

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111319\
 Data File : VX013405.D
 Acq On : 13 Nov 2019 14:21
 Operator : JC/SP
 Sample : K5802-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0676

Quant Time: Nov 14 04:35:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	779695	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1234544	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1078093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	493770	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	444257	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	
35) Dibromofluoromethane	5.49	113	370821	47.89	ug/l	0.00
Spiked Amount			Recovery	=	95.78%	
50) Toluene-d8	8.71	98	1451645	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	
62) 4-Bromofluorobenzene	11.14	95	486004	46.13	ug/l	0.00
Spiked Amount			Recovery	=	92.26%	

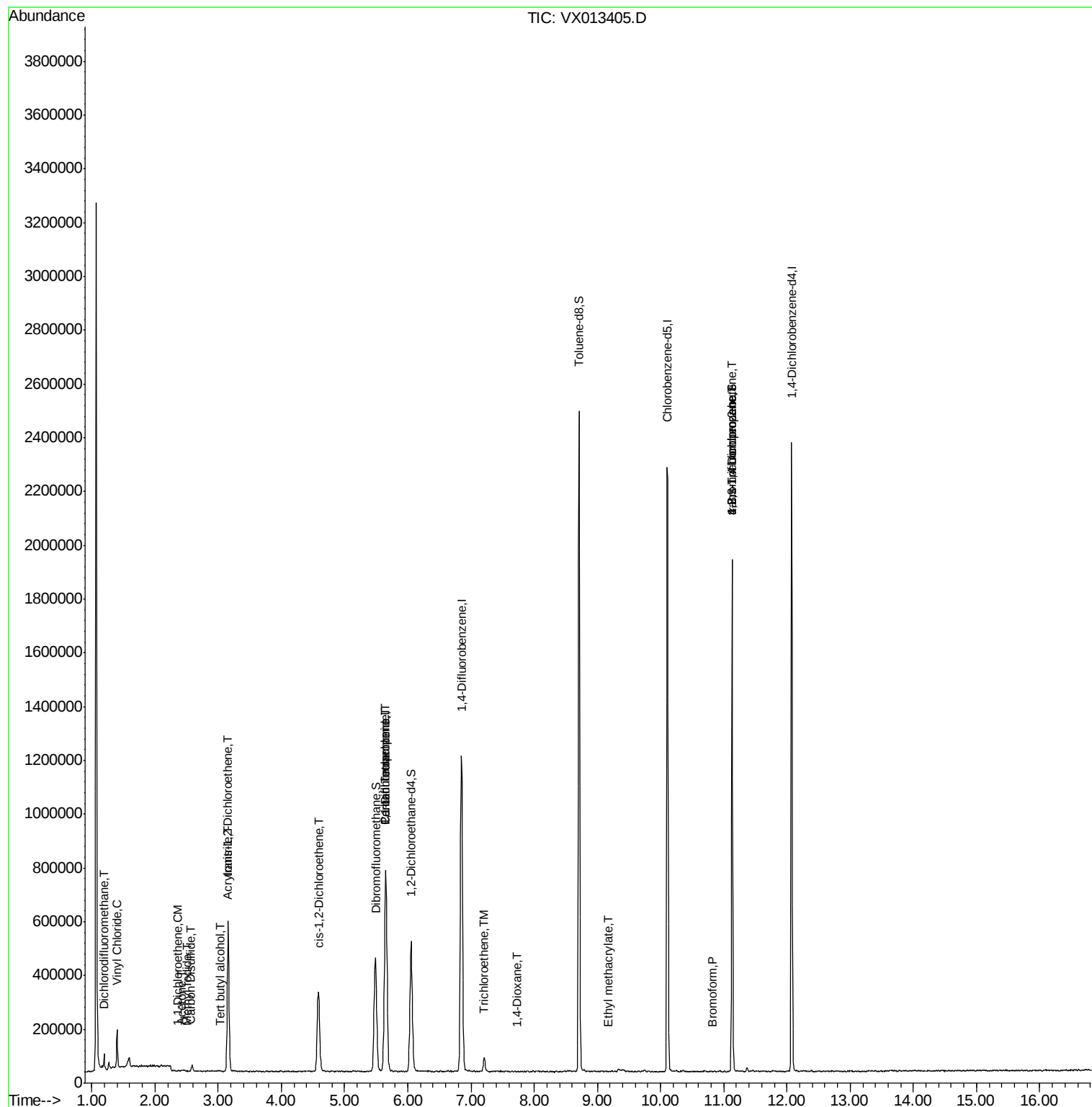
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	31046	3.456	ug/l	96
4) Vinyl Chloride	1.40	62	85220	7.684	ug/l	100
6) Chloroethane	1.70	64	709	Below Cal	#	44
10) Methyl Iodide	2.50	142	2359	0.261	ug/l #	69
11) Tert butyl alcohol	3.03	59	2922	1.200	ug/l	97
12) 1,1-Dichloroethene	2.36	96	1480	0.207	ug/l #	45
15) Acrylonitrile	3.14	53	1056	0.232	ug/l #	66
16) Acetone	2.42	43	7740	1.680	ug/l #	63
17) Carbon Disulfide	2.56	76	4043	0.211	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	238063	30.571	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	193240	22.152	ug/l	89
36) 1,1-Dichloropropene	5.65	75	52556	4.962	ug/l #	51
38) Carbon Tetrachloride	5.65	117	66677	6.438	ug/l #	16
44) Trichloroethene	7.21	130	22616	2.490	ug/l	99
49) 1,4-Dioxane	7.73	88	603	2.588	ug/l #	56
56) Ethyl methacrylate	9.18	69	292	1.583	ug/l #	22
71) Bromoform	10.83	173	524	3.269	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	234229	23.355	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	234229	60.115	ug/l #	9

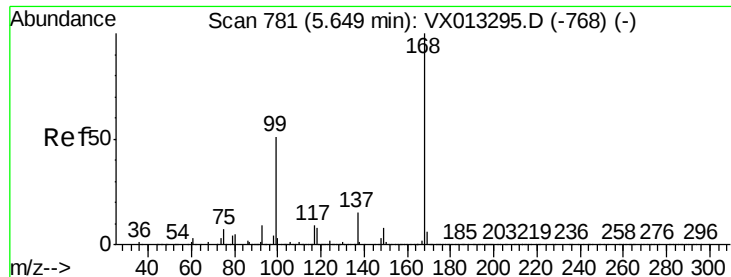
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 02 07:06:38 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013405.D

Acq: 13 Nov 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

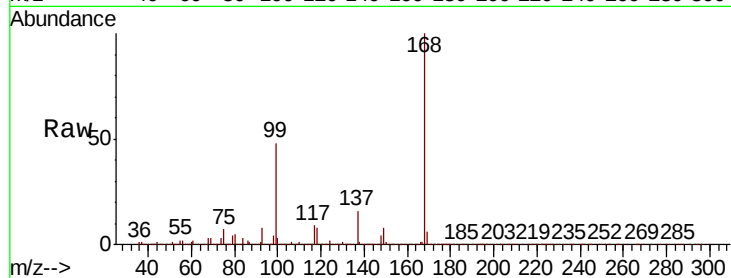
S32-0676

Tot Ion:168 Resp: 779695

Ion Ratio Lower Upper

168 100

99 48.1 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

300000

250000

200000

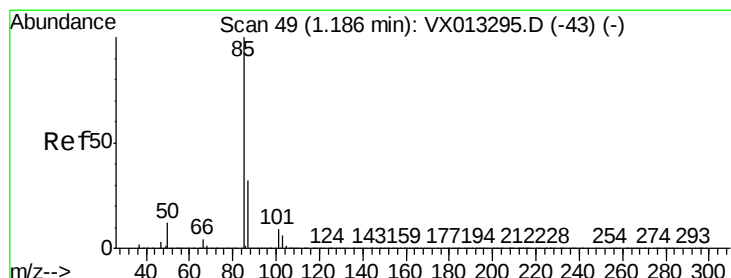
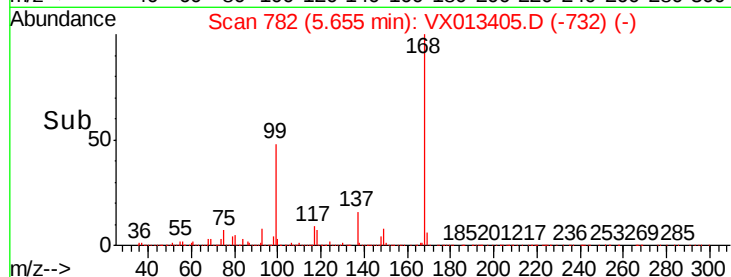
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 3.456 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX013405.D

