

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081018\
 Data File : VV006973.D
 Acq On : 10 Aug 2018 09:33
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00583

Quant Time: Aug 10 23:02:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 10 02:34:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	256892	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	251641	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	115124	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	73878	4.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.20%
7) Chloroethane-d5	1.58	69	66337	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.40%
11) 1,1-Dichloroethene-d2	2.13	63	146142	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.00%
20) 2-Butanone-d5	3.97	46	241696	50.68	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.36%
24) Chloroform-d	4.40	84	165822	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	5.09	65	81879	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
32) Benzene-d6	5.10	84	308011	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
36) 1,2-Dichloropropane-d6	6.12	67	106357	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	7.36	98	269049	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
43) trans-1,3-Dichloropropene-	7.67	79	35844	4.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.20%
46) 2-Hexanone-d5	8.14	63	142122	45.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.40%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	81309	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	92875	4.64	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	126158	5.043	ug/L 99
3) Chloromethane	1.25	50	108628	4.512	ug/L 100
5) Vinyl chloride	1.32	62	117904	4.739	ug/L 99
6) Bromomethane	1.54	94	21520	3.985	ug/L 98
8) Chloroethane	1.60	64	75207	4.981	ug/L 99
9) Trichlorofluoromethane	1.77	101	157373	4.970	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	98314	5.174	ug/L 97
12) 1,1-Dichloroethene	2.14	96	89838	4.870	ug/L 90
13) Acetone	2.21	43	136413	55.554	ug/L 99
14) Carbon disulfide	2.32	76	295913	4.859	ug/L 98
15) Methyl Acetate	2.47	43	32683	4.729	ug/L 97
16) Methylene chloride	2.54	84	96932	4.358	ug/L 97
17) Methyl tert-butyl Ether	2.81	73	212218	4.798	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	98746	4.999	ug/L 99
19) 1,1-Dichloroethane	3.23	63	198614	5.569	ug/L 98
21) 2-Butanone	4.05	43	279914	52.503	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	109122	4.868	ug/L 99

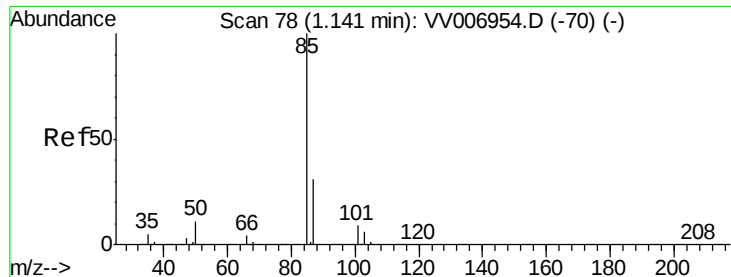
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081018\
 Data File : VV006973.D
 Acq On : 10 Aug 2018 09:33
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00583

Quant Time: Aug 10 23:02:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 10 02:34:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	45692	5.001	ug/L	93
25) Chloroform	4.43	83	192942	4.945	ug/L	100
27) 1,2-Dichloroethane	5.19	62	118638	4.876	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	161392	4.810	ug/L	99
30) Cyclohexane	4.72	56	167749	4.803	ug/L	98
31) Carbon tetrachloride	4.88	117	137105	4.872	ug/L	97
33) Benzene	5.15	78	431195	4.946	ug/L	100
34) Trichloroethene	5.96	95	101333	4.847	ug/L	94
35) Methylcyclohexane	6.18	83	168977	5.035	ug/L	99
37) 1,2-Dichloropropane	6.22	63	117610	4.928	ug/L	99
38) Bromodichloromethane	6.56	83	130347	4.807	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	136998	4.752	ug/L	97
40) 4-Methyl-2-pentanone	7.29	43	625576	48.530	ug/L	100
42) Toluene	7.43	91	434909	5.191	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	116318	4.916	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	72637	4.679	ug/L	99
47) Tetrachloroethene	8.02	164	84960	5.013	ug/L	96
48) 2-Hexanone	8.20	43	468887	51.575	ug/L	98
49) Dibromochloromethane	8.30	129	79561	4.885	ug/L	92
50) 1,2-Dibromoethane	8.40	107	62618	4.775	ug/L	96
51) Chlorobenzene	8.93	112	263922	4.942	ug/L	99
52) Ethylbenzene	9.06	91	417810	4.995	ug/L	99
53) m,p-xylene	9.19	106	156577	5.021	ug/L	99
54) o-xylene	9.59	106	148475	5.025	ug/L	99
55) Styrene	9.61	104	257392	5.168	ug/L	98
56) Isopropylbenzene	9.98	105	393032	5.070	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	88760	4.704	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	63476	4.752	ug/L	100
61) Bromoform	9.78	173	42084	4.827	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	185657	4.984	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	188762	4.944	ug/L	97
65) 1,2-Dichlorobenzene	11.70	146	182369	4.977	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	11952	4.594	ug/L	95
67) 1,3,5-Trichlorobenzene	12.70	180	146747	5.205	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	103574	5.005	ug/L	100
69) Naphthalene	13.56	128	132194	4.449	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	98786	4.953	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.043 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV006973.D

Acq: 10 Aug 2018 09:33

Instrument :

MSVOA_V

ClientSampleId :

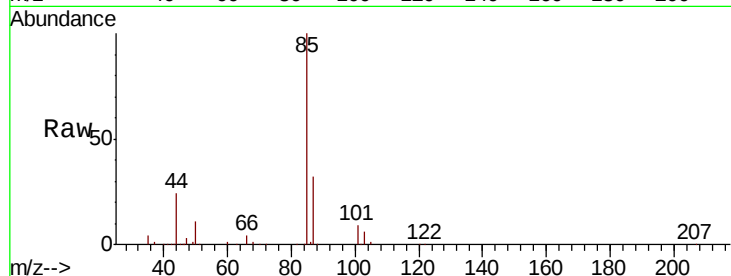
VSTD00583

Tot Ion: 85 Resp: 126158

Ion Ratio Lower Upper

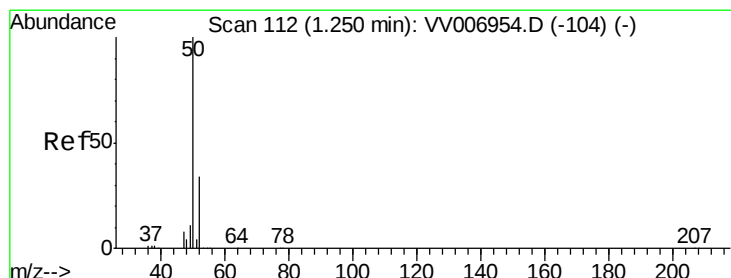
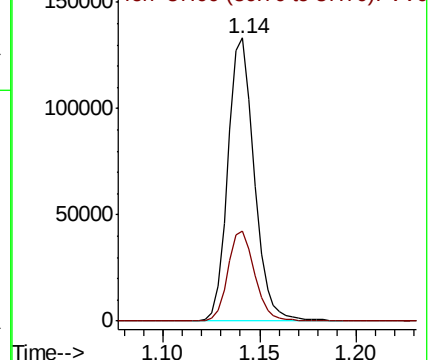
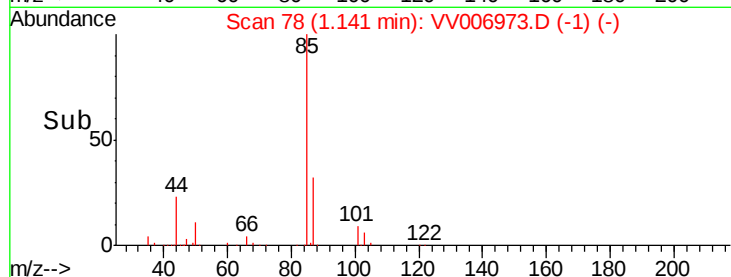
85 100

87 32.3 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV006973.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV006973.D (-1) (-)



#3

Chloromethane

Concen: 4.512 ug/L

RT: 1.25 min Scan# 113

Delta R.T. 0.00 min

Lab File: VV006973.D

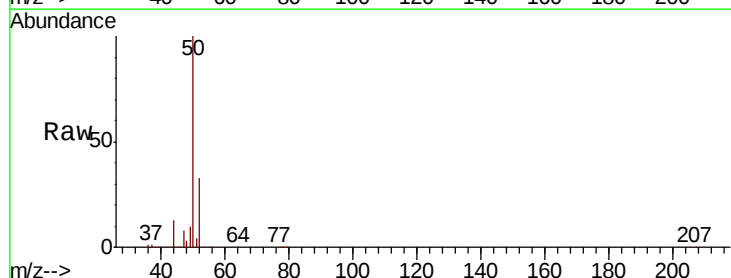
Acq: 10 Aug 2018 09:33

Tgt Ion: 50 Resp: 108628

Ion Ratio Lower Upper

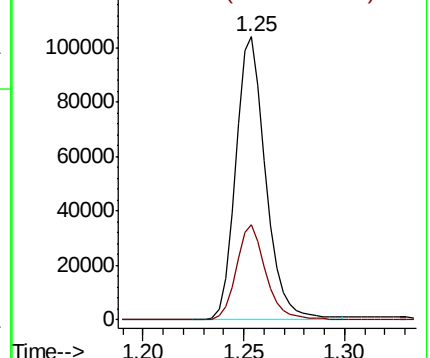
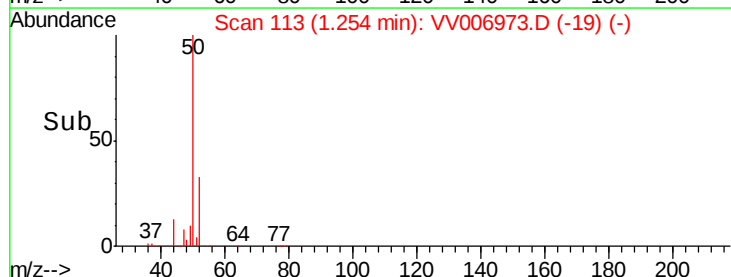
50 100

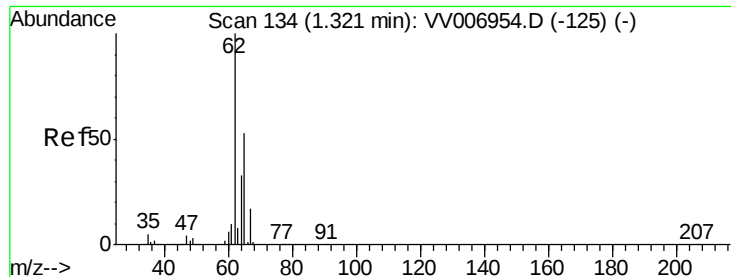
52 33.5 23.6 43.8



Abundance Ion 50.05 (49.75 to 50.75): VV006973.D (-19) (-)

Ion 52.05 (51.75 to 52.75): VV006973.D (-19) (-)





#5

Vinyl chloride

Concen: 4.739 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006973.D

Acq: 10 Aug 2018 09:33

Instrument :

MSVOA_V

ClientSampleId :

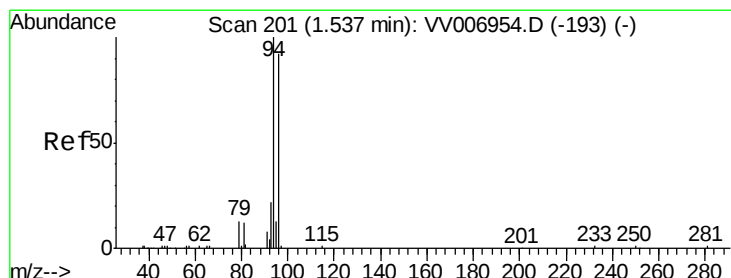
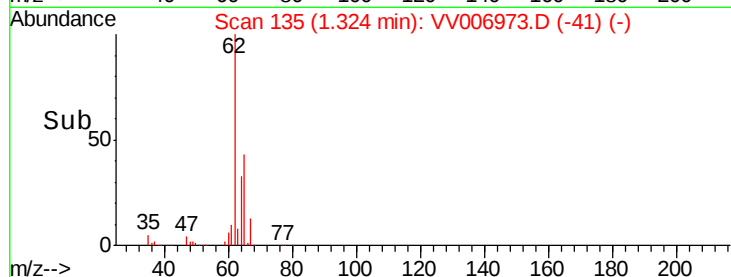
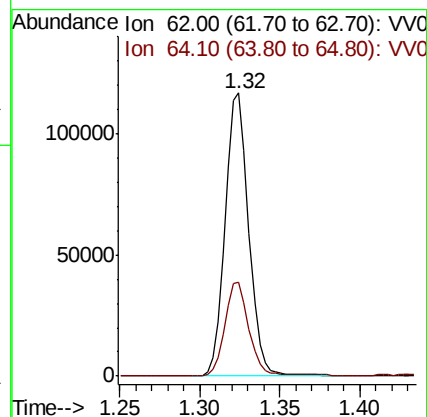
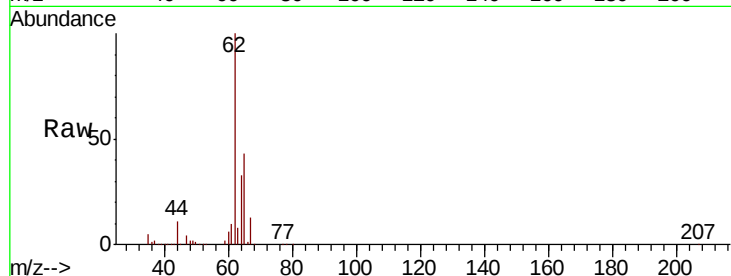
VSTD00583

Tot Ion: 62 Resp: 117904

Ion Ratio Lower Upper

62 100

64 33.2 23.5 43.7



#6

Bromomethane

Concen: 3.985 ug/L

RT: 1.54 min Scan# 201

Delta R.T. 0.00 min

Lab File: VV006973.D

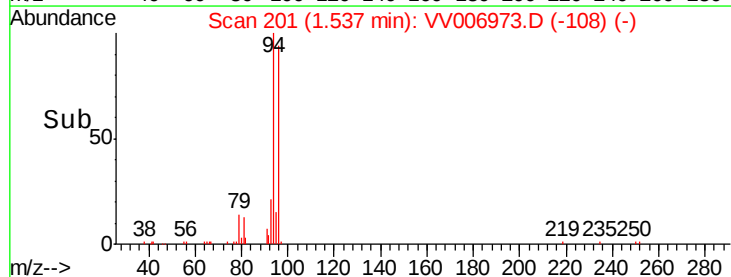
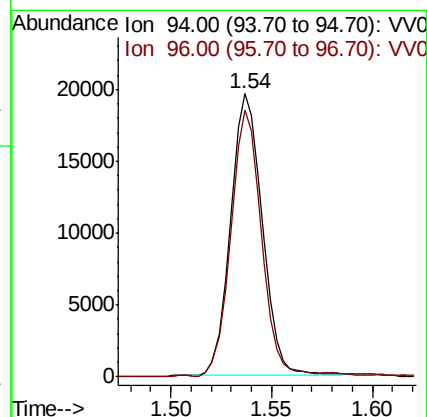
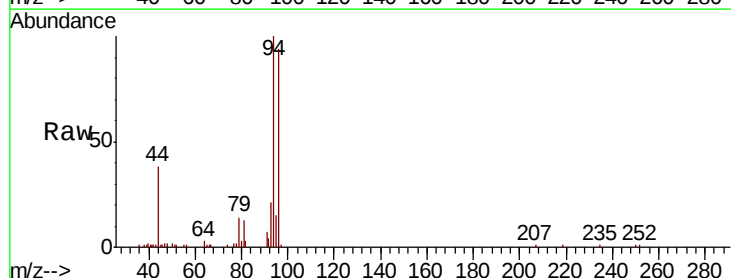
Acq: 10 Aug 2018 09:33

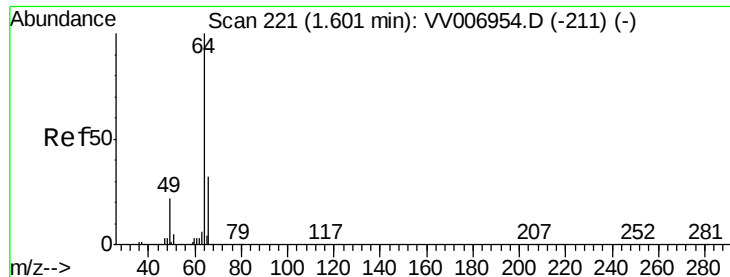
Tgt Ion: 94 Resp: 21520

Ion Ratio Lower Upper

94 100

96 94.4 65.0 120.6





#8

Chloroethane

Concen: 4.981 ug/L

RT: 1.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VV006973.D

Acq: 10 Aug 2018 09:33

Instrument :

MSVOA_V

ClientSampleId :

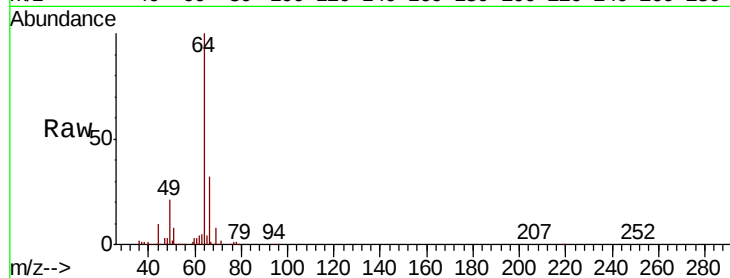
VSTD00583

Tot Ion: 64 Resp: 75207

Ion Ratio Lower Upper

64 100

66 31.5 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VV006954.D (-211) (-)

Ion 66.05 (65.75 to 66.75): VV006973.D (-128) (-)

1.60

60000

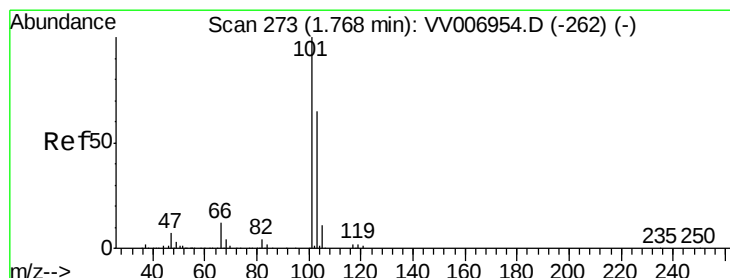
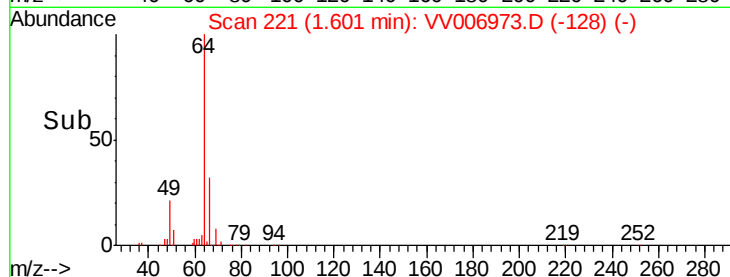
40000

