

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010320\
 Data File : VX014405.D
 Acq On : 03 Jan 2020 17:00
 Operator : JC/SP
 Sample : K6476-07
 Misc : 6.26µ/5mL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP022SB455_191227-21-23ME

Quant Time: Jan 06 02:33:48 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	537158	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	816383	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	722438	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	359069	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	285547	46.90	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.80%	
35) Dibromofluoromethane	5.50	113	225649	45.47	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.94%	
50) Toluene-d8	8.71	98	952644	49.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.62%	
62) 4-Bromofluorobenzene	11.14	95	337018	47.72	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.44%	

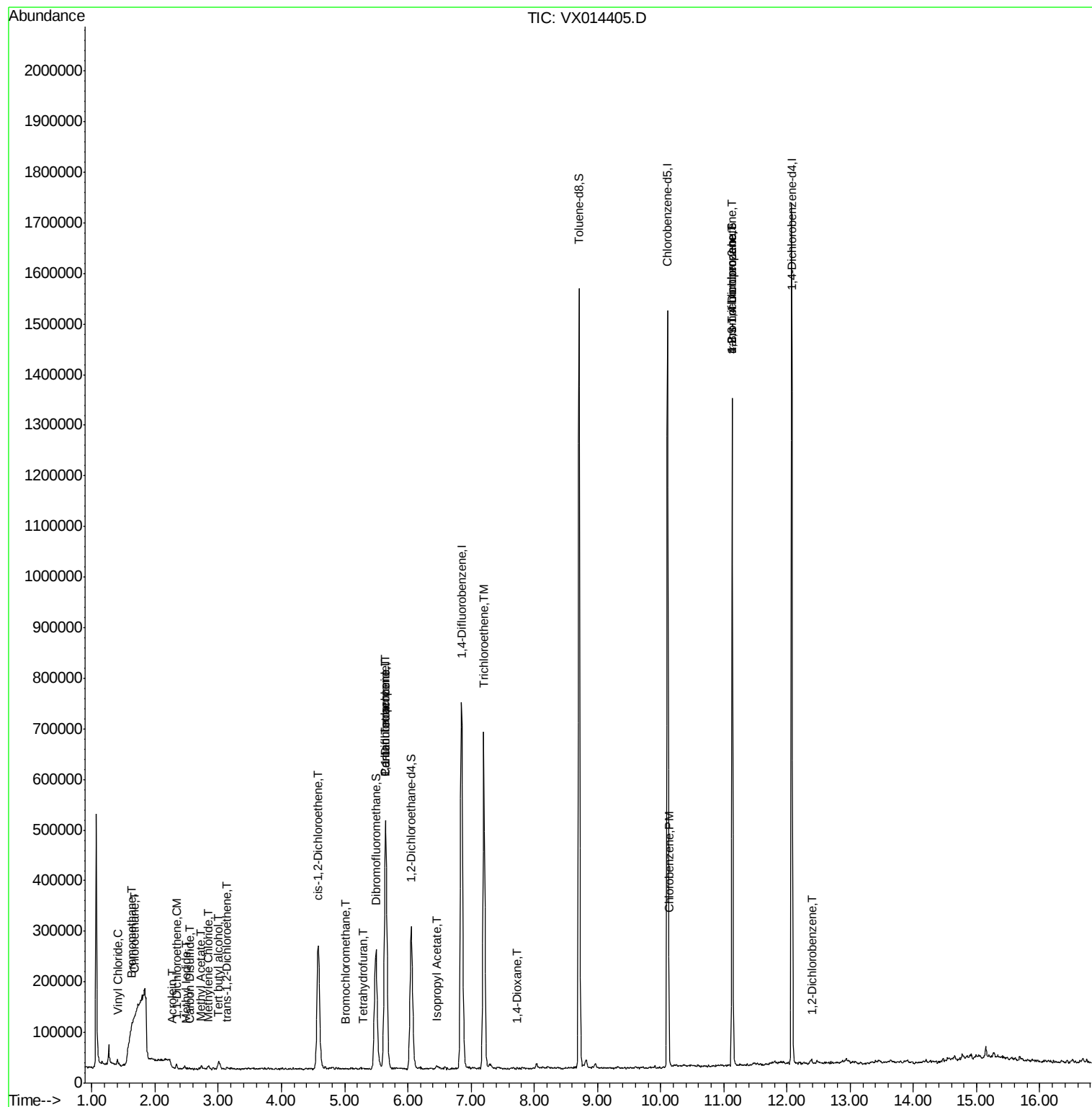
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	8171	1.201	ug/l	99
5) Bromomethane	1.63	94	2207	0.457	ug/l	95
6) Chloroethane	1.66	64	9795	2.332	ug/l #	45
10) Methyl Iodide	2.49	142	1054	2.770	ug/l #	43
11) Tert butyl alcohol	3.01	59	10376	7.888	ug/l #	80
12) 1,1-Dichloroethene	2.34	96	3409	0.660	ug/l #	73
13) Acrolein	2.28	56	299	0.397	ug/l #	1
17) Carbon Disulfide	2.54	76	954	0.816	ug/l #	11
18) Methyl Acetate	2.73	43	1691	0.216	ug/l #	73
20) Methylene Chloride	2.84	84	3182	0.511	ug/l	92
21) trans-1,2-Dichloroethene	3.14	96	2004	0.352	ug/l	85
27) cis-1,2-Dichloroethene	4.58	96	171131	26.581	ug/l	92
28) Bromochloromethane	5.00	49	269	0.522	ug/l #	57
29) Tetrahydrofuran	5.29	42	778	0.285	ug/l	90
36) 1,1-Dichloropropene	5.65	75	36222	4.836	ug/l #	50
38) Carbon Tetrachloride	5.65	117	46123	6.759	ug/l #	16
43) Isopropyl Acetate	6.47	43	4511	0.330	ug/l #	68
44) Trichloroethene	7.20	130	270148	42.435	ug/l	99
49) 1,4-Dioxane	7.73	88	234	1.715	ug/l #	51
65) Chlorobenzene	10.14	112	3078	0.200	ug/l	98
76) 1,2,3-Trichloropropane	11.14	75	163962	21.033	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	163962	59.367	ug/l #	11
91) 1,2-Dichlorobenzene	12.39	146	2932	0.239	ug/l	84

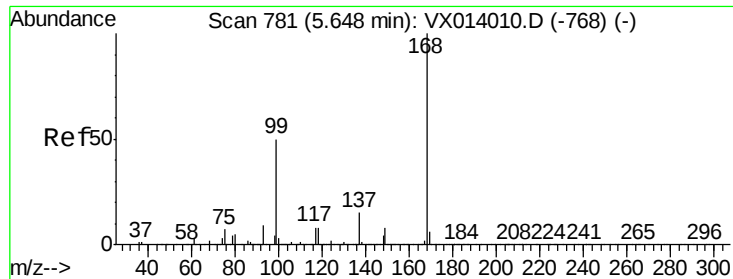
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 06 02:33:48 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX014405.D

Acq: 03 Jan 2020 17:00

Instrument :

MSVOA_X

ClientSampleId :

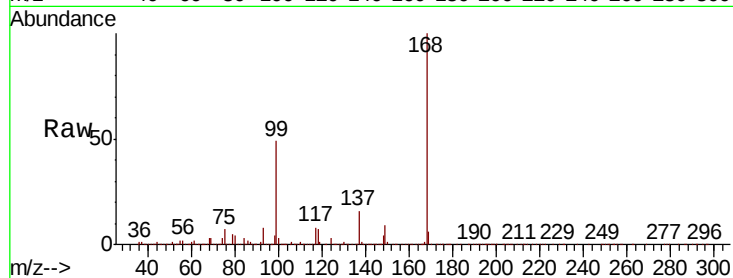
WP022SB455_191227-21-23ME

Tot Ion:168 Resp: 537158

Ion Ratio Lower Upper

168 100

99 49.2 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

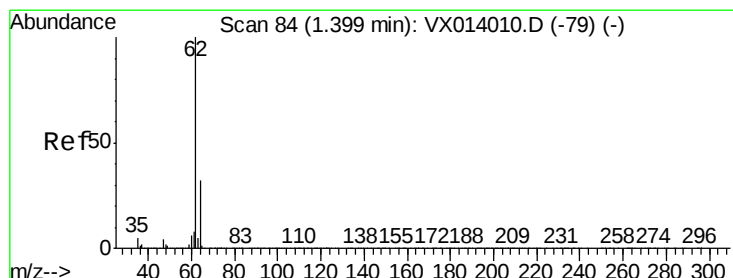
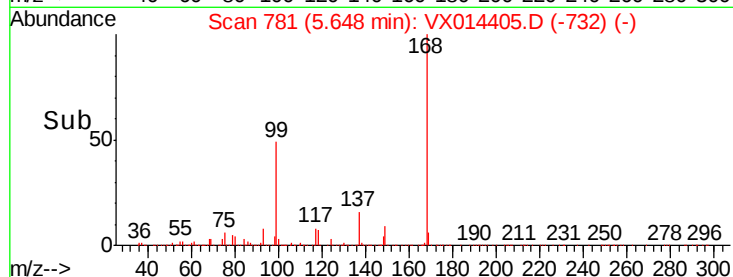
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 1.201 ug/l

RT: 1.41 min Scan# 85

Delta R.T. 0.01 min

Lab File: VX014405.D

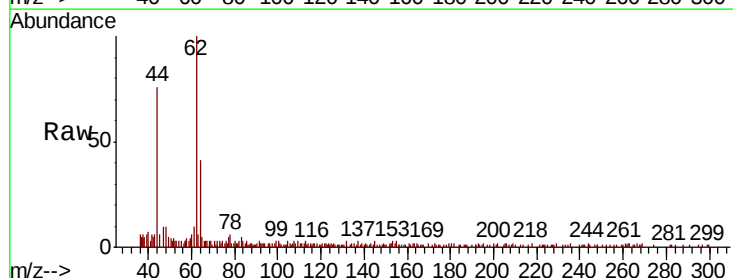
Acq: 03 Jan 2020 17:00

Tgt Ion: 62 Resp: 8171

Ion Ratio Lower Upper

62 100

64 32.8 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

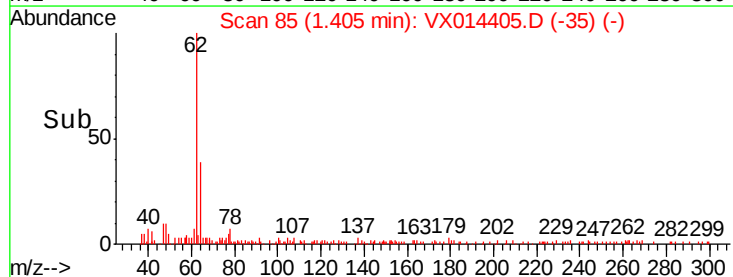
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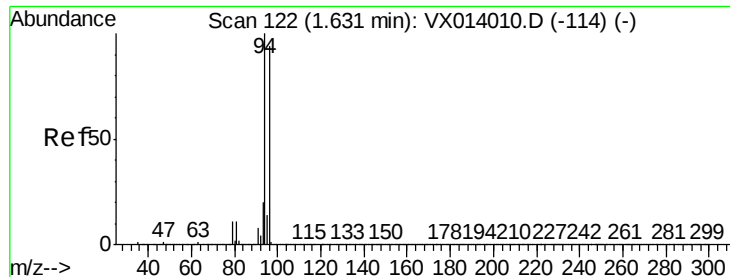
4000