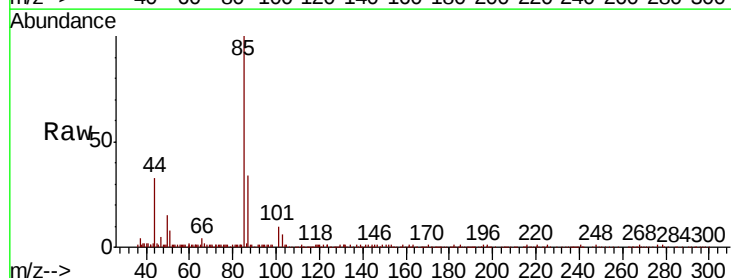
Acq: 13 Nov 2019 14:21

Tgt Ion: 85 Resp: 31046

Ion Ratio Lower Upper

85 100

87 34.0 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

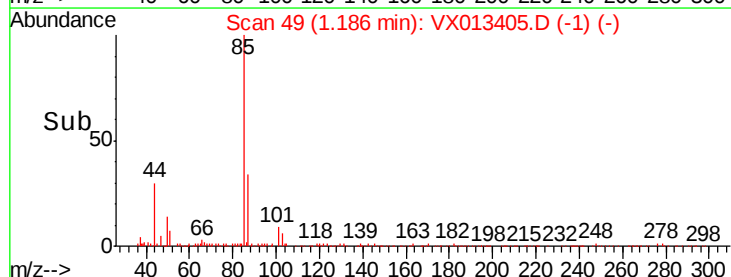
30000

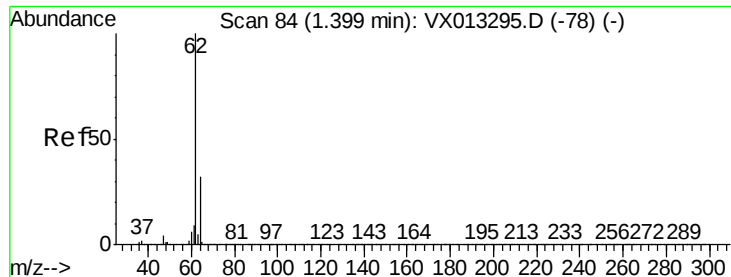
20000

10000

0

Time-->





#4

Vinyl Chloride

Concen: 7.684 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013405.D

Acq: 13 Nov 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

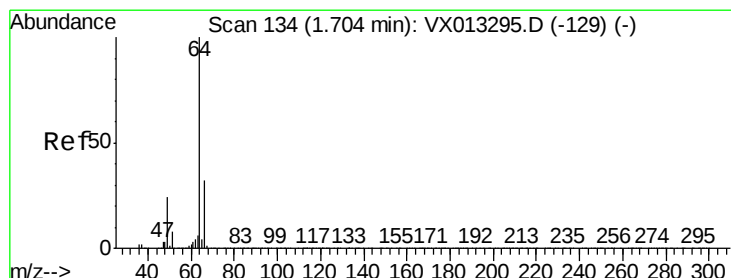
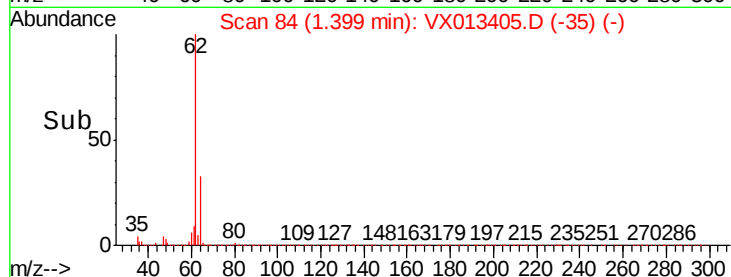
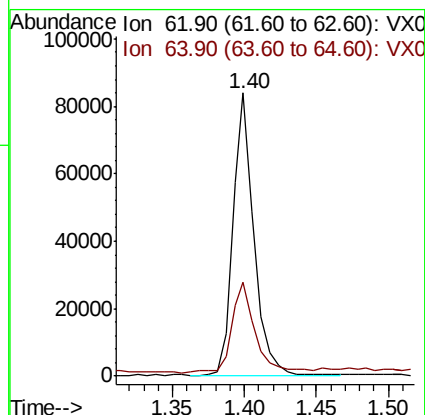
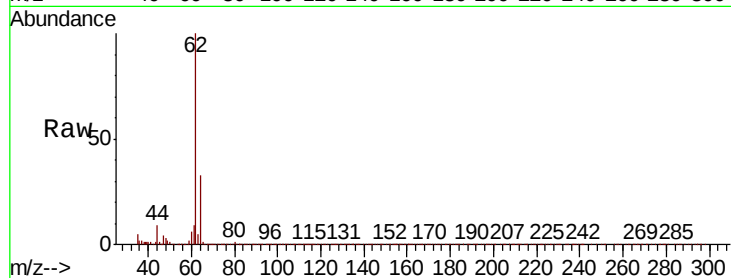
S32-0676

Tot Ion: 62 Resp: 85220

Ion Ratio Lower Upper

62 100

64 32.1 25.6 38.4



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX013405.D

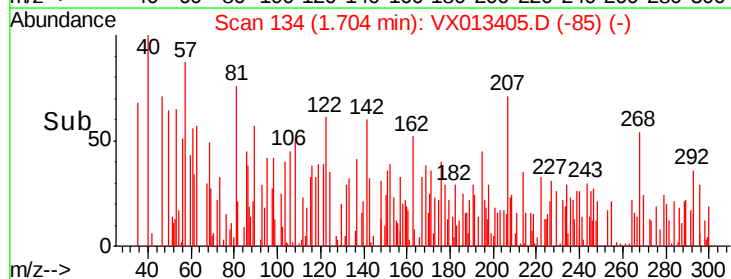
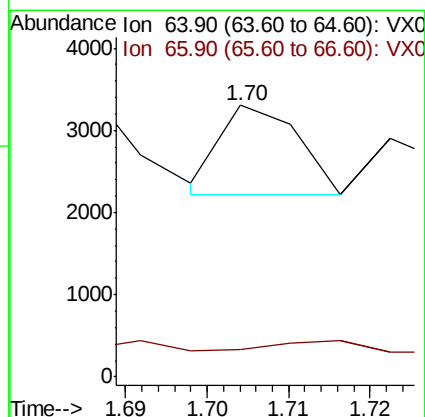
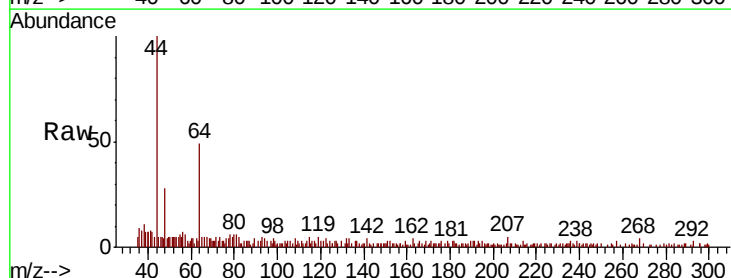
Acq: 13 Nov 2019 14:21

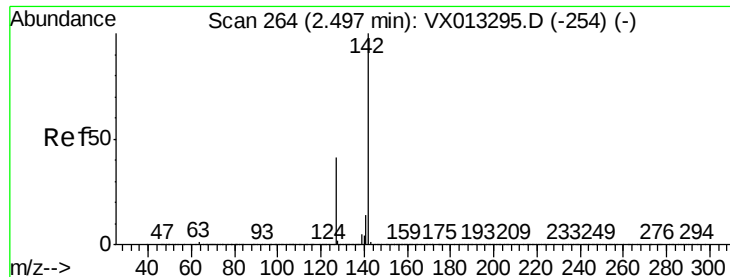
Tgt Ion: 64 Resp: 709

Ion Ratio Lower Upper

64 100

66 0.7 25.6 38.4#

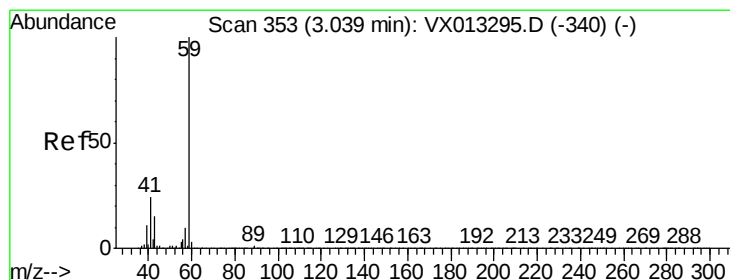
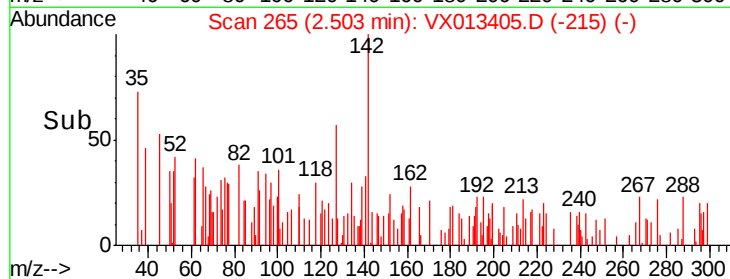
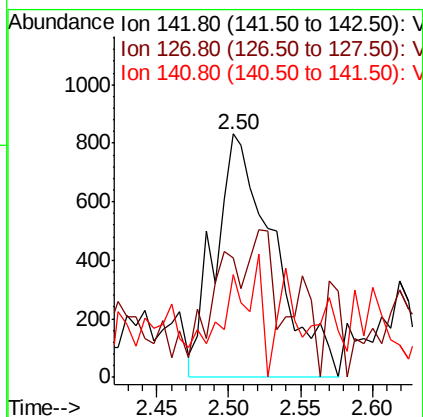
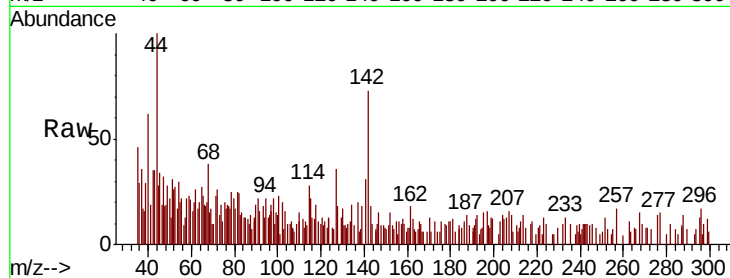




#10
Methyl Iodide
Concen: 0.261 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX013405.D
Acq: 13 Nov 2019 14:21

