

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 :

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%	

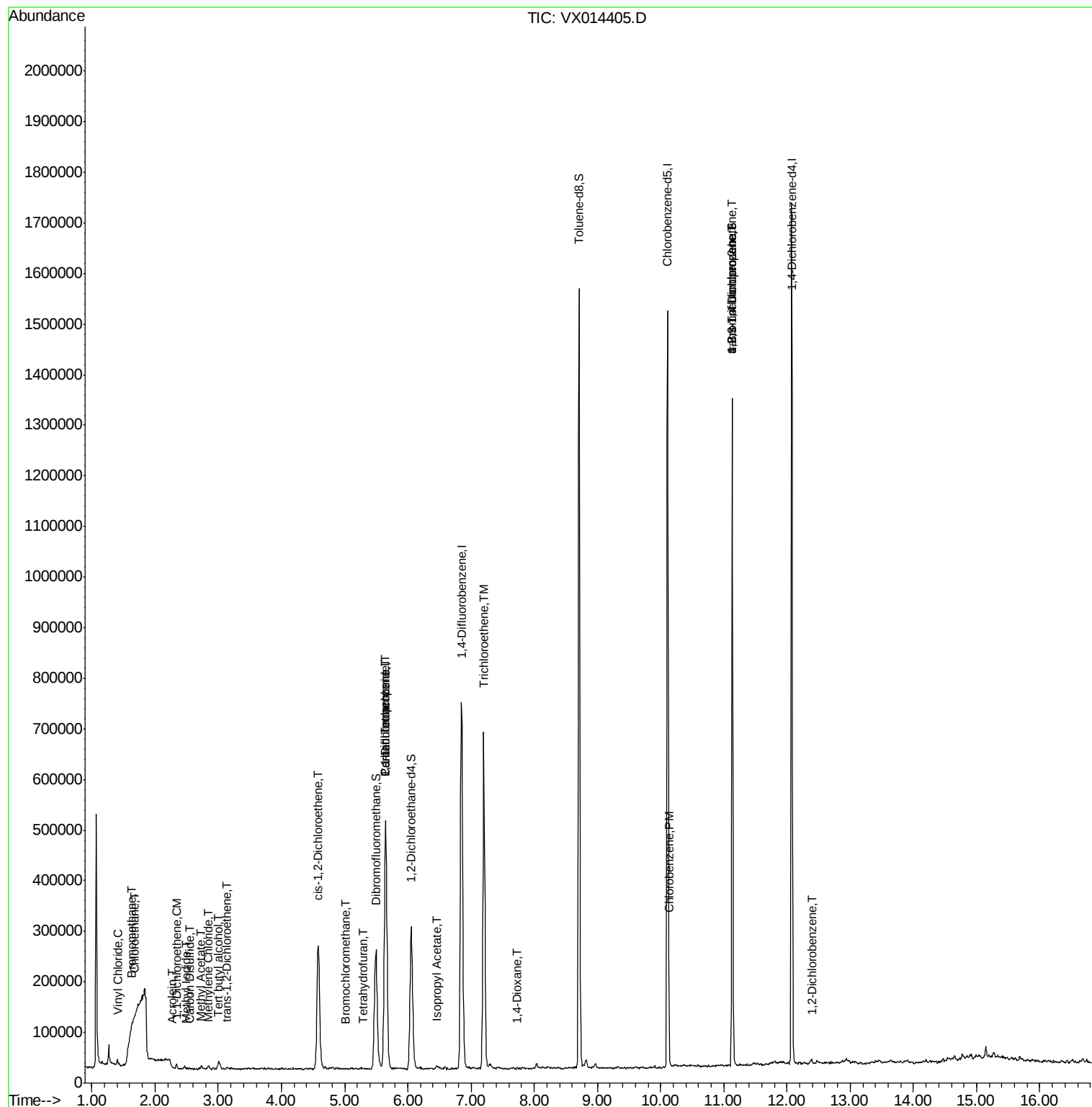
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	8171	1.201	ug/l	99
5) Bromomethane	1.63	94	2207	0.457	ug/l	95
6) Chloroethane	1.66	64	9795	2.332	ug/l #	45
10) Methyl Iodide	2.49	142	1054	2.770	ug/l #	43
11) Tert butyl alcohol	3.01	59	10376	7.888	ug/l #	80
12) 1,1-Dichloroethene	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

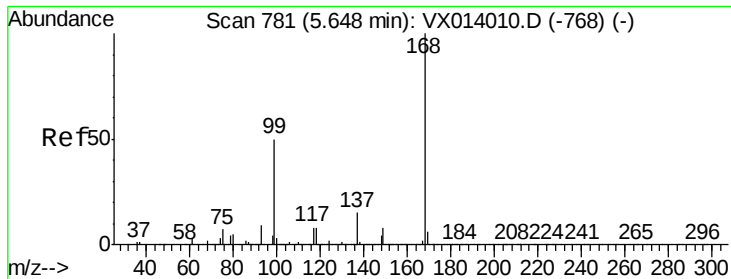
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX010320\
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 :

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



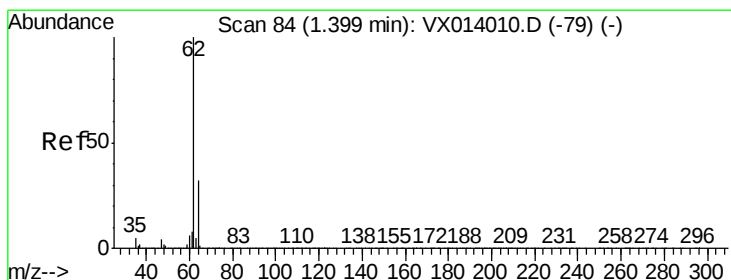
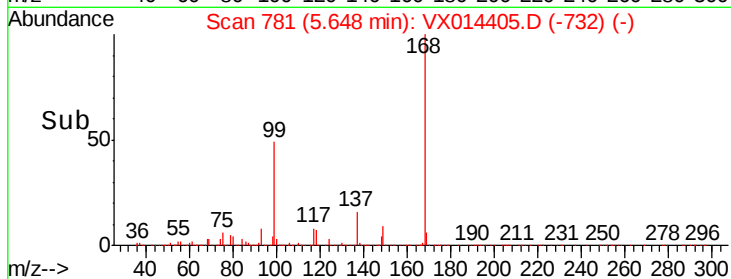
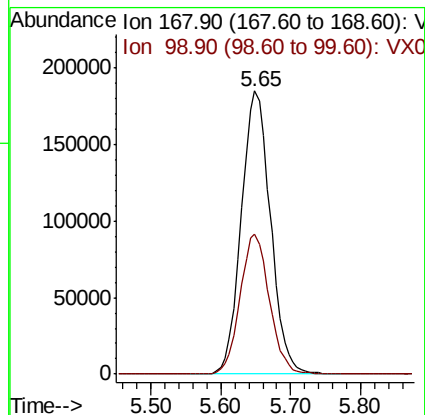
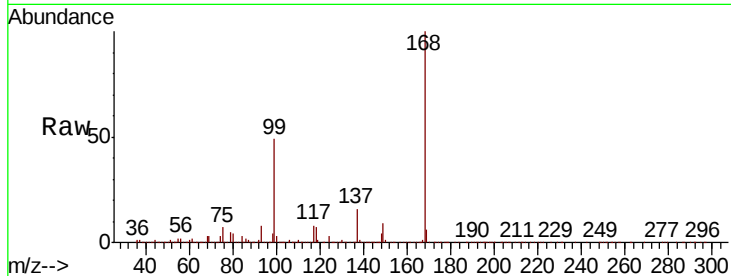


#1

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 :

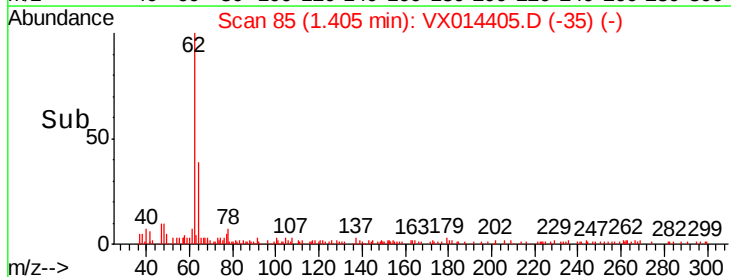
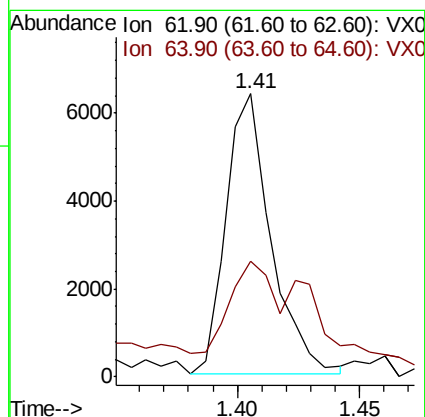
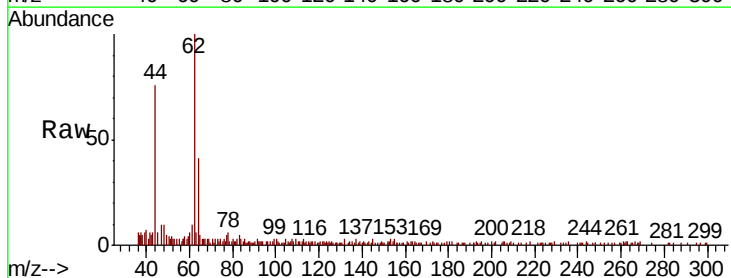
Tot Ion:168 Resp: 537158
 Ion Ratio Lower Upper
 168 100
 99 49.2 40.3 60.5

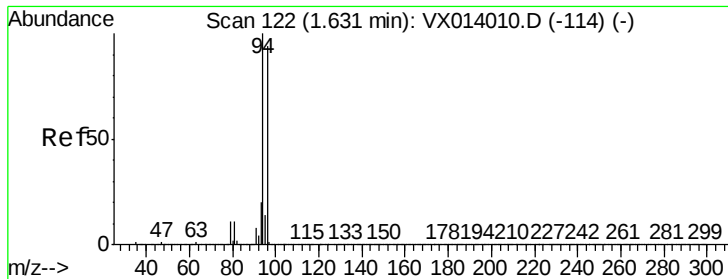


#4

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





#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

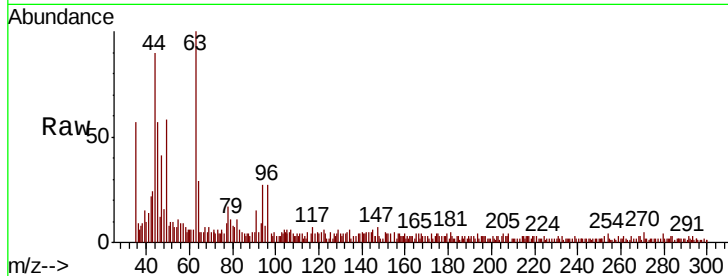
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 94 Resp: 2207

