

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120718\
 Data File : VW007331.D
 Acq On : 08 Dec 2018 02:09
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02599

Quant Time: Dec 08 04:43:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120718S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 08 02:02:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	138884	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	116402	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	56951	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	27721	30.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	122.56%
7) Chloroethane-d5	2.89	69	20993	27.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.60%
10) 1,1-Dichloroethene-d2	4.01	63	88646	28.41	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	113.64%#
20) 2-Butanone-d5	7.07	46	25688	45.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.10%
24) Chloroform-d	7.65	84	91353	27.89	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.56%
26) 1,2-Dichloroethane-d4	8.31	65	51945	27.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	111.44%
29) Benzene-d6	8.27	84	180523	28.55	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	114.20%
33) 1,2-Dichloropropane-d6	9.27	67	50759	28.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	112.52%
37) Toluene-d8	10.32	98	170133	28.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	114.80%
38) trans-1,3-Dichloropropene-	10.58	79	24872	26.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	107.88%
39) 2-Hexanone-d5	10.93	63	20118	46.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.64%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	40026	24.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.40%
61) 1,2-Dichlorobenzene-d4	13.86	152	56360	28.13	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	112.52%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	36063	23.776	ug/L 97
3) Chloromethane	2.22	50	29716	24.474	ug/L 99
5) Vinyl chloride	2.37	62	34503	30.120	ug/L 100
6) Bromomethane	2.78	94	21036	26.550	ug/L 96
8) Chloroethane	2.93	64	17991	26.091	ug/L 96
9) Trichlorofluoromethane	3.26	101	30201	22.968	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	45556	25.989	ug/L 98
12) 1,1-Dichloroethene	4.03	96	43232	26.506	ug/L 97
13) Acetone	4.12	43	22138	33.388	ug/L 98
14) Carbon disulfide	4.37	76	130587	27.421	ug/L 99
15) Methyl Acetate	4.67	43	21991	22.118	ug/L # 90
16) Methylene chloride	4.91	84	45803	20.411	ug/L 96
17) Methyl tert-butyl Ether	5.42	73	69624	26.252	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	46023	26.302	ug/L 100
19) 1,1-Dichloroethane	6.21	63	79967	26.810	ug/L 97
21) 2-Butanone	7.17	43	29476	41.360	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	51118	26.547	ug/L 98

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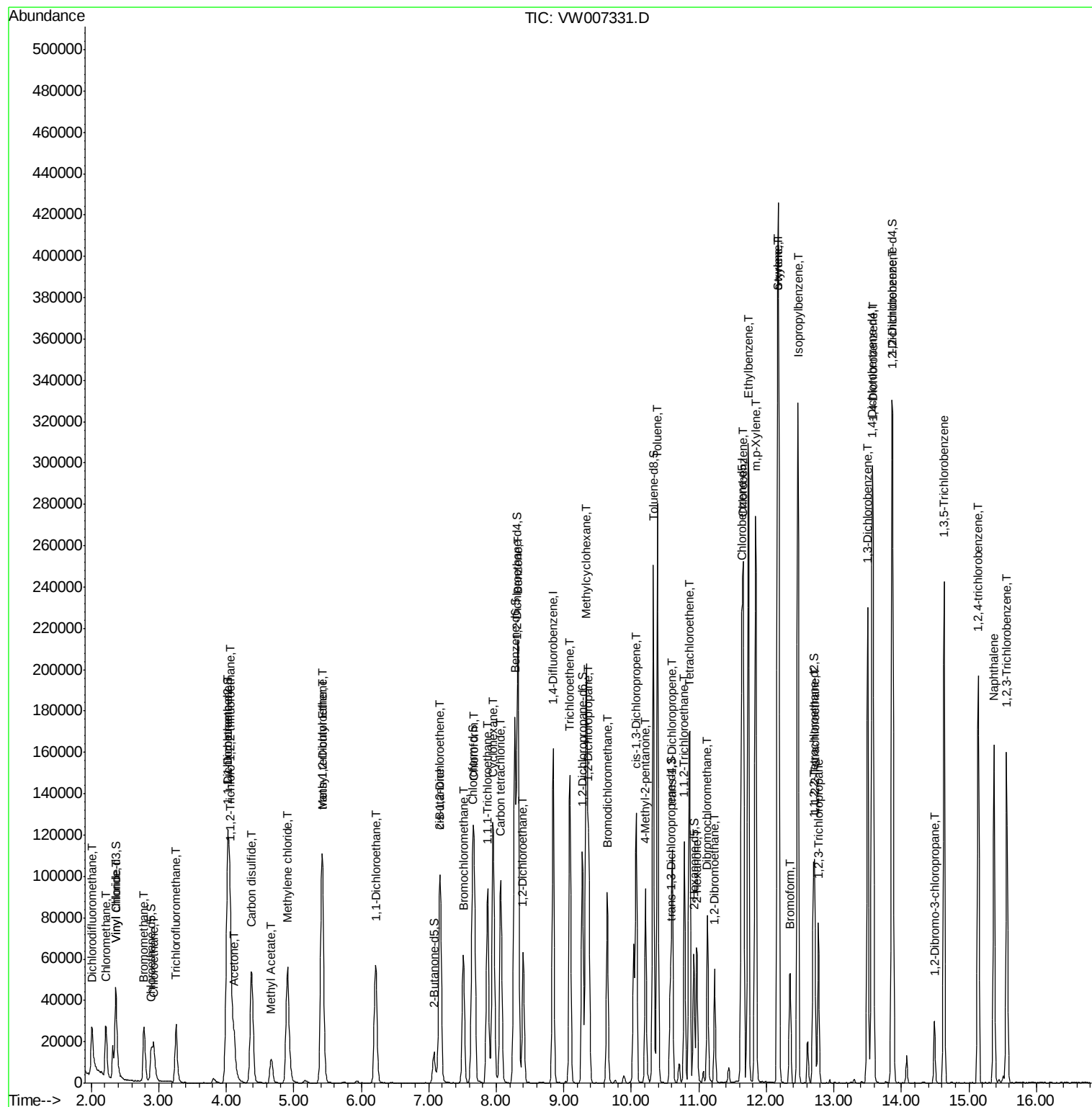
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	23076	26.288	uq/L	94
25) Chloroform	7.67	83	88584	27.449	uq/L	99
27) 1,2-Dichloroethane	8.40	62	60230	26.108	uq/L	100
30) Cyclohexane	7.95	56	73353	26.268	uq/L	99
31) 1,1,1-Trichloroethane	7.87	97	75966	27.728	uq/L	98
32) Carbon tetrachloride	8.07	117	73043	27.590	uq/L	98
34) Benzene	8.32	78	183556	27.511	uq/L	100
35) Trichloroethene	9.09	95	51245	26.785	uq/L	99
36) Methylcyclohexane	9.34	83	86407	26.162	uq/L	98
40) 1,2-Dichloropropane	9.37	63	43642	26.740	uq/L	99
41) Bromodichloromethane	9.65	83	64622	27.576	uq/L	92
42) cis-1,3-Dichloropropene	10.07	75	72260	26.364	uq/L	96
43) 4-Methyl-2-pentanone	10.21	43	59647	46.174	uq/L	99
44) Toluene	10.39	91	201457	28.013	uq/L	94
45) trans-1,3-Dichloropropene	10.61	75	62711	26.054	uq/L	96
46) 1,1,2-Trichloroethane	10.79	97	35376	26.324	uq/L	93
47) Tetrachloroethene	10.87	164	39716	27.481	uq/L	92
49) 2-Hexanone	10.97	43	39457	43.459	uq/L	97
50) Dibromochloromethane	11.13	129	45872	27.785	uq/L	97
51) 1,2-Dibromoethane	11.24	107	35473	26.283	uq/L	100
52) Chlorobenzene	11.66	112	124015	26.571	uq/L	92
53) Ethylbenzene	11.73	91	216825	26.813	uq/L	95
54) m,p-Xylene	11.84	106	84975	27.663	uq/L	91
55) o-xylene	12.17	106	77829	26.810	uq/L	100
56) Styrene	12.18	104	135791	27.288	uq/L	95
57) Isopropylbenzene	12.46	105	223128	27.539	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	42415	25.460	uq/L	90
59) 1,2,3-Trichloropropane	12.77	75	31394	23.806	uq/L	99
62) Bromoform	12.35	173	25829	26.483	uq/L	100
63) 1,3-Dichlorobenzene	13.51	146	96270	26.312	uq/L	96
64) 1,4-Dichlorobenzene	13.58	146	99761	27.351	uq/L	90
65) 1,2-Dichlorobenzene	13.88	146	93245	28.477	uq/L #	88
66) 1,2-Dibromo-3-chloropropan	14.49	75	8111	23.387	uq/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	70435	26.576	uq/L	98
68) 1,2,4-trichlorobenzene	15.14	180	60365	26.418	uq/L	98
69) Naphthalene	15.37	128	137454	24.337	uq/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	55814	26.868	uq/L	99

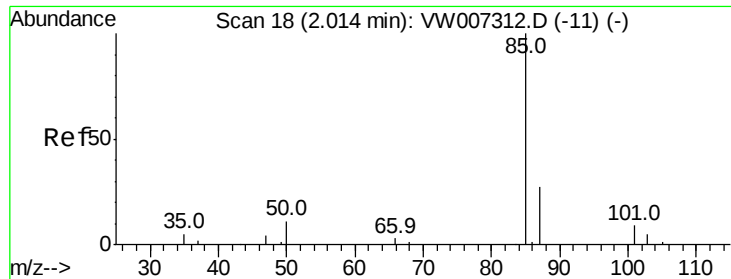
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.776 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW007331.D

Acq: 08 Dec 2018 02:09

Instrument :

MSVOA_W

ClientSampleId :

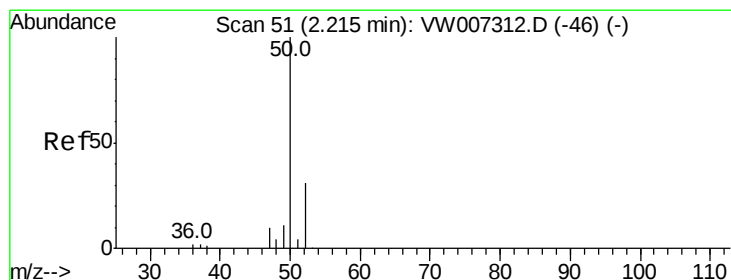
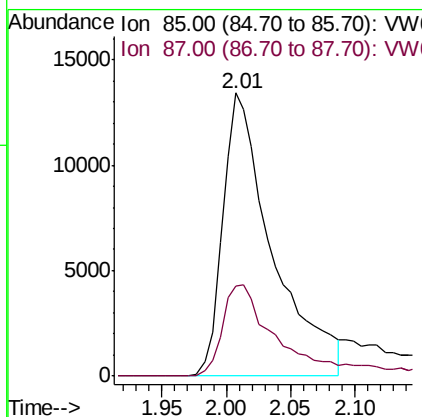
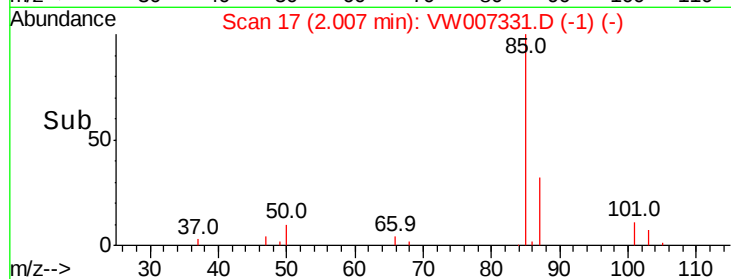
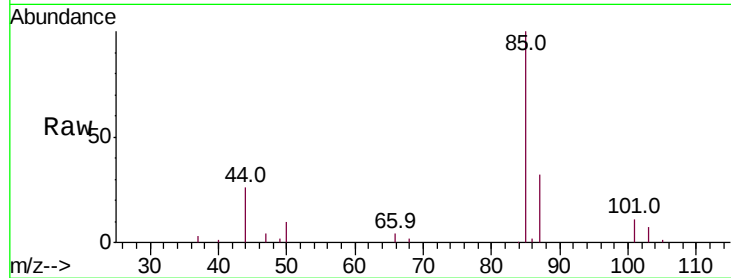
VSTD02599

Tot Ion: 85 Resp: 36063

Ion Ratio Lower Upper

85 100

87 34.5 23.2 43.0



#3

Chloromethane

Concen: 24.474 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW007331.D

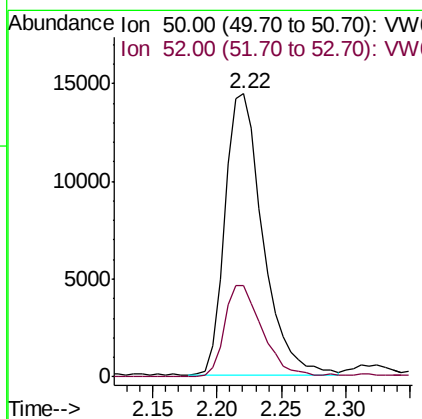
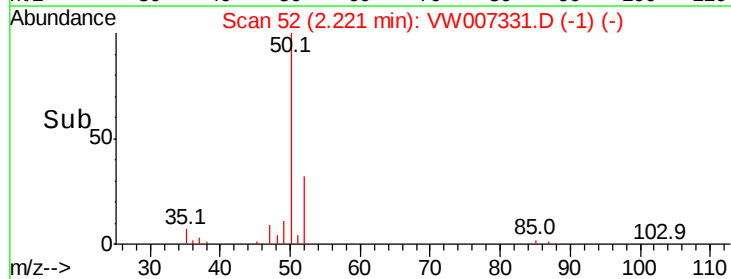
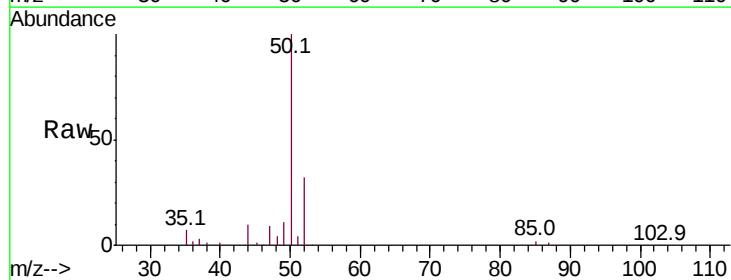
Acq: 08 Dec 2018 02:09

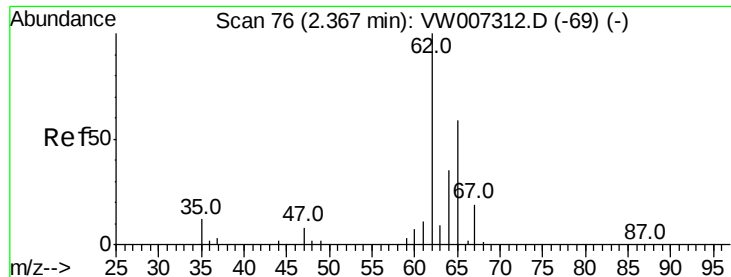
Tgt Ion: 50 Resp: 29716

Ion Ratio Lower Upper

50 100

52 32.2 22.2 41.2





#5

Vinyl chloride

Concen: 30.120 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007331.D

Acq: 08 Dec 2018 02:09

Instrument :

MSVOA_W

ClientSampleId :

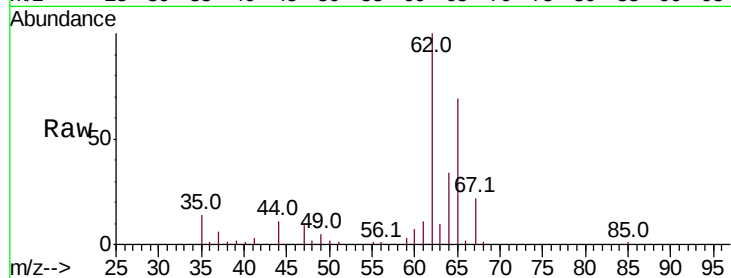
VSTD02599

Tot Ion: 62 Resp: 34503

Ion Ratio Lower Upper

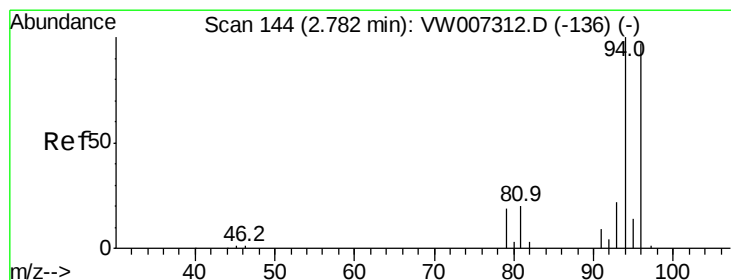
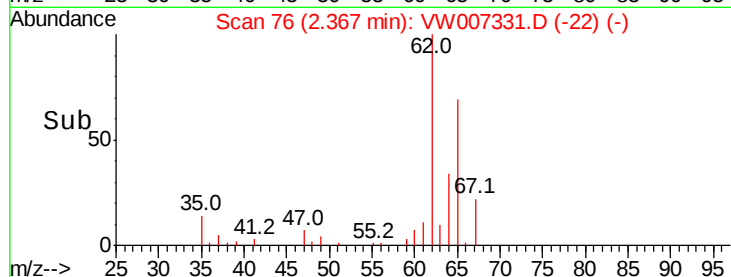
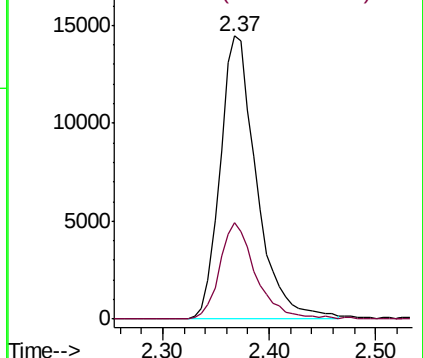
62 100

64 34.2 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 26.550 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW007331.D

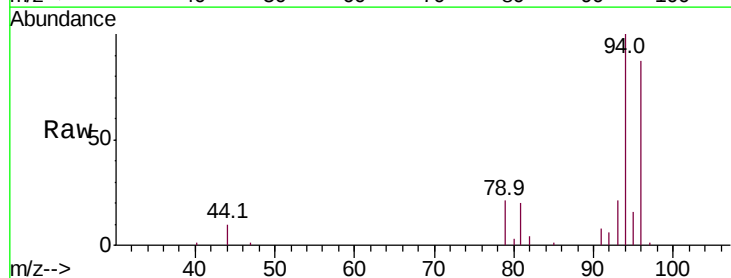
Acq: 08 Dec 2018 02:09

Tgt Ion: 94 Resp: 21036

Ion Ratio Lower Upper

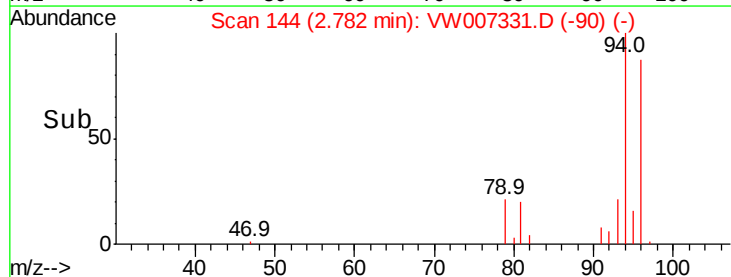
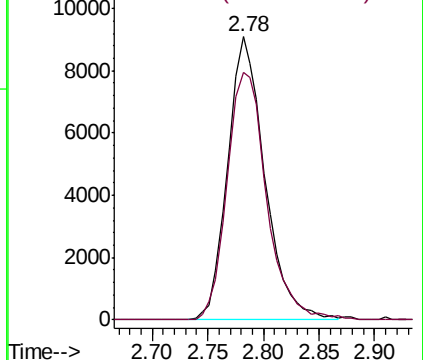
94 100