20000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 4.970 ug/L

RT: 1.77 min Scan# 274

Delta R.T. 0.00 min

Lab File: VV006973.D

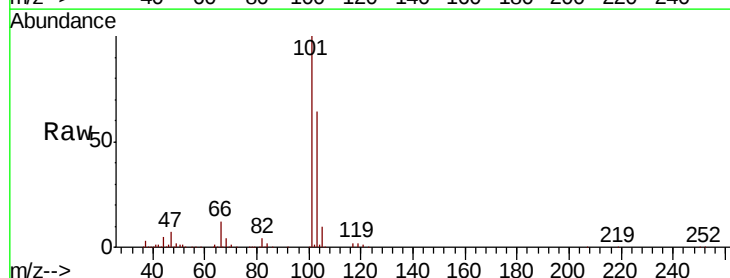
Acq: 10 Aug 2018 09:33

Tgt Ion: 101 Resp: 157373

Ion Ratio Lower Upper

101 100

103 64.4 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): VV006954.D (-262) (-)

Ion 103.00 (102.70 to 103.70): VV006973.D (-180) (-)

1.77

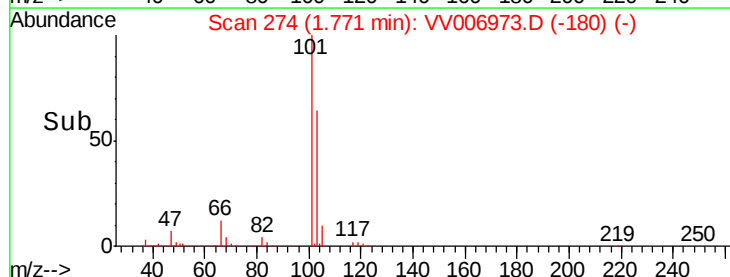
100000

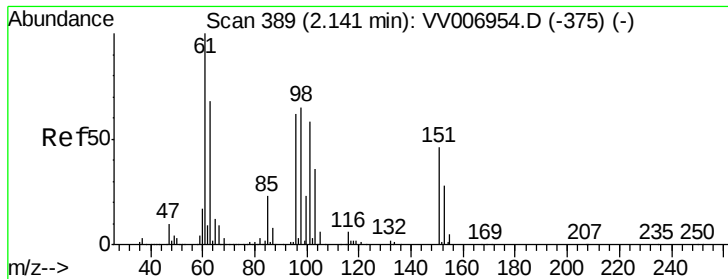
50000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 5.174 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006973.D

Acq: 10 Aug 2018 09:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD00583

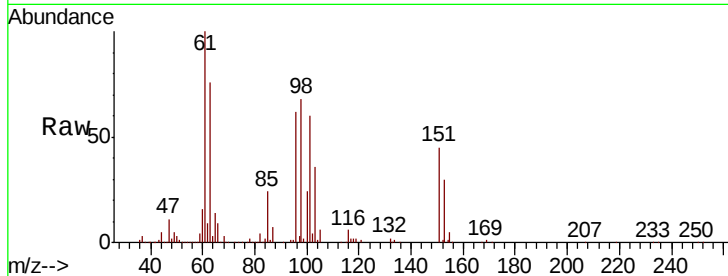
Tot Ion:101 Resp: 98314

Ion Ratio Lower Upper

101 100

85 40.7 33.9 50.9

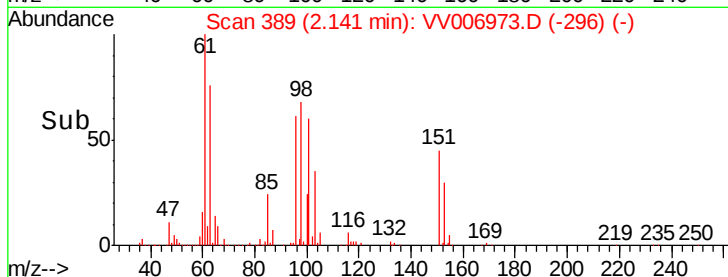
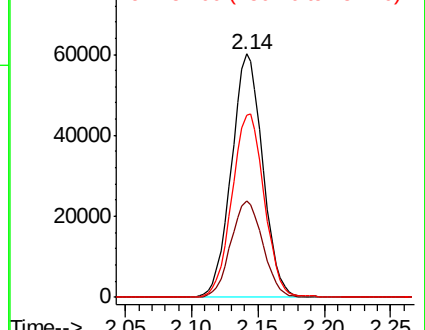
151 77.7 64.1 96.1



Abundance Ion 101.00 (100.70 to 101.70): VV006954.D (-375) (-)

Ion 85.00 (84.70 to 85.70): VV006954.D (-375) (-)

Ion 151.00 (150.70 to 151.70): VV006954.D (-375) (-)



#12

1,1-Dichloroethene

Concen: 4.870 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006973.D

Acq: 10 Aug 2018 09:33

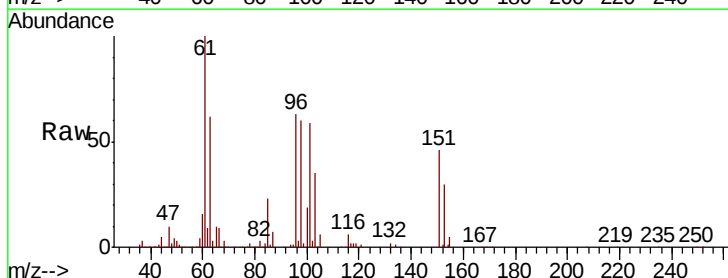
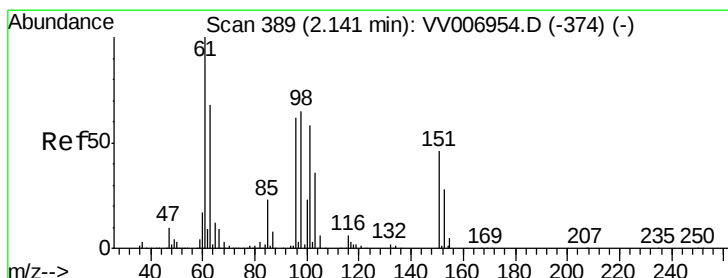
Tgt Ion: 96 Resp: 89838

Ion Ratio Lower Upper

96 100

61 158.2 111.6 207.4

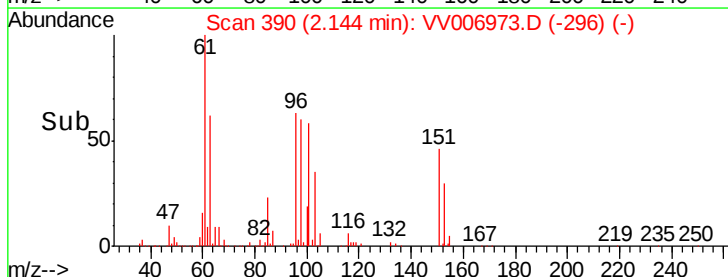
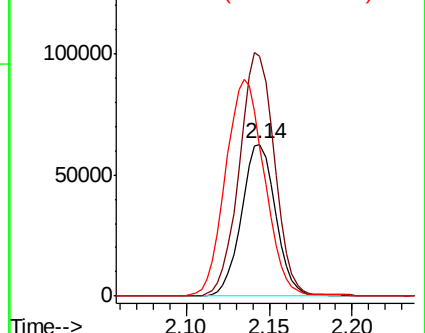
63 97.8 84.9 157.7

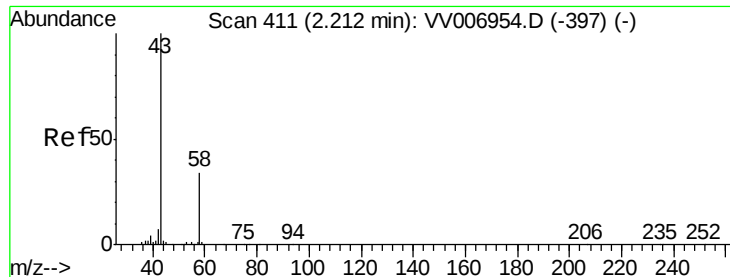


Abundance Ion 96.00 (95.70 to 96.70): VV006954.D (-374) (-)

Ion 61.05 (60.75 to 61.75): VV006954.D (-374) (-)

Ion 63.00 (62.70 to 63.70): VV006954.D (-374) (-)





#13

Acetone

Concen: 55.554 ug/L

RT: 2.21 min Scan# 411

Delta R.T. 0.00 min

Lab File: VV006973.D

Acq: 10 Aug 2018 09:33

Instrument :

MSVOA_V

ClientSampled :

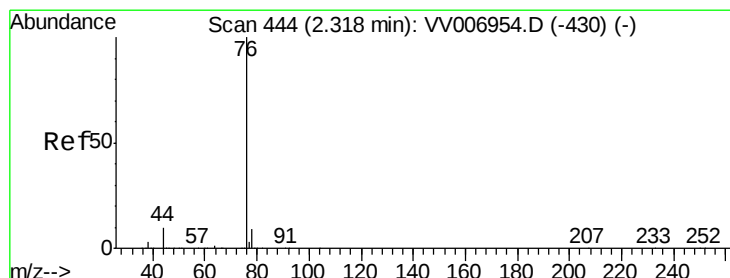
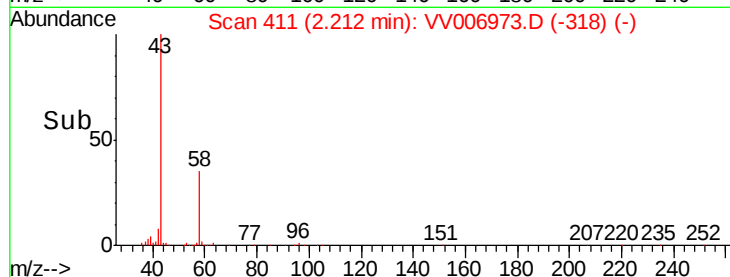
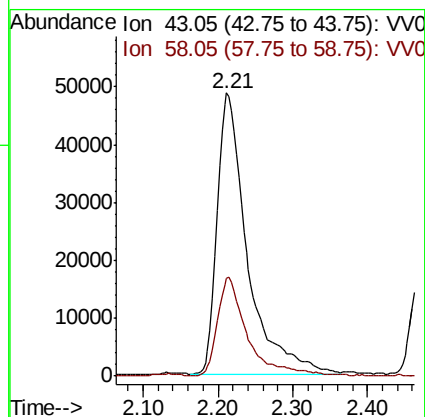
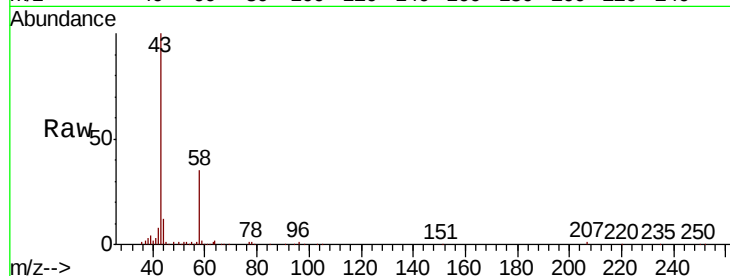
VSTD00583

Tot Ion: 43 Resp: 136413

Ion Ratio Lower Upper

43 100

58 34.9 0.0 71.4



#14

Carbon disulfide

Concen: 4.859 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV006973.D

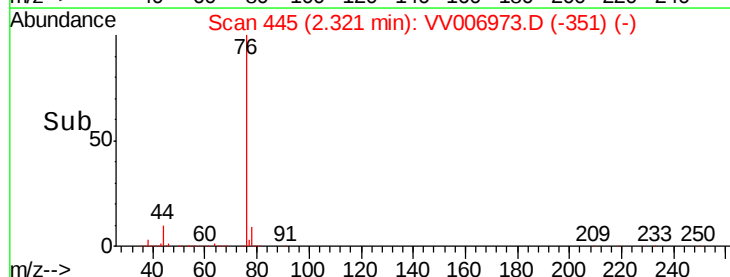
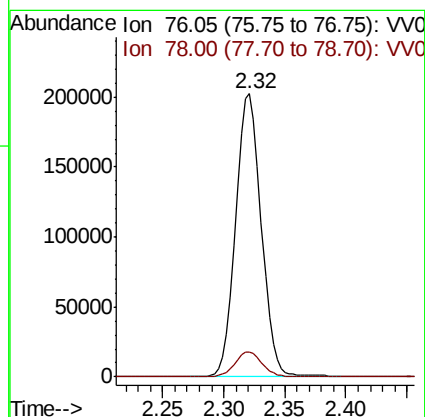
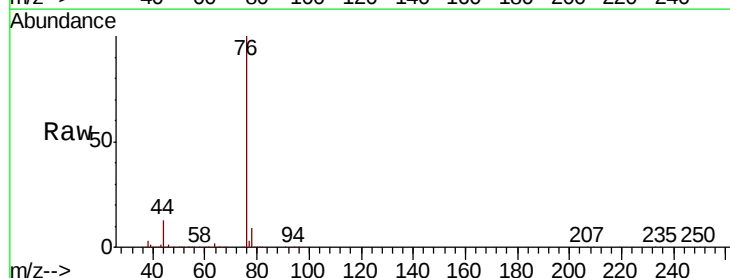
Acq: 10 Aug 2018 09:33

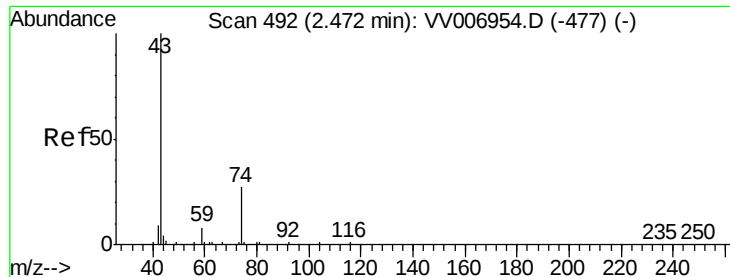
Tgt Ion: 76 Resp: 295913

Ion Ratio Lower Upper

76 100

78 8.9 7.6 11.4





#15

Methyl Acetate

Concen: 4.729 ug/L

RT: 2.47 min Scan# 492

Delta R.T. 0.00 min

Lab File: VV006973.D

Acq: 10 Aug 2018 09:33

Instrument :

MSVOA_V

ClientSampleId :

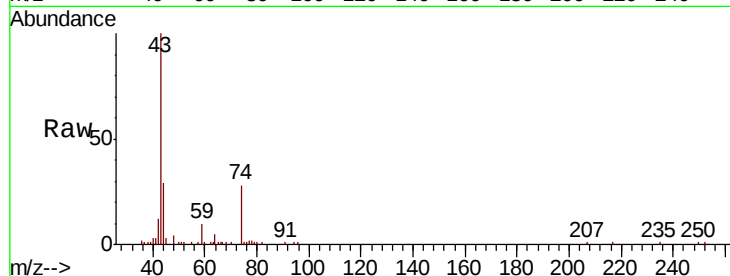
VSTD00583

Tot Ion: 43 Resp: 32683

Ion Ratio Lower Upper

43 100

74 29.4 24.6 37.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

20000

15000

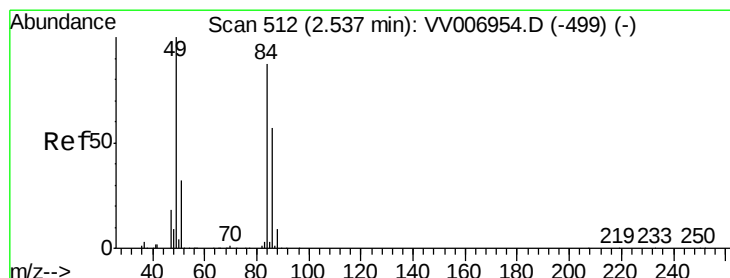
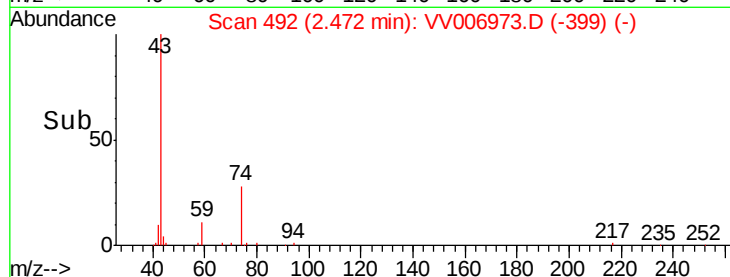
10000

5000

0

2.40 2.45 2.50 2.55

Time-->



#16

Methylene chloride

Concen: 4.358 ug/L

RT: 2.54 min Scan# 513

Delta R.T. 0.00 min

Lab File: VV006973.D

Acq: 10 Aug 2018 09:33

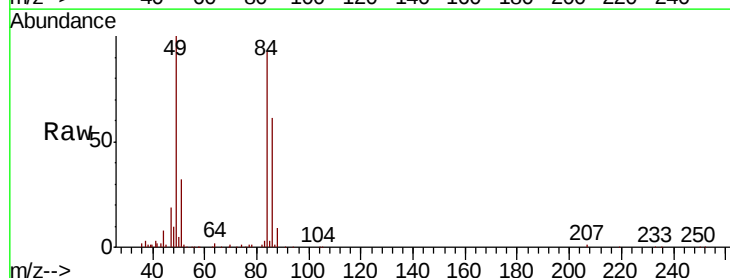
Tgt Ion: 84 Resp: 96932

Ion Ratio Lower Upper

84 100

86 65.9 45.7 84.9

49 107.6 78.8 146.4



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

80000

60000

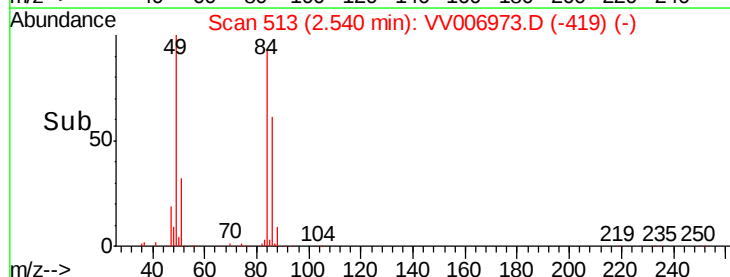
40000

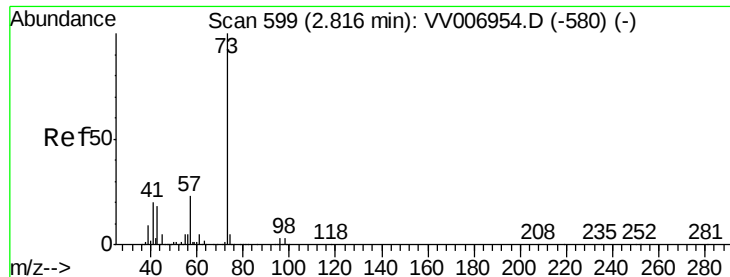
20000

0

2.45 2.50 2.55 2.60

Time-->

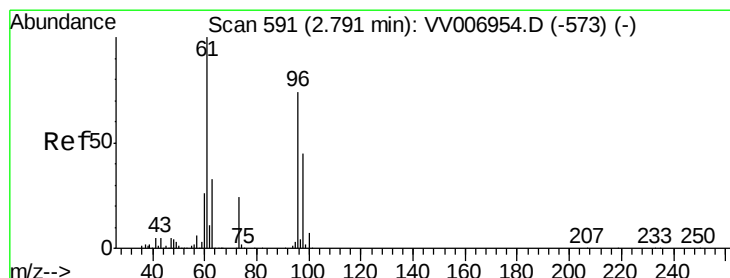
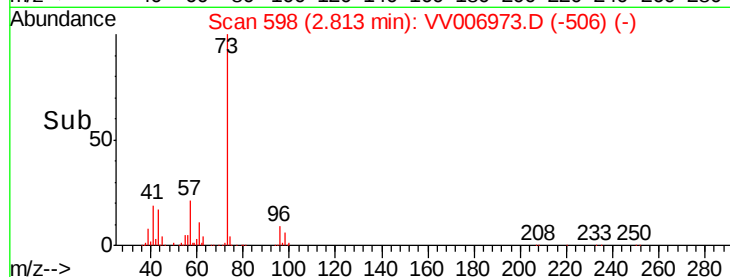
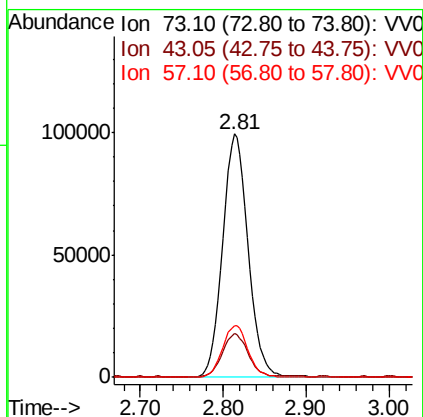
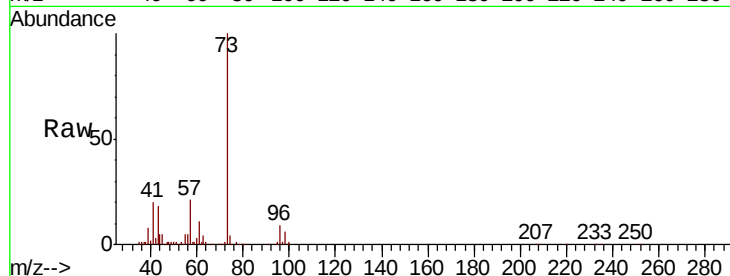