Ion Ratio Lower Upper

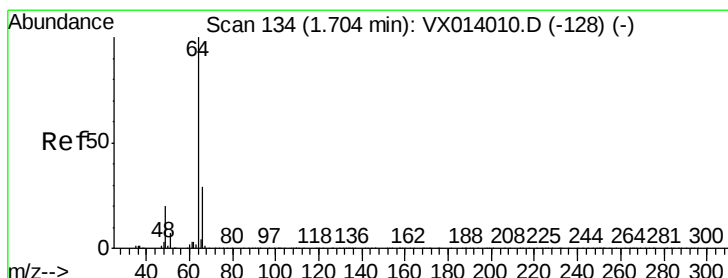
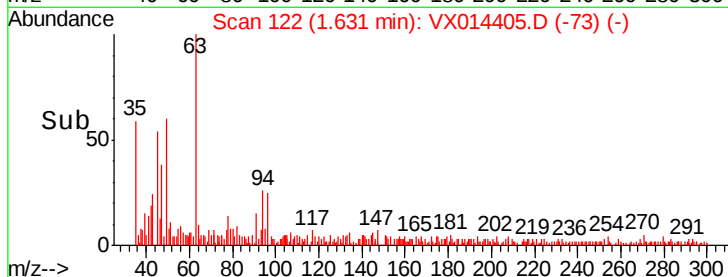
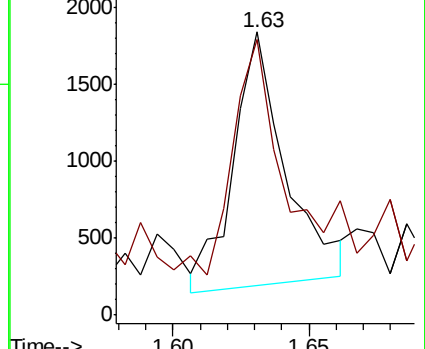
94 100

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



#6

Chloroethane

Concen: 2.332 ug/l

RT: 1.66 min Scan# 127

Delta R.T. -0.04 min

Lab File: VX014405.D

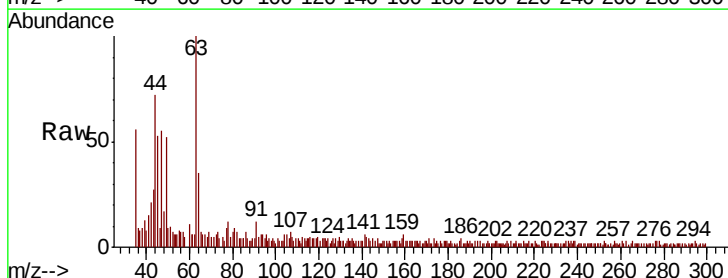
Acq: 03 Jan 2020 17:00

Tgt Ion: 64 Resp: 9795

Ion Ratio Lower Upper

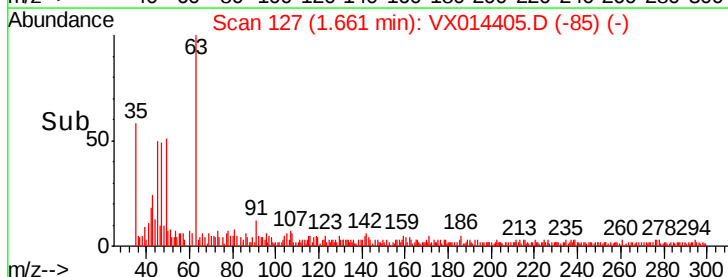
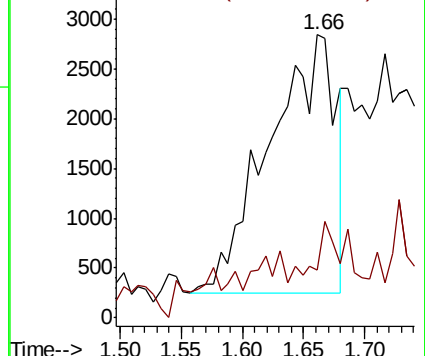
64 100

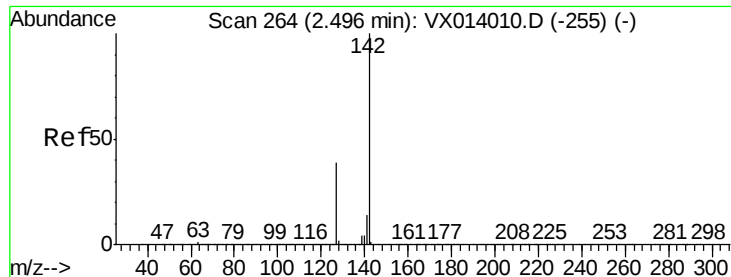
66 0.0 23.4 35.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#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 :

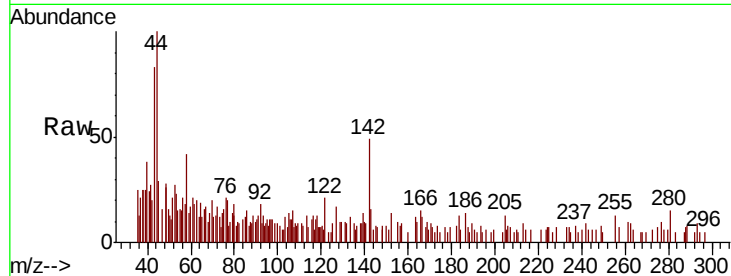
Tot Ion:142 Resp: 1054

Ion Ratio Lower Upper

142 100

127 0.0 31.6 47.4#

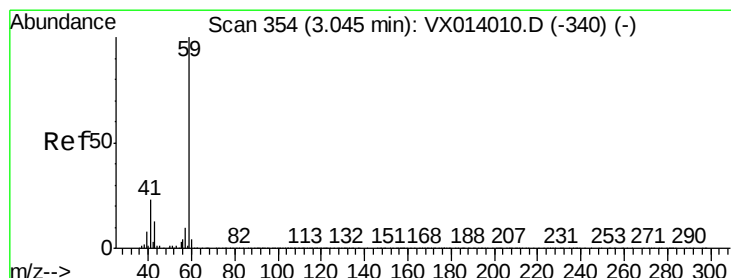
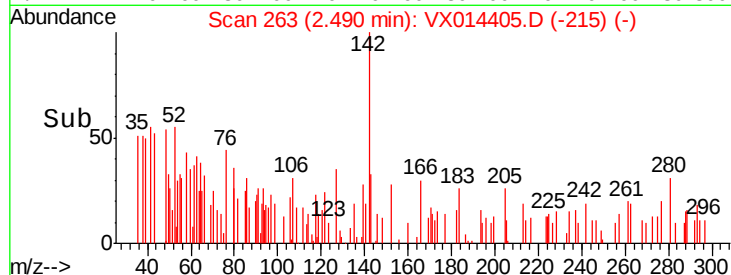
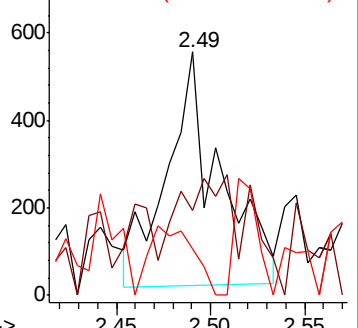
141 0.0 11.6 17.4#



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

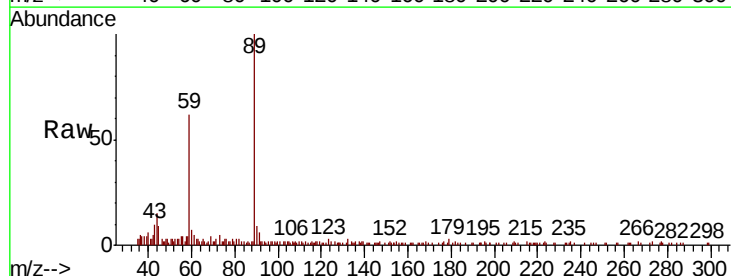
Acq: 03 Jan 2020 17:00

Tgt Ion: 59 Resp: 10376

Ion Ratio Lower Upper

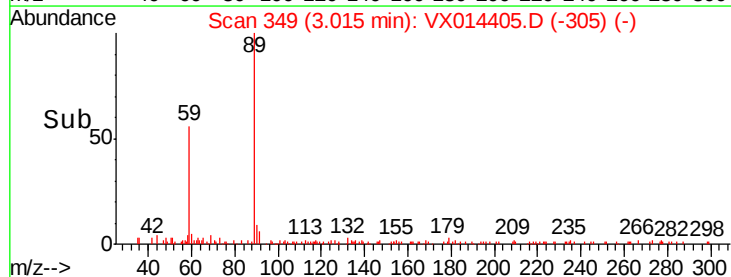
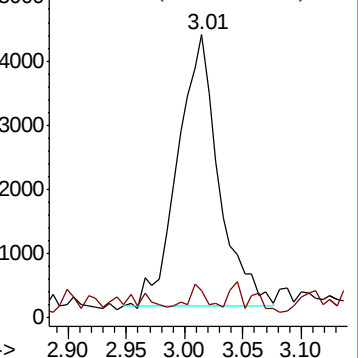
59 100

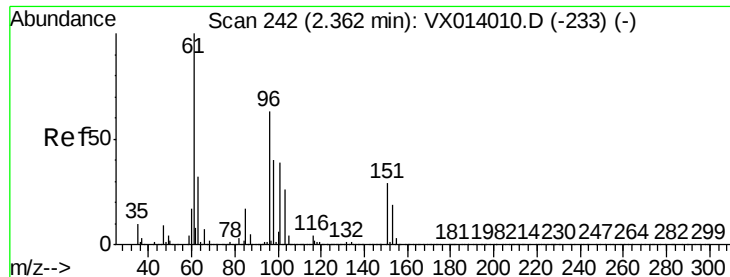
57 3.0 8.4 12.6#



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 :

