

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072518\
 Data File : VN050044.D
 Acq On : 25 Jul 2018 13:24
 Operator : MD\SY
 Sample : J4146-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SES-CS-PH4-COA-01

Quant Time: Jul 26 06:07:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 25 10:32:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	122508	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	631333	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	508019	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.03	65	257466	30.92	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.07%
60) 4-Bromofluorobenzene	12.41	95	172820	22.14	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	73.80%
63) Toluene-d8	10.09	98	721771	29.74	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.13%

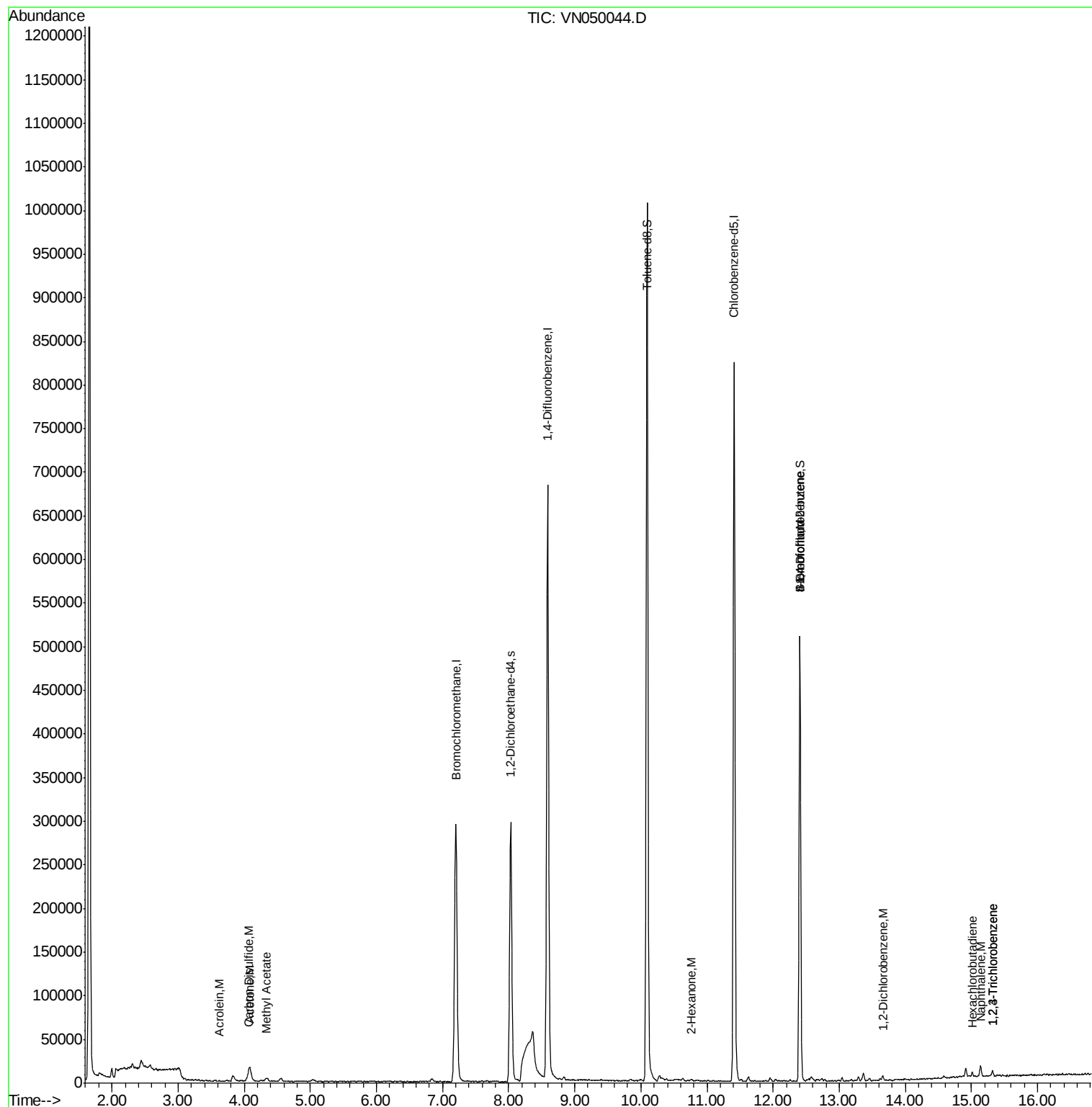
Target Compounds					Ovalue
12) Methyl Acetate	4.33	43	1943	0.26 ug/l #	80
13) Acrolein	3.62	56	144	0.31 ug/l #	39
15) Acetone	4.07	58	280	0.42 ug/l	78
16) Carbon Disulfide	4.05	76	8353	0.42 ug/l #	90
56) Bromoform	12.40	173	1346	0.24 ug/l #	1
59) 2-Hexanone	10.76	43	1516	0.38 ug/l #	74
77) t-1,4-Dichloro-2-butene	12.40	75	85336	38.53 ug/l #	14
87) 1,2-Dichlorobenzene	13.66	146	2846	0.22 ug/l	97
89) 1,2,4-Trichlorobenzene	15.32	180	2644	0.42 ug/l	95
90) Hexachlorobutadiene	15.01	225	1091	0.26 ug/l #	31
91) Naphthalene	15.14	128	10384	8.17 ug/l #	89
92) 1,2,3-Trichlorobenzene	15.32	180	2644	0.42 ug/l	96

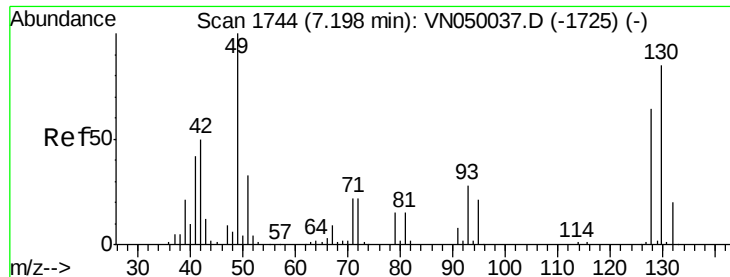
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072518\
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MSVOA_N
ClientSampleId :
SES-CS-PH4-COA-01

Quant Time: Jul 26 06:07:19 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 25 10:32:46 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VN050044.D

