

Data Path : W:\HPCHEM1\MSVOA_V\DATA\VV050718\
 Data File : VV005832.D
 Acq On : 07 May 2018 22:06
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00599

Quant Time: May 08 01:25:58 2018
 Quant Method : W:\HPCHEM1\MSVOA_V\METHOD\SOMVTR050518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue May 08 01:22:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	238549	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	235891	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	107806	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	85192	4.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.00%
7) Chloroethane-d5	1.58	69	74080	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.80%
11) 1,1-Dichloroethene-d2	2.14	63	180621	4.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.40%
20) 2-Butanone-d5	3.96	46	200370	56.25	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.50%
24) Chloroform-d	4.41	84	168228	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
26) 1,2-Dichloroethane-d4	5.09	65	99712	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.11	84	309969	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	6.12	67	96879	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	7.37	98	295622	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
43) trans-1,3-Dichloropropene-	7.67	79	38179	4.92	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.40%
46) 2-Hexanone-d5	8.14	63	153102	50.51	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.02%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	73395	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	104225	4.65	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	118682	5.05	ug/L	90
3) Chloromethane	1.26	50	100348	4.58	ug/L	97
5) Vinyl chloride	1.33	62	110336	4.74	ug/L	99
6) Bromomethane	1.54	94	32385	3.11	ug/L	100
8) Chloroethane	1.60	64	72146	5.18	ug/L	96
9) Trichlorofluoromethane	1.77	101	161726	4.73	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	87544	4.68	ug/L	97
12) 1,1-Dichloroethene	2.15	96	82137	4.82	ug/L	82
13) Acetone	2.20	43	152547	50.57	ug/L	98
14) Carbon disulfide	2.32	76	241060	4.30	ug/L	100
15) Methyl Acetate	2.47	43	40009	5.06	ug/L	95
16) Methylene chloride	2.54	84	95449	5.04	ug/L	100
17) Methyl tert-butyl Ether	2.82	73	223747	5.27	ug/L	99
18) trans-1,2-Dichloroethene	2.80	96	90631	4.83	ug/L	98
19) 1,1-Dichloroethane	3.23	63	185939	5.11	ug/L	98
21) 2-Butanone	4.04	43	226315	55.21	ug/L	95
22) cis-1,2-Dichloroethene	3.97	96	95486	5.19	ug/L	95

Data Path : W:\HPCHEM1\MSVOA_V\DATA\VV050718\
 Data File : VV005832.D
 Acq On : 07 May 2018 22:06
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00599

Quant Time: May 08 01:25:58 2018
 Quant Method : W:\HPCHEM1\MSVOA_V\METHOD\SOMVTR050518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue May 08 01:22:26 2018
 Response via : Initial Calibration

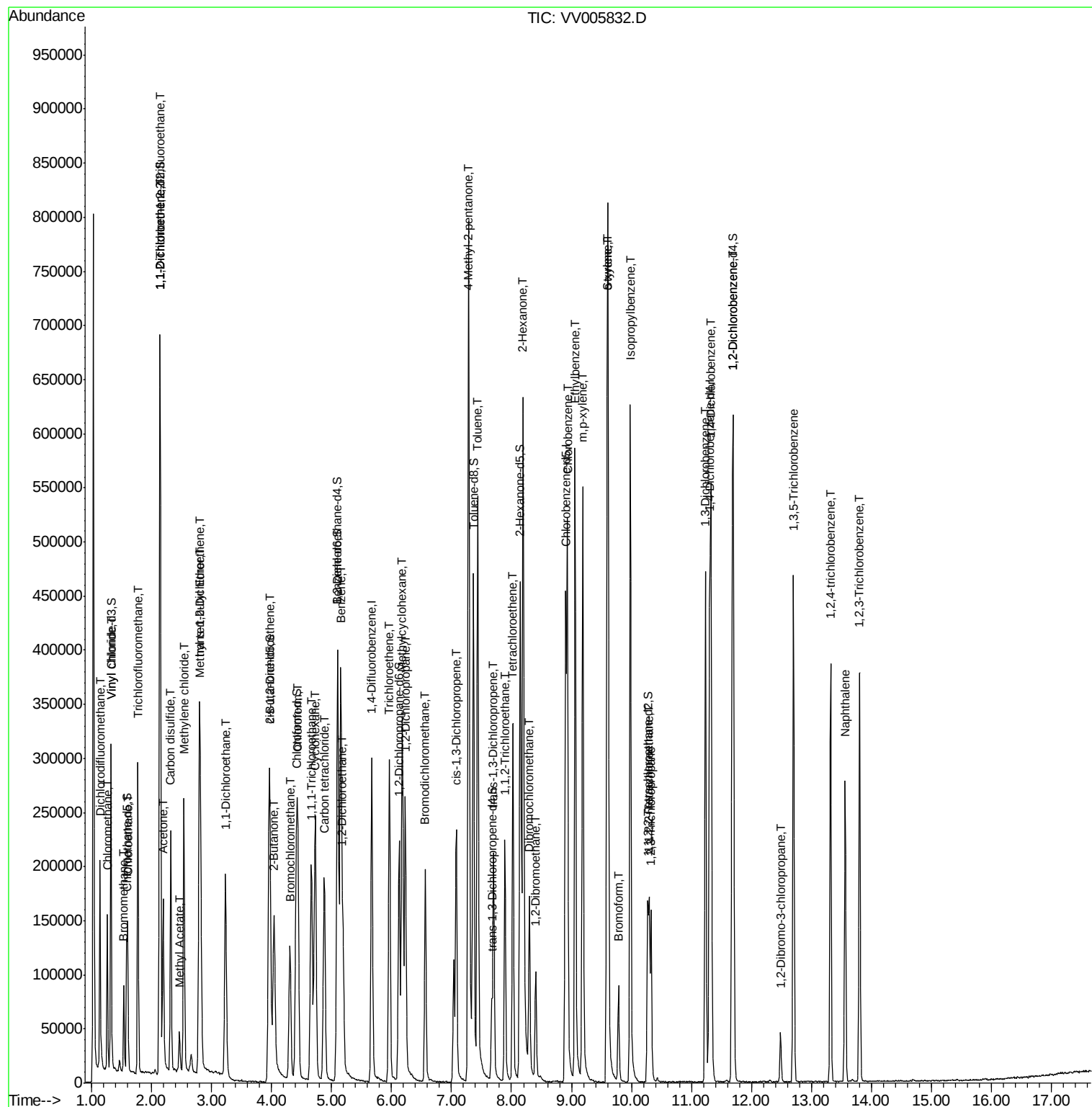
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	40124	5.19	ug/L	93
25) Chloroform	4.44	83	195272	5.11	ug/L	96
27) 1,2-Dichloroethane	5.19	62	122417	5.31	ug/L	99
29) 1,1,1-Trichloroethane	4.67	97	154093	5.03	ug/L	99
30) Cyclohexane	4.73	56	120081	4.61	ug/L	99
31) Carbon tetrachloride	4.88	117	132564	4.81	ug/L	100
33) Benzene	5.15	78	360288	5.25	ug/L	100
34) Trichloroethene	5.97	95	99988	5.12	ug/L	99
35) Methylcyclohexane	6.18	83	124537	4.53	ug/L	96
37) 1,2-Dichloropropane	6.23	63	89886	5.29	ug/L	100
38) Bromodichloromethane	6.56	83	126421	5.30	ug/L #	99
39) cis-1,3-Dichloropropene	7.08	75	127948	5.21	ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	588100	55.87	ug/L	99
42) Toluene	7.44	91	384972	5.12	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	108296	5.30	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	66253	5.23	ug/L	96
47) Tetrachloroethene	8.02	164	66721	4.87	ug/L	97
48) 2-Hexanone	8.19	43	442144	56.88	ug/L	99
49) Dibromochloromethane	8.30	129	78227	5.33	ug/L	97
50) 1,2-Dibromoethane	8.40	107	63091	5.39	ug/L	97
51) Chlorobenzene	8.93	112	251547	5.10	ug/L	98
52) Ethylbenzene	9.06	91	411236	5.05	ug/L	98
53) m,p-xylene	9.19	106	153130	5.15	ug/L	100
54) o-xylene	9.59	106	150763	5.26	ug/L	98
55) Styrene	9.61	104	255829	5.35	ug/L	99
56) Isopropylbenzene	9.98	105	397784	5.16	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.30	83	72652	5.19	ug/L	99
59) 1,2,3-Trichloropropane	10.33	75	62747	5.56	ug/L	100
61) Bromoform	9.78	173	36866	5.26	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	178130	5.09	ug/L	98
63) 1,4-Dichlorobenzene	11.33	146	186357	5.10	ug/L	98
65) 1,2-Dichlorobenzene	11.70	146	177335	5.15	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	11164	4.88	ug/L	92
67) 1,3,5-Trichlorobenzene	12.70	180	128726	5.05	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	103558	5.44	ug/L	97
69) Naphthalene	13.56	128	203385	6.69	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	98915	5.44	ug/L	100

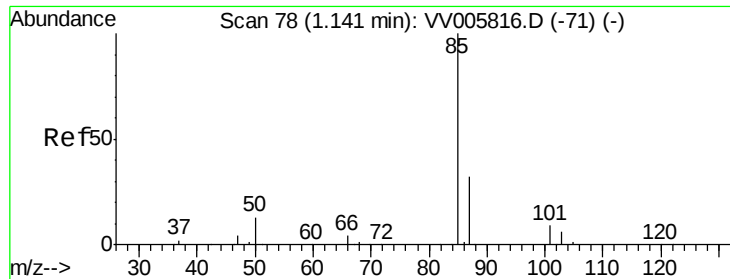
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA_V\DATA\VV050718\
Data File : VV005832.D
Acq On : 07 May 2018 22:06
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleID :
VSTD00599

Quant Time: May 08 01:25:58 2018
Quant Method : W:\HPCHEM1\MSVOA_V\METHOD\SOMVTR050518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue May 08 01:22:26 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.05 ug/L

RT: 1.14 min Scan# 78

Delta R.T. -0.00 min

Lab File: VV005832.D

Acq: 07 May 2018 22:06

Instrument :

MSVOA_V

ClientSampleId :

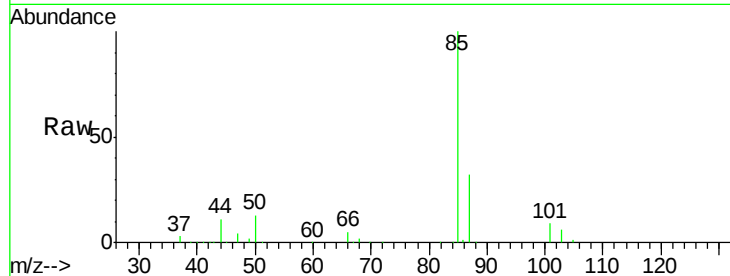
VSTD00599

Tgt Ion: 85 Resp: 118682

Ion Ratio Lower Upper

85 100

87 32.1 21.6 32.4



Abundance Ion 85.00 (84.70 to 85.70): VV005816.D (-71) (-)

Ion 87.00 (86.70 to 87.70): VV005816.D (-71) (-)

1.14

120000

100000

80000

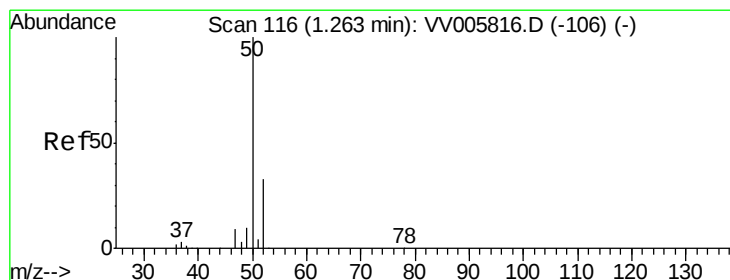
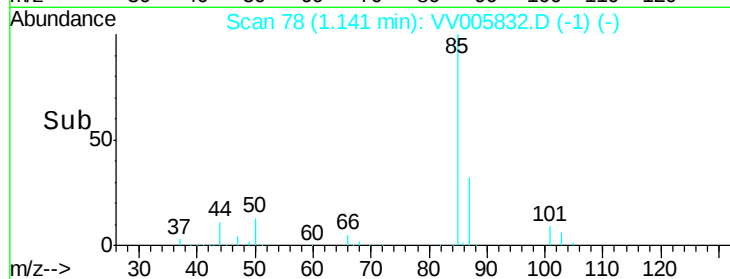
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 4.58 ug/L

RT: 1.26 min Scan# 116

Delta R.T. -0.00 min

Lab File: VV005832.D

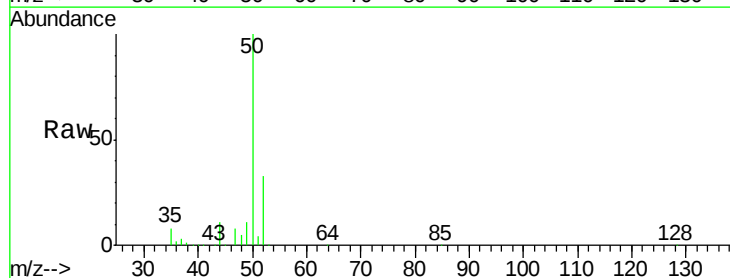
Acq: 07 May 2018 22:06

Tgt Ion: 50 Resp: 100348

Ion Ratio Lower Upper

50 100

52 33.0 21.8 40.6



Abundance Ion 50.05 (49.75 to 50.75): VV005816.D (-106) (-)

Ion 52.05 (51.75 to 52.75): VV005816.D (-106) (-)

1.26

80000

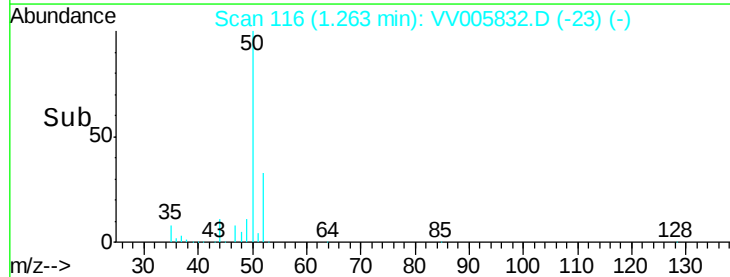
60000

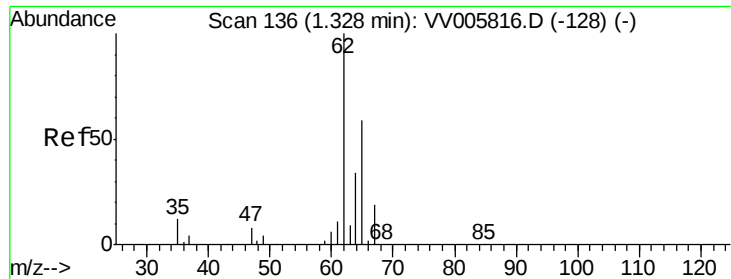
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 4.74 ug/L

RT: 1.33 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV005832.D

Acq: 07 May 2018 22:06

Instrument :

MSVOA_V

ClientSampleId :

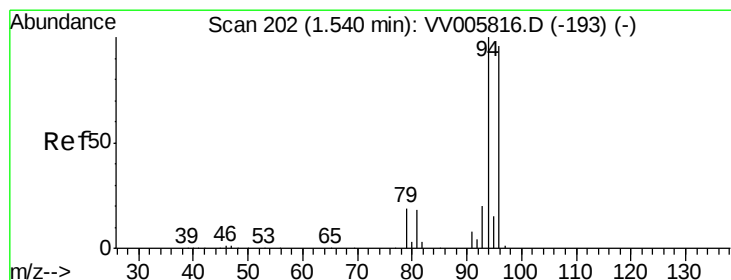
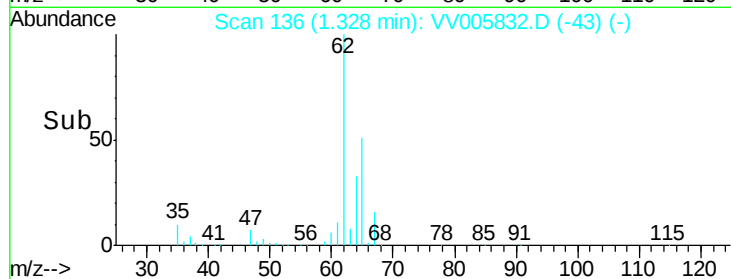
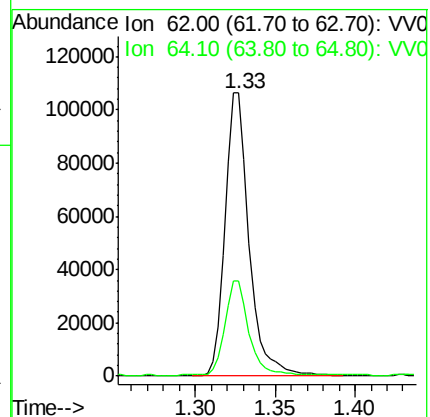
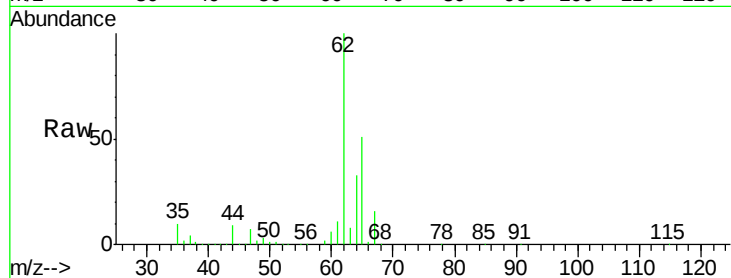
VSTD00599

Tgt Ion: 62 Resp: 110336

Ion Ratio Lower Upper

62 100

64 33.5 23.1 42.9



#6

Bromomethane

Concen: 3.11 ug/L

RT: 1.54 min Scan# 201

Delta R.T. -0.00 min

Lab File: VV005832.D

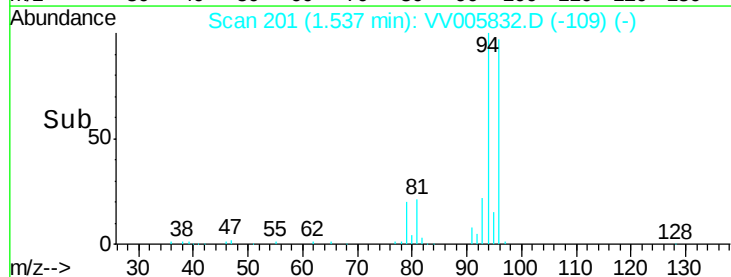
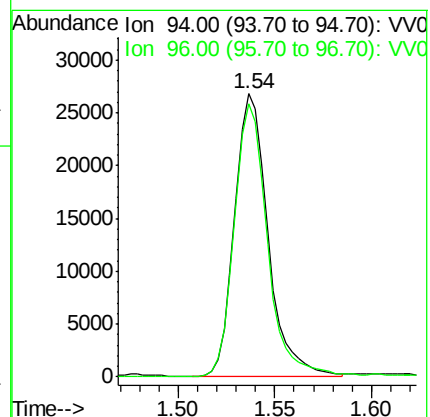
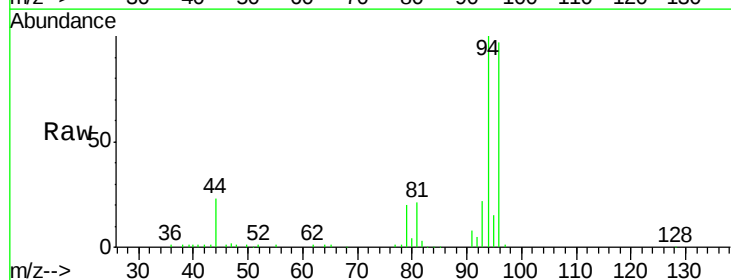
Acq: 07 May 2018 22:06

