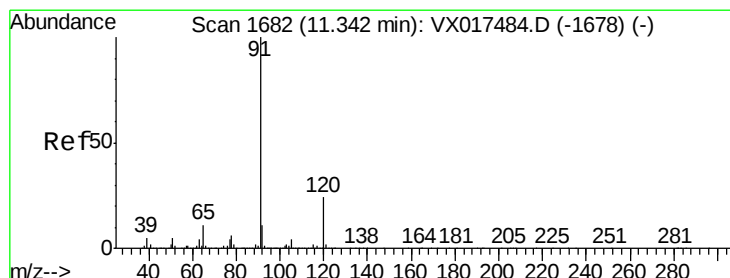
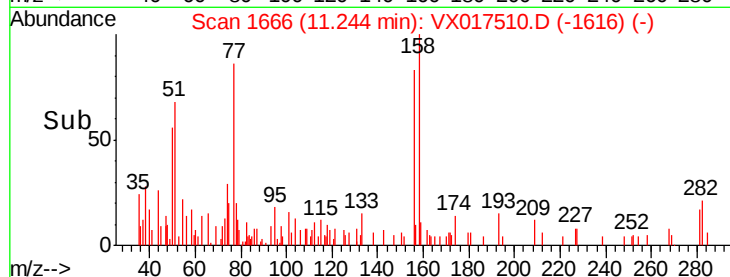
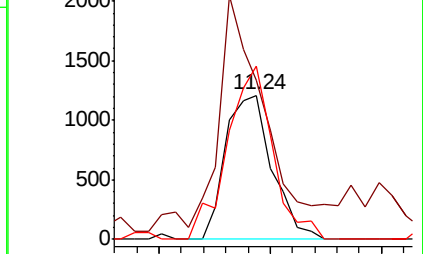
158 118.1 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.232 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX017510.D

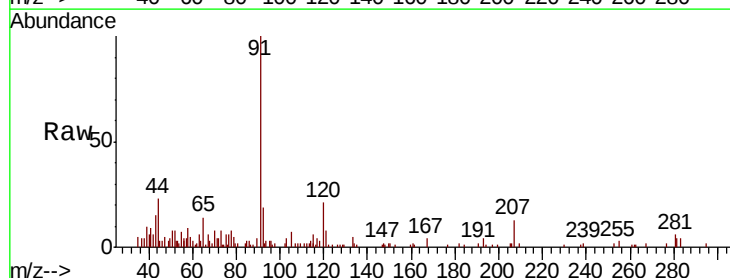
Acq: 23 Jul 2020 23:12

Tgt Ion: 91 Resp: 8164

Ion Ratio Lower Upper

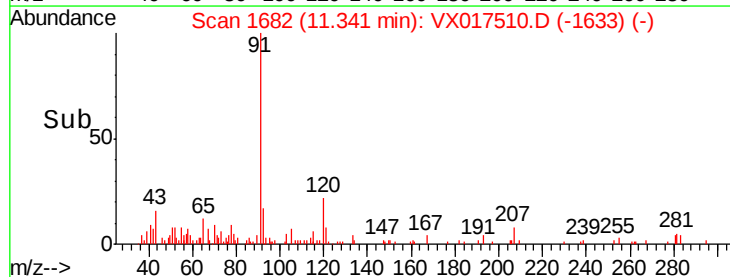
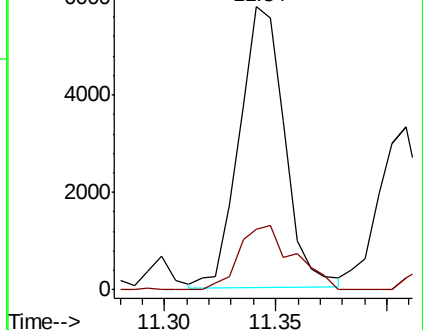
91 100

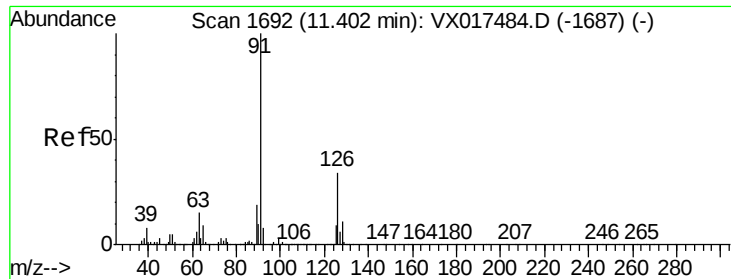
120 27.9 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