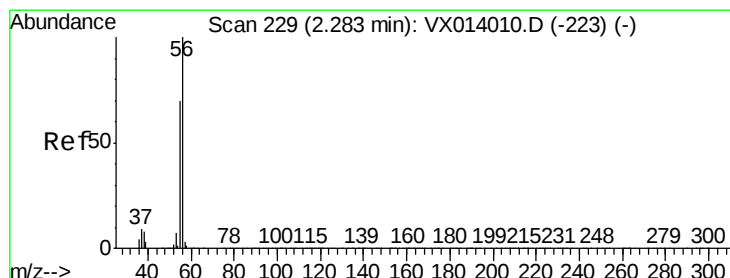
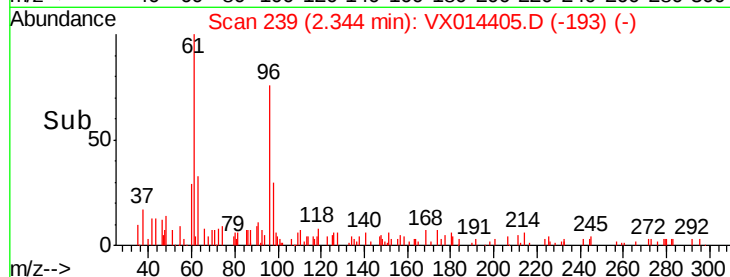
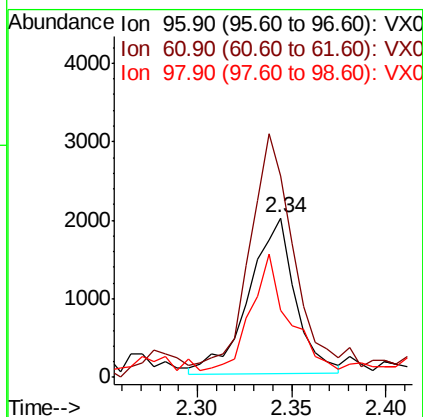
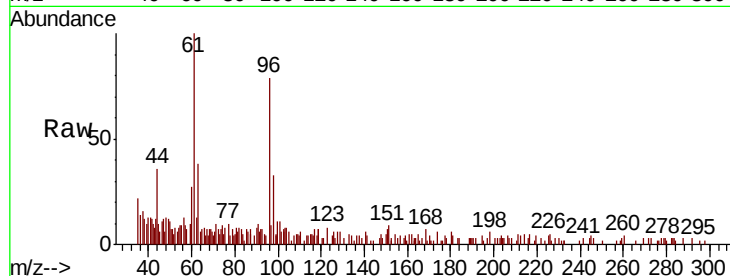
Tot Ion: 96 Resp: 3409

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

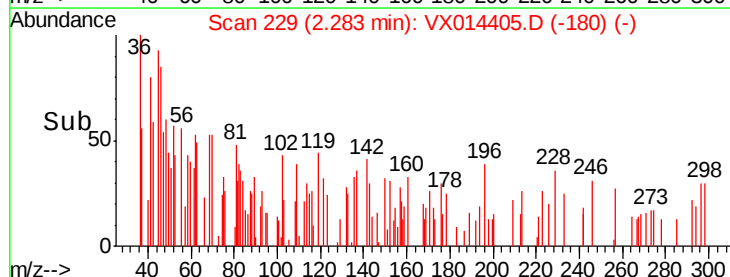
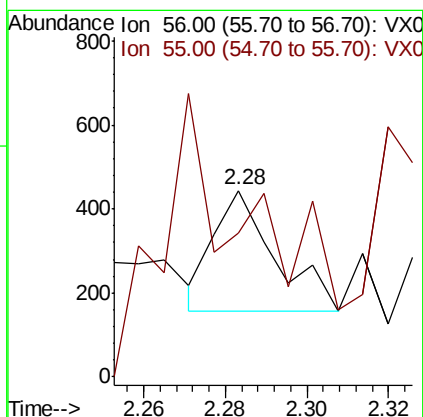
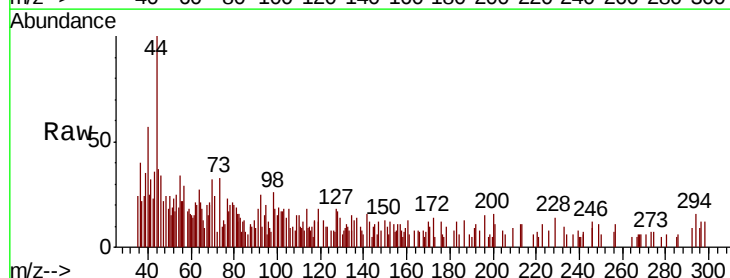
Acq: 03 Jan 2020 17:00

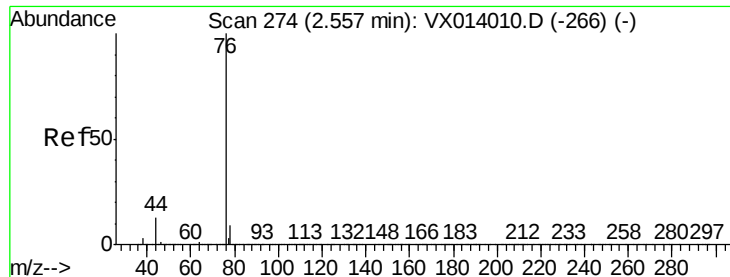
Tgt Ion: 56 Resp: 299

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

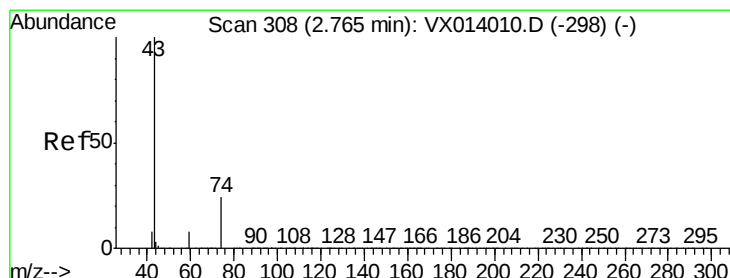
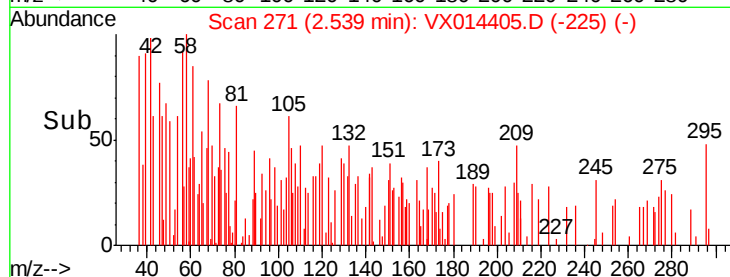
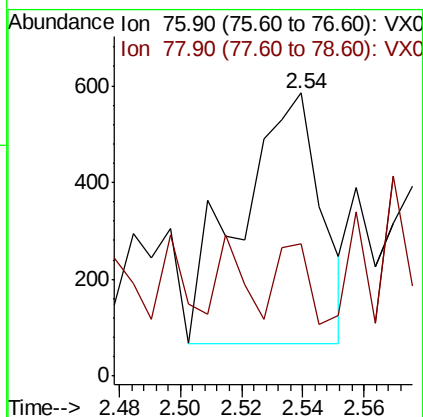
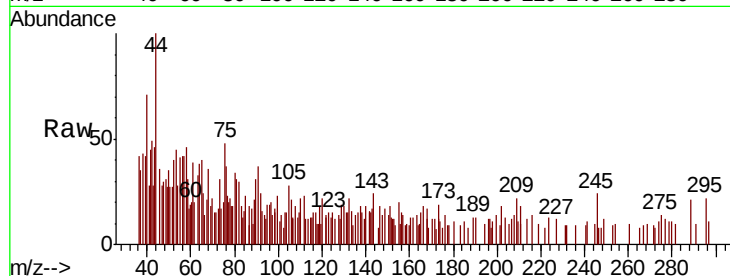
ClientSampleId :

Tot Ion: 76 Resp: 954

Ion Ratio Lower Upper

76 100

78 41.3 7.2 10.8#



#18

Methyl Acetate

Concen: 0.216 ug/l

RT: 2.73 min Scan# 302

Delta R.T. -0.04 min

Lab File: VX014405.D

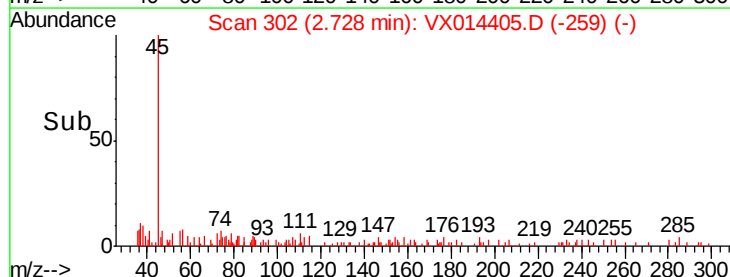
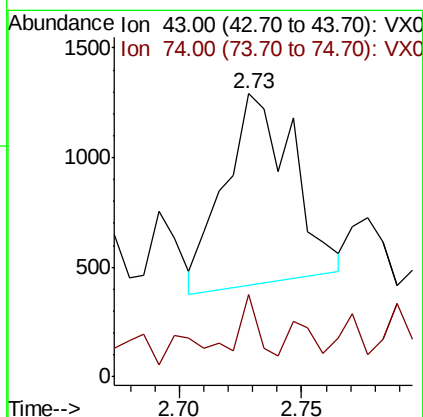
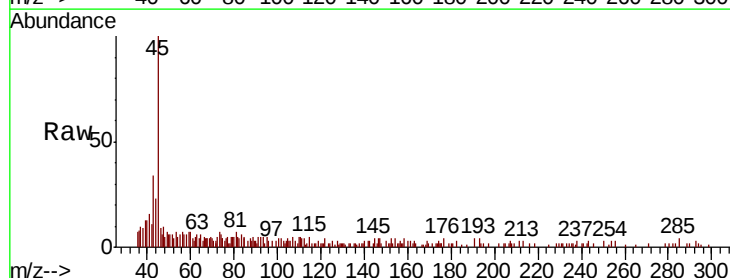
Acq: 03 Jan 2020 17:00