#17
Methvl tert-butvl Ether
Concen: 4.798 ug/L
RT: 2.81 min Scan# 598
Delta R.T. -0.00 min
Lab File: VV006973.D
Acq: 10 Aug 2018 09:33

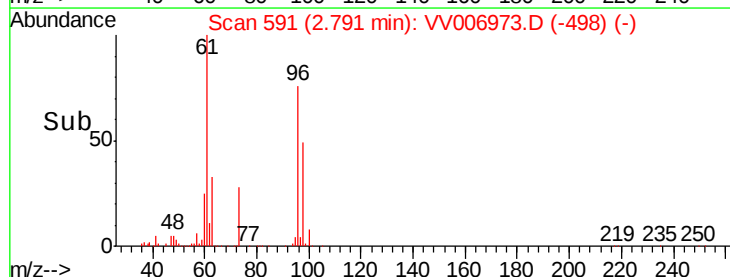
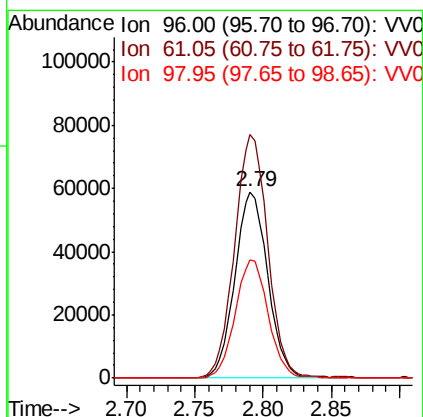
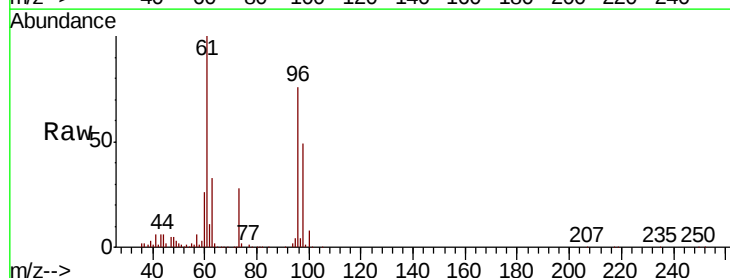
Instrument :
MSVOA_V
ClientSampleId :
VSTD00583

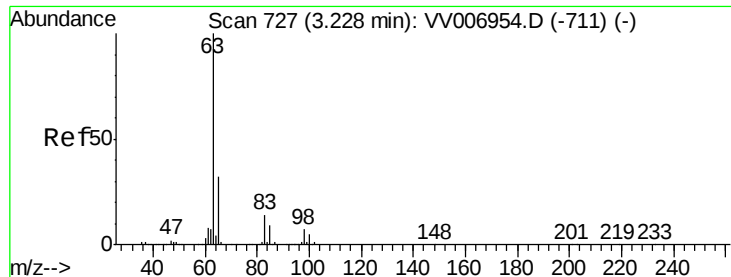
Tot Ion	Ratio	Lower	Upper
73	100		
43	17.8	14.4	21.6
57	21.3	17.9	26.9



#18
trans-1,2-Dichloroethene
Concen: 4.999 ug/L
RT: 2.79 min Scan# 591
Delta R.T. 0.00 min
Lab File: VV006973.D
Acq: 10 Aug 2018 09:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	130.8	91.1	169.3
98	63.5	43.5	80.9

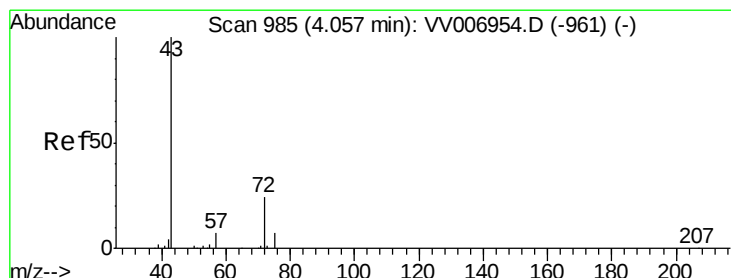
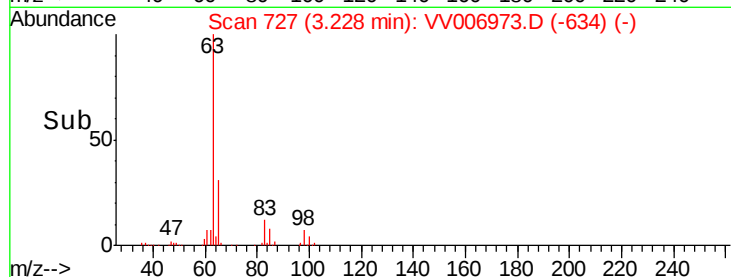
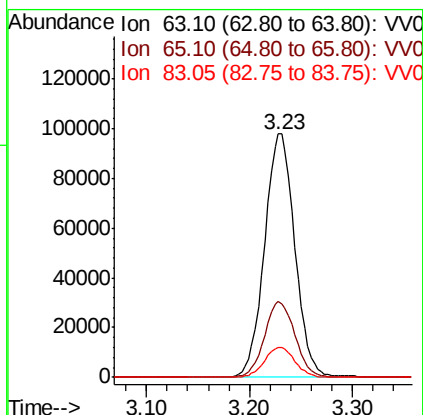
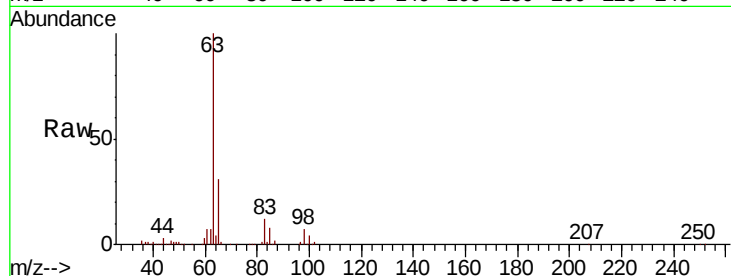




#19
 1,1-Dichloroethane
 Concen: 5.569 ug/L
 RT: 3.23 min Scan# 727
 Delta R.T. 0.00 min
 Lab File: VV006973.D
 Acq: 10 Aug 2018 09:33

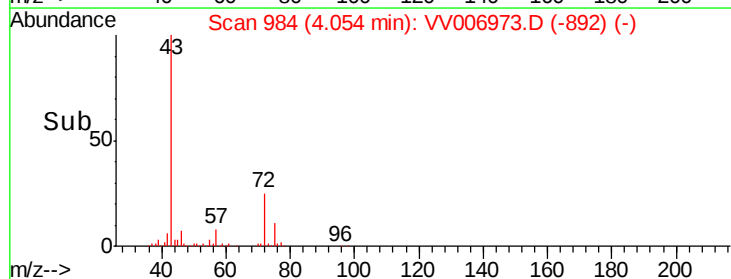
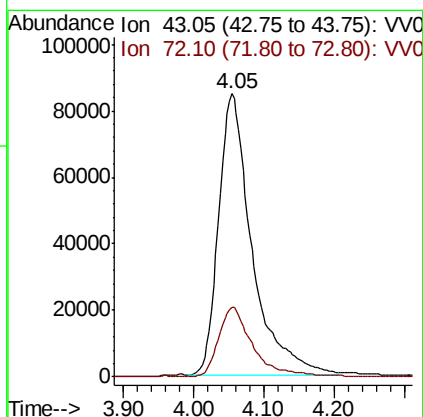
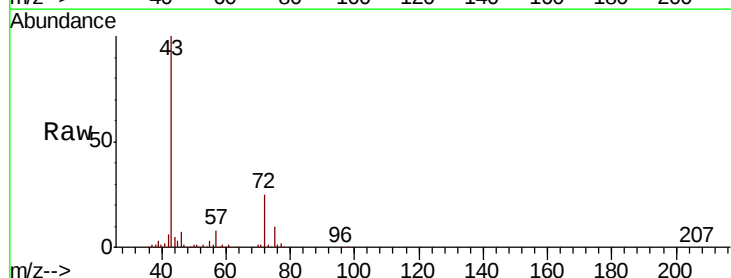
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00583

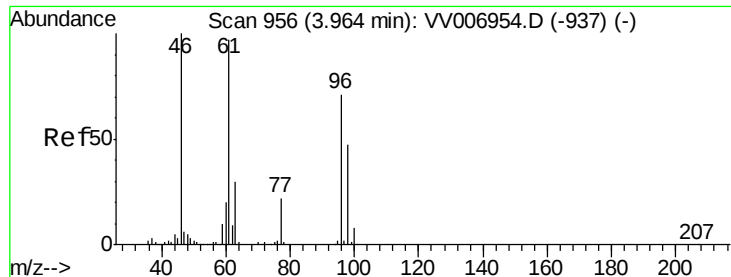
Tot Ion: 63 Resp: 198614
 Ion Ratio Lower Upper
 63 100
 65 31.0 21.7 40.3
 83 12.3 10.0 18.6



#21
 2-Butanone
 Concen: 52.503 ug/L
 RT: 4.05 min Scan# 984
 Delta R.T. -0.00 min
 Lab File: VV006973.D
 Acq: 10 Aug 2018 09:33

Tgt Ion: 43 Resp: 279914
 Ion Ratio Lower Upper
 43 100
 72 25.4 12.4 37.2



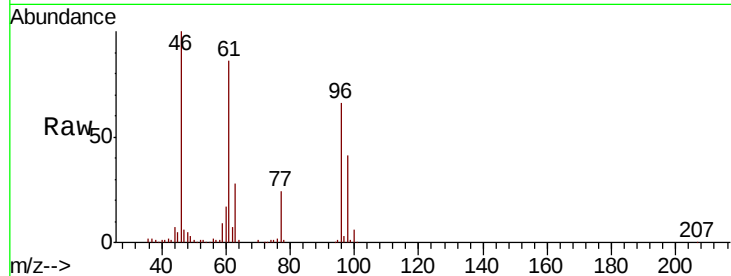


#22

cis-1,2-Dichloroethene
 Concen: 4.868 ug/L
 RT: 3.96 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: VV006973.D
 Acq: 10 Aug 2018 09:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00583

Tot Ion	96	Resp	109122
Ion	Ratio	Lower	Upper
96	100		
61	131.2	91.1	169.1
68	0.0	0.0	0.0

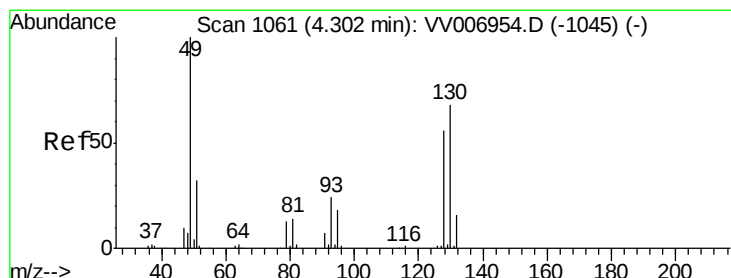
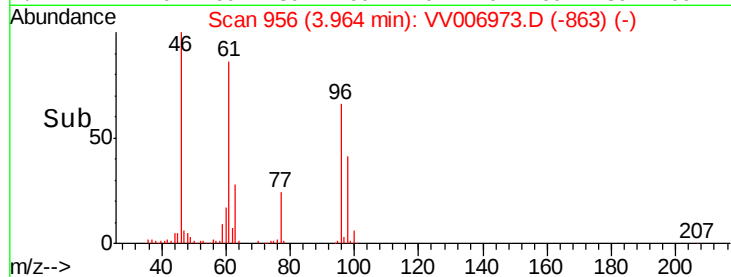
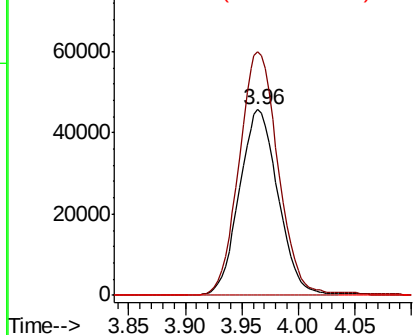


Abundance

Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

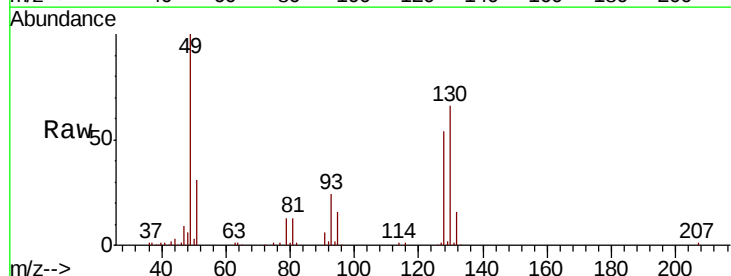
Ion 68.15 (67.85 to 68.85): VV0



#23

Bromochloromethane
 Concen: 5.001 ug/L
 RT: 4.30 min Scan# 1062
 Delta R.T. 0.00 min
 Lab File: VV006973.D
 Acq: 10 Aug 2018 09:33

Tgt Ion	128	Resp	45692
Ion	Ratio	Lower	Upper
128	100		
49	184.5	138.6	257.4
130	121.8	90.0	167.2
51	57.1	46.9	70.3



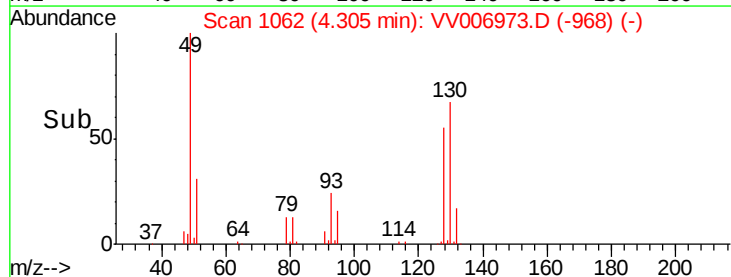
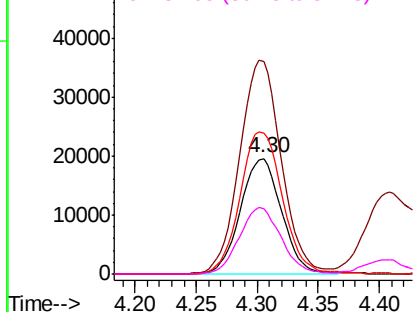
Abundance

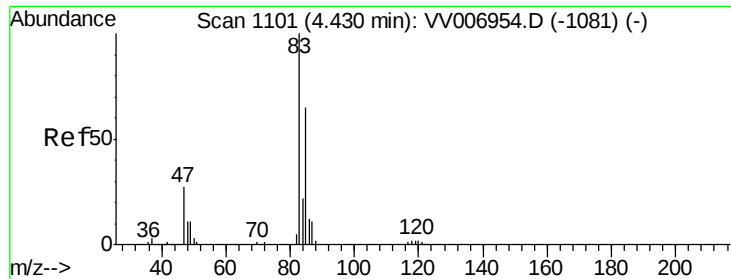
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VV0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VV0

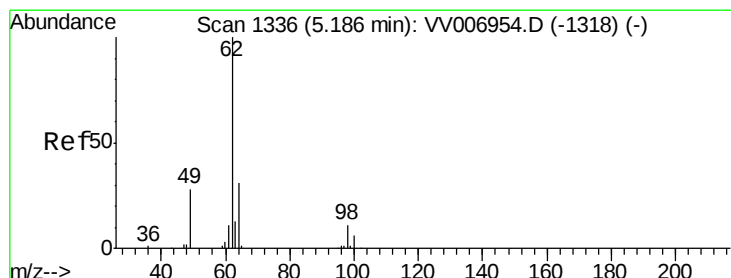
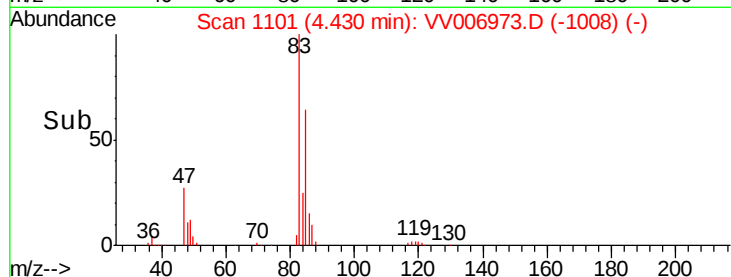
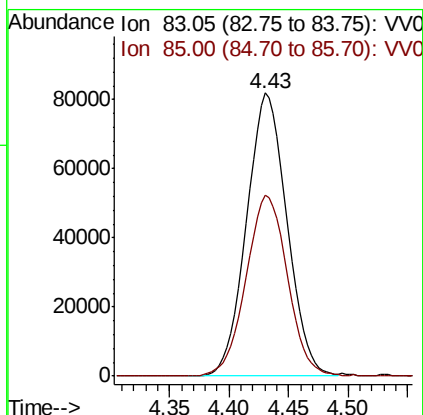
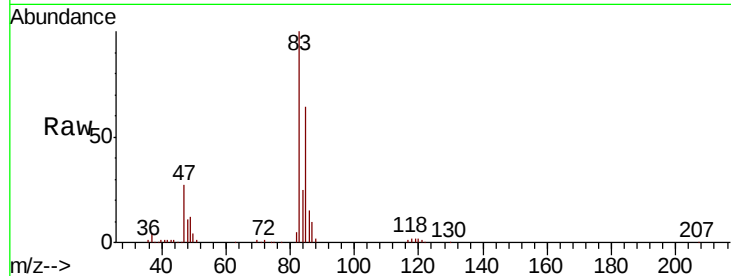