2000

0

Time-->





#5

Bromomethane

Concen: 0.457 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX014405.D

Acq: 03 Jan 2020 17:00

Instrument :

MSVOA_X

ClientSampleId :

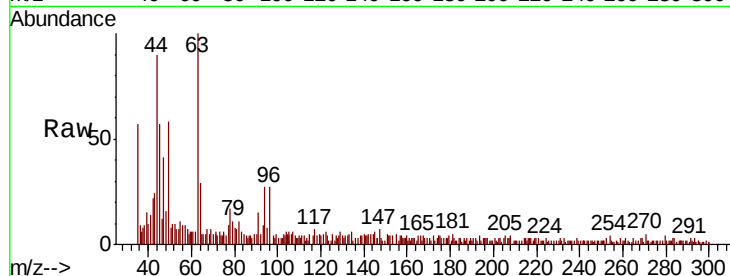
WP022SB455_191227-21-23ME

Tot Ion: 94 Resp: 2207

Ion Ratio Lower Upper

94 100

96 89.6 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

2000

1500

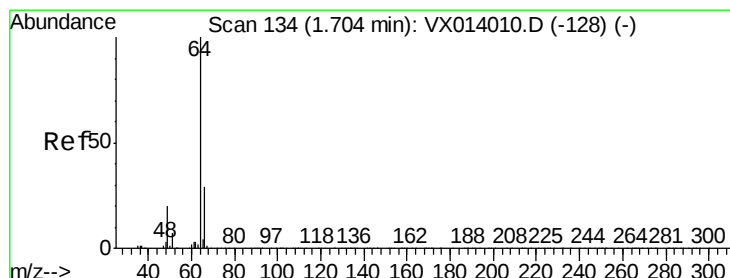
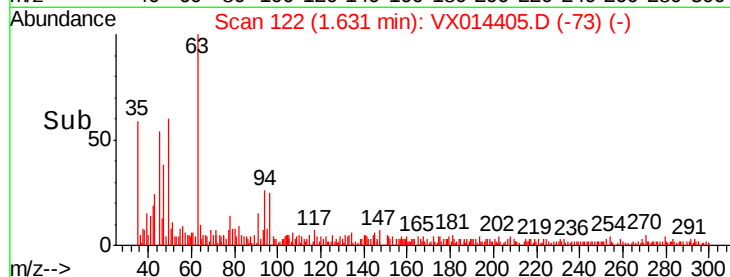
1000

500

0

1.60 1.65

Time-->



#6

Chloroethane

Concen: 2.332 ug/l

RT: 1.66 min Scan# 127

Delta R.T. -0.04 min

Lab File: VX014405.D

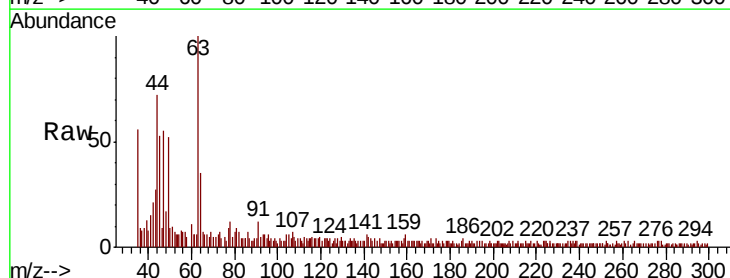
Acq: 03 Jan 2020 17:00

Tgt Ion: 64 Resp: 9795

Ion Ratio Lower Upper

64 100

66 0.0 23.4 35.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.66

3000

2500

2000

1500

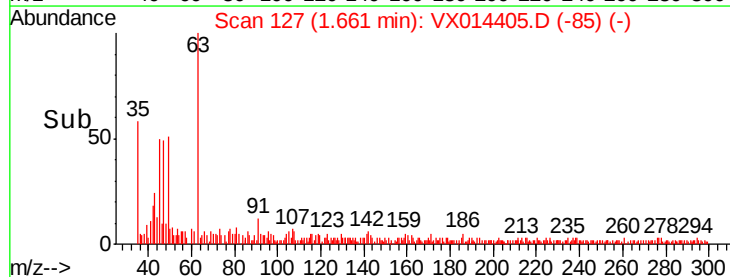
1000

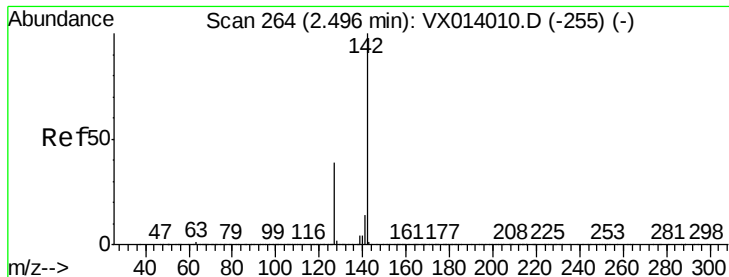
500

0

1.50 1.55 1.60 1.65 1.70

Time-->





#10

Methvl Iodide

Concen: 2.770 ug/l

RT: 2.49 min Scan# 263

Delta R.T. -0.01 min

Lab File: VX014405.D

Acq: 03 Jan 2020 17:00

Instrument :

MSVOA_X

ClientSampleId :

WP022SB455_191227-21-23ME

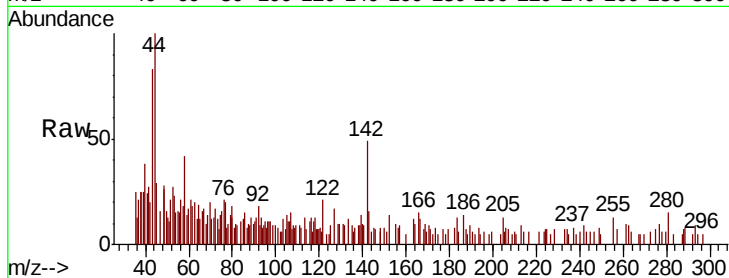
Tot Ion:142 Resp: 1054

Ion Ratio Lower Upper

142 100

127 0.0 31.6 47.4#

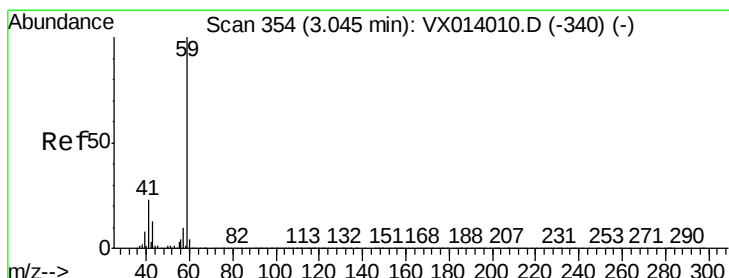
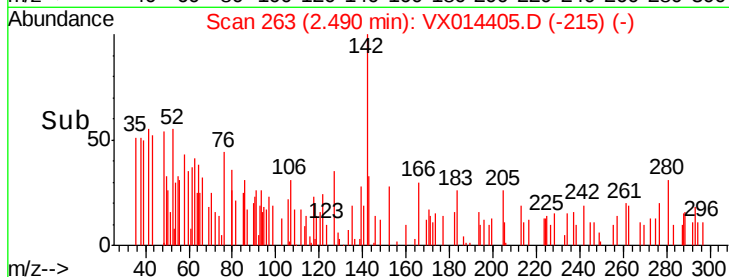
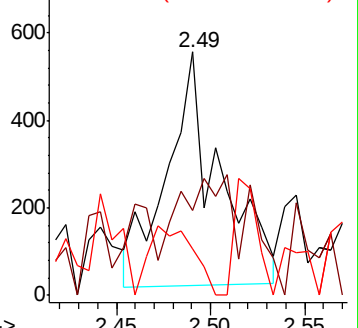
141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 7.888 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.03 min

Lab File: VX014405.D

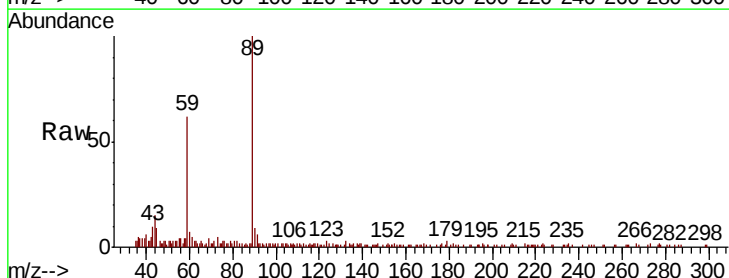
Acq: 03 Jan 2020 17:00

Tgt Ion: 59 Resp: 10376

Ion Ratio Lower Upper

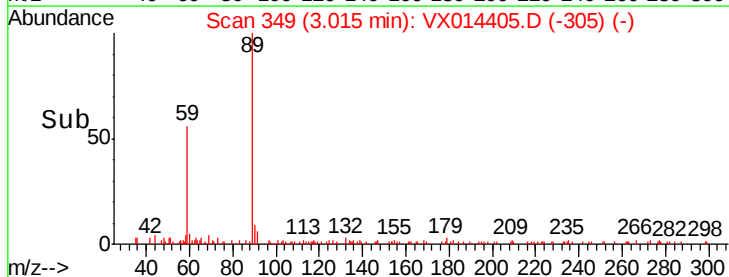
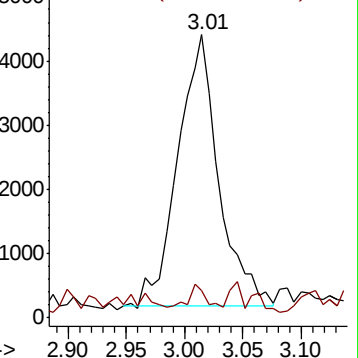
59 100

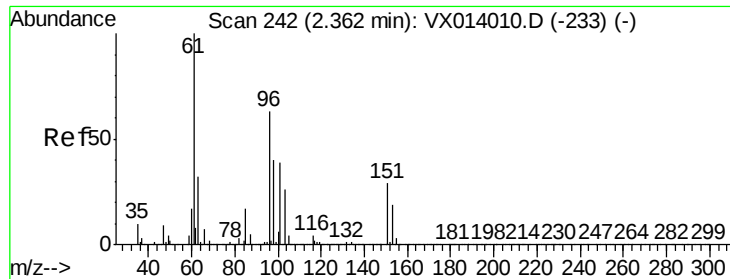
57 3.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 0.660 ug/l

RT: 2.34 min Scan# 239

Delta R.T. -0.02 min

Lab File: VX014405.D

Acq: 03 Jan 2020 17:00

Instrument :

MSVOA_X

ClientSampleId :