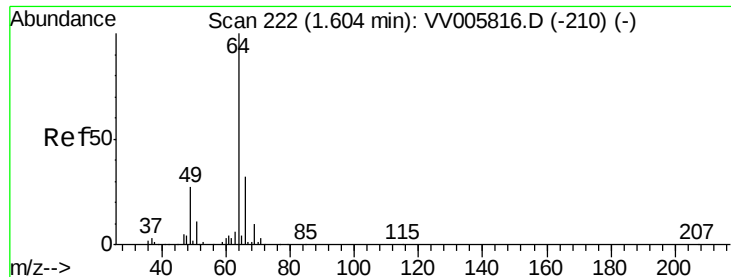
Tgt Ion: 94 Resp: 32385

Ion Ratio Lower Upper

94 100

96 96.7 68.0 126.2





#8

Chloroethane

Concen: 5.18 ug/L

RT: 1.60 min Scan# 222

Delta R.T. -0.00 min

Lab File: VV005832.D

Acq: 07 May 2018 22:06

Instrument :

MSVOA_V

ClientSampleId :

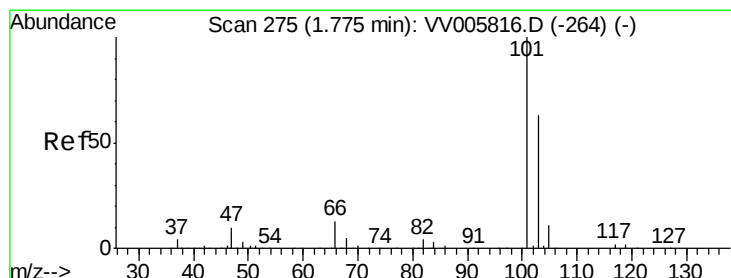
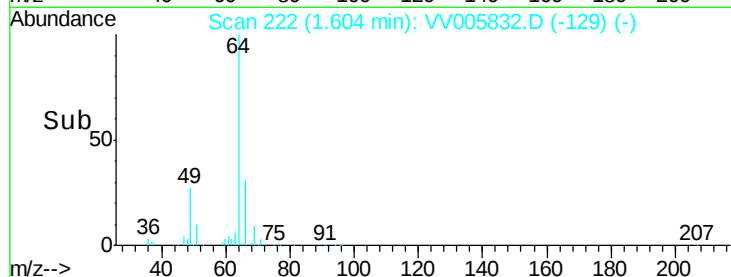
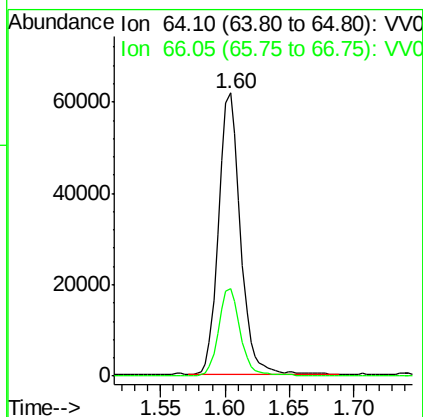
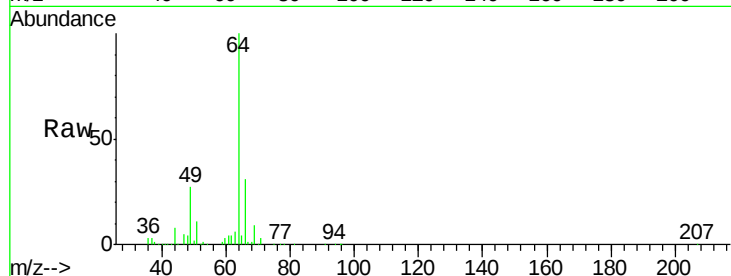
VSTD00599

Tgt Ion: 64 Resp: 72146

Ion Ratio Lower Upper

64 100

66 31.1 23.5 43.7



#9

Trichlorofluoromethane

Concen: 4.73 ug/L

RT: 1.77 min Scan# 275

Delta R.T. -0.00 min

Lab File: VV005832.D

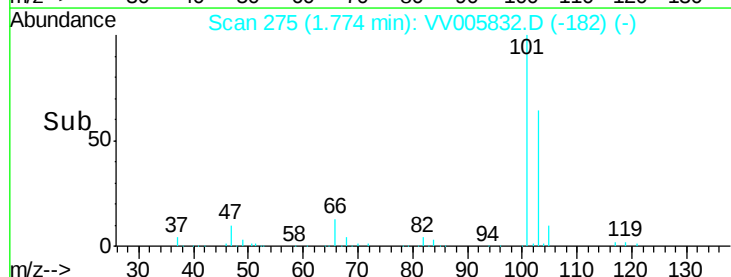
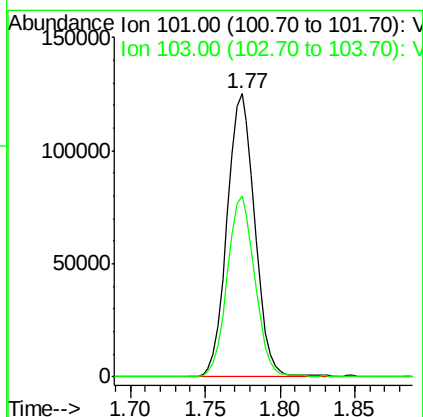
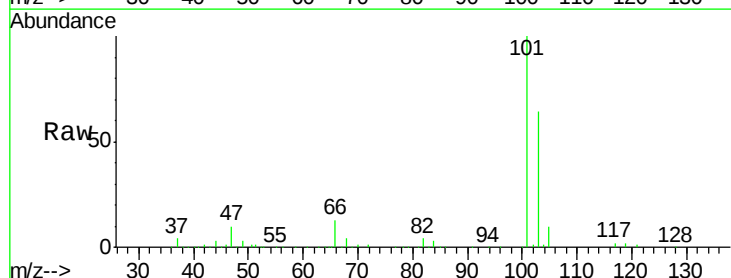
Acq: 07 May 2018 22:06

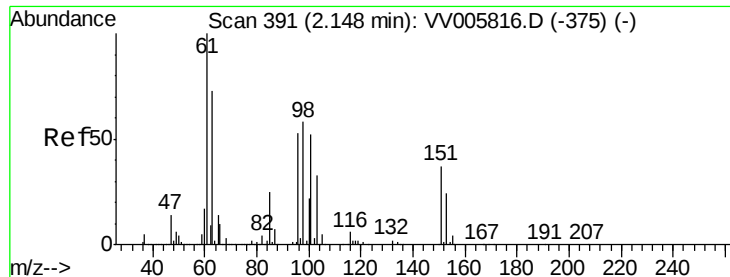
Tgt Ion: 101 Resp: 161726

Ion Ratio Lower Upper

101 100

103 63.7 51.2 76.8





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.68 ug/L

RT: 2.14 min Scan# 390

Delta R.T. -0.00 min

Lab File: VV005832.D

Acq: 07 May 2018 22:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD00599

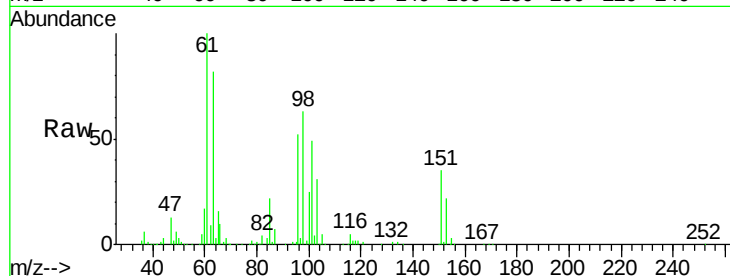
Tgt Ion:101 Resp: 87544

Ion Ratio Lower Upper

101 100

85 45.2 37.8 56.8

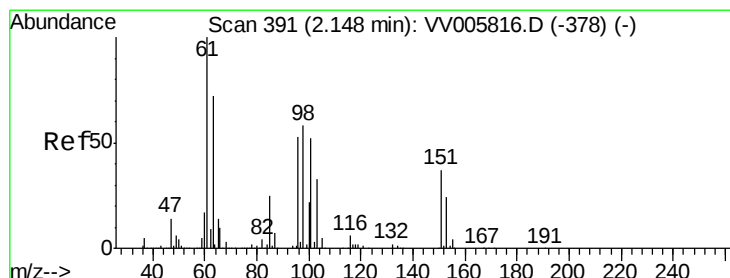
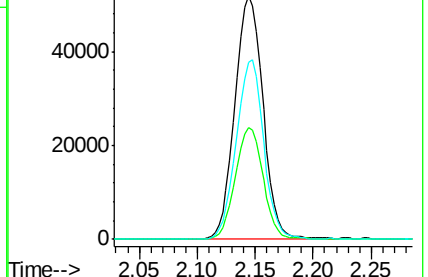
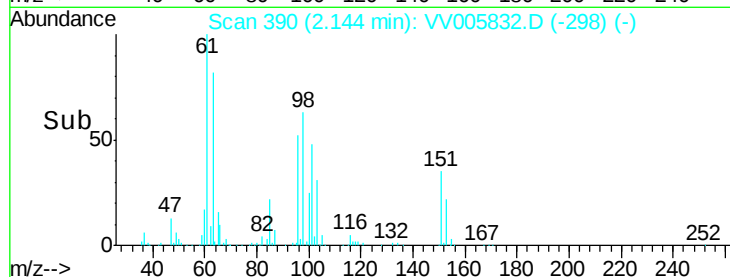
151 71.7 58.9 88.3



Abundance Ion 101.00 (100.70 to 101.70): VV005832.D (-298) (-)

Ion 85.00 (84.70 to 85.70): VV005832.D (-298) (-)

Ion 151.00 (150.70 to 151.70): VV005832.D (-298) (-)



#12

1,1-Dichloroethene

Concen: 4.82 ug/L

RT: 2.15 min Scan# 391

Delta R.T. -0.00 min

Lab File: VV005832.D

Acq: 07 May 2018 22:06

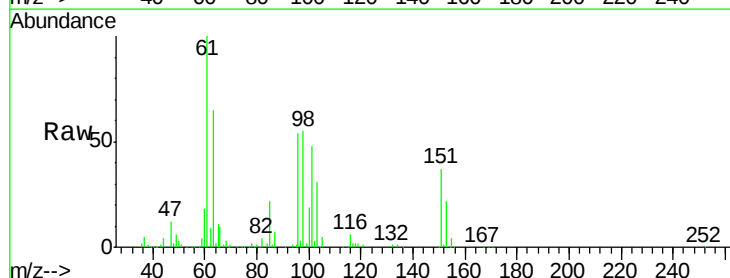
Tgt Ion: 96 Resp: 82137

Ion Ratio Lower Upper

96 100

61 184.7 135.9 252.5

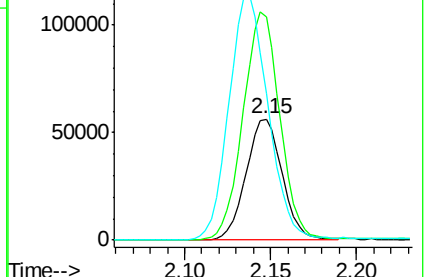
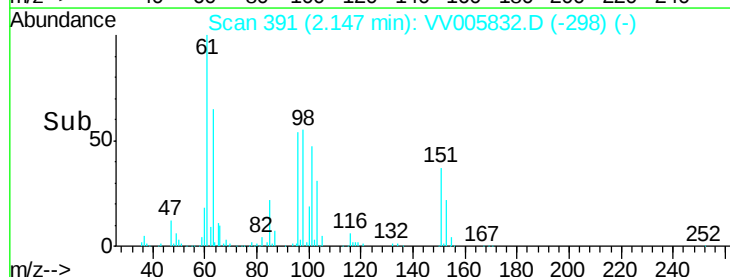
63 120.9 115.5 214.5

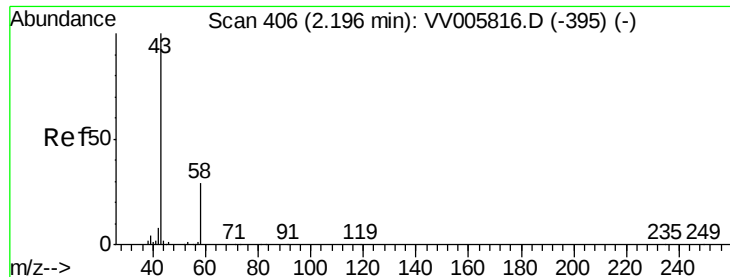


Abundance Ion 96.00 (95.70 to 96.70): VV005832.D (-298) (-)

Ion 61.05 (60.75 to 61.75): VV005832.D (-298) (-)

Ion 63.00 (62.70 to 63.70): VV005832.D (-298) (-)





#13

Acetone

Concen: 50.57 ug/L

RT: 2.20 min Scan# 406

Delta R.T. -0.00 min

Lab File: VV005832.D

Acq: 07 May 2018 22:06

Instrument :

MSVOA_V

ClientSampleId :

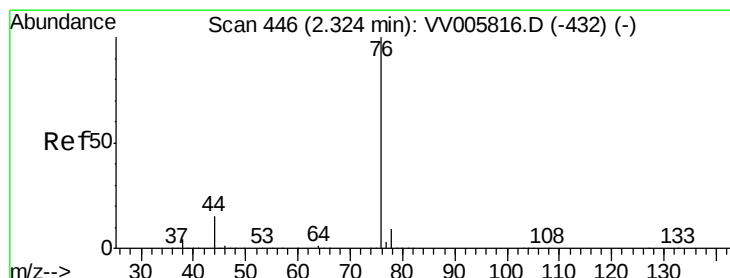
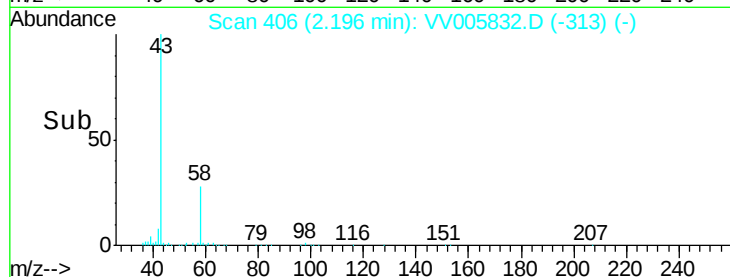
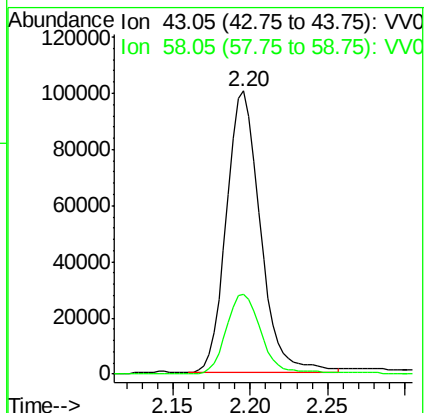
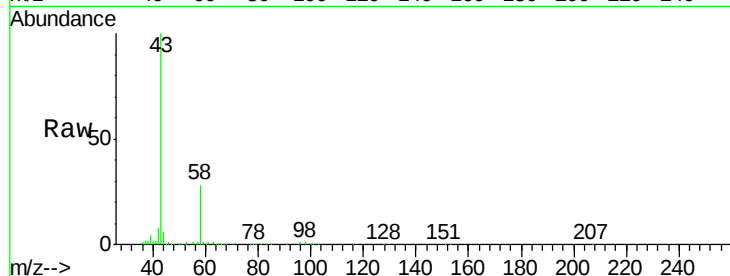
VSTD00599

Tgt Ion: 43 Resp: 152547

Ion Ratio Lower Upper

43 100

58 30.2 0.0 57.8



#14

Carbon disulfide

Concen: 4.30 ug/L

RT: 2.32 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV005832.D

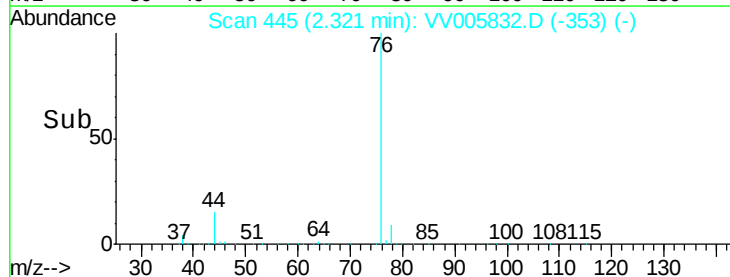
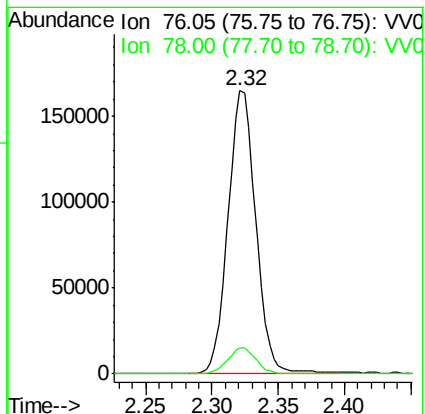
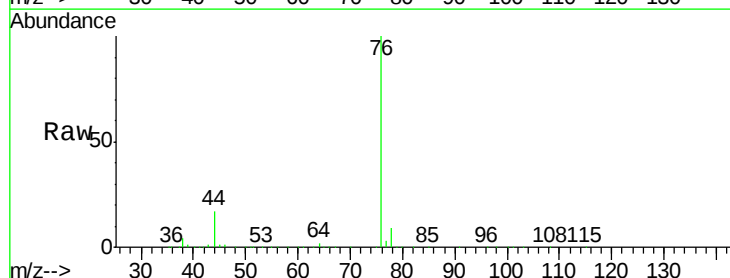
Acq: 07 May 2018 22:06

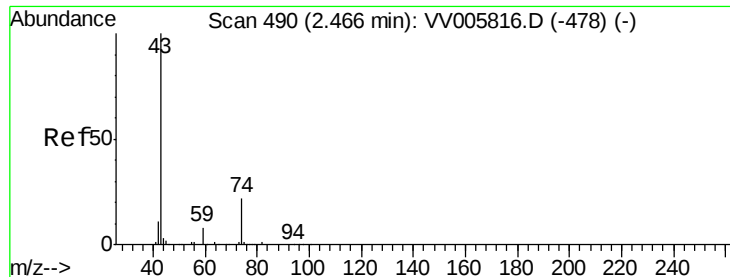
Tgt Ion: 76 Resp: 241060

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

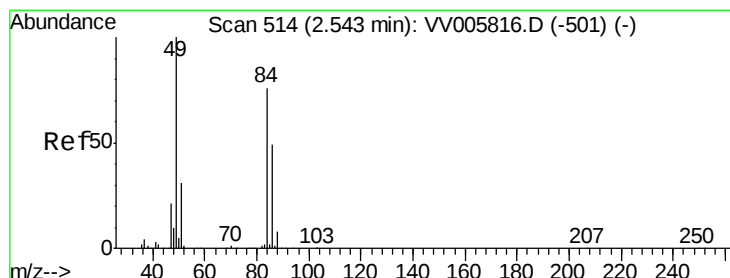
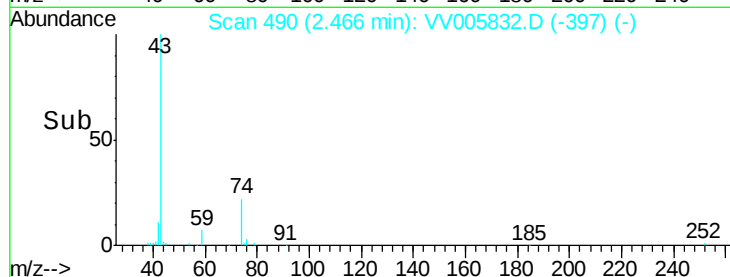
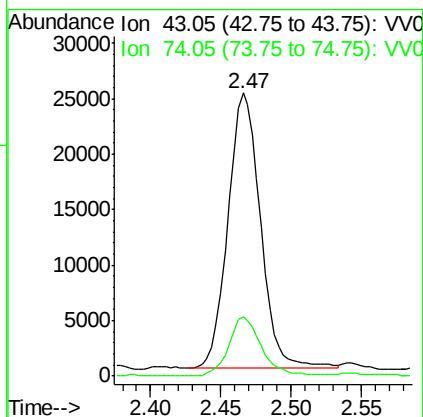
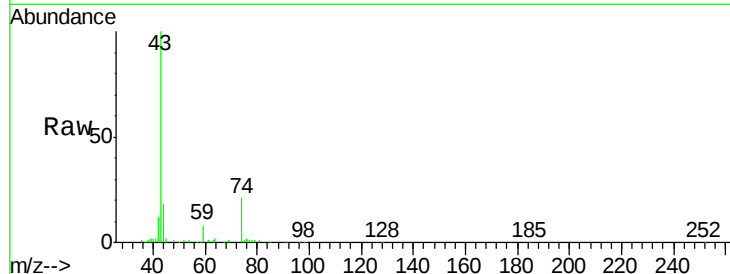