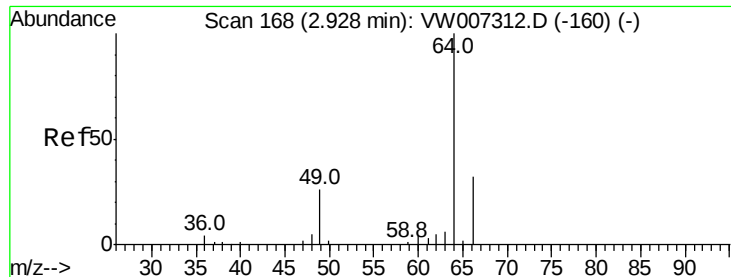
96 91.9 9.6 181.8



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 26.091 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW007331.D

Acq: 08 Dec 2018 02:09

Instrument :

MSVOA_W

ClientSampleId :

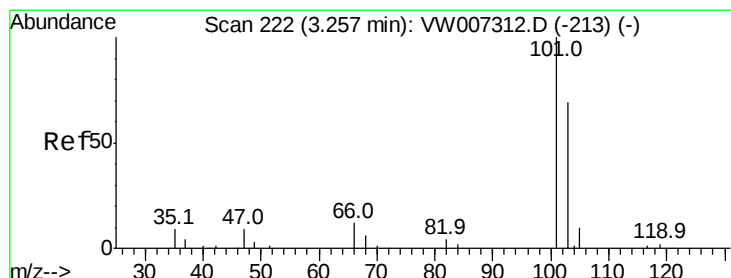
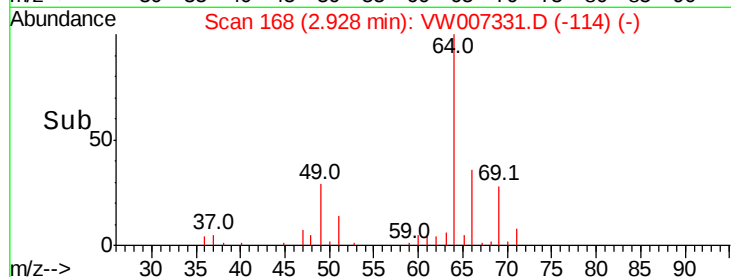
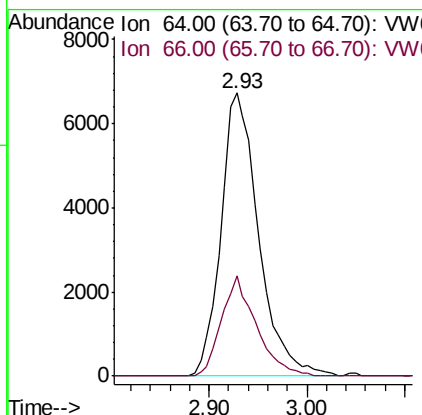
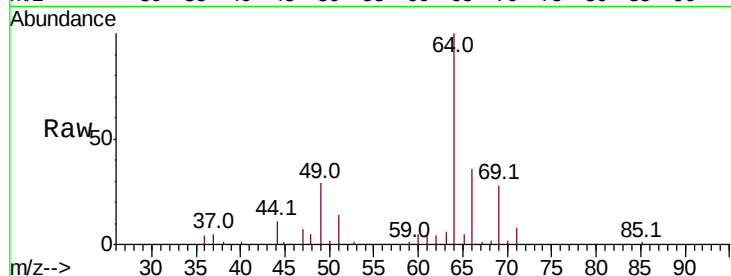
VSTD02599

Tot Ion: 64 Resp: 17991

Ion Ratio Lower Upper

64 100

66 35.6 23.2 43.2



#9

Trichlorofluoromethane

Concen: 22.968 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW007331.D

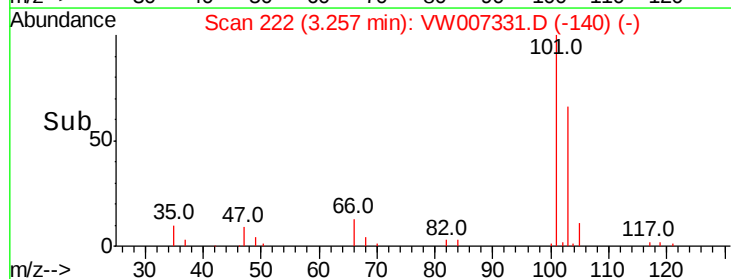
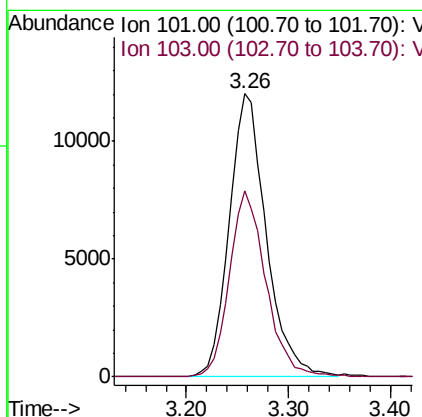
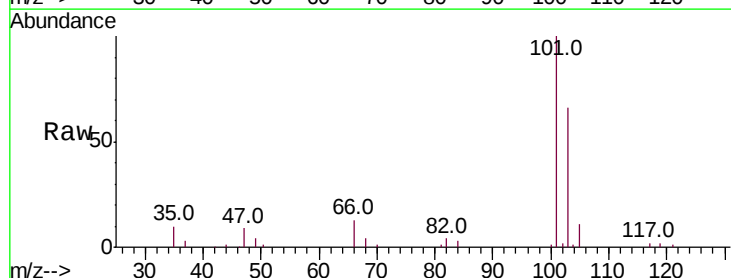
Acq: 08 Dec 2018 02:09

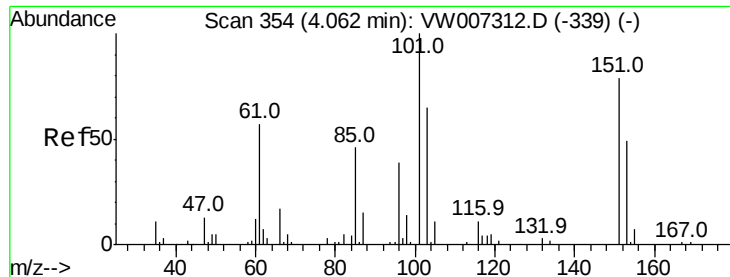
Tgt Ion: 101 Resp: 30201

Ion Ratio Lower Upper

101 100

103 64.7 44.7 82.9





#11

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

Concen: 25.989 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW007331.D

Acq: 08 Dec 2018 02:09

Instrument :

MSVOA_W

ClientSampled :

VSTD02599

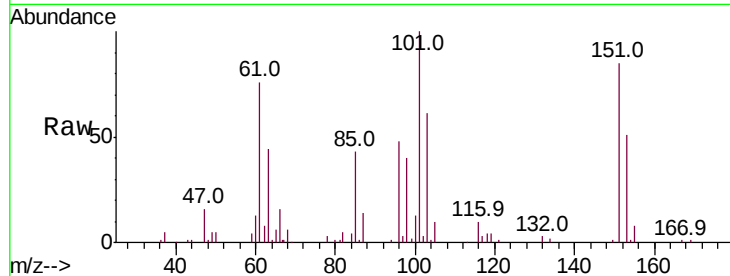
Tot Ion:101 Resp: 45556

Ion Ratio Lower Upper

101 100

85 42.4 35.4 53.2

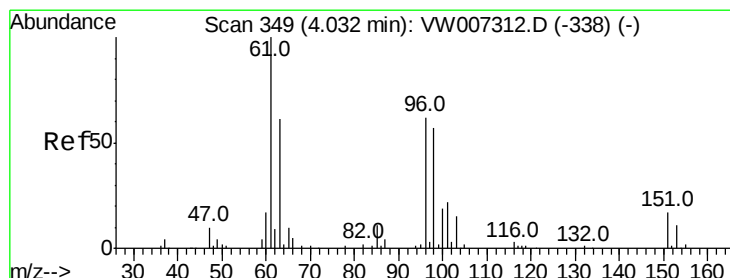
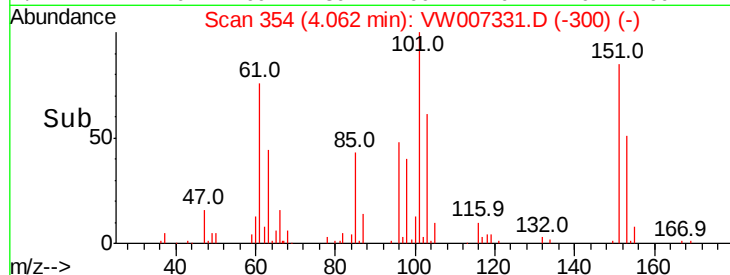
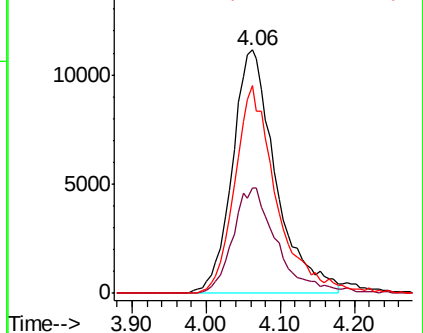
151 79.3 64.8 97.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 26.506 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.00 min

Lab File: VW007331.D

Acq: 08 Dec 2018 02:09

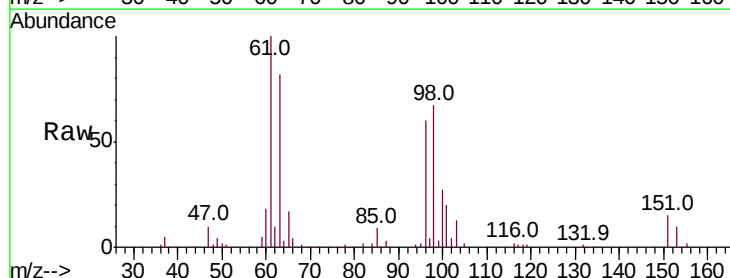
Tgt Ion: 96 Resp: 43232

Ion Ratio Lower Upper

96 100

61 165.5 117.2 217.8

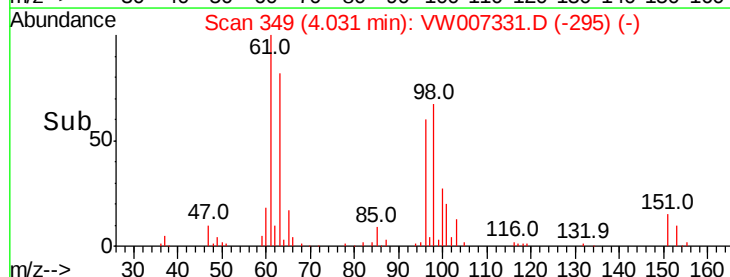
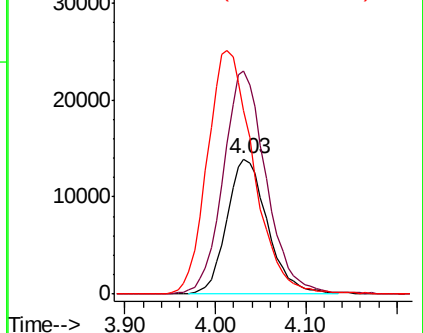
63 135.2 89.7 166.7

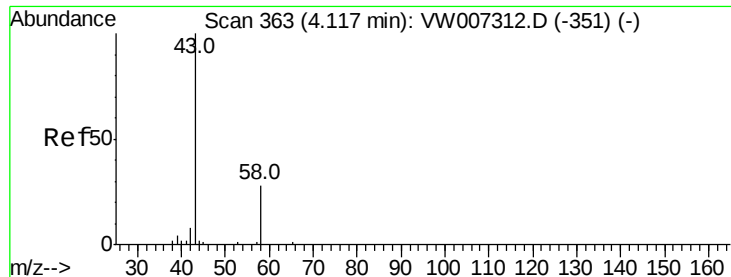


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 33.388 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007331.D

Acq: 08 Dec 2018 02:09

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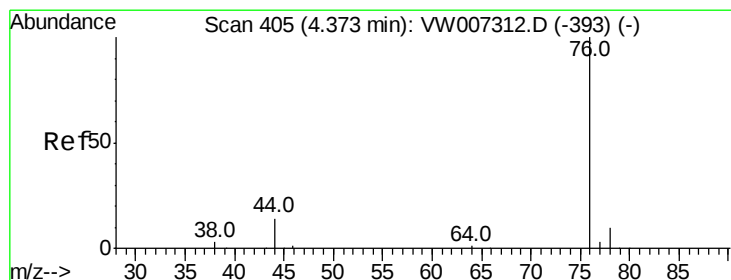
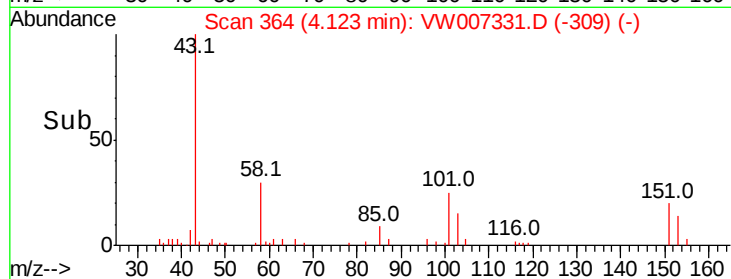
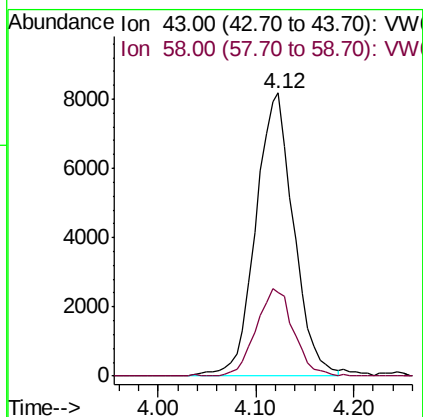
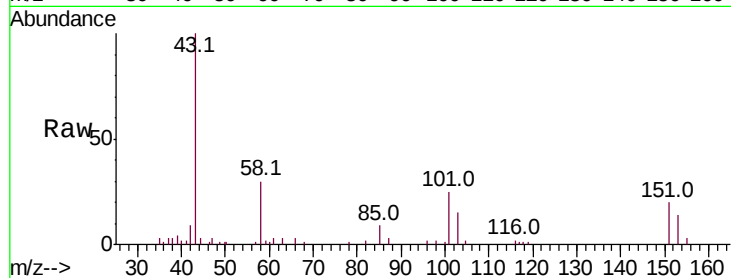
VSTD02599

Tot Ion: 43 Resp: 22138

Ion Ratio Lower Upper

43 100

58 30.6 0.0 59.2



#14

Carbon disulfide

Concen: 27.421 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW007331.D

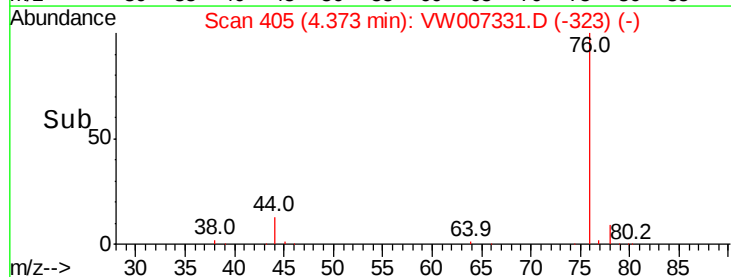
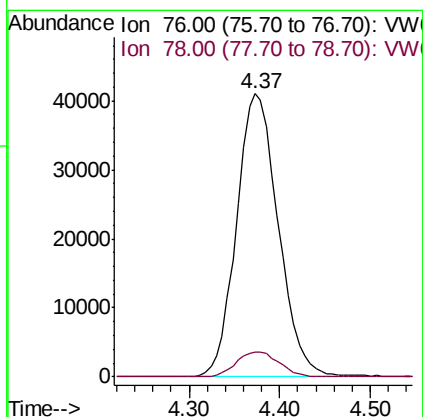
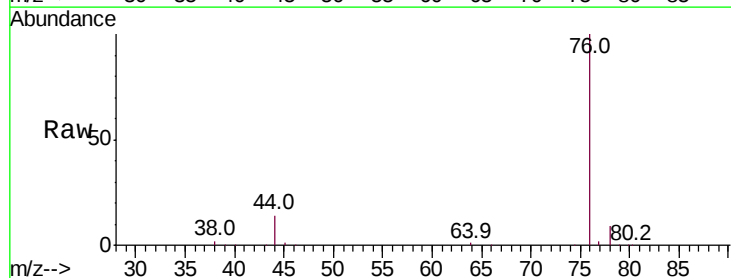
Acq: 08 Dec 2018 02:09

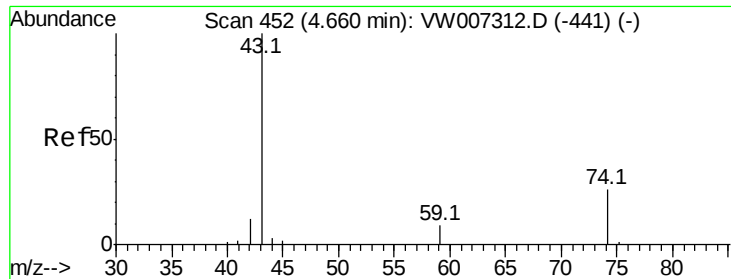
Tgt Ion: 76 Resp: 130587

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9





#15

Methyl Acetate

Concen: 22.118 ug/L

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW007331.D

Acq: 08 Dec 2018 02:09

Instrument :

MSVOA_W

ClientSampleId :

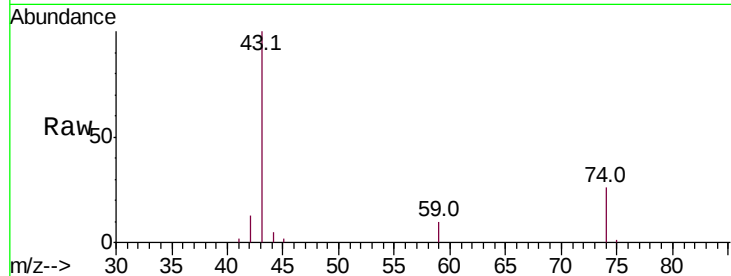
VSTD02599

Tot Ion: 43 Resp: 21991

Ion Ratio Lower Upper

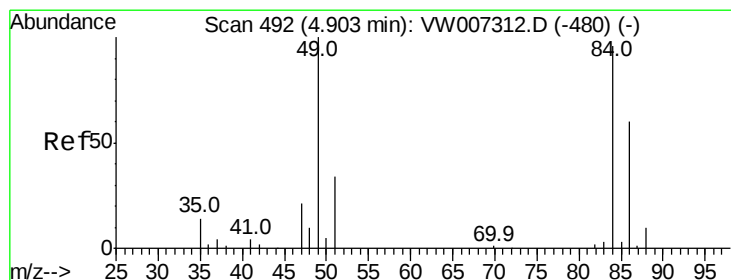
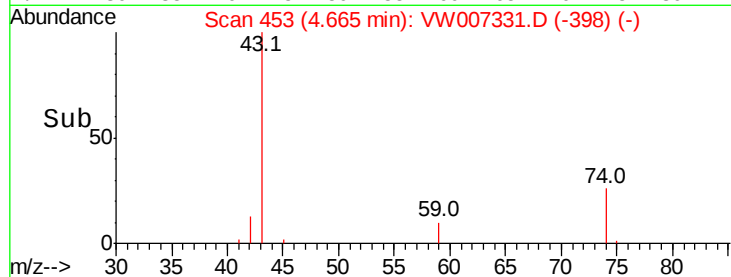
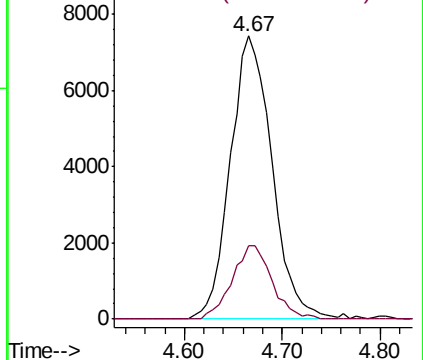
43 100

