

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV083118\
 Data File : VV007335.D
 Acq On : 01 Sep 2018 05:46
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

Quant Time: Sep 01 06:34:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM083118WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 01 01:00:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	630856	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	611487	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	288356	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	186892	49.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.04%
7) Chloroethane-d5	1.58	69	123606	51.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.98%
11) 1,1-Dichloroethene-d2	2.13	63	347343	49.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.14%
21) 2-Butanone-d5	3.97	46	288173	93.47	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.47%
24) Chloroform-d	4.41	84	400137	48.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.30%
26) 1,2-Dichloroethane-d4	5.09	65	240817	48.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.46%
32) Benzene-d6	5.10	84	805099	48.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.98%
36) 1,2-Dichloropropane-d6	6.12	67	262051	48.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.20%
41) Toluene-d8	7.36	98	752212	51.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.38%
43) trans-1,3-Dichloropropene-	7.67	79	108055	44.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.92%
47) 2-Hexanone-d5	8.15	63	184401	90.84	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.84%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	357687	48.20	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	278542	48.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.16%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	245524	49.530 ug/L	# 87
3) Chloromethane	1.26	50	258740	47.542 ug/L	100
5) Vinyl chloride	1.32	62	253651	49.608 ug/L	99
6) Bromomethane	1.54	94	135330	54.804 ug/L	100
8) Chloroethane	1.60	64	122451	52.639 ug/L	98
9) Trichlorofluoromethane	1.76	101	325525	50.114 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	201188	49.467 ug/L	99
12) 1,1-Dichloroethene	2.14	96	189497	49.918 ug/L	99
13) Acetone	2.21	43	177344	66.723 ug/L	99
14) Carbon disulfide	2.32	76	541339	47.415 ug/L	100
15) Methyl Acetate	2.47	43	214224	49.907 ug/L	98
16) Methylene chloride	2.54	84	220189	49.497 ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	204986	49.714 ug/L	99
18) Methyl tert-butyl Ether	2.82	73	632518	50.094 ug/L	99
19) 1,1-Dichloroethane	3.23	63	418223	50.158 ug/L	99
20) cis-1,2-Dichloroethene	3.97	96	233292	49.145 ug/L	98
22) 2-Butanone	4.05	43	328291	88.681 ug/L	99

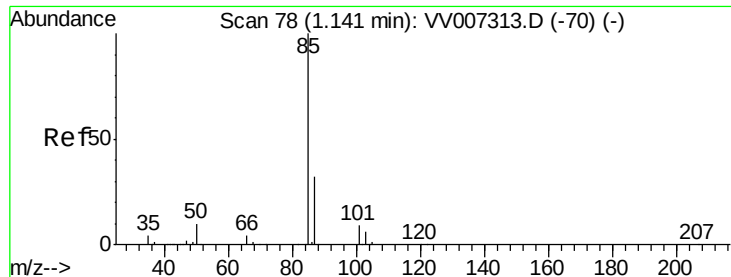
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV083118\
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 QLast Update : Sat Sep 01 01:00:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	122377	49.709	ug/L	94
25) Chloroform	4.44	83	417615	50.897	ug/L	98
27) 1,2-Dichloroethane	5.19	62	309221	50.658	ug/L	100
29) Cyclohexane	4.73	56	335210	50.753	ug/L	100
30) 1,1,1-Trichloroethane	4.67	97	350028	50.293	ug/L	99
31) Carbon tetrachloride	4.88	117	299342	49.831	ug/L	99
33) Benzene	5.15	78	950541	51.320	ug/L	100
34) Trichloroethene	5.96	95	222041	49.479	ug/L	97
35) Methylcyclohexane	6.18	83	356740	50.282	ug/L	100
37) 1,2-Dichloropropane	6.23	63	256468	51.293	ug/L	99
38) Bromodichloromethane	6.56	83	300893	49.091	ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	319768	45.859	ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	597332	104.773	ug/L	99
42) Toluene	7.44	91	965144	52.767	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	304810	47.063	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	232000	49.837	ug/L	99
46) Tetrachloroethene	8.02	164	183651	48.817	ug/L	98
48) 2-Hexanone	8.20	43	467328	101.249	ug/L	99
49) Dibromochloromethane	8.30	129	240618	49.242	ug/L	100
50) 1,2-Dibromoethane	8.40	107	233050	50.141	ug/L	99
51) Chlorobenzene	8.93	112	613138	49.900	ug/L	99
52) Ethylbenzene	9.06	91	983834	52.008	ug/L	100
53) m,p-Xylene	9.19	106	386571	54.130	ug/L	97
54) o-xylene	9.59	106	364646	52.595	ug/L	99
55) Styrene	9.61	104	672489	55.706	ug/L	99
56) Isopropylbenzene	9.98	105	938819	53.332	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	368811	49.114	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	298917	50.375	ug/L	99
61) Bromoform	9.78	173	172781	48.624	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	415492	48.876	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	462167	50.155	ug/L	100
65) 1,2-Dichlorobenzene	11.70	146	474588	51.122	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	71525	47.490	ug/L	96
67) 1,3,5-Trichlorobenzene	12.70	180	321092	48.832	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	250225	47.645	ug/L	98
69) Naphthalene	13.56	128	724198	49.449	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	289054	50.719	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 49.530 ug/L

RT: 1.14 min Scan# 78

Delta R.T. -0.00 min

Lab File: VV007335.D

Acq: 01 Sep 2018 05:46

Instrument :

MSVOA_V

ClientSampleId :

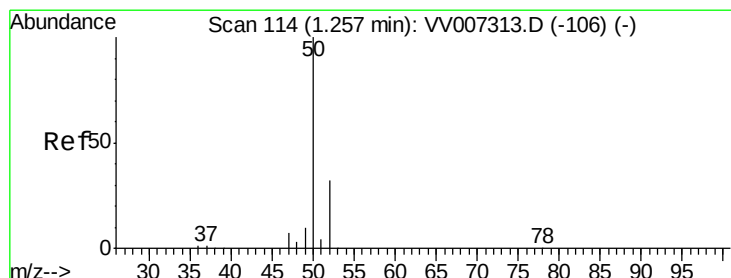
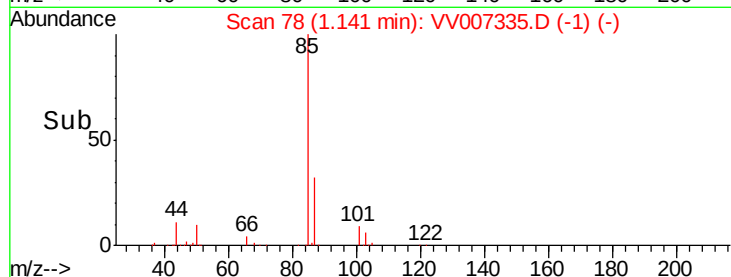
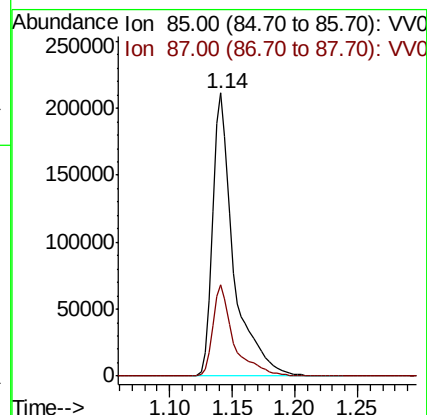
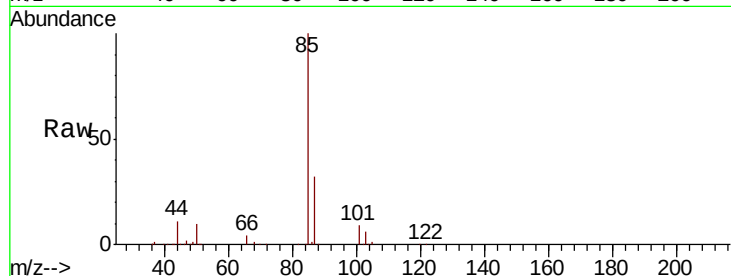
VSTD05079

Tgt Ion: 85 Resp: 245524

Ion Ratio Lower Upper

85 100

87 32.0 20.3 30.5#



#3

Chloromethane

Concen: 47.542 ug/L

RT: 1.26 min Scan# 114

Delta R.T. -0.00 min

Lab File: VV007335.D

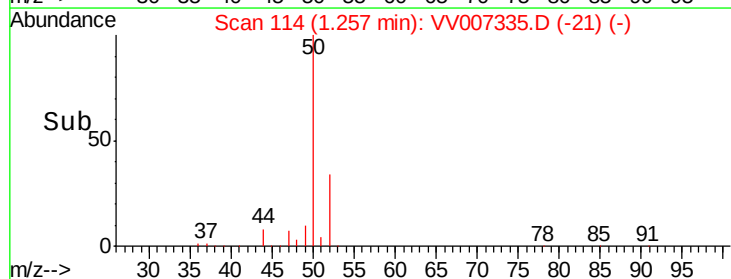
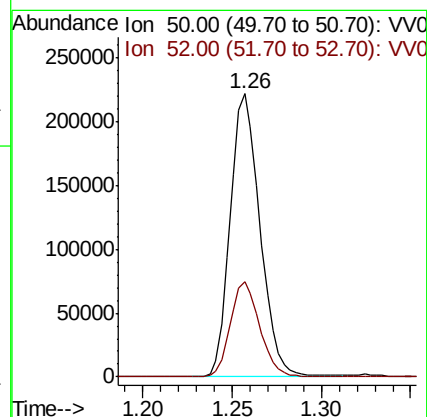
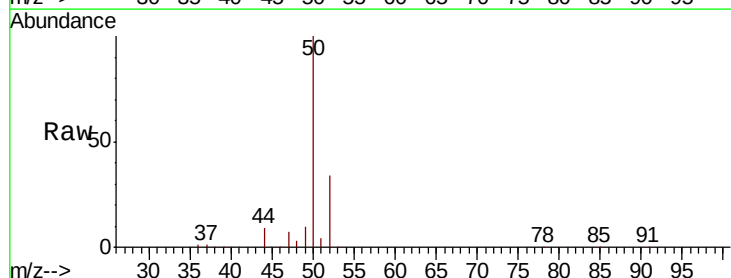
Acq: 01 Sep 2018 05:46

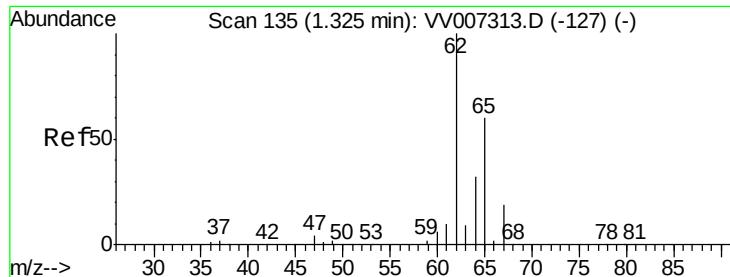
Tgt Ion: 50 Resp: 258740

Ion Ratio Lower Upper

50 100

52 33.6 23.6 43.8





#5

Vinyl chloride

Concen: 49.608 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV007335.D

Acq: 01 Sep 2018 05:46

Instrument :

MSVOA_V

ClientSampleId :

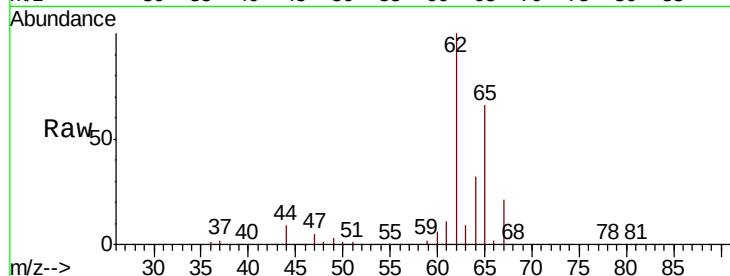
VSTD05079

Tgt Ion: 62 Resp: 253651

Ion Ratio Lower Upper

62 100

64 32.3 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

200000

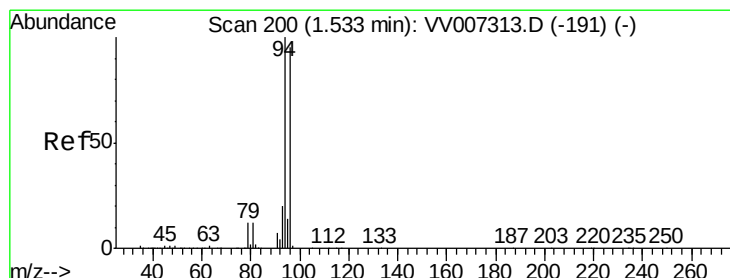
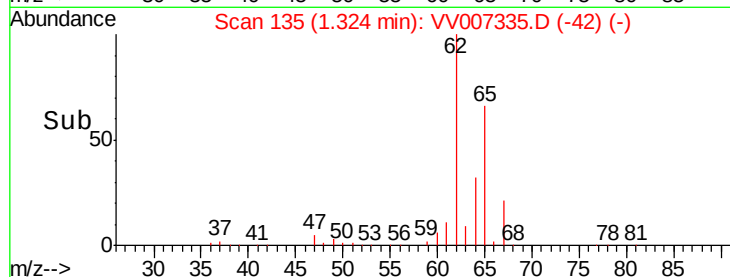
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 54.804 ug/L

RT: 1.54 min Scan# 201

Delta R.T. 0.00 min

Lab File: VV007335.D

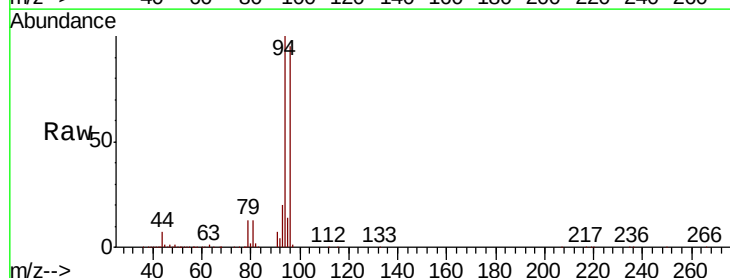
Acq: 01 Sep 2018 05:46

Tgt Ion: 94 Resp: 135330

Ion Ratio Lower Upper

94 100

96 94.7 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

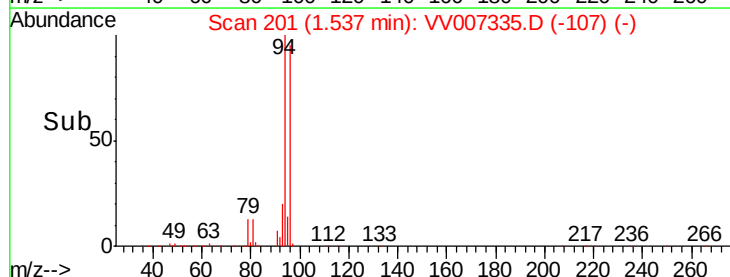
1.54

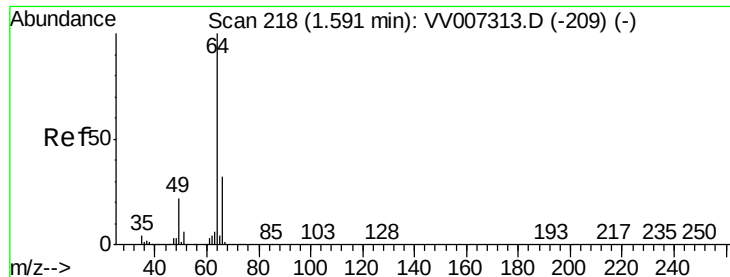
100000

50000

0

Time--> 1.50 1.55 1.60

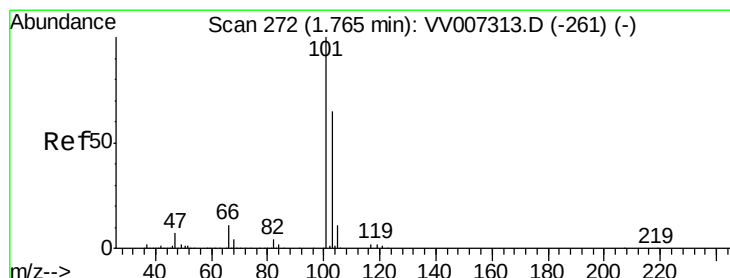
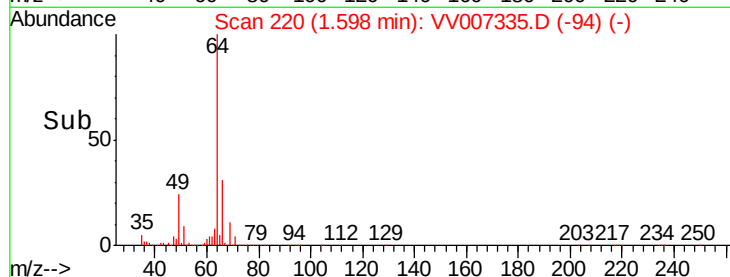
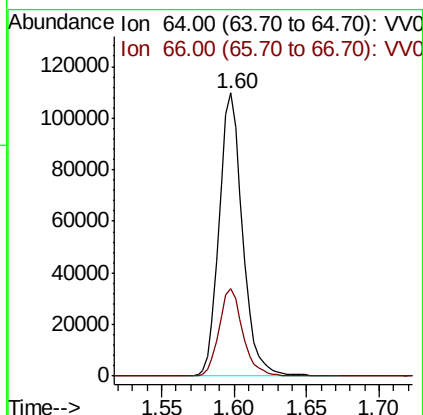
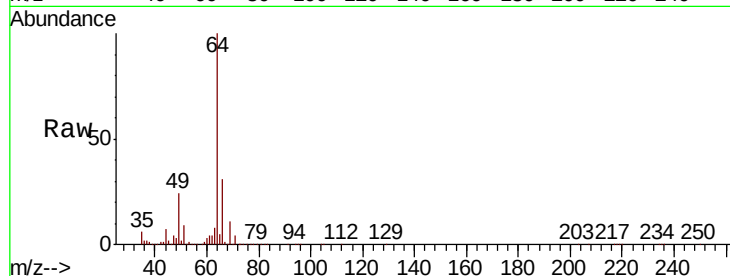




#8
Chloroethane
Concen: 52.639 ug/L
RT: 1.60 min Scan# 220
Delta R.T. 0.01 min
Lab File: VV007335.D
Acq: 01 Sep 2018 05:46