WP022SB455_191227-21-23ME

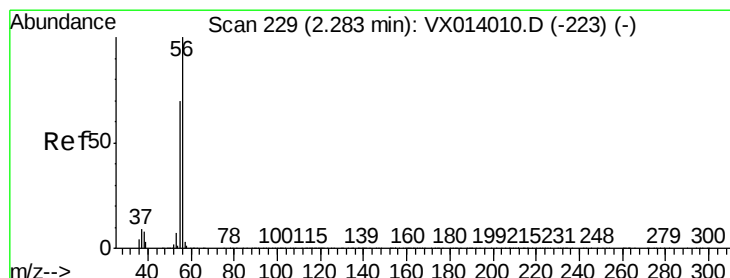
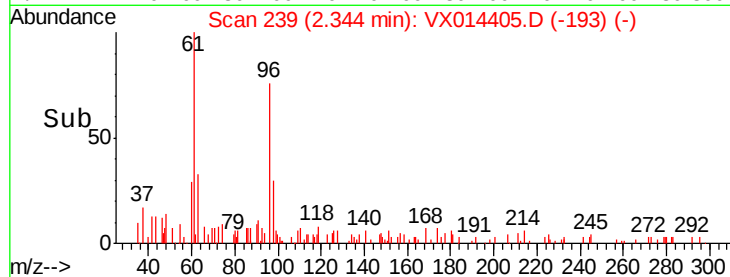
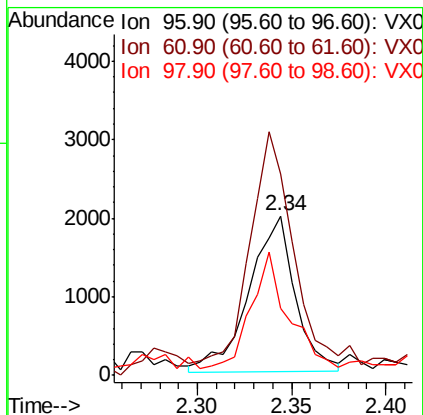
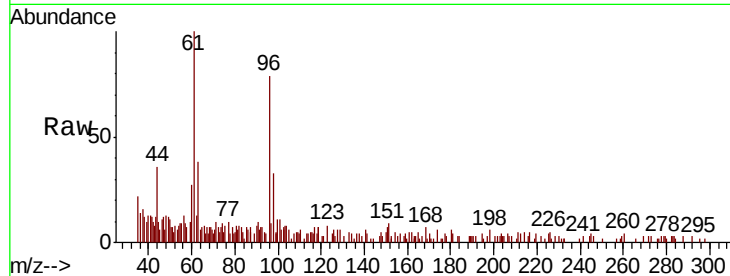
Tot Ion: 96 Resp: 3409

Ion Ratio Lower Upper

96 100

61 126.1 127.9 191.9#

98 39.1 50.5 75.7#



#13

Acrolein

Concen: 0.397 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX014405.D

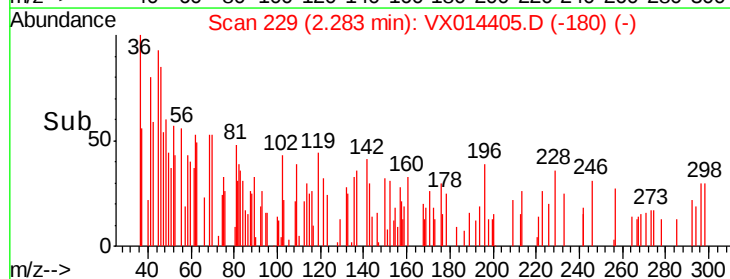
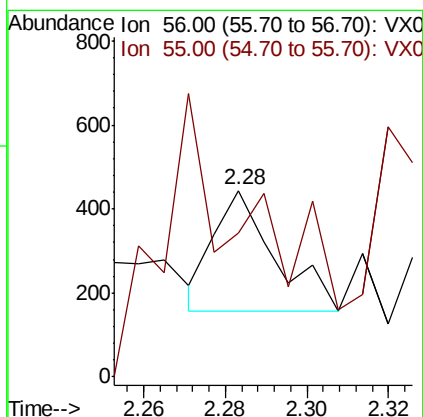
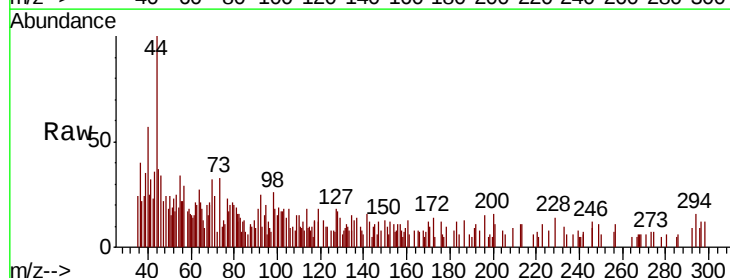
Acq: 03 Jan 2020 17:00

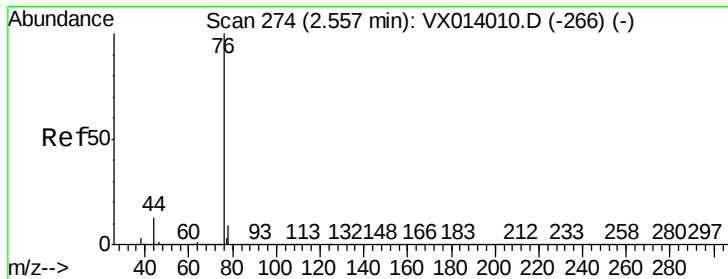
Tgt Ion: 56 Resp: 299

Ion Ratio Lower Upper

56 100

55 229.1 56.9 85.3#





#17

Carbon Disulfide

Concen: 0.816 ug/l

RT: 2.54 min Scan# 271

Delta R.T. -0.02 min

Lab File: VX014405.D

Acq: 03 Jan 2020 17:00

Instrument :

MSVOA_X

ClientSampleId :

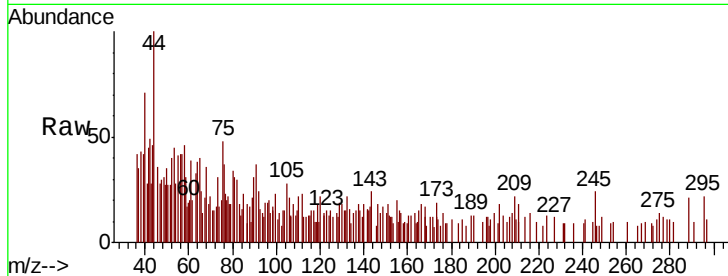
WP022SB455_191227-21-23ME

Tot Ion: 76 Resp: 954

Ion Ratio Lower Upper

76 100

78 41.3 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.54

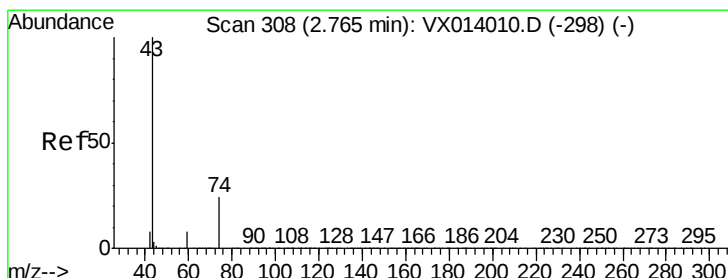
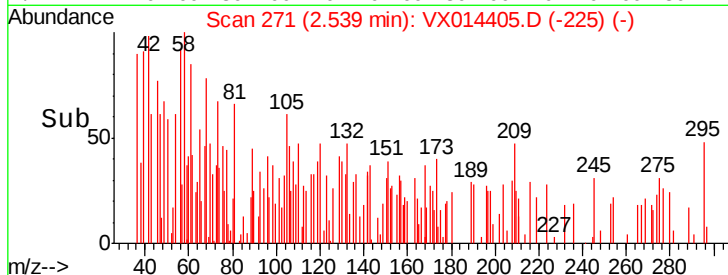
600

400

200

0

Time-->



#18

Methyl Acetate

Concen: 0.216 ug/l

RT: 2.73 min Scan# 302

Delta R.T. -0.04 min

Lab File: VX014405.D

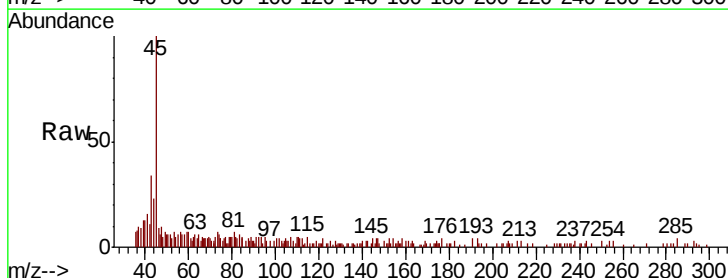
Acq: 03 Jan 2020 17:00

Tgt Ion: 43 Resp: 1691

Ion Ratio Lower Upper

43 100

74 11.1 19.5 29.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

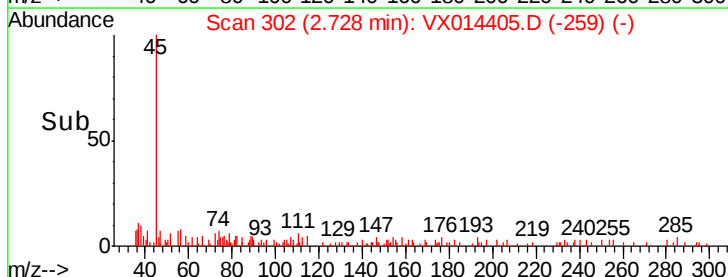
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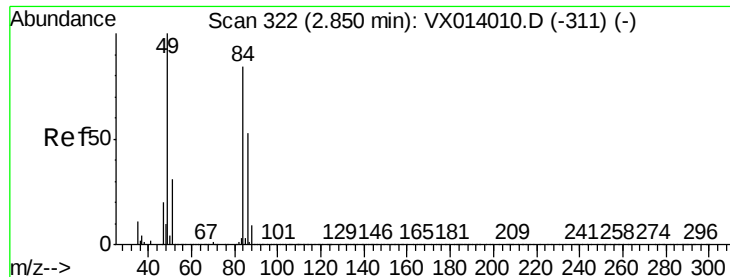
1000

