

Data File : VW011369.D
Acq On : 19 Jul 2019 10:23
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

Quant Time: Jul 20 00:42:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis
QLast Update : Thu Jul 18 06:37:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	311232	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	276703	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	136507	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	122820	25.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.36%
7) Chloroethane-d5	2.88	69	86797	26.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.12%
10) 1,1-Dichloroethene-d2	4.01	63	266811	26.51	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	106.04%
20) 2-Butanone-d5	7.07	46	111809	59.73	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.46%
24) Chloroform-d	7.64	84	221565	25.97	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.88%
26) 1,2-Dichloroethane-d4	8.30	65	133595	25.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.72%
29) Benzene-d6	8.27	84	458175	26.88	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	107.52%
33) 1,2-Dichloropropane-d6	9.27	67	146709	26.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.72%
37) Toluene-d8	10.32	98	412362	27.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.60%
38) trans-1,3-Dichloropropene-	10.57	79	62048	26.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.16%
39) 2-Hexanone-d5	10.92	63	75280	59.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.28%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	127789	27.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	111.32%
61) 1,2-Dichlorobenzene-d4	13.85	152	133154	25.41	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.64%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	100177	26.170	ug/L	97
3) Chloromethane	2.21	50	96966	23.333	ug/L	99
5) Vinyl chloride	2.35	62	128216	23.638	ug/L	97
6) Bromomethane	2.77	94	60782	23.952	ug/L	100
8) Chloroethane	2.92	64	69453	25.333	ug/L	99
9) Trichlorofluoromethane	3.25	101	58357	31.423	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	110685	26.748	ug/L	98
12) 1,1-Dichloroethene	4.03	96	105992	25.915	ug/L	90
13) Acetone	4.12	43	108113	59.126	ug/L	100
14) Carbon disulfide	4.38	76	272868	23.322	ug/L	100
15) Methyl Acetate	4.66	43	89086	29.941	ug/L	99
16) Methylene chloride	4.92	84	114959	25.136	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	175489	27.667	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	104634	25.317	ug/L	99
19) 1,1-Dichloroethane	6.21	63	224524	26.760	ug/L	98
21) 2-Butanone	7.17	43	142063	60.184	ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	117706	26.310	ug/L	97

