

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081518\
 Data File : VX004085.D
 Acq On : 15 Aug 2018 20:54
 Operator : JC/MD
 Sample : J4489-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SES-MS-PH4-COA-3QTR

Quant Time: Aug 16 05:53:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	245714	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	375967	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	357735	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	186289	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	181494	52.42	ug/l	0.00
Spiked Amount			Recovery	=	104.84%	
35) Dibromofluoromethane	5.51	113	155346	55.21	ug/l	0.00
Spiked Amount			Recovery	=	110.42%	
50) Toluene-d8	8.72	98	538842	47.23	ug/l	0.00
Spiked Amount			Recovery	=	94.46%	
62) 4-Bromofluorobenzene	11.14	95	181388	43.84	ug/l	0.00
Spiked Amount			Recovery	=	87.68%	

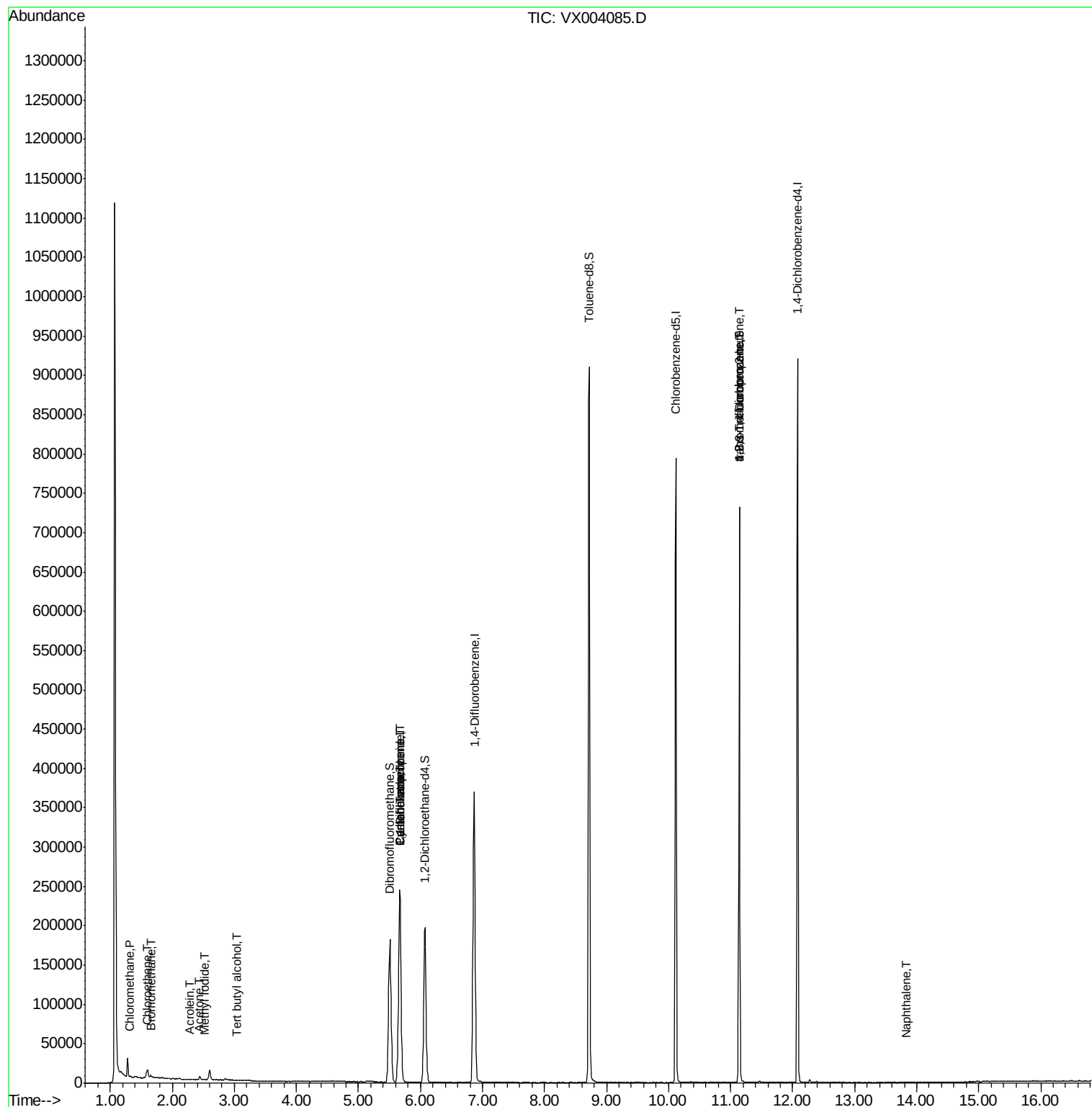
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1199	0.41	ug/l	93
5) Bromomethane	1.65	94	992	0.44	ug/l	91
6) Chloroethane	1.59	64	6875	1.57	ug/l #	59
10) Methyl Iodide	2.52	142	551	5.18	ug/l #	83
11) Tert butyl alcohol	3.05	59	557	0.80	ug/l #	85
13) Acrolein	2.28	56	58	11.07	ug/l #	26
16) Acetone	2.44	43	4655	2.59	ug/l	98
20) Methylene Chloride	2.86	84	827	Below Cal	#	75
31) Cyclohexane	5.66	56	4645	0.97	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16880	3.95	ug/l #	49
38) Carbon Tetrachloride	5.67	117	22218	5.35	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	88710	23.75	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	88710	73.50	ug/l #	9
95) Naphthalene	13.84	128	359	1.17	ug/l #	69

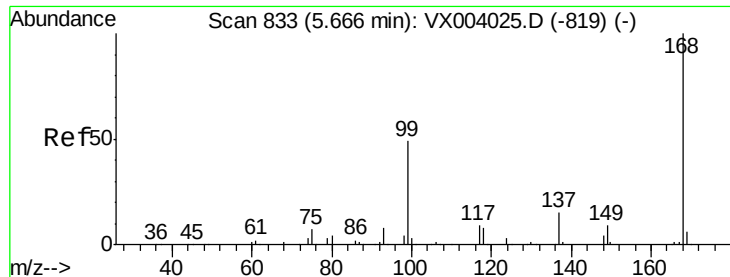
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004085.D

Acq: 15 Aug 2018 20:54

Instrument :

MSVOA_X

ClientSampleId :

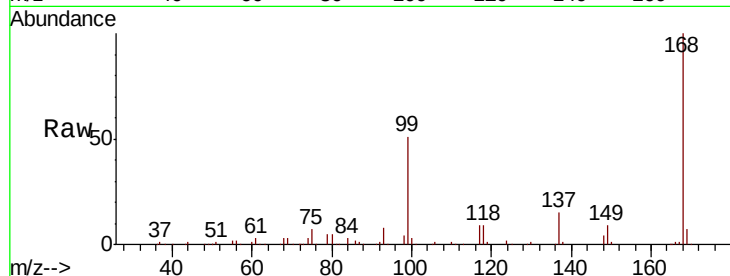
SES-MS-PH4-COA-3QTR

Tot Ion:168 Resp: 245714

Ion Ratio Lower Upper

168 100

99 51.0 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

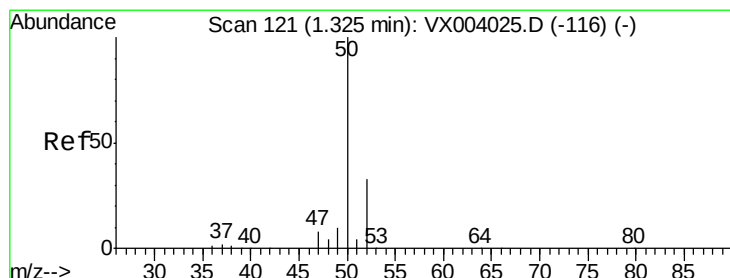
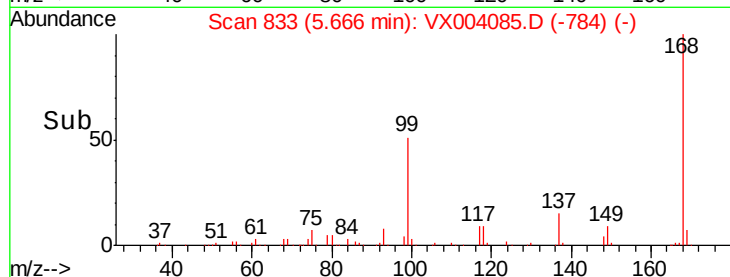
40000