#15
Methyl Acetate
Concen: 5.06 ug/L
RT: 2.47 min Scan# 490
Delta R.T. -0.00 min
Lab File: VV005832.D
Acq: 07 May 2018 22:06

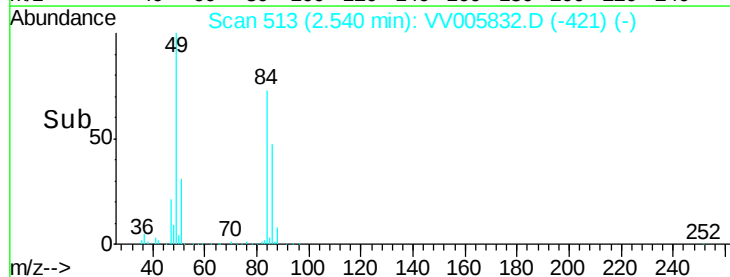
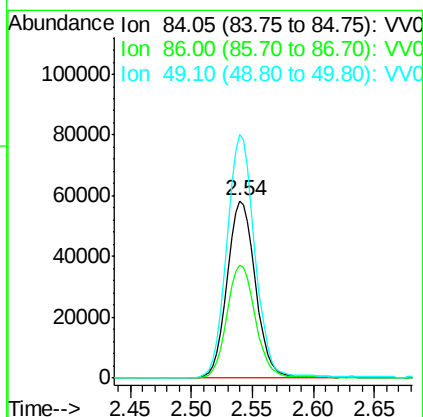
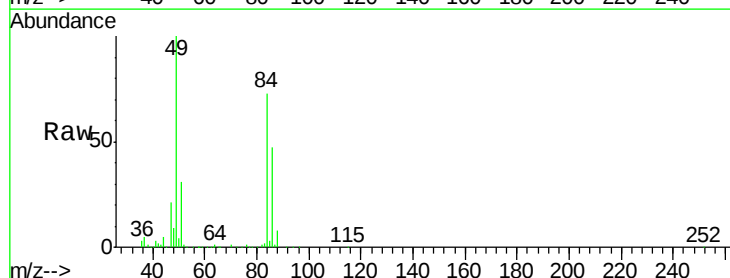
Instrument :
MSVOA_V
ClientSampleId :
VSTD00599

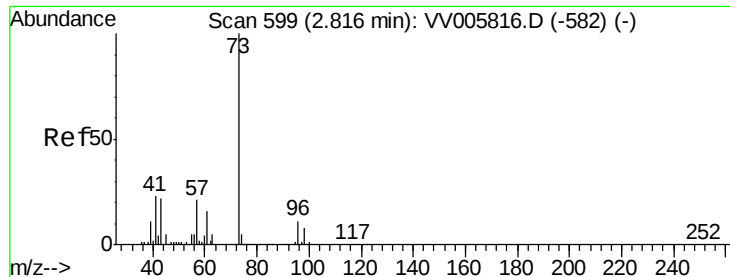
Tgt Ion: 43 Resp: 40009
Ion Ratio Lower Upper
43 100
74 21.7 19.4 29.0



#16
Methylene chloride
Concen: 5.04 ug/L
RT: 2.54 min Scan# 513
Delta R.T. -0.00 min
Lab File: VV005832.D
Acq: 07 May 2018 22:06

Tgt Ion: 84 Resp: 95449
Ion Ratio Lower Upper
84 100
86 63.9 44.3 82.3
49 137.4 96.5 179.1

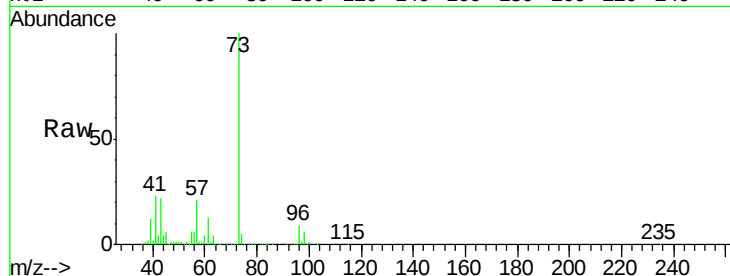




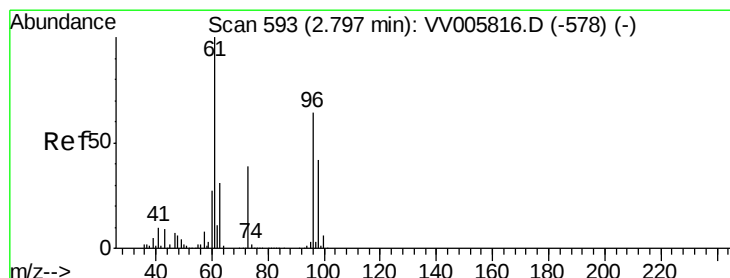
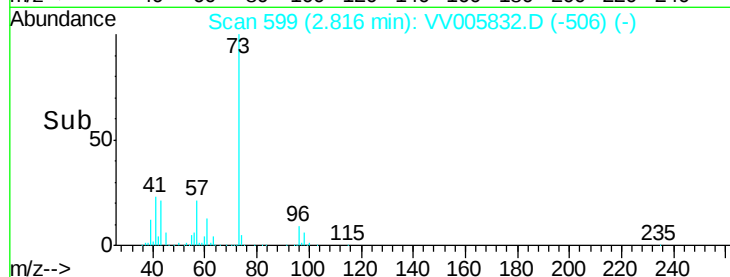
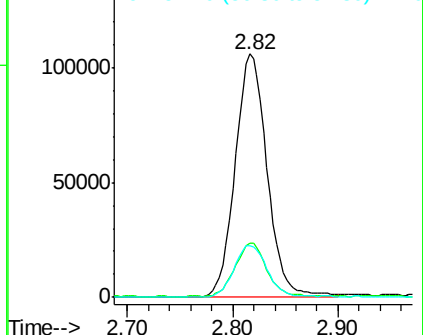
#17
Methyl tert-butyl Ether
Concen: 5.27 ug/L
RT: 2.82 min Scan# 599
Delta R.T. -0.00 min
Lab File: VV005832.D
Acq: 07 May 2018 22:06

Instrument :
MSVOA_V
ClientSampleId :
VSTD00599

Tgt Ion: 73 Resp: 223747
Ion Ratio Lower Upper
73 100
43 21.4 17.0 25.4
57 22.4 18.5 27.7

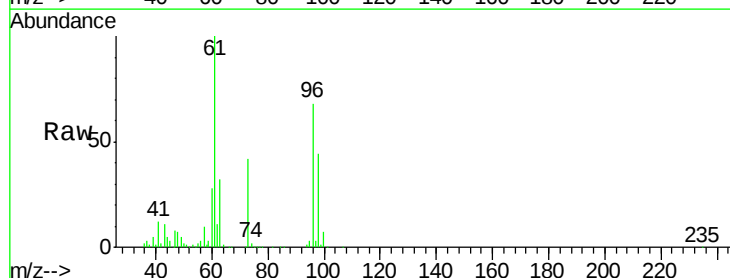


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

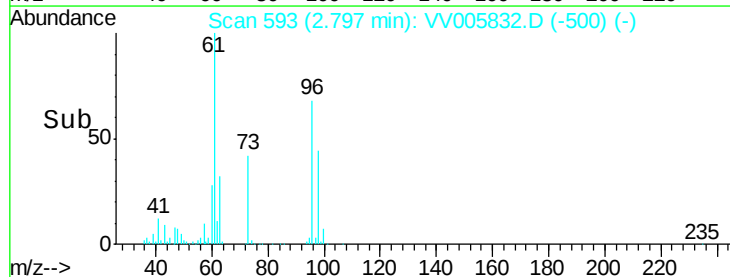
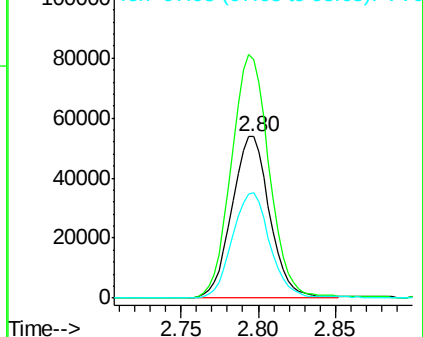


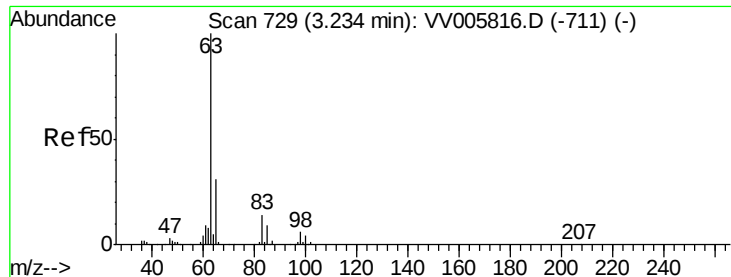
#18
trans-1,2-Dichloroethene
Concen: 4.83 ug/L
RT: 2.80 min Scan# 593
Delta R.T. -0.00 min
Lab File: VV005832.D
Acq: 07 May 2018 22:06

Tgt Ion: 96 Resp: 90631
Ion Ratio Lower Upper
96 100
61 147.3 104.7 194.4
98 65.1 44.8 83.2



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

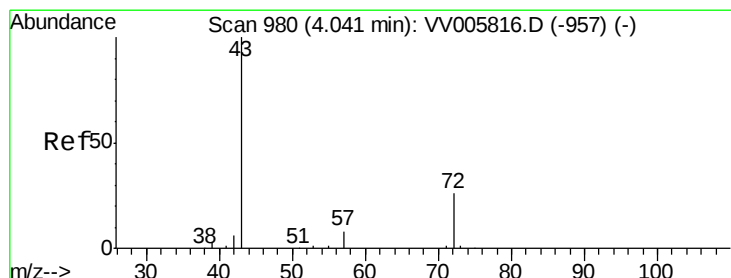
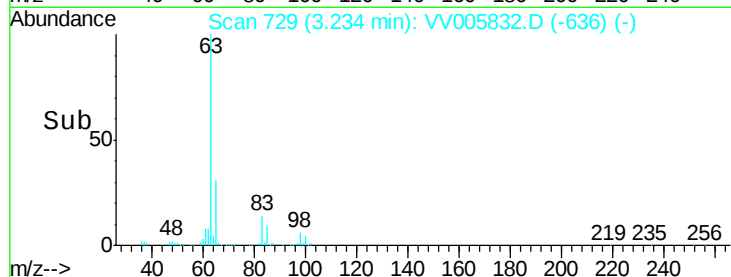
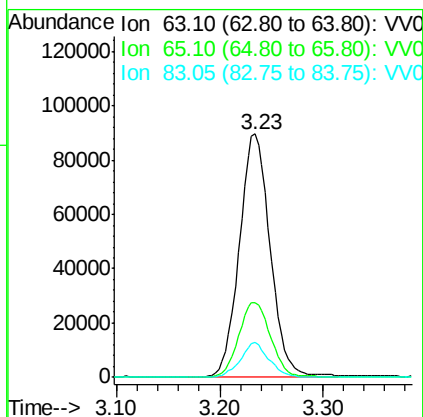
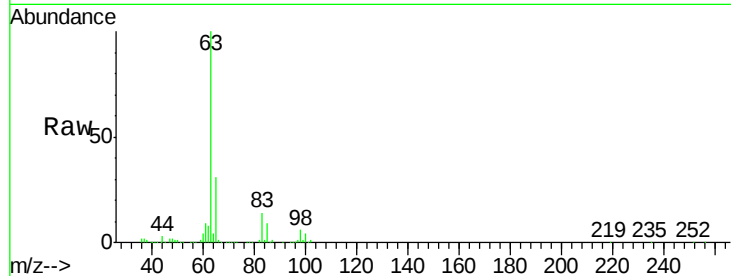




#19
 1,1-Dichloroethane
 Concen: 5.11 ug/L
 RT: 3.23 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: VV005832.D
 Acq: 07 May 2018 22:06

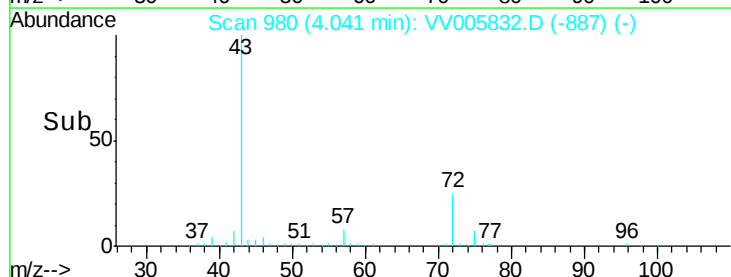
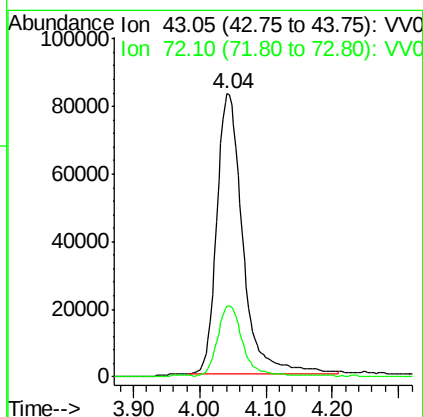
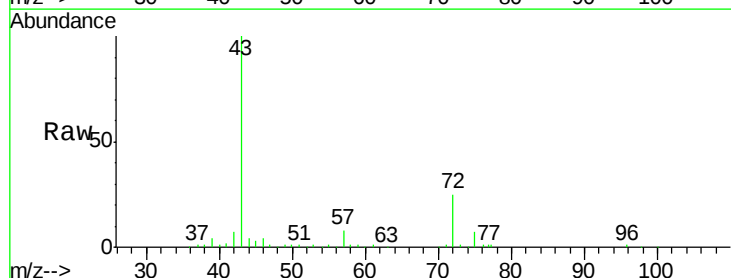
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00599

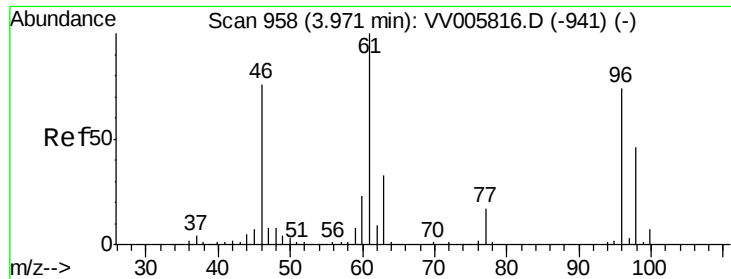
Tgt Ion: 63 Resp: 185939
 Ion Ratio Lower Upper
 63 100
 65 30.7 22.0 40.8
 83 14.3 9.2 17.0



#21
 2-Butanone
 Concen: 55.21 ug/L
 RT: 4.04 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VV005832.D
 Acq: 07 May 2018 22:06

Tgt Ion: 43 Resp: 226315
 Ion Ratio Lower Upper
 43 100
 72 23.5 13.2 39.5





#22

cis-1,2-Dichloroethene

Concen: 5.19 ug/L

RT: 3.97 min Scan# 958

Delta R.T. -0.00 min

Lab File: VV005832.D

Acq: 07 May 2018 22:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD00599

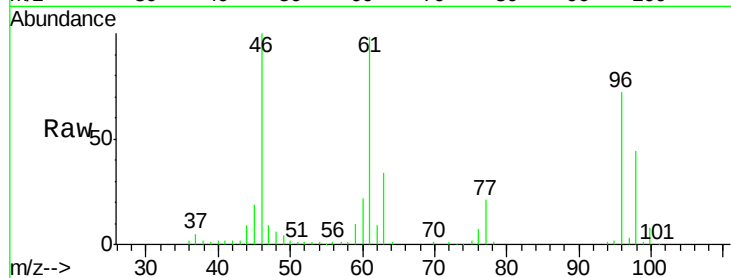
Tgt Ion: 96 Resp: 95486

Ion Ratio Lower Upper

96 100

61 137.3 91.8 170.6

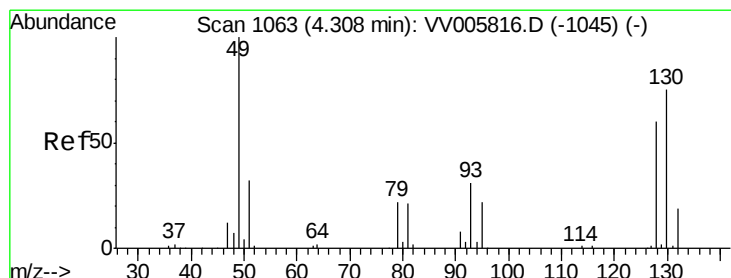
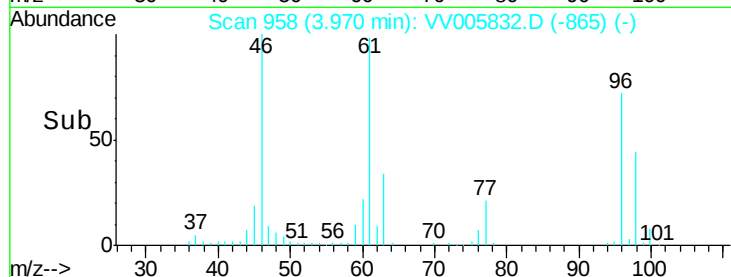
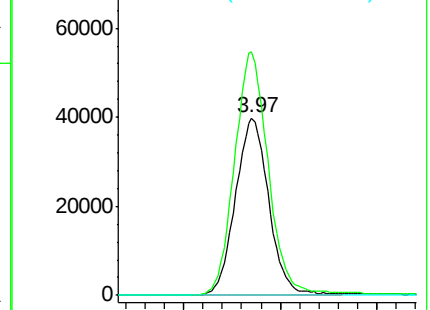
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV005832.D (-865) (-)

Ion 61.05 (60.75 to 61.75): VV005832.D (-865) (-)

Ion 68.15 (67.85 to 68.85): VV005832.D (-865) (-)



#23

Bromochloromethane

Concen: 5.19 ug/L

RT: 4.31 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VV005832.D

Acq: 07 May 2018 22:06

Tgt Ion: 128 Resp: 40124

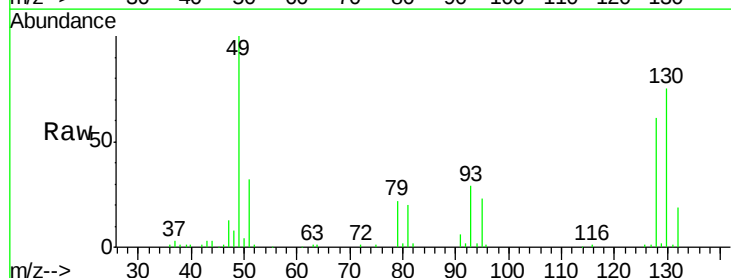
Ion Ratio Lower Upper

128 100

49 164.1 121.7 225.9

130 123.2 93.2 173.0

51 52.1 42.1 63.1

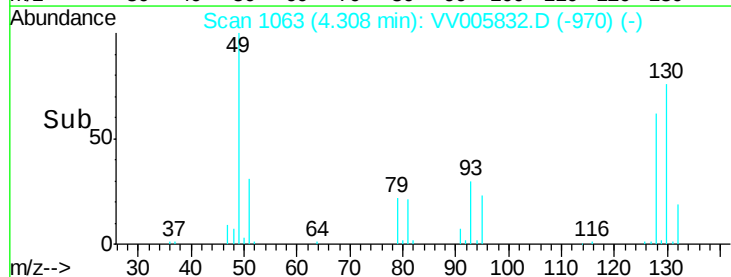
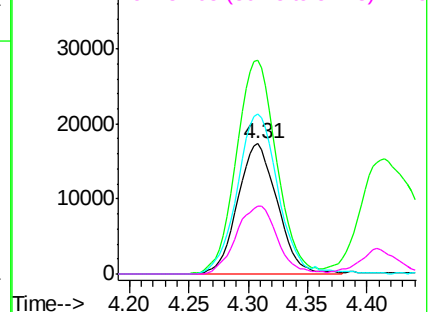


