

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010320\
 Data File : VX014400.D
 Acq On : 03 Jan 2020 15:04
 Operator : JC/SP
 Sample : K6476-01
 Misc : 6.95u/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP022SB454_191227-12-14

Quant Time: Jan 06 02:32:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	548041	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	821725	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	742879	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	392432	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	287400	46.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.54%	
35) Dibromofluoromethane	5.49	113	234108	46.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.74%	
50) Toluene-d8	8.71	98	993796	51.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.20%	
62) 4-Bromofluorobenzene	11.14	95	372943	52.46	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	3795	0.770	ug/l #	59
6) Chloroethane	1.66	64	8705	2.031	ug/l #	61
9) 1,1,2-Trichlorotrifluoroet	2.34	101	9762	1.884	ug/l	91
10) Methyl Iodide	2.49	142	3557	3.114	ug/l #	92
11) Tert butyl alcohol	3.01	59	8143	6.067	ug/l #	72
14) Allyl chloride	2.81	41	12911	1.372	ug/l #	65
15) Acrylonitrile	3.14	53	3356	1.071	ug/l #	44
16) Acetone	2.46	43	8556	2.122	ug/l	96
17) Carbon Disulfide	2.53	76	4869	1.078	ug/l #	75
18) Methyl Acetate	2.81	43	44600	5.582	ug/l #	51
20) Methylene Chloride	2.83	84	2198	0.346	ug/l #	74
21) trans-1,2-Dichloroethene	3.14	96	1589	0.274	ug/l #	91
24) 1,1-Dichloroethane	3.68	63	3416	0.327	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	6310	0.961	ug/l	80
28) Bromochloromethane	5.00	49	118	0.483	ug/l #	1
31) Cyclohexane	5.57	56	206241	22.221	ug/l #	82
36) 1,1-Dichloropropene	5.65	75	35484	4.706	ug/l #	50
38) Carbon Tetrachloride	5.65	117	49207	7.164	ug/l #	16
39) Methylcyclohexane	7.45	83	641515	68.907	ug/l	99
40) Benzene	6.13	78	269852	11.632	ug/l	96
43) Isopropyl Acetate	6.33	43	104721	7.600	ug/l #	61
44) Trichloroethene	7.21	130	2762	0.431	ug/l	73
48) Methyl methacrylate	7.73	41	28330	4.199	ug/l #	49
49) 1,4-Dioxane	7.73	88	501	3.649	ug/l #	1
51) 4-Methyl-2-Pentanone	8.67	43	61785	7.140	ug/l #	60
52) Toluene	8.78	92	457995	31.234	ug/l	100
55) 1,1,2-Trichloroethane	9.16	97	76400	13.000	ug/l #	19
56) Ethyl methacrylate	9.16	69	16645	1.803	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.33	63	1816	0.520	ug/l #	66
59) 2-Hexanone	9.44	43	174582	25.061	ug/l #	29
64) Tetrachloroethene	9.33	164	19426	2.955	ug/l	97
65) Chlorobenzene	10.14	112	10080302	638.180	ug/l	91
67) Ethyl Benzene	10.25	91	364264	13.414	ug/l	100
68) m/p-Xylenes	10.35	106	567212	54.307	ug/l	99

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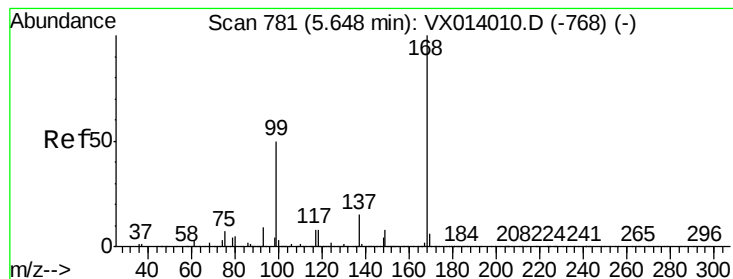
Instrument :
 MSVOA_X
 ClientSampleId :
 WP022SB454_191227-12-14

Quant Time: Jan 06 02:32:04 2020
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

69) o-Xylene	10.70	106	187748	18.328	uq/l	98
70) Styrene	10.70	104	11914	0.688	uq/l #	1
73) Isopropylbenzene	11.01	105	158881	5.750	uq/l	99
74) N-amyl acetate	10.88	43	108991	8.415	uq/l #	46
75) 1,1,2,2-Tetrachloroethane	11.27	83	221542	23.127	uq/l #	26
76) 1,2,3-Trichloropropane	11.43	75	14575	1.711	uq/l #	1
77) Bromobenzene	11.26	156	1846	0.243	uq/l #	1
78) n-propylbenzene	11.35	91	547644	17.670	uq/l	99
79) 2-Chlorotoluene	11.43	91	226185	12.006	uq/l #	45
80) 1,3,5-Trimethylbenzene	11.50	105	1002753	43.122	uq/l	100
81) trans-1,4-Dichloro-2-buten	11.14	75	170296	56.418	uq/l #	27
82) 4-Chlorotoluene	11.50	91	121958	5.581	uq/l #	53
83) tert-Butylbenzene	11.77	119	56261	2.486	uq/l	88
84) 1,2,4-Trimethylbenzene	11.81	105	2173572	93.337	uq/l	99
85) sec-Butylbenzene	11.95	105	326834	12.234	uq/l	99
86) p-Isopropyltoluene	12.06	119	286515	11.725	uq/l	99
87) 1,3-Dichlorobenzene	12.03	146	1386976	104.100	uq/l	94
88) 1,4-Dichlorobenzene	12.10	146	5895486	435.176	uq/l	98
89) n-Butylbenzene	12.39	91	664847	31.885	uq/l #	43
90) Hexachloroethane	12.59	117	46809	10.664	uq/l #	6
91) 1,2-Dichlorobenzene	12.39	146	11295643	842.189	uq/l	93
92) 1,2-Dibromo-3-Chloropropan	13.01	75	7869	3.712	uq/l #	3
93) 1,2,4-Trichlorobenzene	13.64	180	725773	83.256	uq/l	95
94) Hexachlorobutadiene	13.78	225	2398	0.572	uq/l	93
95) Naphthalene	13.83	128	2051783	80.110	uq/l	98
96) 1,2,3-Trichlorobenzene	14.01	180	152279	17.696	uq/l #	87

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

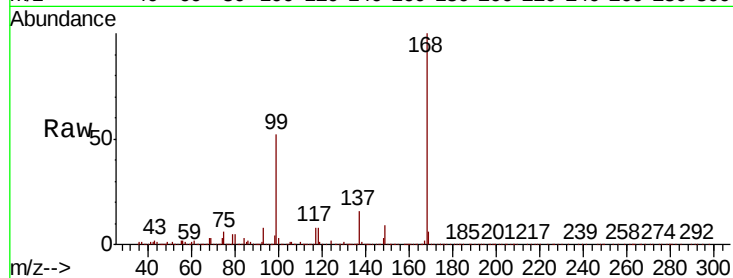
WP022SB454_191227-12-14

Tot Ion:168 Resp: 548041

Ion Ratio Lower Upper

168 100

99 51.4 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

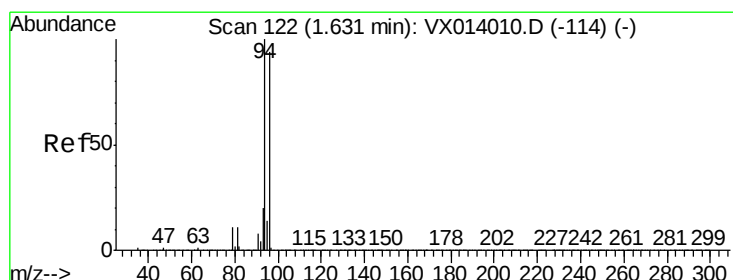
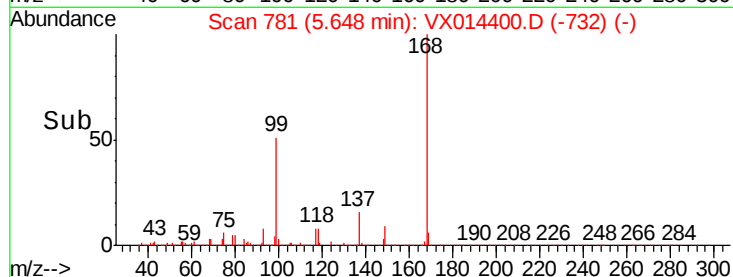
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.770 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.01 min

Lab File: VX014400.D

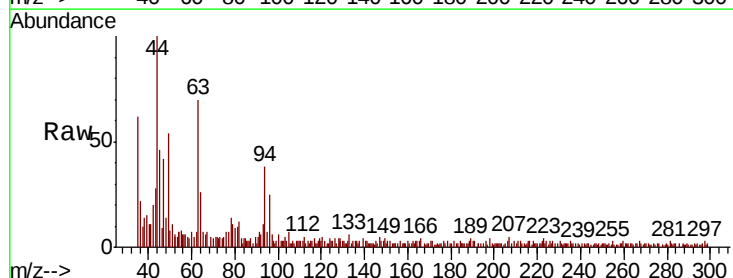
Acq: 03 Jan 2020 15:04

Tgt Ion: 94 Resp: 3795

Ion Ratio Lower Upper

94 100

96 54.5 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

3000

2500

2000

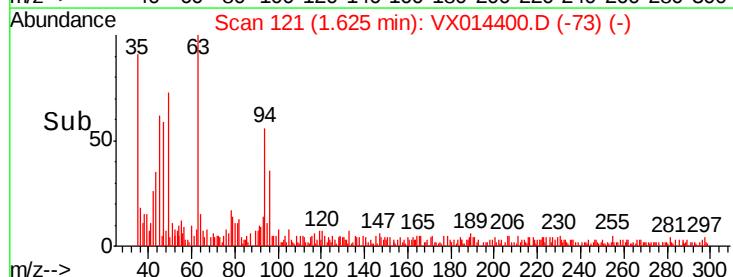
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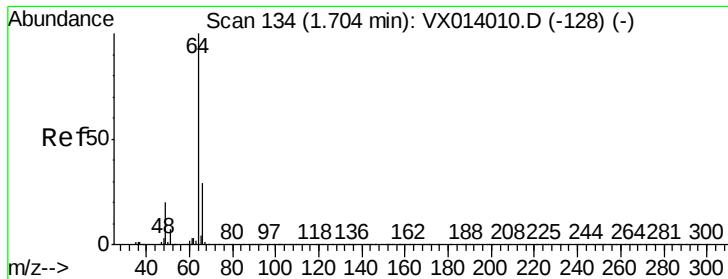
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500

0

Time-->





#6

Chloroethane

Concen: 2.031 ug/l

RT: 1.66 min Scan# 127

Delta R.T. -0.04 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

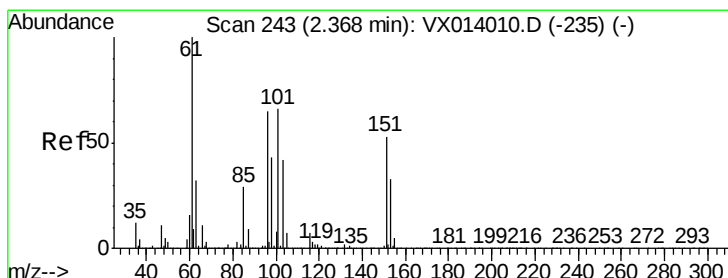
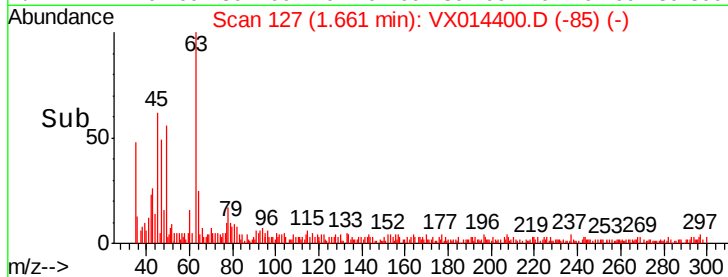
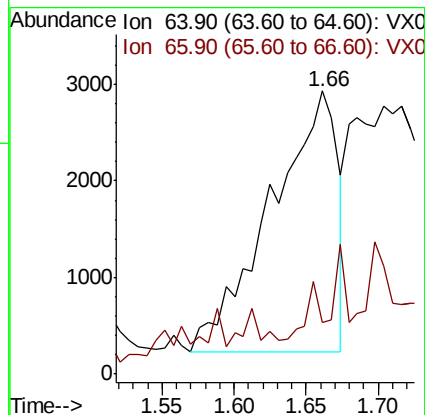
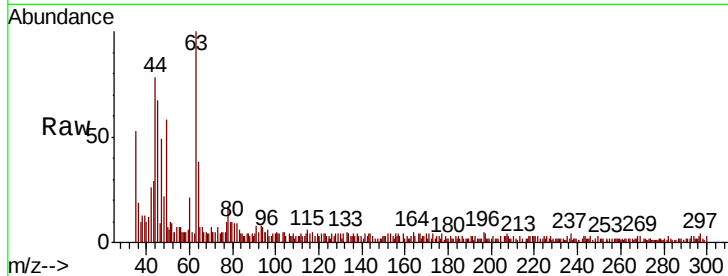
WP022SB454_191227-12-14

Tot Ion: 64 Resp: 8705

Ion Ratio Lower Upper

64 100

66 8.2 23.4 35.2#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.884 ug/l

RT: 2.34 min Scan# 239

Delta R.T. -0.02 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

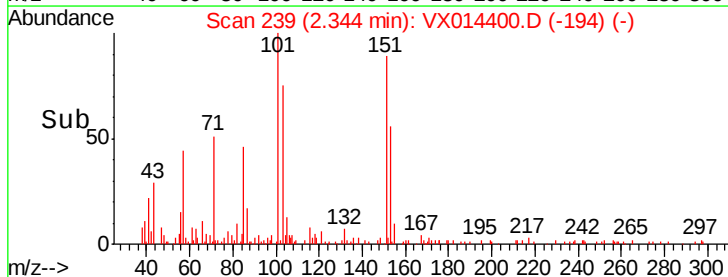
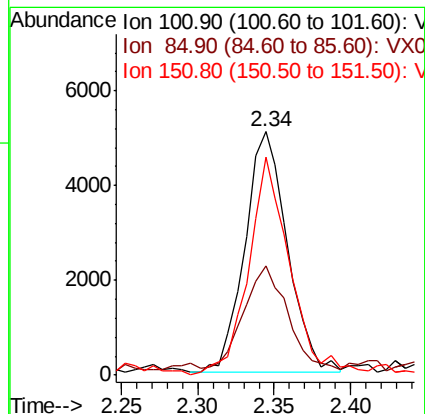
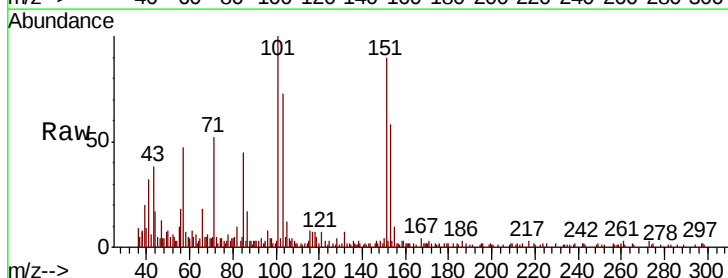
Tgt Ion: 101 Resp: 9762

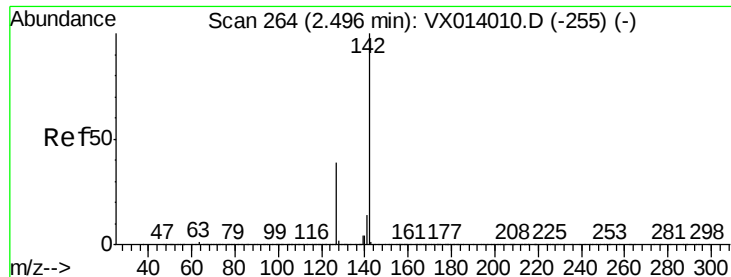
Ion Ratio Lower Upper

101 100

85 47.9 33.7 50.5

151 88.7 64.5 96.7

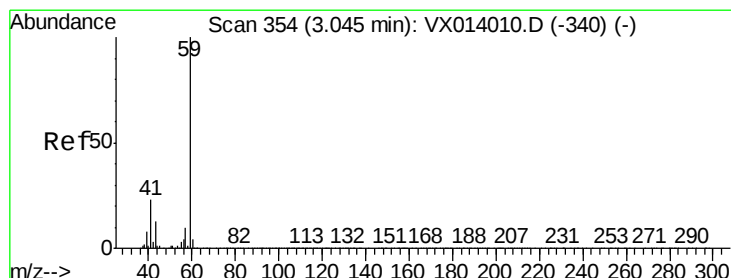
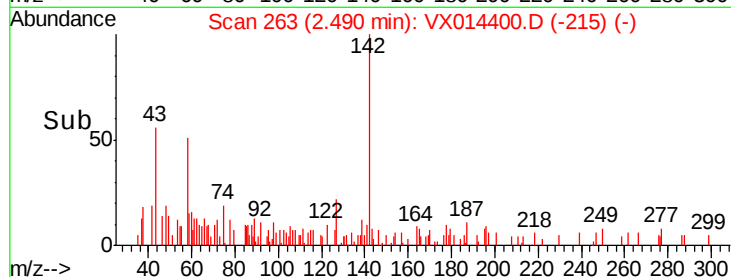
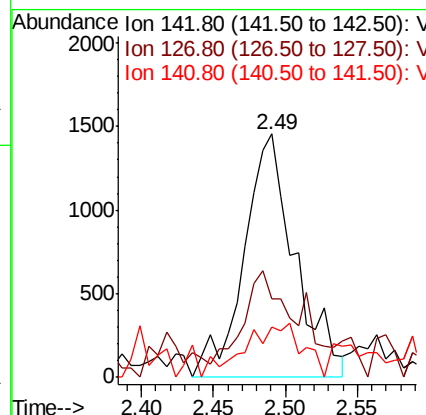
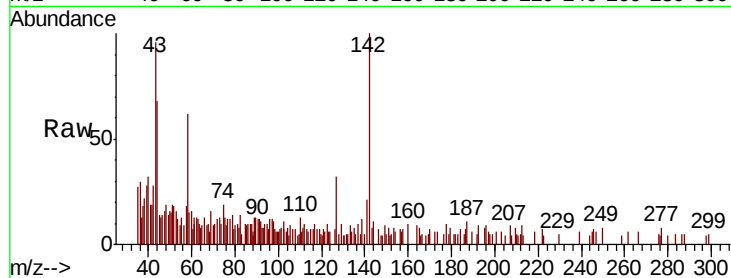




#10
Methvl Iodide
Concen: 3.114 ug/l
RT: 2.49 min Scan# 263
Delta R.T. -0.01 min
Lab File: VX014400.D
Acq: 03 Jan 2020 15:04

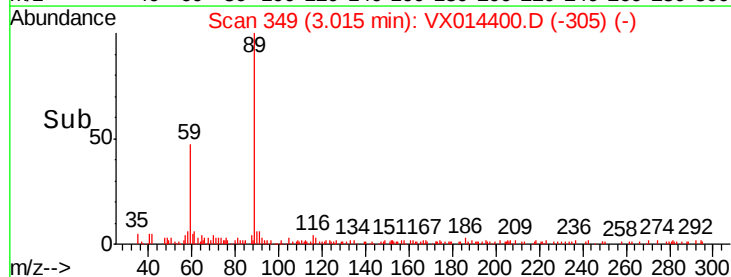
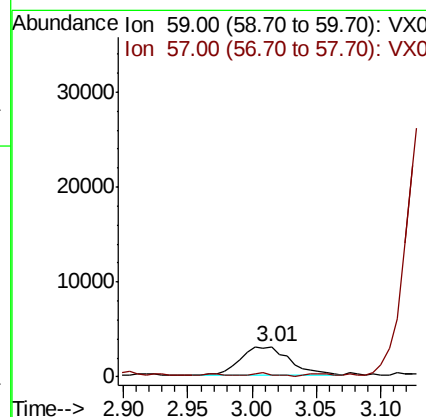
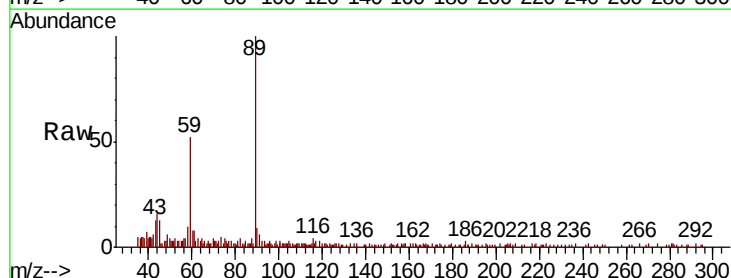
Instrument :
MSVOA_X
ClientSampleId :
WP022SB454_191227-12-14

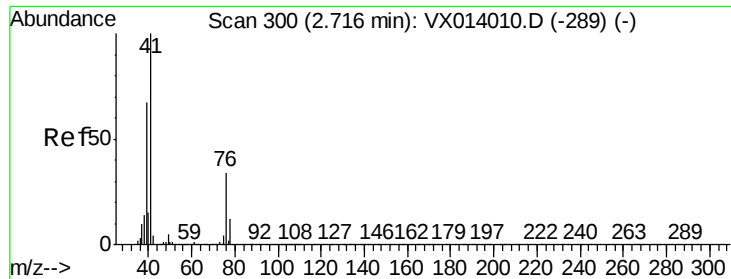
Tot Ion:142 Resp: 3557
Ion Ratio Lower Upper
142 100
127 37.6 31.6 47.4
141 23.2 11.6 17.4#



#11
Tert butyl alcohol
Concen: 6.067 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.03 min
Lab File: VX014400.D
Acq: 03 Jan 2020 15:04

Tgt Ion: 59 Resp: 8143
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

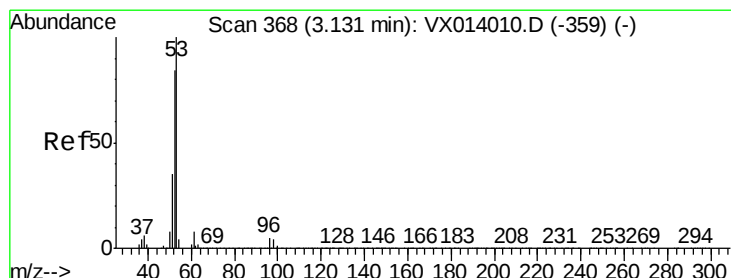
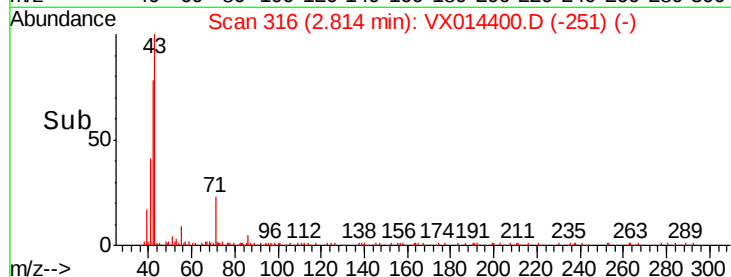
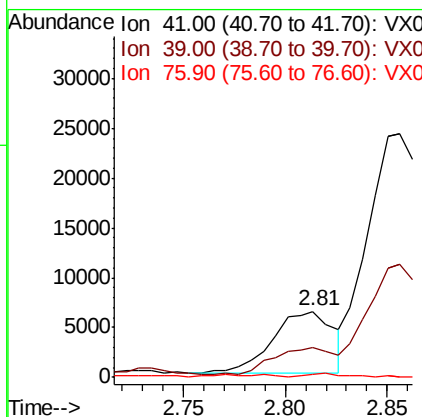
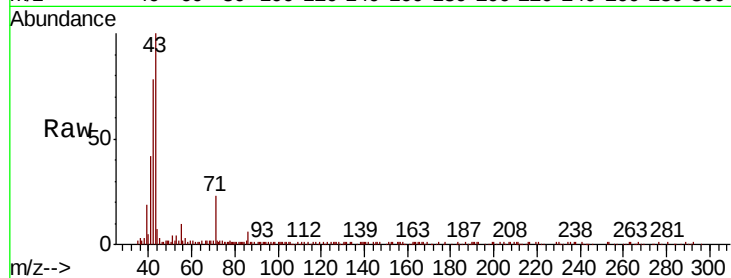