#25
Chloroform
Concen: 4.945 ug/L
RT: 4.43 min Scan# 1101
Delta R.T. 0.00 min
Lab File: VV006973.D
Acq: 10 Aug 2018 09:33

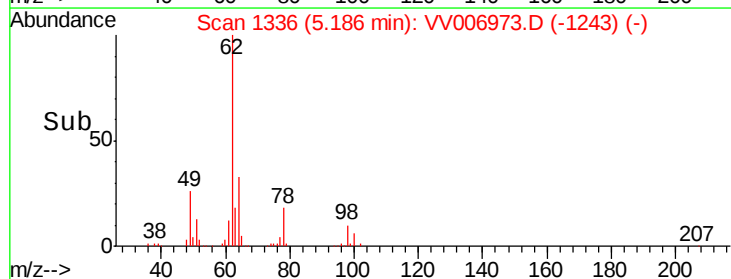
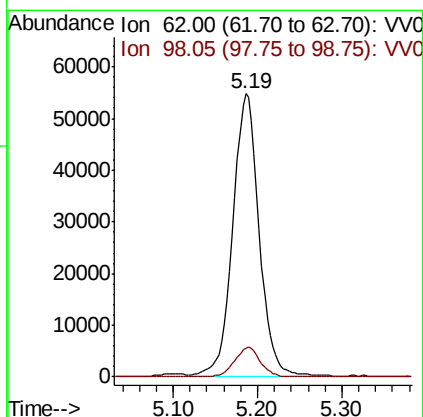
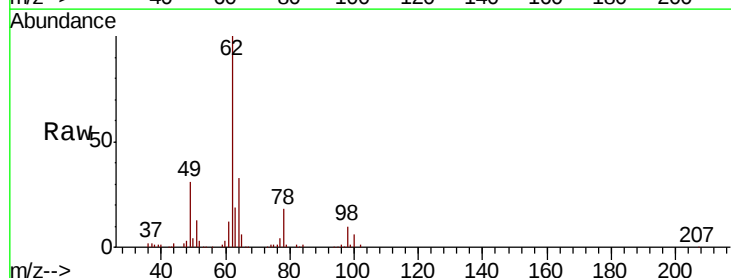
Instrument :
MSVOA_V
ClientSampleId :
VSTD00583

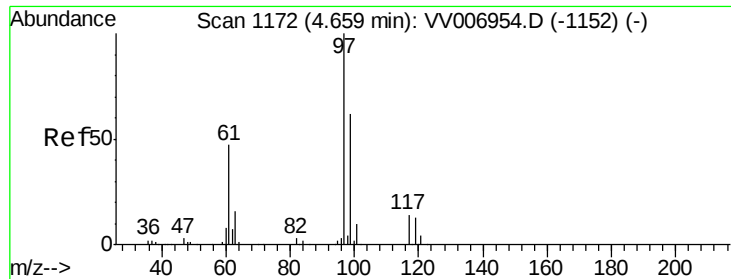
Tot Ion: 83 Resp: 192942
Ion Ratio Lower Upper
83 100
85 63.8 44.7 82.9



#27
1,2-Dichloroethane
Concen: 4.876 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VV006973.D
Acq: 10 Aug 2018 09:33

Tgt Ion: 62 Resp: 118638
Ion Ratio Lower Upper
62 100
98 10.2 7.6 11.4

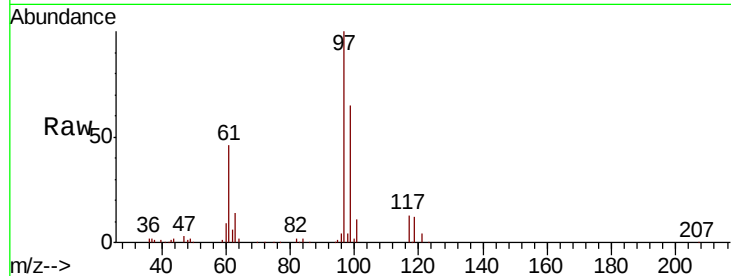




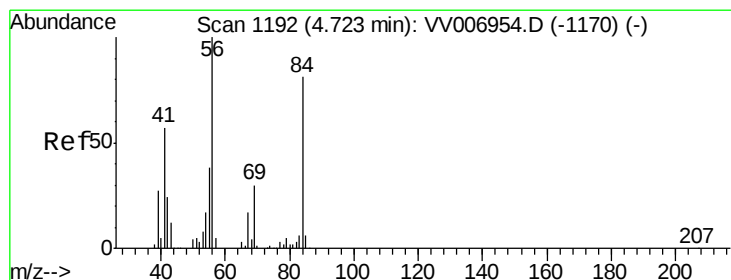
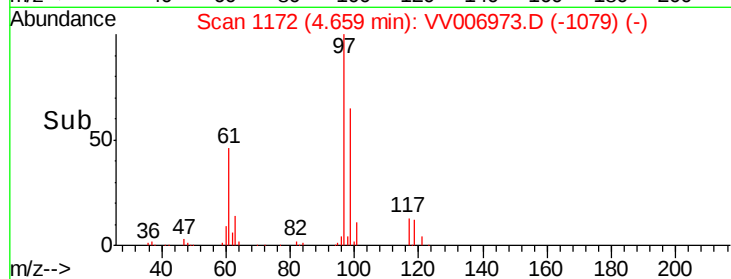
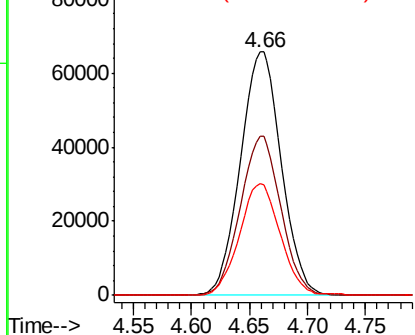
#29
 1,1,1-Trichloroethane
 Concen: 4.810 ug/L
 RT: 4.66 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VV006973.D
 Acq: 10 Aug 2018 09:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00583

Tot Ion: 97 Resp: 161392
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.0 76.6
 61 45.8 36.6 54.8

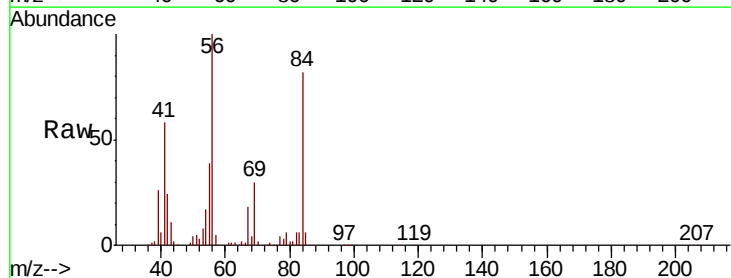


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

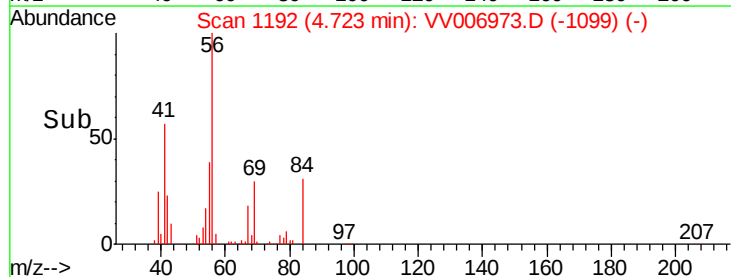
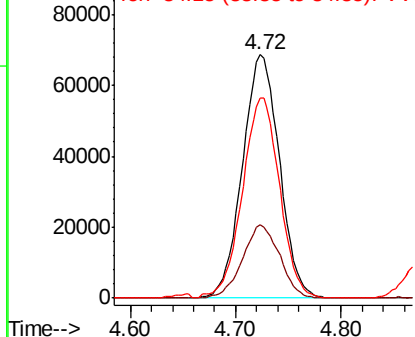


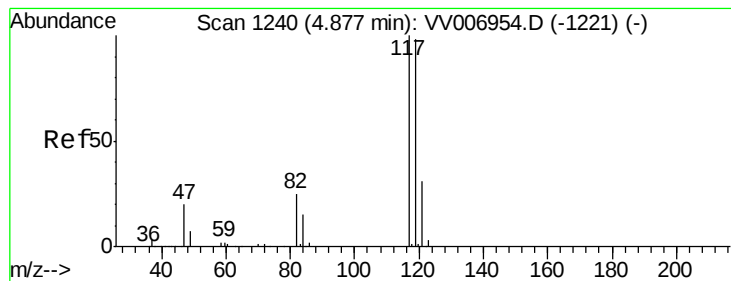
#30
 Cyclohexane
 Concen: 4.803 ug/L
 RT: 4.72 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VV006973.D
 Acq: 10 Aug 2018 09:33

Tgt Ion: 56 Resp: 167749
 Ion Ratio Lower Upper
 56 100
 69 30.2 23.8 35.6
 84 82.6 67.9 101.9



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 4.872 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VV006973.D

Acq: 10 Aug 2018 09:33

Instrument :

MSVOA_V

ClientSampleId :

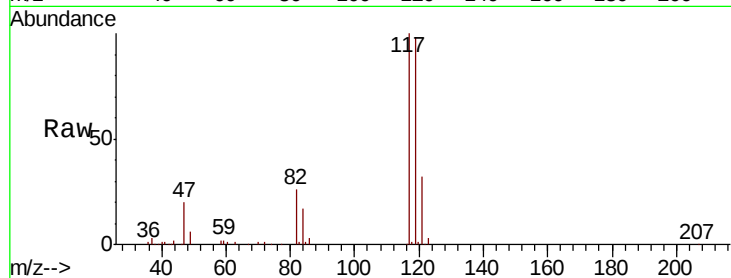
VSTD00583

Tot Ion:117 Resp: 137105

Ion Ratio Lower Upper

117 100

119 97.8 76.2 114.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.88

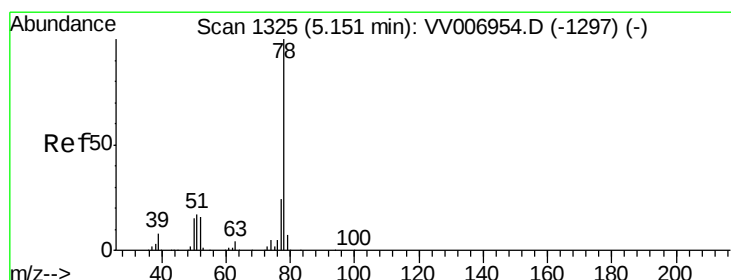
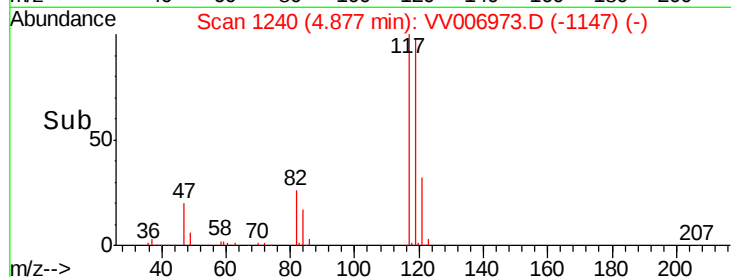
60000

40000

20000

0

Time--> 4.80 4.90 5.00



#33

Benzene

Concen: 4.946 ug/L

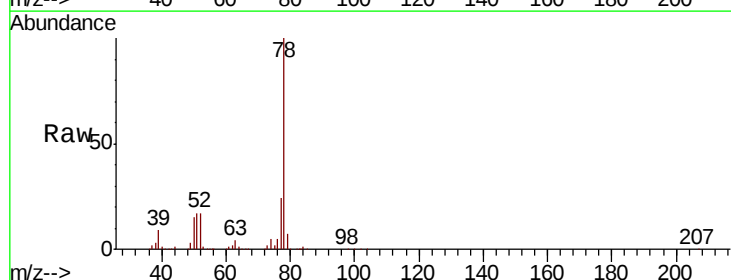
RT: 5.15 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VV006973.D

Acq: 10 Aug 2018 09:33

Tgt Ion: 78 Resp: 431195



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.15

200000

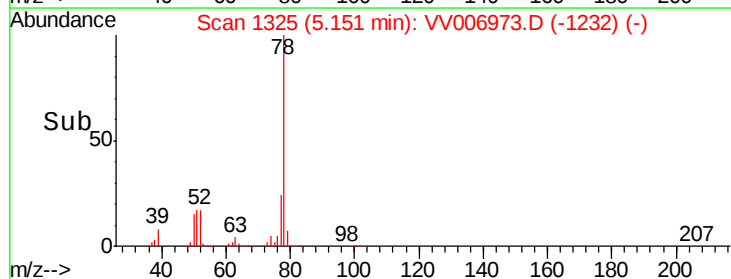
150000

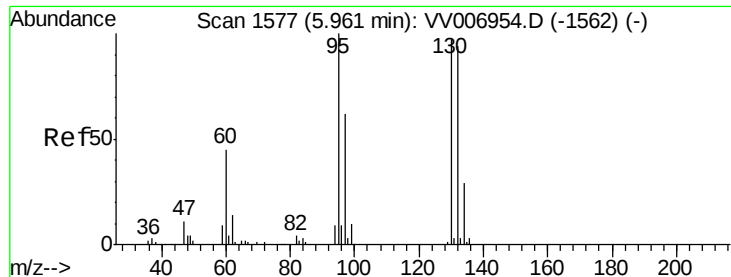
100000

50000

0

Time--> 5.00 5.10 5.20

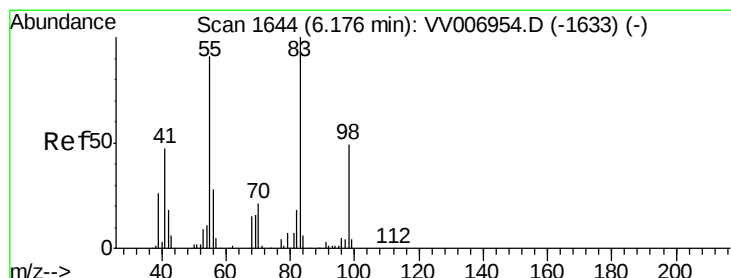
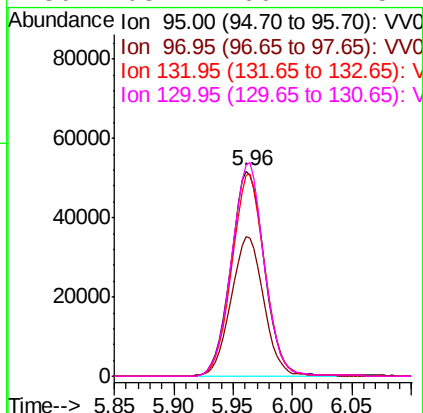
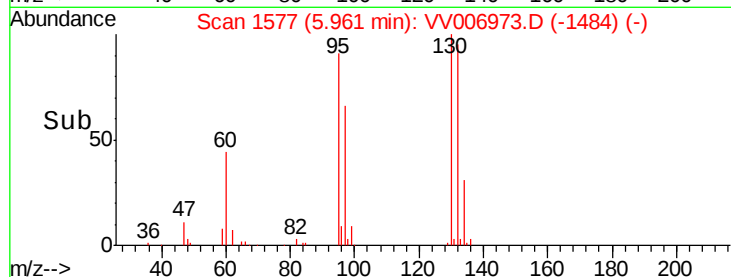
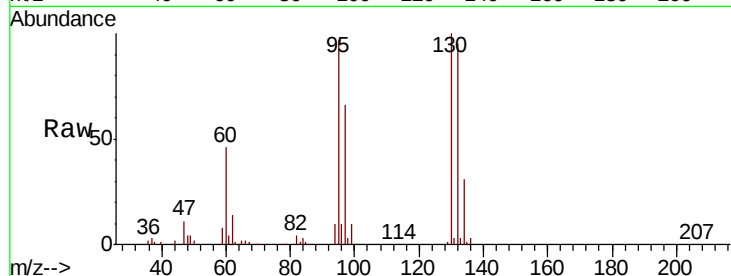




#34
 Trichloroethene
 Concen: 4.847 ug/L
 RT: 5.96 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VV006973.D
 Acq: 10 Aug 2018 09:33

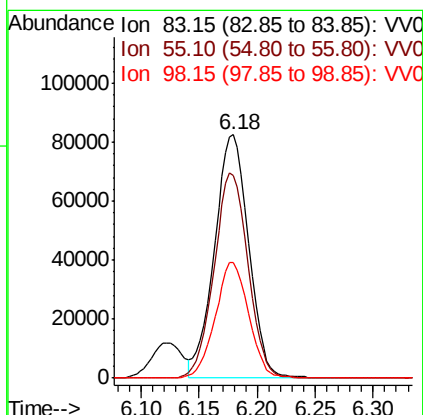
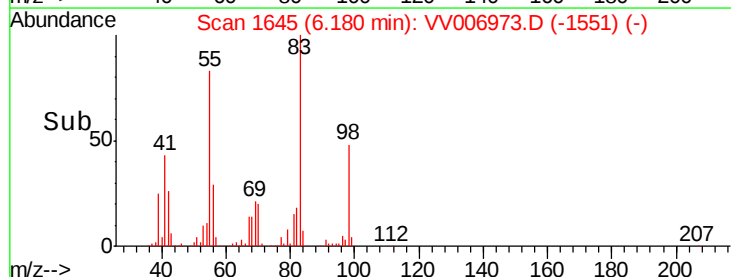
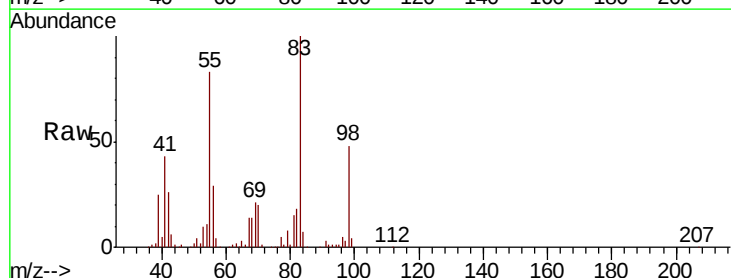
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00583

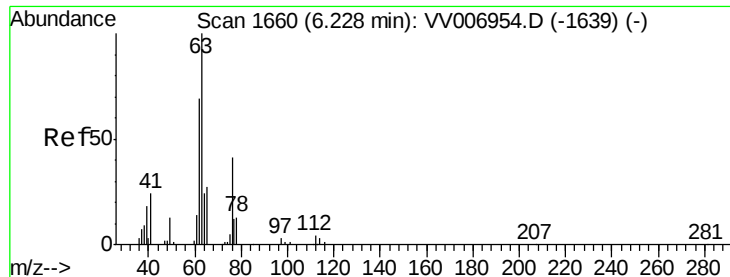
Tot Ion:	95	Resp:	101333
Ion	Ratio	Lower	Upper
95	100		
97	67.9	44.8	83.2
132	98.2	65.5	121.6
130	103.2	66.4	123.4



#35
 Methylcyclohexane
 Concen: 5.035 ug/L
 RT: 6.18 min Scan# 1645
 Delta R.T. 0.00 min
 Lab File: VV006973.D
 Acq: 10 Aug 2018 09:33

