

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091718\
 Data File : VV007581.D
 Acq On : 17 Sep 2018 10:02
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

Quant Time: Sep 17 10:28:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091318WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Sep 17 04:48:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	126649	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	115923	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	61068	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	26694	4.04	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.80%
7) Chloroethane-d5	1.59	69	26076	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.00%
11) 1,1-Dichloroethene-d2	2.14	63	64290	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.40%
20) 2-Butanone-d5	3.97	46	38503	41.73	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.46%
24) Chloroform-d	4.41	84	64968	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.09	65	31956	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.10	84	122221	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
36) 1,2-Dichloropropane-d6	6.12	67	36643	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.40%
41) Toluene-d8	7.36	98	127644	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
43) trans-1,3-Dichloropropene-	7.67	79	16247	4.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.60%
46) 2-Hexanone-d5	8.15	63	25579	44.17	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.34%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	25416	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	55629	4.98	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	34473	5.028 ug/L	98
3) Chloromethane	1.25	50	29717	4.987 ug/L	99
5) Vinyl chloride	1.33	62	35404	5.321 ug/L	97
6) Bromomethane	1.54	94	25591	5.390 ug/L	98
8) Chloroethane	1.60	64	22168	5.467 ug/L	94
9) Trichlorofluoromethane	1.78	101	69546	5.300 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.15	101	39738	5.550 ug/L	99
12) 1,1-Dichloroethene	2.15	96	35035	5.450 ug/L	93
13) Acetone	2.21	43	26697	44.298 ug/L	93
14) Carbon disulfide	2.32	76	99328	5.282 ug/L	99
15) Methyl Acetate	2.47	43	7575	4.586 ug/L	99
16) Methylene chloride	2.54	84	34474	4.962 ug/L	97
17) Methyl tert-butyl Ether	2.82	73	81764	5.287 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	37888	5.418 ug/L	100
19) 1,1-Dichloroethane	3.23	63	51639	5.065 ug/L	98
21) 2-Butanone	4.05	43	44155	43.675 ug/L	96
22) cis-1,2-Dichloroethene	3.97	96	35687	5.177 ug/L	92

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 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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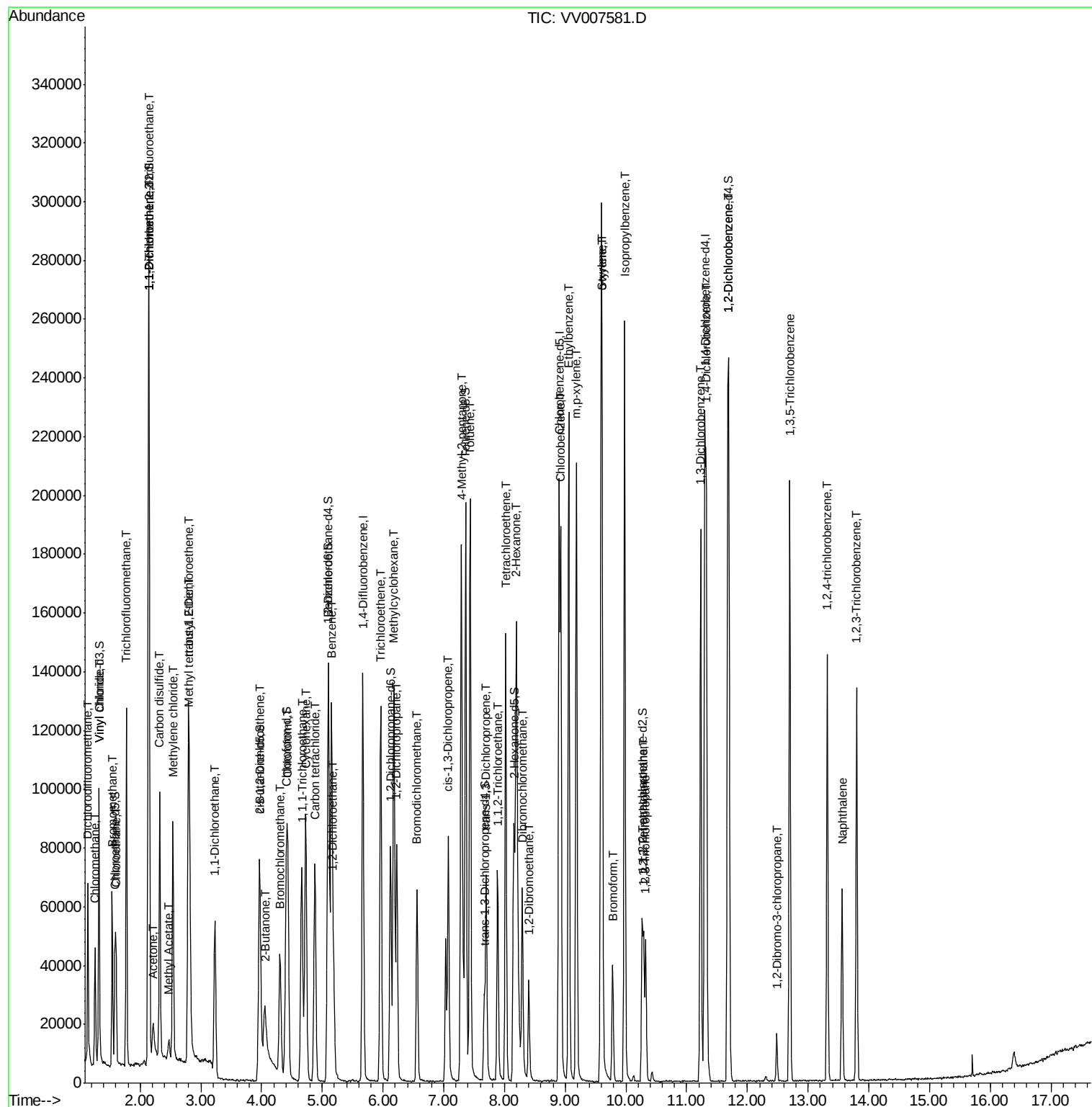
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	15465	5.118	ug/L	96
25) Chloroform	4.43	83	60367	5.181	ug/L	100
27) 1,2-Dichloroethane	5.19	62	34851	5.196	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	57696	5.118	ug/L	99
30) Cyclohexane	4.73	56	49017	4.986	ug/L	99
31) Carbon tetrachloride	4.88	117	54577	5.159	ug/L	99
33) Benzene	5.15	78	124641	5.207	ug/L	100
34) Trichloroethene	5.96	95	41086	5.596	ug/L	99
35) Methylcyclohexane	6.18	83	59674	5.263	ug/L	99
37) 1,2-Dichloropropane	6.23	63	28770	4.877	ug/L	98
38) Bromodichloromethane	6.56	83	43538	5.089	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	48518	5.173	ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	164374	50.471	ug/L	99
42) Toluene	7.43	91	144887	5.239	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	38514	4.992	ug/L	95
45) 1,1,2-Trichloroethane	7.89	97	23410	5.315	ug/L	96
47) Tetrachloroethene	8.02	164	35618	5.403	ug/L	98
48) 2-Hexanone	8.20	43	124430	50.324	ug/L	96
49) Dibromochloromethane	8.29	129	32692	5.214	ug/L	99
50) 1,2-Dibromoethane	8.40	107	22866	5.346	ug/L	98
51) Chlorobenzene	8.93	112	98205	5.280	ug/L	99
52) Ethylbenzene	9.06	91	161933	5.198	ug/L	97
53) m,p-xylene	9.18	106	63341	5.248	ug/L	99
54) o-xylene	9.59	106	62429	5.282	ug/L	99
55) Styrene	9.61	104	101473	5.271	ug/L	96
56) Isopropylbenzene	9.98	105	172580	5.378	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	20953	4.856	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	19231	5.332	ug/L	99
61) Bromoform	9.78	173	19117	5.273	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	82769	5.365	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	82328	5.337	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	78089	5.438	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	3786	5.125	ug/L	89
67) 1,3,5-Trichlorobenzene	12.70	180	67483	5.604	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	48519	5.595	ug/L	98
69) Naphthalene	13.56	128	54745	5.215	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	43873	5.549	ug/L	98

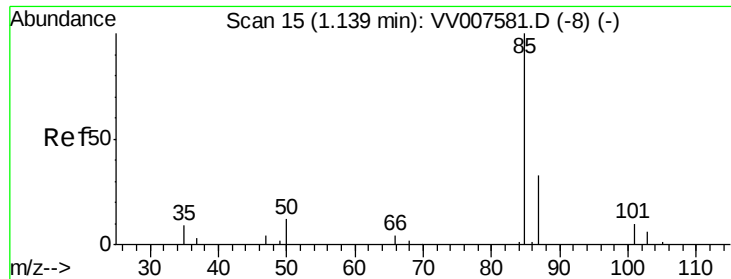
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Data File : VV007581.D
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Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
Client Sample Id :
VSTD00565

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.028 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV007581.D

Acq: 17 Sep 2018 10:02

Instrument :

MSVOA_V

ClientSampleId :

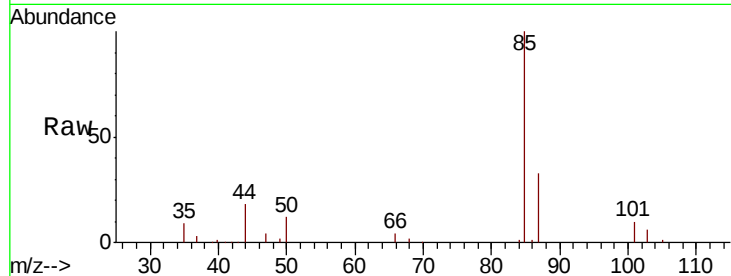
VSTD00565

Tgt Ion: 85 Resp: 34473

Ion Ratio Lower Upper

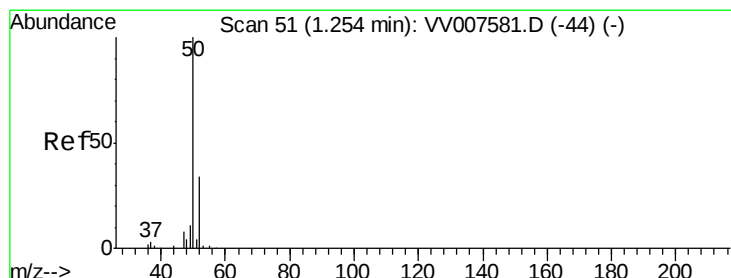
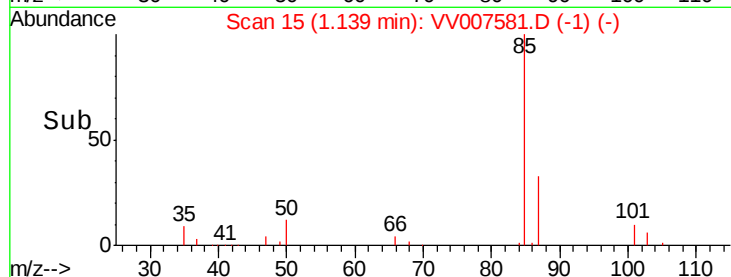
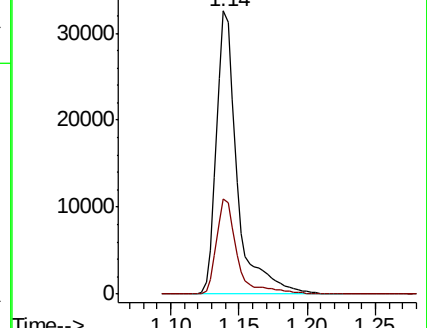
85 100

87 33.3 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV007581.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV007581.D (-8) (-)



#3

Chloromethane

Concen: 4.987 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV007581.D

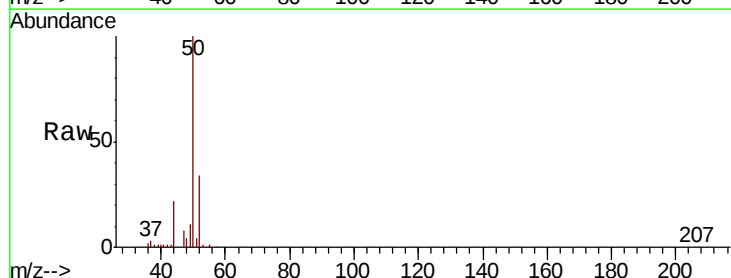
Acq: 17 Sep 2018 10:02

Tgt Ion: 50 Resp: 29717

Ion Ratio Lower Upper

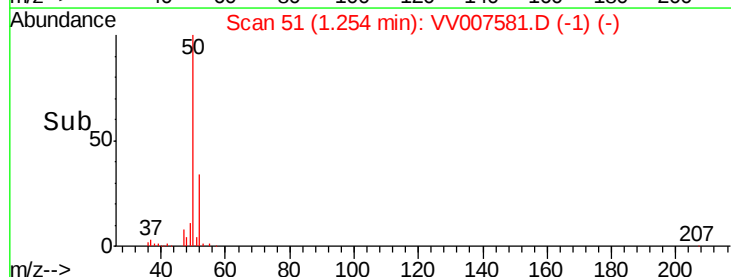
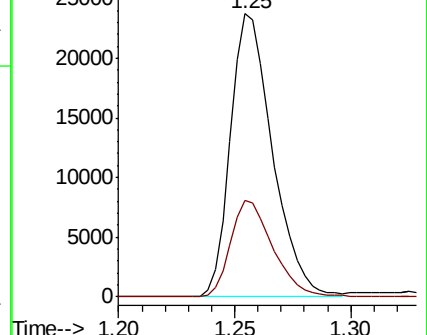
50 100

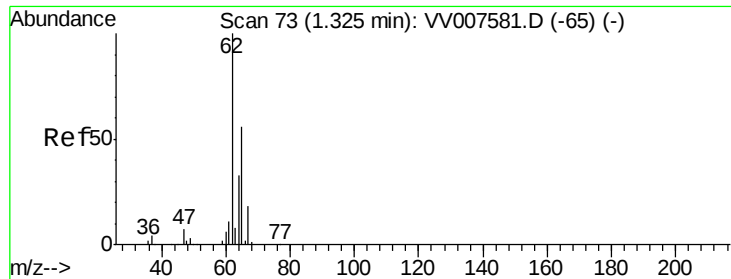
52 33.9 24.3 45.1



Abundance Ion 50.05 (49.75 to 50.75): VV007581.D (-44) (-)

Ion 52.05 (51.75 to 52.75): VV007581.D (-44) (-)





#5

Vinyl chloride

Concen: 5.321 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV007581.D

Acq: 17 Sep 2018 10:02

Instrument :

MSVOA_V

ClientSampleId :

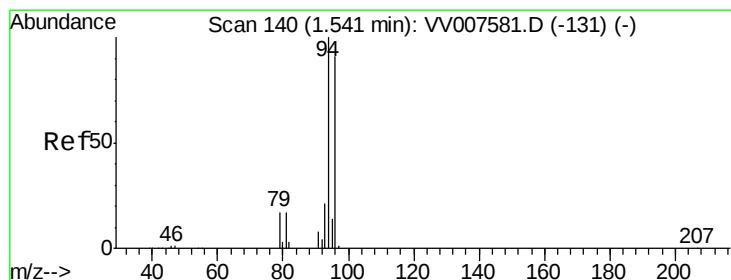
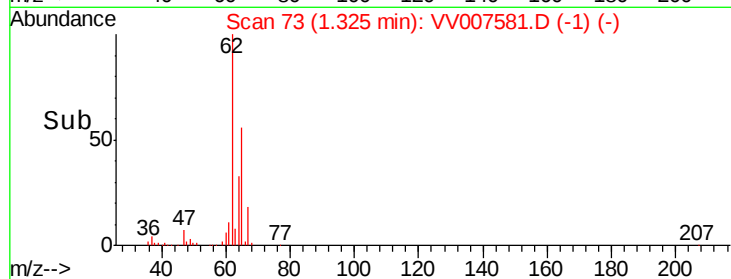
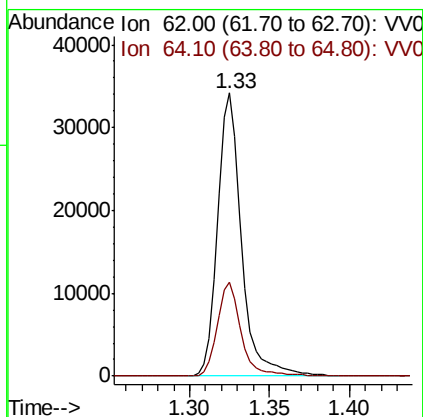
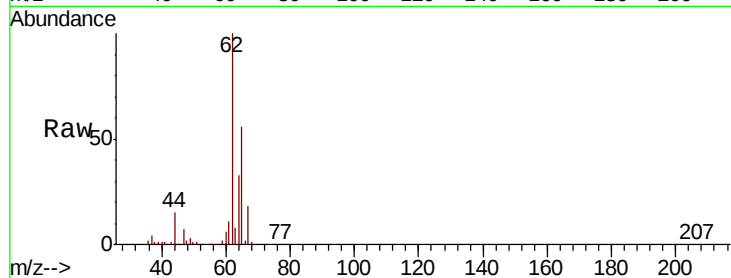
VSTD00565

Tgt Ion: 62 Resp: 35404

Ion Ratio Lower Upper

62 100

64 33.0 24.4 45.2



#6

Bromomethane

Concen: 5.390 ug/L

RT: 1.54 min Scan# 140

Delta R.T. 0.00 min

Lab File: VV007581.D

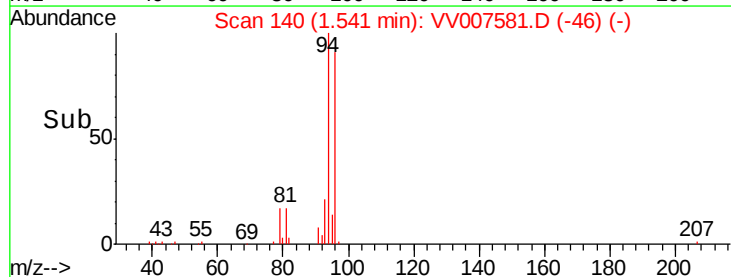
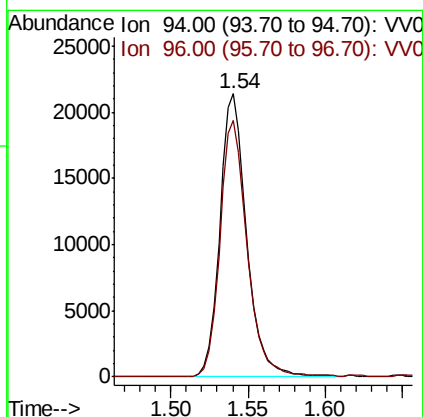
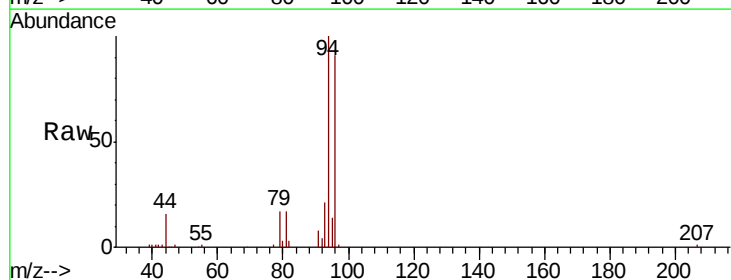
Acq: 17 Sep 2018 10:02