Acq: 25 Jul 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

SES-CS-PH4-COA-01

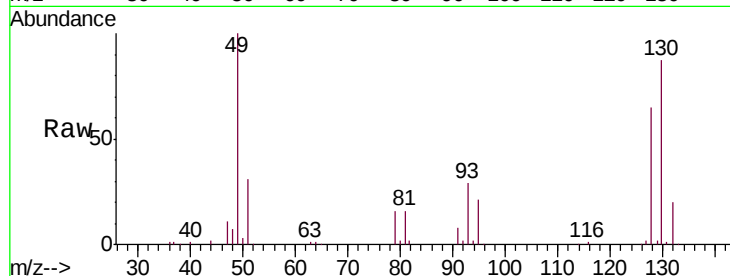
Tot Ion:128 Resp: 122508

Ion Ratio Lower Upper

128 100

49 153.5 0.0 378.3

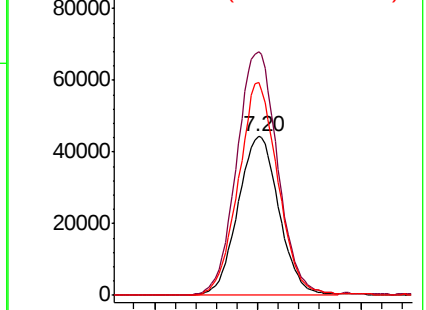
130 129.3 0.0 320.7



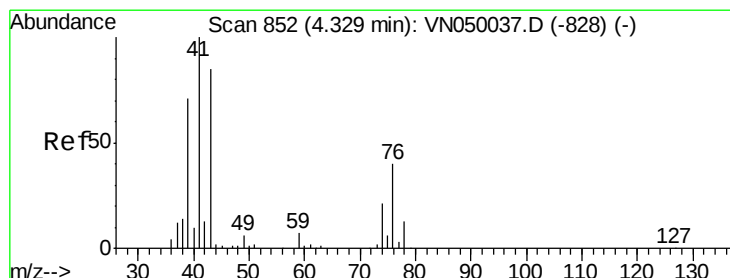
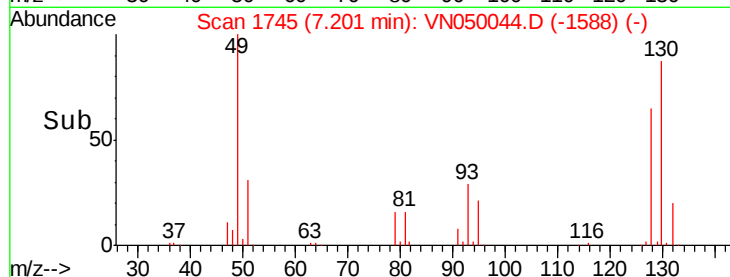
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



Time-->



#12

Methyl Acetate

Concen: 0.26 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN050044.D

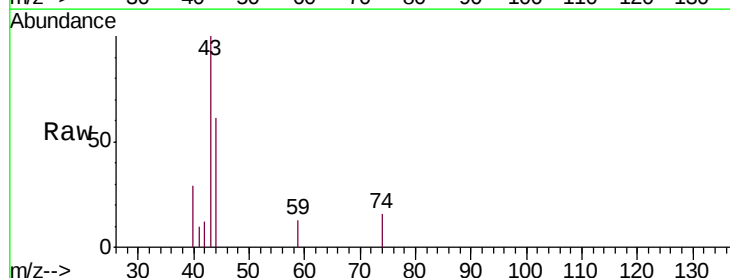
Acq: 25 Jul 2018 13:24

Tgt Ion: 43 Resp: 1943

Ion Ratio Lower Upper

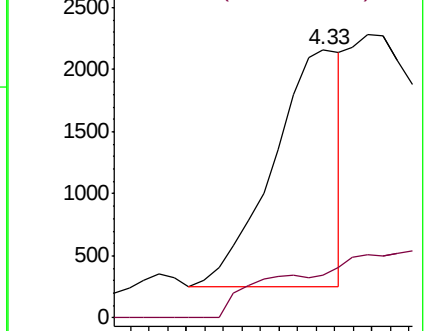
43 100

74 14.3 19.3 28.9#

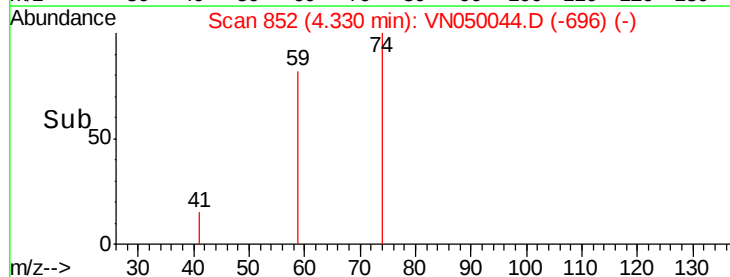


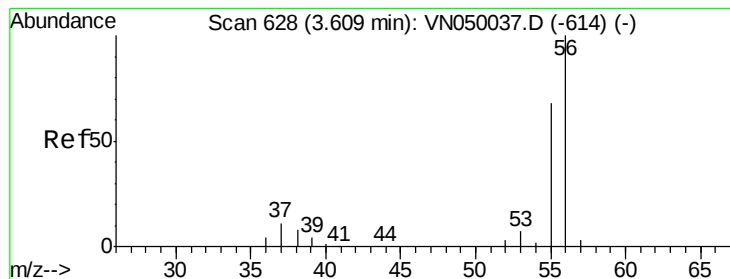
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



Time-->





#13

Acrolein

Concen: 0.31 ug/l

RT: 3.62 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN050044.D

Acq: 25 Jul 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

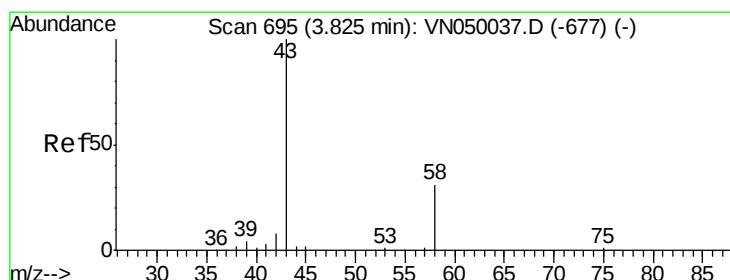
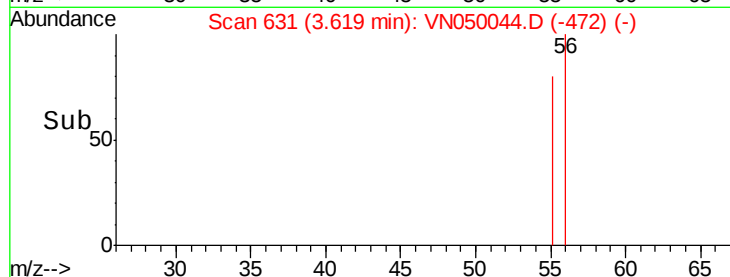
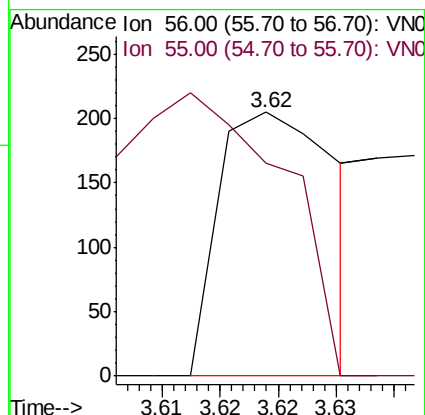
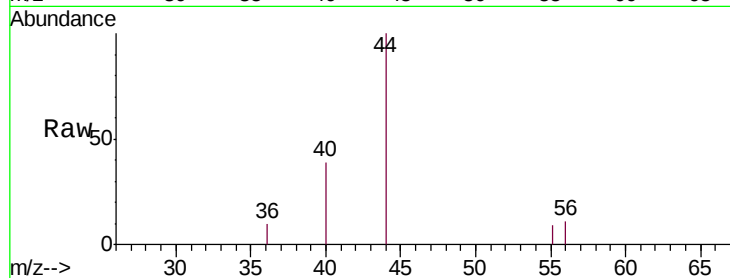
SES-CS-PH4-COA-01