Tgt Ion:	83	Resp:	168977
Ion	Ratio	Lower	Upper
83	100		
55	83.9	68.1	102.1
98	46.6	37.9	56.9

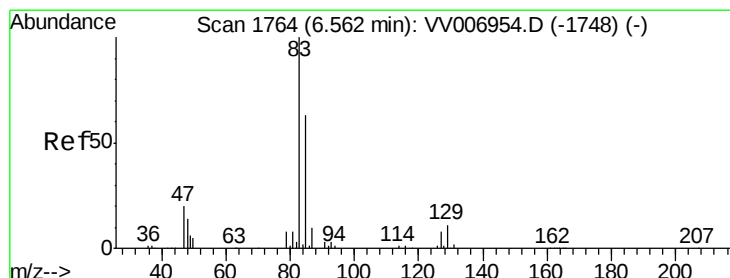
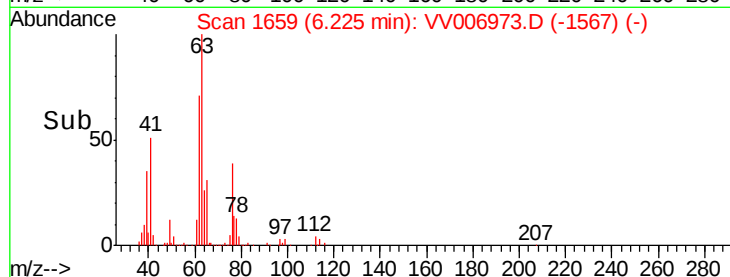
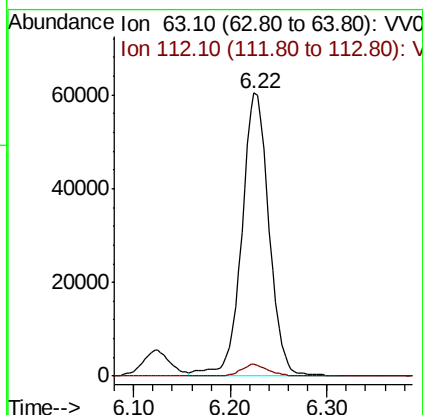
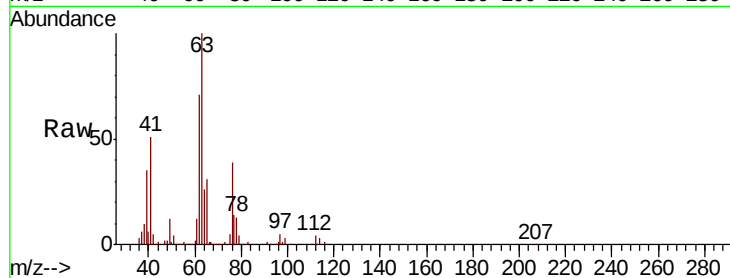




#37
 1,2-Dichloropropane
 Concen: 4.928 ug/L
 RT: 6.22 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VV006973.D
 Acq: 10 Aug 2018 09:33

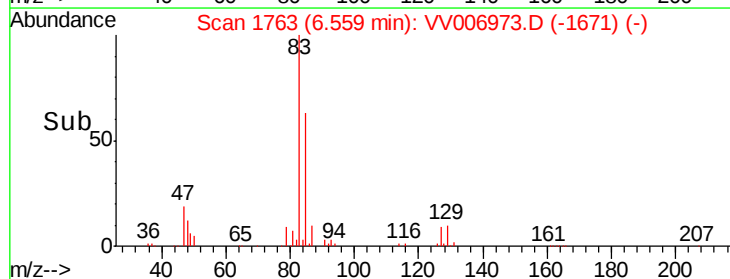
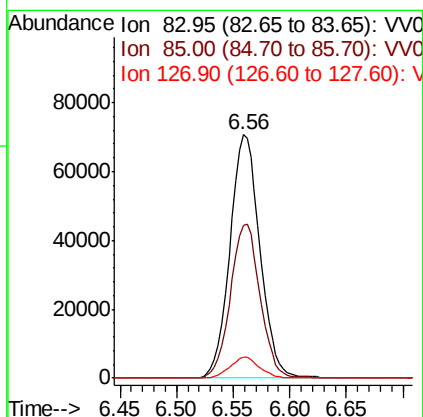
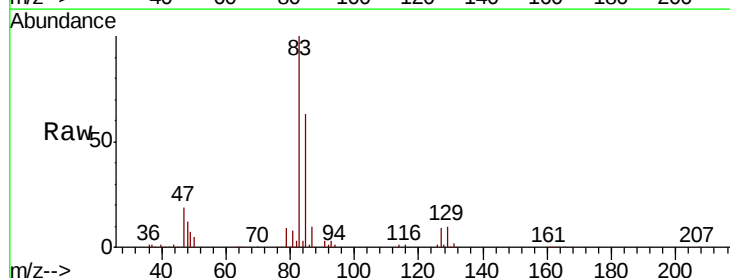
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00583

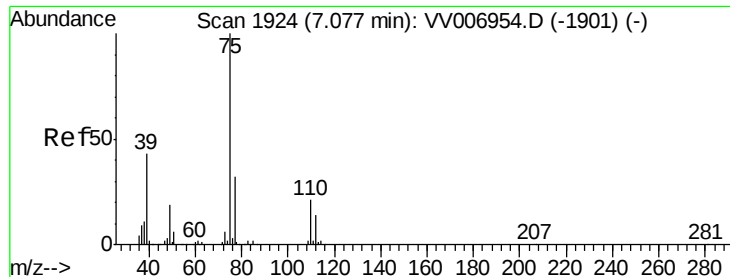
Tot Ion: 63 Resp: 117610
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.5 5.3



#38
 Bromodichloromethane
 Concen: 4.807 ug/L
 RT: 6.56 min Scan# 1763
 Delta R.T. -0.00 min
 Lab File: VV006973.D
 Acq: 10 Aug 2018 09:33

Tgt Ion: 83 Resp: 130347
 Ion Ratio Lower Upper
 83 100
 85 63.0 43.8 81.4
 127 8.7 6.6 10.0



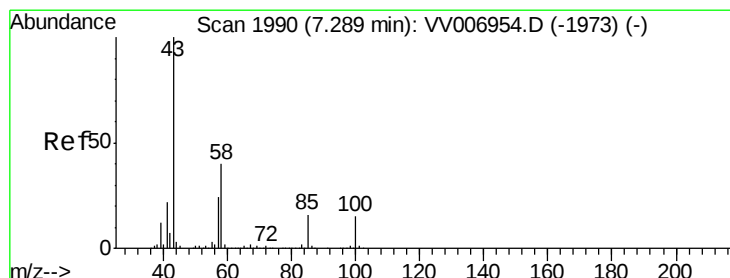
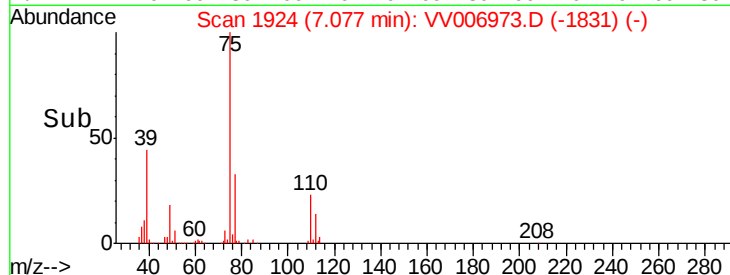
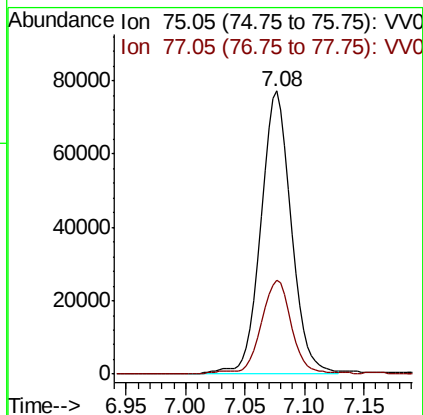
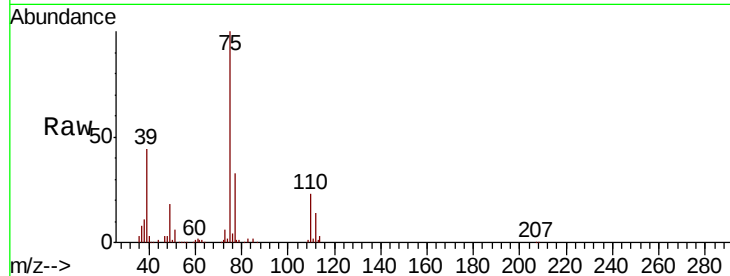


#39

cis-1,3-Dichloropropene
 Concen: 4.752 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV006973.D
 Acq: 10 Aug 2018 09:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00583

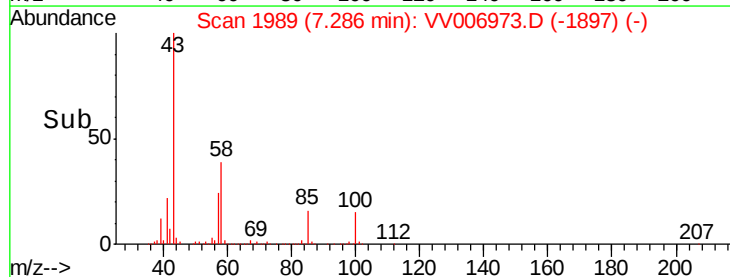
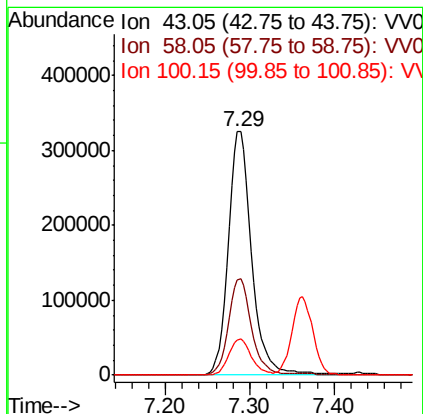
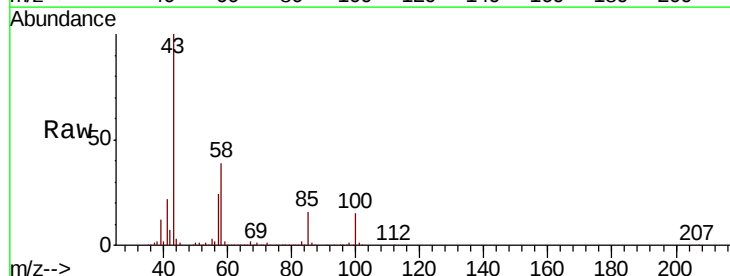
Tot Ion: 75 Resp: 136998
 Ion Ratio Lower Upper
 75 100
 77 33.2 22.0 40.8

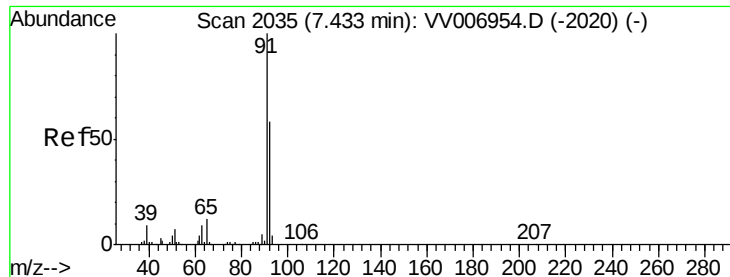


#40

4-Methyl-2-pentanone
 Concen: 48.530 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. -0.00 min
 Lab File: VV006973.D
 Acq: 10 Aug 2018 09:33

Tgt Ion: 43 Resp: 625576
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.7 46.1
 100 14.4 11.2 16.8





#42

Toluene

Concen: 5.191 ug/L

RT: 7.43 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VV006973.D

Acq: 10 Aug 2018 09:33

Instrument :

MSVOA_V

ClientSampleId :

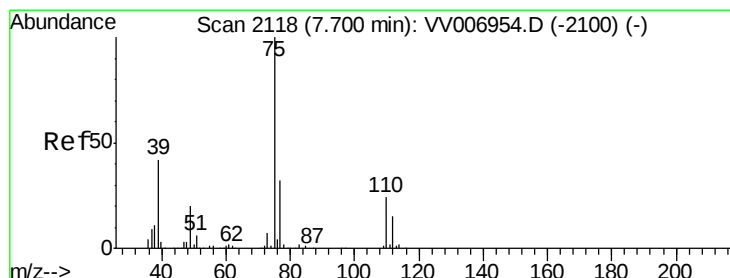
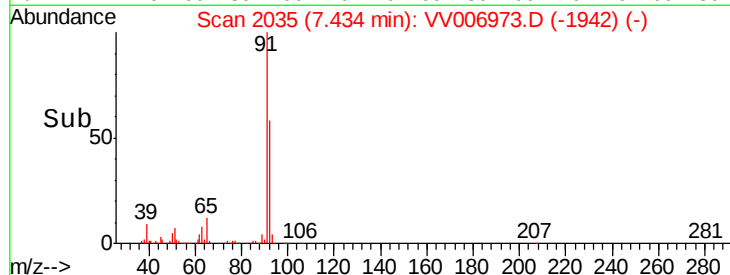
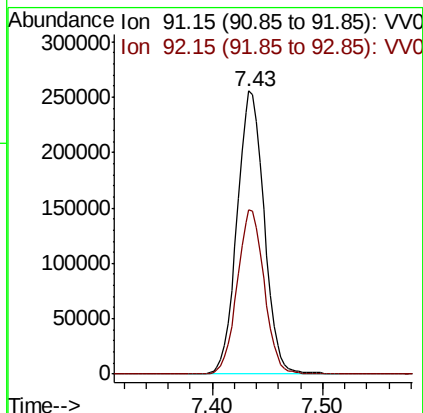
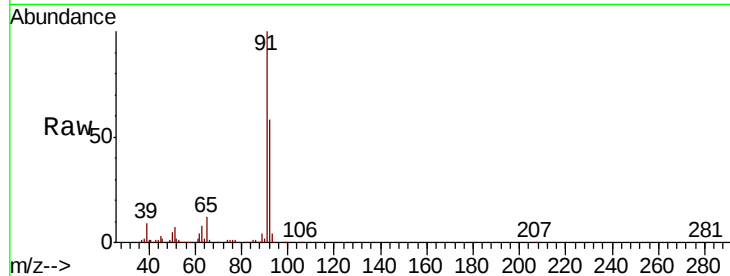
VSTD00583

Tot Ion: 91 Resp: 434909

Ion Ratio Lower Upper

91 100

92 58.1 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 4.916 ug/L

RT: 7.70 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VV006973.D

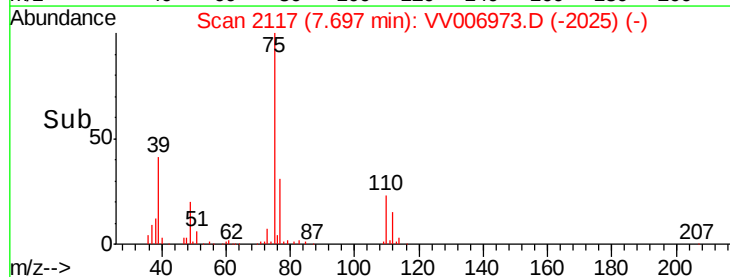
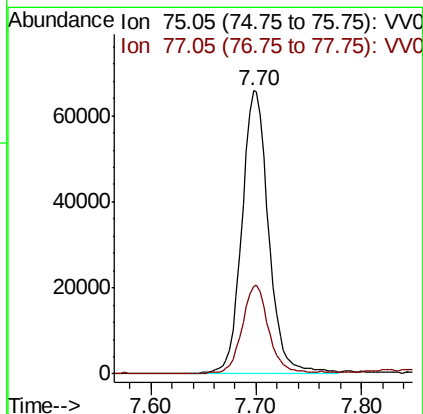
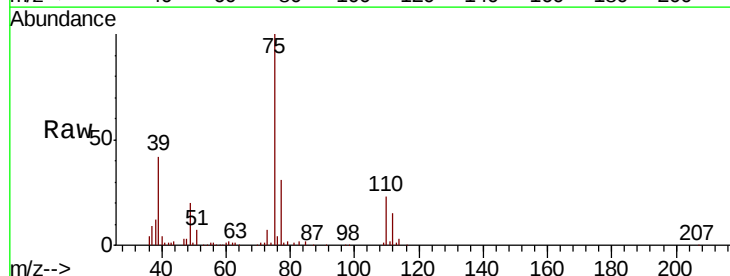
Acq: 10 Aug 2018 09:33

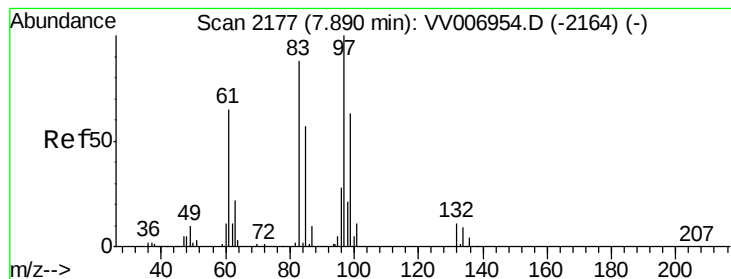
Tgt Ion: 75 Resp: 116318

Ion Ratio Lower Upper

75 100

77 31.0 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 4.679 ug/L

RT: 7.89 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VV006973.D

Acq: 10 Aug 2018 09:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD00583

Tot Ion: 97 Resp: 72637

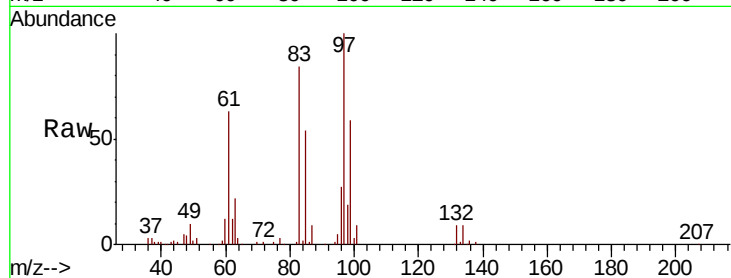
Ion Ratio Lower Upper

97 100

99 58.7 40.6 75.4

83 84.2 58.0 107.8

85 54.3 37.5 69.7



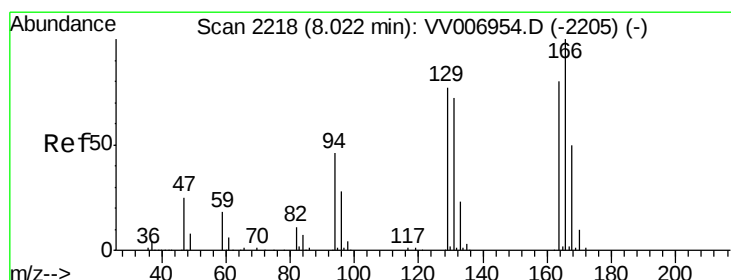
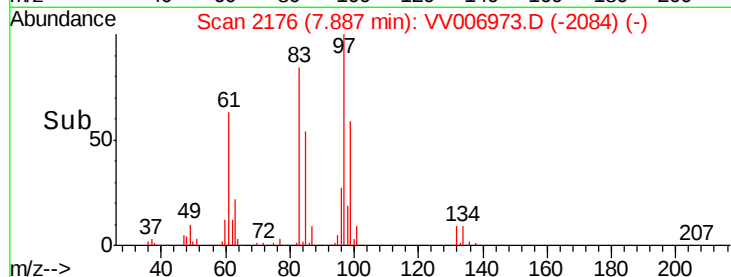
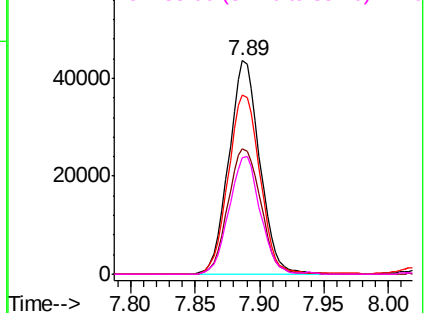
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 5.013 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VV006973.D