#14
Allvl chloride
Concen: 1.372 ug/l
RT: 2.81 min Scan# 316
Delta R.T. 0.10 min
Lab File: VX014400.D
Acq: 03 Jan 2020 15:04

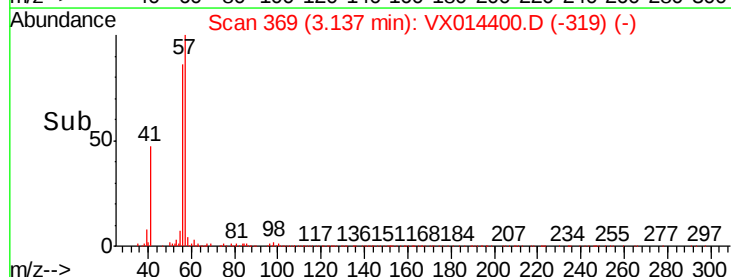
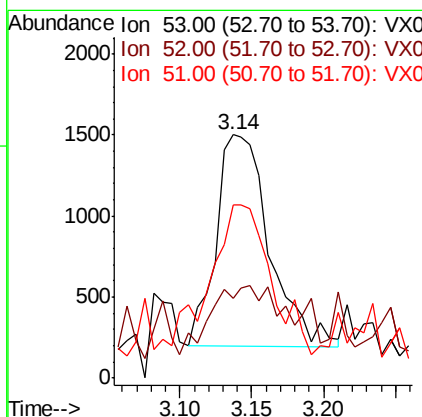
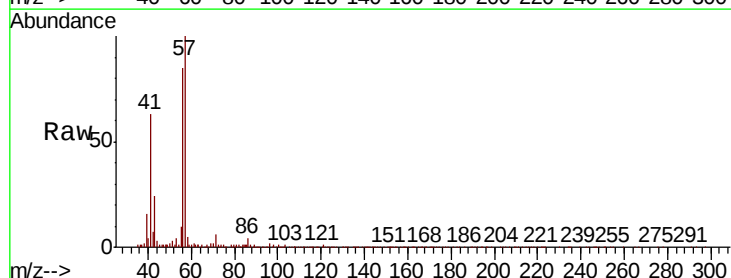
Instrument :
MSVOA_X
ClientSampleId :
WP022SB454_191227-12-14

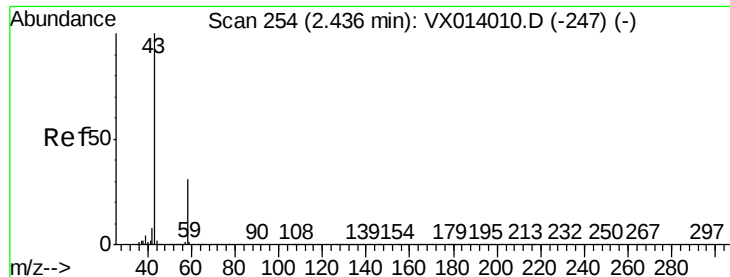
Tot Ion: 41 Resp: 12911
Ion Ratio Lower Upper
41 100
39 42.4 51.8 77.8#
76 4.6 25.9 38.9#



#15
Acrylonitrile
Concen: 1.071 ug/l
RT: 3.14 min Scan# 369
Delta R.T. 0.01 min
Lab File: VX014400.D
Acq: 03 Jan 2020 15:04

Tgt Ion: 53 Resp: 3356
Ion Ratio Lower Upper
53 100
52 41.2 66.5 99.7#
51 81.1 28.1 42.1#





#16

Acetone

Concen: 2.122 ug/l

RT: 2.46 min Scan# 258

Delta R.T. 0.02 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

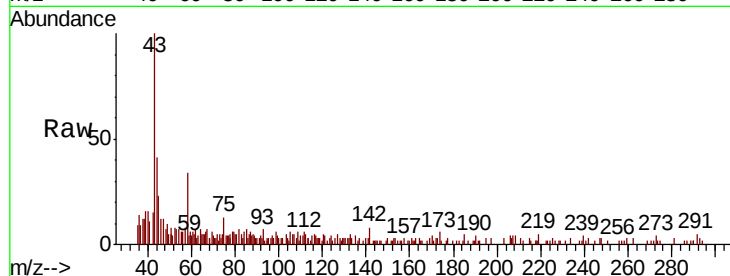
WP022SB454_191227-12-14

Tot Ion: 43 Resp: 8556

Ion Ratio Lower Upper

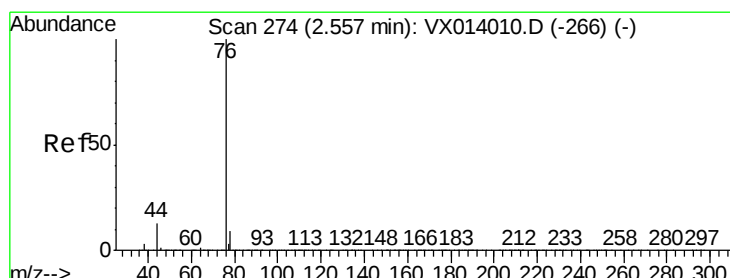
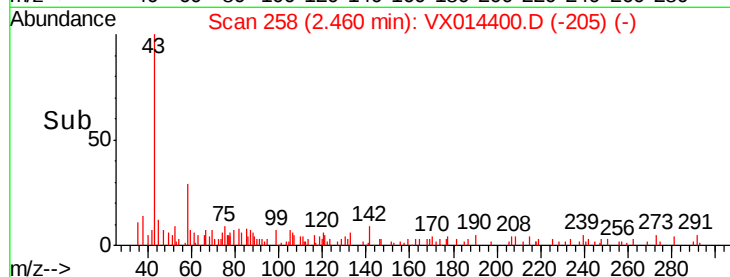
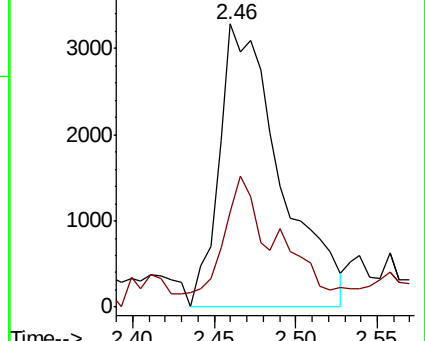
43 100

58 28.7 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 1.078 ug/l

RT: 2.53 min Scan# 270

Delta R.T. -0.02 min

Lab File: VX014400.D

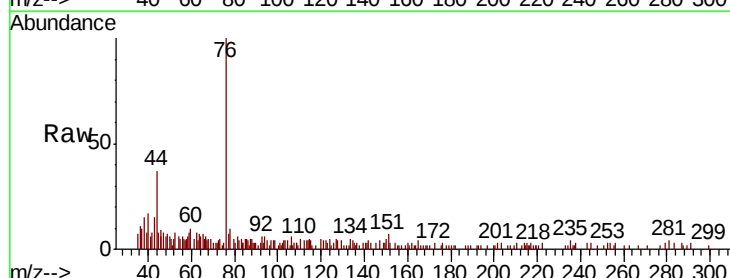
Acq: 03 Jan 2020 15:04

Tgt Ion: 76 Resp: 4869

Ion Ratio Lower Upper

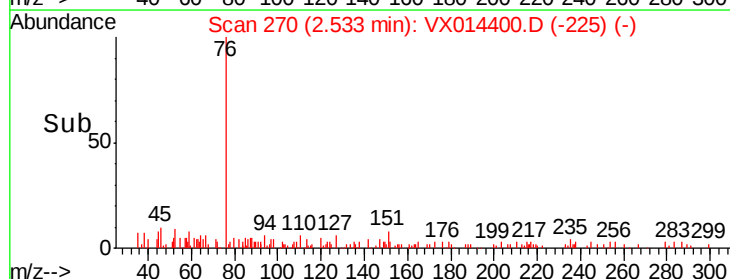
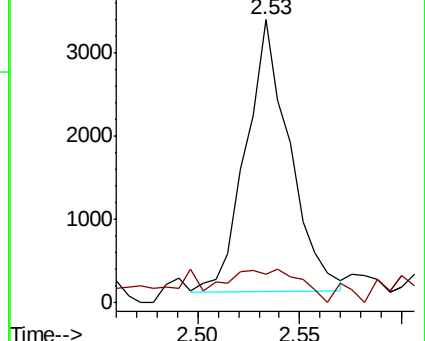
76 100

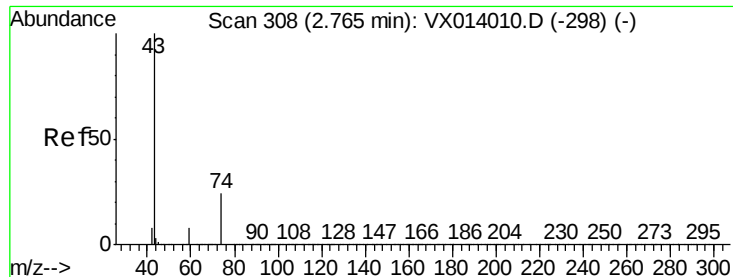
78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

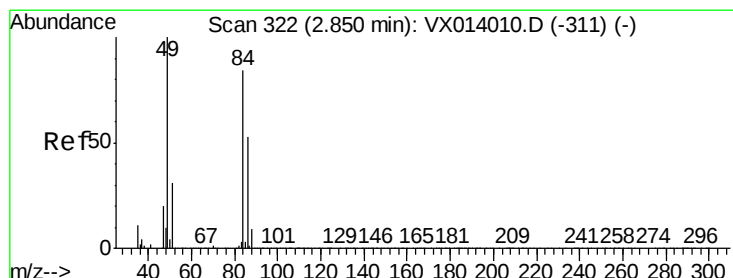
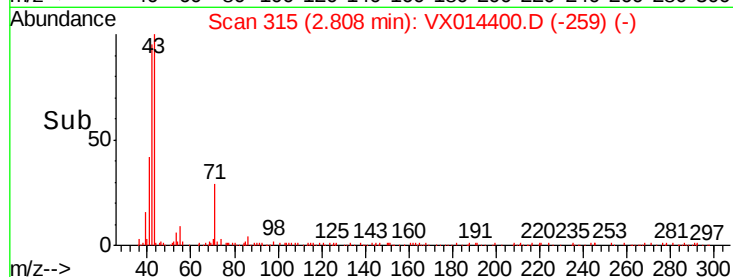
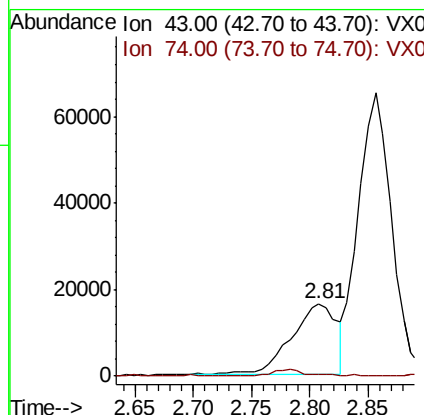
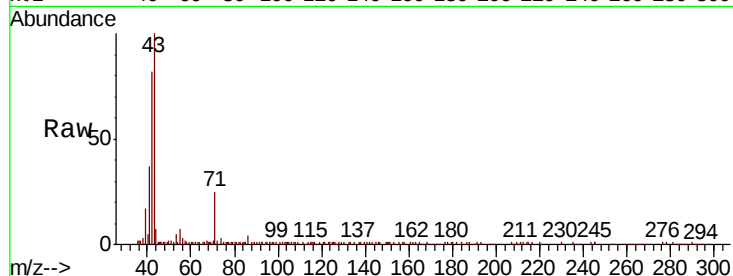




#18
Methyl Acetate
Concen: 5.582 ug/l
RT: 2.81 min Scan# 315
Delta R.T. 0.04 min
Lab File: VX014400.D
Acq: 03 Jan 2020 15:04

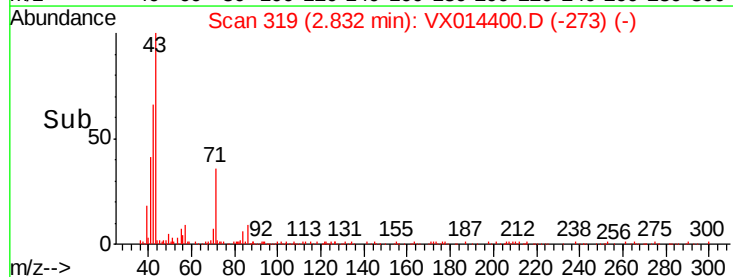
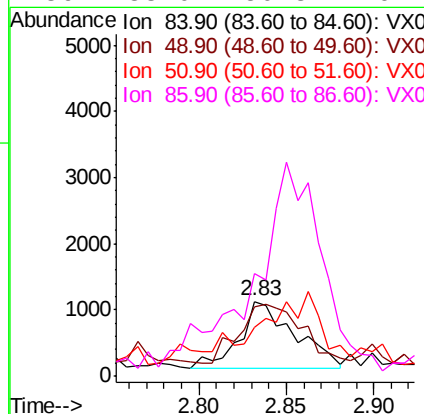
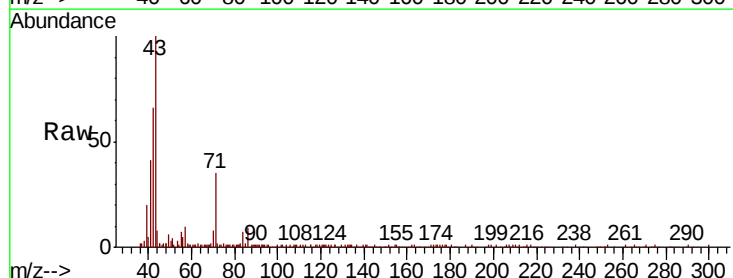
Instrument :
MSVOA_X
ClientSampleId :
WP022SB454_191227-12-14

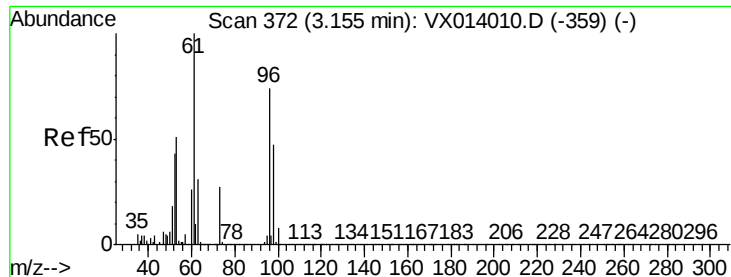
Tot Ion: 43 Resp: 44600
Ion Ratio Lower Upper
43 100
74 0.0 19.5 29.3#



#20
Methylene Chloride
Concen: 0.346 ug/l
RT: 2.83 min Scan# 319
Delta R.T. -0.02 min
Lab File: VX014400.D
Acq: 03 Jan 2020 15:04

Tgt Ion: 84 Resp: 2198
Ion Ratio Lower Upper
84 100
49 83.3 95.8 143.6#
51 34.2 29.8 44.8
86 83.0 50.8 76.2#





#21

trans-1,2-Dichloroethene

Concen: 0.274 ug/l

RT: 3.14 min Scan# 370

Delta R.T. -0.01 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

WP022SB454_191227-12-14

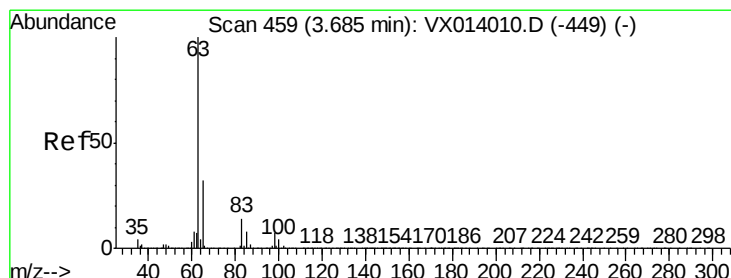
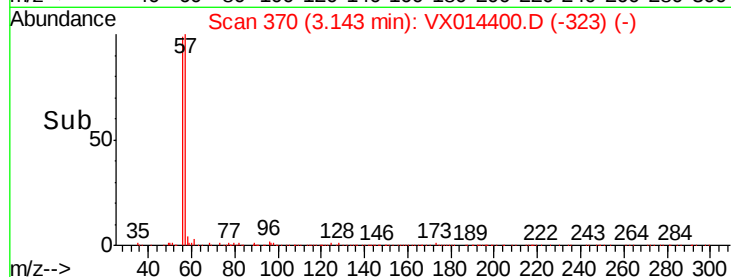
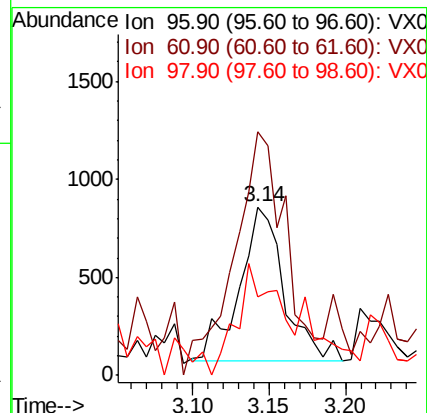
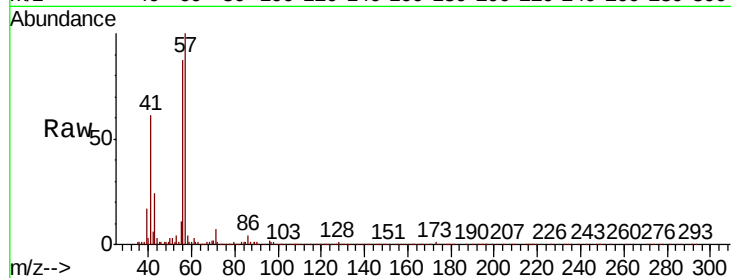
Tot Ion: 96 Resp: 1589

Ion Ratio Lower Upper

96 100

61 135.8 108.3 162.5

98 42.0 50.8 76.2#



#24

1,1-Dichloroethane

Concen: 0.327 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

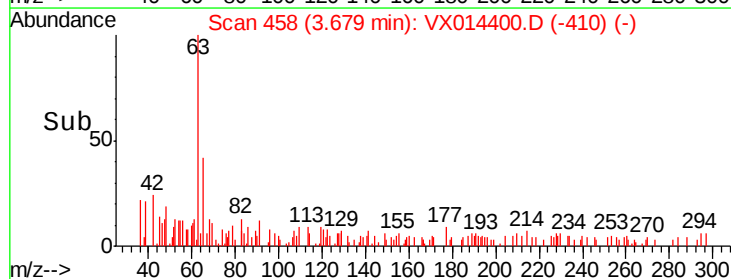
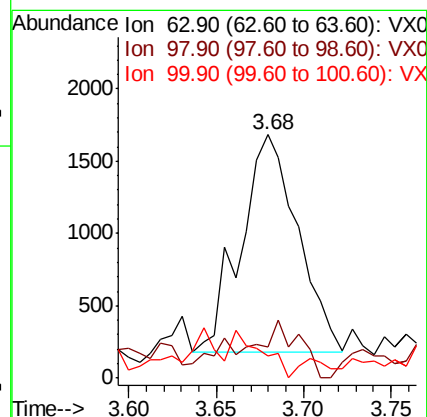
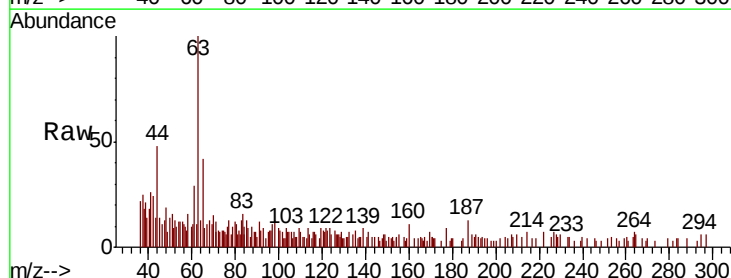
Tgt Ion: 63 Resp: 3416

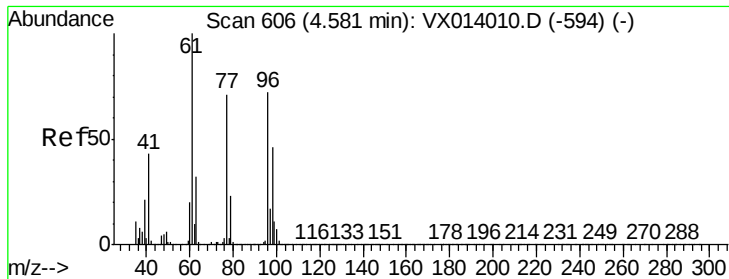
Ion Ratio Lower Upper

63 100

98 7.7 3.6 10.8

100 5.9 2.3 6.8



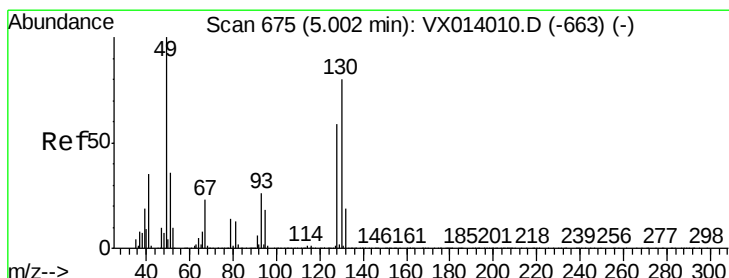
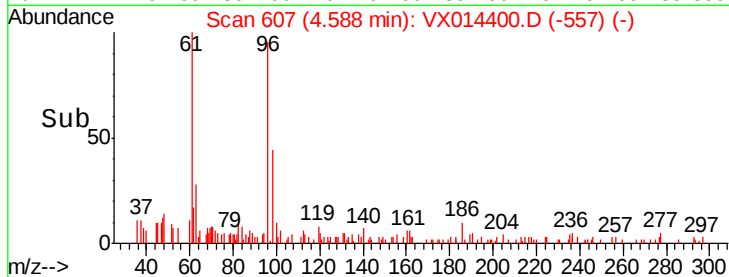
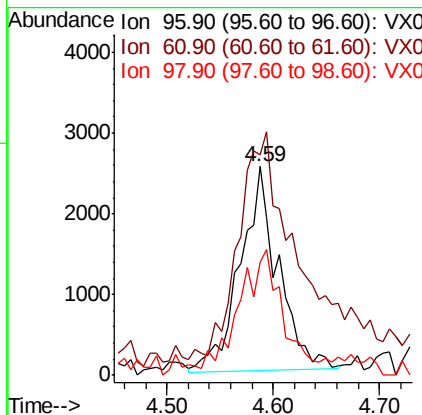
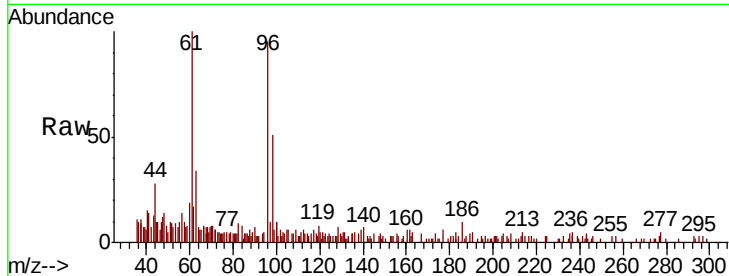


#27

cis-1,2-Dichloroethene
 Concen: 0.961 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VX014400.D
 Acq: 03 Jan 2020 15:04