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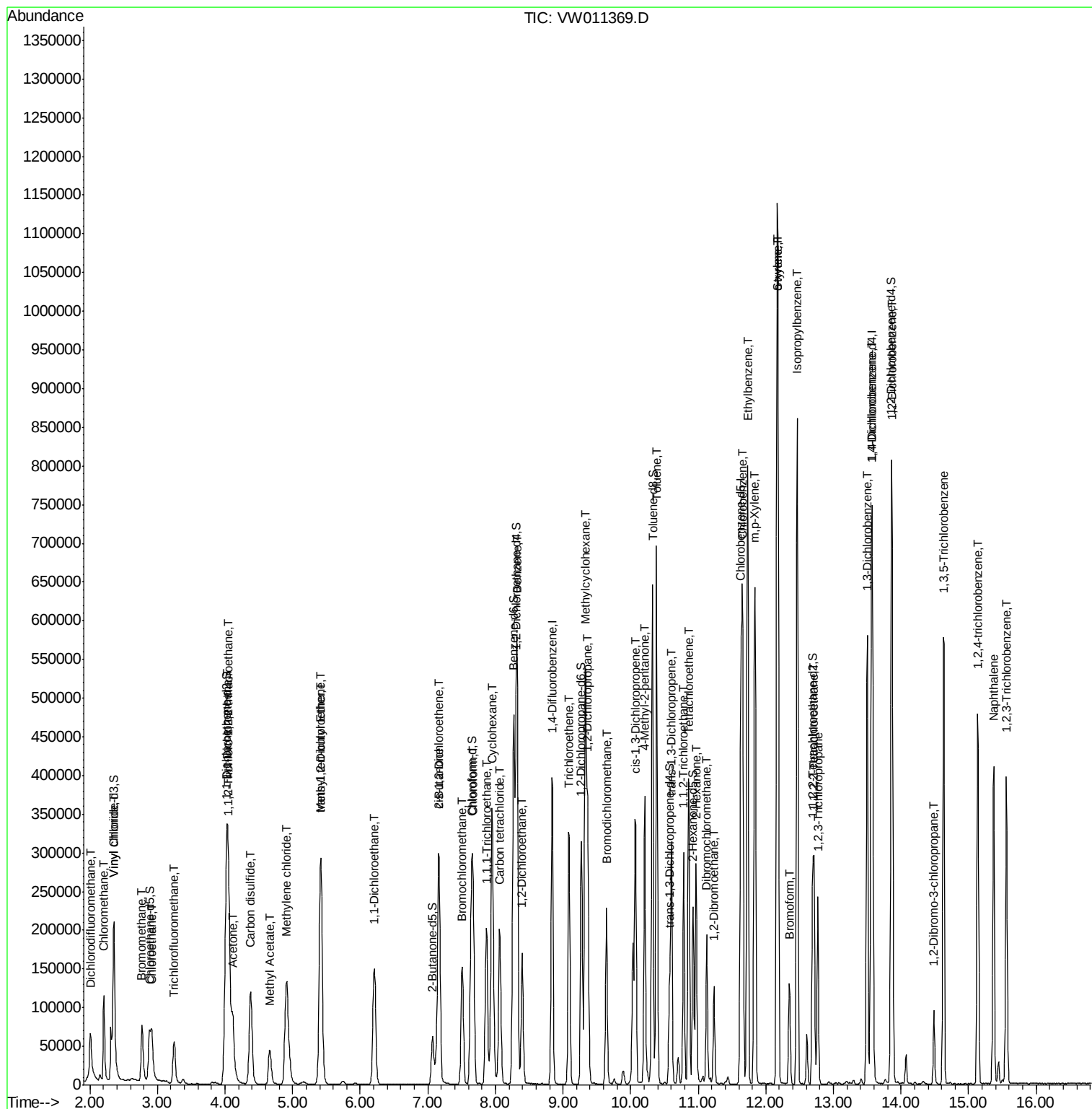
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	49332	26.280	ug/L	98
25) Chloroform	7.67	83	207402	26.096	ug/L	100
27) 1,2-Dichloroethane	8.40	62	155719	25.632	ug/L	100
30) Cyclohexane	7.95	56	216085	25.685	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	158782	27.648	ug/L	99
32) Carbon tetrachloride	8.06	117	149288	27.718	ug/L	99
34) Benzene	8.32	78	464296	26.848	ug/L	100
35) Trichloroethene	9.09	95	115534	26.474	ug/L	100
36) Methylcyclohexane	9.33	83	206351	26.275	ug/L	98
40) 1,2-Dichloropropane	9.37	63	128237	27.061	ug/L	100
41) Bromodichloromethane	9.64	83	148702	27.218	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	190625	27.263	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	261156	59.450	ug/L	99
44) Toluene	10.38	91	484334	27.058	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	158606	27.415	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	90184	27.482	ug/L	97
47) Tetrachloroethene	10.86	164	86669	26.278	ug/L	96
49) 2-Hexanone	10.96	43	196354	61.408	ug/L	98
50) Dibromochloromethane	11.13	129	97581	27.924	ug/L	100
51) 1,2-Dibromoethane	11.23	107	85665	27.035	ug/L	97
52) Chlorobenzene	11.66	112	291916	26.694	ug/L	99
53) Ethylbenzene	11.73	91	546869	26.935	ug/L	97
54) m,p-Xylene	11.83	106	197008	26.725	ug/L	96
55) o-xylene	12.16	106	189345	27.001	ug/L	97
56) Styrene	12.18	104	327764	27.246	ug/L	99
57) Isopropylbenzene	12.46	105	523715	27.359	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	126028	28.868	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	97594	29.110	ug/L	99
62) Bromoform	12.35	173	58616	28.812	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	224174	26.692	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	226071	26.295	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	208724	26.700	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	23104	30.102	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	174930	27.491	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	143876	26.989	ug/L	99
69) Naphthalene	15.37	128	331433	29.686	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	133433	27.357	ug/L	99

