

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100719\
 Data File : VX012865.D
 Acq On : 08 Oct 2019 02:53
 Operator : JC/SP
 Sample : K5216-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0561

Quant Time: Oct 08 11:17:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

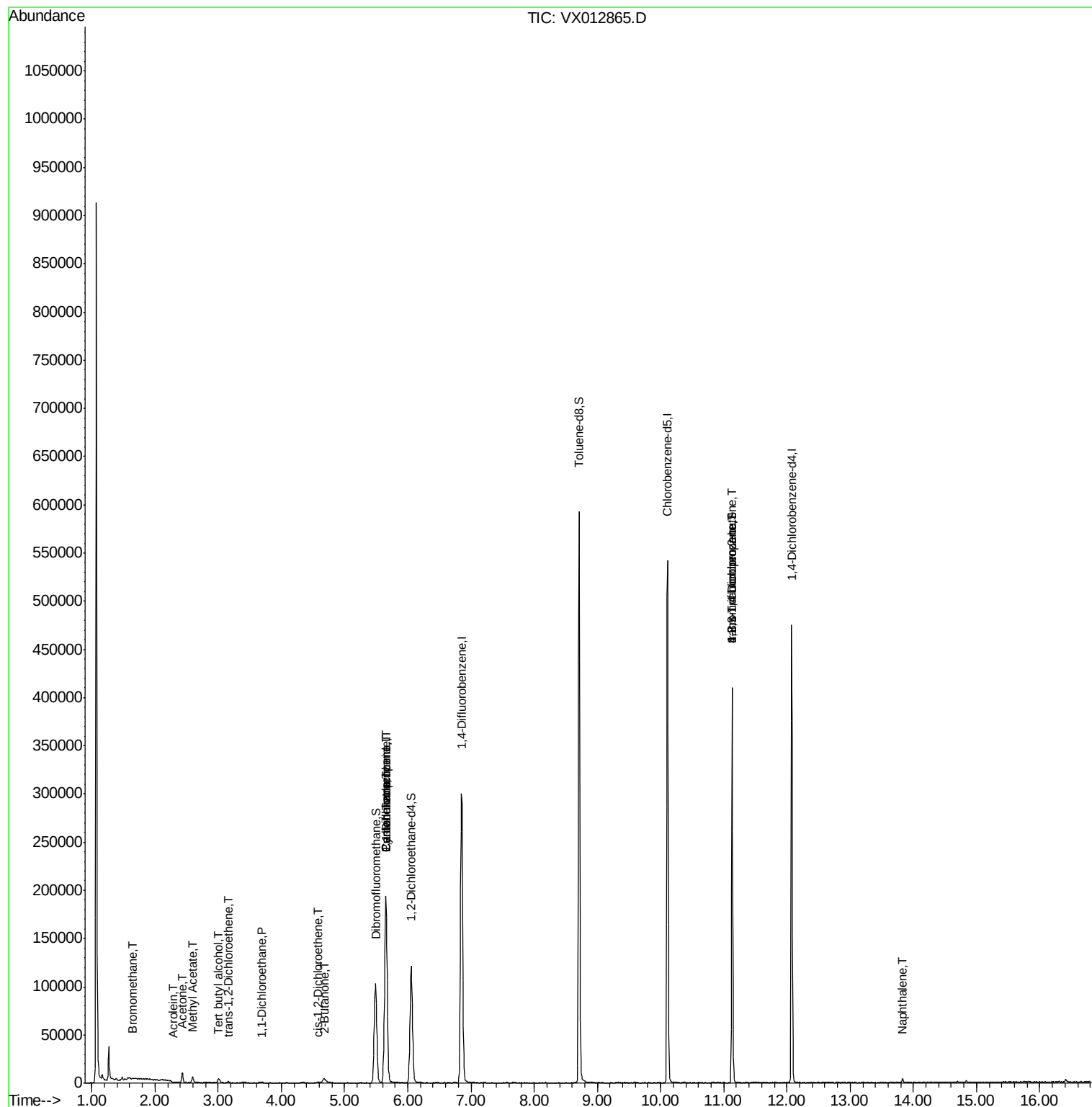
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	178292	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	300502	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	251485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	93359	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	116674	44.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.88%	
35) Dibromofluoromethane	5.49	113	90302	50.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.92%	
50) Toluene-d8	8.71	98	351073	50.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.88%	
62) 4-Bromofluorobenzene	11.14	95	115339	42.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.12%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.64	94	226	0.251	ug/l	100
11) Tert butyl alcohol	3.00	59	2993	4.615	ug/l #	72
13) Acrolein	2.29	56	187	10.729	ug/l #	72
16) Acetone	2.43	43	10204	7.420	ug/l	97
18) Methyl Acetate	2.59	43	2104	0.650	ug/l #	54
21) trans-1,2-Dichloroethene	3.15	96	509	0.240	ug/l #	68
24) 1,1-Dichloroethane	3.69	63	853	0.214	ug/l #	81
25) 2-Butanone	4.67	43	3770	1.912	ug/l #	88
27) cis-1,2-Dichloroethene	4.58	96	654	0.265	ug/l	85
31) Cyclohexane	5.65	56	4059	1.123	ug/l #	2
36) 1,1-Dichloropropene	5.65	75	14357	4.957	ug/l #	52
38) Carbon Tetrachloride	5.65	117	18256	6.205	ug/l #	18
76) 1,2,3-Trichloropropane	11.14	75	58320	23.615	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	58320	67.676	ug/l #	8
95) Naphthalene	13.83	128	2782	0.407	ug/l #	92

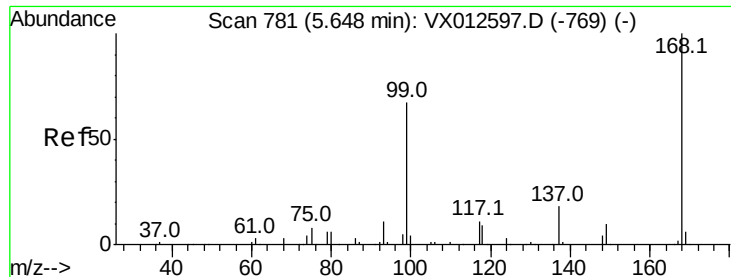
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 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: VX012865.D

Acq: 08 Oct 2019 02:53

Instrument :

MSVOA_X

ClientSampleId :

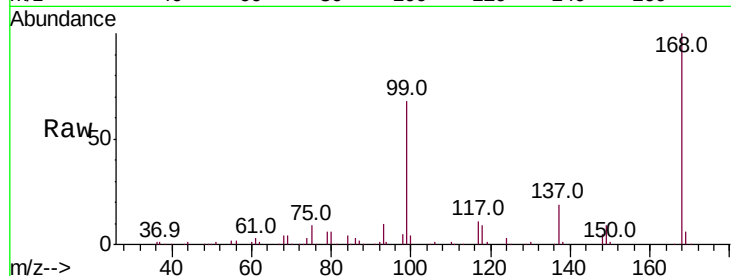
S49-0561

Tot Ion:168 Resp: 178292

Ion Ratio Lower Upper

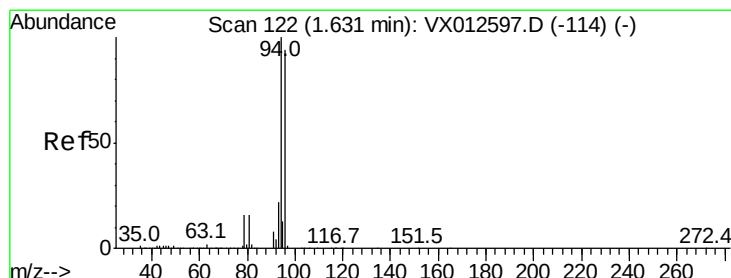
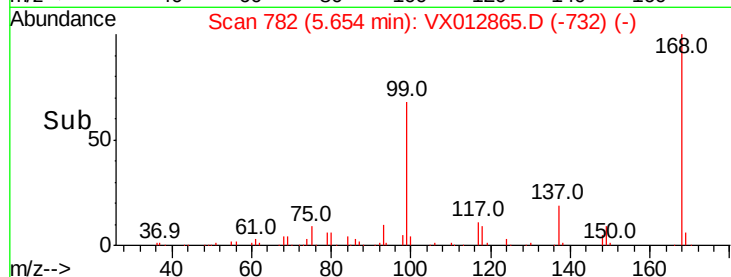
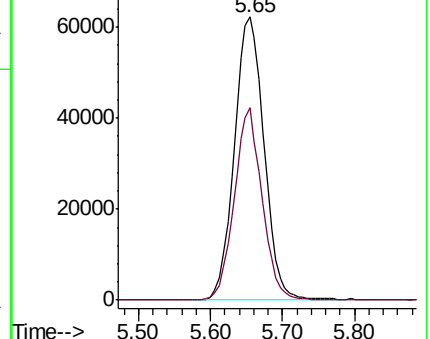
168 100