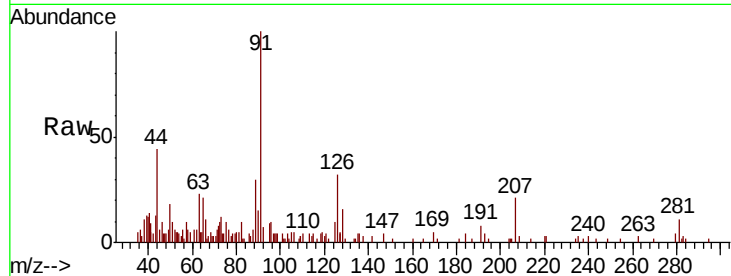




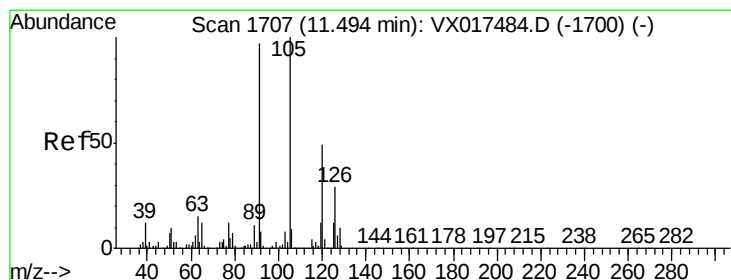
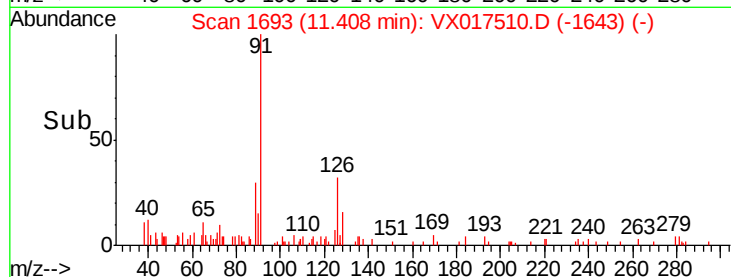
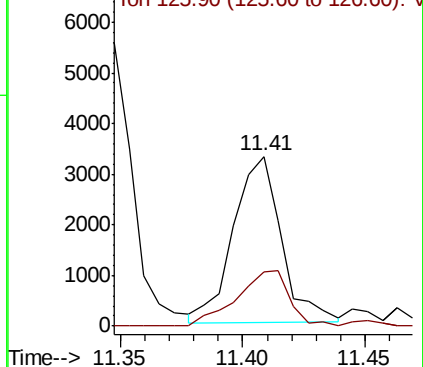
#79
 2-Chlorotoluene
 Concen: 0.205 ug/l
 RT: 11.41 min Scan# 1693
 Delta R.T. 0.01 min
 Lab File: VX017510.D
 Acq: 23 Jul 2020 23:12

Instrument :
 MSVOA_X
 ClientSampleId :
 PB130403TB

Tot Ion: 91 Resp: 4456
 Ion Ratio Lower Upper
 91 100
 126 36.8 17.5 52.5

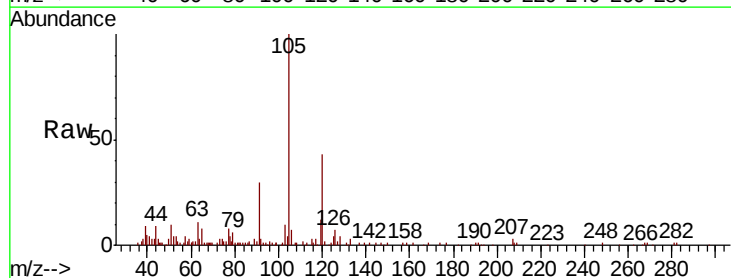


Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 125.90 (125.60 to 126.60): V

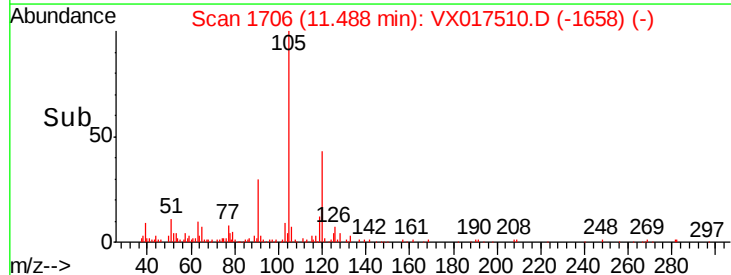
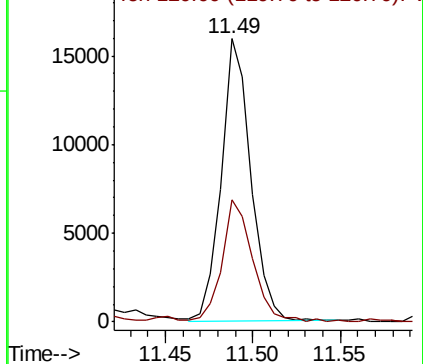


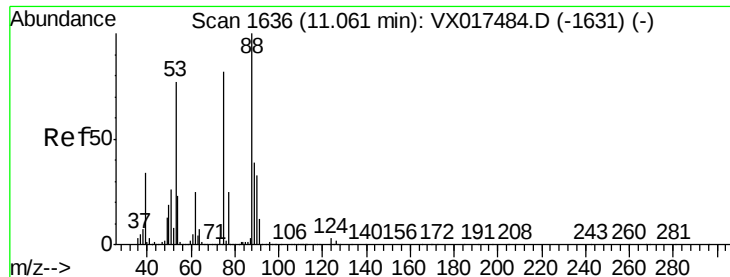
#80
 1,3,5-Trimethylbenzene
 Concen: 0.702 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: VX017510.D
 Acq: 23 Jul 2020 23:12

Tgt Ion: 105 Resp: 18654
 Ion Ratio Lower Upper
 105 100
 120 43.8 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 60.419 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017510.D

Acq: 23 Jul 2020 23:12

Instrument :

MSVOA_X

ClientSampleId :