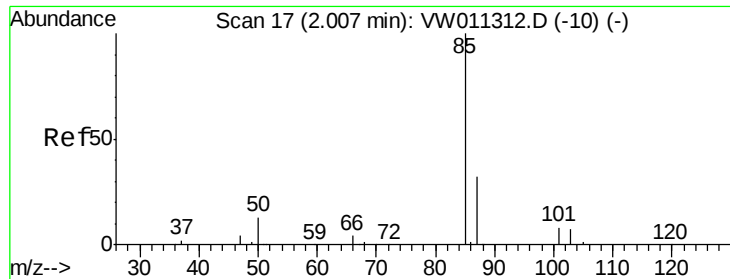
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 26.170 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW011369.D

Acq: 19 Jul 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

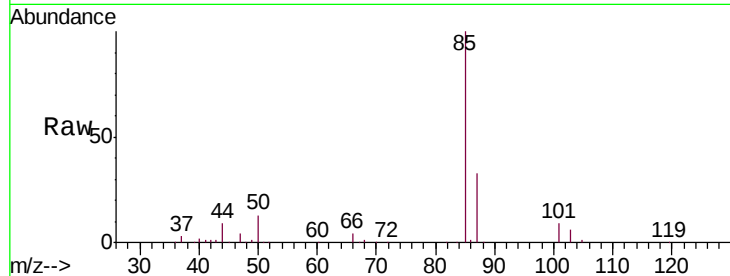
VSTD02513

Tgt Ion: 85 Resp: 100177

Ion Ratio Lower Upper

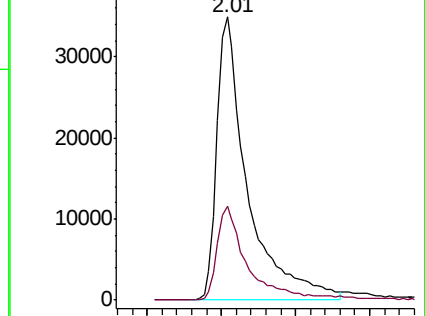
85 100

87 30.9 20.6 38.4

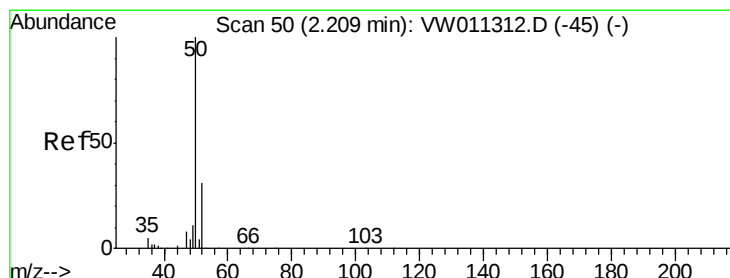
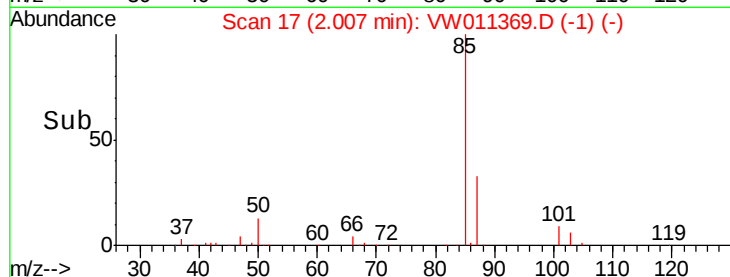


Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



Time-->



#3

Chloromethane

Concen: 23.333 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW011369.D

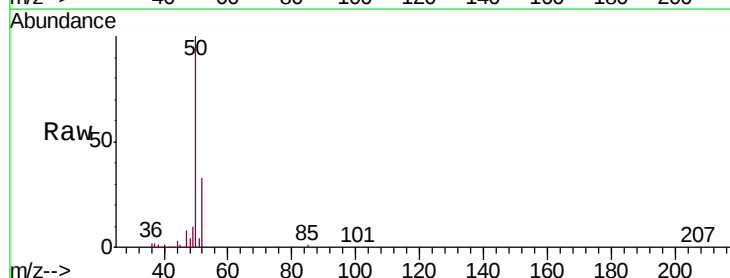
Acq: 19 Jul 2019 10:23

Tgt Ion: 50 Resp: 96966

Ion Ratio Lower Upper

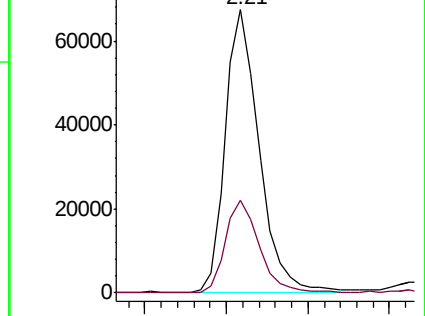
50 100

52 32.5 22.3 41.5

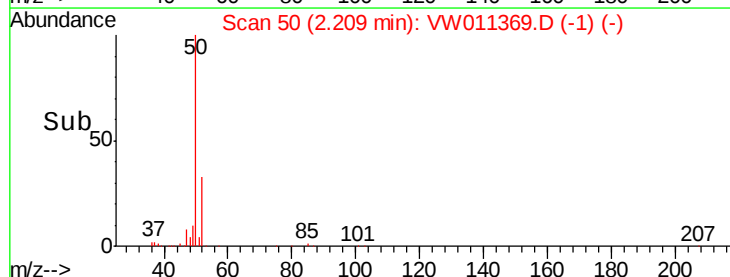


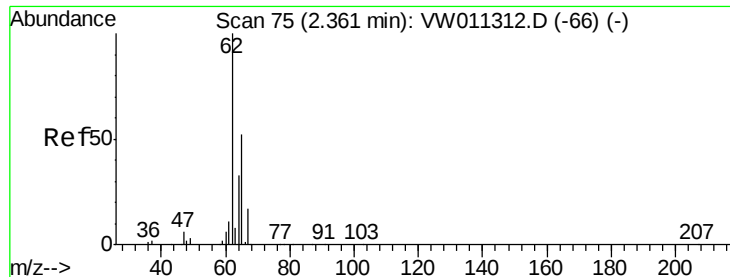
Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW



Time-->





#5

Vinyl chloride

Concen: 23.638 ug/L

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011369.D

Acq: 19 Jul 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

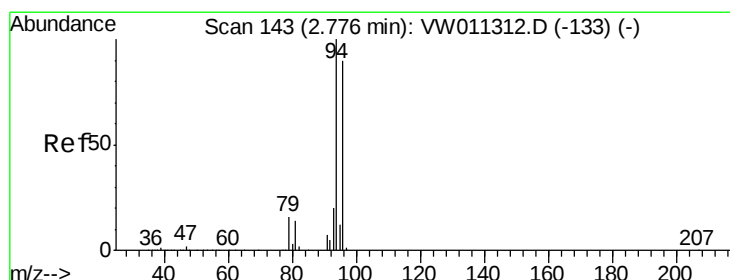
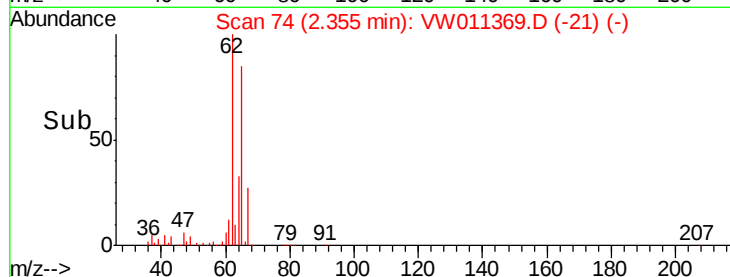
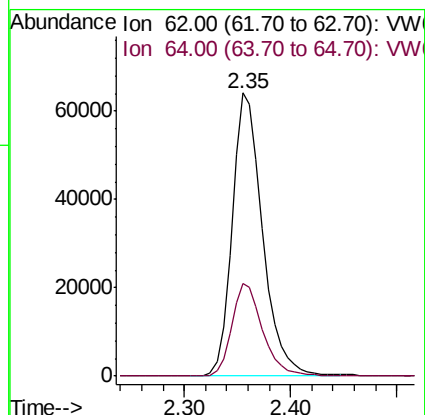
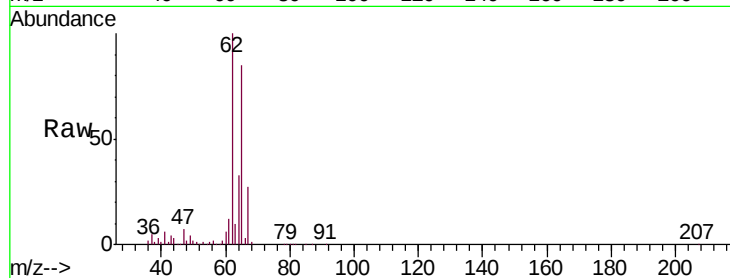
VSTD02513

Tgt Ion: 62 Resp: 128216

Ion Ratio Lower Upper

62 100

64 32.6 23.9 44.3



#6

Bromomethane

Concen: 23.952 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW011369.D

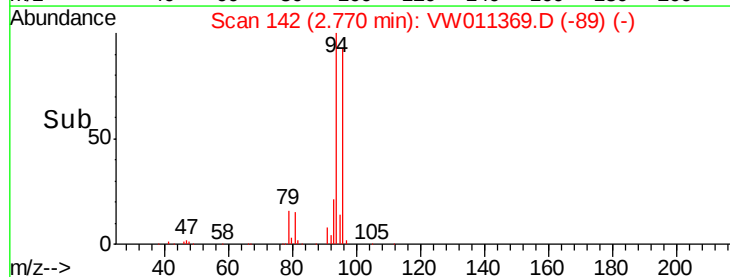
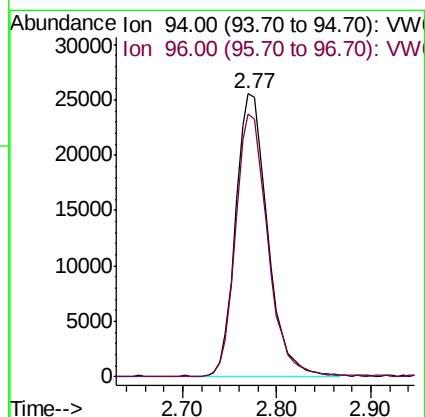
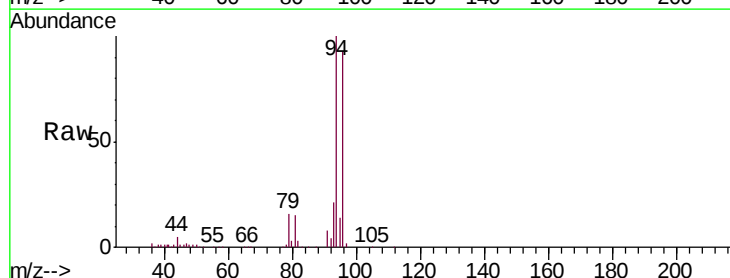
Acq: 19 Jul 2019 10:23