20000

0

Time-->

5.60 5.70 5.80



#3

Chloromethane

Concen: 0.41 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004085.D

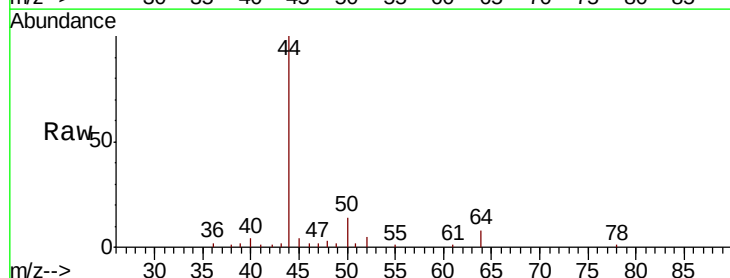
Acq: 15 Aug 2018 20:54

Tgt Ion: 50 Resp: 1199

Ion Ratio Lower Upper

50 100

52 37.2 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

800

600

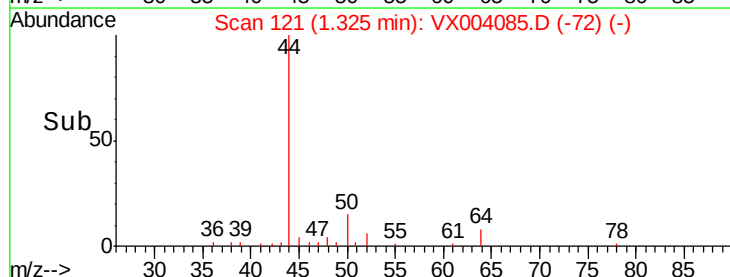
400

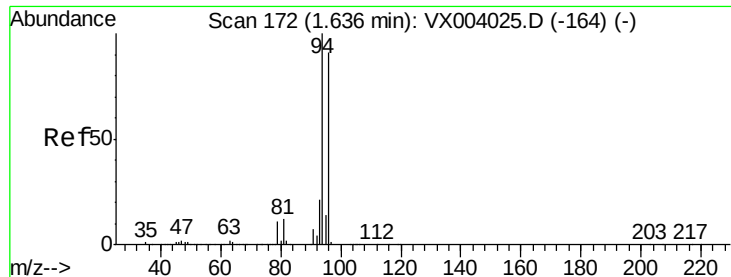
200

0

Time-->

1.30 1.35 1.40





#5

Bromomethane

Concen: 0.44 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX004085.D

Acq: 15 Aug 2018 20:54

Instrument :

MSVOA_X

ClientSampleId :

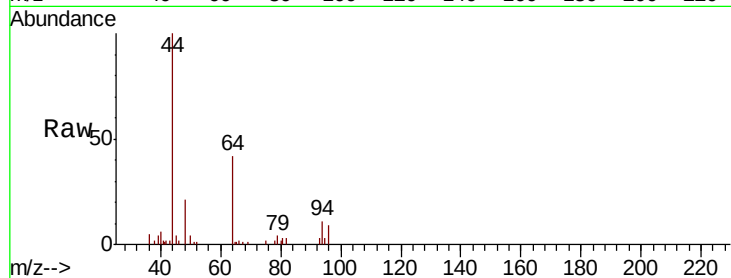
SES-MS-PH4-COA-3QTR

Tot Ion: 94 Resp: 992

Ion Ratio Lower Upper

94 100

96 85.3 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

600

500

400

300

200

100

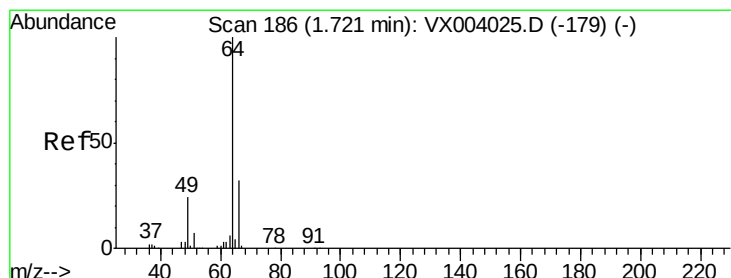
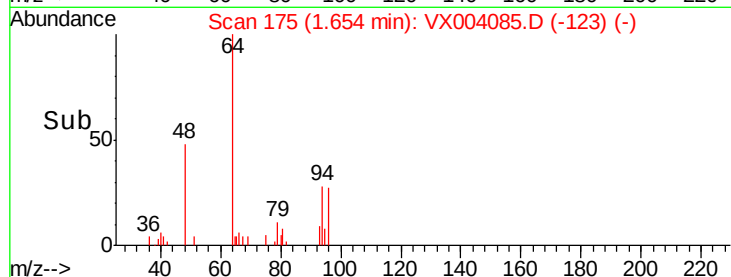
0