99 68.2 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.251 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012865.D

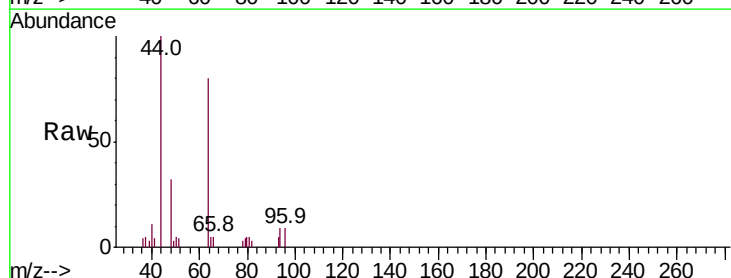
Acq: 08 Oct 2019 02:53

Tgt Ion: 94 Resp: 226

Ion Ratio Lower Upper

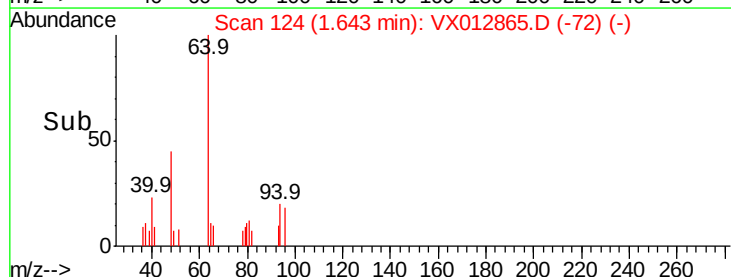
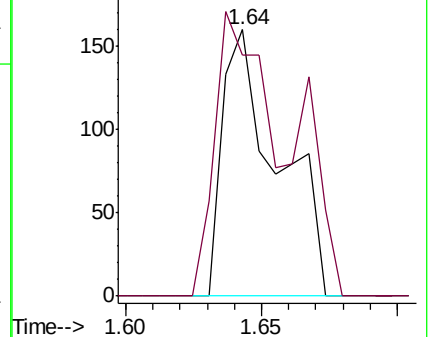
94 100

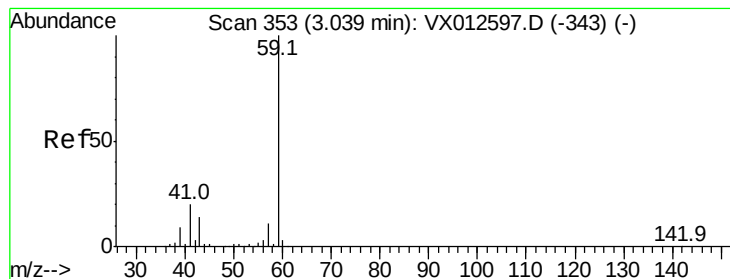
96 90.6 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#11

Tert butyl alcohol

Concen: 4.615 ug/l

RT: 3.00 min Scan# 347

Delta R.T. -0.04 min

Lab File: VX012865.D

Acq: 08 Oct 2019 02:53

Instrument :

MSVOA_X

ClientSampleId :

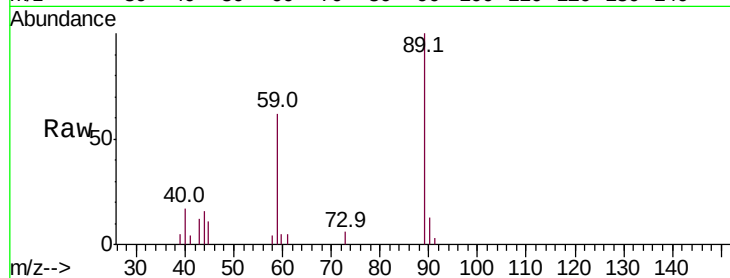
S49-0561

Tot Ion: 59 Resp: 2993

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.00

1200

1000

800

600

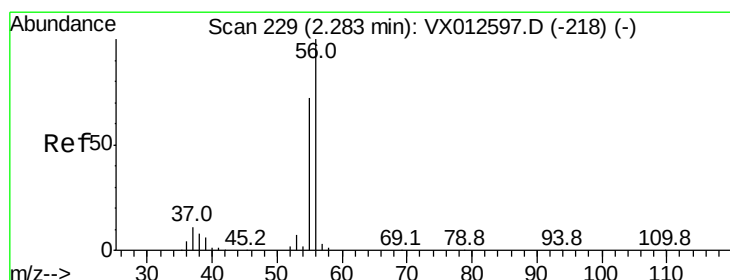
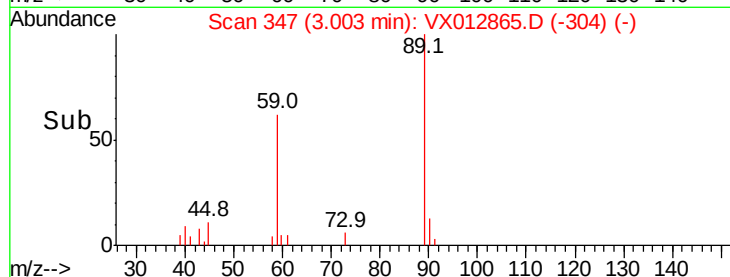
400

200

0

Time-->

2.95 3.00 3.05 3.10



#13

Acrolein

Concen: 10.729 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX012865.D

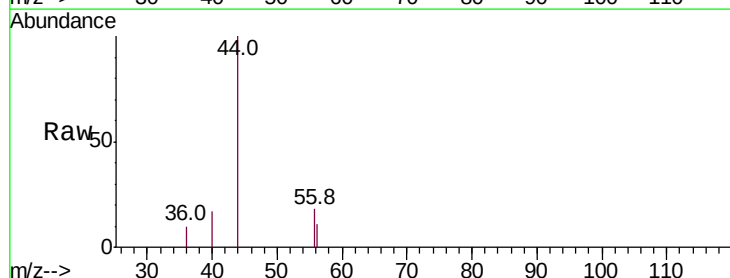
Acq: 08 Oct 2019 02:53

Tgt Ion: 56 Resp: 187

Ion Ratio Lower Upper

56 100

55 47.1 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

200

150

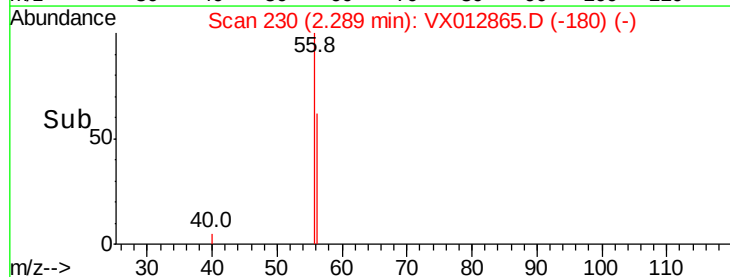
100

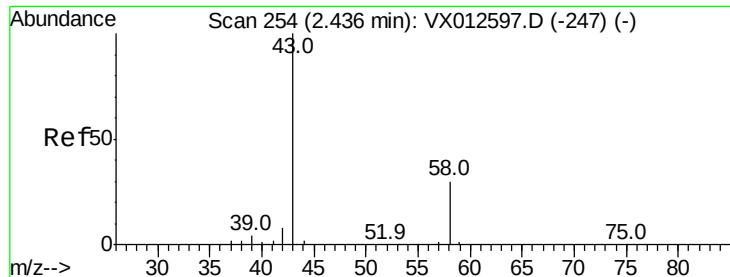
50

0

Time-->

2.24 2.26 2.28 2.30





#16

Acetone

Concen: 7.420 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012865.D

Acq: 08 Oct 2019 02:53

Instrument :

MSVOA_X

ClientSampleId :