Acq: 10 Aug 2018 09:33

Tgt Ion: 164 Resp: 84960

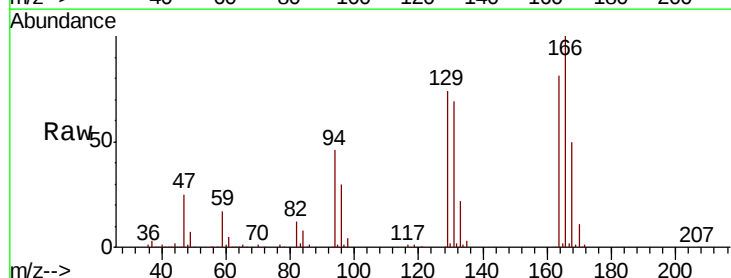
Ion Ratio Lower Upper

164 100

129 91.8 65.9 122.3

131 85.7 64.2 119.2

166 123.9 89.4 166.0



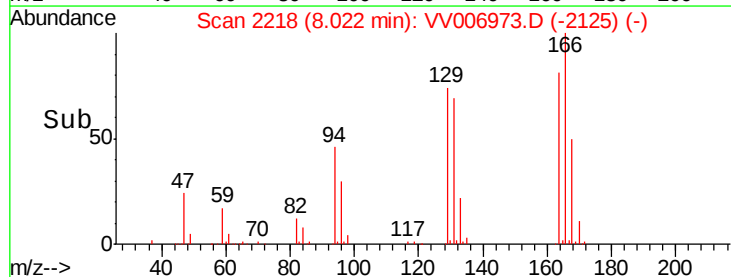
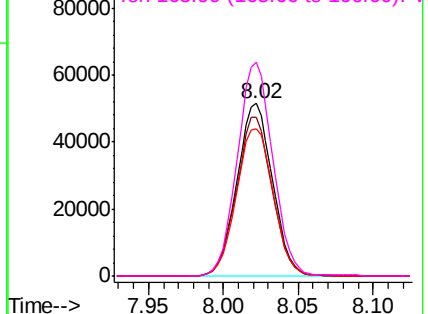
Abundance

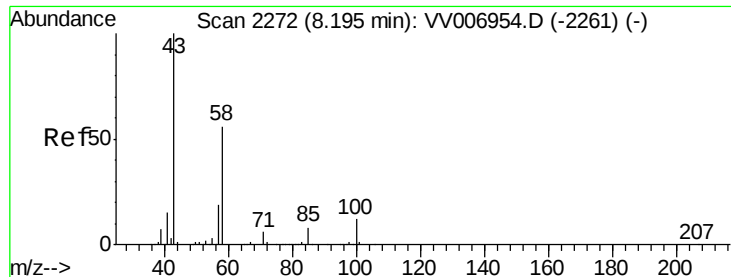
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

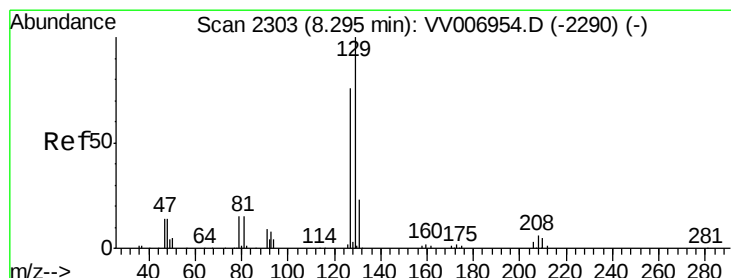
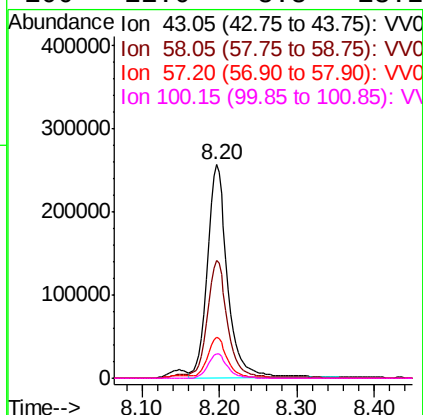
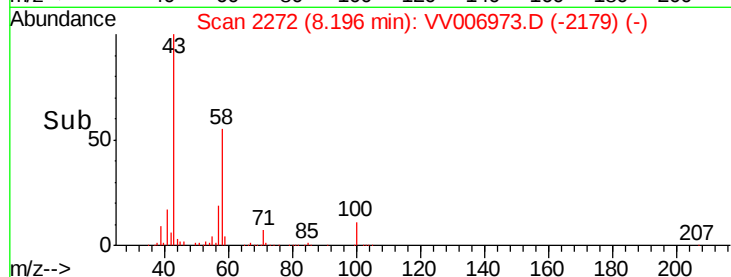
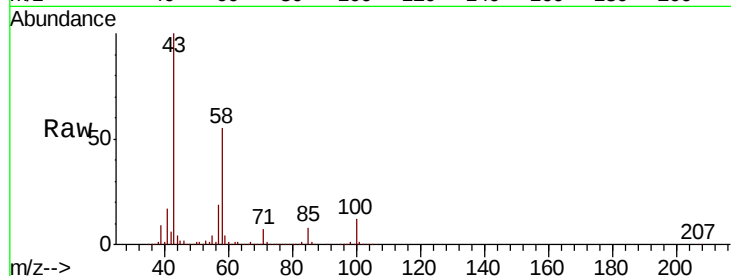




#48
2-Hexanone
Concen: 51.575 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV006973.D
Acq: 10 Aug 2018 09:33

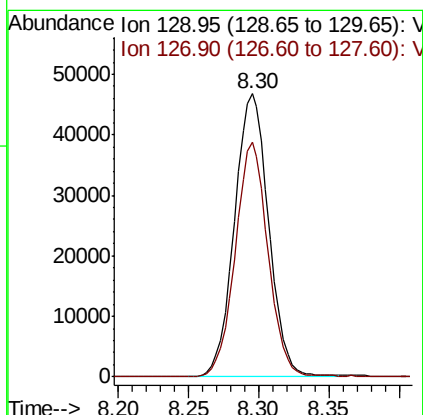
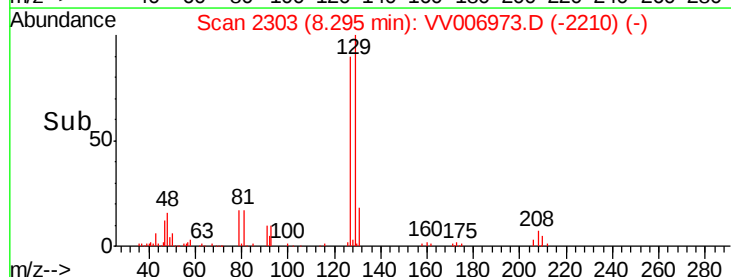
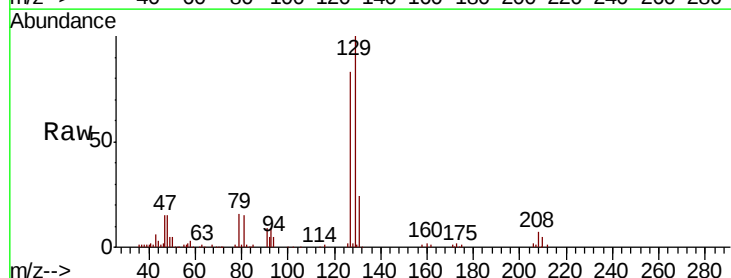
Instrument :
MSVOA_V
ClientSampleId :
VSTD00583

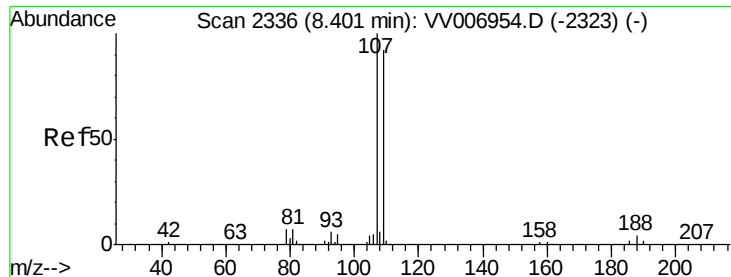
Tot Ion:	43	Resp:	468887
Ion	Ratio	Lower	Upper
43	100		
58	57.3	44.2	66.2
57	18.5	14.8	22.2
100	11.0	8.8	13.2



#49
Dibromochloromethane
Concen: 4.885 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV006973.D
Acq: 10 Aug 2018 09:33

Tgt Ion:	129	Resp:	79561
Ion	Ratio	Lower	Upper
129	100		
127	83.1	53.3	98.9





#50

1,2-Dibromoethane

Concen: 4.775 ug/L

RT: 8.40 min Scan# 2336

Delta R.T. 0.00 min

Lab File: VV006973.D

Acq: 10 Aug 2018 09:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD00583

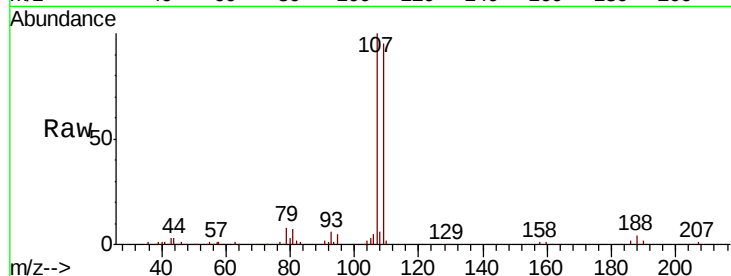
Tot Ion:107 Resp: 62618

Ion Ratio Lower Upper

107 100

109 95.2 64.1 119.1

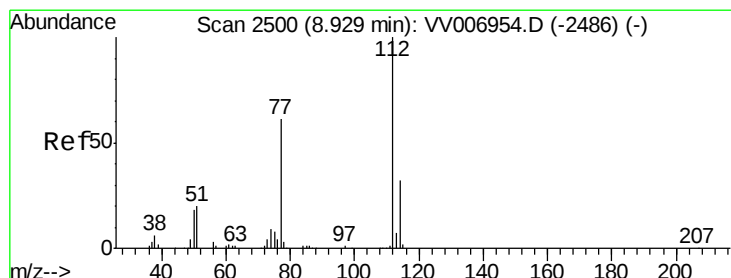
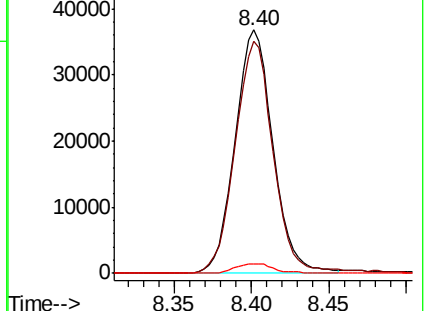
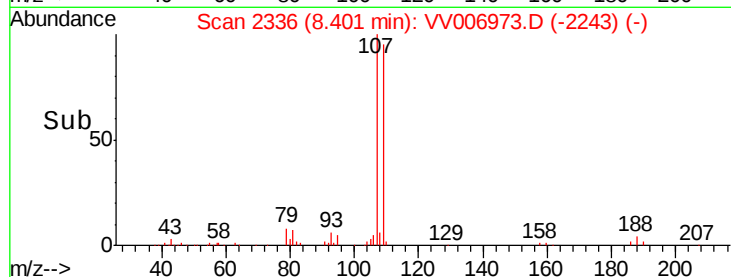
188 4.1 4.0 6.0



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: 4.942 ug/L

RT: 8.93 min Scan# 2500

Delta R.T. 0.00 min

Lab File: VV006973.D

Acq: 10 Aug 2018 09:33

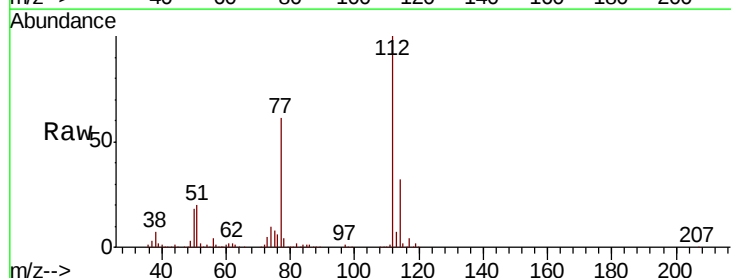
Tgt Ion:112 Resp: 263922

Ion Ratio Lower Upper

112 100

114 31.8 21.8 40.6

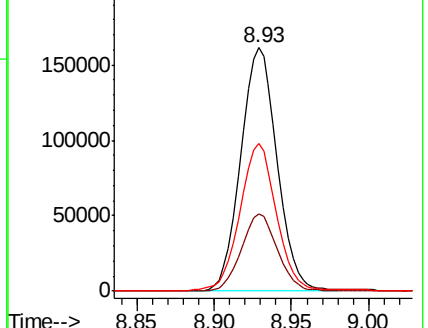
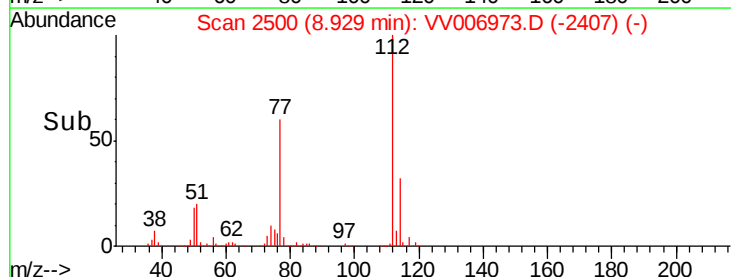
77 60.5 48.0 72.0

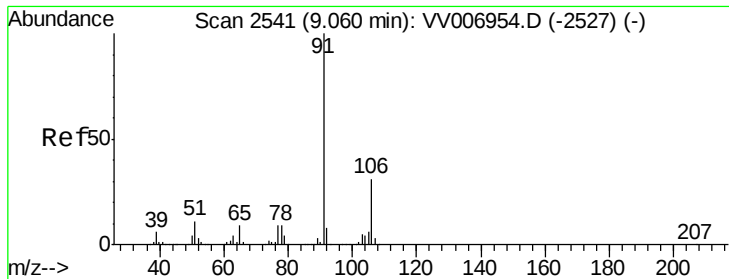


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 4.995 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006973.D

Acq: 10 Aug 2018 09:33

Instrument :

MSVOA_V

ClientSampleId :

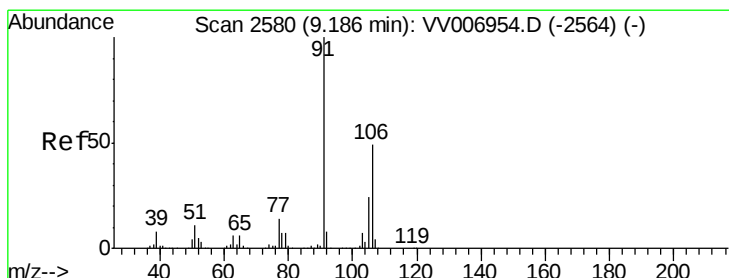
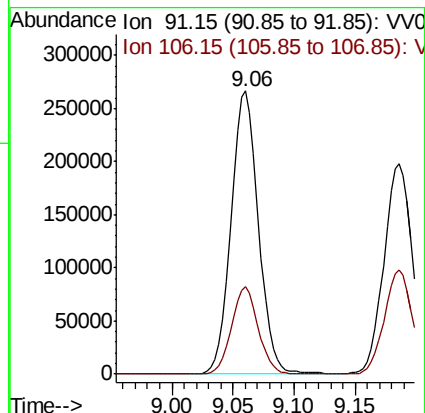
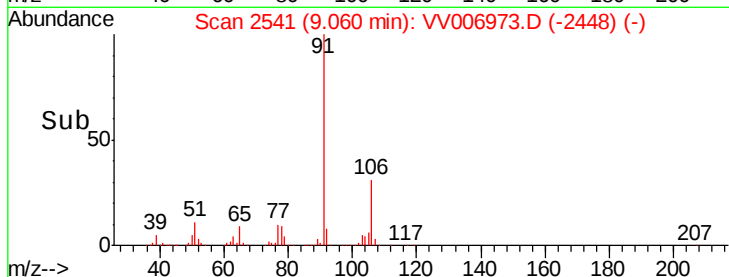
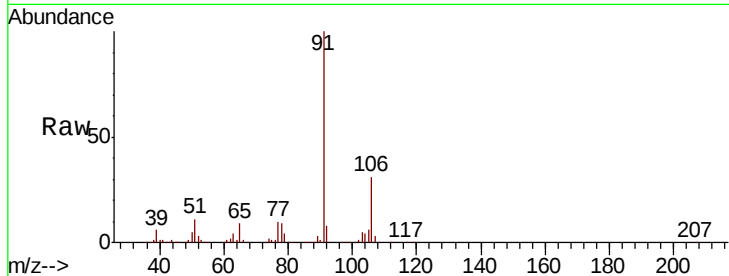
VSTD00583

Tot Ion: 91 Resp: 417810

Ion Ratio Lower Upper

91 100

106 30.9 21.3 39.5



#53

m,p-xylene

Concen: 5.021 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006973.D

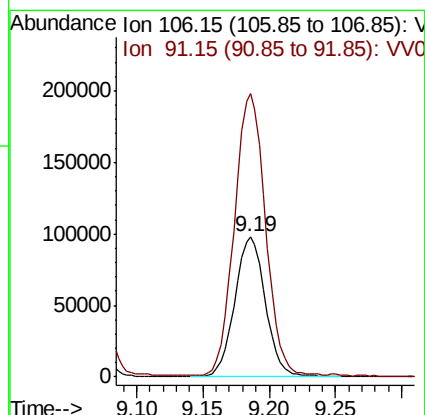
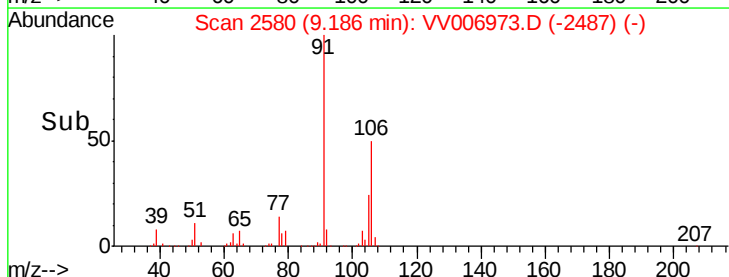
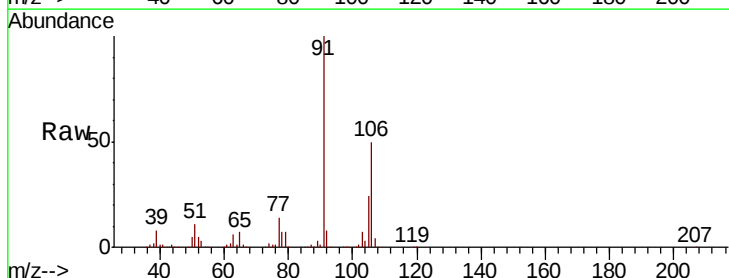
Acq: 10 Aug 2018 09:33

