

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX043019\
 Data File : VX009241.D
 Acq On : 30 Apr 2019 13:20
 Operator : JC/SP
 Sample : K2618-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CARBON-DNM

Quant Time: May 01 01:21:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	182079	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.85	114	290424	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	258431	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	113705	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	110599	44.50	ug/l	0.00
Spiked Amount			Recovery	=	89.00%	
35) Dibromofluoromethane	5.52	113	68441	37.49	ug/l	0.02
Spiked Amount			Recovery	=	74.98%	
50) Toluene-d8	8.71	98	371156	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
62) 4-Bromofluorobenzene	11.14	95	124212	46.38	ug/l	0.00
Spiked Amount			Recovery	=	92.76%	

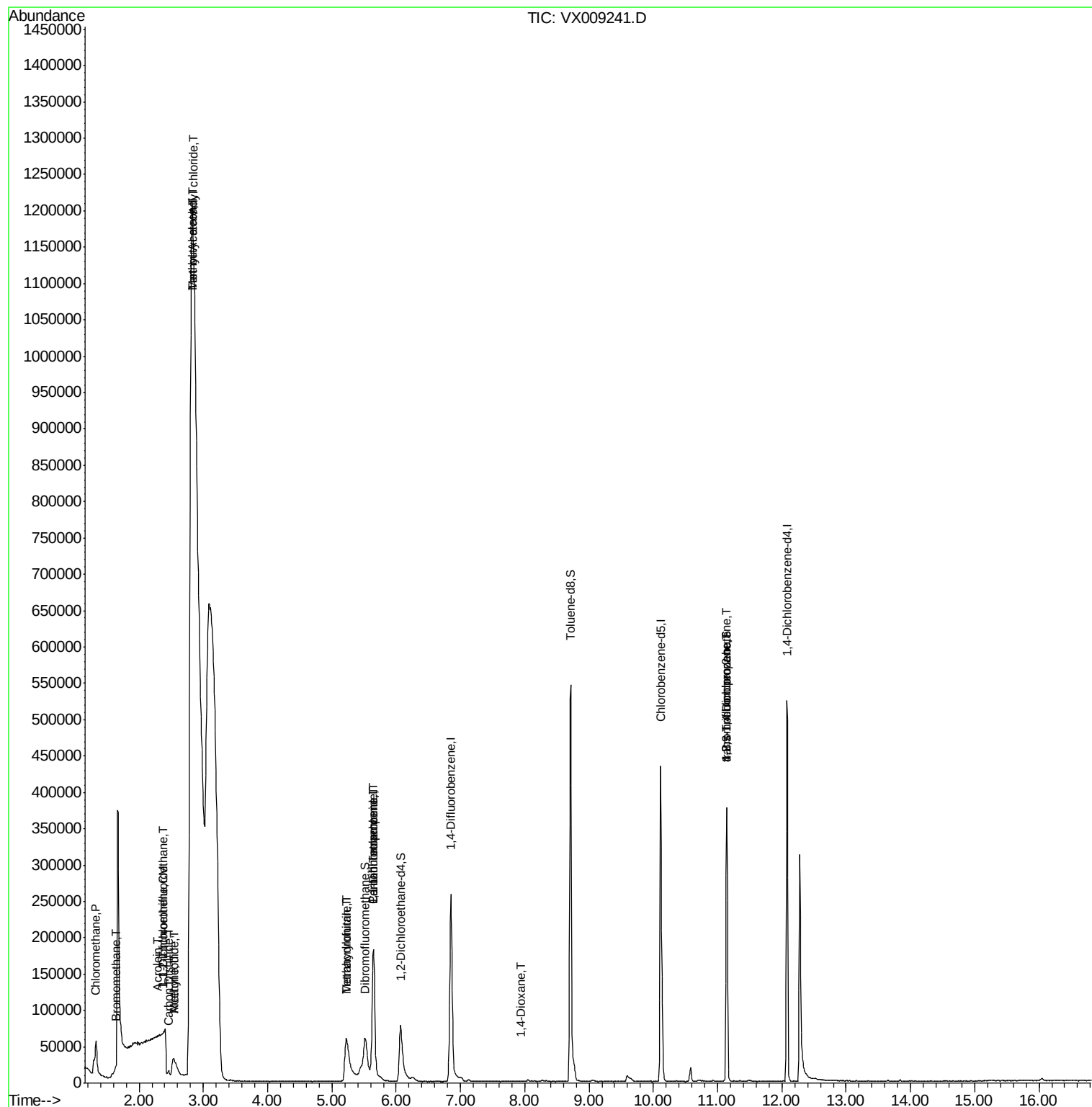
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	40479	17.671	ug/l	97
5) Bromomethane	1.64	94	1970	1.469	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.36	101	417	0.245	ug/l #	42
10) Methyl Iodide	2.54	142	85	4.633	ug/l #	1
11) Tert butyl alcohol	2.82	59	51449	89.421	ug/l #	73
12) 1,1-Dichloroethene	2.37	96	443	0.259	ug/l #	1
13) Acrolein	2.29	56	129	0.248	ug/l #	1
14) Allyl chloride	2.85	41	5284986	1269.377	ug/l #	48
16) Acetone	2.53	43	99779	74.759	ug/l	98
17) Carbon Disulfide	2.46	76	6522	1.360	ug/l #	93
18) Methyl Acetate	2.82	43	699692	220.437	ug/l	98
28) Bromochloromethane	4.99	49	19	Below Cal	#	20
29) Tetrahydrofuran	5.22	42	108019	80.935	ug/l	94
36) 1,1-Dichloropropene	5.65	75	14421	5.343	ug/l #	51
38) Carbon Tetrachloride	5.65	117	17118	6.981	ug/l #	16
41) Methacrylonitrile	5.23	41	49561	22.141	ug/l #	49
49) 1,4-Dioxane	7.94	88	19	0.314	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	63354	24.020	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.14	75	63354	61.459	ug/l #	10

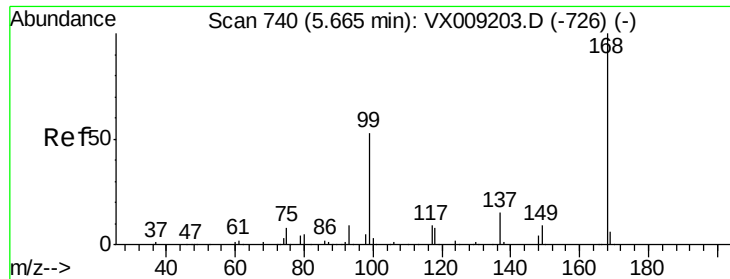
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:03:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 737

Delta R.T. -0.02 min

Lab File: VX009241.D

Acq: 30 Apr 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

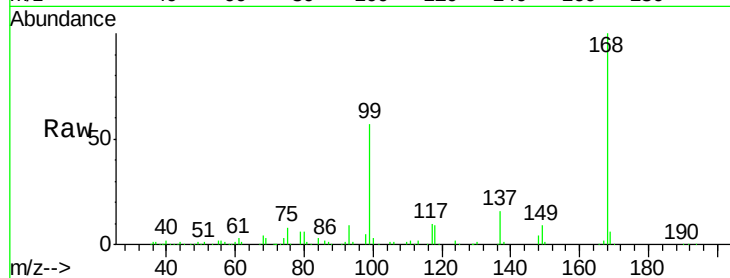
CARBON-DNM

Tot Ion:168 Resp: 182079

Ion Ratio Lower Upper

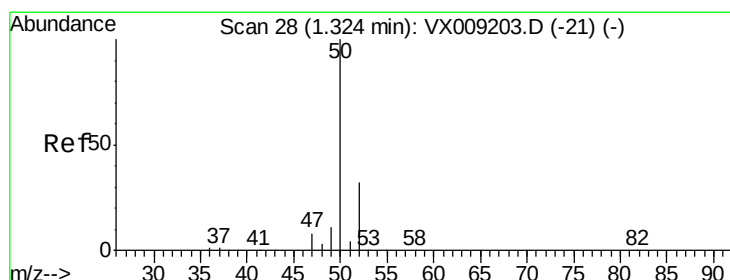
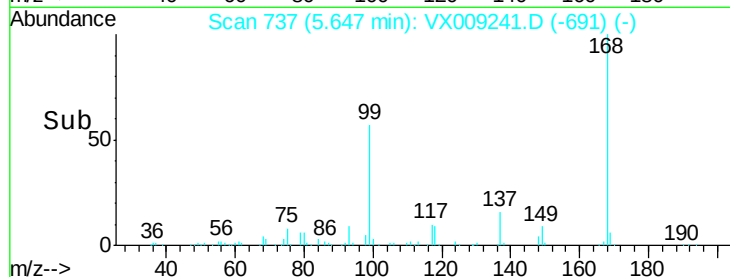
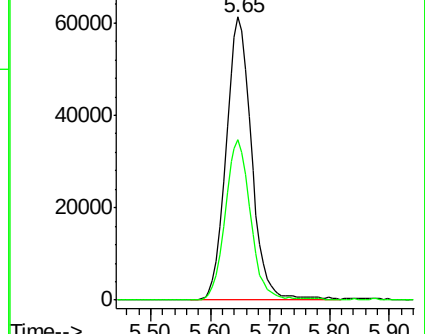
168 100

99 56.6 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 17.671 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009241.D