Tot Ion: 56 Resp: 144

Ion Ratio Lower Upper

56 100

55 125.0 58.6 88.0#



#15

Acetone

Concen: 0.42 ug/l

RT: 4.07 min Scan# 772

Delta R.T. 0.25 min

Lab File: VN050044.D

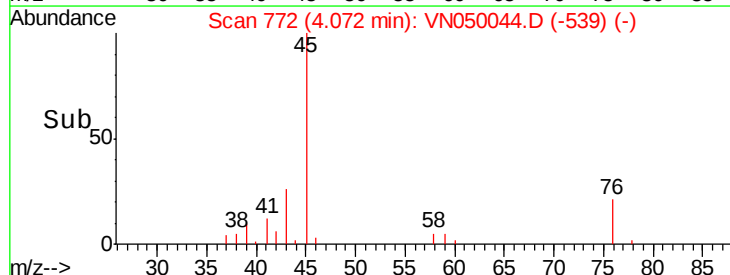
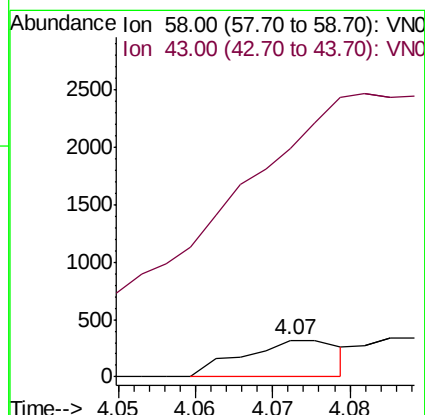
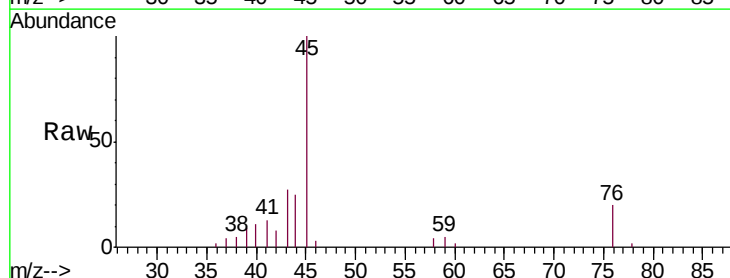
Acq: 25 Jul 2018 13:24

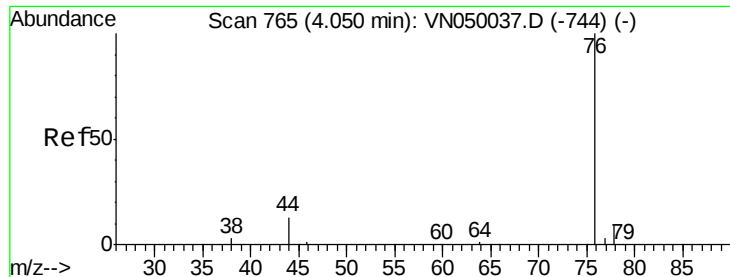
Tgt Ion: 58 Resp: 280

Ion Ratio Lower Upper

58 100

43 269.6 252.0 378.0





#16

Carbon Disulfide

Concen: 0.42 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050044.D

Acq: 25 Jul 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

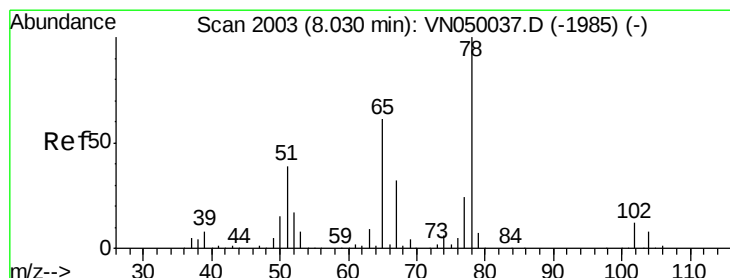
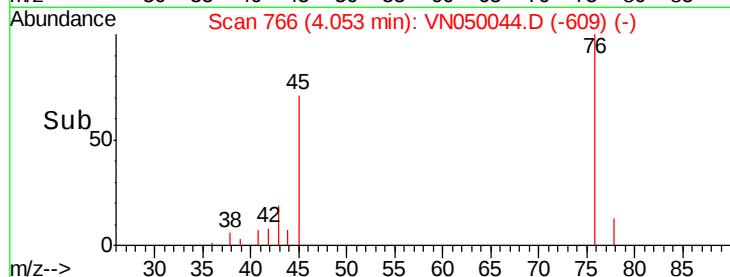
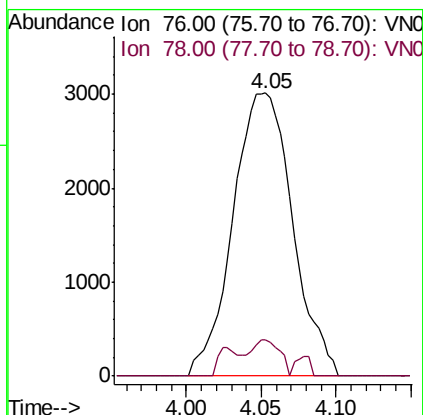
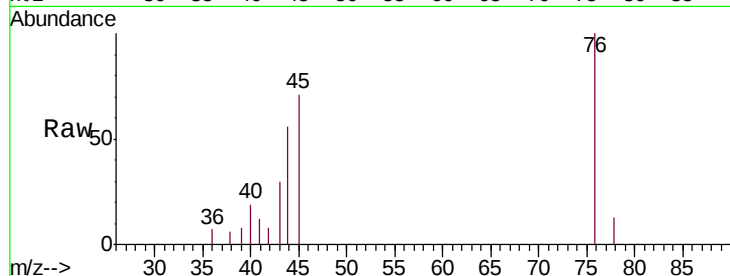
SES-CS-PH4-COA-01

