

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010419\
 Data File : VX006922.D
 Acq On : 04 Jan 2019 19:11
 Operator : JC/MD
 Sample : K1057-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0649

Quant Time: Jan 04 23:36:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	648517	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	987738	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	915864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	451599	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	338419	48.42	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.84%		
35) Dibromofluoromethane	5.50	113	301995	48.35	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.70%		
50) Toluene-d8	8.71	98	1167033	49.56	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.12%		
62) 4-Bromofluorobenzene	11.13	95	424761	49.25	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.50%		

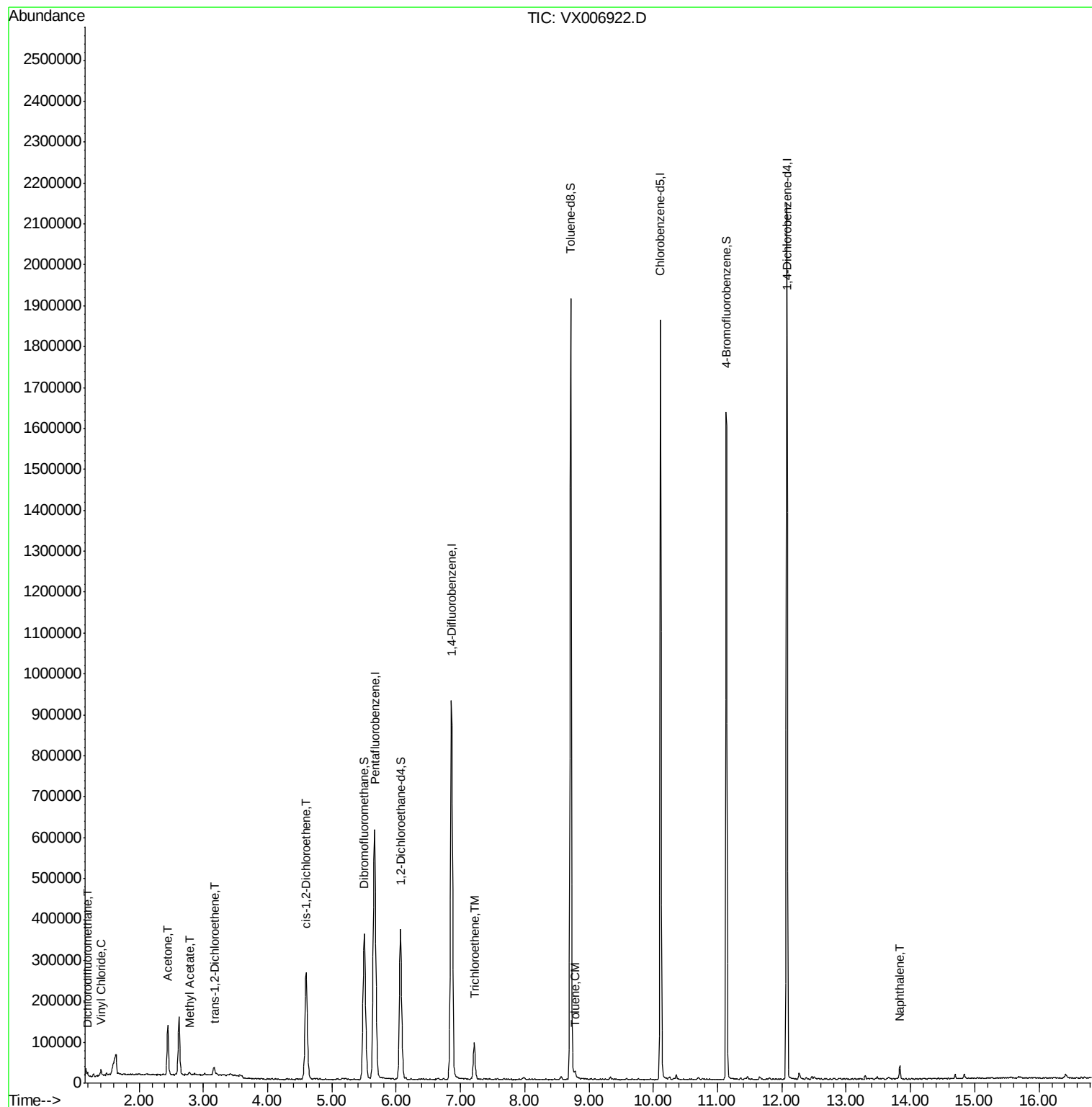
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	4476	0.754	ug/l	100
4) Vinyl Chloride	1.41	62	8389	1.257	ug/l	97
16) Acetone	2.45	43	131253	40.874	ug/l	96
18) Methyl Acetate	2.78	43	7981	0.845	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	8963	1.396	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	175489	24.775	ug/l	92
44) Trichloroethene	7.21	130	35676	4.740	ug/l	96
52) Toluene	8.79	92	5778	0.360	ug/l	94
95) Naphthalene	13.83	128	21417	0.646	ug/l	95

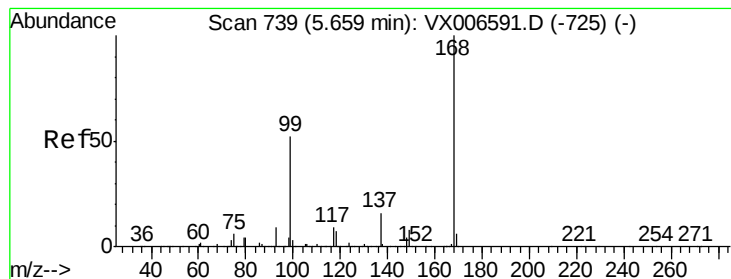
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006922.D

Acq: 04 Jan 2019 19:11

Instrument :

MSVOA_X

ClientSampleId :