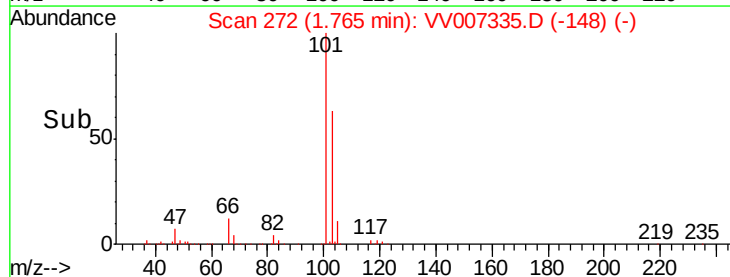
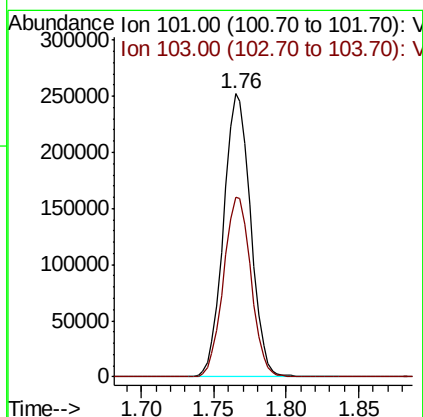
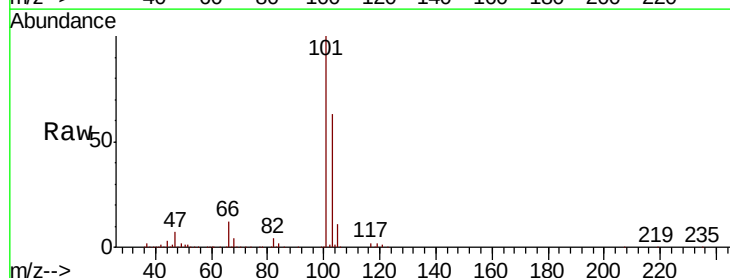
Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

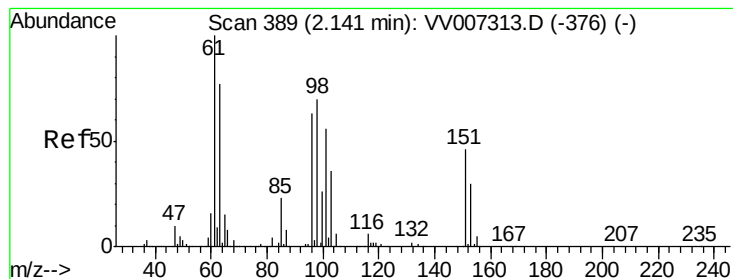
Tgt Ion: 64 Resp: 122451
Ion Ratio Lower Upper
64 100
66 30.8 22.3 41.3



#9
Trichlorofluoromethane
Concen: 50.114 ug/L
RT: 1.76 min Scan# 272
Delta R.T. -0.00 min
Lab File: VV007335.D
Acq: 01 Sep 2018 05:46

Tgt Ion: 101 Resp: 325525
Ion Ratio Lower Upper
101 100
103 64.6 52.3 78.5





#10

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

Concen: 49.467 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV007335.D

Acq: 01 Sep 2018 05:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

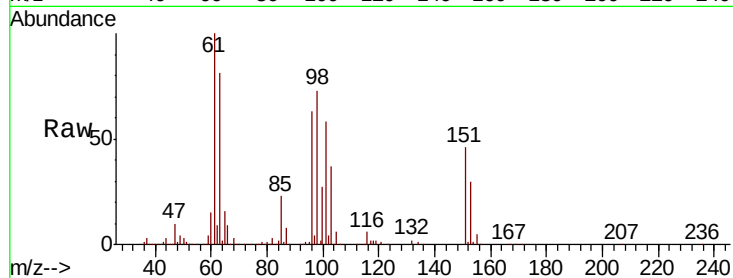
Tgt Ion: 101 Resp: 201188

Ion Ratio Lower Upper

101 100

85 40.1 32.8 49.2

151 80.4 64.8 97.2

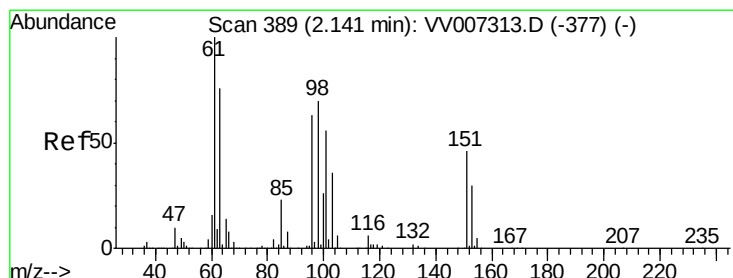
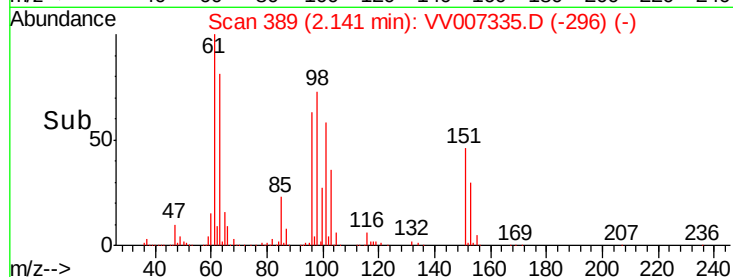
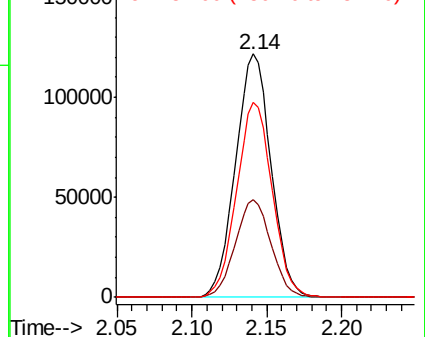


Abundance

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: 49.918 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV007335.D

Acq: 01 Sep 2018 05:46

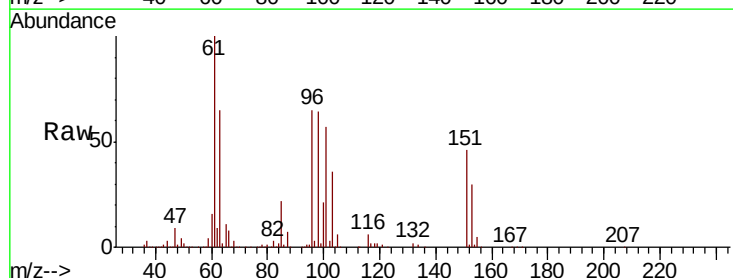
Tgt Ion: 96 Resp: 189497

Ion Ratio Lower Upper

96 100

61 152.8 106.3 197.5

63 99.1 71.0 131.8

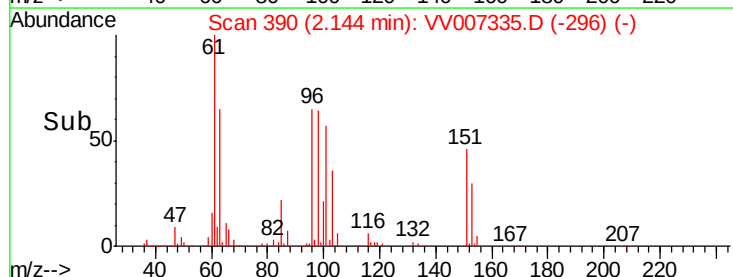
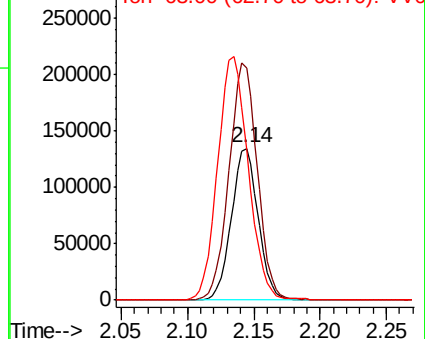


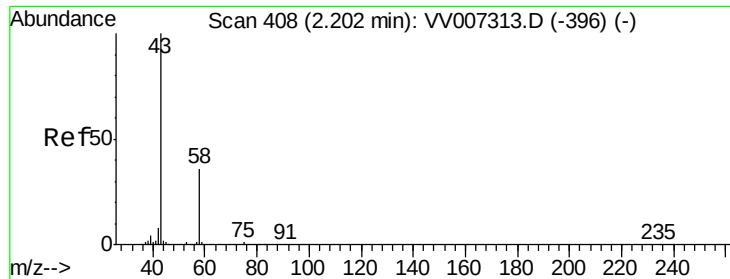
Abundance

Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

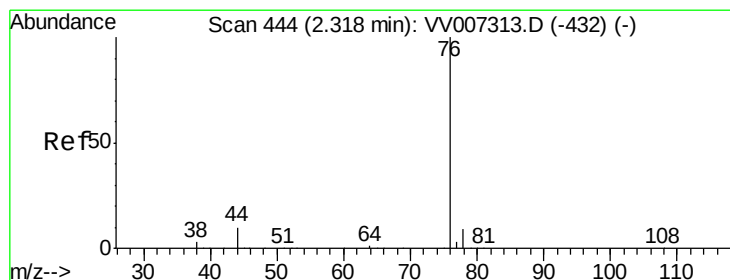
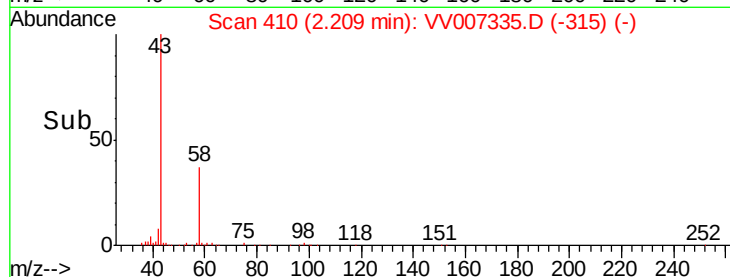
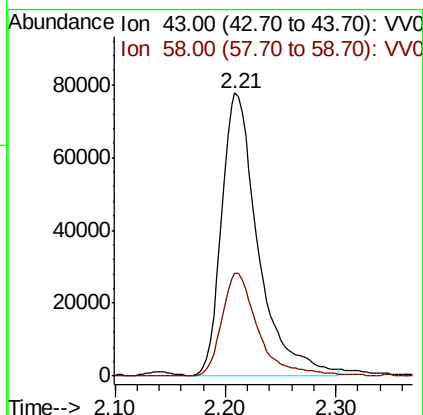
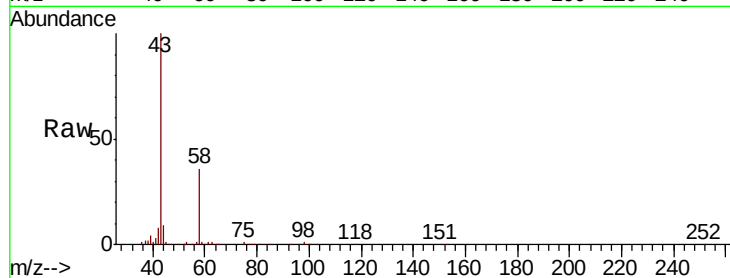




#13
Acetone
Concen: 66.723 ug/L
RT: 2.21 min Scan# 410
Delta R.T. 0.01 min
Lab File: VV007335.D
Acq: 01 Sep 2018 05:46

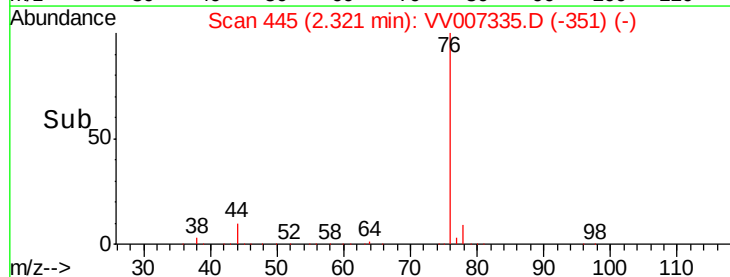
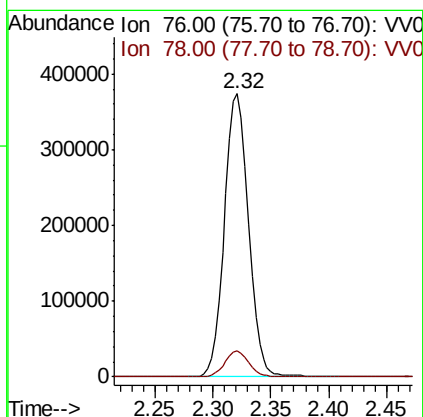
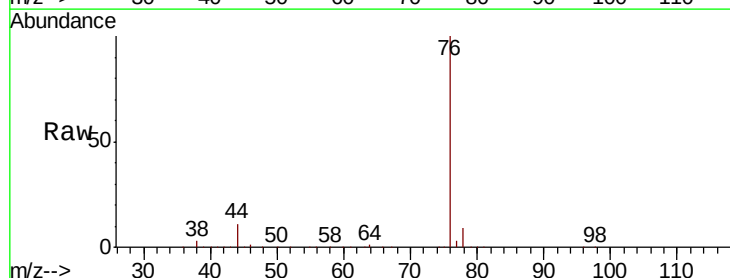
Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

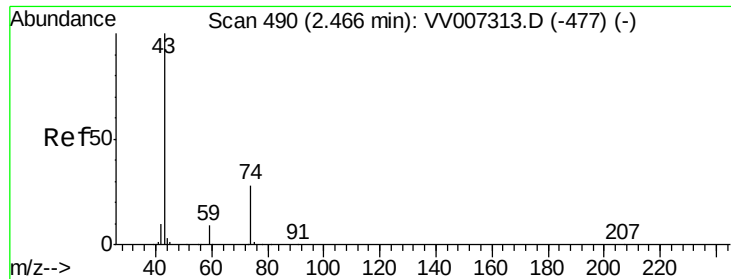
Tgt Ion: 43 Resp: 177344
Ion Ratio Lower Upper
43 100
58 36.6 0.0 72.2



#14
Carbon disulfide
Concen: 47.415 ug/L
RT: 2.32 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV007335.D
Acq: 01 Sep 2018 05:46

Tgt Ion: 76 Resp: 541339
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

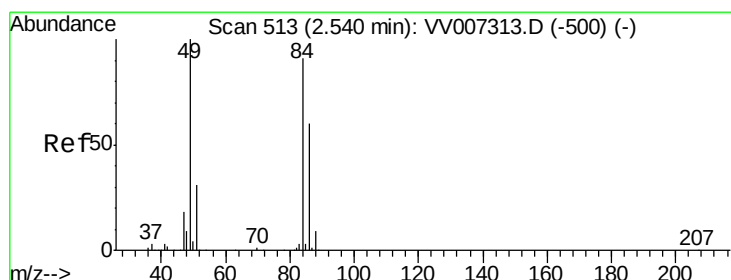
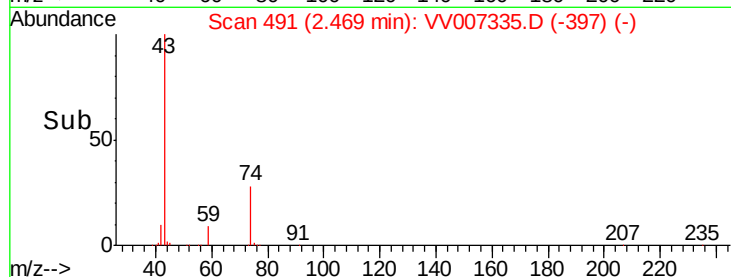
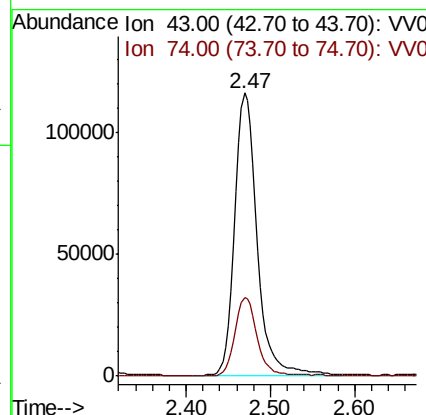
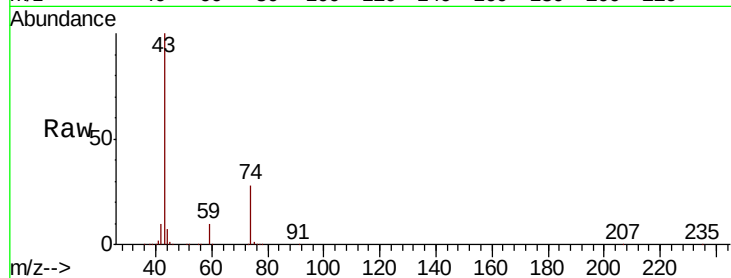




#15
Methyl Acetate
Concen: 49.907 ug/L
RT: 2.47 min Scan# 491
Delta R.T. 0.00 min
Lab File: VV007335.D
Acq: 01 Sep 2018 05:46

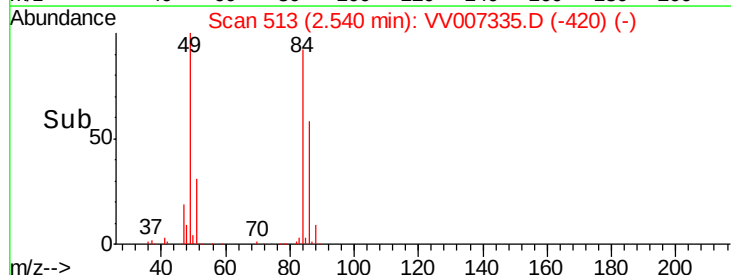
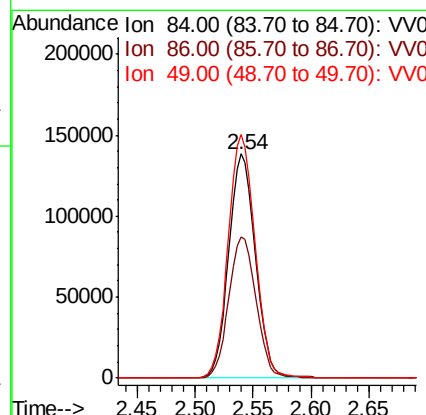
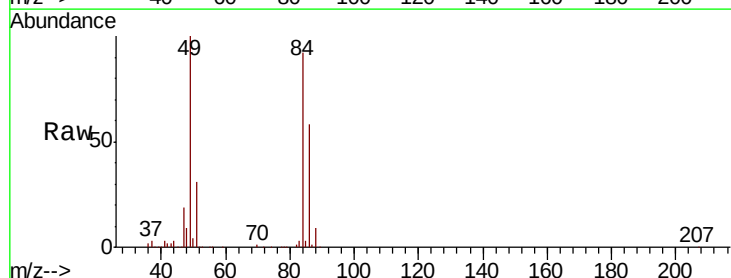
Instrument :
MSVOA_V
ClientSampled :
VSTD05079

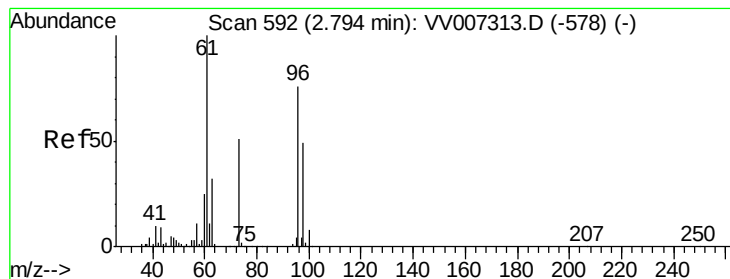
Tgt Ion: 43 Resp: 214224
Ion Ratio Lower Upper
43 100
74 27.8 21.4 32.2



#16
Methylene chloride
Concen: 49.497 ug/L
RT: 2.54 min Scan# 513
Delta R.T. -0.00 min
Lab File: VV007335.D
Acq: 01 Sep 2018 05:46