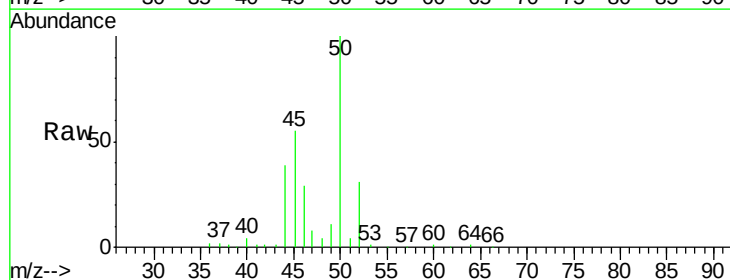
Acq: 30 Apr 2019 13:20

Tgt Ion: 50 Resp: 40479

Ion Ratio Lower Upper

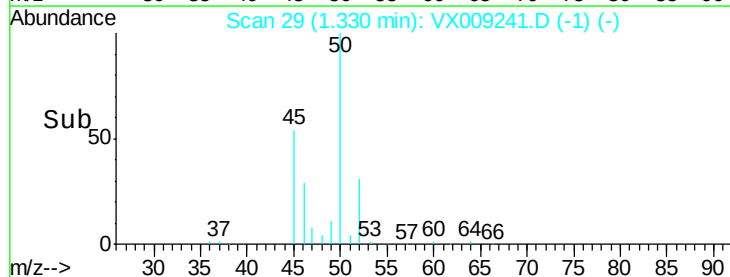
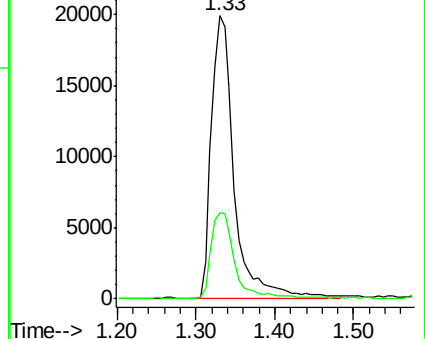
50 100

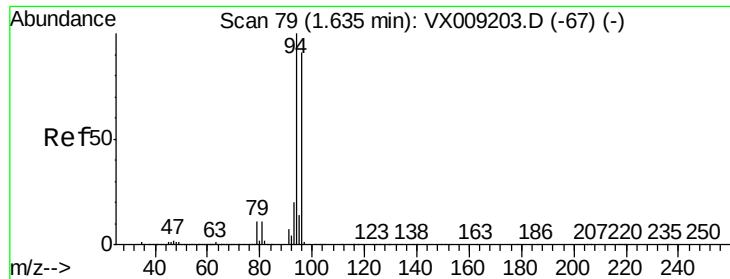
52 30.7 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 1.469 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009241.D

Acq: 30 Apr 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

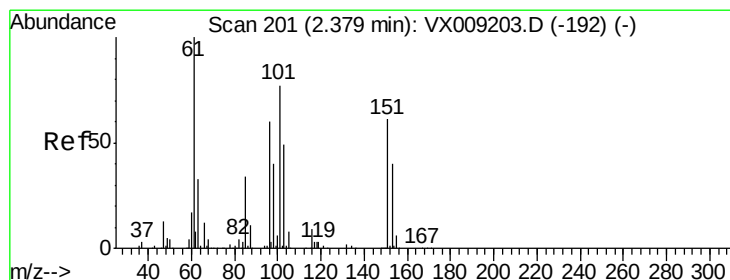
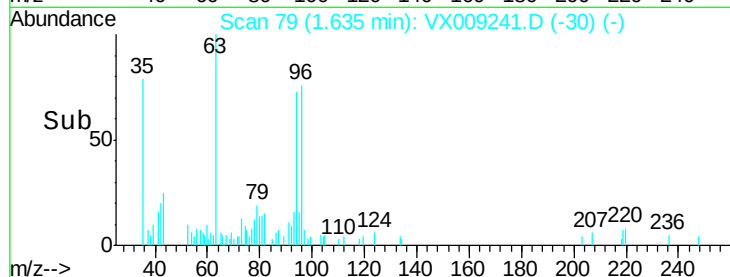
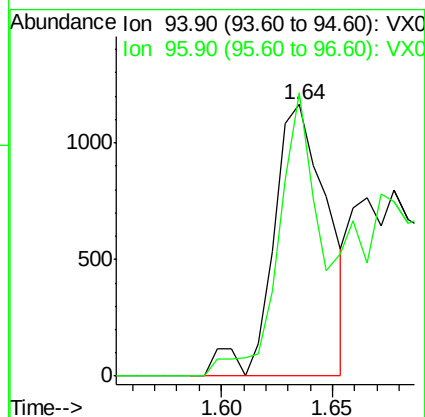
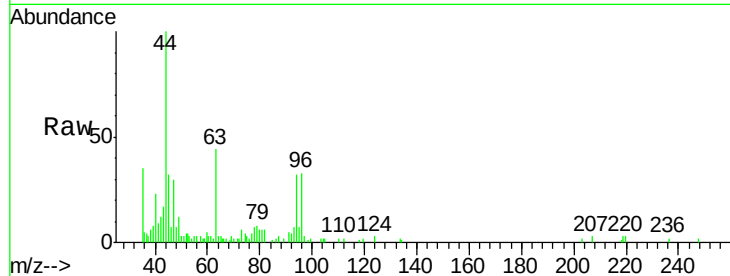
CARBON-DNM

Tot Ion: 94 Resp: 1970

Ion Ratio Lower Upper

94 100

96 104.1 73.0 109.6



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.245 ug/l

RT: 2.36 min Scan# 198

Delta R.T. -0.02 min

Lab File: VX009241.D

Acq: 30 Apr 2019 13:20

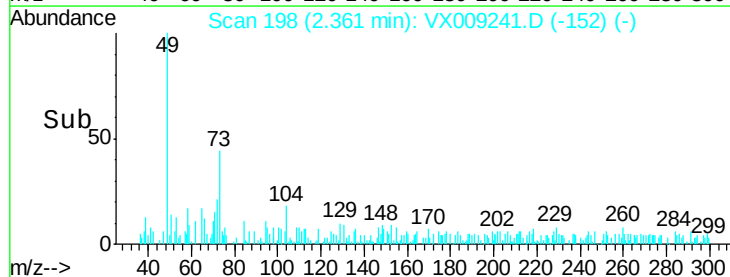
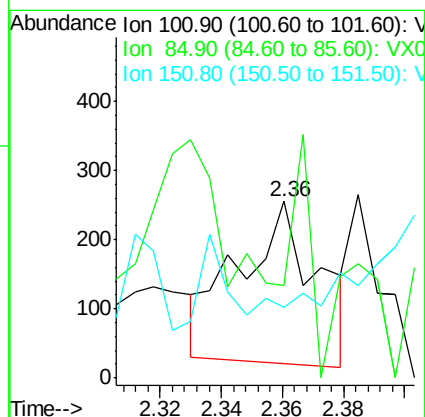
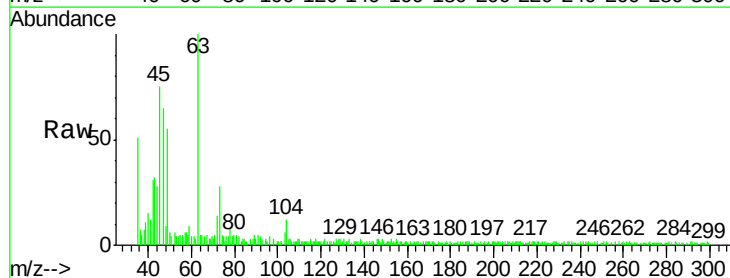
Tgt Ion: 101 Resp: 417

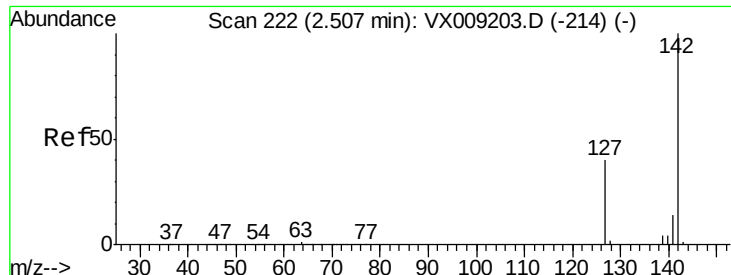
Ion Ratio Lower Upper

101 100

85 42.4 35.7 53.5

151 0.0 62.2 93.2#

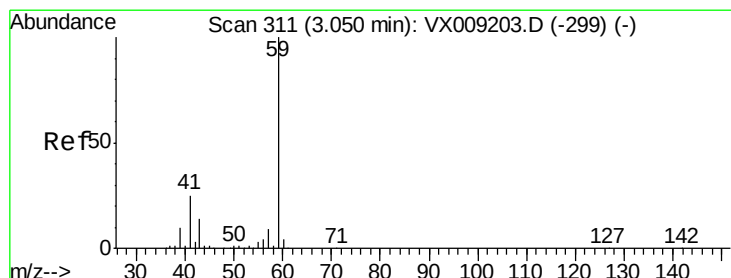
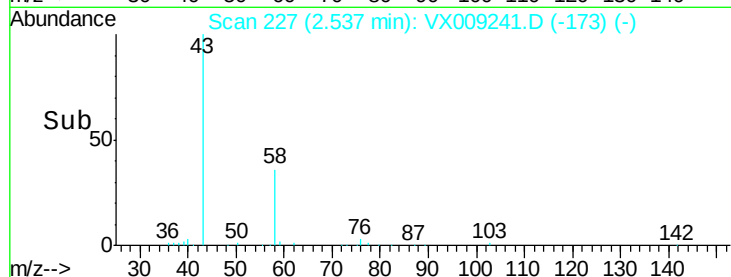
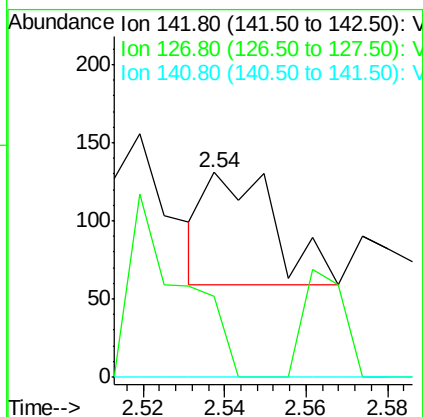
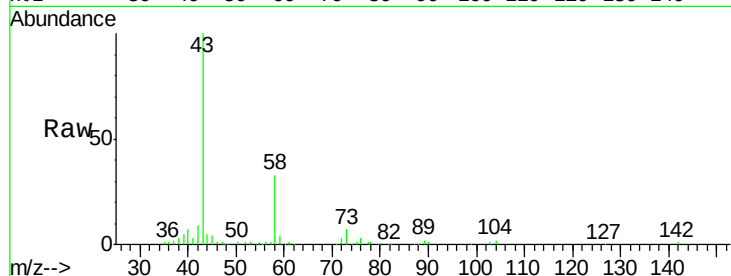




