

Data File : VV008189.D
Acq On : 09 Oct 2018 08:03
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00580

Quant Time: Oct 09 08:30:43 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR100518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 09 04:07:48 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	90311	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	88313	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	45113	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	28331	5.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.20%
7) Chloroethane-d5	1.59	69	23092	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.80%
11) 1,1-Dichloroethene-d2	2.14	63	53835	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.20%
20) 2-Butanone-d5	3.96	46	70670	52.99	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.98%
24) Chloroform-d	4.41	84	60263	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.20%
26) 1,2-Dichloroethane-d4	5.09	65	29243	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	5.10	84	114828	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
36) 1,2-Dichloropropane-d6	6.12	67	36144	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.36	98	115369	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.20%
43) trans-1,3-Dichloropropene-	7.67	79	11818	4.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.80%
46) 2-Hexanone-d5	8.14	63	50341	50.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.38%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	25897	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	43174	5.04	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	33043	5.396	ug/L 99
3) Chloromethane	1.25	50	28187	5.462	ug/L 98
5) Vinyl chloride	1.33	62	30469	5.303	ug/L 97
6) Bromomethane	1.54	94	16712	6.140	ug/L 96
8) Chloroethane	1.60	64	18482	4.814	ug/L 98
9) Trichlorofluoromethane	1.78	101	50255	5.106	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	29643	5.064	ug/L 98
12) 1,1-Dichloroethene	2.14	96	25887	5.291	ug/L 99
13) Acetone	2.21	43	43071	47.664	ug/L 100
14) Carbon disulfide	2.32	76	57925	4.652	ug/L 97
15) Methyl Acetate	2.47	43	11352	5.292	ug/L 99
16) Methylene chloride	2.54	84	28397	4.784	ug/L 98
17) Methyl tert-butyl Ether	2.81	73	63795	5.202	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	27683	5.184	ug/L 95
19) 1,1-Dichloroethane	3.23	63	55224	5.431	ug/L 99
21) 2-Butanone	4.05	43	73692	50.552	ug/L 99
22) cis-1,2-Dichloroethene	3.97	96	32216	5.349	ug/L 100

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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	14999	5.484	ug/L	95
25) Chloroform	4.43	83	60125	5.495	ug/L	99
27) 1,2-Dichloroethane	5.19	62	34557	5.376	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	50738	5.173	ug/L	100
30) Cyclohexane	4.73	56	39125	4.803	ug/L	97
31) Carbon tetrachloride	4.88	117	44919	5.097	ug/L	100
33) Benzene	5.15	78	120033	5.386	ug/L	100
34) Trichloroethene	5.96	95	32484	4.995	ug/L	99
35) Methylcyclohexane	6.18	83	42461	4.674	ug/L	99
37) 1,2-Dichloropropane	6.23	63	31743	5.279	ug/L	99
38) Bromodichloromethane	6.56	83	38001	5.166	ug/L	95
39) cis-1,3-Dichloropropene	7.07	75	36635	4.751	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	180643	53.012	ug/L	100
42) Toluene	7.43	91	130318	5.505	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	30091	4.799	ug/L	96
45) 1,1,2-Trichloroethane	7.89	97	22803	5.407	ug/L	98
47) Tetrachloroethene	8.02	164	29614	5.099	ug/L	94
48) 2-Hexanone	8.19	43	129302	55.894	ug/L	97
49) Dibromochloromethane	8.30	129	26372	5.012	ug/L	95
50) 1,2-Dibromoethane	8.40	107	20815	5.436	ug/L	95
51) Chlorobenzene	8.93	112	86481	5.223	ug/L	98
52) Ethylbenzene	9.06	91	135325	5.238	ug/L	99
53) m,p-xylene	9.18	106	52255	5.335	ug/L	97
54) o-xylene	9.59	106	50885	5.441	ug/L	96
55) Styrene	9.61	104	88347	5.547	ug/L	99
56) Isopropylbenzene	9.98	105	136041	5.289	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	25787	5.274	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	18830	5.364	ug/L	96
61) Bromoform	9.78	173	14866	5.352	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	68810	5.124	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	71986	5.258	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	69924	5.389	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	3237	4.777	ug/L	93
67) 1,3,5-Trichlorobenzene	12.70	180	57694	5.041	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	42420	4.969	ug/L	99
69) Naphthalene	13.56	128	48565	4.455	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	41411	5.100	ug/L	99

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

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VSTD00580

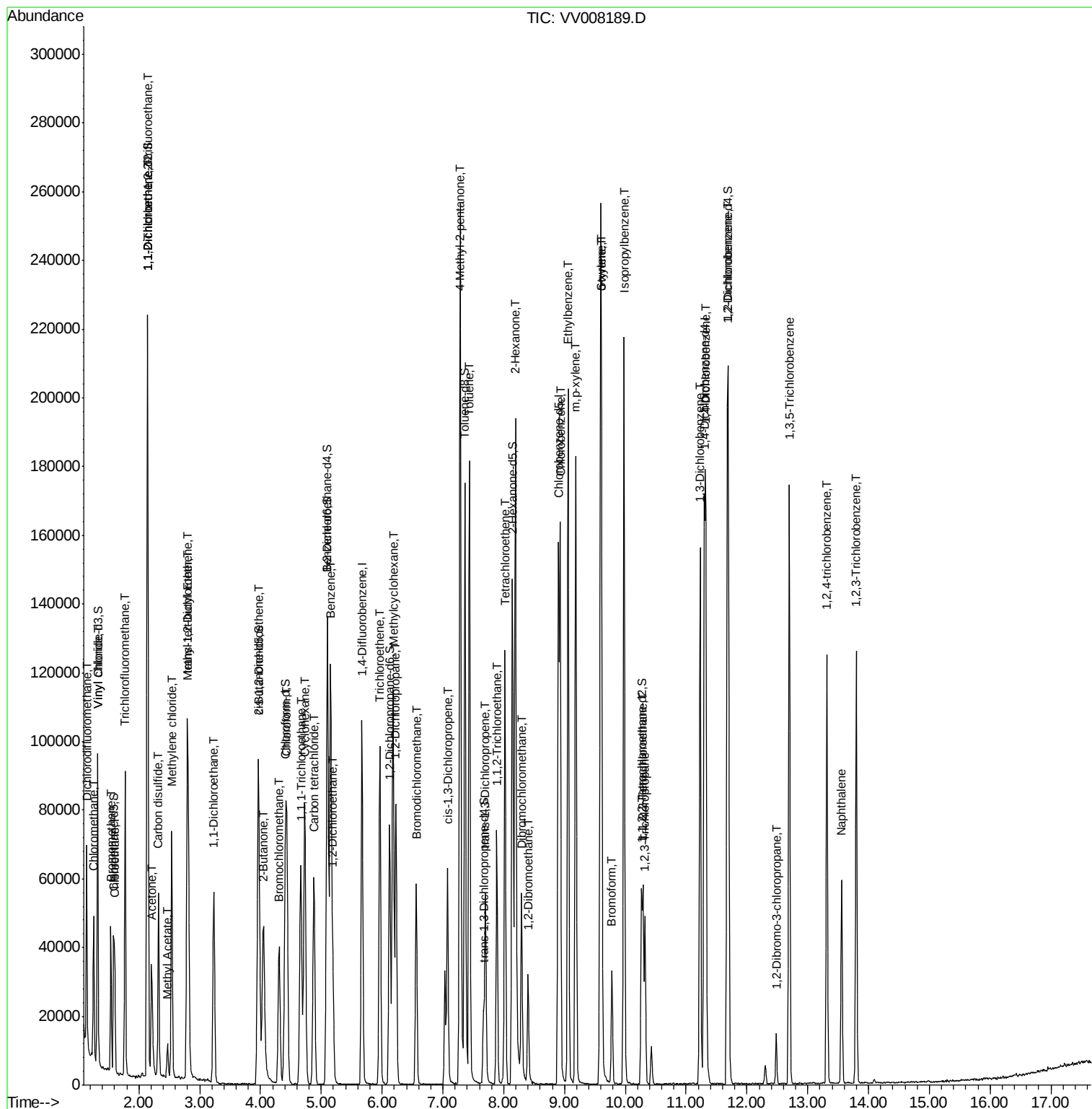
Quant Time: Oct 09 08:30:43 2018

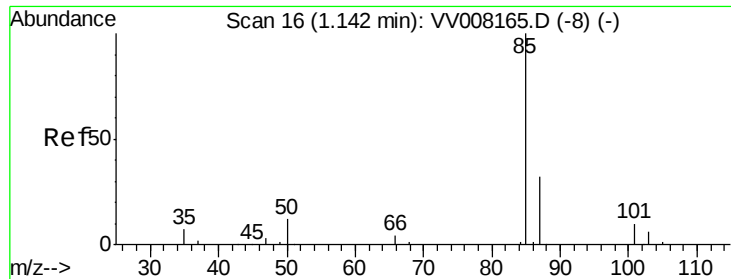
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR100518WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Oct 09 04:07:48 2018

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.396 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV008189.D

Acq: 09 Oct 2018 08:03

Instrument :

MSVOA_V

ClientSampleId :

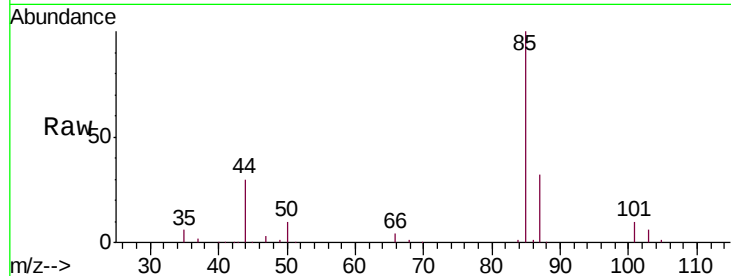
VSTD00580

Tgt Ion: 85 Resp: 33043

Ion Ratio Lower Upper

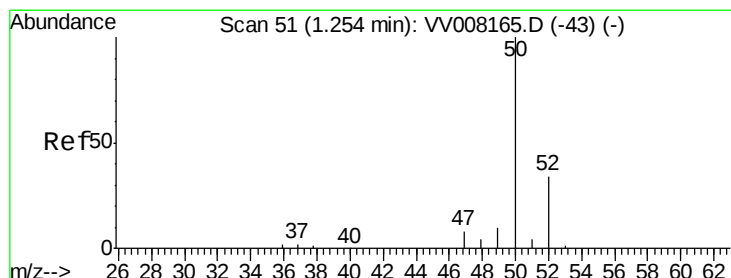
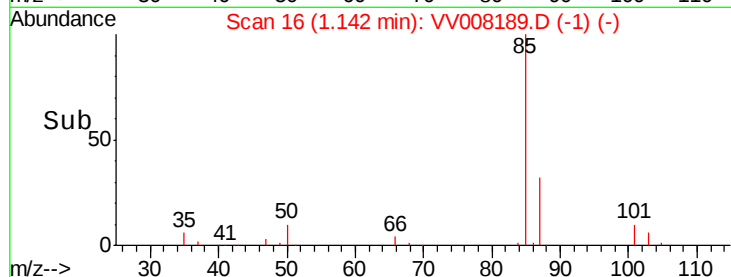
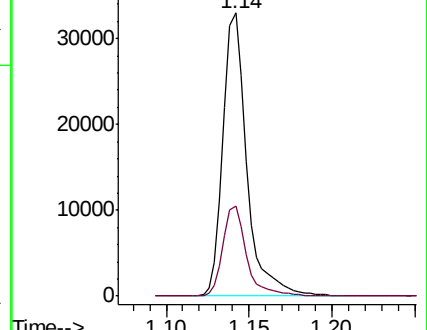
85 100

87 31.4 24.6 37.0



Abundance Ion 85.00 (84.70 to 85.70): VV008165.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV008165.D (-8) (-)



#3

Chloromethane

Concen: 5.462 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008189.D

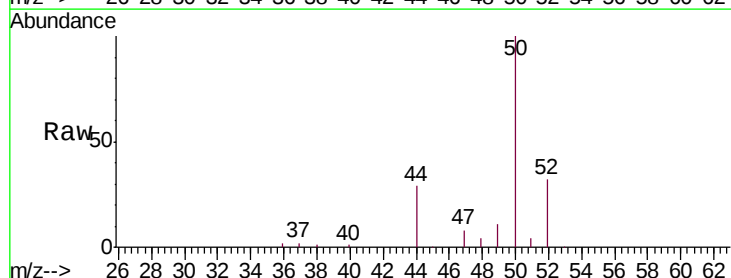
Acq: 09 Oct 2018 08:03

Tgt Ion: 50 Resp: 28187

Ion Ratio Lower Upper

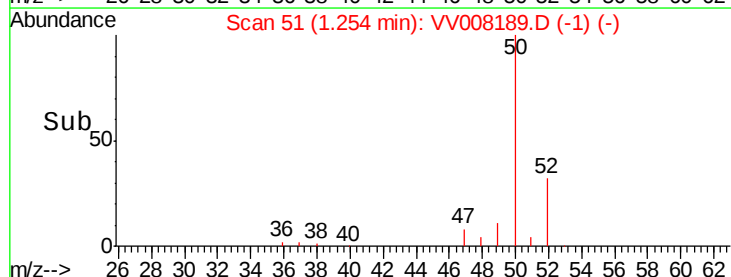
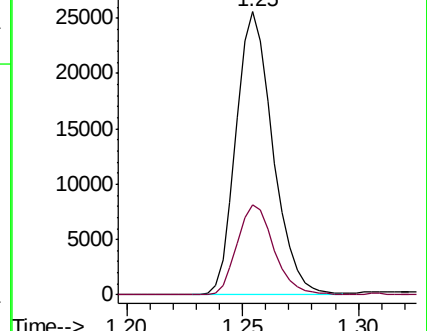
50 100

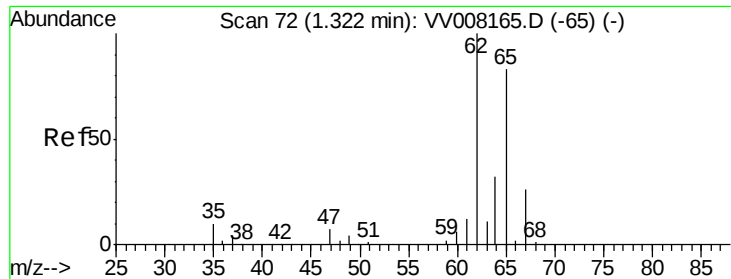
52 31.7 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV008165.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV008165.D (-43) (-)





#5

Vinyl chloride

Concen: 5.303 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008189.D

Acq: 09 Oct 2018 08:03

Instrument :

MSVOA_V

ClientSampleId :

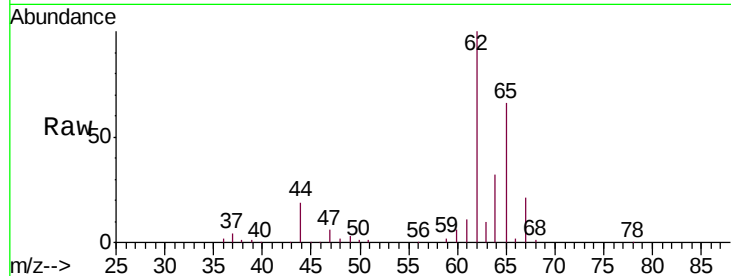
VSTD00580

Tgt Ion: 62 Resp: 30469

Ion Ratio Lower Upper

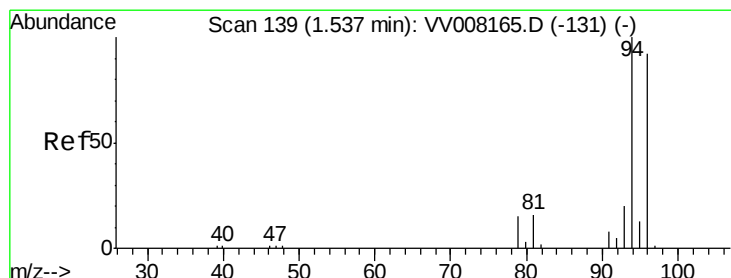
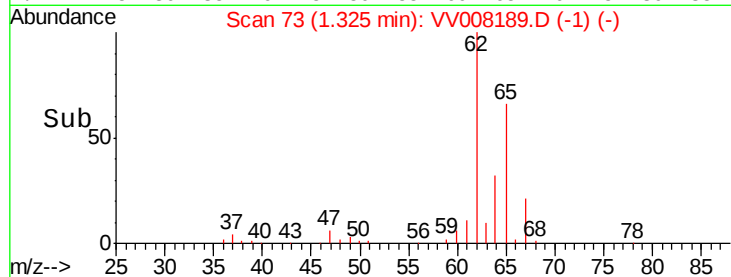
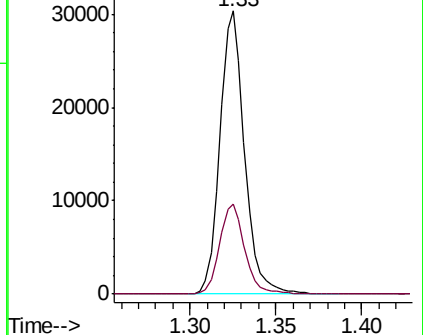
62 100

64 31.7 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VV008189.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VV008189.D (-1) (-)



#6

Bromomethane

Concen: 6.140 ug/L

RT: 1.54 min Scan# 140

Delta R.T. 0.00 min

Lab File: VV008189.D

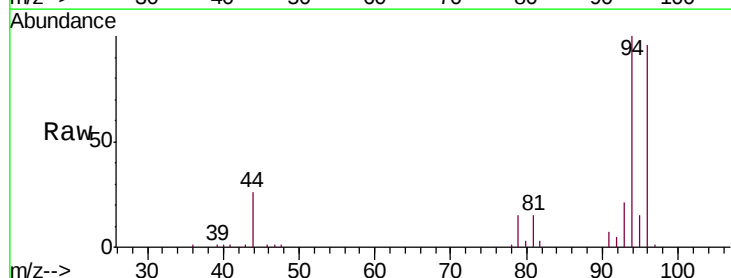
Acq: 09 Oct 2018 08:03

Tgt Ion: 94 Resp: 16712

Ion Ratio Lower Upper

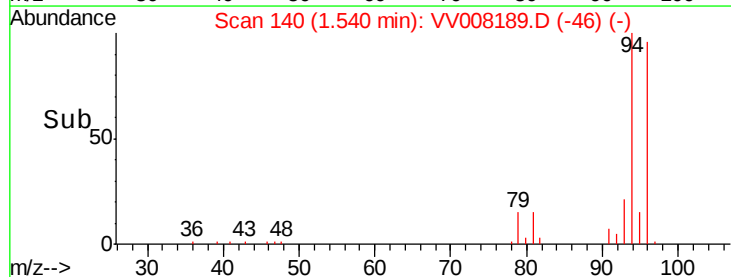
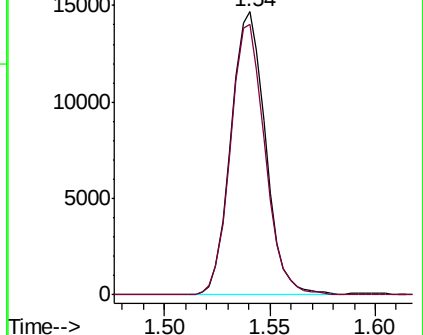
94 100

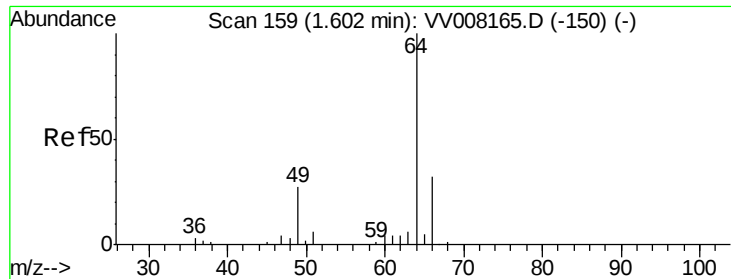
96 95.6 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VV008189.D (-46) (-)