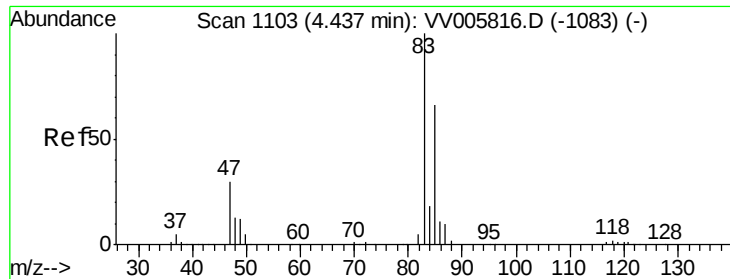
Abundance Ion 127.90 (127.60 to 128.60): VV005832.D (-970) (-)

Ion 49.10 (48.80 to 49.80): VV005832.D (-970) (-)

Ion 129.95 (129.65 to 130.65): VV005832.D (-970) (-)

Ion 51.05 (50.75 to 51.75): VV005832.D (-970) (-)

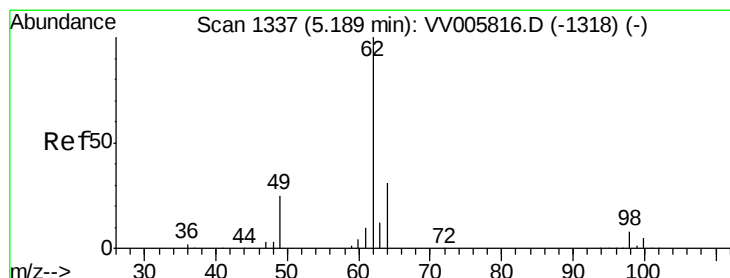
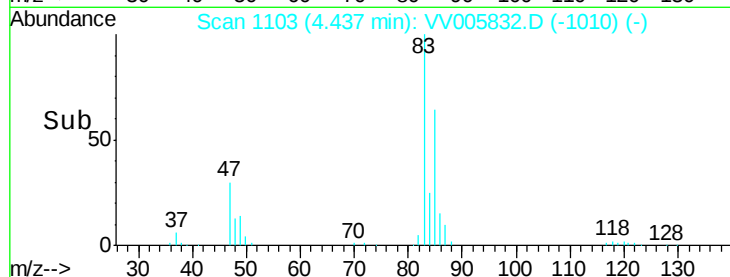
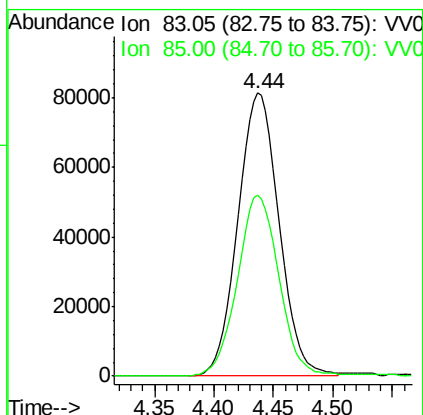
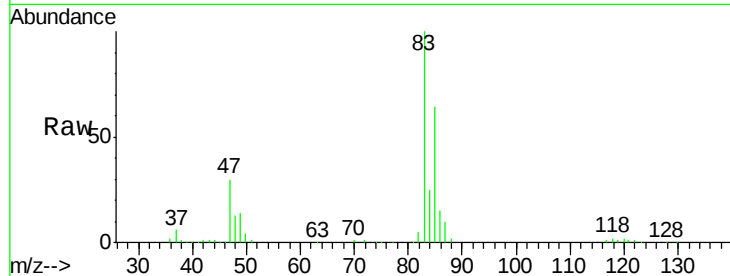




#25
Chloroform
Concen: 5.11 ug/L
RT: 4.44 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VV005832.D
Acq: 07 May 2018 22:06

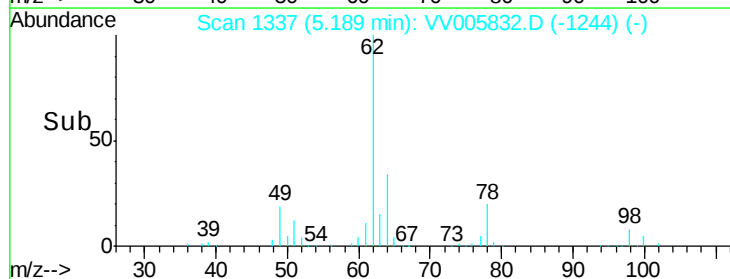
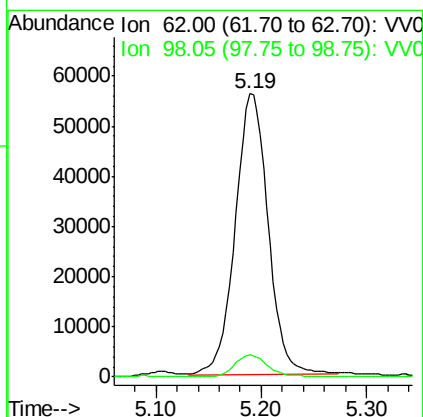
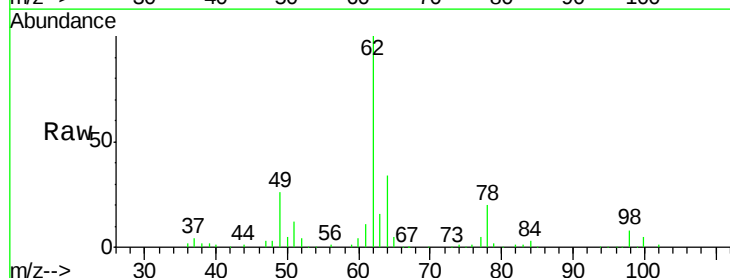
Instrument :
MSVOA_V
ClientSampleId :
VSTD00599

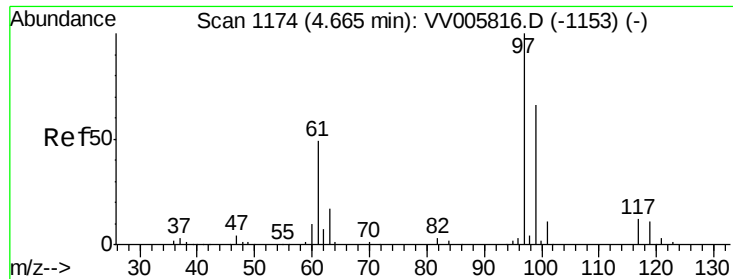
Tgt Ion: 83 Resp: 195272
Ion Ratio Lower Upper
83 100
85 64.1 47.1 87.5



#27
1,2-Dichloroethane
Concen: 5.31 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VV005832.D
Acq: 07 May 2018 22:06

Tgt Ion: 62 Resp: 122417
Ion Ratio Lower Upper
62 100
98 7.8 6.1 9.1

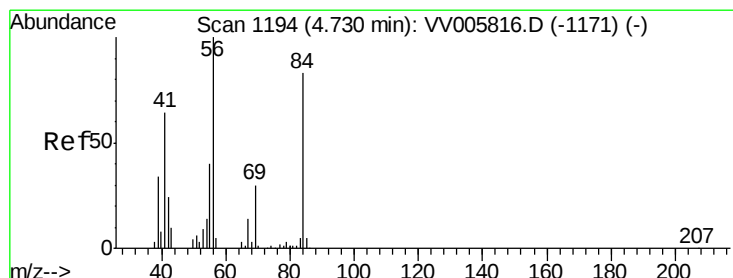
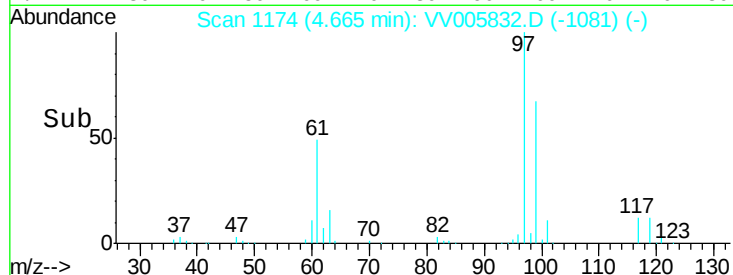
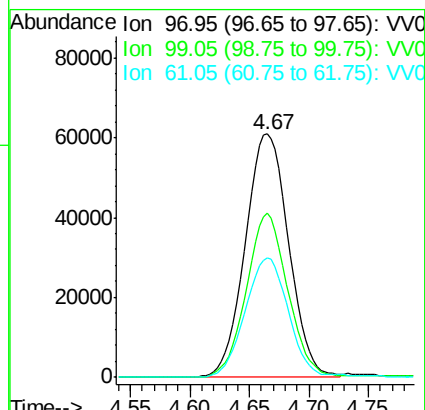
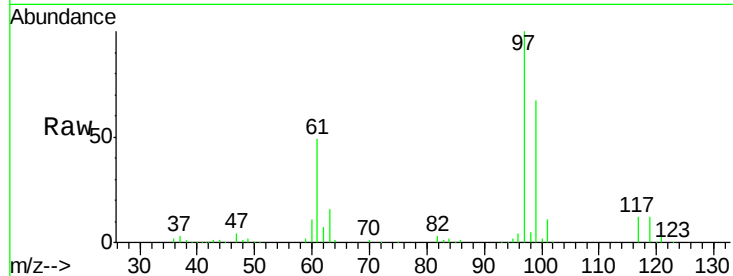




#29
 1,1,1-Trichloroethane
 Concen: 5.03 ug/L
 RT: 4.67 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VV005832.D
 Acq: 07 May 2018 22:06

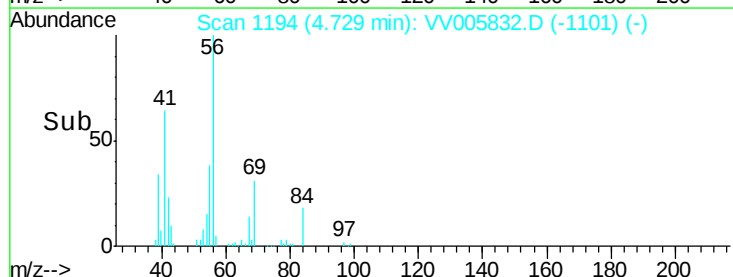
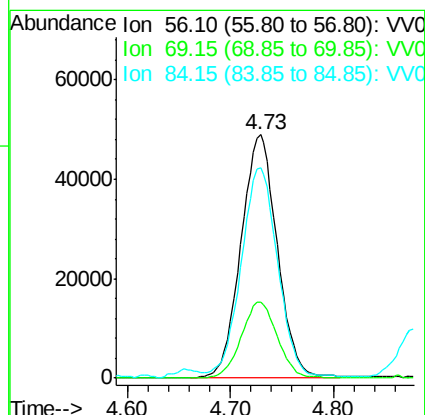
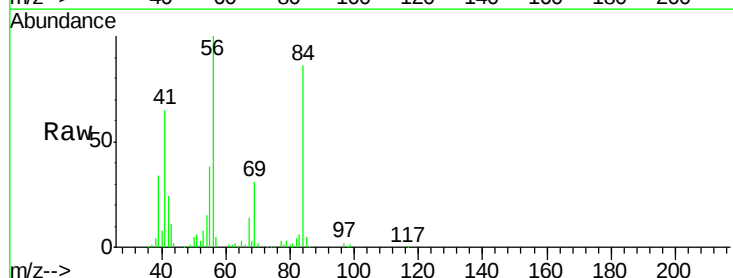
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00599

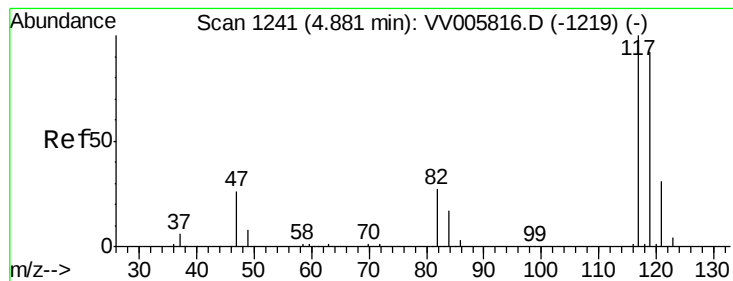
Tgt Ion: 97 Resp: 154093
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.8 77.8
 61 49.1 38.9 58.3



#30
 Cyclohexane
 Concen: 4.61 ug/L
 RT: 4.73 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VV005832.D
 Acq: 07 May 2018 22:06

Tgt Ion: 56 Resp: 120081
 Ion Ratio Lower Upper
 56 100
 69 30.9 24.3 36.5
 84 85.4 69.4 104.2





#31

Carbon tetrachloride

Concen: 4.81 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VV005832.D

Acq: 07 May 2018 22:06

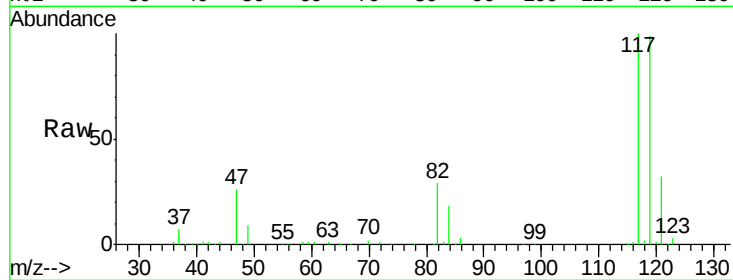
Instrument :
MSVOA_V
ClientSampleId :
VSTD00599

Tgt Ion:117 Resp: 132564

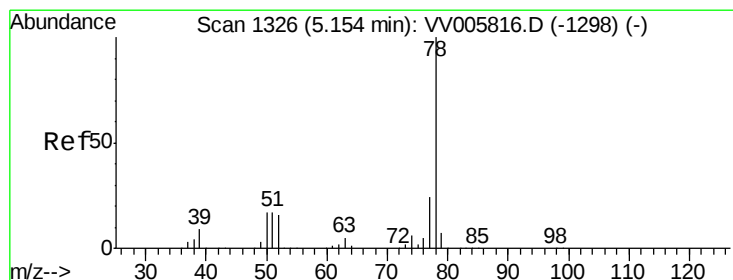
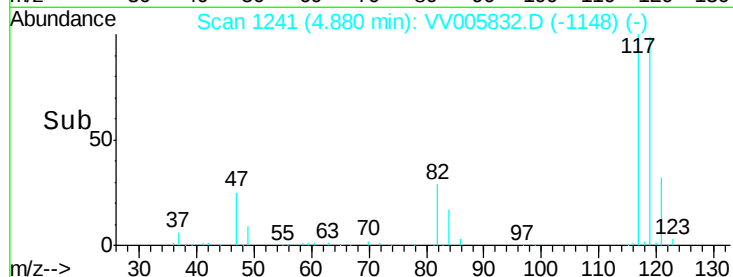
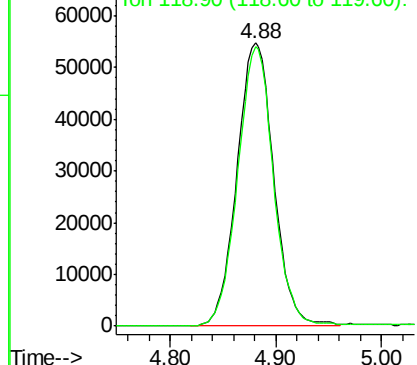
Ion Ratio Lower Upper

117 100

119 95.5 76.2 114.4



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.25 ug/L

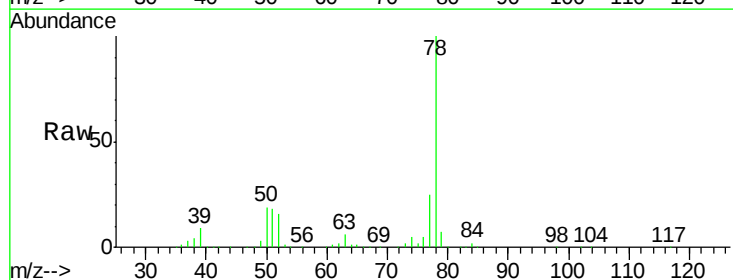
RT: 5.15 min Scan# 1326

Delta R.T. -0.00 min

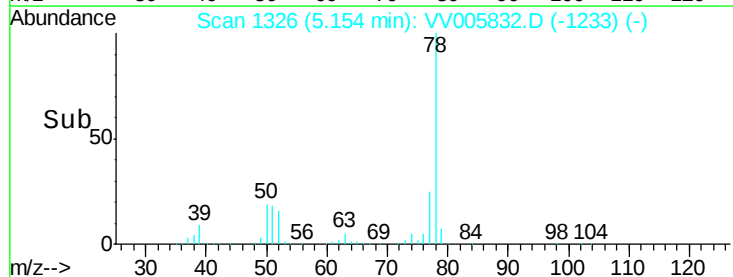
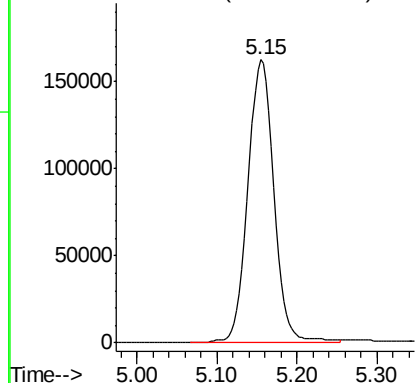
Lab File: VV005832.D

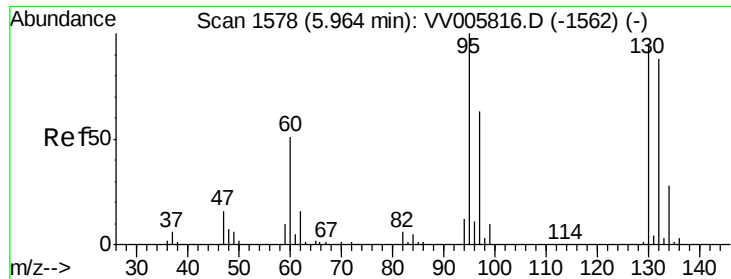
Acq: 07 May 2018 22:06

Tgt Ion: 78 Resp: 360288



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.12 ug/L

RT: 5.97 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VV005832.D

Acq: 07 May 2018 22:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD00599

Tgt Ion: 95 Resp: 99988

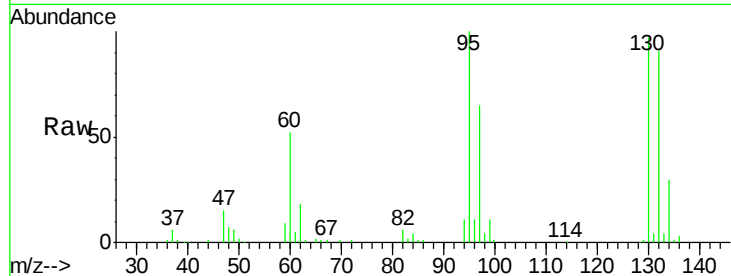
Ion Ratio Lower Upper

95 100

97 65.4 45.6 84.8

132 91.4 64.2 119.2

130 97.4 69.0 128.2

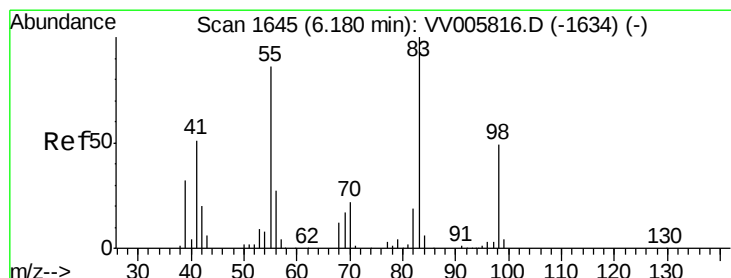
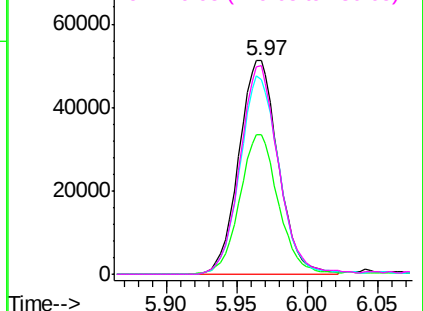
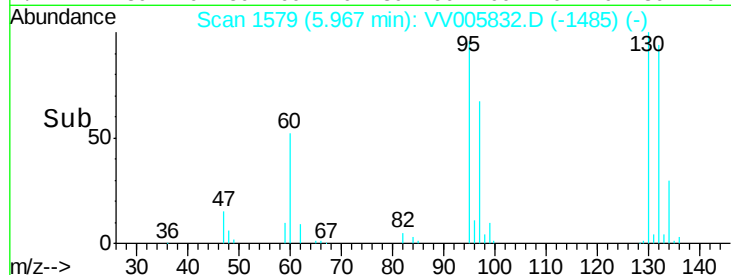