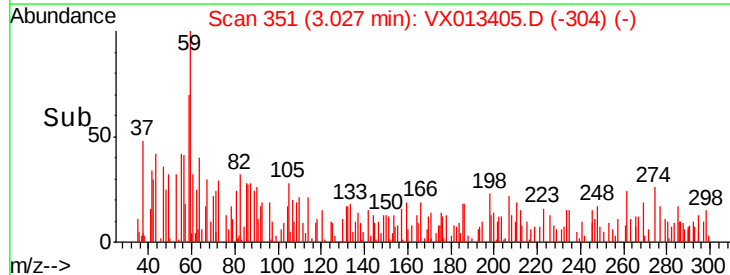
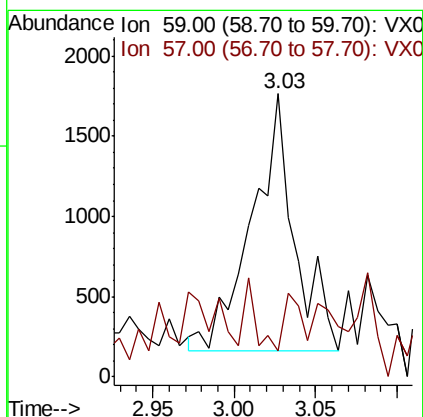
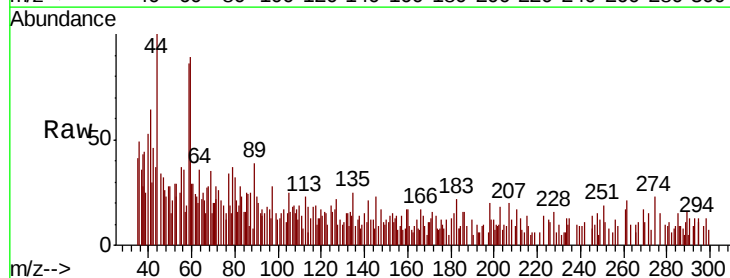
Instrument :
MSVOA_X
ClientSampled :
S32-0676

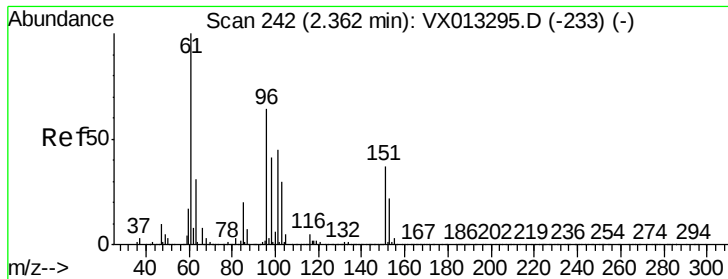
Tot Ion:142 Resp: 2359
Ion Ratio Lower Upper
142 100
127 22.0 32.6 49.0#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 1.200 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX013405.D
Acq: 13 Nov 2019 14:21

Tgt Ion: 59 Resp: 2922
Ion Ratio Lower Upper
59 100
57 8.8 8.0 12.0





#12

1,1-Dichloroethene

Concen: 0.207 ug/l

RT: 2.36 min Scan# 242

Delta R.T. 0.00 min

Lab File: VX013405.D

Acq: 13 Nov 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

S32-0676

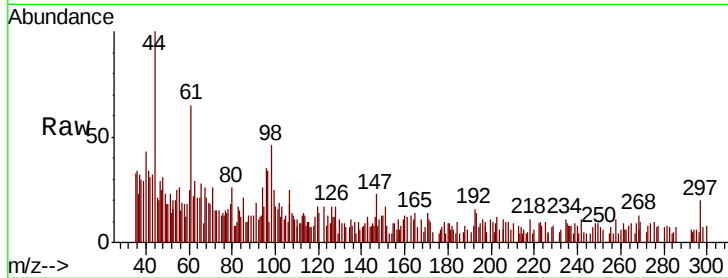
Tot Ion: 96 Resp: 1480

Ion Ratio Lower Upper

96 100

61 61.5 125.0 187.6#

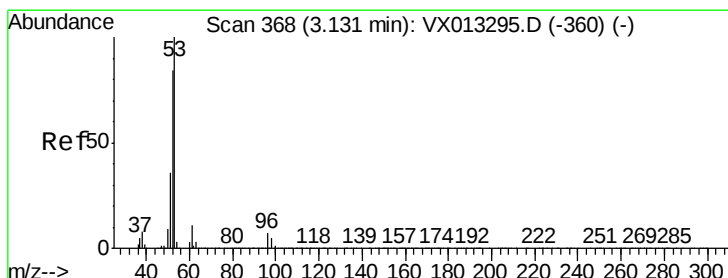
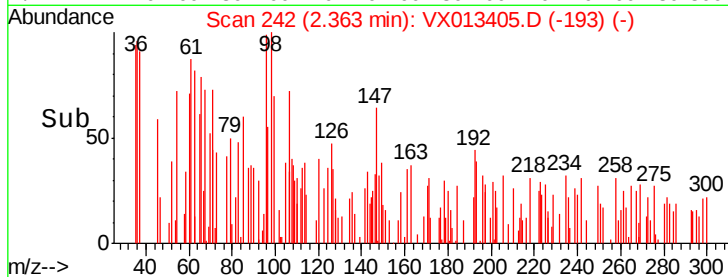
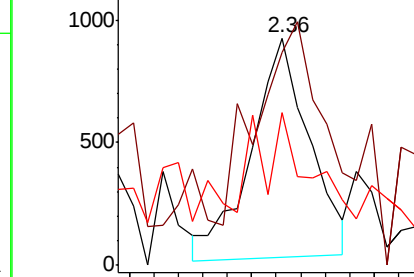
98 55.3 50.7 76.1



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#15

Acrylonitrile

Concen: 0.232 ug/l

RT: 3.14 min Scan# 370

Delta R.T. 0.01 min

Lab File: VX013405.D

Acq: 13 Nov 2019 14:21

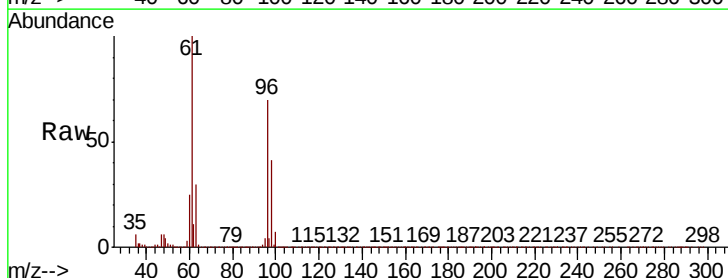
Tgt Ion: 53 Resp: 1056

Ion Ratio Lower Upper

53 100

52 103.9 67.4 101.0#

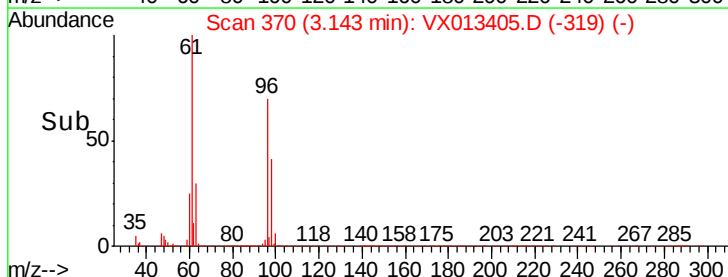
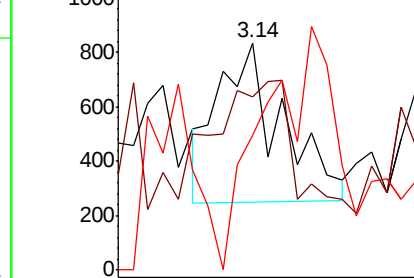
51 0.0 29.4 44.2#

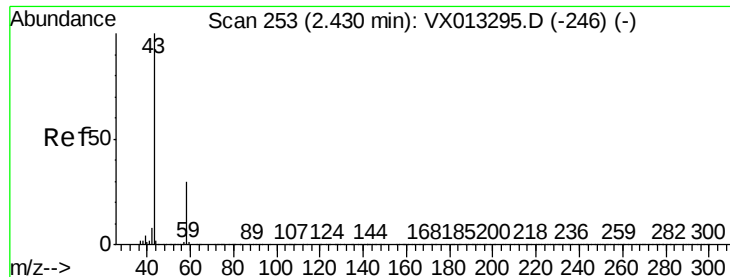


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 1.680 ug/l

RT: 2.42 min Scan# 252

Delta R.T. -0.01 min

Lab File: VX013405.D

Acq: 13 Nov 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

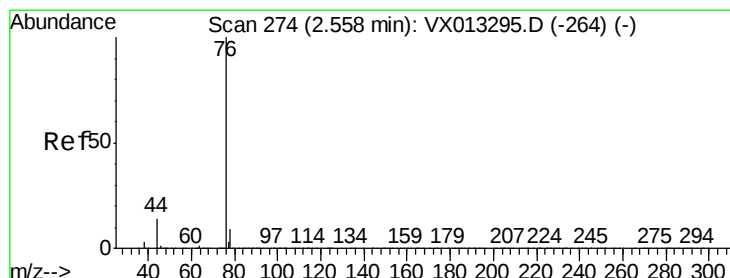
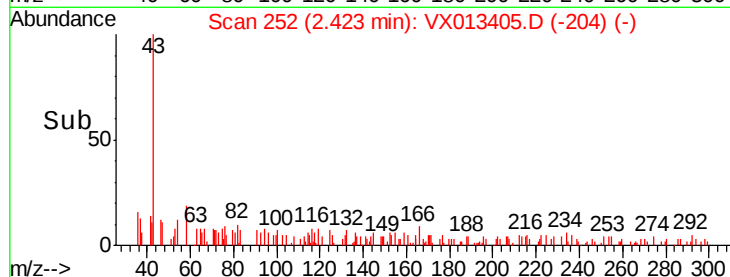
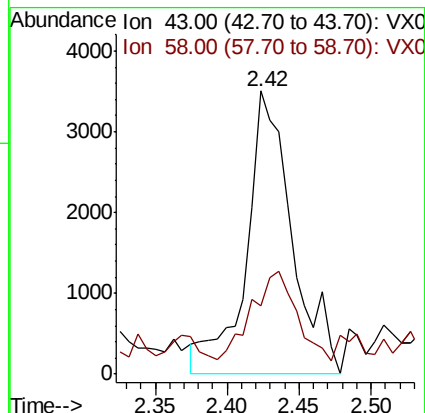
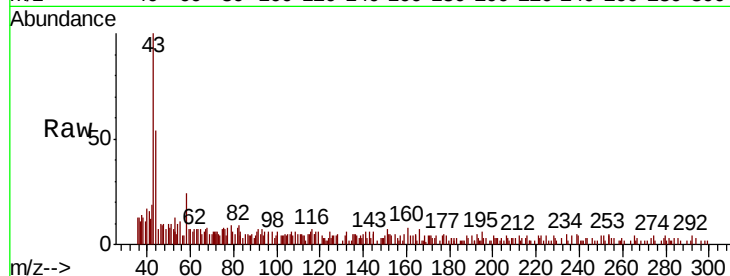
S32-0676