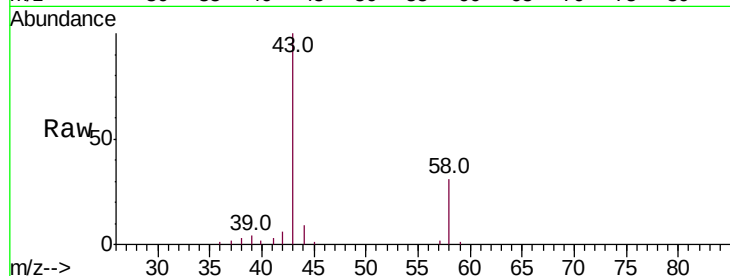
S49-0561

Tot Ion: 43 Resp: 10204

Ion Ratio Lower Upper

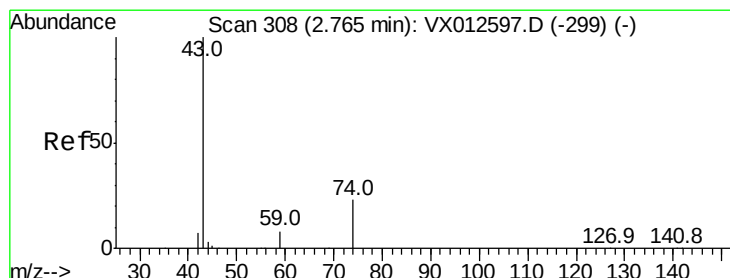
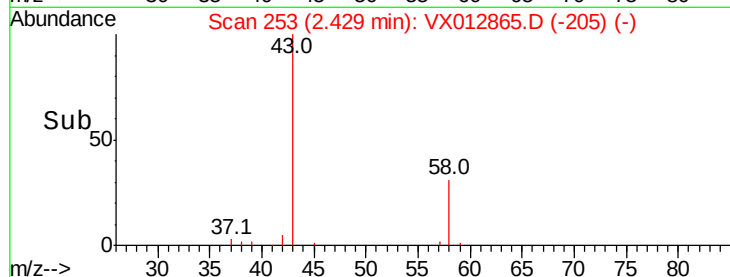
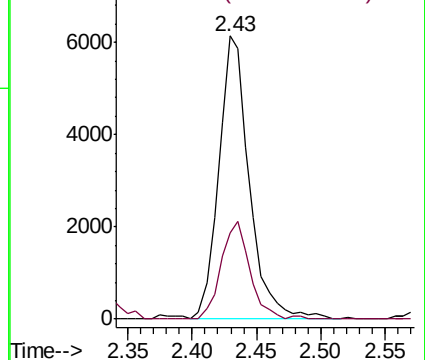
43 100

58 30.7 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.650 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX012865.D

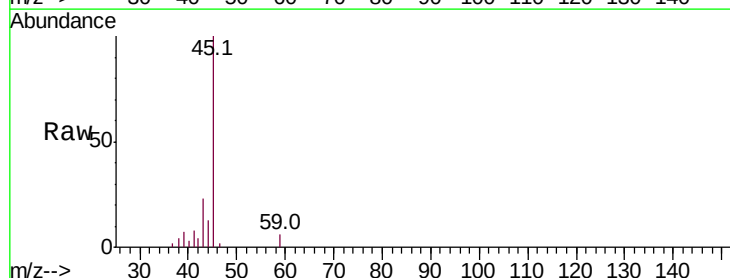
Acq: 08 Oct 2019 02:53

Tgt Ion: 43 Resp: 2104

Ion Ratio Lower Upper

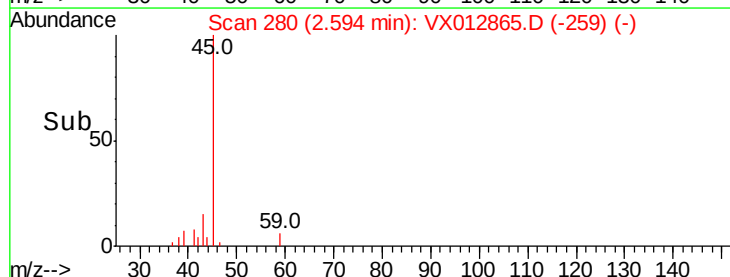
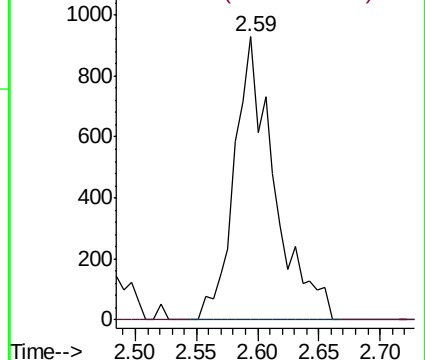
43 100

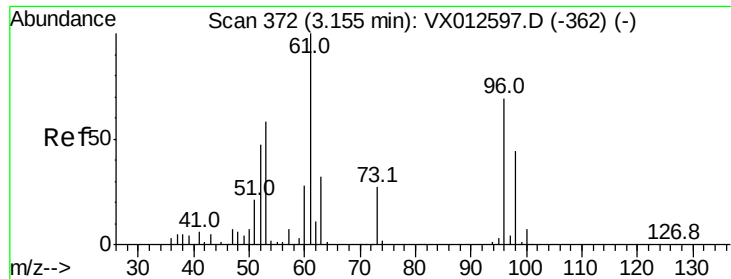
74 0.0 17.7 26.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

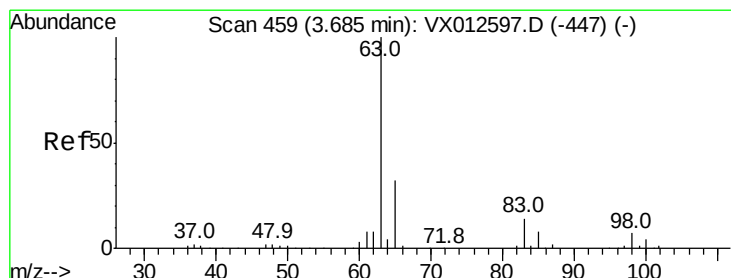
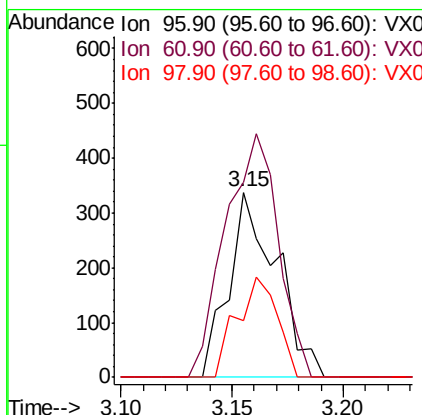
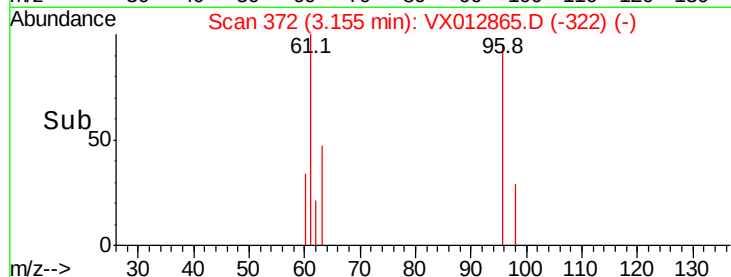
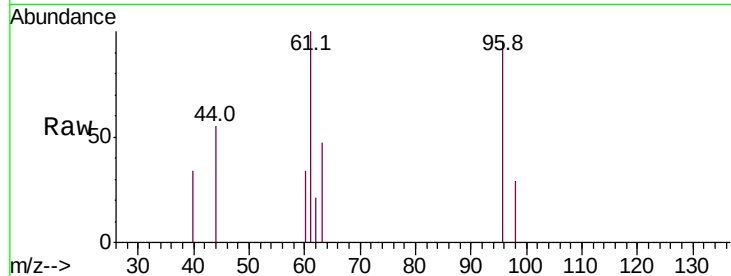




#21
trans-1,2-Dichloroethene
Concen: 0.240 ug/l
RT: 3.15 min Scan# 372
Delta R.T. 0.01 min
Lab File: VX012865.D
Acq: 08 Oct 2019 02:53