Tot Ion: 76 Resp: 8353

Ion Ratio Lower Upper

76 100

78 12.7 7.3 10.9#



#27

1,2-Dichloroethane-d4

Concen: 30.92 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050044.D

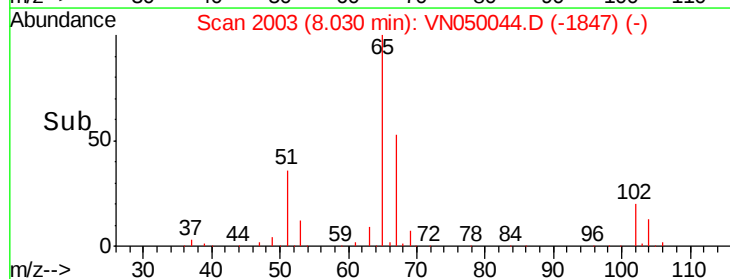
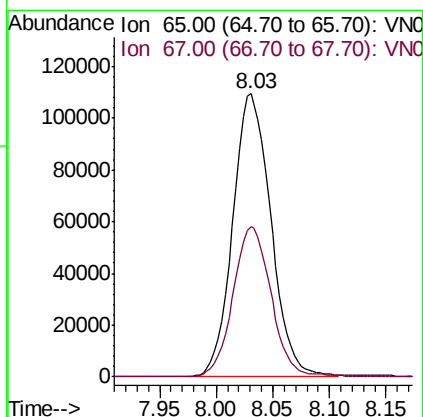
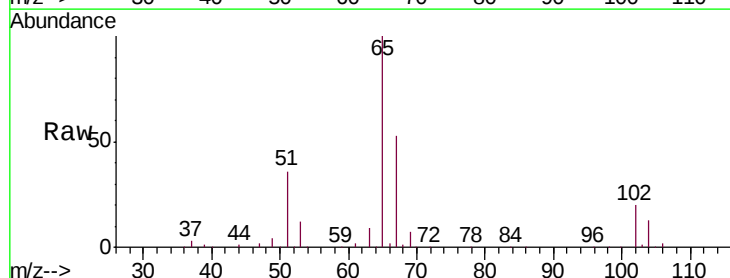
Acq: 25 Jul 2018 13:24

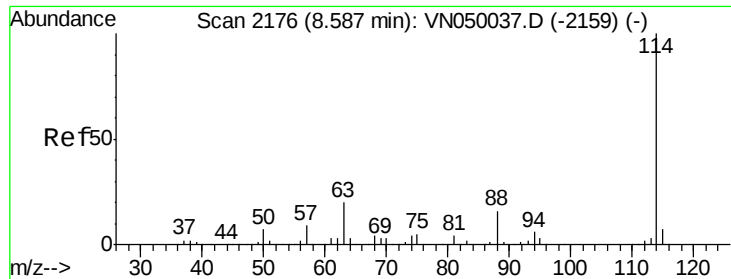
Tgt Ion: 65 Resp: 257466

Ion Ratio Lower Upper

65 100

67 53.0 42.7 64.1

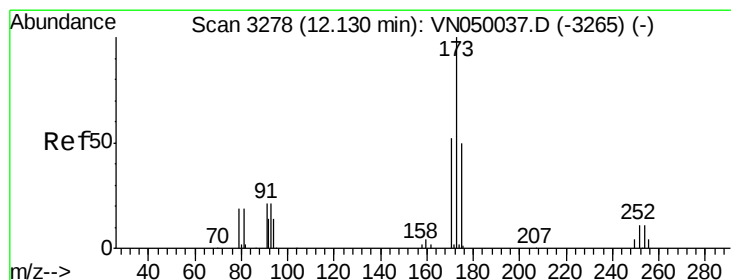
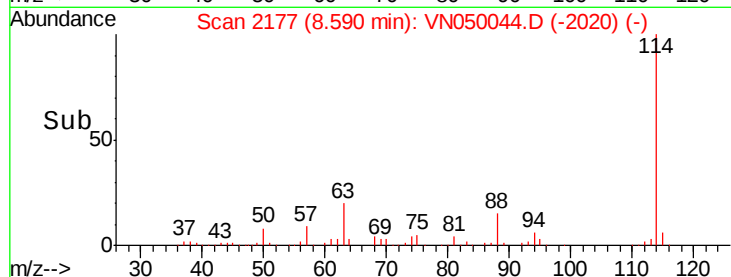
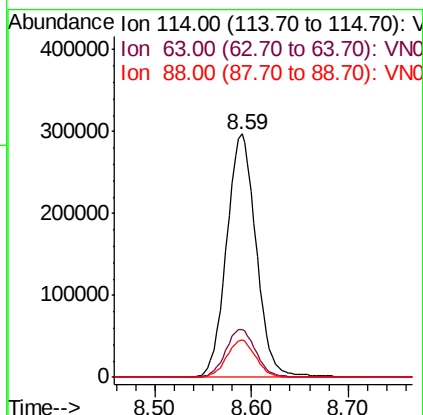
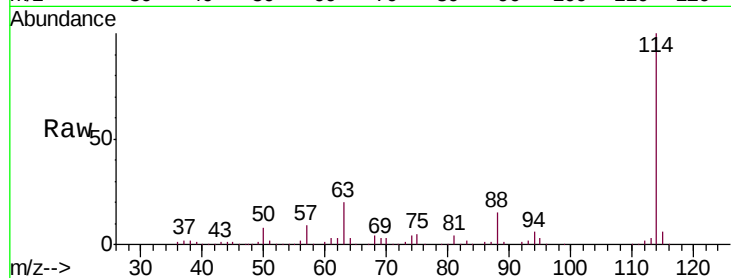




#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050044.D
 Acq: 25 Jul 2018 13:24

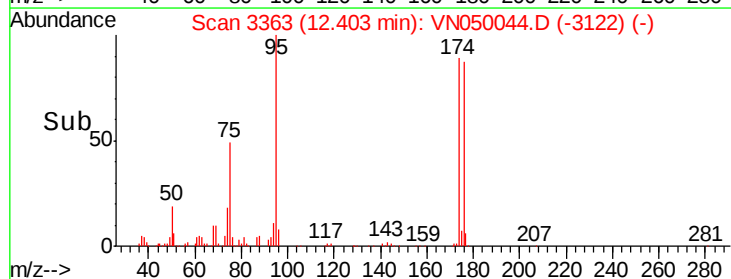
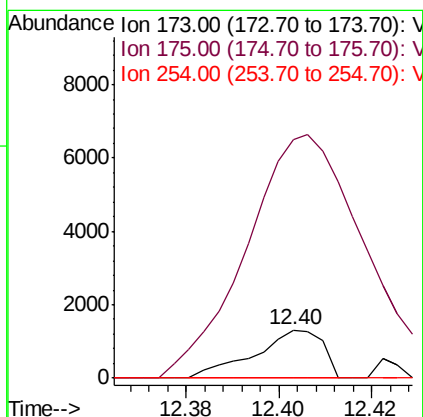
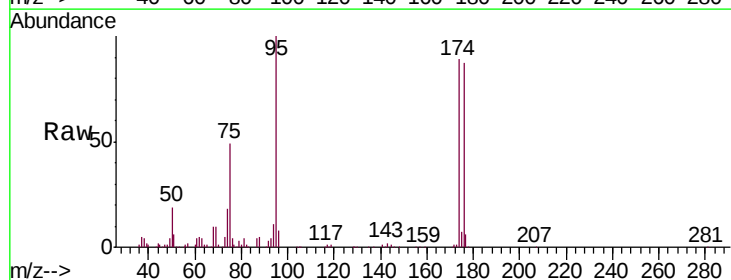
Instrument :
 MSVOA_N
 ClientSampleId :
 SES-CS-PH4-COA-01