Tot Ion: 43 Resp: 7740

Ion Ratio Lower Upper

43 100

58 10.4 24.3 36.5#



#17

Carbon Disulfide

Concen: 0.211 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX013405.D

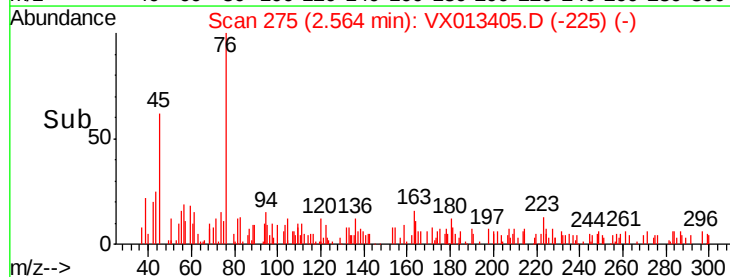
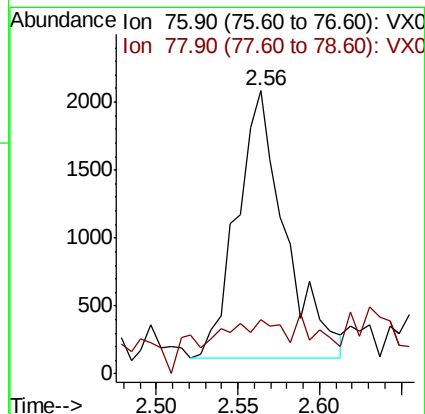
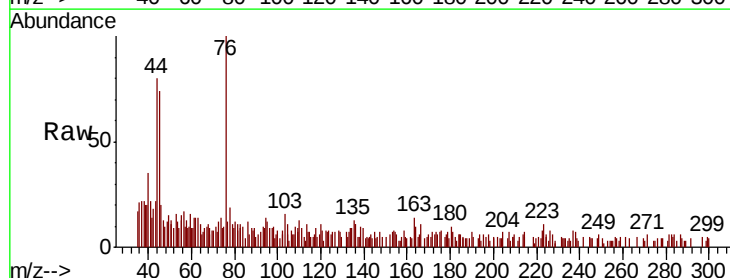
Acq: 13 Nov 2019 14:21

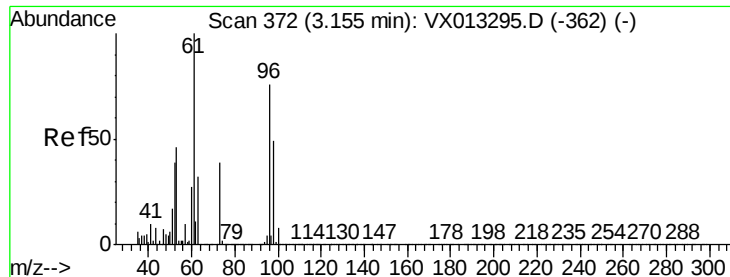
Tgt Ion: 76 Resp: 4043

Ion Ratio Lower Upper

76 100

78 9.9 7.0 10.6





#21

trans-1,2-Dichloroethene

Concen: 30.571 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013405.D

Acq: 13 Nov 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

S32-0676

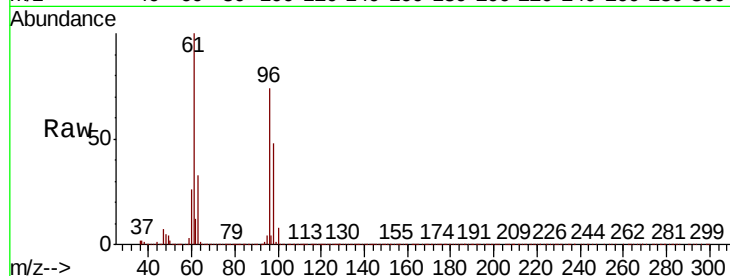
Tot Ion: 96 Resp: 238063

Ion Ratio Lower Upper

96 100

61 134.3 105.8 158.6

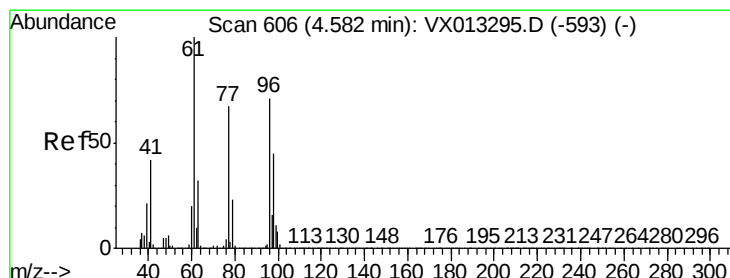
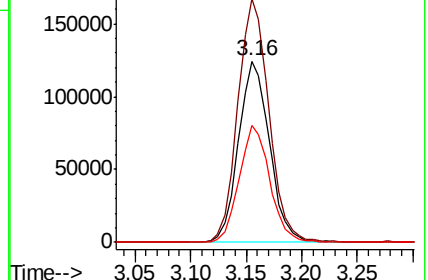
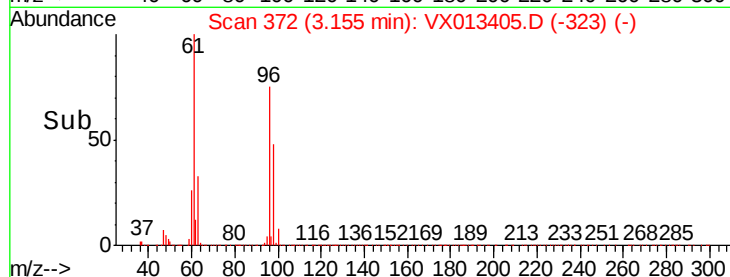
98 64.6 51.8 77.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 22.152 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.01 min

Lab File: VX013405.D

Acq: 13 Nov 2019 14:21

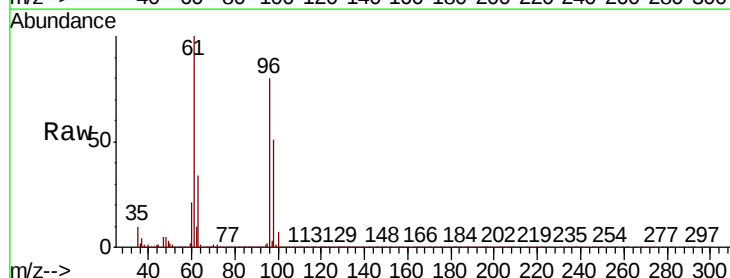
Tgt Ion: 96 Resp: 193240

Ion Ratio Lower Upper

96 100

61 124.8 0.0 288.0

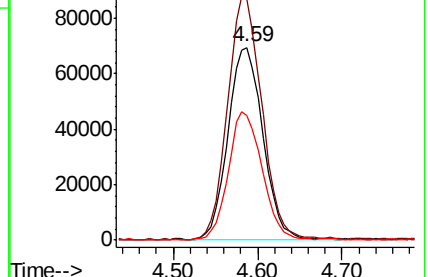
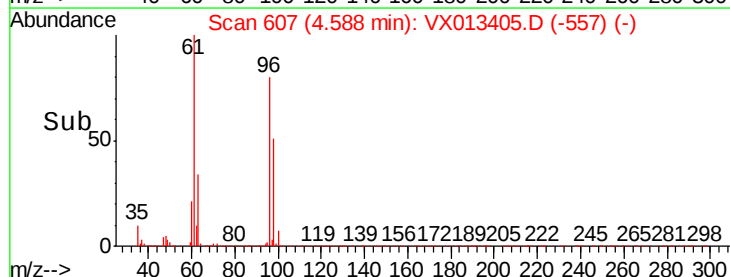
98 65.4 0.0 129.6

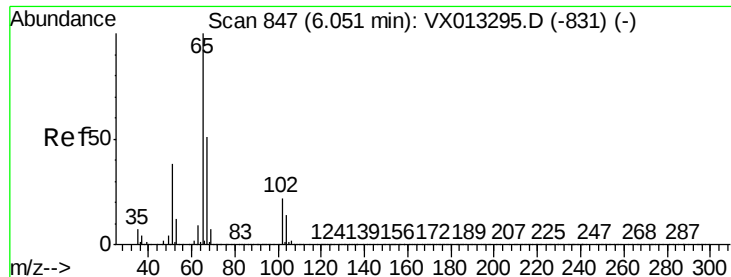


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.095 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013405.D