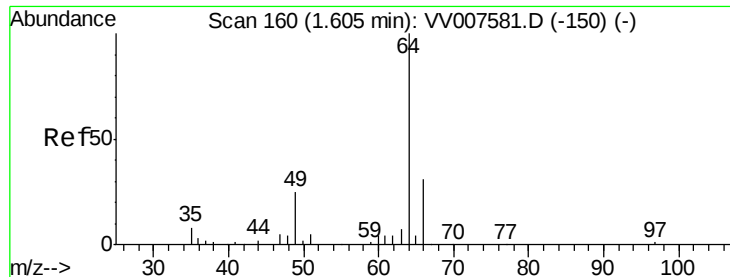
Tgt Ion: 94 Resp: 25591

Ion Ratio Lower Upper

94 100

96 90.7 64.5 119.7





#8

Chloroethane

Concen: 5.467 ug/L

RT: 1.60 min Scan# 160

Delta R.T. 0.00 min

Lab File: VV007581.D

Acq: 17 Sep 2018 10:02

Instrument :

MSVOA_V

ClientSampleId :

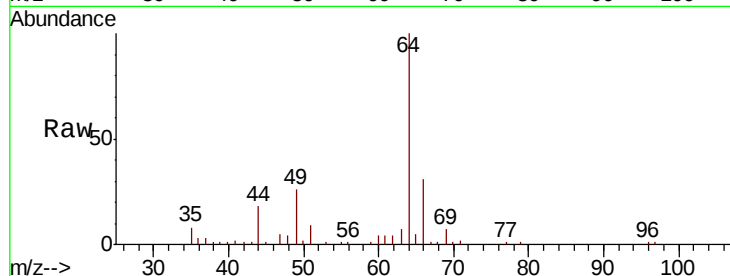
VSTD00565

Tgt Ion: 64 Resp: 22168

Ion Ratio Lower Upper

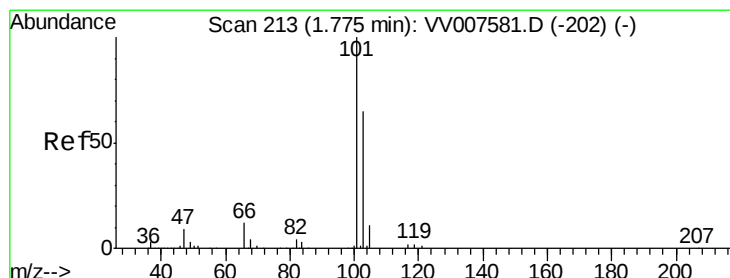
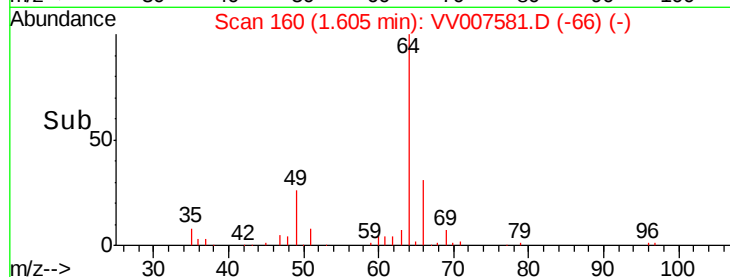
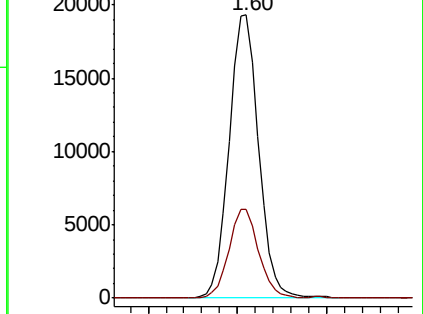
64 100

66 31.2 24.3 45.1



Abundance Ion 64.10 (63.80 to 64.80): VV007581.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV007581.D (-150) (-)



#9

Trichlorofluoromethane

Concen: 5.300 ug/L

RT: 1.78 min Scan# 213

Delta R.T. 0.00 min

Lab File: VV007581.D

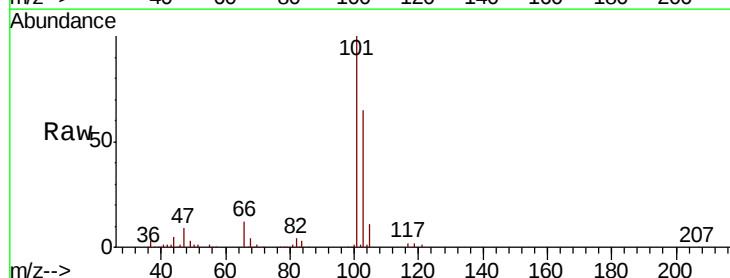
Acq: 17 Sep 2018 10:02

Tgt Ion: 101 Resp: 69546

Ion Ratio Lower Upper

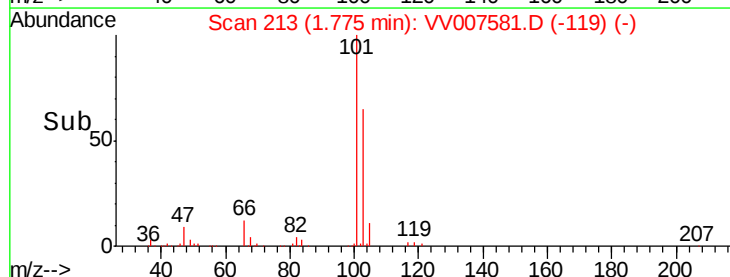
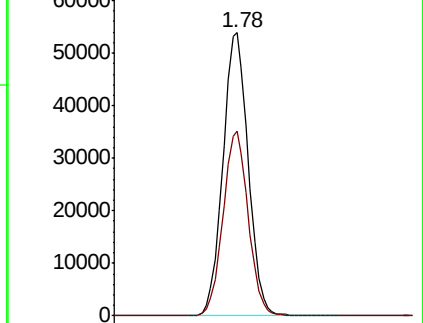
101 100

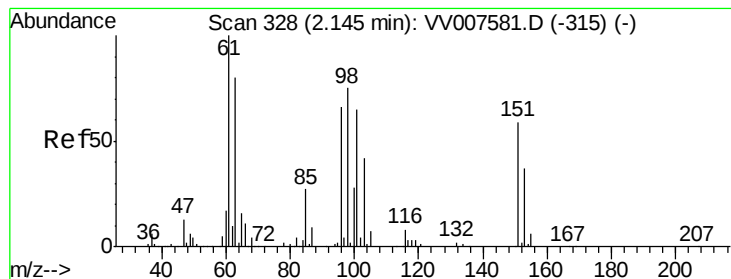
103 64.7 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VV007581.D (-202) (-)

Ion 103.00 (102.70 to 103.70): VV007581.D (-202) (-)





#10

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

Concen: 5.550 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV007581.D

Acq: 17 Sep 2018 10:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

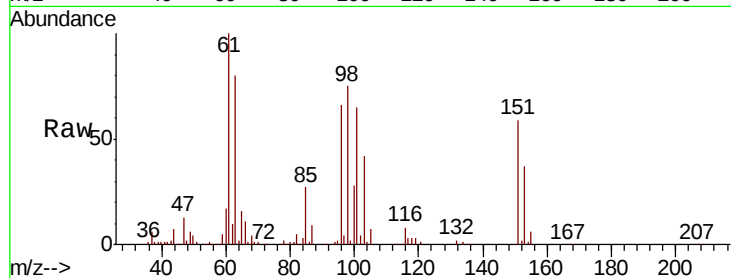
Tgt Ion:101 Resp: 39738

Ion Ratio Lower Upper

101 100

85 43.4 34.8 52.2

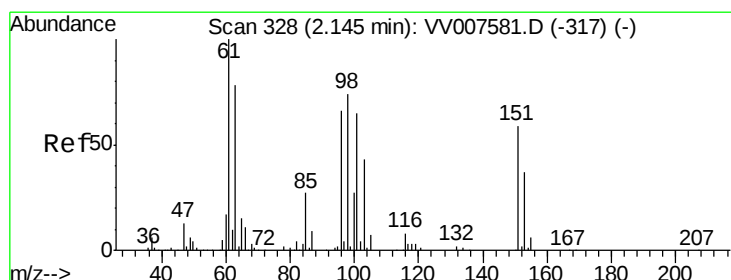
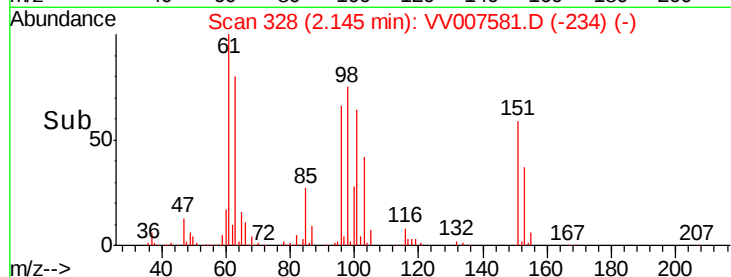
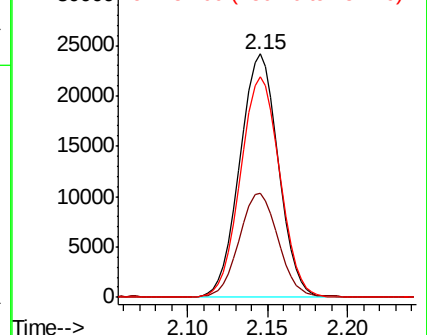
151 92.1 72.6 109.0



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: 5.450 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV007581.D

Acq: 17 Sep 2018 10:02

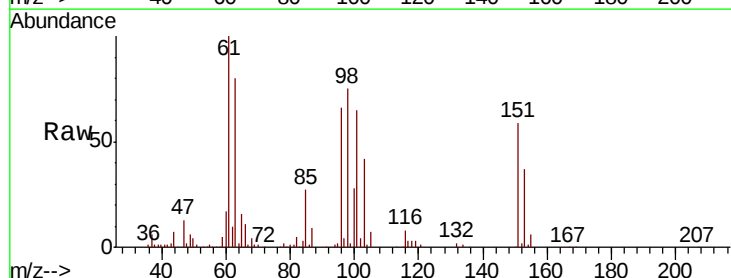
Tgt Ion: 96 Resp: 35035

Ion Ratio Lower Upper

96 100

61 151.4 114.8 213.2

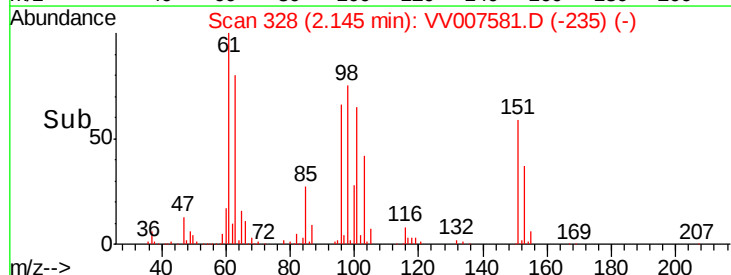
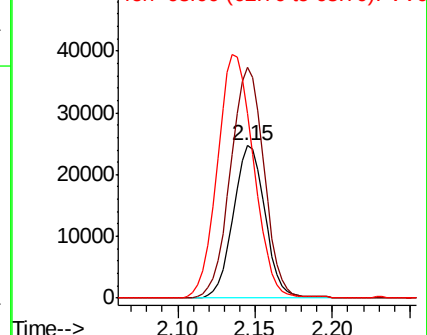
63 121.6 81.8 151.8

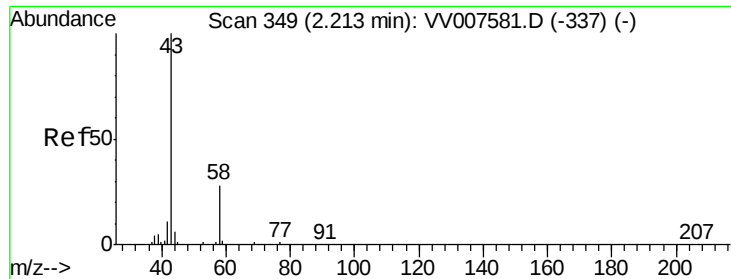


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 44.298 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.00 min

Lab File: VV007581.D

Acq: 17 Sep 2018 10:02

Instrument :

MSVOA_V

ClientSampleId :

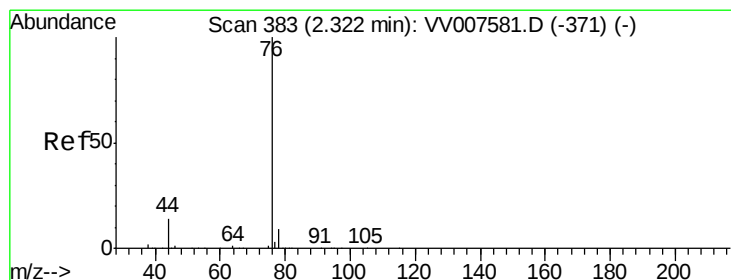
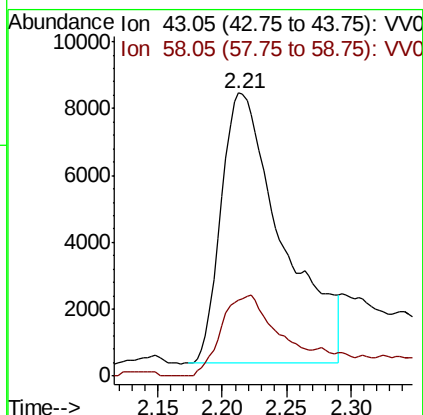
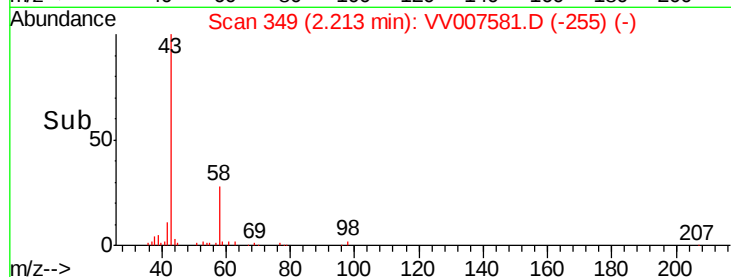
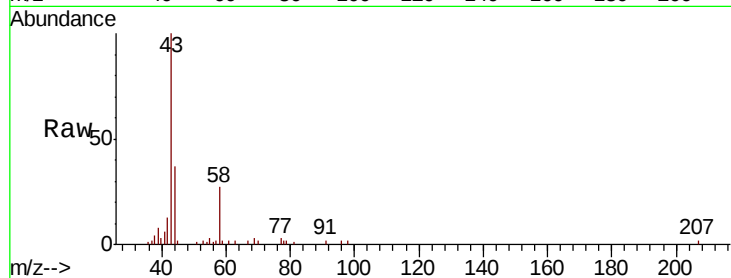
VSTD00565

Tgt Ion: 43 Resp: 26697

Ion Ratio Lower Upper

43 100

58 28.1 0.0 63.4



#14

Carbon disulfide

Concen: 5.282 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV007581.D

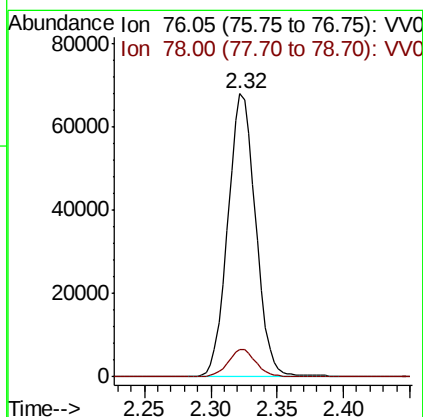
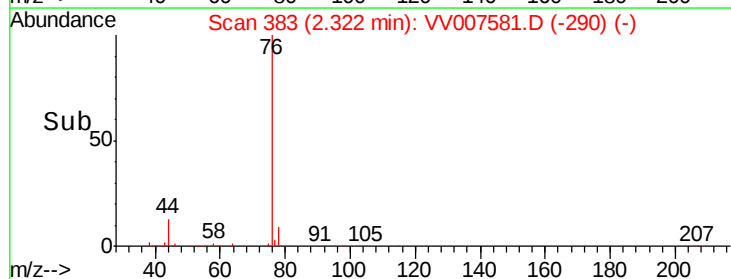
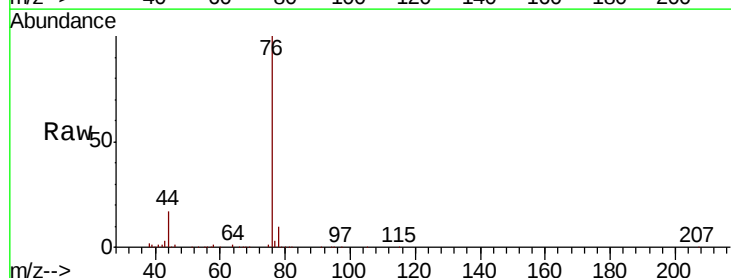
Acq: 17 Sep 2018 10:02

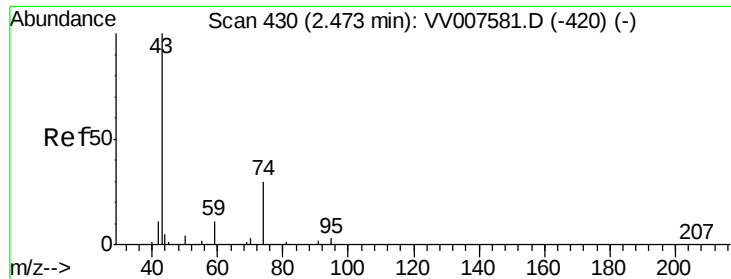
Tgt Ion: 76 Resp: 99328

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.0

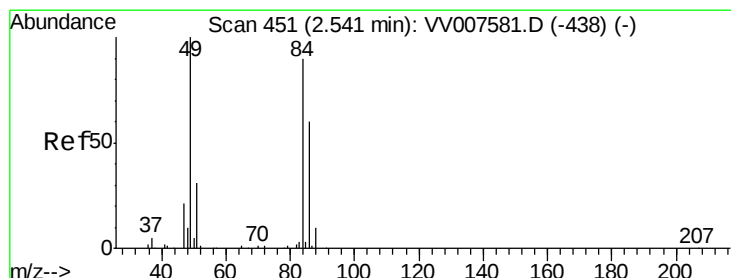
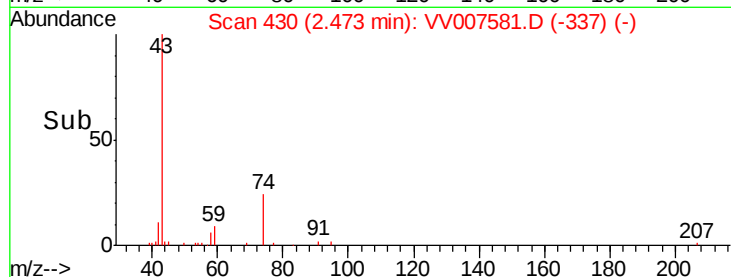
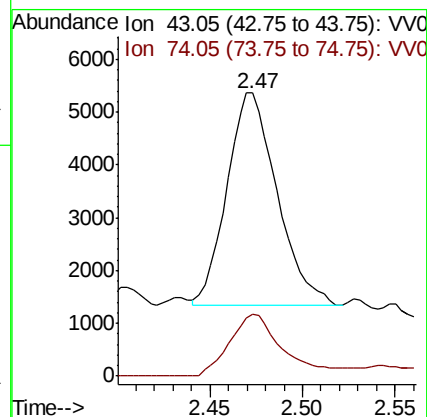
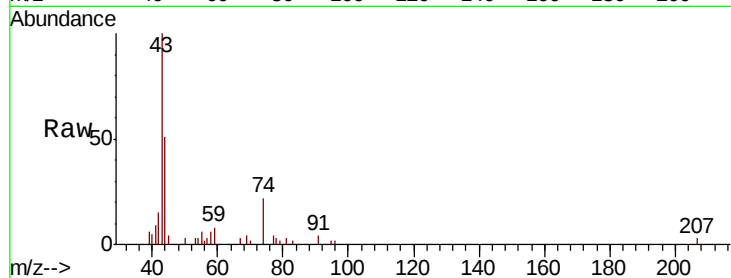