Abundance Ion 95.00 (94.70 to 95.70): VV005832.D (-1485) (-)

Ion 96.95 (96.65 to 97.65): VV005832.D (-1485) (-)

Ion 131.95 (131.65 to 132.65): VV005832.D (-1485) (-)

Ion 129.95 (129.65 to 130.65): VV005832.D (-1485) (-)



#35

Methylcyclohexane

Concen: 4.53 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. -0.00 min

Lab File: VV005832.D

Acq: 07 May 2018 22:06

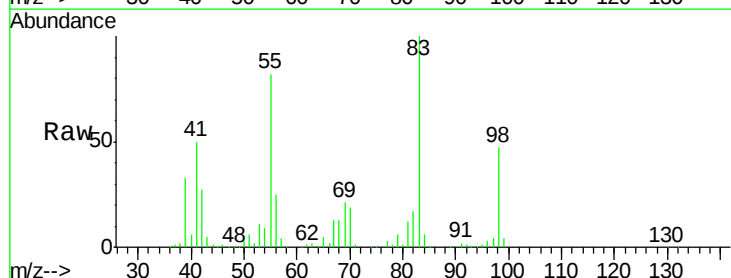
Tgt Ion: 83 Resp: 124537

Ion Ratio Lower Upper

83 100

55 83.2 64.1 96.1

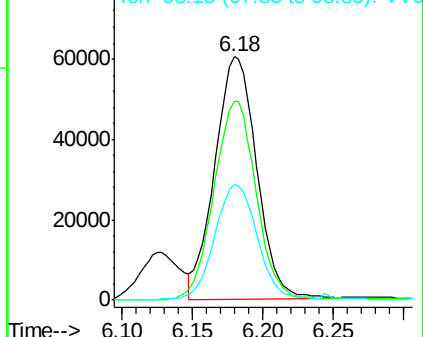
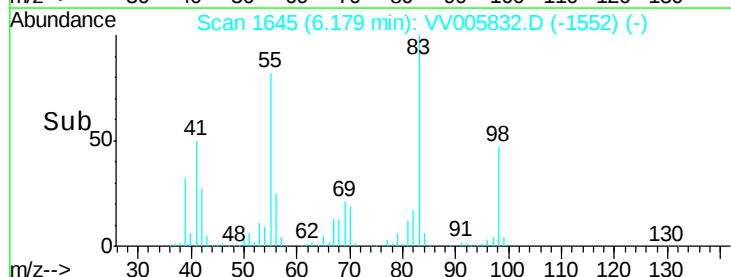
98 48.8 37.0 55.4

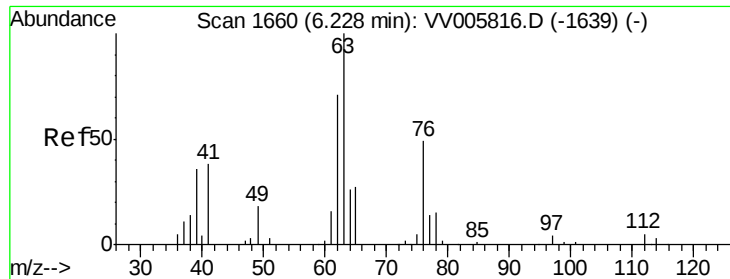


Abundance Ion 83.15 (82.85 to 83.85): VV005832.D (-1552) (-)

Ion 55.10 (54.80 to 55.80): VV005832.D (-1552) (-)

Ion 98.15 (97.85 to 98.85): VV005832.D (-1552) (-)

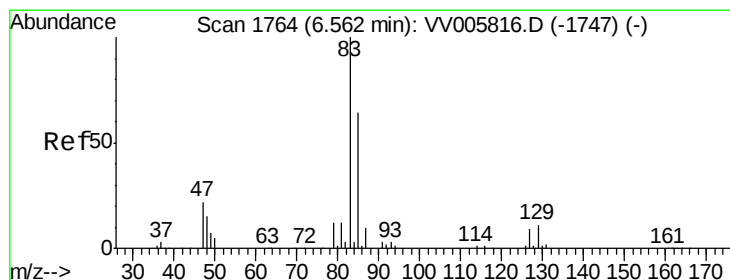
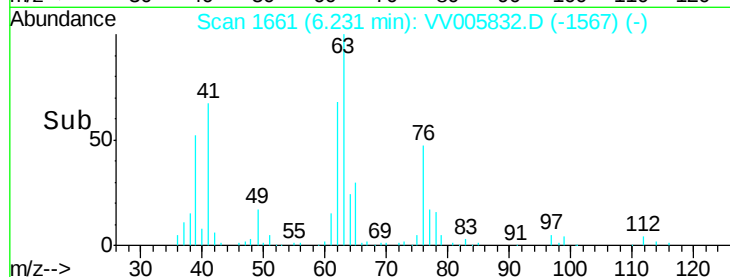
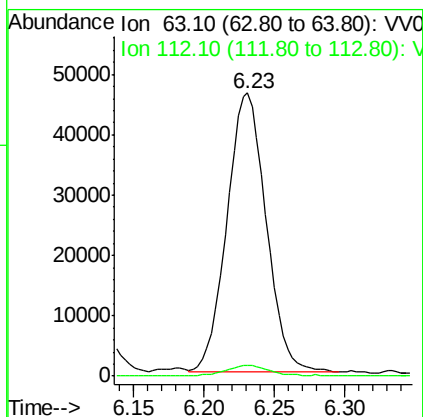
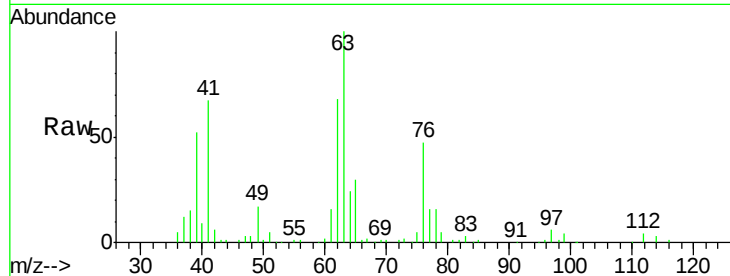




#37
 1,2-Dichloropropane
 Concen: 5.29 ug/L
 RT: 6.23 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VV005832.D
 Acq: 07 May 2018 22:06

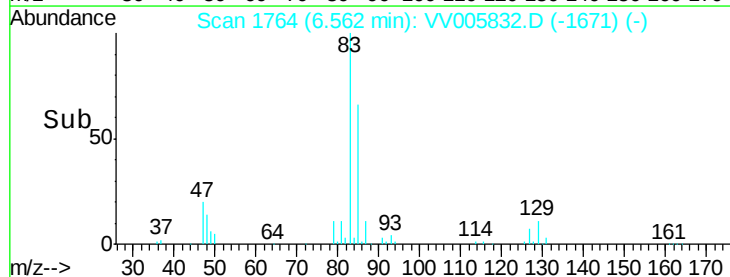
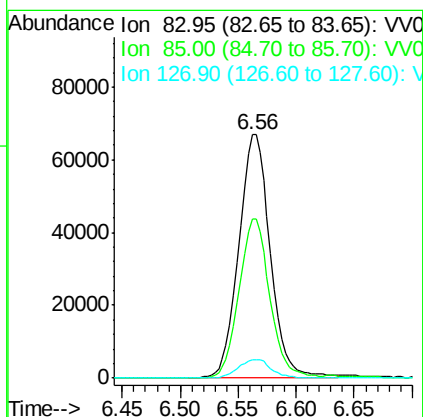
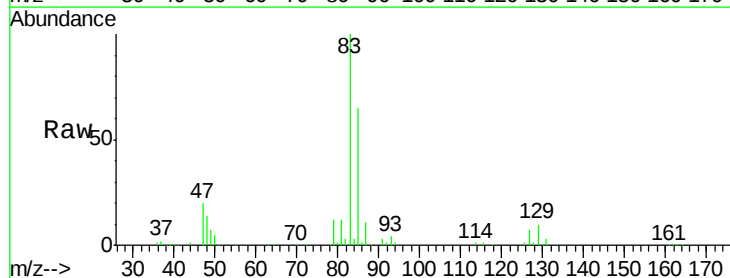
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00599

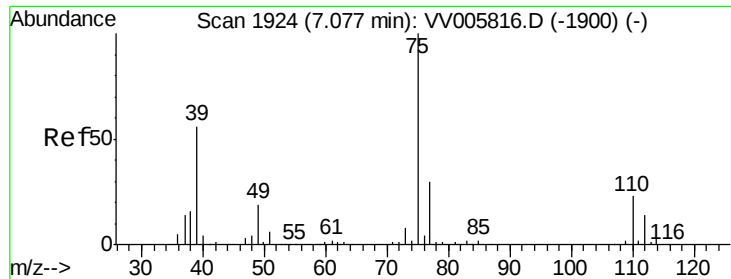
Tgt Ion: 63 Resp: 89886
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.5 5.3



#38
 Bromodichloromethane
 Concen: 5.30 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VV005832.D
 Acq: 07 May 2018 22:06

Tgt Ion: 83 Resp: 126421
 Ion Ratio Lower Upper
 83 100
 85 65.2 45.4 84.2
 127 7.3 7.4 11.0#

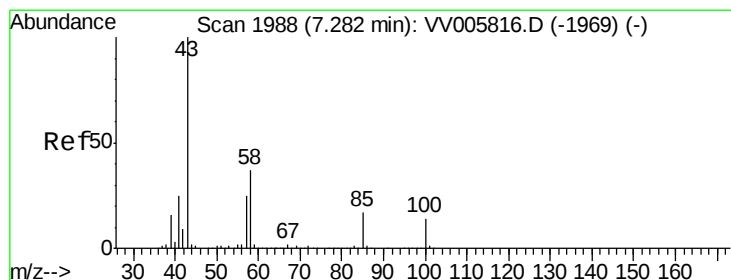
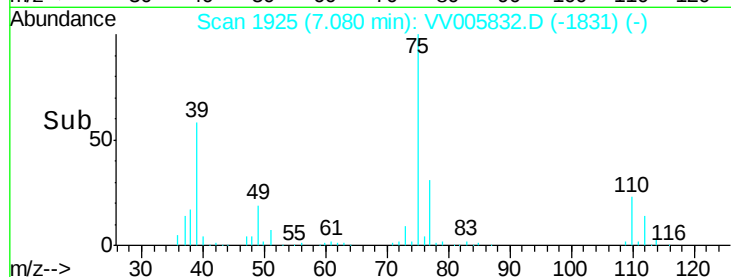
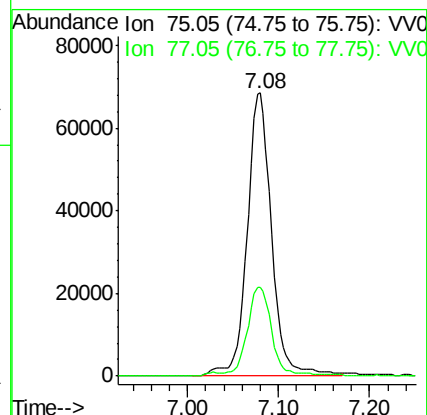
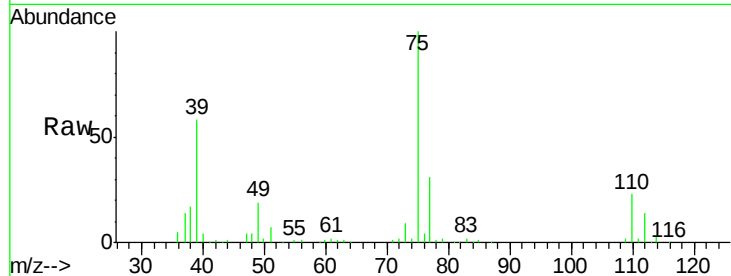




#39
 cis-1,3-Dichloropropene
 Concen: 5.21 ug/L
 RT: 7.08 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV005832.D
 Acq: 07 May 2018 22:06

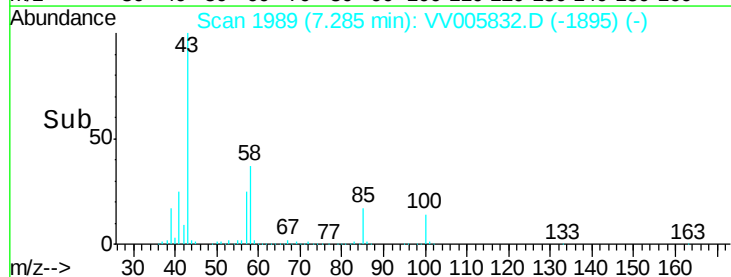
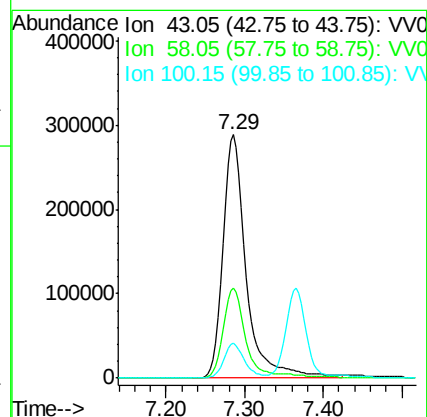
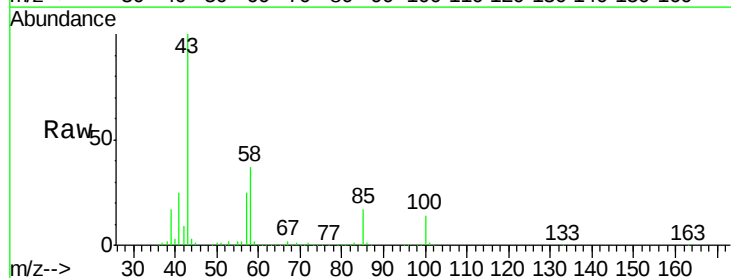
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00599

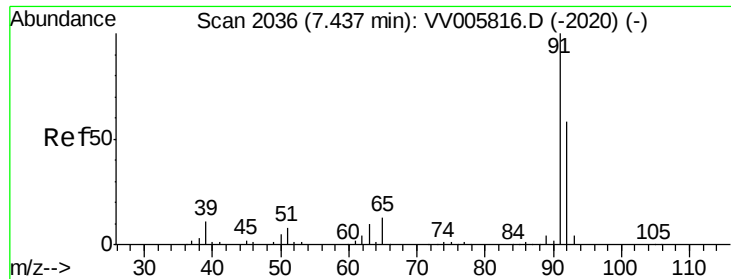
Tgt Ion: 75 Resp: 127948
 Ion Ratio Lower Upper
 75 100
 77 31.4 21.8 40.4



#40
 4-Methyl-2-pentanone
 Concen: 55.87 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VV005832.D
 Acq: 07 May 2018 22:06

Tgt Ion: 43 Resp: 588100
 Ion Ratio Lower Upper
 43 100
 58 34.9 28.2 42.4
 100 12.9 10.2 15.4





#42

Toluene

Concen: 5.12 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VV005832.D

Acq: 07 May 2018 22:06

Instrument :

MSVOA_V

ClientSampleId :

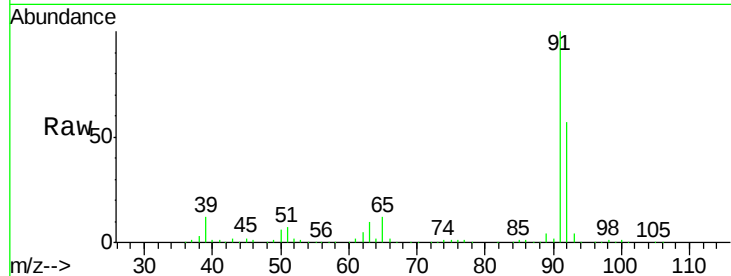
VSTD00599

Tgt Ion: 91 Resp: 384972

Ion Ratio Lower Upper

91 100

92 57.5 40.0 74.4



Abundance Ion 91.15 (90.85 to 91.85): VV005816.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VV005832.D (-1943) (-)

7.44

250000

200000

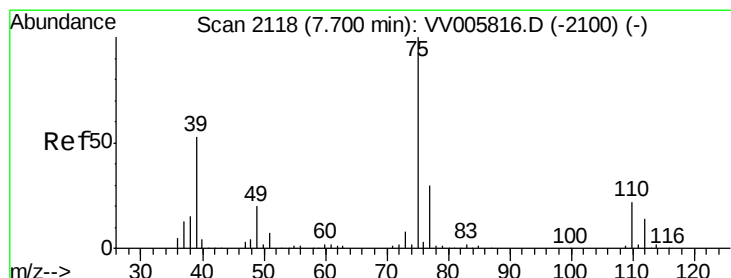
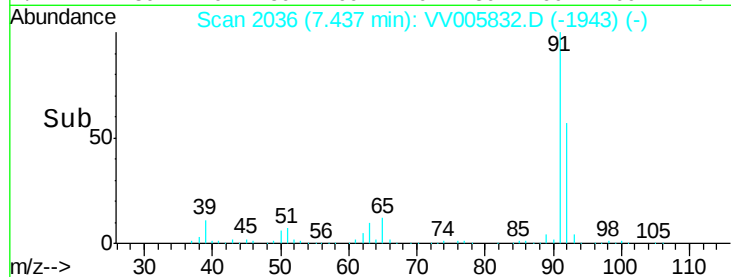
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.30 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VV005832.D

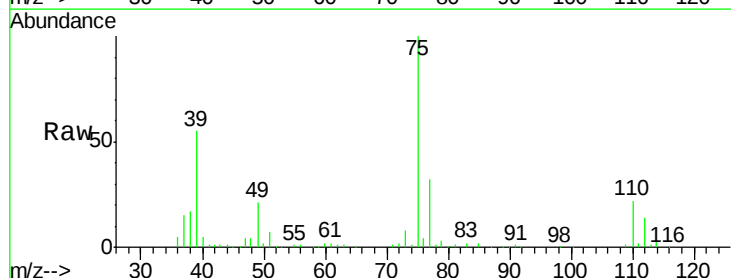
Acq: 07 May 2018 22:06

Tgt Ion: 75 Resp: 108296

Ion Ratio Lower Upper

75 100

77 31.7 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VV005816.D (-2100) (-)

Ion 77.05 (76.75 to 77.75): VV005832.D (-2025) (-)