Acq: 13 Nov 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

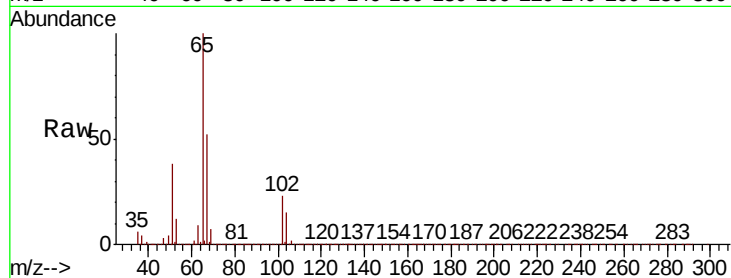
S32-0676

Tot Ion: 65 Resp: 444257

Ion Ratio Lower Upper

65 100

67 52.5 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

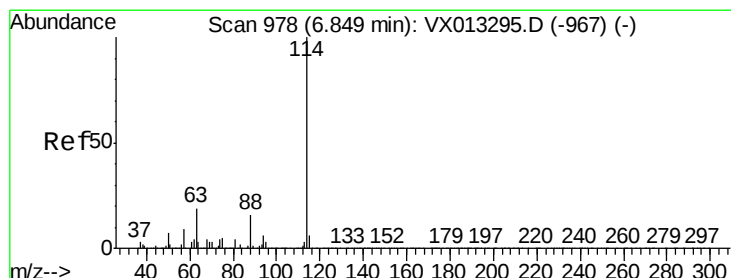
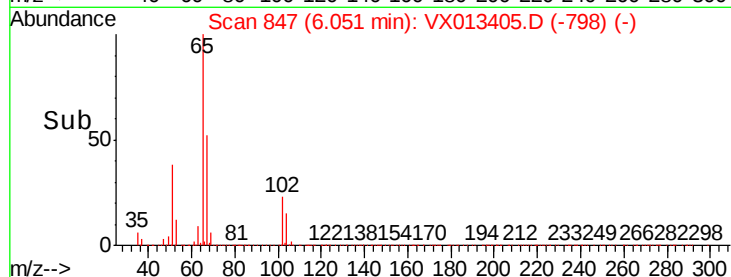
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013405.D

Acq: 13 Nov 2019 14:21

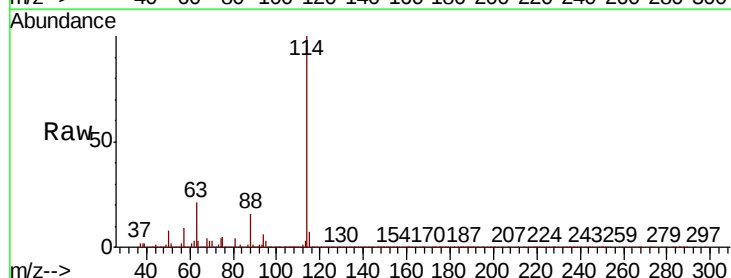
Tgt Ion: 114 Resp: 1234544

Ion Ratio Lower Upper

114 100

63 20.6 0.0 38.4

88 15.6 0.0 32.2



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

6.85

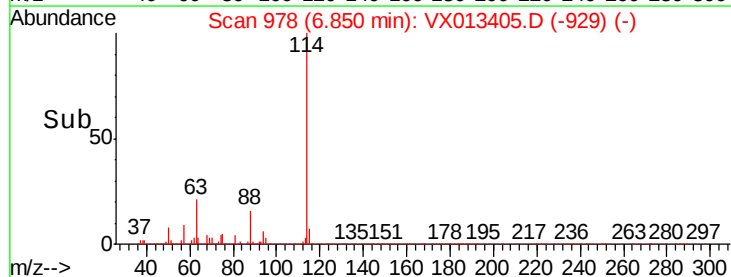
600000

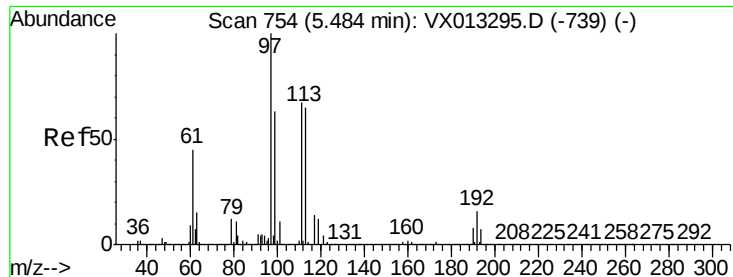
400000

200000

0

Time--> 6.70 6.80 6.90

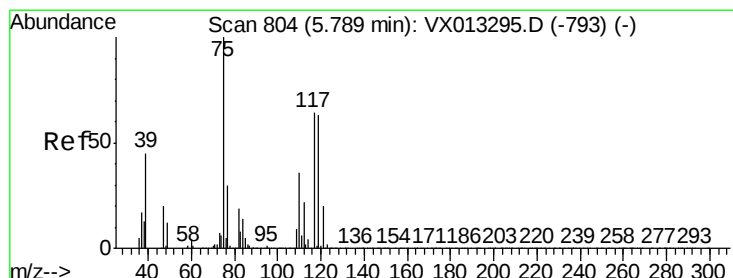
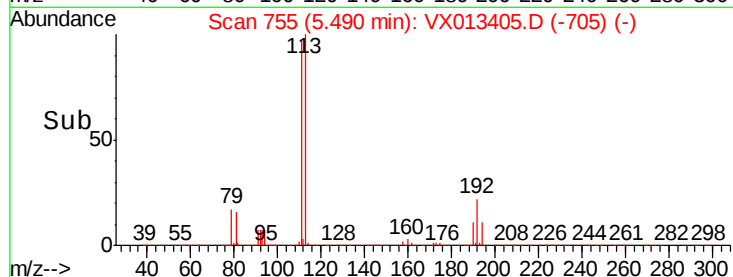
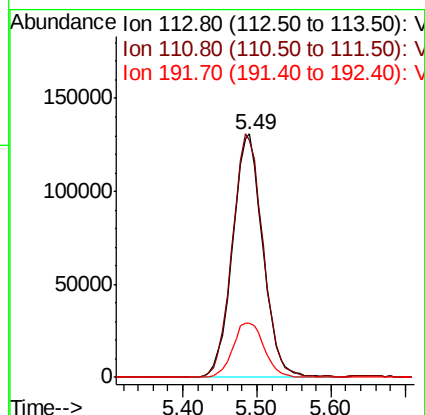
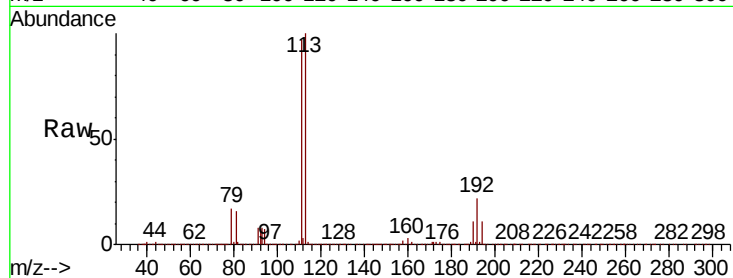




#35
Dibromofluoromethane
Concen: 47.890 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX013405.D
Acq: 13 Nov 2019 14:21

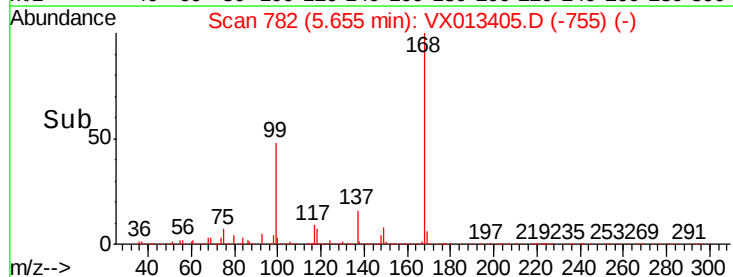
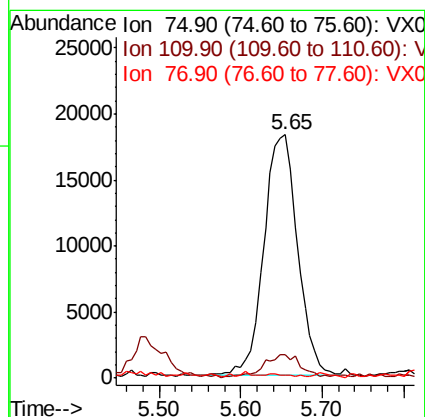
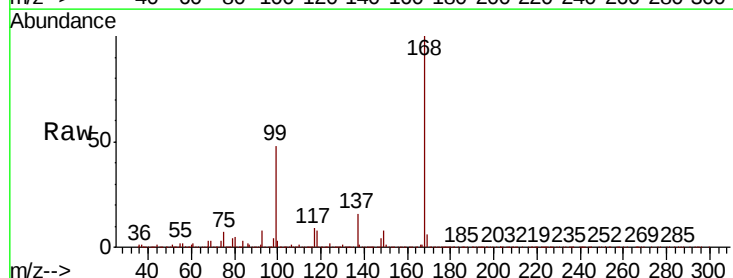
Instrument :
MSVOA_X
ClientSampleId :
S32-0676

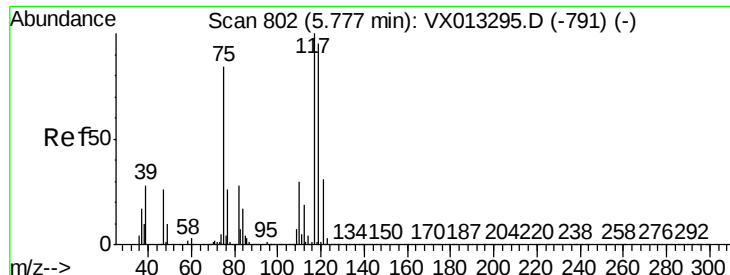
Tot Ion:113 Resp: 370821
Ion Ratio Lower Upper
113 100
111 101.7 81.9 122.9
192 23.4 19.1 28.7