PB130403TB

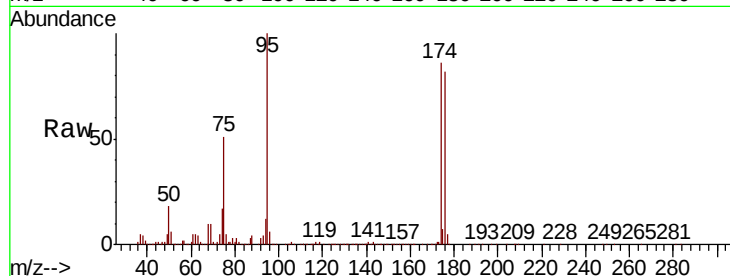
Tot Ion: 75 Resp: 223864

Ion Ratio Lower Upper

75 100

53 0.3 75.9 113.9#

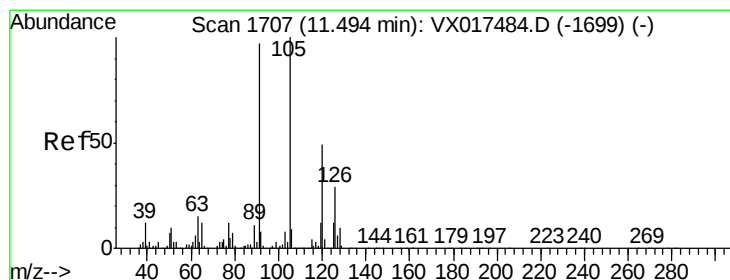
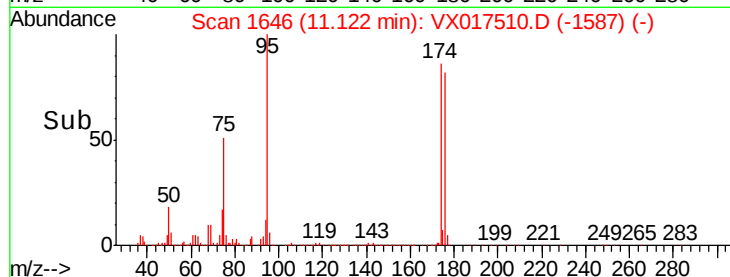
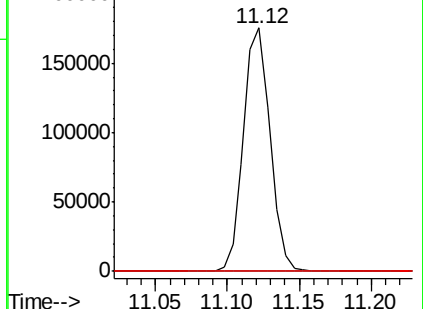
89 0.0 37.8 56.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 0.321 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX017510.D

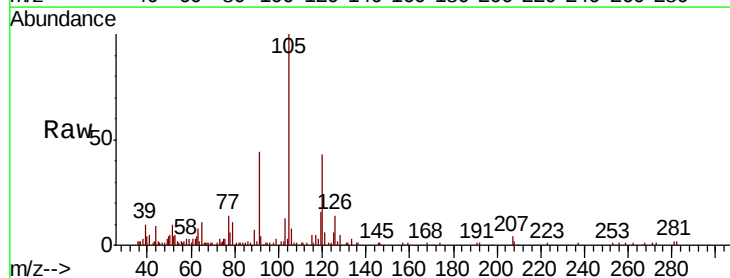
Acq: 23 Jul 2020 23:12

Tgt Ion: 91 Resp: 8240

Ion Ratio Lower Upper

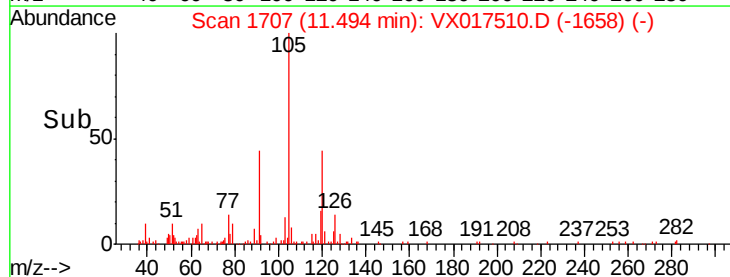
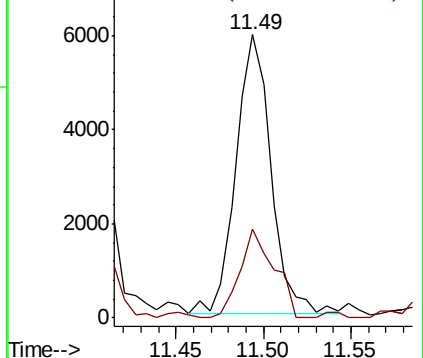
91 100

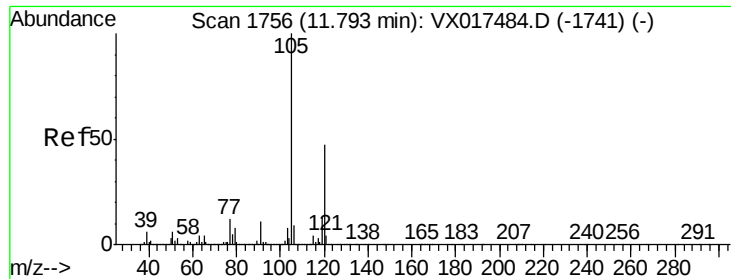
126 31.0 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

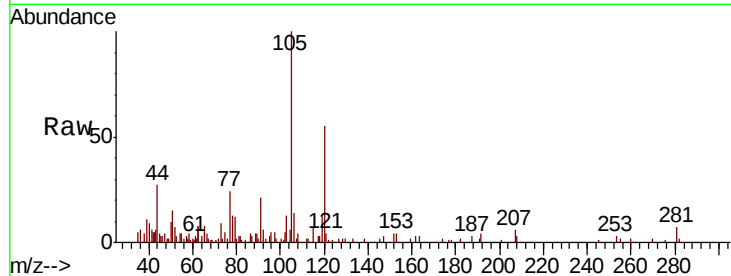




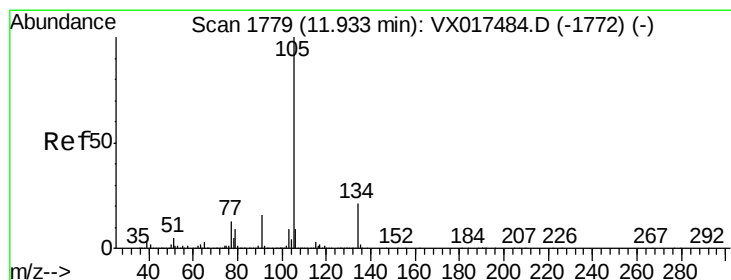
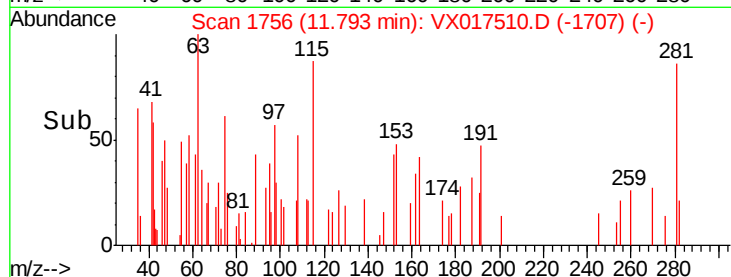
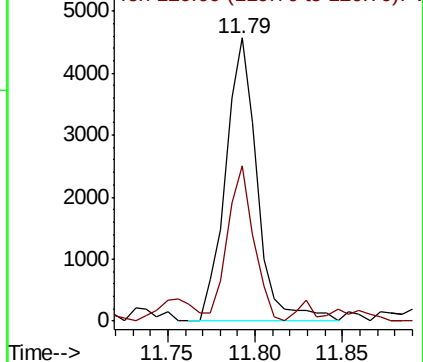
#84
 1,2,4-Trimethylbenzene
 Concen: 0.217 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX017510.D
 Acq: 23 Jul 2020 23:12