500

0

Time-->





#20

Methvlene Chloride

Concen: 0.511 ug/l

RT: 2.84 min Scan# 320

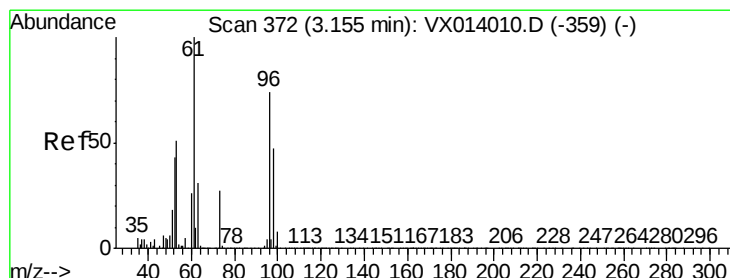
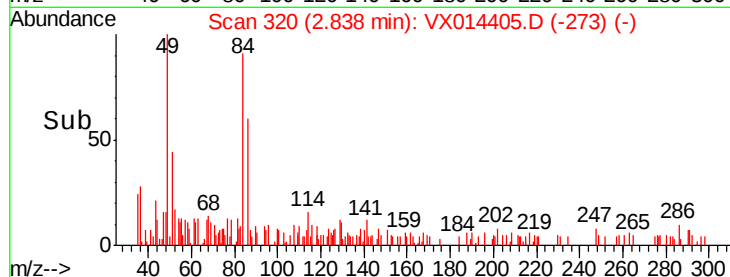
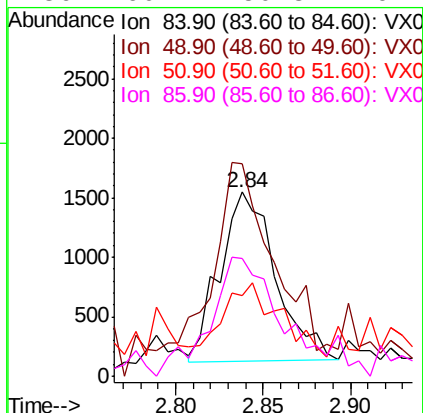
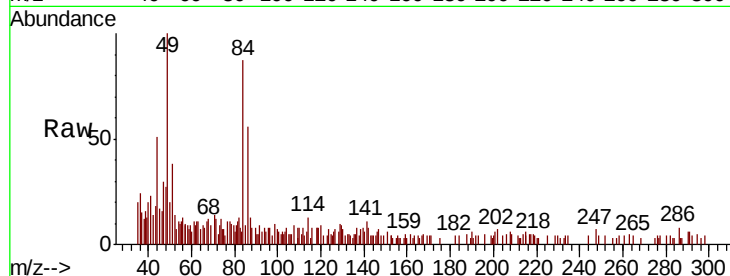
Delta R.T. -0.01 min

Lab File: VX014405.D

Acq: 03 Jan 2020 17:00

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Tot Ion:	84	Resp:	3182
Ion	Ratio	Lower	Upper
84	100		
49	110.9	95.8	143.6
51	30.4	29.8	44.8
86	60.1	50.8	76.2



#21

trans-1,2-Dichloroethene

Concen: 0.352 ug/l

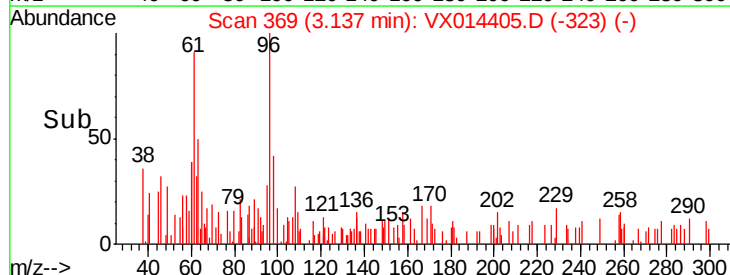
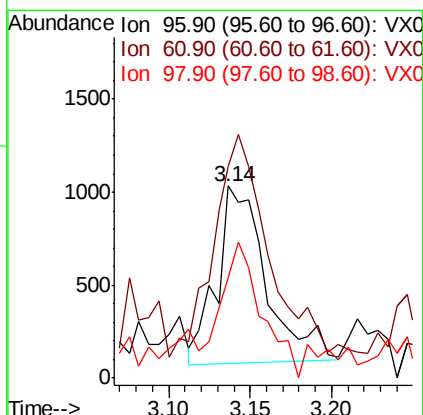
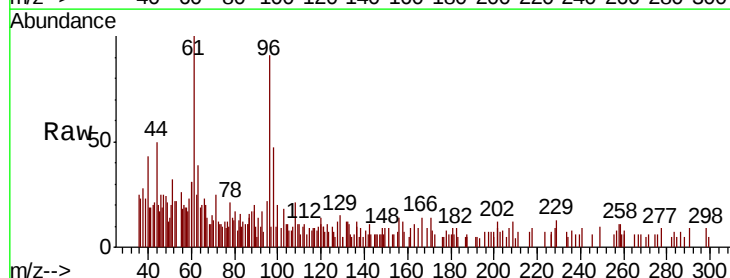
RT: 3.14 min Scan# 369

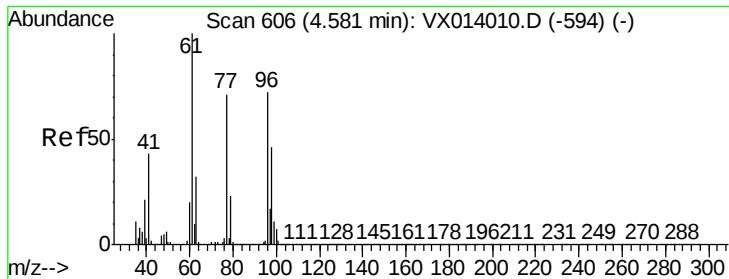
Delta R.T. -0.02 min

Lab File: VX014405.D

Acq: 03 Jan 2020 17:00

Tgt Ion:	96	Resp:	2004
Ion	Ratio	Lower	Upper
96	100		
61	116.5	108.3	162.5
98	53.3	50.8	76.2



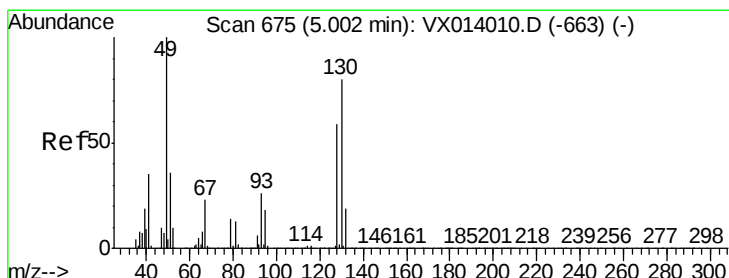
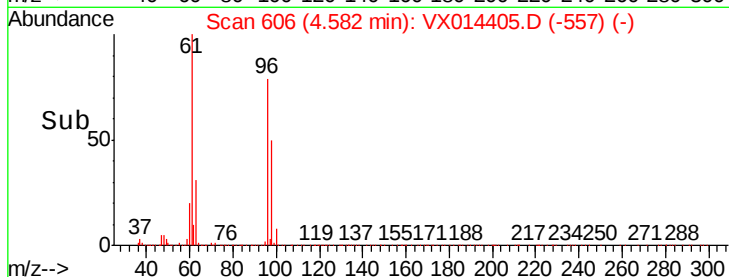
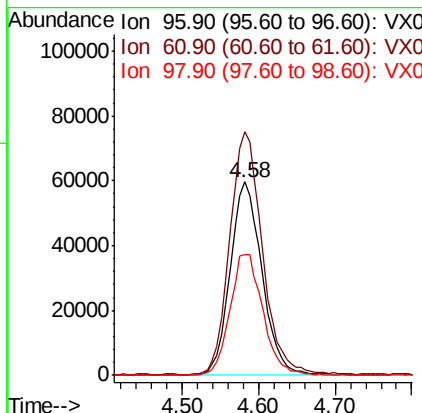
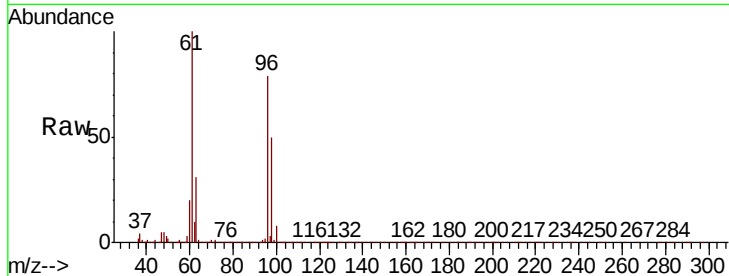


#27

cis-1,2-Dichloroethene
Concen: 26.581 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX014405.D
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MSVOA_X
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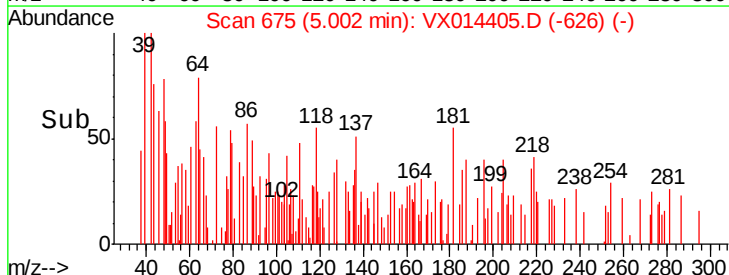
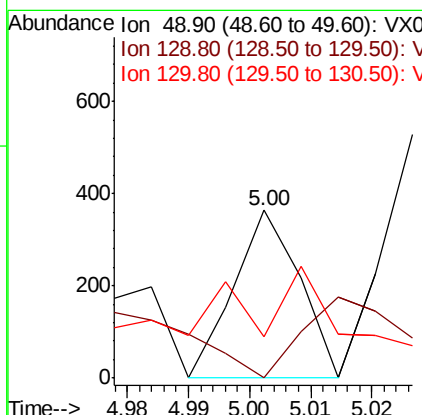
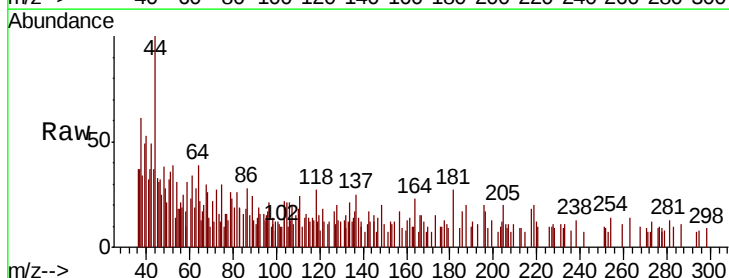
Tot Ion: 96 Resp: 171131
Ion Ratio Lower Upper
96 100
61 130.0 0.0 288.4
98 64.3 0.0 129.6

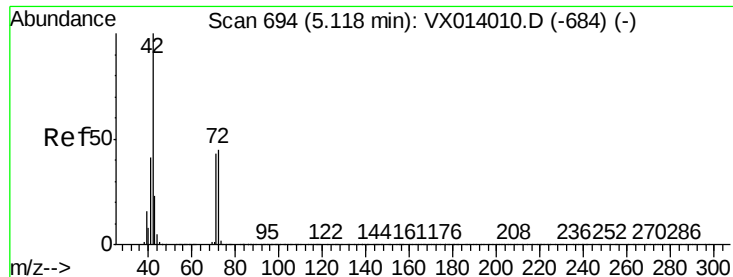


#28

Bromochloromethane
Concen: 0.522 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX014405.D
Acq: 03 Jan 2020 17:00

Tgt Ion: 49 Resp: 269
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.0
130 41.6 64.6 97.0#