#10
Methvl Iodide
Concen: 4.633 ug/l
RT: 2.54 min Scan# 227
Delta R.T. 0.03 min
Lab File: VX009241.D
Acq: 30 Apr 2019 13:20

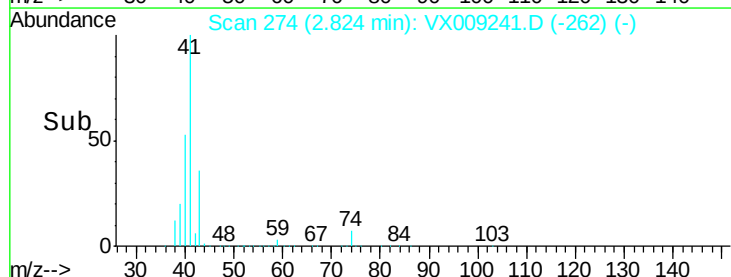
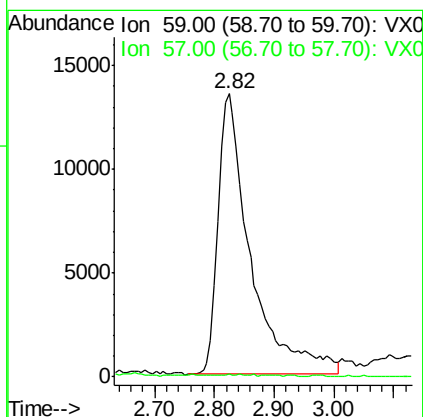
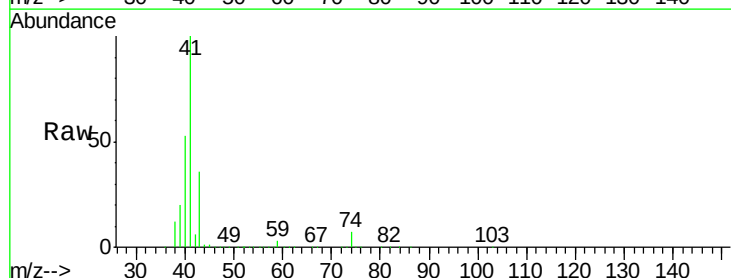
Instrument :
MSVOA_X
ClientSampleId :
CARBON-DNM

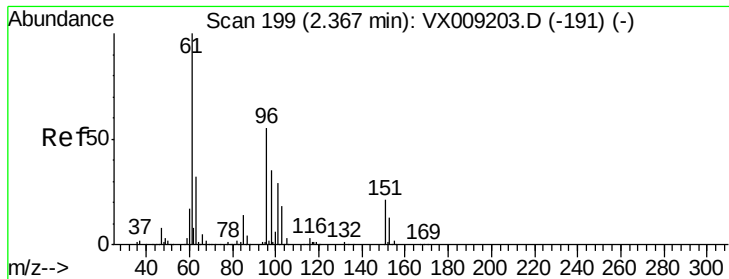
Tot Ion:142 Resp: 85
Ion Ratio Lower Upper
142 100
127 150.6 32.7 49.1#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 89.421 ug/l
RT: 2.82 min Scan# 274
Delta R.T. -0.23 min
Lab File: VX009241.D
Acq: 30 Apr 2019 13:20

Tgt Ion: 59 Resp: 51449
Ion Ratio Lower Upper
59 100
57 0.1 8.2 12.2#





#12

1,1-Dichloroethene

Concen: 0.259 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.01 min

Lab File: VX009241.D

Acq: 30 Apr 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

CARBON-DNM

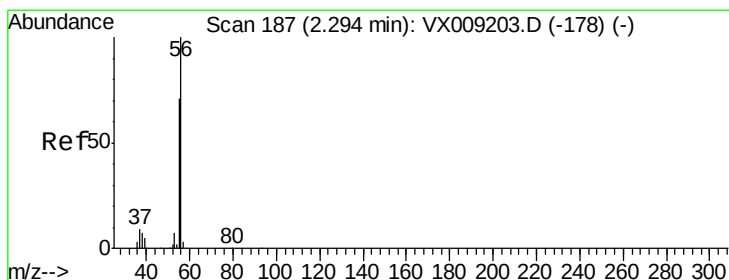
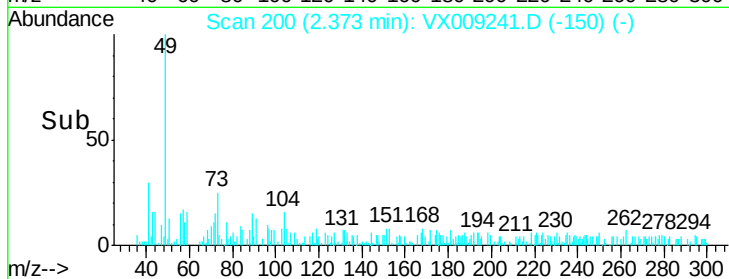
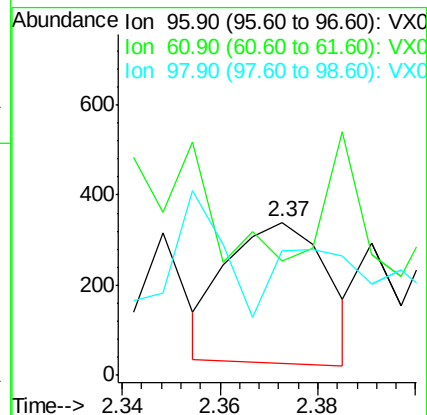
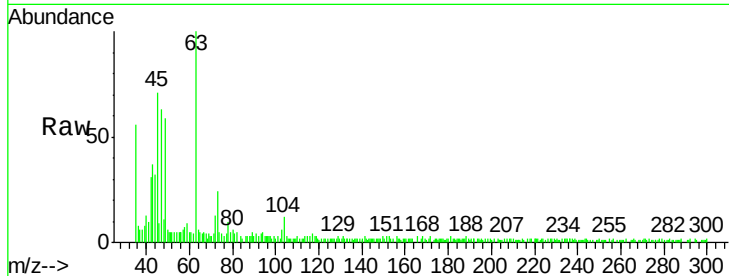
Tot Ion: 96 Resp: 443

Ion Ratio Lower Upper

96 100

61 0.0 144.3 216.5#

98 7.0 50.3 75.5#



#13

Acrolein

Concen: 0.248 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX009241.D

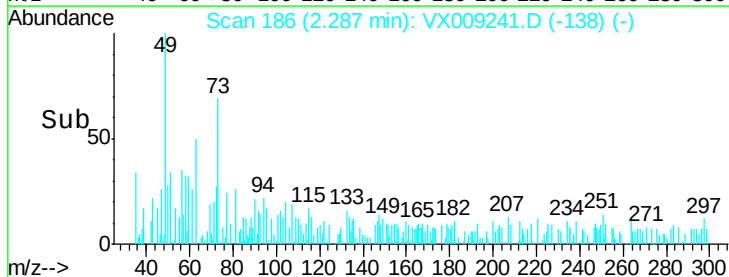
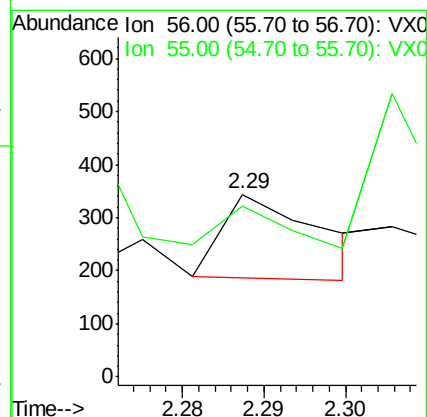
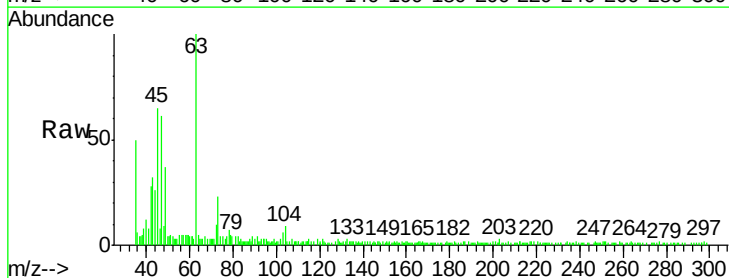
Acq: 30 Apr 2019 13:20