#36
1,1-Dichloropropene
Concen: 4.962 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.13 min
Lab File: VX013405.D
Acq: 13 Nov 2019 14:21

Tgt Ion: 75 Resp: 52556
Ion Ratio Lower Upper
75 100
110 11.0 18.1 54.1#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.438 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013405.D

Acq: 13 Nov 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

S32-0676

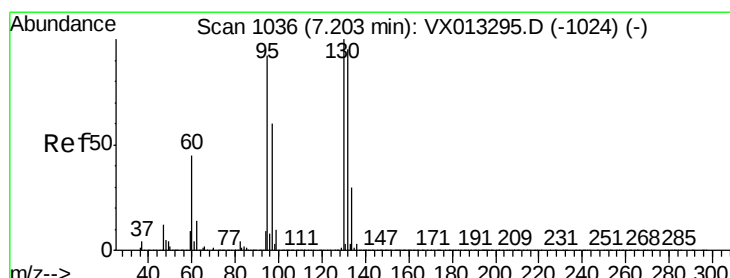
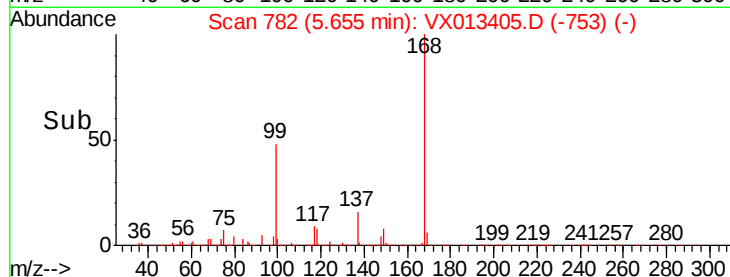
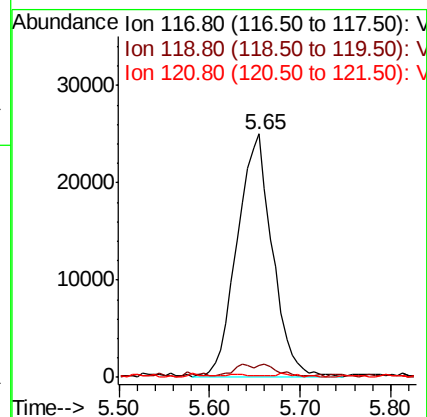
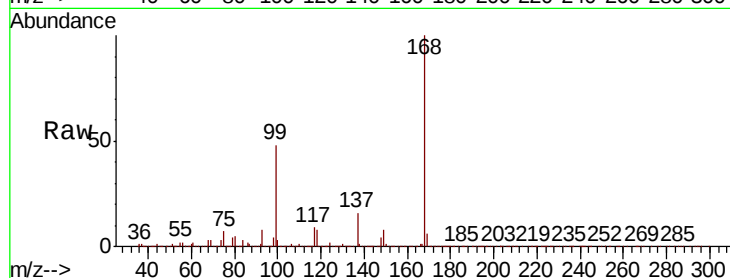
Tot Ion:117 Resp: 66677

Ion Ratio Lower Upper

117 100

119 4.1 76.1 114.1#

121 0.5 24.6 37.0#



#44

Trichloroethene

Concen: 2.490 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013405.D

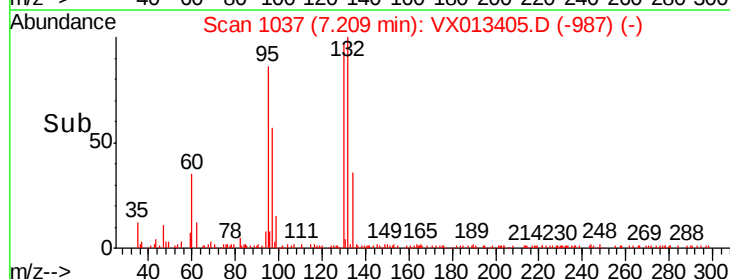
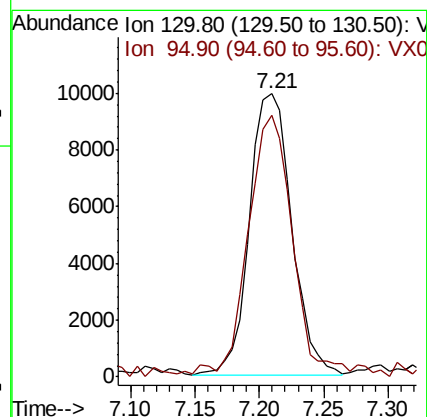
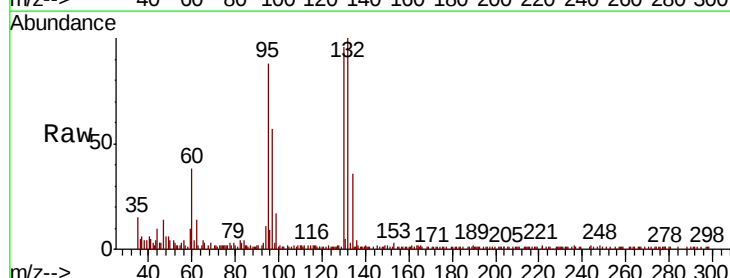
Acq: 13 Nov 2019 14:21

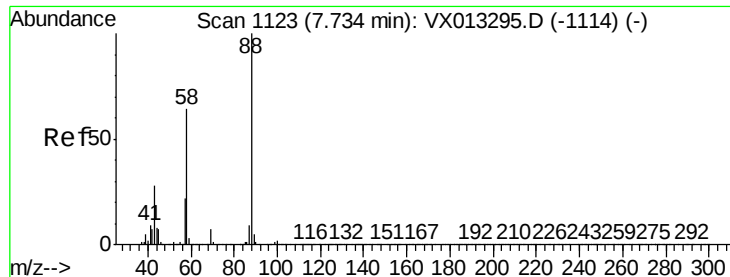
Tgt Ion:130 Resp: 22616

Ion Ratio Lower Upper

130 100

95 91.6 0.0 184.8





#49

1,4-Dioxane

Concen: 2.588 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX013405.D

Acq: 13 Nov 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

S32-0676

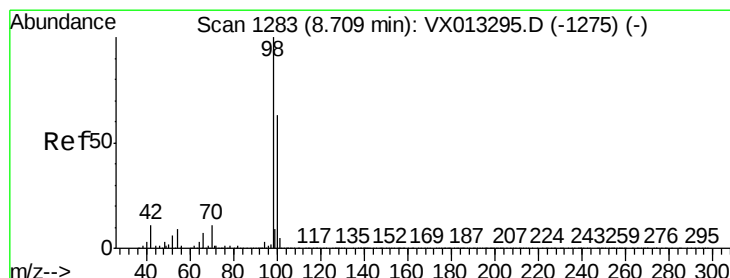
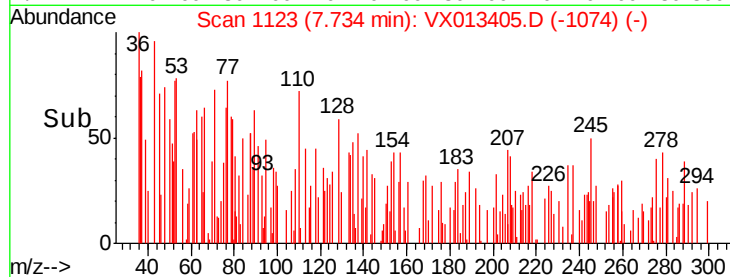
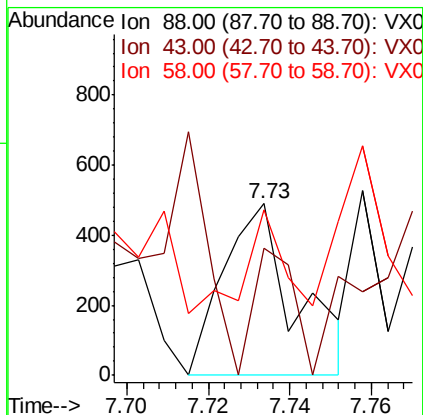
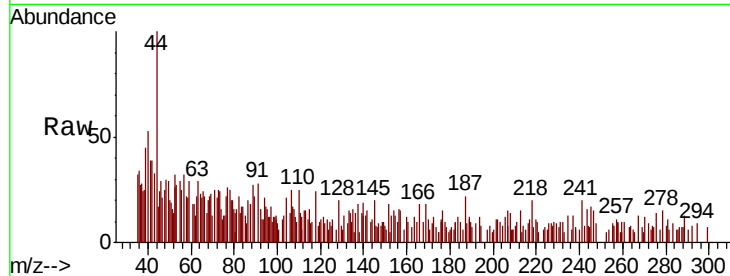
Tot Ion: 88 Resp: 603