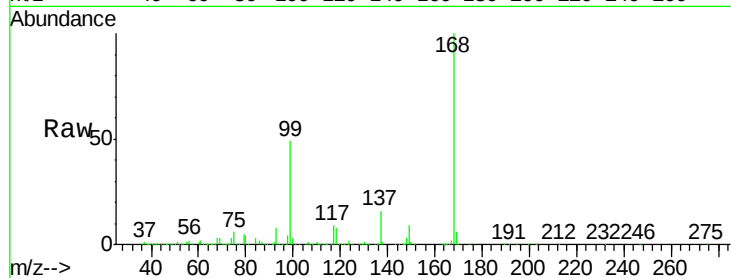
S32-0649

Tot Ion:168 Resp: 648517

Ion Ratio Lower Upper

168 100

99 49.3 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

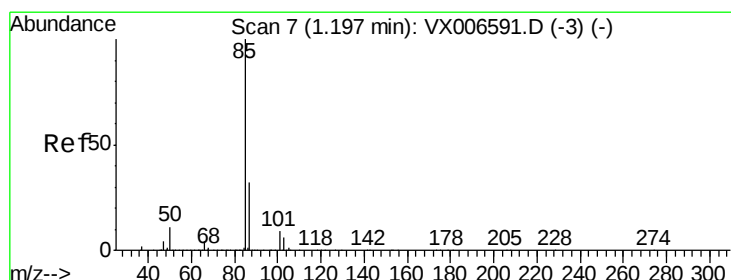
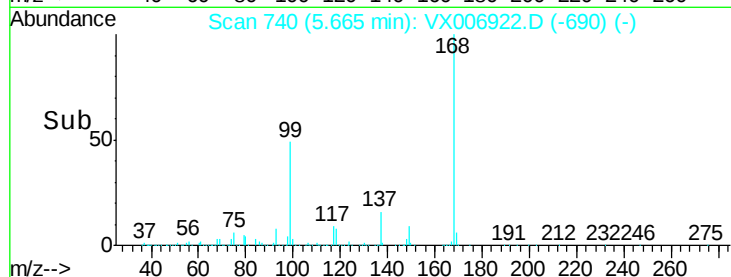
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80 5.90



#2

Dichlorodifluoromethane

Concen: 0.754 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX006922.D

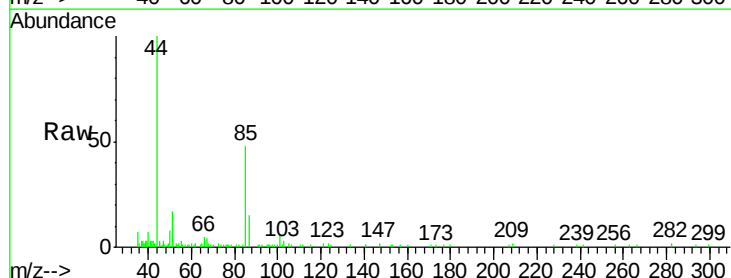
Acq: 04 Jan 2019 19:11

Tgt Ion: 85 Resp: 4476

Ion Ratio Lower Upper

85 100

87 31.5 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

4000

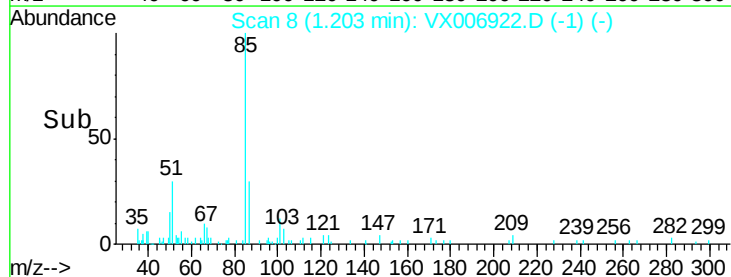
3000

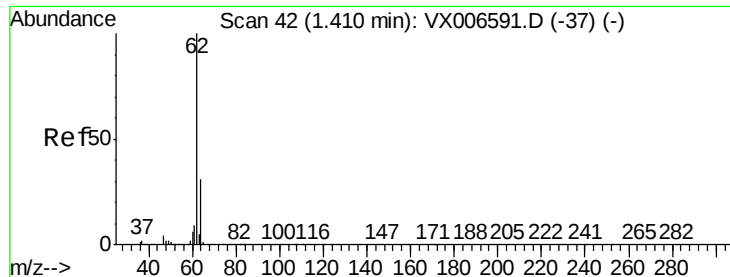
2000

1000

0

Time--> 1.15 1.20 1.25





#4

Vinyl Chloride

Concen: 1.257 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006922.D

Acq: 04 Jan 2019 19:11

Instrument :

MSVOA_X

ClientSampleId :

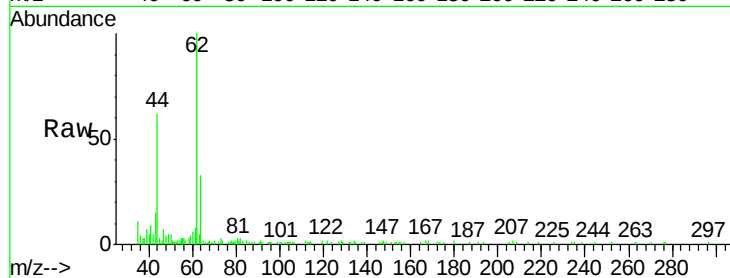
S32-0649

Tot Ion: 62 Resp: 8389

Ion Ratio Lower Upper

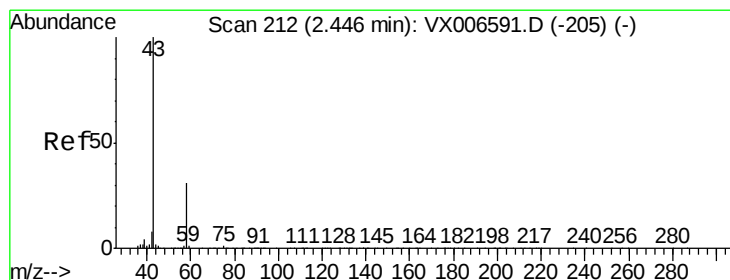
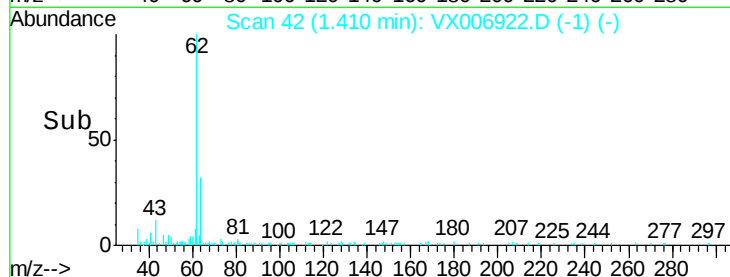
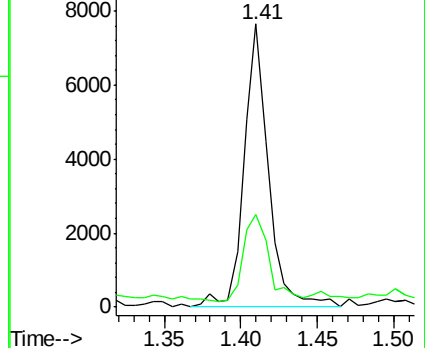
62 100