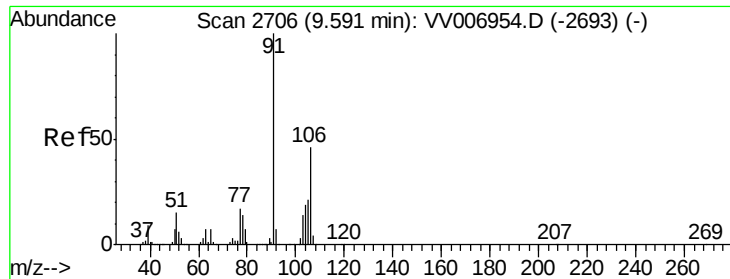
Tgt Ion: 106 Resp: 156577

Ion Ratio Lower Upper

106 100

91 201.4 141.6 263.0





#54

o-xylene

Concen: 5.025 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VV006973.D

Acq: 10 Aug 2018 09:33

Instrument :

MSVOA_V

ClientSampleId :

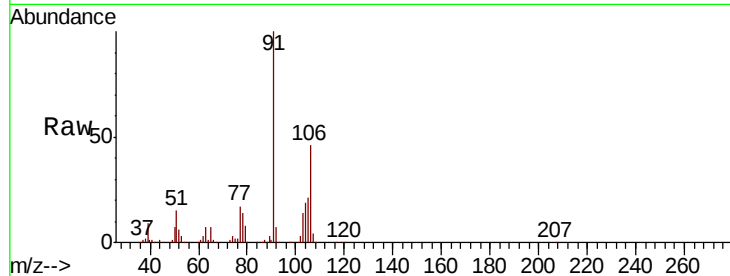
VSTD00583

Tot Ion:106 Resp: 148475

Ion Ratio Lower Upper

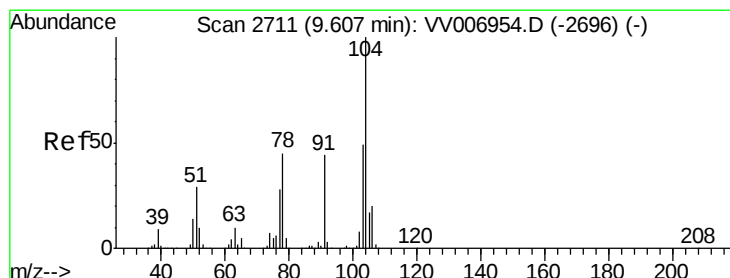
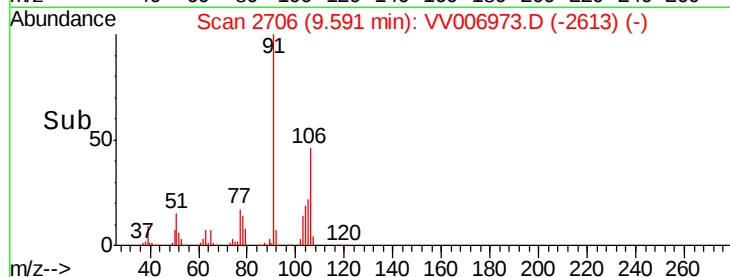
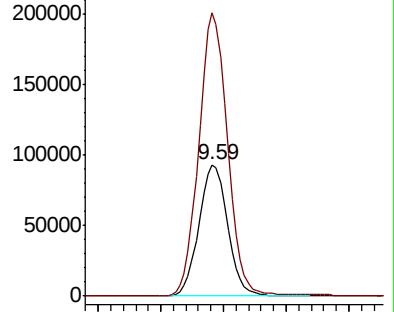
106 100

91 215.9 149.8 278.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.168 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. 0.00 min

Lab File: VV006973.D

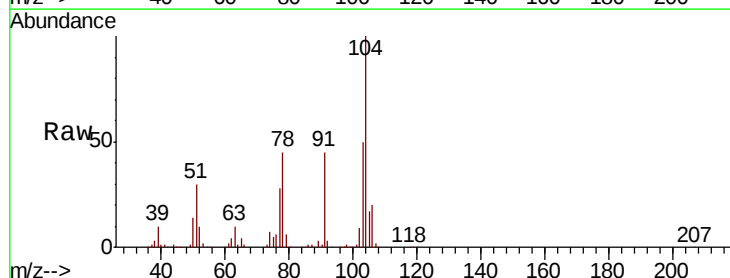
Acq: 10 Aug 2018 09:33

Tgt Ion:104 Resp: 257392

Ion Ratio Lower Upper

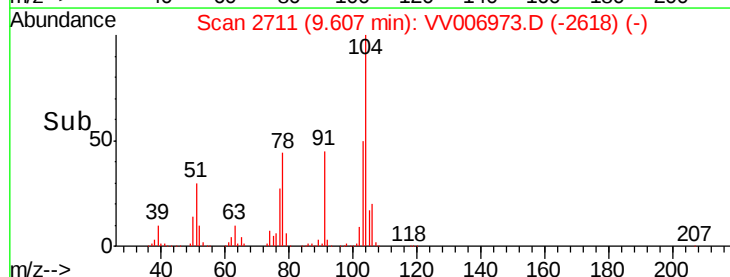
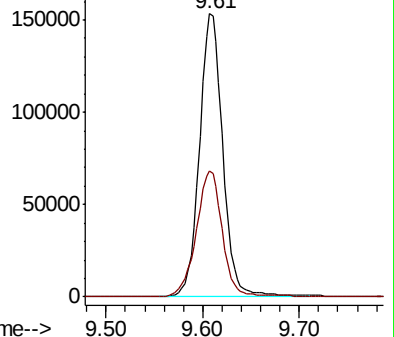
104 100

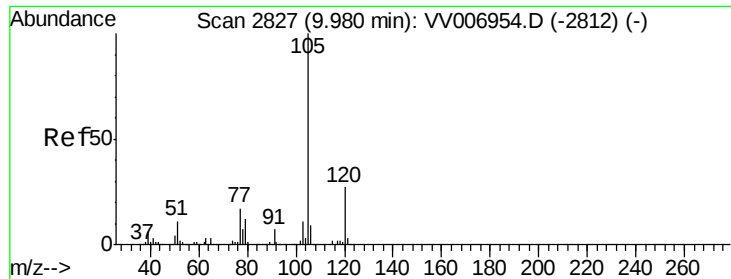
78 44.6 30.4 56.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.070 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006973.D

Acq: 10 Aug 2018 09:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD00583

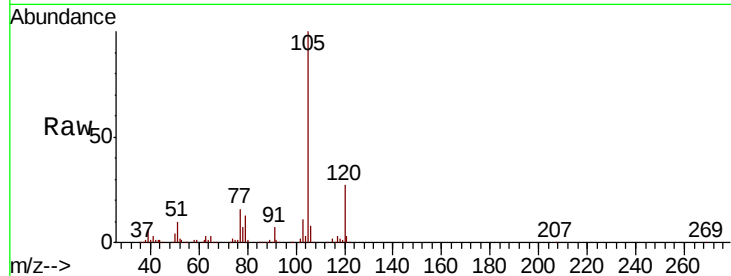
Tot Ion:105 Resp: 393032

Ion Ratio Lower Upper

105 100

120 26.3 21.1 31.7

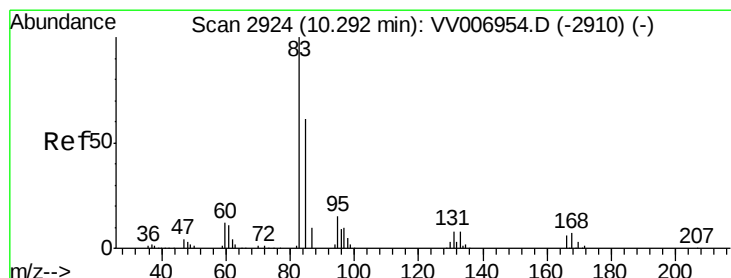
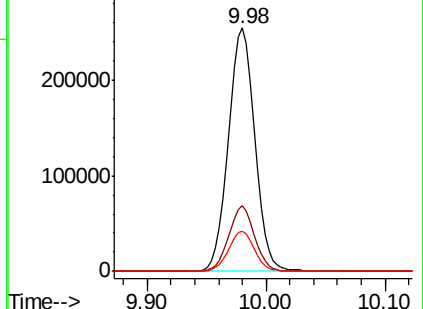
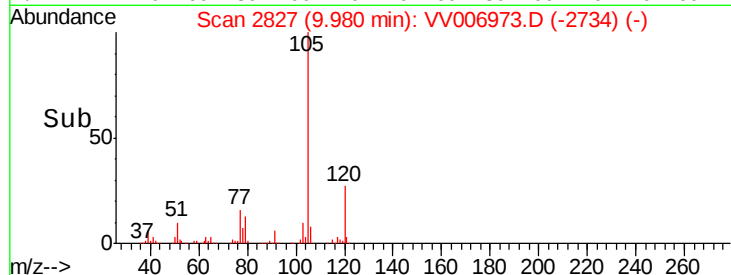
77 16.1 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): VV006973.D (-2734) (-)

Ion 120.10 (119.80 to 120.80): VV006973.D (-2734) (-)

Ion 77.10 (76.80 to 77.80): VV006973.D (-2734) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 4.704 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV006973.D

Acq: 10 Aug 2018 09:33

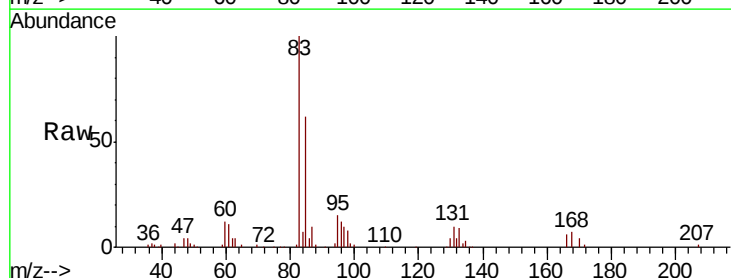
Tgt Ion: 83 Resp: 88760

Ion Ratio Lower Upper

83 100

85 62.3 43.0 79.8

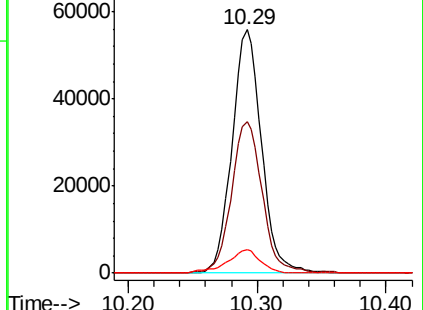
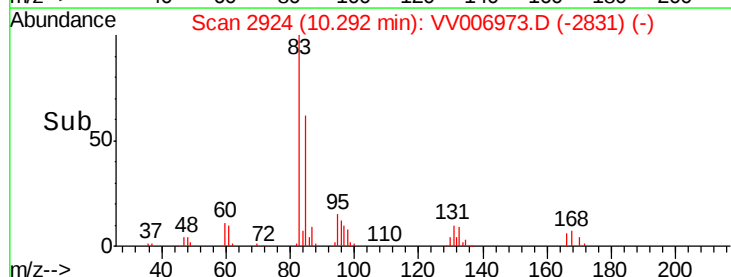
131 9.7 7.4 11.2

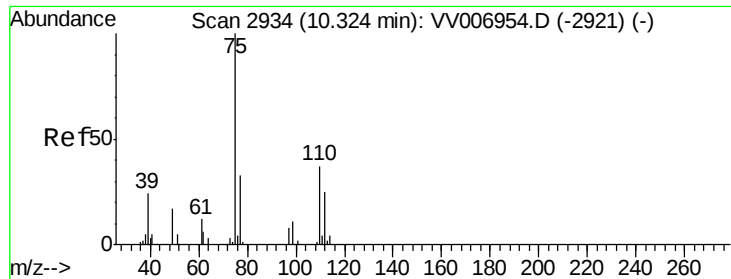


Abundance Ion 82.95 (82.65 to 83.65): VV006973.D (-2831) (-)

Ion 85.00 (84.70 to 85.70): VV006973.D (-2831) (-)

Ion 130.95 (130.65 to 131.65): VV006973.D (-2831) (-)





#59

1,2,3-Trichloropropane

Concen: 4.752 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VV006973.D

Acq: 10 Aug 2018 09:33

Instrument :

MSVOA_V

ClientSampleId :

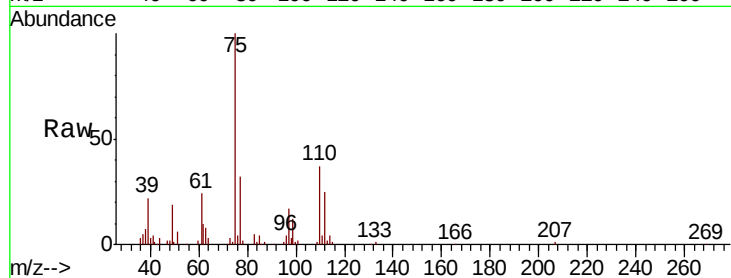
VSTD00583

Tot Ion: 75 Resp: 63476

Ion Ratio Lower Upper

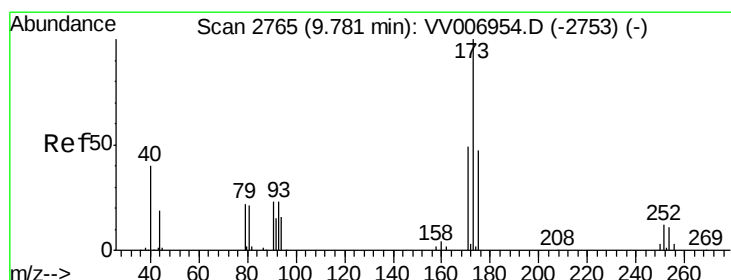
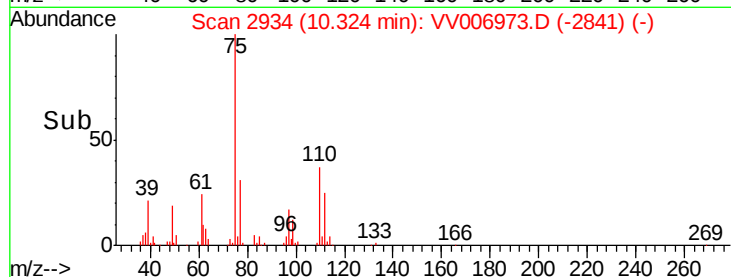
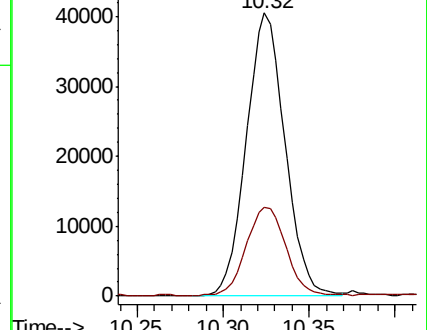
75 100

77 31.7 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV006954.D (-2921) (-)

Ion 77.00 (76.70 to 77.70): VV006954.D (-2921) (-)



#61

Bromoform

Concen: 4.827 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV006973.D

Acq: 10 Aug 2018 09:33

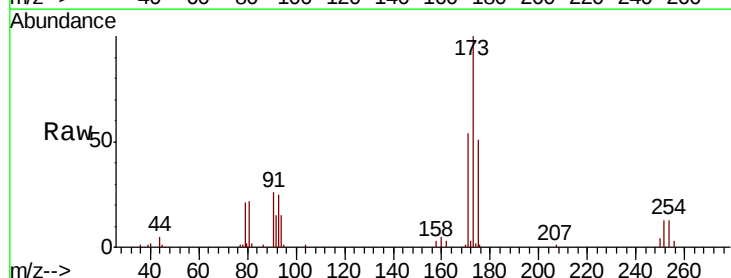
Tgt Ion: 173 Resp: 42084

Ion Ratio Lower Upper

173 100

175 48.8 39.3 58.9

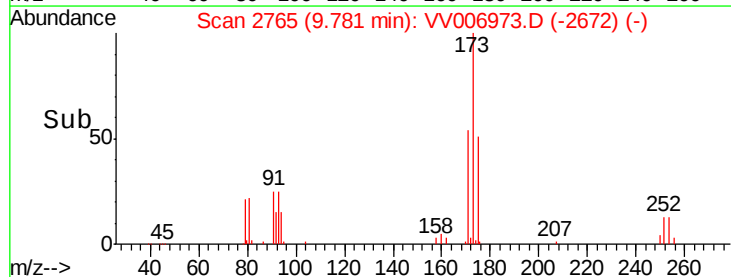
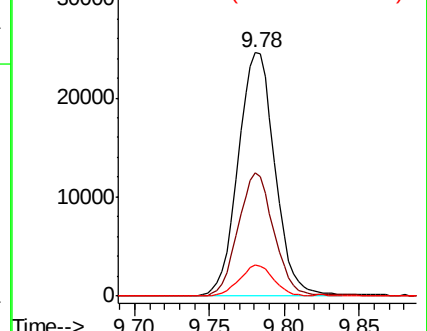
254 11.8 8.3 12.5

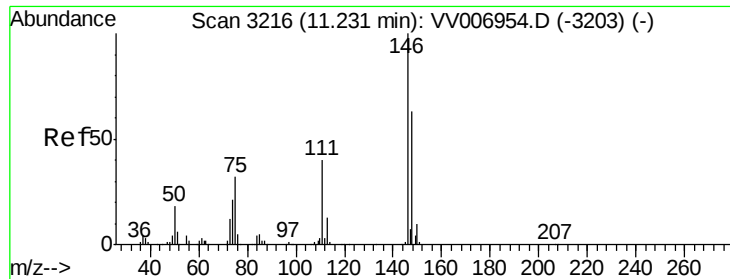


Abundance Ion 172.90 (172.60 to 173.60): VV006954.D (-2753) (-)

Ion 174.90 (174.60 to 175.60): VV006954.D (-2753) (-)

Ion 253.75 (253.45 to 254.45): VV006954.D (-2753) (-)