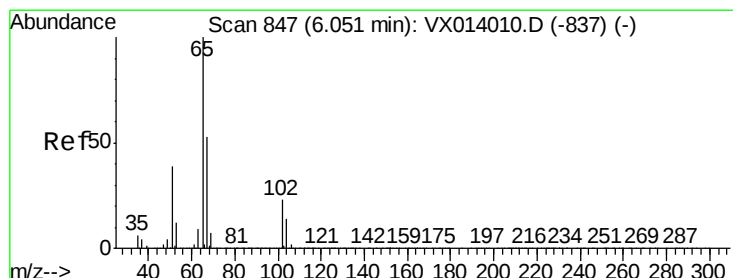
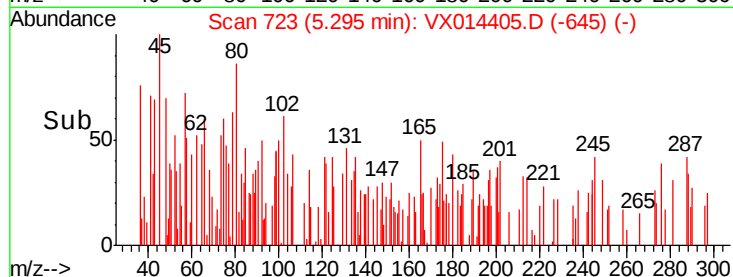
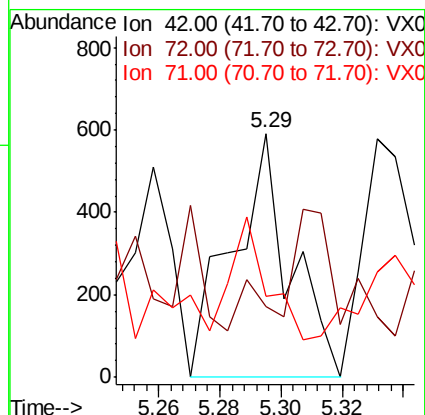
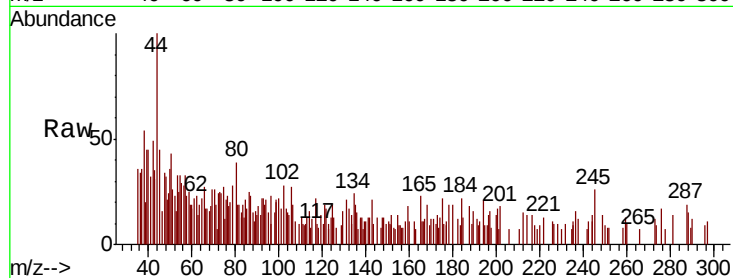




#29
Tetrahydrofuran
Concen: 0.285 ug/l
RT: 5.29 min Scan# 723
Delta R.T. 0.18 min
Lab File: VX014405.D
Acq: 03 Jan 2020 17:00

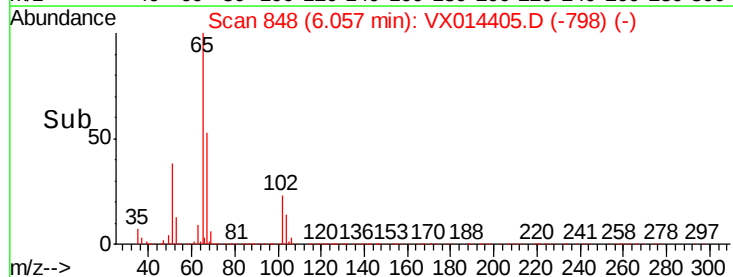
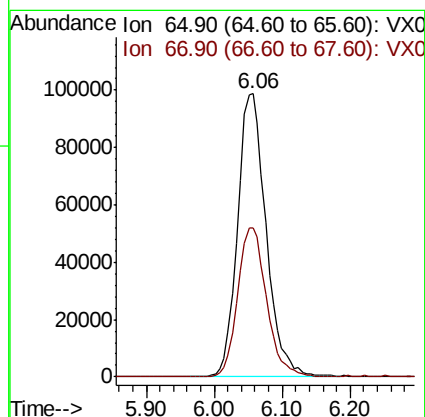
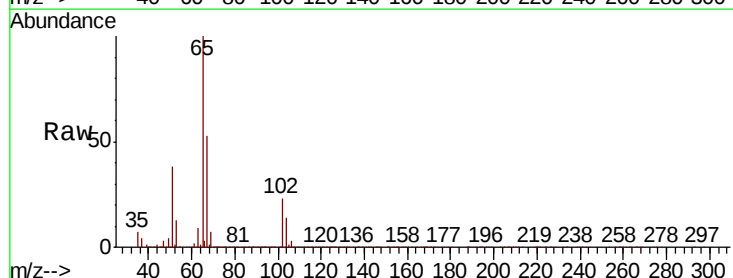
Instrument :
MSVOA_X
ClientSampleId :
WP022SB455_191227-21-23ME

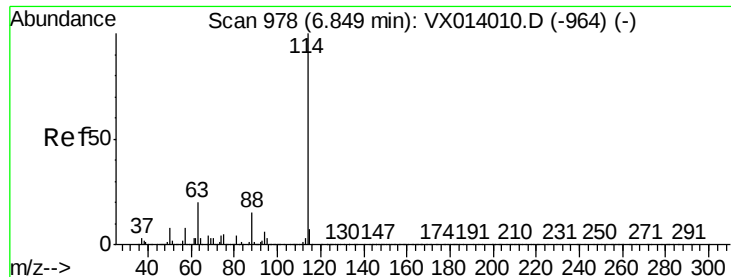
Tot Ion: 42 Resp: 778
Ion Ratio Lower Upper
42 100
72 51.2 35.8 53.8
71 35.1 33.6 50.4



#33
1,2-Dichloroethane-d4
Concen: 46.904 ug/l
RT: 6.06 min Scan# 848
Delta R.T. 0.01 min
Lab File: VX014405.D
Acq: 03 Jan 2020 17:00

Tgt Ion: 65 Resp: 285547
Ion Ratio Lower Upper
65 100
67 53.5 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: VX014405.D

Acq: 03 Jan 2020 17:00

Instrument :

MSVOA_X

ClientSampleId :

WP022SB455_191227-21-23ME

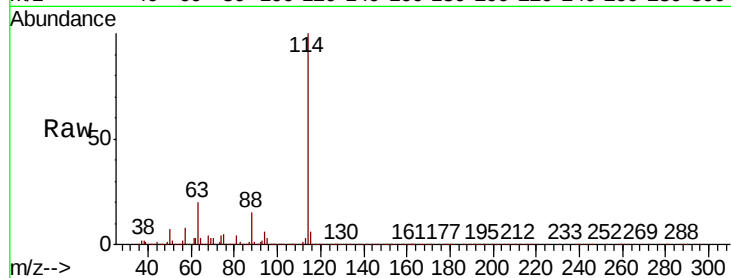
Tot Ion:114 Resp: 816383

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.8

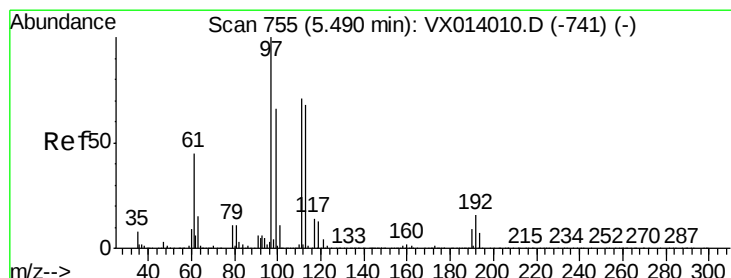
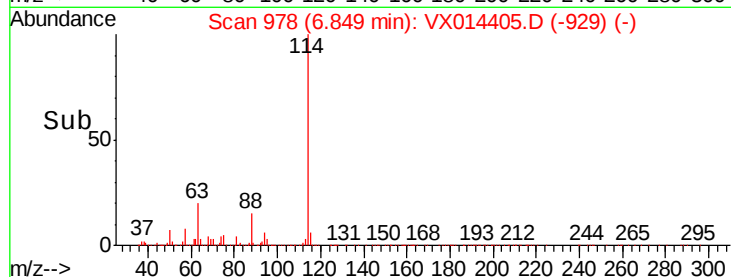
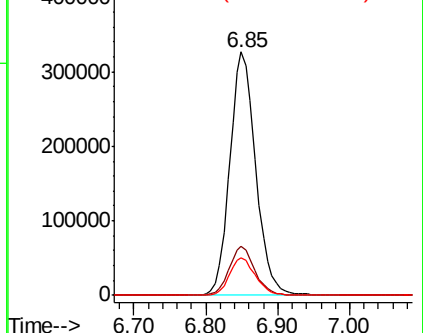
88 15.3 0.0 30.4



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: 45.469 ug/l

RT: 5.50 min Scan# 756

Delta R.T. 0.01 min

Lab File: VX014405.D

Acq: 03 Jan 2020 17:00

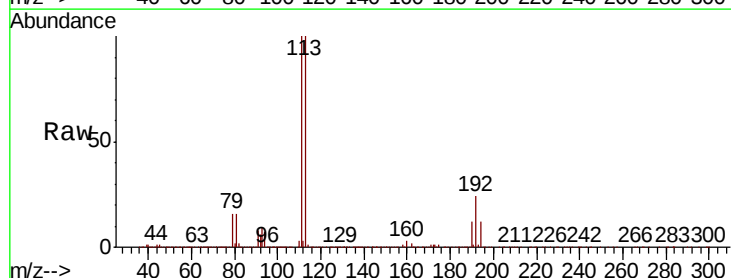
Tgt Ion:113 Resp: 225649

Ion Ratio Lower Upper

113 100

111 103.4 82.0 123.0

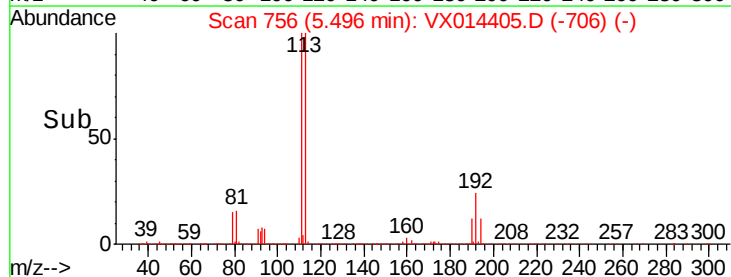
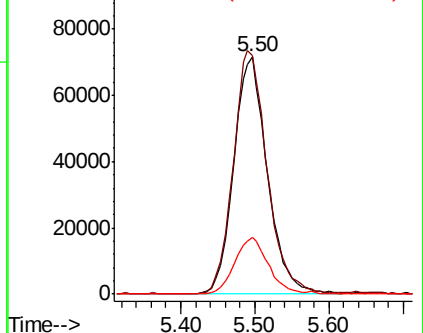
192 24.1 19.3 28.9