Instrument :
 MSVOA_X
 ClientSampleId :
 PB130403TB

Tot Ion:105 Resp: 5734
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.7 68.0

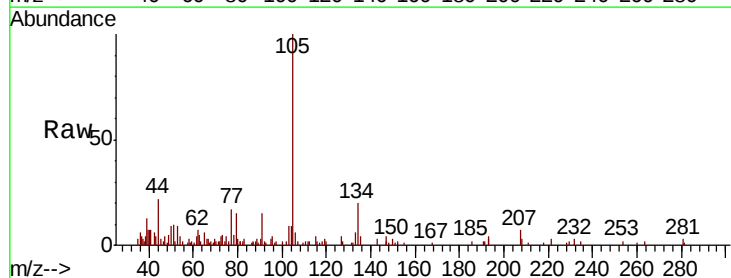


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

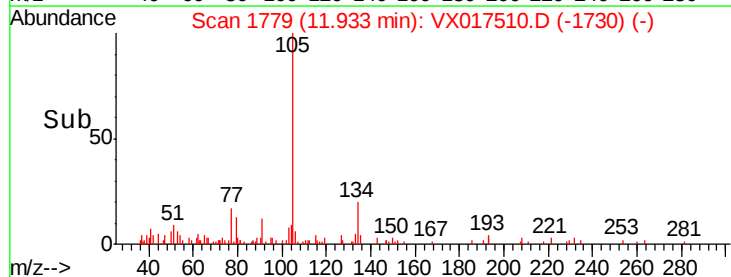
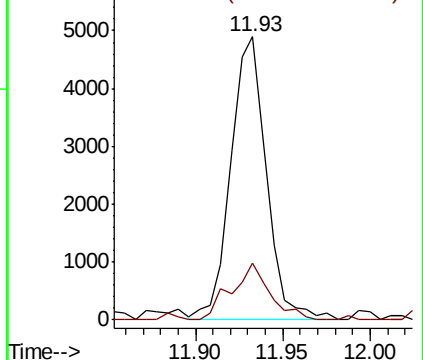


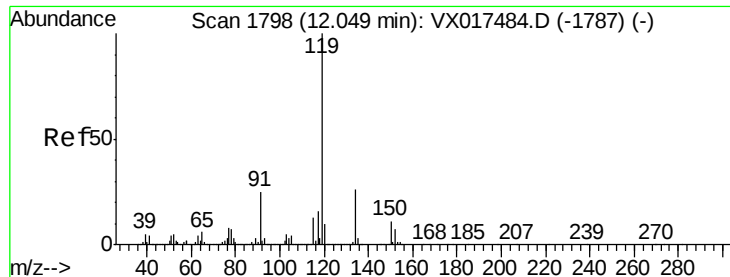
#85
 sec-Butylbenzene
 Concen: 0.234 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VX017510.D
 Acq: 23 Jul 2020 23:12

Tgt Ion:105 Resp: 6927
 Ion Ratio Lower Upper
 105 100
 134 21.6 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 134.00 (133.70 to 134.70): V

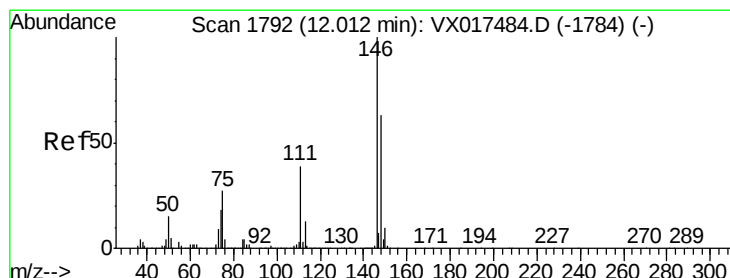
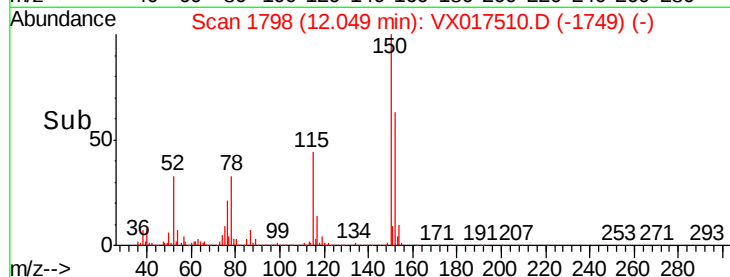
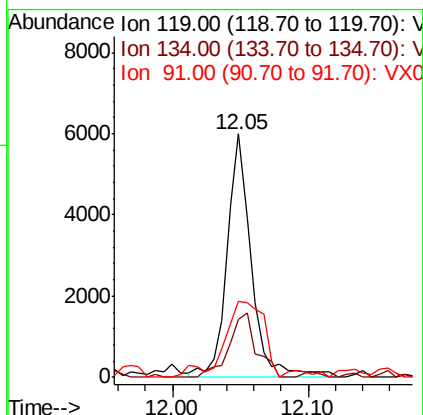
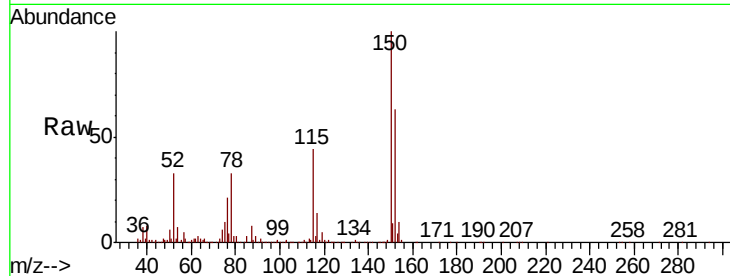