#15
Methyl Acetate
Concen: 4.586 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.00 min
Lab File: VV007581.D
Acq: 17 Sep 2018 10:02

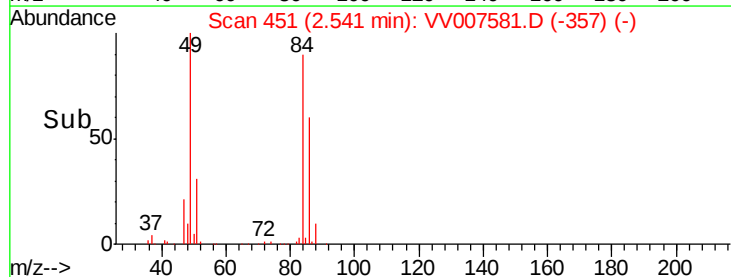
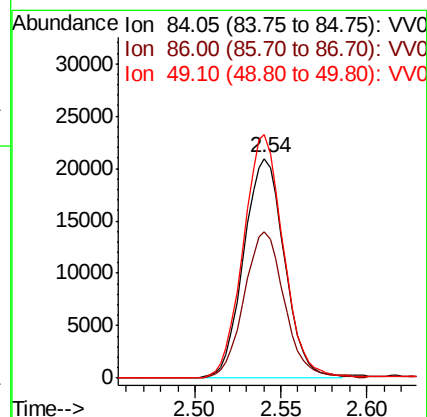
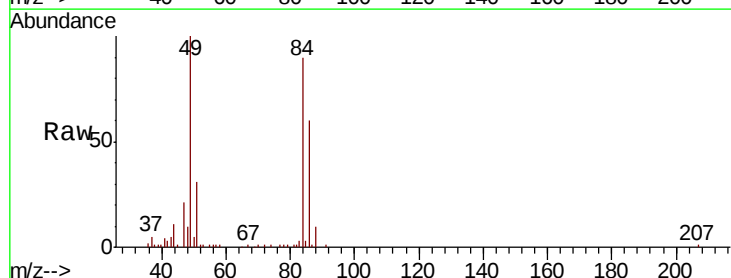
Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

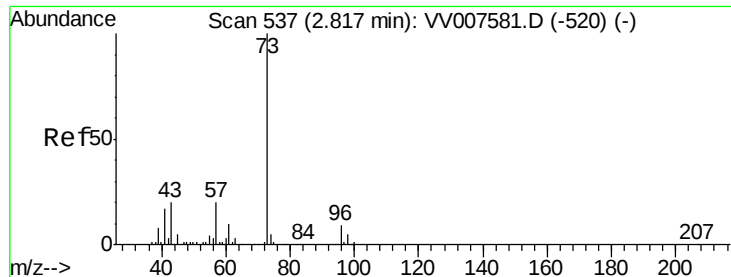
Tgt Ion: 43 Resp: 7575
Ion Ratio Lower Upper
43 100
74 32.1 25.4 38.2



#16
Methylene chloride
Concen: 4.962 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV007581.D
Acq: 17 Sep 2018 10:02

Tgt Ion: 84 Resp: 34474
Ion Ratio Lower Upper
84 100
86 66.8 43.7 81.1
49 110.8 76.8 142.6





#17

Methyl tert-butyl Ether

Concen: 5.287 ug/L

RT: 2.82 min Scan# 537

Delta R.T. 0.00 min

Lab File: VV007581.D

Acq: 17 Sep 2018 10:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

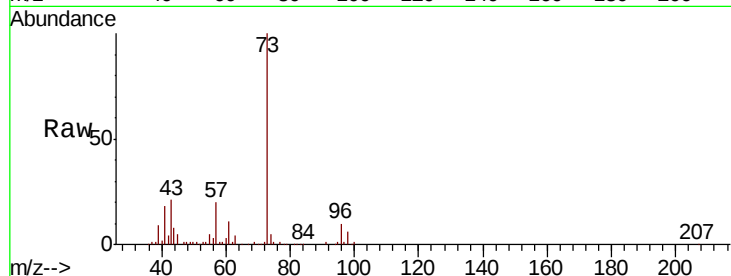
Tgt Ion: 73 Resp: 81764

Ion Ratio Lower Upper

73 100

43 19.2 15.8 23.6

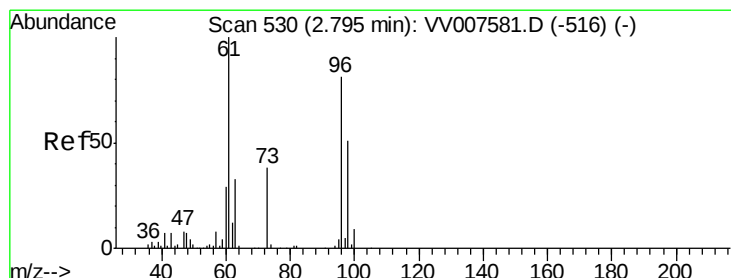
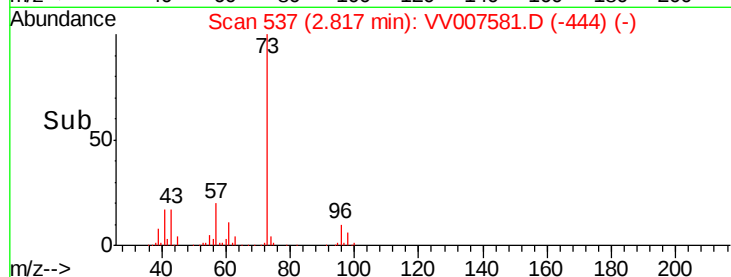
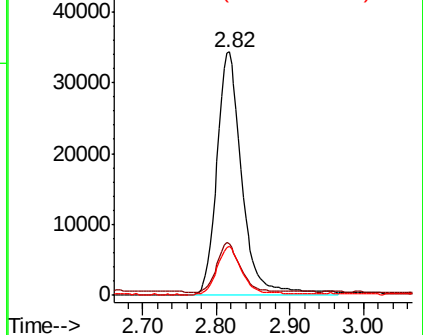
57 19.3 15.8 23.6



Abundance Ion 73.10 (72.80 to 73.80): VV007581.D (-520) (-)

Ion 43.05 (42.75 to 43.75): VV007581.D (-520) (-)

Ion 57.10 (56.80 to 57.80): VV007581.D (-520) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.418 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV007581.D

Acq: 17 Sep 2018 10:02

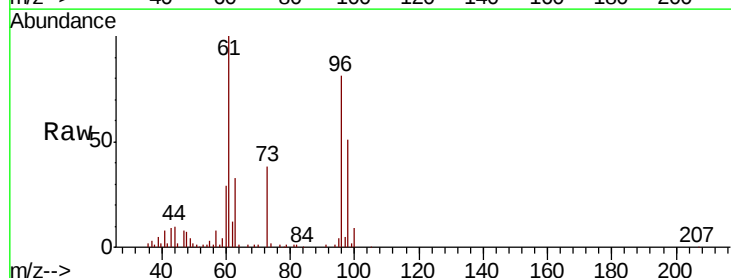
Tgt Ion: 96 Resp: 37888

Ion Ratio Lower Upper

96 100

61 124.2 86.8 161.2

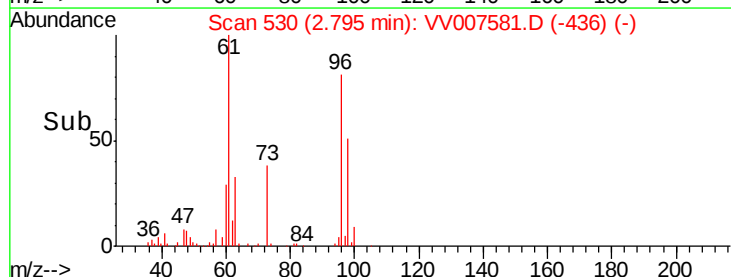
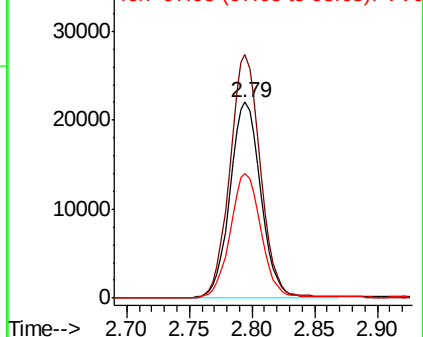
98 63.9 44.4 82.4

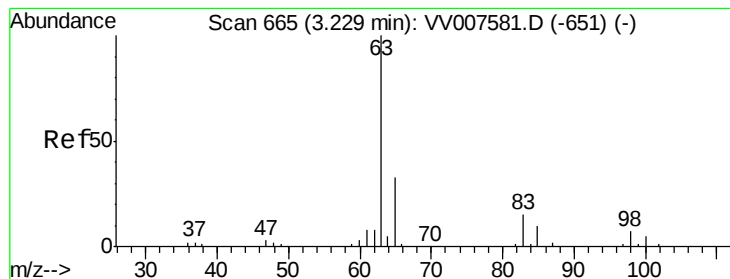


Abundance Ion 96.00 (95.70 to 96.70): VV007581.D (-516) (-)

Ion 61.05 (60.75 to 61.75): VV007581.D (-516) (-)

Ion 97.95 (97.65 to 98.65): VV007581.D (-516) (-)





#19

1,1-Dichloroethane

Concen: 5.065 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV007581.D

Acq: 17 Sep 2018 10:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

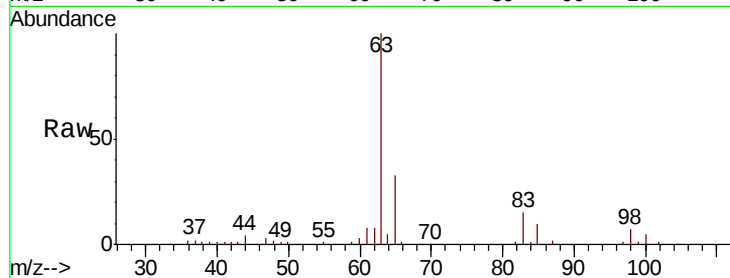
Tgt Ion: 63 Resp: 51639

Ion Ratio Lower Upper

63 100

65 33.3 22.5 41.9

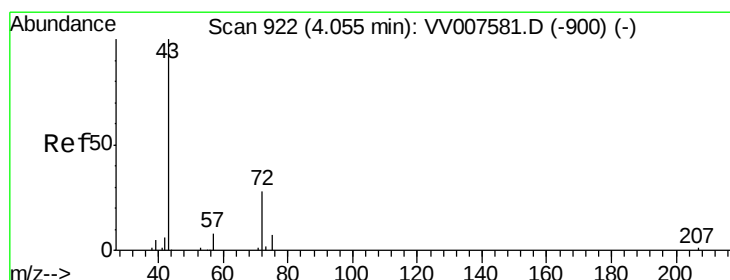
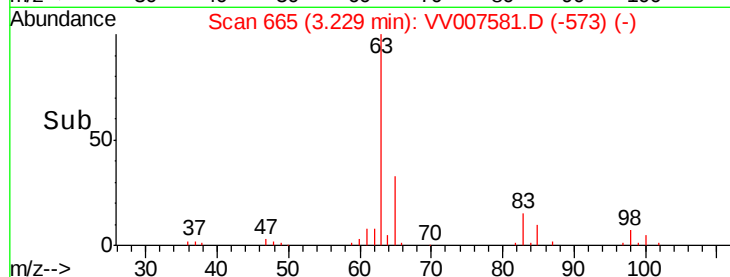
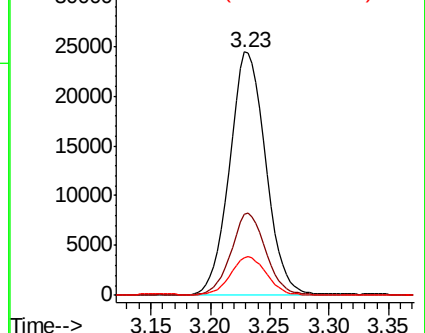
83 15.4 10.4 19.2



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: 43.675 ug/L

RT: 4.05 min Scan# 922

Delta R.T. -0.00 min

Lab File: VV007581.D

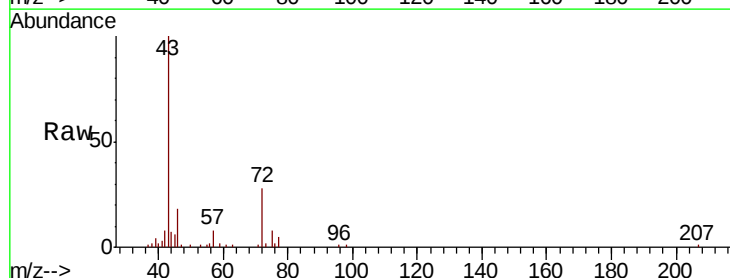
Acq: 17 Sep 2018 10:02

Tgt Ion: 43 Resp: 44155

Ion Ratio Lower Upper

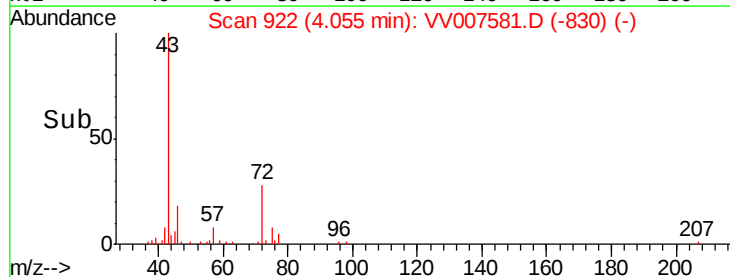
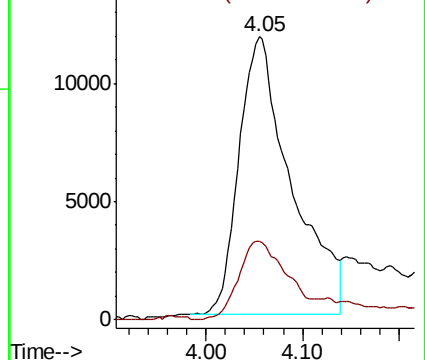
43 100

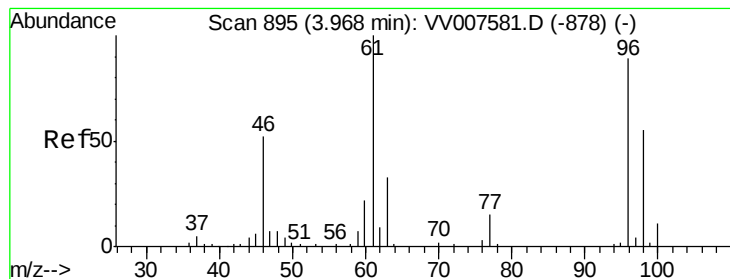
72 26.0 14.2 42.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



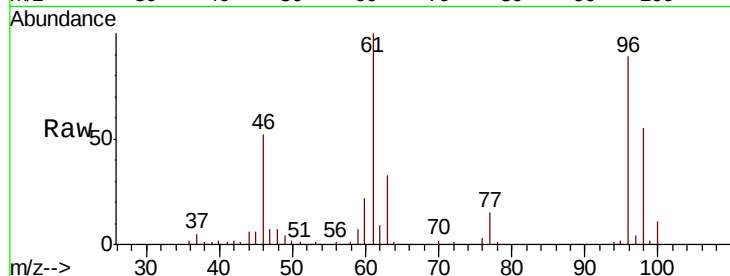


#22

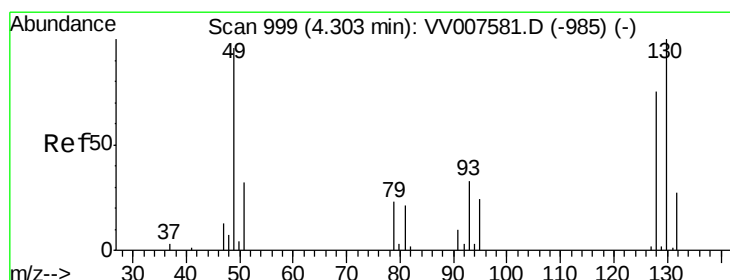
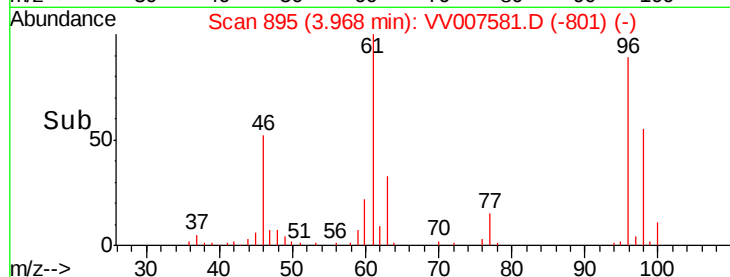
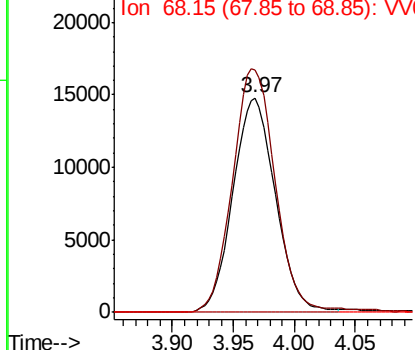
cis-1,2-Dichloroethene
 Concen: 5.177 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VV007581.D
 Acq: 17 Sep 2018 10:02

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

Tgt Ion: 96 Resp: 35687
 Ion Ratio Lower Upper
 96 100
 61 112.7 85.3 158.5
 68 0.0 0.0 0.0



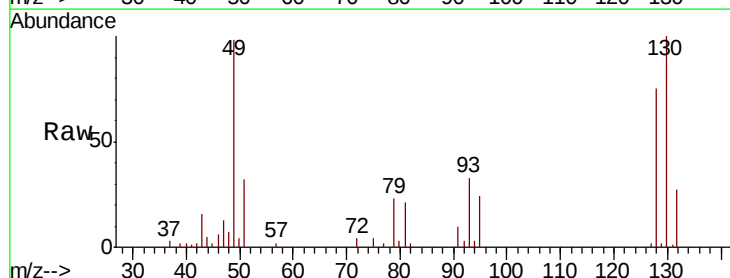
Abundance Ion 96.00 (95.70 to 96.70): VV007581.D (-878) (-)
 Ion 61.05 (60.75 to 61.75): VV007581.D (-878) (-)
 Ion 68.15 (67.85 to 68.85): VV007581.D (-878) (-)



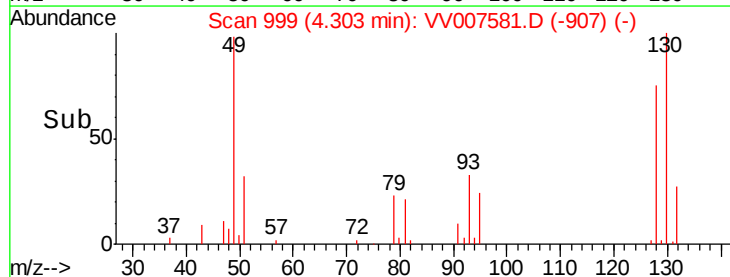
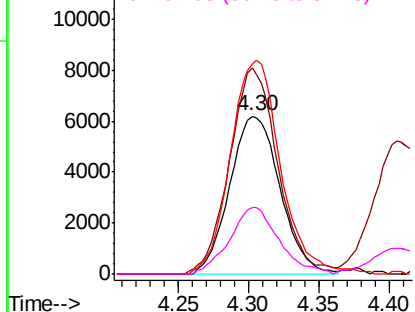
#23