1.60

1.65

1.70

Time-->



#6

Chloroethane

Concen: 1.57 ug/l

RT: 1.59 min Scan# 165

Delta R.T. -0.13 min

Lab File: VX004085.D

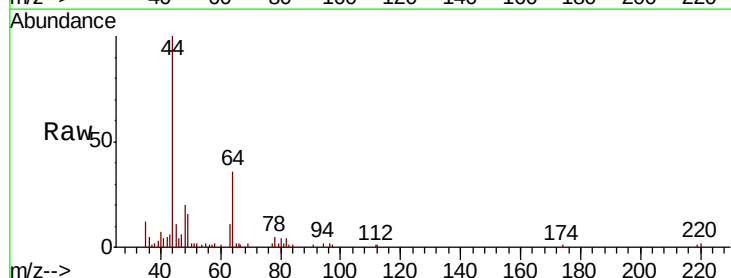
Acq: 15 Aug 2018 20:54

Tgt Ion: 64 Resp: 6875

Ion Ratio Lower Upper

64 100

66 9.7 26.5 39.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

2000

1500

1000

500

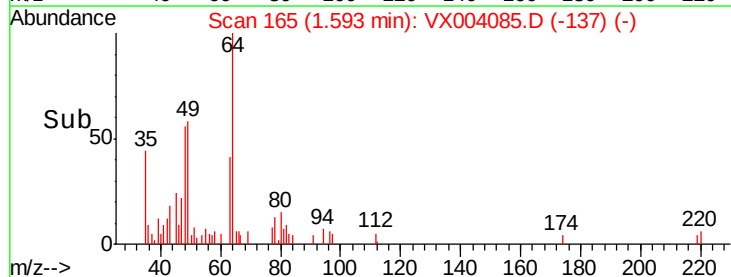
0

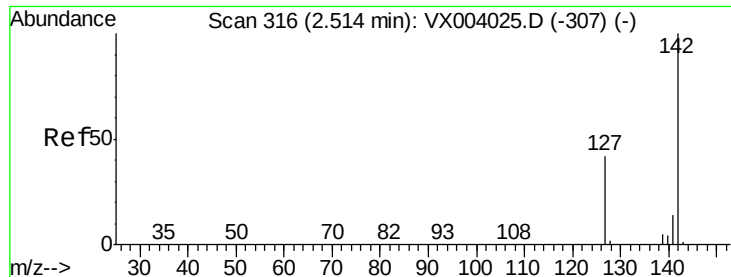
1.40

1.50

1.60

Time-->

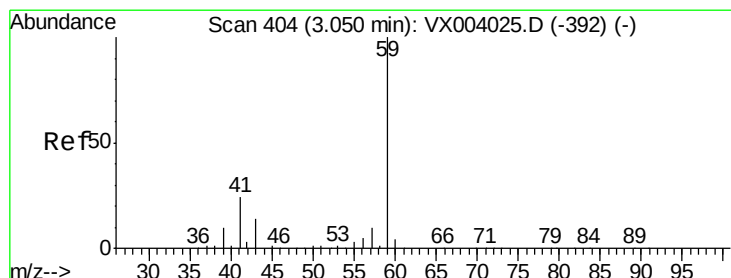
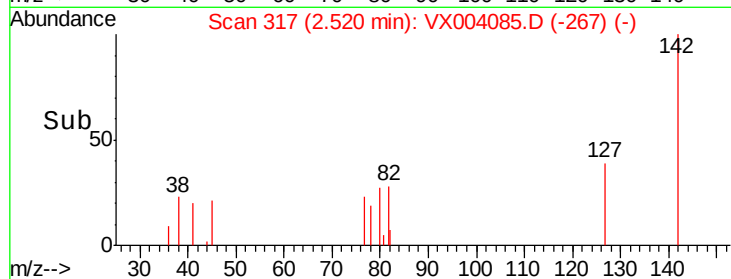
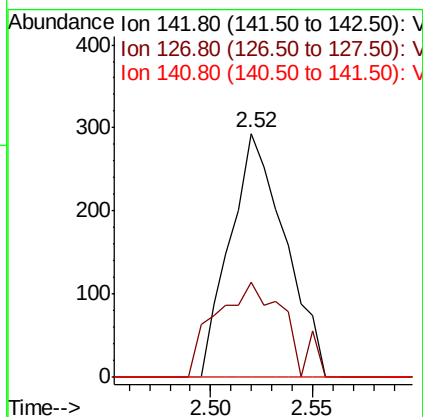
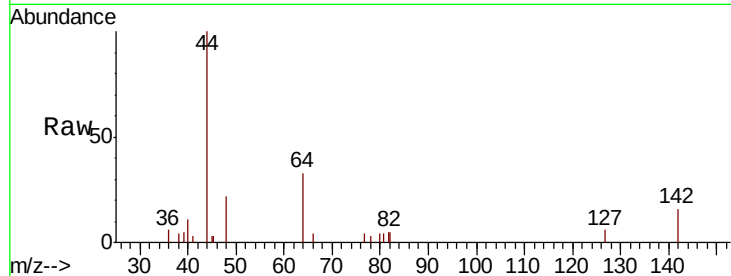




#10
Methyl Iodide
Concen: 5.18 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX004085.D
Acq: 15 Aug 2018 20:54

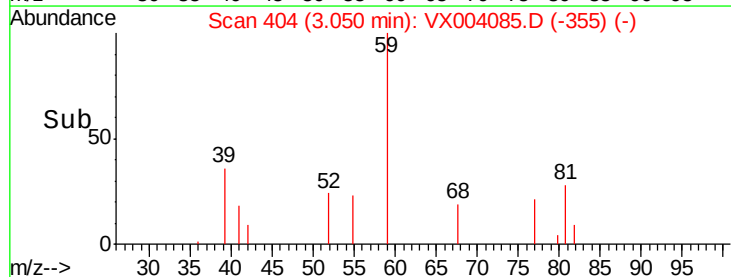
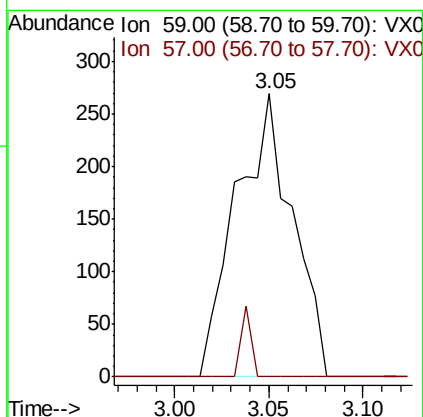
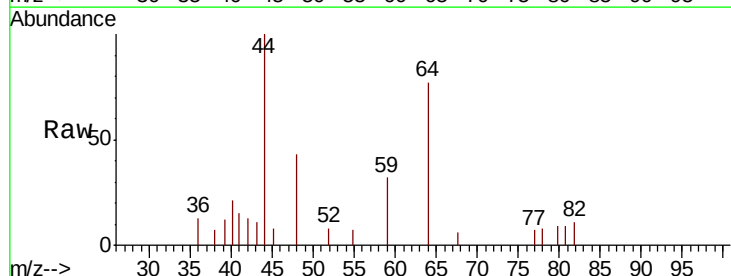
Instrument :
MSVOA_X
ClientSampleId :
SES-MS-PH4-COA-3QTR

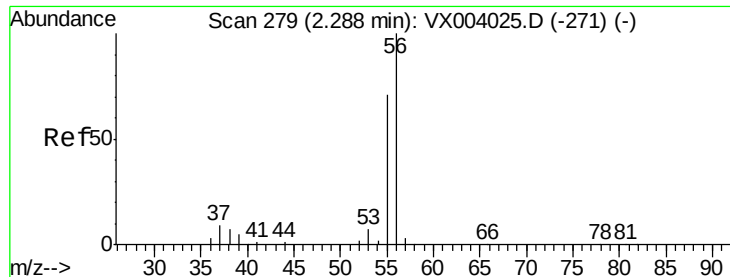
Tot Ion:142 Resp: 551
Ion Ratio Lower Upper
142 100
127 48.8 33.1 49.7
141 0.0 11.1 16.7#



#11
Tert butyl alcohol
Concen: 0.80 ug/l
RT: 3.05 min Scan# 404
Delta R.T. -0.00 min
Lab File: VX004085.D
Acq: 15 Aug 2018 20:54

Tgt Ion: 59 Resp: 557
Ion Ratio Lower Upper
59 100
57 4.5 8.1 12.1#





#13

Acrolein

Concen: 11.07 ug/l

RT: 2.28 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX004085.D

Acq: 15 Aug 2018 20:54

Instrument :

MSVOA_X

ClientSampleId :

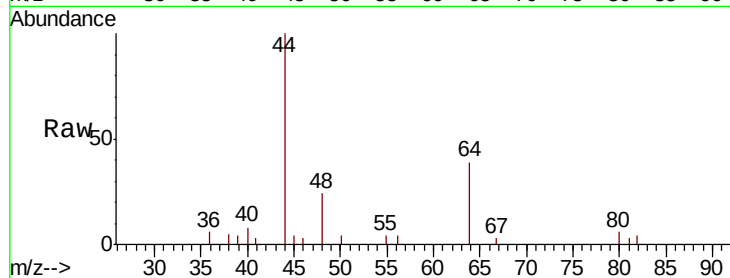
SES-MS-PH4-COA-3QTR

Tot Ion: 56 Resp: 58

Ion Ratio Lower Upper

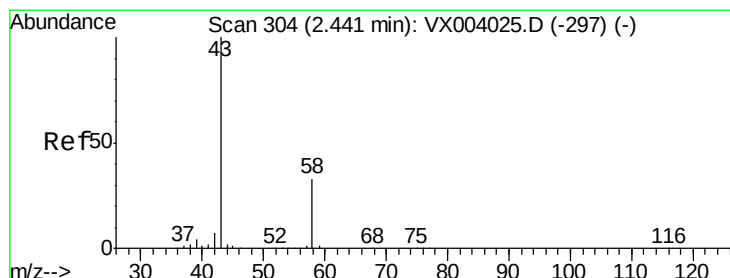
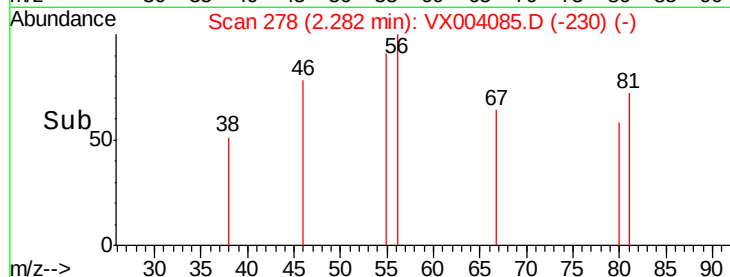
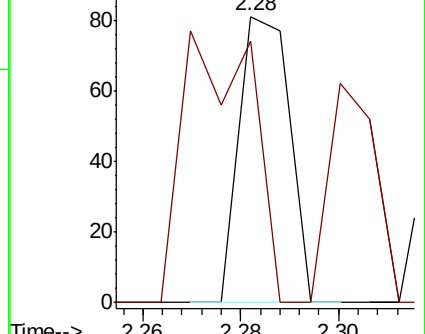
56 100

55 131.0 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.59 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.00 min