Ion Ratio Lower Upper

88 100

43 41.1 26.6 39.8#

58 21.7 55.0 82.6#



#50

Toluene-d8

Concen: 49.729 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013405.D

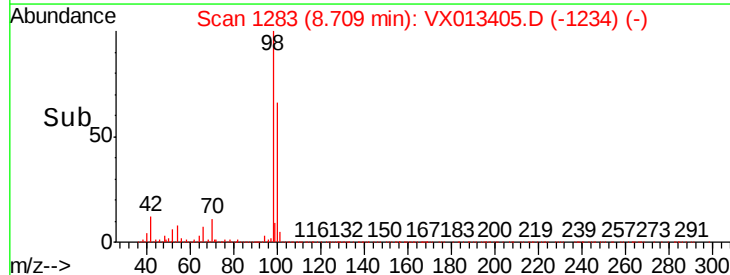
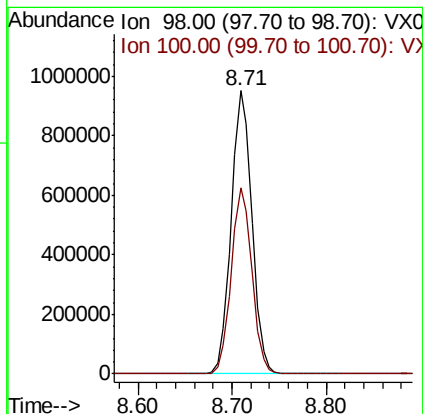
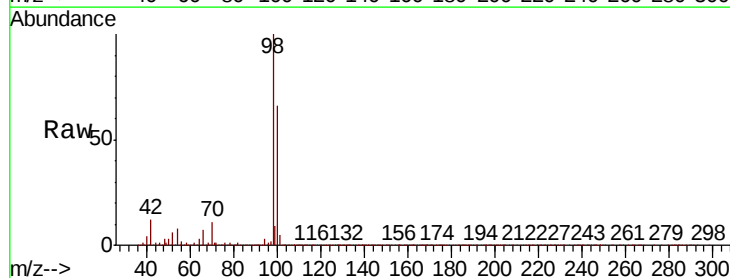
Acq: 13 Nov 2019 14:21

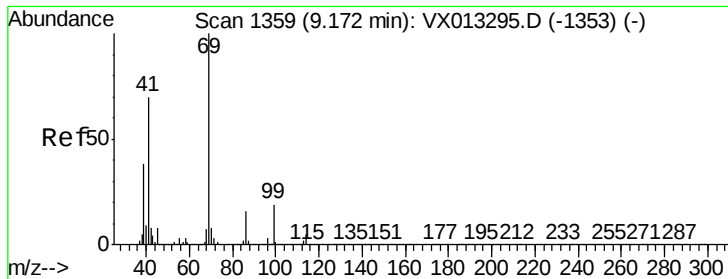
Tgt Ion: 98 Resp: 1451645

Ion Ratio Lower Upper

98 100

100 65.5 52.2 78.2





#56

Ethyl methacrylate

Concen: 1.583 ug/l

RT: 9.18 min Scan# 1360

Delta R.T. 0.01 min

Lab File: VX013405.D

Acq: 13 Nov 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

S32-0676

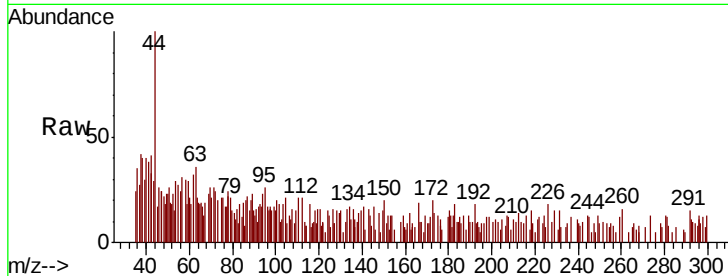
Tot Ion: 69 Resp: 292

Ion Ratio Lower Upper

69 100

41 0.0 56.2 84.2#

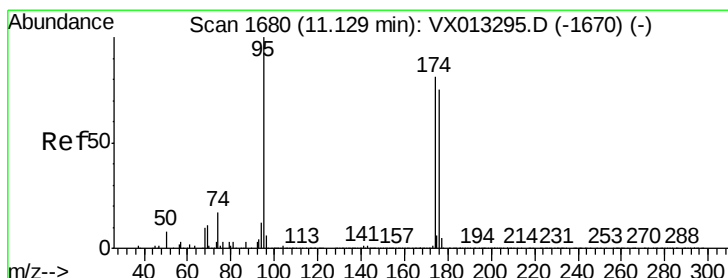
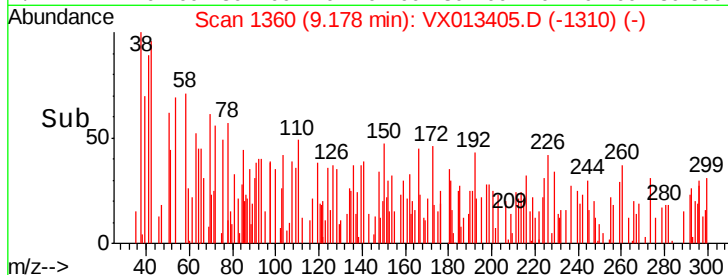
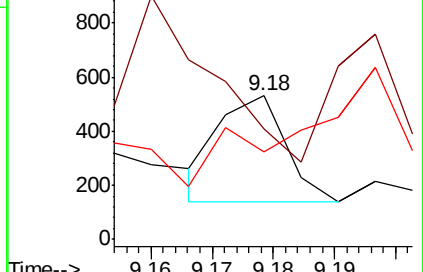
39 0.0 31.1 46.7#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#62

4-Bromofluorobenzene

Concen: 46.131 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013405.D

Acq: 13 Nov 2019 14:21

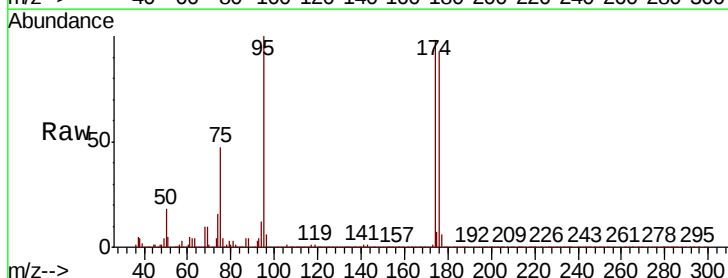
Tgt Ion: 95 Resp: 486004

Ion Ratio Lower Upper

95 100

174 90.3 0.0 179.8

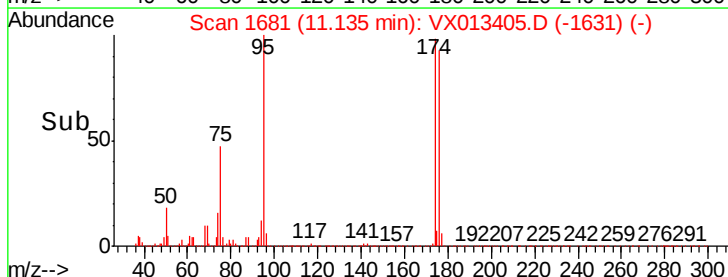
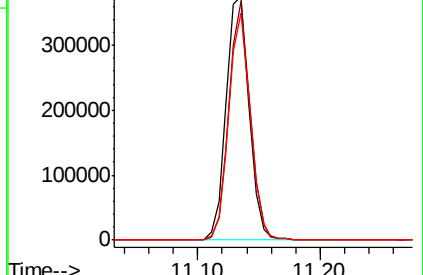
176 87.1 0.0 173.0

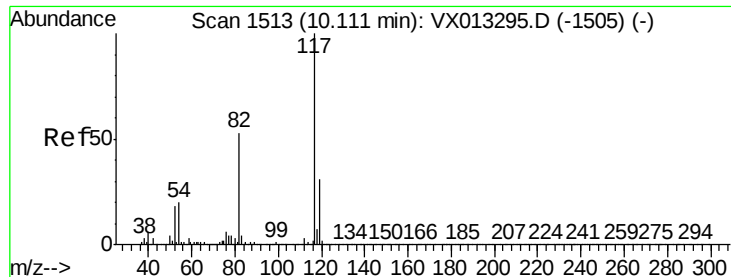


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

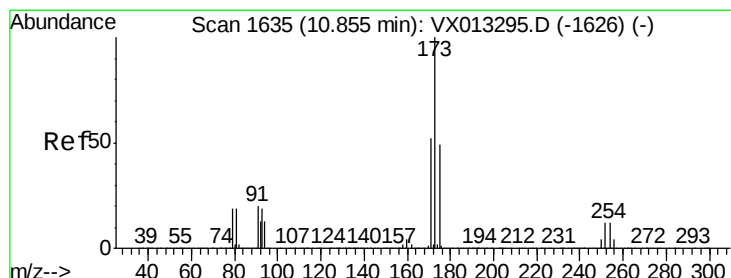
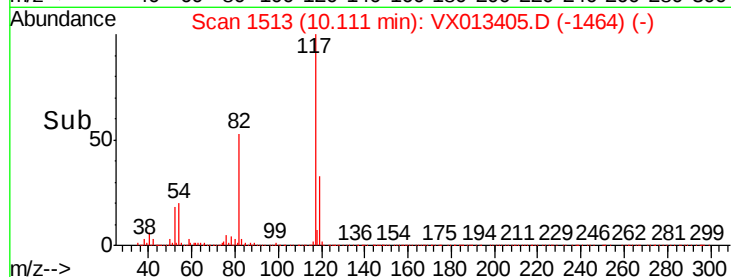
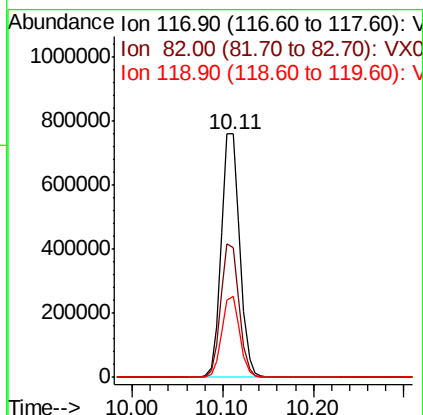
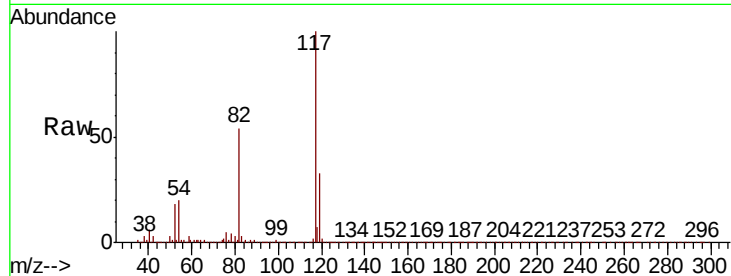