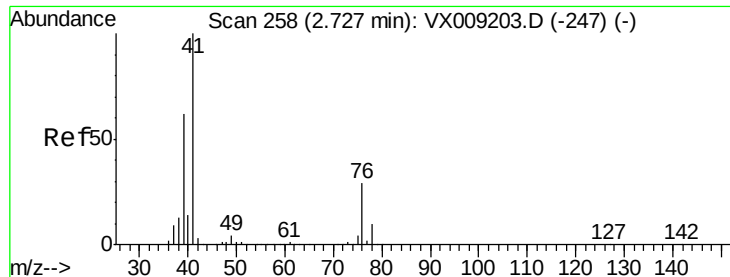
Tgt Ion: 56 Resp: 129

Ion Ratio Lower Upper

56 100

55 197.7 56.6 85.0#





#14

Allvl chloride

Concen: 1269.377 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.13 min

Lab File: VX009241.D

Acq: 30 Apr 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

CARBON-DNM

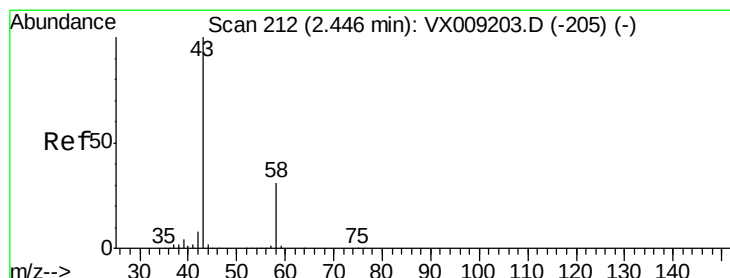
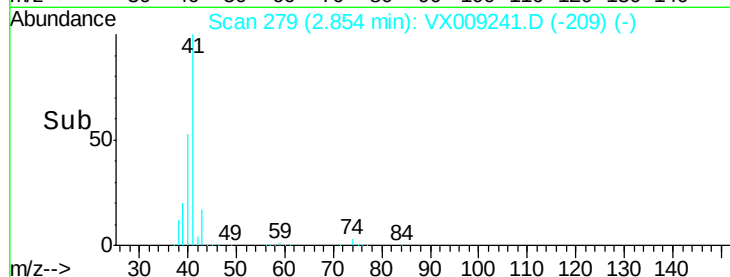
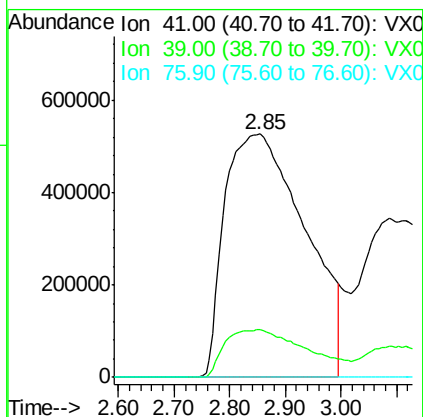
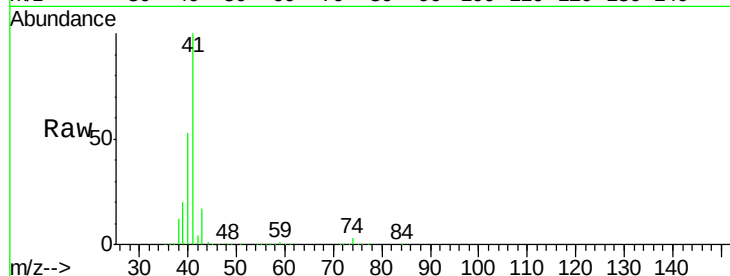
Tot Ion: 41 Resp: 5284986

Ion Ratio Lower Upper

41 100

39 19.4 46.7 70.1#

76 0.0 21.8 32.8#



#16

Acetone

Concen: 74.759 ug/l

RT: 2.53 min Scan# 226

Delta R.T. 0.08 min

Lab File: VX009241.D

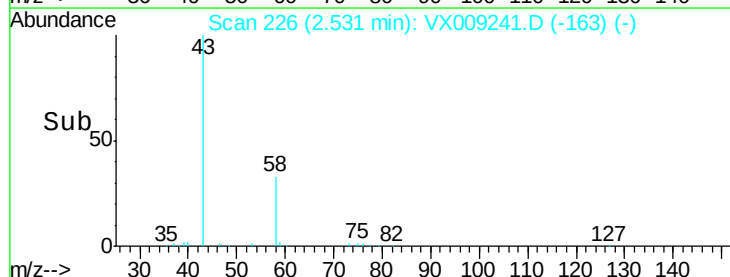
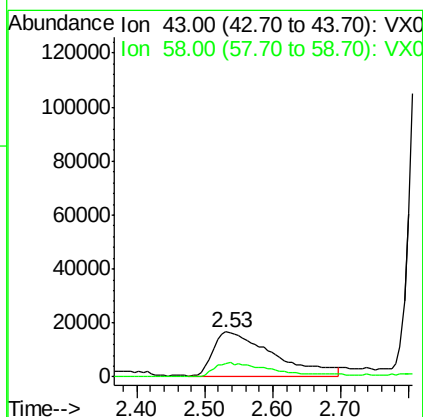
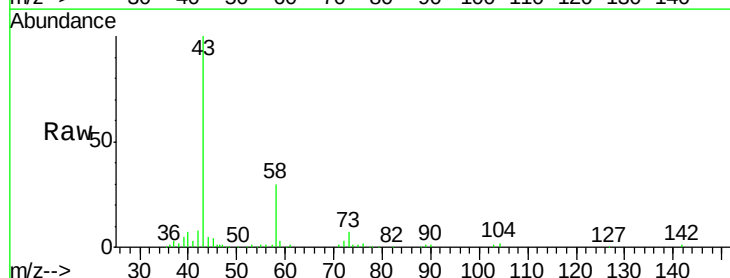
Acq: 30 Apr 2019 13:20

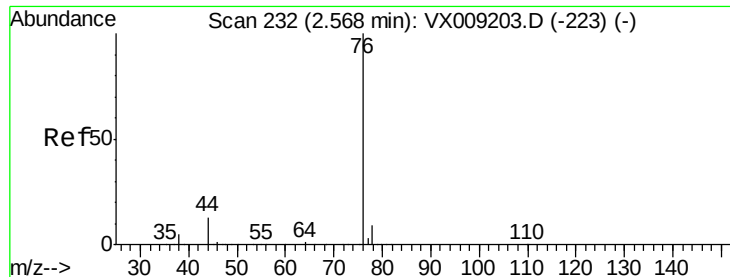
Tgt Ion: 43 Resp: 99779

Ion Ratio Lower Upper

43 100

58 29.9 24.9 37.3

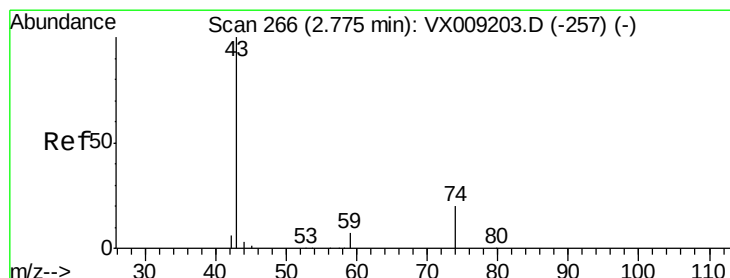
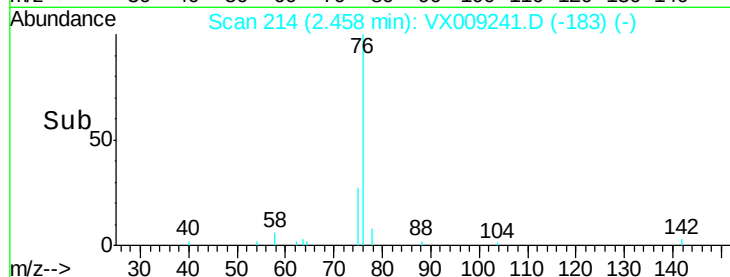
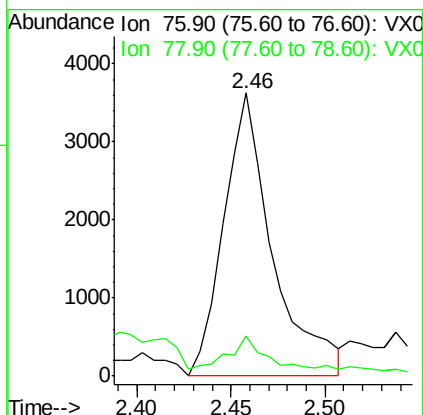
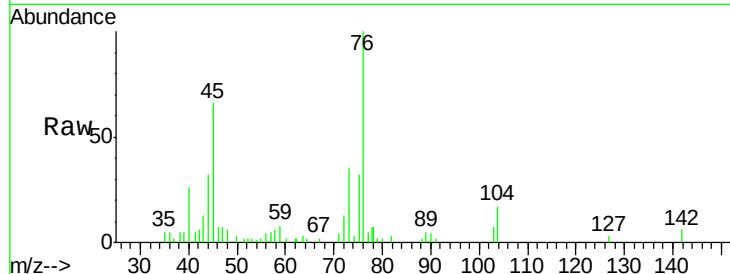




#17
Carbon Disulfide
Concen: 1.360 ug/l
RT: 2.46 min Scan# 214
Delta R.T. -0.11 min
Lab File: VX009241.D
Acq: 30 Apr 2019 13:20

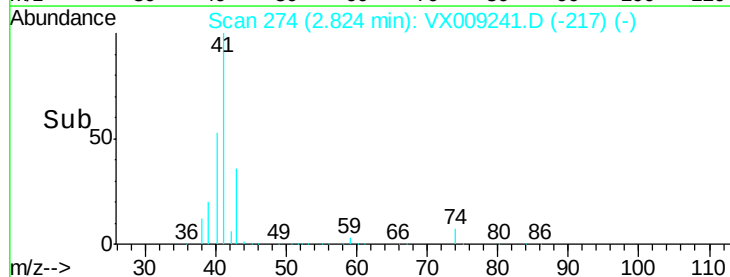
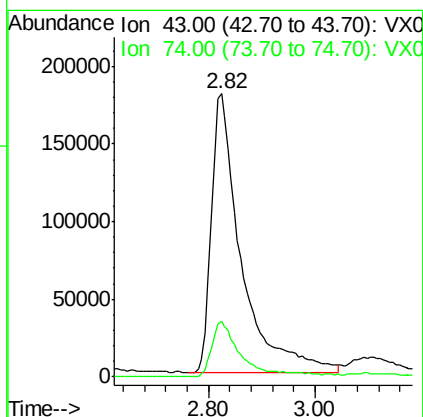
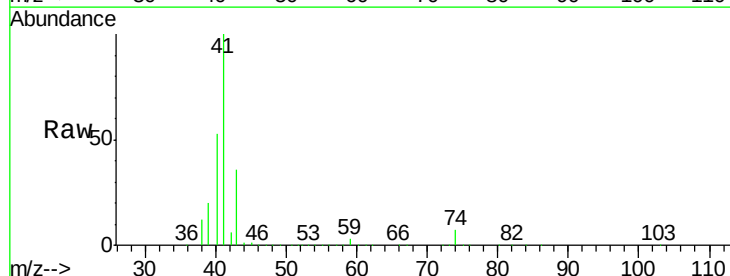
Instrument :
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CARBON-DNM