Tgt Ion: 84 Resp: 220189
Ion Ratio Lower Upper
84 100
86 63.2 44.9 83.3
49 108.8 77.0 143.0





#17

trans-1,2-Dichloroethene

Concen: 49.714 ug/L

RT: 2.79 min Scan# 592

Delta R.T. -0.00 min

Lab File: VV007335.D

Acq: 01 Sep 2018 05:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

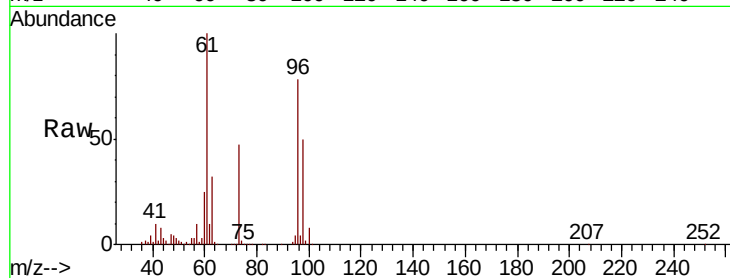
Tgt Ion: 96 Resp: 204986

Ion Ratio Lower Upper

96 100

61 128.8 90.4 167.8

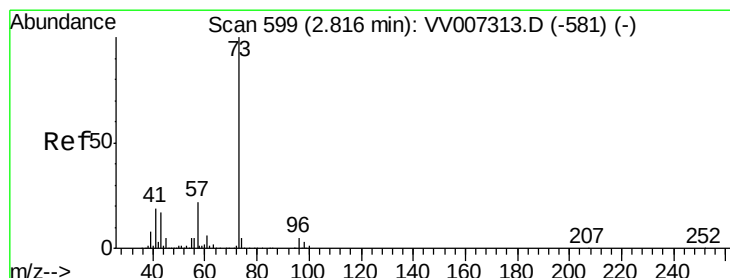
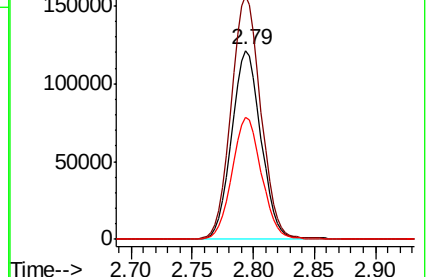
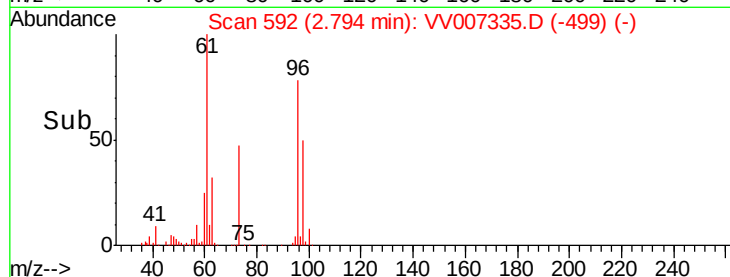
98 64.3 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 50.094 ug/L

RT: 2.82 min Scan# 599

Delta R.T. -0.00 min

Lab File: VV007335.D

Acq: 01 Sep 2018 05:46

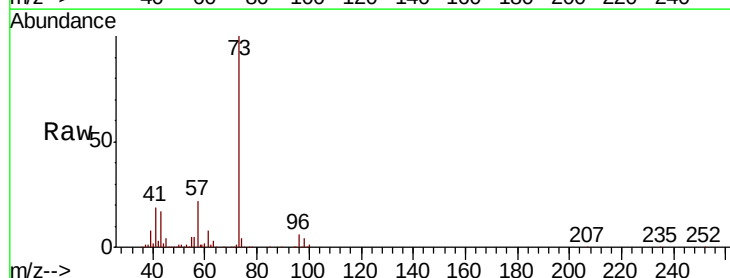
Tgt Ion: 73 Resp: 632518

Ion Ratio Lower Upper

73 100

43 17.3 13.4 20.2

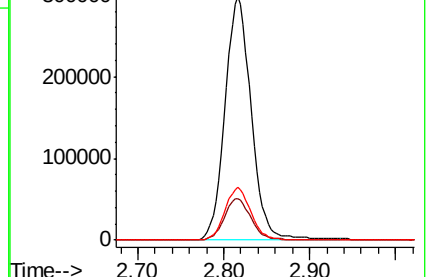
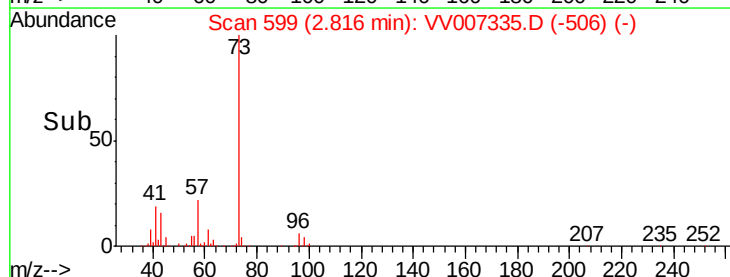
57 21.3 16.8 25.2

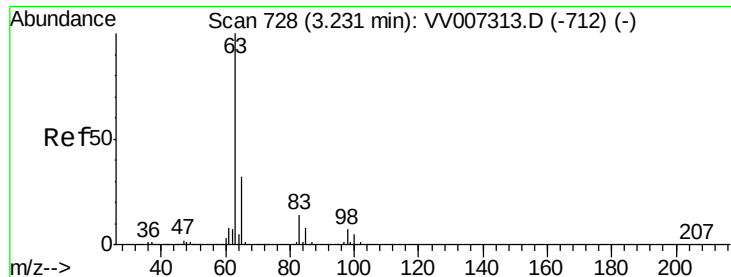


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

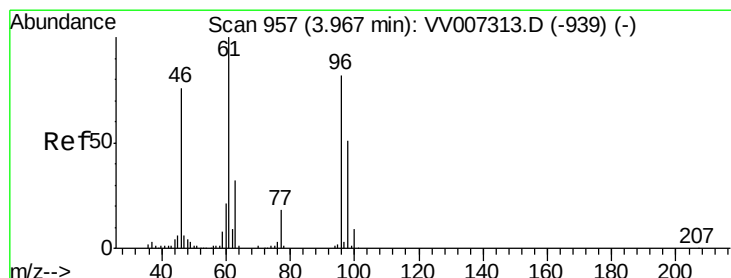
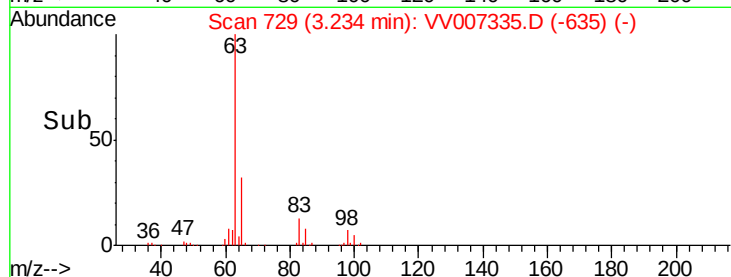
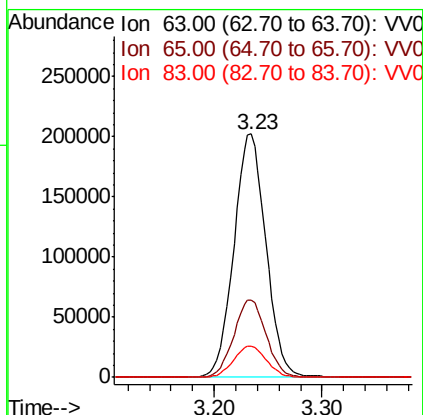
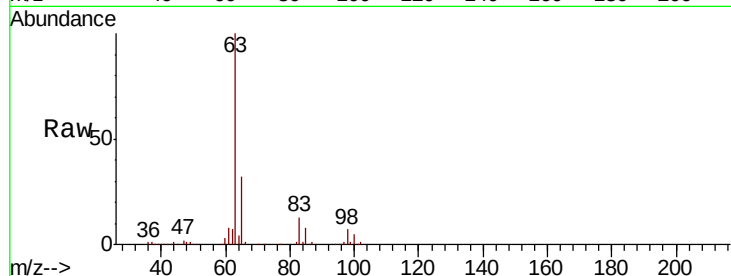




#19
 1,1-Dichloroethane
 Concen: 50.158 ug/L
 RT: 3.23 min Scan# 729
 Delta R.T. 0.00 min
 Lab File: VV007335.D
 Acq: 01 Sep 2018 05:46

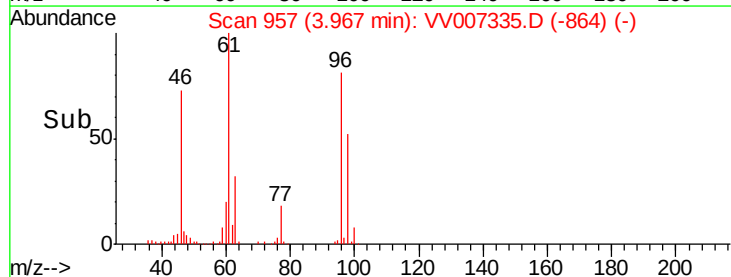
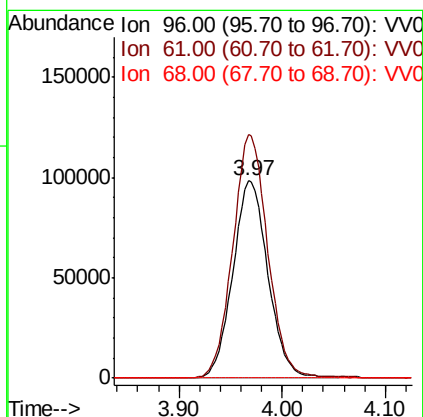
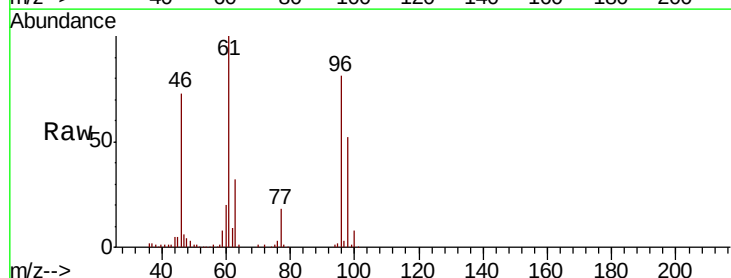
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05079

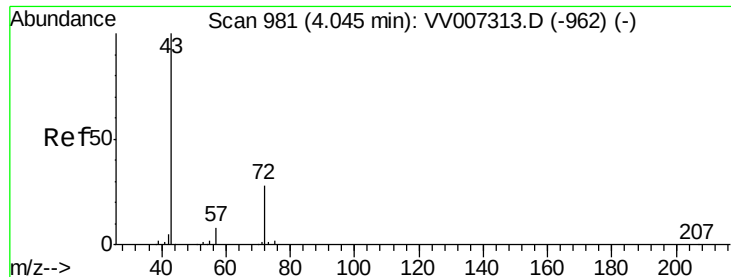
Tgt Ion: 63 Resp: 418223
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.0 41.0
 83 12.8 8.8 16.4



#20
 cis-1,2-Dichloroethene
 Concen: 49.145 ug/L
 RT: 3.97 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VV007335.D
 Acq: 01 Sep 2018 05:46

Tgt Ion: 96 Resp: 233292
 Ion Ratio Lower Upper
 96 100
 61 123.5 88.4 164.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 88.681 ug/L

RT: 4.05 min Scan# 983

Delta R.T. 0.01 min

Lab File: VV007335.D

Acq: 01 Sep 2018 05:46

Instrument :

MSVOA_V

ClientSampleId :

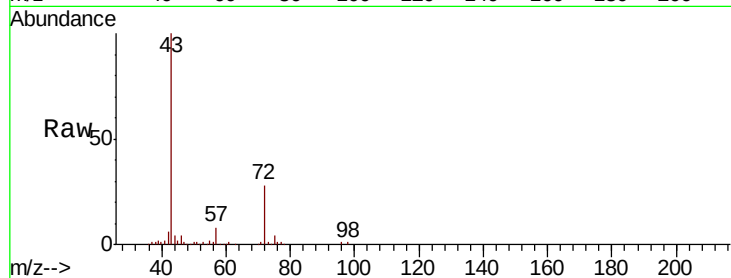
VSTD05079

Tgt Ion: 43 Resp: 328291

Ion Ratio Lower Upper

43 100

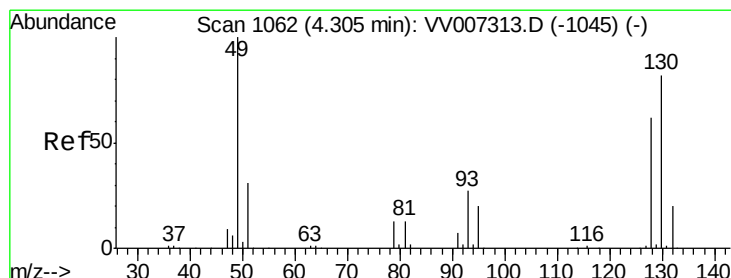
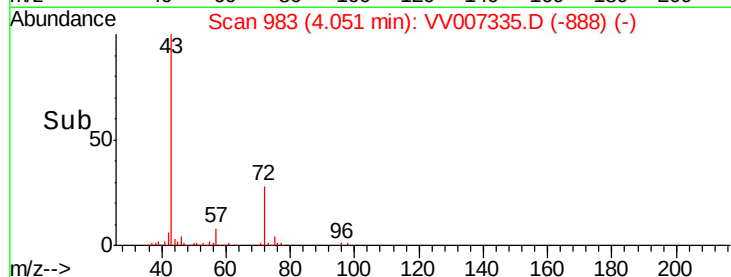
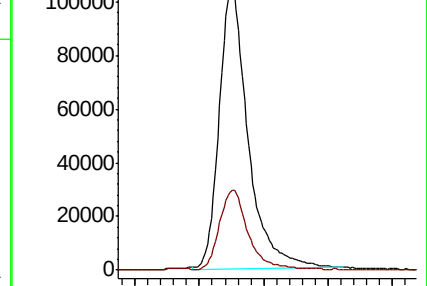
72 28.6 14.1 42.2



Abundance Ion 43.00 (42.70 to 43.70): VV007313.D (-962) (-)

Ion 72.00 (71.70 to 72.70): VV007313.D (-962) (-)

4.05



#23

Bromochloromethane

Concen: 49.709 ug/L

RT: 4.30 min Scan# 1062

Delta R.T. -0.00 min

Lab File: VV007335.D

Acq: 01 Sep 2018 05:46

Tgt Ion: 128 Resp: 122377

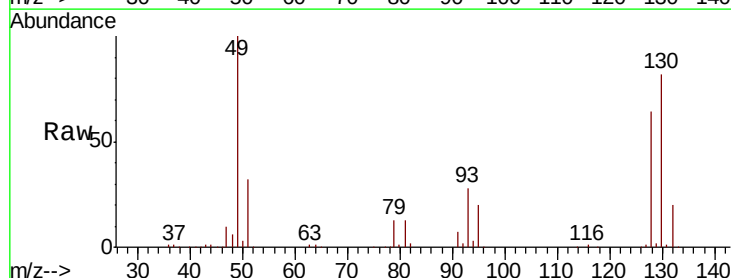
Ion Ratio Lower Upper

128 100

49 156.0 115.6 214.8

130 127.2 93.7 173.9

51 50.1 41.3 61.9

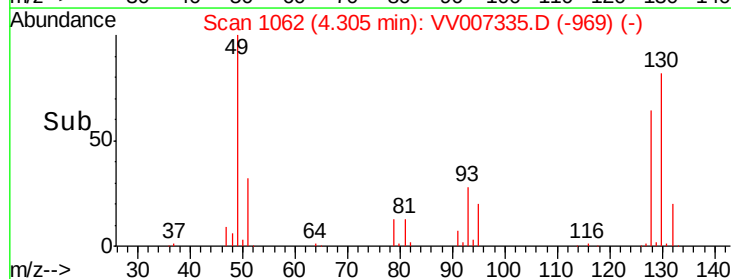
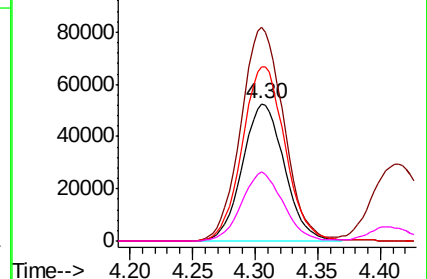


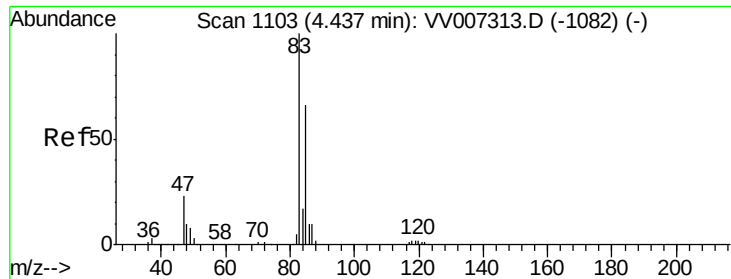
Abundance Ion 128.00 (127.70 to 128.70): VV007313.D (-1045) (-)

Ion 49.00 (48.70 to 49.70): VV007313.D (-1045) (-)

Ion 130.00 (129.70 to 130.70): VV007313.D (-1045) (-)

Ion 51.00 (50.70 to 51.70): VV007313.D (-1045) (-)





#25

Chloroform

Concen: 50.897 ug/L

RT: 4.44 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VV007335.D

Acq: 01 Sep 2018 05:46

Instrument :

MSVOA_V

ClientSampleId :

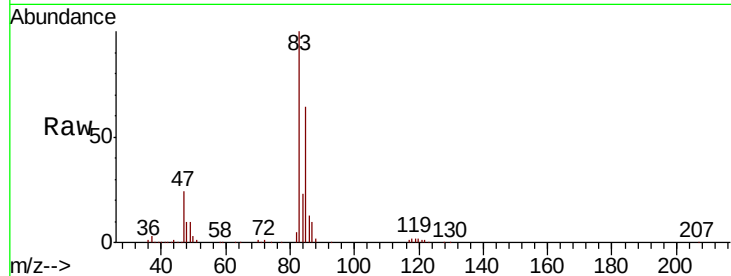
VSTD05079

Tgt Ion: 83 Resp: 417615

Ion Ratio Lower Upper

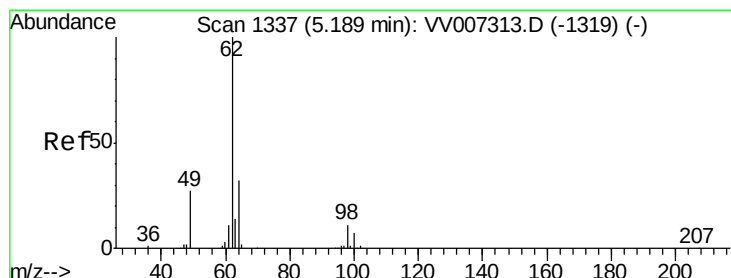
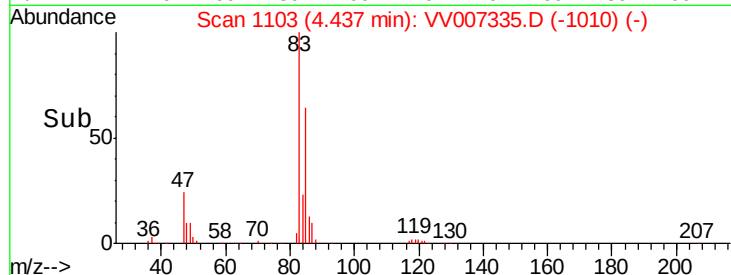
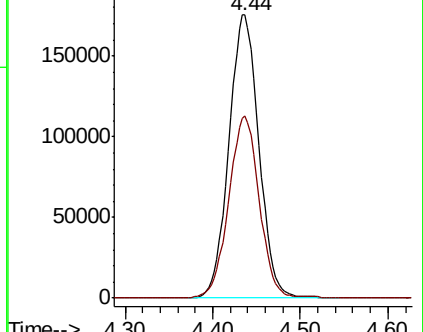
83 100