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013405.D
Acq: 13 Nov 2019 14:21

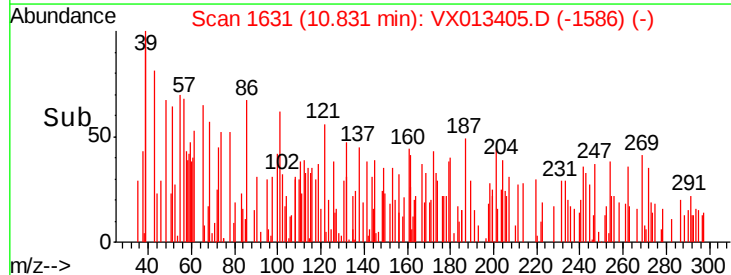
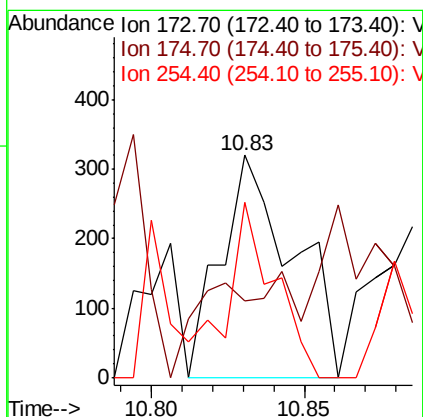
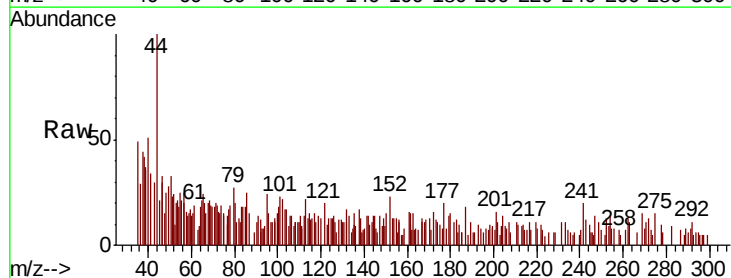
Instrument :
MSVOA_X
ClientSampled :
S32-0676

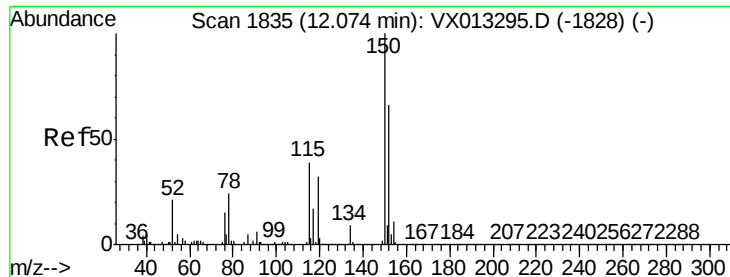
Tot Ion:117 Resp: 1078093
Ion Ratio Lower Upper
117 100
82 53.5 42.6 64.0
119 33.0 24.8 37.2



#71
Bromoform
Concen: 3.269 ug/l
RT: 10.83 min Scan# 1631
Delta R.T. -0.02 min
Lab File: VX013405.D
Acq: 13 Nov 2019 14:21

Tgt Ion:173 Resp: 524
Ion Ratio Lower Upper
173 100
175 0.0 24.8 74.4#
254 50.4 0.2 0.2#



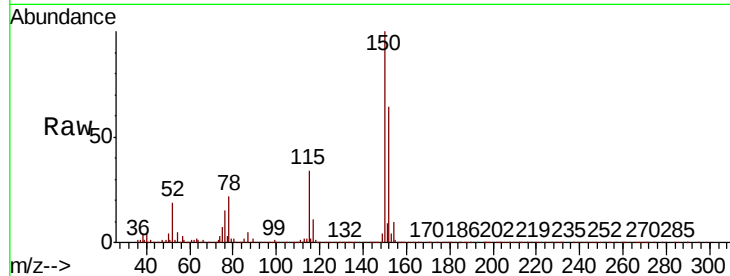


#72

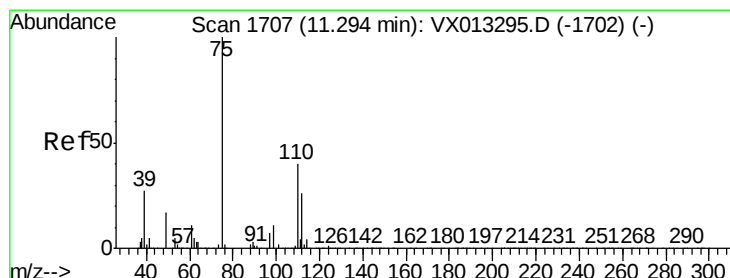
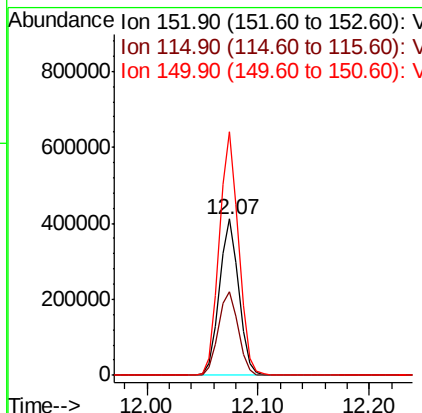
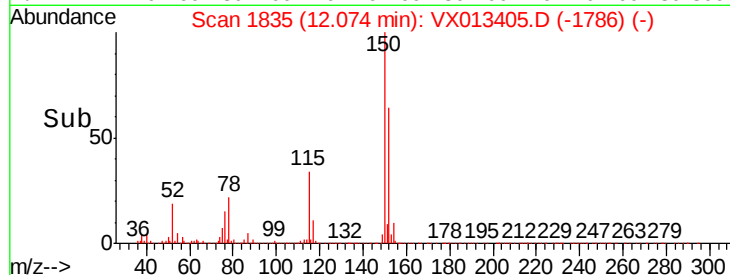
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013405.D
Acq: 13 Nov 2019 14:21

Instrument :
MSVOA_X
ClientSampled :
S32-0676

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.1	39.5	118.3
150	155.7	0.0	344.4



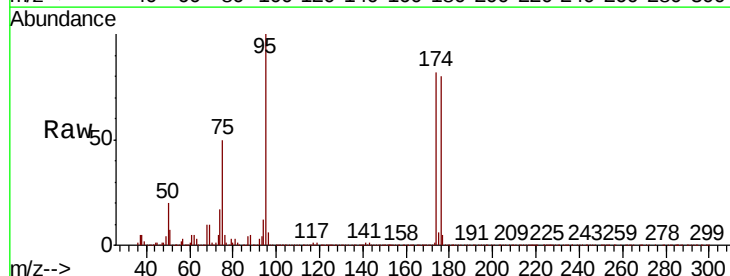
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



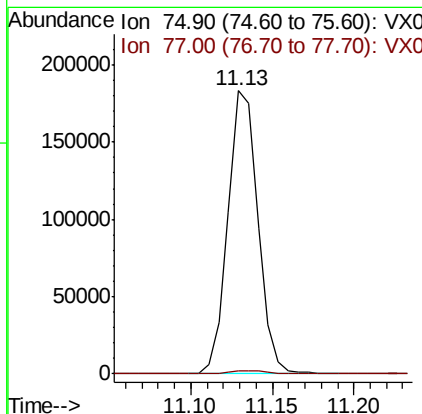
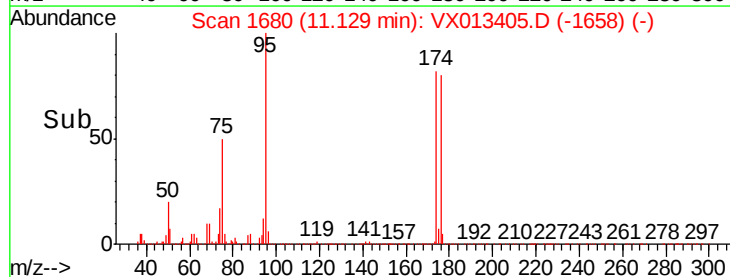
#76

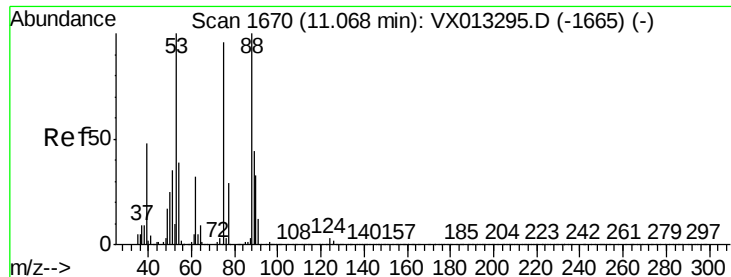
1,2,3-Trichloropropane
Concen: 23.355 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX013405.D
Acq: 13 Nov 2019 14:21

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	22.3	66.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 60.115 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013405.D

Acq: 13 Nov 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

S32-0676

Tot Ion: 75 Resp: 234229

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.6#

89 0.1 36.0 54.0#