Ion 96.00 (95.70 to 96.70): VV008189.D (-46) (-)

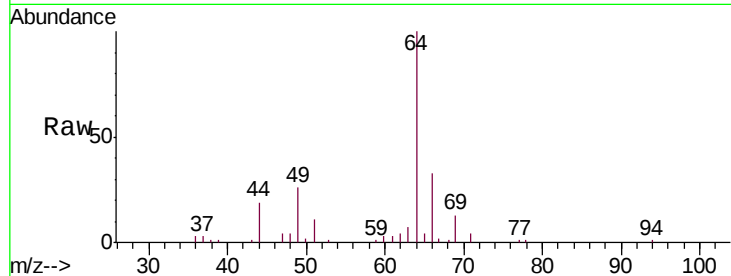




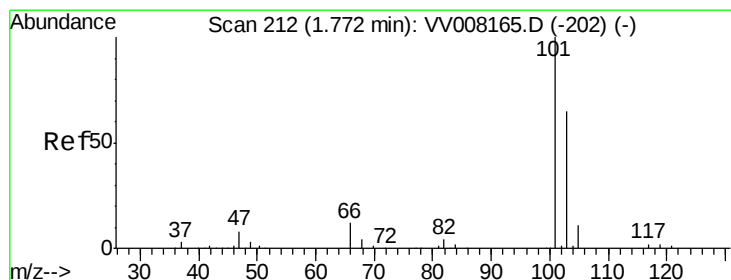
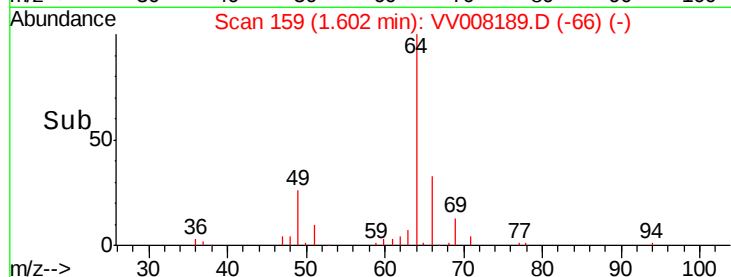
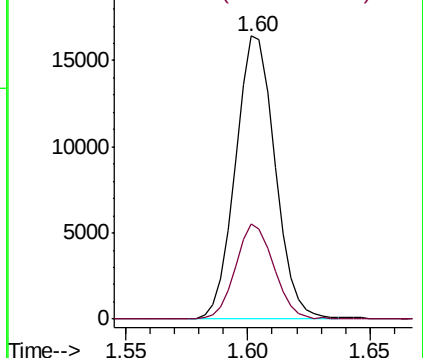
#8
Chloroethane
Concen: 4.814 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV008189.D
Acq: 09 Oct 2018 08:03

Instrument :
MSVOA_V
ClientSampleId :
VSTD00580

Tgt Ion: 64 Resp: 18482
Ion Ratio Lower Upper
64 100
66 33.5 24.1 44.8

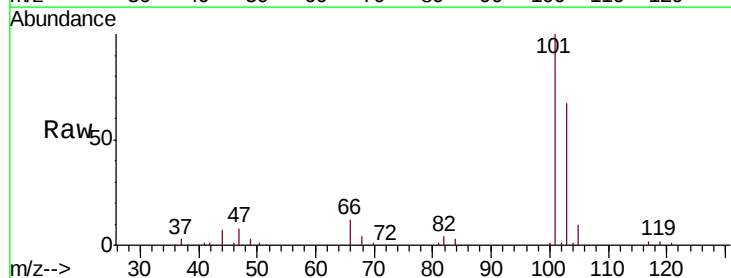


Abundance Ion 64.10 (63.80 to 64.80): VV008165.D (-150) (-)
Ion 66.05 (65.75 to 66.75): VV008189.D (-66) (-)

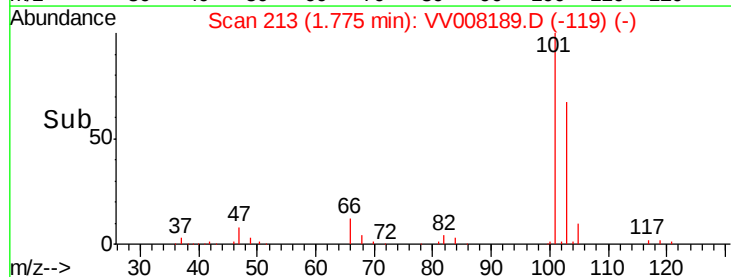
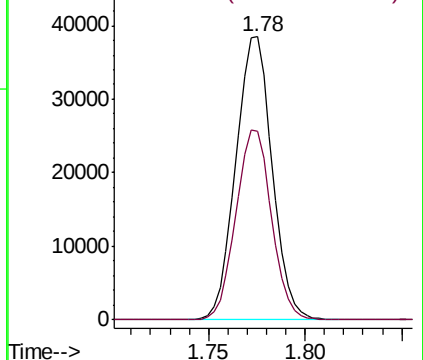


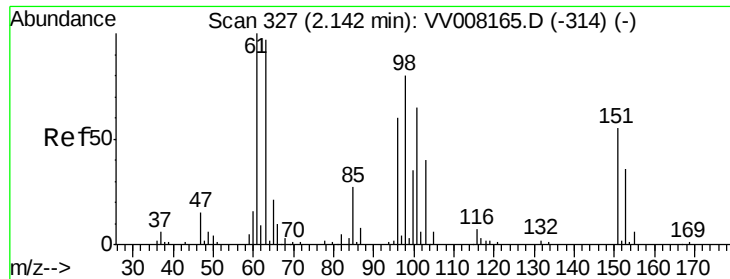
#9
Trichlorofluoromethane
Concen: 5.106 ug/L
RT: 1.78 min Scan# 213
Delta R.T. 0.00 min
Lab File: VV008189.D
Acq: 09 Oct 2018 08:03

Tgt Ion: 101 Resp: 50255
Ion Ratio Lower Upper
101 100
103 66.0 53.1 79.7



Abundance Ion 101.00 (100.70 to 101.70): VV008165.D (-202) (-)
Ion 103.00 (102.70 to 103.70): VV008189.D (-119) (-)





#10

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

Concen: 5.064 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV008189.D

Acq: 09 Oct 2018 08:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD00580

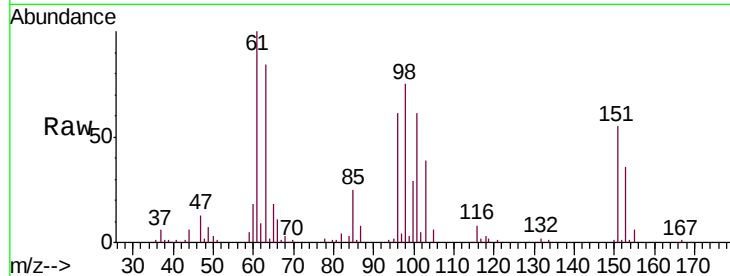
Tgt Ion:101 Resp: 29643

Ion Ratio Lower Upper

101 100

85 41.4 35.4 53.0

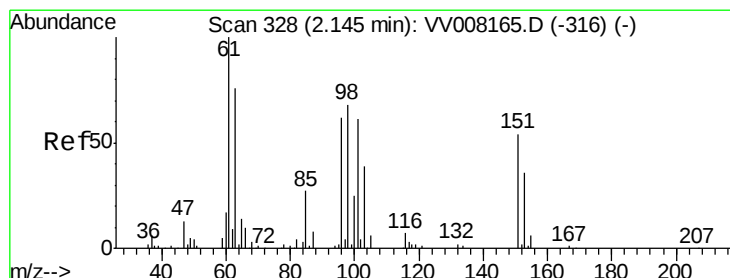
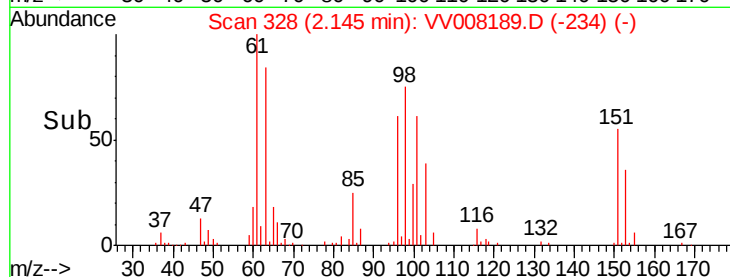
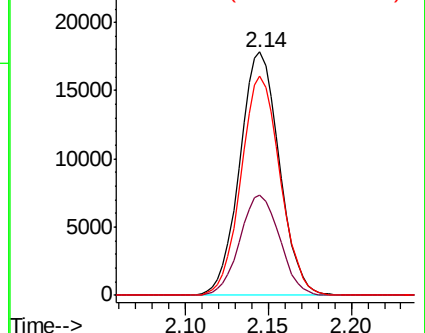
151 88.7 70.7 106.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.291 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV008189.D

Acq: 09 Oct 2018 08:03

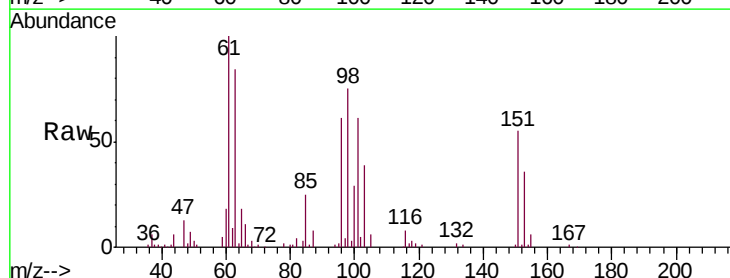
Tgt Ion: 96 Resp: 25887

Ion Ratio Lower Upper

96 100

61 163.0 114.7 213.1

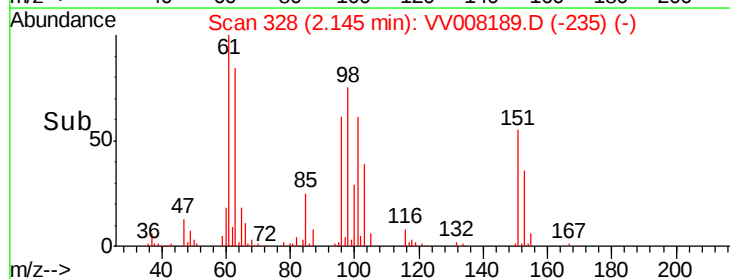
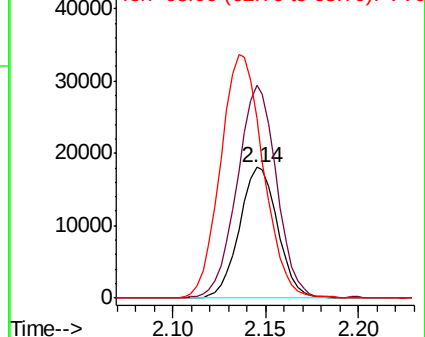
63 137.5 96.9 179.9

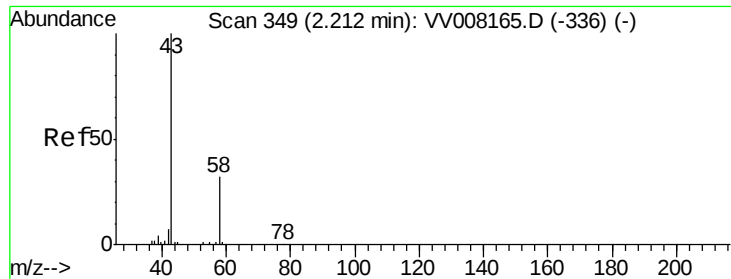


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 47.664 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.00 min

Lab File: VV008189.D

Acq: 09 Oct 2018 08:03

Instrument :

MSVOA_V

ClientSampleId :

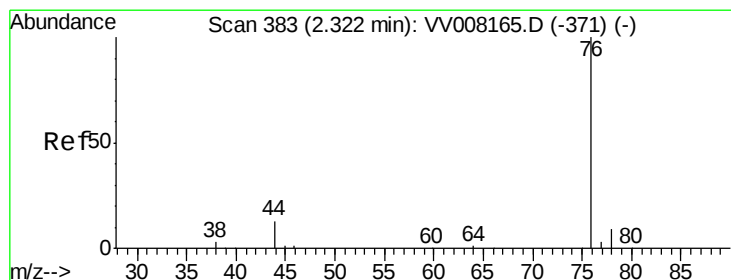
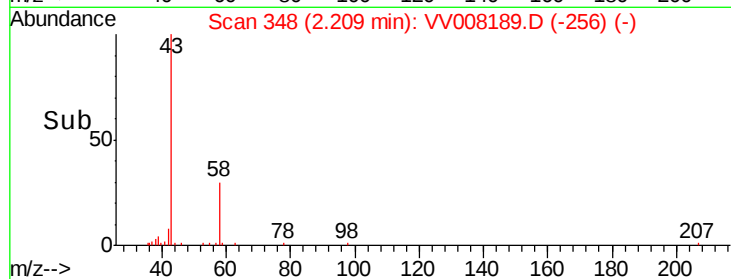
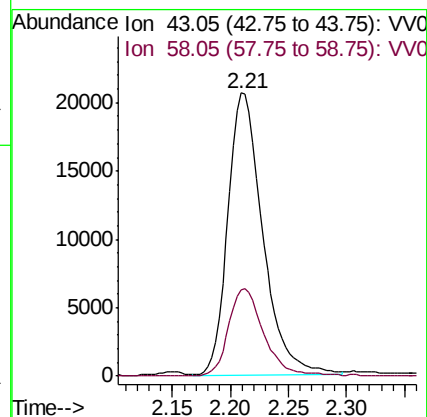
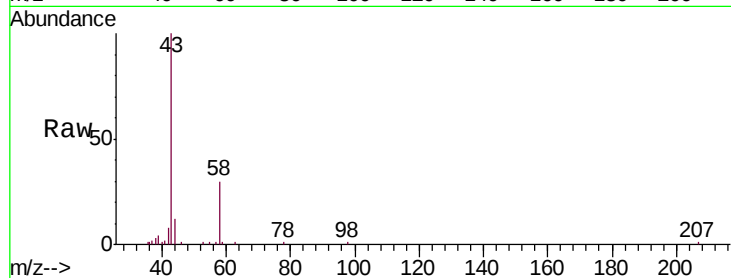
VSTD00580

Tgt Ion: 43 Resp: 43071

Ion Ratio Lower Upper

43 100

58 31.3 0.0 62.2



#14

Carbon disulfide

Concen: 4.652 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV008189.D

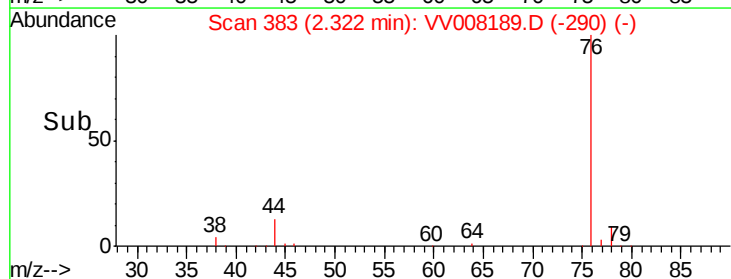
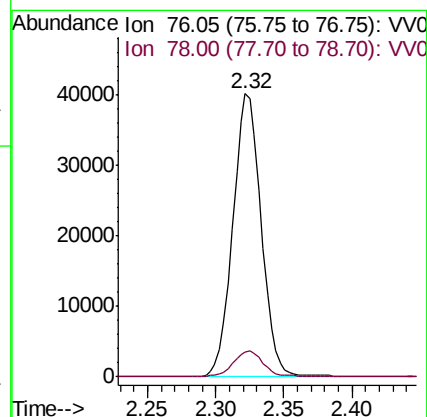
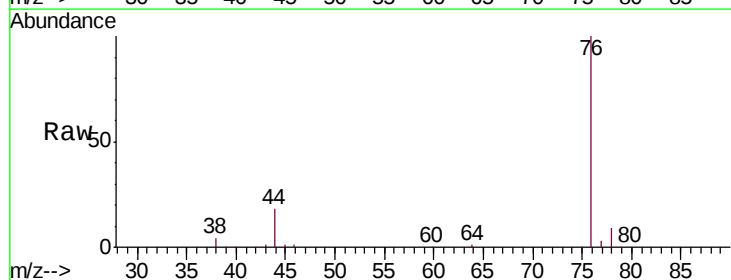
Acq: 09 Oct 2018 08:03

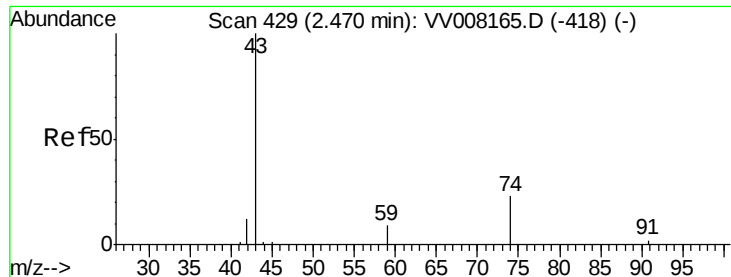
Tgt Ion: 76 Resp: 57925

Ion Ratio Lower Upper

76 100

78 9.0 8.0 12.0





#15

Methyl Acetate

Concen: 5.292 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VV008189.D

Acq: 09 Oct 2018 08:03

Instrument :

MSVOA_V

ClientSampleId :

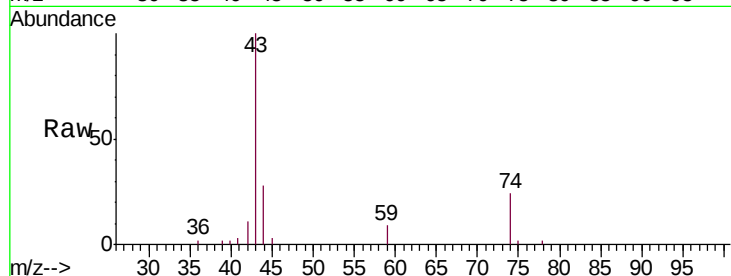
VSTD00580

Tgt Ion: 43 Resp: 11352

Ion Ratio Lower Upper

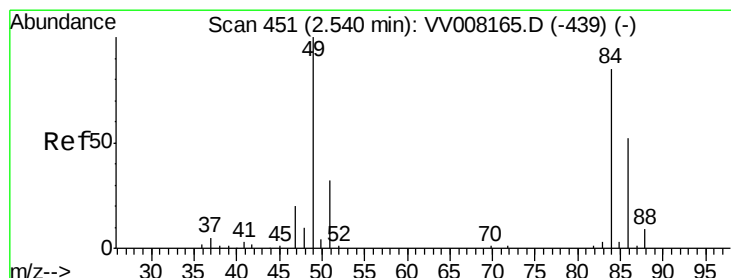
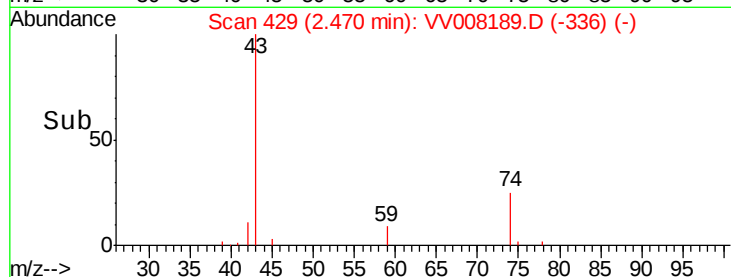
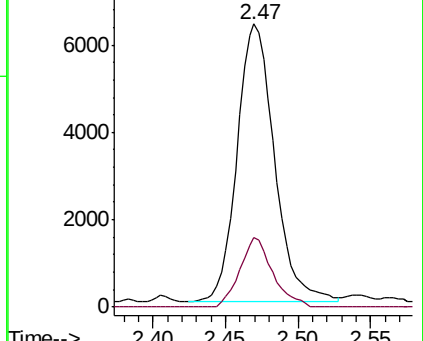
43 100