74 24.4 0.1 0.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 20.411 ug/L

RT: 4.91 min Scan# 493

Delta R.T. 0.01 min

Lab File: VW007331.D

Acq: 08 Dec 2018 02:09

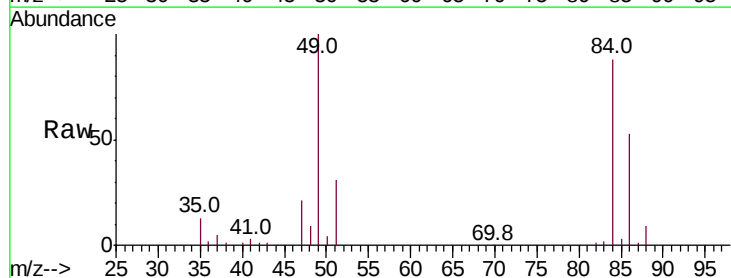
Tgt Ion: 84 Resp: 45803

Ion Ratio Lower Upper

84 100

49 113.4 80.8 150.2

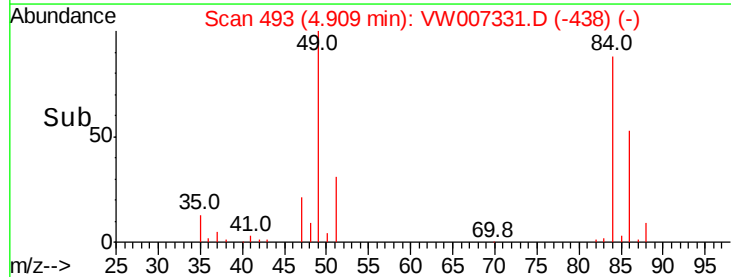
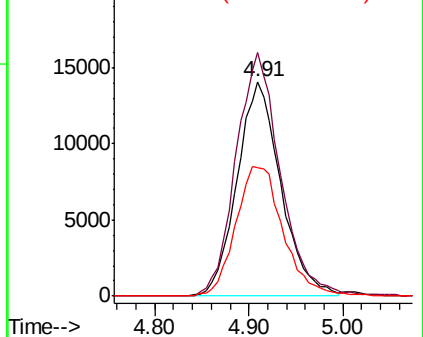
86 60.0 45.8 85.2

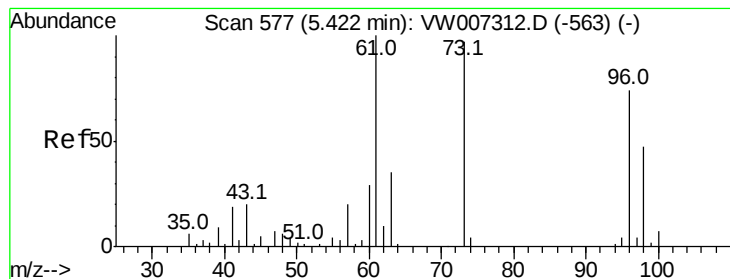


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#17

Methyl tert-butyl Ether

Concen: 26.252 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW007331.D

Acq: 08 Dec 2018 02:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD02599

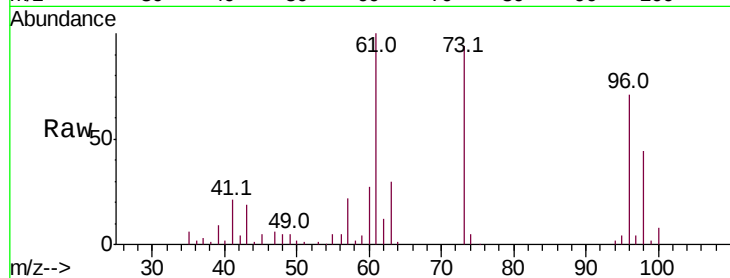
Tot Ion: 73 Resp: 69624

Ion Ratio Lower Upper

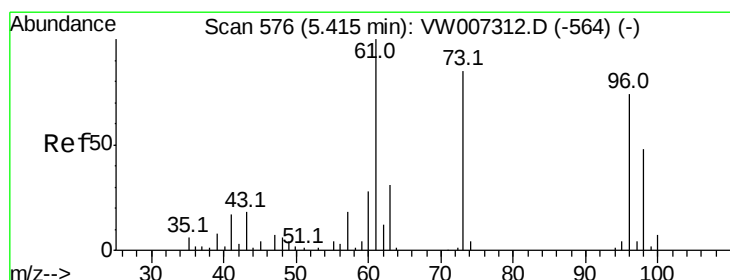
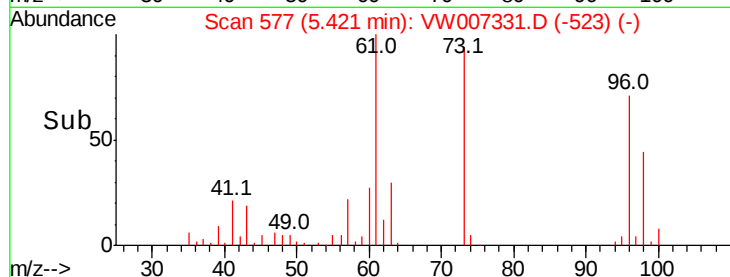
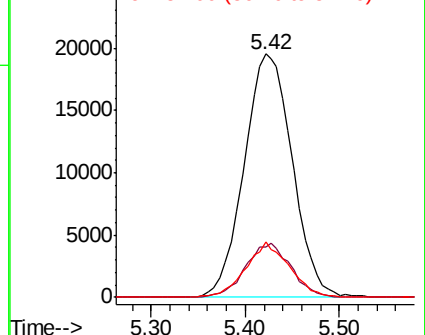
73 100

43 21.1 17.3 25.9

57 20.7 17.0 25.6



Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW



#18

trans-1,2-Dichloroethene

Concen: 26.302 ug/L

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW007331.D

Acq: 08 Dec 2018 02:09

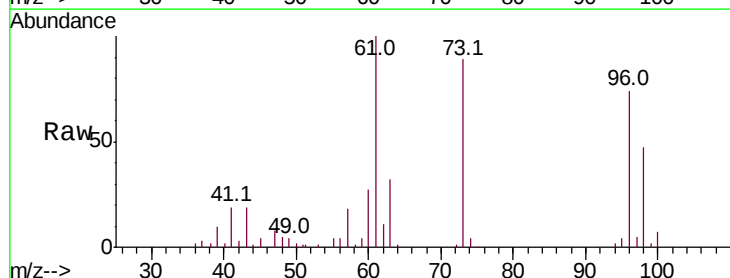
Tgt Ion: 96 Resp: 46023

Ion Ratio Lower Upper

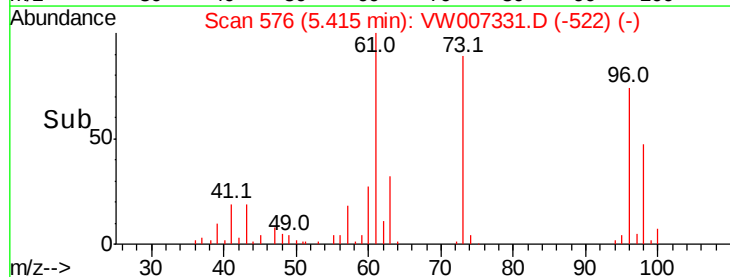
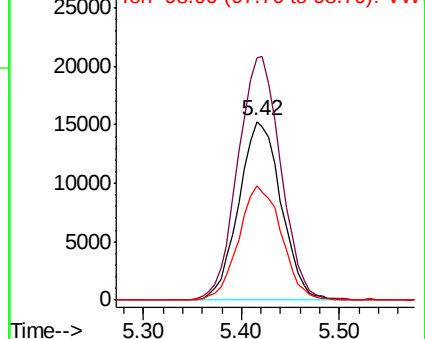
96 100

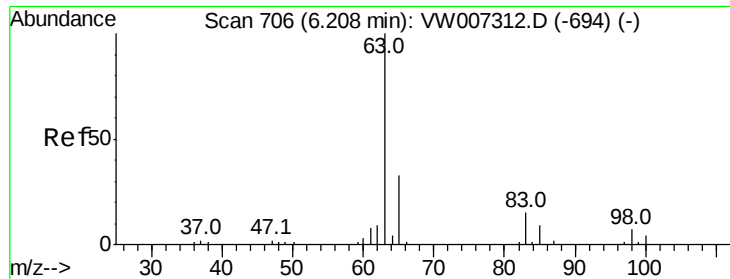
61 135.7 94.6 175.8

98 64.2 45.1 83.7



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW

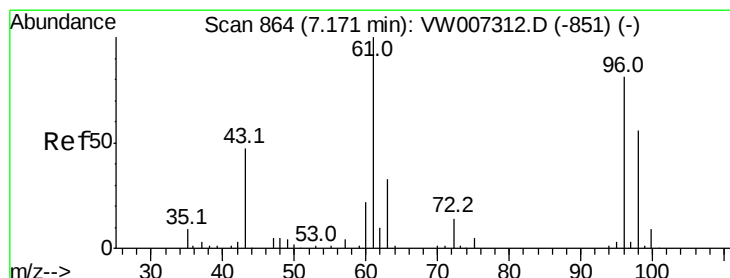
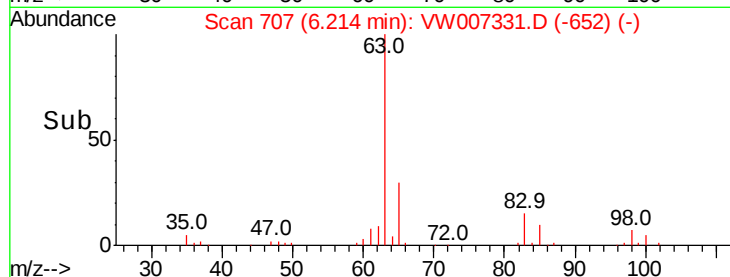
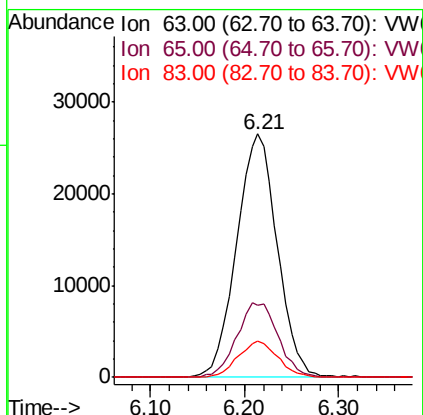
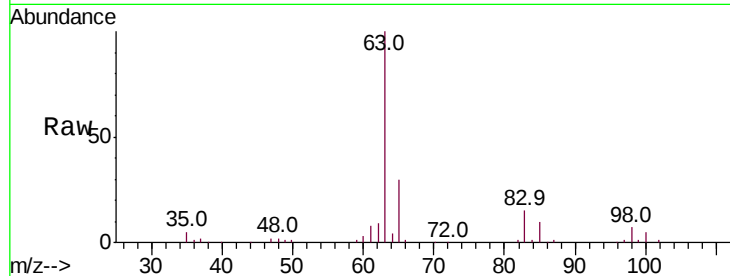




#19
 1,1-Dichloroethane
 Concen: 26.810 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.01 min
 Lab File: VW007331.D
 Acq: 08 Dec 2018 02:09

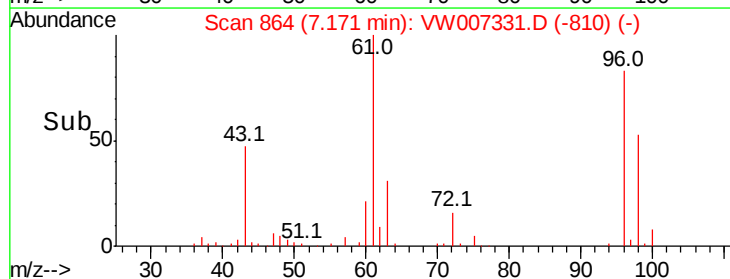
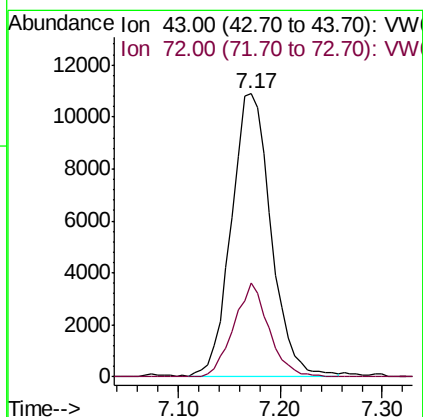
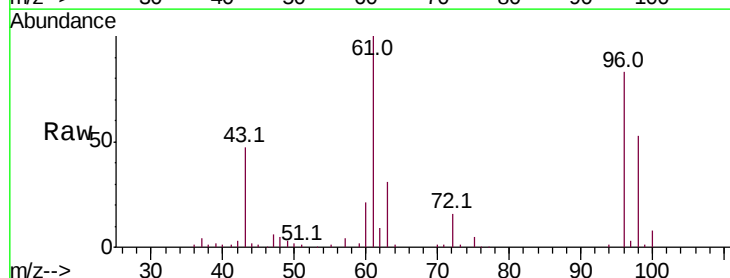
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02599

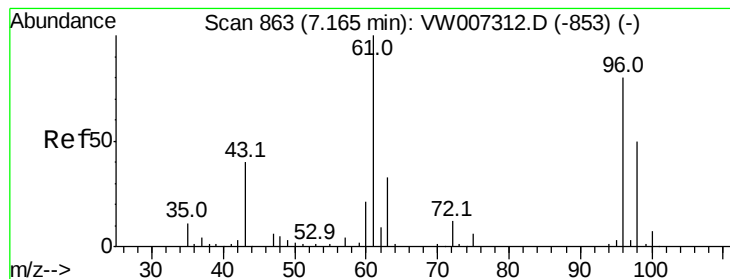
Tot Ion: 63 Resp: 79967
 Ion Ratio Lower Upper
 63 100
 65 29.8 22.1 41.1
 83 15.0 9.8 18.2



#21
 2-Butanone
 Concen: 41.360 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW007331.D
 Acq: 08 Dec 2018 02:09

Tgt Ion: 43 Resp: 29476
 Ion Ratio Lower Upper
 43 100
 72 29.3 14.7 44.1



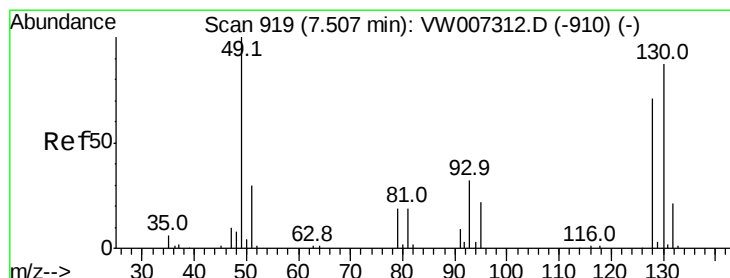
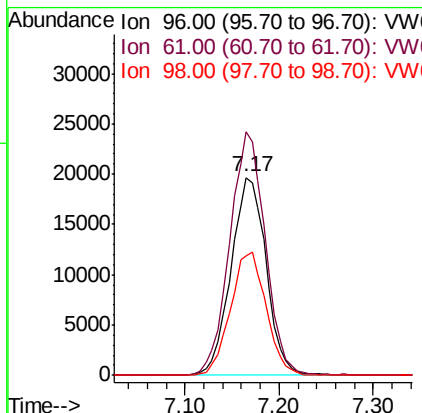
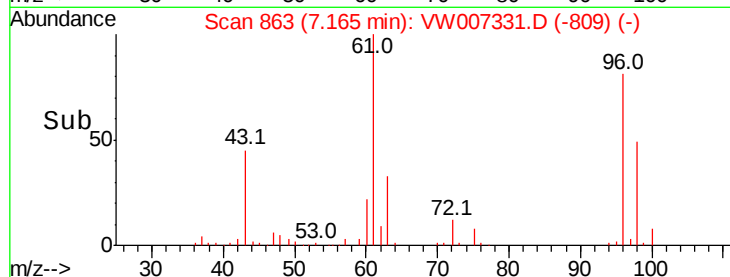
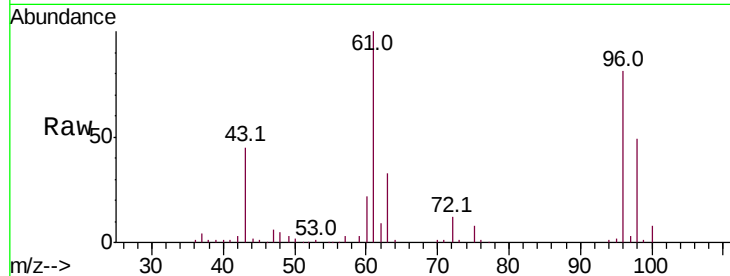


#22

cis-1,2-Dichloroethene
 Concen: 26.547 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW007331.D
 Acq: 08 Dec 2018 02:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02599

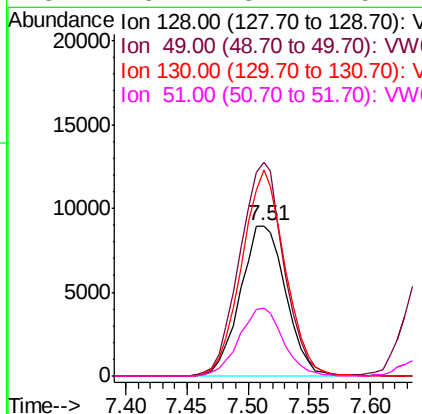
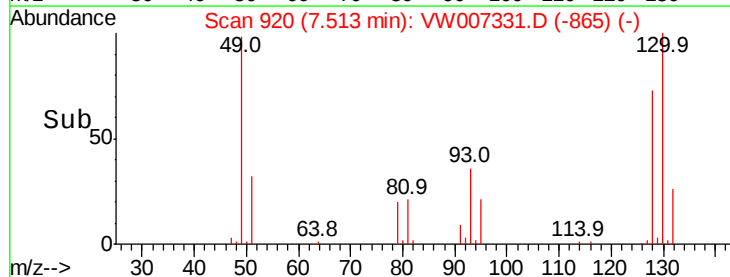
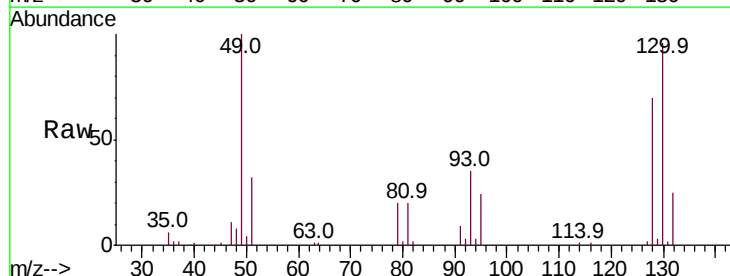
Tot Ion: 96 Resp: 51118
 Ion Ratio Lower Upper
 96 100
 61 123.0 84.6 157.2
 98 60.1 42.9 79.7

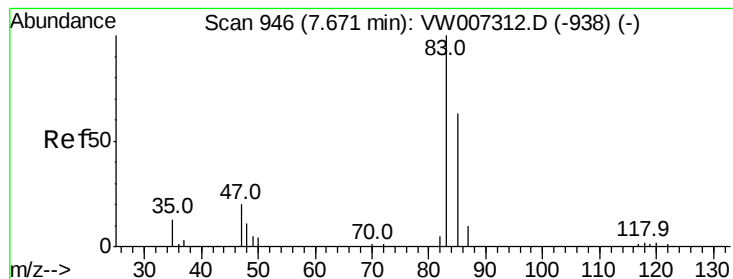


#23

Bromochloromethane
 Concen: 26.288 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW007331.D
 Acq: 08 Dec 2018 02:09