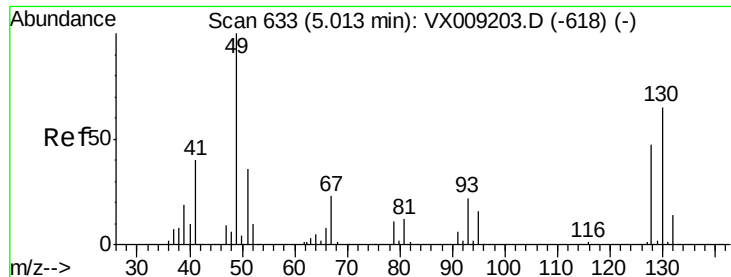
Tot Ion: 76 Resp: 6522
Ion Ratio Lower Upper
76 100
78 11.7 7.4 11.0#



#18
Methyl Acetate
Concen: 220.437 ug/l
RT: 2.82 min Scan# 274
Delta R.T. 0.05 min
Lab File: VX009241.D
Acq: 30 Apr 2019 13:20

Tgt Ion: 43 Resp: 699692
Ion Ratio Lower Upper
43 100
74 19.6 16.2 24.4





#28

Bromochloromethane

Concen: Below Cal

RT: 4.99 min Scan# 629

Delta R.T. -0.02 min

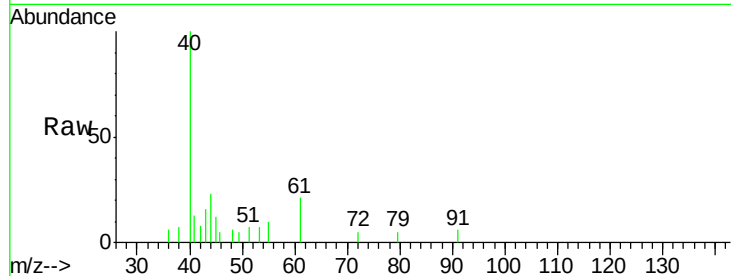
Lab File: VX009241.D

Acq: 30 Apr 2019 13:20

Instrument :
MSVOA_X
ClientSampleId :
CARBON-DNM

Tot Ion: 49 Resp: 19

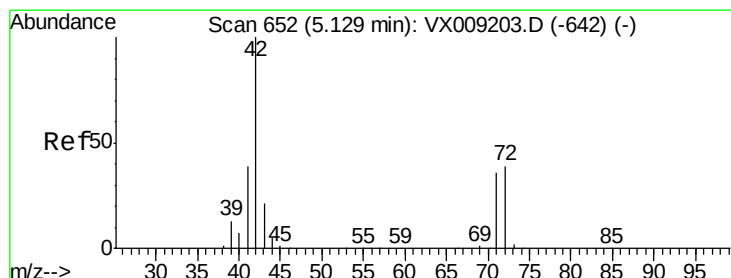
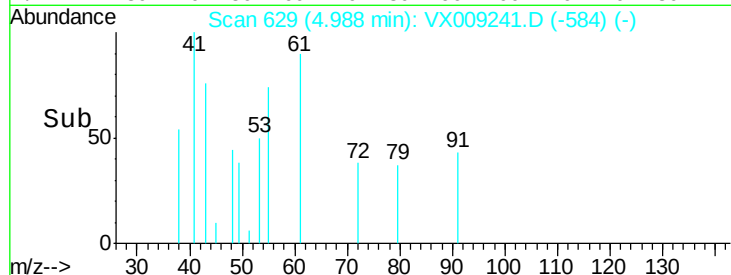
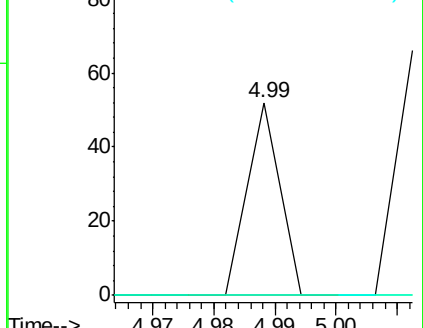
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	0.0	51.2	76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 80.935 ug/l

RT: 5.22 min Scan# 667

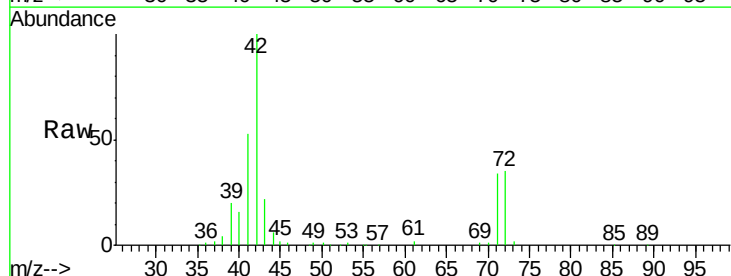
Delta R.T. 0.09 min

Lab File: VX009241.D

Acq: 30 Apr 2019 13:20

Tgt Ion: 42 Resp: 108019

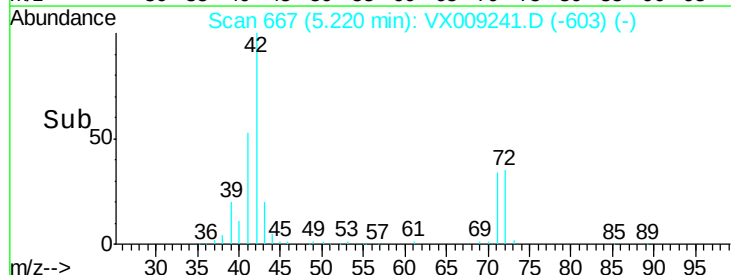
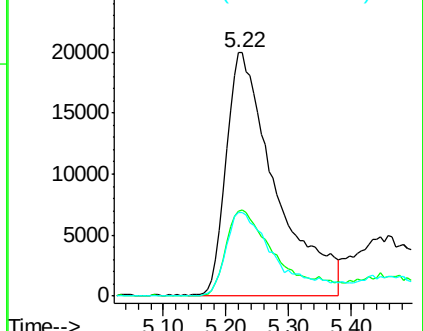
Ion	Ratio	Lower	Upper
42	100		
72	33.8	30.4	45.6
71	33.1	28.6	43.0

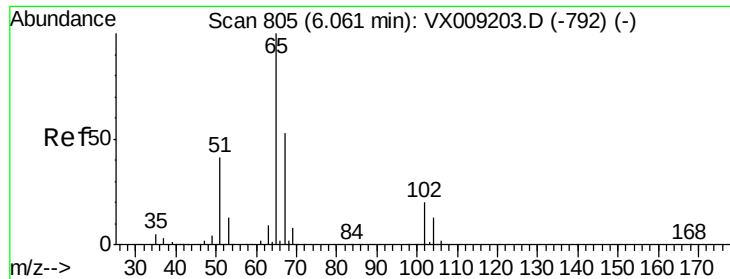


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

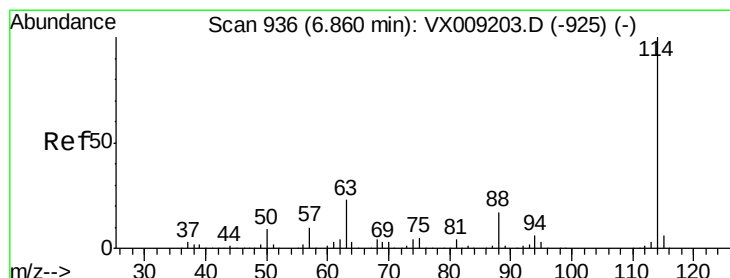
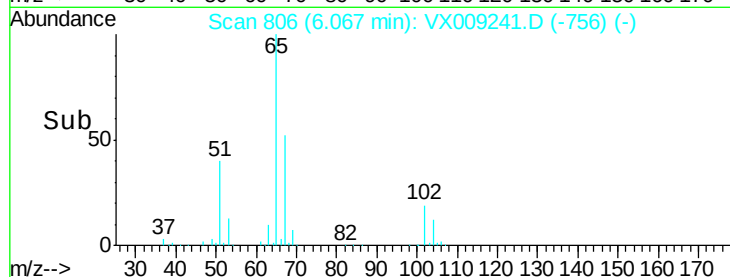
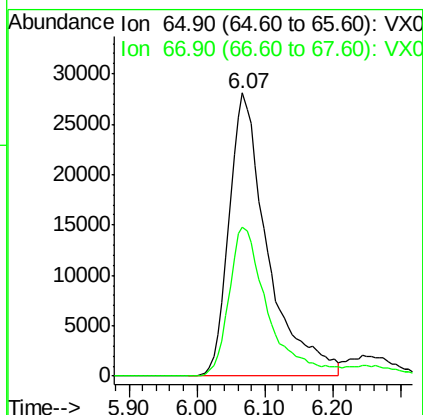
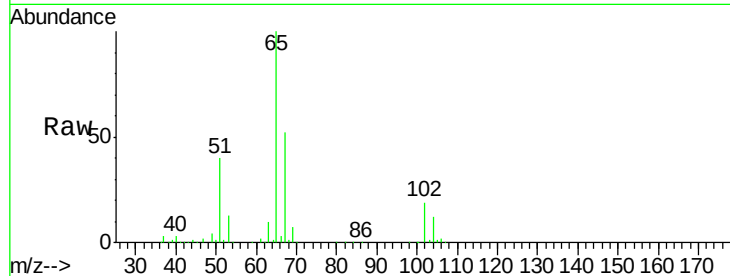




#33
 1,2-Dichloroethane-d4
 Concen: 44.496 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX009241.D
 Acq: 30 Apr 2019 13:20