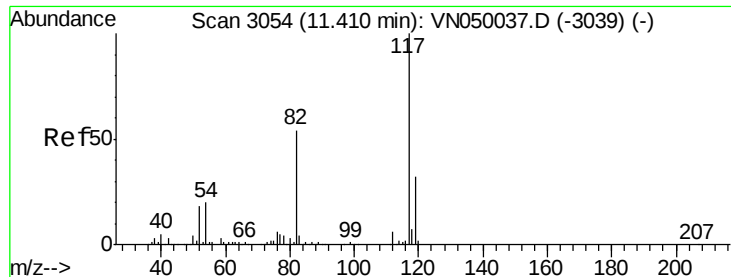
Tot Ion:114 Resp: 631333
 Ion Ratio Lower Upper
 114 100
 63 19.9 16.2 24.2
 88 14.9 12.3 18.5



#56
 Bromoform
 Concen: 0.24 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.27 min
 Lab File: VN050044.D
 Acq: 25 Jul 2018 13:24

Tgt Ion:173 Resp: 1346
 Ion Ratio Lower Upper
 173 100
 175 872.9 38.6 57.8#
 254 0.0 8.8 13.2#

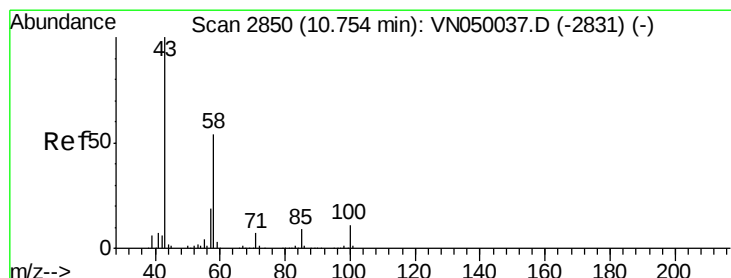
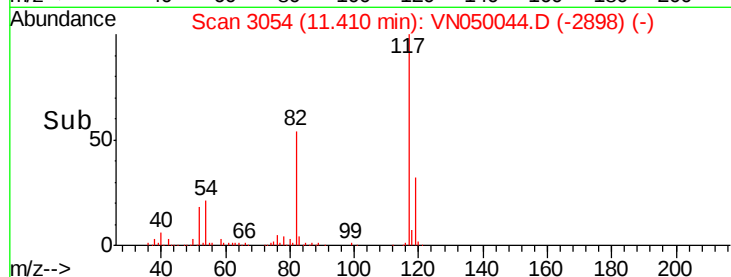
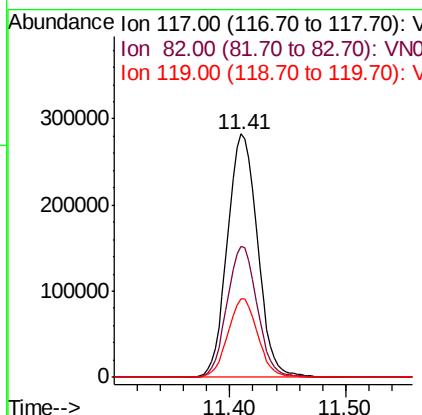
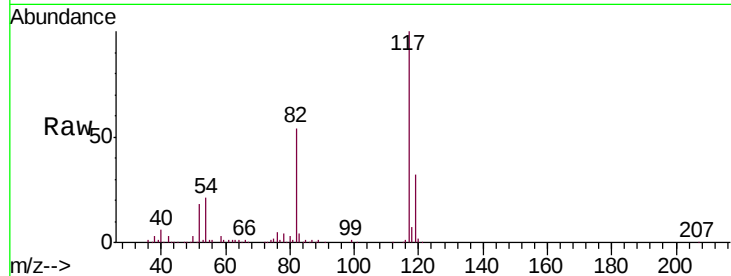




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050044.D
Acq: 25 Jul 2018 13:24

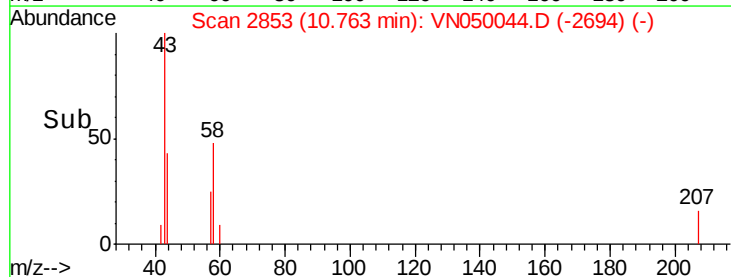
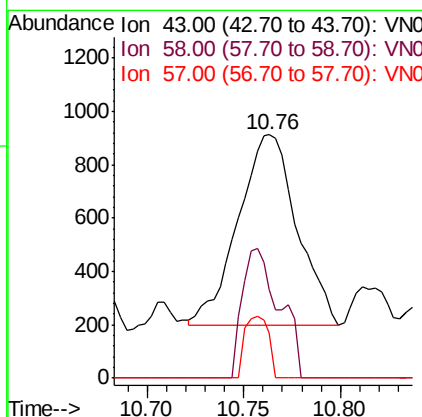
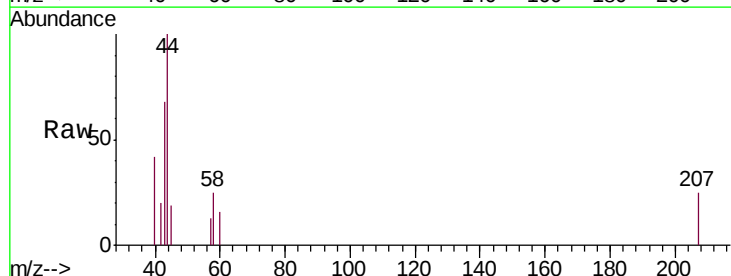
Instrument :
MSVOA_N
ClientSampleId :
SES-CS-PH4-COA-01

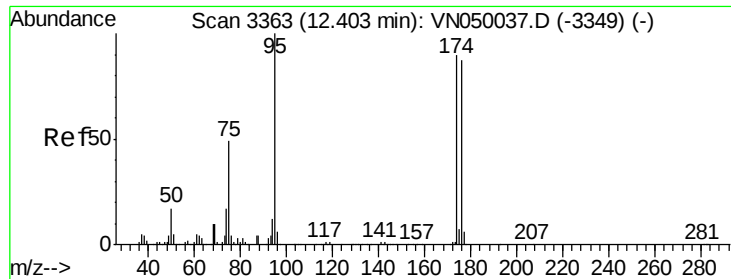
Tot Ion:117 Resp: 508019
Ion Ratio Lower Upper
117 100
82 54.0 42.4 63.6
119 32.1 25.4 38.0



#59
2-Hexanone
Concen: 0.38 ug/l
RT: 10.76 min Scan# 2853
Delta R.T. 0.01 min
Lab File: VN050044.D
Acq: 25 Jul 2018 13:24

Tgt Ion: 43 Resp: 1516
Ion Ratio Lower Upper
43 100
58 32.9 43.8 65.8#
57 13.1 15.1 22.7#