85 64.4 46.1 85.7



Abundance Ion 83.00 (82.70 to 83.70): VV007335.D (-1010) (-)

Ion 85.00 (84.70 to 85.70): VV007335.D (-1010) (-)



#27

1,2-Dichloroethane

Concen: 50.658 ug/L

RT: 5.19 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VV007335.D

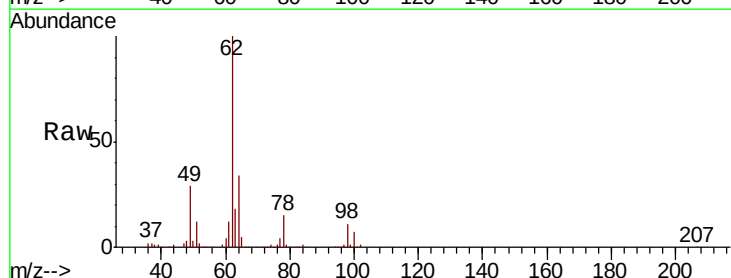
Acq: 01 Sep 2018 05:46

Tgt Ion: 62 Resp: 309221

Ion Ratio Lower Upper

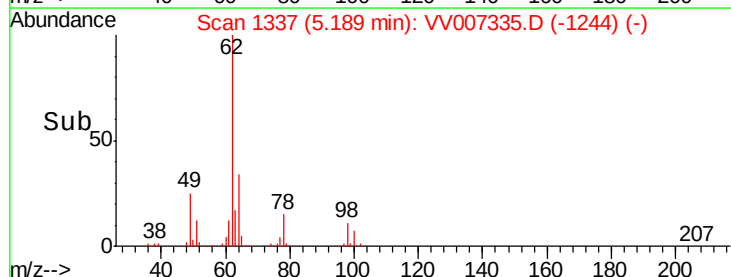
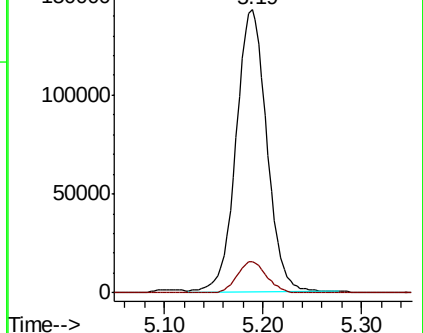
62 100

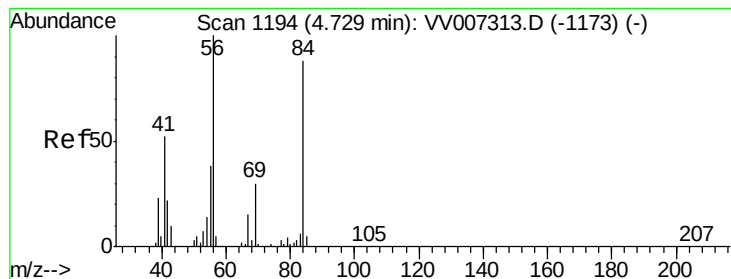
98 11.3 9.1 13.7



Abundance Ion 62.00 (61.70 to 62.70): VV007335.D (-1244) (-)

Ion 98.00 (97.70 to 98.70): VV007335.D (-1244) (-)





#29

Cyclohexane

Concen: 50.753 ug/L

RT: 4.73 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VV007335.D

Acq: 01 Sep 2018 05:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

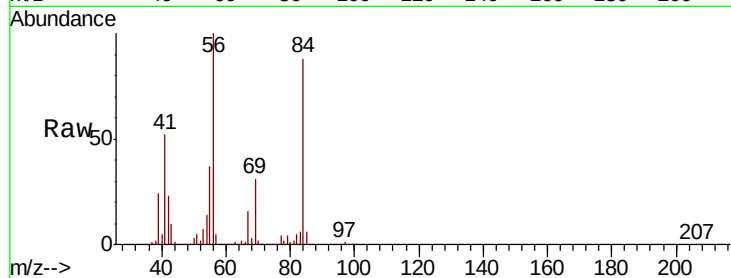
Tgt Ion: 56 Resp: 335210

Ion Ratio Lower Upper

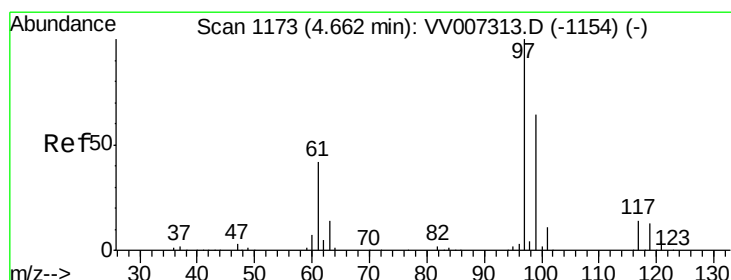
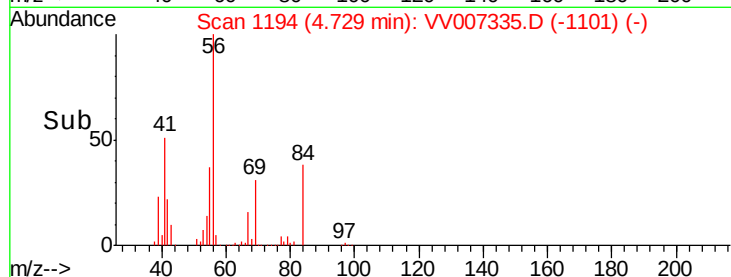
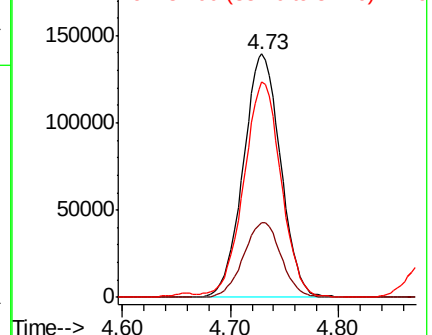
56 100

69 31.1 24.7 37.1

84 88.5 70.8 106.2



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 50.293 ug/L

RT: 4.67 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VV007335.D

Acq: 01 Sep 2018 05:46

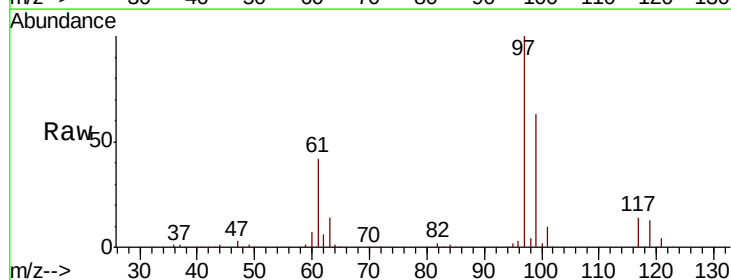
Tgt Ion: 97 Resp: 350028

Ion Ratio Lower Upper

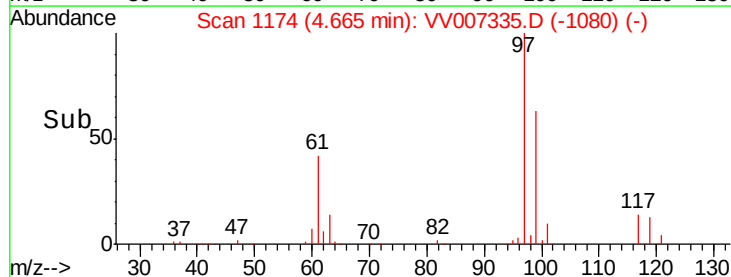
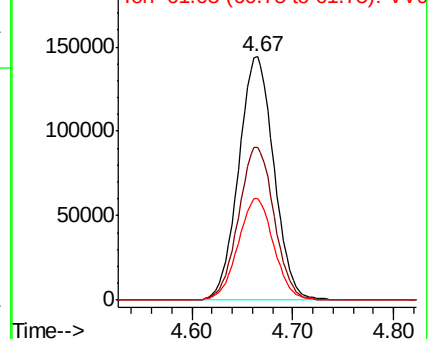
97 100

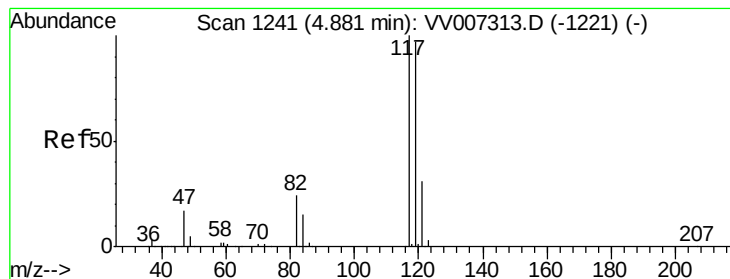
99 63.4 51.4 77.0

61 42.1 34.6 51.8



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 49.831 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VV007335.D

Acq: 01 Sep 2018 05:46

Instrument :

MSVOA_V

ClientSampleId :

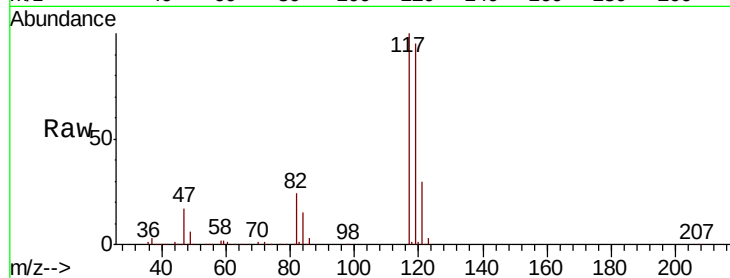
VSTD05079

Tgt Ion:117 Resp: 299342

Ion Ratio Lower Upper

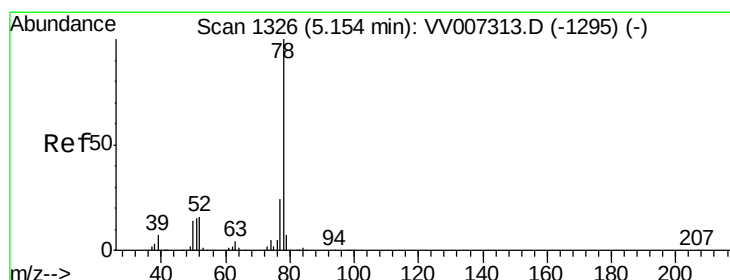
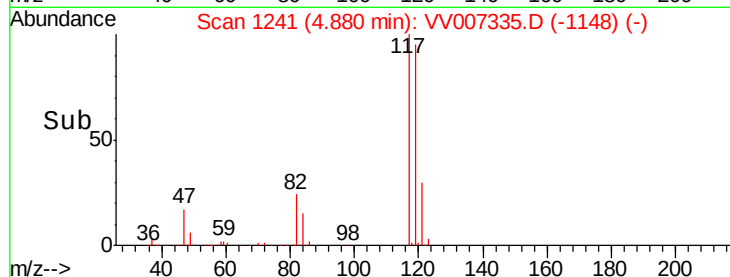
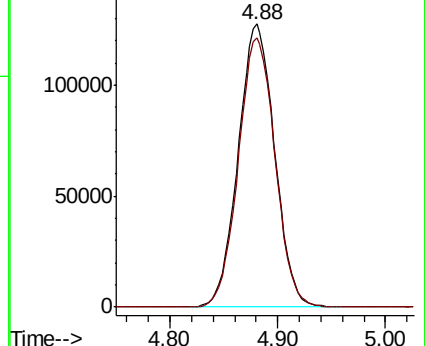
117 100

119 95.8 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 51.320 ug/L

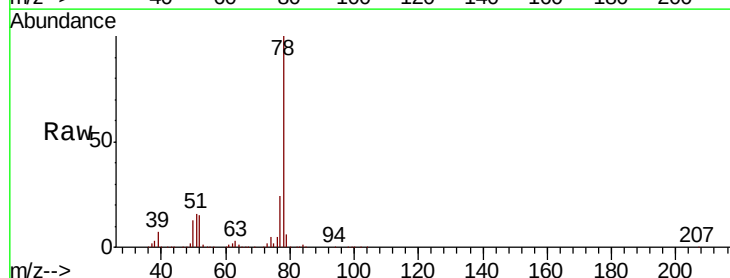
RT: 5.15 min Scan# 1326

Delta R.T. -0.00 min

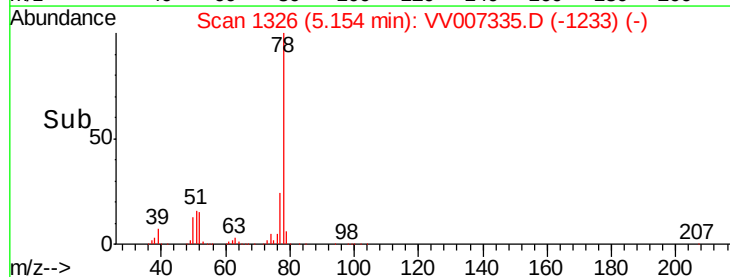
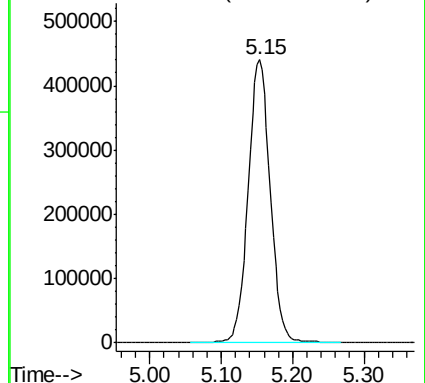
Lab File: VV007335.D

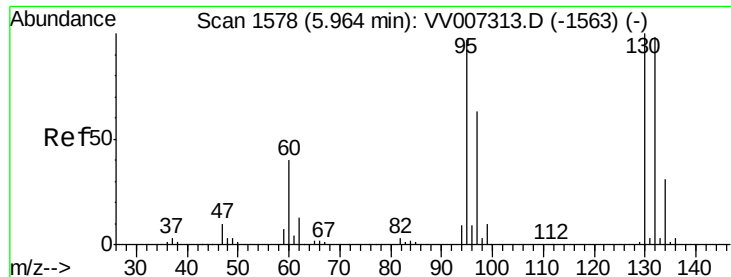
Acq: 01 Sep 2018 05:46

Tgt Ion: 78 Resp: 950541



Abundance Ion 78.00 (77.70 to 78.70): VV0

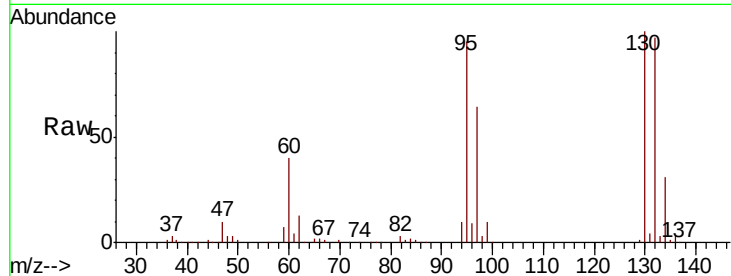




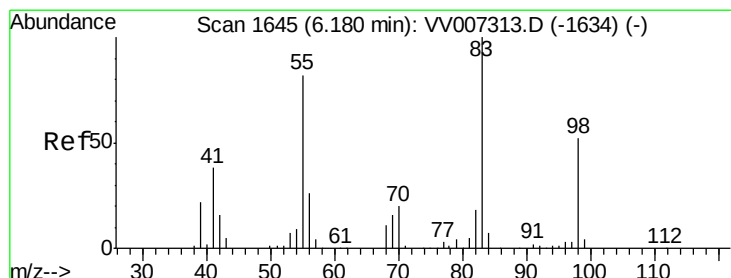
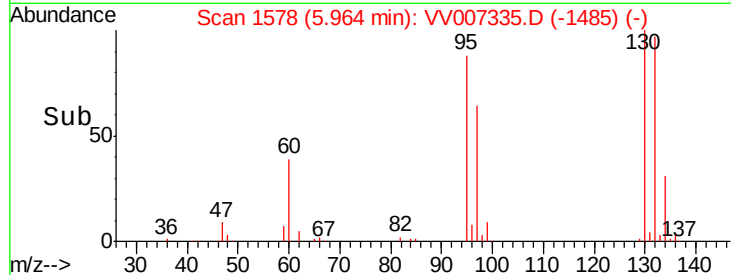
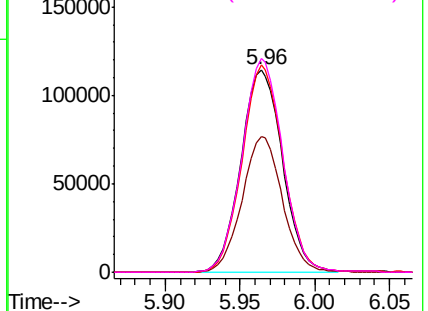
#34
 Trichloroethene
 Concen: 49.479 ug/L
 RT: 5.96 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VV007335.D
 Acq: 01 Sep 2018 05:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

Tgt Ion: 95 Resp: 222041
 Ion Ratio Lower Upper
 95 100
 97 66.9 45.1 83.9
 132 102.1 68.3 126.9
 130 105.3 72.4 134.5

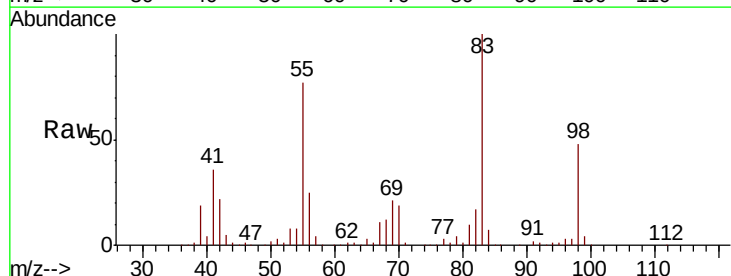


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

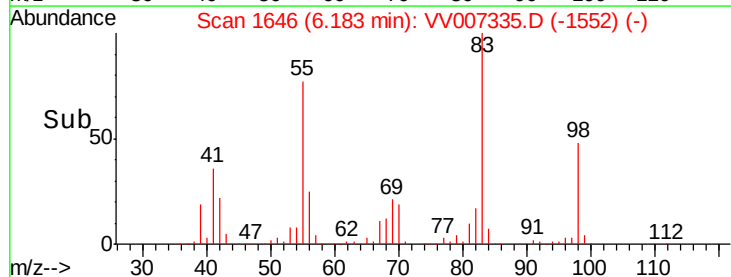
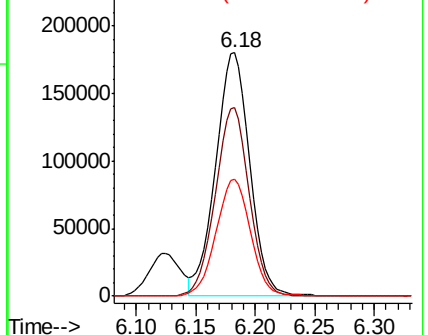