74 22.0 18.1 27.1



Abundance Ion 43.05 (42.75 to 43.75): VV008189.D (-336) (-)

Ion 74.05 (73.75 to 74.75): VV008189.D (-336) (-)



#16

Methylene chloride

Concen: 4.784 ug/L

RT: 2.54 min Scan# 451

Delta R.T. 0.00 min

Lab File: VV008189.D

Acq: 09 Oct 2018 08:03

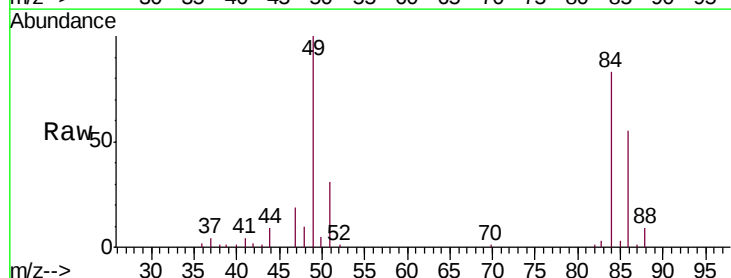
Tgt Ion: 84 Resp: 28397

Ion Ratio Lower Upper

84 100

86 65.7 45.3 84.1

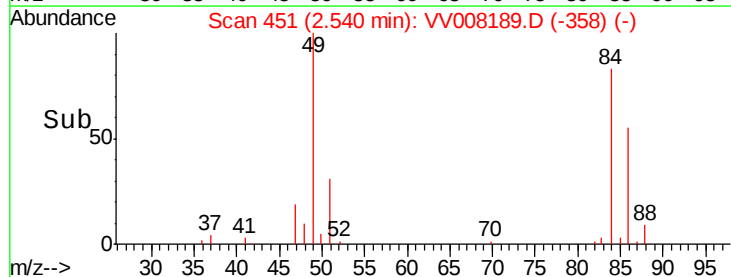
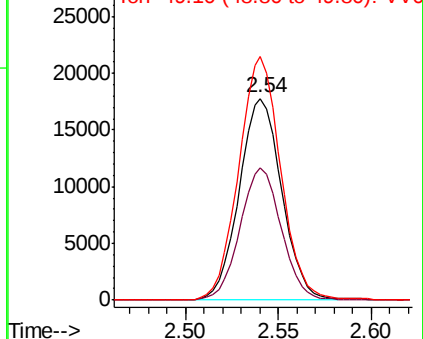
49 120.6 83.0 154.1

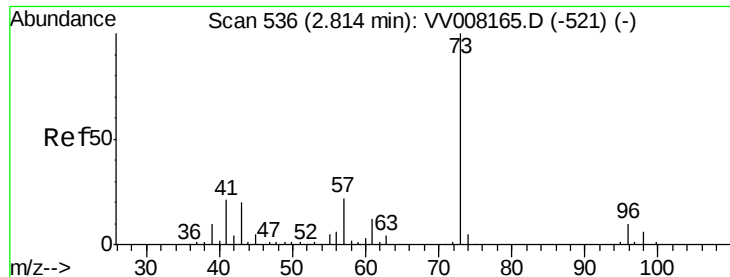


Abundance Ion 84.05 (83.75 to 84.75): VV008189.D (-358) (-)

Ion 86.00 (85.70 to 86.70): VV008189.D (-358) (-)

Ion 49.10 (48.80 to 49.80): VV008189.D (-358) (-)

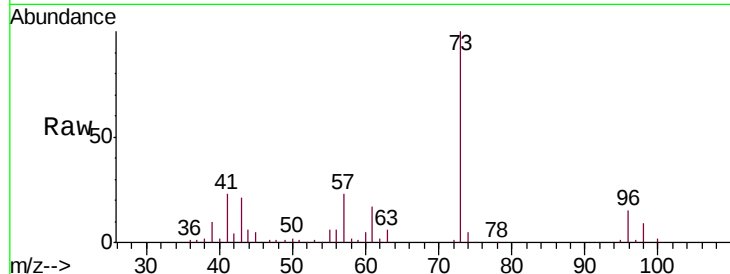




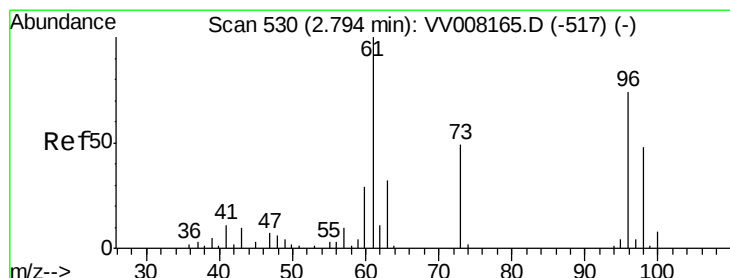
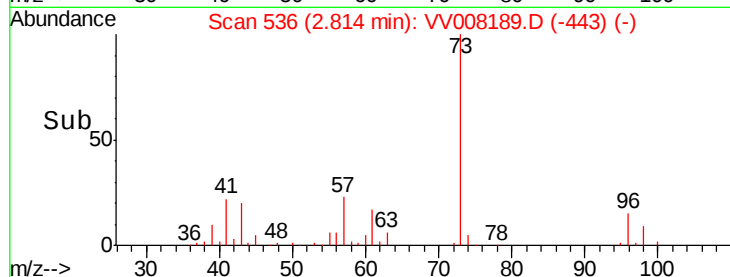
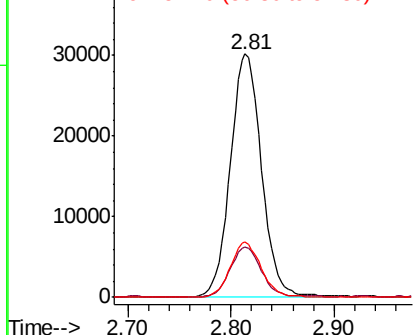
#17
Methyl tert-butyl Ether
Concen: 5.202 ug/L
RT: 2.81 min Scan# 536
Delta R.T. 0.00 min
Lab File: VV008189.D
Acq: 09 Oct 2018 08:03

Instrument :
MSVOA_V
ClientSampleId :
VSTD00580

Tgt Ion: 73 Resp: 63795
Ion Ratio Lower Upper
73 100
43 21.0 17.0 25.4
57 22.4 17.3 25.9

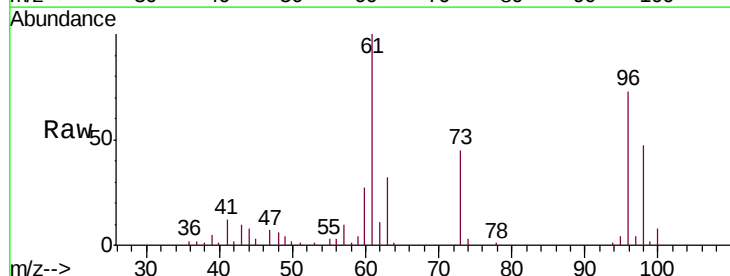


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

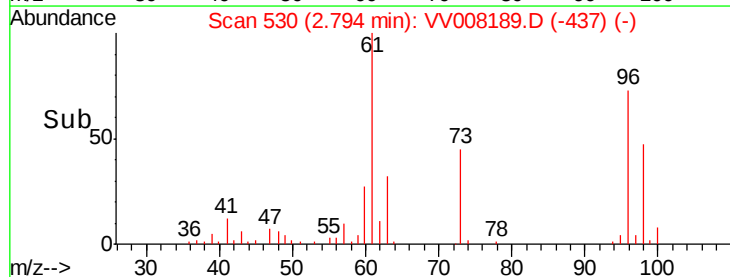
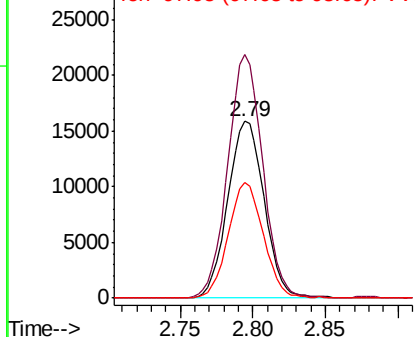


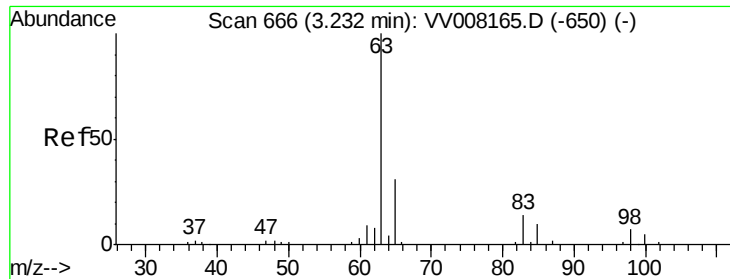
#18
trans-1,2-Dichloroethene
Concen: 5.184 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV008189.D
Acq: 09 Oct 2018 08:03

Tgt Ion: 96 Resp: 27683
Ion Ratio Lower Upper
96 100
61 137.9 91.6 170.2
98 65.1 44.4 82.5



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

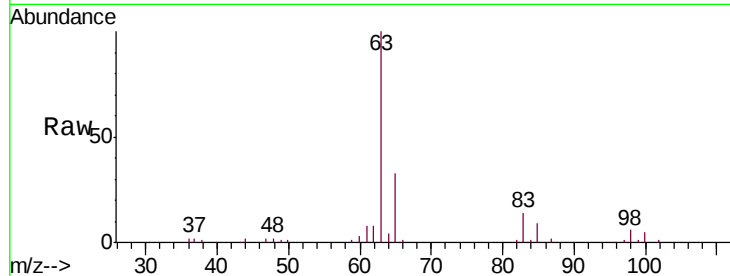




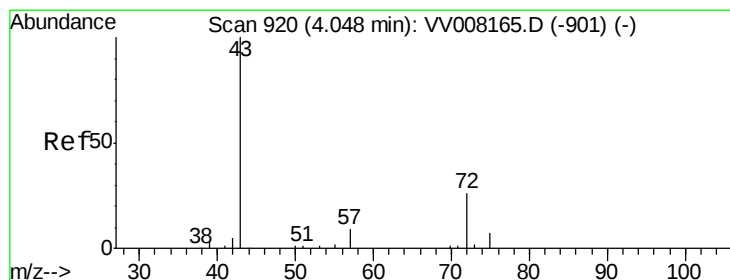
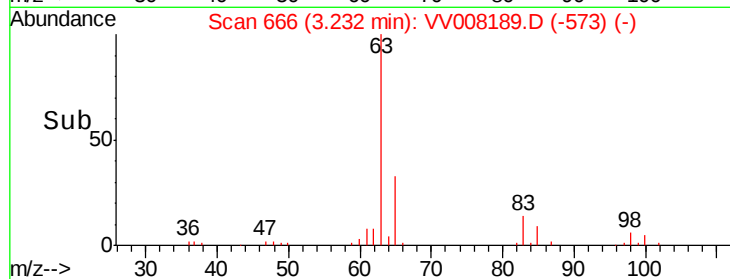
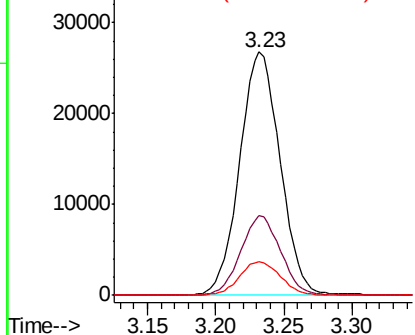
#19
 1,1-Dichloroethane
 Concen: 5.431 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV008189.D
 Acq: 09 Oct 2018 08:03

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00580

Tgt Ion: 63 Resp: 55224
 Ion Ratio Lower Upper
 63 100
 65 32.6 22.4 41.6
 83 13.9 9.6 17.8

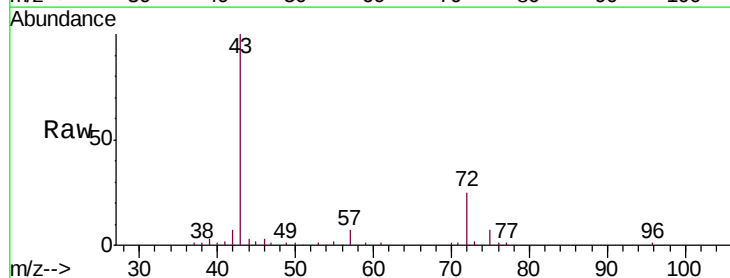


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

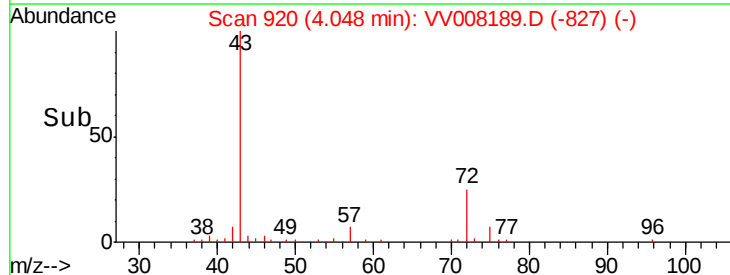
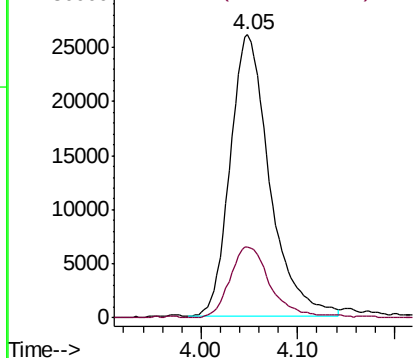


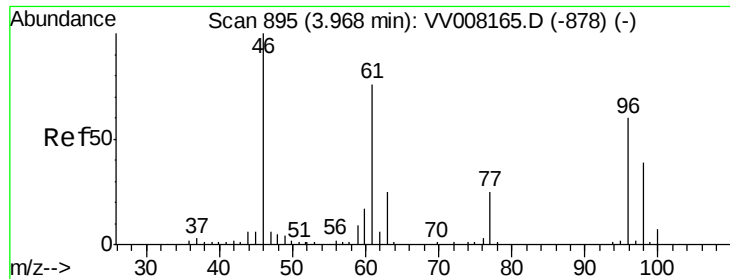
#21
 2-Butanone
 Concen: 50.552 ug/L
 RT: 4.05 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VV008189.D
 Acq: 09 Oct 2018 08:03

Tgt Ion: 43 Resp: 73692
 Ion Ratio Lower Upper
 43 100
 72 26.4 12.9 38.6



Abundance Ion 43.05 (42.75 to 43.75): VV0
 Ion 72.10 (71.80 to 72.80): VV0

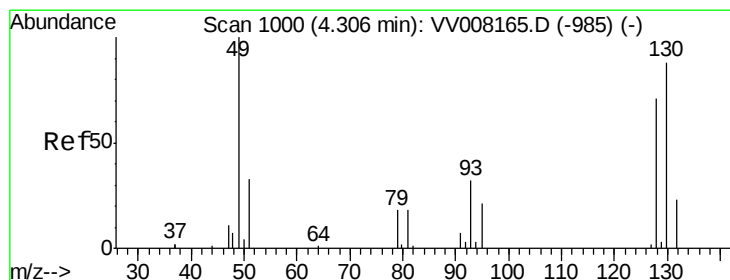
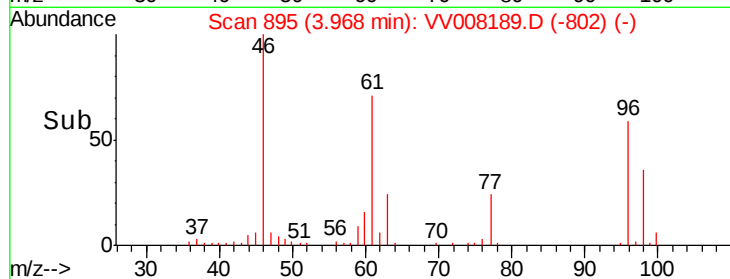
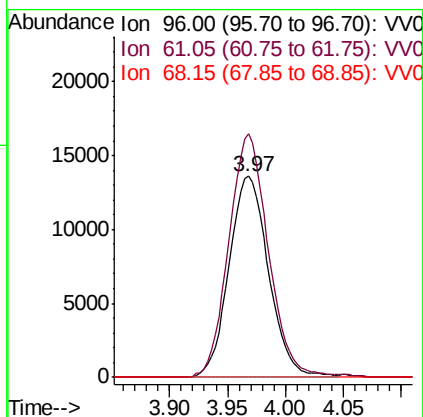
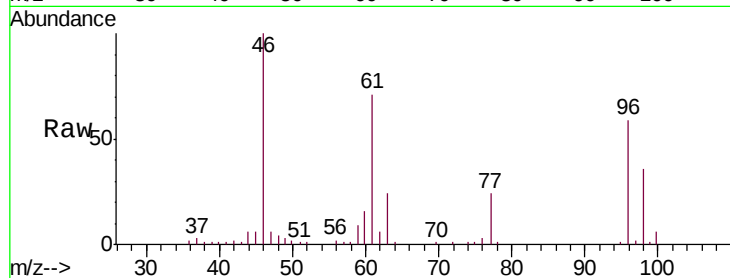




#22
 cis-1,2-Dichloroethene
 Concen: 5.349 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VV008189.D
 Acq: 09 Oct 2018 08:03

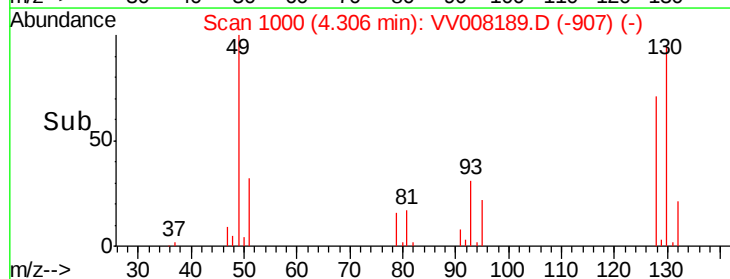
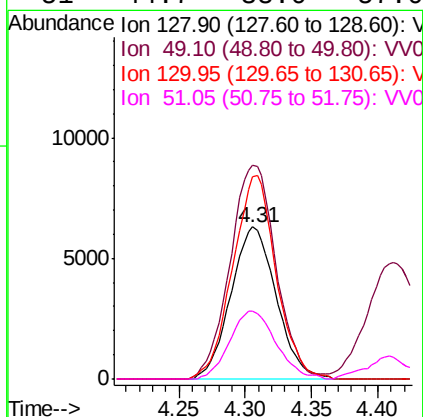
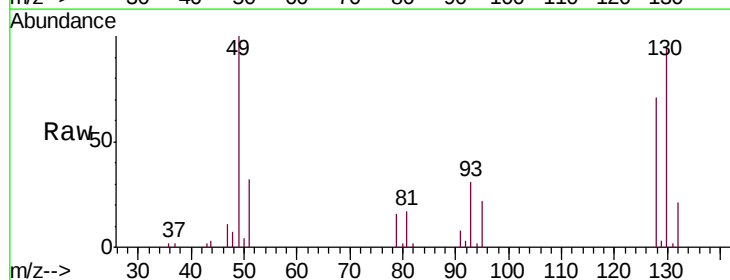
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00580

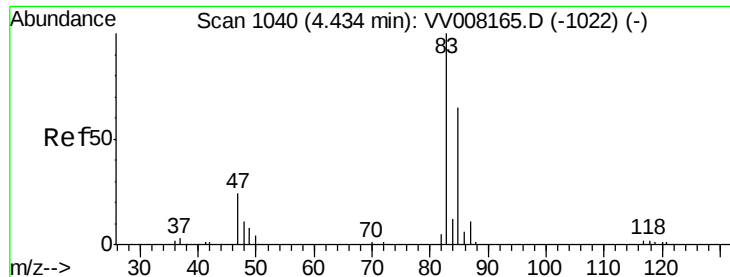
Tgt Ion: 96 Resp: 32216
 Ion Ratio Lower Upper
 96 100
 61 121.1 85.1 158.1
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.484 ug/L
 RT: 4.31 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VV008189.D
 Acq: 09 Oct 2018 08:03