7.70

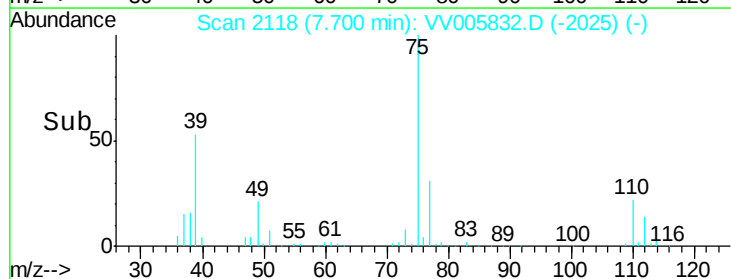
60000

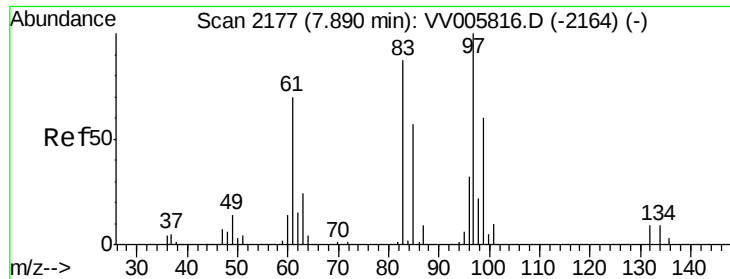
40000

20000

0

Time-->

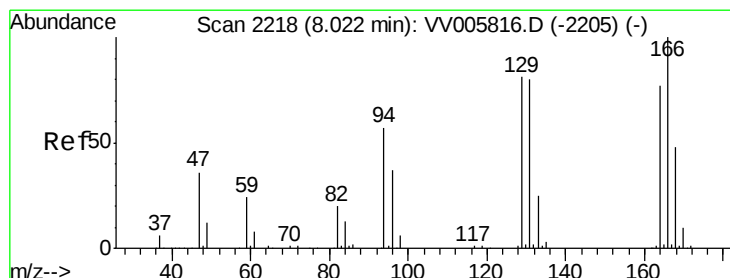
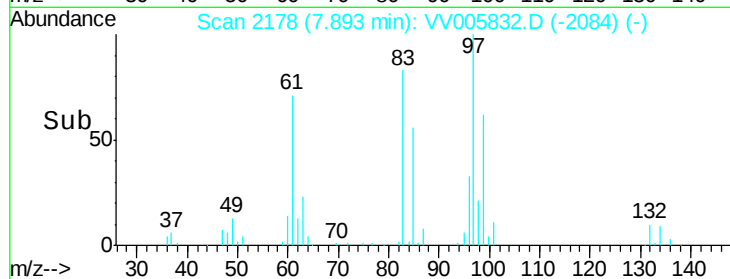
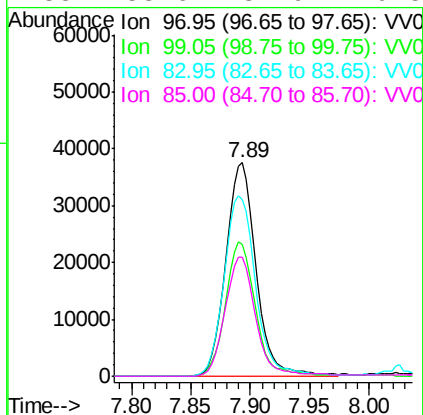
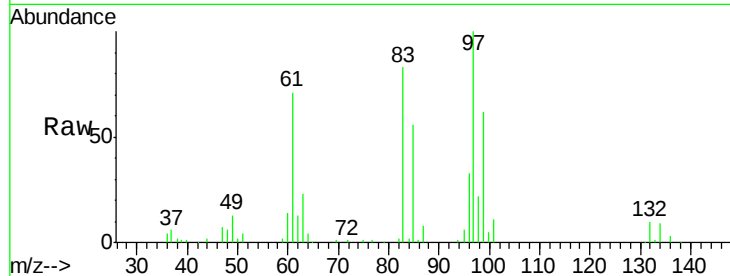




#45
 1,1,2-Trichloroethane
 Concen: 5.23 ug/L
 RT: 7.89 min Scan# 2178
 Delta R.T. 0.00 min
 Lab File: VV005832.D
 Acq: 07 May 2018 22:06

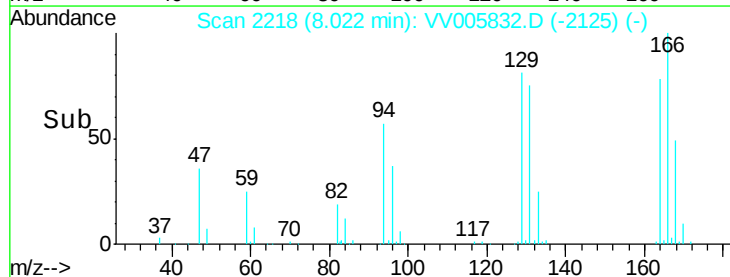
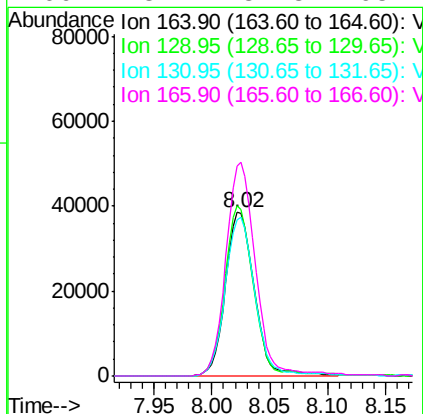
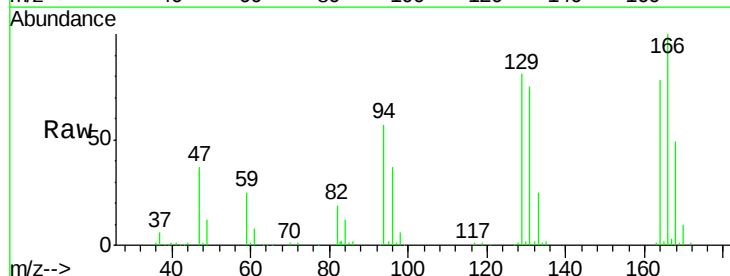
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00599

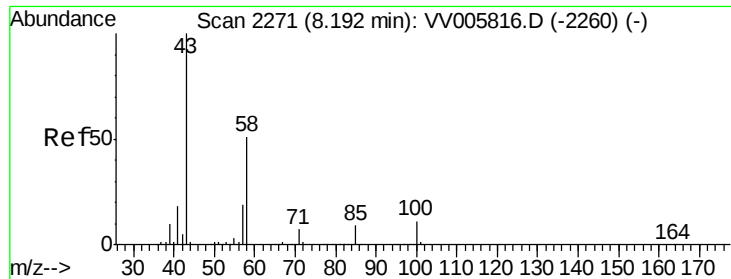
Tgt Ion:	97	Resp:	66253
Ion	Ratio	Lower	Upper
97	100		
99	62.0	42.4	78.8
83	83.0	61.7	114.7
85	55.6	37.9	70.5



#47
 Tetrachloroethene
 Concen: 4.87 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VV005832.D
 Acq: 07 May 2018 22:06

Tgt Ion:	164	Resp:	66721
Ion	Ratio	Lower	Upper
164	100		
129	104.5	71.2	132.2
131	96.0	70.6	131.0
166	128.4	87.8	163.2

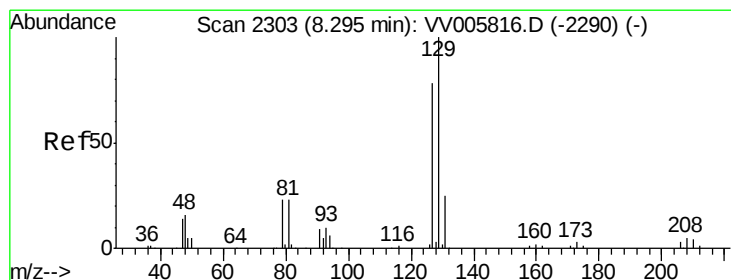
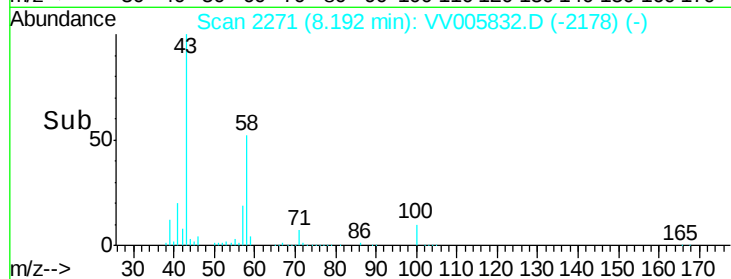
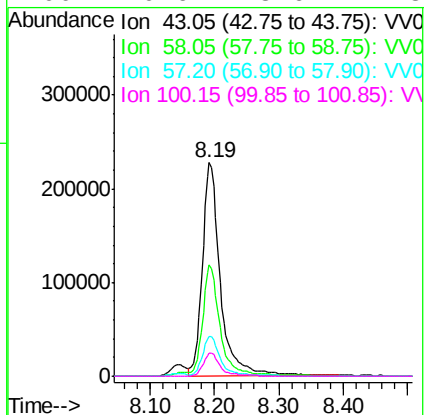
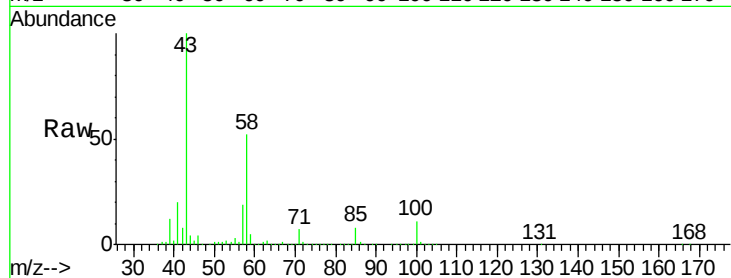




#48
2-Hexanone
Concen: 56.88 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV005832.D
Acq: 07 May 2018 22:06

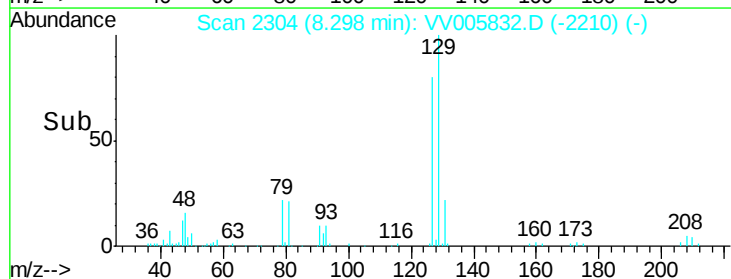
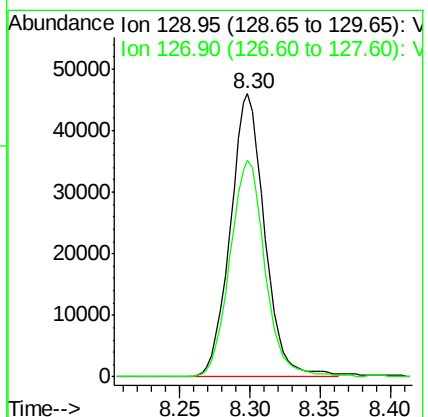
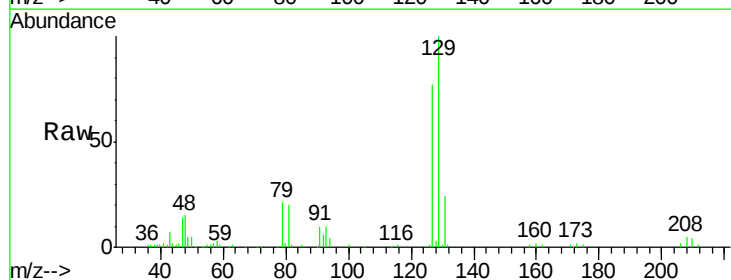
Instrument :
MSVOA_V
ClientSampleId :
VSTD00599

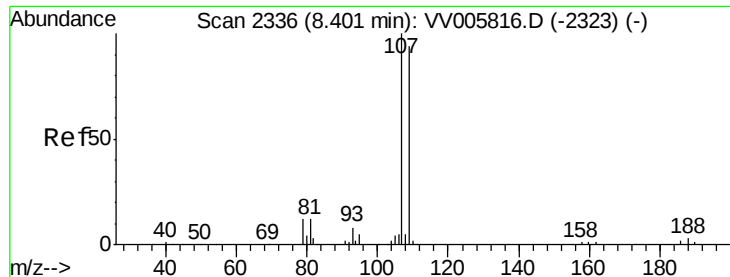
Tgt Ion: 43 Resp: 442144
Ion Ratio Lower Upper
43 100
58 49.5 40.2 60.2
57 17.7 14.6 22.0
100 10.6 8.6 12.8



#49
Dibromochloromethane
Concen: 5.33 ug/L
RT: 8.30 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VV005832.D
Acq: 07 May 2018 22:06

Tgt Ion: 129 Resp: 78227
Ion Ratio Lower Upper
129 100
127 76.6 55.4 103.0

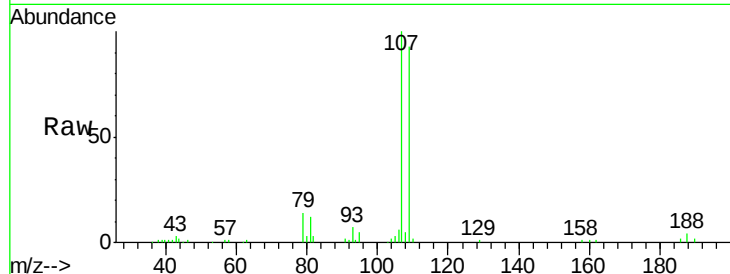




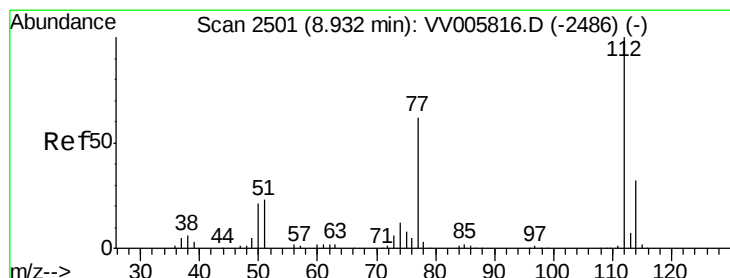
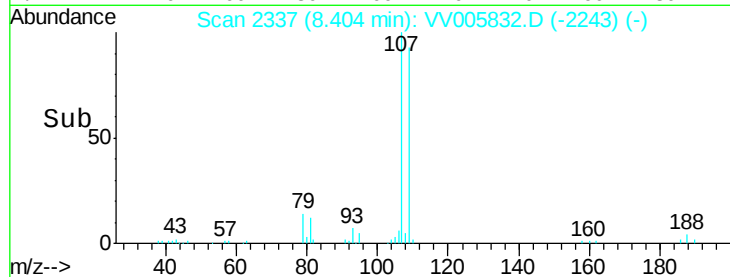
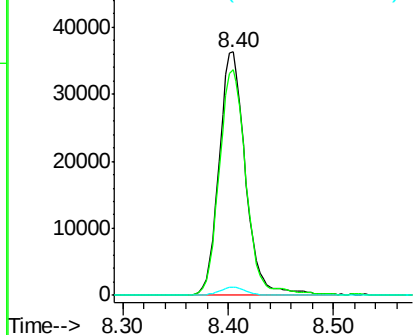
#50
1,2-Dibromoethane
Concen: 5.39 ug/L
RT: 8.40 min Scan# 2337
Delta R.T. 0.00 min
Lab File: VV005832.D
Acq: 07 May 2018 22:06

Instrument :
MSVOA_V
ClientSampleId :
VSTD00599

Tgt Ion:107 Resp: 63091
Ion Ratio Lower Upper
107 100
109 92.9 63.2 117.4
188 3.5 2.4 3.6

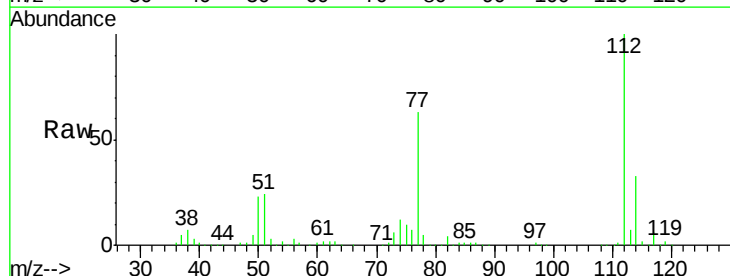


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

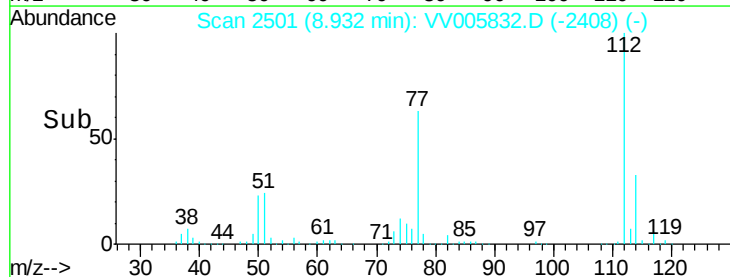
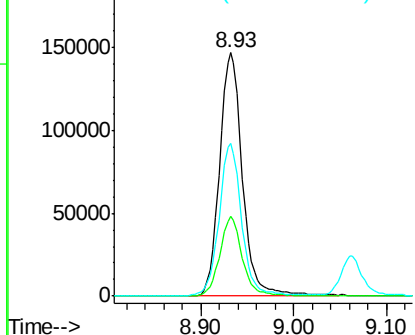


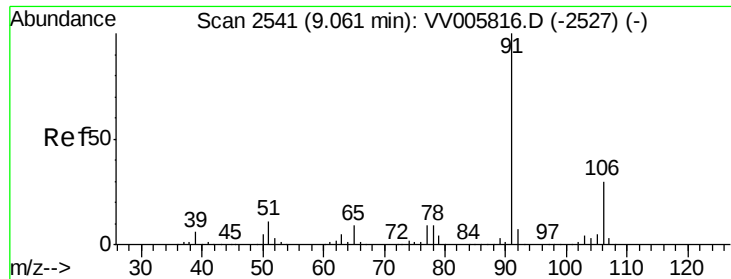
#51
Chlorobenzene
Concen: 5.10 ug/L
RT: 8.93 min Scan# 2501
Delta R.T. -0.00 min
Lab File: VV005832.D
Acq: 07 May 2018 22:06

Tgt Ion:112 Resp: 251547
Ion Ratio Lower Upper
112 100
114 32.8 22.7 42.1
77 62.8 48.8 73.2



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.05 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV005832.D

Acq: 07 May 2018 22:06

Instrument :

MSVOA_V

ClientSampleId :

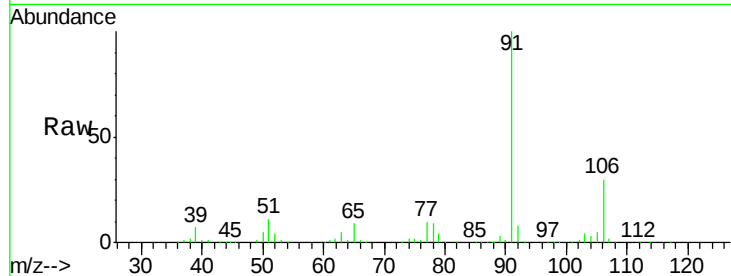
VSTD00599

Tgt Ion: 91 Resp: 411236

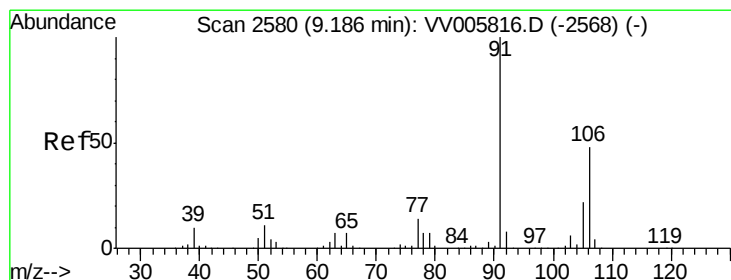
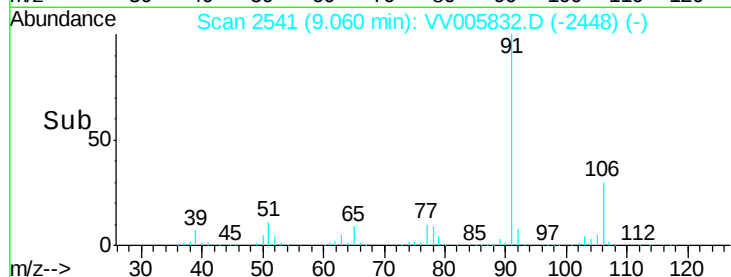
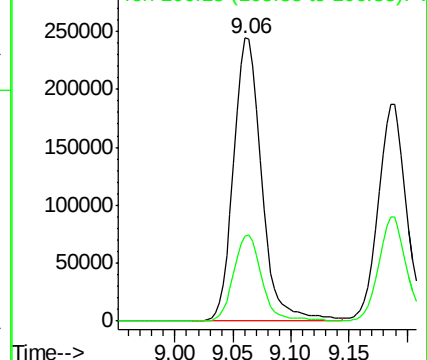
Ion Ratio Lower Upper