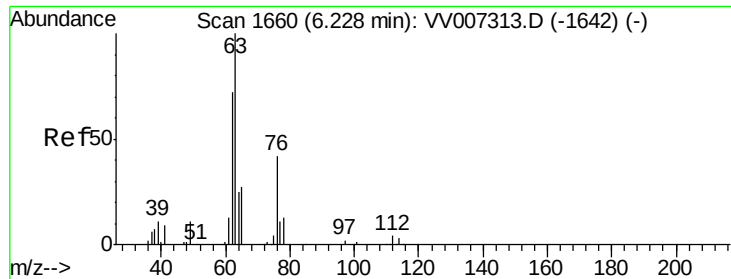
#35
 Methylcyclohexane
 Concen: 50.282 ug/L
 RT: 6.18 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: VV007335.D
 Acq: 01 Sep 2018 05:46

Tgt Ion: 83 Resp: 356740
 Ion Ratio Lower Upper
 83 100
 55 77.5 62.4 93.6
 98 48.8 39.0 58.4



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

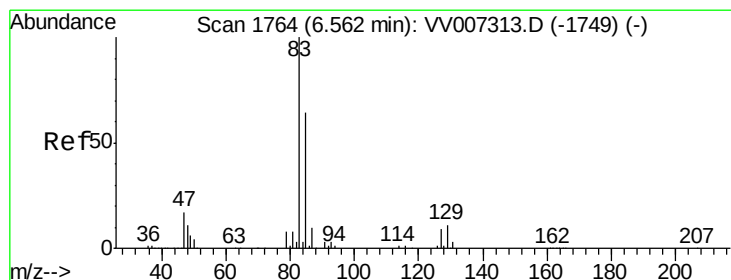
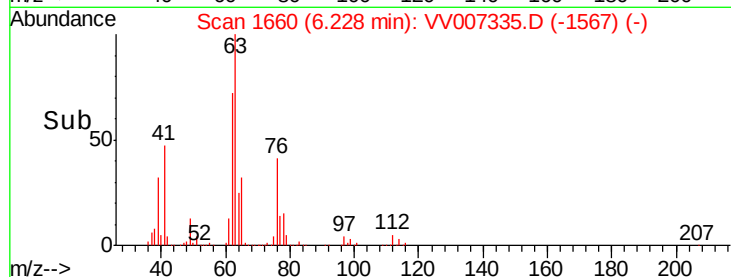
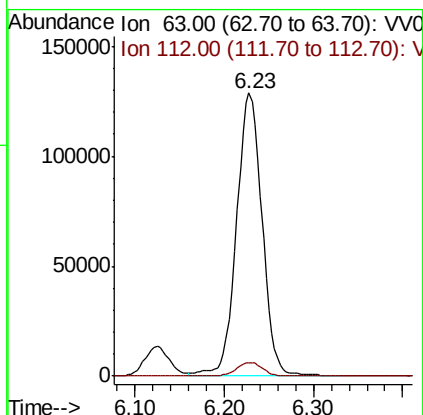
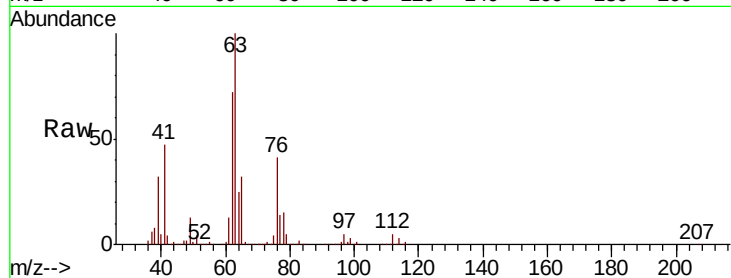




#37
 1,2-Dichloropropane
 Concen: 51.293 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VV007335.D
 Acq: 01 Sep 2018 05:46

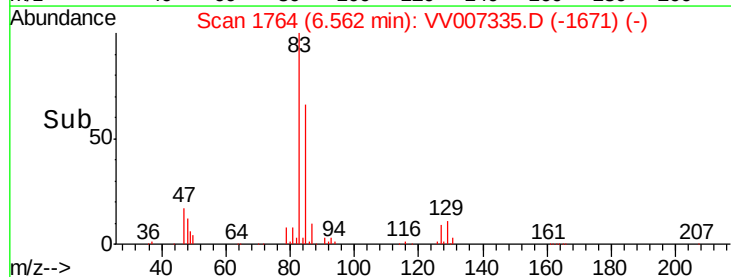
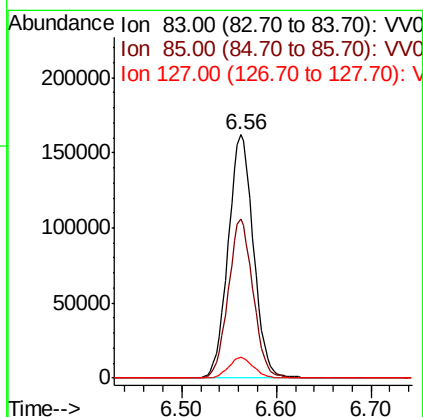
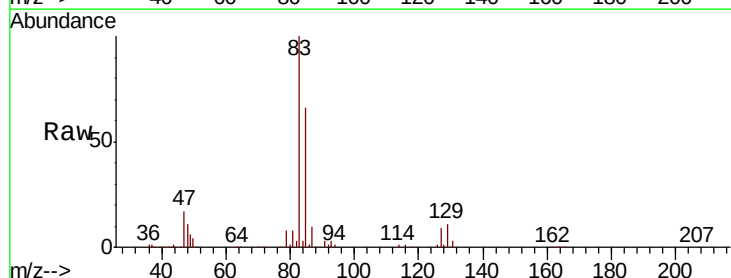
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

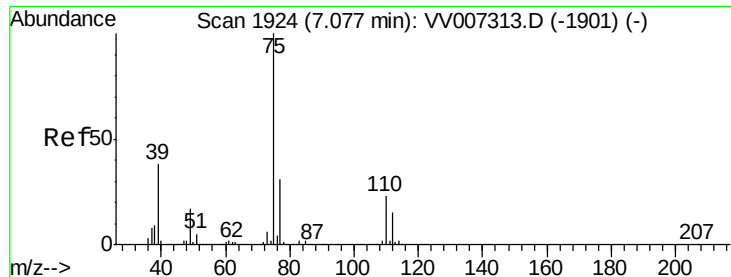
Tgt Ion: 63 Resp: 256468
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.8 5.8



#38
 Bromodichloromethane
 Concen: 49.091 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VV007335.D
 Acq: 01 Sep 2018 05:46

Tgt Ion: 83 Resp: 300893
 Ion Ratio Lower Upper
 83 100
 85 65.6 44.4 82.5
 127 8.6 6.8 10.2



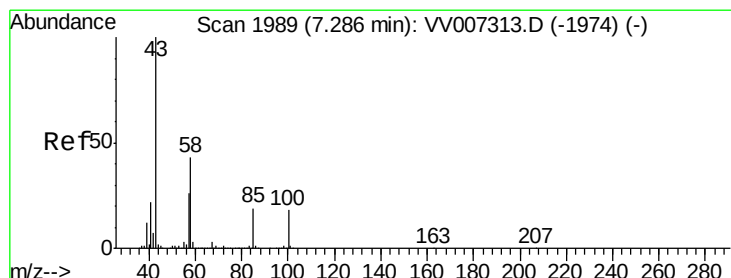
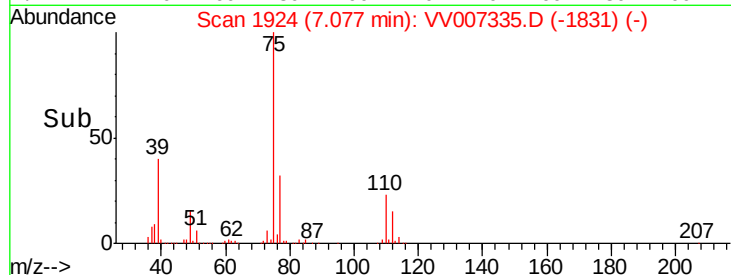
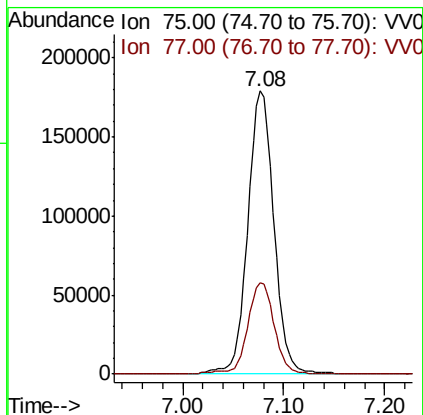
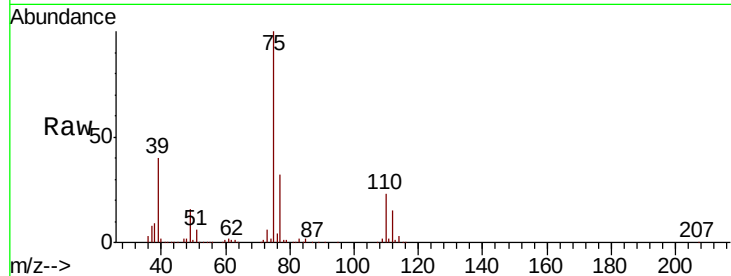


#39

cis-1,3-Dichloropropene
 Concen: 45.859 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV007335.D
 Acq: 01 Sep 2018 05:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

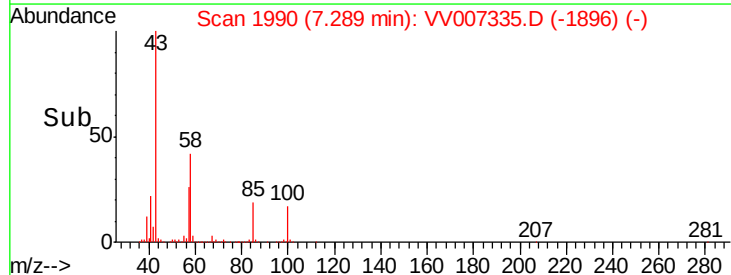
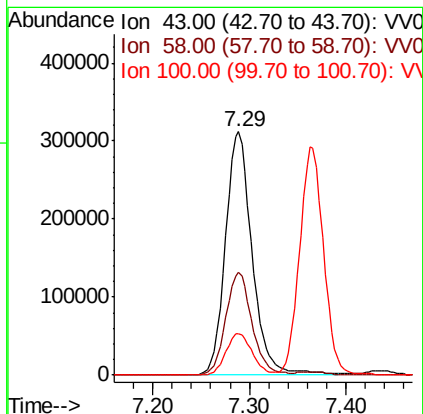
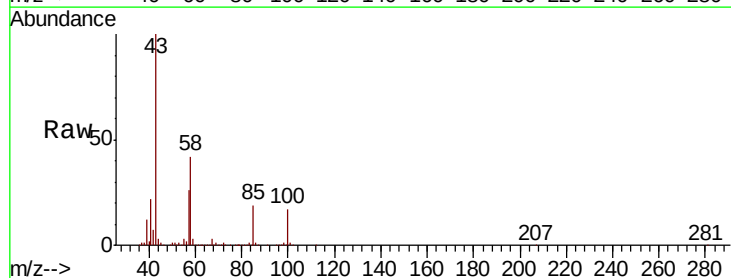
Tgt Ion: 75 Resp: 319768
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.3 41.3

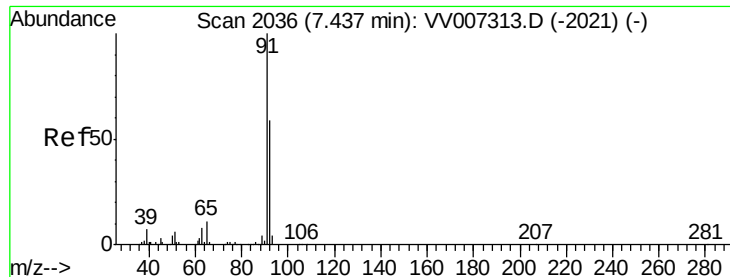


#40

4-Methyl-2-pentanone
 Concen: 104.773 ug/L
 RT: 7.29 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VV007335.D
 Acq: 01 Sep 2018 05:46

Tgt Ion: 43 Resp: 597332
 Ion Ratio Lower Upper
 43 100
 58 41.4 32.6 49.0
 100 16.8 13.4 20.0





#42

Toluene

Concen: 52.767 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VV007335.D

Acq: 01 Sep 2018 05:46

Instrument :

MSVOA_V

ClientSampleId :

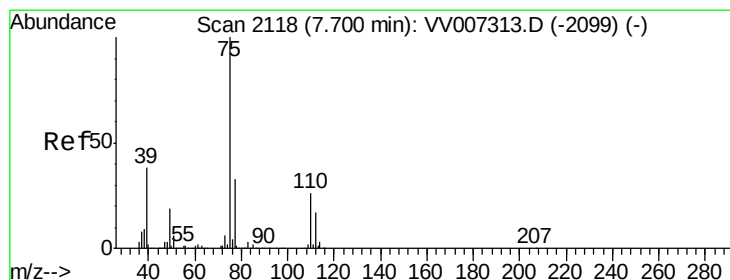
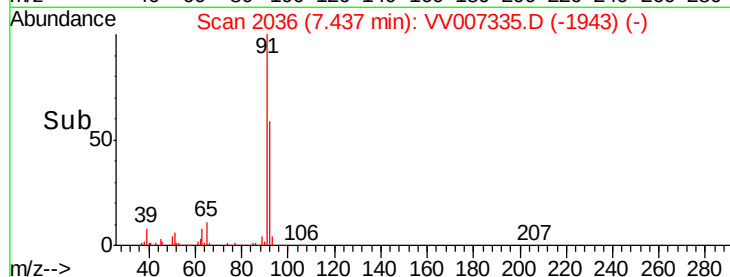
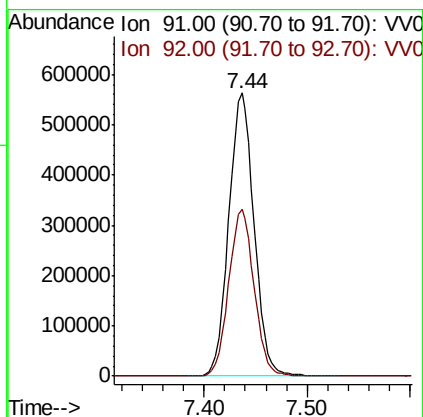
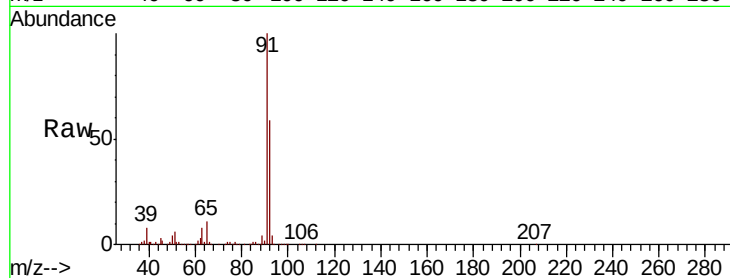
VSTD05079

Tgt Ion: 91 Resp: 965144

Ion Ratio Lower Upper

91 100

92 58.9 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 47.063 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VV007335.D

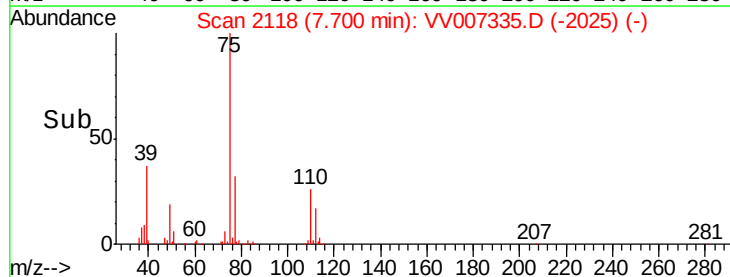
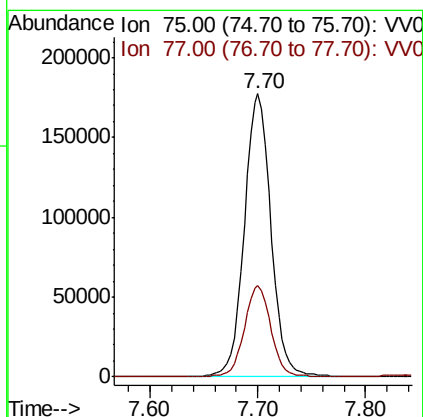
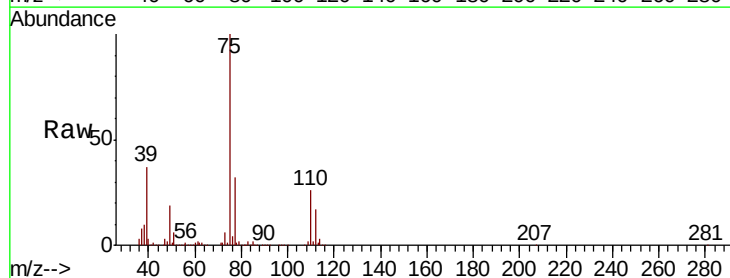
Acq: 01 Sep 2018 05:46

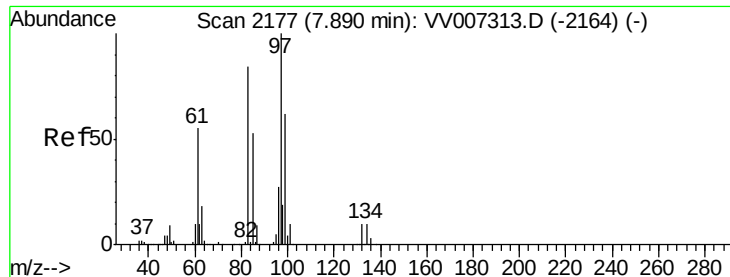
Tgt Ion: 75 Resp: 304810

Ion Ratio Lower Upper

75 100

77 32.1 22.7 42.1

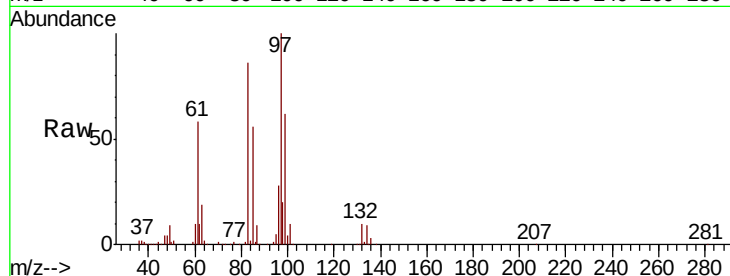




#45
 1,1,2-Trichloroethane
 Concen: 49.837 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VV007335.D
 Acq: 01 Sep 2018 05:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