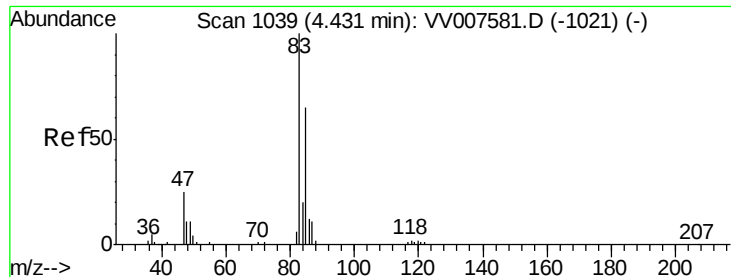
Bromochloromethane
 Concen: 5.118 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VV007581.D
 Acq: 17 Sep 2018 10:02

Tgt Ion: 128 Resp: 15465
 Ion Ratio Lower Upper
 128 100
 49 130.3 89.0 165.2
 130 133.3 88.8 165.0
 51 42.3 32.2 48.2



Abundance Ion 127.90 (127.60 to 128.60): VV007581.D (-985) (-)
 Ion 49.10 (48.80 to 49.80): VV007581.D (-985) (-)
 Ion 129.95 (129.65 to 130.65): VV007581.D (-985) (-)
 Ion 51.05 (50.75 to 51.75): VV007581.D (-985) (-)

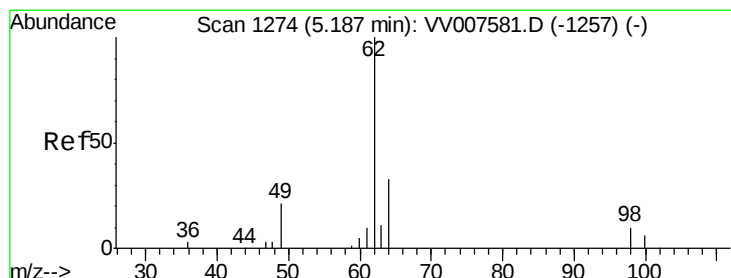
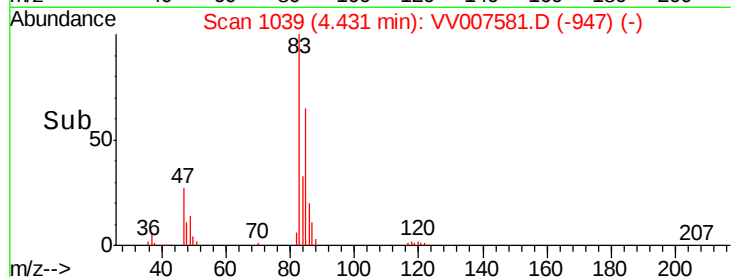
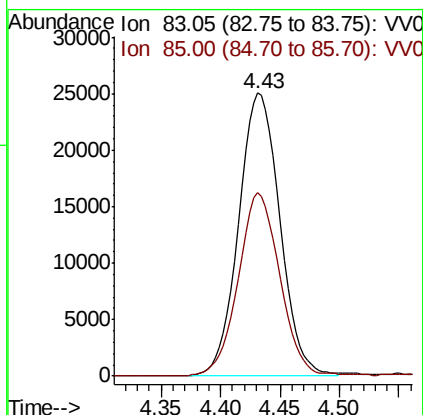
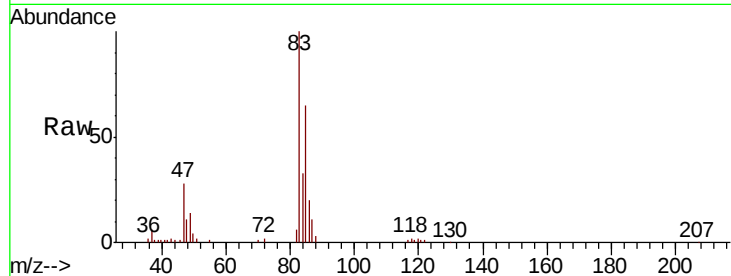




#25
Chloroform
Concen: 5.181 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VV007581.D
Acq: 17 Sep 2018 10:02

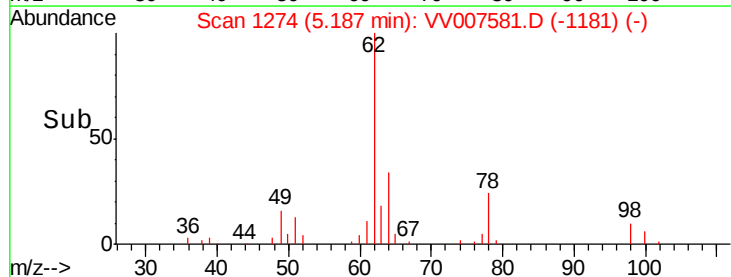
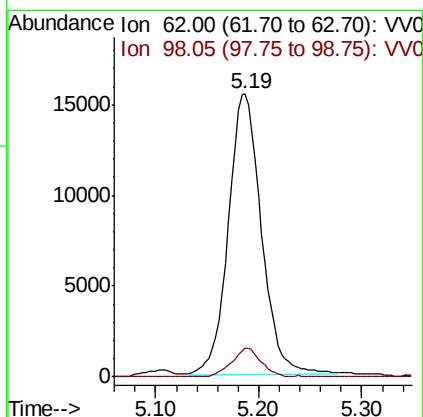
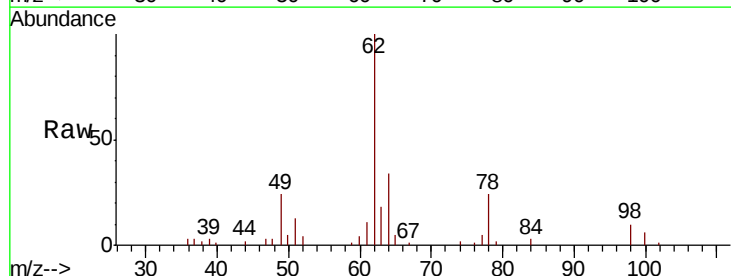
Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

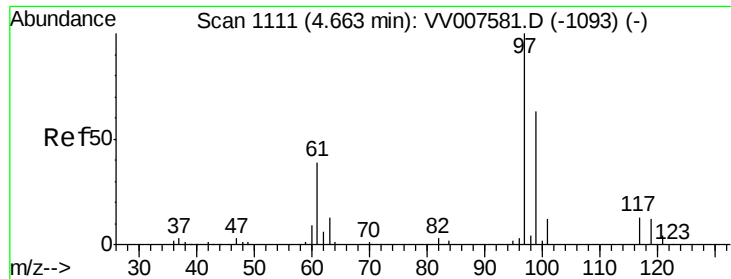
Tgt Ion: 83 Resp: 60367
Ion Ratio Lower Upper
83 100
85 65.0 45.5 84.5



#27
1,2-Dichloroethane
Concen: 5.196 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV007581.D
Acq: 17 Sep 2018 10:02

Tgt Ion: 62 Resp: 34851
Ion Ratio Lower Upper
62 100
98 10.0 7.6 11.4

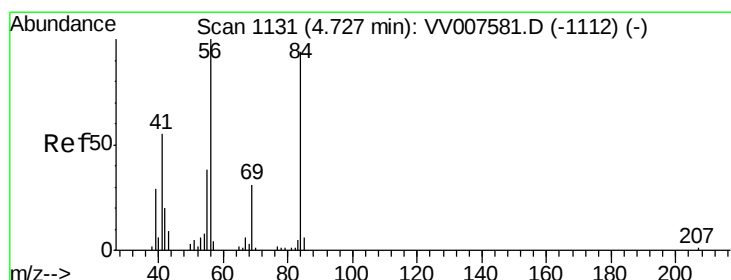
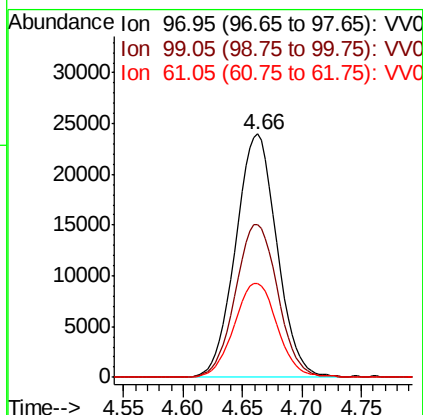
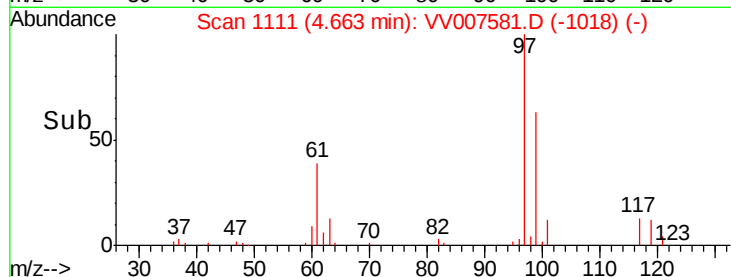
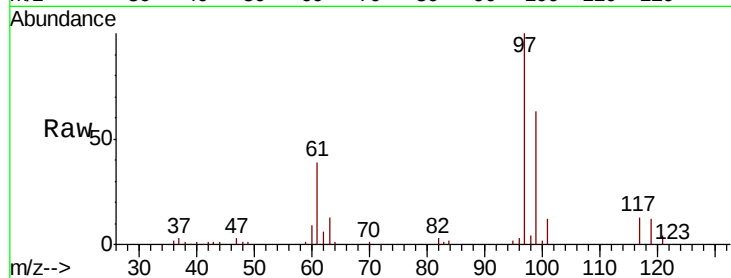




#29
 1,1,1-Trichloroethane
 Concen: 5.118 ug/L
 RT: 4.66 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VV007581.D
 Acq: 17 Sep 2018 10:02

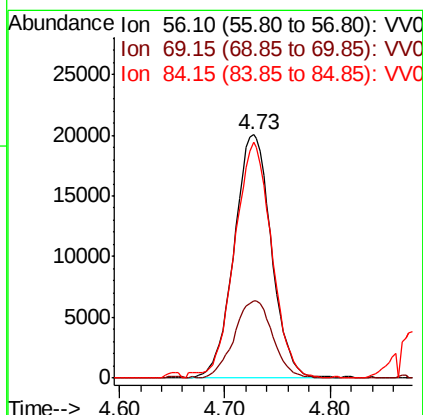
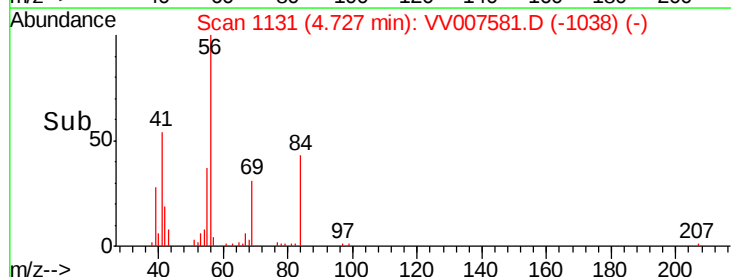
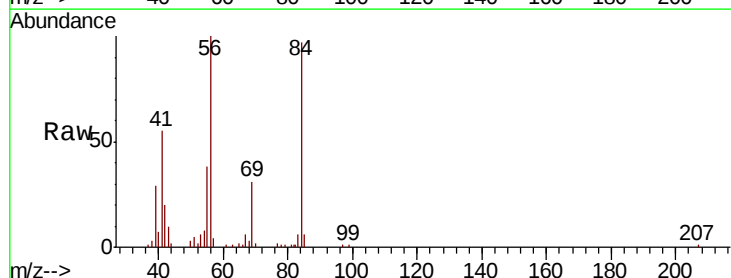
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

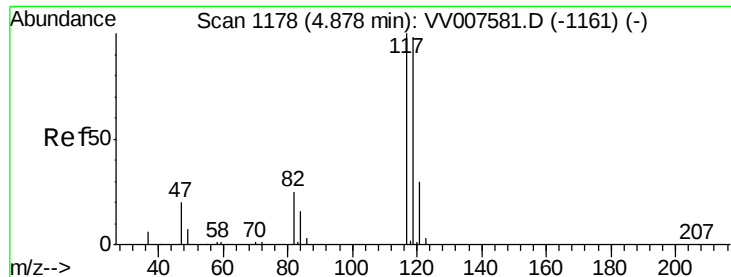
Tgt Ion: 97 Resp: 57696
 Ion Ratio Lower Upper
 97 100
 99 64.5 50.7 76.1
 61 40.4 32.5 48.7



#30
 Cyclohexane
 Concen: 4.986 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VV007581.D
 Acq: 17 Sep 2018 10:02

Tgt Ion: 56 Resp: 49017
 Ion Ratio Lower Upper
 56 100
 69 32.9 26.1 39.1
 84 96.3 78.0 117.0





#31

Carbon tetrachloride

Concen: 5.159 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV007581.D

Acq: 17 Sep 2018 10:02

Instrument :

MSVOA_V

ClientSampleId :

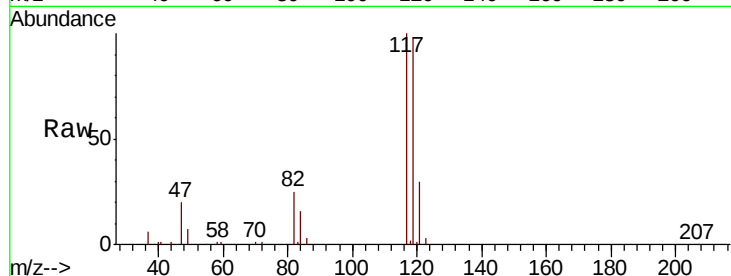
VSTD00565

Tgt Ion:117 Resp: 54577

Ion Ratio Lower Upper

117 100

119 96.2 77.5 116.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

25000

20000

15000

10000

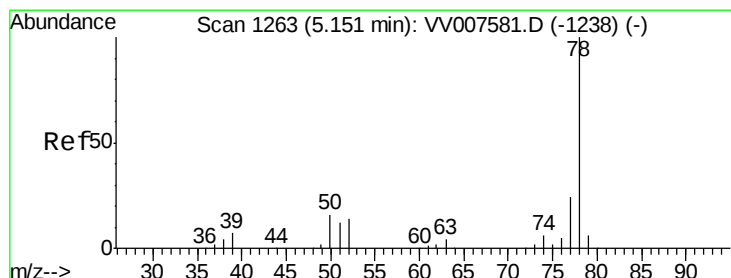
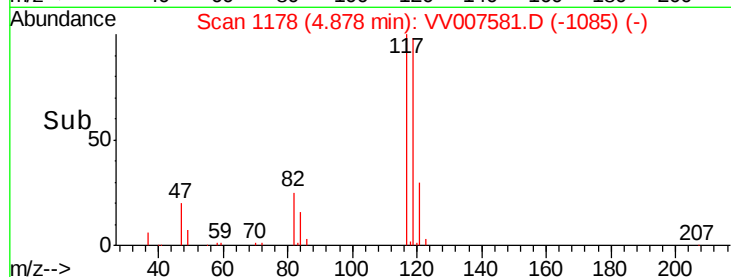
5000

0

4.88

4.85 4.90 4.95 5.00

Time-->



#33

Benzene

Concen: 5.207 ug/L

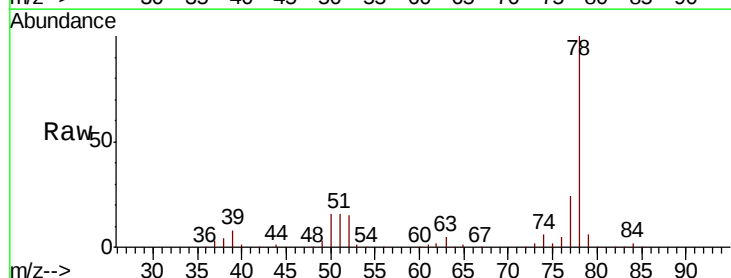
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VV007581.D

Acq: 17 Sep 2018 10:02

Tgt Ion: 78 Resp: 124641



Abundance Ion 78.10 (77.80 to 78.80): VV0

60000

40000

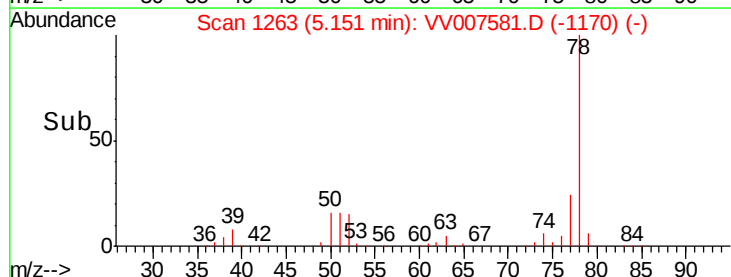
20000

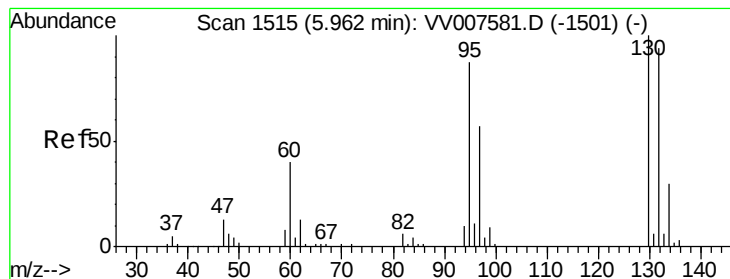
0

5.15

5.10 5.20

Time-->





#34

Trichloroethene

Concen: 5.596 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV007581.D

Acq: 17 Sep 2018 10:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

Tgt Ion: 95 Resp: 41086

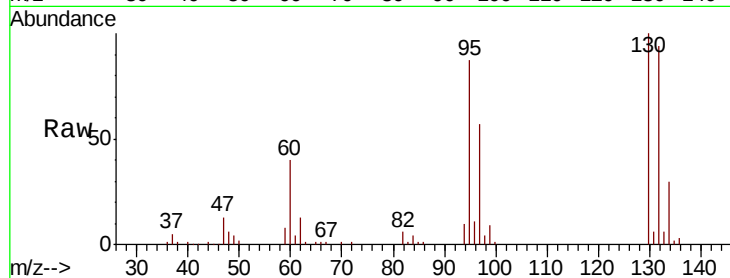
Ion Ratio Lower Upper

95 100

97 65.3 45.5 84.5

132 107.7 74.9 139.1

130 115.0 80.0 148.6

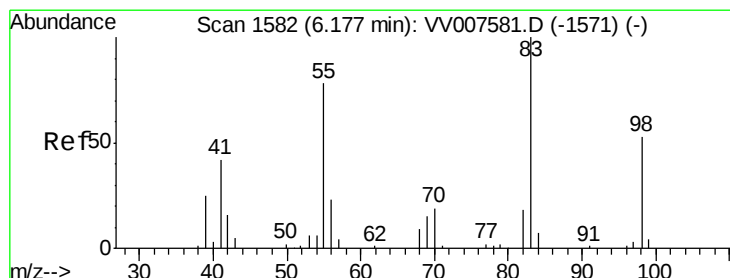
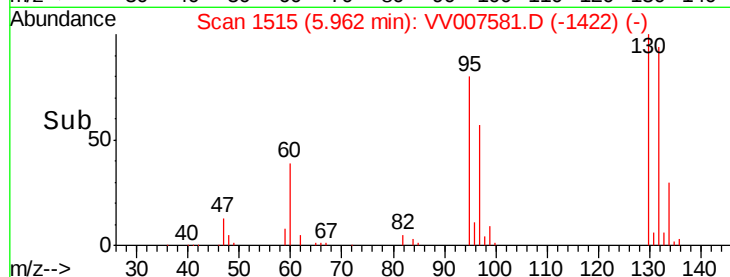
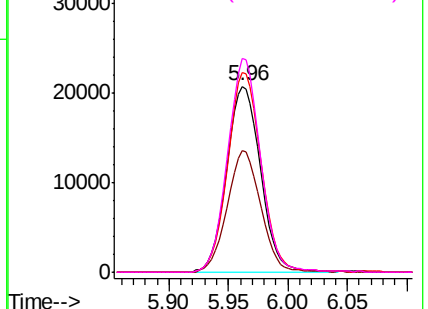