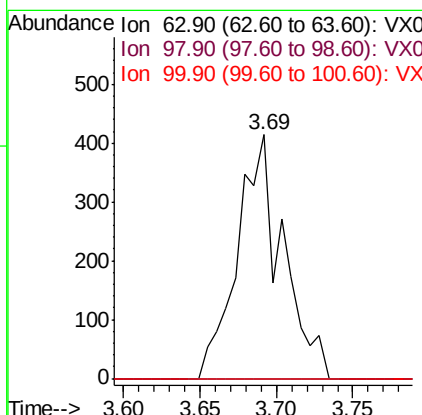
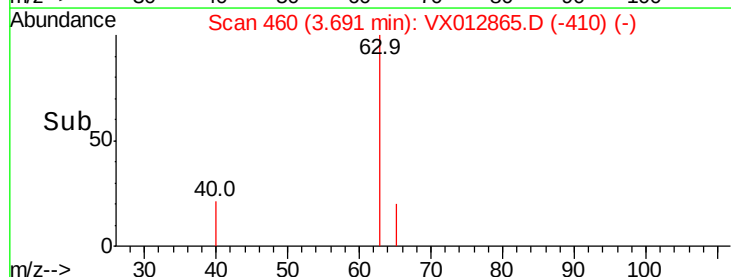
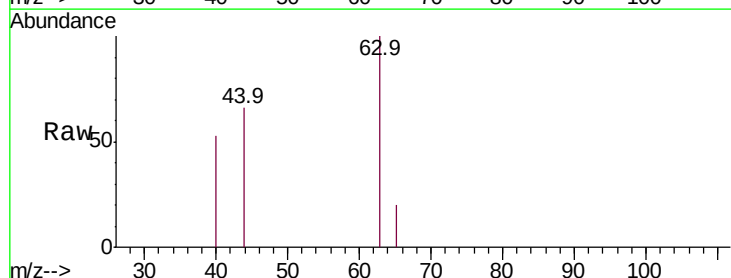
Instrument :
MSVOA_X
ClientSampleId :
S49-0561

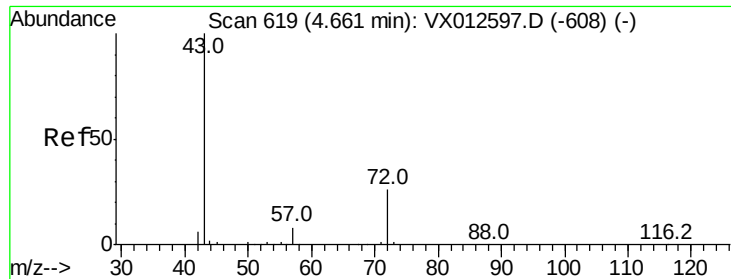
Tot Ion: 96 Resp: 509
Ion Ratio Lower Upper
96 100
61 105.3 112.0 168.0#
98 30.5 47.8 71.8#



#24
1,1-Dichloroethane
Concen: 0.214 ug/l
RT: 3.69 min Scan# 460
Delta R.T. 0.01 min
Lab File: VX012865.D
Acq: 08 Oct 2019 02:53

Tgt Ion: 63 Resp: 853
Ion Ratio Lower Upper
63 100
98 0.0 3.9 11.7#
100 0.0 2.3 6.9#





#25

2-Butanone

Concen: 1.912 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.01 min

Lab File: VX012865.D

Acq: 08 Oct 2019 02:53

Instrument :

MSVOA_X

ClientSampled :

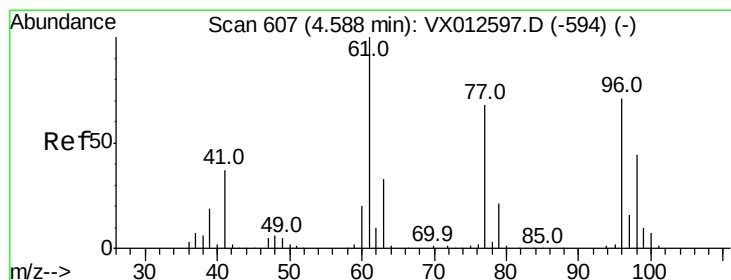
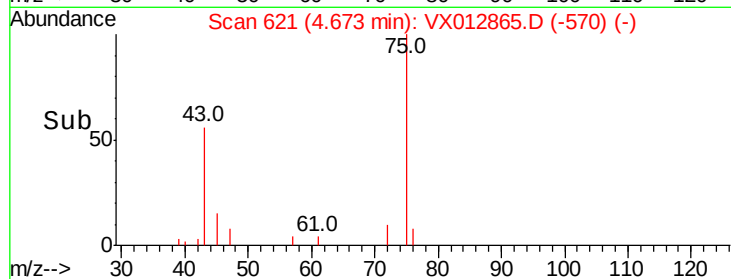
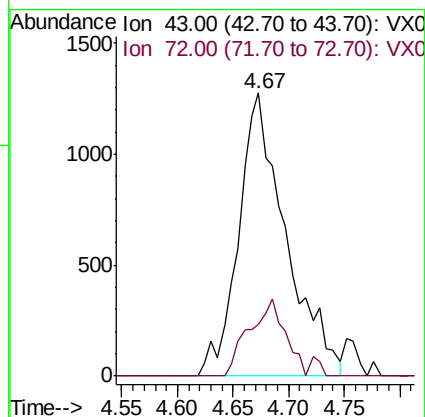
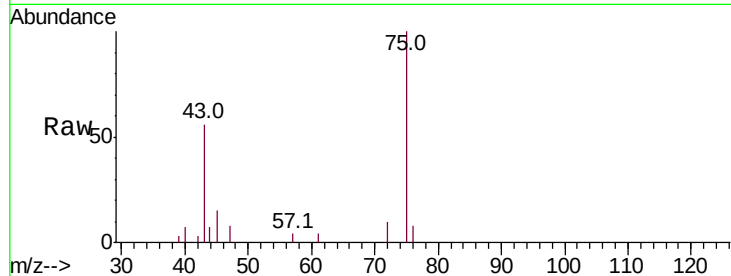
S49-0561

Tot Ion: 43 Resp: 3770

Ion Ratio Lower Upper

43 100

72 18.2 19.2 28.8#



#27

cis-1,2-Dichloroethene

Concen: 0.265 ug/l

RT: 4.58 min Scan# 606

Delta R.T. 0.00 min

Lab File: VX012865.D

Acq: 08 Oct 2019 02:53

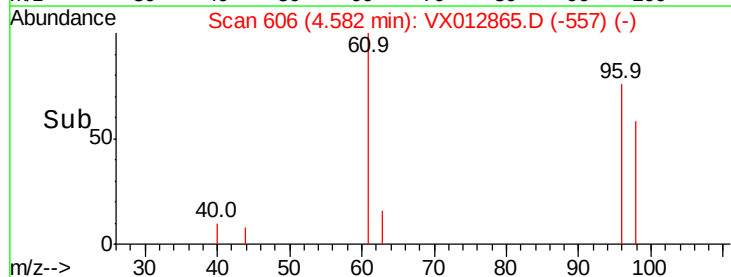
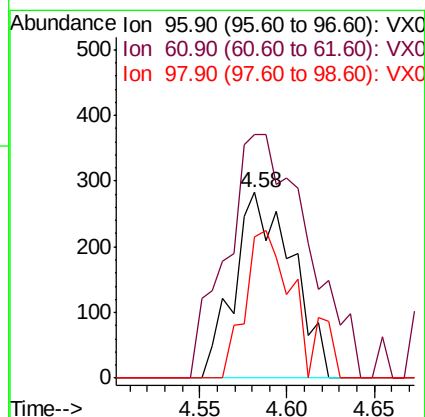
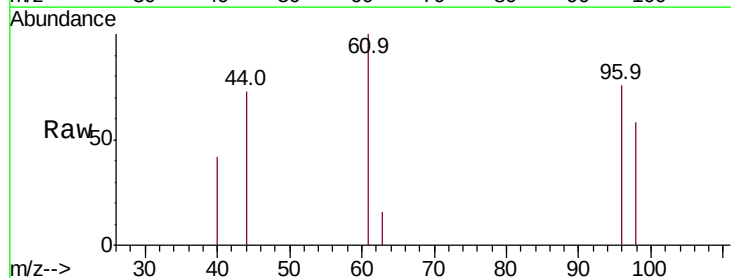
Tgt Ion: 96 Resp: 654

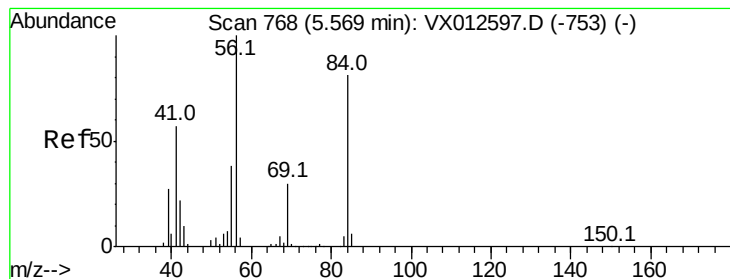
Ion Ratio Lower Upper

96 100

61 183.0 0.0 319.4

98 59.5 0.0 130.6





#31

Cyclohexane

Concen: 1.123 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX012865.D

Acq: 08 Oct 2019 02:53

Instrument :