Tgt Ion:	97	Resp:	232000
Ion	Ratio	Lower	Upper
97	100		
99	62.4	44.0	81.6
83	85.7	59.0	109.6
85	55.7	38.9	72.2



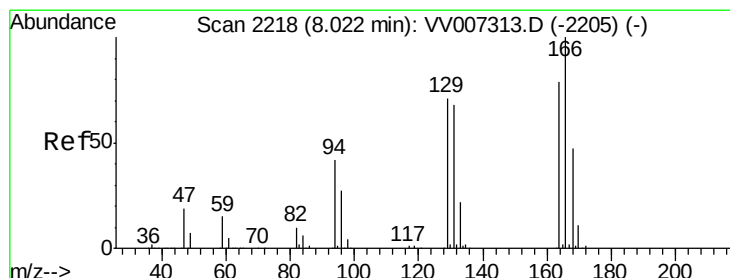
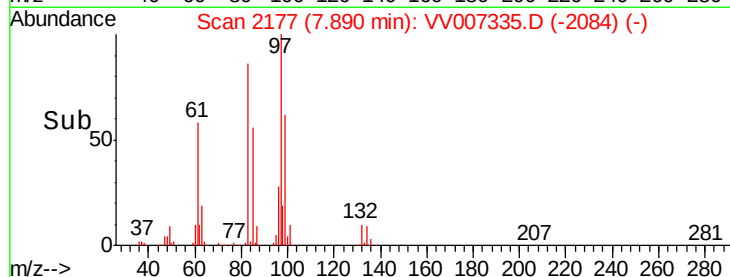
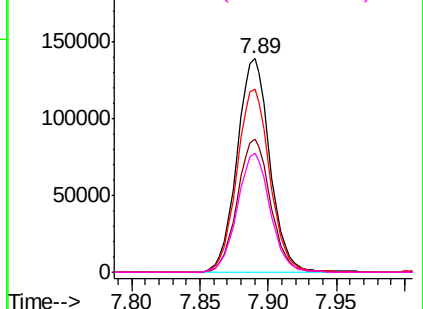
Abundance

Ion 97.00 (96.70 to 97.70): VV007335.D (-2177) (-)

Ion 99.00 (98.70 to 99.70): VV007335.D (-2177) (-)

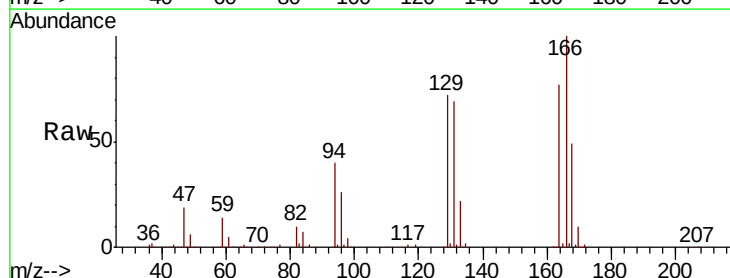
Ion 83.00 (82.70 to 83.70): VV007335.D (-2177) (-)

Ion 85.00 (84.70 to 85.70): VV007335.D (-2177) (-)



#46
 Tetrachloroethene
 Concen: 48.817 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VV007335.D
 Acq: 01 Sep 2018 05:46

Tgt Ion:	164	Resp:	183651
Ion	Ratio	Lower	Upper
164	100		
129	94.3	64.5	119.7
131	89.5	61.2	113.8
166	130.5	89.1	165.5



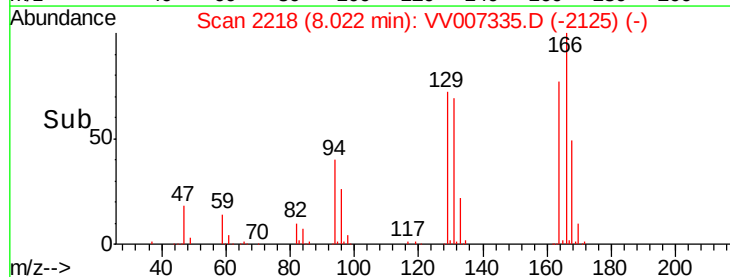
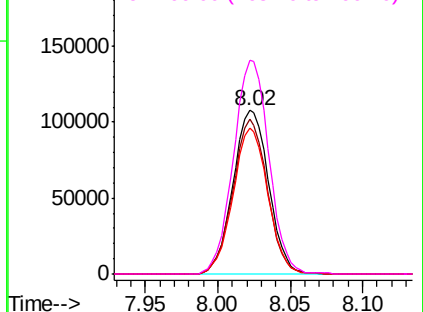
Abundance

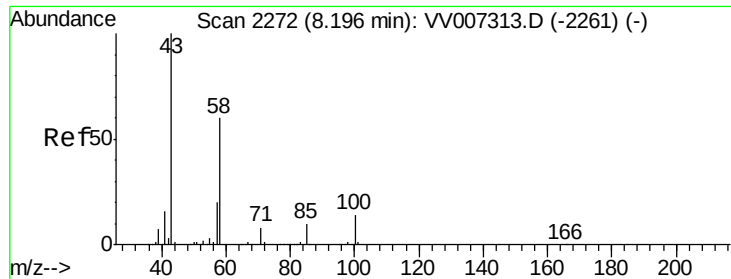
Ion 164.00 (163.70 to 164.70): VV007335.D (-2218) (-)

Ion 129.00 (128.70 to 129.70): VV007335.D (-2218) (-)

Ion 131.00 (130.70 to 131.70): VV007335.D (-2218) (-)

Ion 166.00 (165.70 to 166.70): VV007335.D (-2218) (-)

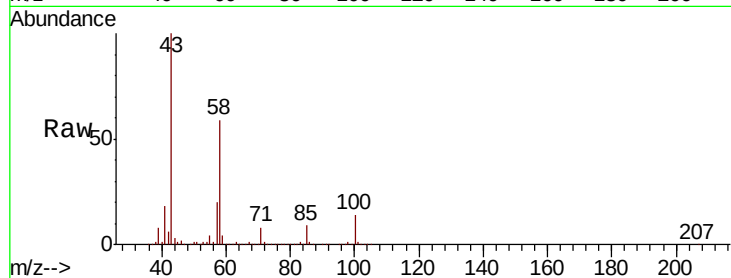




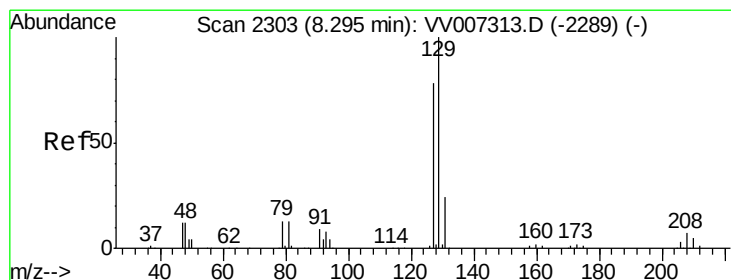
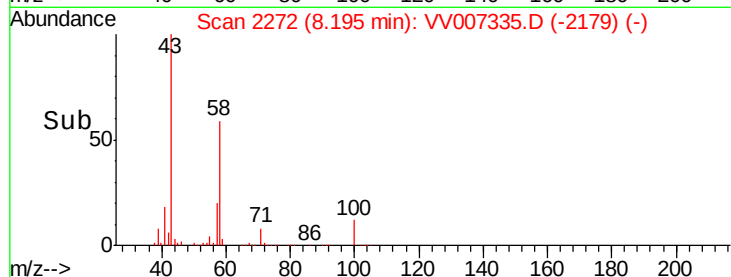
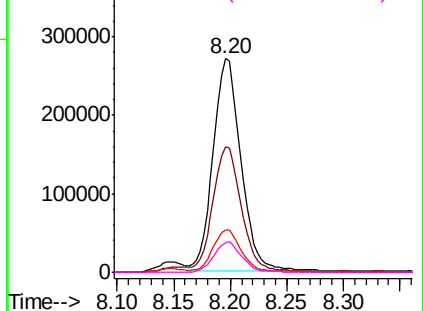
#48
2-Hexanone
Concen: 101.249 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV007335.D
Acq: 01 Sep 2018 05:46

Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

Tgt Ion:	43	Resp:	467328
Ion	Ratio	Lower	Upper
43	100		
58	61.0	48.2	72.4
57	19.7	15.9	23.9
100	14.1	11.0	16.4

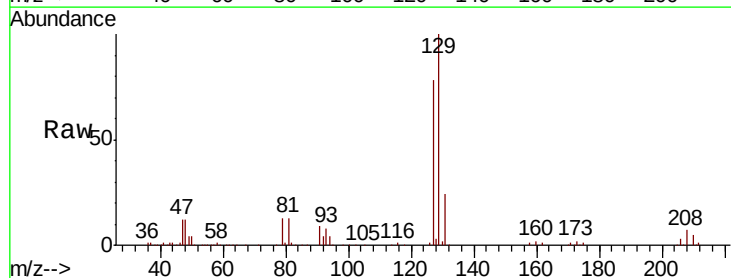


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

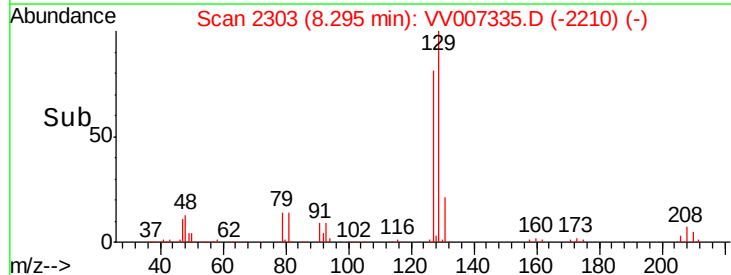
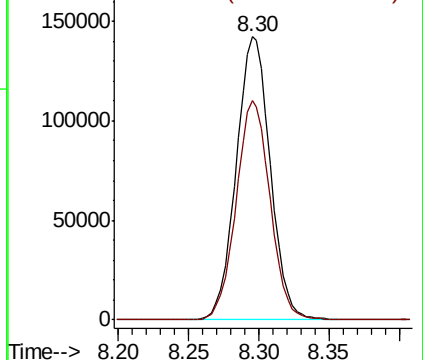


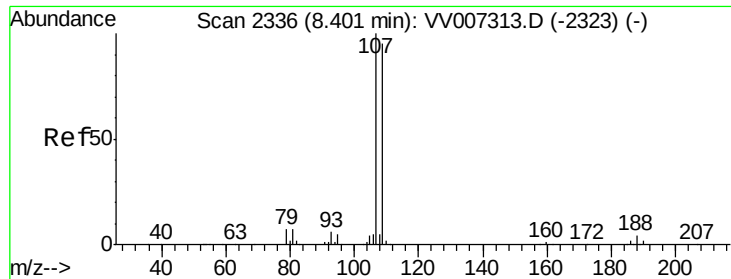
#49
Dibromochloromethane
Concen: 49.242 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV007335.D
Acq: 01 Sep 2018 05:46

Tgt Ion:	129	Resp:	240618
Ion	Ratio	Lower	Upper
129	100		
127	77.6	54.4	101.0



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

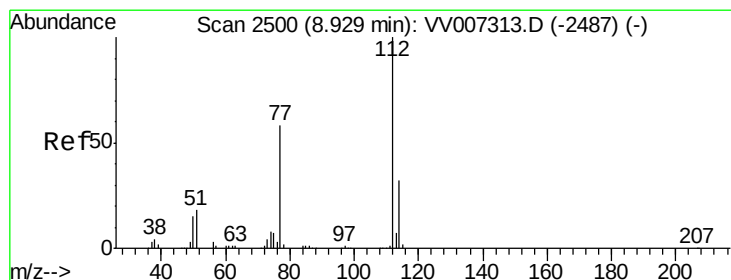
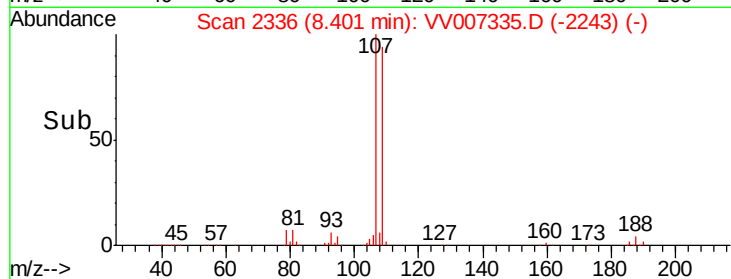
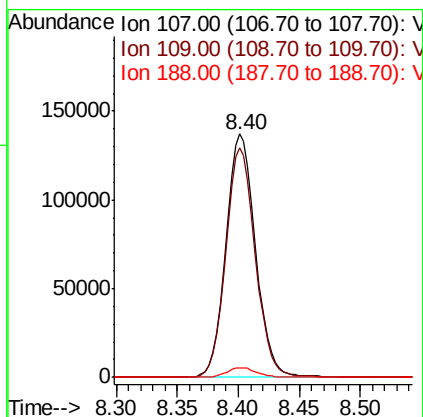
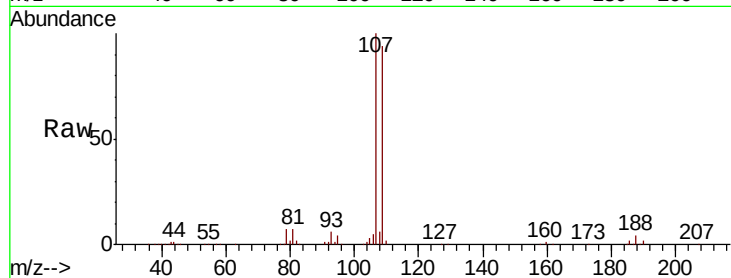




#50
1,2-Dibromoethane
Concen: 50.141 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VV007335.D
Acq: 01 Sep 2018 05:46

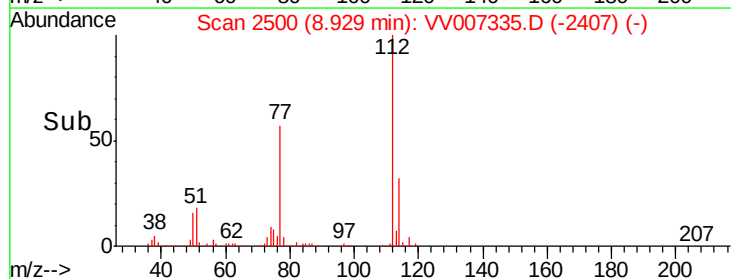
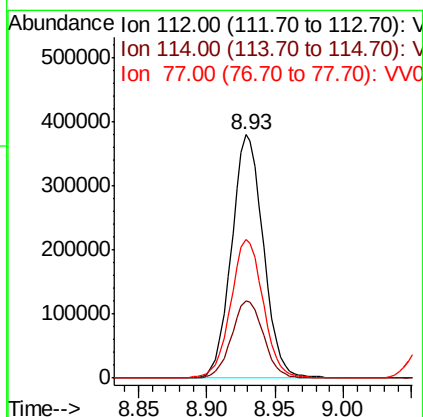
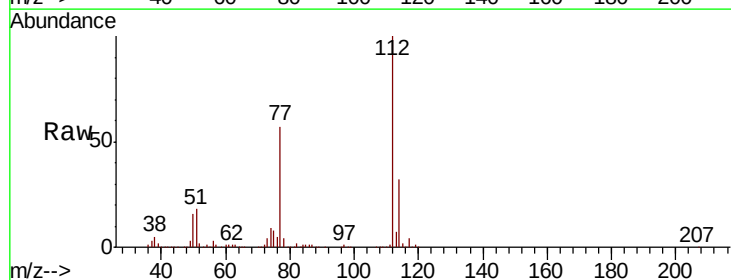
Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

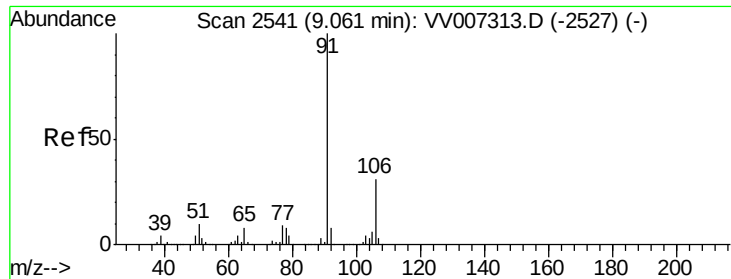
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.5	66.7	123.9
188	4.1	3.3	4.9



#51
Chlorobenzene
Concen: 49.900 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. -0.00 min
Lab File: VV007335.D
Acq: 01 Sep 2018 05:46

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.4	41.6
77	57.0	46.2	69.4





#52

Ethylbenzene

Concen: 52.008 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV007335.D

Acq: 01 Sep 2018 05:46

Instrument :

MSVOA_V

ClientSampleId :

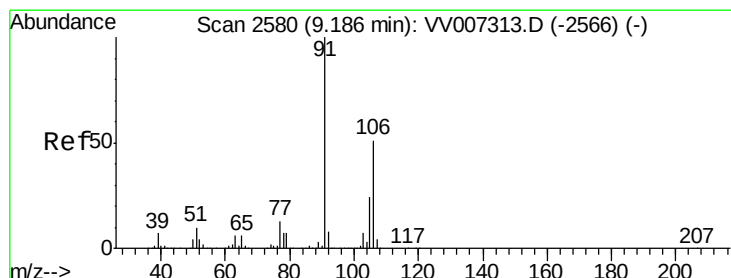
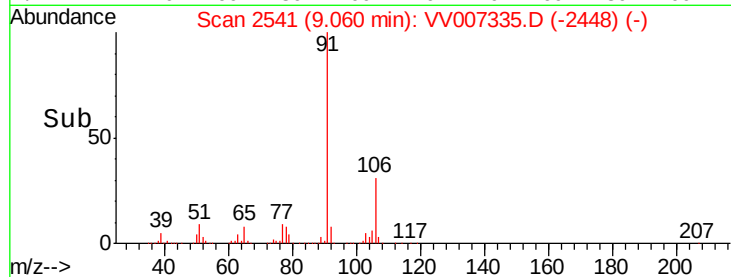
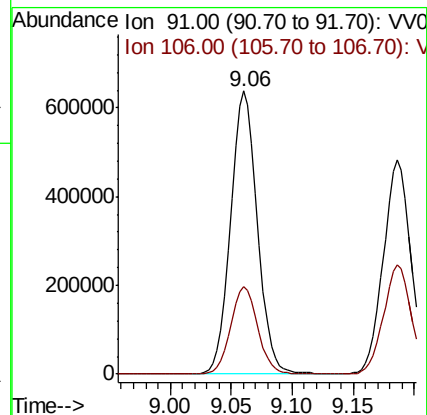
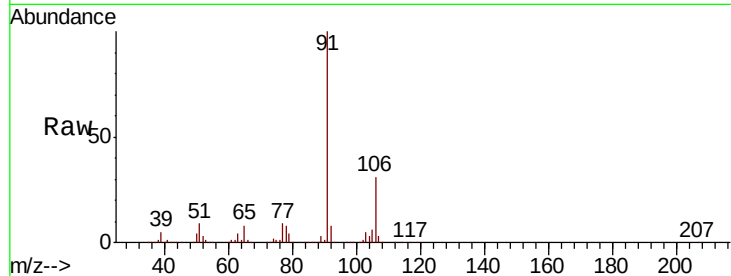
VSTD05079