Lab File: VX004085.D

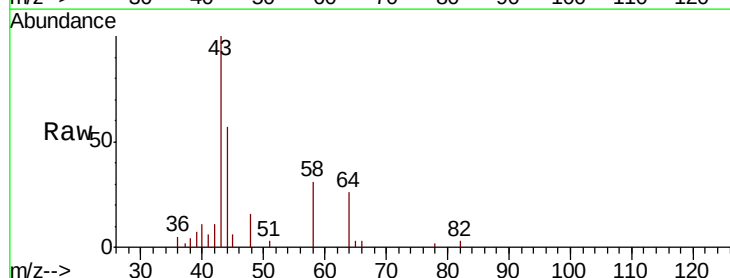
Acq: 15 Aug 2018 20:54

Tgt Ion: 43 Resp: 4655

Ion Ratio Lower Upper

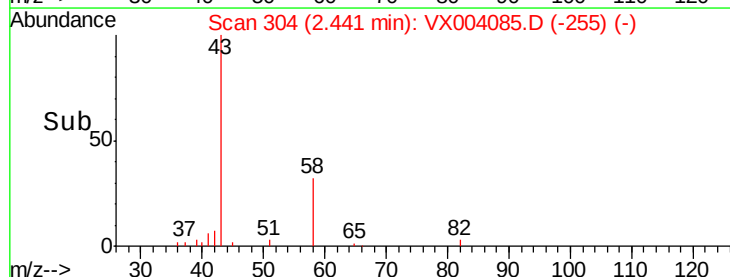
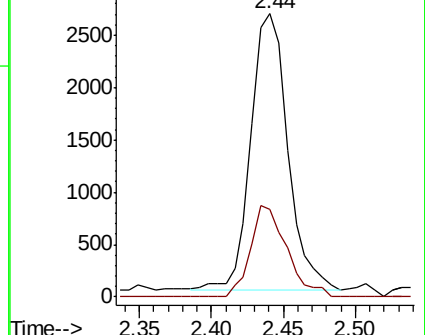
43 100

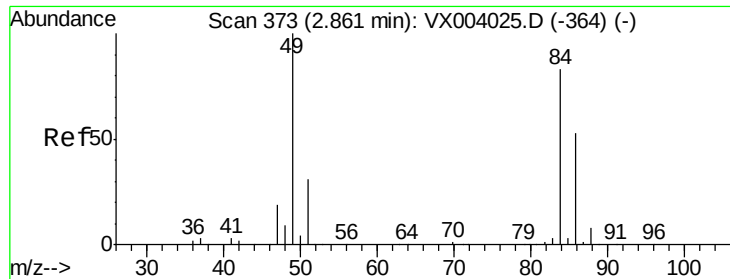
58 31.8 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

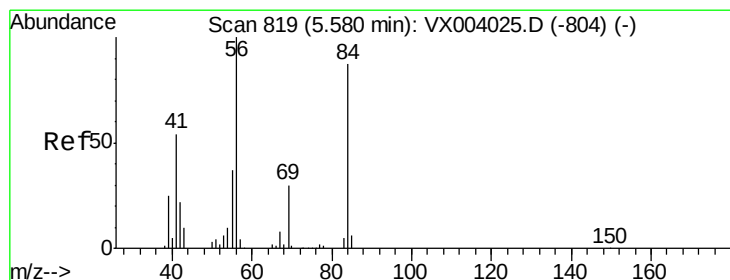
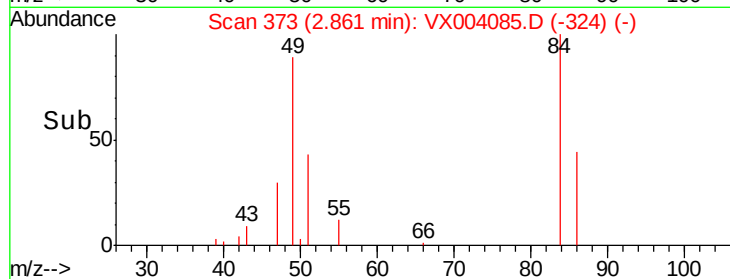
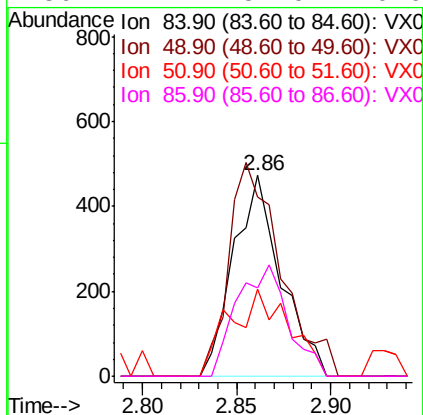
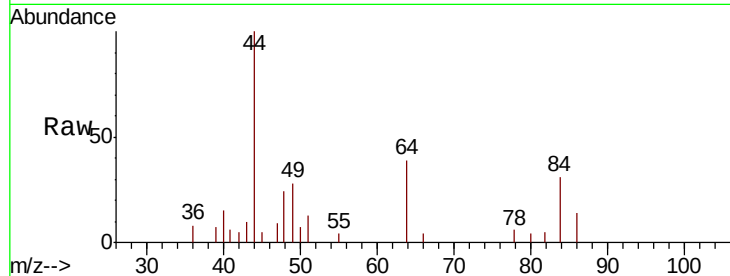




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX004085.D
Acq: 15 Aug 2018 20:54

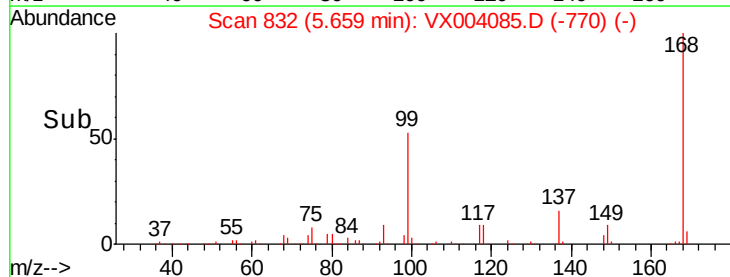
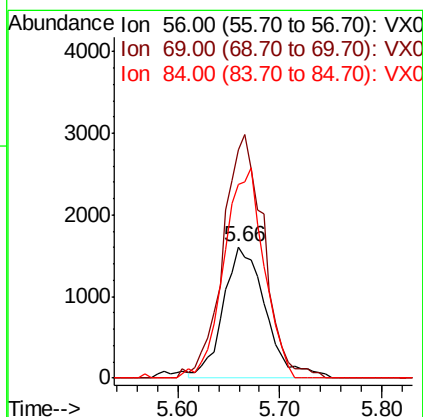
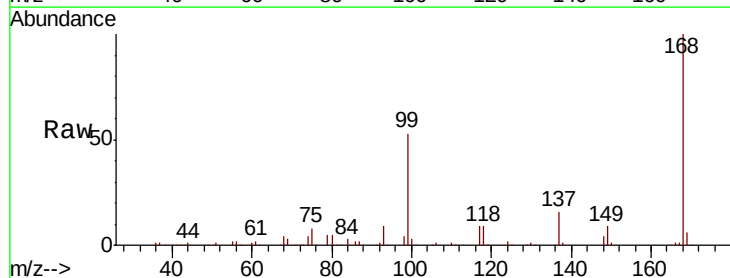
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ClientSampleId :
SES-MS-PH4-COA-3QTR

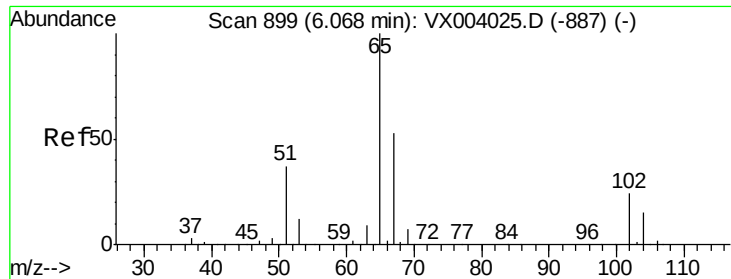
Tot Ion:	84	Resp:	827
Ion	Ratio	Lower	Upper
84	100		
49	89.4	98.9	148.3#
51	43.1	29.9	44.9
86	44.2	51.0	76.6#