Instrument :
 MSVOA_X
 ClientSampleId :
 WP022SB454_191227-12-14

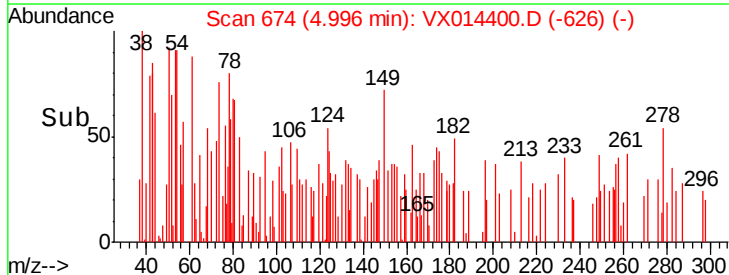
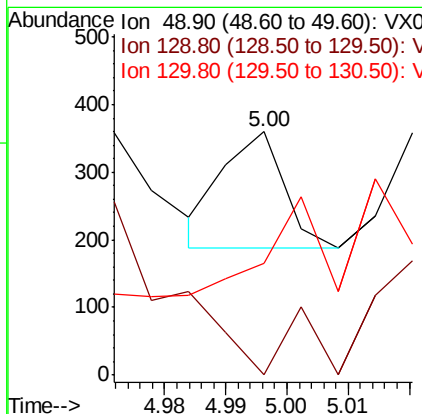
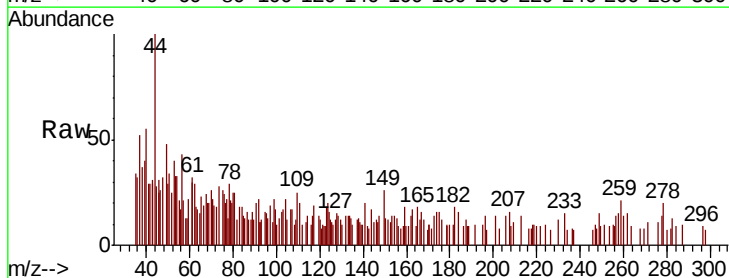
Tot Ion: 96 Resp: 6310
 Ion Ratio Lower Upper
 96 100
 61 179.5 0.0 288.4
 98 63.7 0.0 129.6

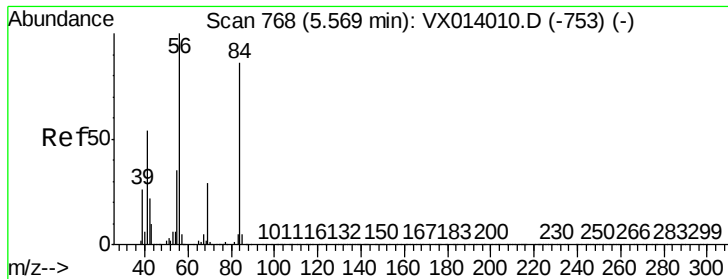


#28

Bromochloromethane
 Concen: 0.483 ug/l
 RT: 5.00 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: VX014400.D
 Acq: 03 Jan 2020 15:04

Tgt Ion: 49 Resp: 118
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 5.0
 130 200.8 64.6 97.0#

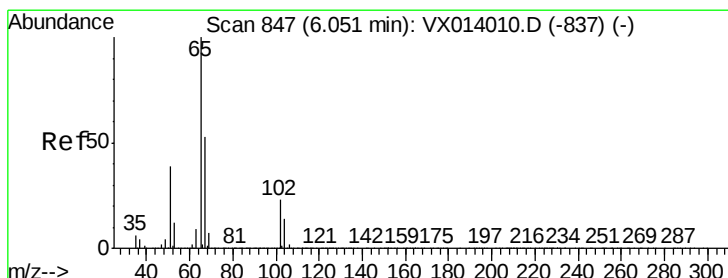
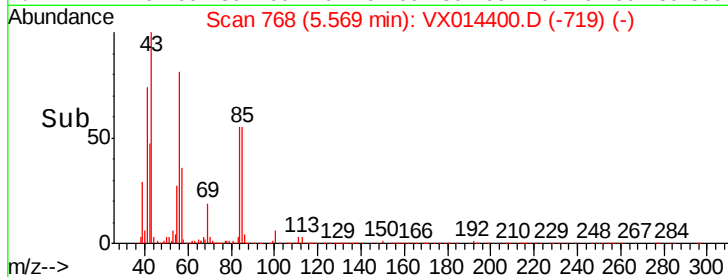
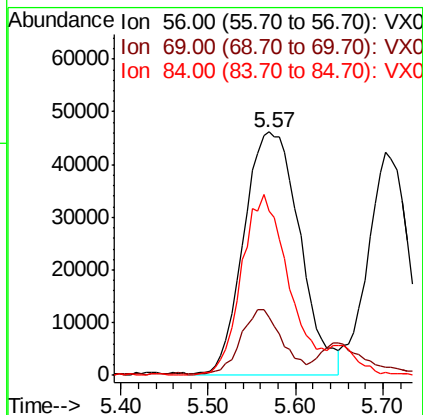
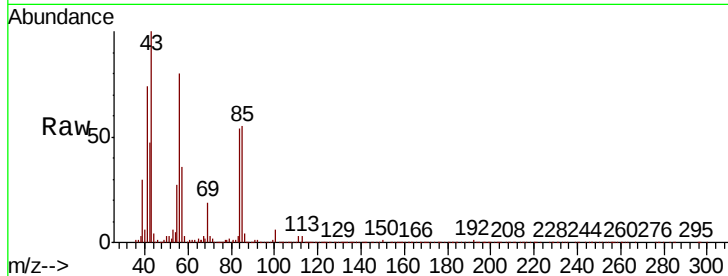




#31
Cyclohexane
Concen: 22.221 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX014400.D
Acq: 03 Jan 2020 15:04

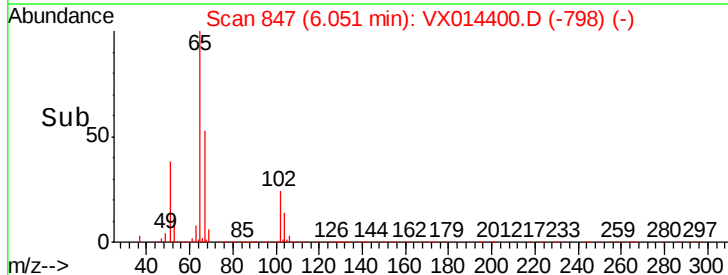
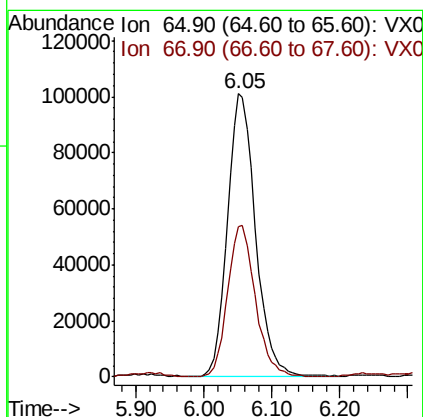
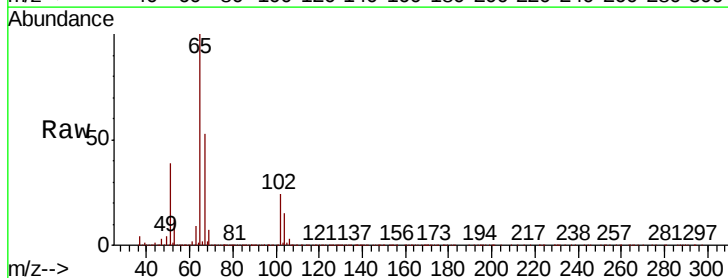
Instrument :
MSVOA_X
ClientSampleId :
WP022SB454_191227-12-14

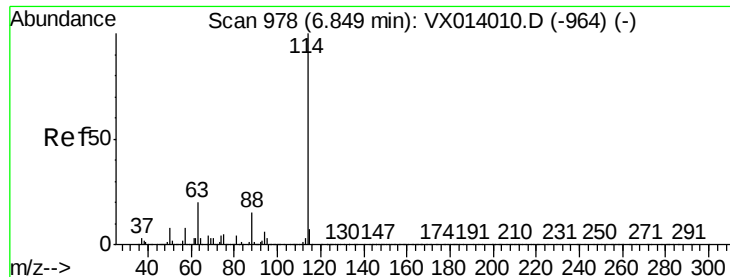
Tot Ion: 56 Resp: 206241
Ion Ratio Lower Upper
56 100
69 23.0 23.2 34.8#
84 67.3 69.2 103.8#



#33
1,2-Dichloroethane-d4
Concen: 46.271 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX014400.D
Acq: 03 Jan 2020 15:04

Tgt Ion: 65 Resp: 287400
Ion Ratio Lower Upper
65 100
67 52.8 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

WP022SB454_191227-12-14

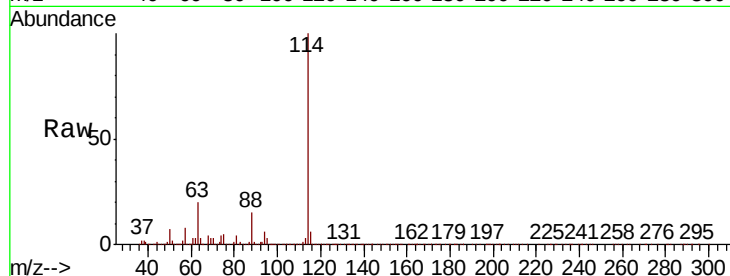
Tot Ion:114 Resp: 821725

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.8

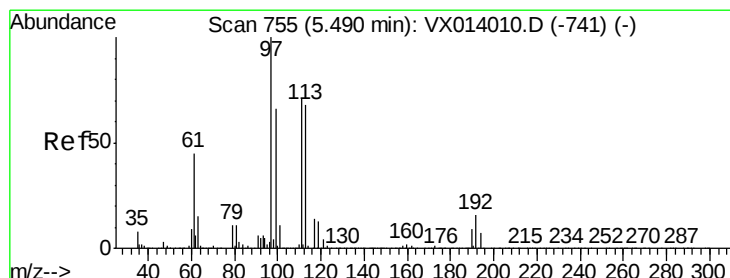
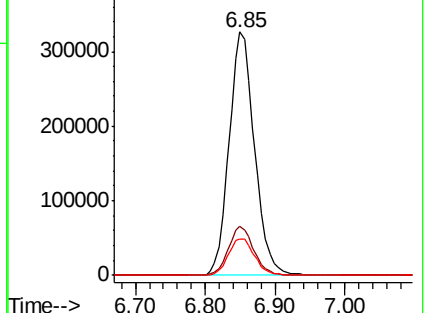
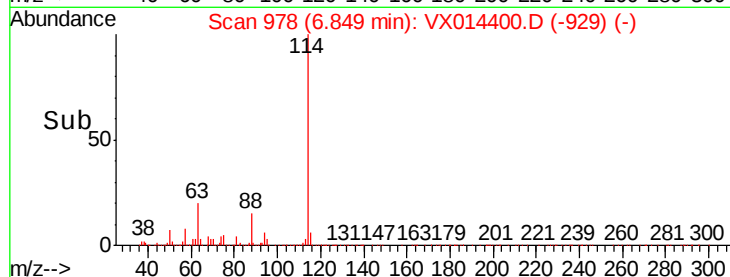
88 15.0 0.0 30.4



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: 46.867 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

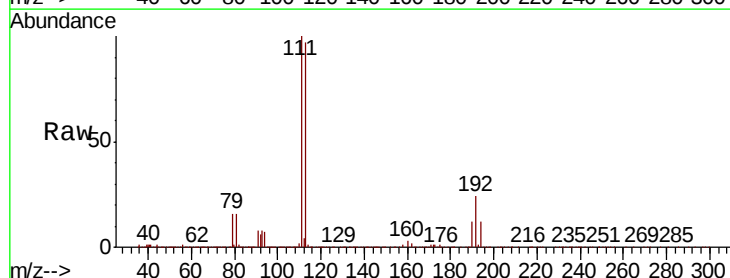
Tgt Ion:113 Resp: 234108

Ion Ratio Lower Upper

113 100

111 101.3 82.0 123.0

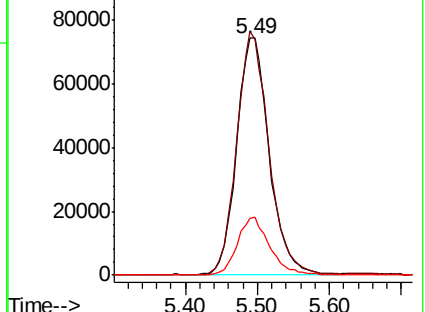
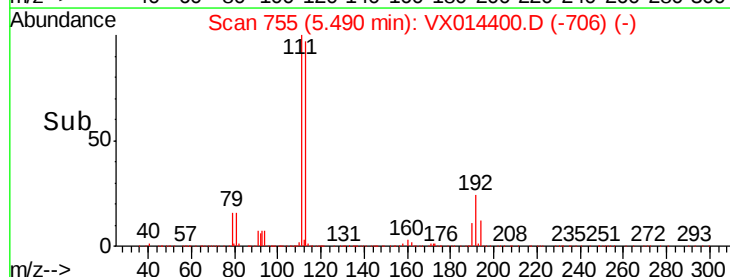
192 24.1 19.3 28.9

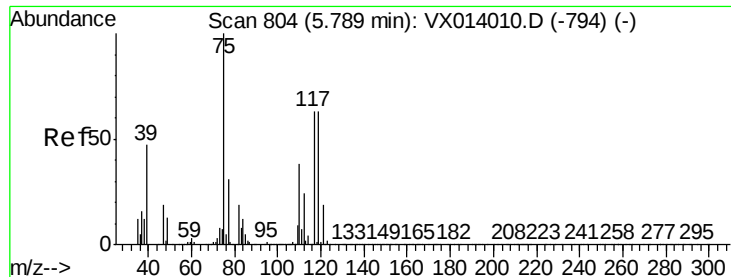


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.706 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

WP022SB454_191227-12-14

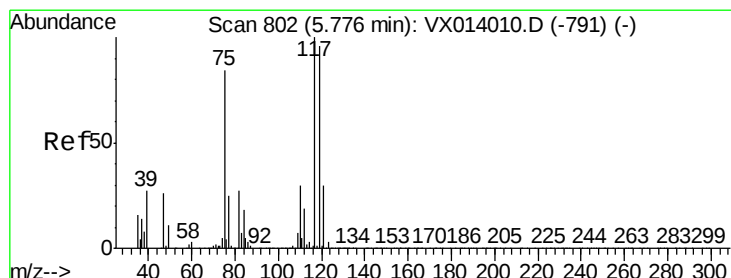
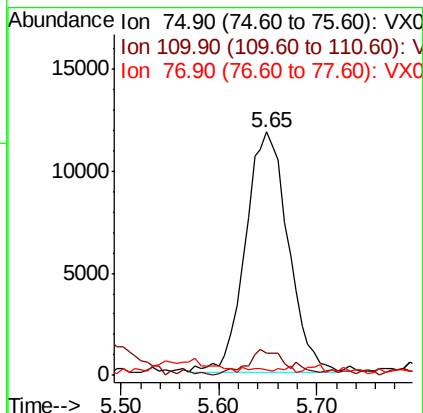
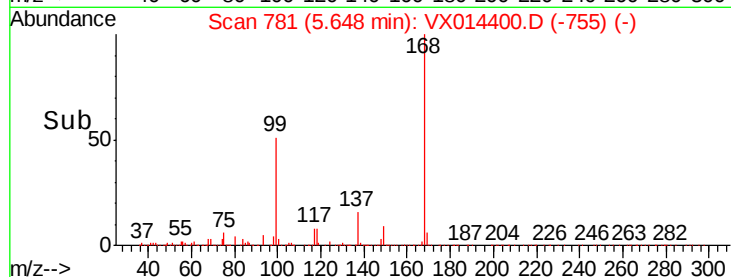
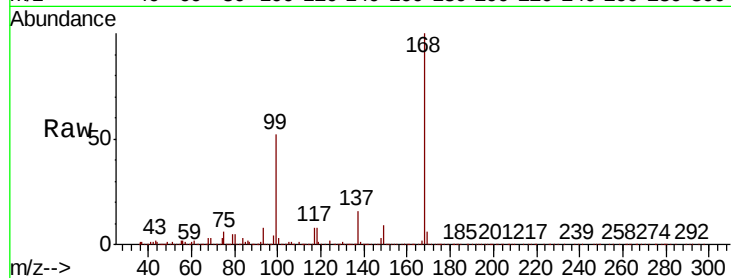
Tot Ion: 75 Resp: 35484

Ion Ratio Lower Upper

75 100

110 10.2 18.3 54.9#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 7.164 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

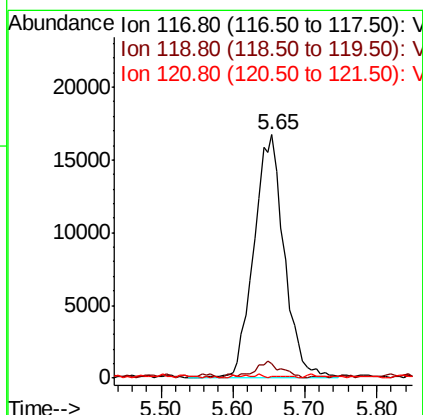
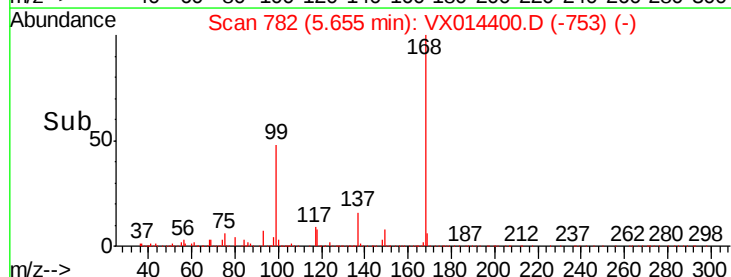
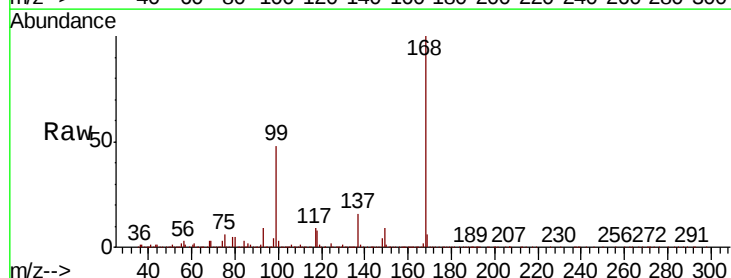
Tgt Ion: 117 Resp: 49207

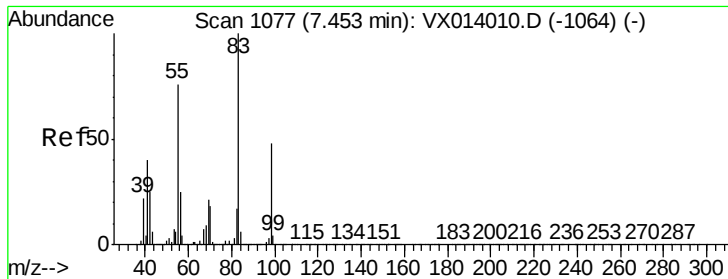
Ion Ratio Lower Upper

117 100

119 5.2 76.2 114.4#

121 0.0 23.6 35.4#

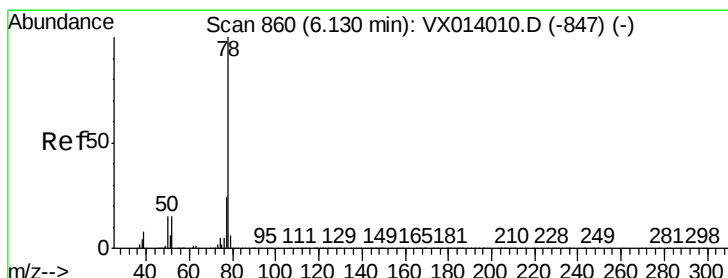
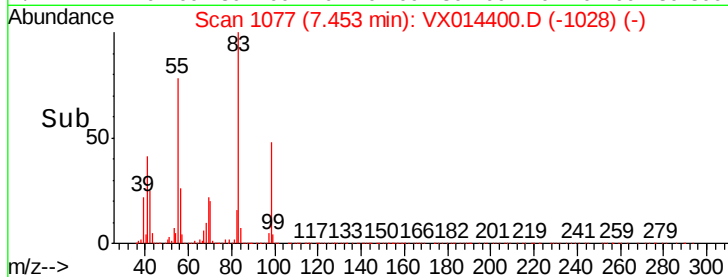
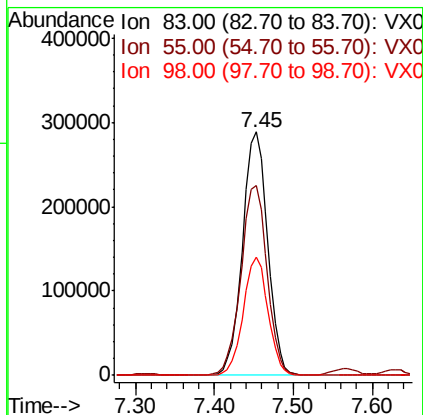
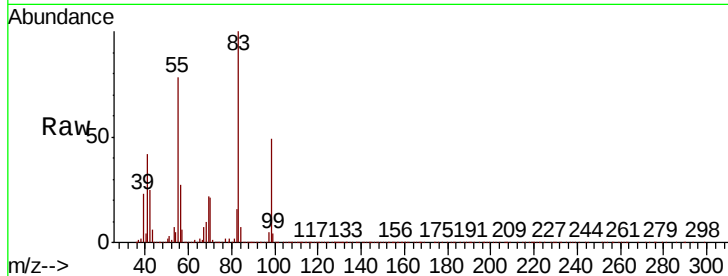




#39
Methvlcvclohexane
Concen: 68.907 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VX014400.D
Acq: 03 Jan 2020 15:04

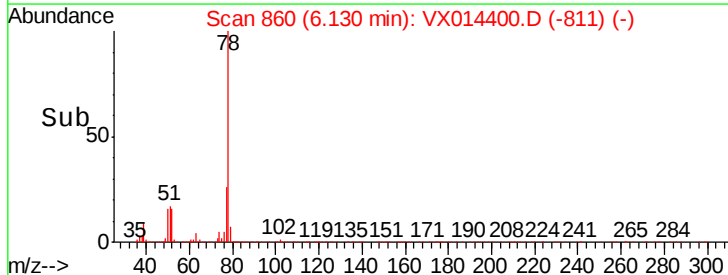
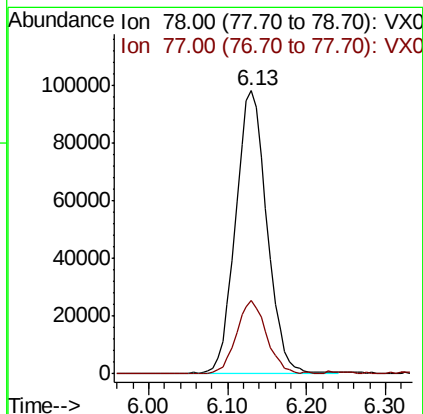
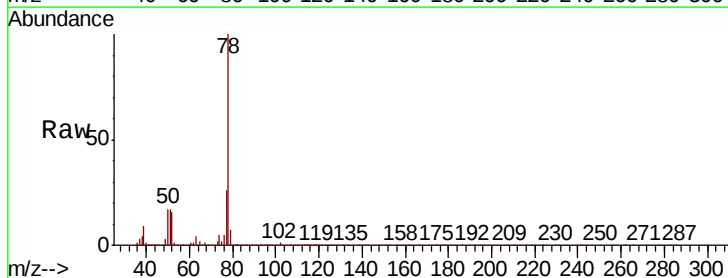
Instrument :
MSVOA_X
ClientSampleId :
WP022SB454_191227-12-14

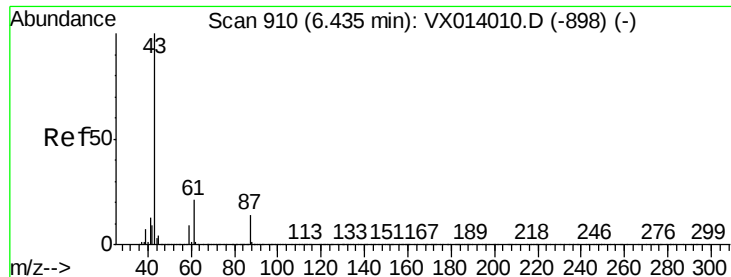
Tot Ion	Ratio	Lower	Upper
83	100		
55	78.0	61.0	91.6
98	48.6	38.6	57.8



#40
Benzene
Concen: 11.632 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX014400.D
Acq: 03 Jan 2020 15:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.5	18.8	28.2