Tgt Ion: 128 Resp: 23076
 Ion Ratio Lower Upper
 128 100
 49 142.2 102.3 190.1
 130 136.9 88.0 163.4
 51 45.4 34.2 51.4





#25

Chloroform

Concen: 27.449 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW007331.D

Acq: 08 Dec 2018 02:09

Instrument :

MSVOA_W

ClientSampleId :

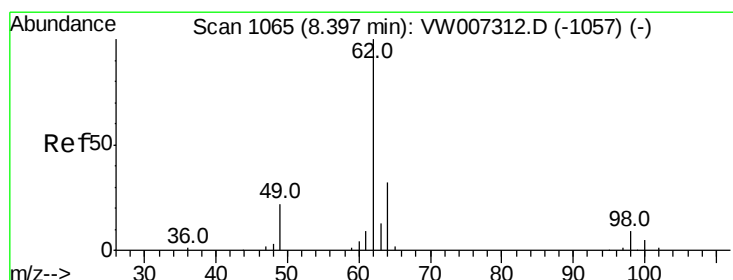
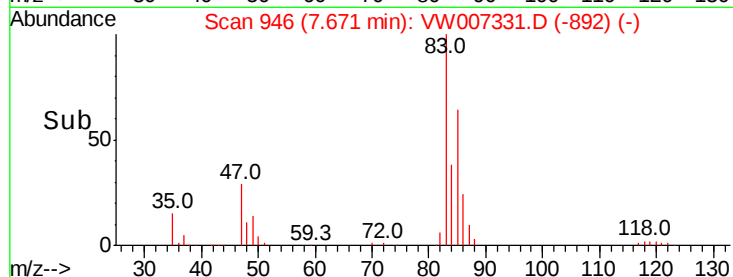
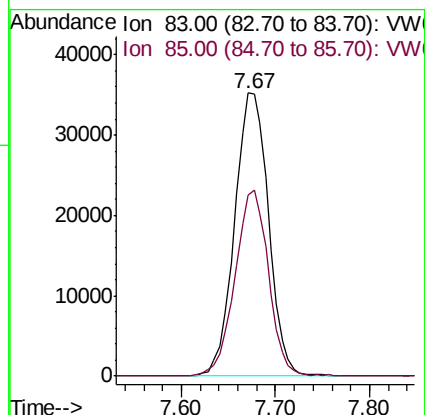
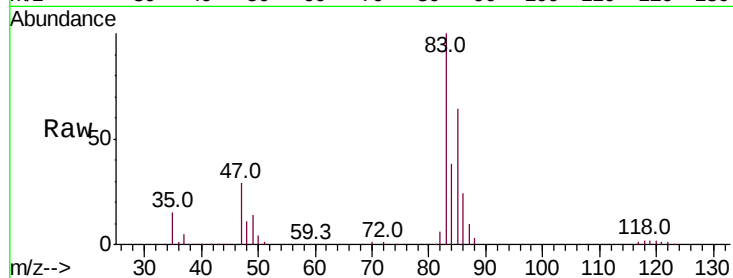
VSTD02599

Tot Ion: 83 Resp: 88584

Ion Ratio Lower Upper

83 100

85 64.7 46.0 85.4



#27

1,2-Dichloroethane

Concen: 26.108 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW007331.D

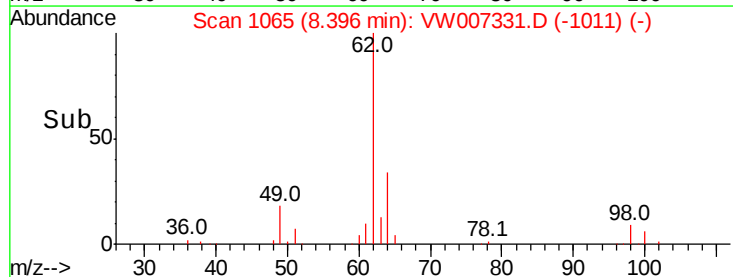
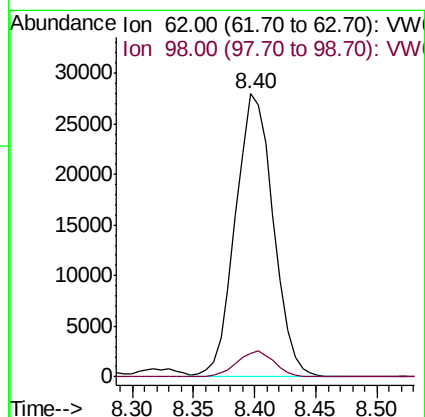
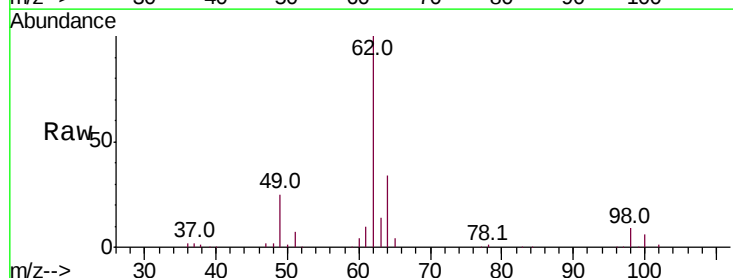
Acq: 08 Dec 2018 02:09

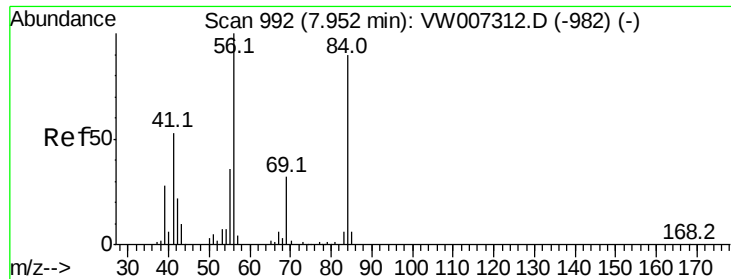
Tgt Ion: 62 Resp: 60230

Ion Ratio Lower Upper

62 100

98 8.5 6.9 10.3

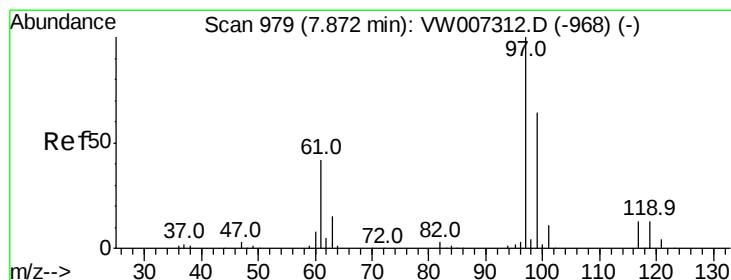
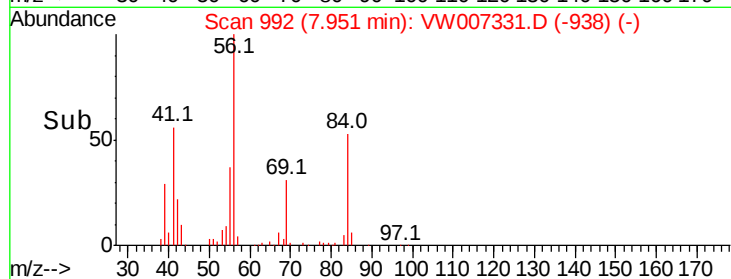
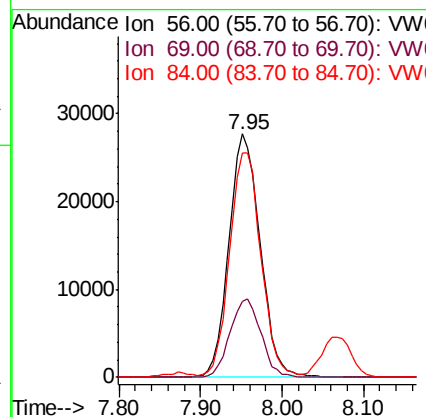
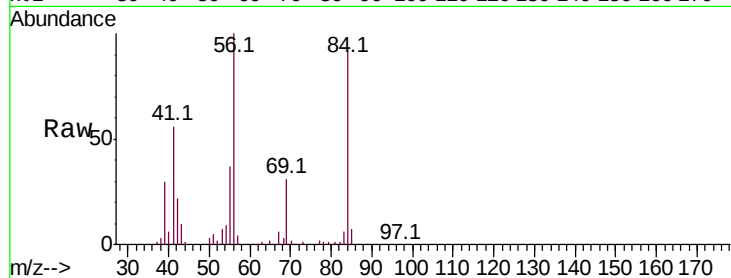




#30
Cyclohexane
Concen: 26.268 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007331.D
Acq: 08 Dec 2018 02:09

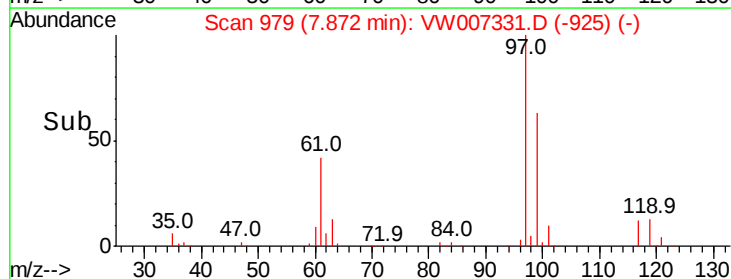
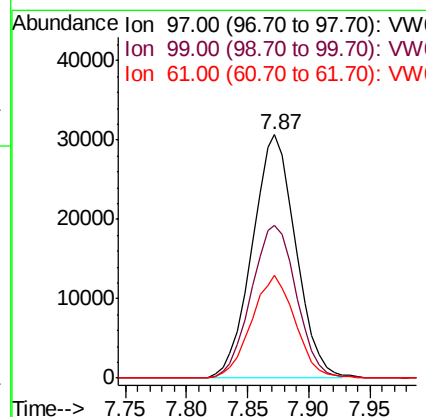
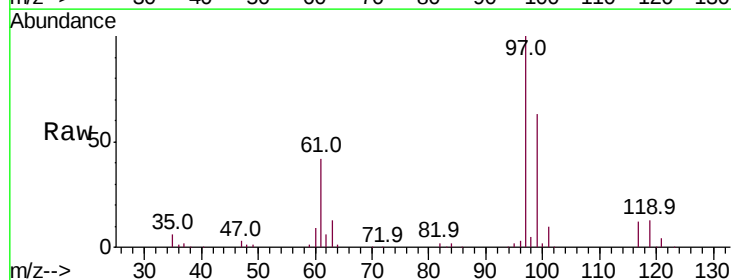
Instrument :
MSVOA_W
ClientSampleId :
VSTD02599

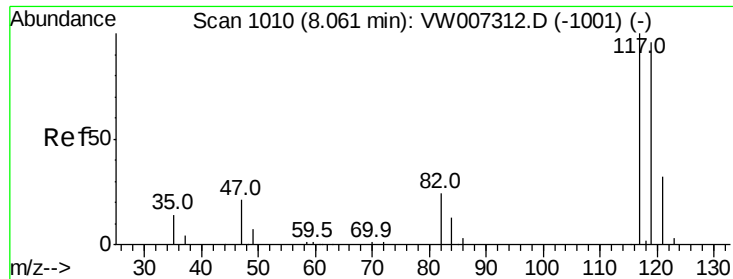
Tot Ion: 56 Resp: 73353
Ion Ratio Lower Upper
56 100
69 31.7 26.0 39.0
84 91.7 73.6 110.4



#31
1,1,1-Trichloroethane
Concen: 27.728 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW007331.D
Acq: 08 Dec 2018 02:09

Tgt Ion: 97 Resp: 75966
Ion Ratio Lower Upper
97 100
99 65.3 51.3 76.9
61 42.6 33.2 49.8





#32

Carbon tetrachloride

Concen: 27.590 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW007331.D

Acq: 08 Dec 2018 02:09

Instrument :

MSVOA_W

ClientSampleId :

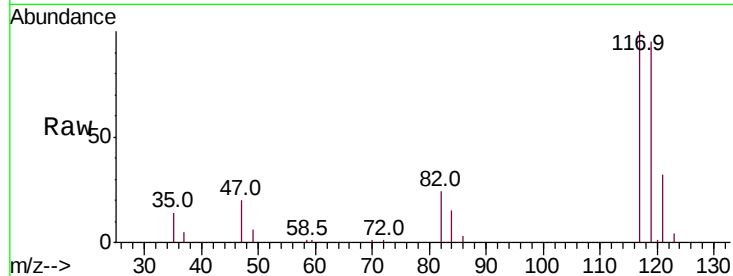
VSTD02599

Tot Ion:117 Resp: 73043

Ion Ratio Lower Upper

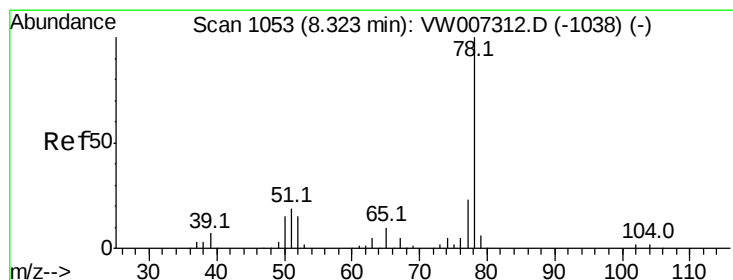
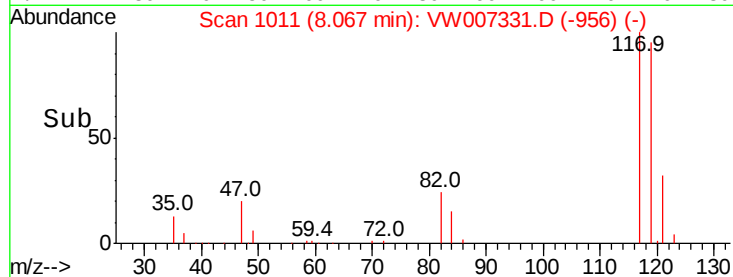
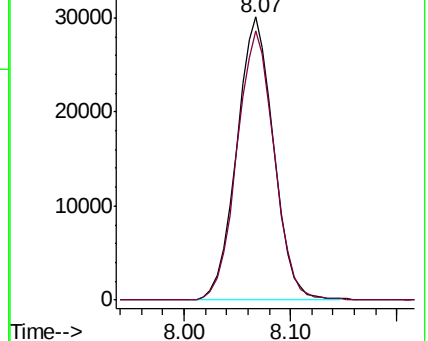
117 100

119 96.1 75.3 112.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 27.511 ug/L

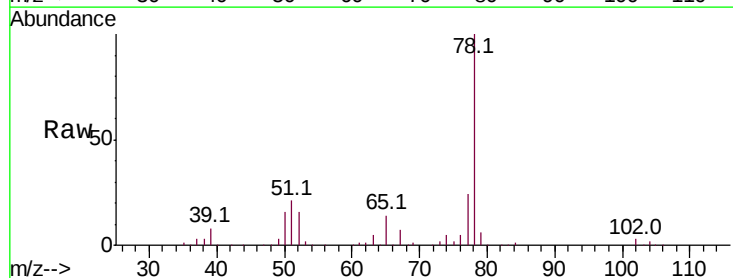
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

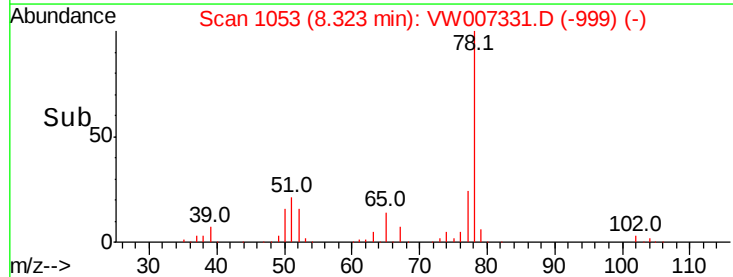
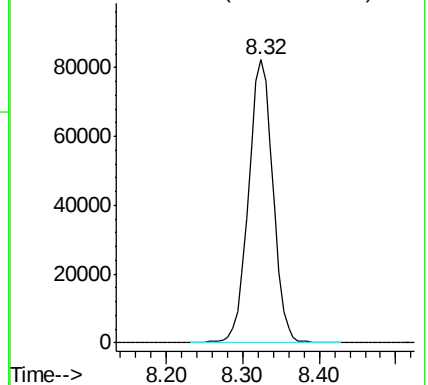
Lab File: VW007331.D

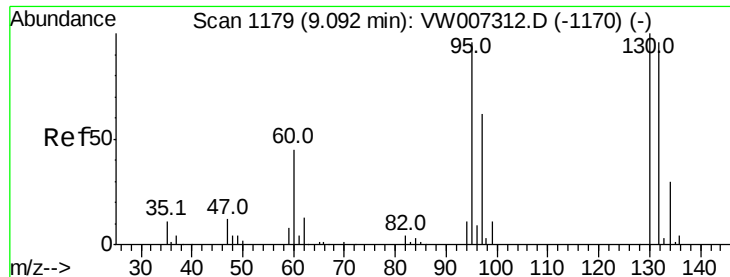
Acq: 08 Dec 2018 02:09

Tgt Ion: 78 Resp: 183556



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 26.785 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007331.D

Acq: 08 Dec 2018 02:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD02599

Tot Ion: 95 Resp: 51245

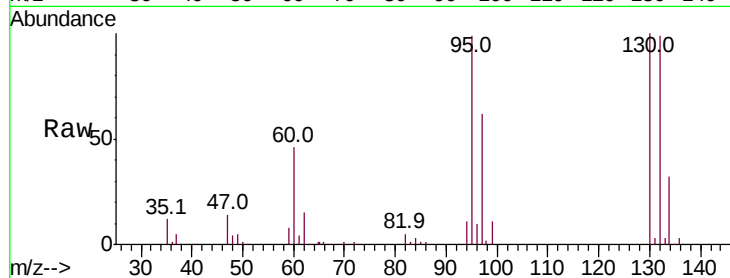
Ion Ratio Lower Upper

95 100

97 65.1 45.8 85.0

132 98.8 68.0 126.4

130 102.9 71.6 133.0

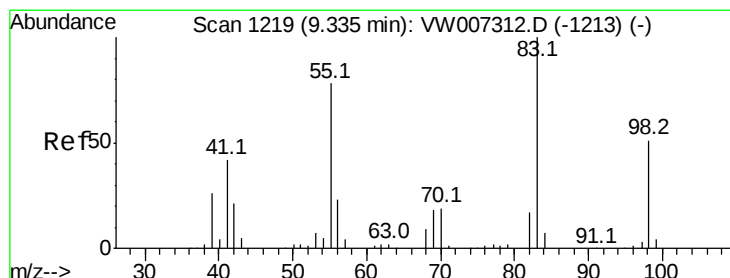
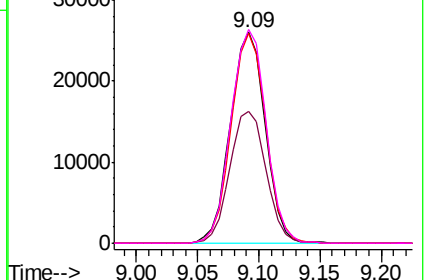
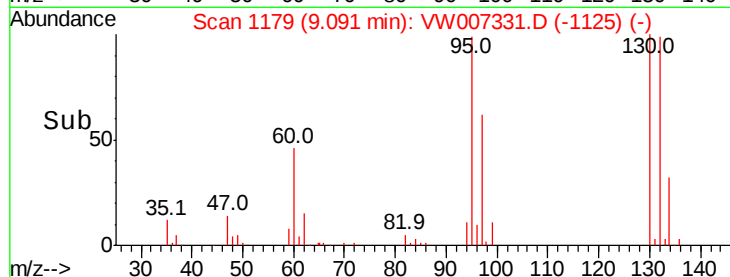