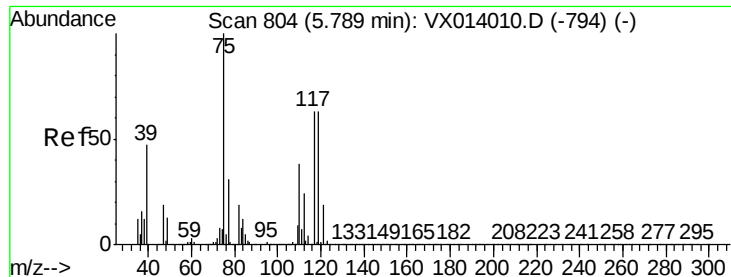


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

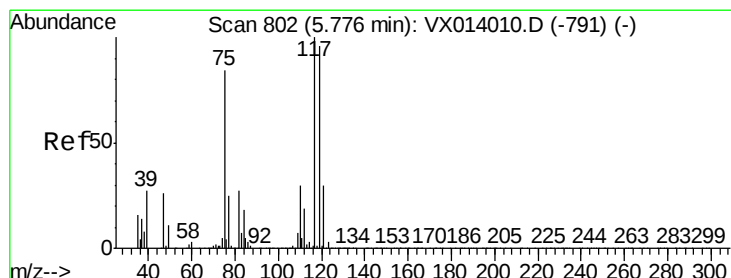
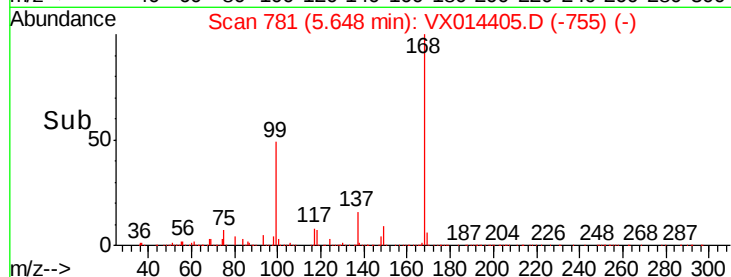
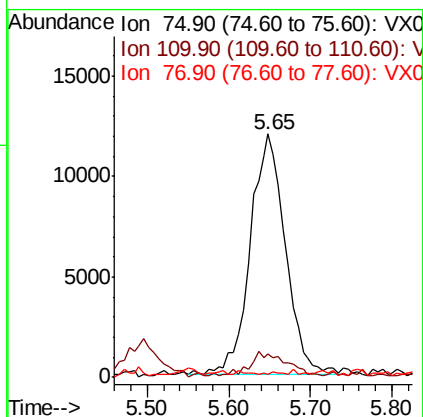
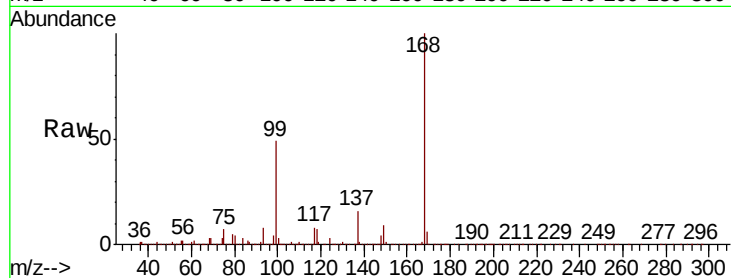




#36
 1,1-Dichloropropene
 Concen: 4.836 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX014405.D
 Acq: 03 Jan 2020 17:00

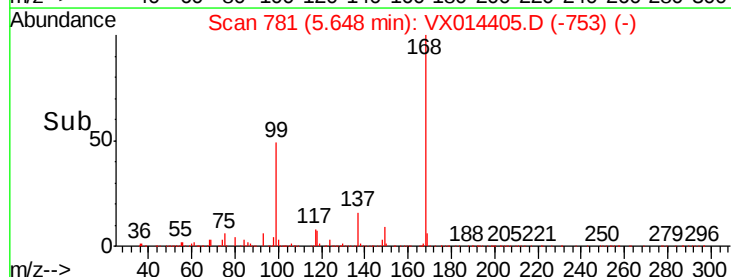
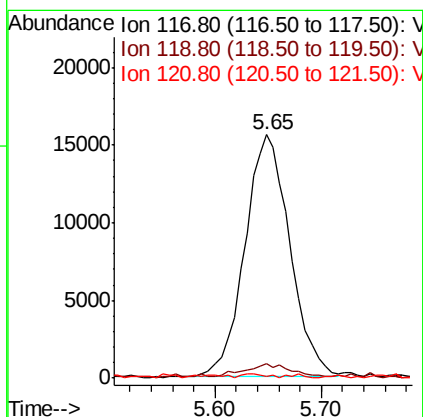
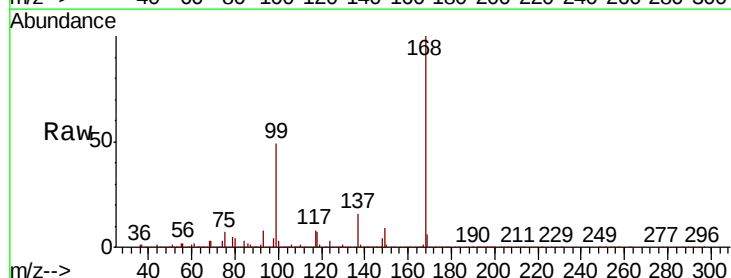
Instrument :
 MSVOA_X
 ClientSampleId :
 WP022SB455_191227-21-23ME

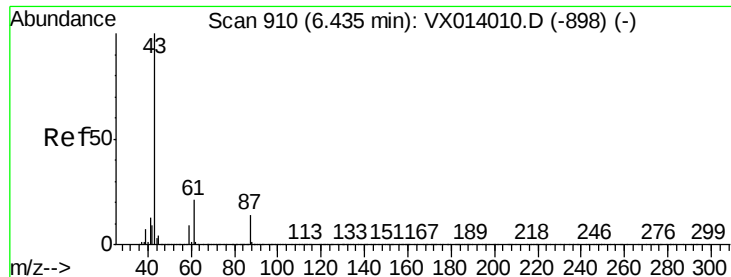
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.3	18.3	54.9#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.759 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX014405.D
 Acq: 03 Jan 2020 17:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	76.2	114.4#
121	0.2	23.6	35.4#





#43

Isopropyl Acetate

Concen: 0.330 ug/l

RT: 6.47 min Scan# 915

Delta R.T. 0.03 min

Lab File: VX014405.D

Acq: 03 Jan 2020 17:00

Instrument :

MSVOA_X

ClientSampleId :

WP022SB455_191227-21-23ME

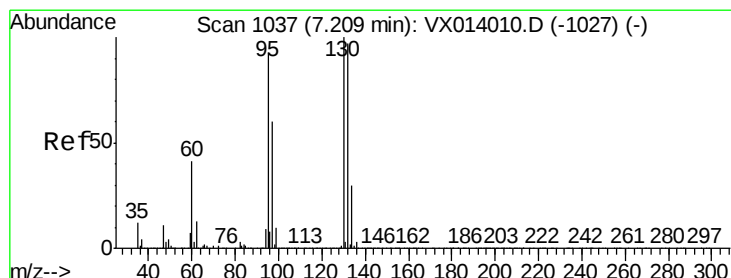
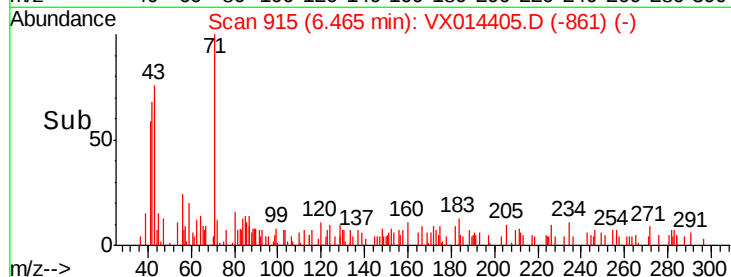
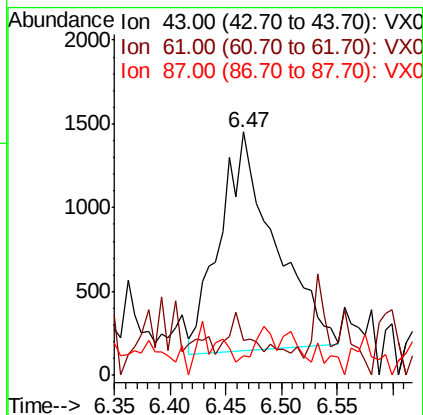
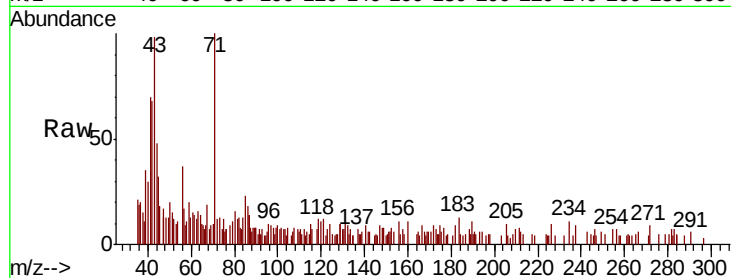
Tot Ion: 43 Resp: 4511

Ion Ratio Lower Upper

43 100

61 5.8 16.4 24.6#

87 0.0 10.7 16.1#



#44

Trichloroethene

Concen: 42.435 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX014405.D

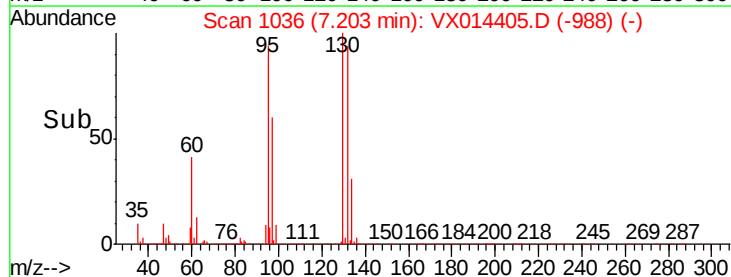
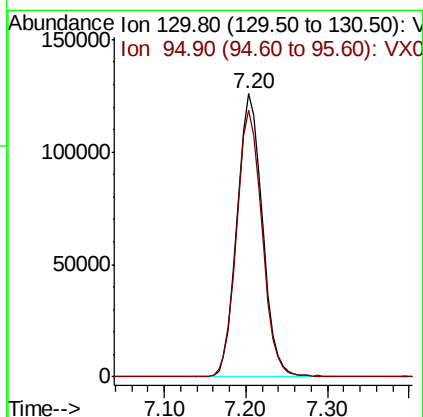
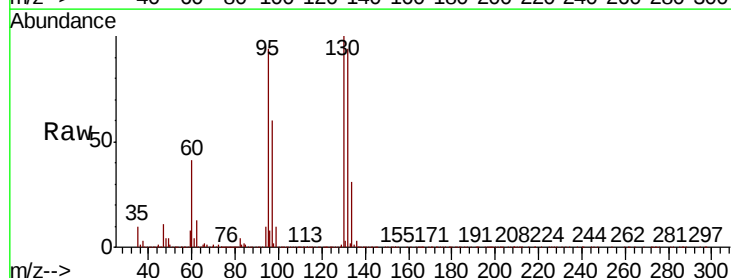
Acq: 03 Jan 2020 17:00

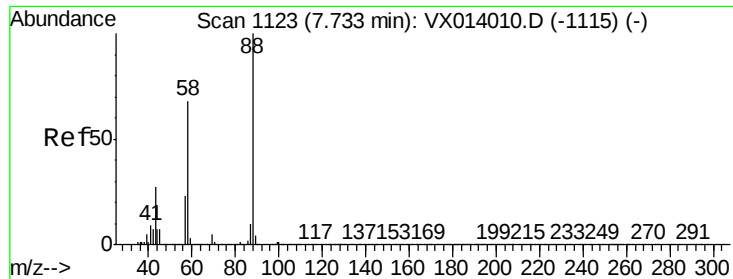
Tgt Ion: 130 Resp: 270148

Ion Ratio Lower Upper

130 100

95 94.0 0.0 185.6





#49

1,4-Dioxane

Concen: 1.715 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX014405.D

Acq: 03 Jan 2020 17:00

Instrument :

MSVOA_X

ClientSampleId :