#31
Cyclohexane
Concen: 0.97 ug/l
RT: 5.66 min Scan# 832
Delta R.T. 0.08 min
Lab File: VX004085.D
Acq: 15 Aug 2018 20:54

Tgt Ion:	56	Resp:	4645
Ion	Ratio	Lower	Upper
56	100		
69	174.1	24.9	37.3#
84	147.8	71.7	107.5#

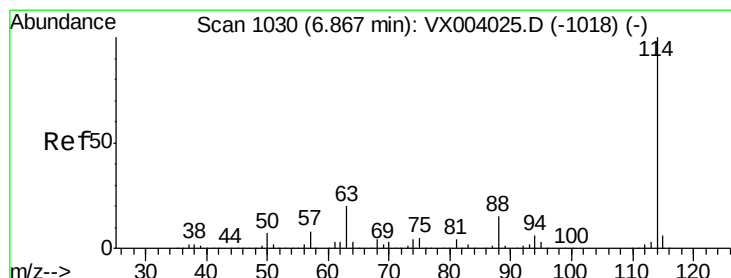
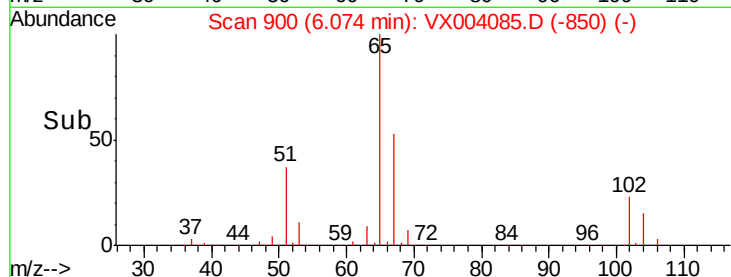
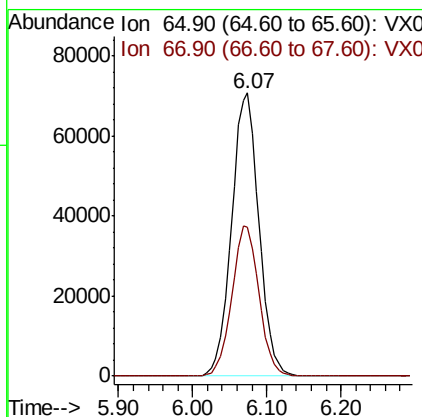
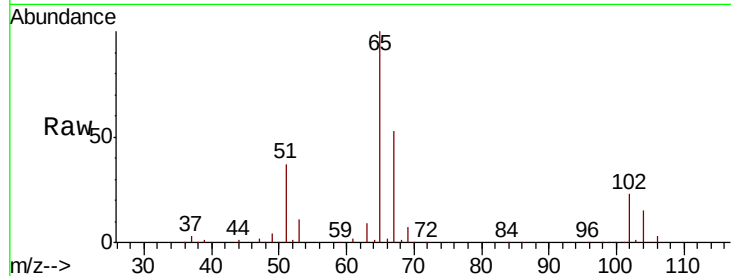




#33
 1,2-Dichloroethane-d4
 Concen: 52.42 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX004085.D
 Acq: 15 Aug 2018 20:54

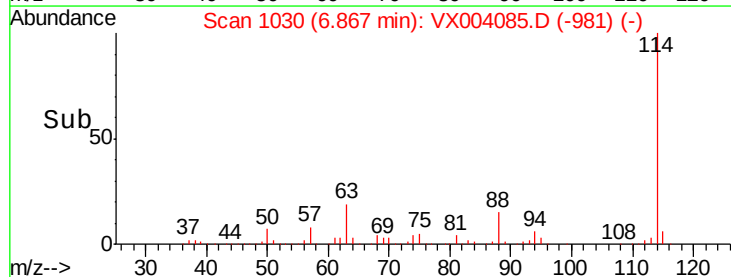
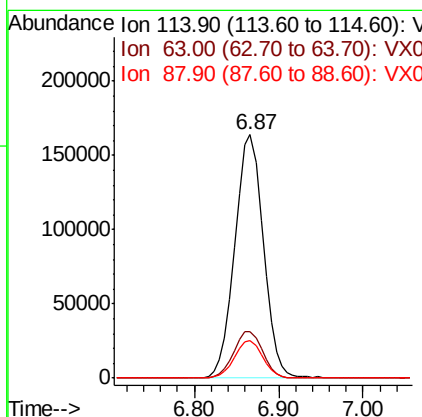
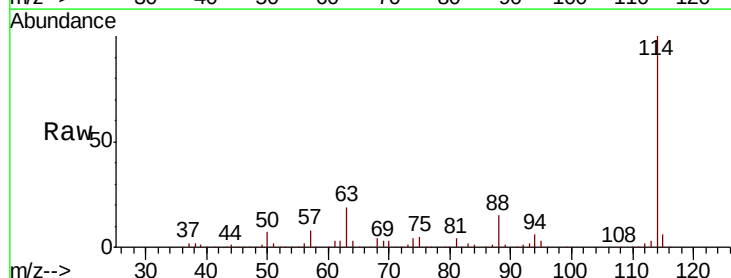
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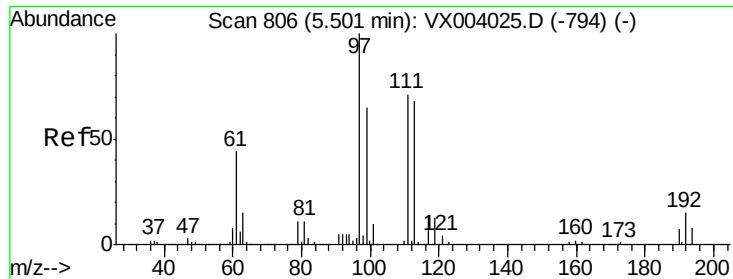
Tot Ion: 65 Resp: 181494
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX004085.D
 Acq: 15 Aug 2018 20:54

Tgt Ion: 114 Resp: 375967
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.0
 88 15.2 0.0 32.0

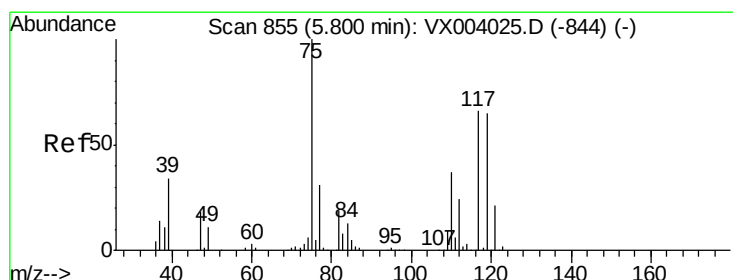
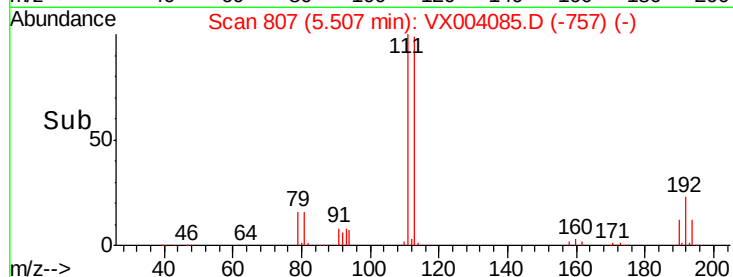
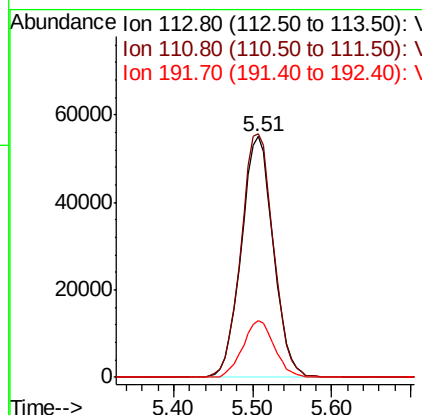
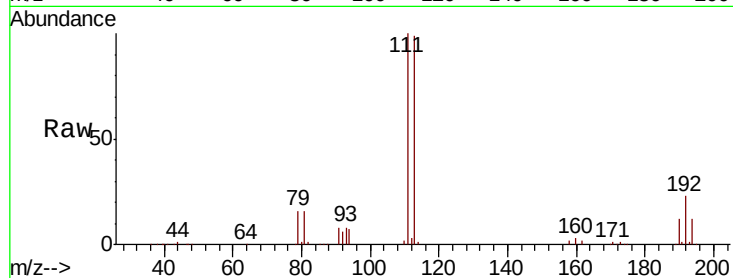