Tgt Ion: 128 Resp: 14999
 Ion Ratio Lower Upper
 128 100
 49 140.5 99.8 185.3
 130 132.8 85.5 158.7
 51 44.7 38.0 57.0

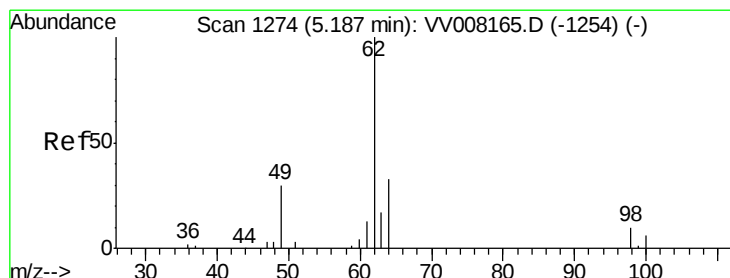
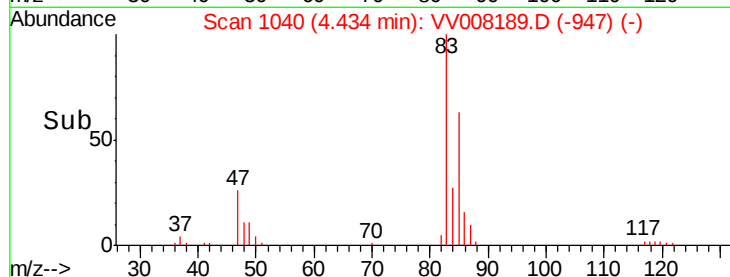
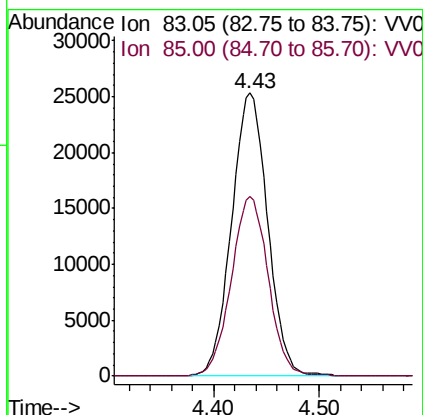
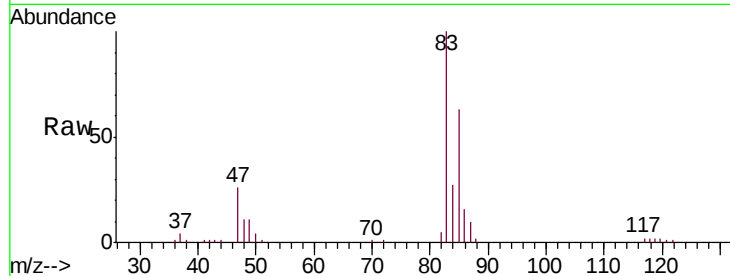




#25
 Chloroform
 Concen: 5.495 ug/L
 RT: 4.43 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VV008189.D
 Acq: 09 Oct 2018 08:03

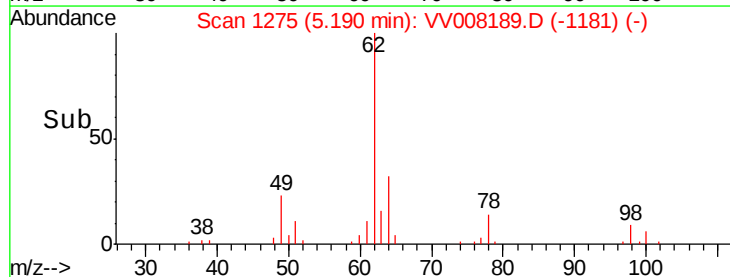
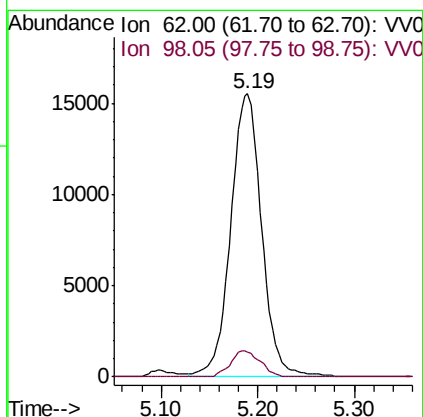
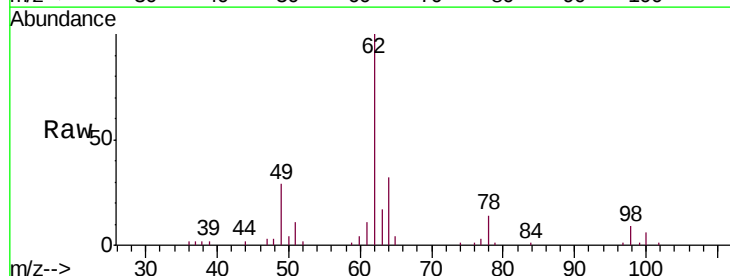
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00580

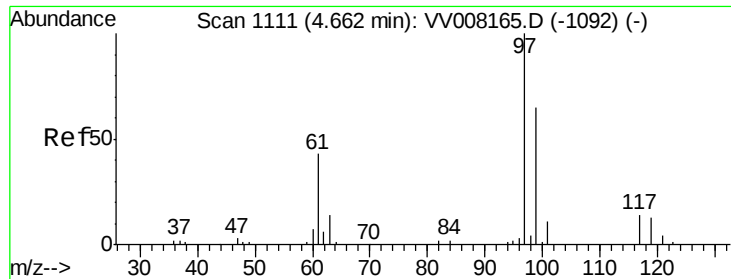
Tgt Ion: 83 Resp: 60125
 Ion Ratio Lower Upper
 83 100
 85 63.3 44.6 82.8



#27
 1,2-Dichloroethane
 Concen: 5.376 ug/L
 RT: 5.19 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VV008189.D
 Acq: 09 Oct 2018 08:03

Tgt Ion: 62 Resp: 34557
 Ion Ratio Lower Upper
 62 100
 98 8.7 7.3 10.9

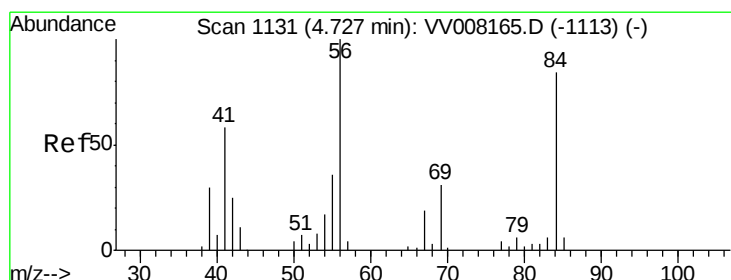
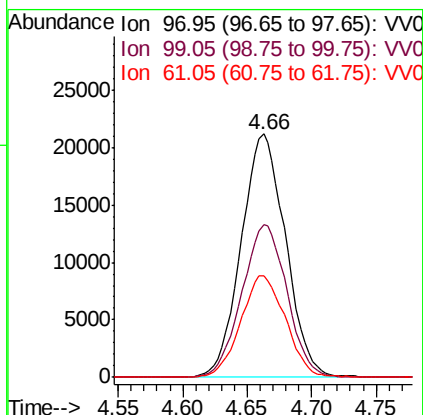
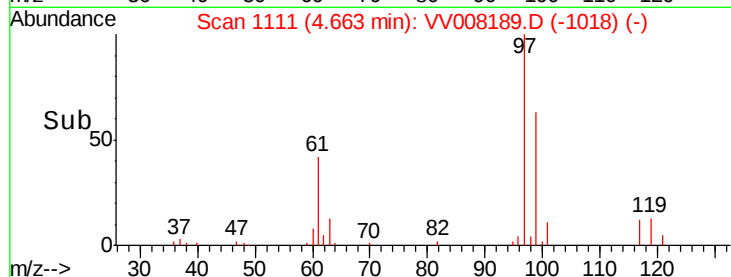
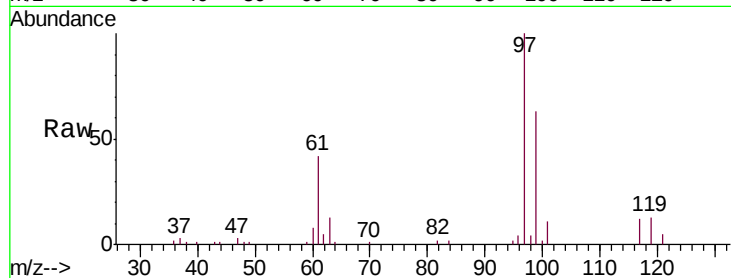




#29
 1,1,1-Trichloroethane
 Concen: 5.173 ug/L
 RT: 4.66 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VV008189.D
 Acq: 09 Oct 2018 08:03

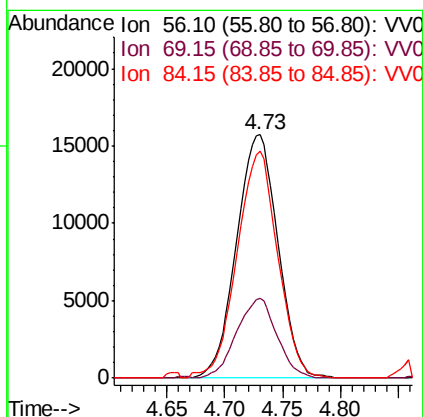
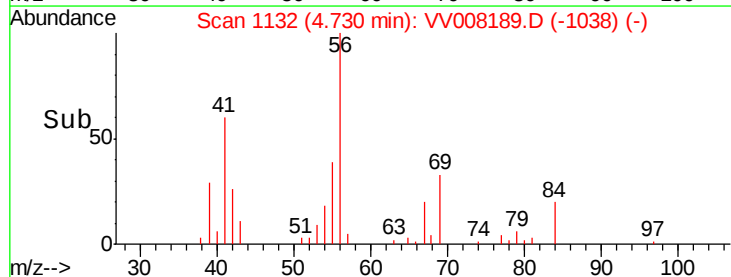
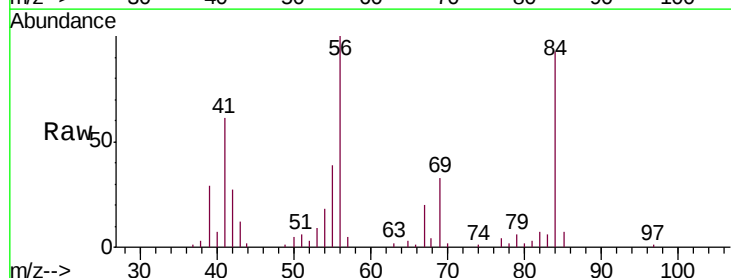
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00580

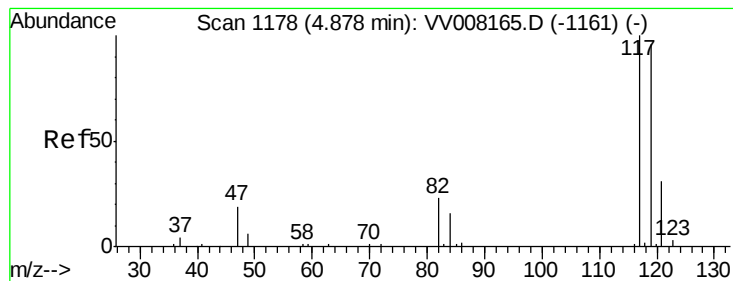
Tgt Ion: 97 Resp: 50738
 Ion Ratio Lower Upper
 97 100
 99 63.6 51.0 76.4
 61 42.2 34.0 51.0



#30
 Cyclohexane
 Concen: 4.803 ug/L
 RT: 4.73 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VV008189.D
 Acq: 09 Oct 2018 08:03

Tgt Ion: 56 Resp: 39125
 Ion Ratio Lower Upper
 56 100
 69 31.9 24.6 36.8
 84 91.6 70.7 106.1





#31

Carbon tetrachloride

Concen: 5.097 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV008189.D

Acq: 09 Oct 2018 08:03

Instrument :

MSVOA_V

ClientSampleId :

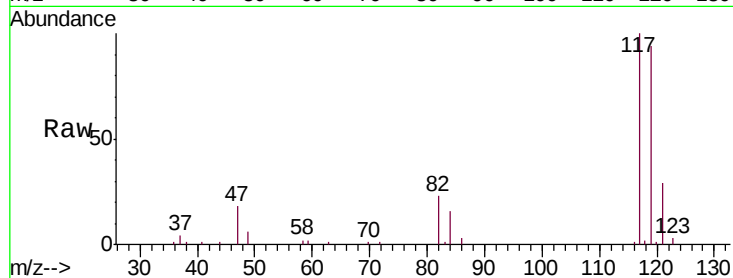
VSTD00580

Tgt Ion:117 Resp: 44919

Ion Ratio Lower Upper

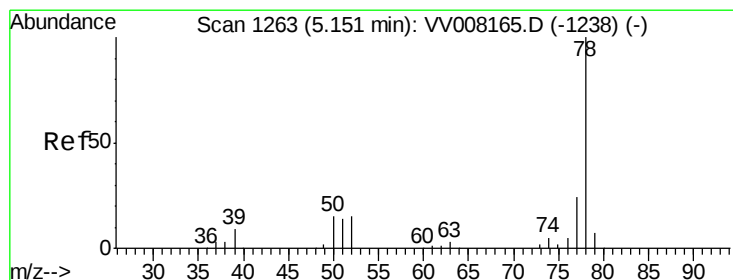
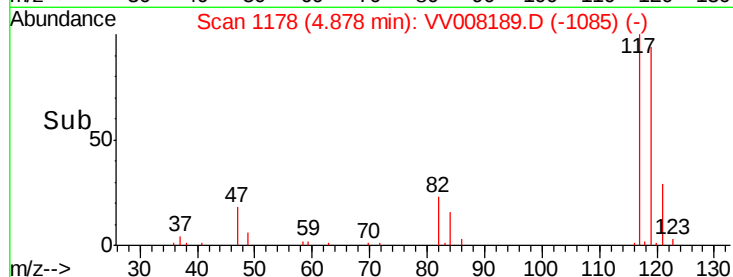
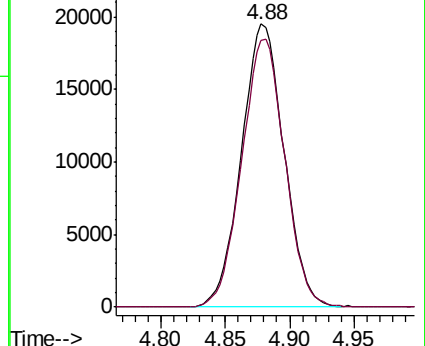
117 100

119 95.6 76.3 114.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.386 ug/L

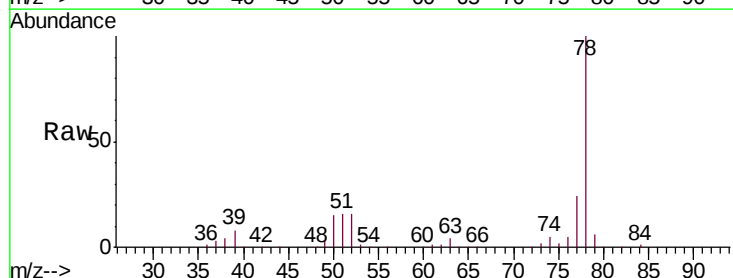
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

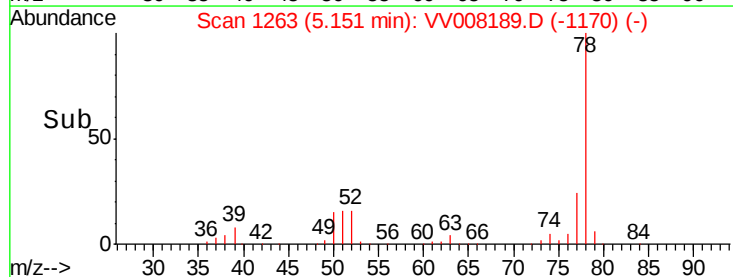
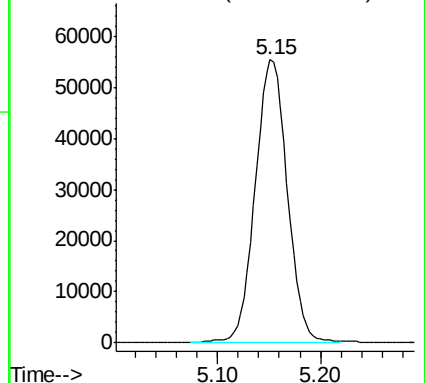
Lab File: VV008189.D

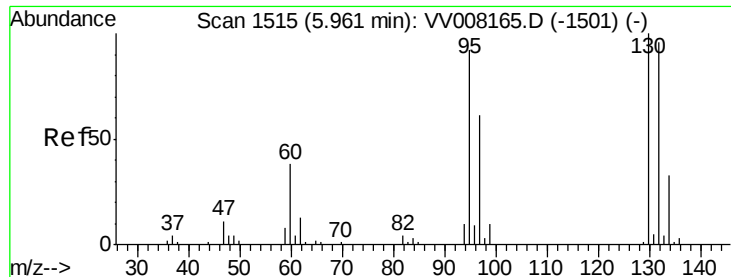
Acq: 09 Oct 2018 08:03

Tgt Ion: 78 Resp: 120033



Abundance Ion 78.10 (77.80 to 78.80): VV0

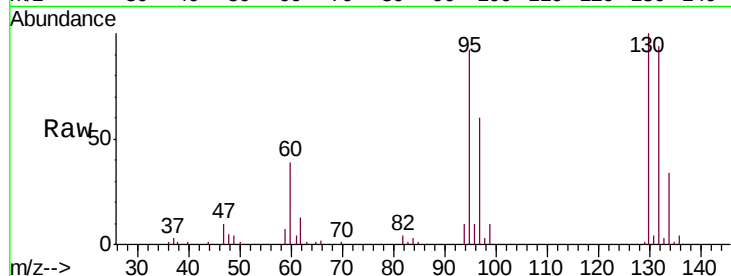




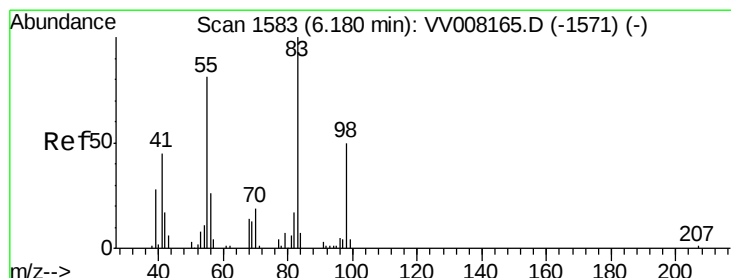
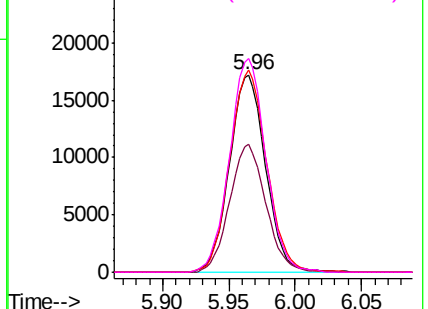
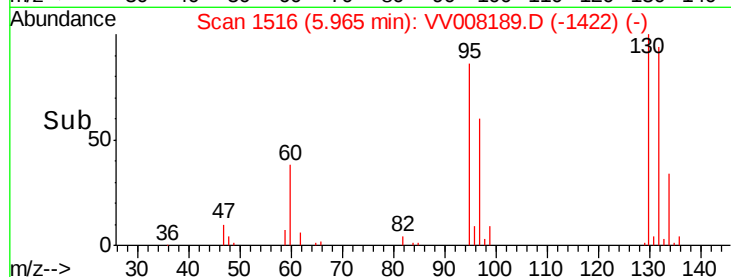
#34
 Trichloroethene
 Concen: 4.995 ug/L
 RT: 5.96 min Scan# 1516
 Delta R.T. 0.00 min
 Lab File: VV008189.D
 Acq: 09 Oct 2018 08:03