MSVOA_X

ClientSampleId :

S49-0561

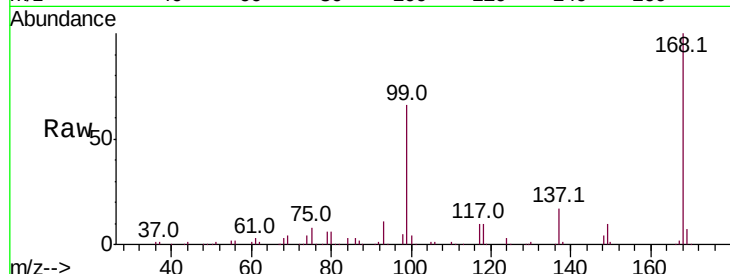
Tot Ion: 56 Resp: 4059

Ion Ratio Lower Upper

56 100

69 156.1 25.0 37.6#

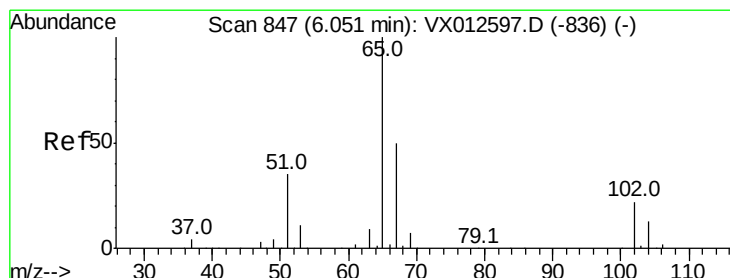
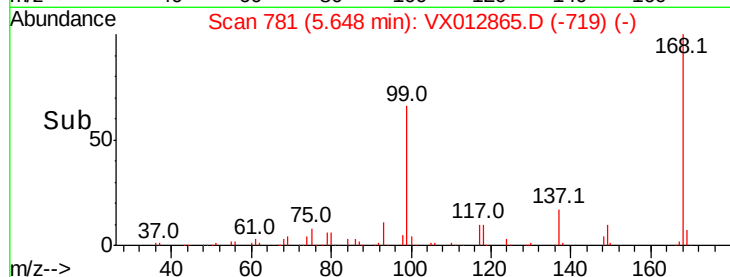
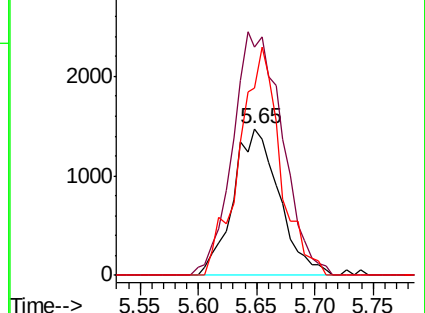
84 127.8 66.4 99.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 44.939 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX012865.D

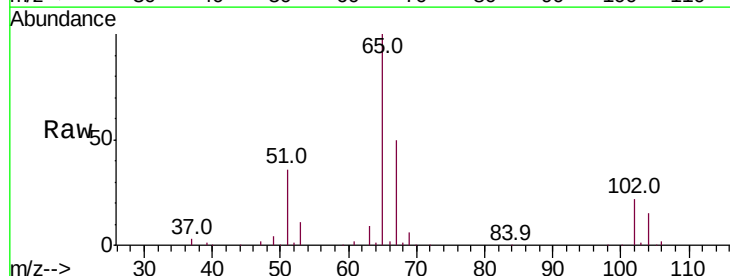
Acq: 08 Oct 2019 02:53

Tgt Ion: 65 Resp: 116674

Ion Ratio Lower Upper

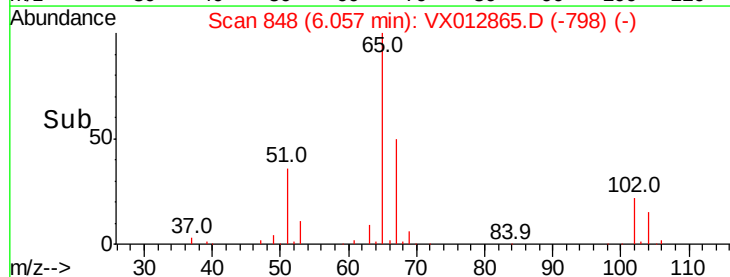
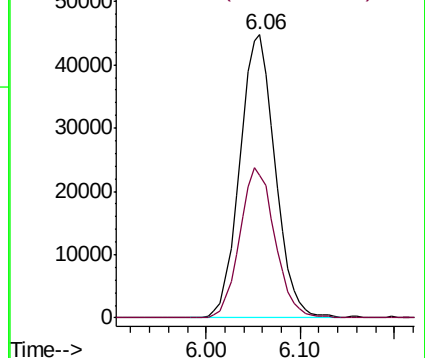
65 100

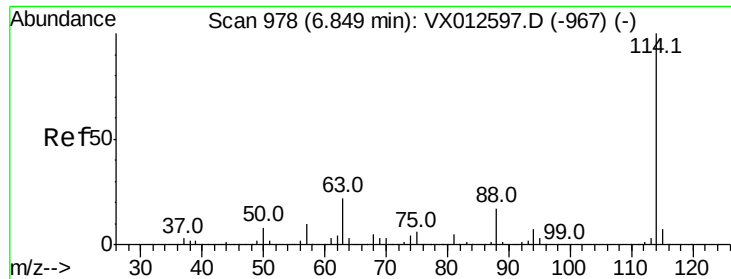
67 52.7 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

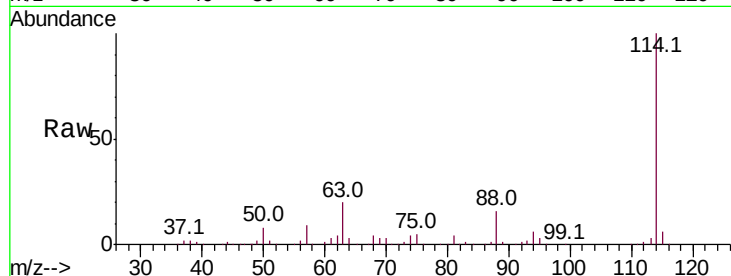




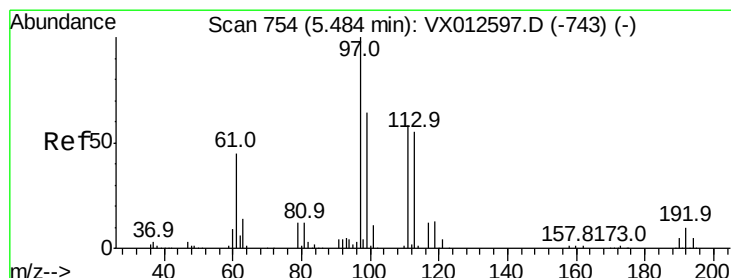
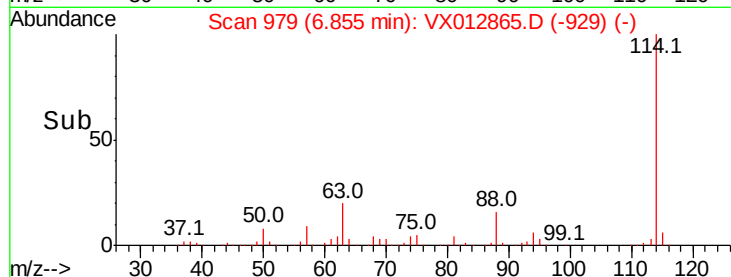
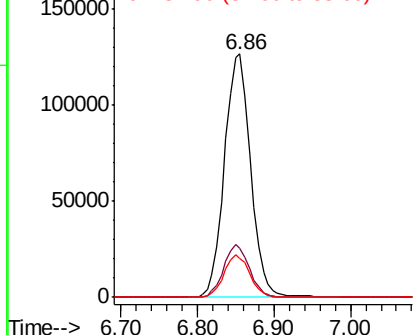
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: VX012865.D
 Acq: 08 Oct 2019 02:53