#35
 Dibromofluoromethane
 Concen: 55.21 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX004085.D
 Acq: 15 Aug 2018 20:54

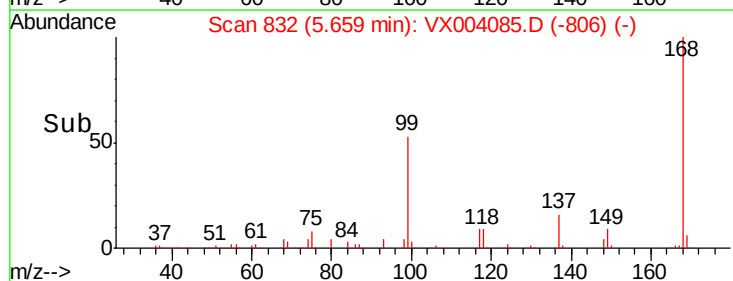
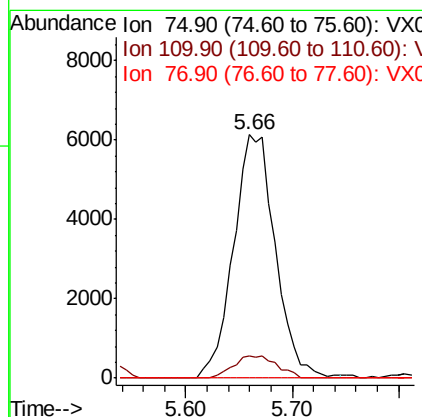
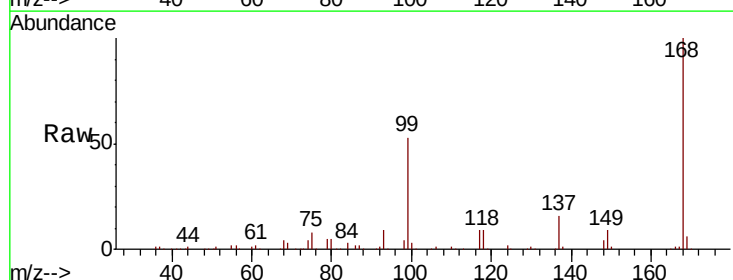
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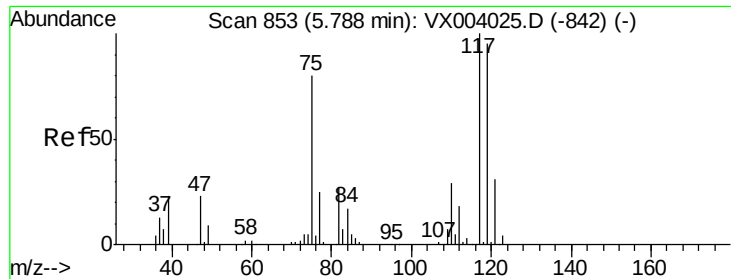
Tot Ion:113 Resp: 155346
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.0 123.0
 192 23.1 19.0 28.4



#36
 1,1-Dichloropropene
 Concen: 3.95 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.14 min
 Lab File: VX004085.D
 Acq: 15 Aug 2018 20:54

Tgt Ion: 75 Resp: 16880
 Ion Ratio Lower Upper
 75 100
 110 9.5 18.2 54.6#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.35 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX004085.D

Acq: 15 Aug 2018 20:54

Instrument :

MSVOA_X

ClientSampleId :

SES-MS-PH4-COA-3QTR

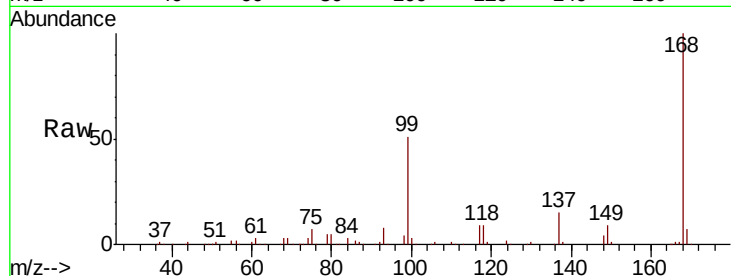
Tot Ion:117 Resp: 22218

Ion Ratio Lower Upper

117 100

119 7.0 79.5 119.3#

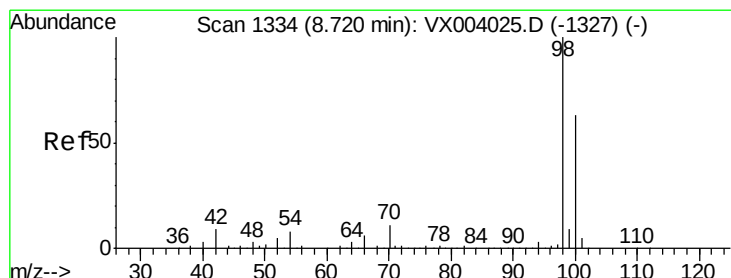
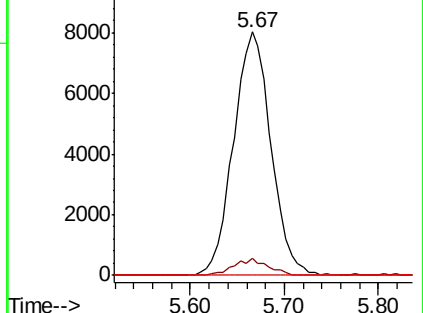
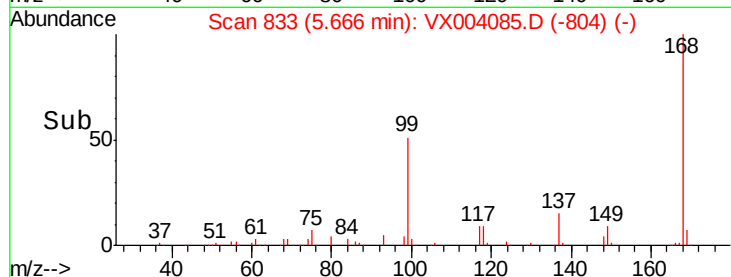
121 0.0 25.0 37.4#



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



#50

Toluene-d8

Concen: 47.23 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX004085.D

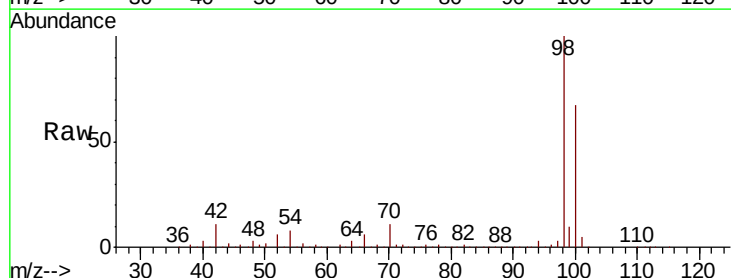
Acq: 15 Aug 2018 20:54

Tgt Ion: 98 Resp: 538842

Ion Ratio Lower Upper

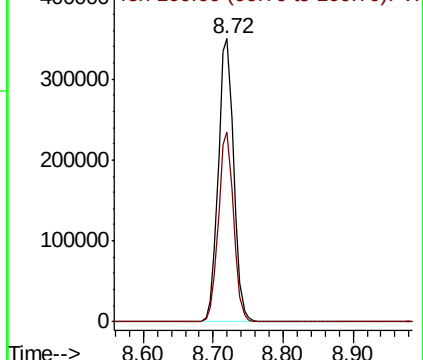
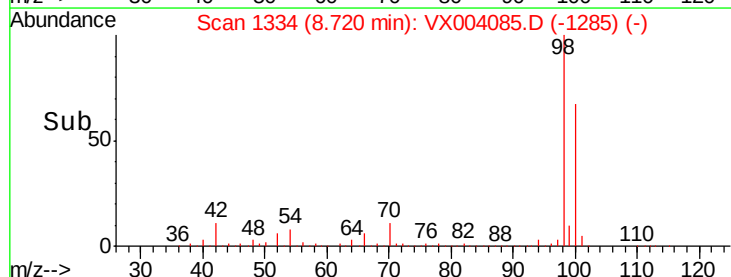
98 100