#60

4-Bromofluorobenzene

Concen: 22.14 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN050044.D

Acq: 25 Jul 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

SES-CS-PH4-COA-01

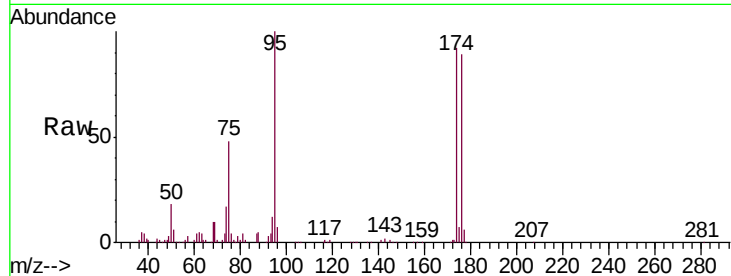
Tot Ion: 95 Resp: 172820

Ion Ratio Lower Upper

95 100

174 90.9 72.3 108.5

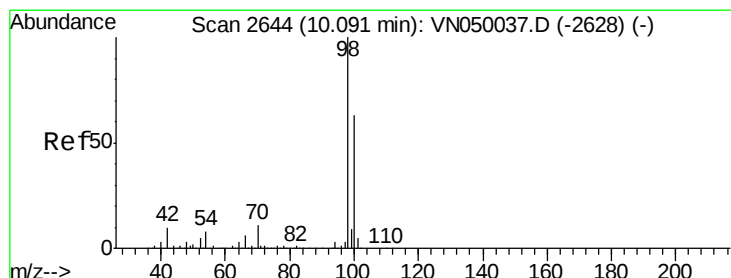
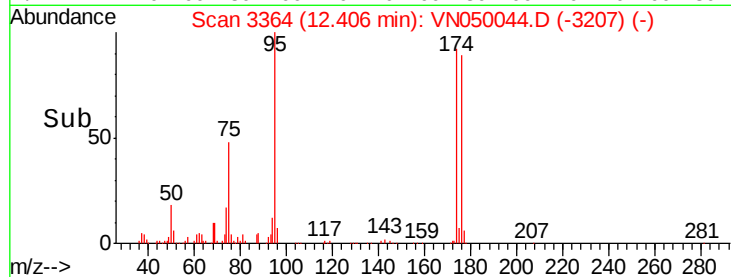
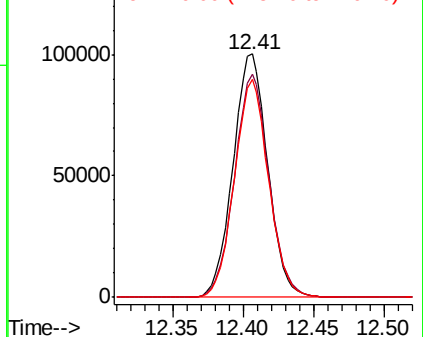
176 88.2 70.0 105.0



Abundance Ion 95.00 (94.70 to 95.70): VN050037.D (-3349) (-)

Ion 174.00 (173.70 to 174.70): VN050037.D (-3349) (-)

Ion 176.00 (175.70 to 176.70): VN050037.D (-3349) (-)



#63

Toluene-d8

Concen: 29.74 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050044.D

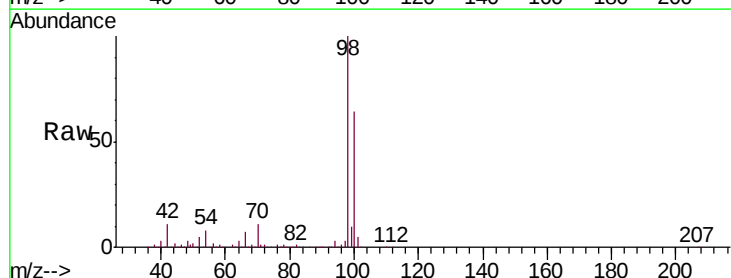
Acq: 25 Jul 2018 13:24

Tgt Ion: 98 Resp: 721771

Ion Ratio Lower Upper

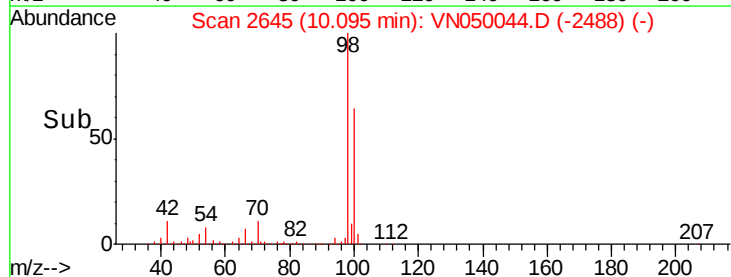
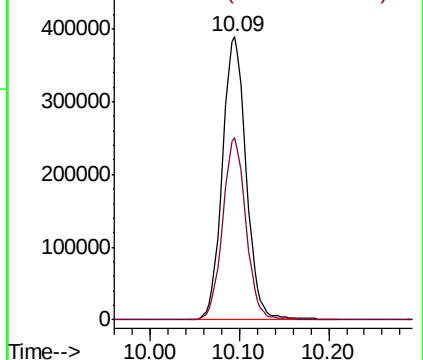
98 100

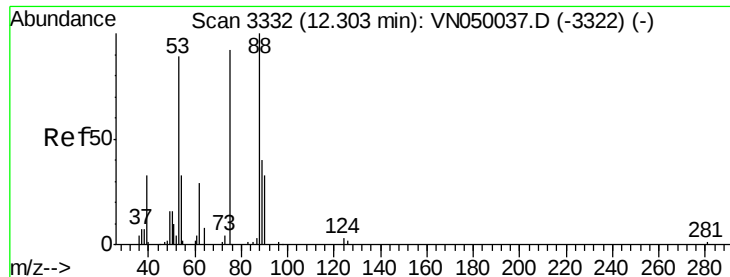
100 63.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN050037.D (-2628) (-)

Ion 100.00 (99.70 to 100.70): VN050037.D (-2628) (-)

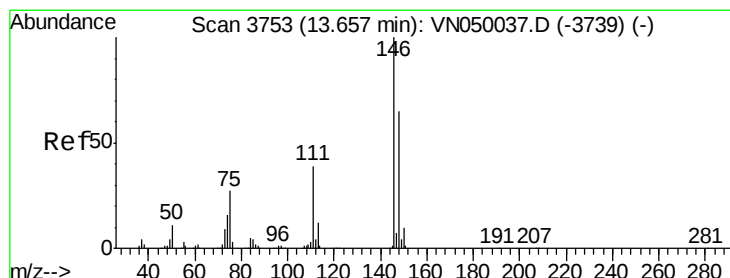
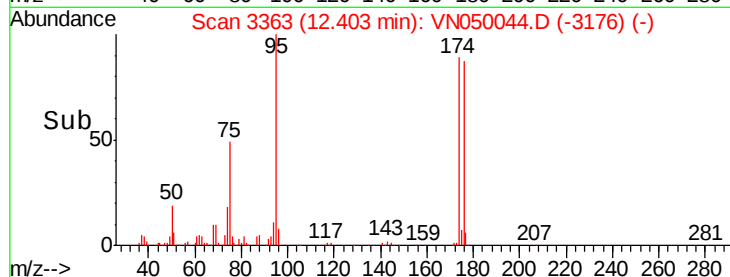
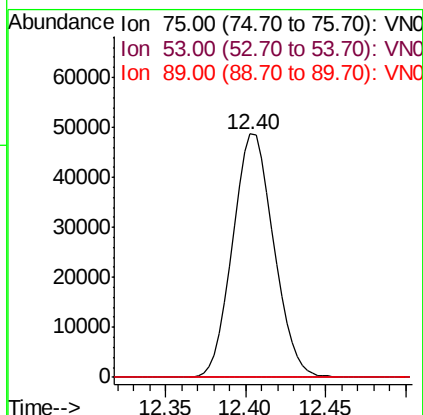
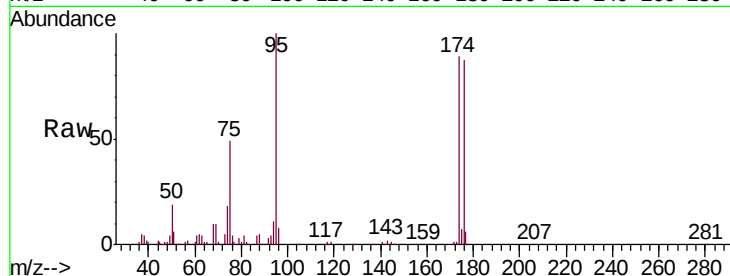