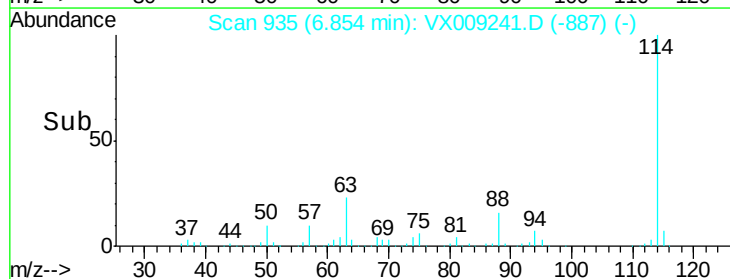
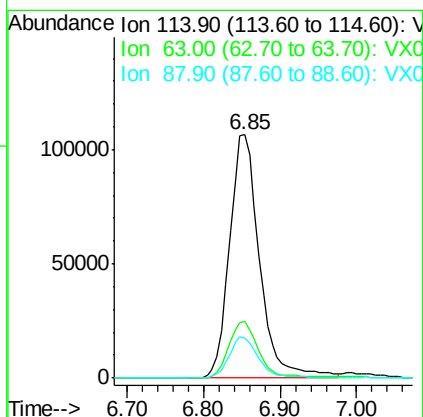
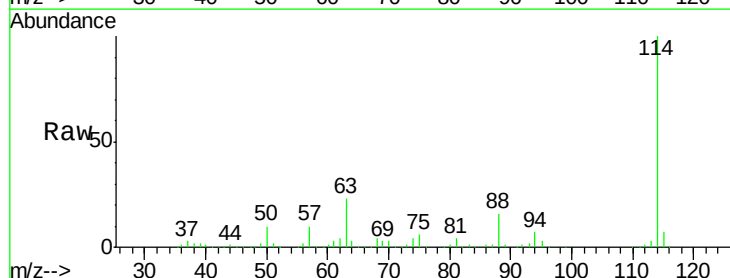
Instrument :
 MSVOA_X
 ClientSampleId :
 CARBON-DNM

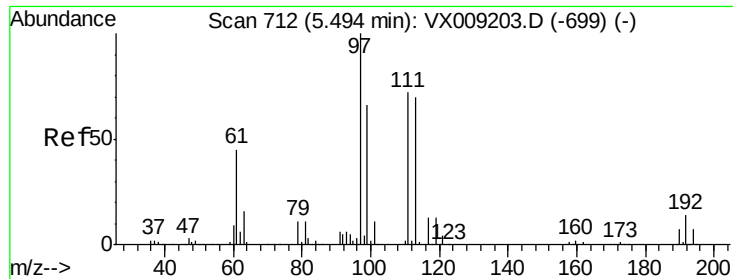
Tot Ion: 65 Resp: 110599
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX009241.D
 Acq: 30 Apr 2019 13:20

Tgt Ion: 114 Resp: 290424
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 45.6
 88 16.3 0.0 33.2





#35

Dibromofluoromethane

Concen: 37.487 ug/l

RT: 5.52 min Scan# 716

Delta R.T. 0.02 min

Lab File: VX009241.D

Acq: 30 Apr 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

CARBON-DNM

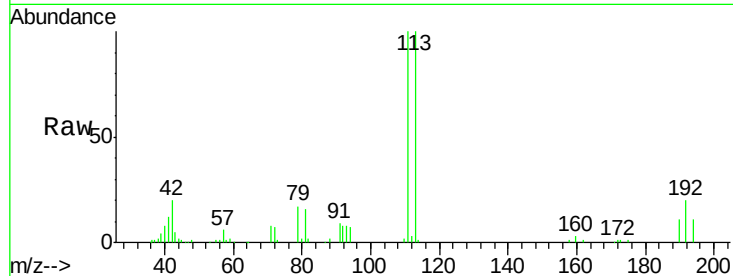
Tot Ion:113 Resp: 68441

Ion Ratio Lower Upper

113 100

111 102.7 82.8 124.2

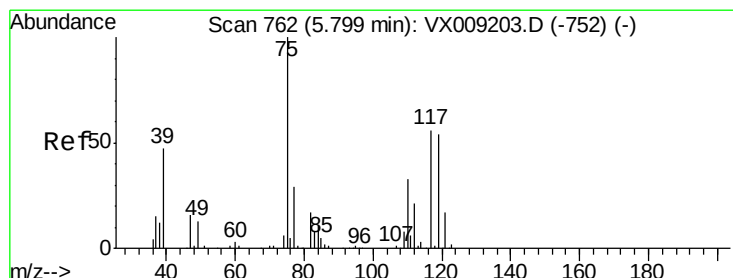
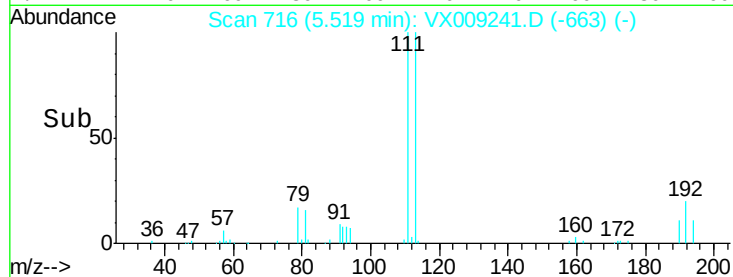
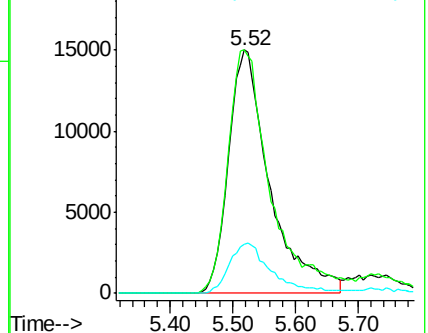
192 21.1 17.0 25.6



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: 5.343 ug/l

RT: 5.65 min Scan# 737

Delta R.T. -0.15 min

Lab File: VX009241.D

Acq: 30 Apr 2019 13:20

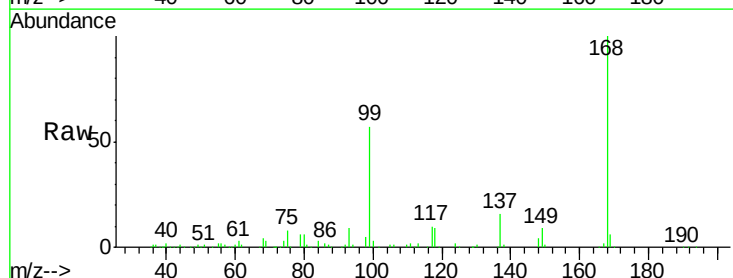
Tgt Ion: 75 Resp: 14421

Ion Ratio Lower Upper

75 100

110 9.7 16.9 50.6#

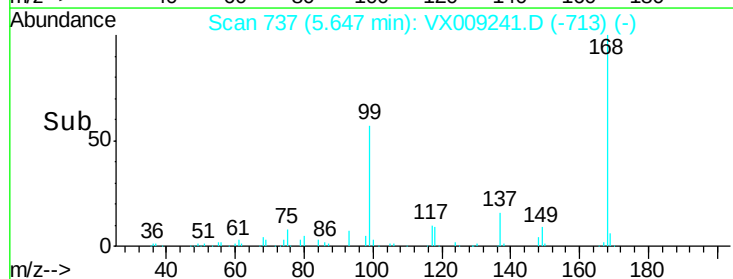
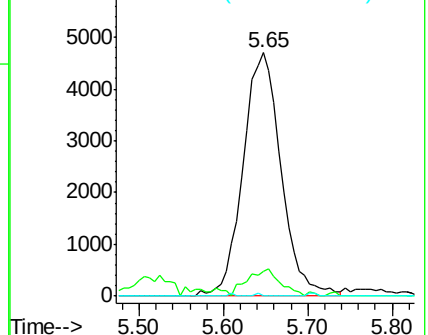
77 0.1 24.8 37.2#

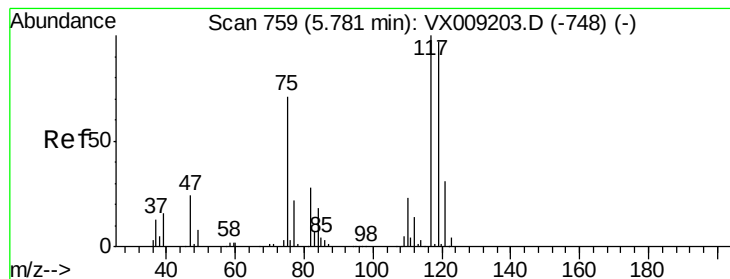


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.981 ug/l

RT: 5.65 min Scan# 737

Delta R.T. -0.13 min

Lab File: VX009241.D

Acq: 30 Apr 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

CARBON-DNM

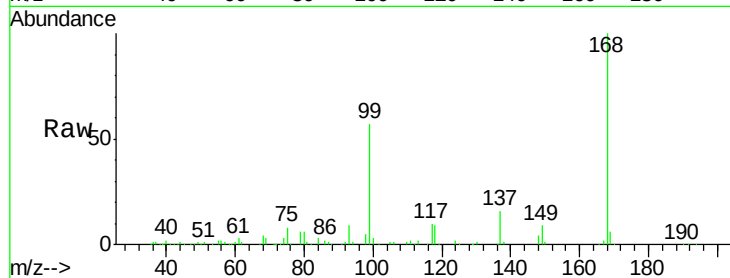
Tot Ion:117 Resp: 17118

Ion Ratio Lower Upper

117 100

119 5.1 77.5 116.3#

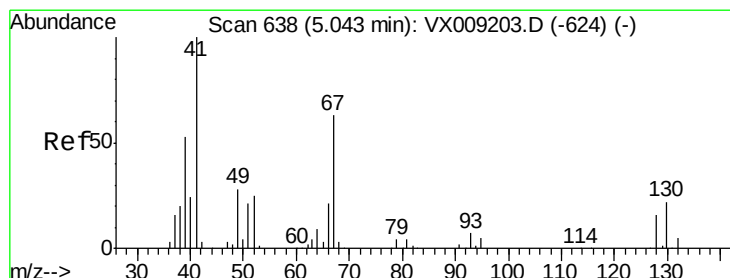
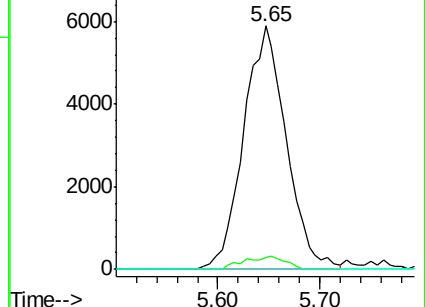
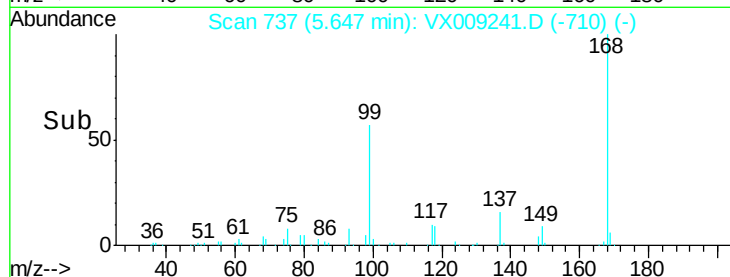
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 22.141 ug/l