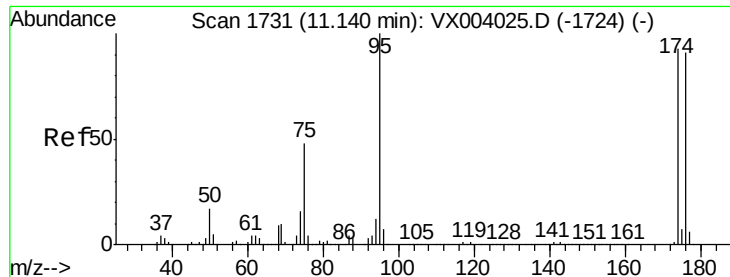
100 65.7 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

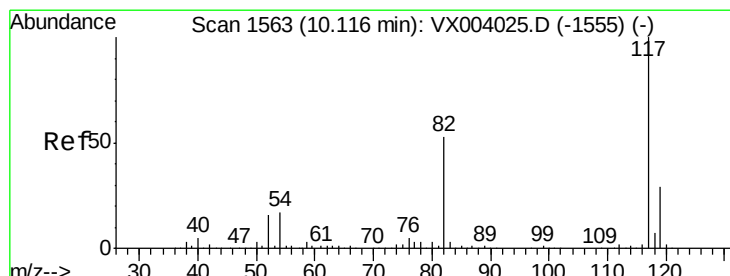
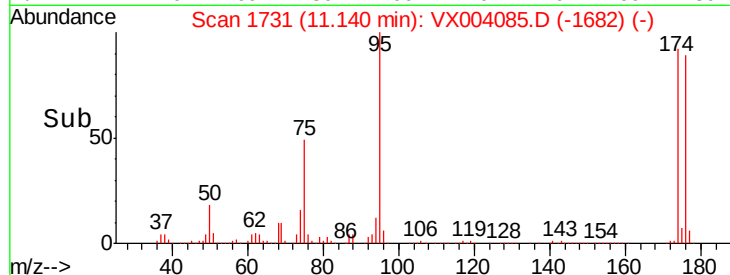
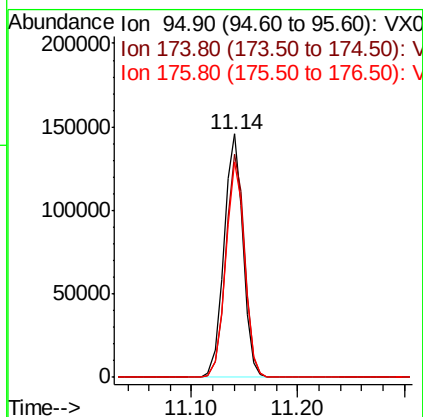
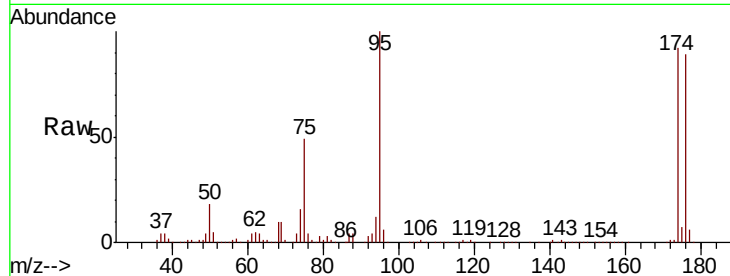




#62
4-Bromofluorobenzene
Concen: 43.84 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX004085.D
Acq: 15 Aug 2018 20:54

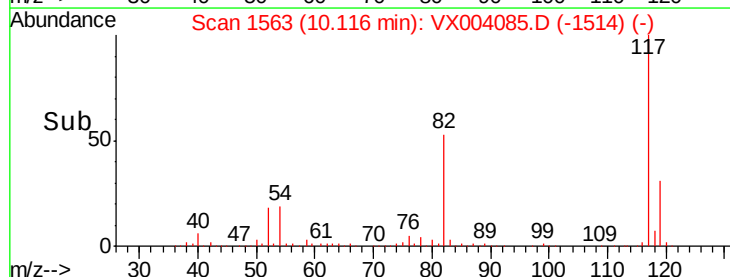
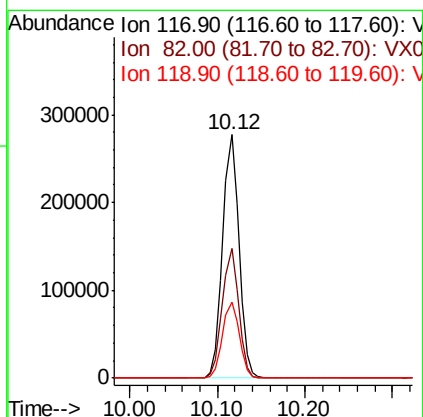
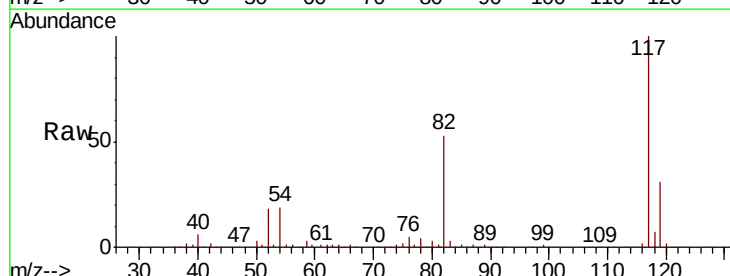
Instrument :
MSVOA_X
ClientSampleId :
SES-MS-PH4-COA-3QTR

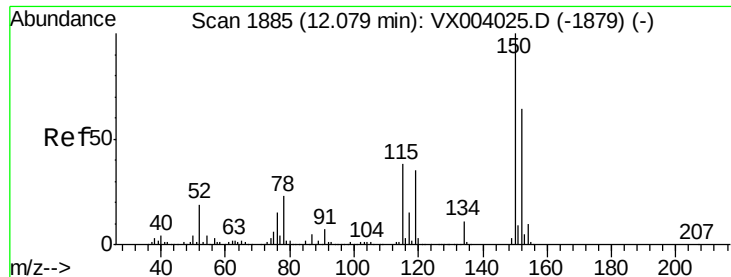
Tot Ion: 95 Resp: 181388
Ion Ratio Lower Upper
95 100
174 92.2 0.0 182.8
176 88.9 0.0 179.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004085.D
Acq: 15 Aug 2018 20:54

Tgt Ion: 117 Resp: 357735
Ion Ratio Lower Upper
117 100
82 53.1 45.4 68.0
119 31.1 26.6 40.0