#77
t-1,4-Dichloro-2-butene
Concen: 38.53 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.10 min
Lab File: VN050044.D
Acq: 25 Jul 2018 13:24

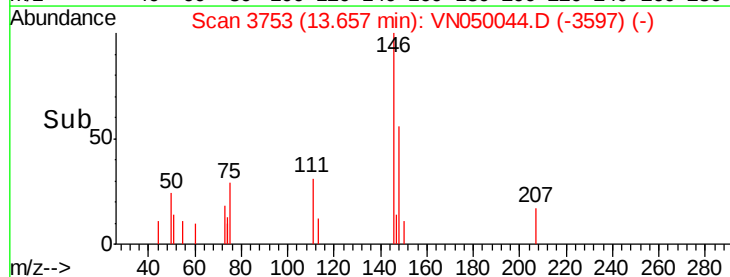
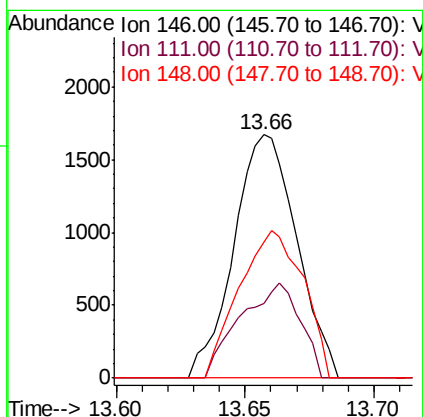
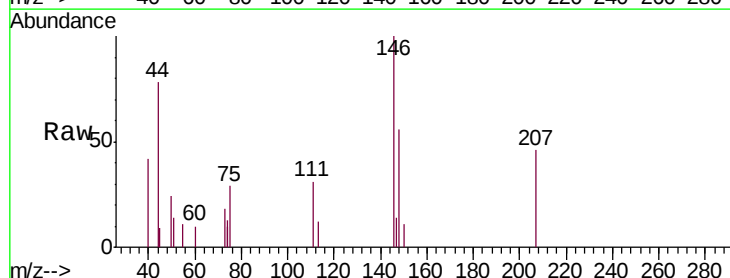
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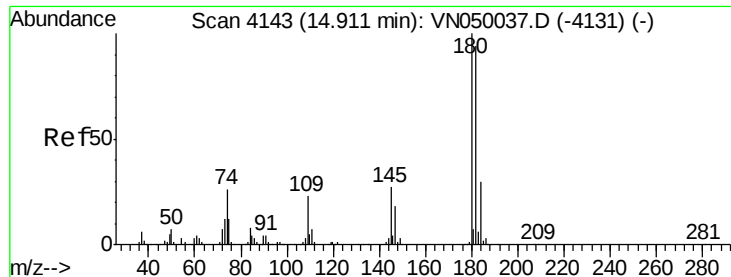
Tot Ion: 75 Resp: 85336
Ion Ratio Lower Upper
75 100
53 0.4 44.6 134.0#
89 0.0 20.7 62.1#



#87
1,2-Dichlorobenzene
Concen: 0.22 ug/l
RT: 13.66 min Scan# 3753
Delta R.T. 0.00 min
Lab File: VN050044.D
Acq: 25 Jul 2018 13:24

Tgt Ion: 146 Resp: 2846
Ion Ratio Lower Upper
146 100
111 37.1 19.8 59.3
148 62.0 31.8 95.3

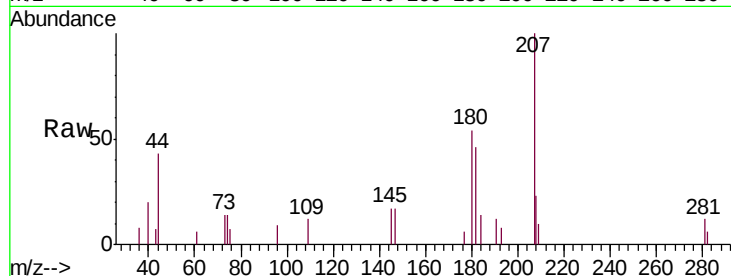




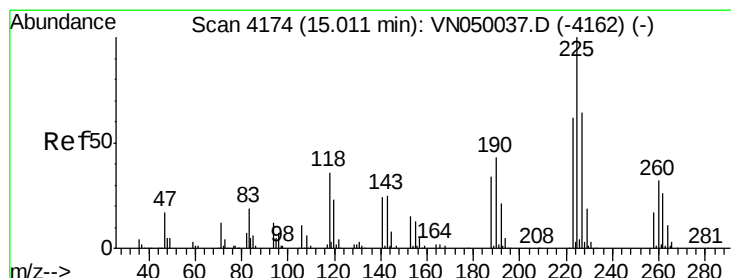
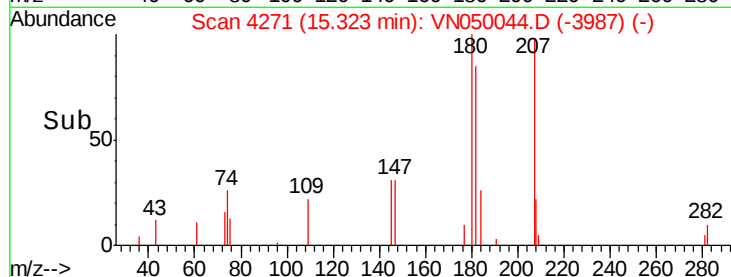
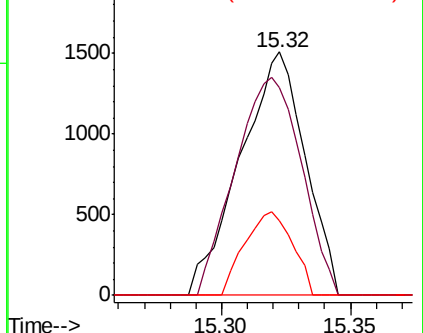
#89
 1,2,4-Trichlorobenzene
 Concen: 0.42 ug/l
 RT: 15.32 min Scan# 4271
 Delta R.T. 0.41 min
 Lab File: VN050044.D
 Acq: 25 Jul 2018 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 SES-CS-PH4-COA-01