#86
p-Isopropyltoluene
Concen: 0.263 ug/l
RT: 12.05 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VX017510.D
Acq: 23 Jul 2020 23:12

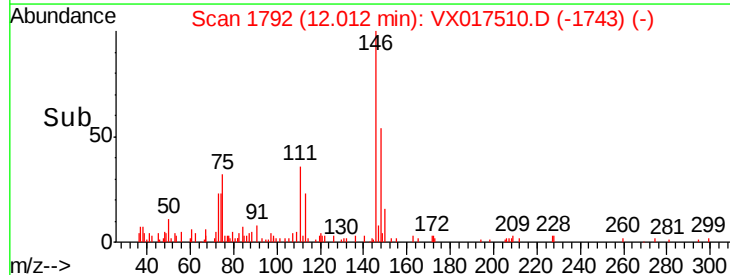
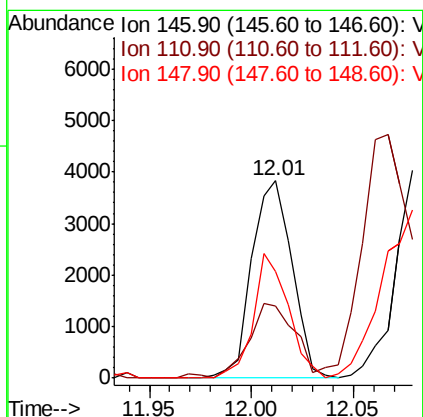
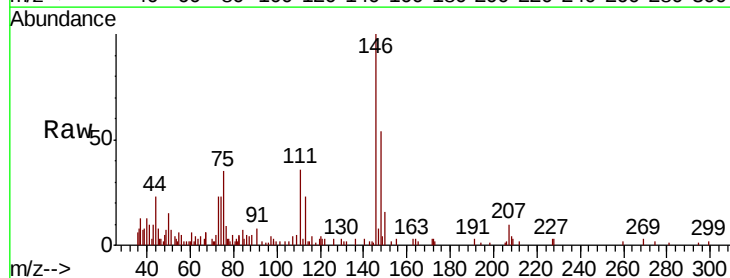
Instrument :
MSVOA_X
ClientSampleId :
PB130403TB

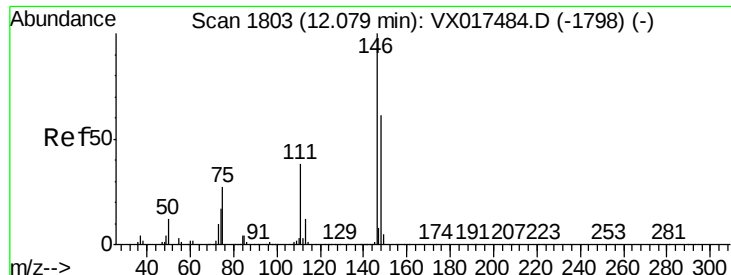
Tot Ion	Ratio	Lower	Upper
119	100		
134	30.0	13.1	39.3
91	46.4	12.1	36.3



#87
1,3-Dichlorobenzene
Concen: 0.352 ug/l
RT: 12.01 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX017510.D
Acq: 23 Jul 2020 23:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	19.9	59.7
148	54.8	31.6	95.0

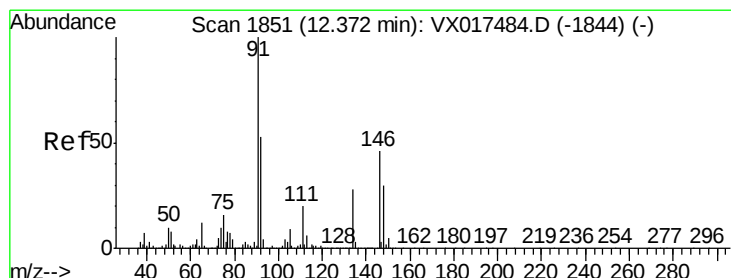
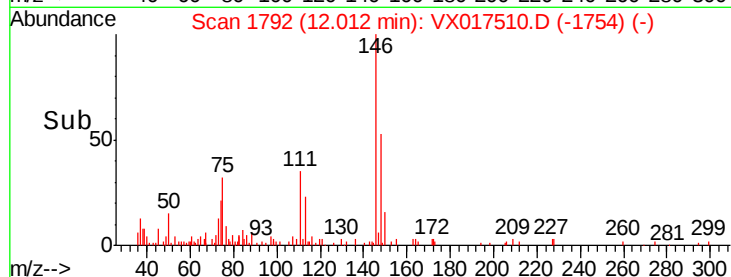
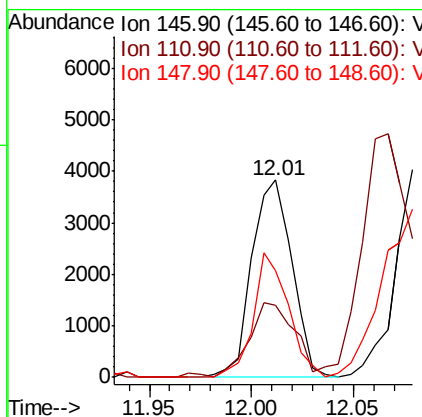
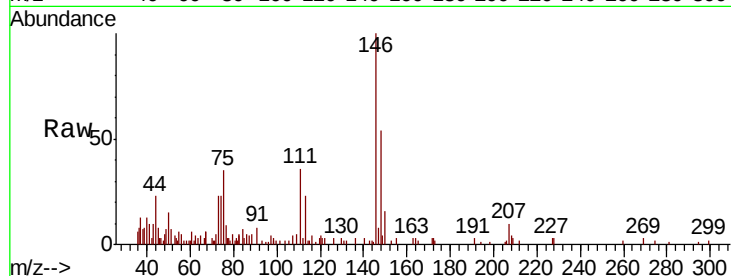




#88
 1,4-Dichlorobenzene
 Concen: 0.340 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.07 min
 Lab File: VX017510.D
 Acq: 23 Jul 2020 23:12