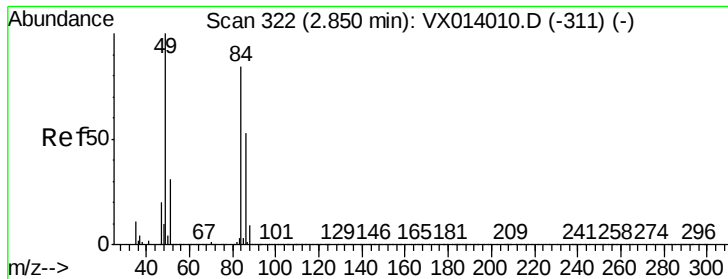
Tgt Ion: 43 Resp: 1691

Ion Ratio Lower Upper

43 100

74 11.1 19.5 29.3#

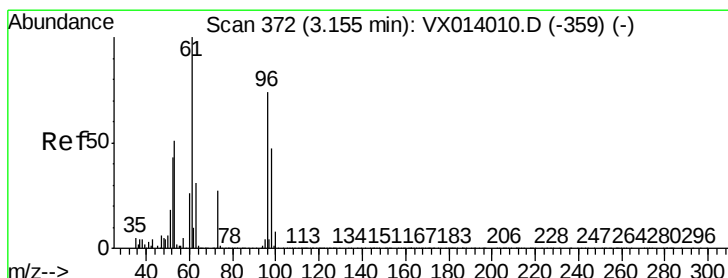
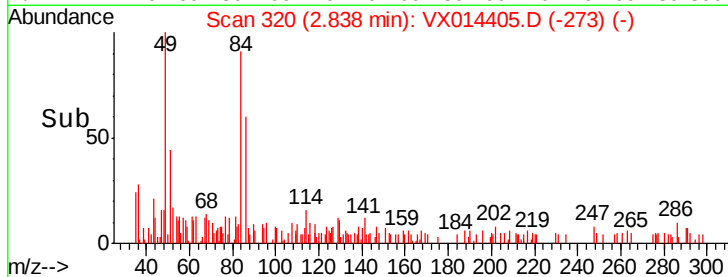
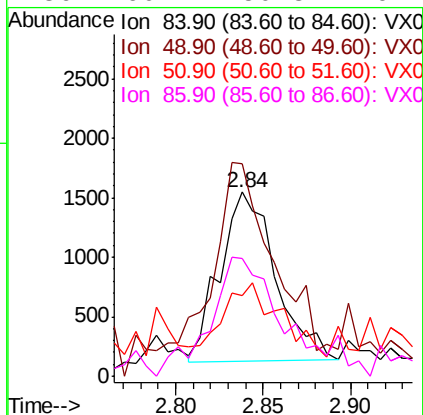
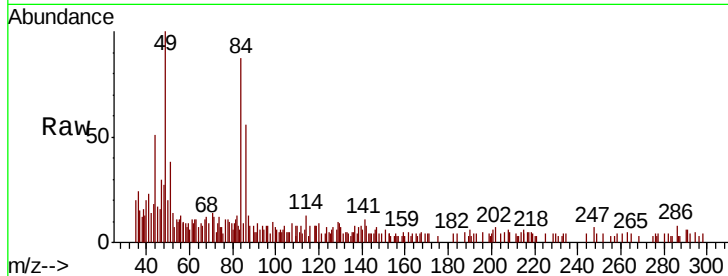




#20
Methvlene Chloride
Concen: 0.511 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.01 min
Lab File: VX014405.D
Acq: 03 Jan 2020 17:00

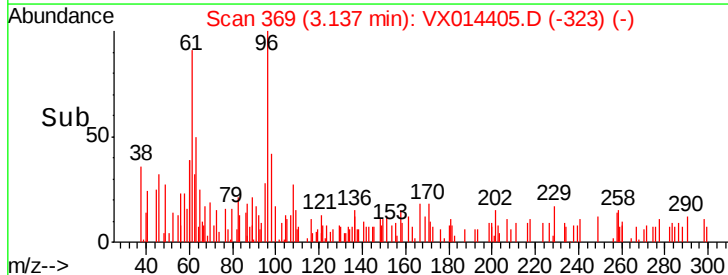
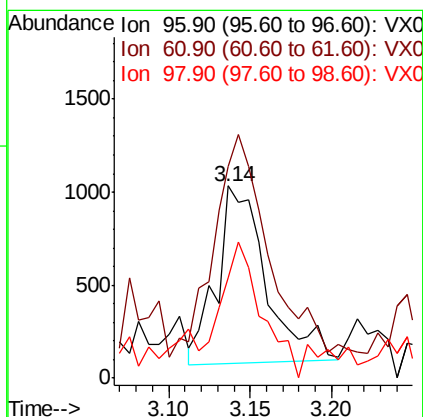
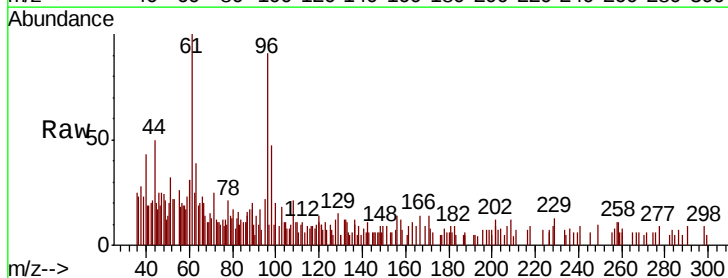
Instrument :
MSVOA_X
ClientSampled :

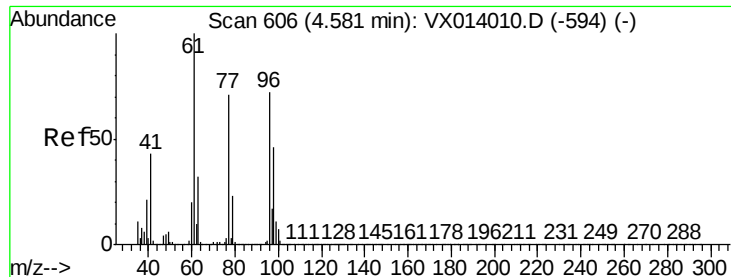
Tot Ion:	84	Resp:	3182
Ion	Ratio	Lower	Upper
84	100		
49	110.9	95.8	143.6
51	30.4	29.8	44.8
86	60.1	50.8	76.2



#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



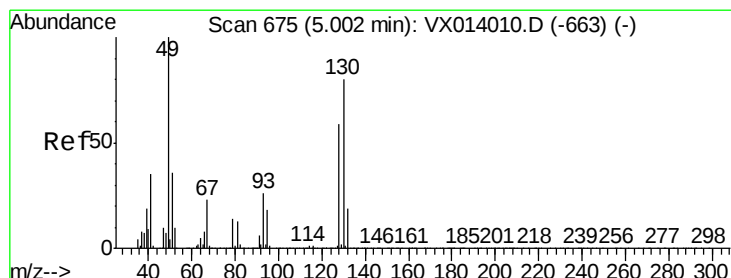
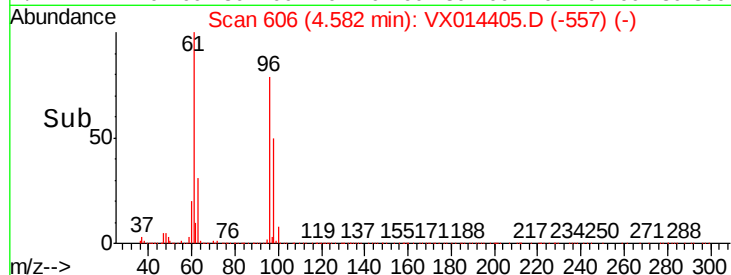
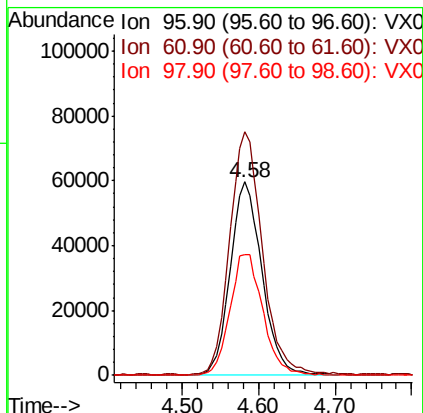
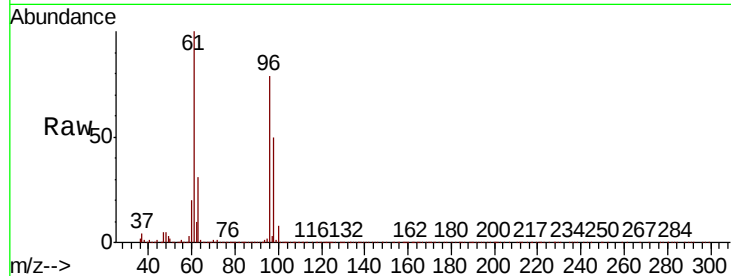


#27

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
Acq: 03 Jan 2020 17:00

Instrument :
MSVOA_X
ClientSampled :

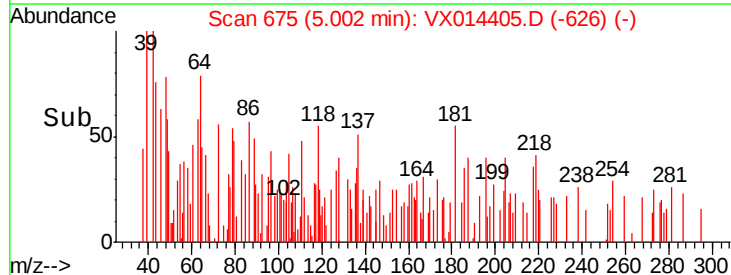
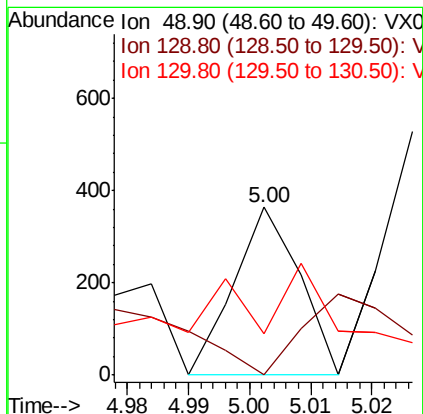
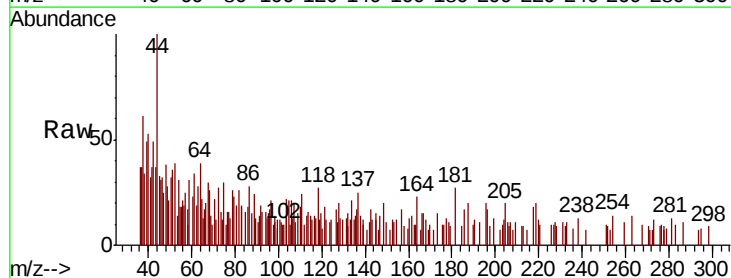
Tot Ion	Ratio	Lower	Upper
96	100		
61	130.0	0.0	288.4
98	64.3	0.0	129.6

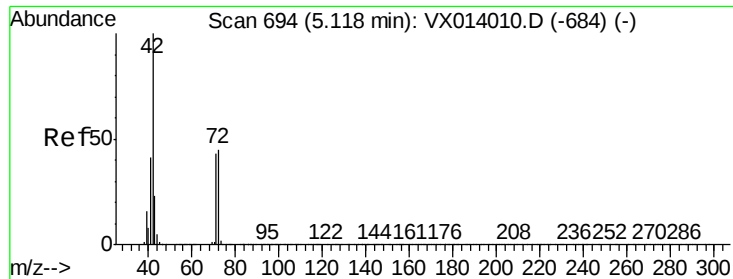


#28

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	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.0
130	41.6	64.6	97.0#