RT: 5.23 min Scan# 668

Delta R.T. 0.18 min

Lab File: VX009241.D

Acq: 30 Apr 2019 13:20

Tgt Ion: 41 Resp: 49561

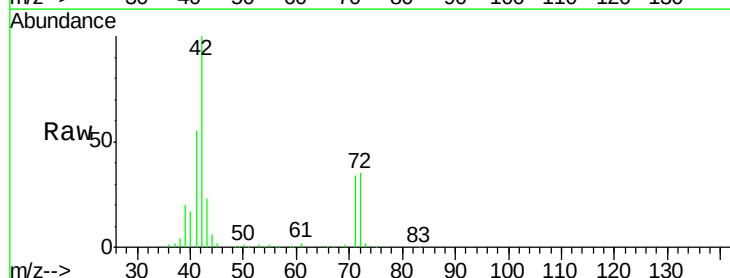
Ion Ratio Lower Upper

41 100

39 40.6 42.0 63.0#

67 0.0 49.8 74.8#

52 0.1 20.3 30.5#

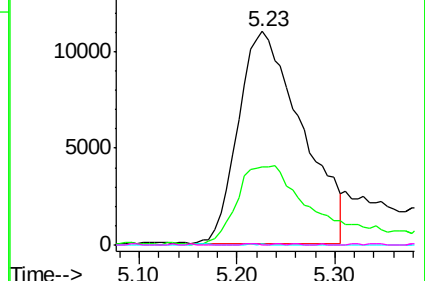
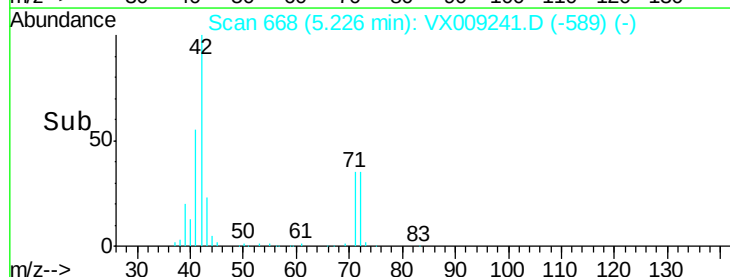


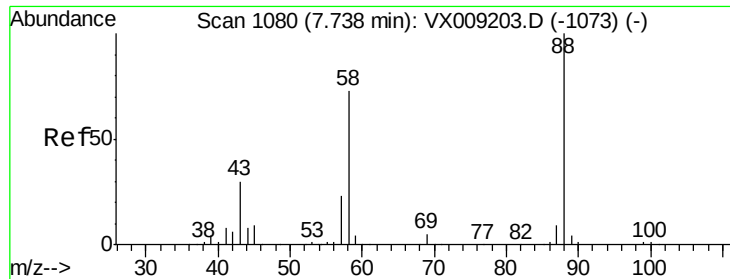
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

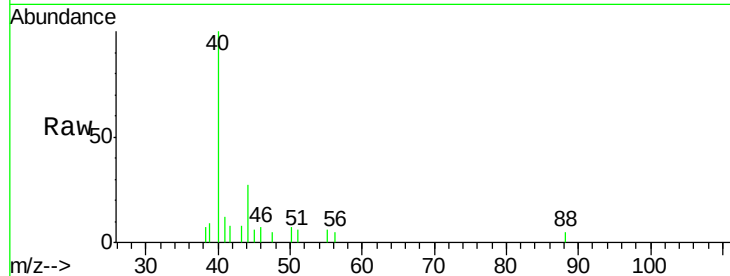




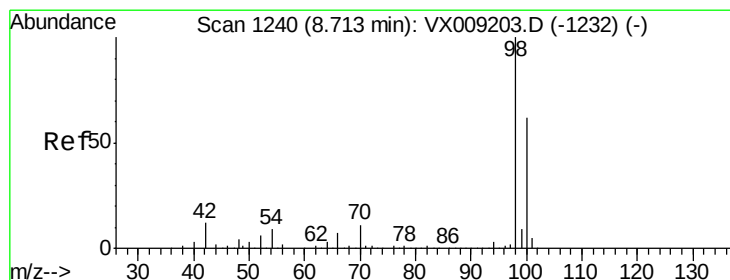
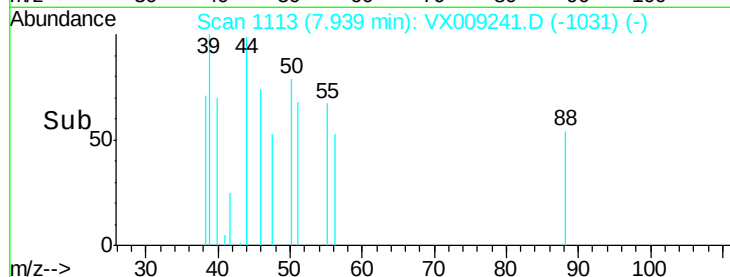
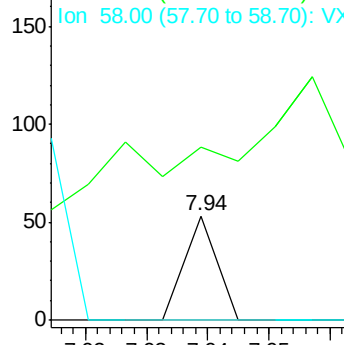
#49
1,4-Dioxane
Concen: 0.314 ug/l
RT: 7.94 min Scan# 1113
Delta R.T. 0.20 min
Lab File: VX009241.D
Acq: 30 Apr 2019 13:20

Instrument :
MSVOA_X
ClientSampleId :
CARBON-DNM

Tot Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 126.3 28.6 42.8#
58 0.0 61.7 92.5#

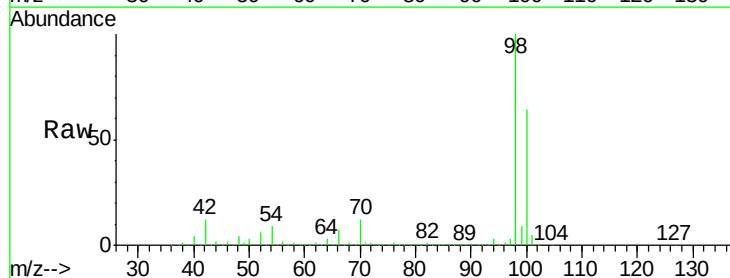


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

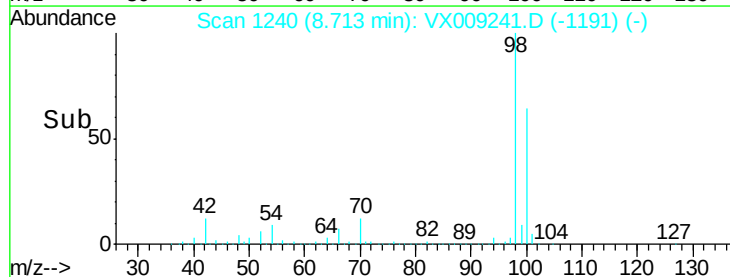
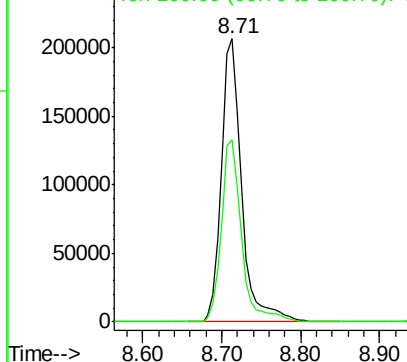


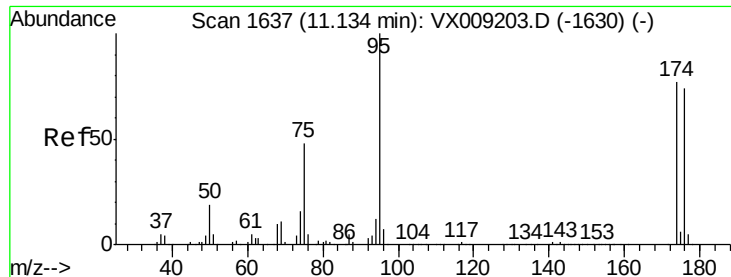
#50
Toluene-d8
Concen: 50.354 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009241.D
Acq: 30 Apr 2019 13:20

Tgt Ion: 98 Resp: 371156
Ion Ratio Lower Upper
98 100
100 64.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 46.377 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX009241.D