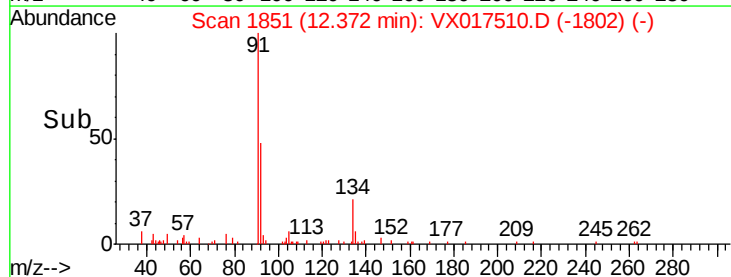
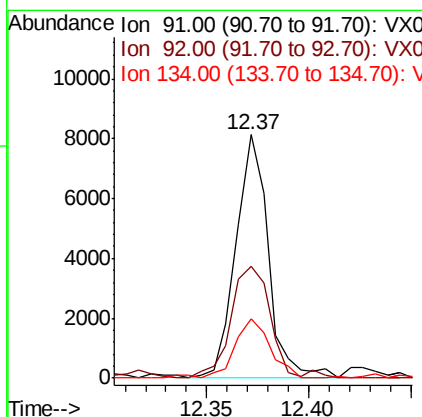
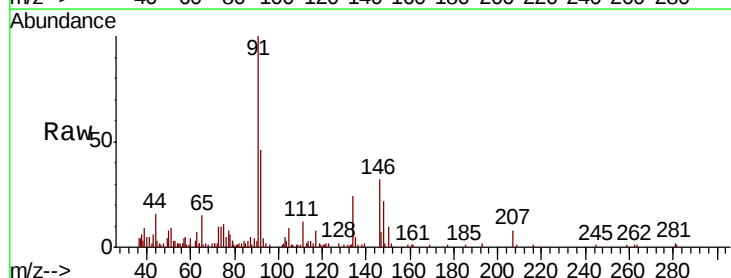
Instrument :
 MSVOA_X
 ClientSampleId :
 PB130403TB

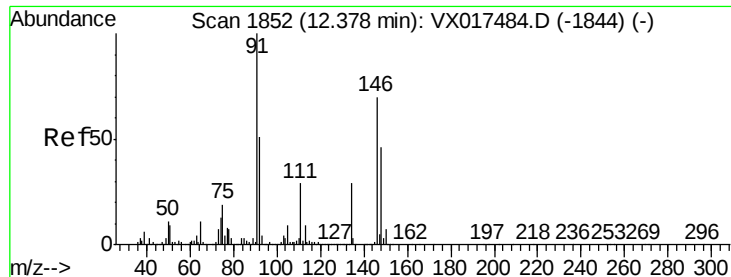
Tot Ion:146 Resp: 5270
 Ion Ratio Lower Upper
 146 100
 111 43.2 19.3 57.8
 148 54.8 32.2 96.6



#89
 n-Butylbenzene
 Concen: 0.357 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VX017510.D
 Acq: 23 Jul 2020 23:12

Tgt Ion: 91 Resp: 8965
 Ion Ratio Lower Upper
 91 100
 92 55.2 26.7 80.1
 134 27.0 13.6 40.7





#91

1,2-Dichlorobenzene

Concen: 0.273 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX017510.D

Acq: 23 Jul 2020 23:12

Instrument :

MSVOA_X

ClientSampleId :

PB130403TB

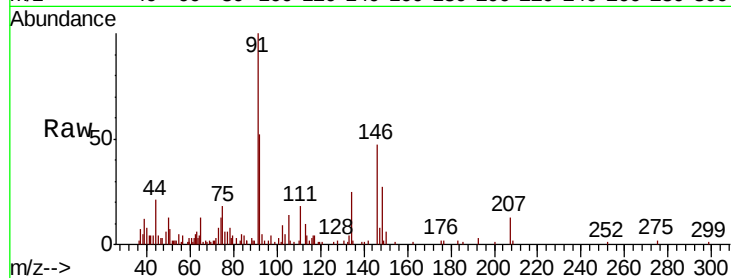
Tot Ion:146 Resp: 4017

Ion Ratio Lower Upper

146 100

111 41.1 20.9 62.8

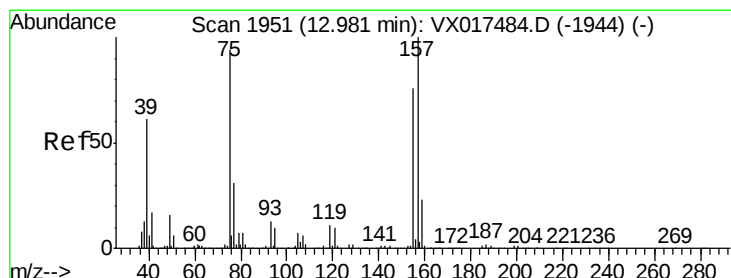
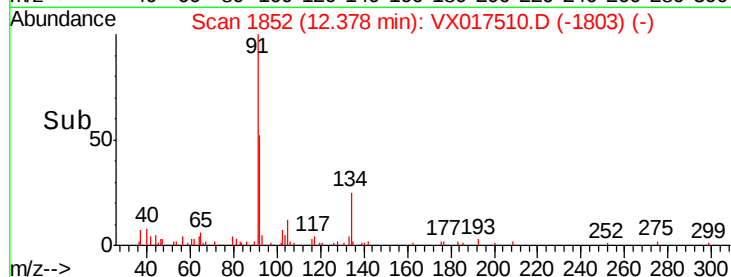
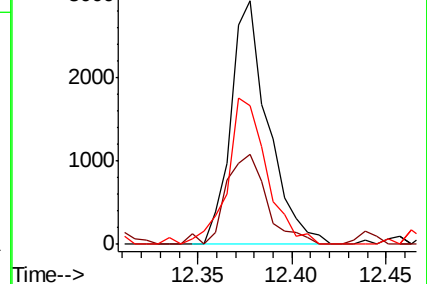
148 63.2 32.8 98.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.619 ug/l