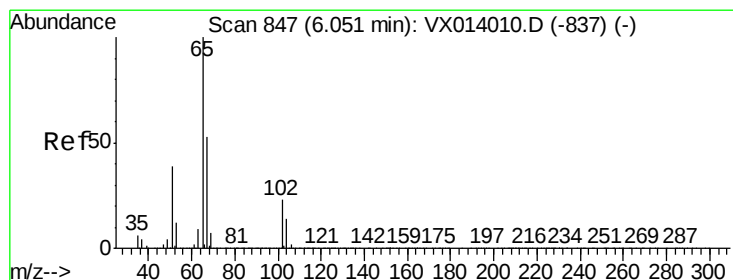
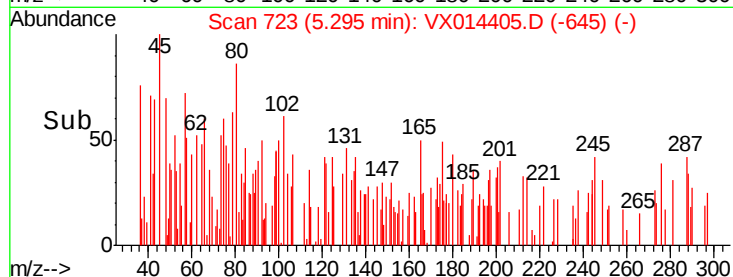
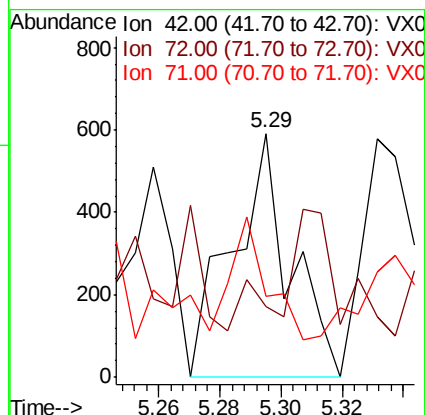
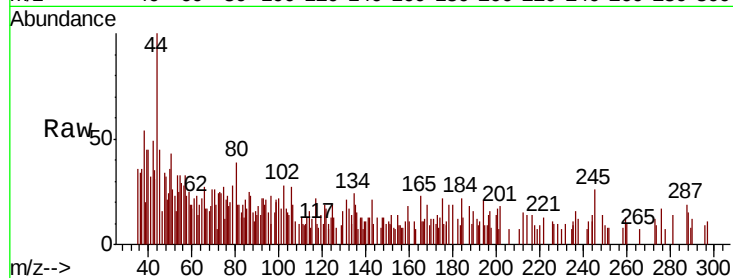




#29
Tetrahydrofuran
Concen: 0.285 ug/l
RT: 5.29 min Scan# 723
Delta R.T. 0.18 min
Lab File: VX014405.D
Acq: 03 Jan 2020 17:00

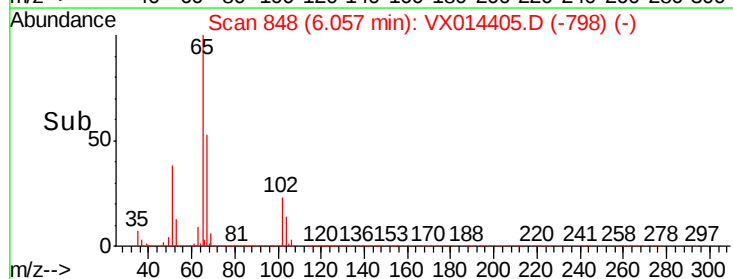
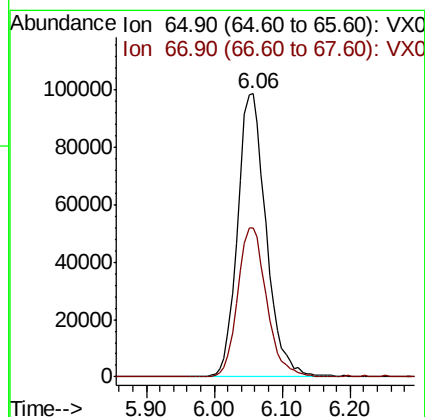
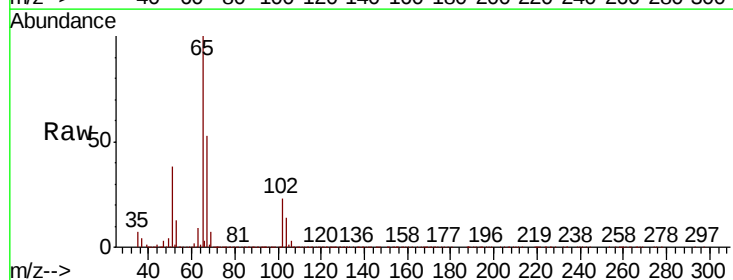
Instrument :
MSVOA_X
ClientSampleId :

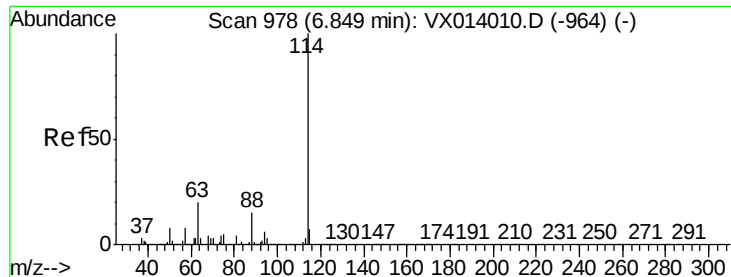
Tot Ion: 42 Resp: 778
Ion Ratio Lower Upper
42 100
72 51.2 35.8 53.8
71 35.1 33.6 50.4



#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

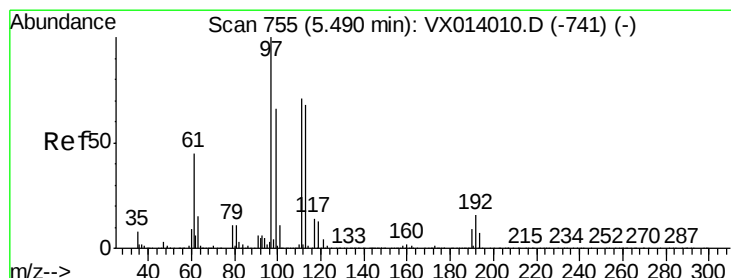
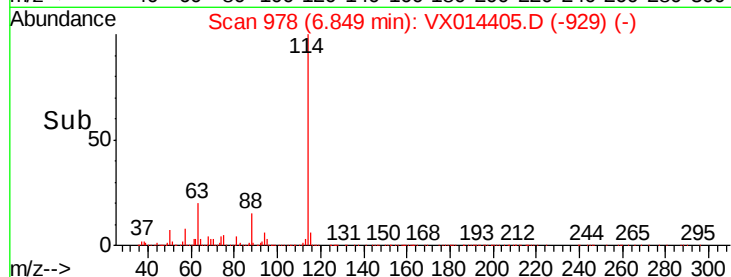
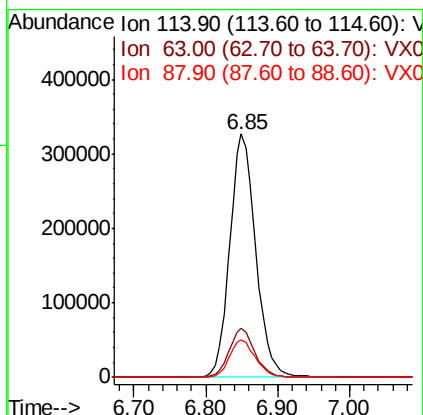
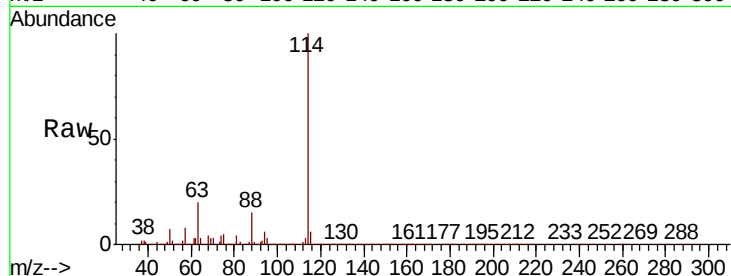




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX014405.D
Acq: 03 Jan 2020 17:00

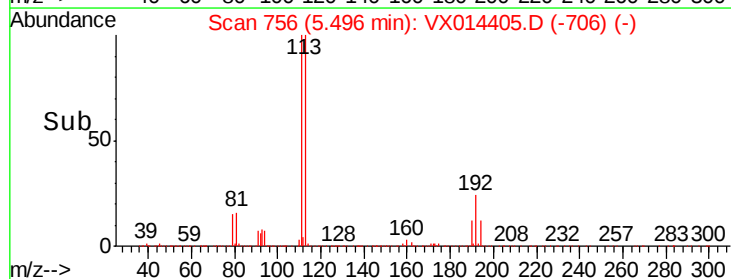
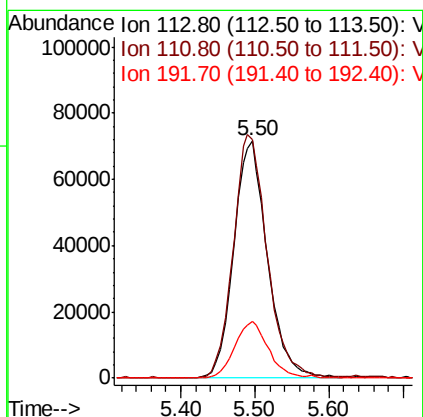
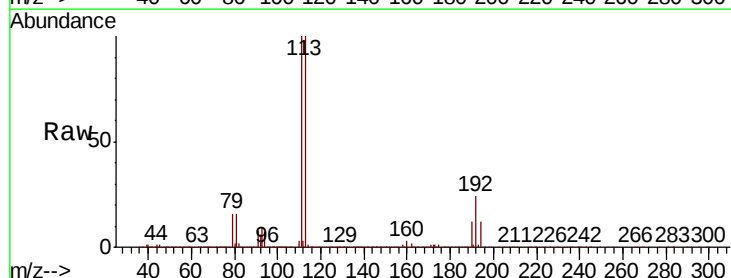
Instrument :
MSVOA_X
ClientSampleId :

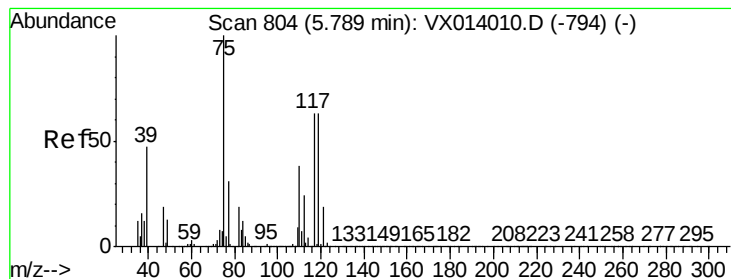
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.8
88	15.3	0.0	30.4



#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	Ratio	Lower	Upper
113	100		
111	103.4	82.0	123.0
192	24.1	19.3	28.9