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00580

Tgt Ion: 95 Resp: 32484
 Ion Ratio Lower Upper
 95 100
 97 64.7 44.9 83.5
 132 102.2 73.6 136.6
 130 108.2 76.2 141.6

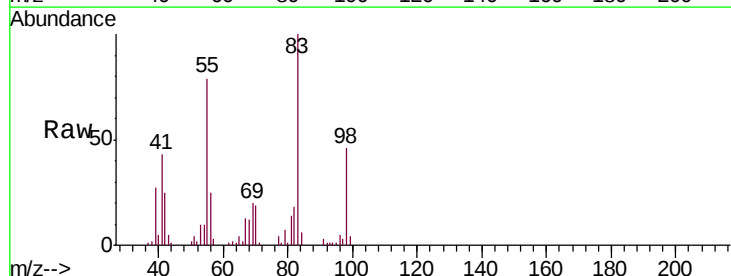


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

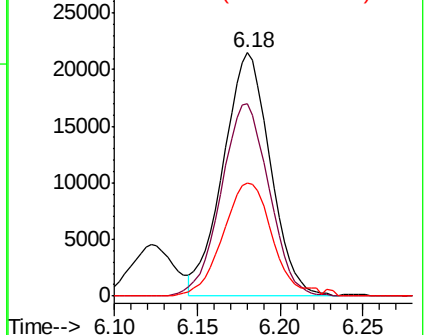
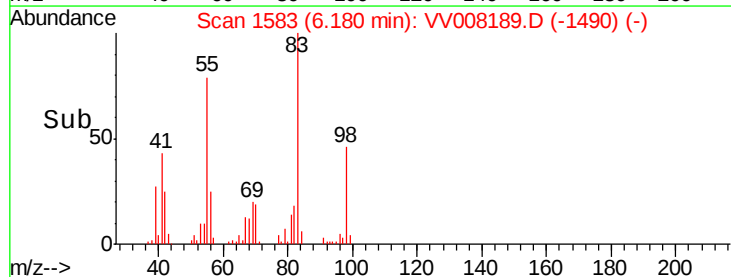


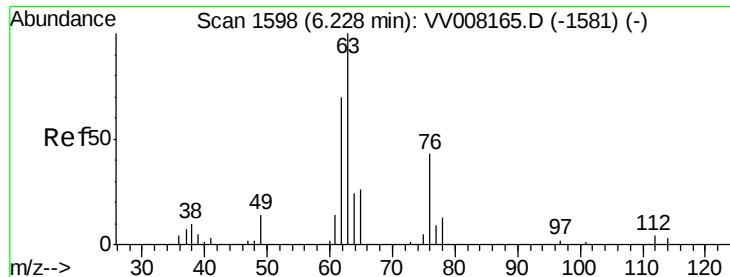
#35
 Methylcyclohexane
 Concen: 4.674 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VV008189.D
 Acq: 09 Oct 2018 08:03

Tgt Ion: 83 Resp: 42461
 Ion Ratio Lower Upper
 83 100
 55 80.4 63.6 95.4
 98 48.7 38.3 57.5



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0

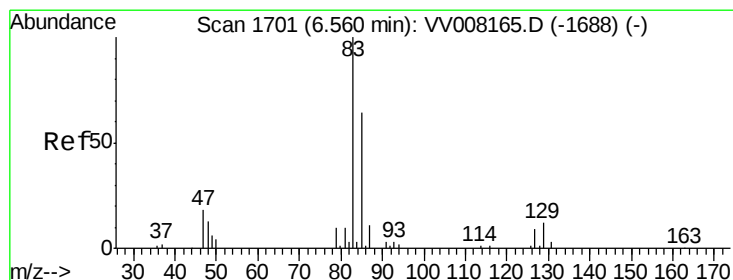
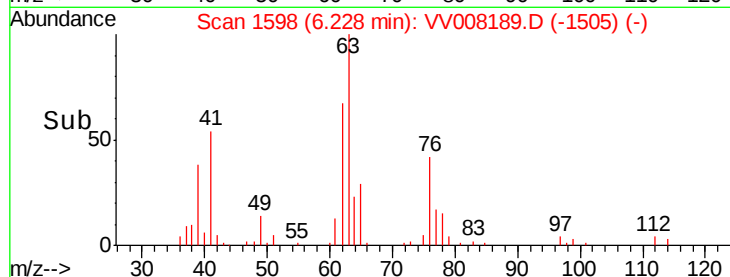
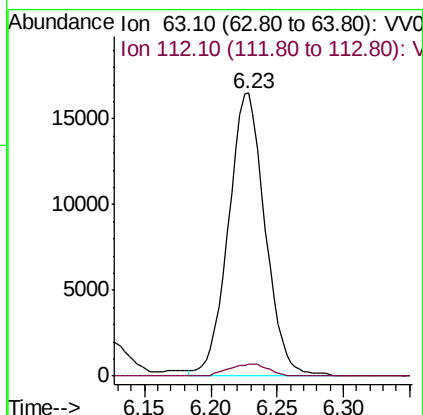
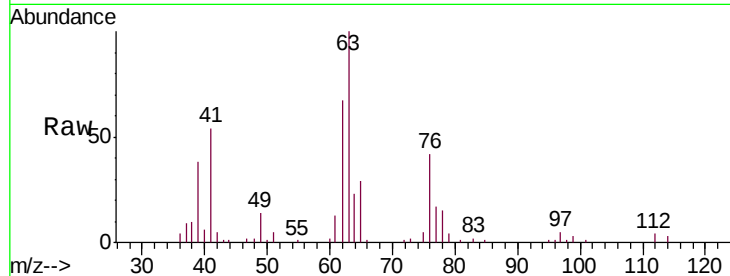




#37
 1,2-Dichloropropane
 Concen: 5.279 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VV008189.D
 Acq: 09 Oct 2018 08:03

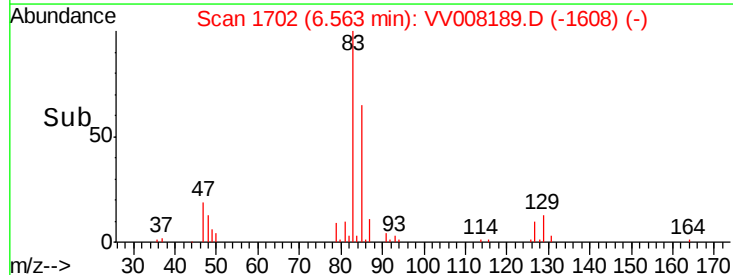
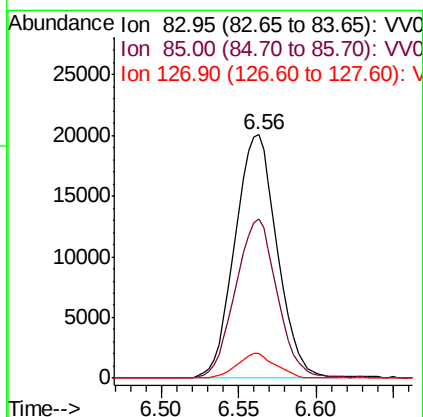
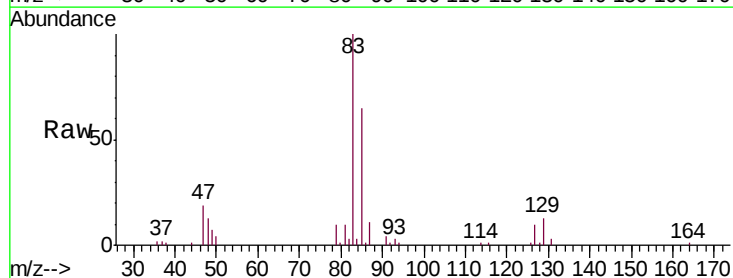
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00580

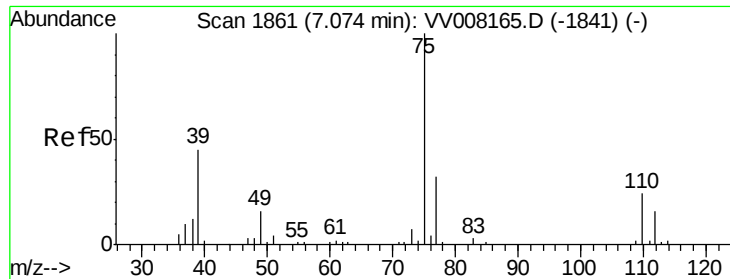
Tgt Ion: 63 Resp: 31743
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.4 5.2



#38
 Bromodichloromethane
 Concen: 5.166 ug/L
 RT: 6.56 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VV008189.D
 Acq: 09 Oct 2018 08:03

Tgt Ion: 83 Resp: 38001
 Ion Ratio Lower Upper
 83 100
 85 65.1 42.5 78.9
 127 10.1 7.7 11.5

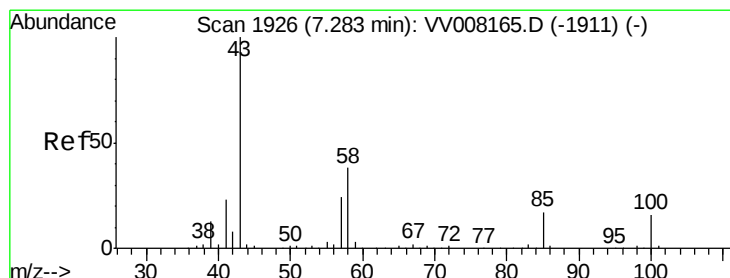
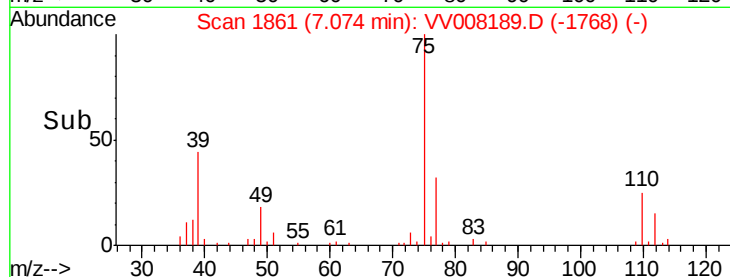
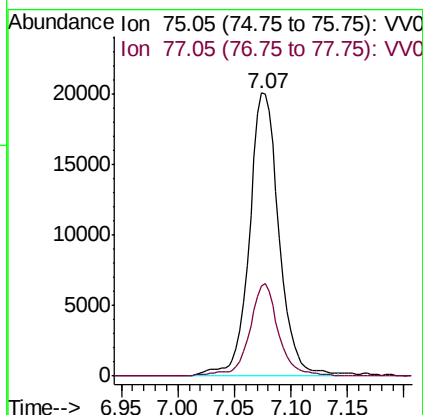
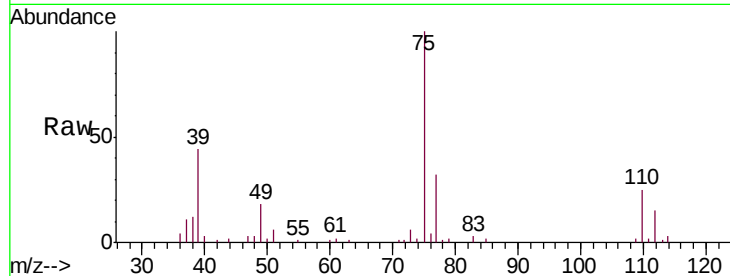




#39
 cis-1,3-Dichloropropene
 Concen: 4.751 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008189.D
 Acq: 09 Oct 2018 08:03

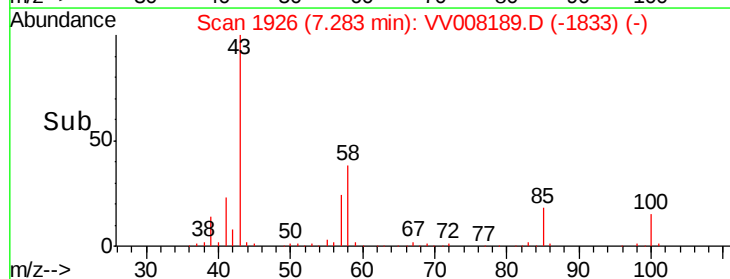
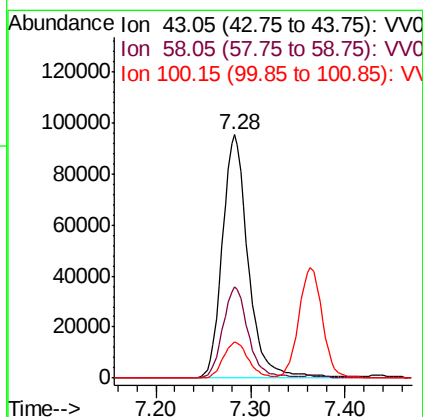
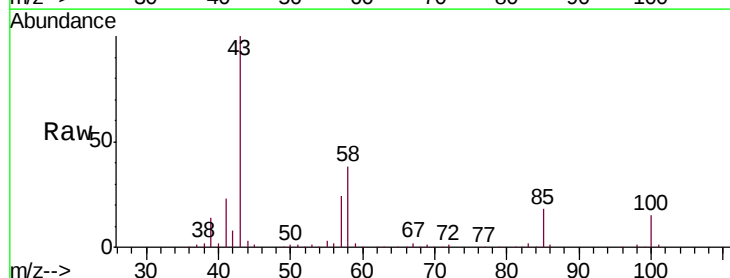
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00580

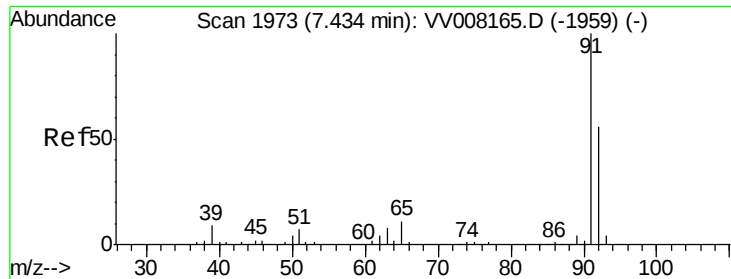
Tgt Ion: 75 Resp: 36635
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 53.012 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.00 min
 Lab File: VV008189.D
 Acq: 09 Oct 2018 08:03

Tgt Ion: 43 Resp: 180643
 Ion Ratio Lower Upper
 43 100
 58 37.0 29.8 44.8
 100 14.5 11.6 17.4





#42

Toluene

Concen: 5.505 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008189.D

Acq: 09 Oct 2018 08:03

Instrument :

MSVOA_V

ClientSampleId :

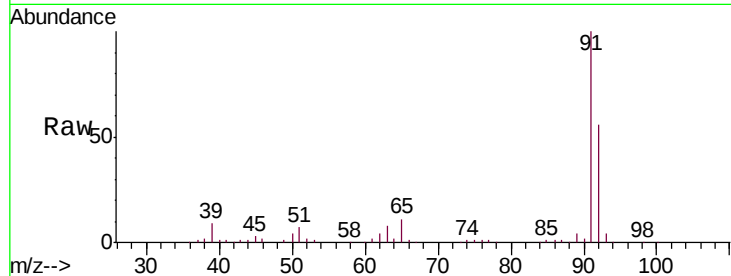
VSTD00580

Tgt Ion: 91 Resp: 130318

Ion Ratio Lower Upper

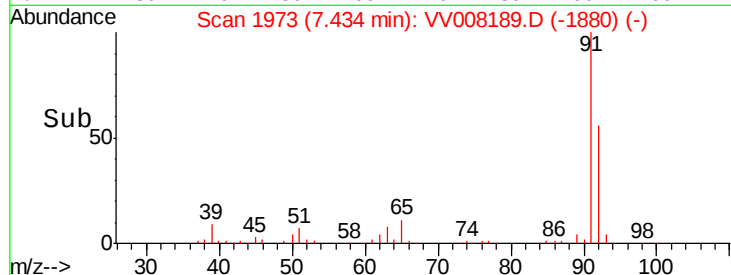
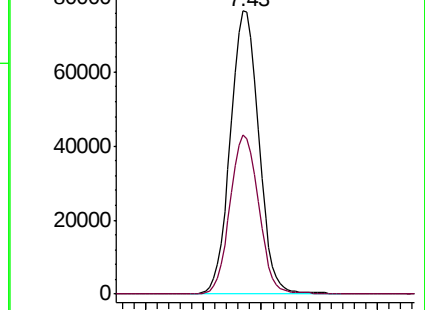
91 100

92 56.0 39.9 74.1

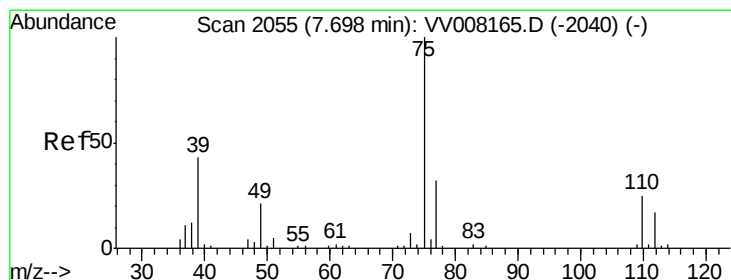


Abundance Ion 91.15 (90.85 to 91.85): VV008165.D (-1959) (-)

Ion 92.15 (91.85 to 92.85): VV008189.D (-1880) (-)



Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.799 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008189.D

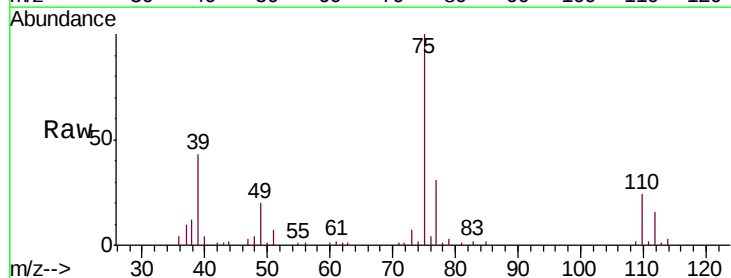
Acq: 09 Oct 2018 08:03

Tgt Ion: 75 Resp: 30091

Ion Ratio Lower Upper

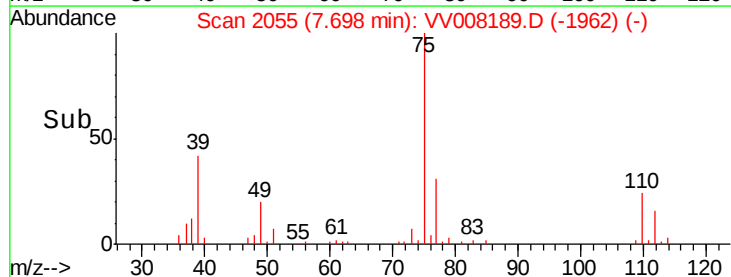
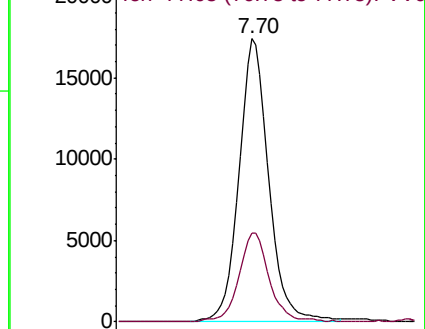
75 100

77 31.4 23.4 43.6

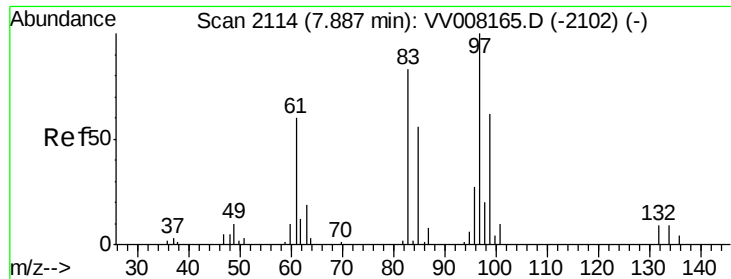


Abundance Ion 75.05 (74.75 to 75.75): VV008165.D (-2040) (-)