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 5.263 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV007581.D

Acq: 17 Sep 2018 10:02

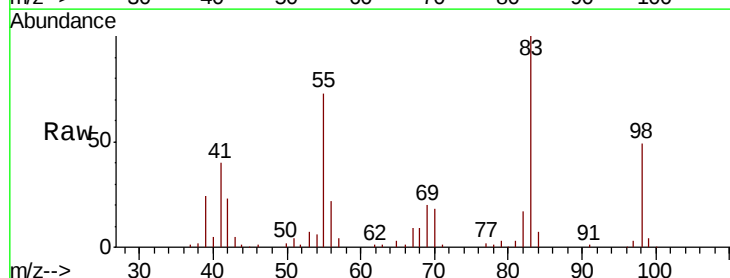
Tgt Ion: 83 Resp: 59674

Ion Ratio Lower Upper

83 100

55 69.6 55.0 82.4

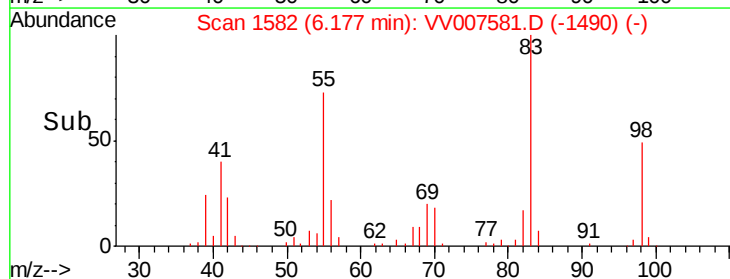
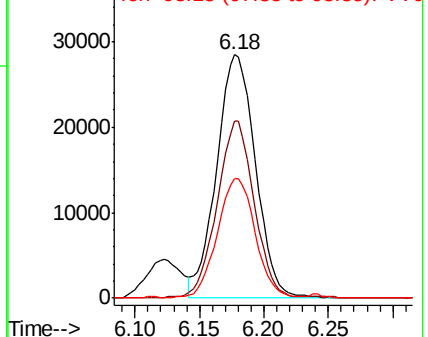
98 48.1 37.6 56.4

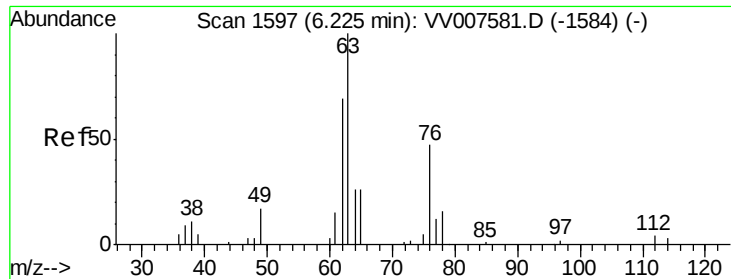


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

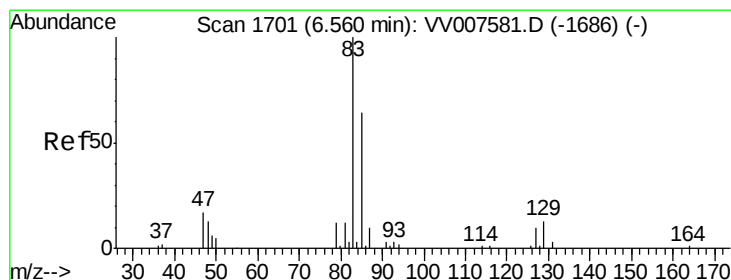
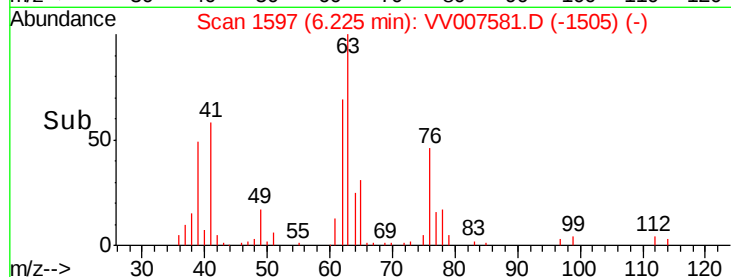
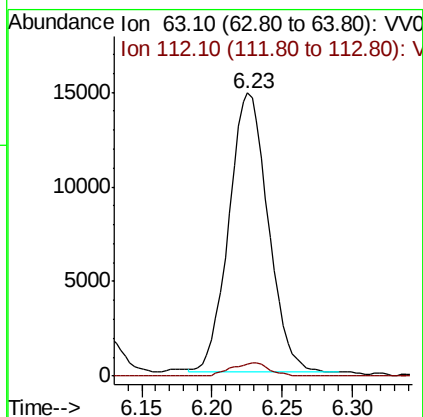
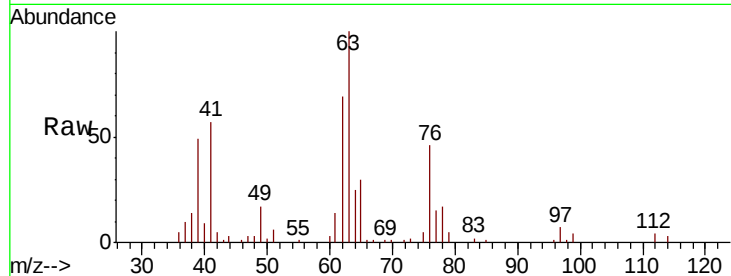




#37
 1,2-Dichloropropane
 Concen: 4.877 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. -0.00 min
 Lab File: VV007581.D
 Acq: 17 Sep 2018 10:02

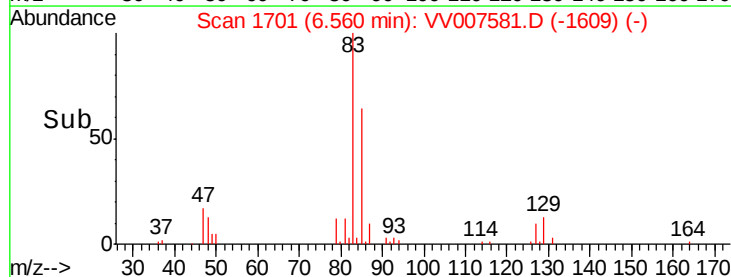
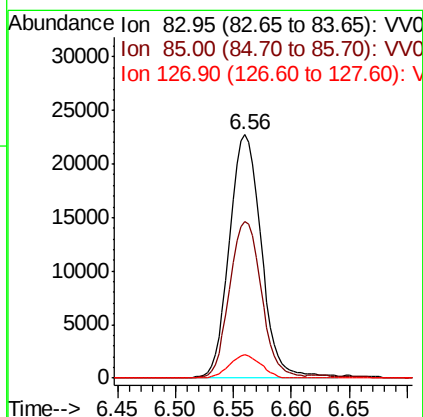
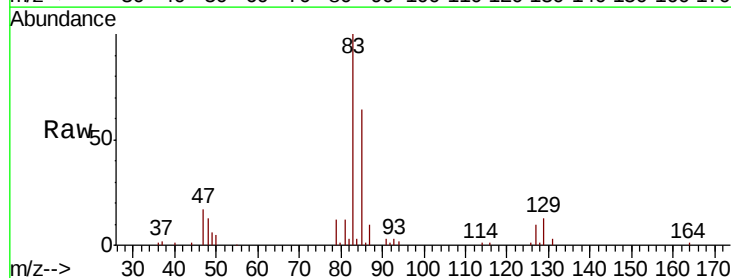
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

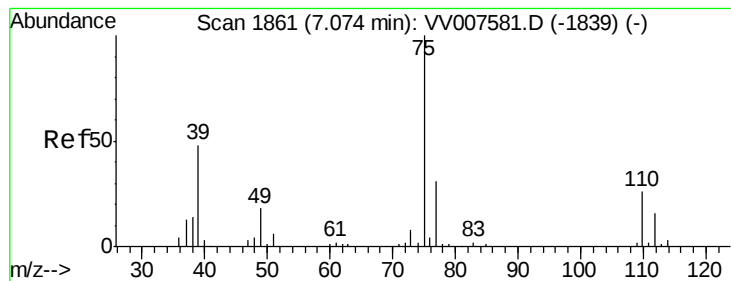
Tgt Ion: 63 Resp: 28770
 Ion Ratio Lower Upper
 63 100
 112 4.6 4.1 6.1



#38
 Bromodichloromethane
 Concen: 5.089 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. -0.00 min
 Lab File: VV007581.D
 Acq: 17 Sep 2018 10:02

Tgt Ion: 83 Resp: 43538
 Ion Ratio Lower Upper
 83 100
 85 64.4 46.4 86.2
 127 9.6 8.4 12.6



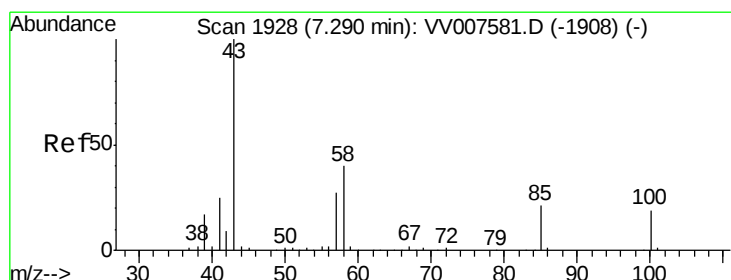
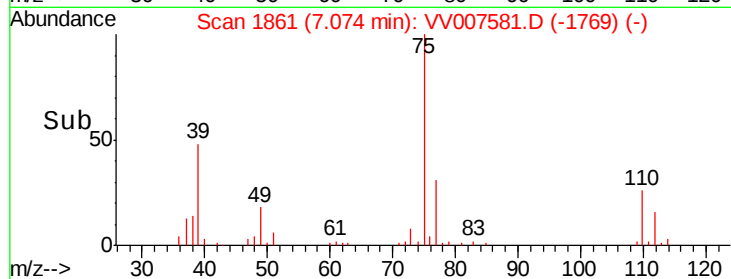
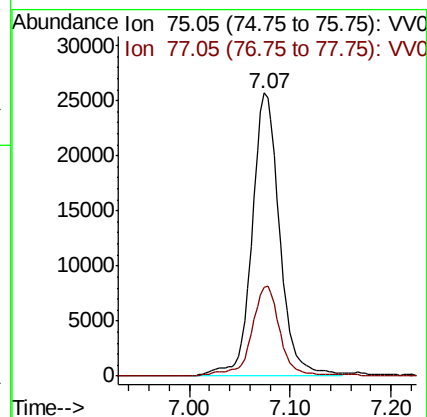
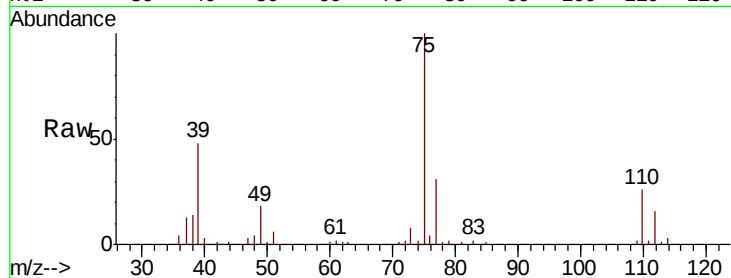


#39

cis-1,3-Dichloropropene
 Concen: 5.173 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VV007581.D
 Acq: 17 Sep 2018 10:02

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

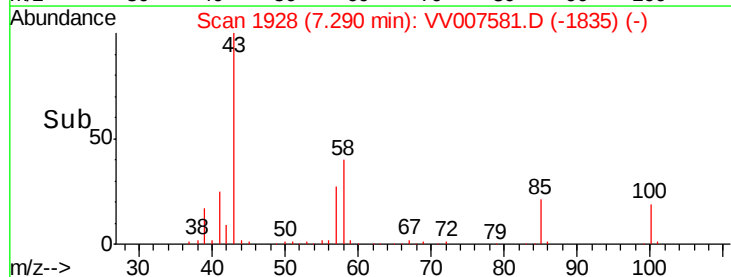
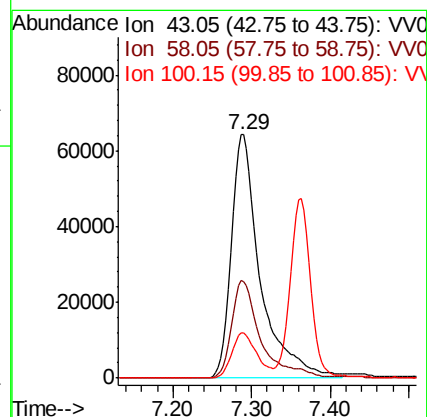
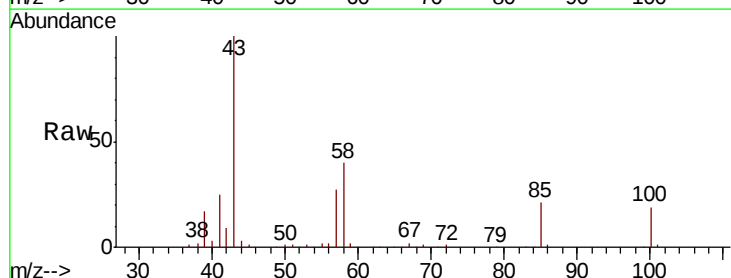
Tgt Ion: 75 Resp: 48518
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.0 41.0

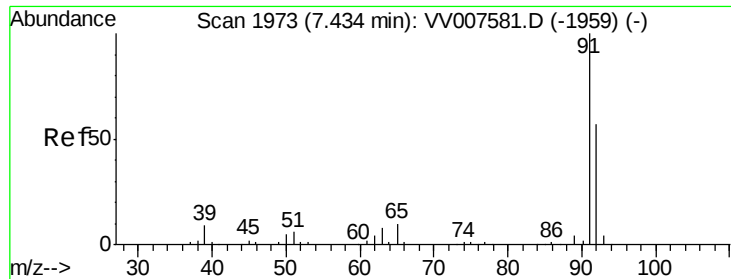


#40

4-Methyl-2-pentanone
 Concen: 50.471 ug/L
 RT: 7.29 min Scan# 1928
 Delta R.T. 0.00 min
 Lab File: VV007581.D
 Acq: 17 Sep 2018 10:02

Tgt Ion: 43 Resp: 164374
 Ion Ratio Lower Upper
 43 100
 58 40.0 32.6 49.0
 100 16.2 13.5 20.3





#42

Toluene

Concen: 5.239 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV007581.D

Acq: 17 Sep 2018 10:02

Instrument :

MSVOA_V

ClientSampleId :

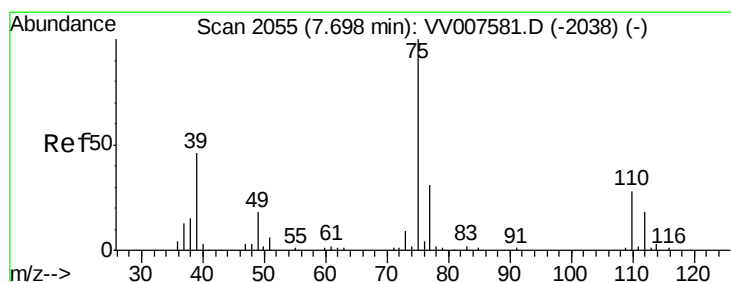
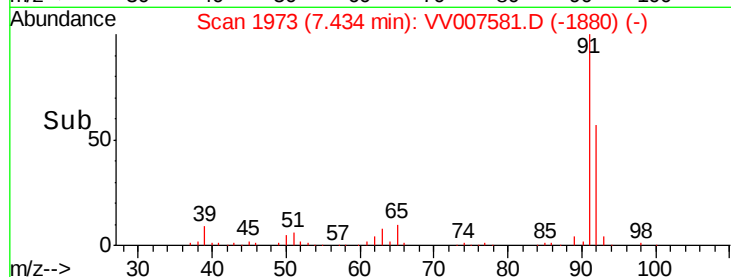
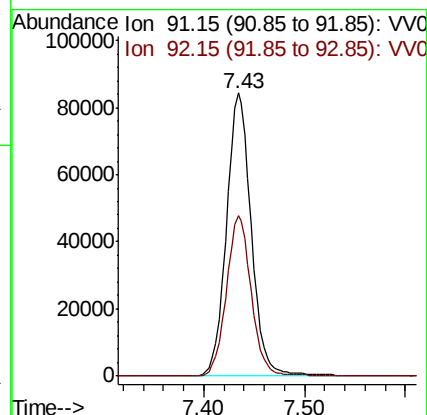
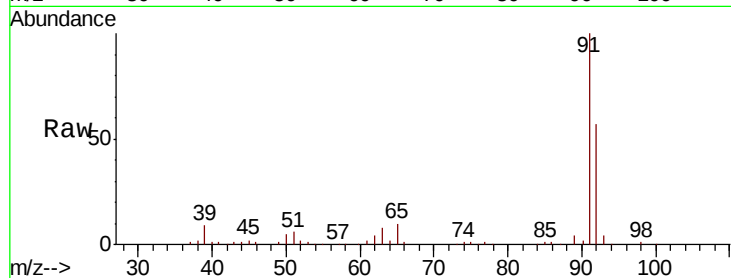
VSTD00565

Tgt Ion: 91 Resp: 144887

Ion Ratio Lower Upper

91 100

92 56.7 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 4.992 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV007581.D

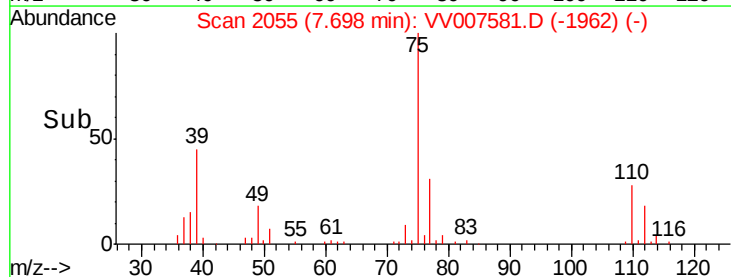
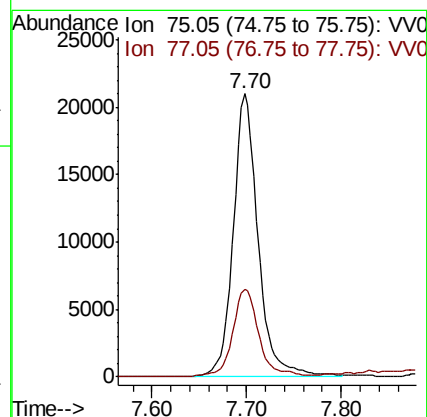
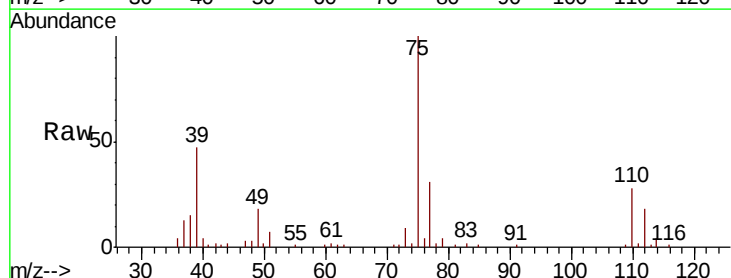
Acq: 17 Sep 2018 10:02