#43

Isopropyl Acetate

Concen: 7.600 ug/l

RT: 6.33 min Scan# 893

Delta R.T. -0.10 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

WP022SB454_191227-12-14

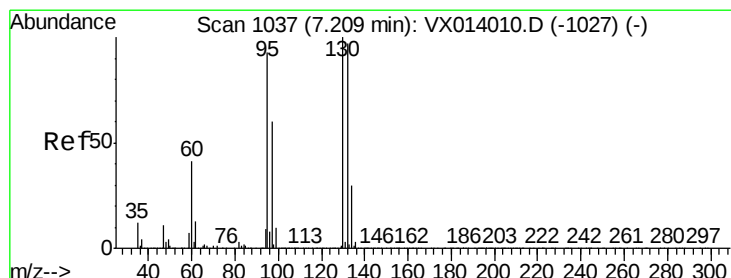
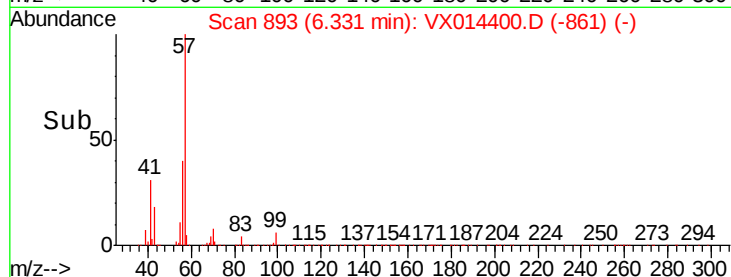
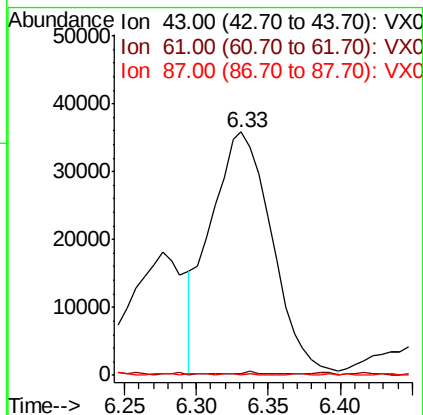
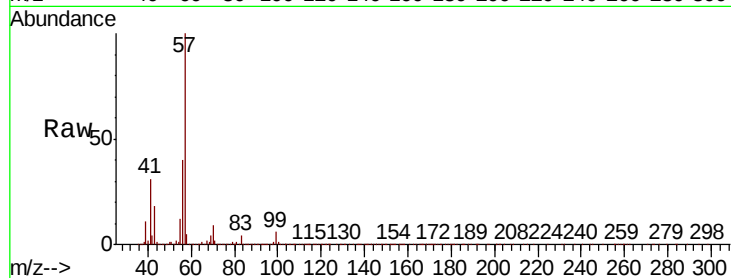
Tot Ion: 43 Resp: 104721

Ion Ratio Lower Upper

43 100

61 0.3 16.4 24.6#

87 0.3 10.7 16.1#



#44

Trichloroethene

Concen: 0.431 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX014400.D

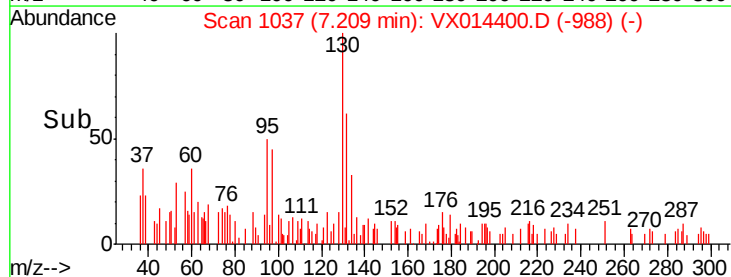
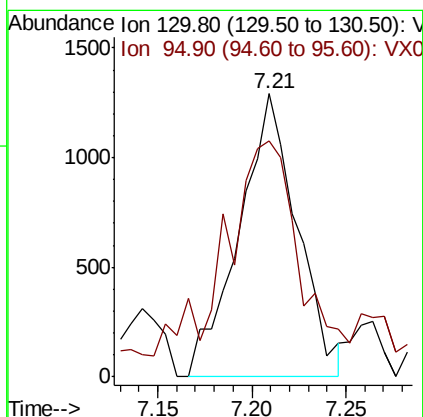
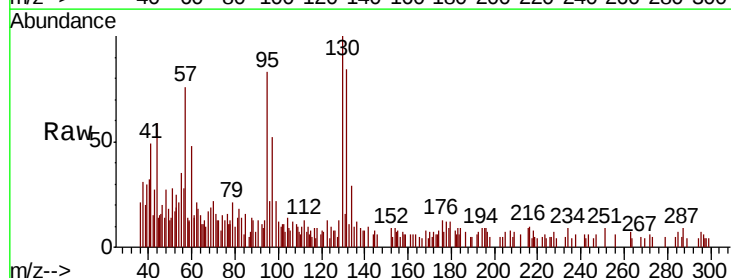
Acq: 03 Jan 2020 15:04

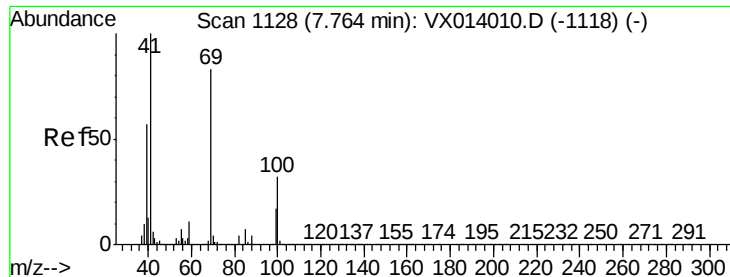
Tgt Ion:130 Resp: 2762

Ion Ratio Lower Upper

130 100

95 66.5 0.0 185.6





#48

Methvl methacrylate

Concen: 4.199 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.04 min

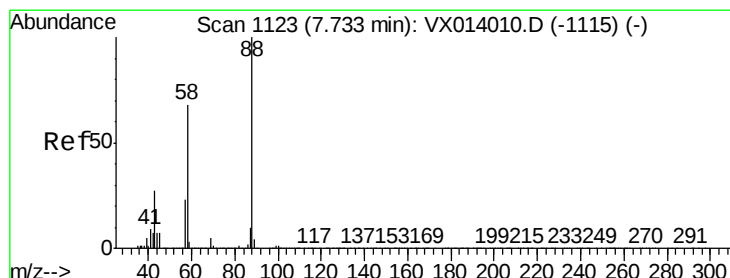
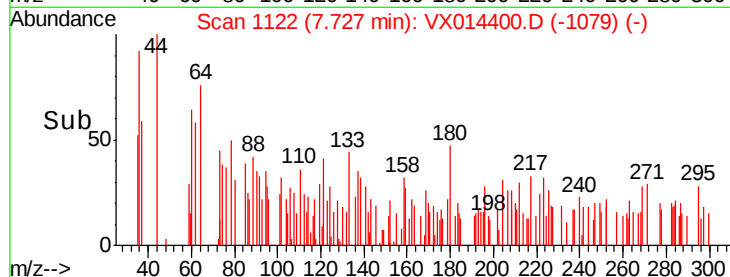
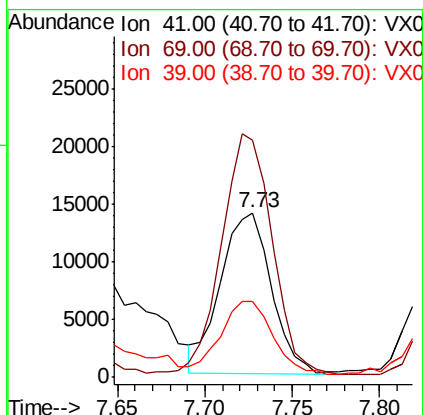
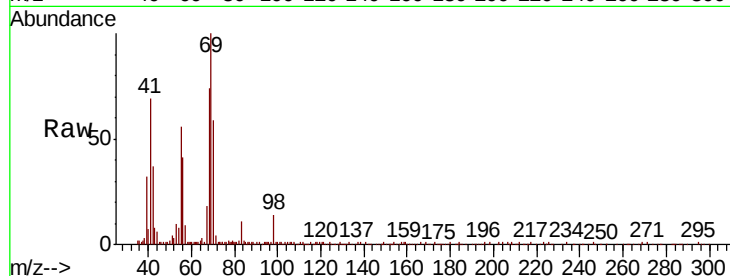
Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

Instrument :
MSVOA_X
ClientSampleId :
WP022SB454_191227-12-14

Tot Ion: 41 Resp: 28330

Ion	Ratio	Lower	Upper
41	100		
69	151.2	65.8	98.6#
39	45.9	44.6	67.0



#49

1,4-Dioxane

Concen: 3.649 ug/l

RT: 7.73 min Scan# 1123

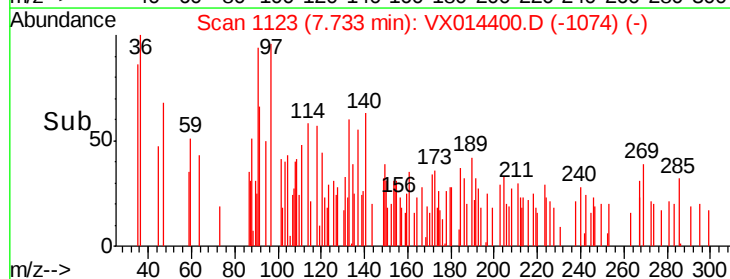
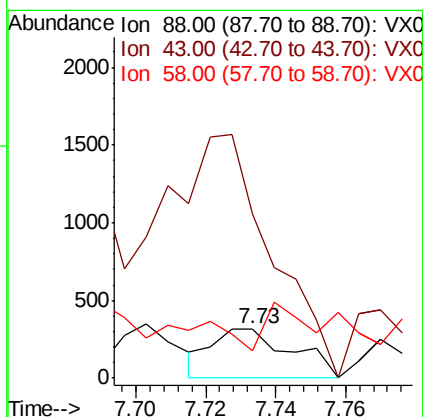
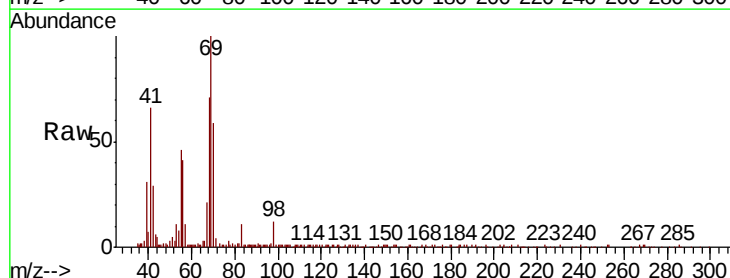
Delta R.T. 0.00 min

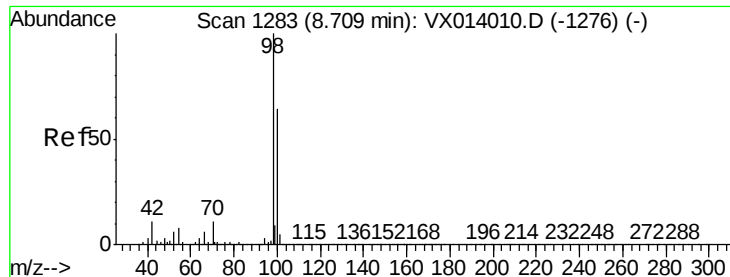
Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

Tgt Ion: 88 Resp: 501

Ion	Ratio	Lower	Upper
88	100		
43	669.5	26.5	39.7#
58	104.4	56.8	85.2#





#50

Toluene-d8

Concen: 51.102 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

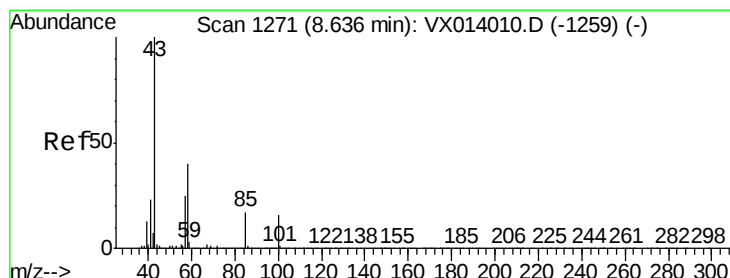
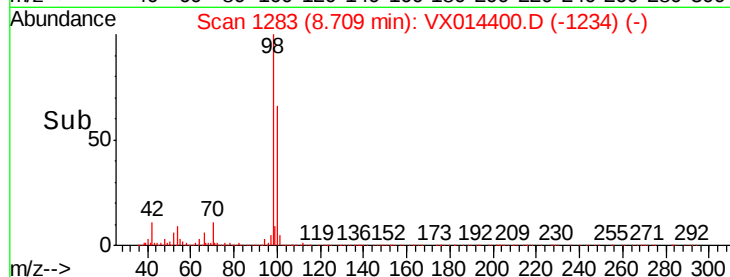
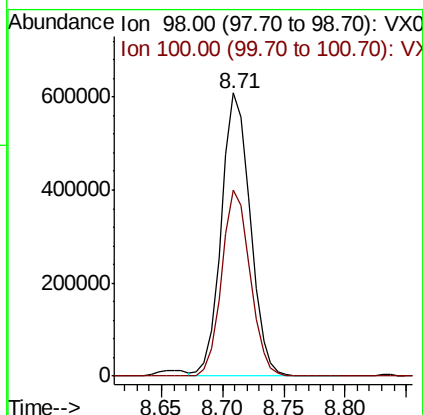
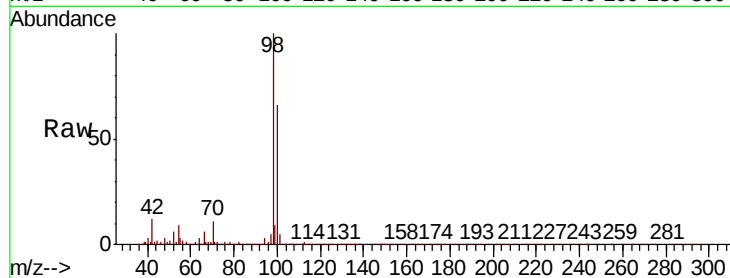
WP022SB454_191227-12-14

Tot Ion: 98 Resp: 993796

Ion Ratio Lower Upper

98 100

100 64.5 52.9 79.3



#51

4-Methyl-2-Pentanone

Concen: 7.140 ug/l

RT: 8.67 min Scan# 1276

Delta R.T. 0.03 min

Lab File: VX014400.D

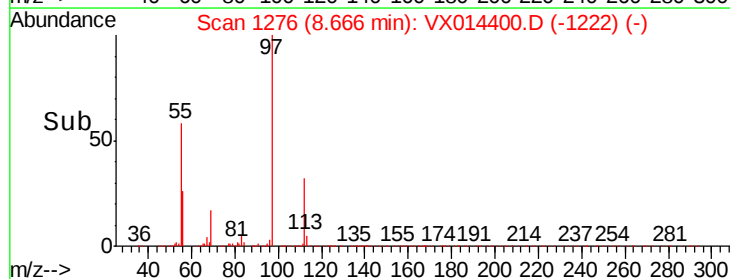
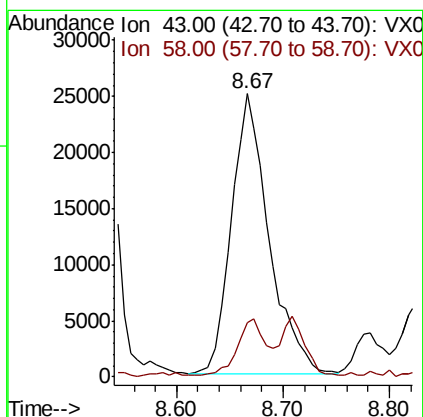
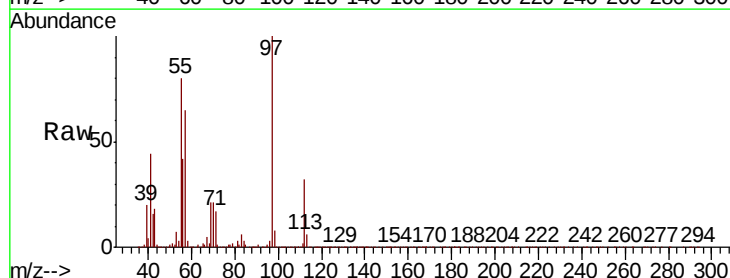
Acq: 03 Jan 2020 15:04

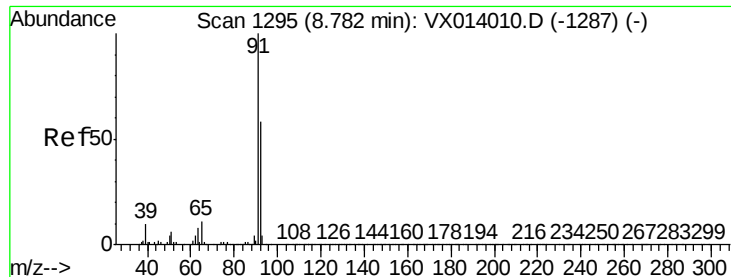
Tgt Ion: 43 Resp: 61785

Ion Ratio Lower Upper

43 100

58 15.2 32.2 48.2#





#52

Toluene

Concen: 31.234 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

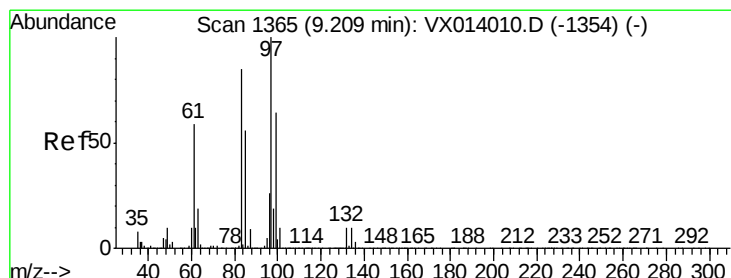
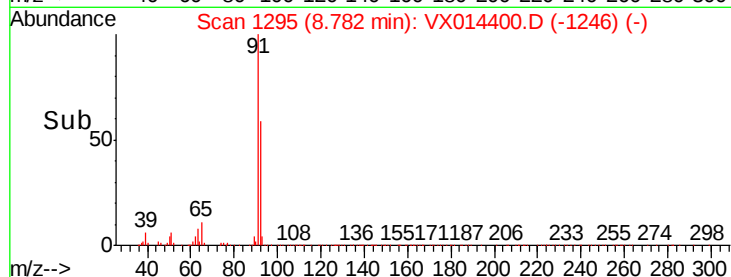
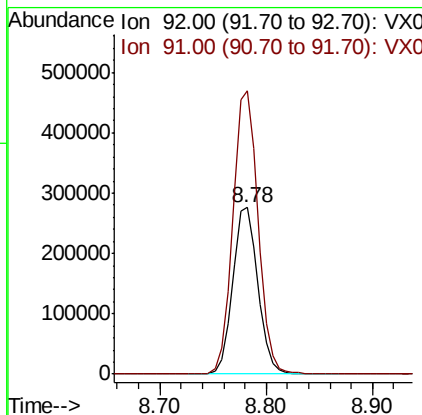
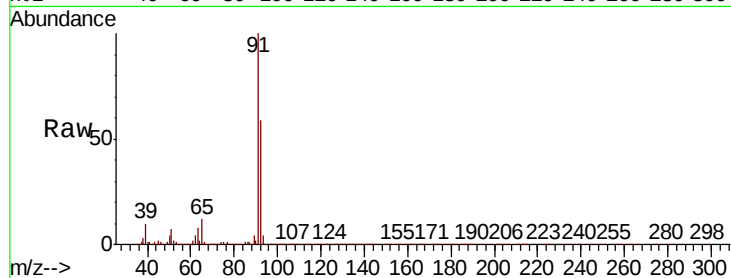
WP022SB454_191227-12-14

Tot Ion: 92 Resp: 457995

Ion Ratio Lower Upper

92 100

91 170.3 136.2 204.4



#55

1,1,2-Trichloroethane

Concen: 13.000 ug/l

RT: 9.16 min Scan# 1357

Delta R.T. -0.05 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

Tgt Ion: 97 Resp: 76400

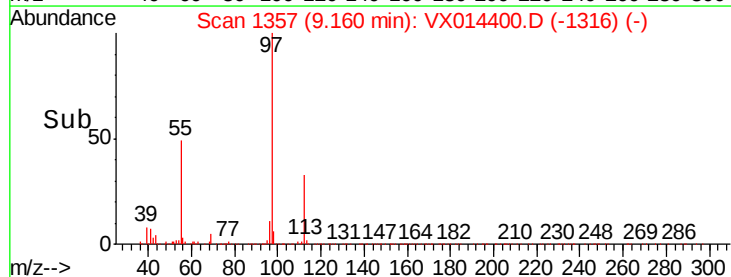
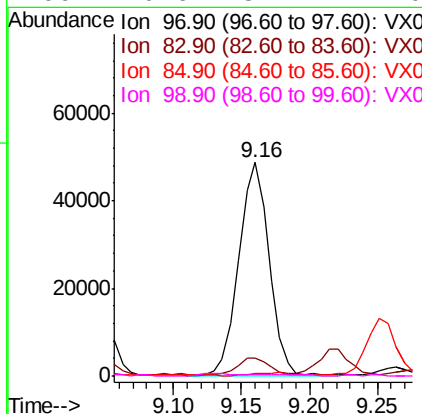
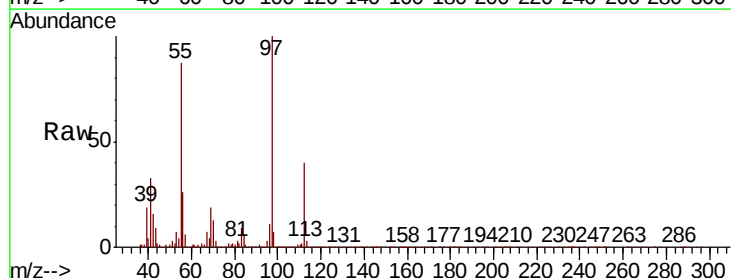
Ion Ratio Lower Upper

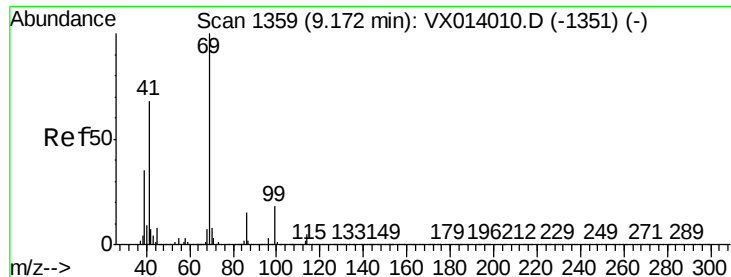
97 100

83 7.8 68.2 102.4#

85 0.5 44.6 66.8#

99 0.6 51.4 77.0#





#56

Ethyl methacrylate

Concen: 1.803 ug/l

RT: 9.16 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

WP022SB454_191227-12-14

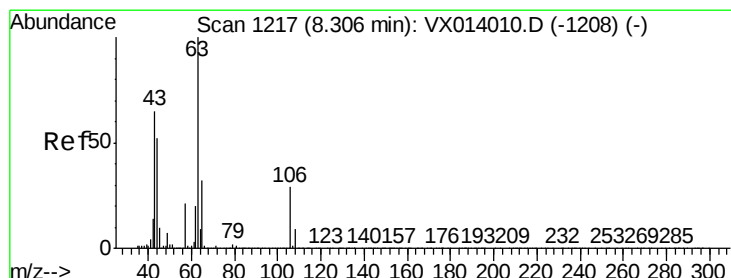
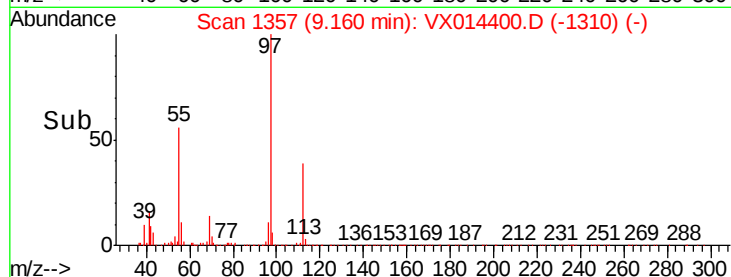
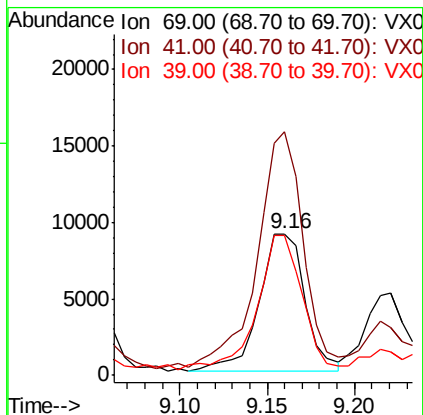
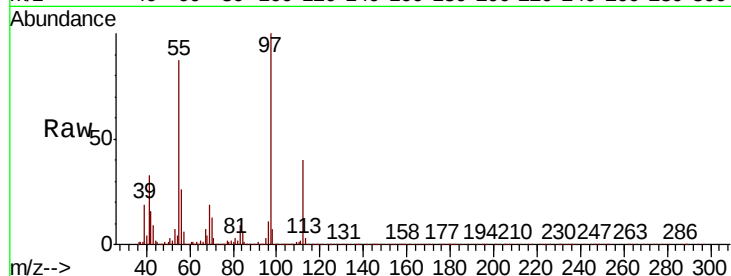
Tot Ion: 69 Resp: 16645