Ion 77.05 (76.75 to 77.75): VV008189.D (-1962) (-)



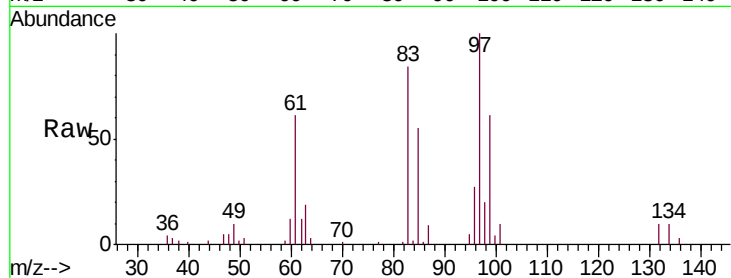
Time-->



#45
 1,1,2-Trichloroethane
 Concen: 5.407 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV008189.D
 Acq: 09 Oct 2018 08:03

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00580

Tgt Ion:	97	Resp:	22803
Ion	Ratio	Lower	Upper
97	100		
99	61.0	42.6	79.0
83	83.6	57.5	106.7
85	55.3	36.5	67.7



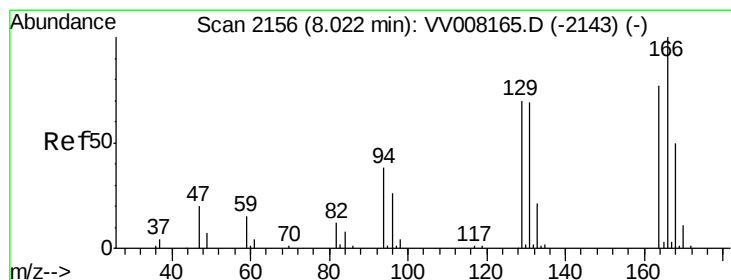
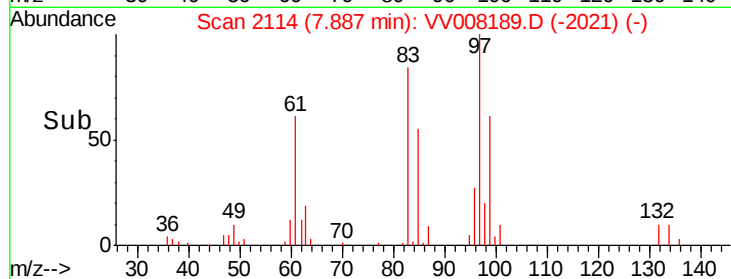
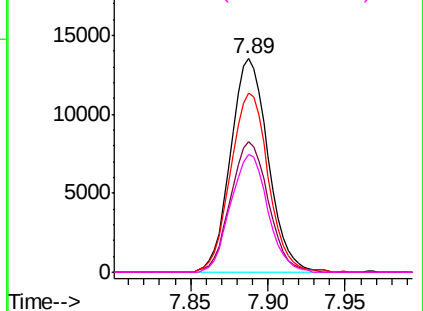
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

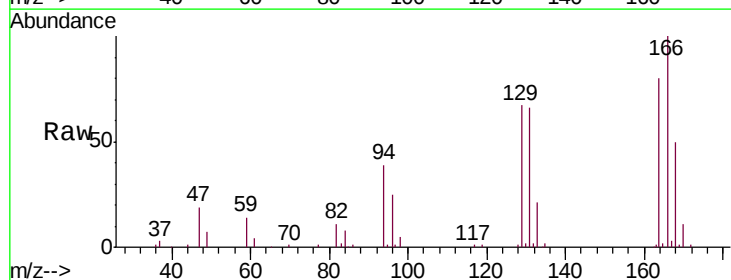
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 5.099 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV008189.D
 Acq: 09 Oct 2018 08:03

Tgt Ion:	164	Resp:	29614
Ion	Ratio	Lower	Upper
164	100		
129	83.6	62.2	115.4
131	81.8	60.5	112.5
166	124.4	92.1	171.1



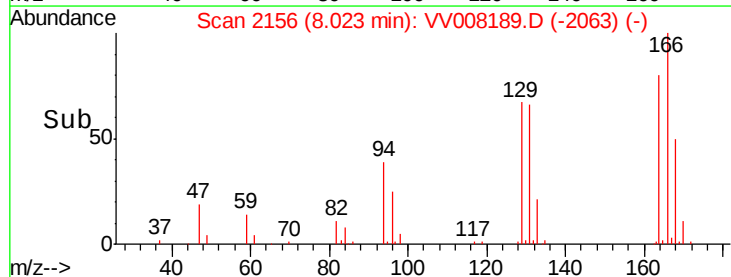
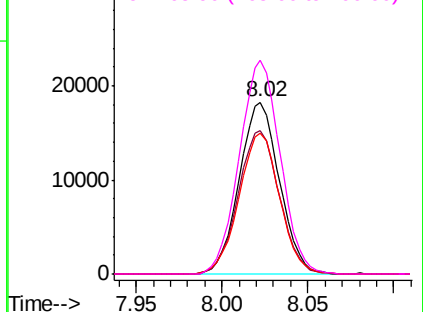
Abundance

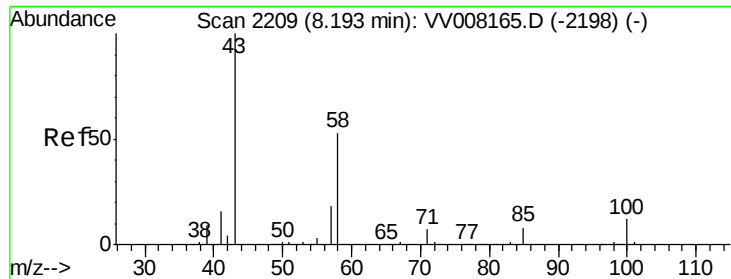
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

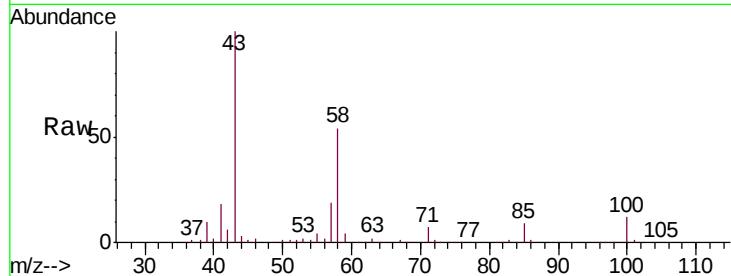




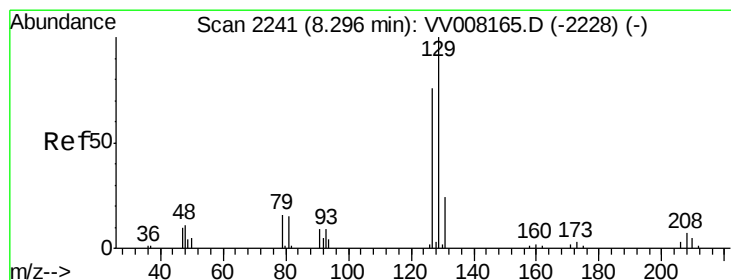
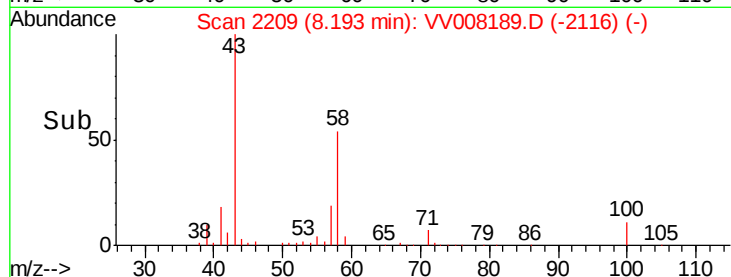
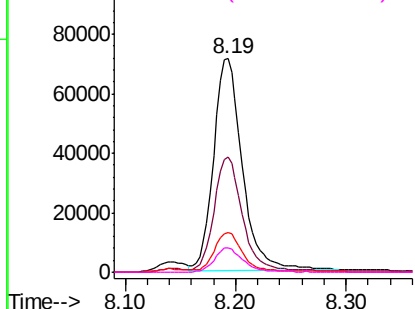
#48
2-Hexanone
Concen: 55.894 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VV008189.D
Acq: 09 Oct 2018 08:03

Instrument :
MSVOA_V
ClientSampleId :
VSTD00580

Tgt Ion: 43 Resp: 129302
Ion Ratio Lower Upper
43 100
58 53.3 40.5 60.7
57 18.2 14.6 22.0
100 11.1 9.3 13.9

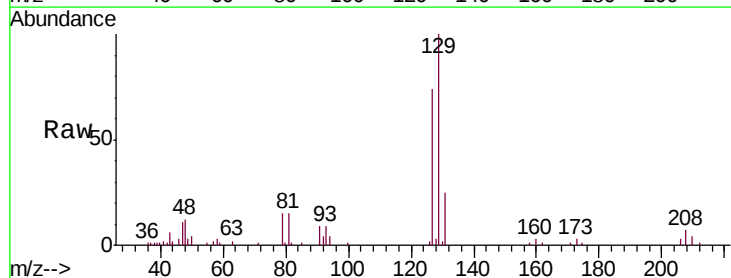


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

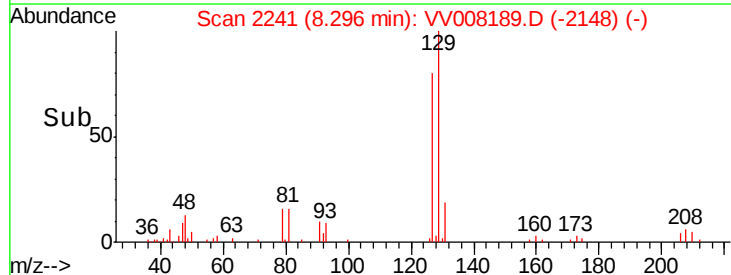
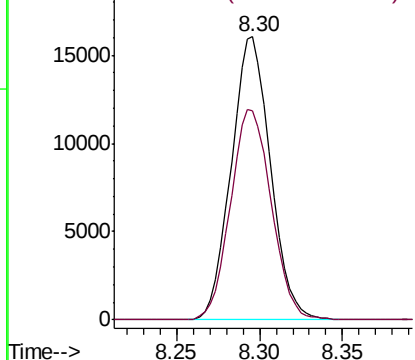


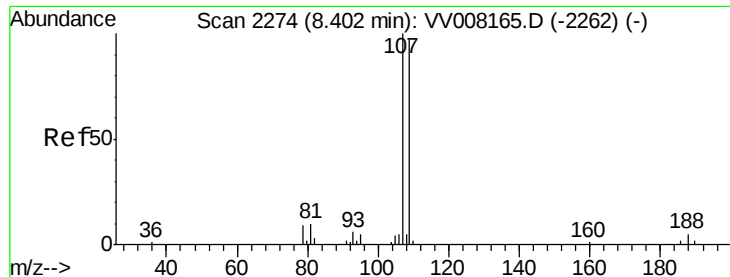
#49
Dibromochloromethane
Concen: 5.012 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV008189.D
Acq: 09 Oct 2018 08:03

Tgt Ion: 129 Resp: 26372
Ion Ratio Lower Upper
129 100
127 73.9 54.5 101.3



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

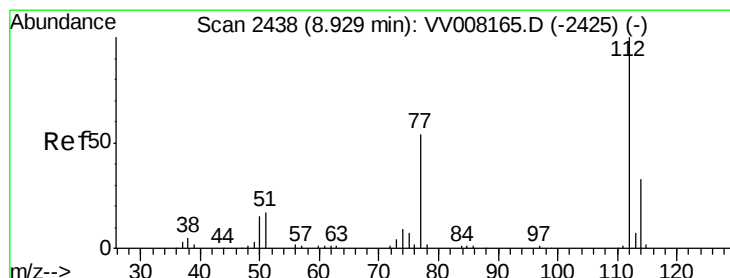
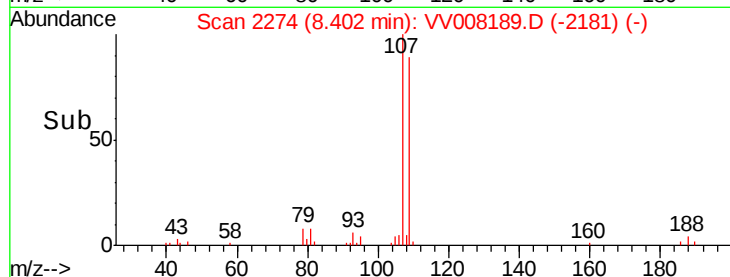
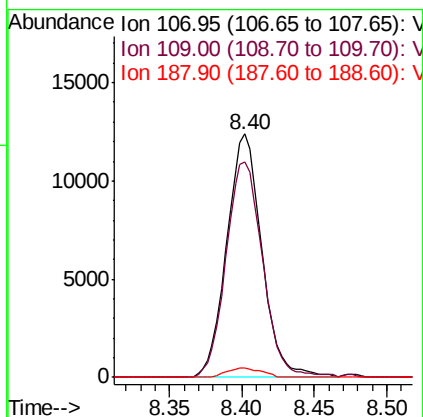
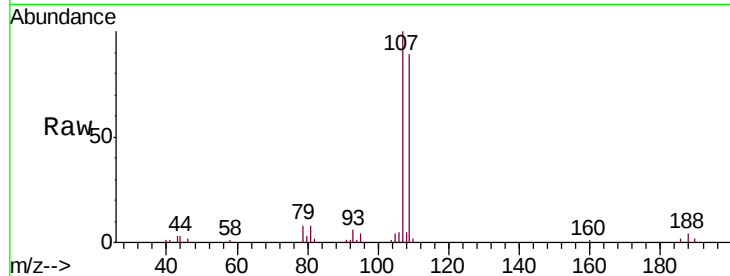




#50
1,2-Dibromoethane
Concen: 5.436 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VV008189.D
Acq: 09 Oct 2018 08:03

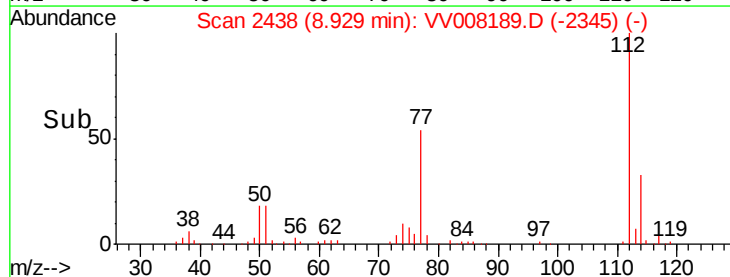
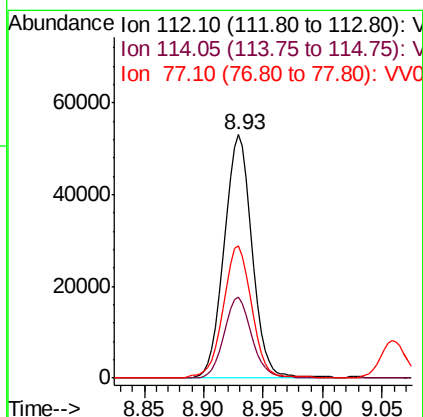
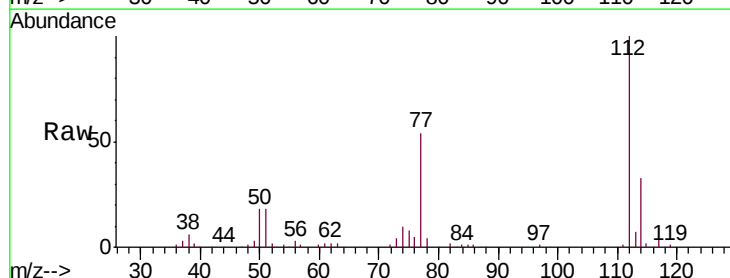
Instrument :
MSVOA_V
ClientSampleId :
VSTD00580

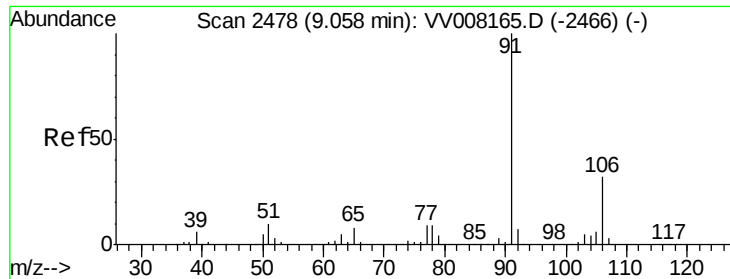
Tgt Ion:107 Resp: 20815
Ion Ratio Lower Upper
107 100
109 88.7 65.5 121.6
188 3.7 3.5 5.3



#51
Chlorobenzene
Concen: 5.223 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV008189.D
Acq: 09 Oct 2018 08:03

Tgt Ion:112 Resp: 86481
Ion Ratio Lower Upper
112 100
114 33.1 22.8 42.4
77 54.3 44.6 66.8





#52

Ethylbenzene

Concen: 5.238 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008189.D

Acq: 09 Oct 2018 08:03

Instrument :

MSVOA_V

ClientSampleId :

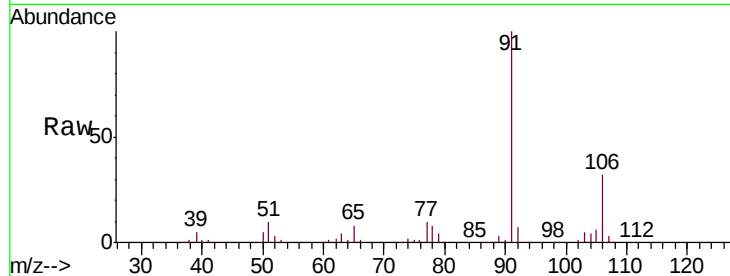
VSTD00580

Tgt Ion: 91 Resp: 135325

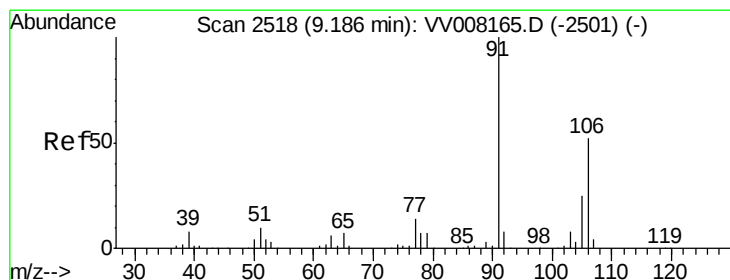
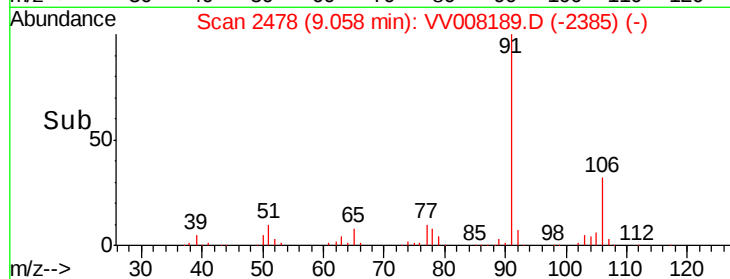
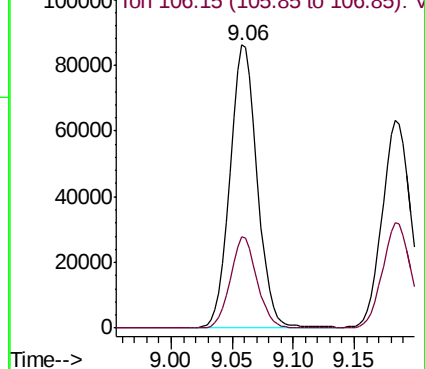
Ion Ratio Lower Upper