64 29.9 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#16

Acetone

Concen: 40.874 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006922.D

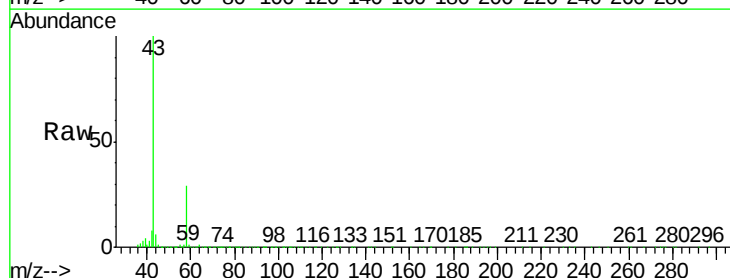
Acq: 04 Jan 2019 19:11

Tgt Ion: 43 Resp: 131253

Ion Ratio Lower Upper

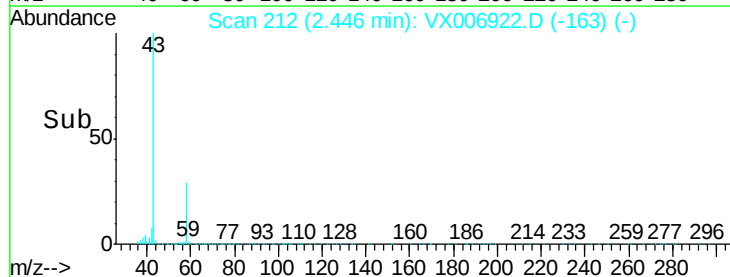
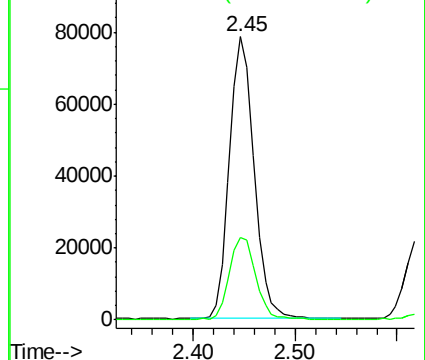
43 100

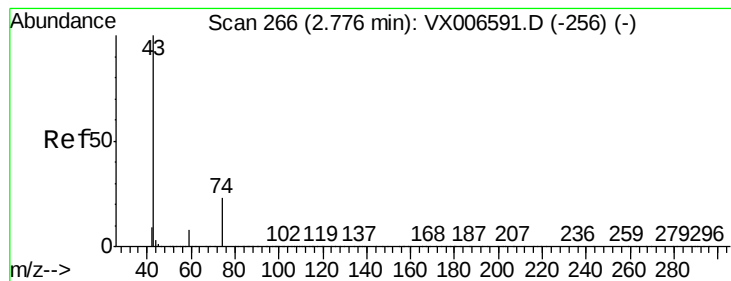
58 29.3 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#18

Methyl Acetate

Concen: 0.845 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX006922.D

Acq: 04 Jan 2019 19:11

Instrument :

MSVOA_X

ClientSampleId :

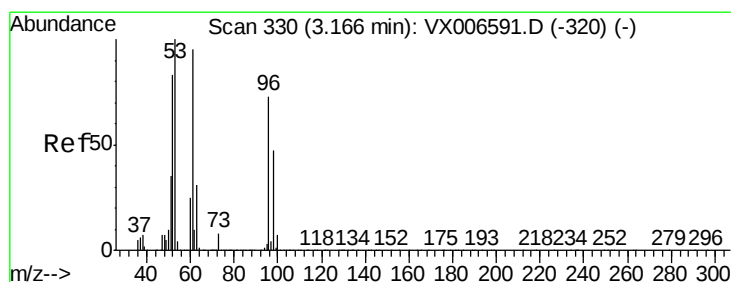
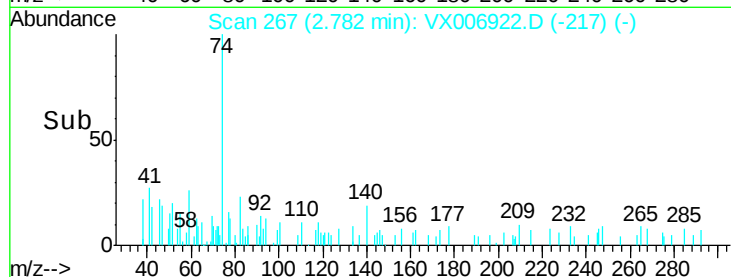
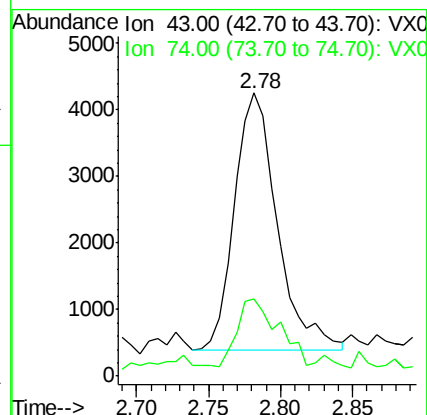
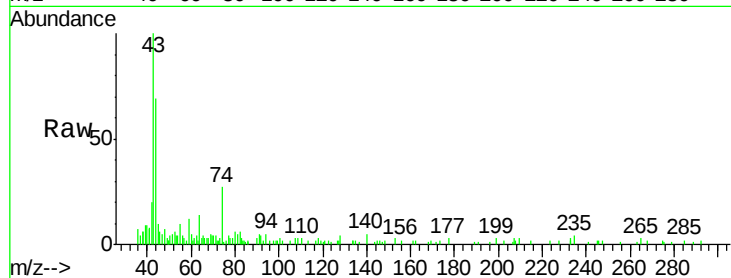
S32-0649