#36

1,1-Dichloropropene

Concen: 4.836 ug/l

RT: 5.65 min Scan# 781

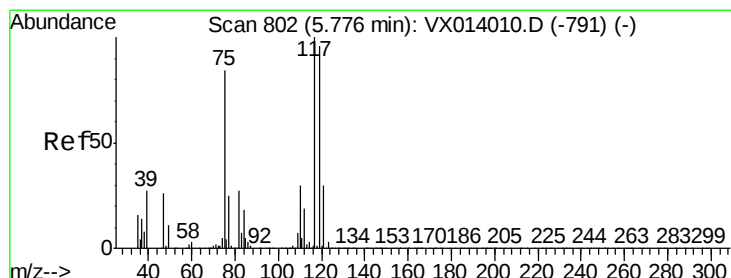
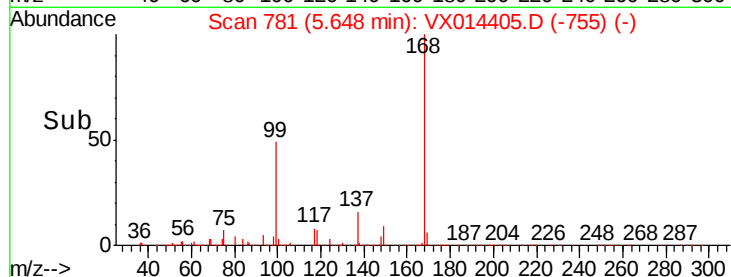
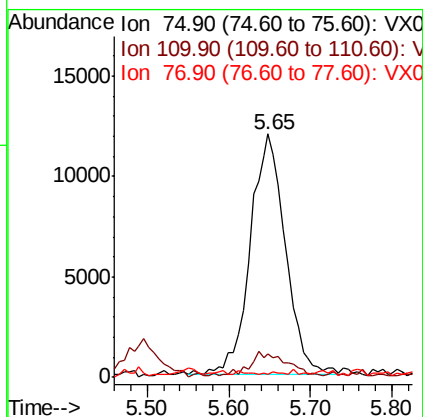
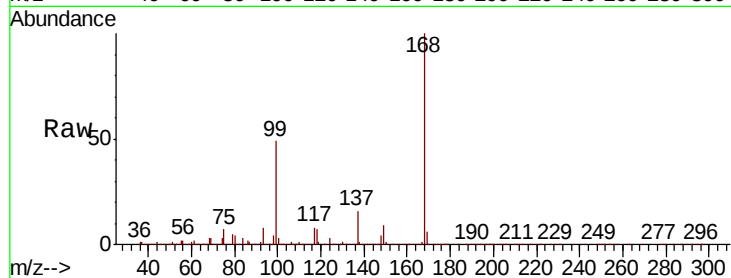
Delta R.T. -0.14 min

Lab File: VX014405.D

Acq: 03 Jan 2020 17:00

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	75	Resp:	36222
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

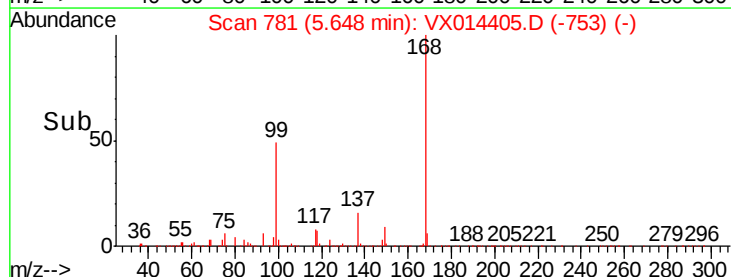
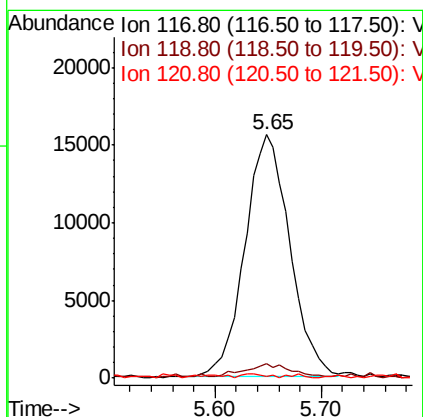
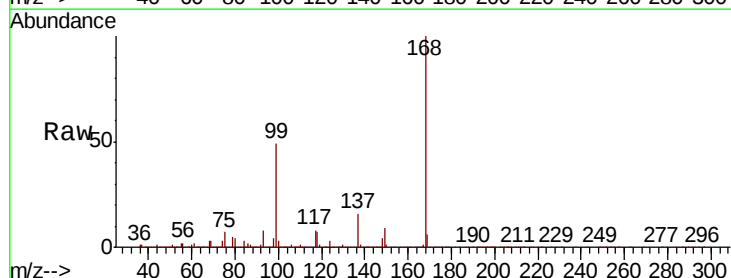
RT: 5.65 min Scan# 781

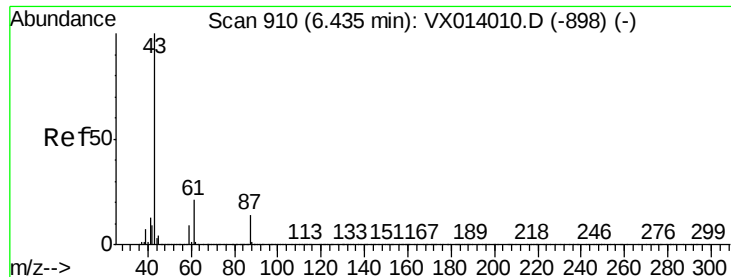
Delta R.T. -0.13 min

Lab File: VX014405.D

Acq: 03 Jan 2020 17:00

Tgt Ion:	117	Resp:	46123
Ion	Ratio	Lower	Upper
117	100		
119	5.3	76.2	114.4#
121	0.2	23.6	35.4#



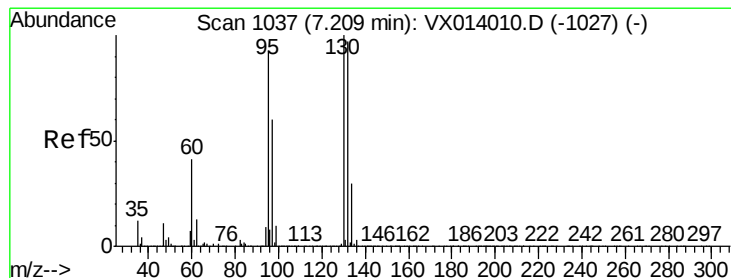
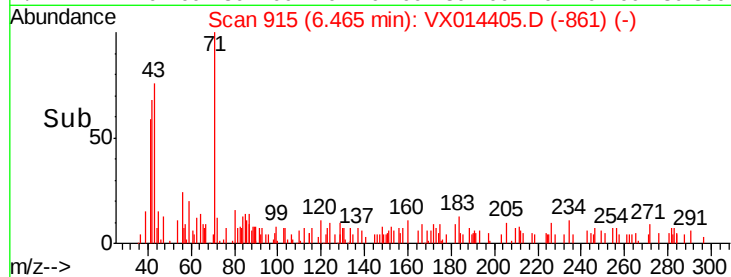
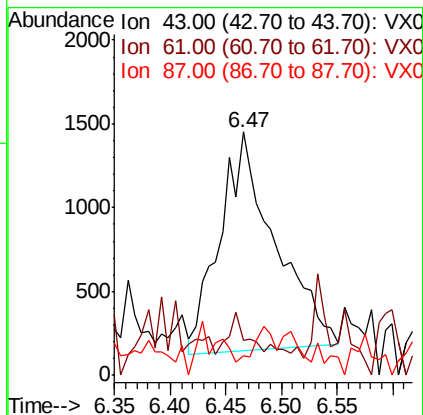
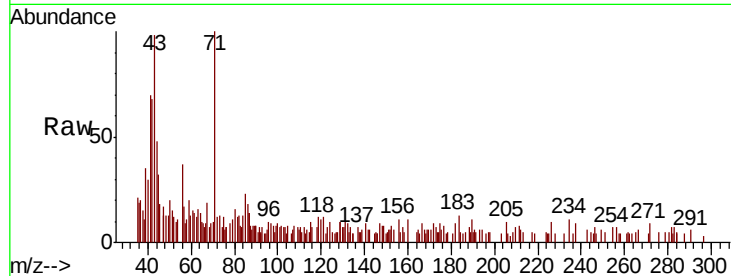


#43

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 :

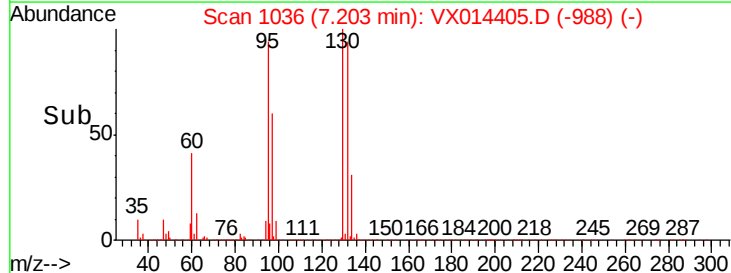
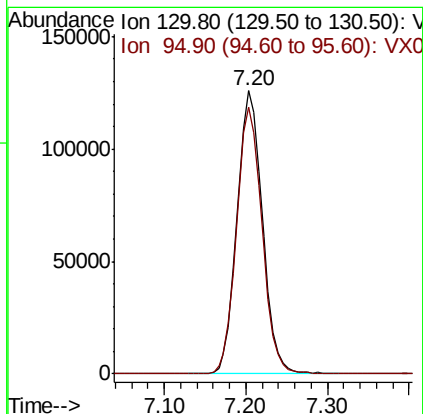
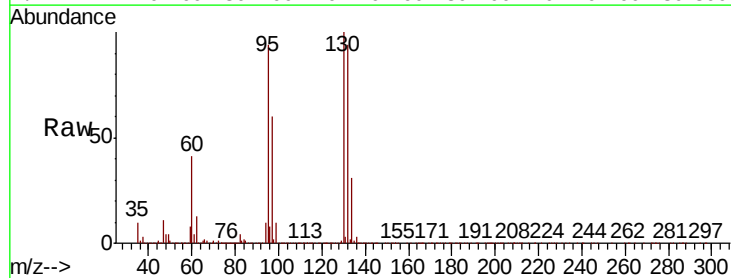
Tot Ion	43	Resp	4511
Ion Ratio	100		
Lower	16.4		
Upper	24.6		

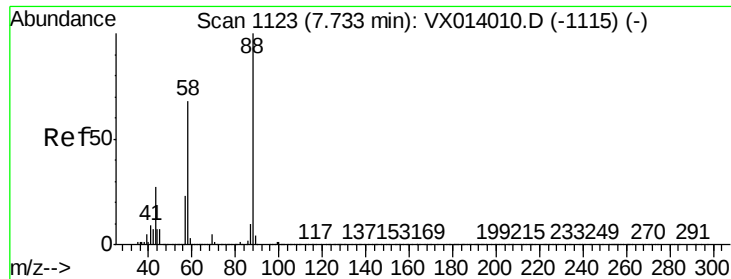


#44

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	100		
Lower	0.0		
Upper	185.6		