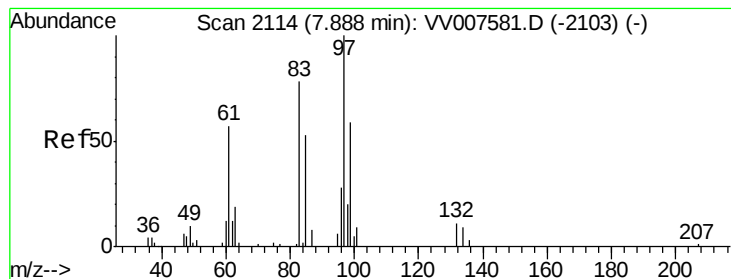
Tgt Ion: 75 Resp: 38514

Ion Ratio Lower Upper

75 100

77 30.8 23.4 43.4





#45

1,1,2-Trichloroethane

Concen: 5.315 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VV007581.D

Acq: 17 Sep 2018 10:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

Tgt Ion: 97 Resp: 23410

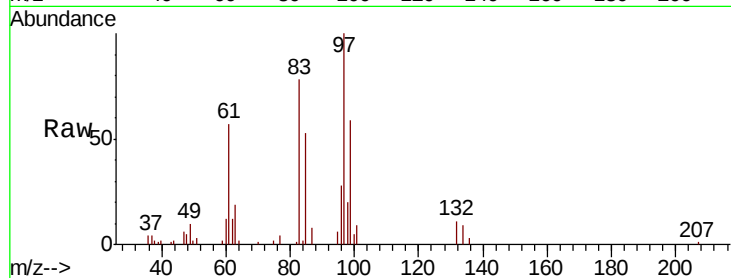
Ion Ratio Lower Upper

97 100

99 59.3 42.9 79.7

83 78.5 58.1 107.9

85 52.9 38.3 71.1



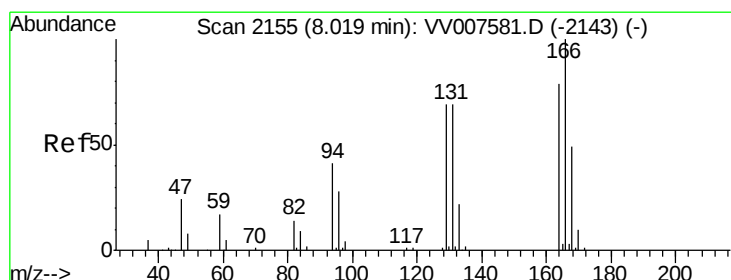
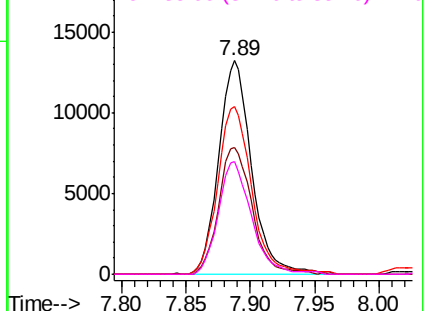
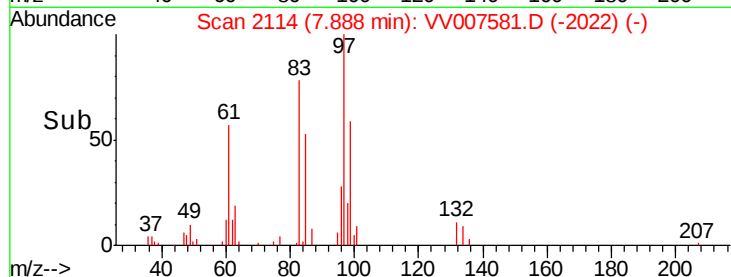
Abundance

Ion 96.95 (96.65 to 97.65): VV007581.D (-2103) (-)

Ion 99.05 (98.75 to 99.75): VV007581.D (-2103) (-)

Ion 82.95 (82.65 to 83.65): VV007581.D (-2103) (-)

Ion 85.00 (84.70 to 85.70): VV007581.D (-2103) (-)



#47

Tetrachloroethene

Concen: 5.403 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV007581.D

Acq: 17 Sep 2018 10:02

Tgt Ion: 164 Resp: 35618

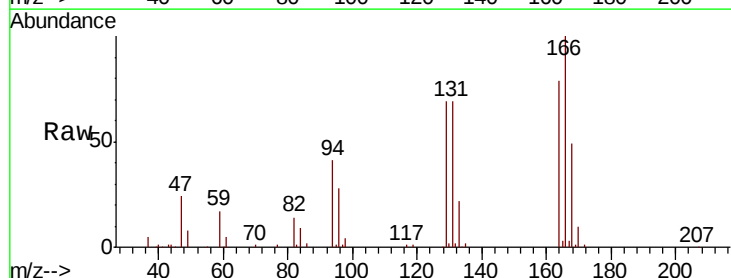
Ion Ratio Lower Upper

164 100

129 87.5 61.9 115.1

131 87.4 62.1 115.3

166 126.4 90.4 167.8



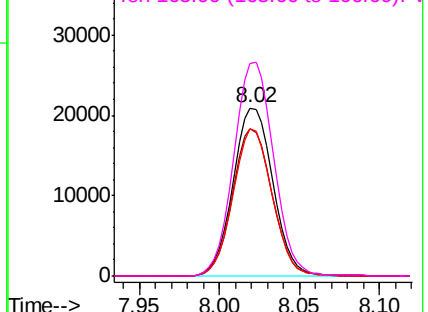
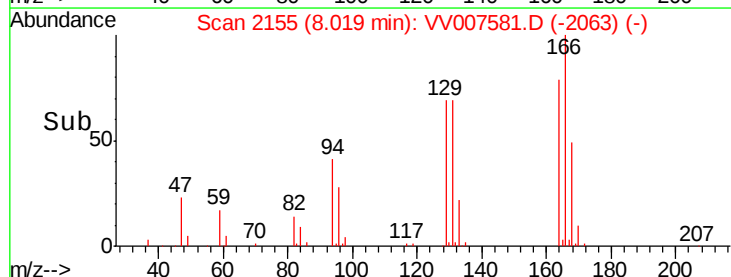
Abundance

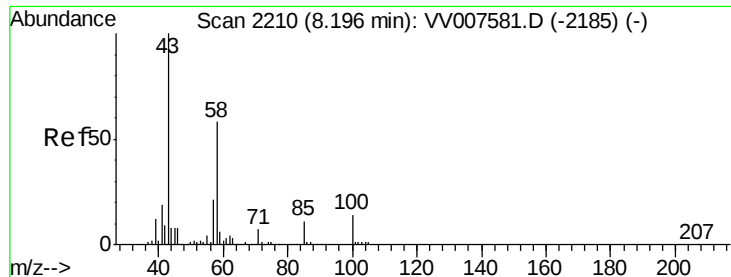
Ion 163.90 (163.60 to 164.60): VV007581.D (-2143) (-)

Ion 128.95 (128.65 to 129.65): VV007581.D (-2143) (-)

Ion 130.95 (130.65 to 131.65): VV007581.D (-2143) (-)

Ion 165.90 (165.60 to 166.60): VV007581.D (-2143) (-)

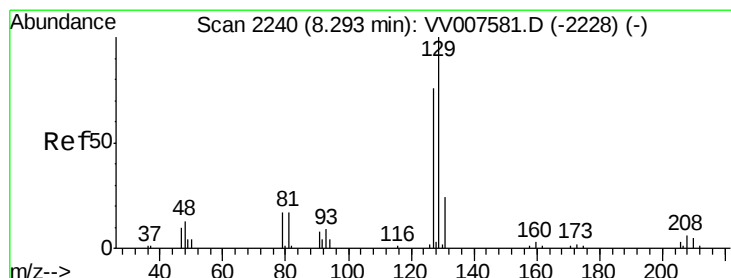
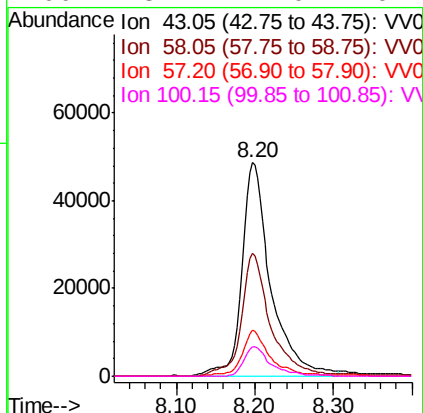
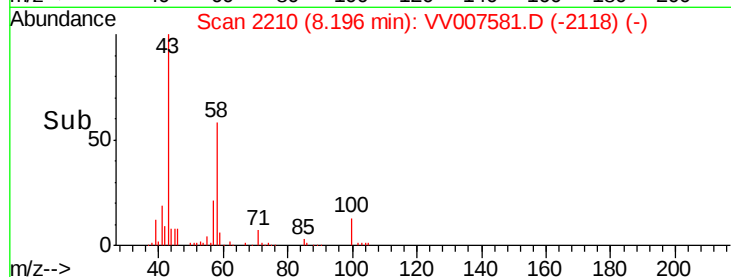
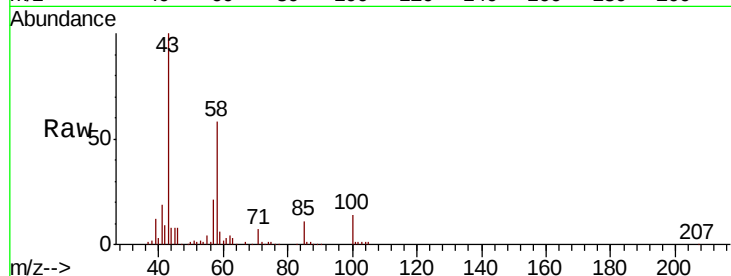




#48
2-Hexanone
Concen: 50.324 ug/L
RT: 8.20 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VV007581.D
Acq: 17 Sep 2018 10:02

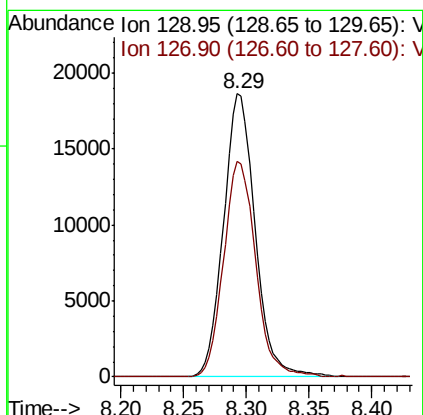
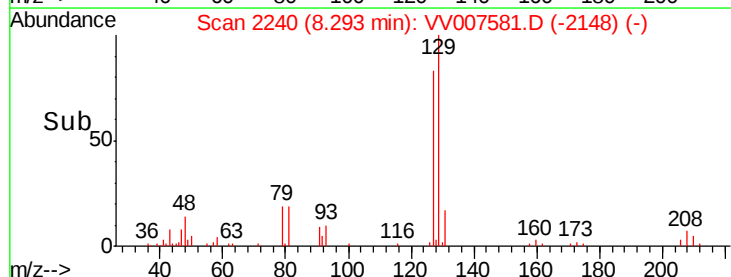
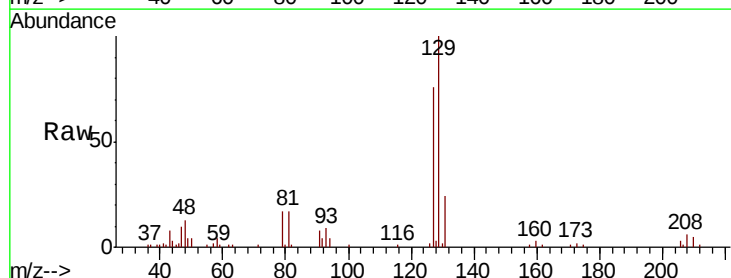
Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

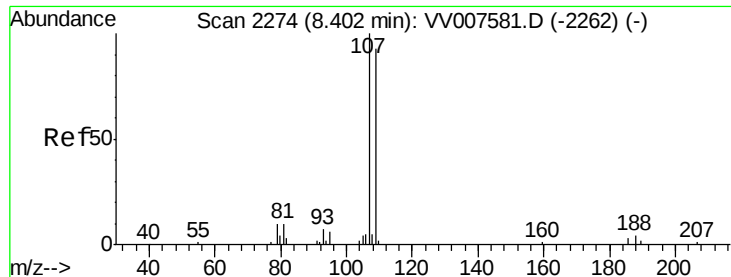
Tgt Ion:	43	Resp:	124430
Ion	Ratio	Lower	Upper
43	100		
58	58.8	49.8	74.6
57	21.7	18.2	27.4
100	13.1	11.0	16.4



#49
Dibromochloromethane
Concen: 5.214 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV007581.D
Acq: 17 Sep 2018 10:02

Tgt Ion:	129	Resp:	32692
Ion	Ratio	Lower	Upper
129	100		
127	76.2	53.8	100.0

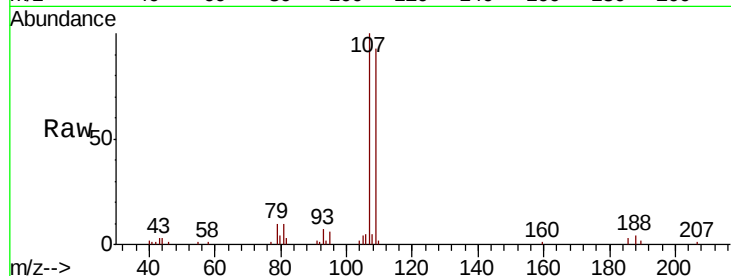




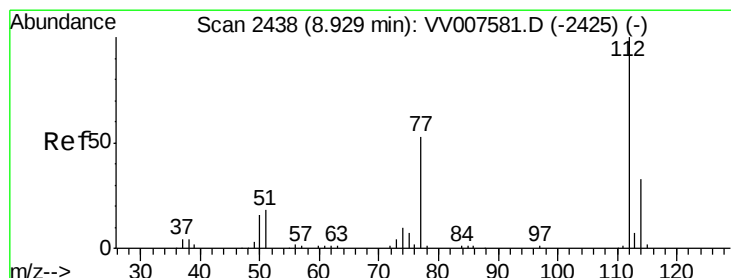
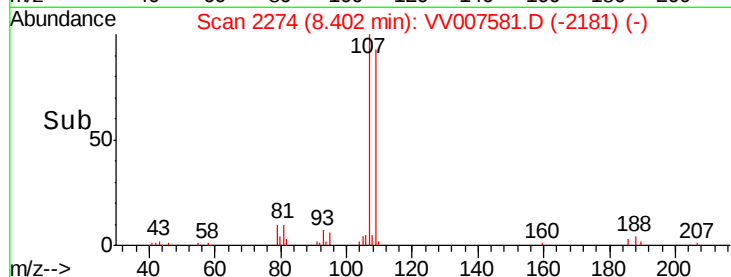
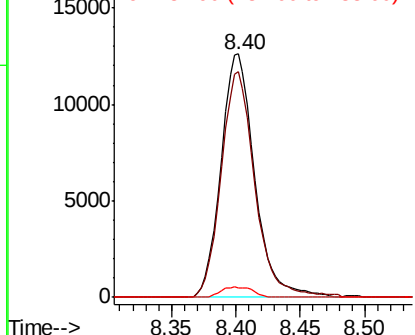
#50
1,2-Dibromoethane
Concen: 5.346 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VV007581.D
Acq: 17 Sep 2018 10:02

Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

Tgt Ion:107 Resp: 22866
Ion Ratio Lower Upper
107 100
109 92.7 66.0 122.6
188 4.1 3.3 4.9

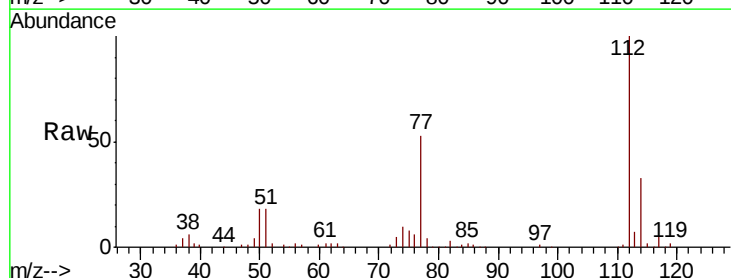


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

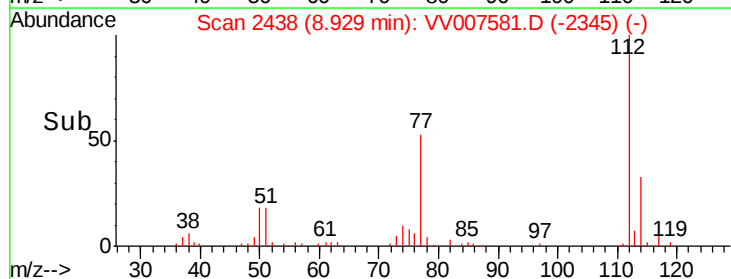
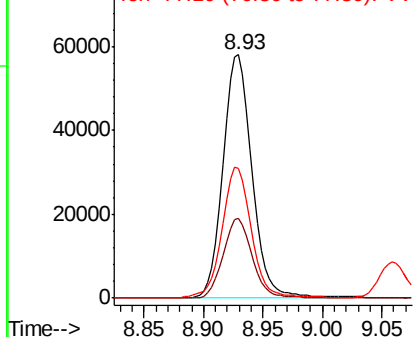


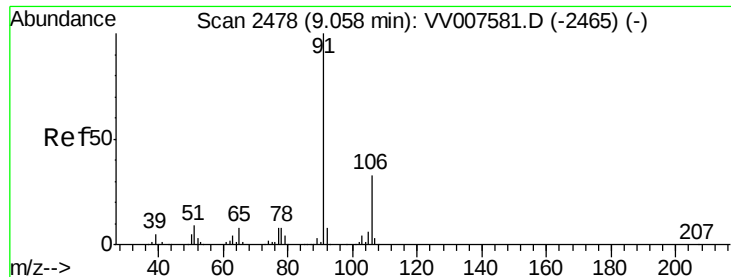
#51
Chlorobenzene
Concen: 5.280 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV007581.D
Acq: 17 Sep 2018 10:02

Tgt Ion:112 Resp: 98205
Ion Ratio Lower Upper
112 100
114 32.6 22.8 42.4
77 53.4 43.2 64.8



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

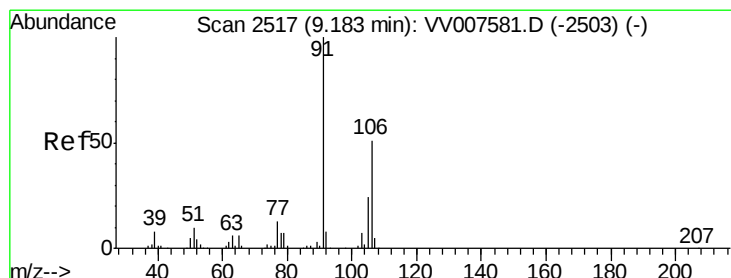
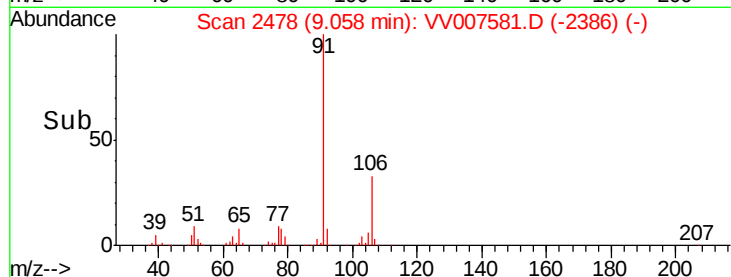
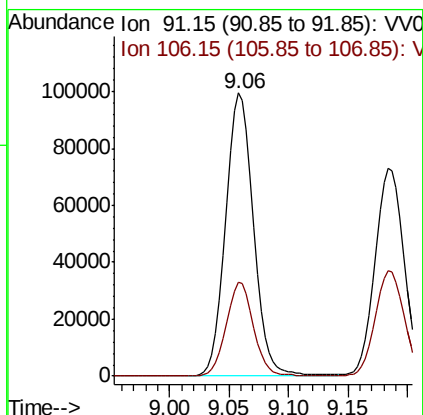
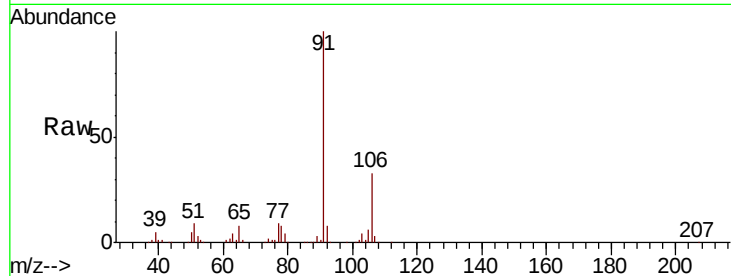