Tot Ion: 43 Resp: 7981

Ion Ratio Lower Upper

43 100

74 25.5 18.6 28.0



#21

trans-1,2-Dichloroethene

Concen: 1.396 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006922.D

Acq: 04 Jan 2019 19:11

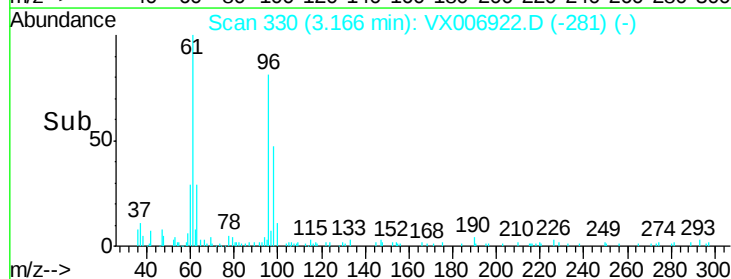
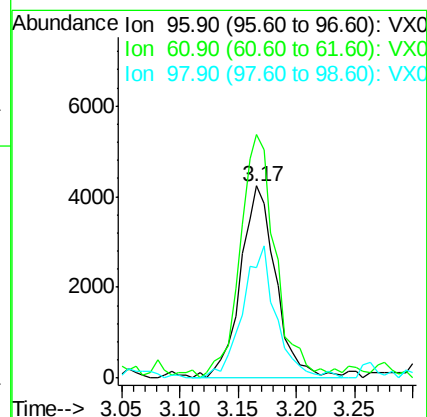
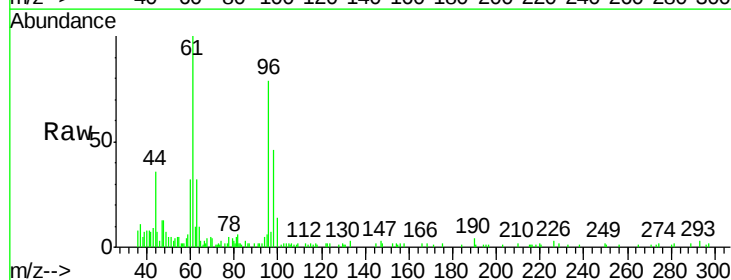
Tgt Ion: 96 Resp: 8963

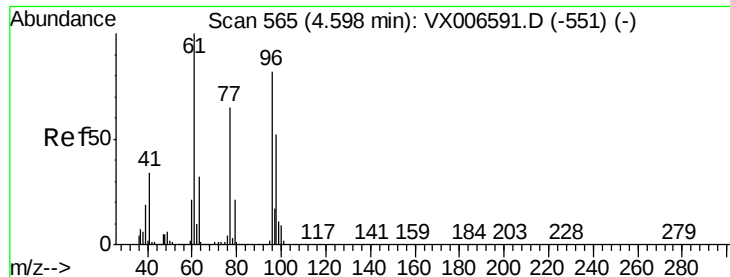
Ion Ratio Lower Upper

96 100

61 125.8 103.7 155.5

98 58.6 51.0 76.6



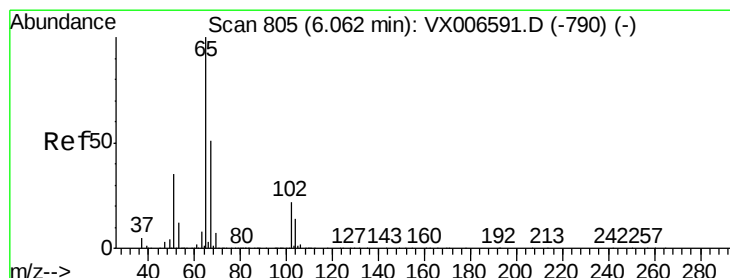
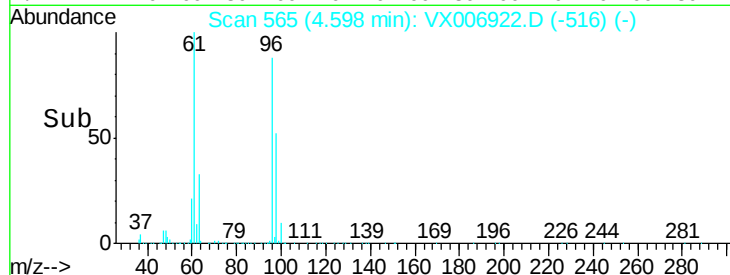
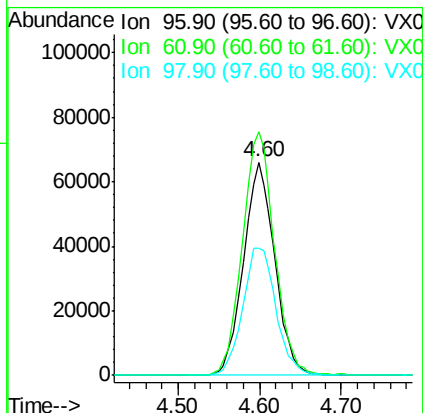
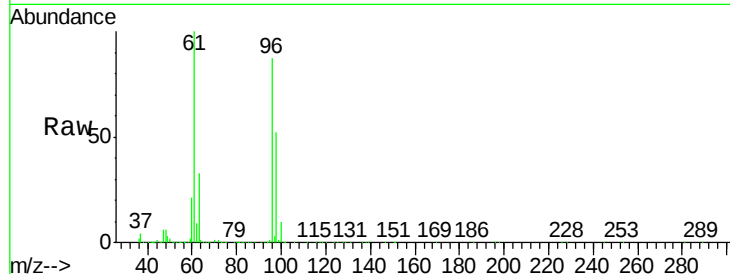


#27

cis-1,2-Dichloroethene
 Concen: 24.775 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX006922.D
 Acq: 04 Jan 2019 19:11