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 26.162 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW007331.D

Acq: 08 Dec 2018 02:09

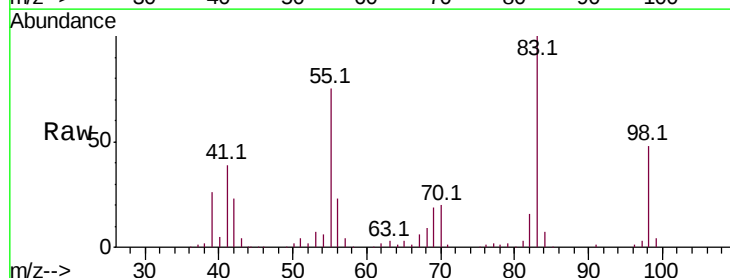
Tgt Ion: 83 Resp: 86407

Ion Ratio Lower Upper

83 100

55 72.2 59.4 89.2

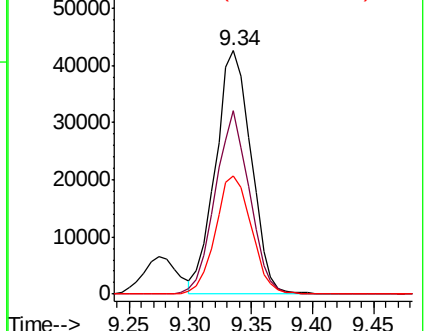
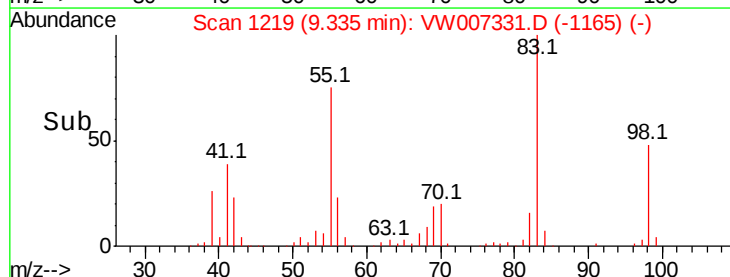
98 49.1 38.1 57.1

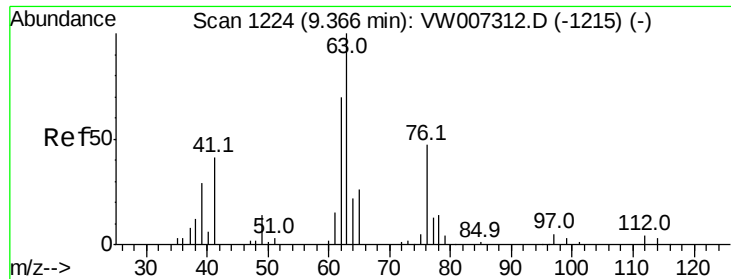


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

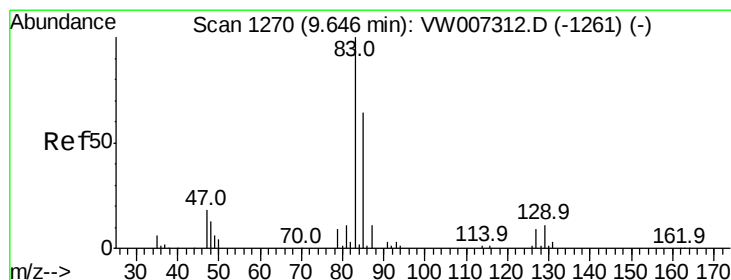
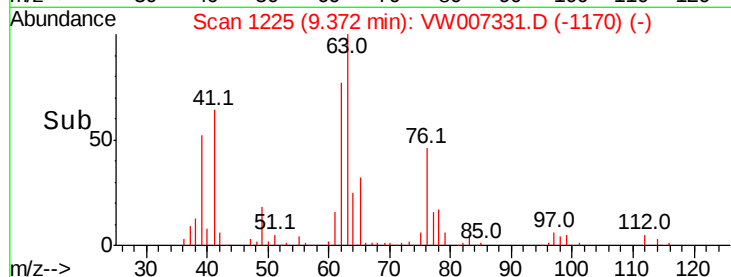
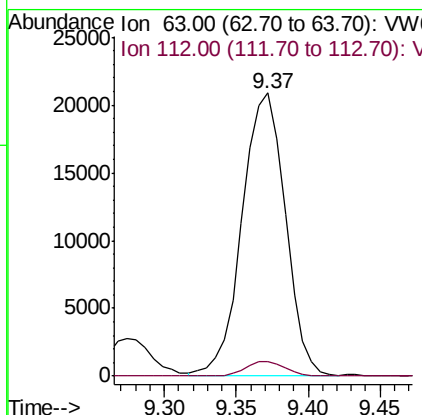
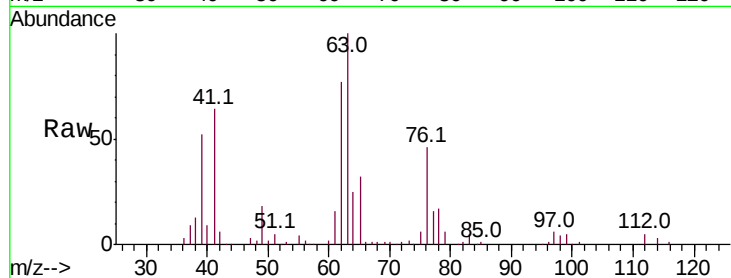




#40
 1,2-Dichloropropane
 Concen: 26.740 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW007331.D
 Acq: 08 Dec 2018 02:09

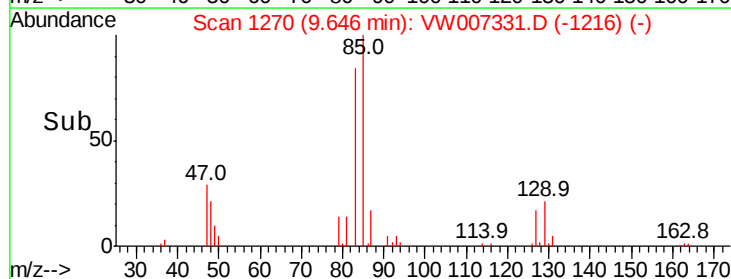
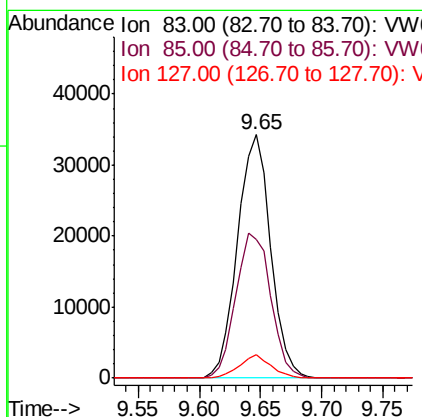
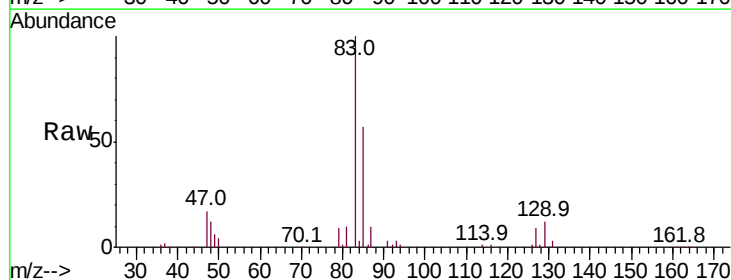
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02599

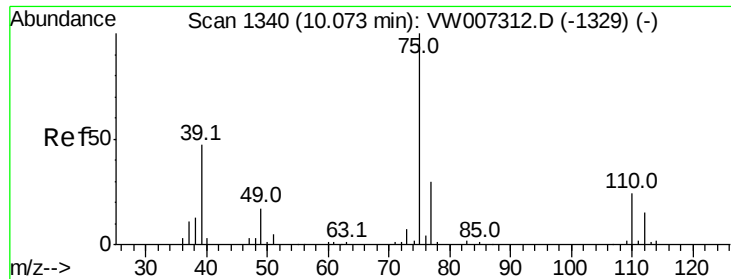
Tot Ion: 63 Resp: 43642
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.6 5.4



#41
 Bromodichloromethane
 Concen: 27.576 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW007331.D
 Acq: 08 Dec 2018 02:09

Tgt Ion: 83 Resp: 64622
 Ion Ratio Lower Upper
 83 100
 85 57.2 44.9 83.5
 127 9.5 7.4 11.2





#42

cis-1,3-Dichloropropene

Concen: 26.364 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW007331.D

Acq: 08 Dec 2018 02:09

Instrument :

MSVOA_W

ClientSampleId :

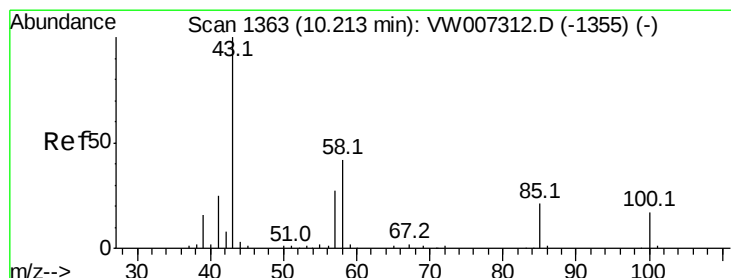
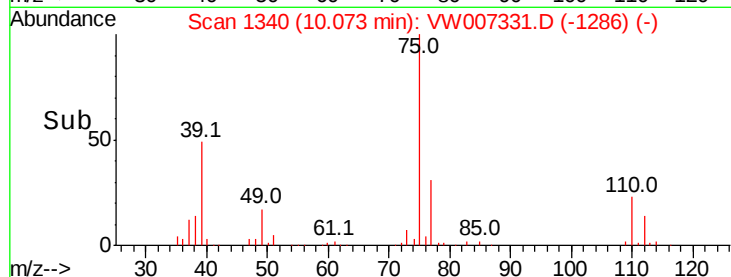
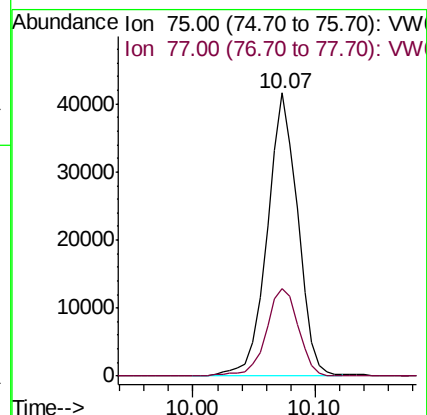
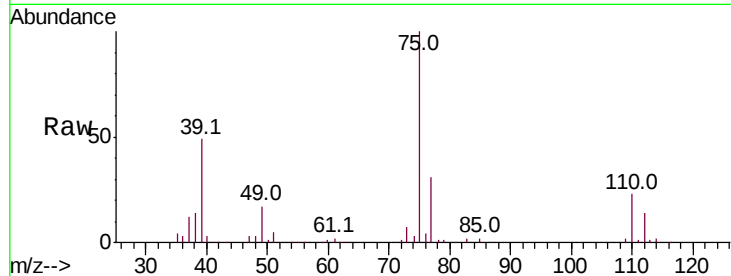
VSTD02599

Tot Ion: 75 Resp: 72260

Ion Ratio Lower Upper

75 100

77 30.7 23.0 42.6



#43

4-Methyl-2-pentanone

Concen: 46.174 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007331.D

Acq: 08 Dec 2018 02:09

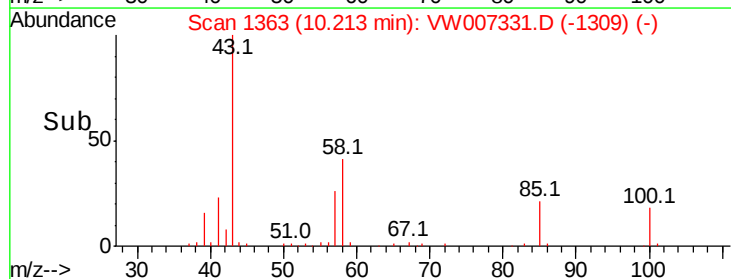
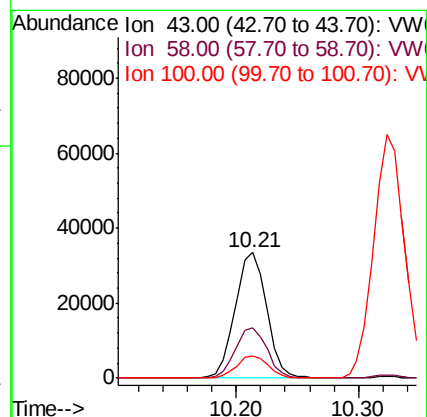
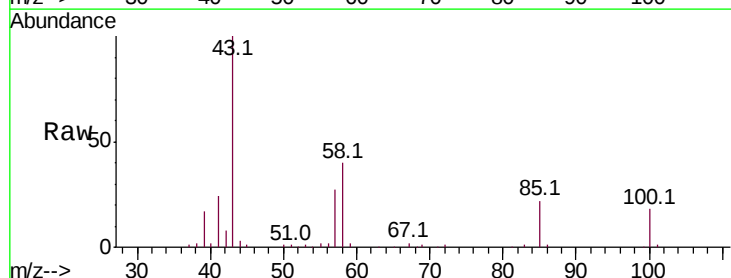
Tgt Ion: 43 Resp: 59647

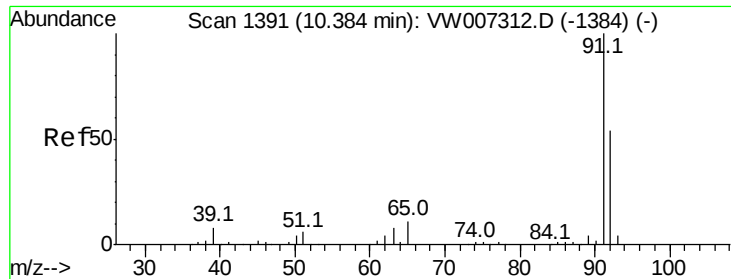
Ion Ratio Lower Upper

43 100

58 40.4 32.6 48.8

100 17.7 13.8 20.8





#44

Toluene

Concen: 28.013 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW007331.D

Acq: 08 Dec 2018 02:09

Instrument :

MSVOA_W

ClientSampleId :

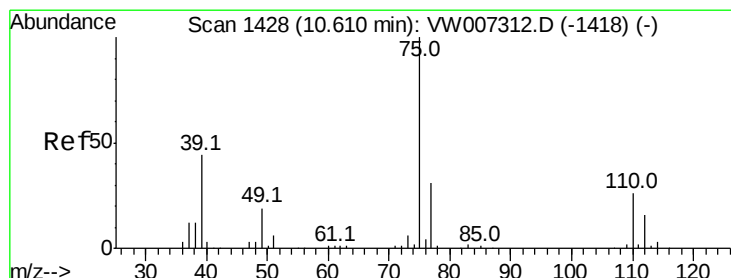
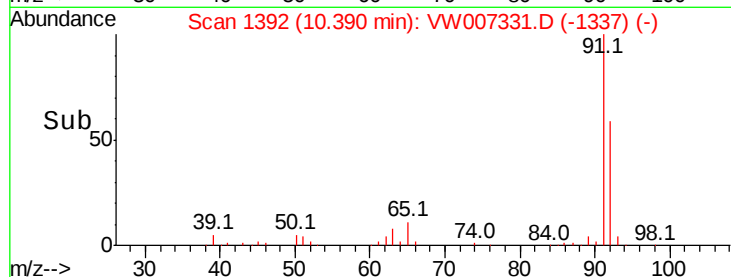
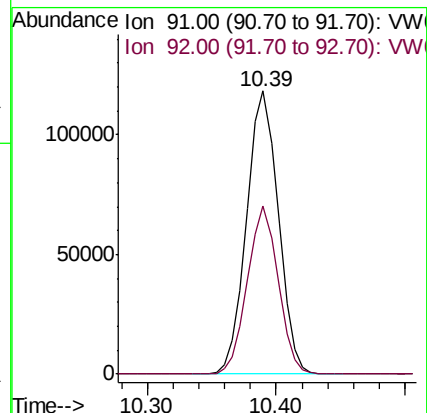
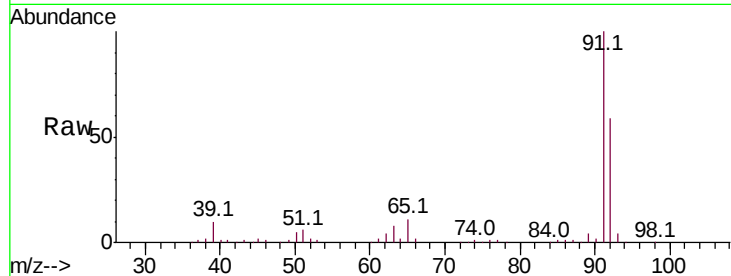
VSTD02599

Tot Ion: 91 Resp: 201457

Ion Ratio Lower Upper

91 100

92 59.2 38.2 71.0



#45

trans-1,3-Dichloropropene

Concen: 26.054 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW007331.D

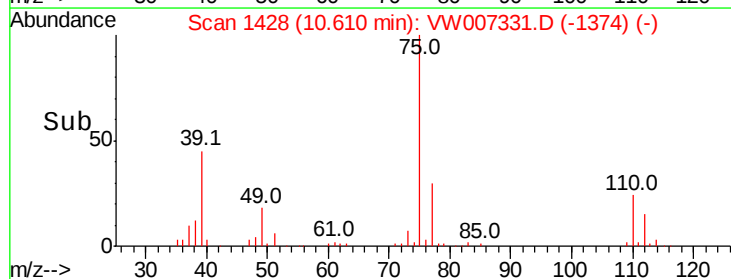
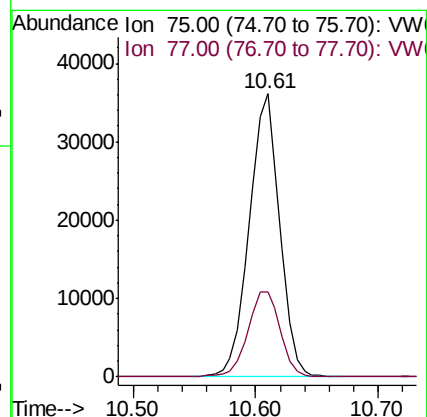
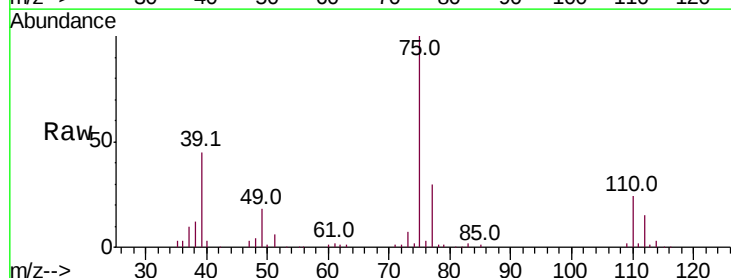
Acq: 08 Dec 2018 02:09