Ion Ratio Lower Upper

69 100

41 169.2 54.8 82.2#

39 96.3 28.3 42.5#



#58

2-Chloroethyl Vinyl ether

Concen: 0.520 ug/l

RT: 8.33 min Scan# 1221

Delta R.T. 0.02 min

Lab File: VX014400.D

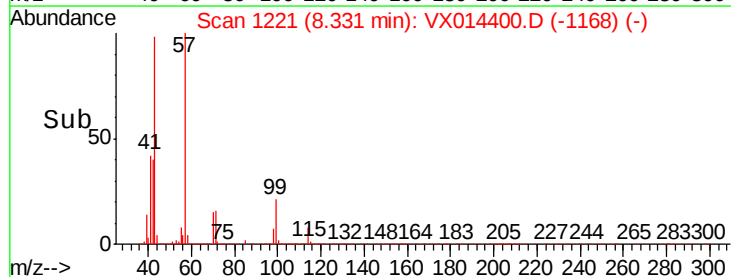
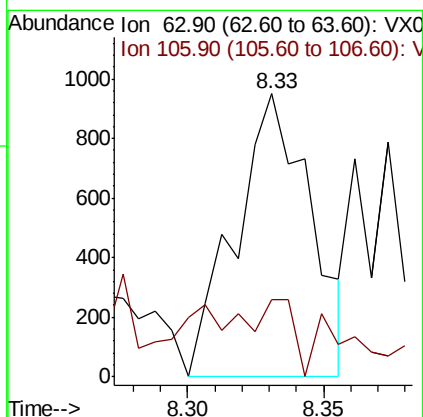
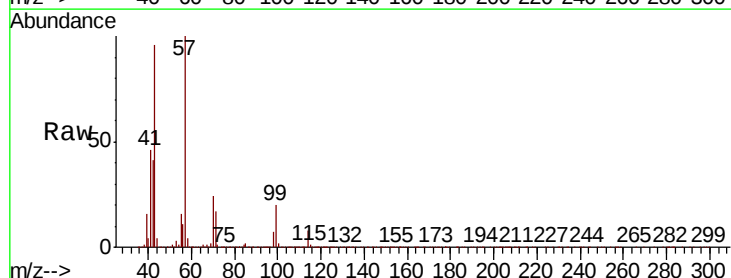
Acq: 03 Jan 2020 15:04

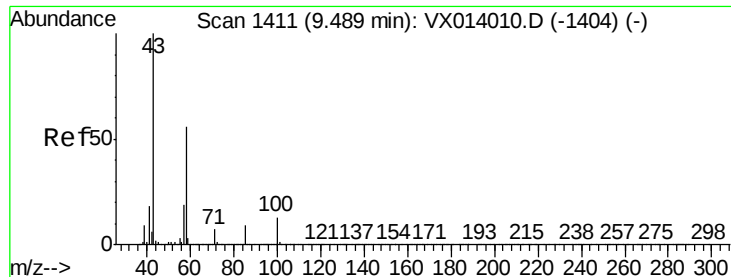
Tgt Ion: 63 Resp: 1816

Ion Ratio Lower Upper

63 100

106 10.5 23.0 34.6#

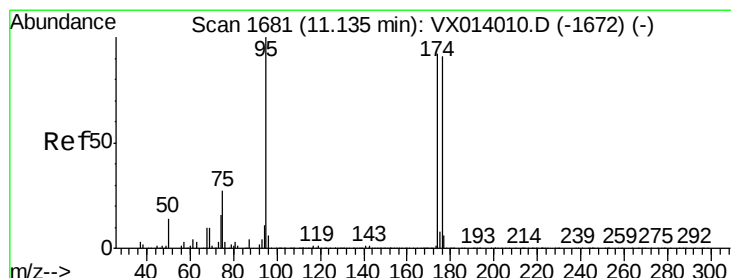
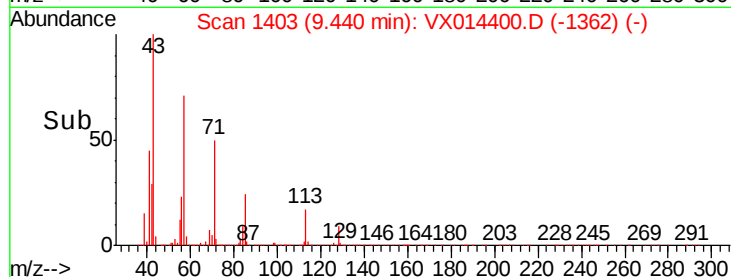
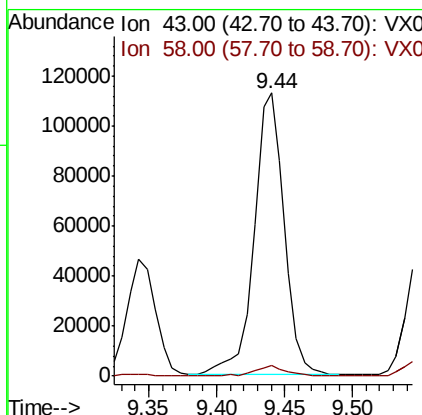
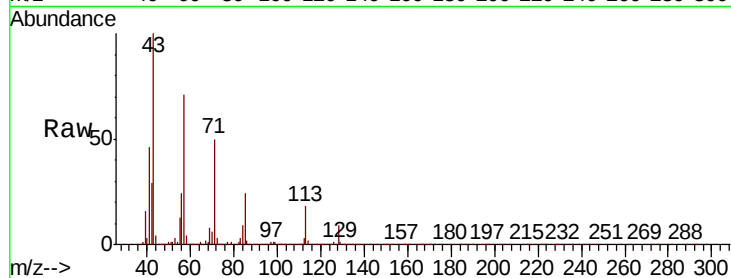




#59
2-Hexanone
Concen: 25.061 ug/l
RT: 9.44 min Scan# 1403
Delta R.T. -0.05 min
Lab File: VX014400.D
Acq: 03 Jan 2020 15:04

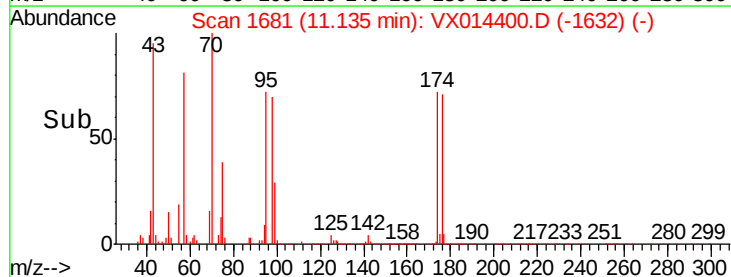
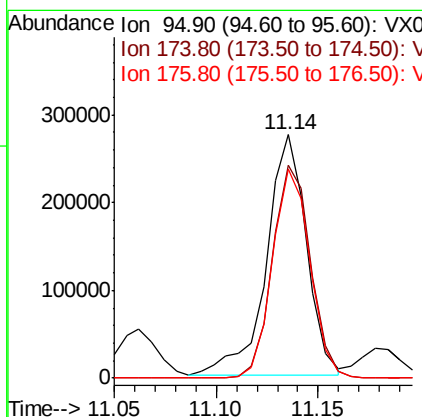
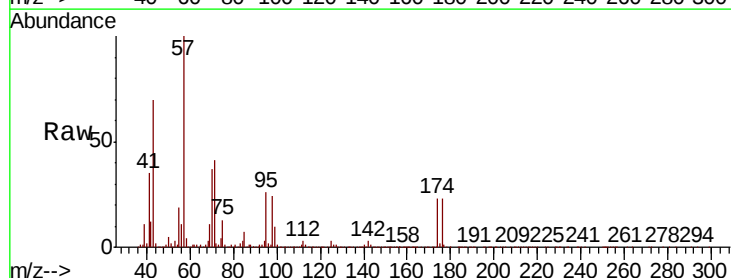
Instrument :
MSVOA_X
ClientSampleId :
WP022SB454_191227-12-14

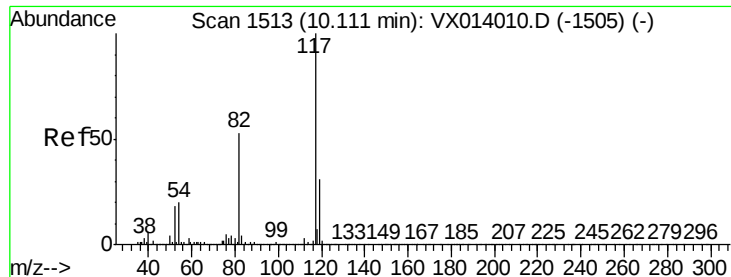
Tot Ion: 43 Resp: 174582
Ion Ratio Lower Upper
43 100
58 4.1 28.0 84.0#



#62
4-Bromofluorobenzene
Concen: 52.461 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX014400.D
Acq: 03 Jan 2020 15:04

Tgt Ion: 95 Resp: 372943
Ion Ratio Lower Upper
95 100
174 85.0 0.0 175.8
176 82.5 0.0 173.0

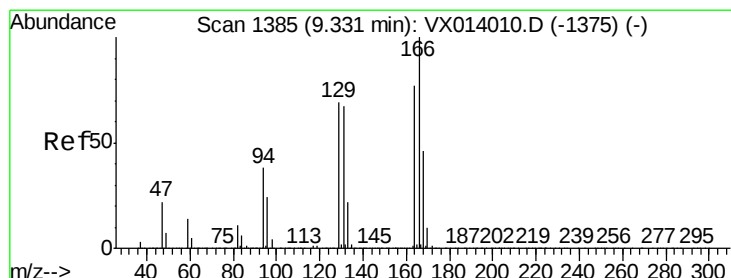
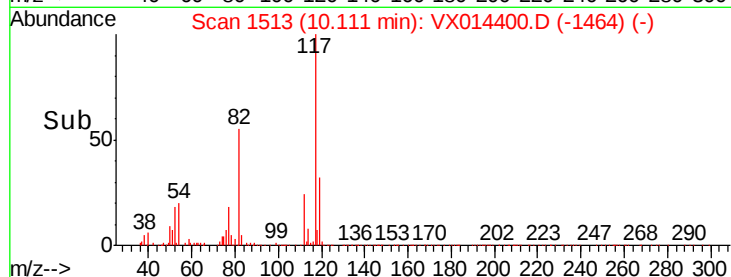
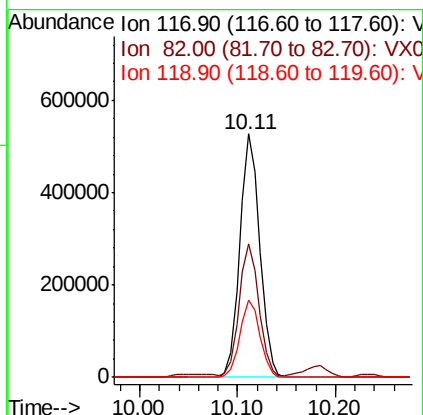
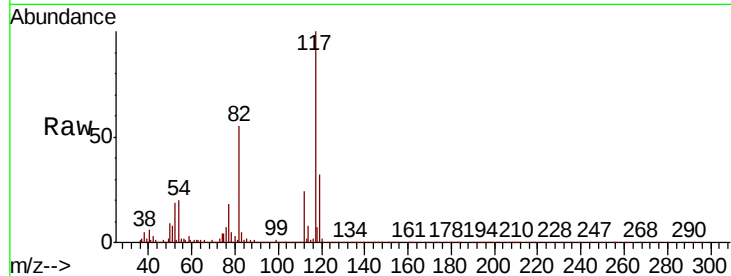




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014400.D
Acq: 03 Jan 2020 15:04

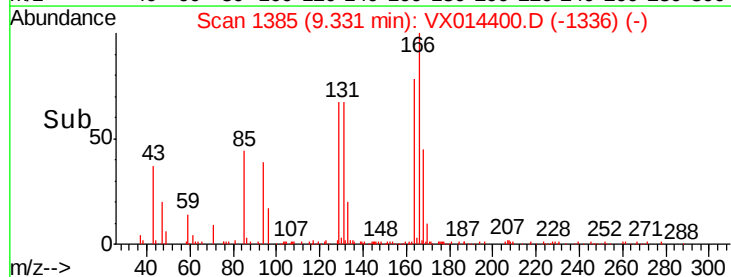
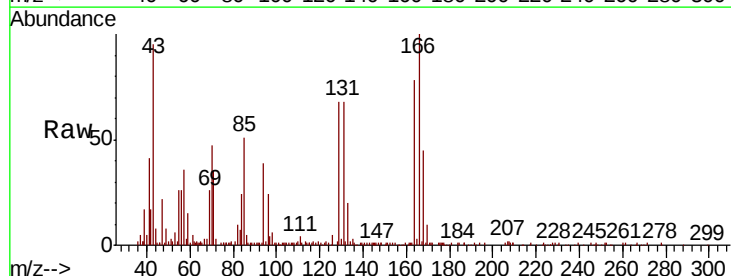
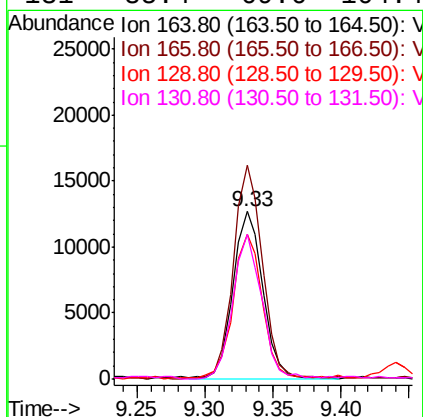
Instrument :
MSVOA_X
ClientSampleId :
WP022SB454_191227-12-14

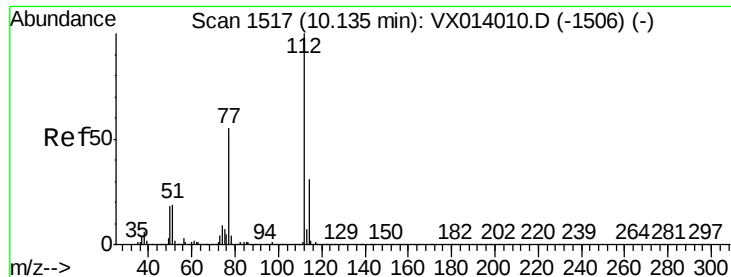
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	42.2	63.4
119	31.7	25.1	37.7



#64
Tetrachloroethene
Concen: 2.955 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014400.D
Acq: 03 Jan 2020 15:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	104.0	156.0
129	85.0	72.2	108.4
131	85.4	69.6	104.4





#65

Chlorobenzene

Concen: 638.180 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

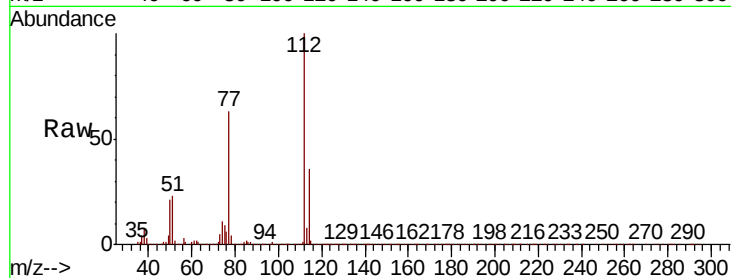
WP022SB454_191227-12-14

Tot Ion:112 Resp:10080302

Ion Ratio Lower Upper

112 100

114 36.2 24.9 37.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

8000000

6000000

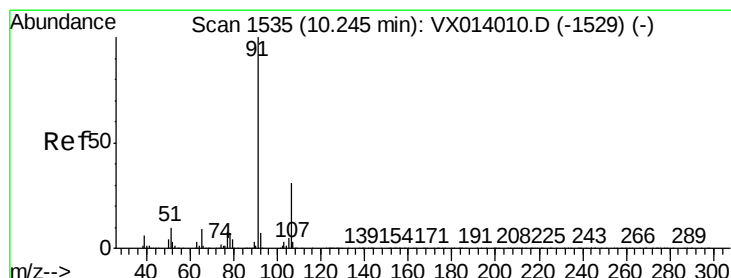
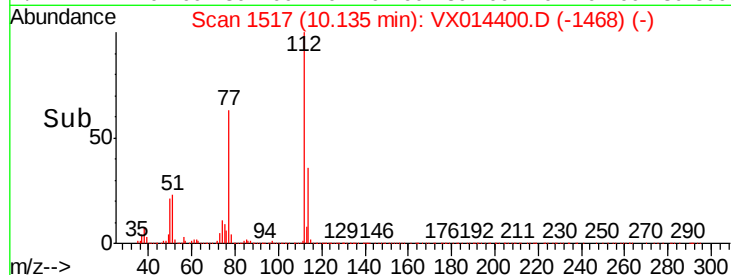
4000000

2000000

0

10.10 10.14 10.20

Time-->



#67

Ethyl Benzene

Concen: 13.414 ug/l

RT: 10.25 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VX014400.D

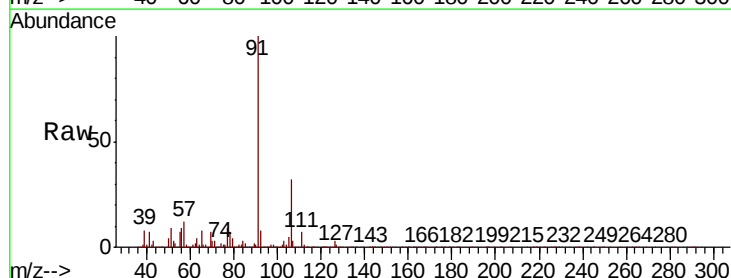
Acq: 03 Jan 2020 15:04

Tgt Ion: 91 Resp: 364264

Ion Ratio Lower Upper

91 100

106 31.5 25.0 37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

800000

600000

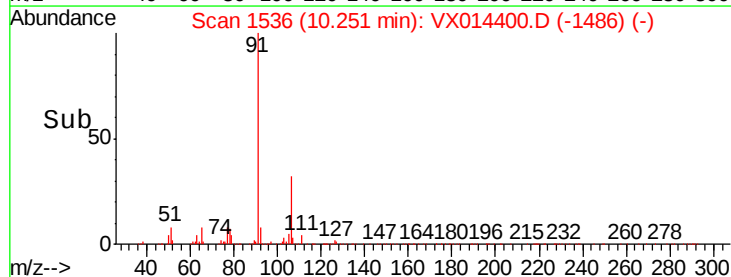
400000

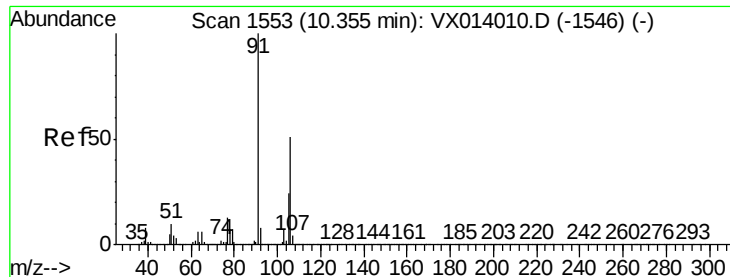
200000

0

10.20 10.25 10.30

Time-->





#68

m/p-Xylenes

Concen: 54.307 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

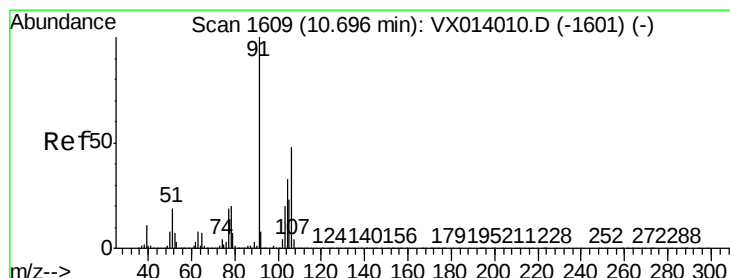
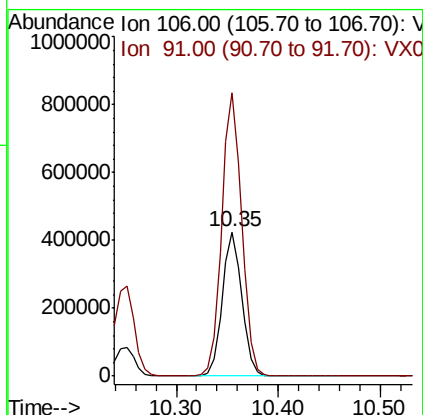
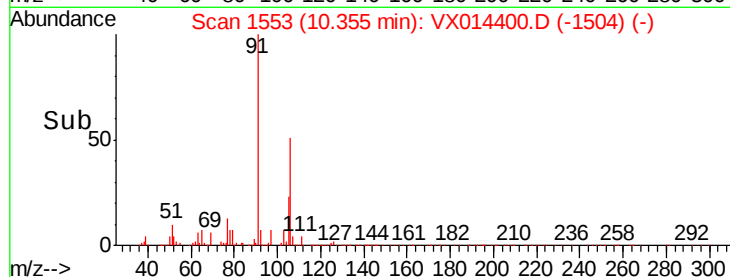
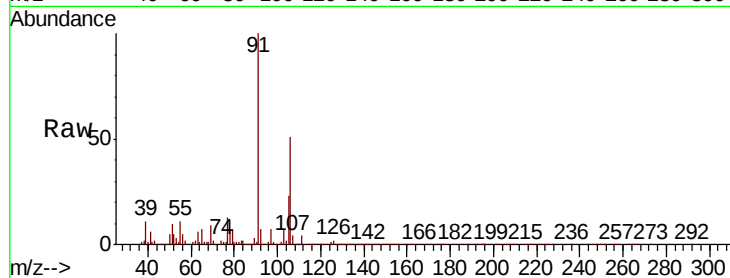
WP022SB454_191227-12-14

Tot Ion:106 Resp: 567212

Ion Ratio Lower Upper

106 100

91 200.0 158.6 238.0



#69

o-Xylene

Concen: 18.328 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. 0.00 min

Lab File: VX014400.D

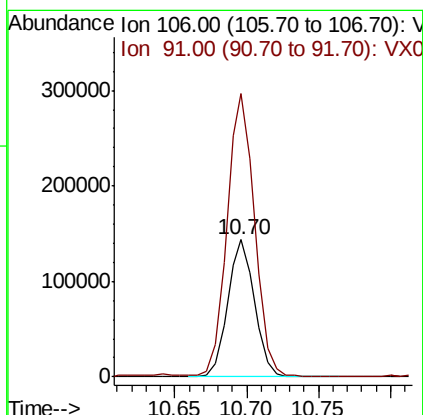
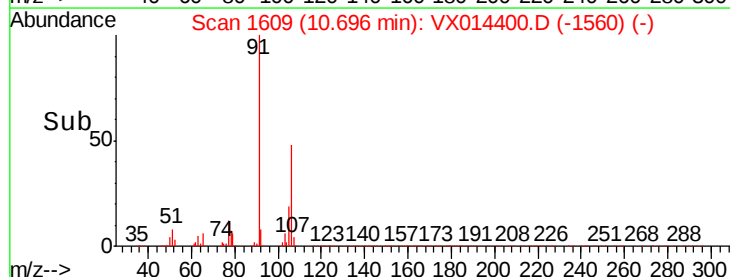
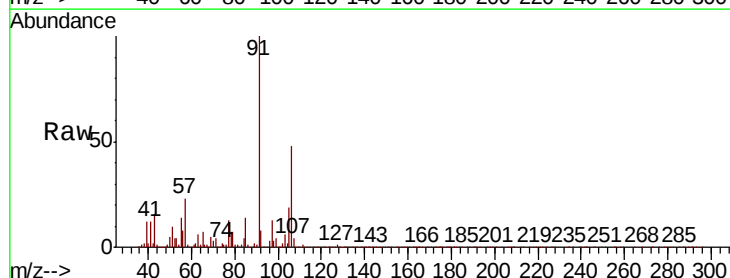
Acq: 03 Jan 2020 15:04