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0649

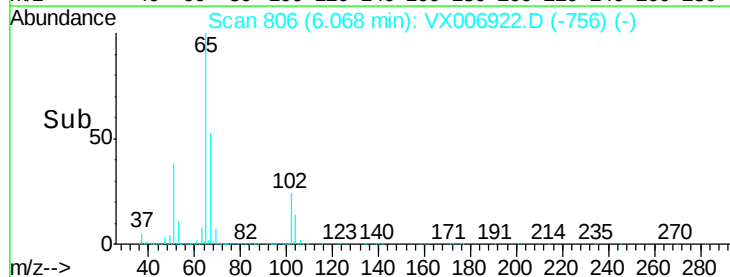
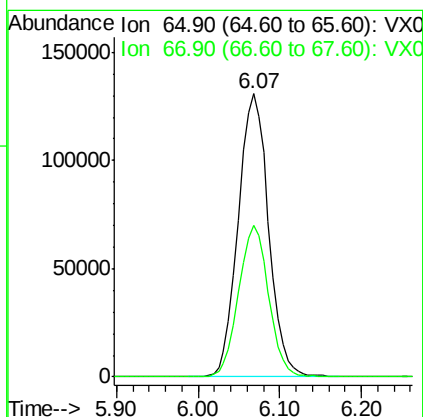
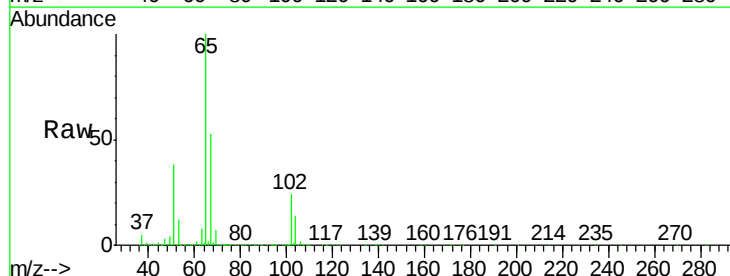
Tot Ion	Ratio	Lower	Upper
96	100		
61	117.6	0.0	258.6
98	63.9	0.0	132.0

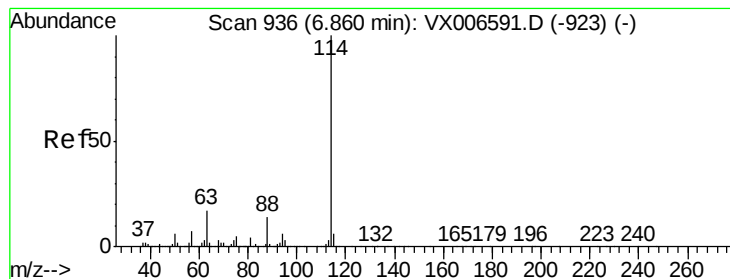


#33

1,2-Dichloroethane-d4
 Concen: 48.419 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX006922.D
 Acq: 04 Jan 2019 19:11

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006922.D

Acq: 04 Jan 2019 19:11

Instrument :

MSVOA_X

ClientSampleId :

S32-0649

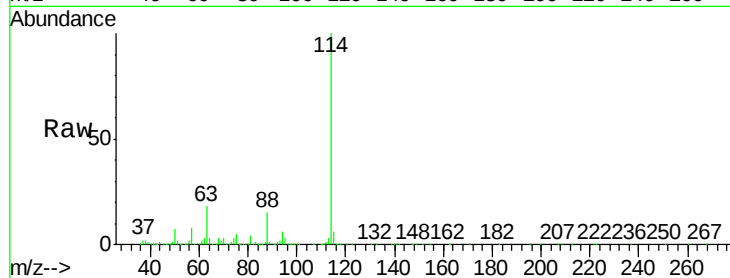
Tot Ion:114 Resp: 987738

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.8

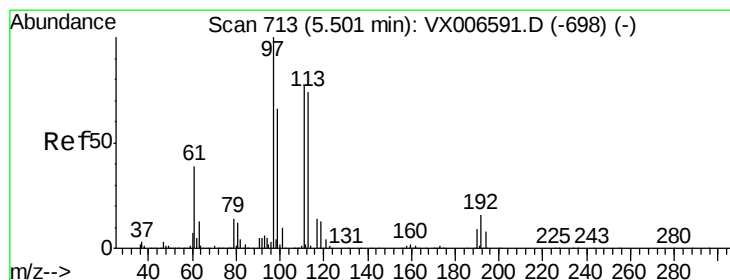
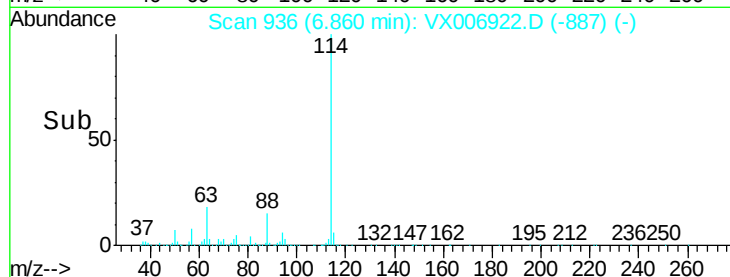
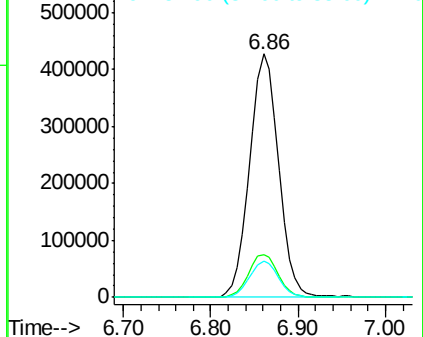
88 14.9 0.0 28.8



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: 48.348 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006922.D