#52
Ethylbenzene
Concen: 5.198 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. -0.00 min
Lab File: VV007581.D
Acq: 17 Sep 2018 10:02

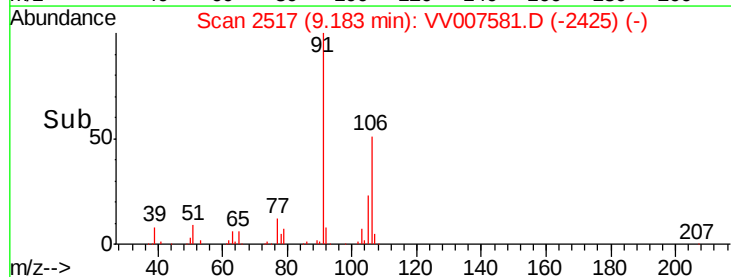
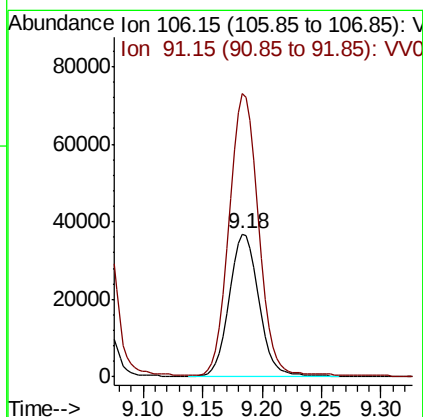
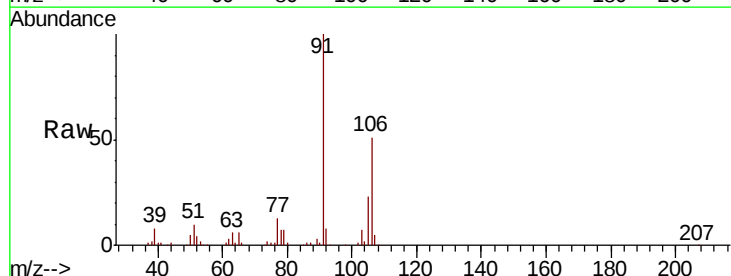
Instrument :
MSVOA_V
ClientSampled :
VSTD00565

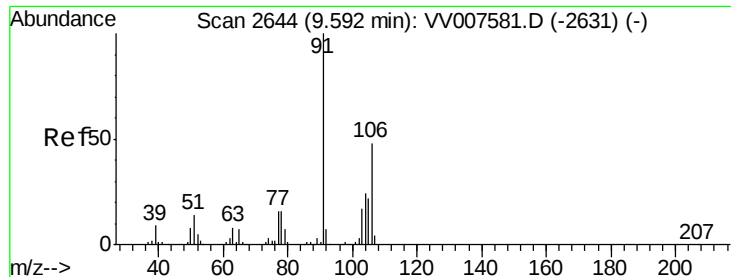
Tgt Ion: 91 Resp: 161933
Ion Ratio Lower Upper
91 100
106 33.0 22.0 41.0



#53
m,p-xylene
Concen: 5.248 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. -0.00 min
Lab File: VV007581.D
Acq: 17 Sep 2018 10:02

Tgt Ion: 106 Resp: 63341
Ion Ratio Lower Upper
106 100
91 197.9 137.2 254.8

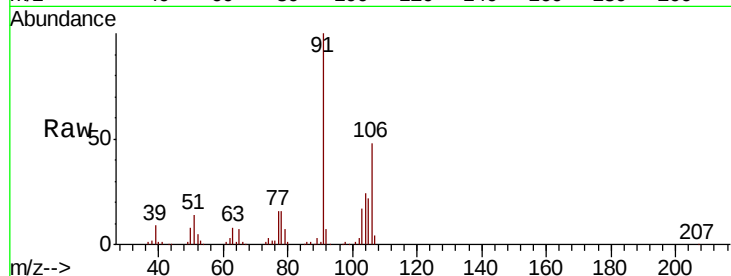




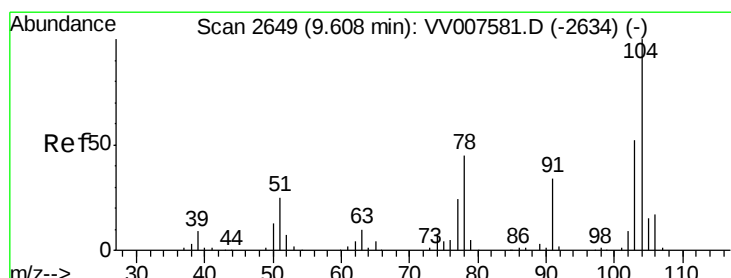
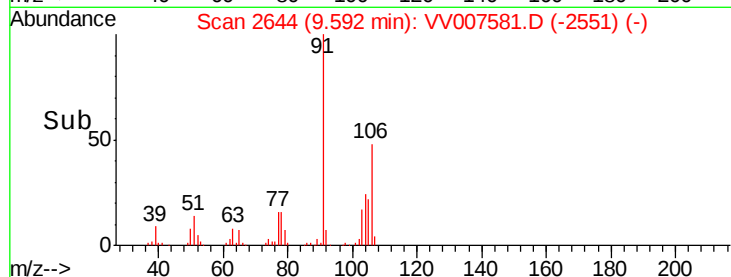
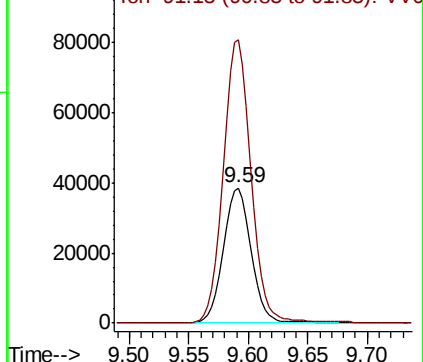
#54
o-xylene
Concen: 5.282 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VV007581.D
Acq: 17 Sep 2018 10:02

Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

Tgt Ion:106 Resp: 62429
Ion Ratio Lower Upper
106 100
91 209.8 147.6 274.0

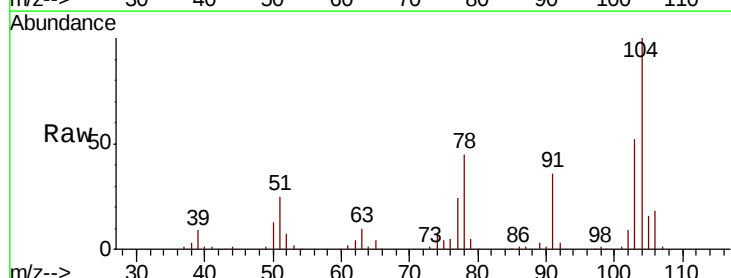


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

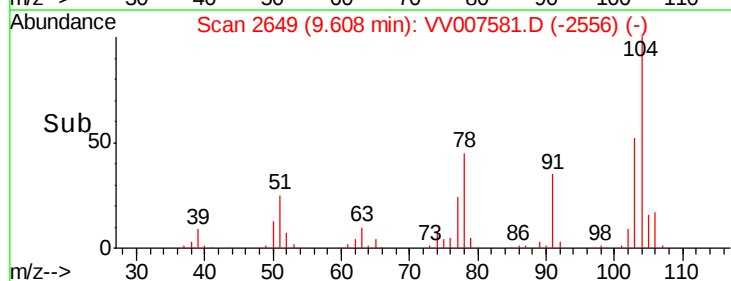
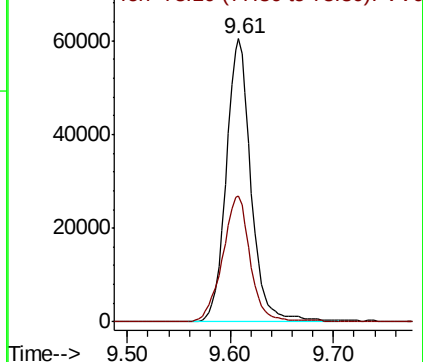


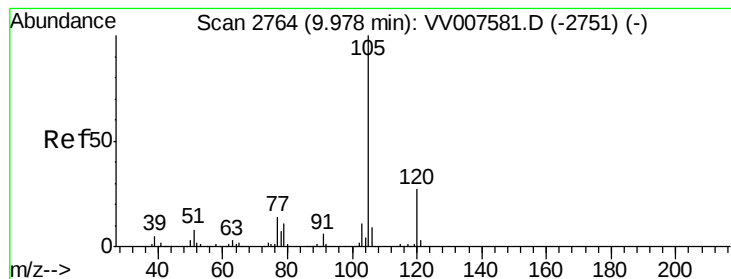
#55
Styrene
Concen: 5.271 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV007581.D
Acq: 17 Sep 2018 10:02

Tgt Ion:104 Resp: 101473
Ion Ratio Lower Upper
104 100
78 44.7 29.5 54.7



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.378 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV007581.D

Acq: 17 Sep 2018 10:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

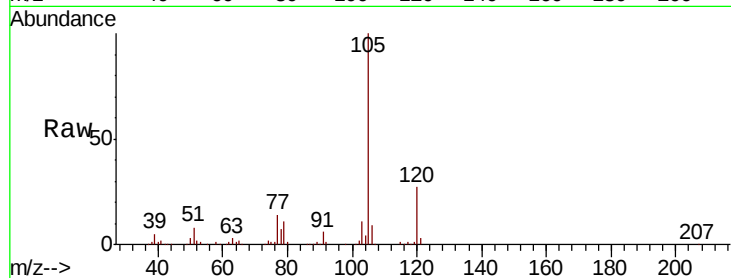
Tgt Ion:105 Resp: 172580

Ion Ratio Lower Upper

105 100

120 27.2 22.2 33.2

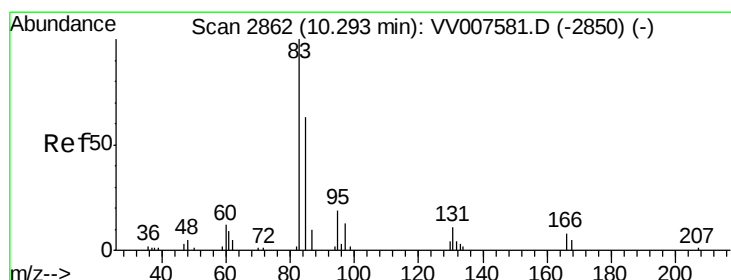
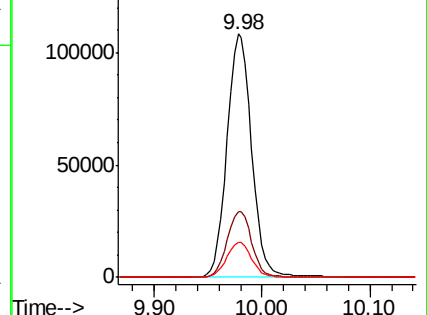
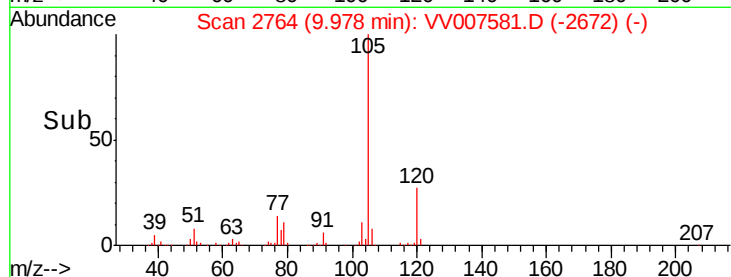
77 14.7 12.2 18.4



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: 4.856 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV007581.D

Acq: 17 Sep 2018 10:02

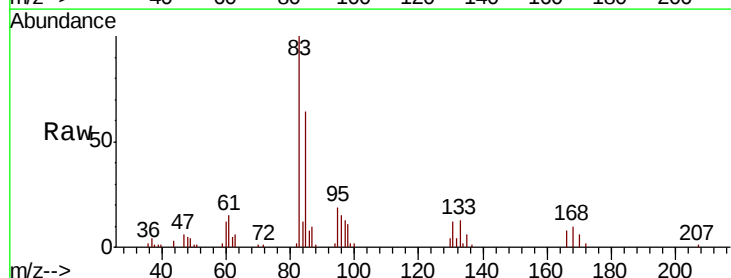
Tgt Ion: 83 Resp: 20953

Ion Ratio Lower Upper

83 100

85 64.4 43.6 81.0

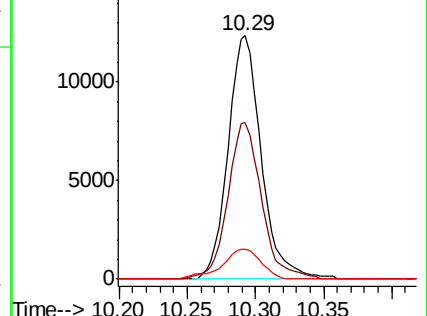
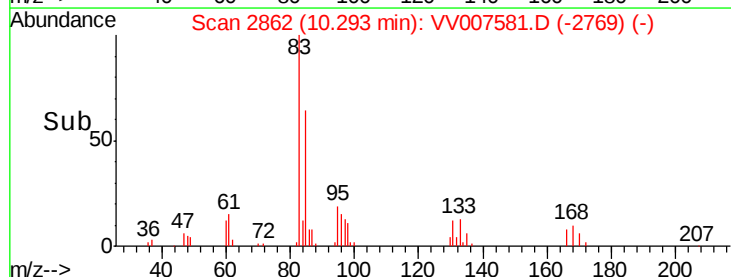
131 12.4 9.2 13.8

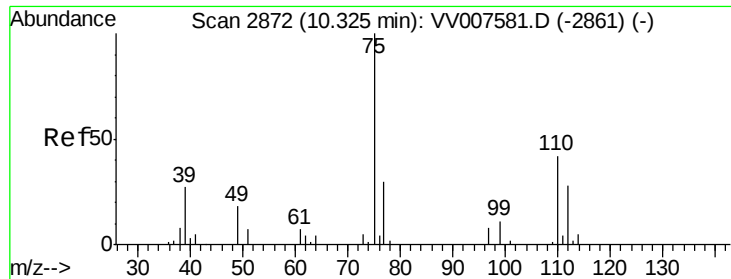


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.332 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VV007581.D

Acq: 17 Sep 2018 10:02

Instrument :

MSVOA_V

ClientSampleId :

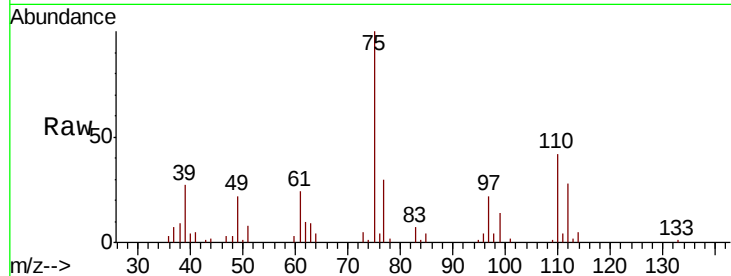
VSTD00565

Tgt Ion: 75 Resp: 19231

Ion Ratio Lower Upper

75 100

77 31.9 25.0 37.6



Abundance Ion 75.00 (74.70 to 75.70): VV007581.D (-2861) (-)

Ion 77.00 (76.70 to 77.70): VV007581.D (-2861) (-)

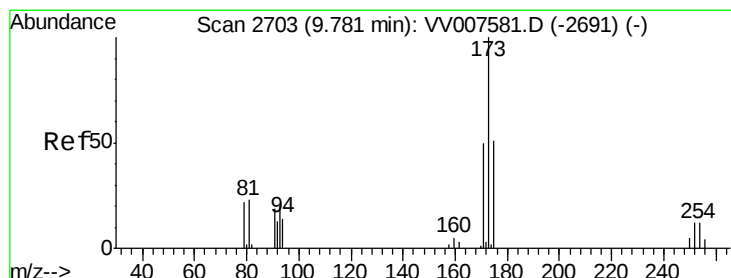
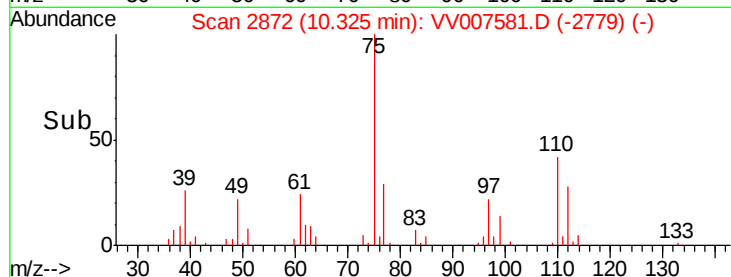
10.32

10000

5000

0

Time-->



#61

Bromoform

Concen: 5.273 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VV007581.D

Acq: 17 Sep 2018 10:02

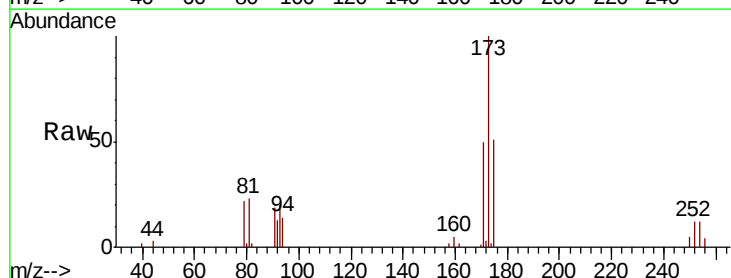
Tgt Ion: 173 Resp: 19117

Ion Ratio Lower Upper

173 100

175 49.7 37.9 56.9

254 11.2 8.8 13.2



Abundance Ion 172.90 (172.60 to 173.60): VV007581.D (-2691) (-)

Ion 174.90 (174.60 to 175.60): VV007581.D (-2691) (-)

Ion 253.75 (253.45 to 254.45): VV007581.D (-2691) (-)

9.78

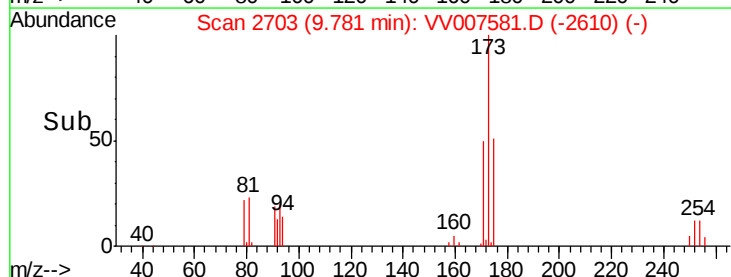
15000

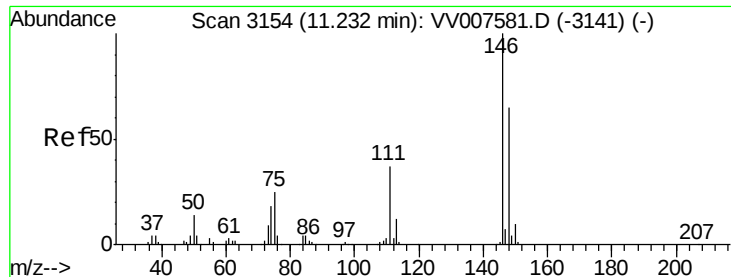
10000

5000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 5.365 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV007581.D