Tgt Ion: 91 Resp: 983834

Ion Ratio Lower Upper

91 100

106 31.1 21.7 40.3



#53

m,p-Xylene

Concen: 54.130 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV007335.D

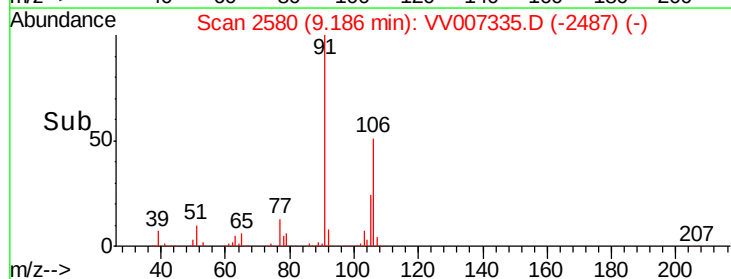
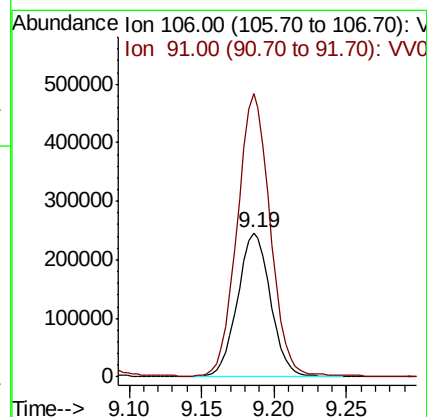
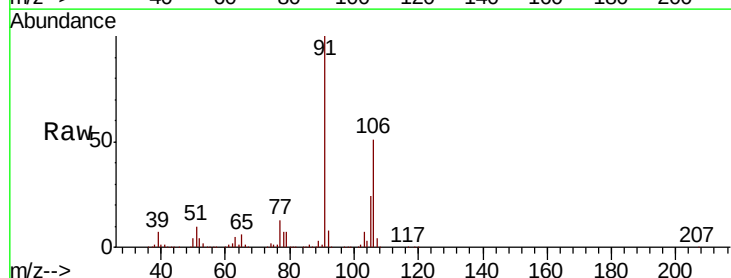
Acq: 01 Sep 2018 05:46

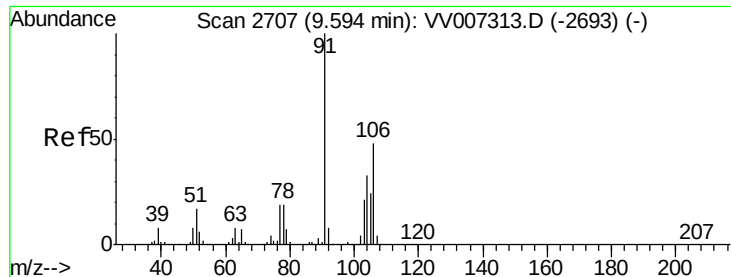
Tgt Ion: 106 Resp: 386571

Ion Ratio Lower Upper

106 100

91 196.4 140.1 260.3





#54

o-xylene

Concen: 52.595 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. -0.00 min

Lab File: VV007335.D

Acq: 01 Sep 2018 05:46

Instrument :

MSVOA_V

ClientSampleId :

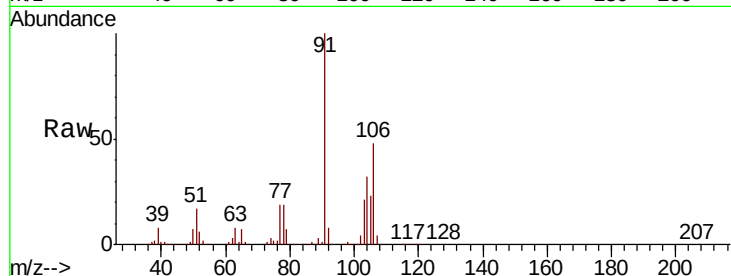
VSTD05079

Tgt Ion:106 Resp: 364646

Ion Ratio Lower Upper

106 100

91 210.3 145.6 270.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

500000

400000

300000

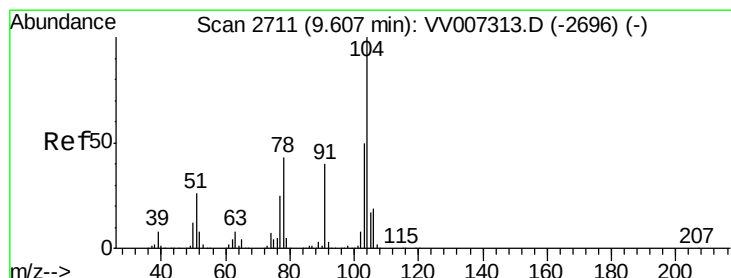
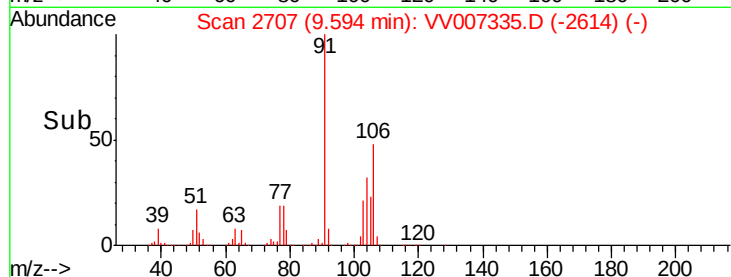
200000

100000

0

9.50 9.55 9.60 9.65

Time-->



#55

Styrene

Concen: 55.706 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. -0.00 min

Lab File: VV007335.D

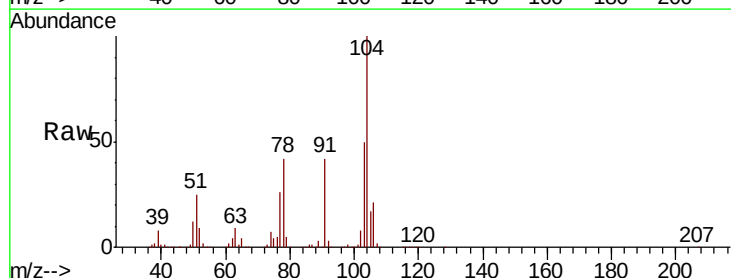
Acq: 01 Sep 2018 05:46

Tgt Ion:104 Resp: 672489

Ion Ratio Lower Upper

104 100

78 42.3 30.2 56.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

500000

400000

300000

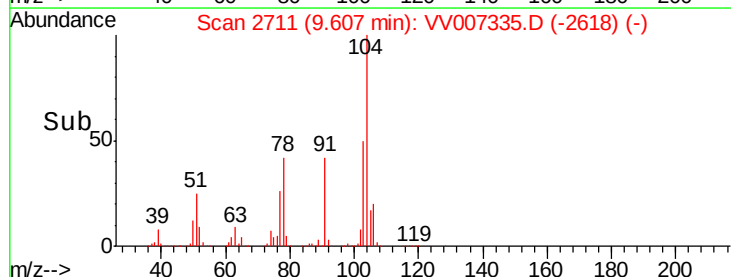
200000

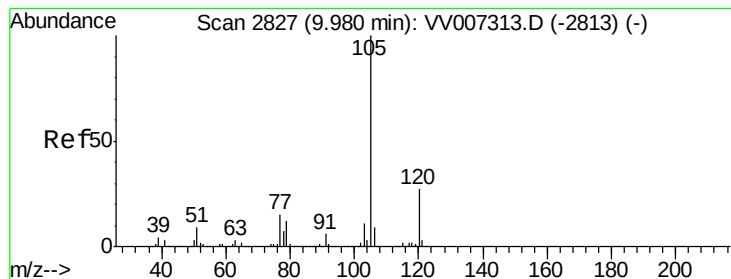
100000

0

9.50 9.60 9.70

Time-->





#56

Isopropylbenzene

Concen: 53.332 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV007335.D

Acq: 01 Sep 2018 05:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

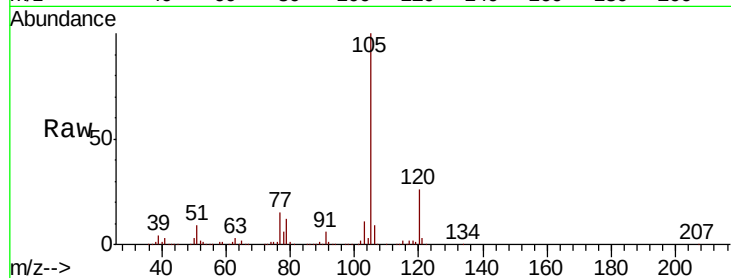
Tgt Ion:105 Resp: 938819

Ion Ratio Lower Upper

105 100

120 26.5 21.3 31.9

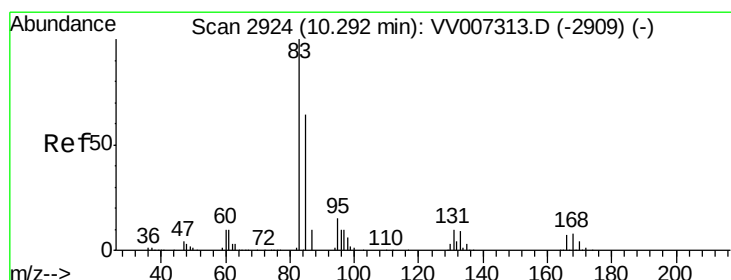
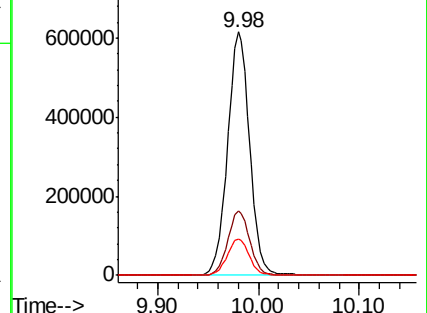
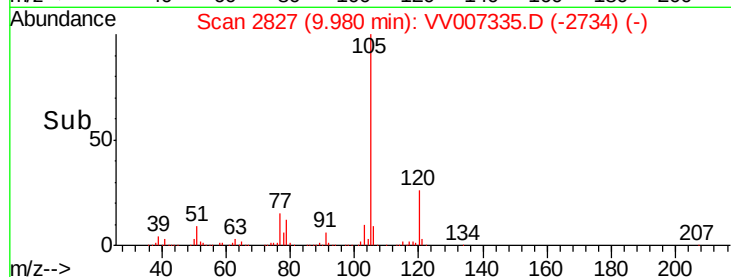
77 15.1 12.1 18.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 49.114 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV007335.D

Acq: 01 Sep 2018 05:46

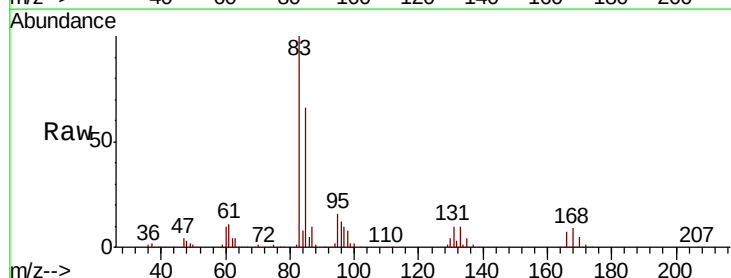
Tgt Ion: 83 Resp: 368811

Ion Ratio Lower Upper

83 100

85 65.7 46.1 85.5

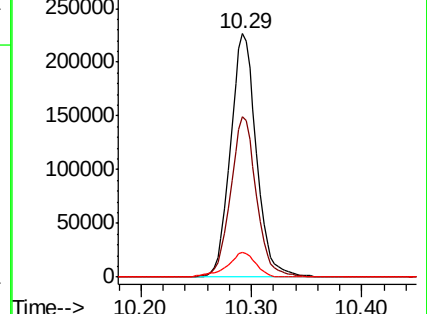
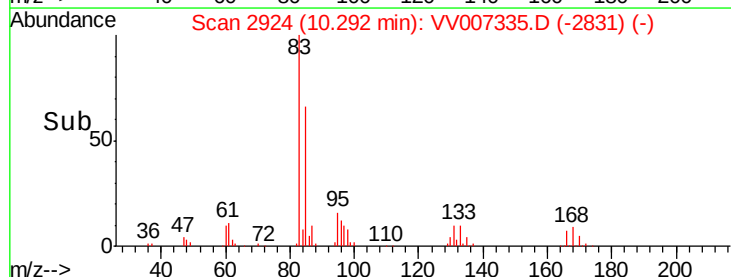
131 10.2 7.9 11.9

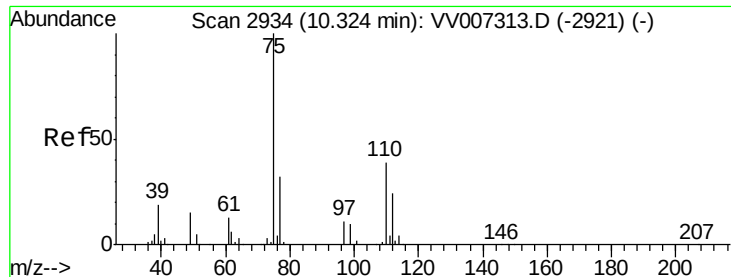


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.375 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. -0.00 min

Lab File: VV007335.D

Acq: 01 Sep 2018 05:46

Instrument :

MSVOA_V

ClientSampleId :

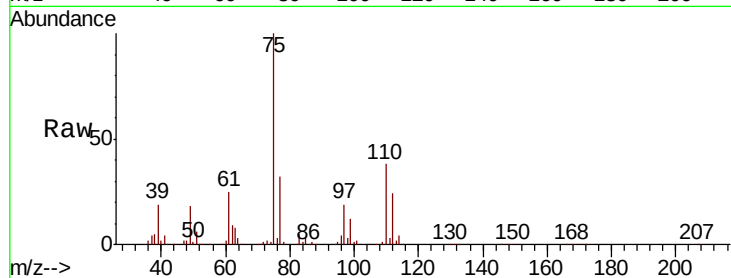
VSTD05079

Tgt Ion: 75 Resp: 298917

Ion Ratio Lower Upper

75 100

77 31.8 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV007313.D (-2921) (-)

Ion 77.00 (76.70 to 77.70): VV007313.D (-2921) (-)

10.32

200000

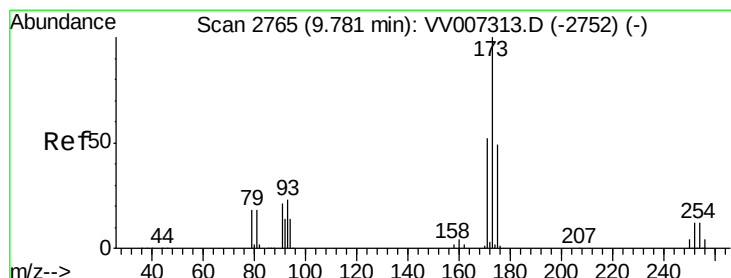
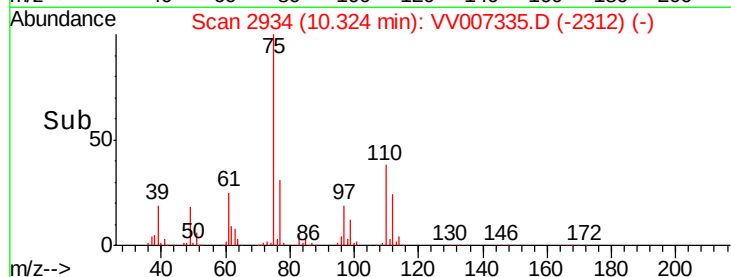
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 48.624 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. -0.00 min

Lab File: VV007335.D

Acq: 01 Sep 2018 05:46

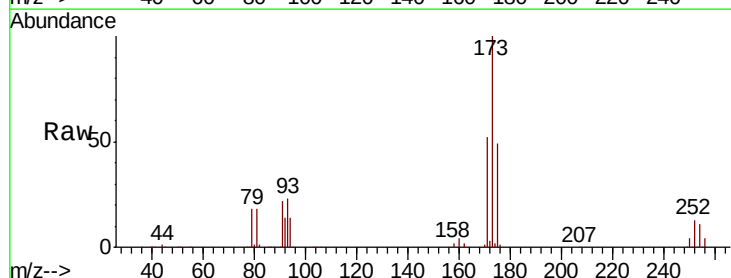
Tgt Ion: 173 Resp: 172781

Ion Ratio Lower Upper

173 100

175 49.2 38.3 57.5

254 11.7 9.4 14.2



Abundance Ion 173.00 (172.70 to 173.70): VV007313.D (-2752) (-)

Ion 175.00 (174.70 to 175.70): VV007313.D (-2752) (-)

Ion 254.00 (253.70 to 254.70): VV007313.D (-2752) (-)

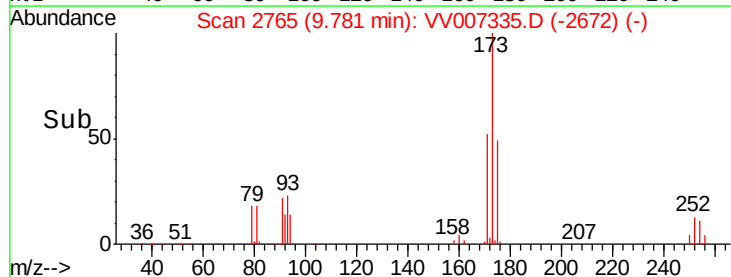
9.78

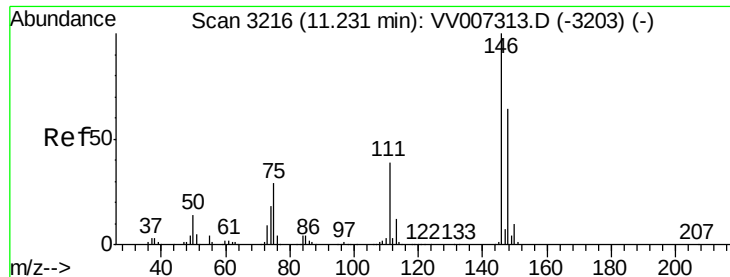
100000

50000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 48.876 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. -0.00 min