RT: 13.24 min Scan# 1993

Delta R.T. 0.26 min

Lab File: VX017510.D

Acq: 23 Jul 2020 23:12

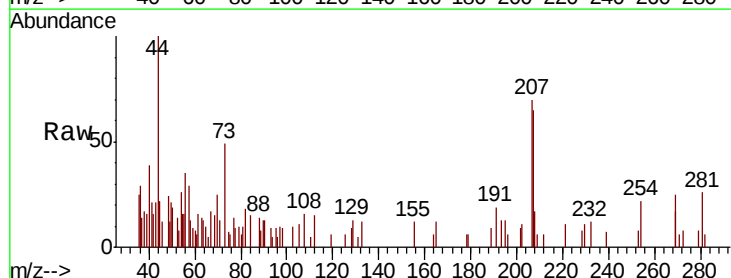
Tgt Ion: 75 Resp: 122

Ion Ratio Lower Upper

75 100

155 46.7 42.3 126.8

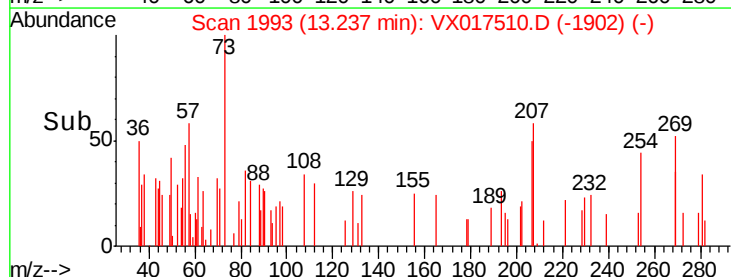
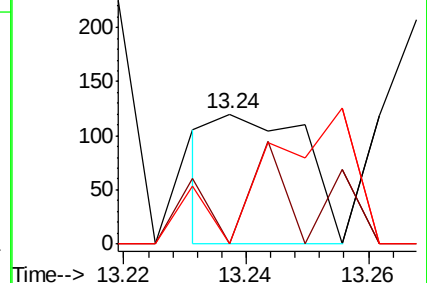
157 68.0 54.3 162.9

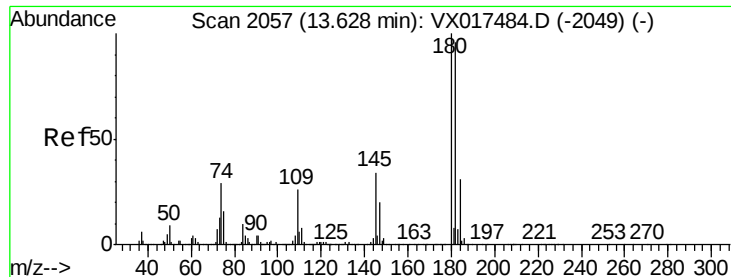


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

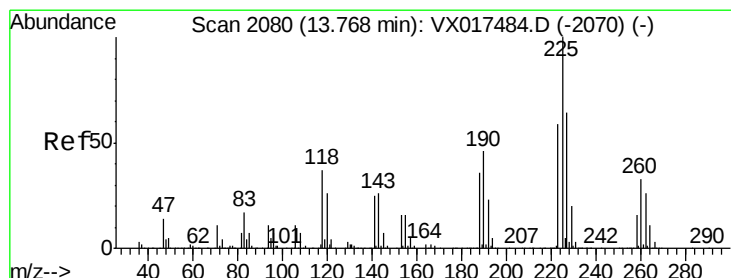
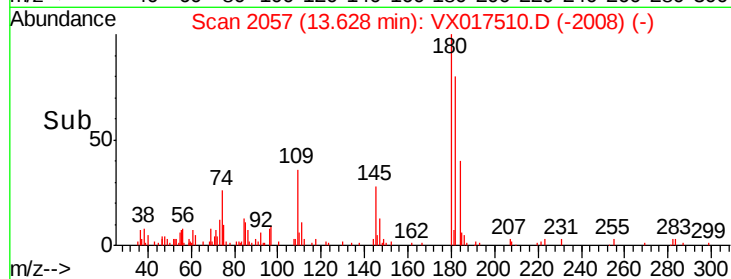
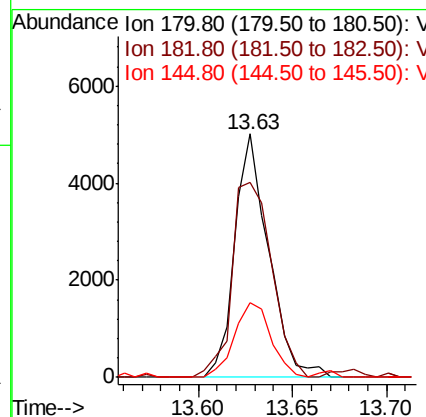
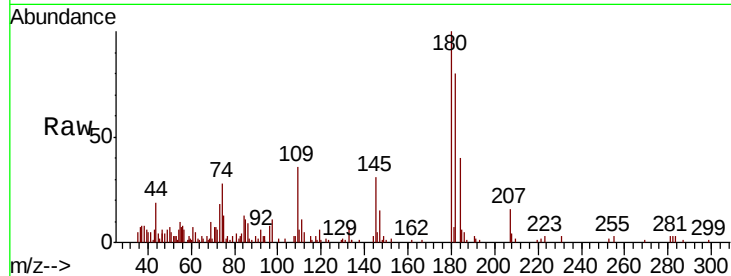




#93
 1,2,4-Trichlorobenzene
 Concen: 0.622 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX017510.D
 Acq: 23 Jul 2020 23:12