91 100

106 30.2 20.4 38.0



Abundance Ion 91.15 (90.85 to 91.85): VV005816.D (-2527) (-)



#53

m,p-xylene

Concen: 5.15 ug/L

RT: 9.19 min Scan# 2581

Delta R.T. 0.00 min

Lab File: VV005832.D

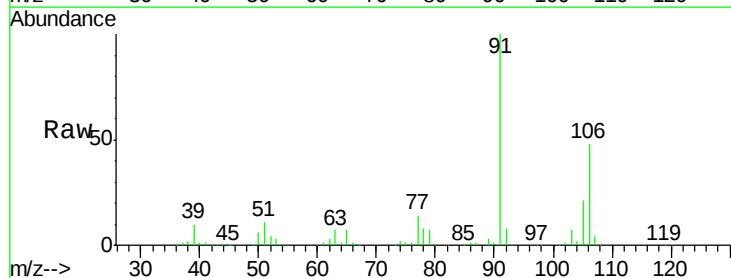
Acq: 07 May 2018 22:06

Tgt Ion: 106 Resp: 153130

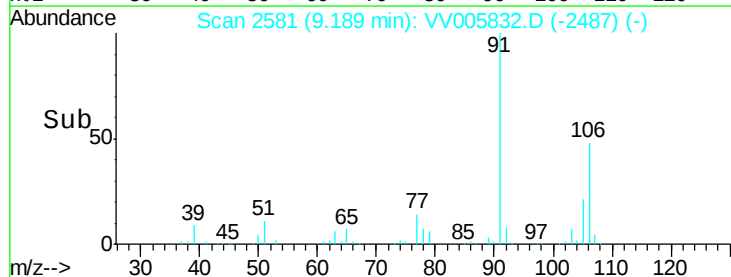
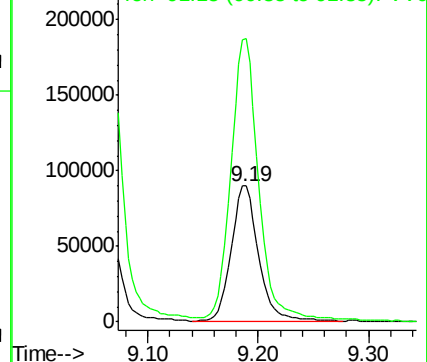
Ion Ratio Lower Upper

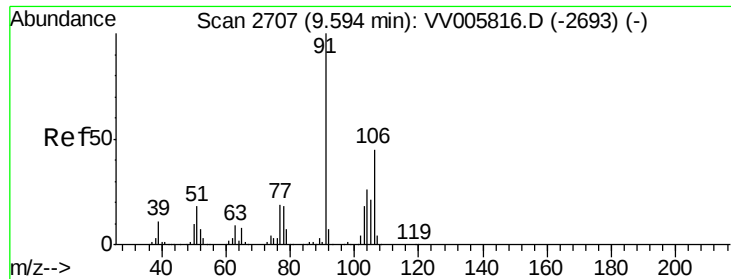
106 100

91 207.9 146.1 271.3



Abundance Ion 106.15 (105.85 to 106.85): VV005816.D (-2568) (-)





#54

o-xylene

Concen: 5.26 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. -0.00 min

Lab File: VV005832.D

Acq: 07 May 2018 22:06

Instrument :

MSVOA_V

ClientSampleId :

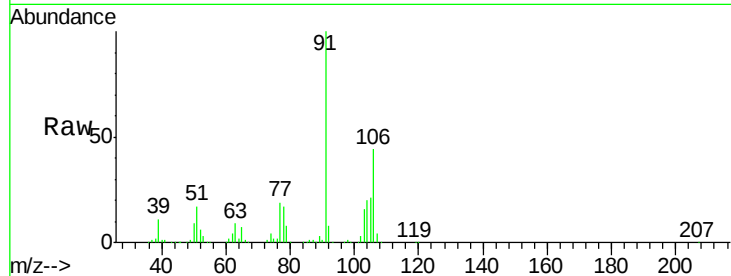
VSTD00599

Tgt Ion:106 Resp: 150763

Ion Ratio Lower Upper

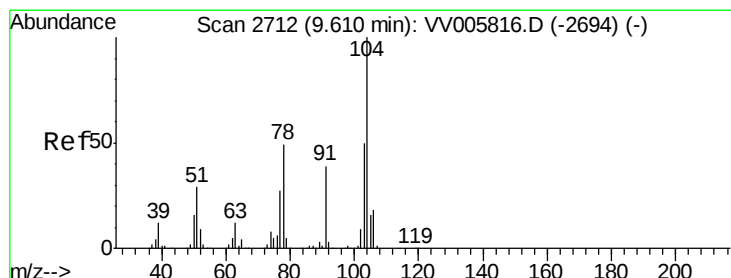
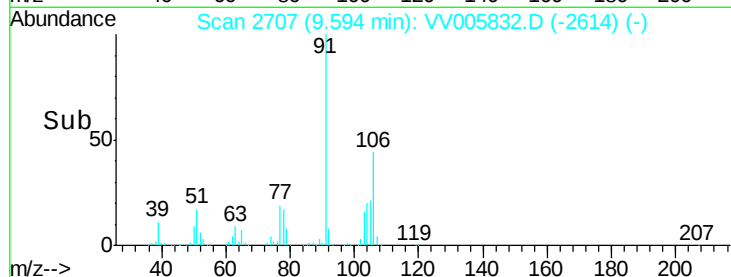
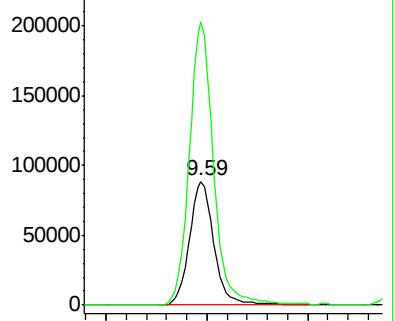
106 100

91 228.7 157.8 293.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.35 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. -0.00 min

Lab File: VV005832.D

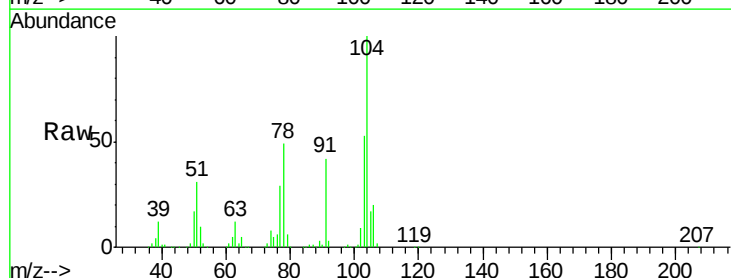
Acq: 07 May 2018 22:06

Tgt Ion:104 Resp: 255829

Ion Ratio Lower Upper

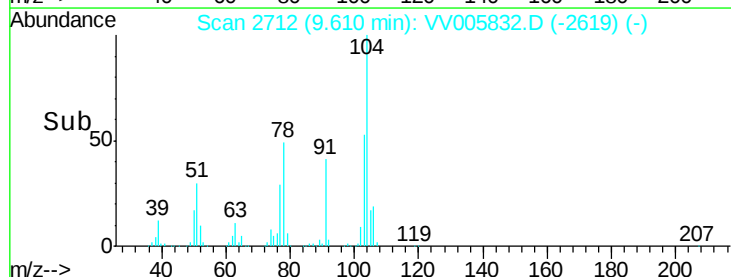
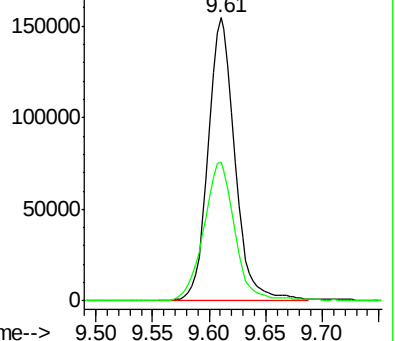
104 100

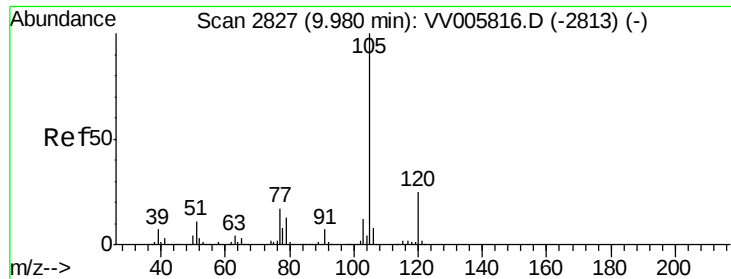
78 49.1 35.1 65.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.16 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV005832.D

Acq: 07 May 2018 22:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD00599

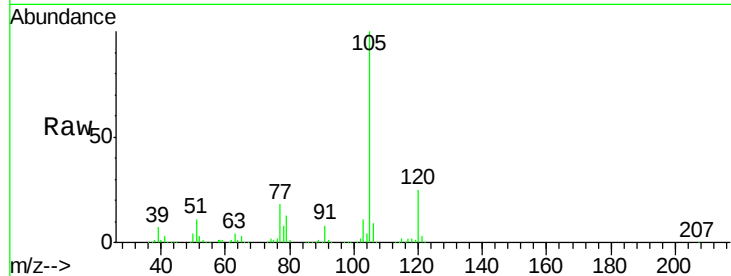
Tgt Ion: 105 Resp: 397784

Ion Ratio Lower Upper

105 100

120 25.1 20.6 31.0

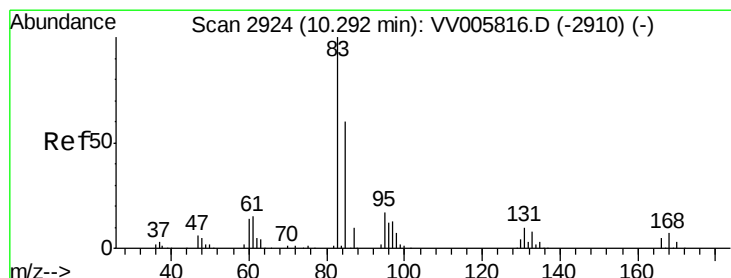
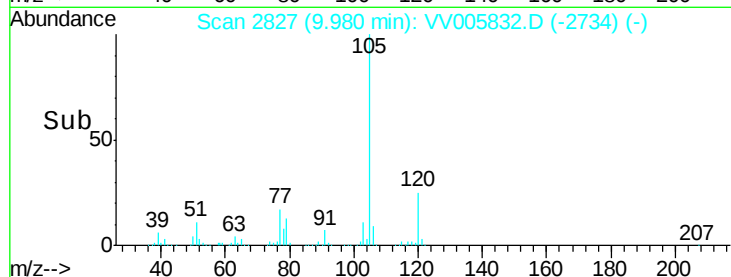
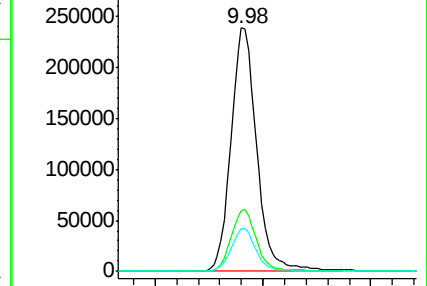
77 17.2 14.4 21.6



Abundance Ion 105.05 (104.75 to 105.75): VV005816.D (-2813) (-)

Ion 120.10 (119.80 to 120.80): VV005816.D (-2813) (-)

Ion 77.10 (76.80 to 77.80): VV005816.D (-2813) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 5.19 ug/L

RT: 10.30 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VV005832.D

Acq: 07 May 2018 22:06

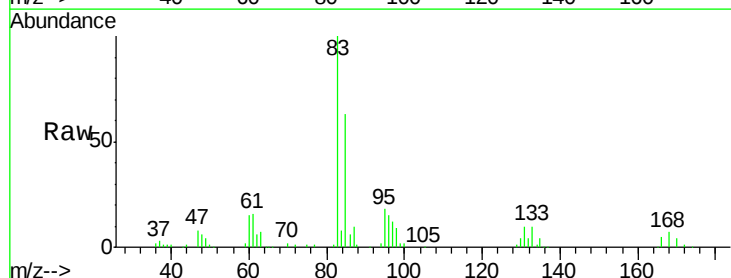
Tgt Ion: 83 Resp: 72652

Ion Ratio Lower Upper

83 100

85 62.5 43.6 81.0

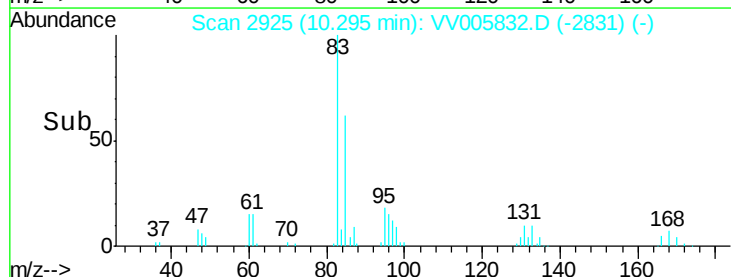
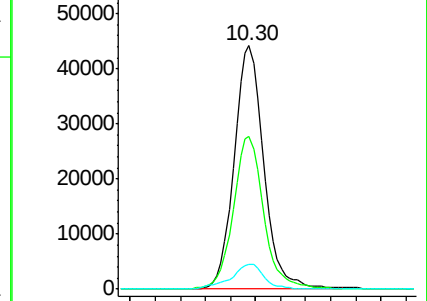
131 10.3 7.4 11.2

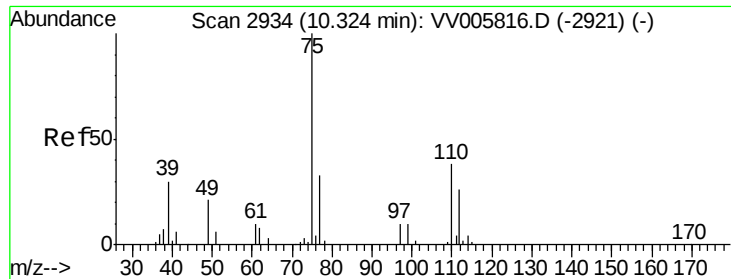


Abundance Ion 82.95 (82.65 to 83.65): VV005816.D (-2910) (-)

Ion 85.00 (84.70 to 85.70): VV005816.D (-2910) (-)

Ion 130.95 (130.65 to 131.65): VV005816.D (-2910) (-)





#59

1,2,3-Trichloropropane

Concen: 5.56 ug/L

RT: 10.33 min Scan# 2935

Delta R.T. 0.00 min

Lab File: VV005832.D

Acq: 07 May 2018 22:06

Instrument :

MSVOA_V

ClientSampleId :

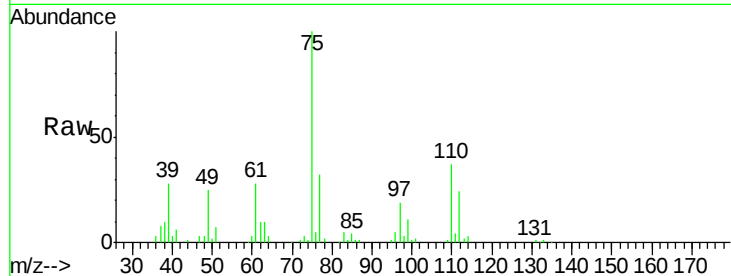
VSTD00599

Tgt Ion: 75 Resp: 62747

Ion Ratio Lower Upper

75 100

77 31.8 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VV005816.D (-2921) (-)

Ion 77.00 (76.70 to 77.70): VV005816.D (-2921) (-)

10.33

40000

30000

20000

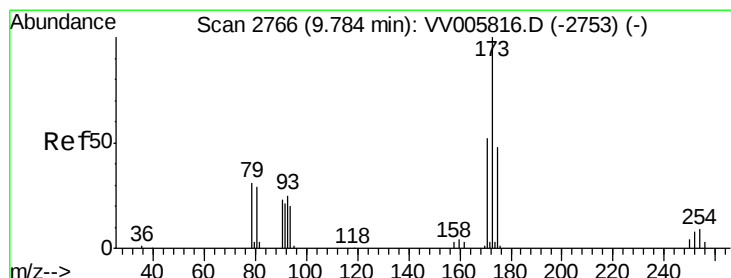
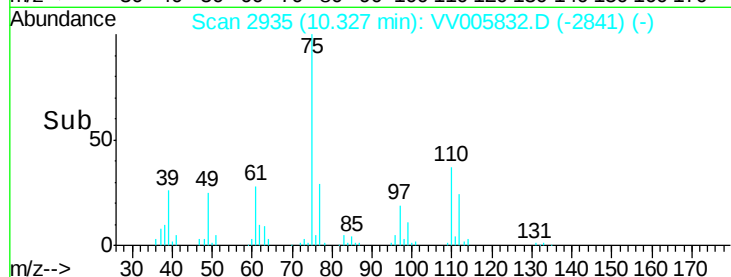
10000

0

Time-->

10.30

10.40



#61

Bromoform

Concen: 5.26 ug/L

RT: 9.78 min Scan# 2766

Delta R.T. -0.00 min

Lab File: VV005832.D

Acq: 07 May 2018 22:06

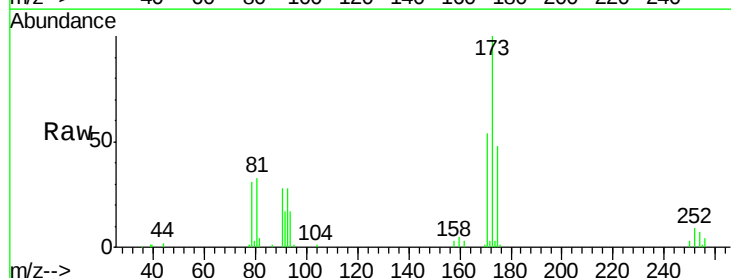
Tgt Ion: 173 Resp: 36866

Ion Ratio Lower Upper

173 100

175 46.4 36.6 54.8

254 7.4 5.5 8.3



Abundance Ion 172.90 (172.60 to 173.60): VV005816.D (-2753) (-)

Ion 174.90 (174.60 to 175.60): VV005816.D (-2753) (-)

Ion 253.75 (253.45 to 254.45): VV005816.D (-2753) (-)