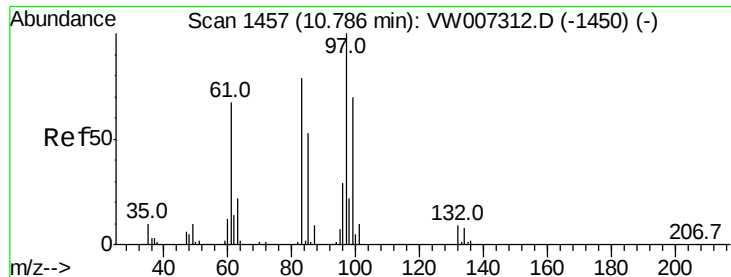
Tgt Ion: 75 Resp: 62711

Ion Ratio Lower Upper

75 100

77 30.0 22.6 42.0





#46

1,1,2-Trichloroethane

Concen: 26.324 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW007331.D

Acq: 08 Dec 2018 02:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD02599

Tot Ion: 97 Resp: 35376

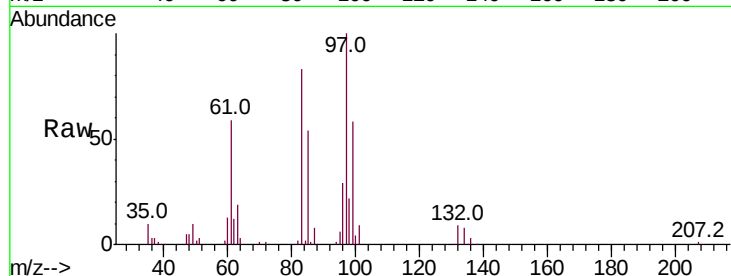
Ion Ratio Lower Upper

97 100

83 82.8 61.2 113.8

85 54.3 42.5 78.9

99 58.1 45.7 84.9

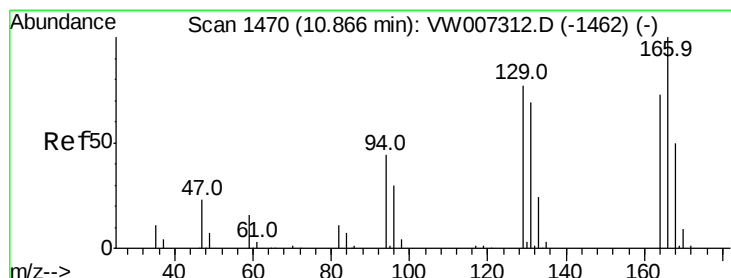
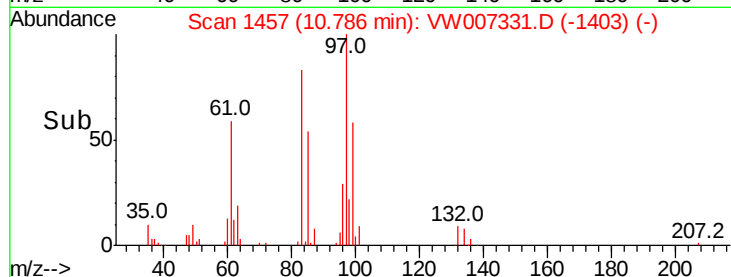
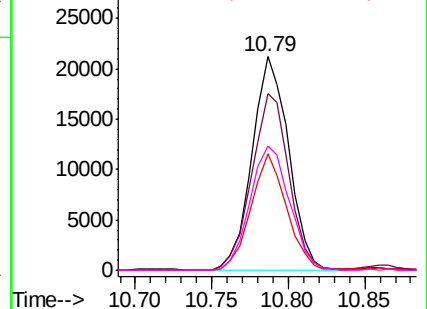


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 27.481 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW007331.D

Acq: 08 Dec 2018 02:09

Tgt Ion: 164 Resp: 39716

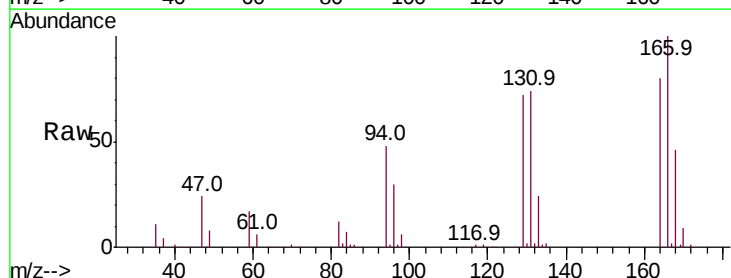
Ion Ratio Lower Upper

164 100

129 90.0 70.8 131.6

131 92.9 70.4 130.8

166 125.1 84.2 156.4

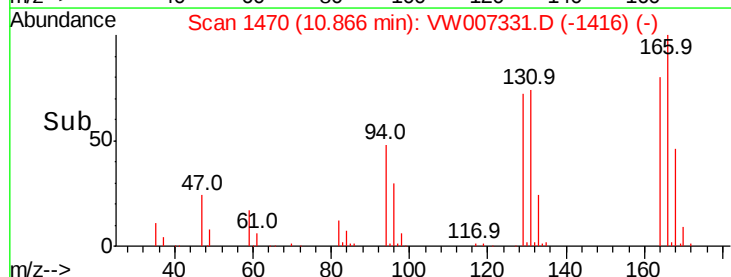
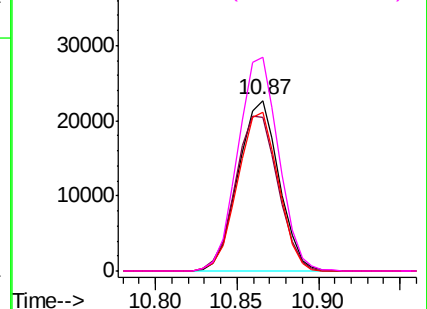


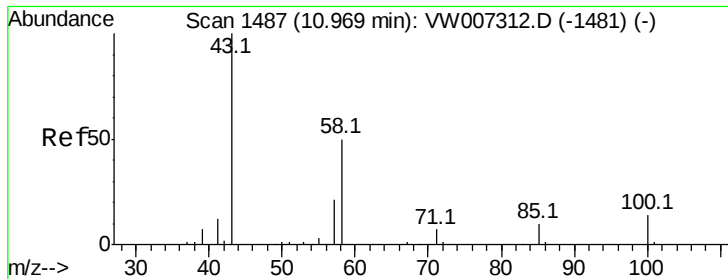
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 43.459 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW007331.D

Acq: 08 Dec 2018 02:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD02599

Tot Ion: 43 Resp: 39457

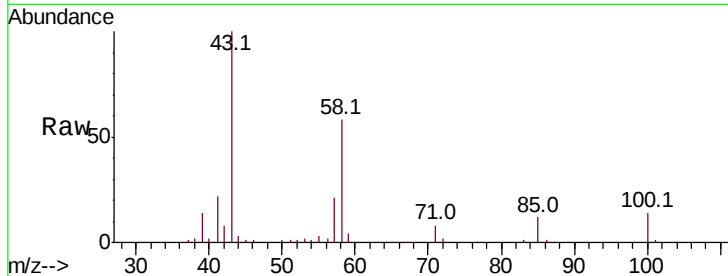
Ion Ratio Lower Upper

43 100

58 56.9 47.2 70.8

57 20.9 17.6 26.4

100 13.7 12.2 18.2

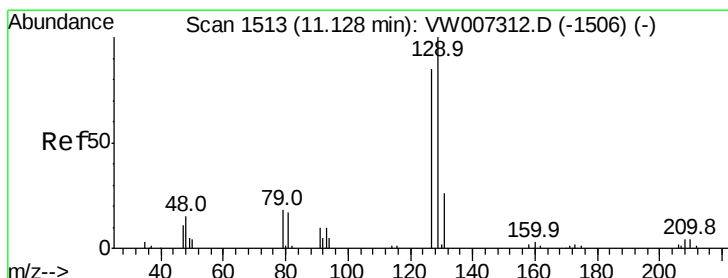
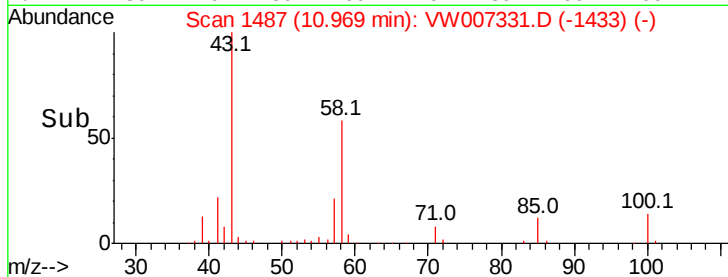
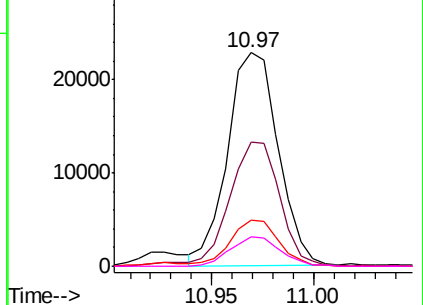


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 27.785 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW007331.D

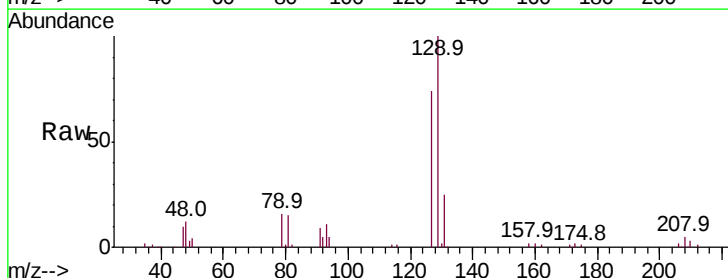
Acq: 08 Dec 2018 02:09

Tgt Ion: 129 Resp: 45872

Ion Ratio Lower Upper

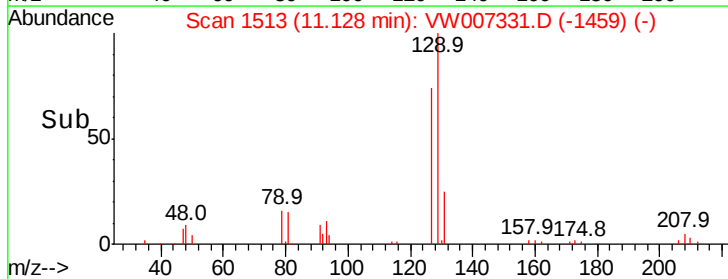
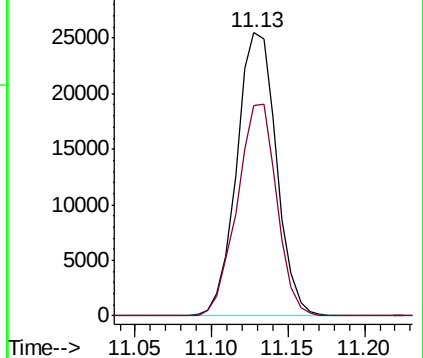
129 100

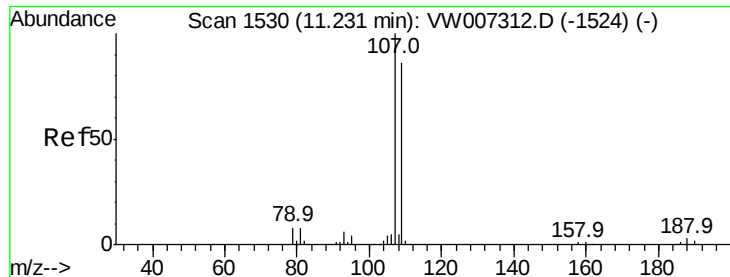
127 74.4 53.8 100.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

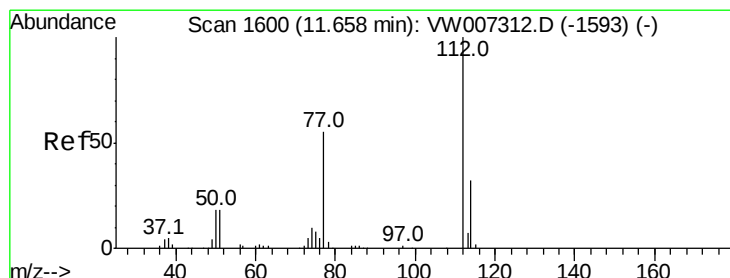
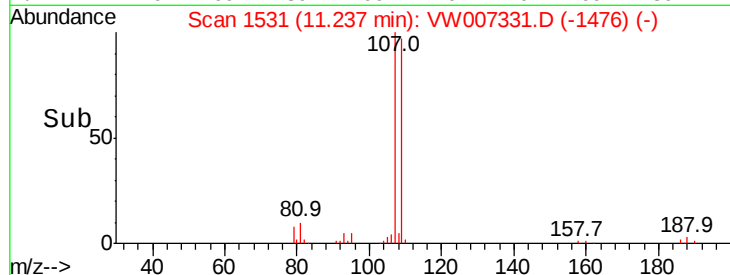
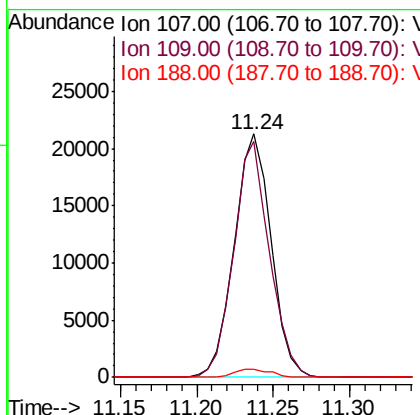
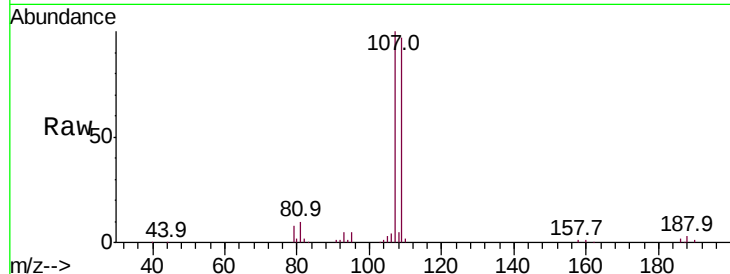




#51
1,2-Dibromoethane
Concen: 26.283 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.01 min
Lab File: VW007331.D
Acq: 08 Dec 2018 02:09

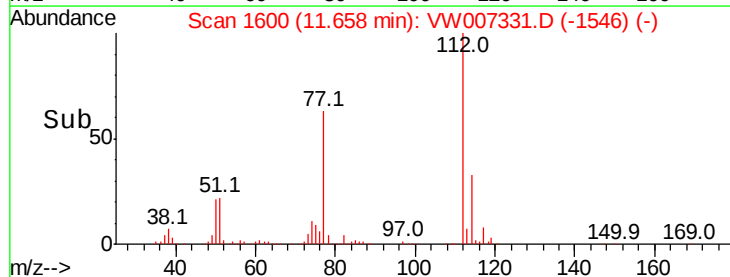
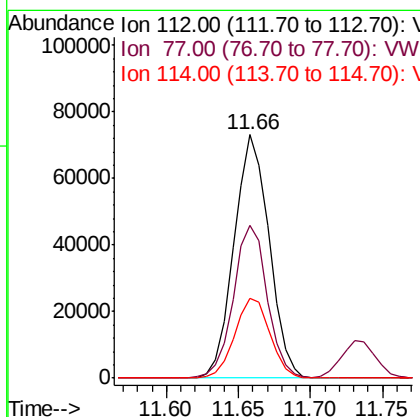
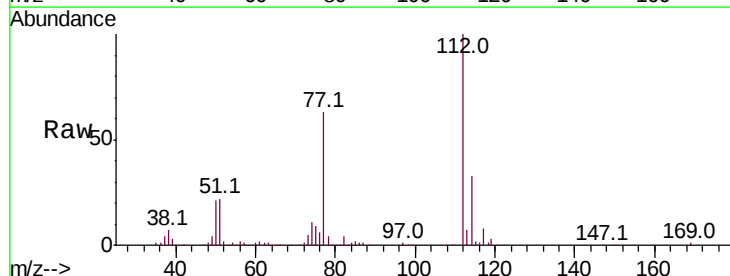
Instrument :
MSVOA_W
ClientSampleId :
VSTD02599

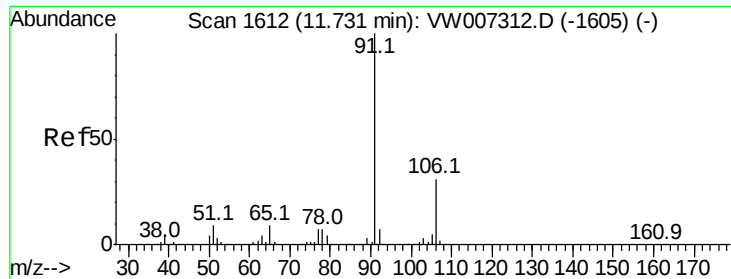
Tot Ion:107 Resp: 35473
Ion Ratio Lower Upper
107 100
109 96.7 67.6 125.6
188 3.4 2.6 4.0



#52
Chlorobenzene
Concen: 26.571 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007331.D
Acq: 08 Dec 2018 02:09

Tgt Ion:112 Resp: 124015
Ion Ratio Lower Upper
112 100
77 62.8 42.6 63.8
114 33.0 23.0 42.8

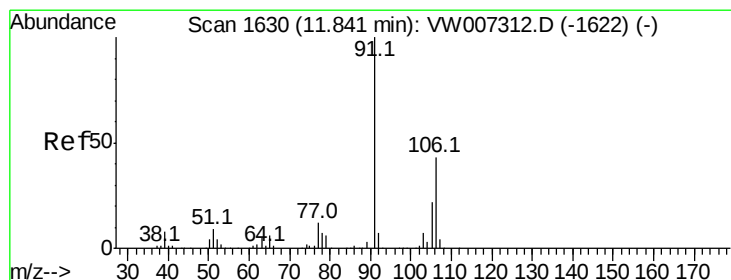
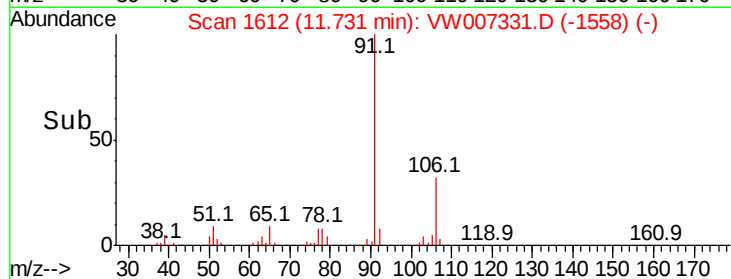
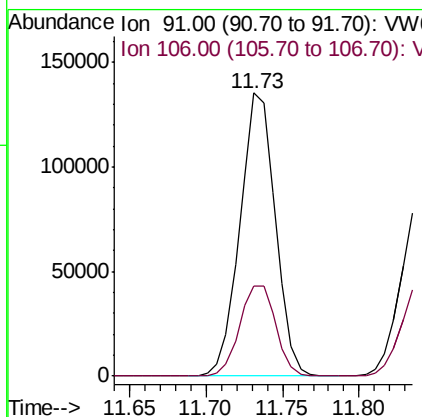
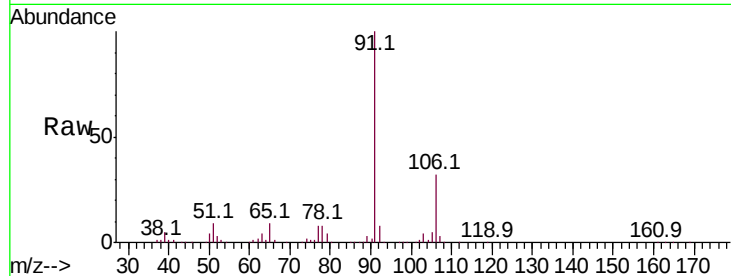




#53
Ethylbenzene
Concen: 26.813 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007331.D
Acq: 08 Dec 2018 02:09