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0561

Tot Ion:114 Resp: 300502
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 43.2
 88 16.1 0.0 33.2

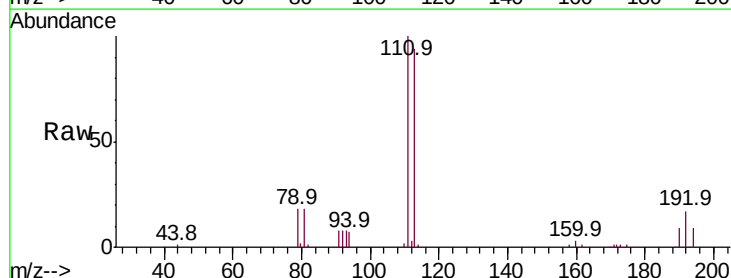


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

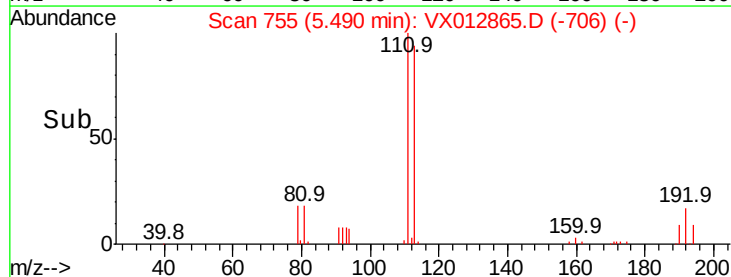
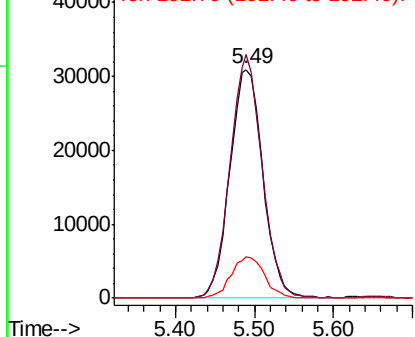


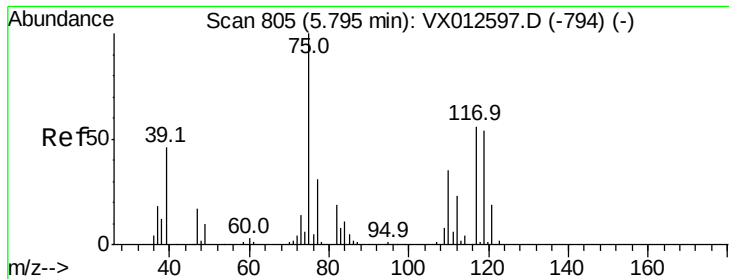
#35
 Dibromofluoromethane
 Concen: 50.459 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012865.D
 Acq: 08 Oct 2019 02:53

Tgt Ion:113 Resp: 90302
 Ion Ratio Lower Upper
 113 100
 111 102.5 83.4 125.2
 192 18.4 14.4 21.6



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

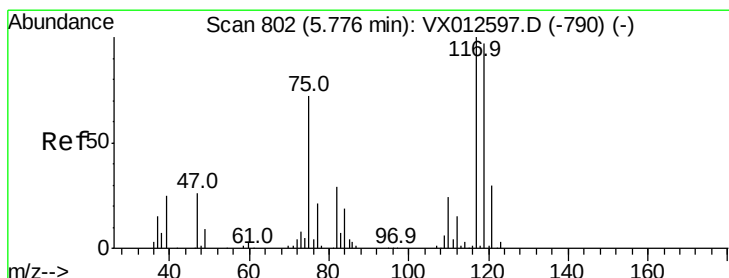
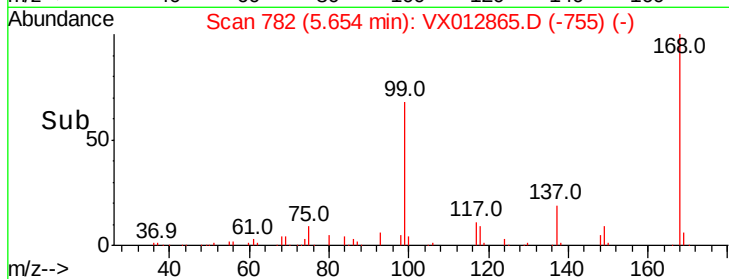
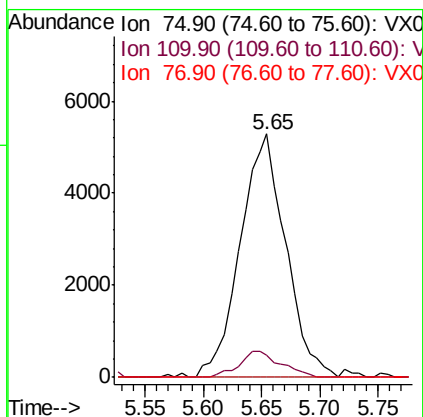
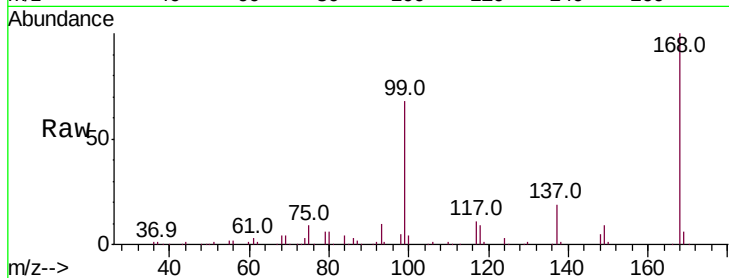




#36
 1,1-Dichloropropene
 Concen: 4.957 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX012865.D
 Acq: 08 Oct 2019 02:53

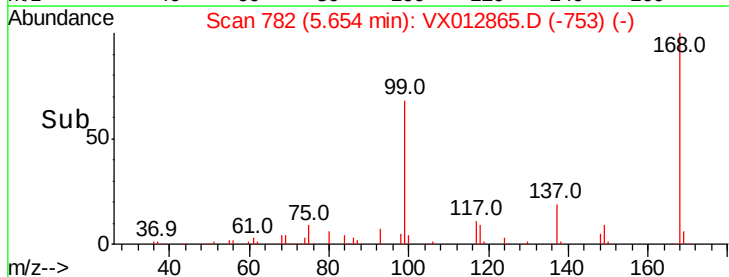
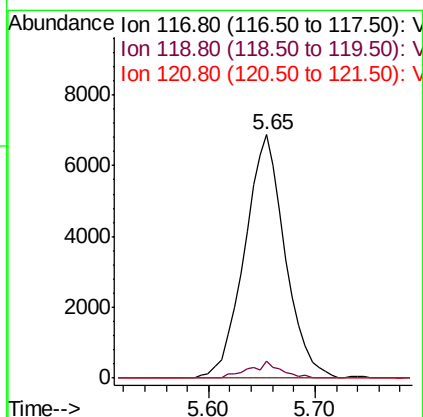
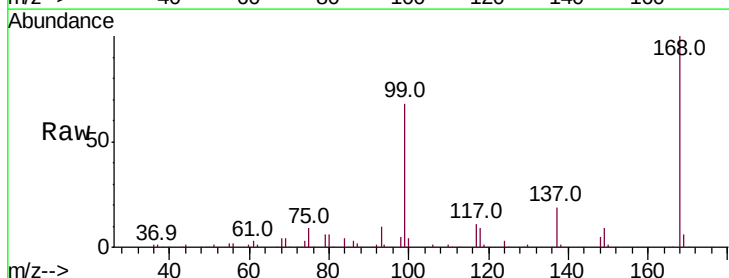
Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0561

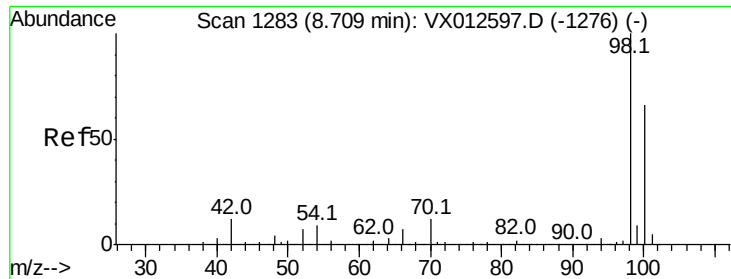
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.8	16.7	50.0#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.205 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX012865.D
 Acq: 08 Oct 2019 02:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.2	75.7	113.5#
121	0.0	24.2	36.4#