91 100

106 32.3 22.3 41.5



Abundance Ion 91.15 (90.85 to 91.85): VV008189.D (-2385) (-)



#53

m,p-xylene

Concen: 5.335 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV008189.D

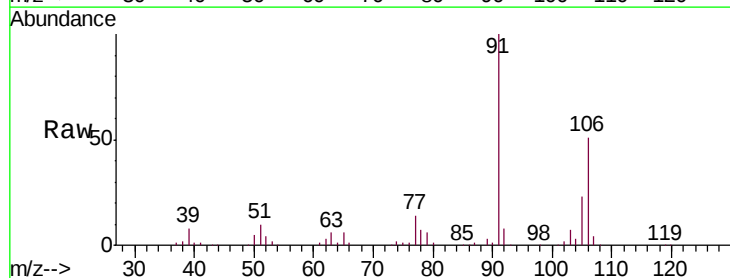
Acq: 09 Oct 2018 08:03

Tgt Ion: 106 Resp: 52255

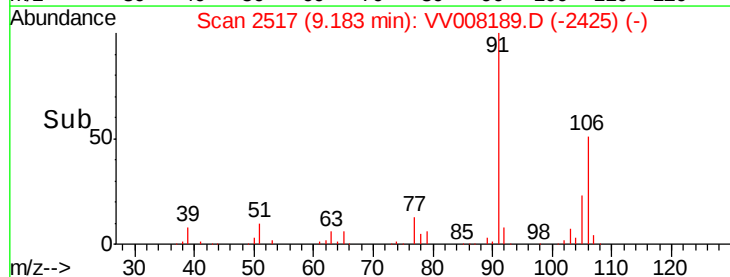
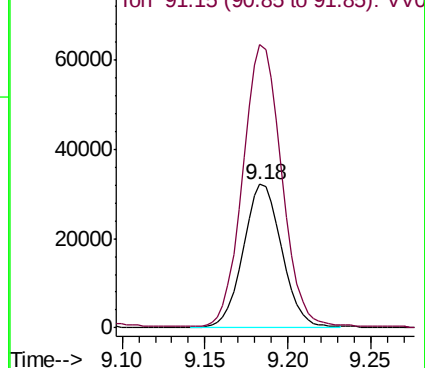
Ion Ratio Lower Upper

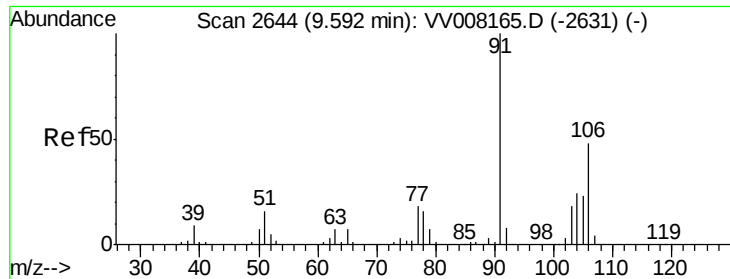
106 100

91 197.1 140.8 261.4



Abundance Ion 106.15 (105.85 to 106.85): VV008189.D (-2425) (-)





#54

o-xylene

Concen: 5.441 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV008189.D

Acq: 09 Oct 2018 08:03

Instrument :

MSVOA_V

ClientSampleId :

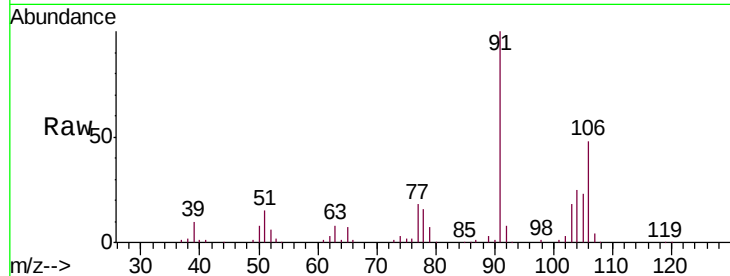
VSTD00580

Tgt Ion:106 Resp: 50885

Ion Ratio Lower Upper

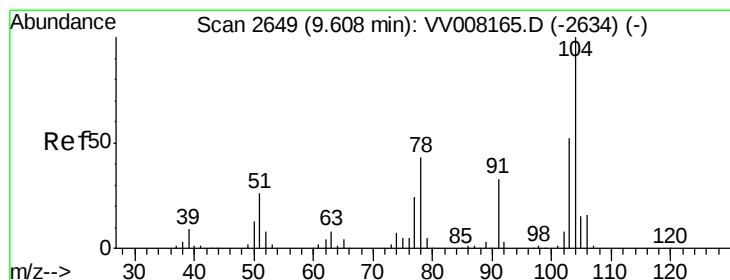
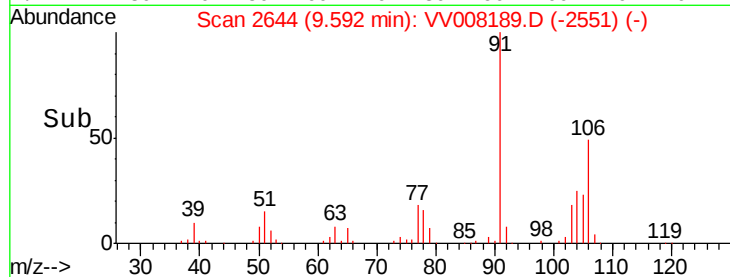
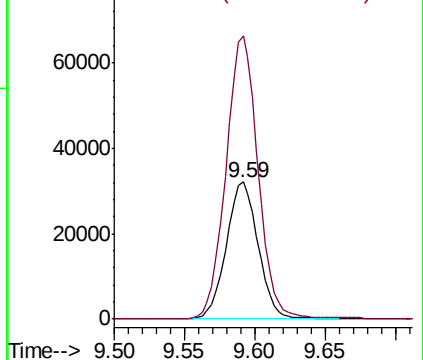
106 100

91 206.8 149.1 276.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.547 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV008189.D

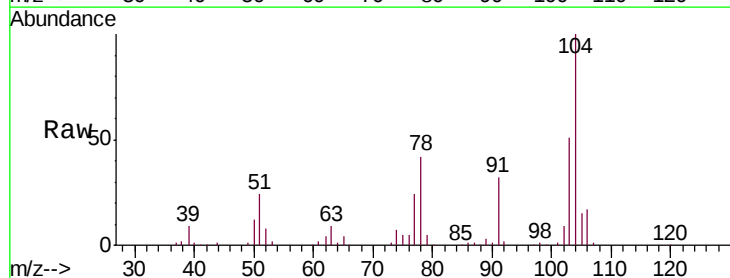
Acq: 09 Oct 2018 08:03

Tgt Ion:104 Resp: 88347

Ion Ratio Lower Upper

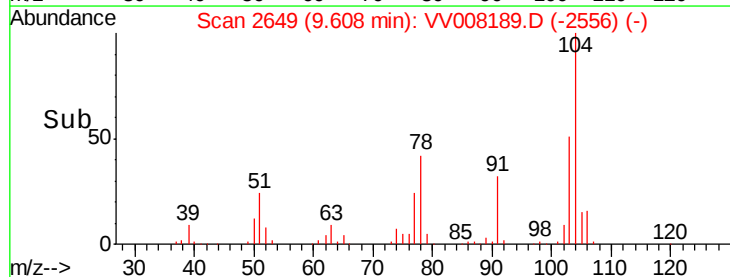
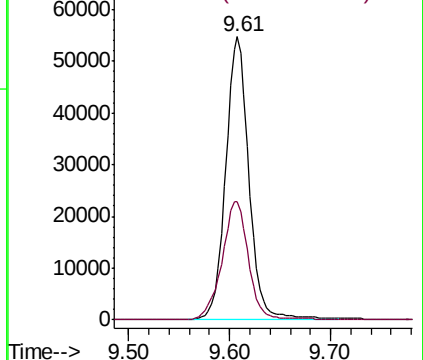
104 100

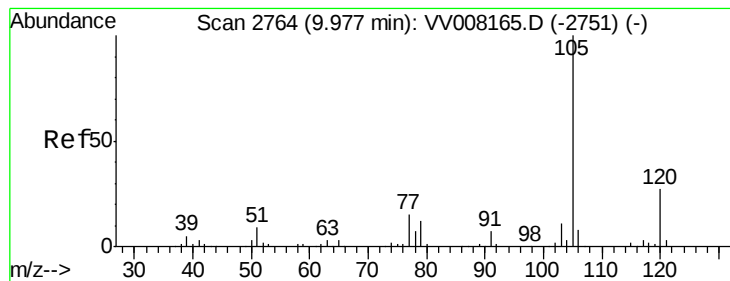
78 41.8 29.5 54.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.289 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008189.D

Acq: 09 Oct 2018 08:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD00580

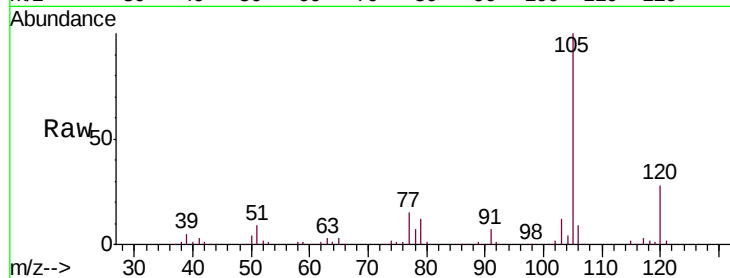
Tgt Ion: 105 Resp: 136041

Ion Ratio Lower Upper

105 100

120 27.4 21.9 32.9

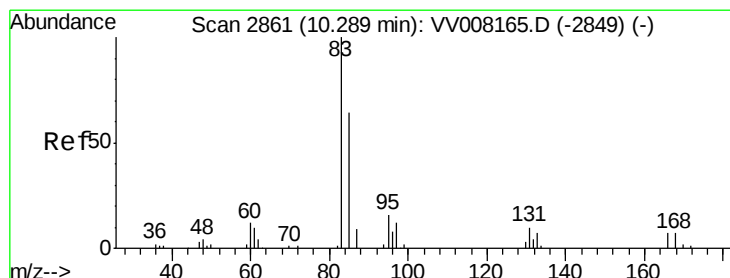
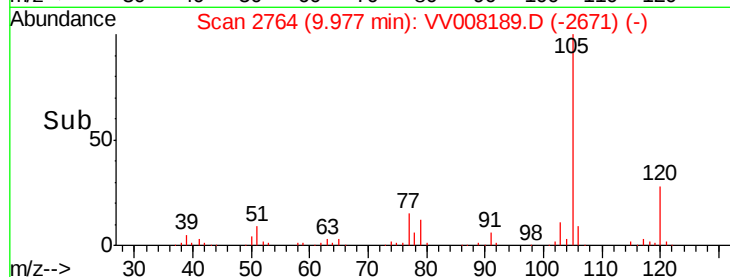
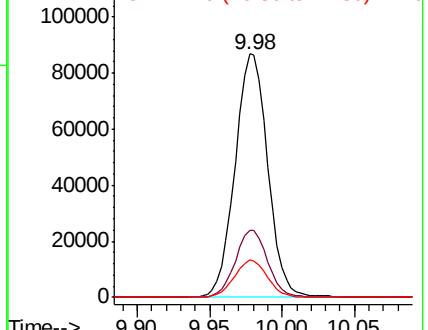
77 15.4 12.2 18.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.274 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008189.D

Acq: 09 Oct 2018 08:03

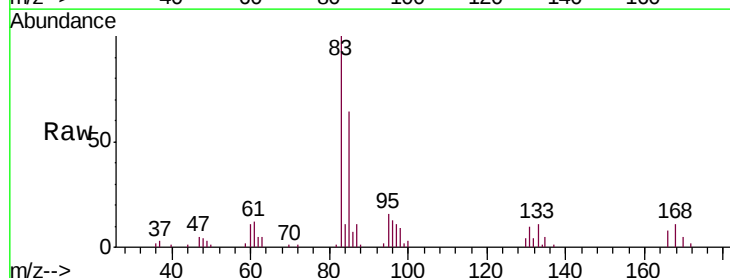
Tgt Ion: 83 Resp: 25787

Ion Ratio Lower Upper

83 100

85 63.6 45.1 83.7

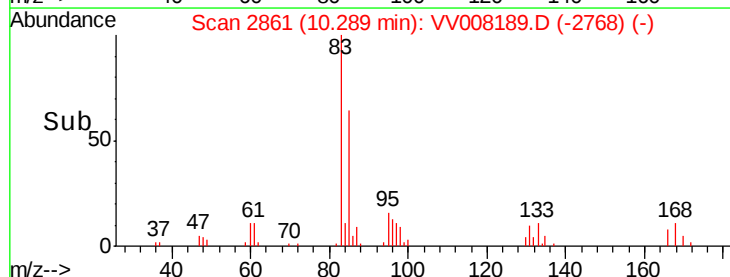
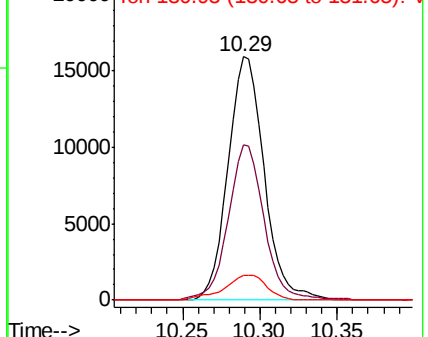
131 10.0 8.8 13.2

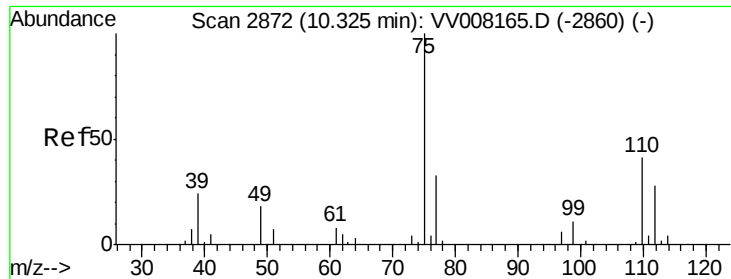


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

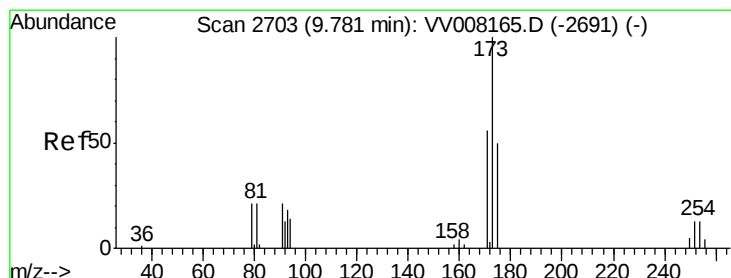
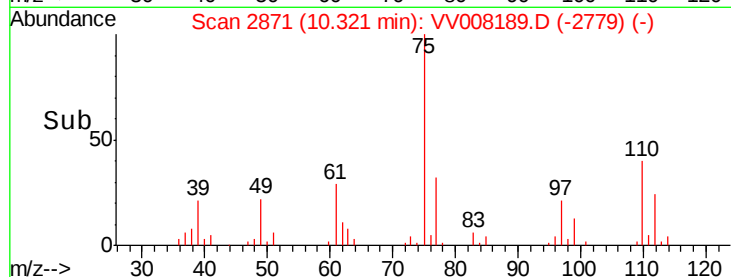
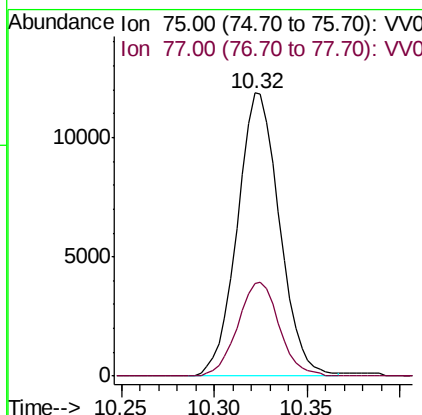
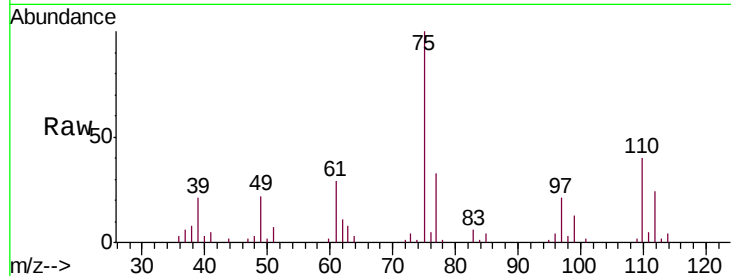




#59
 1,2,3-Trichloropropane
 Concen: 5.364 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV008189.D
 Acq: 09 Oct 2018 08:03

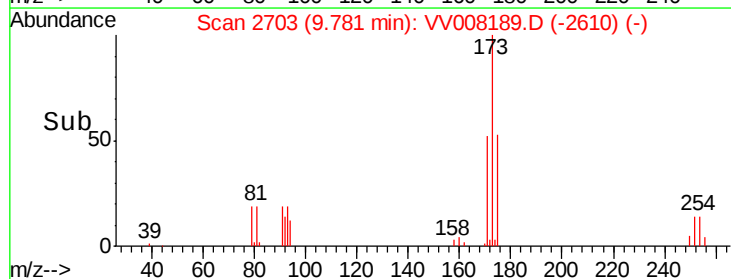
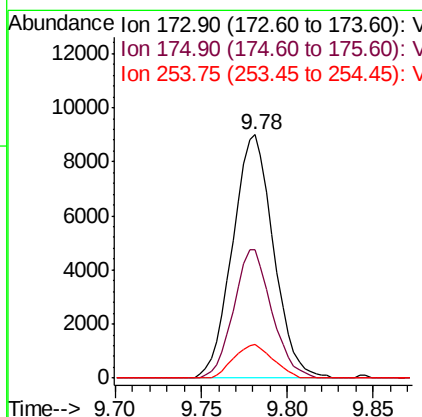
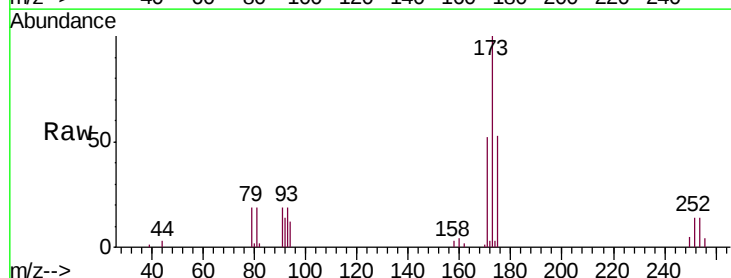
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00580

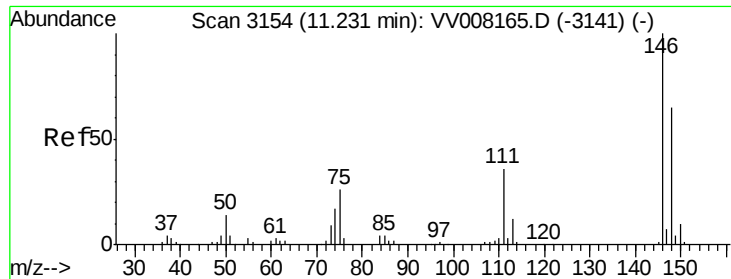
Tgt Ion: 75 Resp: 18830
 Ion Ratio Lower Upper
 75 100
 77 32.6 27.8 41.6



#61
 Bromoform
 Concen: 5.352 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. 0.00 min
 Lab File: VV008189.D
 Acq: 09 Oct 2018 08:03

Tgt Ion: 173 Resp: 14866
 Ion Ratio Lower Upper
 173 100
 175 49.1 39.8 59.8
 254 13.1 9.4 14.0