#49

1,4-Dioxane

Concen: 1.715 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

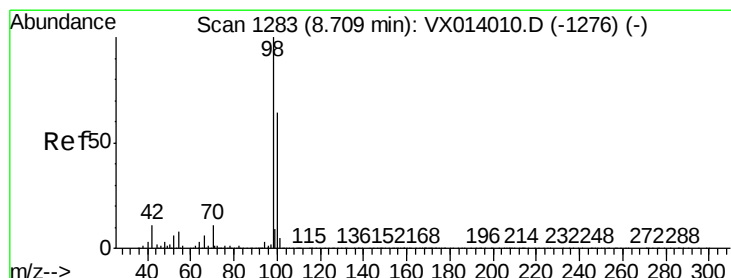
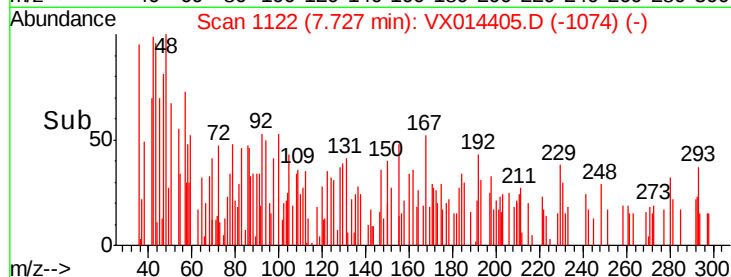
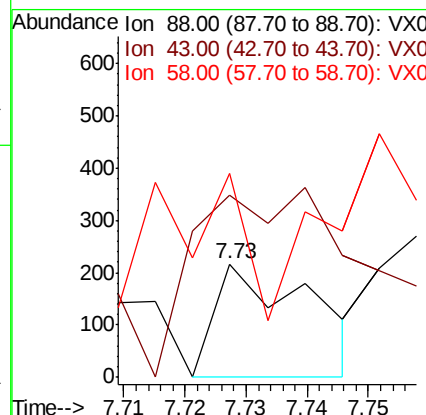
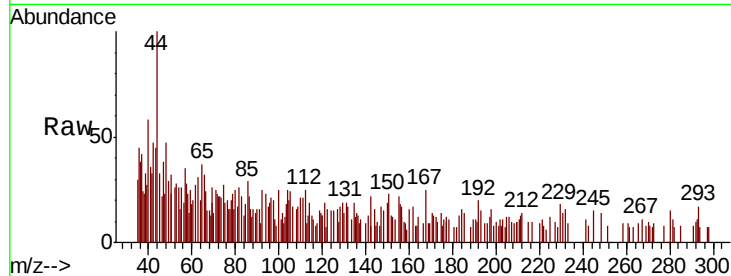
Lab File: VX014405.D

Acq: 03 Jan 2020 17:00

Instrument :
MSVOA_X
ClientSampleId :

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

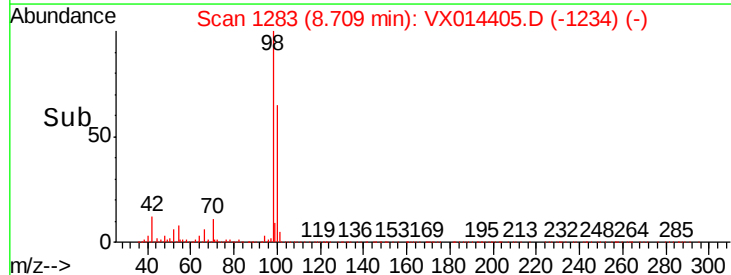
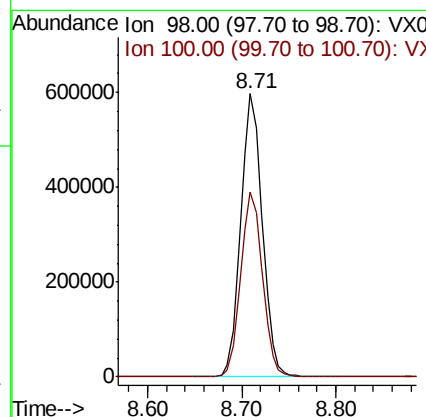
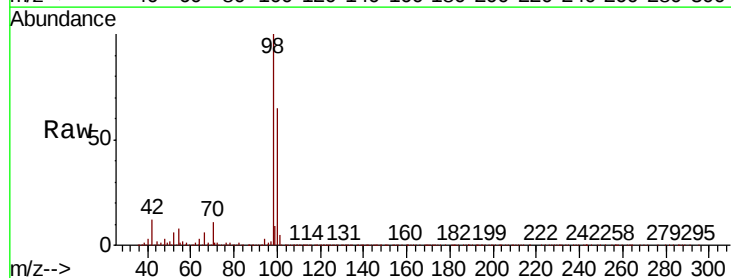
Delta R.T. 0.00 min

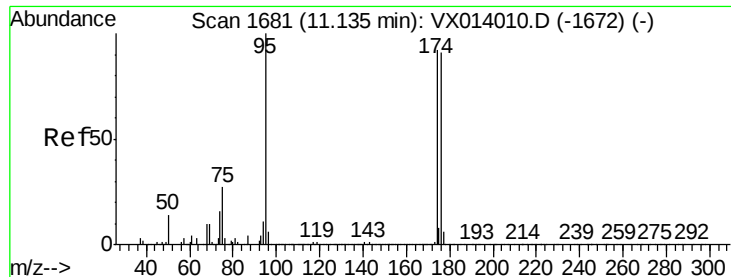
Lab File: VX014405.D

Acq: 03 Jan 2020 17:00

Tgt Ion: 98 Resp: 952644

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.9	79.3

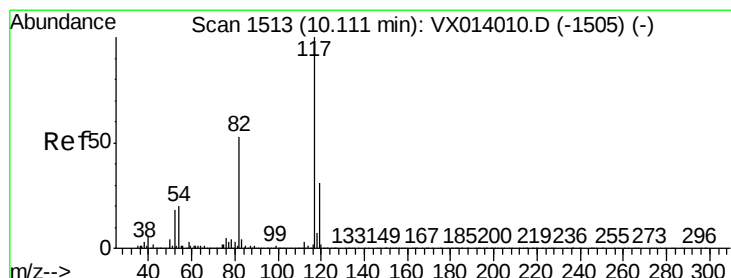
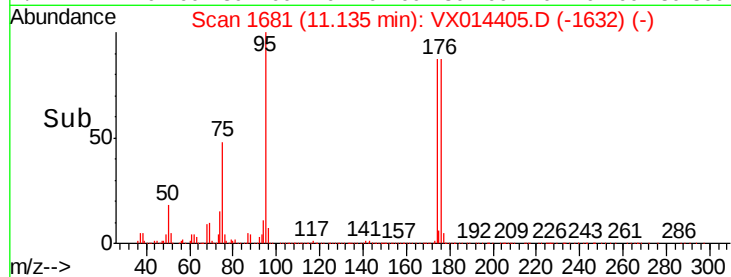
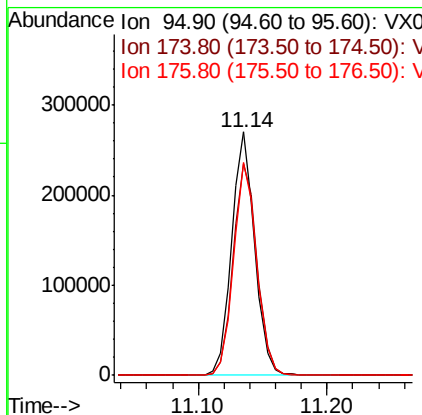
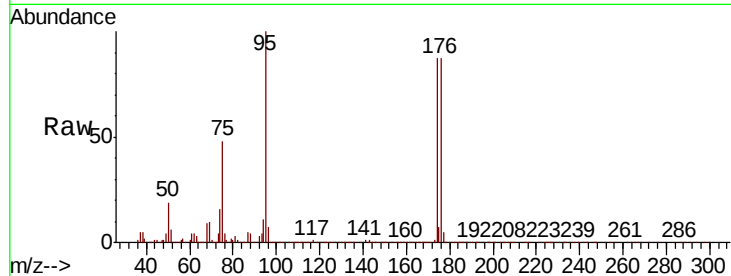




#62
4-Bromofluorobenzene
Concen: 47.718 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX014405.D
Acq: 03 Jan 2020 17:00

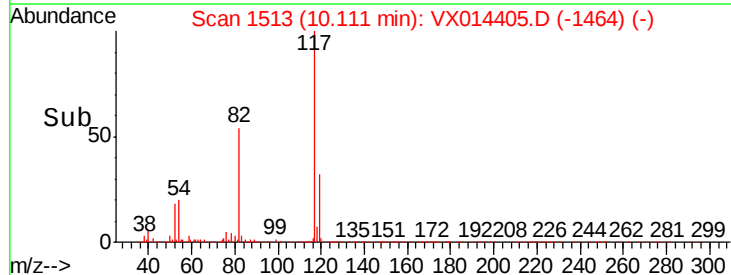
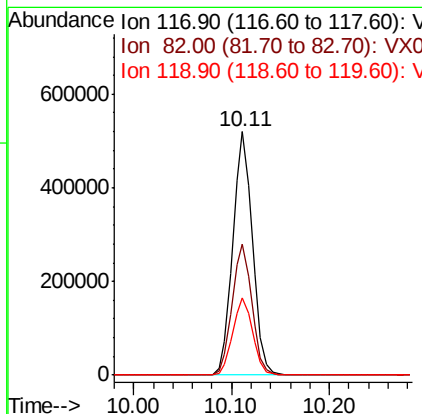
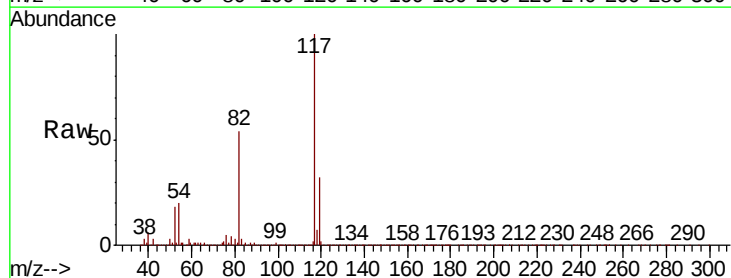
Instrument :
MSVOA_X
ClientSampleId :

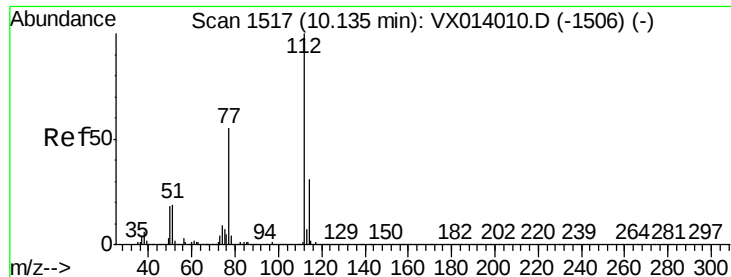
Tot Ion	Ratio	Lower	Upper
95	100		
174	90.5	0.0	175.8
176	88.2	0.0	173.0