WP022SB455_191227-21-23ME

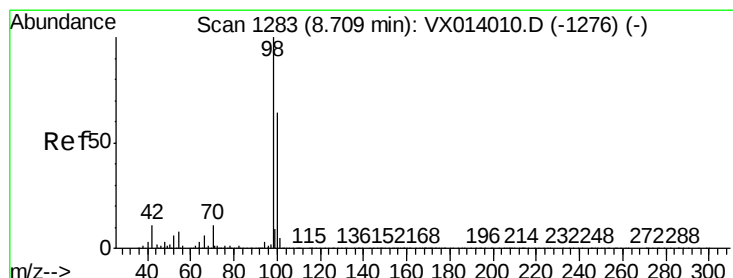
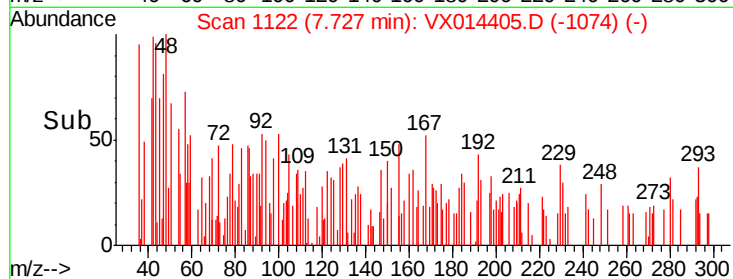
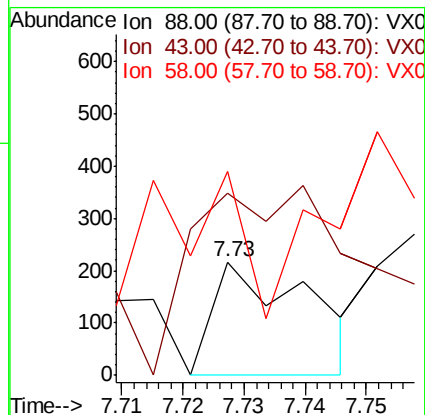
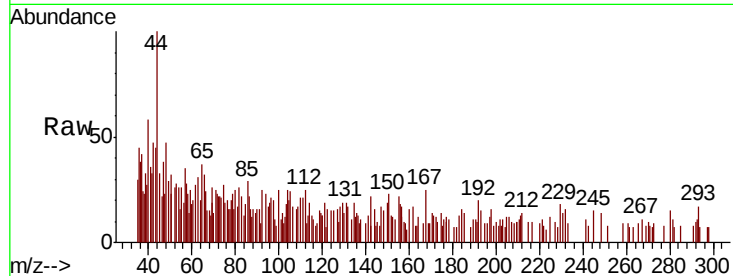
Tot Ion: 88 Resp: 234

Ion Ratio Lower Upper

88 100

43 0.0 26.5 39.7#

58 107.7 56.8 85.2#



#50

Toluene-d8

Concen: 49.306 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014405.D

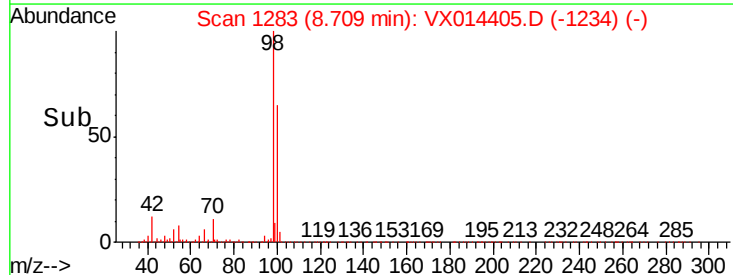
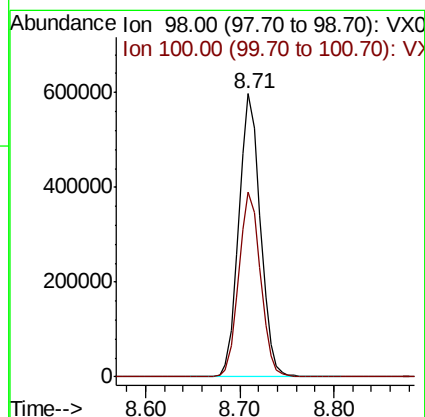
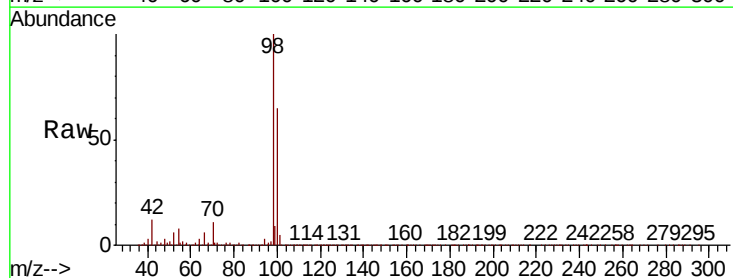
Acq: 03 Jan 2020 17:00

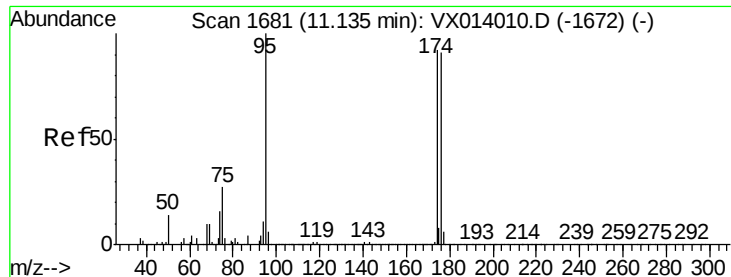
Tgt Ion: 98 Resp: 952644

Ion Ratio Lower Upper

98 100

100 66.0 52.9 79.3

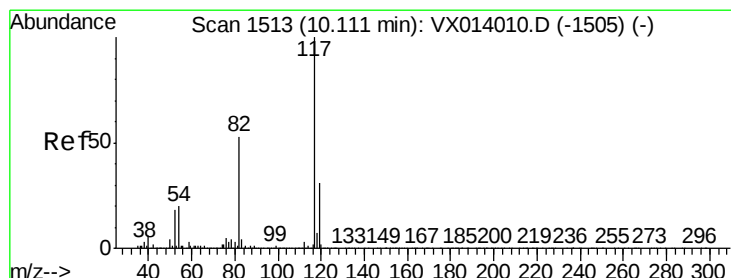
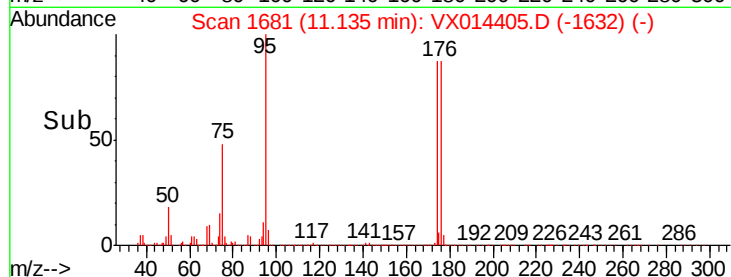
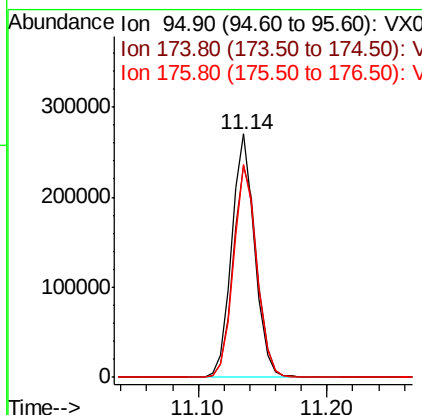
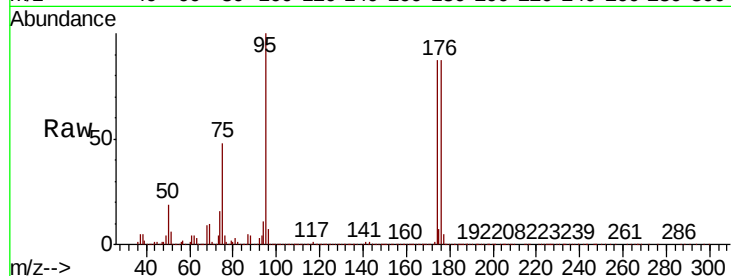




#62
4-Bromofluorobenzene
Concen: 47.718 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX014405.D
Acq: 03 Jan 2020 17:00

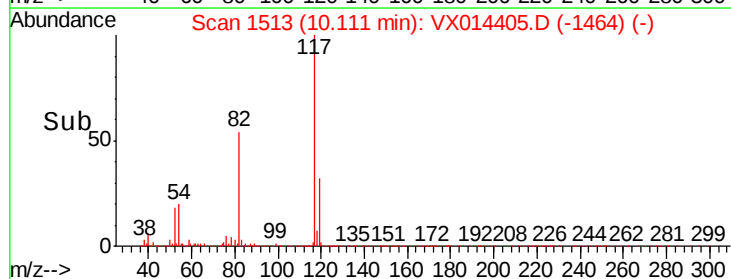
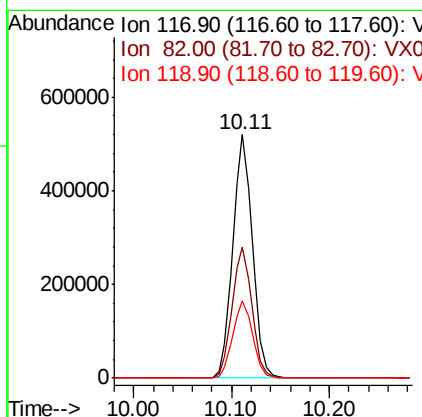
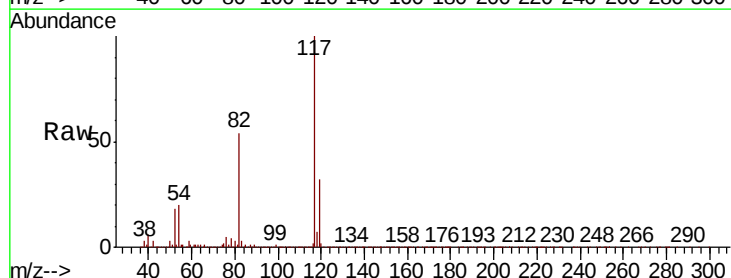
Instrument :
MSVOA_X
ClientSampleId :
WP022SB455_191227-21-23ME

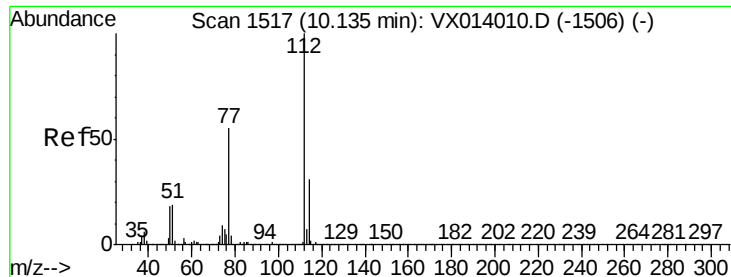
Tot Ion	Ratio	Lower	Upper
95	100		
174	90.5	0.0	175.8
176	88.2	0.0	173.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014405.D
Acq: 03 Jan 2020 17:00

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.9	42.2	63.4
119	31.8	25.1	37.7