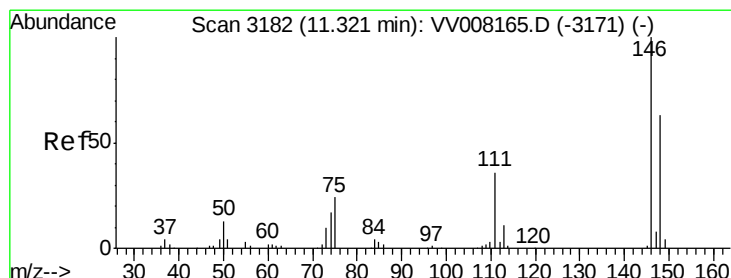
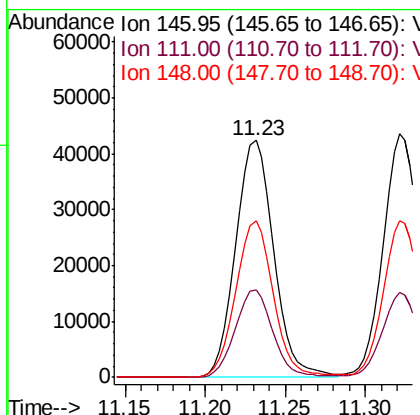
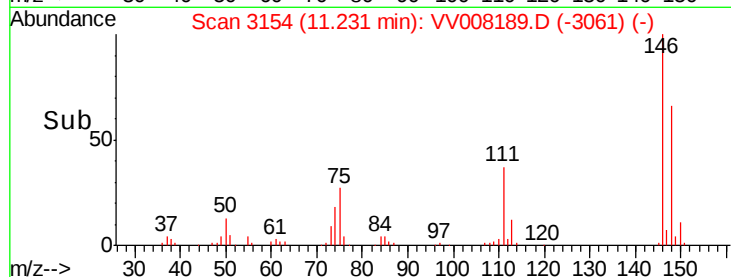
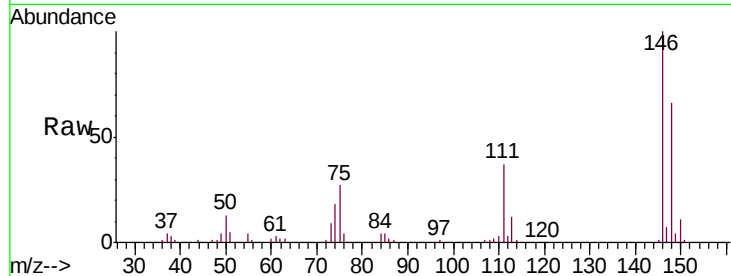




#62
 1,3-Dichlorobenzene
 Concen: 5.124 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VV008189.D
 Acq: 09 Oct 2018 08:03

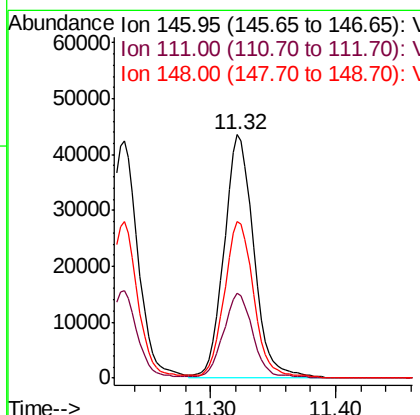
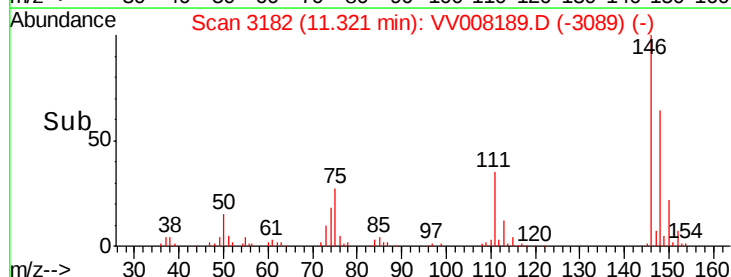
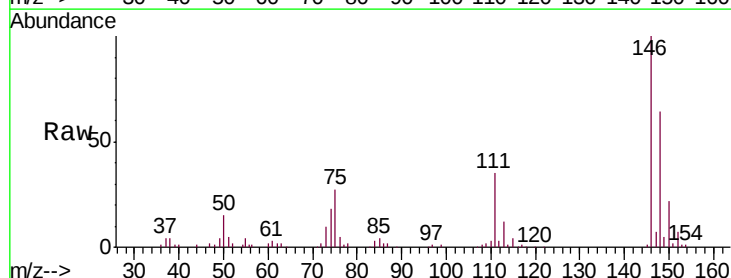
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00580

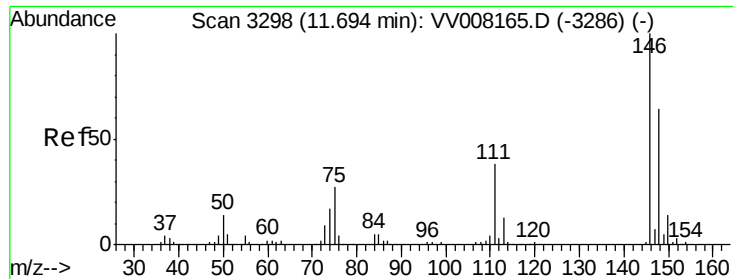
Tgt Ion:146 Resp: 68810
 Ion Ratio Lower Upper
 146 100
 111 36.9 25.8 48.0
 148 65.9 44.4 82.4



#63
 1,4-Dichlorobenzene
 Concen: 5.258 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV008189.D
 Acq: 09 Oct 2018 08:03

Tgt Ion:146 Resp: 71986
 Ion Ratio Lower Upper
 146 100
 111 34.8 24.2 45.0
 148 64.2 44.0 81.6





#65

1,2-Dichlorobenzene

Concen: 5.389 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008189.D

Acq: 09 Oct 2018 08:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD00580

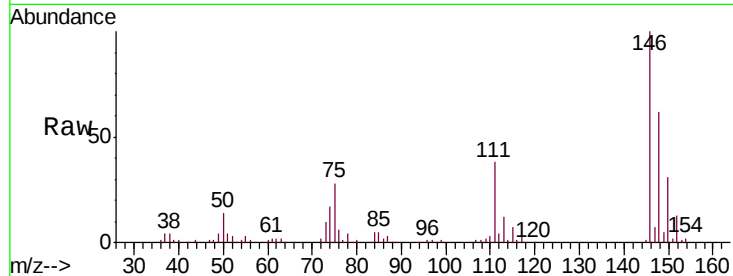
Tgt Ion:146 Resp: 69924

Ion Ratio Lower Upper

146 100

111 37.9 31.8 47.6

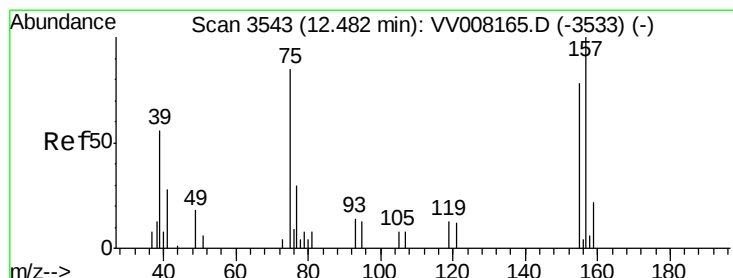
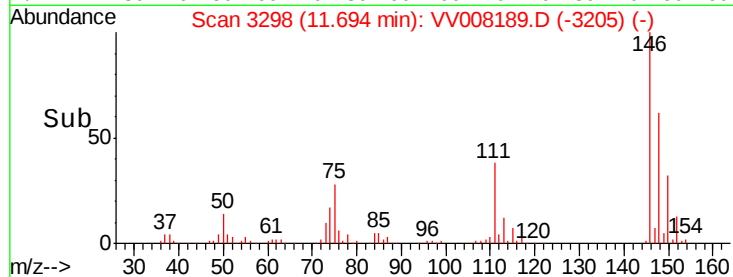
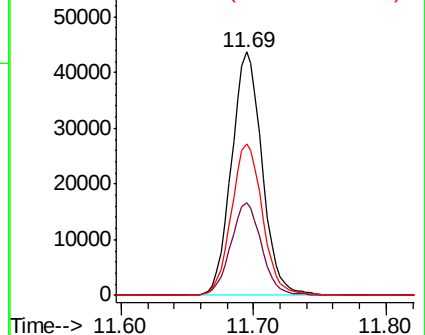
148 62.1 52.2 78.2



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: 4.777 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. 0.00 min

Lab File: VV008189.D

Acq: 09 Oct 2018 08:03

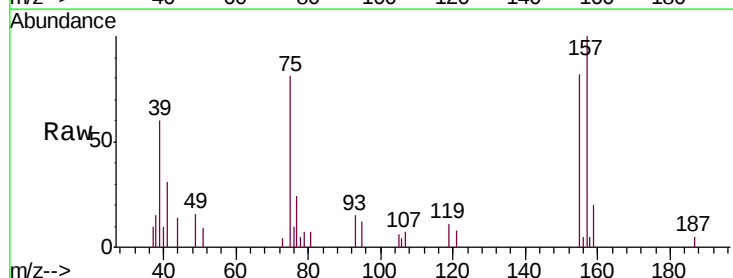
Tgt Ion: 75 Resp: 3237

Ion Ratio Lower Upper

75 100

155 100.6 74.7 112.1

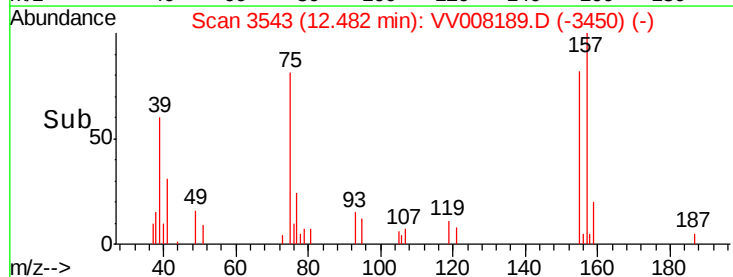
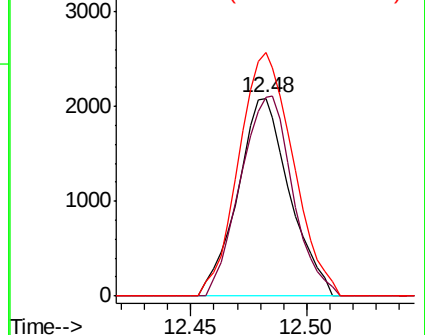
157 123.1 93.1 139.7

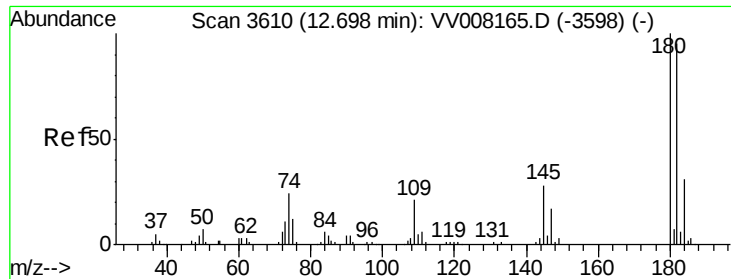


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

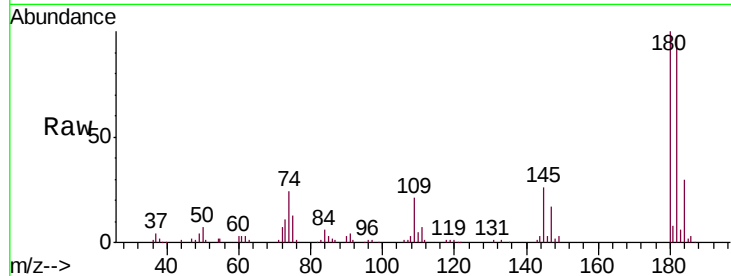




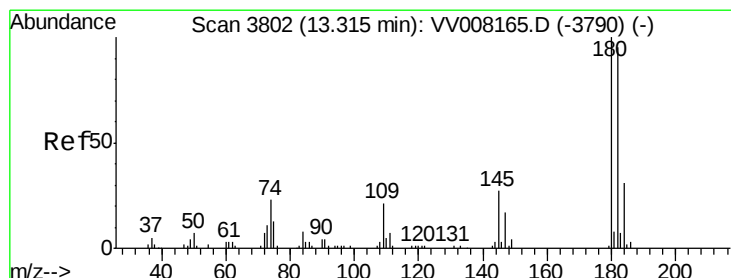
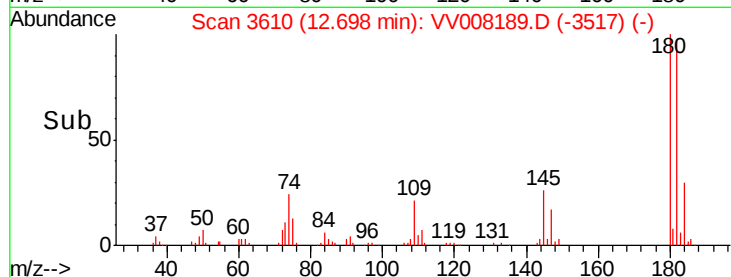
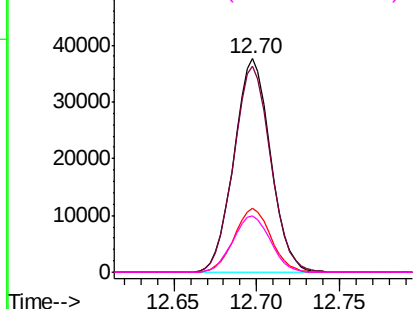
#67
 1,3,5-Trichlorobenzene
 Concen: 5.041 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008189.D
 Acq: 09 Oct 2018 08:03

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00580

Tgt Ion:180 Resp: 57694
 Ion Ratio Lower Upper
 180 100
 182 97.7 77.0 115.6
 184 30.0 24.2 36.2
 145 26.9 22.2 33.2

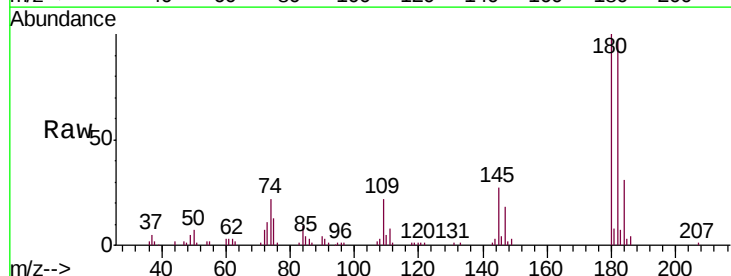


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

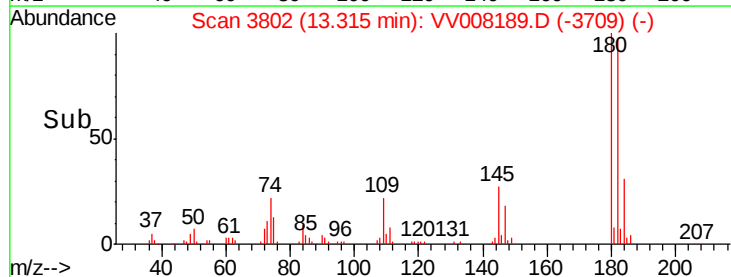
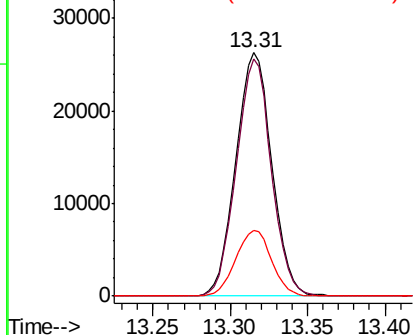


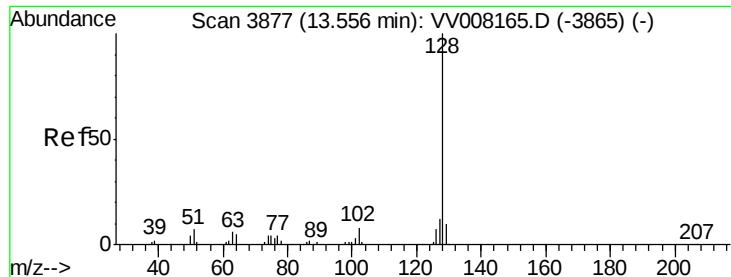
#68
 1,2,4-trichlorobenzene
 Concen: 4.969 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008189.D
 Acq: 09 Oct 2018 08:03

Tgt Ion:180 Resp: 42420
 Ion Ratio Lower Upper
 180 100
 182 94.7 76.6 114.8
 145 26.8 22.1 33.1



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: 4.455 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008189.D

Acq: 09 Oct 2018 08:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD00580

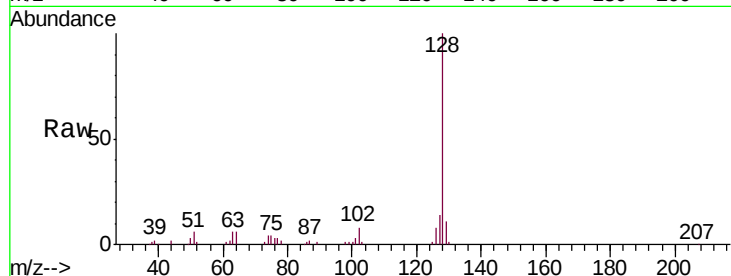
Tgt Ion:128 Resp: 48565

Ion Ratio Lower Upper

128 100

129 10.5 8.5 12.7

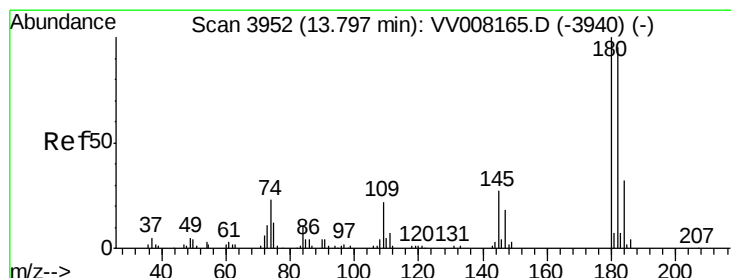
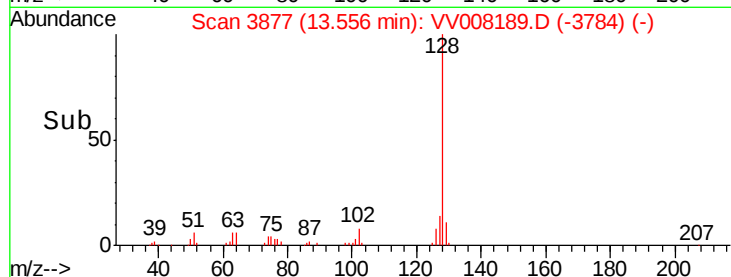
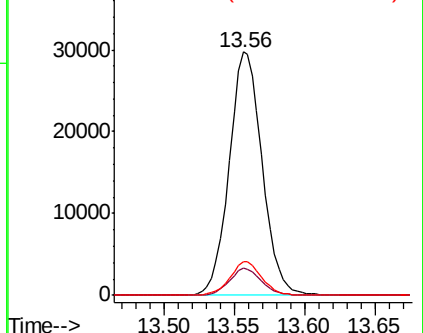
127 13.3 10.2 15.2



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: 5.100 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008189.D

Acq: 09 Oct 2018 08:03

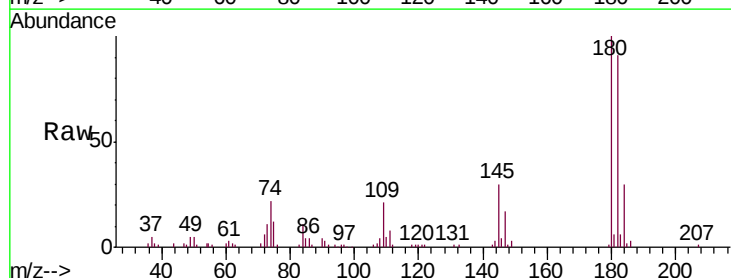
Tgt Ion:180 Resp: 41411

Ion Ratio Lower Upper

180 100

182 92.5 75.1 112.7

145 29.1 23.2 34.8



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