Tot Ion:180 Resp: 2644
 Ion Ratio Lower Upper
 180 100
 182 91.8 76.7 115.1
 145 25.5 23.4 35.0

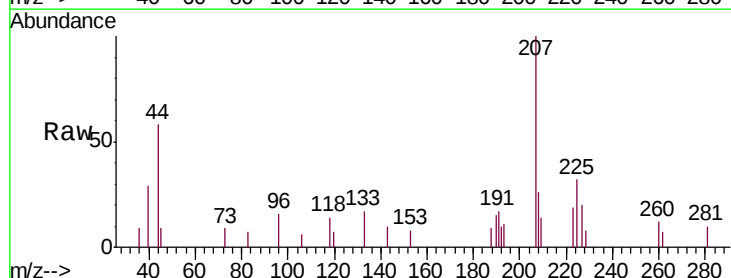


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

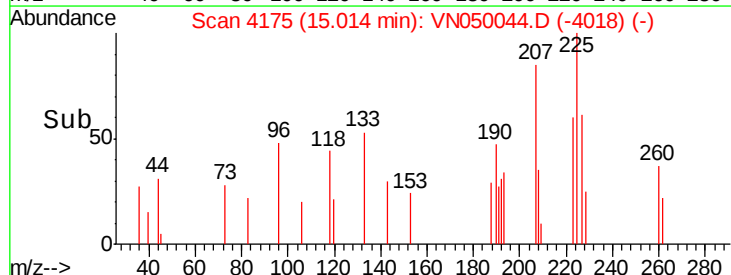
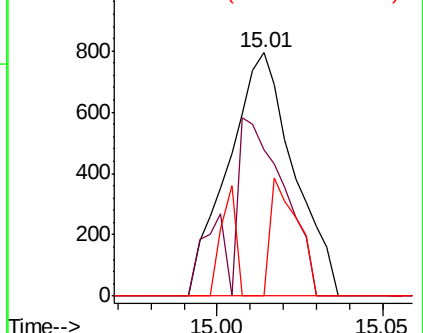


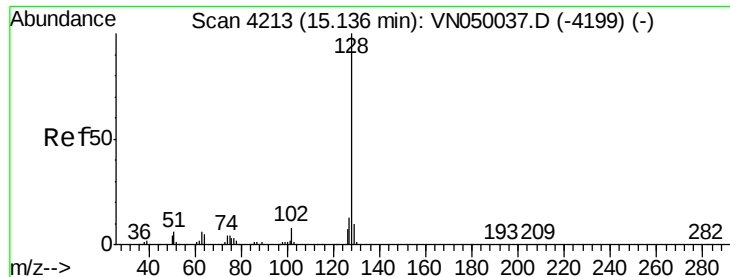
#90
 Hexachlorobutadiene
 Concen: 0.26 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050044.D
 Acq: 25 Jul 2018 13:24

Tgt Ion:225 Resp: 1091
 Ion Ratio Lower Upper
 225 100
 223 0.0 0.0 124.4
 227 20.3 0.0 133.0



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 8.17 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050044.D

Acq: 25 Jul 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

SES-CS-PH4-COA-01

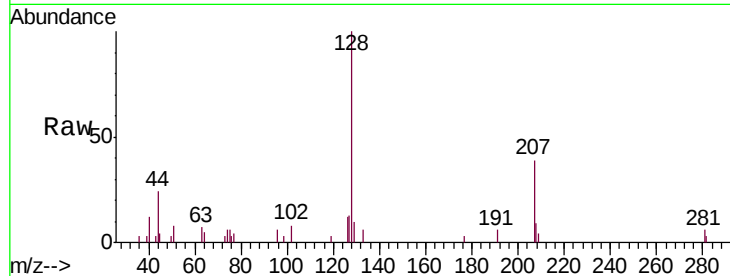
Tot Ion:128 Resp: 10384

Ion Ratio Lower Upper

128 100

127 15.0 10.2 15.4

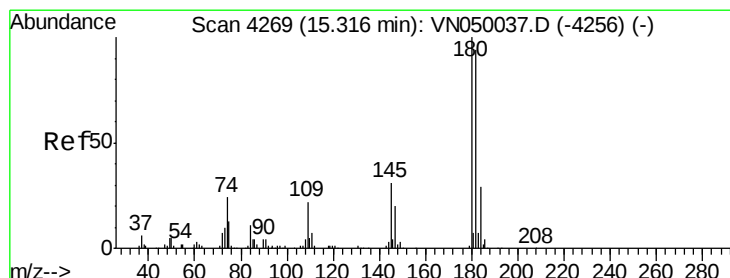
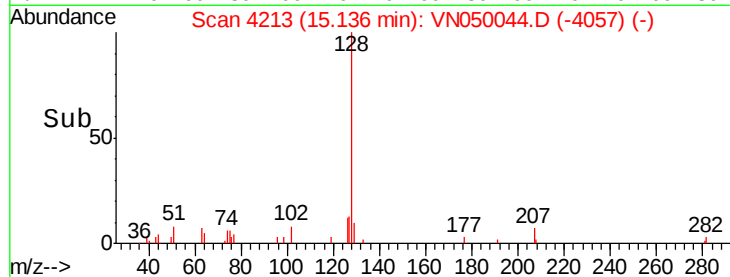
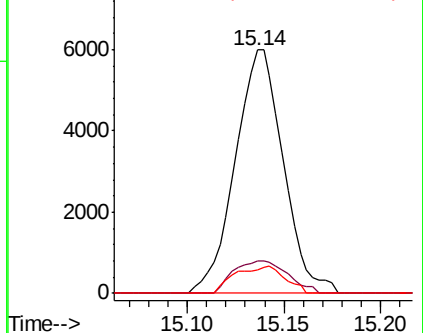
129 4.9 9.0 13.4#



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



#92

1,2,3-Trichlorobenzene

Concen: 0.42 ug/l

RT: 15.32 min Scan# 4271

Delta R.T. 0.01 min

Lab File: VN050044.D

Acq: 25 Jul 2018 13:24

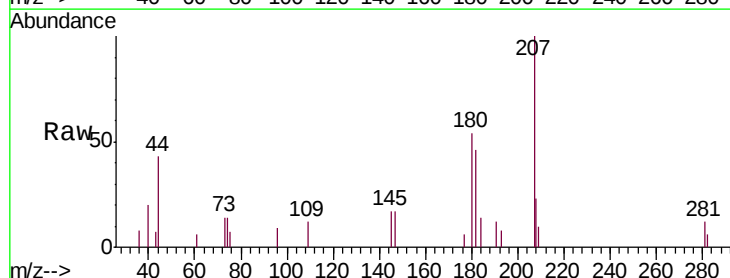
Tgt Ion:180 Resp: 2644

Ion Ratio Lower Upper

180 100

182 91.8 0.0 188.8

145 25.5 0.0 60.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