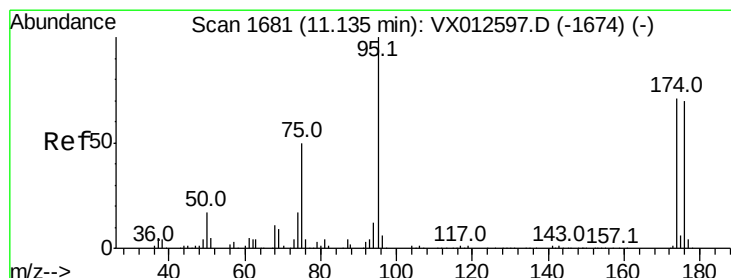
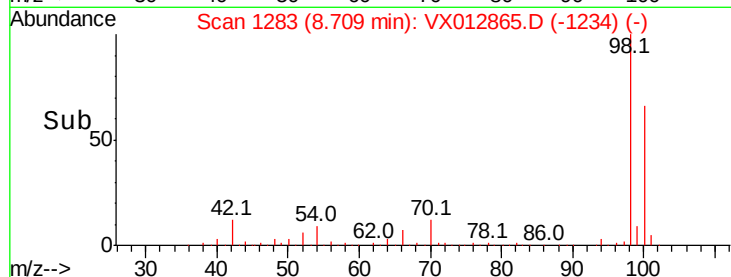
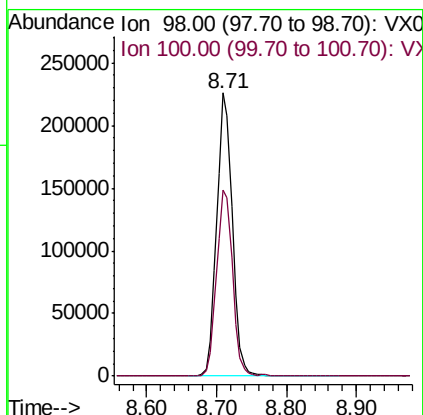
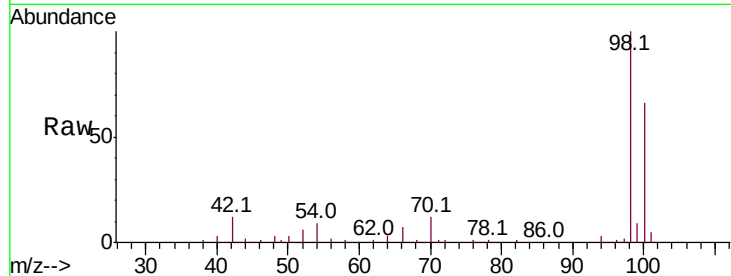




#50
Toluene-d8
Concen: 50.940 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012865.D
Acq: 08 Oct 2019 02:53

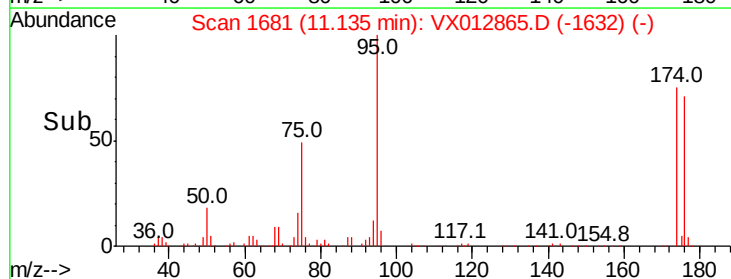
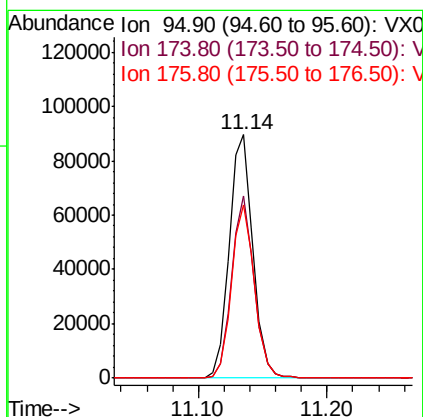
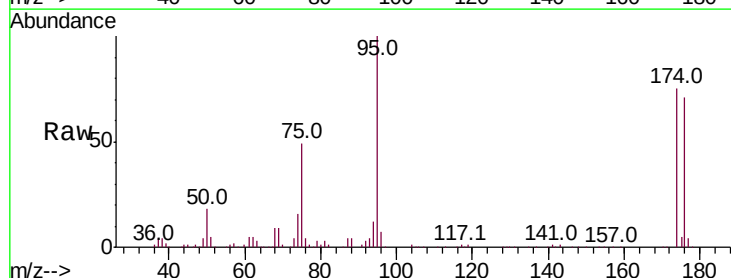
Instrument :
MSVOA_X
ClientSampleId :
S49-0561

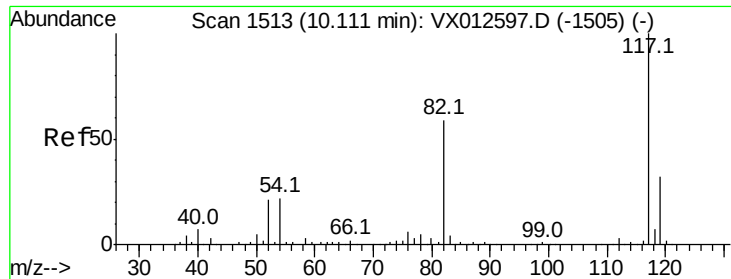
Tot Ion: 98 Resp: 351073
Ion Ratio Lower Upper
98 100
100 67.4 53.4 80.2



#62
4-Bromofluorobenzene
Concen: 42.562 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012865.D
Acq: 08 Oct 2019 02:53

Tgt Ion: 95 Resp: 115339
Ion Ratio Lower Upper
95 100
174 71.1 0.0 140.0
176 69.2 0.0 135.4

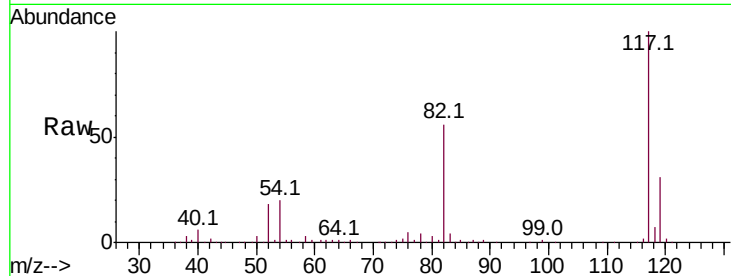




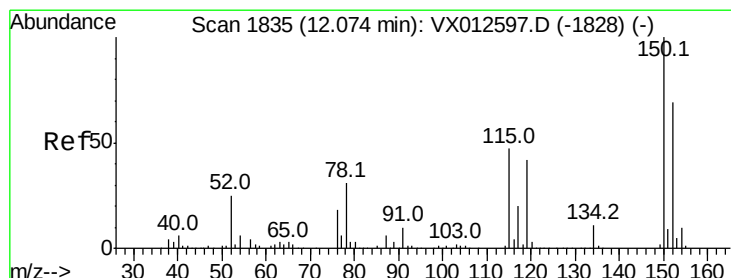
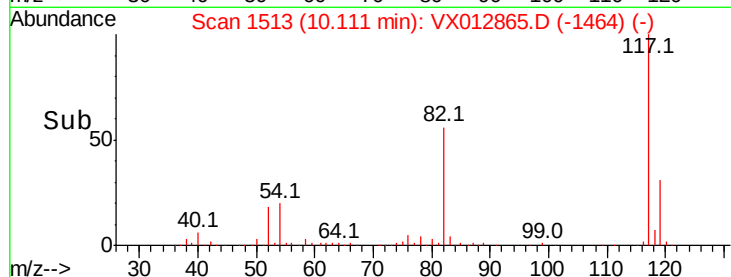
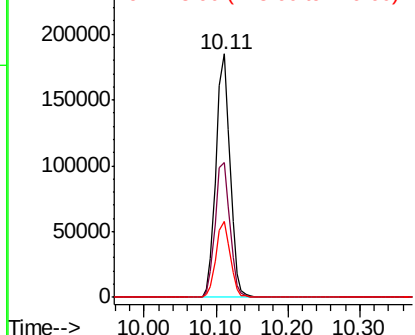
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012865.D
Acq: 08 Oct 2019 02:53