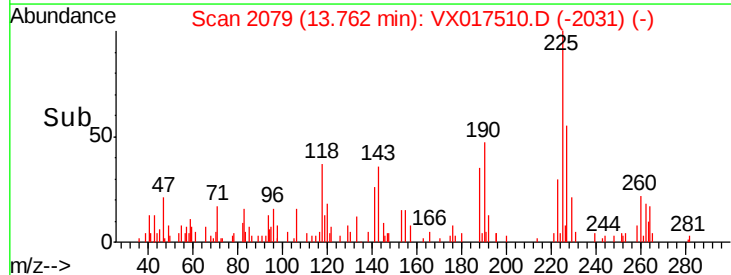
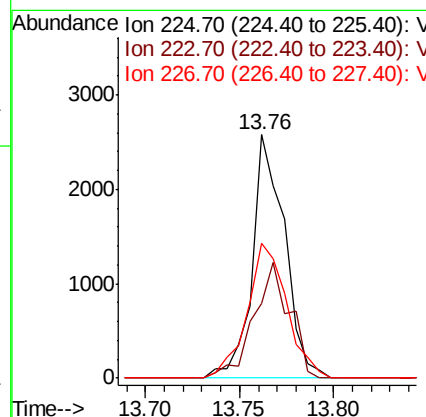
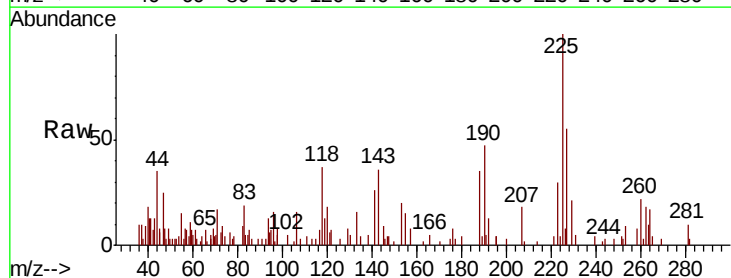
Instrument :
 MSVOA_X
 ClientSampleId :
 PB130403TB

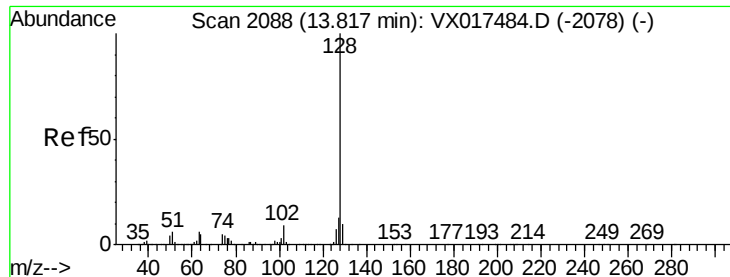
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.5	142.6
145	33.0	15.4	46.4



#94
 Hexachlorobutadiene
 Concen: 0.663 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX017510.D
 Acq: 23 Jul 2020 23:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	52.6	30.3	90.9
227	67.8	31.1	93.2





#95

Naphthalene

Concen: 0.366 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX017510.D

Acq: 23 Jul 2020 23:12

Instrument :

MSVOA_X

ClientSampled :

PB130403TB

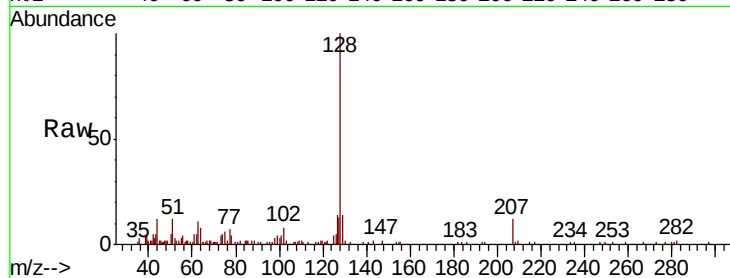
Tot Ion:128 Resp: 10985

Ion Ratio Lower Upper

128 100

127 19.8 10.4 15.6#

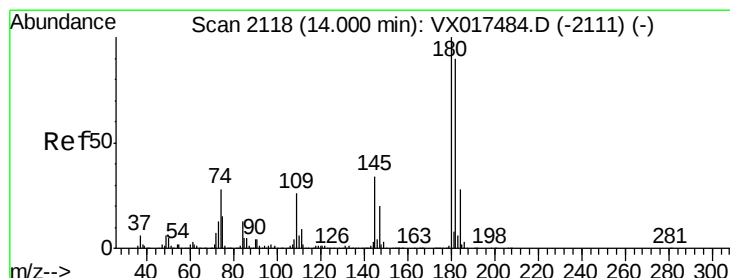
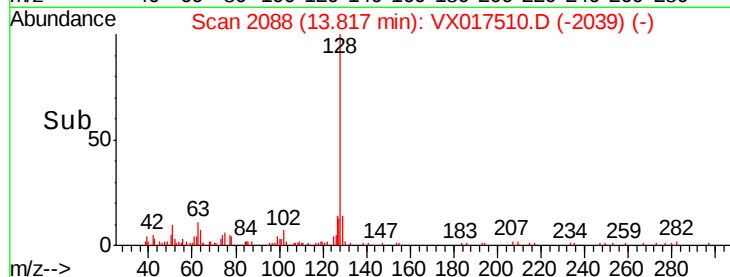
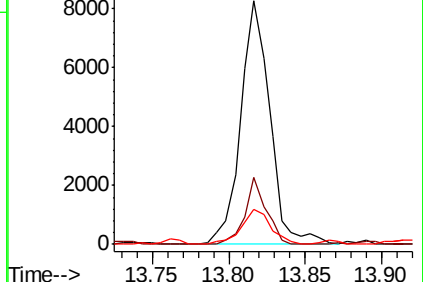
129 14.3 8.9 13.3#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.478 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VX017510.D

Acq: 23 Jul 2020 23:12

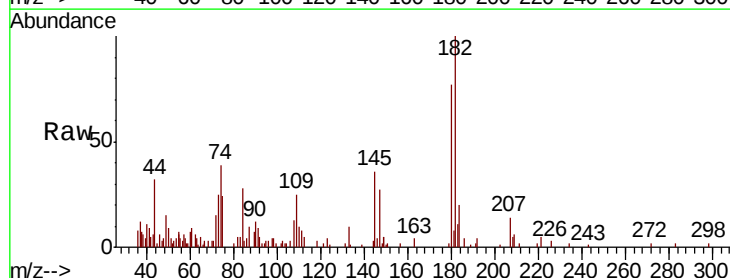
Tgt Ion:180 Resp: 4734

Ion Ratio Lower Upper

180 100

182 102.3 47.4 142.3

145 43.4 16.3 48.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