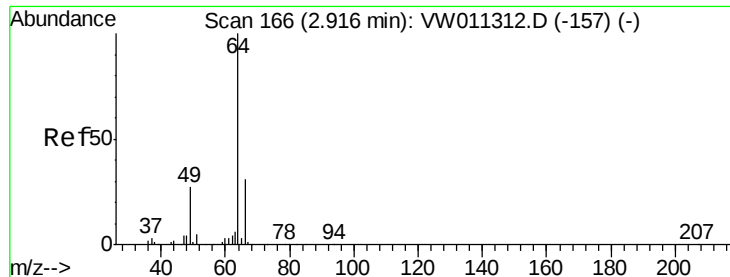
Tgt Ion: 94 Resp: 60782

Ion Ratio Lower Upper

94 100

96 93.4 9.3 177.3





#8

Chloroethane

Concen: 25.333 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW011369.D

Acq: 19 Jul 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

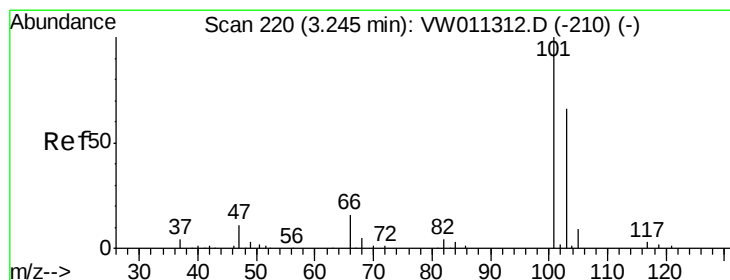
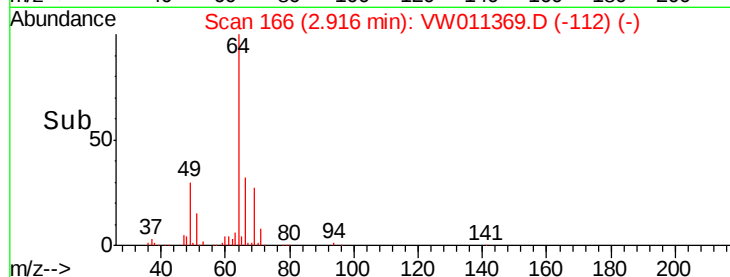
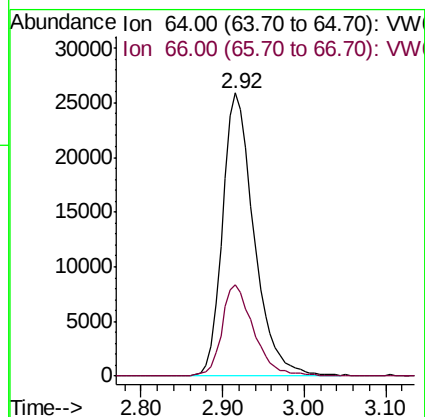
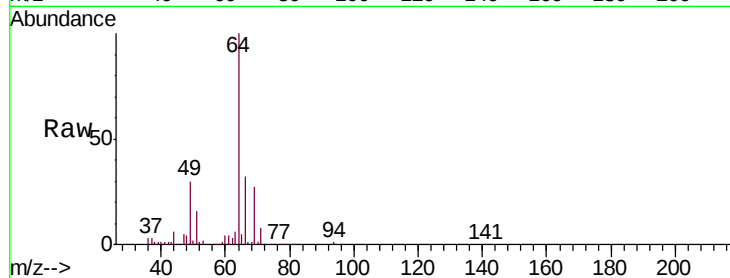
VSTD02513