#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

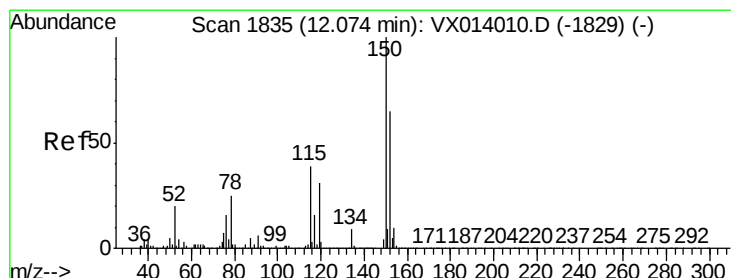
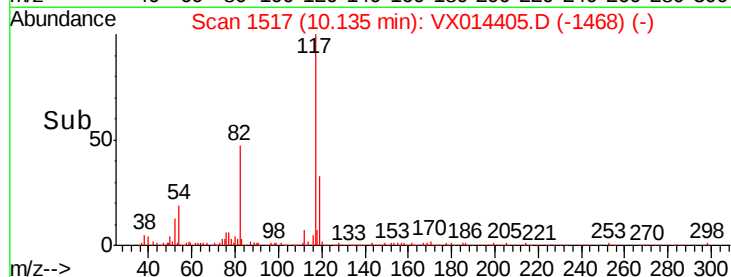
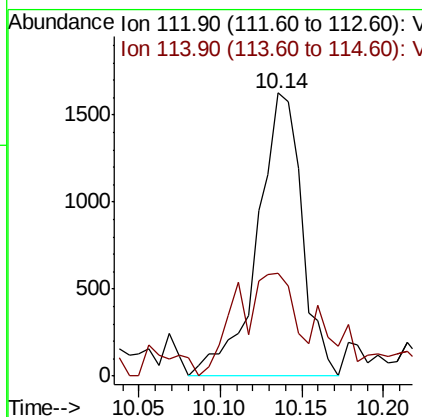
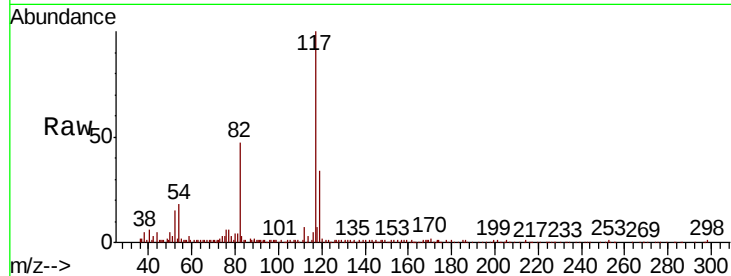




#65
Chlorobenzene
Concen: 0.200 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX014405.D
Acq: 03 Jan 2020 17:00

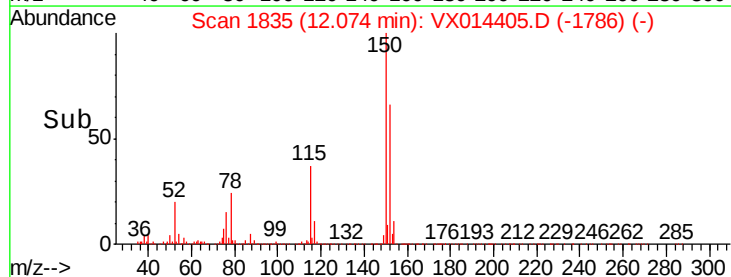
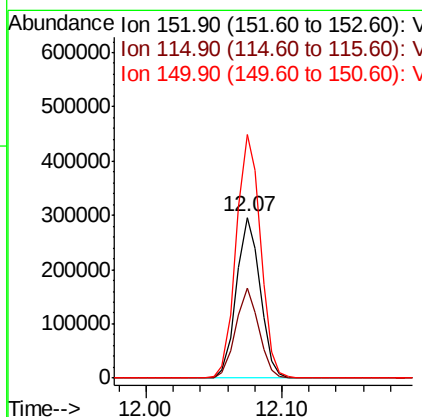
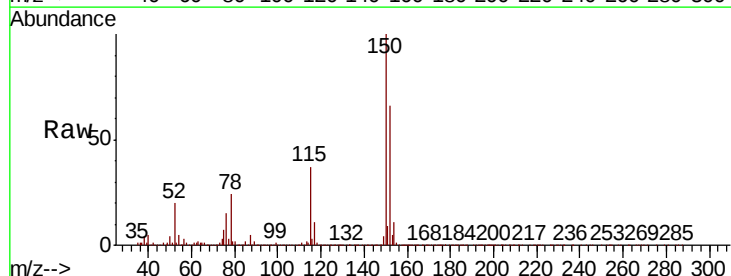
Instrument :
MSVOA_X
ClientSampled :

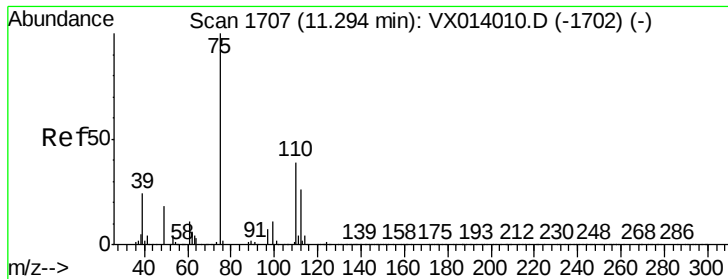
Tot Ion:112 Resp: 3078
Ion Ratio Lower Upper
112 100
114 30.0 24.9 37.3



#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





#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

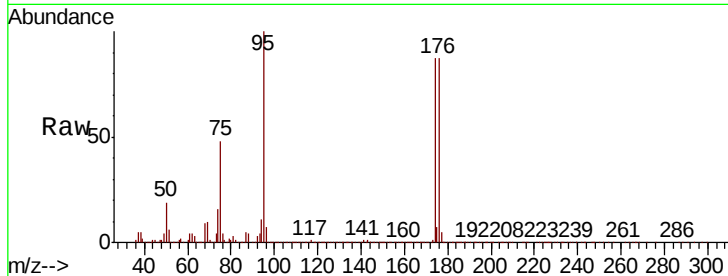
ClientSampleId :

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

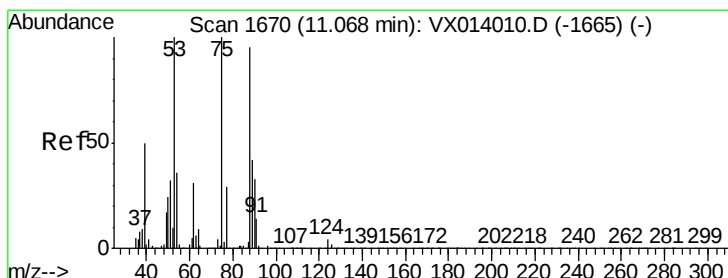
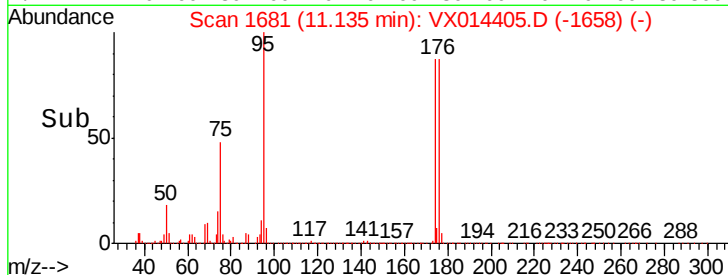
150000

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

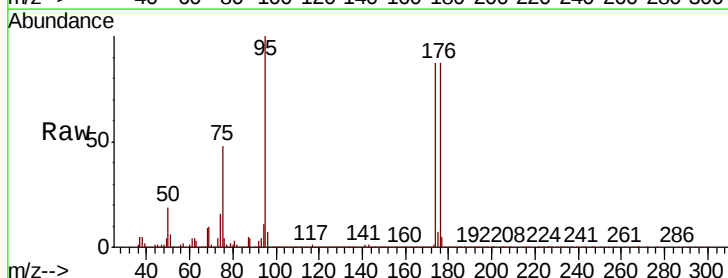
Tgt Ion: 75 Resp: 163962

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

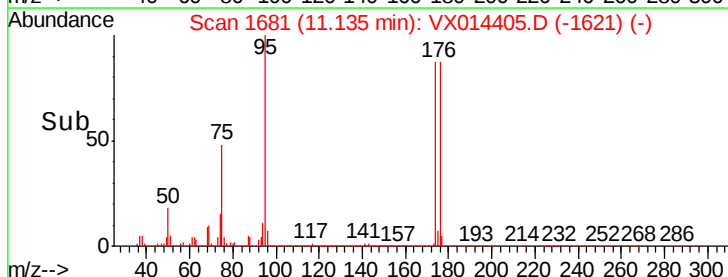
150000

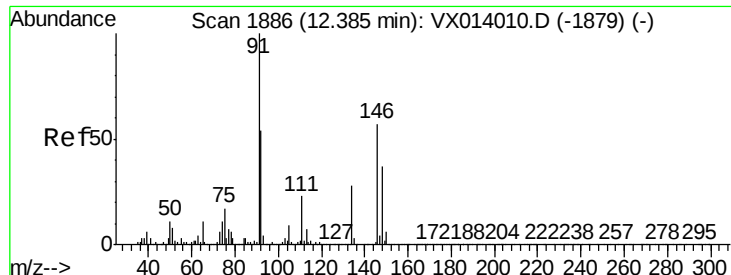
100000

50000

0

Time-->

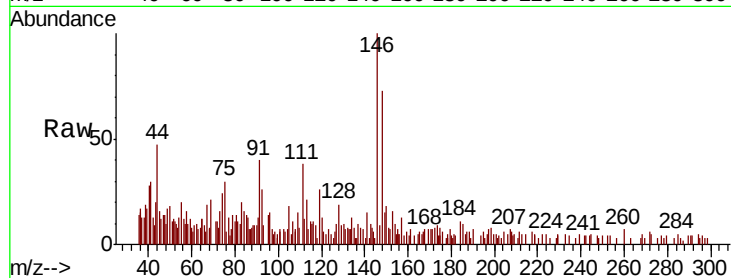




#91
 1,2-Dichlorobenzene
 Concen: 0.239 ug/l
 RT: 12.39 min Scan# 1887
 Delta R.T. 0.01 min
 Lab File: VX014405.D
 Acq: 03 Jan 2020 17:00

Instrument :
 MSVOA_X
 ClientSampleId :

Tot 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