Instrument :
MSVOA_X
ClientSampleId :
S49-0561

Tot Ion:117 Resp: 251485
Ion Ratio Lower Upper
117 100
82 55.6 45.9 68.9
119 31.3 25.3 37.9

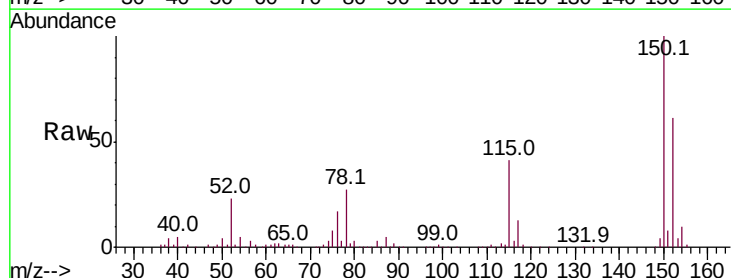


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

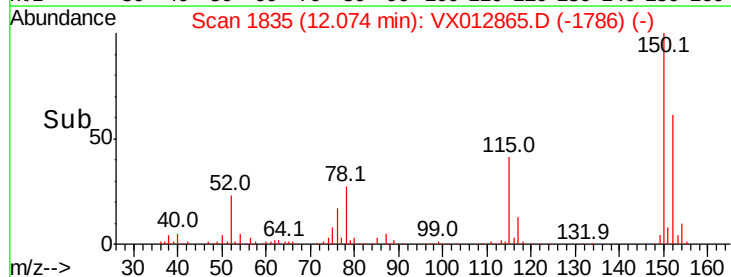
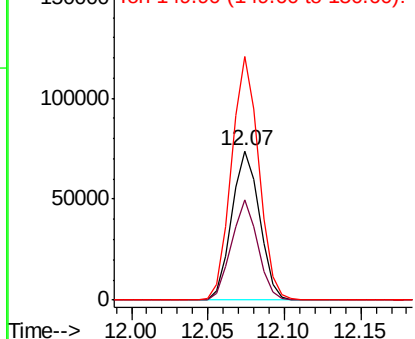


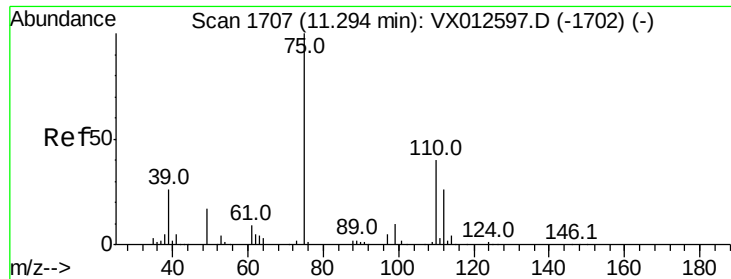
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012865.D
Acq: 08 Oct 2019 02:53

Tgt Ion:152 Resp: 93359
Ion Ratio Lower Upper
152 100
115 63.9 44.1 132.3
150 159.9 0.0 343.8



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: 23.615 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012865.D

Acq: 08 Oct 2019 02:53

Instrument :

MSVOA_X

ClientSampleId :

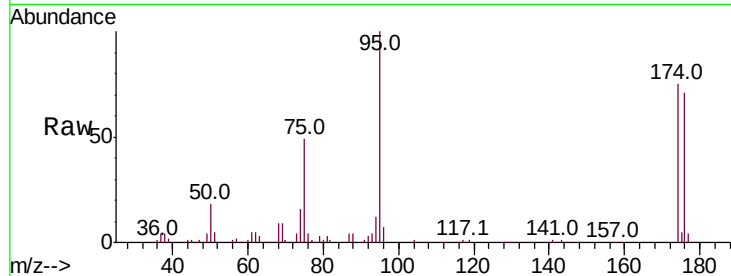
S49-0561

Tot Ion: 75 Resp: 58320

Ion Ratio Lower Upper

75 100

77 1.3 19.7 59.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.14

40000

30000

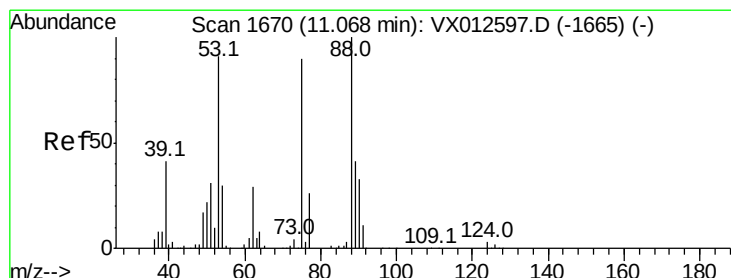
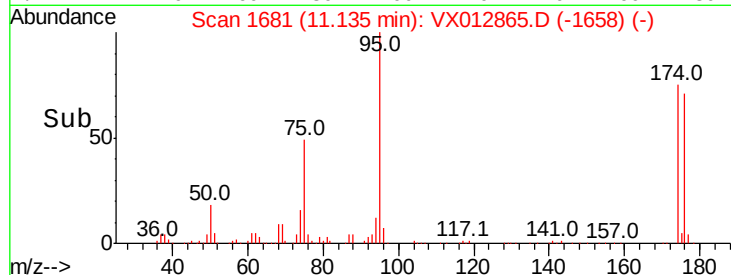
20000

10000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 67.676 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012865.D

Acq: 08 Oct 2019 02:53

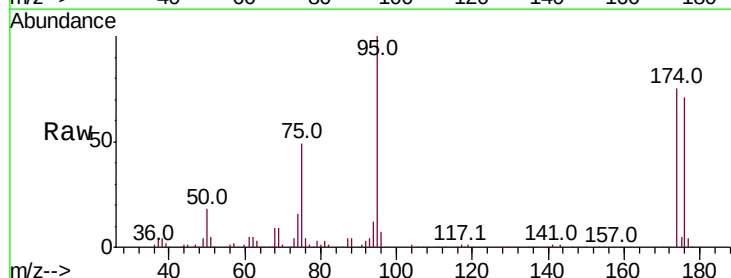
Tgt Ion: 75 Resp: 58320

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.0 36.3 54.5#



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

60000

50000

40000

30000

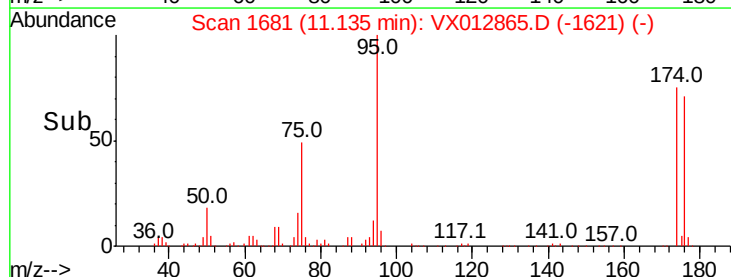
20000

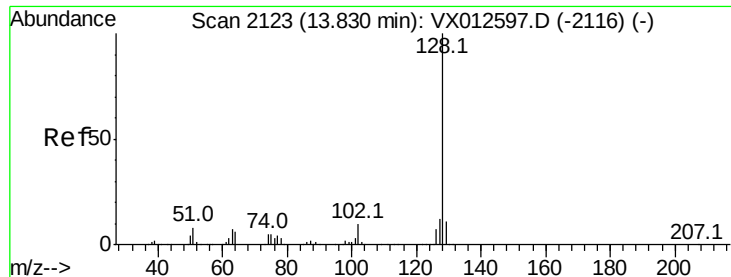
10000

0

Time-->

11.10 11.20

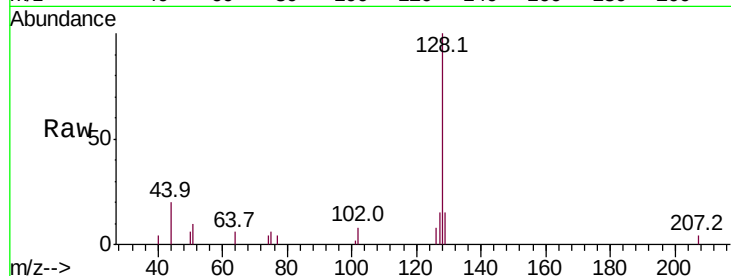




#95
Naphthalene
Concen: 0.407 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012865.D
Acq: 08 Oct 2019 02:53

Instrument :
MSVOA_X
ClientSampleId :
S49-0561

Tot Ion:128 Resp: 2782
Ion Ratio Lower Upper
128 100
127 15.5 10.2 15.4#
129 14.6 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