9.78

30000

25000

20000

15000

10000

5000

0

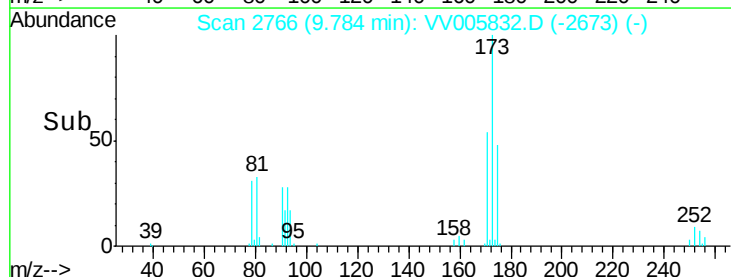
Time-->

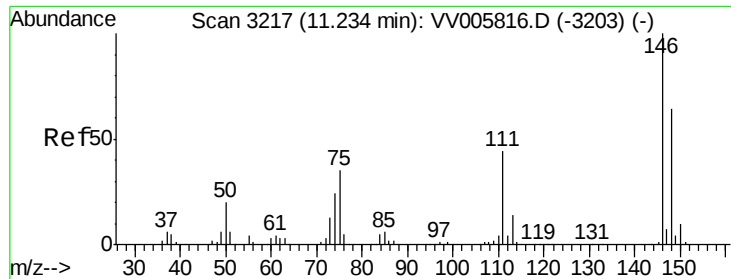
9.70

9.75

9.80

9.85





#62

1,3-Dichlorobenzene

Concen: 5.09 ug/L

RT: 11.23 min Scan# 3217

Delta R.T. -0.00 min

Lab File: VV005832.D

Acq: 07 May 2018 22:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD00599

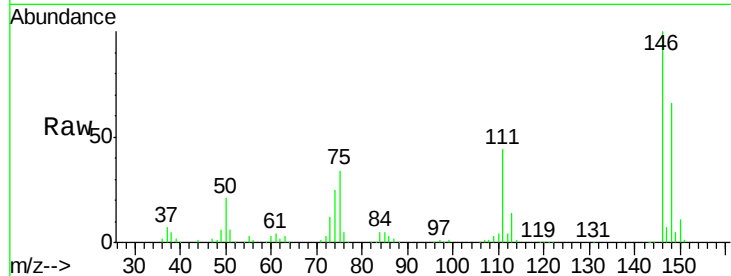
Tgt Ion:146 Resp: 178130

Ion Ratio Lower Upper

146 100

111 43.5 31.1 57.7

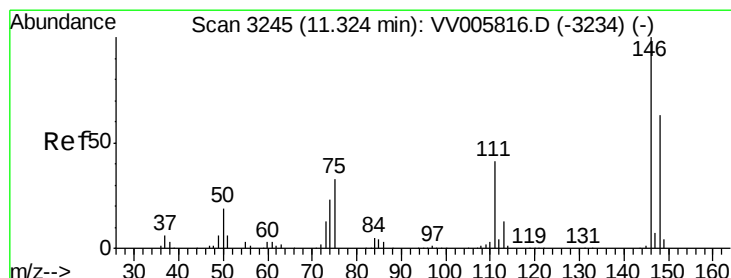
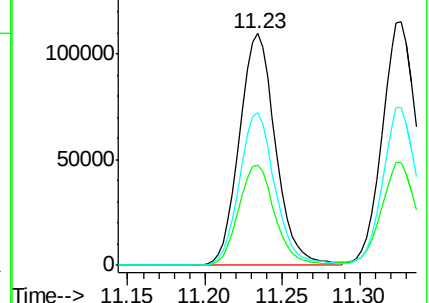
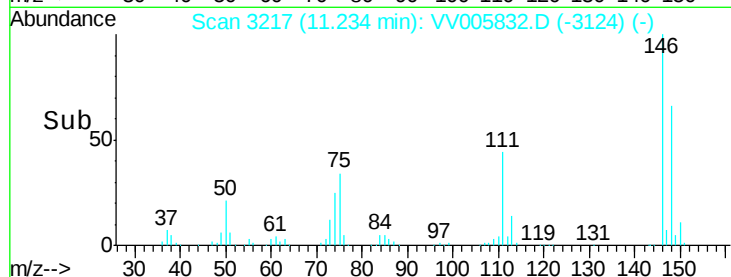
148 66.0 44.5 82.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.10 ug/L

RT: 11.33 min Scan# 3246

Delta R.T. 0.00 min

Lab File: VV005832.D

Acq: 07 May 2018 22:06

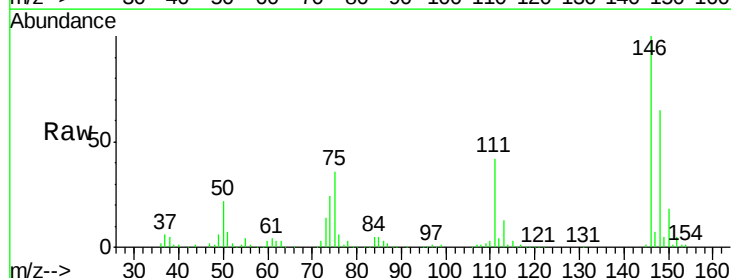
Tgt Ion:146 Resp: 186357

Ion Ratio Lower Upper

146 100

111 42.2 28.6 53.2

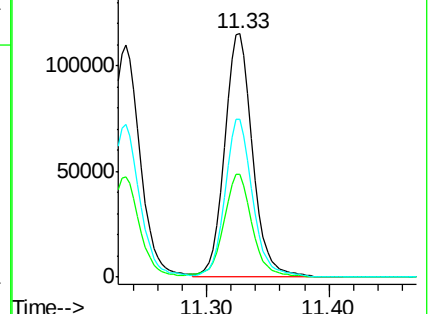
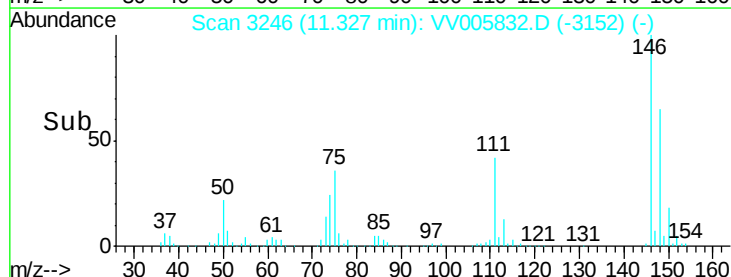
148 64.8 46.2 85.8

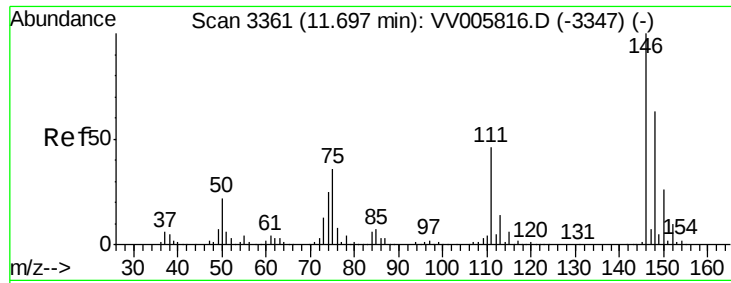


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.15 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. -0.00 min

Lab File: VV005832.D

Acq: 07 May 2018 22:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD00599

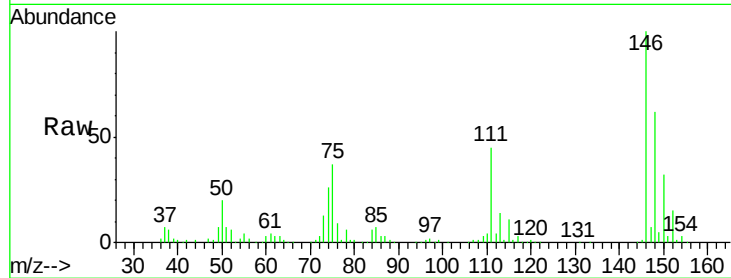
Tgt Ion:146 Resp: 177335

Ion Ratio Lower Upper

146 100

111 44.9 37.0 55.6

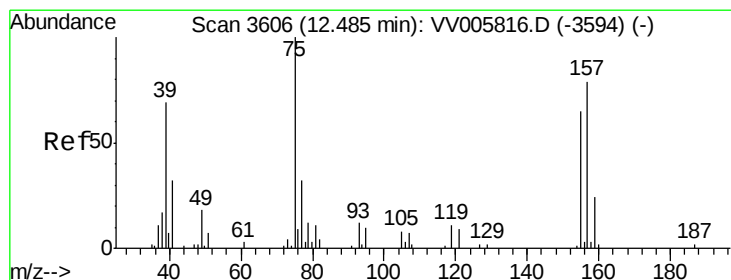
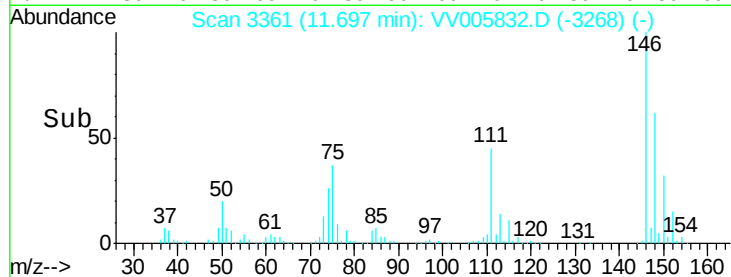
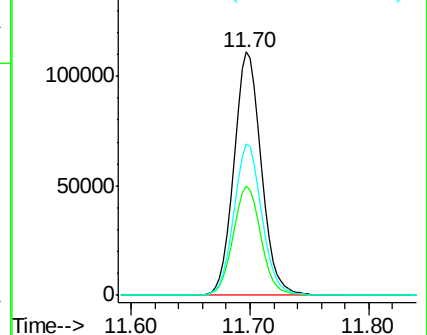
148 62.0 50.9 76.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.88 ug/L

RT: 12.48 min Scan# 3606

Delta R.T. -0.00 min

Lab File: VV005832.D

Acq: 07 May 2018 22:06

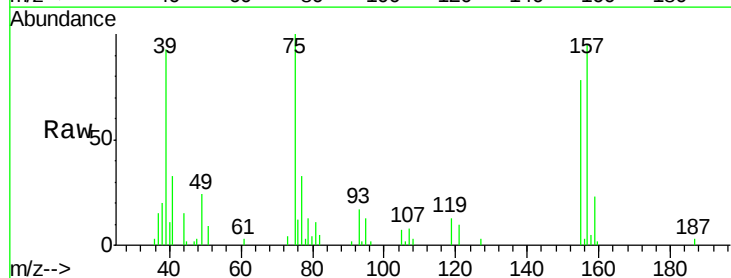
Tgt Ion: 75 Resp: 11164

Ion Ratio Lower Upper

75 100

155 78.3 56.1 84.1

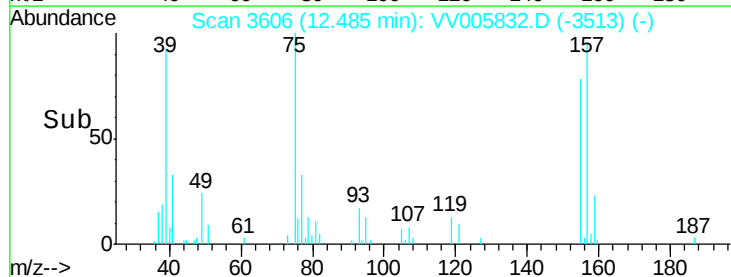
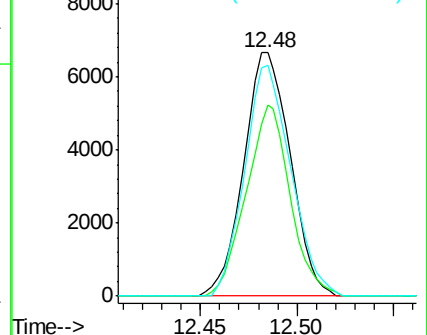
157 94.6 81.0 121.4

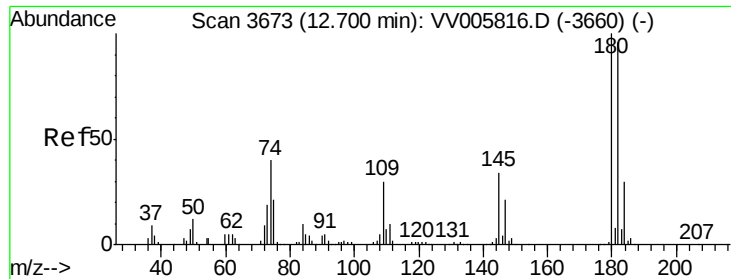


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

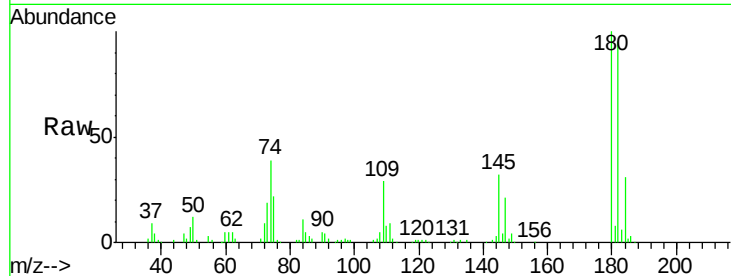




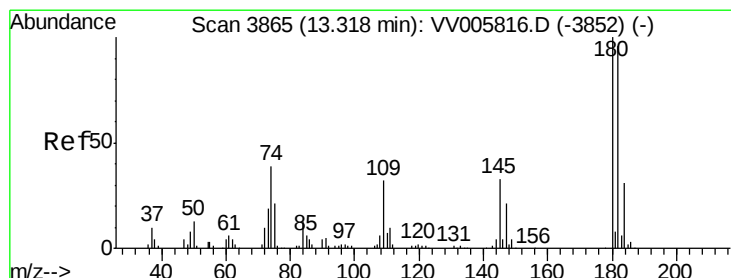
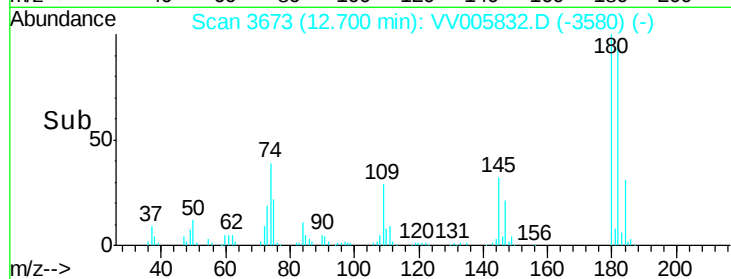
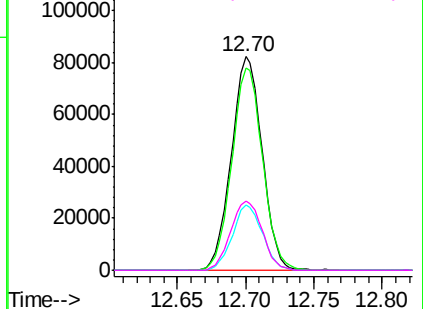
#67
 1,3,5-Trichlorobenzene
 Concen: 5.05 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. -0.00 min
 Lab File: VV005832.D
 Acq: 07 May 2018 22:06

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00599

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.4	113.0
184	29.8	24.6	36.8
145	33.1	26.0	39.0

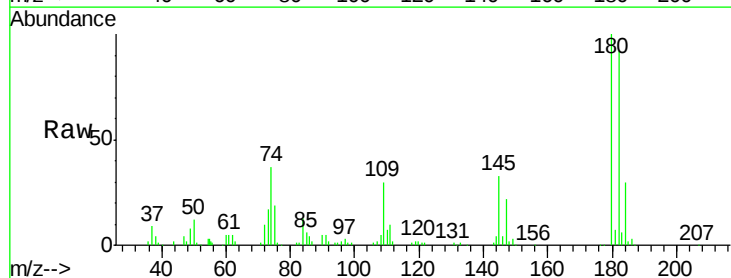


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

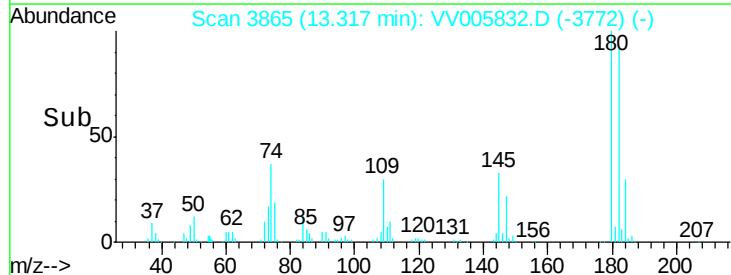
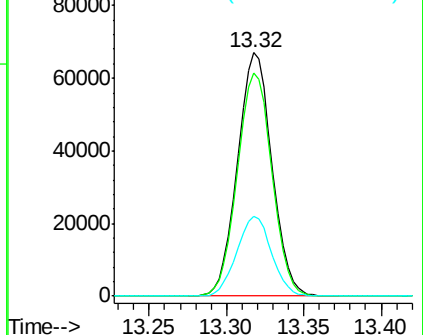


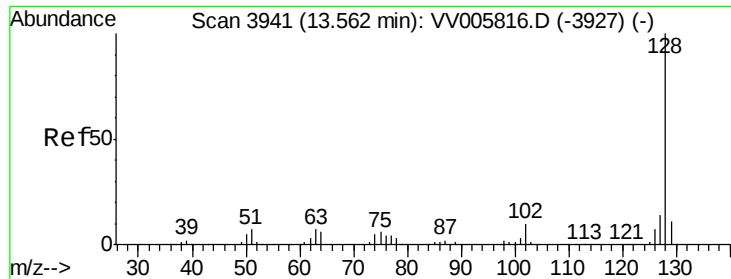
#68
 1,2,4-trichlorobenzene
 Concen: 5.44 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. -0.00 min
 Lab File: VV005832.D
 Acq: 07 May 2018 22:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.3	76.4	114.6
145	33.1	27.2	40.8



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 6.69 ug/L

RT: 13.56 min Scan# 3941

Delta R.T. -0.00 min

Lab File: VV005832.D

Acq: 07 May 2018 22:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD00599

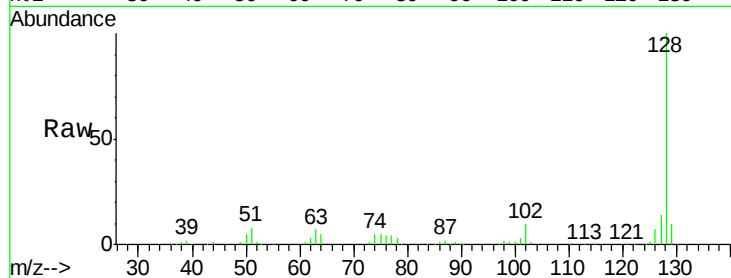
Tgt Ion:128 Resp: 203385

Ion Ratio Lower Upper

128 100

129 10.9 9.1 13.7

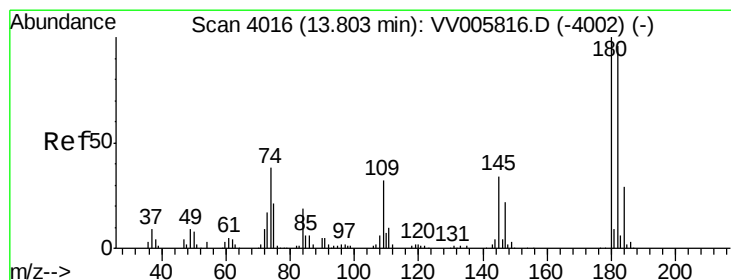
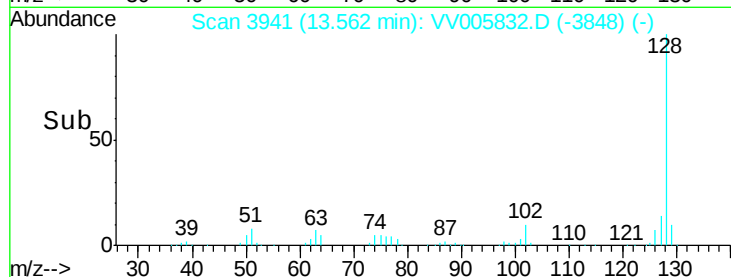
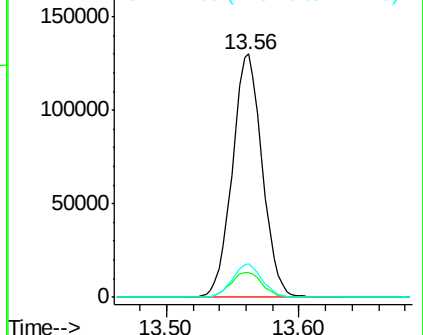
127 13.7 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.44 ug/L

RT: 13.80 min Scan# 4016

Delta R.T. -0.00 min

Lab File: VV005832.D

Acq: 07 May 2018 22:06

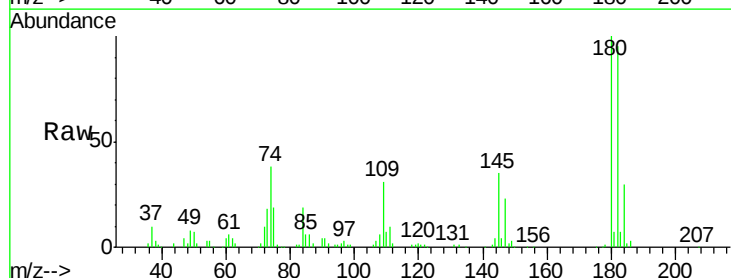
Tgt Ion:180 Resp: 98915

Ion Ratio Lower Upper

180 100

182 94.7 75.8 113.6

145 35.7 28.0 42.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