Acq: 17 Sep 2018 10:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

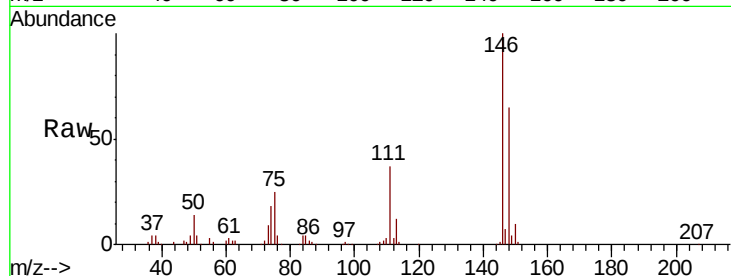
Tgt Ion:146 Resp: 82769

Ion Ratio Lower Upper

146 100

111 36.7 25.3 47.1

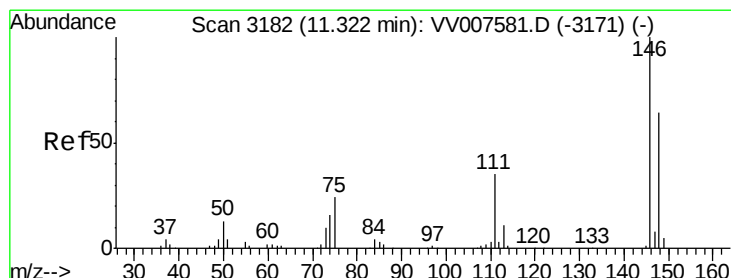
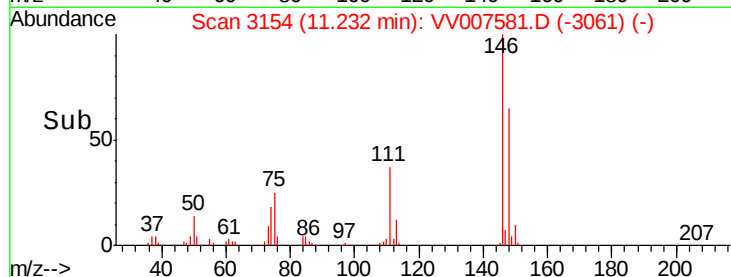
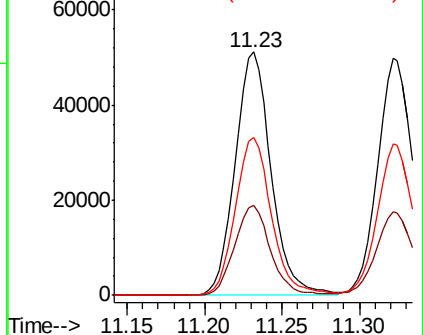
148 64.8 44.6 82.8



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



#63

1,4-Dichlorobenzene

Concen: 5.337 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV007581.D

Acq: 17 Sep 2018 10:02

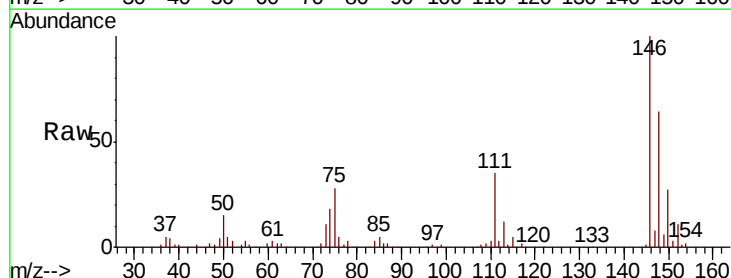
Tgt Ion:146 Resp: 82328

Ion Ratio Lower Upper

146 100

111 35.3 24.5 45.5

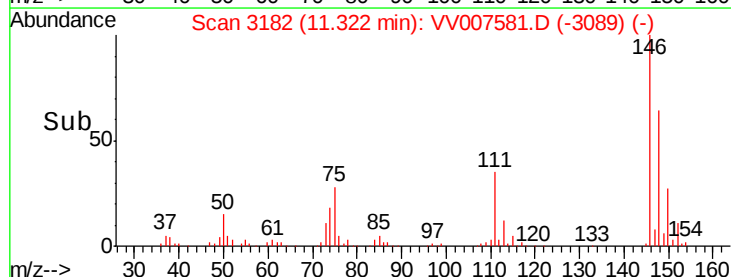
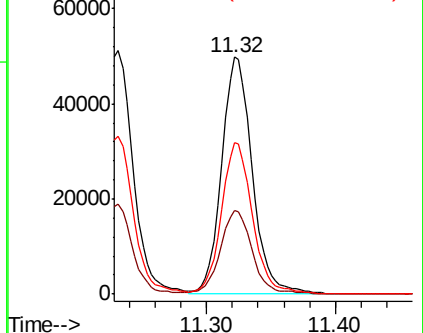
148 63.9 45.1 83.9

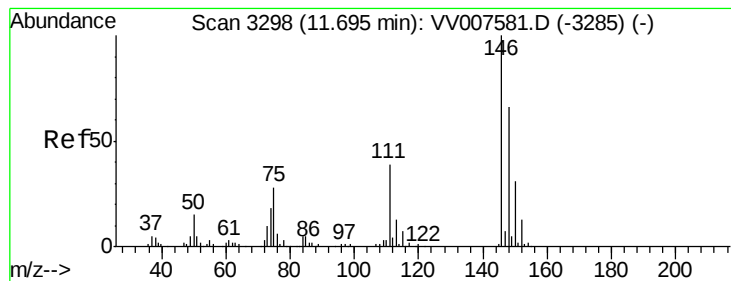


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.438 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV007581.D

Acq: 17 Sep 2018 10:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

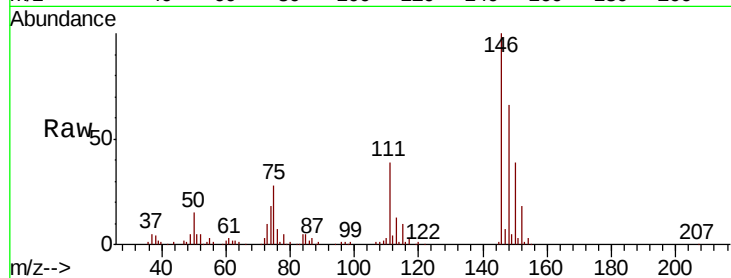
Tgt Ion:146 Resp: 78089

Ion Ratio Lower Upper

146 100

111 38.7 32.7 49.1

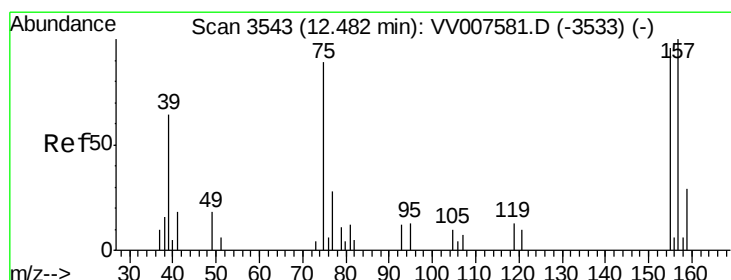
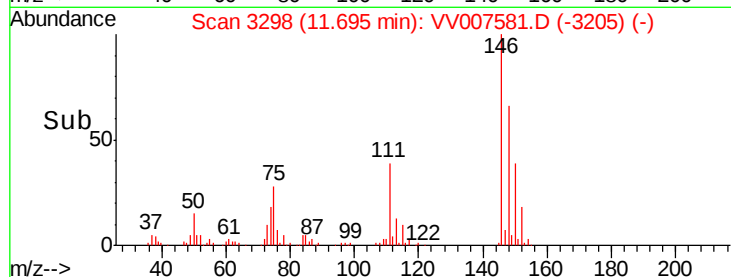
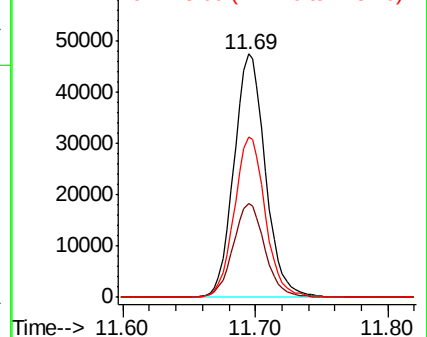
148 65.9 53.0 79.6



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: 5.125 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. 0.00 min

Lab File: VV007581.D

Acq: 17 Sep 2018 10:02

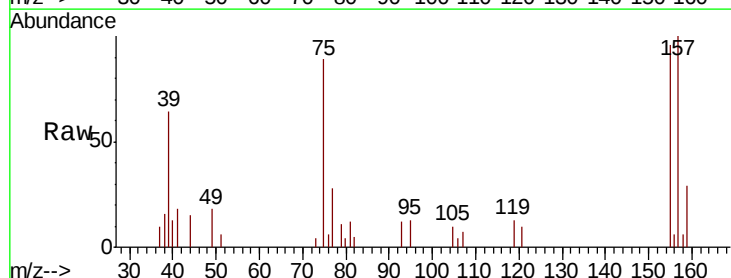
Tgt Ion: 75 Resp: 3786

Ion Ratio Lower Upper

75 100

155 108.1 74.6 111.8

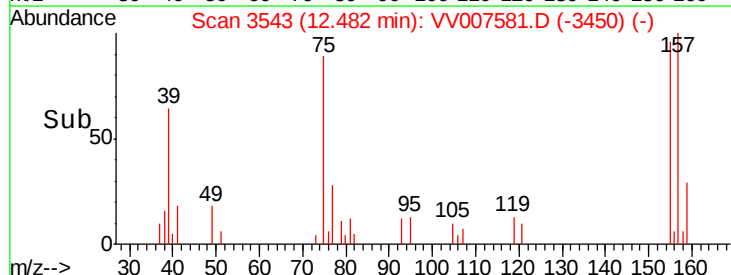
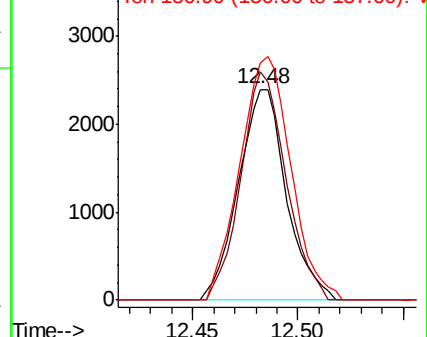
157 112.6 97.4 146.2

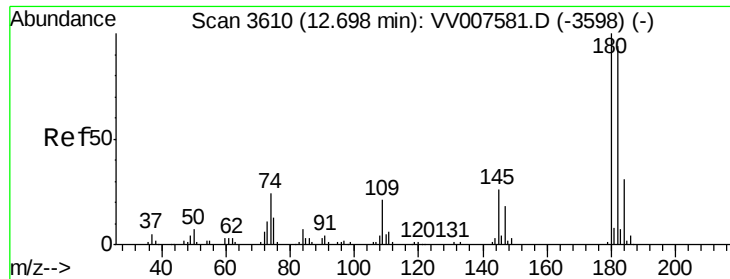


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

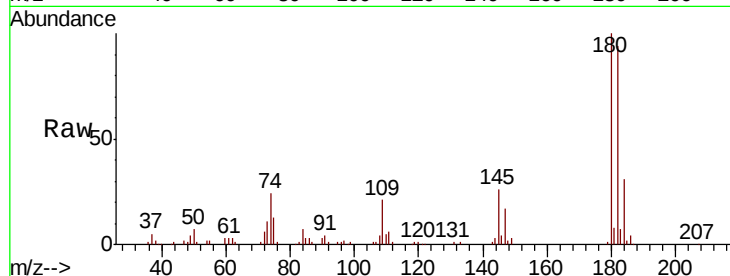




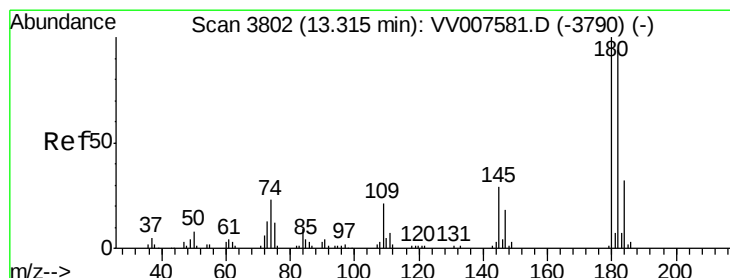
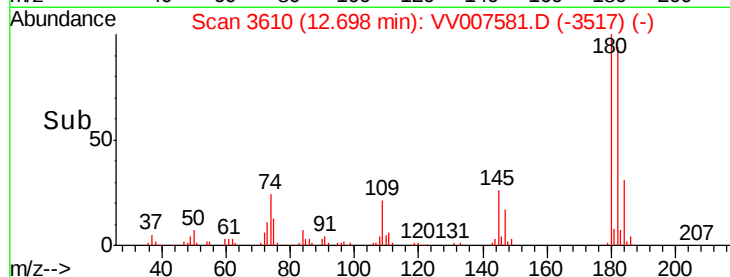
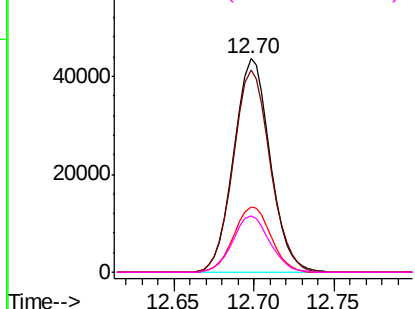
#67
 1,3,5-Trichlorobenzene
 Concen: 5.604 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV007581.D
 Acq: 17 Sep 2018 10:02

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

Tgt Ion:180 Resp: 67483
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.1 114.1
 184 31.5 24.0 36.0
 145 26.9 22.6 34.0

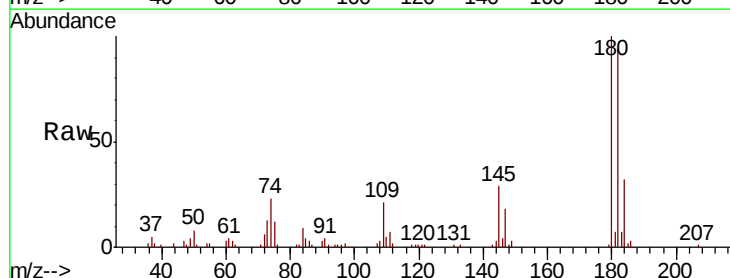


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

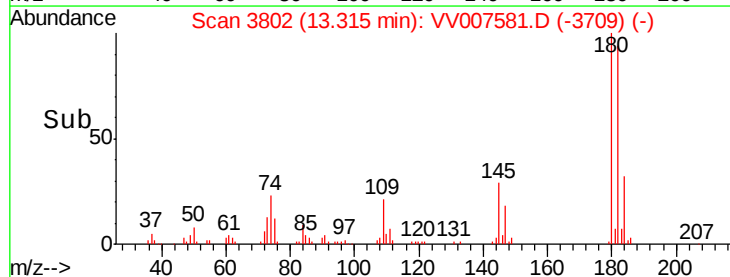
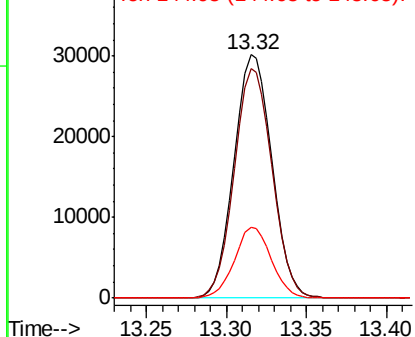


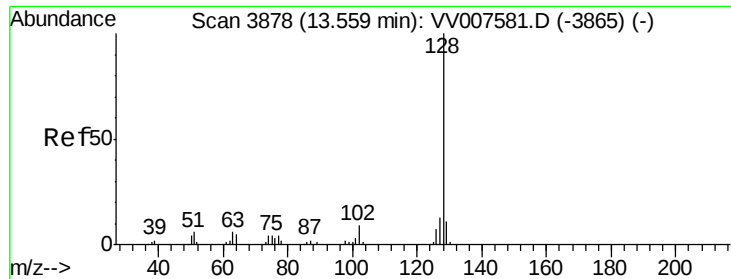
#68
 1,2,4-trichlorobenzene
 Concen: 5.595 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV007581.D
 Acq: 17 Sep 2018 10:02

Tgt Ion:180 Resp: 48519
 Ion Ratio Lower Upper
 180 100
 182 94.2 77.8 116.8
 145 28.1 22.5 33.7



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: 5.215 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.00 min

Lab File: VV007581.D

Acq: 17 Sep 2018 10:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

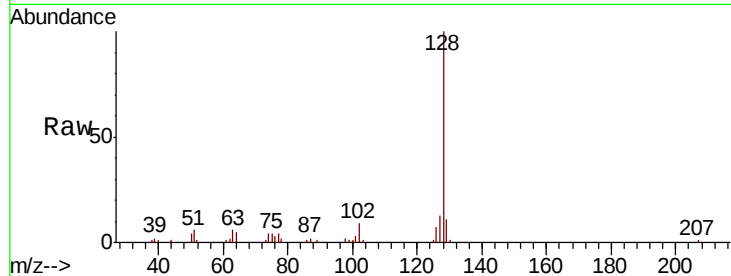
Tgt Ion:128 Resp: 54745

Ion Ratio Lower Upper

128 100

129 11.2 8.5 12.7

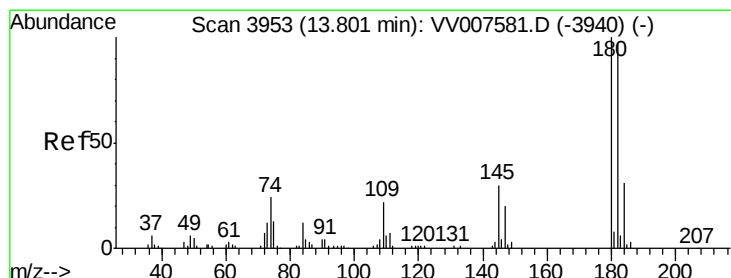
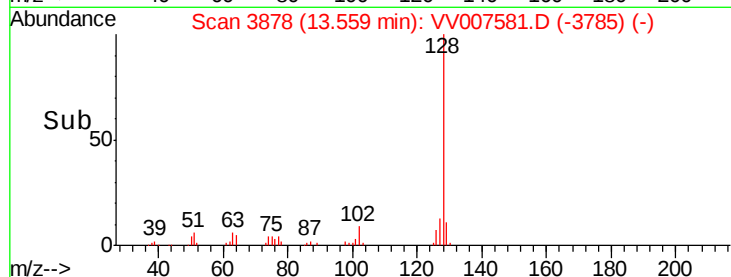
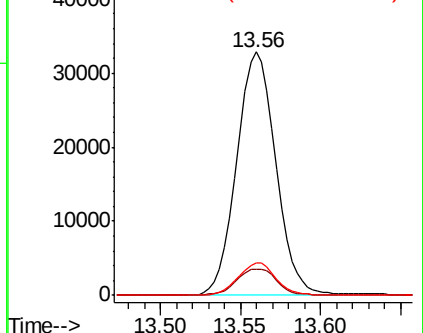
127 12.9 10.5 15.7



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: 5.549 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. 0.00 min

Lab File: VV007581.D

Acq: 17 Sep 2018 10:02

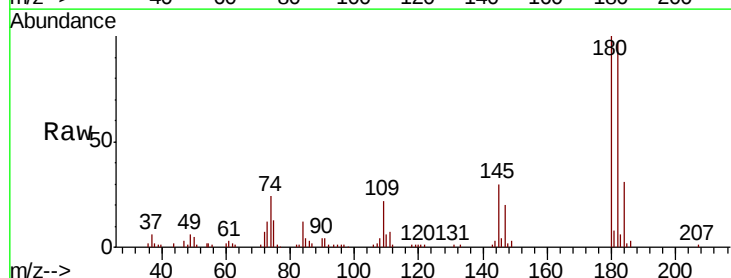
Tgt Ion:180 Resp: 43873

Ion Ratio Lower Upper

180 100

182 95.5 75.5 113.3

145 30.8 23.4 35.0



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