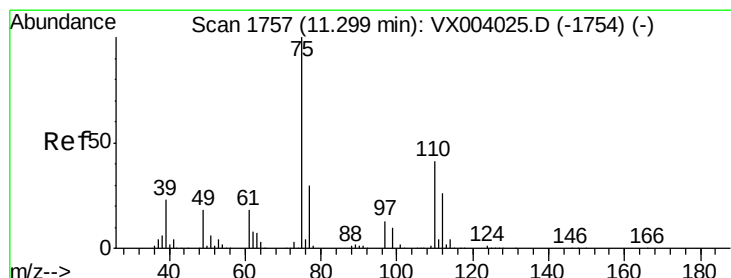
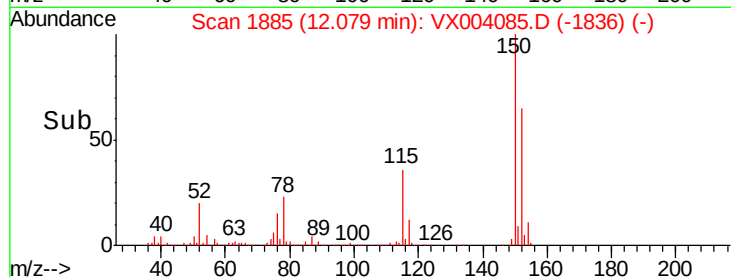
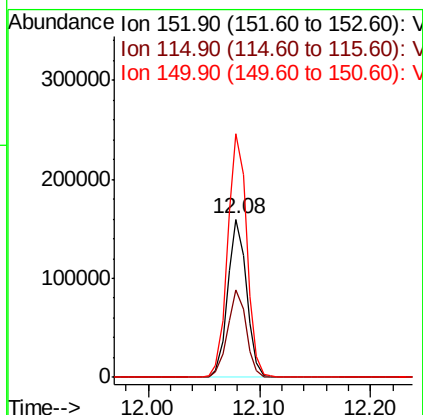
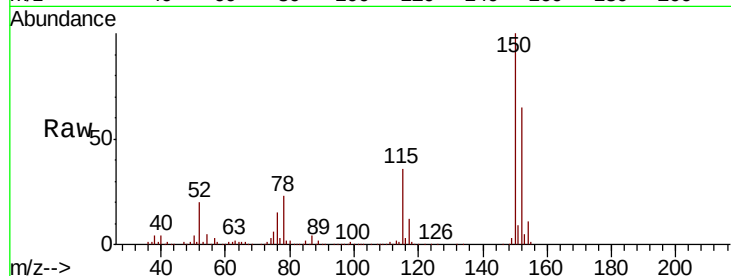




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.08 min Scan# 1885
 Delta R.T. -0.00 min
 Lab File: VX004085.D
 Acq: 15 Aug 2018 20:54

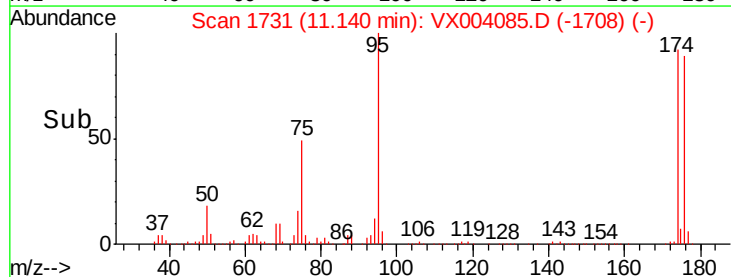
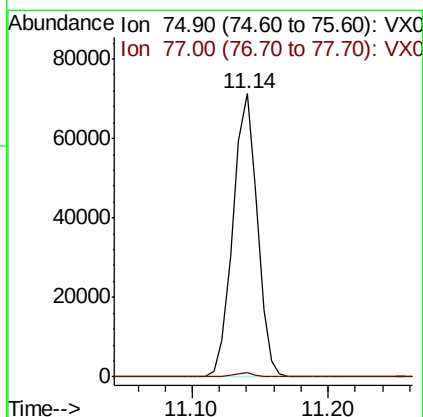
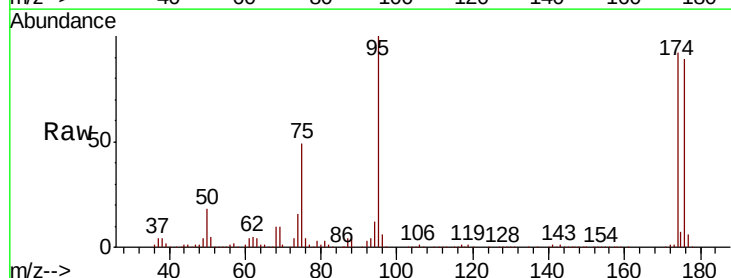
Instrument :
 MSVOA_X
 ClientSampleId :
 SES-MS-PH4-COA-3QTR

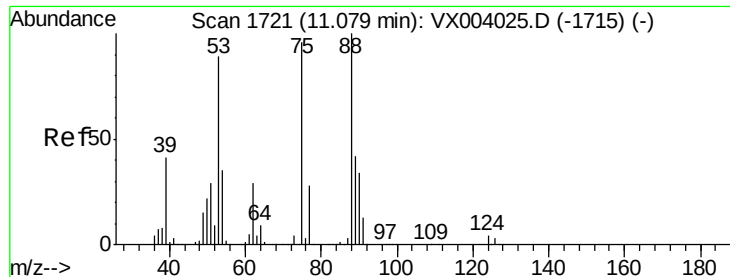
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.7	39.1	117.3
150	156.9	0.0	349.2



#76
 1,2,3-Trichloropropane
 Concen: 23.75 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX004085.D
 Acq: 15 Aug 2018 20:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	20.8	62.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 73.50 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX004085.D

Acq: 15 Aug 2018 20:54

Instrument :

MSVOA_X

ClientSampleId :

SES-MS-PH4-COA-3QTR

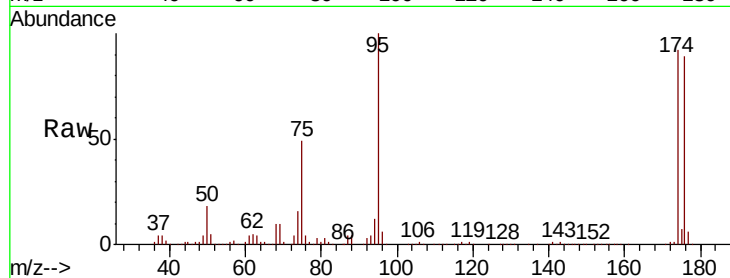
Tot Ion: 75 Resp: 88710

Ion Ratio Lower Upper

75 100

53 0.2 80.3 120.5#

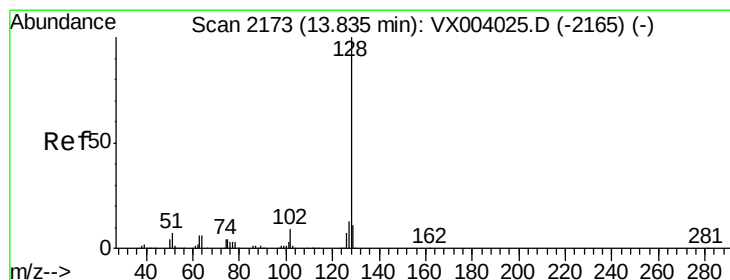
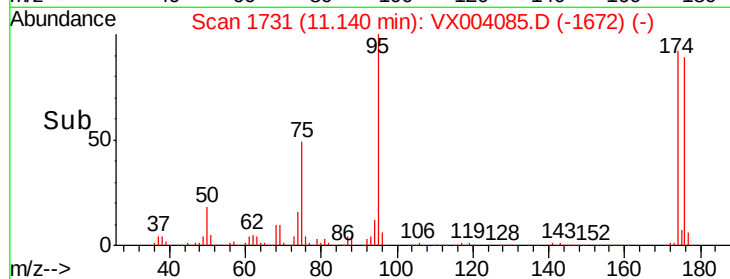
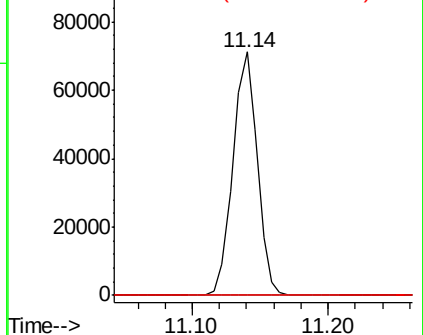
89 0.0 37.8 56.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#95

Naphthalene

Concen: 1.17 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.01 min

Lab File: VX004085.D

Acq: 15 Aug 2018 20:54

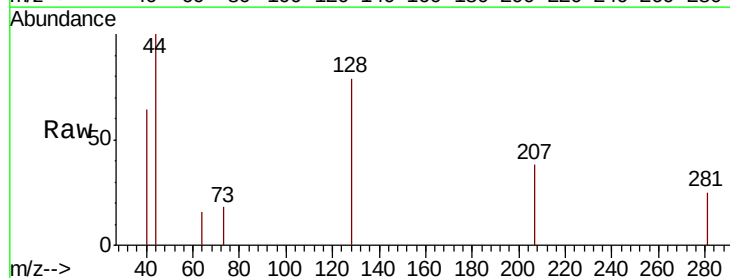
Tgt Ion: 128 Resp: 359

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 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