Acq: 04 Jan 2019 19:11

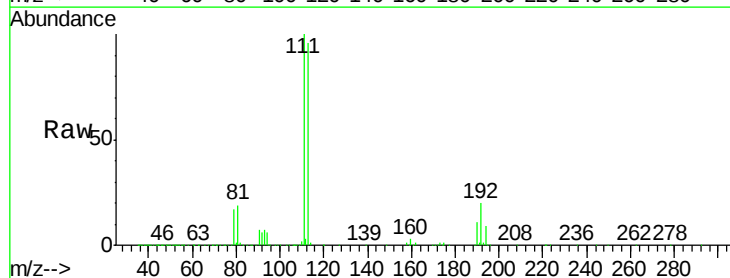
Tgt Ion:113 Resp: 301995

Ion Ratio Lower Upper

113 100

111 101.5 81.6 122.4

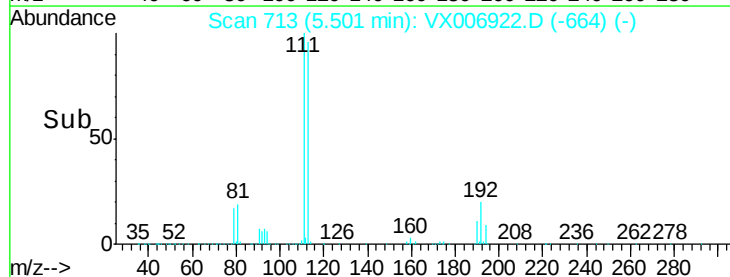
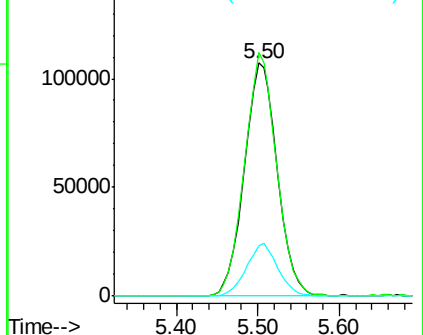
192 21.7 16.7 25.1

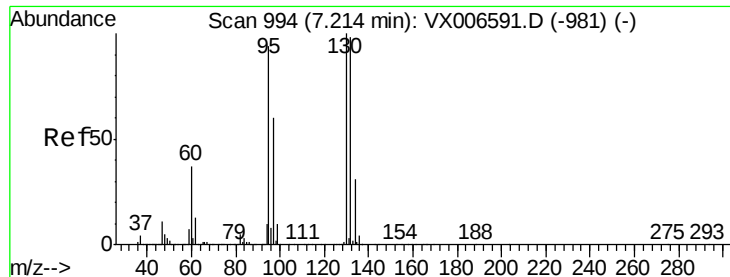


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 4.740 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX006922.D

Acq: 04 Jan 2019 19:11

Instrument :

MSVOA_X

ClientSampleId :

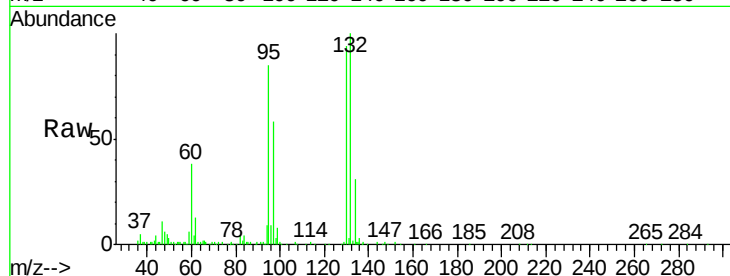
S32-0649

Tot Ion:130 Resp: 35676

Ion Ratio Lower Upper

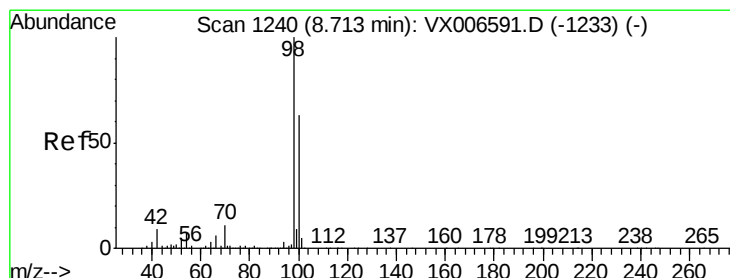
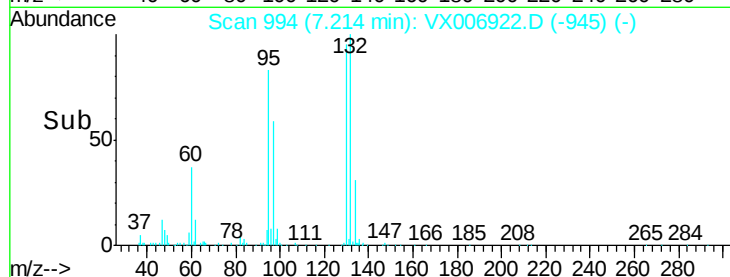
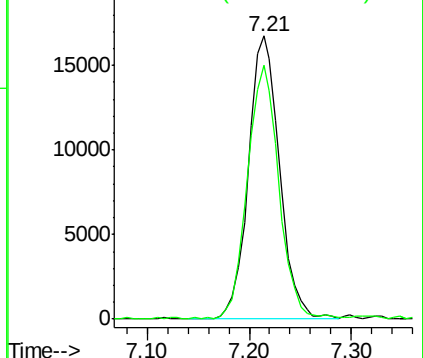
130 100

95 89.5 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 49.558 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006922.D

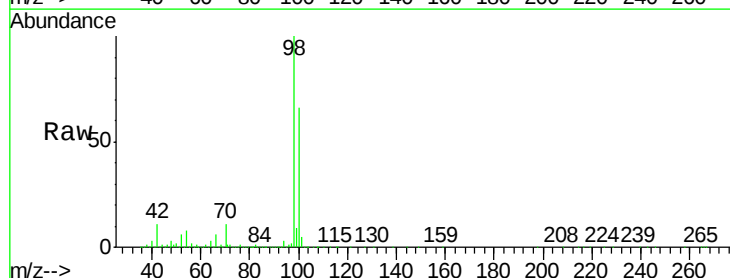
Acq: 04 Jan 2019 19:11

Tgt Ion: 98 Resp: 1167033

Ion Ratio Lower Upper

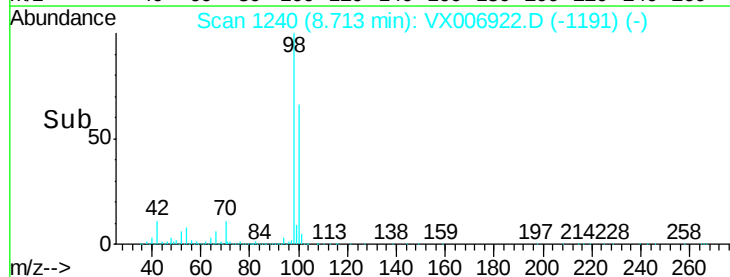
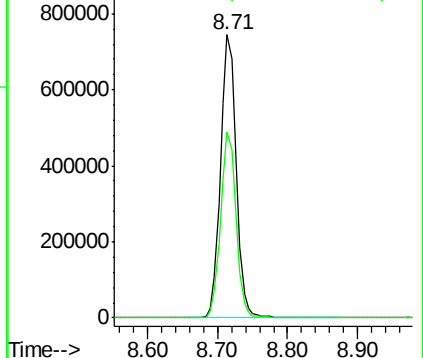
98 100