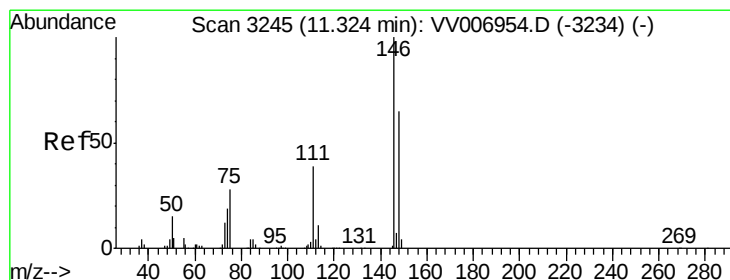
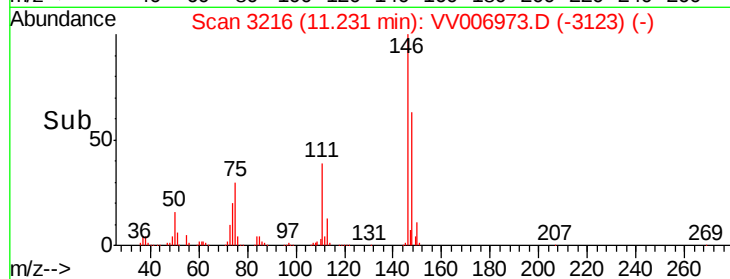
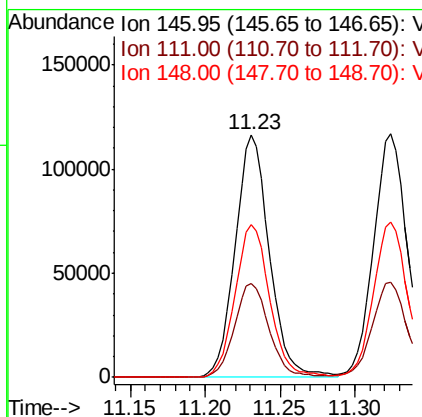
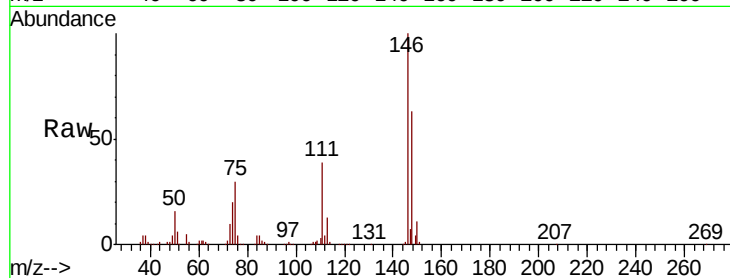




#62
 1,3-Dichlorobenzene
 Concen: 4.984 ug/L
 RT: 11.23 min Scan# 3216
 Delta R.T. 0.00 min
 Lab File: VV006973.D
 Acq: 10 Aug 2018 09:33

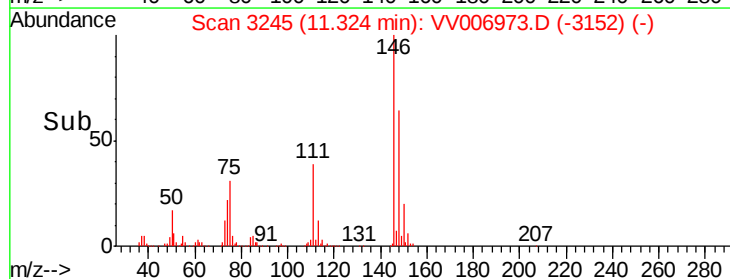
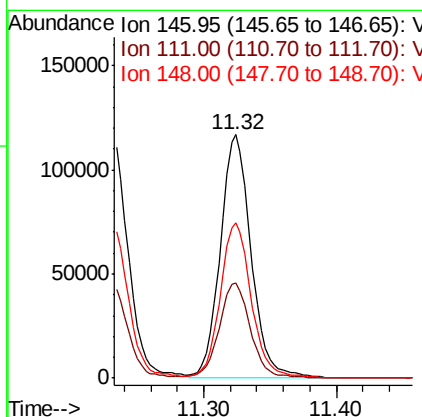
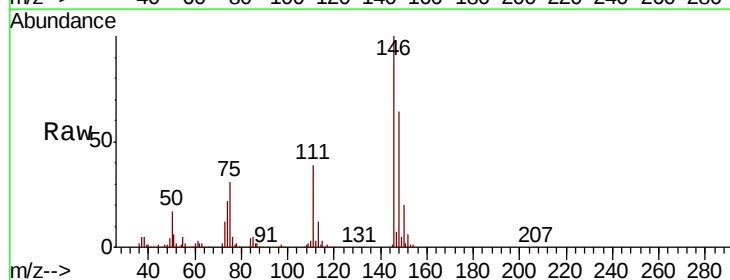
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00583

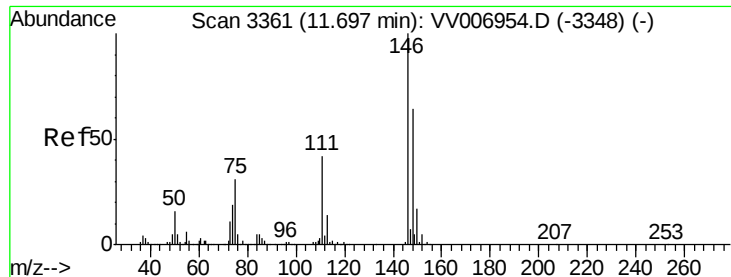
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	28.1	52.3
148	62.8	44.2	82.2



#63
 1,4-Dichlorobenzene
 Concen: 4.944 ug/L
 RT: 11.32 min Scan# 3245
 Delta R.T. 0.00 min
 Lab File: VV006973.D
 Acq: 10 Aug 2018 09:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	26.6	49.4
148	63.8	46.4	86.2





#65

1,2-Dichlorobenzene

Concen: 4.977 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV006973.D

Acq: 10 Aug 2018 09:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD00583

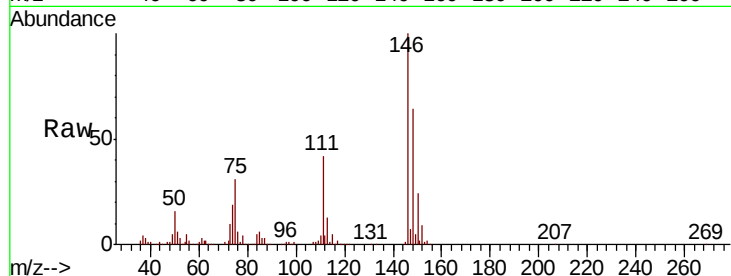
Tot Ion:146 Resp: 182369

Ion Ratio Lower Upper

146 100

111 41.6 33.0 49.6

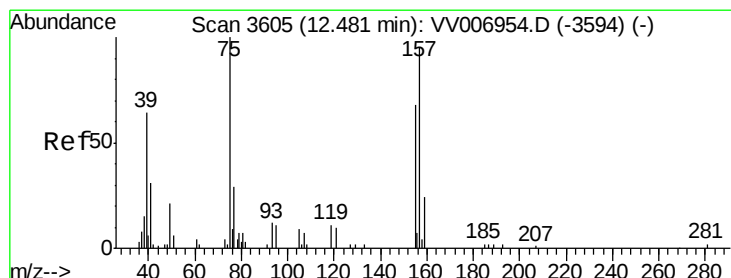
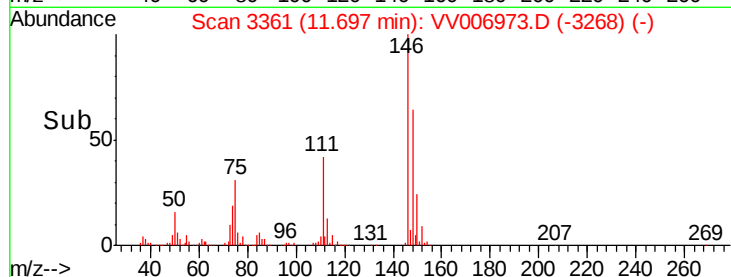
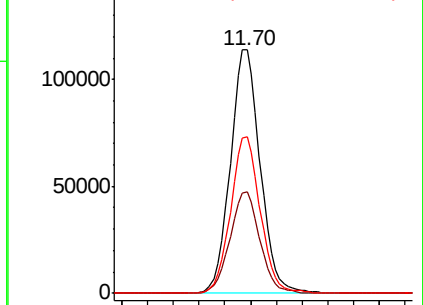
148 64.2 50.6 75.8



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.594 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VV006973.D

Acq: 10 Aug 2018 09:33

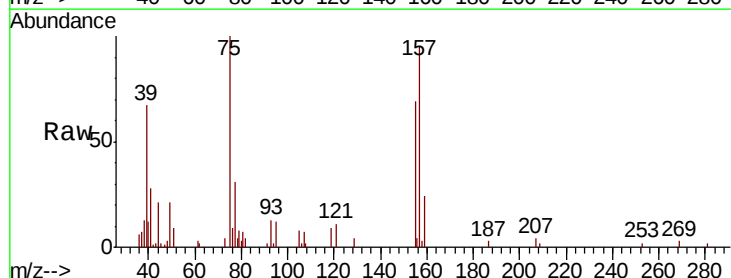
Tgt Ion: 75 Resp: 11952

Ion Ratio Lower Upper

75 100

155 69.3 62.6 94.0

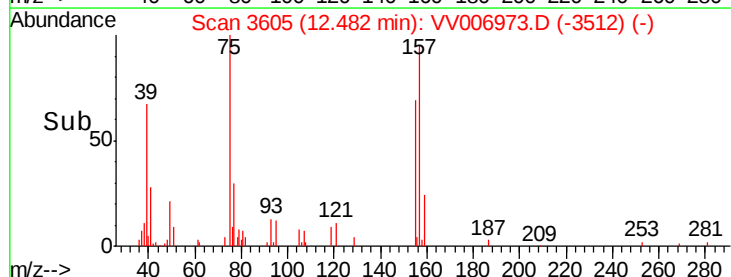
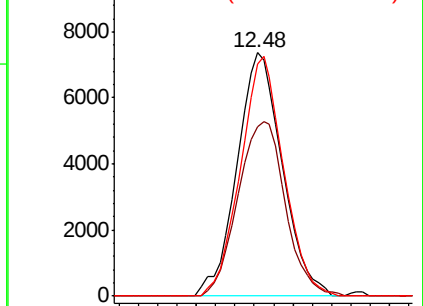
157 95.2 77.0 115.6

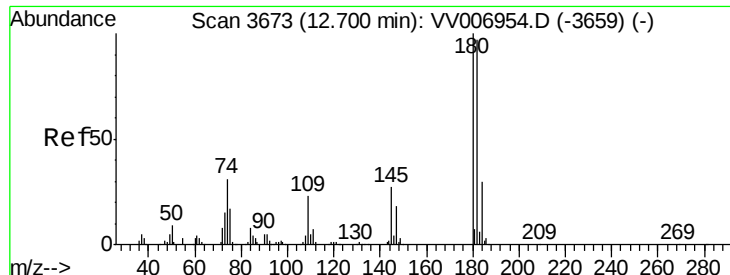


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

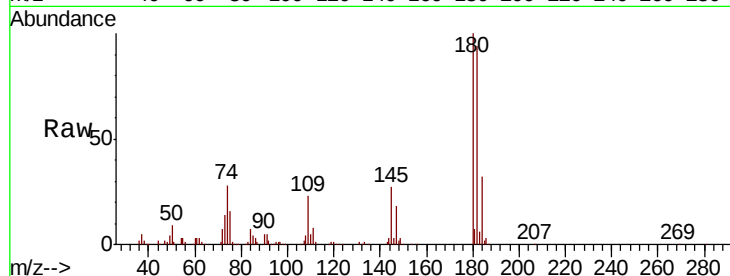




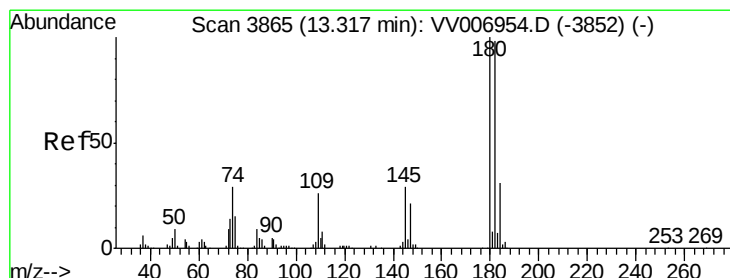
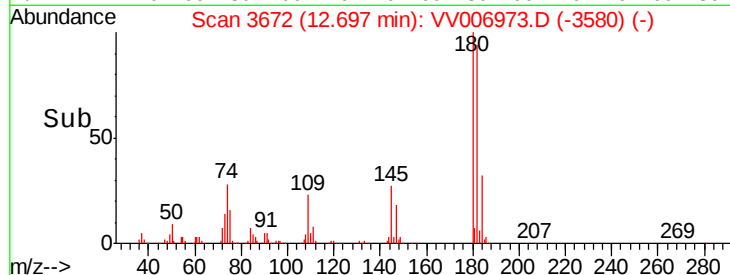
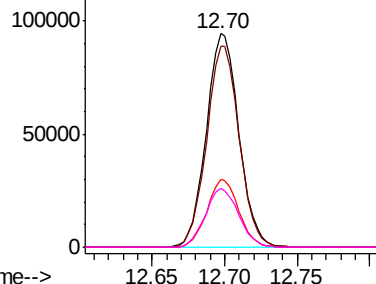
#67
 1,3,5-Trichlorobenzene
 Concen: 5.205 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. -0.00 min
 Lab File: VV006973.D
 Acq: 10 Aug 2018 09:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00583

Tot Ion:180	Resp:	146747
Ion Ratio	Lower	Upper
180	100	
182	94.4	75.1 112.7
184	31.0	23.8 35.8
145	28.3	21.9 32.9

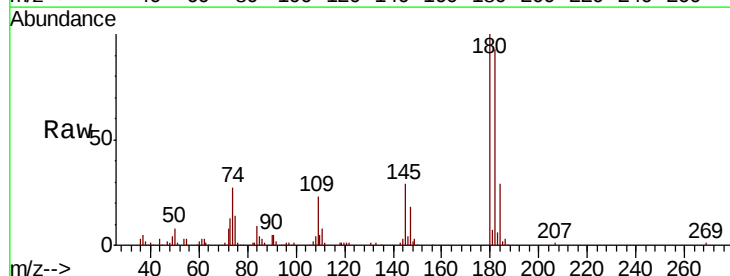


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

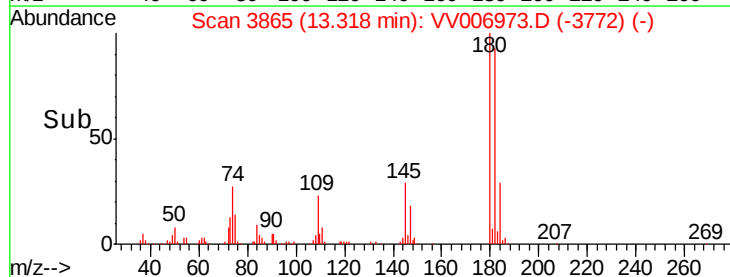
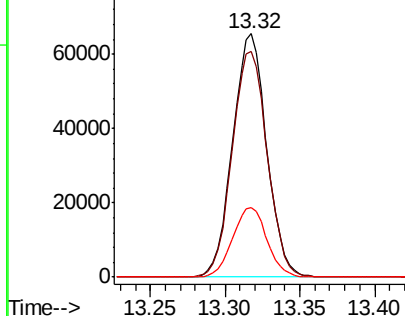


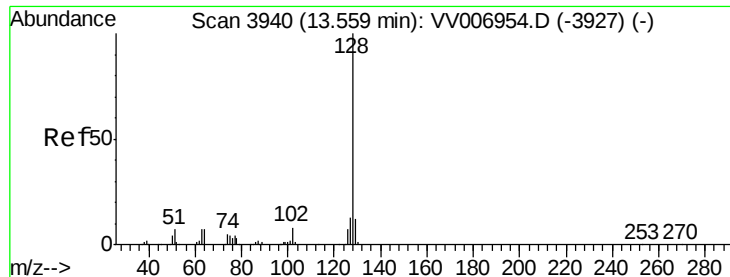
#68
 1,2,4-trichlorobenzene
 Concen: 5.005 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006973.D
 Acq: 10 Aug 2018 09:33

Tgt Ion:180	Resp:	103574
Ion Ratio	Lower	Upper
180	100	
182	95.4	76.5 114.7
145	28.9	23.6 35.4



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





#69

Naphthalene

Concen: 4.449 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006973.D

Acq: 10 Aug 2018 09:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD00583

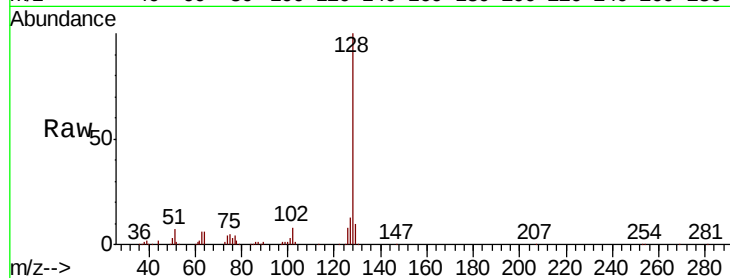
Tot Ion:128 Resp: 132194

Ion Ratio Lower Upper

128 100

129 10.8 8.5 12.7

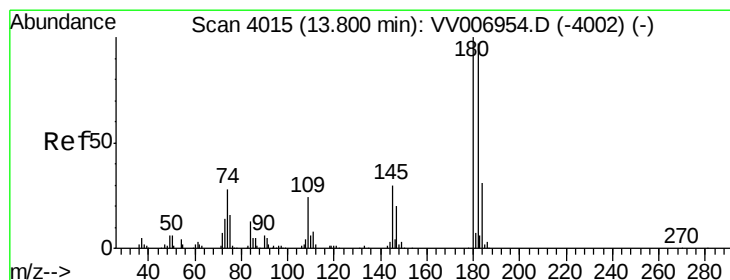
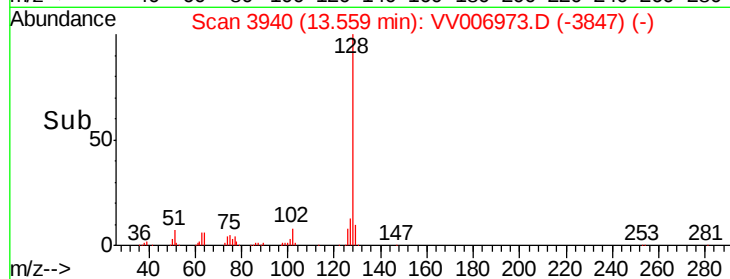
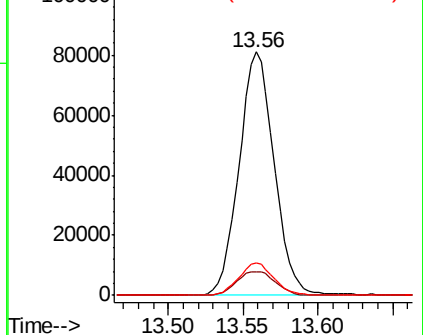
127 13.3 10.6 16.0



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: 4.953 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006973.D

Acq: 10 Aug 2018 09:33

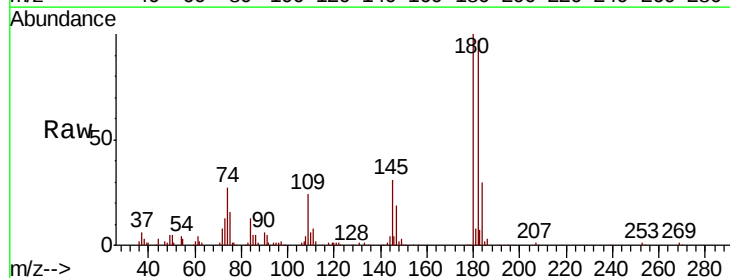
Tgt Ion:180 Resp: 98786

Ion Ratio Lower Upper

180 100

182 95.4 76.1 114.1

145 31.3 24.6 36.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