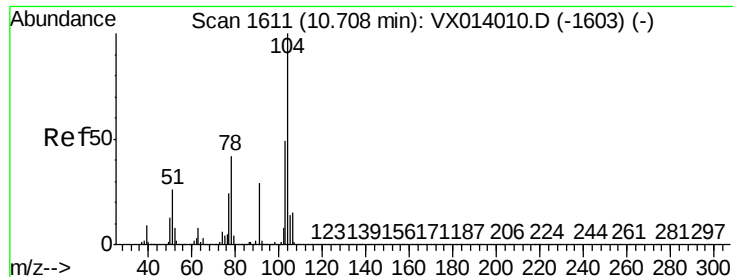
Tgt Ion:106 Resp: 187748

Ion Ratio Lower Upper

106 100

91 211.1 104.2 312.6

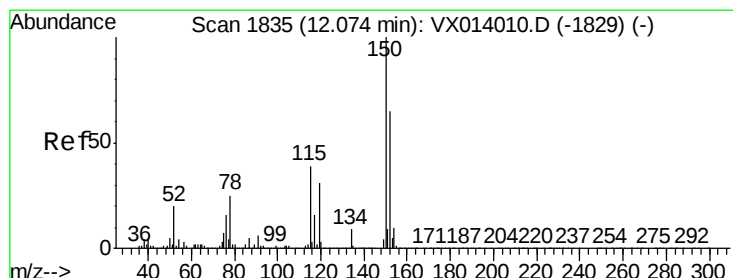
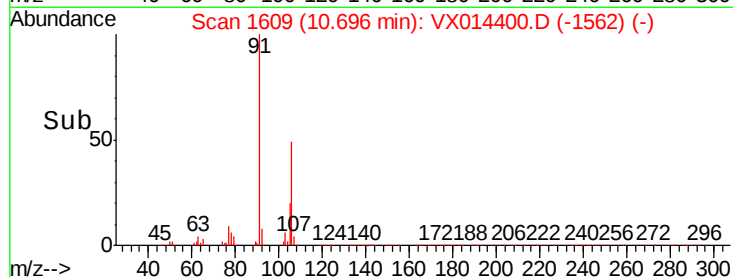
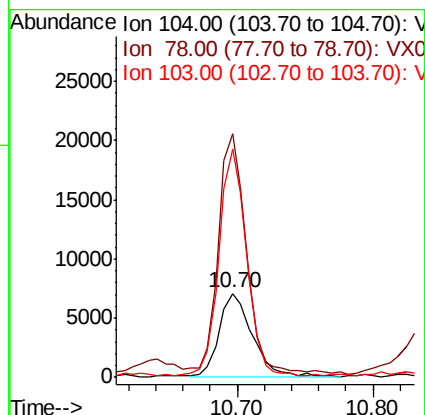
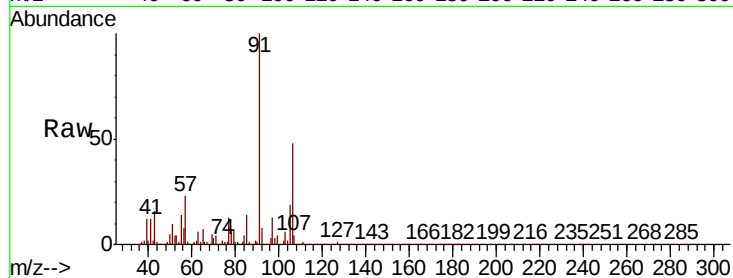




#70
Stvrene
Concen: 0.688 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.01 min
Lab File: VX014400.D
Acq: 03 Jan 2020 15:04

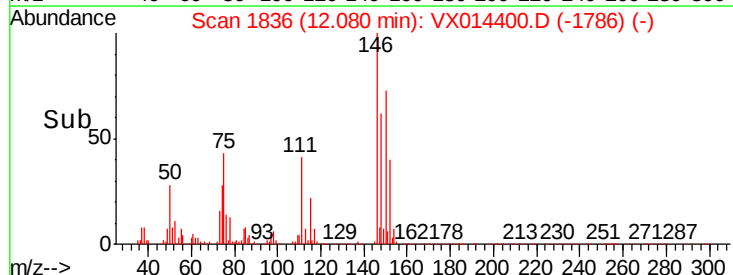
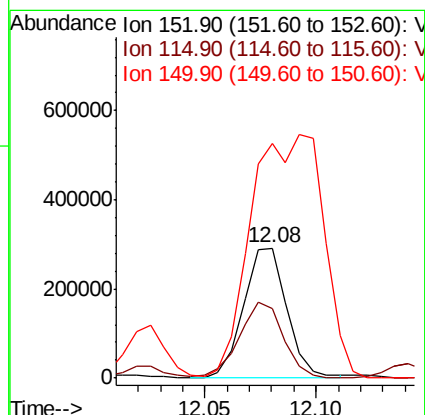
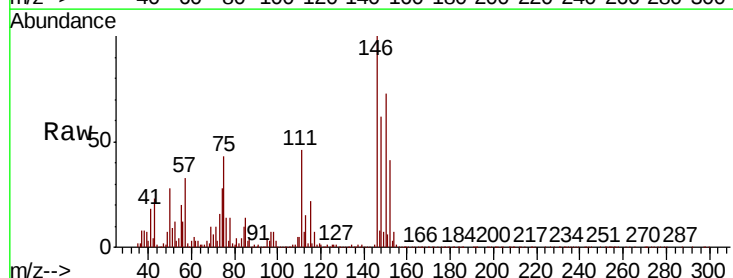
Instrument :
MSVOA_X
ClientSampleId :
WP022SB454_191227-12-14

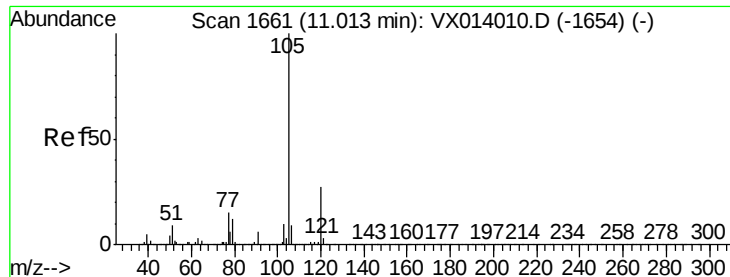
Tot Ion	Ratio	Lower	Upper
104	100		
78	246.0	38.5	57.7#
103	223.1	42.9	64.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1836
Delta R.T. 0.01 min
Lab File: VX014400.D
Acq: 03 Jan 2020 15:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.0	38.3	114.9
150	315.0	0.0	345.4





#73

Isopropylbenzene

Concen: 5.750 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

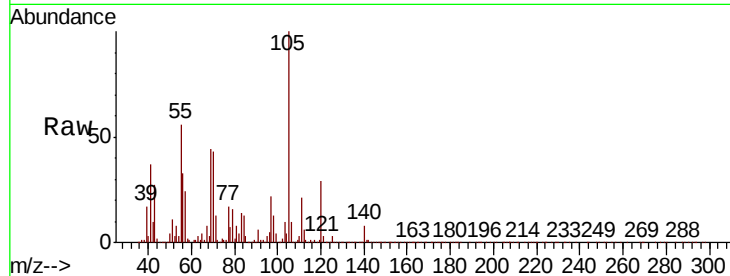
WP022SB454_191227-12-14

Tot Ion:105 Resp: 158881

Ion Ratio Lower Upper

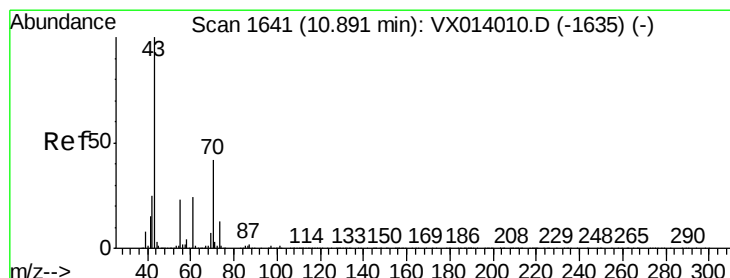
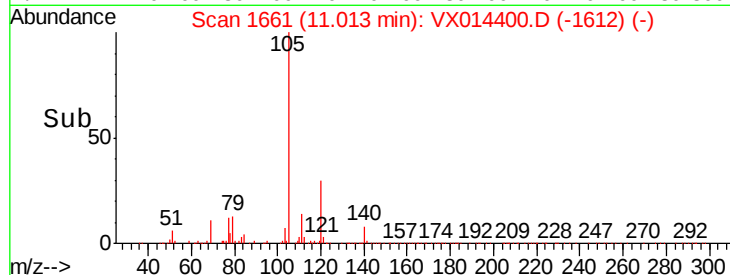
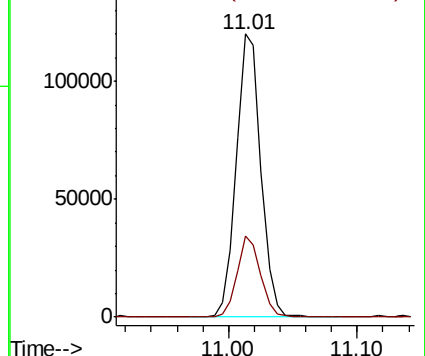
105 100

120 27.6 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 8.415 ug/l

RT: 10.88 min Scan# 1639

Delta R.T. -0.01 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

Tgt Ion: 43 Resp: 108991

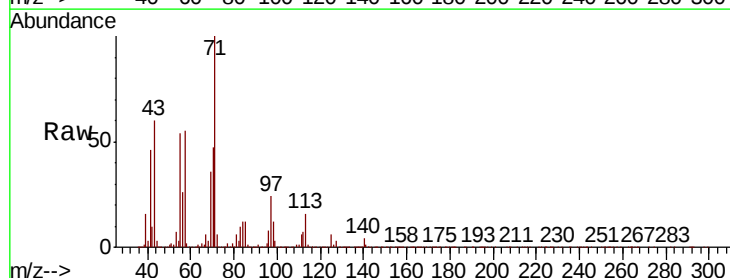
Ion Ratio Lower Upper

43 100

70 81.6 34.4 51.6#

55 0.0 19.1 28.7#

61 0.0 19.7 29.5#

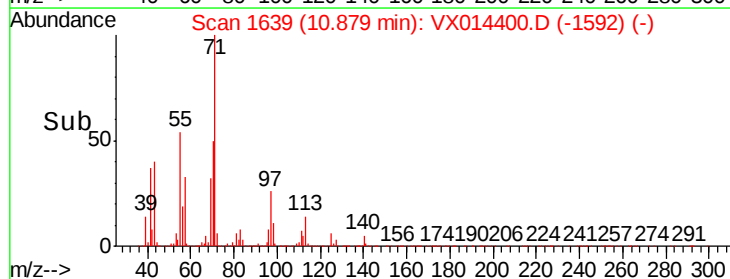
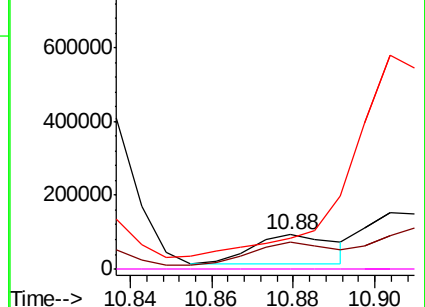


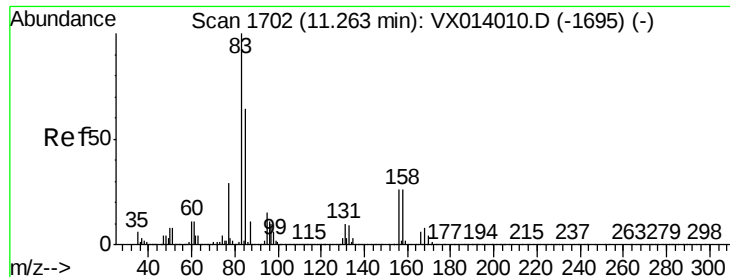
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 23.127 ug/l

RT: 11.27 min Scan# 1703

Delta R.T. 0.01 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

WP022SB454_191227-12-14

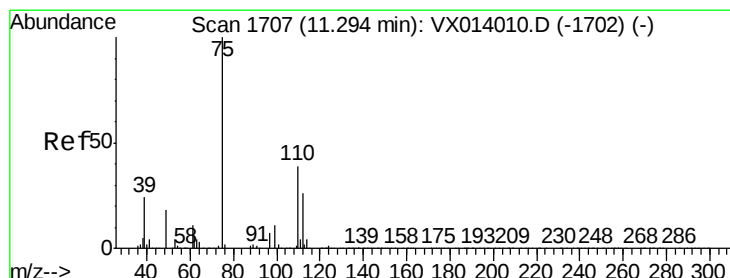
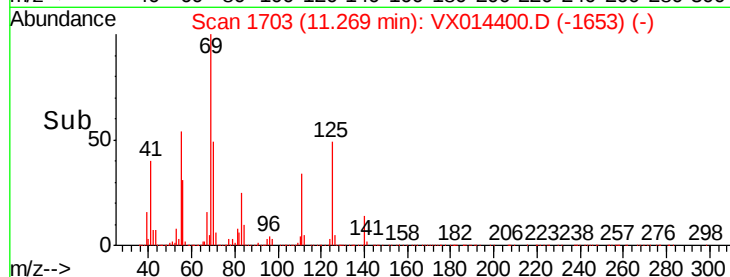
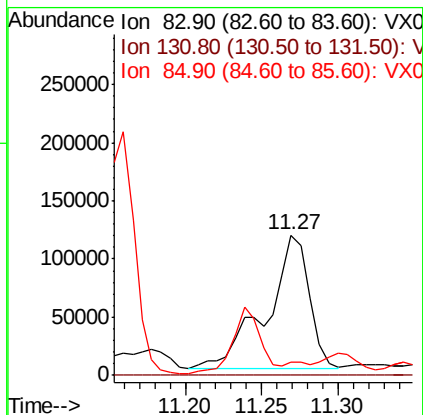
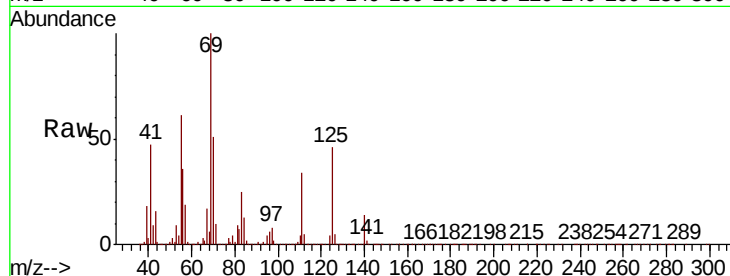
Tot Ion: 83 Resp: 221542

Ion Ratio Lower Upper

83 100

131 0.1 5.1 15.2#

85 0.0 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 1.711 ug/l

RT: 11.43 min Scan# 1729

Delta R.T. 0.13 min

Lab File: VX014400.D

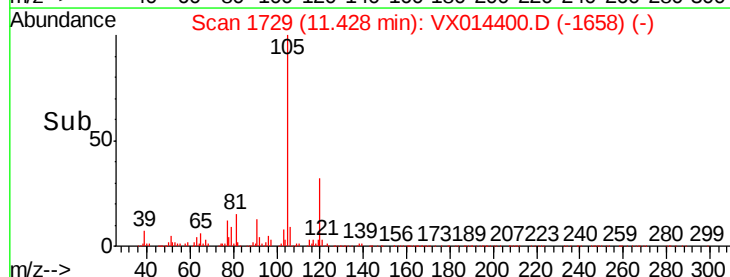
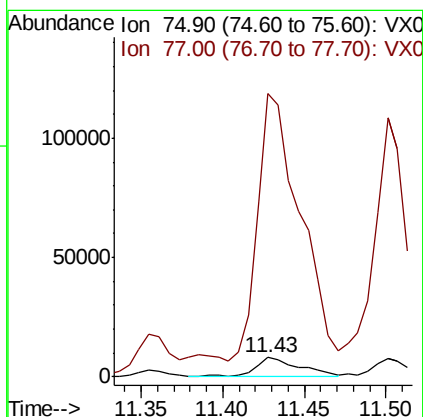
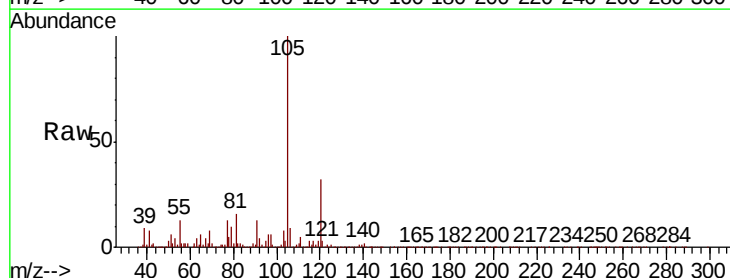
Acq: 03 Jan 2020 15:04

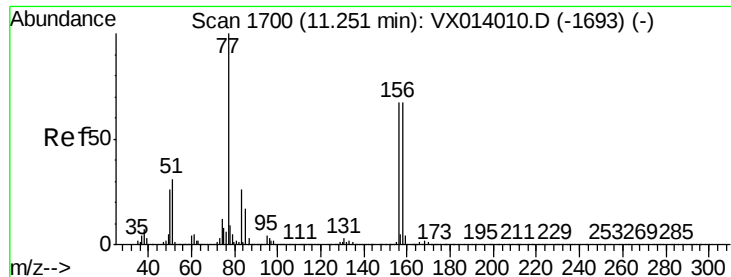
Tgt Ion: 75 Resp: 14575

Ion Ratio Lower Upper

75 100

77 1476.0 19.3 57.8#





#77

Bromobenzene

Concen: 0.243 ug/l

RT: 11.26 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

WP022SB454_191227-12-14

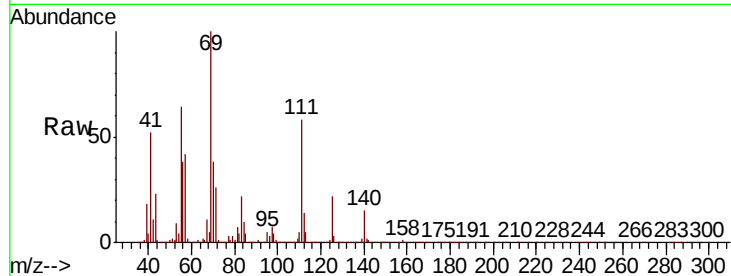
Tot Ion:156 Resp: 1846

Ion Ratio Lower Upper

156 100

77 1615.4 76.5 229.5#

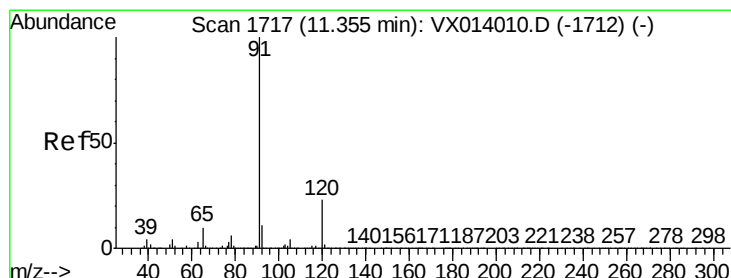
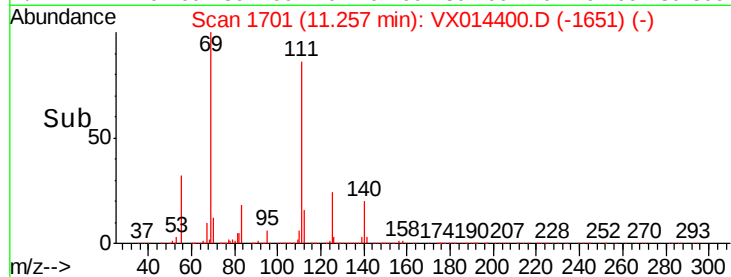
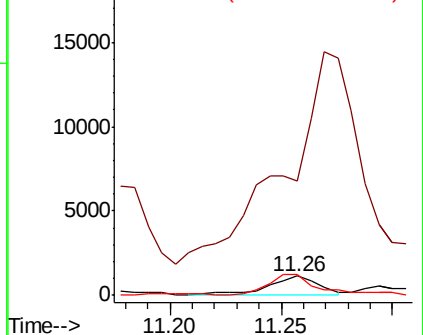
158 108.4 49.3 147.9



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: 17.670 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX014400.D

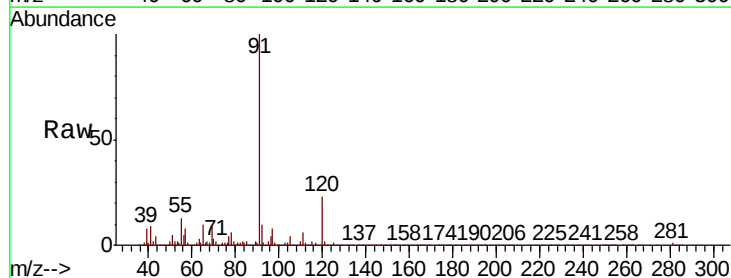
Acq: 03 Jan 2020 15:04

Tgt Ion: 91 Resp: 547644

Ion Ratio Lower Upper

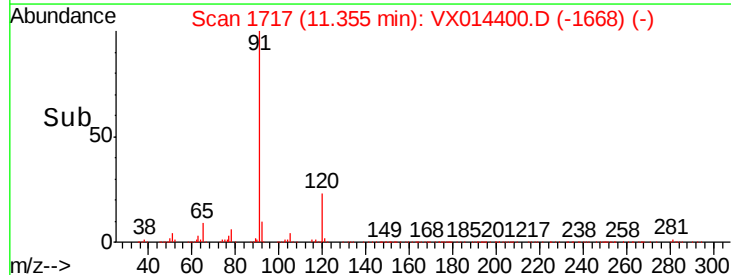
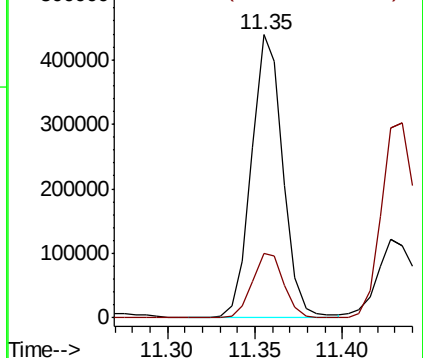
91 100

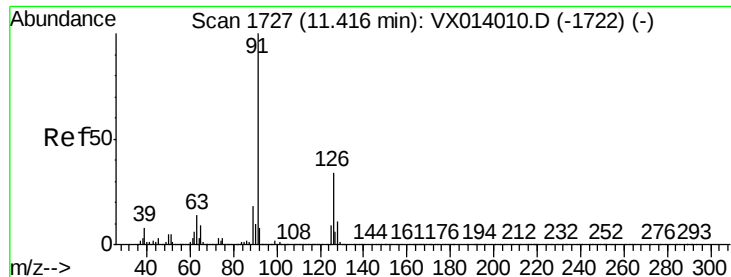
120 22.9 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 12.006 ug/l