Tgt Ion: 64 Resp: 69453

Ion Ratio Lower Upper

64 100

66 32.1 21.9 40.7



#9

Trichlorofluoromethane

Concen: 31.423 ug/L

RT: 3.25 min Scan# 220

Delta R.T. -0.00 min

Lab File: VW011369.D

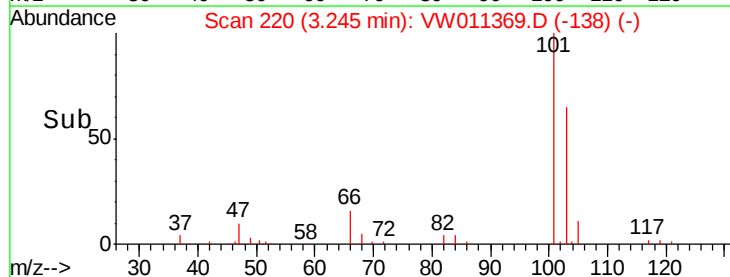
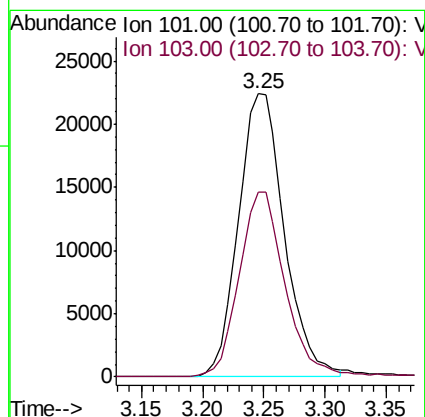
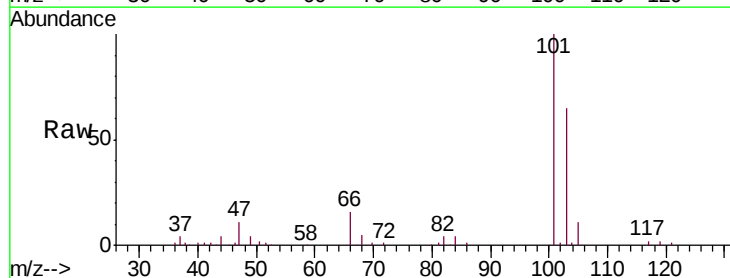
Acq: 19 Jul 2019 10:23

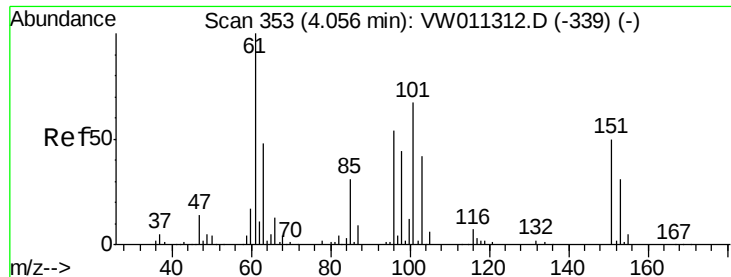
Tgt Ion: 101 Resp: 58357

Ion Ratio Lower Upper

101 100

103 65.2 44.6 82.8





#11

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

Concen: 26.748 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

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ClientSampleId :