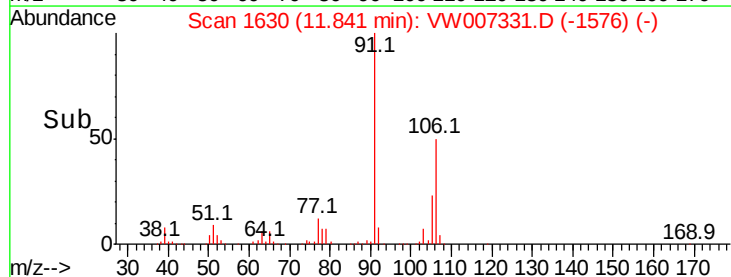
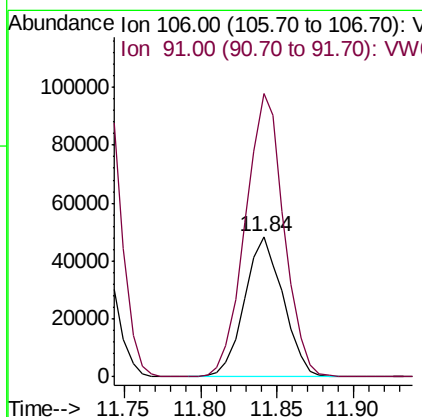
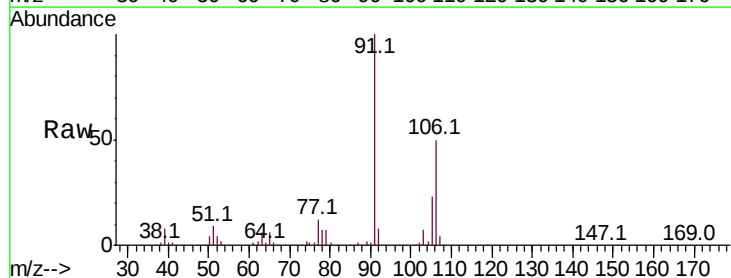
Instrument :
MSVOA_W
ClientSampleId :
VSTD02599

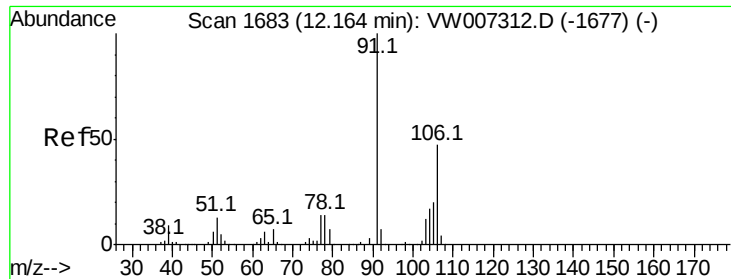
Tot Ion: 91 Resp: 216825
Ion Ratio Lower Upper
91 100
106 31.6 20.2 37.4



#54
m,p-Xylene
Concen: 27.663 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007331.D
Acq: 08 Dec 2018 02:09

Tgt Ion:106 Resp: 84975
Ion Ratio Lower Upper
106 100
91 201.6 132.2 245.6





#55

o-xylene

Concen: 26.810 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VW007331.D

Acq: 08 Dec 2018 02:09

Instrument :

MSVOA_W

ClientSampleId :

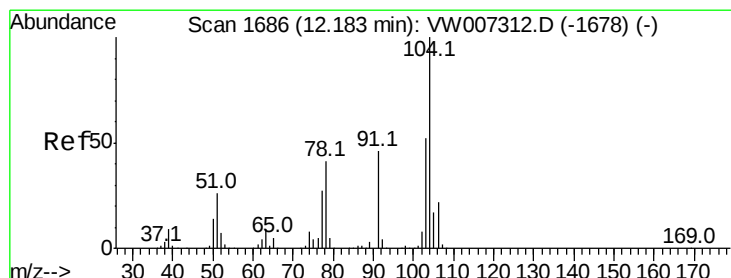
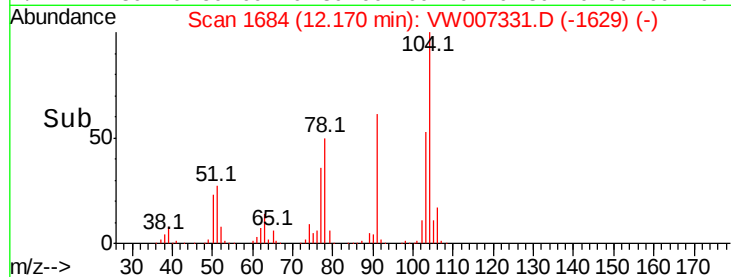
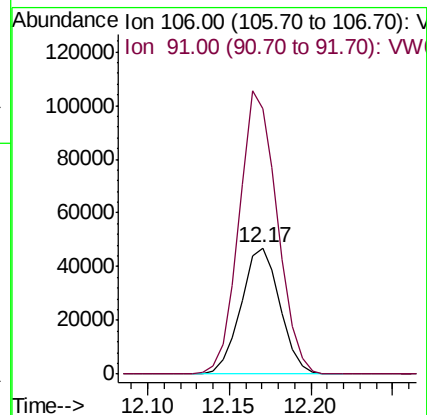
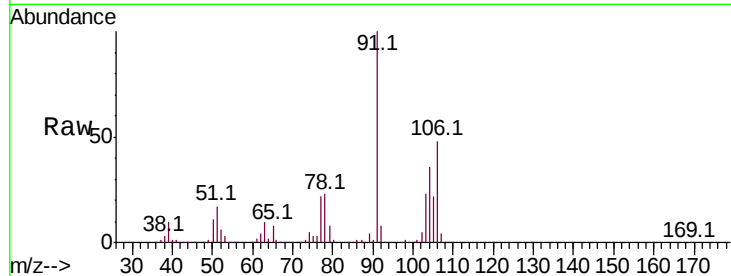
VSTD02599

Tot Ion:106 Resp: 77829

Ion Ratio Lower Upper

106 100

91 210.0 147.0 273.0



#56

Styrene

Concen: 27.288 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW007331.D

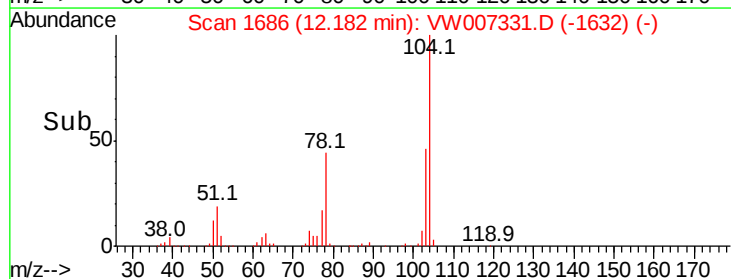
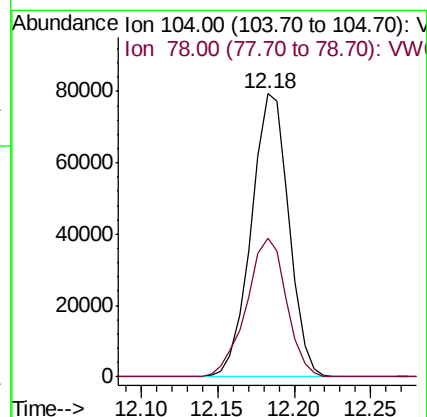
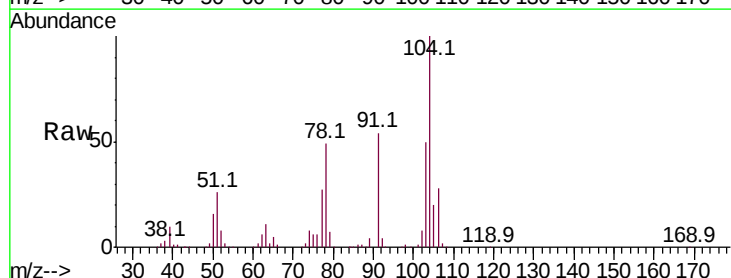
Acq: 08 Dec 2018 02:09

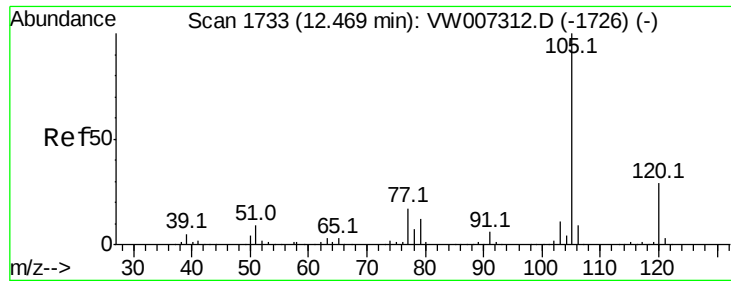
Tgt Ion:104 Resp: 135791

Ion Ratio Lower Upper

104 100

78 49.0 31.8 59.0





#57

Isopropylbenzene

Concen: 27.539 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW007331.D

Acq: 08 Dec 2018 02:09

Instrument :

MSVOA_W

ClientSampleID :

VSTD02599

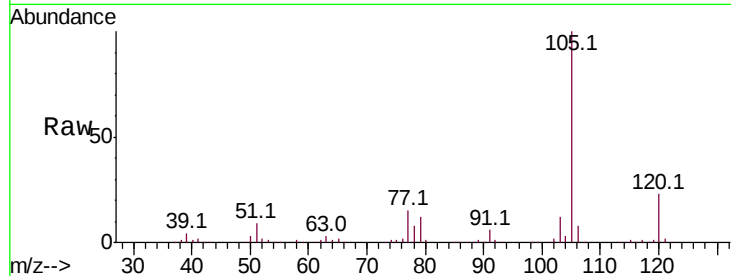
Tot Ion:105 Resp: 223128

Ion Ratio Lower Upper

105 100

120 26.0 20.6 30.8

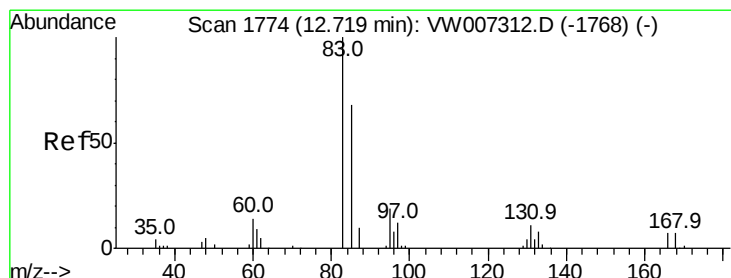
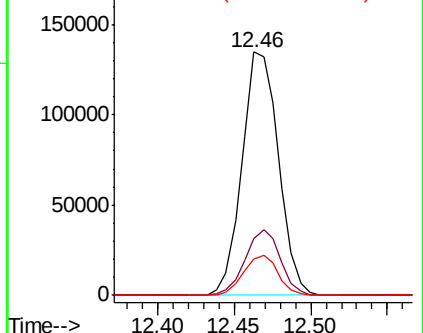
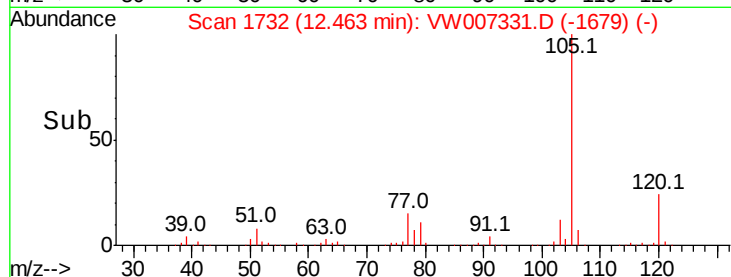
77 15.7 12.2 18.2



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: 25.460 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007331.D

Acq: 08 Dec 2018 02:09

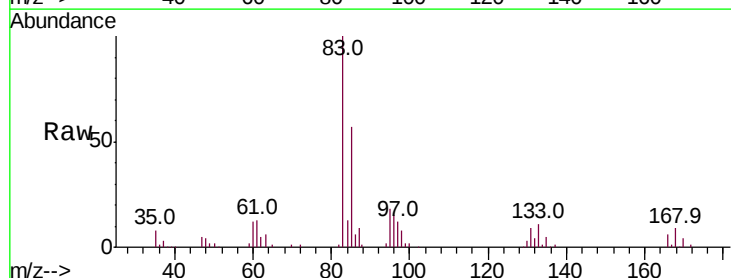
Tgt Ion: 83 Resp: 42415

Ion Ratio Lower Upper

83 100

85 56.5 46.2 85.8

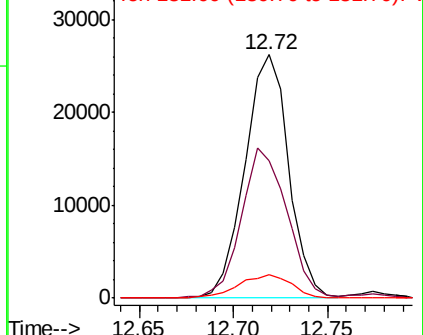
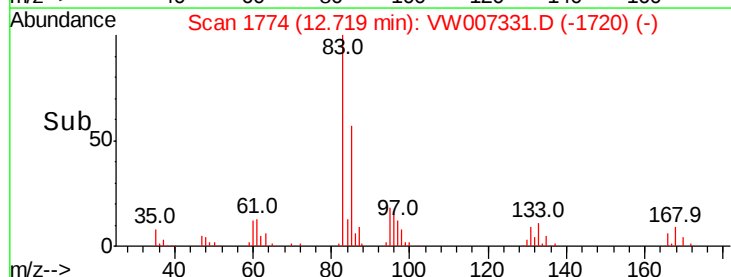
131 9.4 7.8 11.6

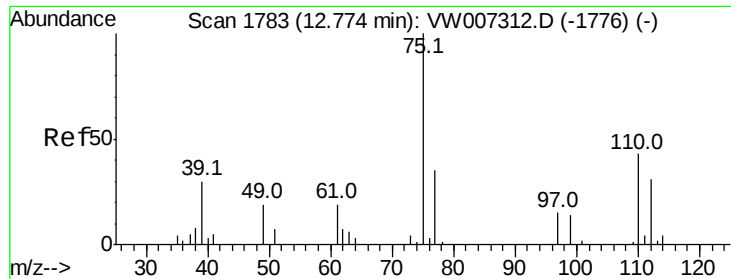


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

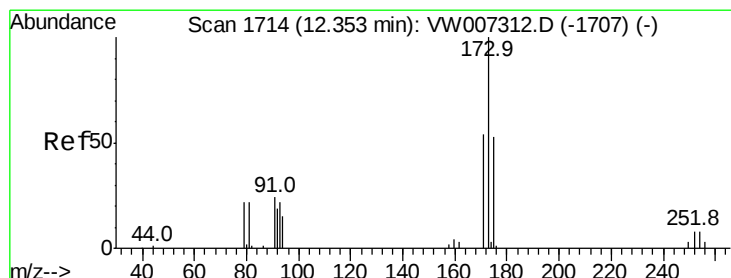
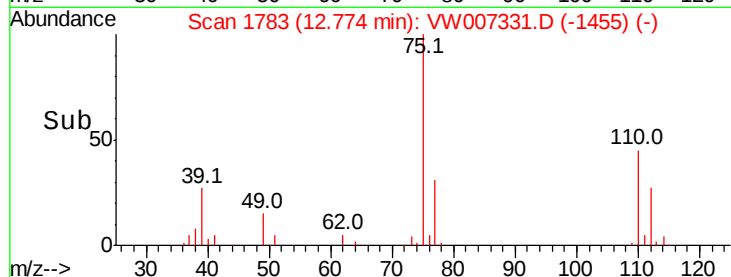
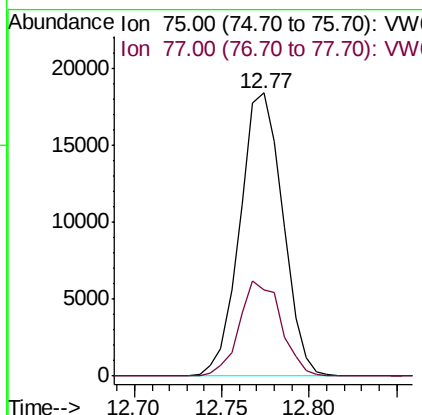
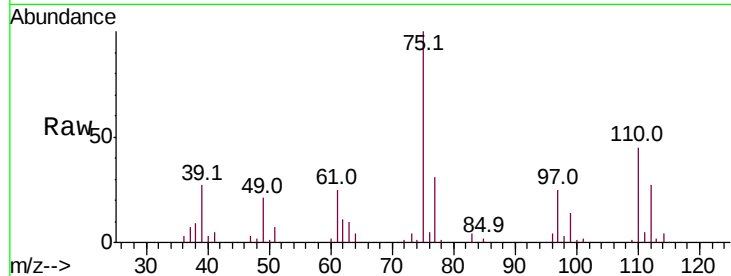




#59
 1,2,3-Trichloropropane
 Concen: 23.806 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VW007331.D
 Acq: 08 Dec 2018 02:09

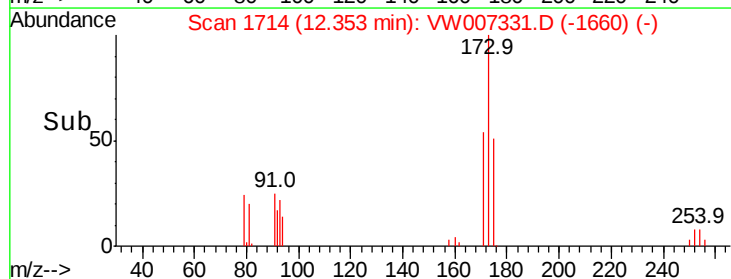
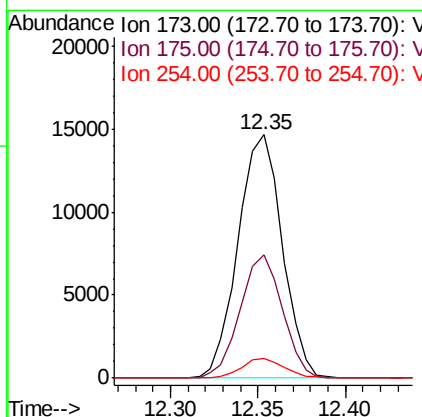
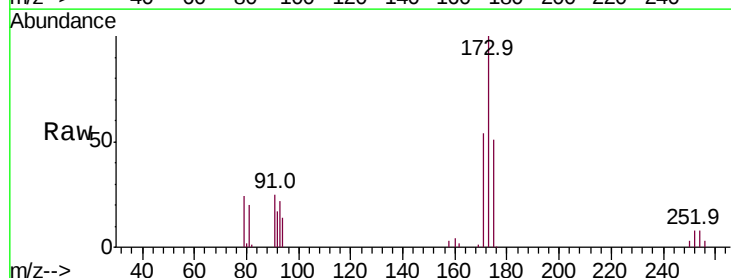
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02599

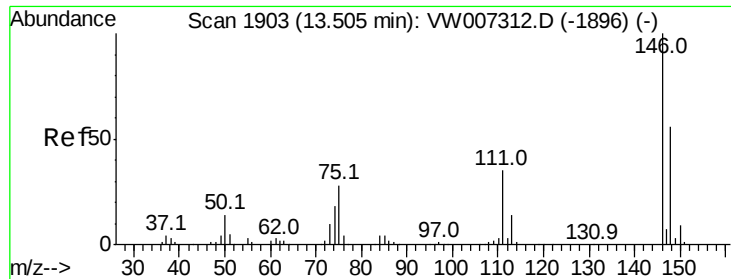
Tot Ion: 75 Resp: 31394
 Ion Ratio Lower Upper
 75 100
 77 32.8 26.5 39.7



#62
 Bromoform
 Concen: 26.483 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: VW007331.D
 Acq: 08 Dec 2018 02:09

Tgt Ion:173 Resp: 25829
 Ion Ratio Lower Upper
 173 100
 175 48.4 38.6 58.0
 254 7.8 6.4 9.6