RT: 11.43 min Scan# 1729

Delta R.T. 0.01 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

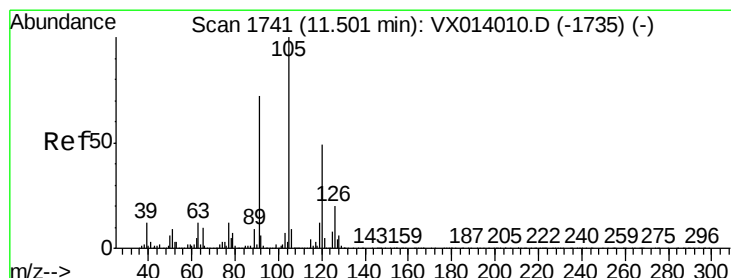
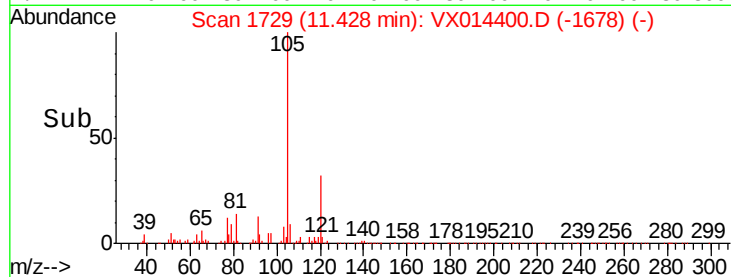
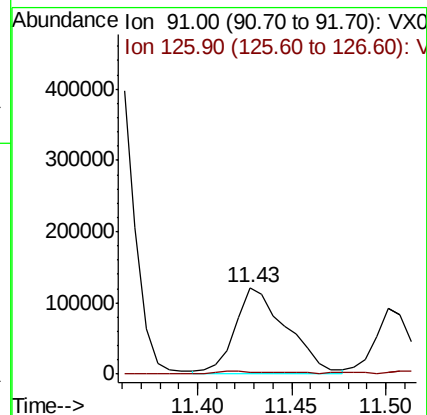
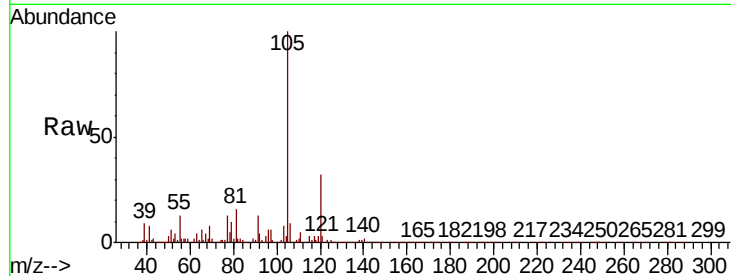
WP022SB454_191227-12-14

Tot Ion: 91 Resp: 226185

Ion Ratio Lower Upper

91 100

126 2.5 17.2 51.6#



#80

1,3,5-Trimethylbenzene

Concen: 43.122 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014400.D

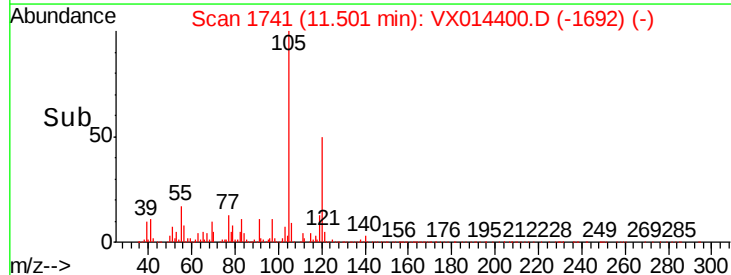
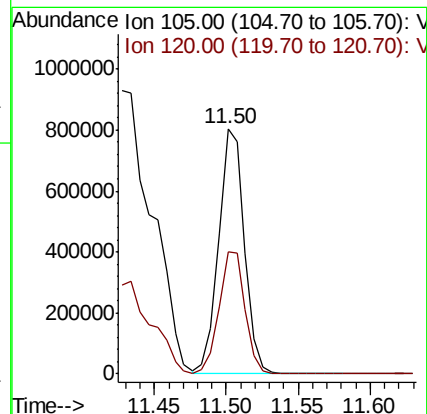
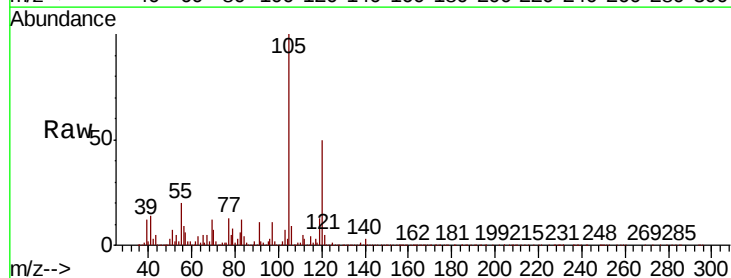
Acq: 03 Jan 2020 15:04

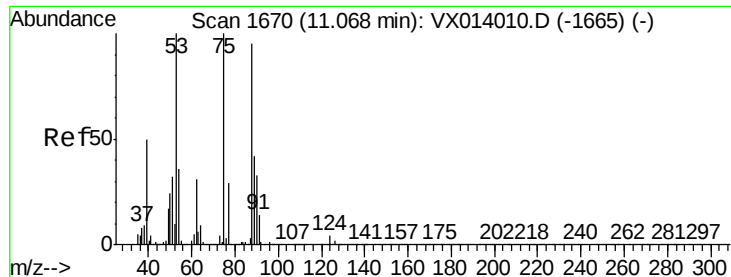
Tgt Ion:105 Resp: 1002753

Ion Ratio Lower Upper

105 100

120 50.4 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 56.418 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

WP022SB454_191227-12-14

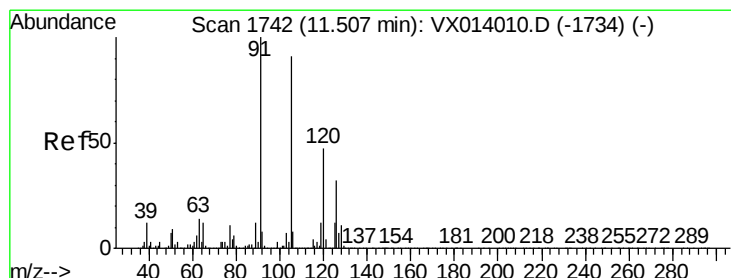
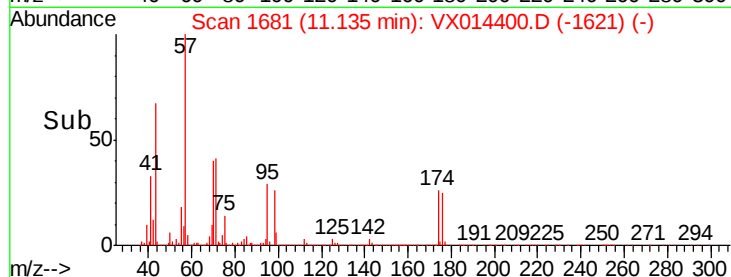
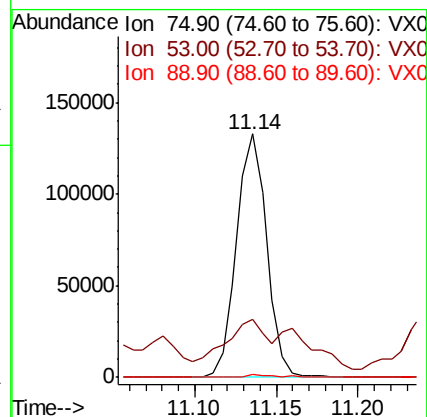
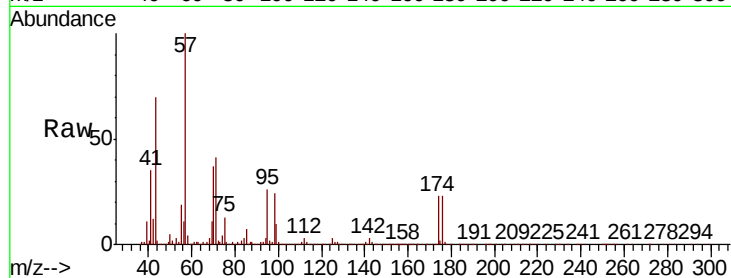
Tot Ion: 75 Resp: 170296

Ion Ratio Lower Upper

75 100

53 20.7 76.7 115.1#

89 1.2 34.6 51.8#



#82

4-Chlorotoluene

Concen: 5.581 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.01 min

Lab File: VX014400.D

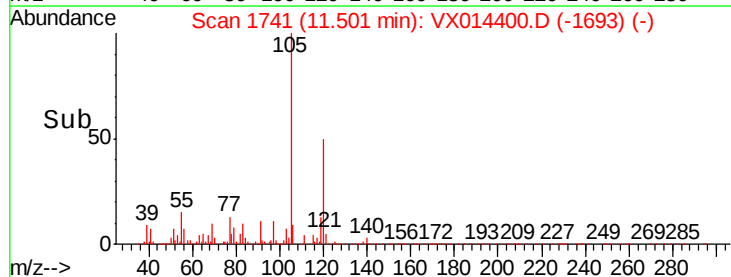
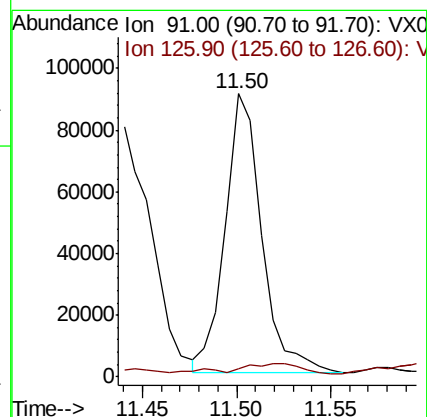
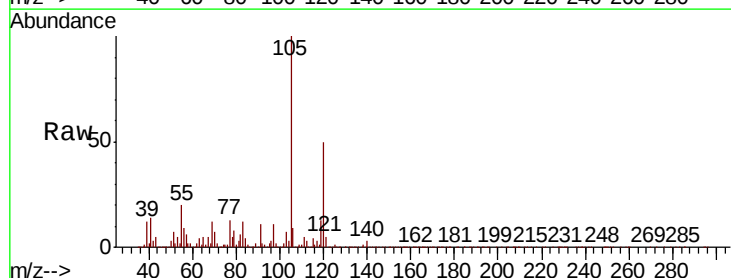
Acq: 03 Jan 2020 15:04

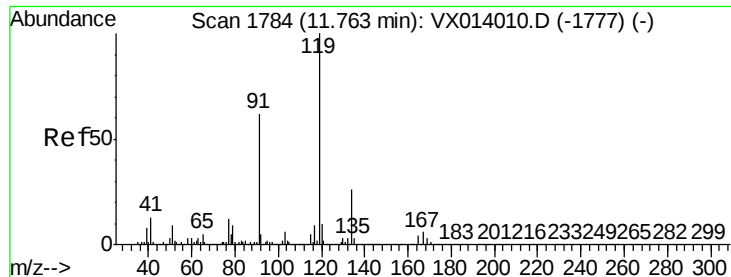
Tgt Ion: 91 Resp: 121958

Ion Ratio Lower Upper

91 100

126 5.2 15.6 46.8#

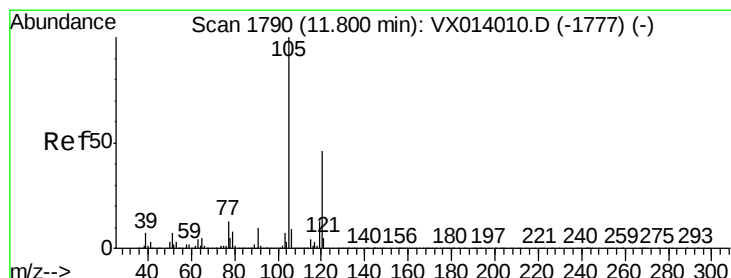
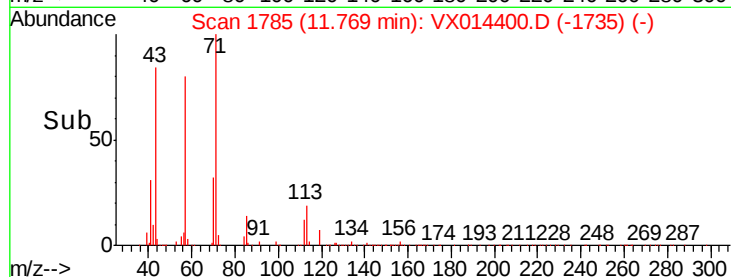
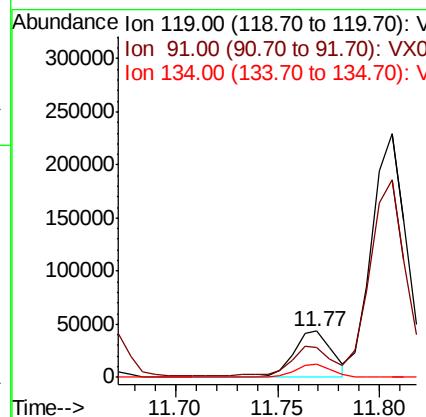
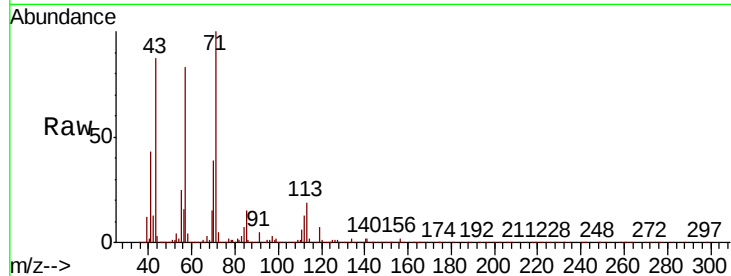




#83
tert-Butylbenzene
Concen: 2.486 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.01 min
Lab File: VX014400.D
Acq: 03 Jan 2020 15:04

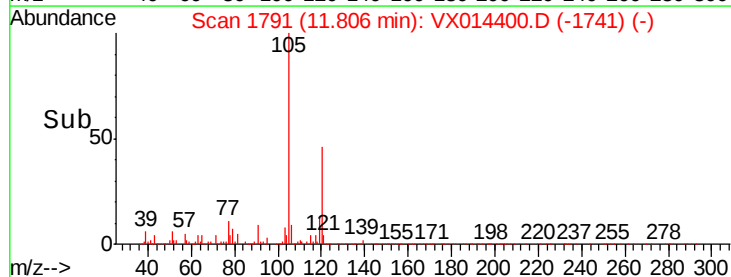
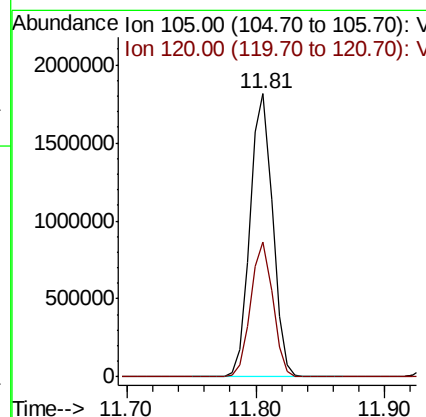
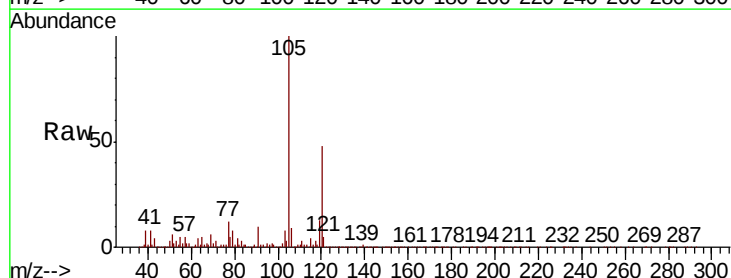
Instrument :
MSVOA_X
ClientSampleId :
WP022SB454_191227-12-14

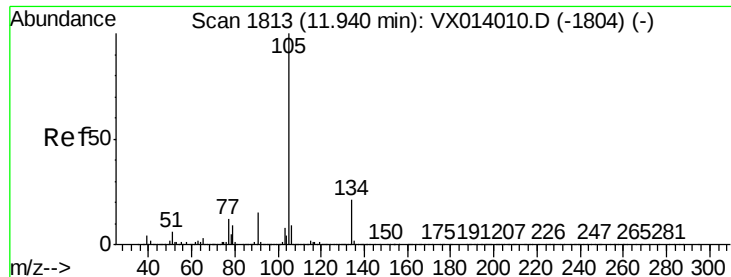
Tot Ion	Ratio	Lower	Upper
119	100		
91	68.2	28.5	85.6
134	26.4	12.2	36.6



#84
1,2,4-Trimethylbenzene
Concen: 93.337 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.01 min
Lab File: VX014400.D
Acq: 03 Jan 2020 15:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.1	69.2

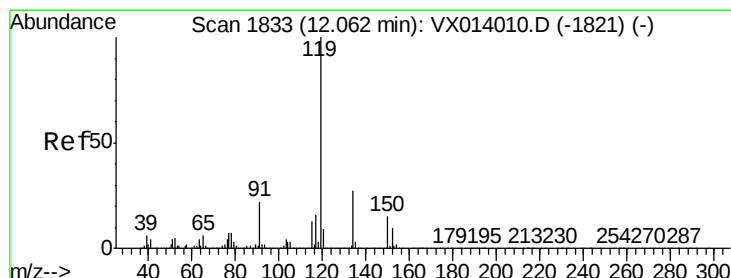
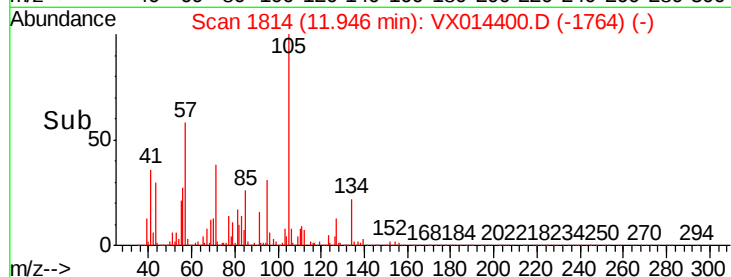
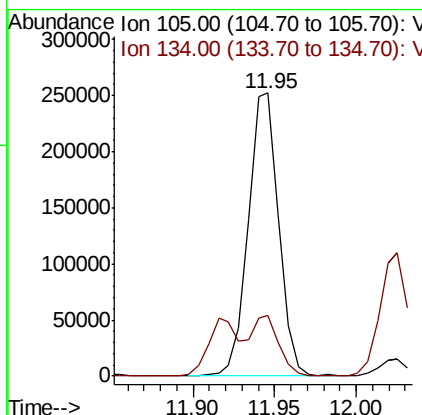
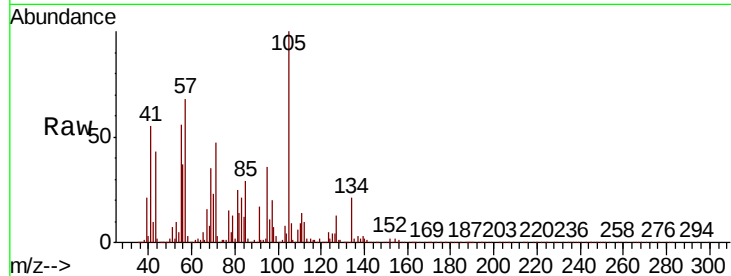




#85
 sec-Butylbenzene
 Concen: 12.234 ug/l
 RT: 11.95 min Scan# 1814
 Delta R.T. 0.01 min
 Lab File: VX014400.D
 Acq: 03 Jan 2020 15:04

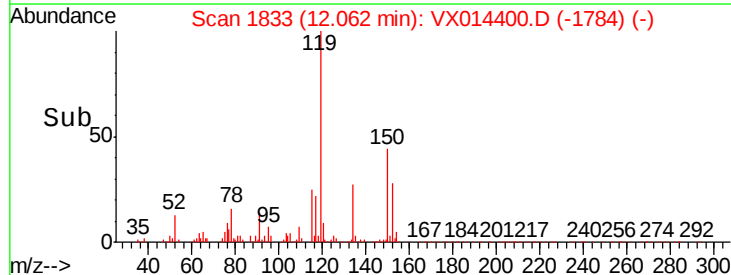
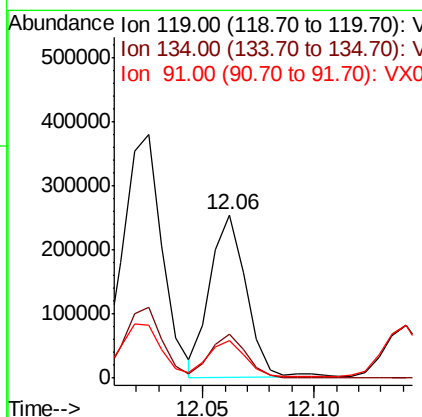
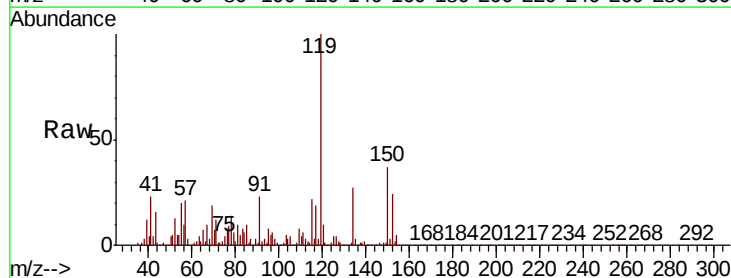
Instrument :
 MSVOA_X
 ClientSampleId :
 WP022SB454_191227-12-14

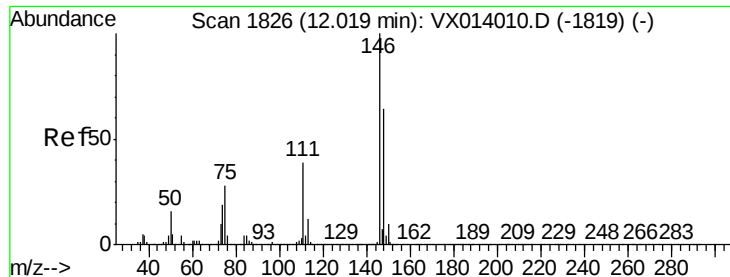
Tot Ion:105 Resp: 326834
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 11.725 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX014400.D
 Acq: 03 Jan 2020 15:04

Tgt Ion:119 Resp: 286515
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.4 40.1
 91 22.1 11.4 34.1

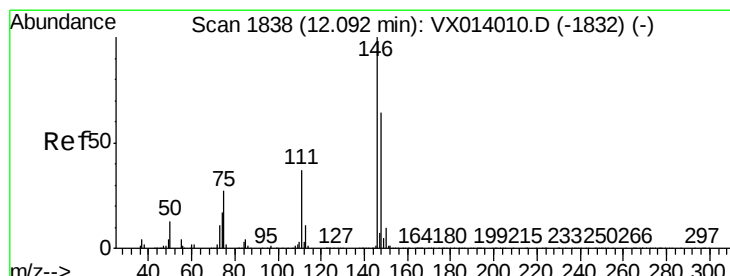
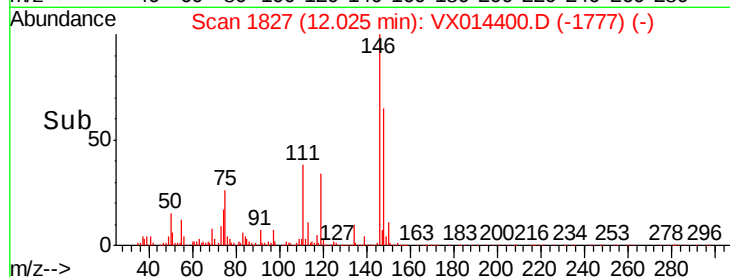
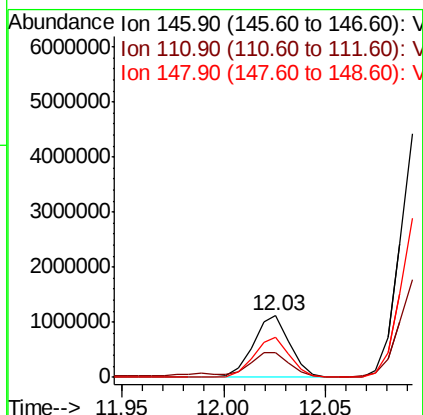
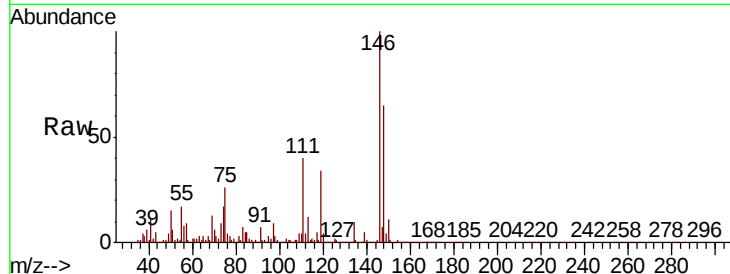