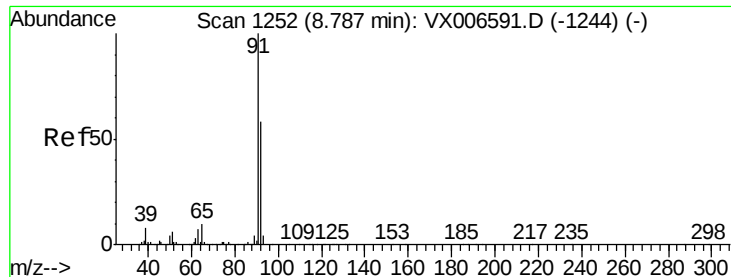
100 64.9 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 0.360 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX006922.D

Acq: 04 Jan 2019 19:11

Instrument :

MSVOA_X

ClientSampleId :

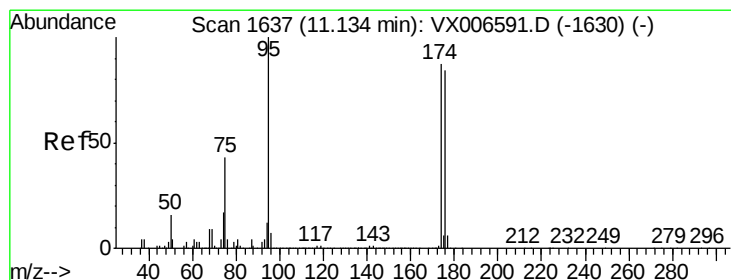
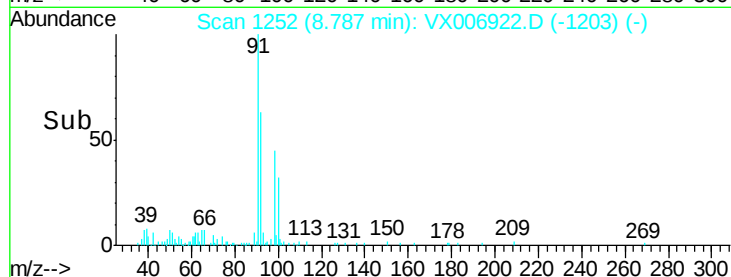
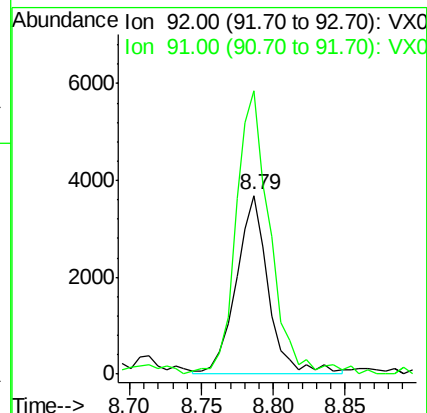
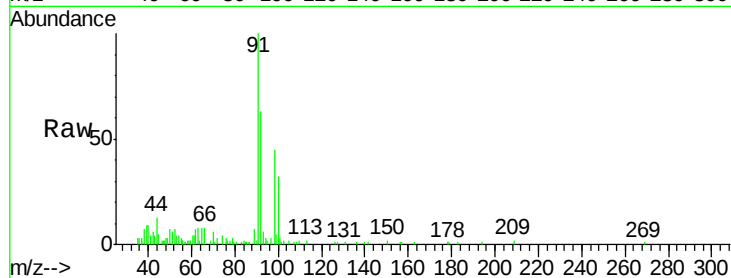
S32-0649

Tot Ion: 92 Resp: 5778

Ion Ratio Lower Upper

92 100

91 164.1 137.6 206.4



#62

4-Bromofluorobenzene

Concen: 49.251 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX006922.D

Acq: 04 Jan 2019 19:11

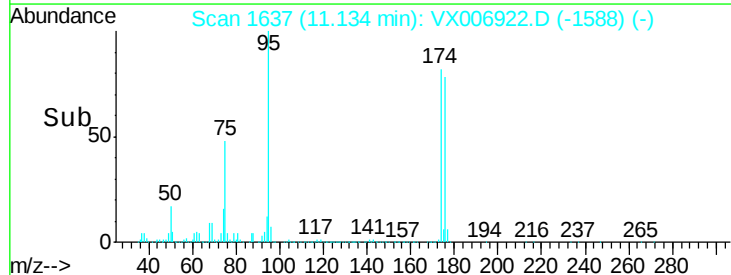
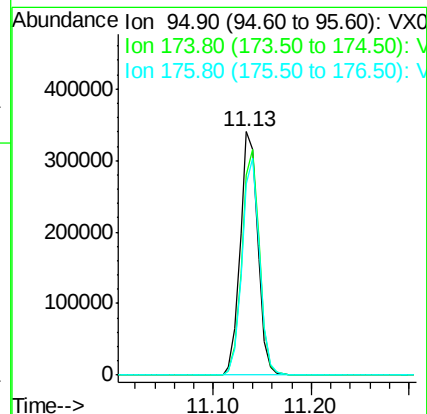
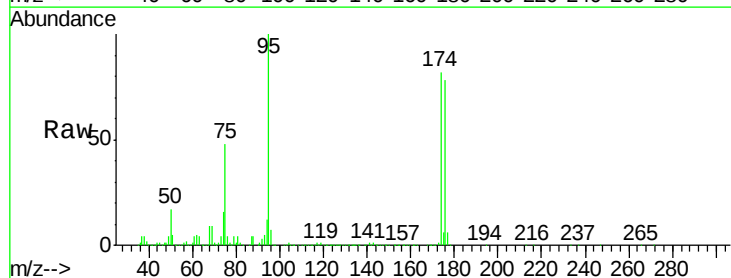
Tgt Ion: 95 Resp: 424761