Acq: 30 Apr 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

CARBON-DNM

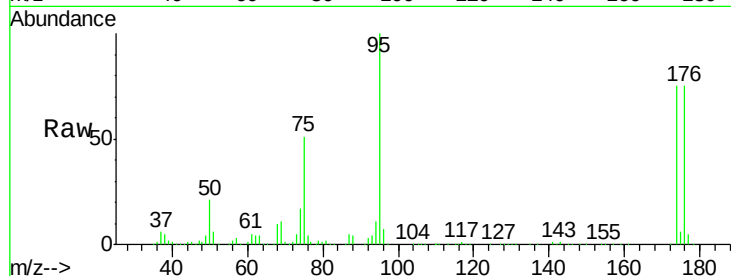
Tot Ion: 95 Resp: 124212

Ion Ratio Lower Upper

95 100

174 79.4 0.0 161.6

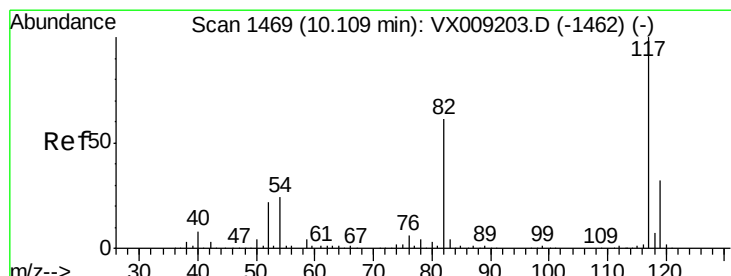
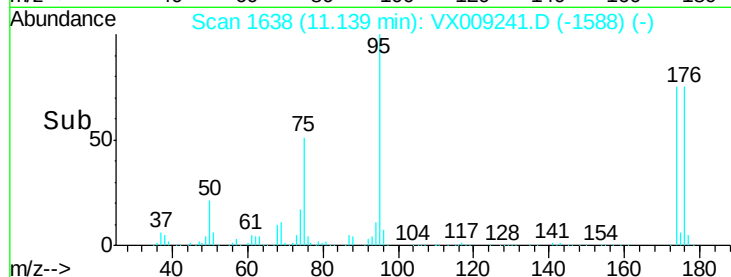
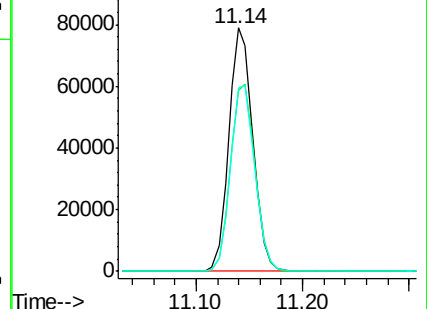
176 78.2 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009203.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX009203.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX009203.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX009241.D

Acq: 30 Apr 2019 13:20

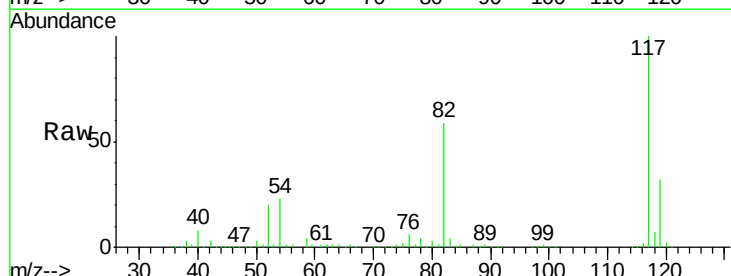
Tgt Ion: 117 Resp: 258431

Ion Ratio Lower Upper

117 100

82 59.3 48.8 73.2

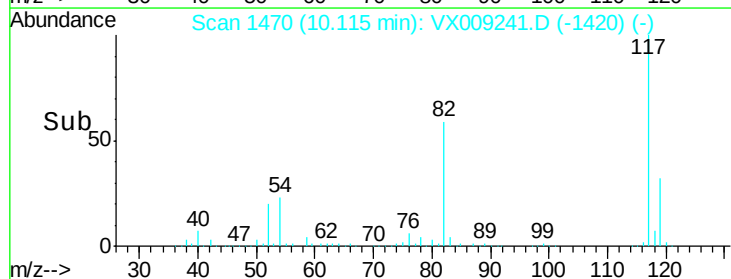
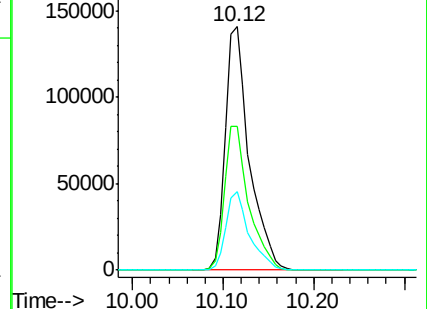
119 32.2 25.8 38.6

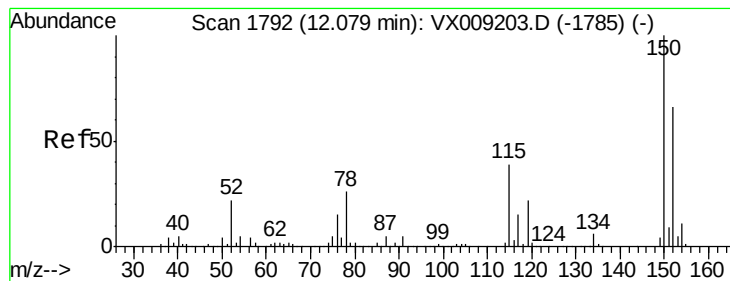


Abundance Ion 116.90 (116.60 to 117.60): VX009203.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX009203.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX009203.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009241.D

Acq: 30 Apr 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

CARBON-DNM

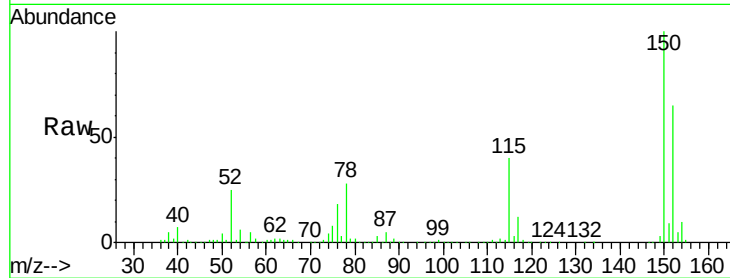
Tot Ion:152 Resp: 113705

Ion Ratio Lower Upper

152 100

115 59.1 41.2 123.6

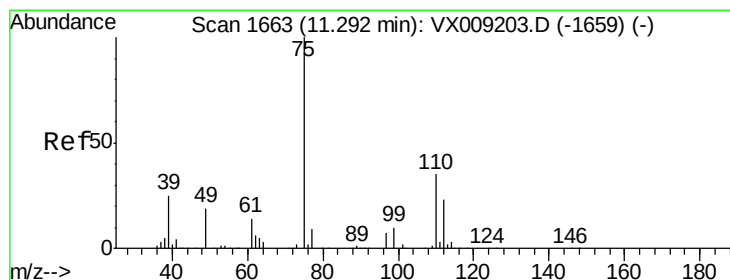
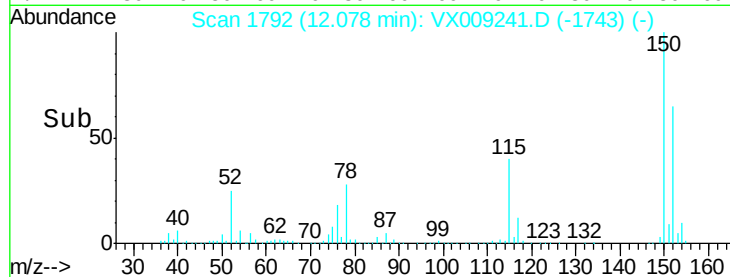
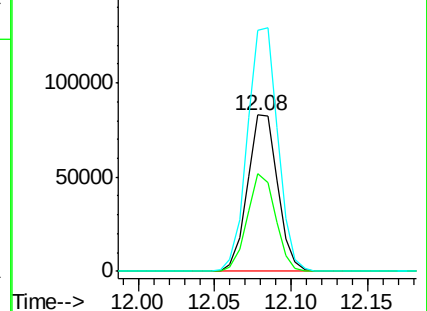
150 156.9 0.0 346.4



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: 24.020 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.15 min

Lab File: VX009241.D

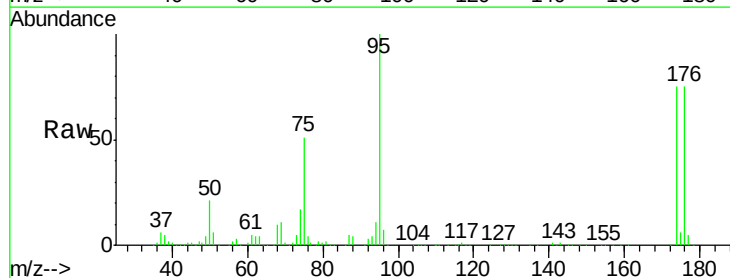
Acq: 30 Apr 2019 13:20

Tgt Ion: 75 Resp: 63354

Ion Ratio Lower Upper

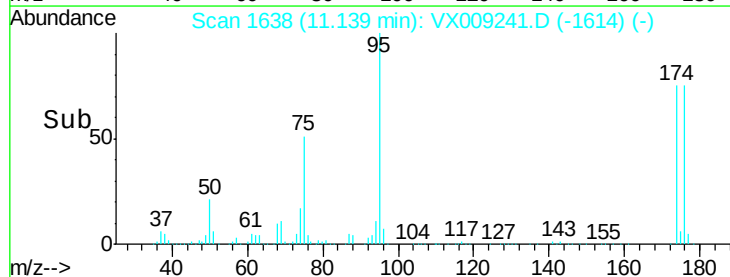
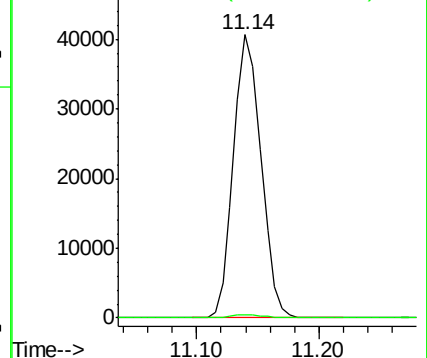
75 100

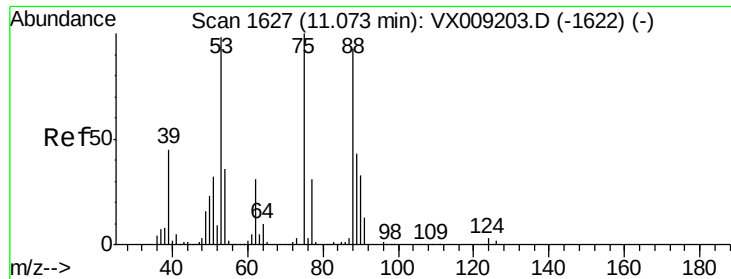
77 1.3 22.1 66.1#



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: 61.459 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX009241.D

Acq: 30 Apr 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

CARBON-DNM

Tot Ion: 75 Resp: 63354

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#