#65

Chlorobenzene

Concen: 0.200 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX014405.D

Acq: 03 Jan 2020 17:00

Instrument :

MSVOA_X

ClientSampleId :

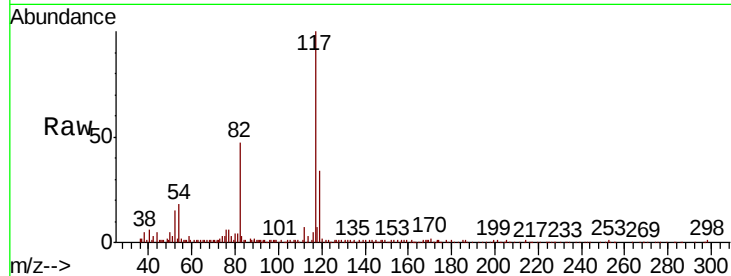
WP022SB455_191227-21-23ME

Tot Ion:112 Resp: 3078

Ion Ratio Lower Upper

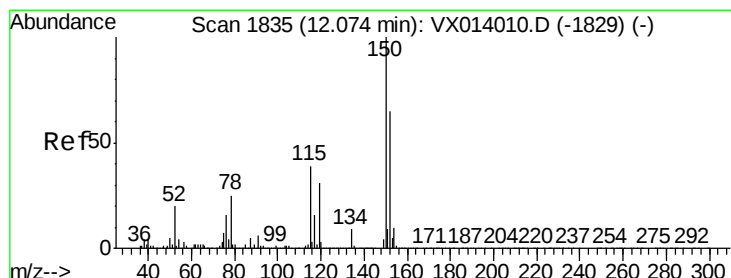
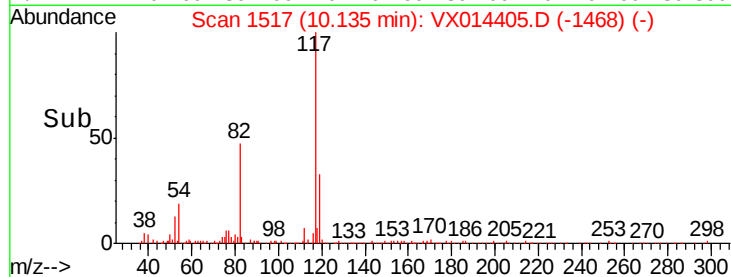
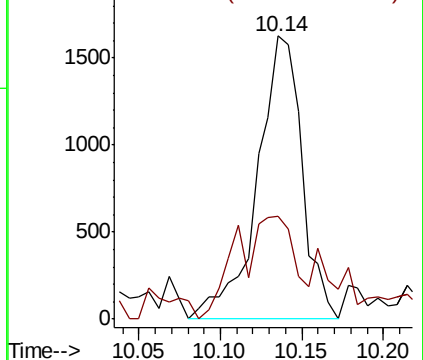
112 100

114 30.0 24.9 37.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014405.D

Acq: 03 Jan 2020 17:00

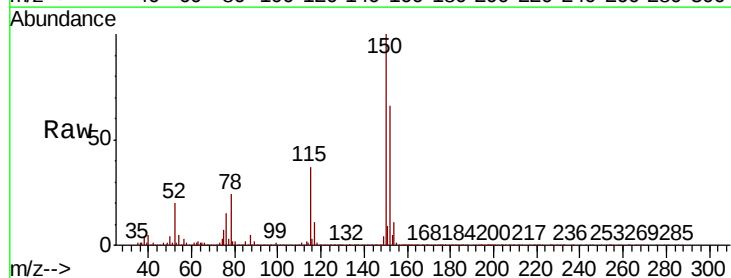
Tgt Ion:152 Resp: 359069

Ion Ratio Lower Upper

152 100

115 54.8 38.3 114.9

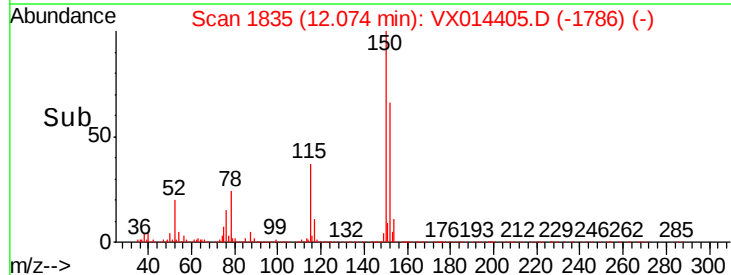
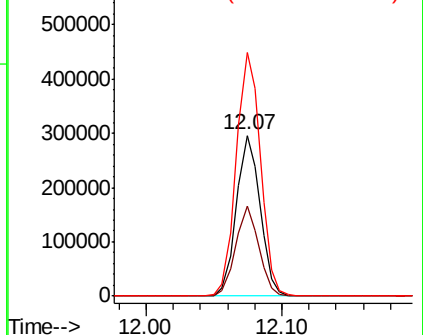
150 155.1 0.0 345.4

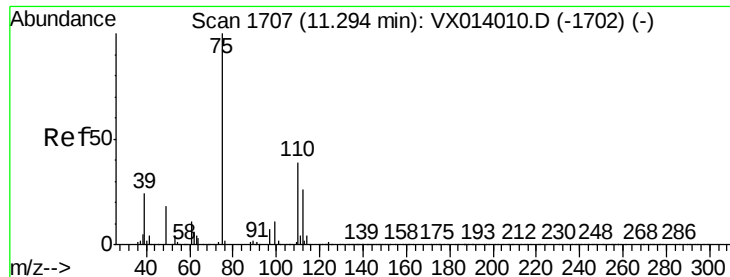


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.033 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX014405.D

Acq: 03 Jan 2020 17:00

Instrument :

MSVOA_X

ClientSampleId :

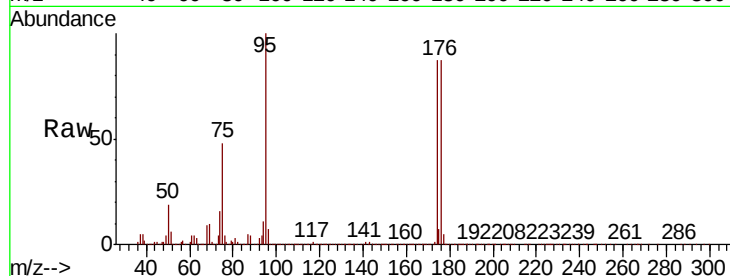
WP022SB455_191227-21-23ME

Tot Ion: 75 Resp: 163962

Ion Ratio Lower Upper

75 100

77 1.3 19.3 57.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.14

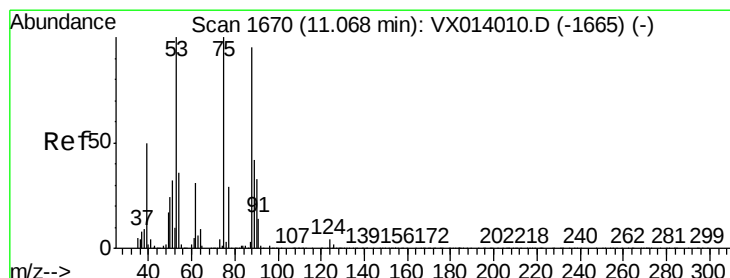
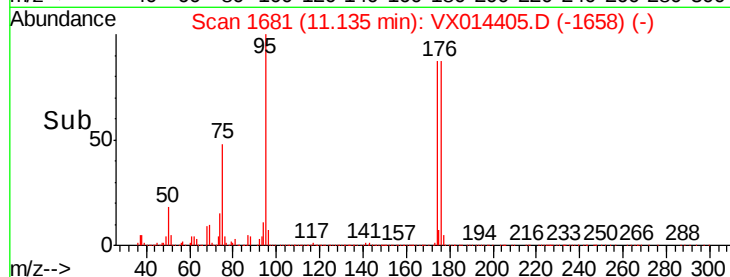
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 59.367 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX014405.D

Acq: 03 Jan 2020 17:00

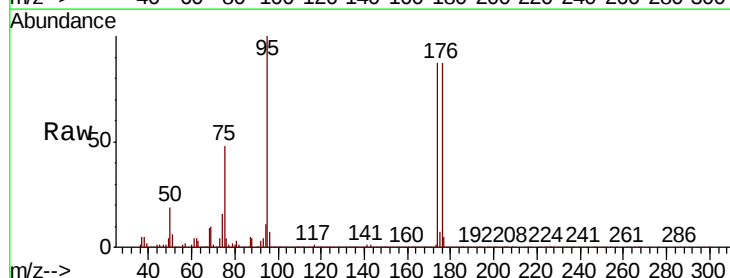
Tgt Ion: 75 Resp: 163962

Ion Ratio Lower Upper

75 100

53 0.2 76.7 115.1#

89 0.0 34.6 51.8#



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

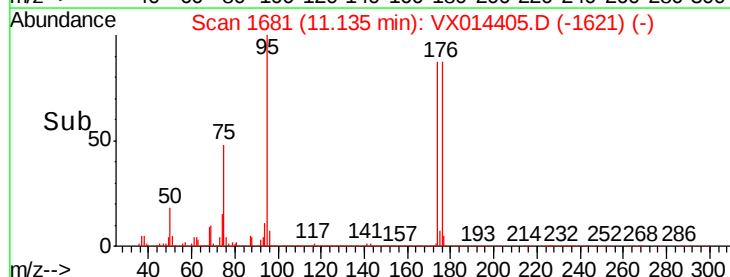
150000

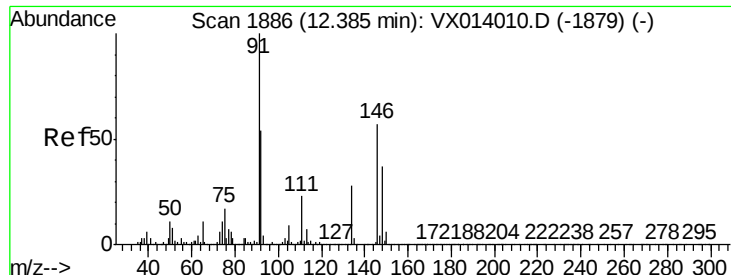
100000

50000

0

Time-->





#91

1,2-Dichlorobenzene

Concen: 0.239 ug/l

RT: 12.39 min Scan# 1887

Delta R.T. 0.01 min

Lab File: VX014405.D

Acq: 03 Jan 2020 17:00

Instrument :

MSVOA_X

ClientSampleId :

WP022SB455_191227-21-23ME

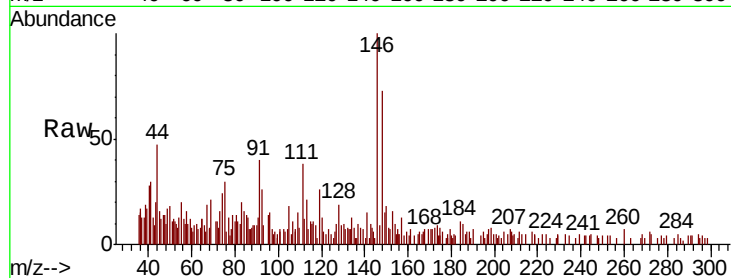
Tot Ion:146 Resp: 2932

Ion Ratio Lower Upper

146 100

111 43.8 19.7 59.1

148 80.9 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