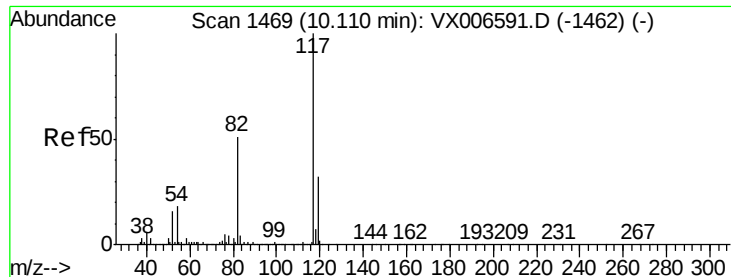
Ion Ratio Lower Upper

95 100

174 91.5 0.0 182.2

176 87.9 0.0 178.8

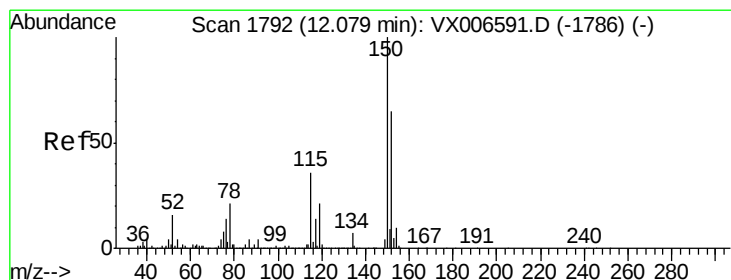
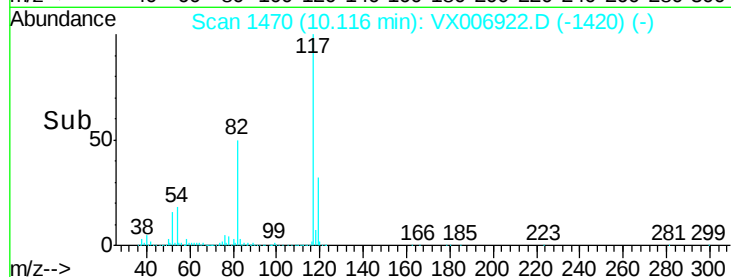
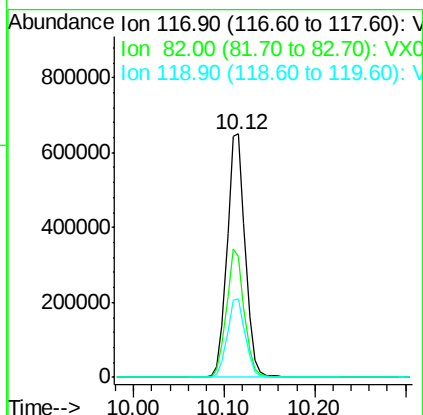
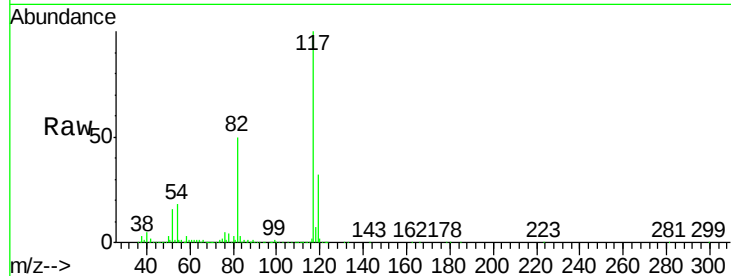




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006922.D
Acq: 04 Jan 2019 19:11

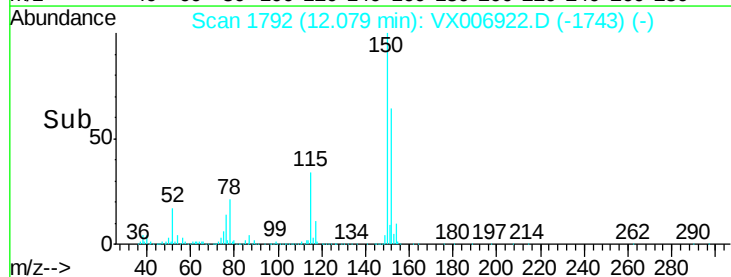
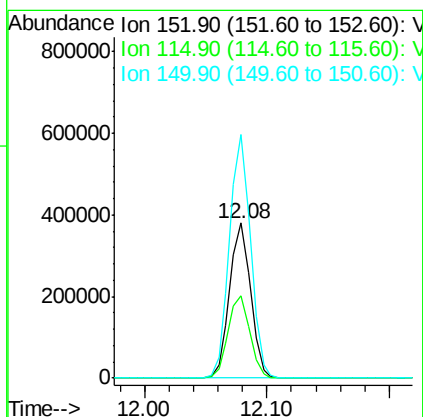
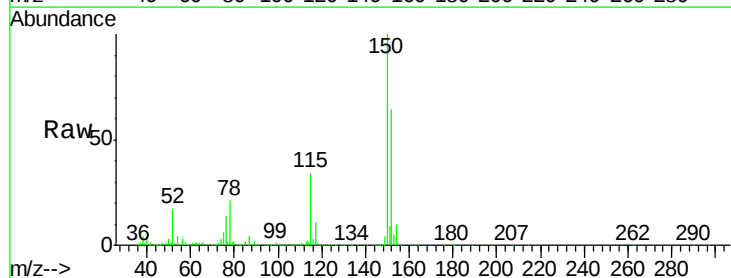
Instrument :
MSVOA_X
ClientSampleId :
S32-0649

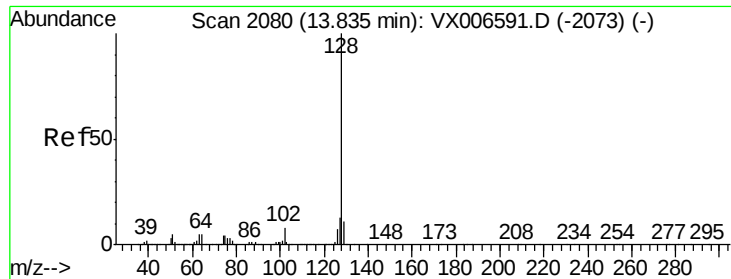
Tot Ion	Ratio	Lower	Upper
117	100		
82	49.5	41.0	61.6
119	32.5	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006922.D
Acq: 04 Jan 2019 19:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	39.1	117.2
150	157.6	0.0	344.8





#95
Naphthalene
Concen: 0.646 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006922.D
Acq: 04 Jan 2019 19:11

Instrument :
MSVOA_X
ClientSampleId :
S32-0649

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.9	10.1	15.1
129	12.2	8.6	13.0