#87
 1,3-Dichlorobenzene
 Concen: 104.100 ug/l
 RT: 12.03 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: VX014400.D
 Acq: 03 Jan 2020 15:04

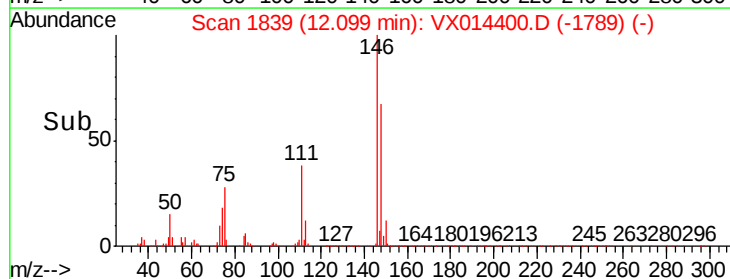
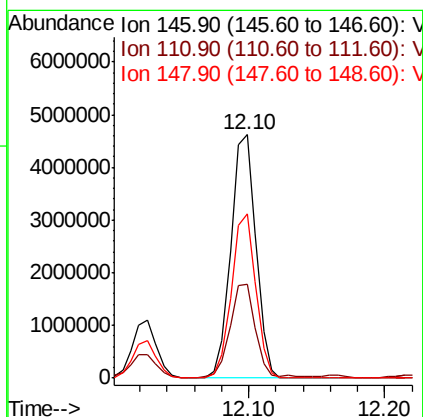
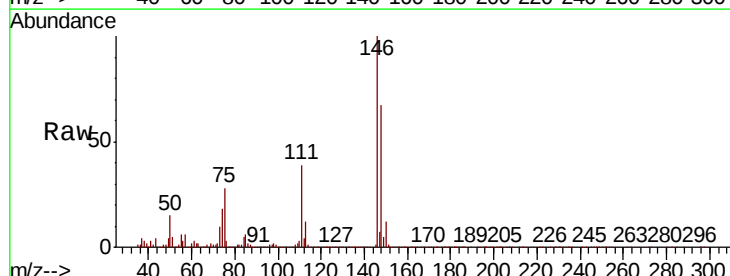
Instrument :
 MSVOA_X
 ClientSampleId :
 WP022SB454_191227-12-14

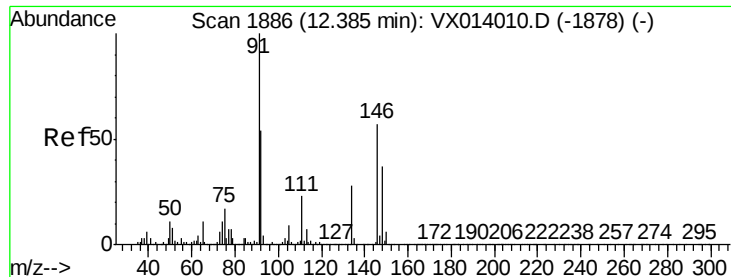
Tot Ion:146 Resp: 1386976
 Ion Ratio Lower Upper
 146 100
 111 47.5 19.1 57.1
 148 64.0 32.3 96.9



#88
 1,4-Dichlorobenzene
 Concen: 435.176 ug/l
 RT: 12.10 min Scan# 1839
 Delta R.T. 0.01 min
 Lab File: VX014400.D
 Acq: 03 Jan 2020 15:04

Tgt Ion:146 Resp: 5895486
 Ion Ratio Lower Upper
 146 100
 111 38.7 18.7 56.1
 148 65.5 31.9 95.9

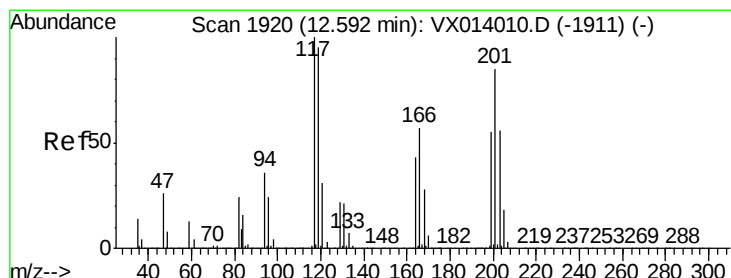
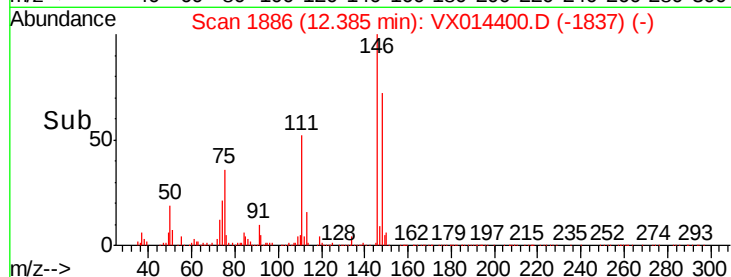
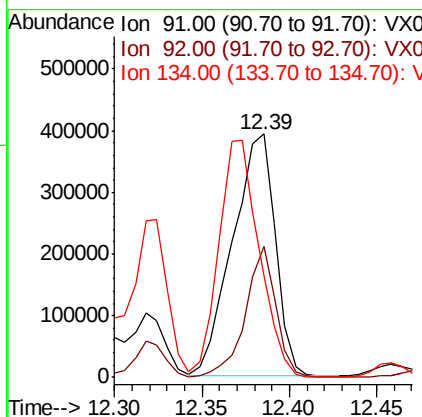
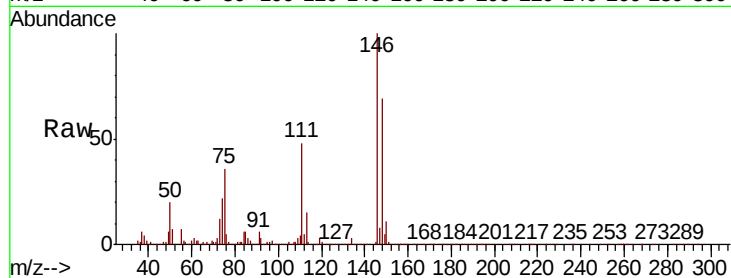




#89
n-Butylbenzene
Concen: 31.885 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX014400.D
Acq: 03 Jan 2020 15:04

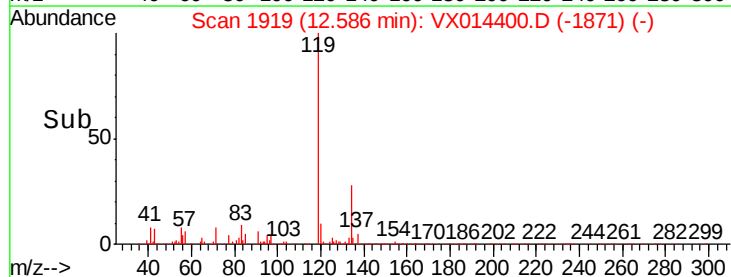
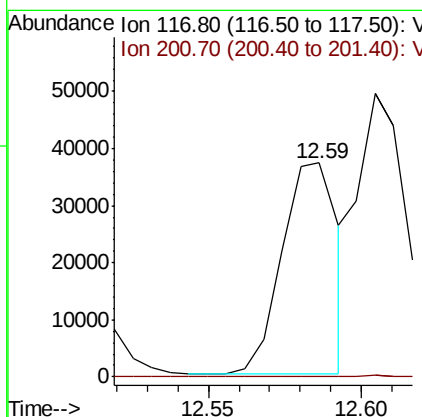
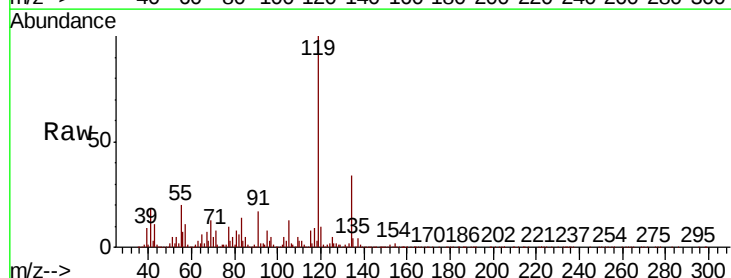
Instrument :
MSVOA_X
ClientSampleId :
WP022SB454_191227-12-14

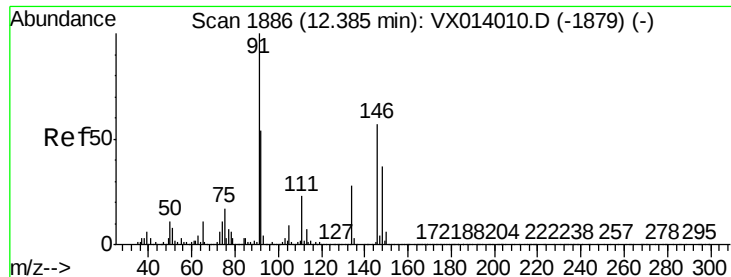
Tot Ion: 91 Resp: 664847
Ion Ratio Lower Upper
91 100
92 38.5 27.2 81.6
134 92.7 13.4 40.1#



#90
Hexachloroethane
Concen: 10.664 ug/l
RT: 12.59 min Scan# 1919
Delta R.T. -0.01 min
Lab File: VX014400.D
Acq: 03 Jan 2020 15:04

Tgt Ion: 117 Resp: 46809
Ion Ratio Lower Upper
117 100
201 0.0 43.1 129.3#





#91

1,2-Dichlorobenzene

Concen: 842.189 ug/l

RT: 12.39 min Scan# 1887

Delta R.T. 0.01 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

WP022SB454_191227-12-14

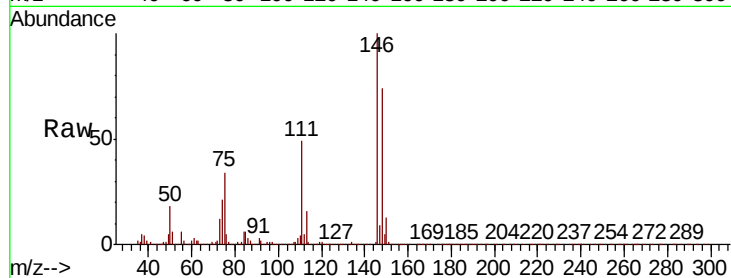
Tot Ion:146 Resp:11295643

Ion Ratio Lower Upper

146 100

111 45.0 19.7 59.1

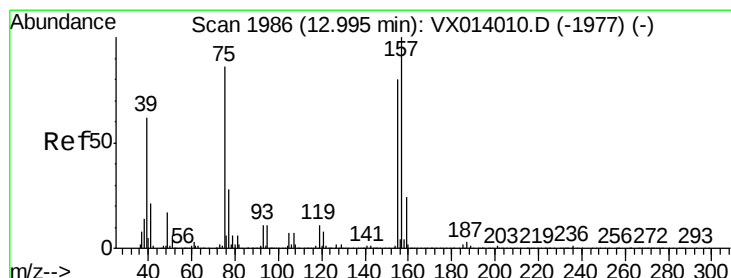
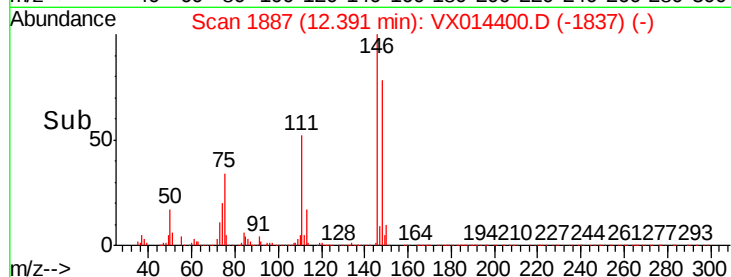
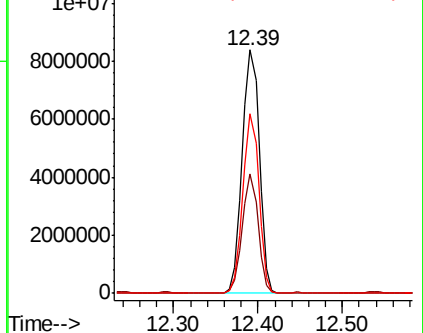
148 69.4 32.1 96.5



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: 3.712 ug/l

RT: 13.01 min Scan# 1989

Delta R.T. 0.02 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

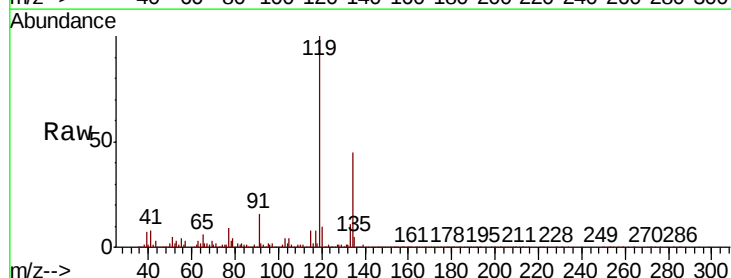
Tgt Ion: 75 Resp: 7869

Ion Ratio Lower Upper

75 100

155 11.3 46.9 140.6#

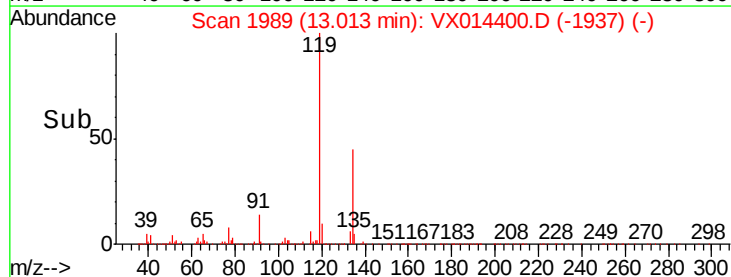
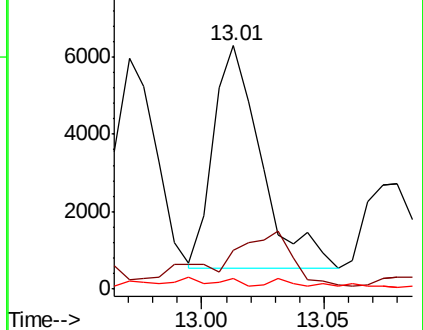
157 3.5 60.8 182.4#

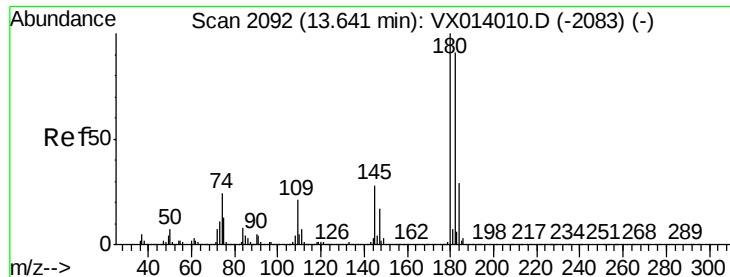


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

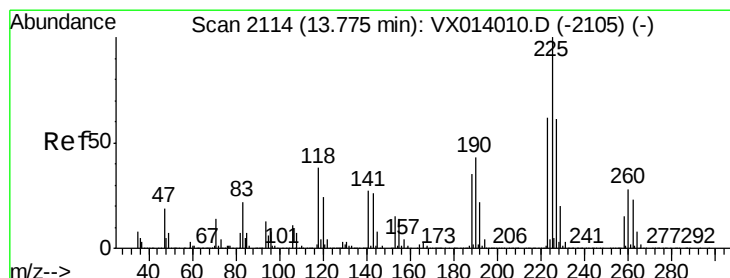
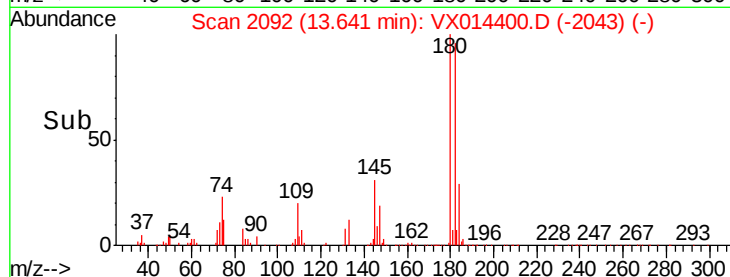
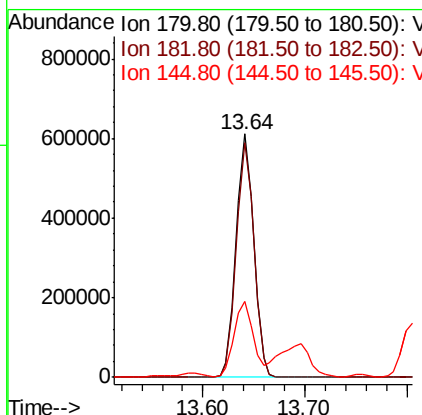
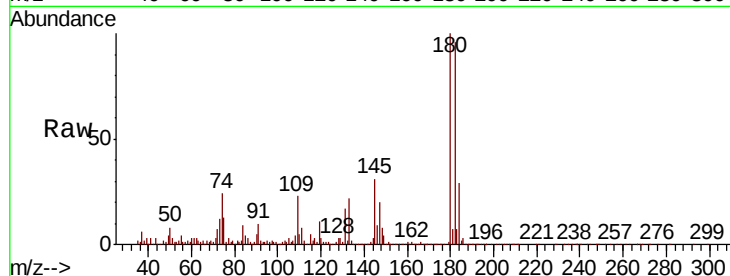




#93
 1,2,4-Trichlorobenzene
 Concen: 83.256 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014400.D
 Acq: 03 Jan 2020 15:04

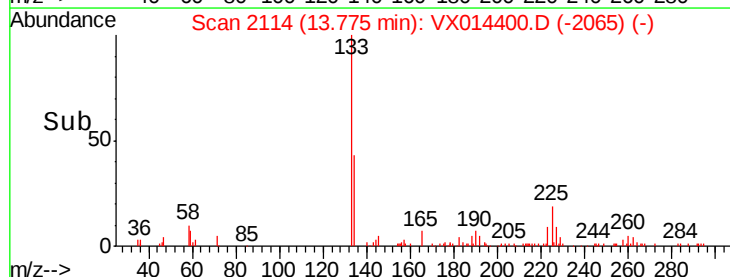
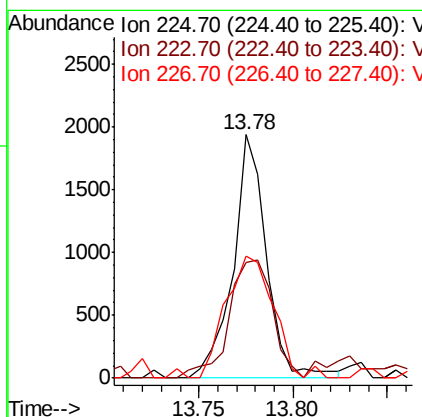
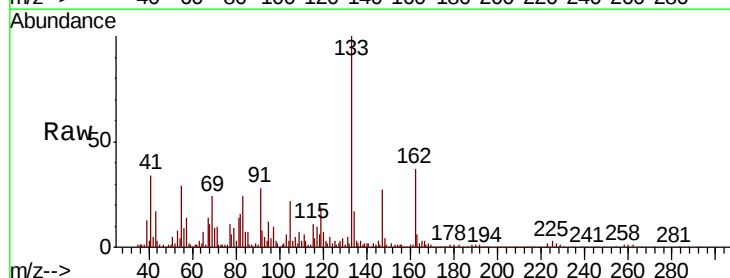
Instrument :
 MSVOA_X
 ClientSampleId :
 WP022SB454_191227-12-14

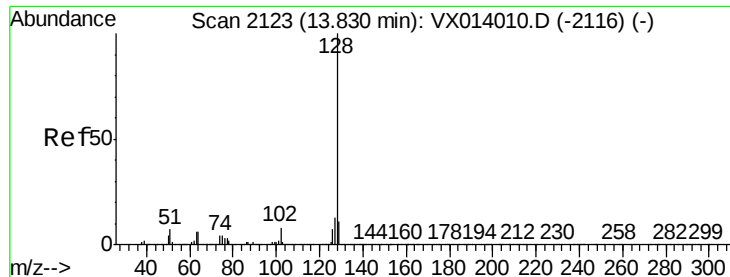
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	46.6	139.8
145	33.7	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 0.572 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX014400.D
 Acq: 03 Jan 2020 15:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	30.9	92.5
227	71.0	30.9	92.7





#95

Naphthalene

Concen: 80.110 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

WP022SB454_191227-12-14

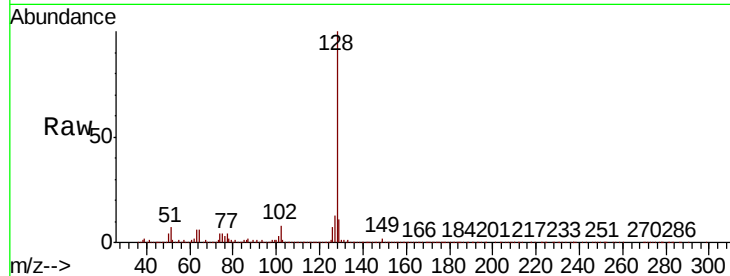
Tot Ion:128 Resp: 2051783

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.4

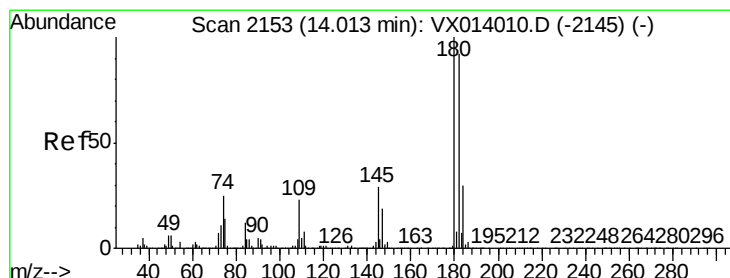
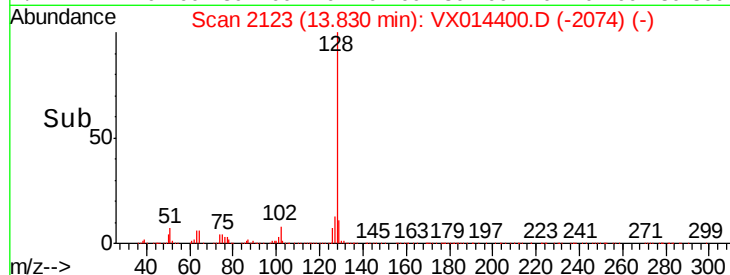
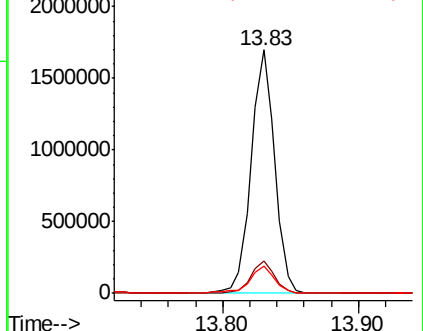
129 11.9 8.7 13.1



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: 17.696 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

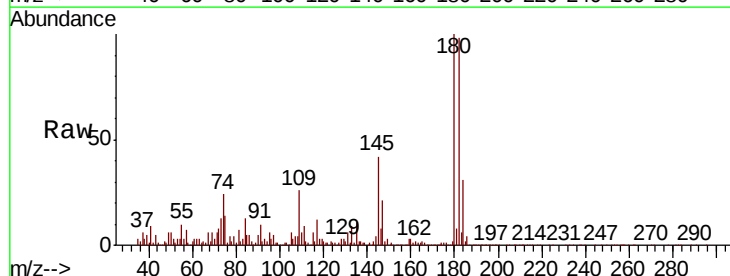
Tgt Ion:180 Resp: 152279

Ion Ratio Lower Upper

180 100

182 96.8 46.8 140.3

145 53.1 14.8 44.4#



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