Lab File: VV007335.D

Acq: 01 Sep 2018 05:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

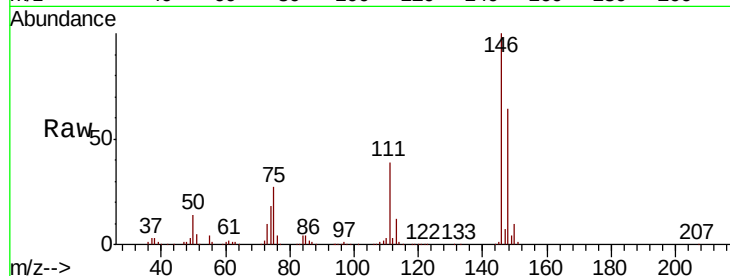
Tgt Ion:146 Resp: 415492

Ion Ratio Lower Upper

146 100

111 38.6 27.2 50.6

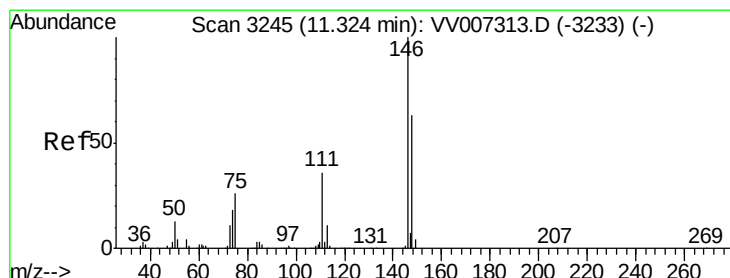
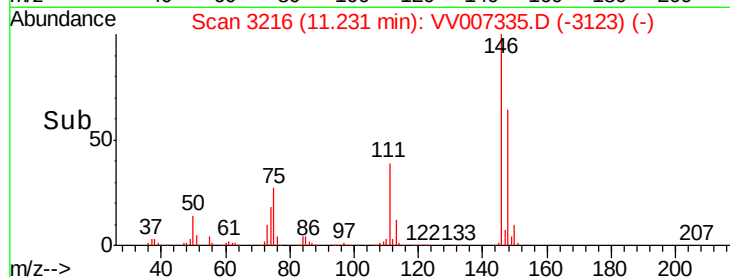
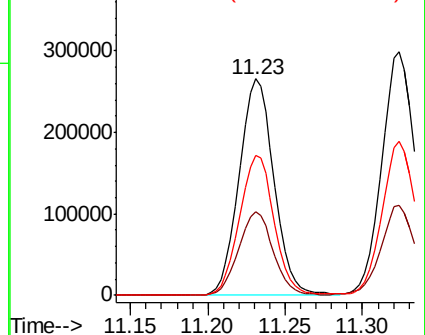
148 64.5 45.1 83.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 50.155 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VV007335.D

Acq: 01 Sep 2018 05:46

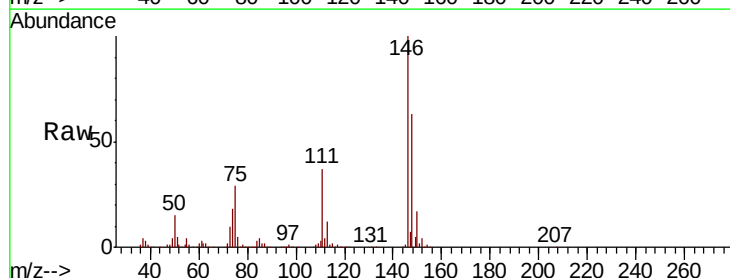
Tgt Ion:146 Resp: 462167

Ion Ratio Lower Upper

146 100

111 36.9 25.8 48.0

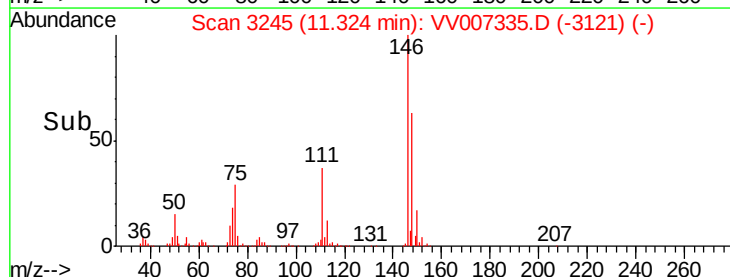
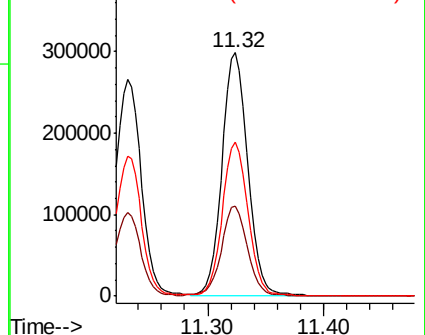
148 63.1 44.2 82.2

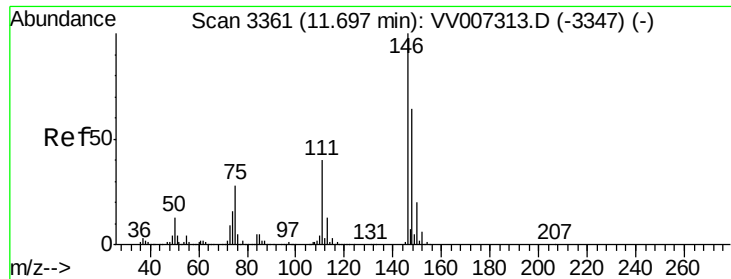


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

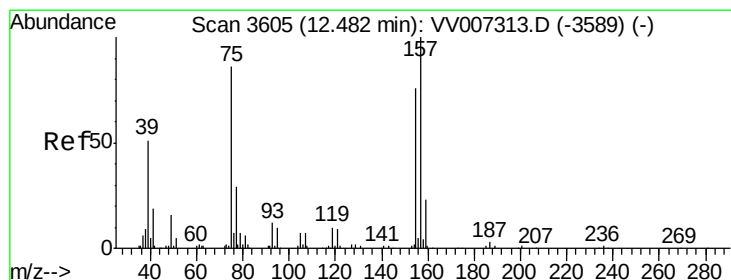
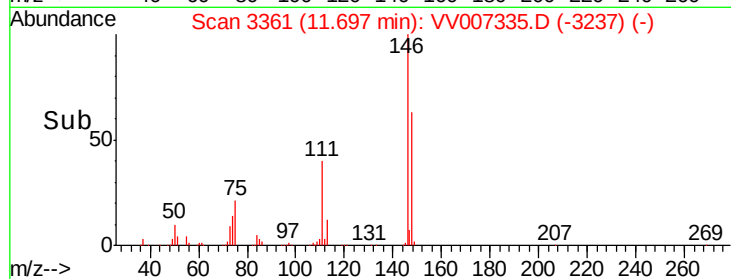
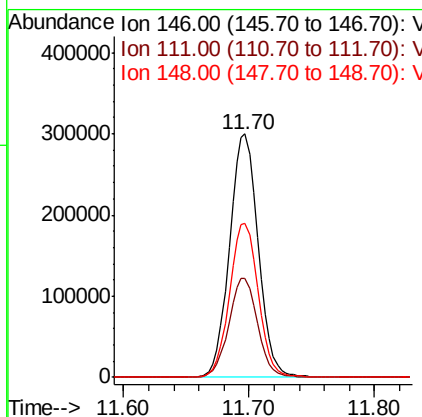
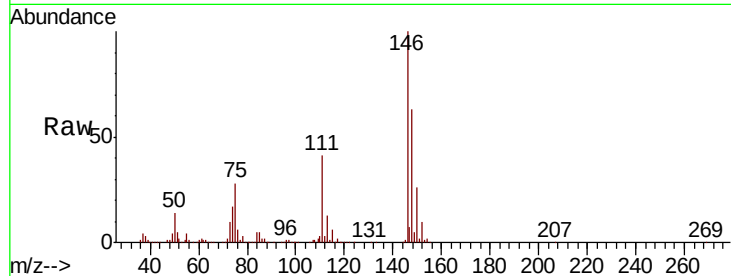




#65
 1,2-Dichlorobenzene
 Concen: 51.122 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. -0.00 min
 Lab File: VV007335.D
 Acq: 01 Sep 2018 05:46

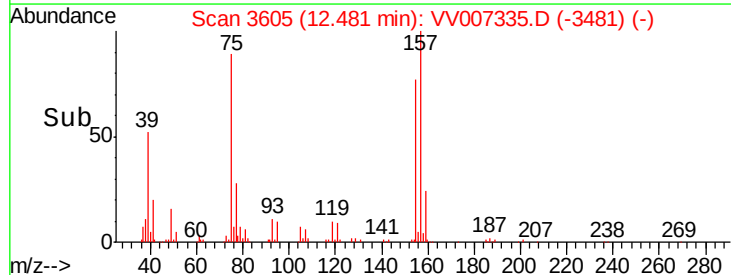
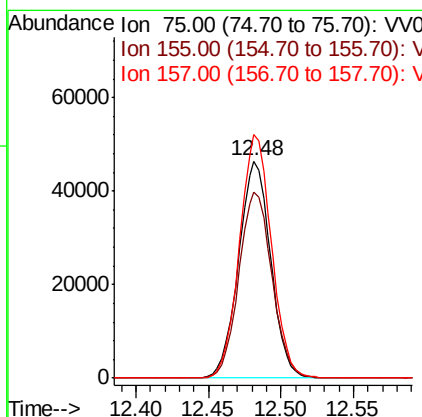
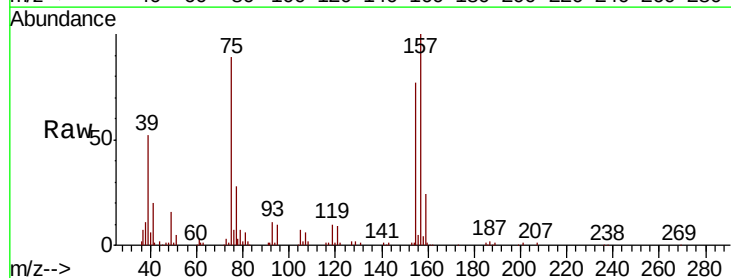
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

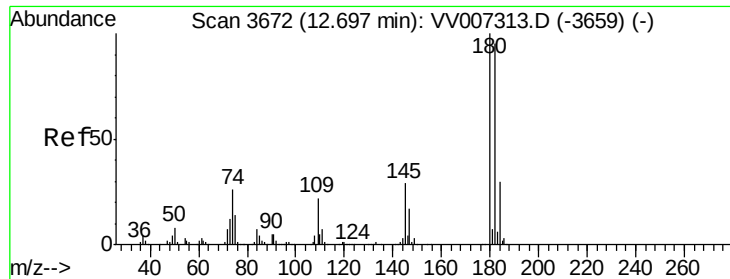
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	32.2	48.2
148	63.4	51.1	76.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.490 ug/L
 RT: 12.48 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VV007335.D
 Acq: 01 Sep 2018 05:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.0	67.1	100.7
157	112.2	85.4	128.2

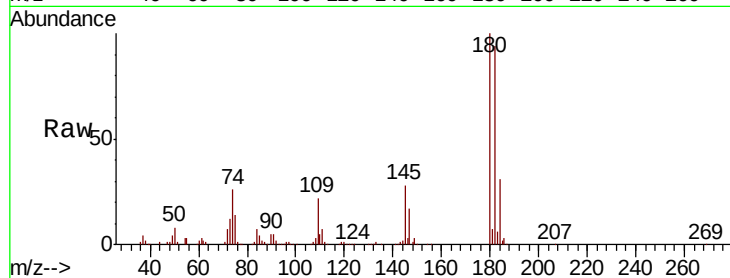




#67
 1,3,5-Trichlorobenzene
 Concen: 48.832 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. -0.00 min
 Lab File: VV007335.D
 Acq: 01 Sep 2018 05:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

Tgt Ion:	180	Resp:	321092
Ion	Ratio	Lower	Upper
180	100		
182	93.9	76.9	115.3
184	30.4	24.1	36.1
145	27.7	22.3	33.5



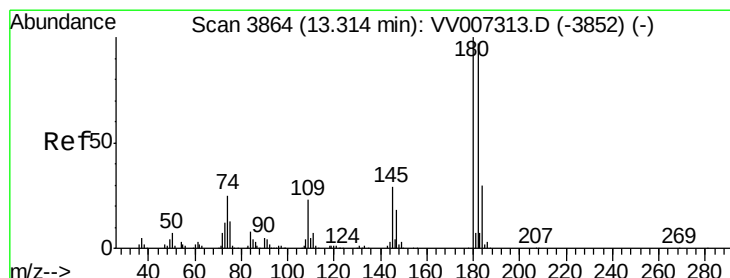
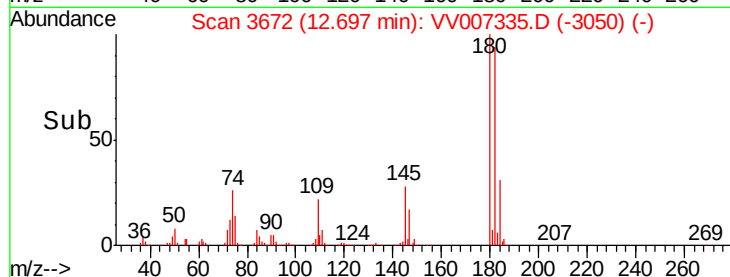
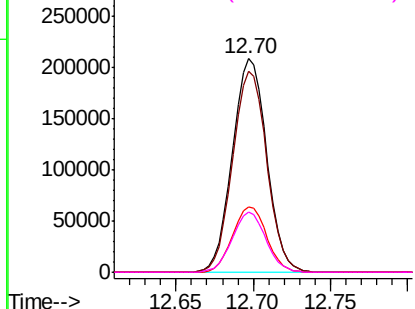
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

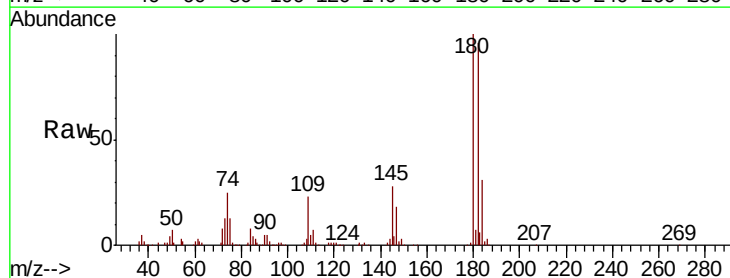
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 47.645 ug/L
 RT: 13.31 min Scan# 3864
 Delta R.T. -0.00 min
 Lab File: VV007335.D
 Acq: 01 Sep 2018 05:46

Tgt Ion:	180	Resp:	250225
Ion	Ratio	Lower	Upper
180	100		
182	94.8	77.2	115.8
145	27.9	22.8	34.2

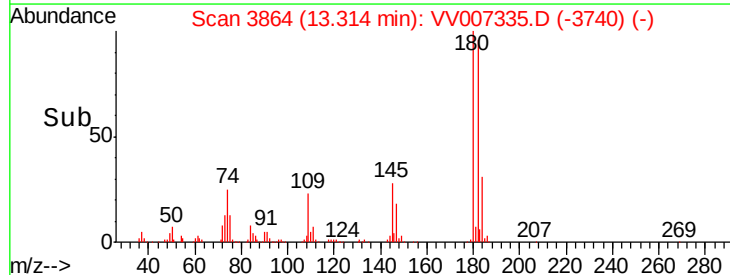
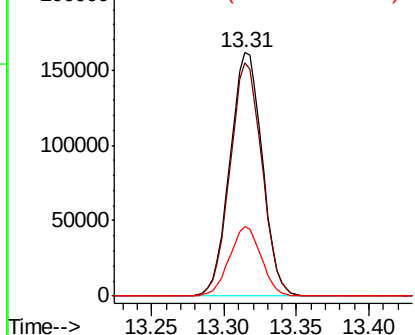


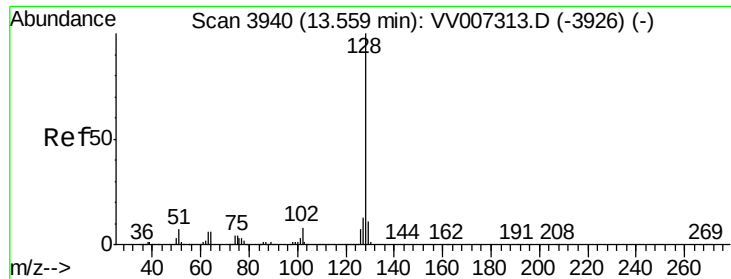
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 49.449 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV007335.D

Acq: 01 Sep 2018 05:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

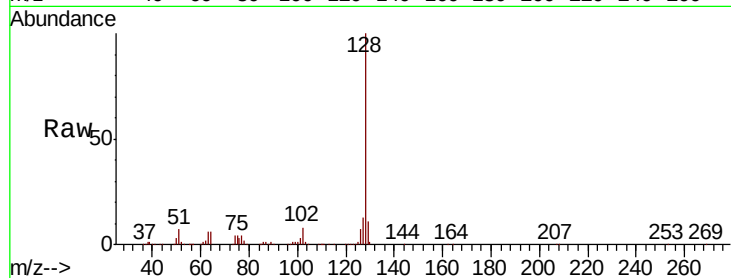
Tgt Ion:128 Resp: 724198

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

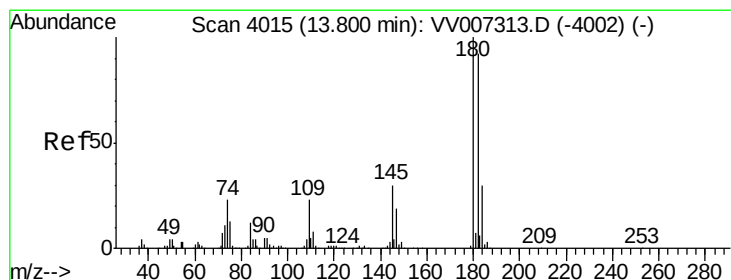
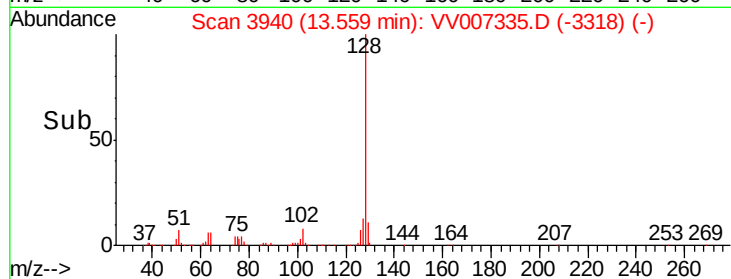
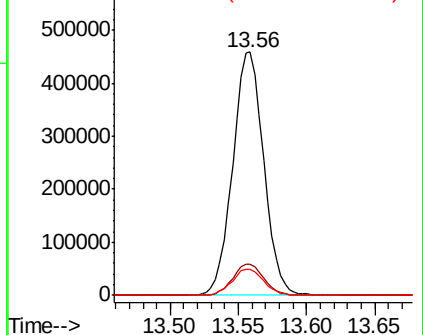
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 50.719 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV007335.D

Acq: 01 Sep 2018 05:46

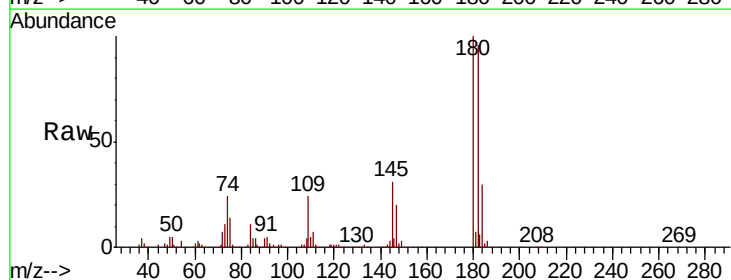
Tgt Ion:180 Resp: 289054

Ion Ratio Lower Upper

180 100

182 94.7 76.1 114.1

145 30.6 24.4 36.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