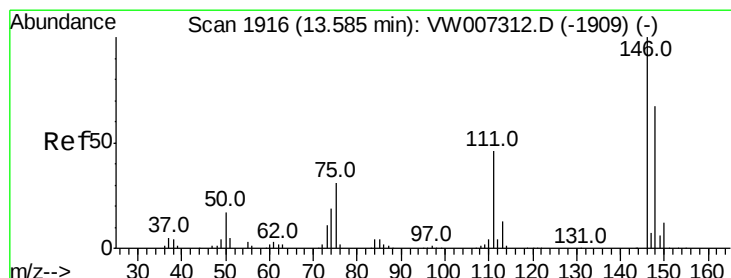
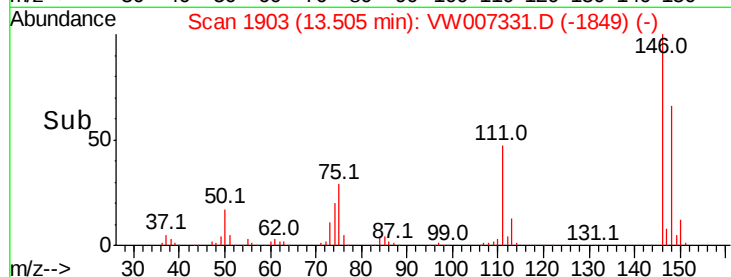
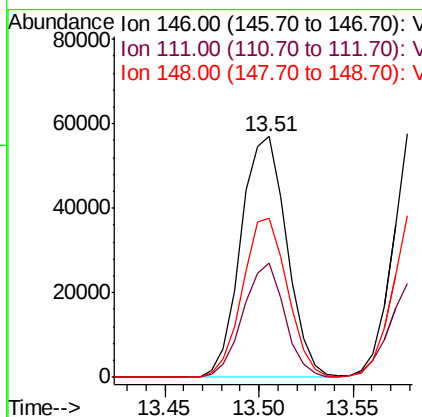
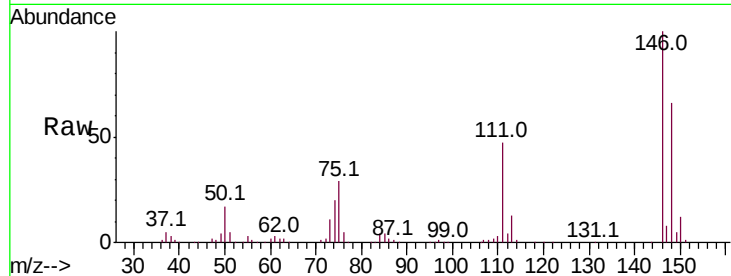




#63
 1,3-Dichlorobenzene
 Concen: 26.312 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007331.D
 Acq: 08 Dec 2018 02:09

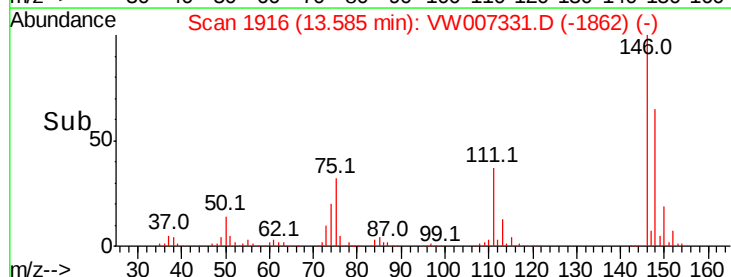
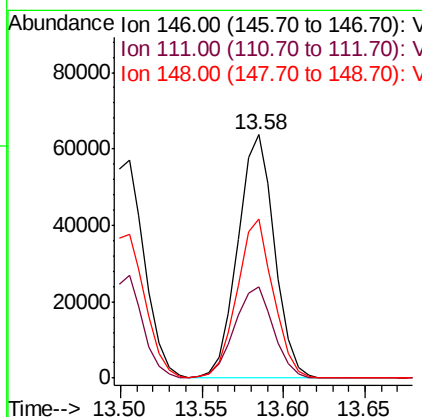
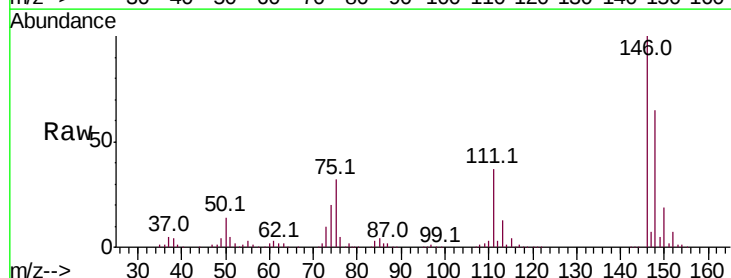
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02599

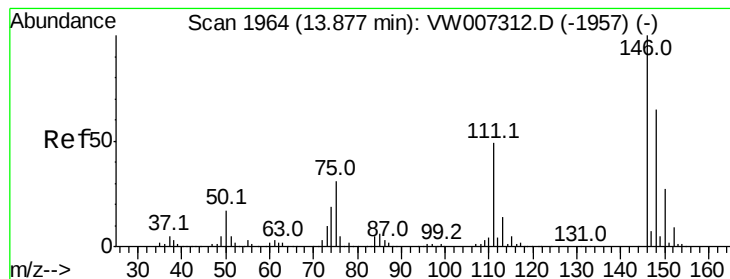
Tot Ion:146 Resp: 96270
 Ion Ratio Lower Upper
 146 100
 111 47.3 31.0 57.6
 148 66.0 44.7 83.1



#64
 1,4-Dichlorobenzene
 Concen: 27.351 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007331.D
 Acq: 08 Dec 2018 02:09

Tgt Ion:146 Resp: 99761
 Ion Ratio Lower Upper
 146 100
 111 37.3 24.8 46.0
 148 65.4 38.7 71.9





#65

1,2-Dichlorobenzene

Concen: 28.477 ug/L

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW007331.D

Acq: 08 Dec 2018 02:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD02599

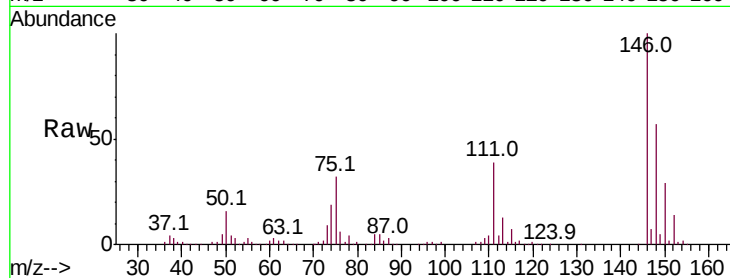
Tot Ion:146 Resp: 93245

Ion Ratio Lower Upper

146 100

111 38.8 39.3 58.9#

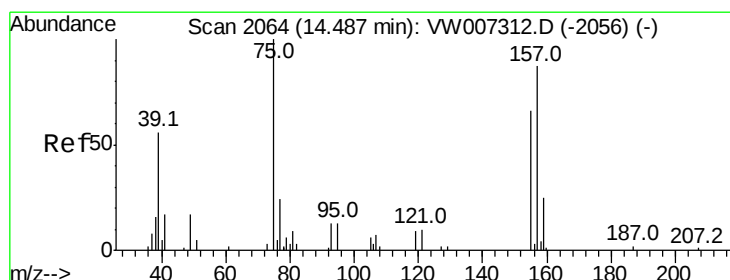
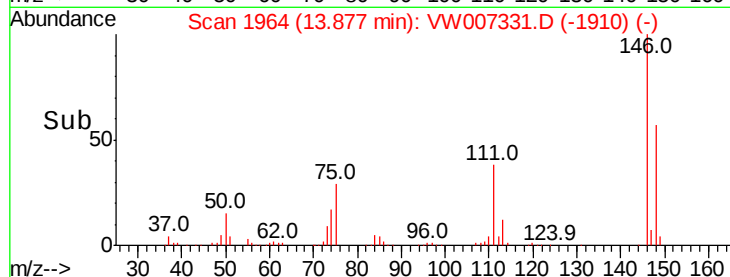
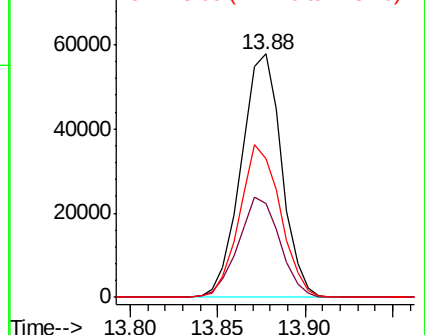
148 57.1 51.8 77.8



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



#66

1,2-Dibromo-3-chloropropane

Concen: 23.387 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW007331.D

Acq: 08 Dec 2018 02:09

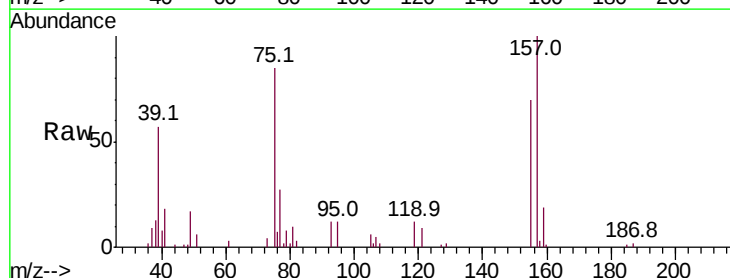
Tgt Ion: 75 Resp: 8111

Ion Ratio Lower Upper

75 100

157 117.2 86.0 129.0

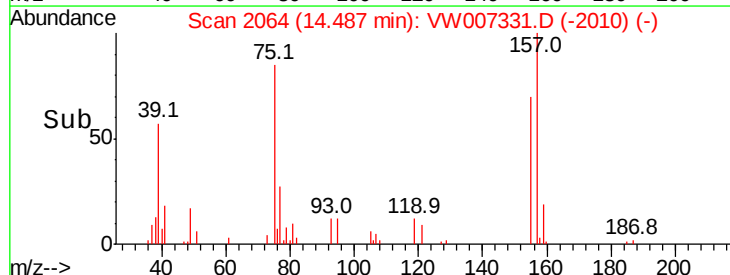
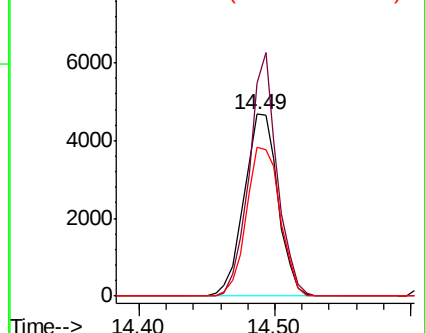
155 82.3 64.9 97.3

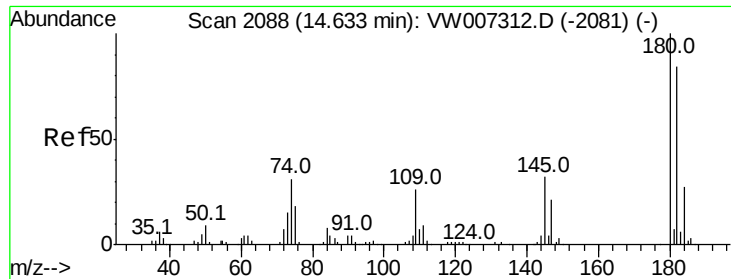


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

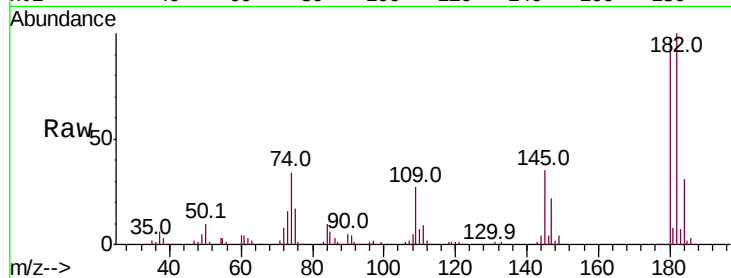




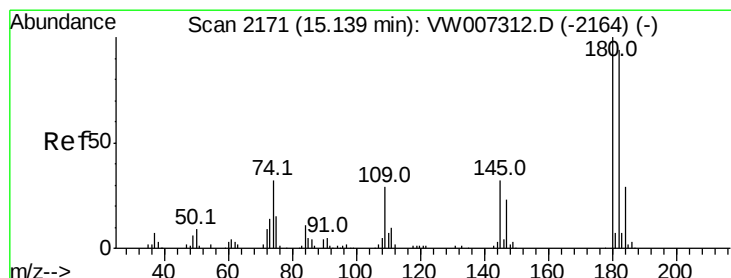
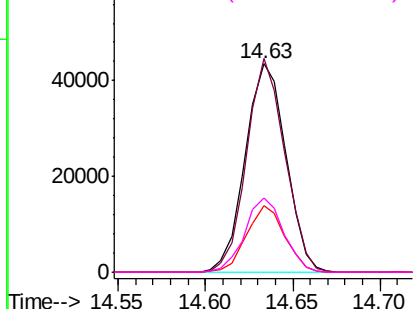
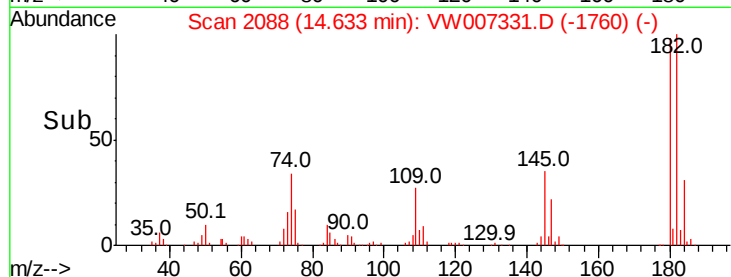
#67
 1,3,5-Trichlorobenzene
 Concen: 26.576 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW007331.D
 Acq: 08 Dec 2018 02:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02599

Tot Ion:180 Resp: 70435
 Ion Ratio Lower Upper
 180 100
 182 96.5 74.6 111.8
 184 30.3 24.7 37.1
 145 34.2 27.2 40.8

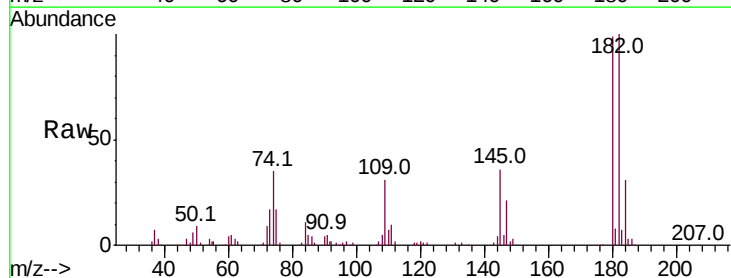


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

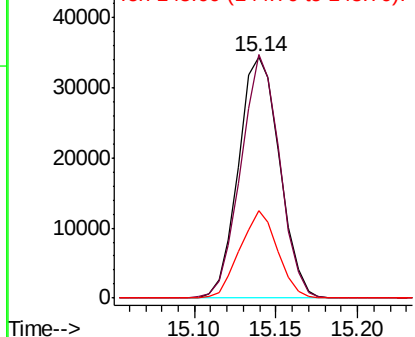
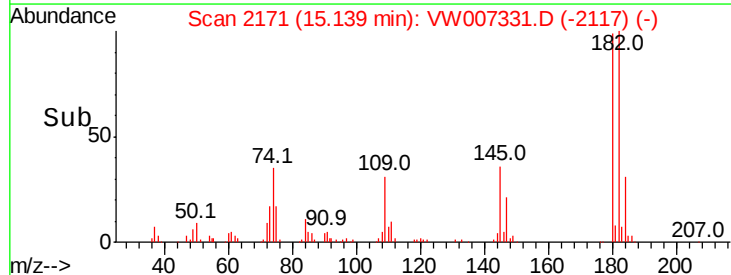


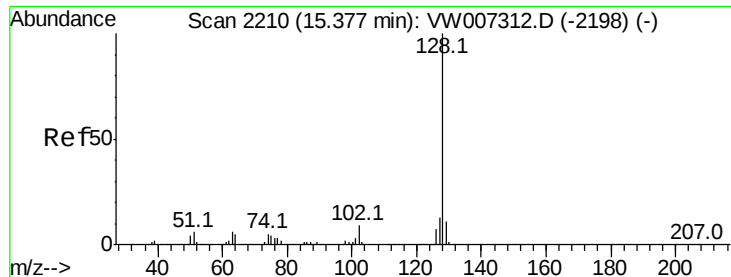
#68
 1,2,4-trichlorobenzene
 Concen: 26.418 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007331.D
 Acq: 08 Dec 2018 02:09

Tgt Ion:180 Resp: 60365
 Ion Ratio Lower Upper
 180 100
 182 94.8 77.4 116.2
 145 33.2 28.4 42.6



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

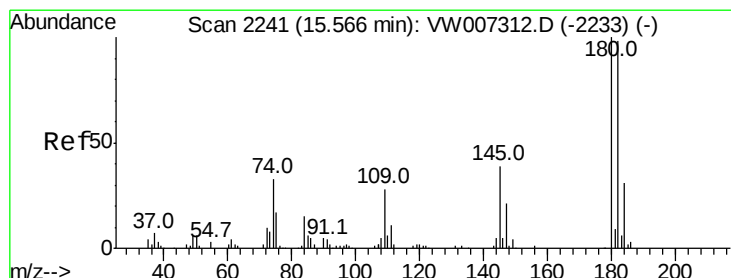
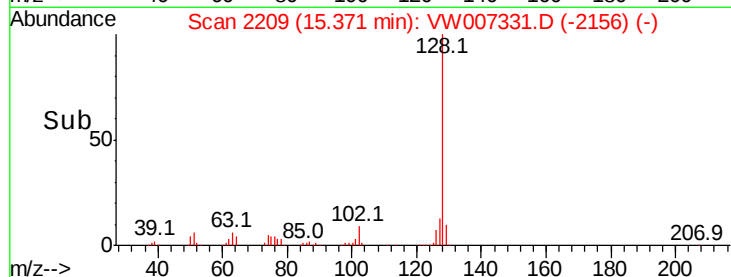
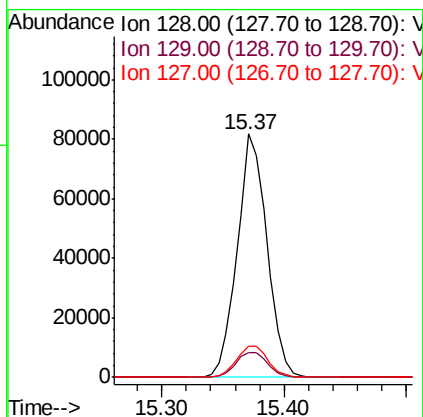
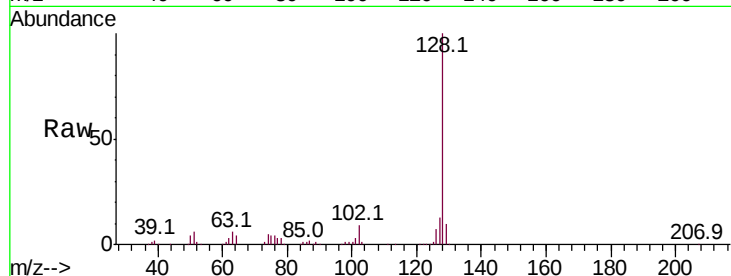




#69
Naphthalene
Concen: 24.337 ug/L
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW007331.D
Acq: 08 Dec 2018 02:09

Instrument :
MSVOA_W
ClientSampleId :
VSTD02599

Tot Ion:128 Resp: 137454
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.7 10.7 16.1



#70
1,2,3-Trichlorobenzene
Concen: 26.868 ug/L
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW007331.D
Acq: 08 Dec 2018 02:09

Tgt Ion:180 Resp: 55814
Ion Ratio Lower Upper
180 100
182 93.6 76.2 114.4
145 34.5 27.4 41.0