VSTD02513

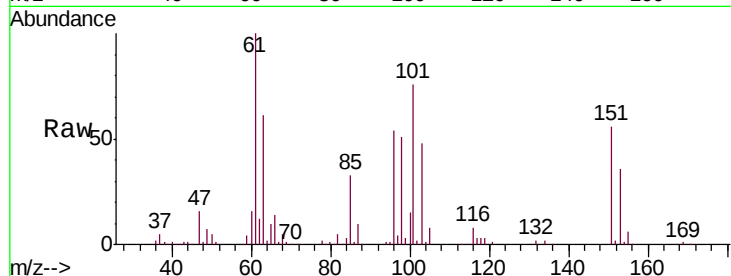
Tgt Ion: 101 Resp: 110685

Ion Ratio Lower Upper

101 100

85 44.4 33.8 50.8

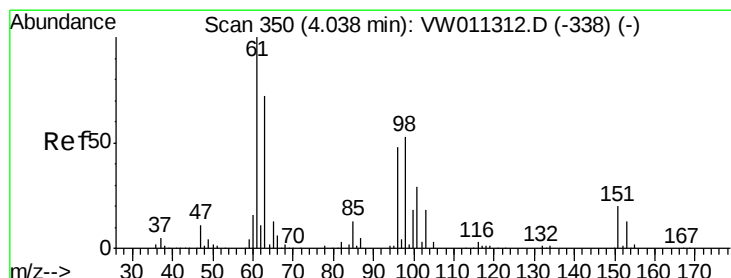
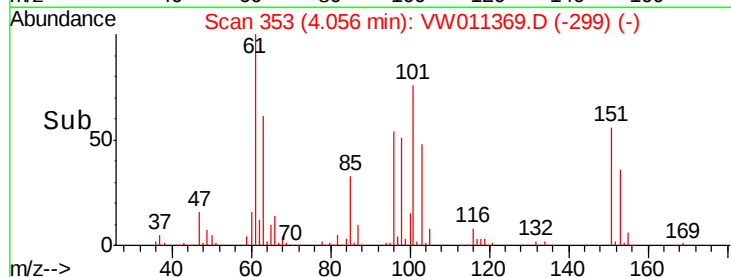
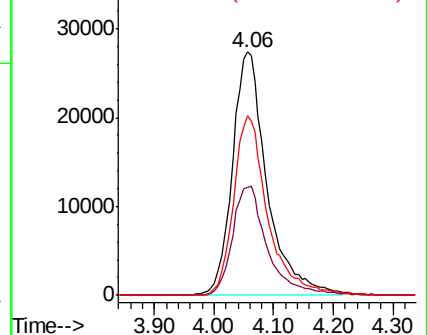
151 71.6 56.9 85.3



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: 25.915 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW011369.D

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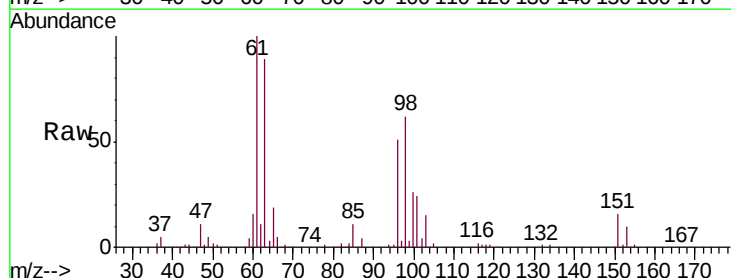
Tgt Ion: 96 Resp: 105992

Ion Ratio Lower Upper

96 100

61 195.7 142.2 264.0

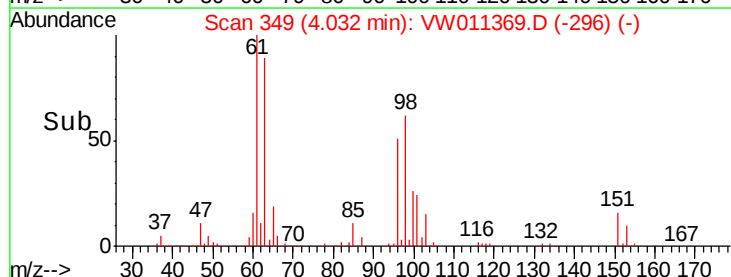
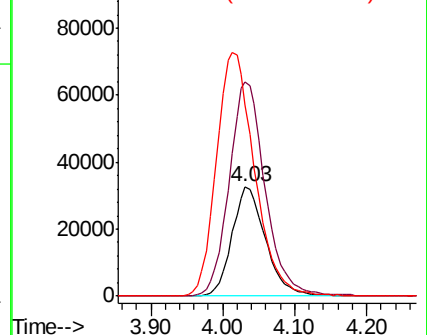
63 174.7 138.9 257.9

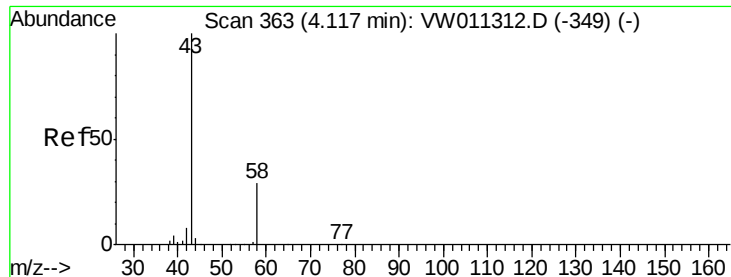


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 59.126 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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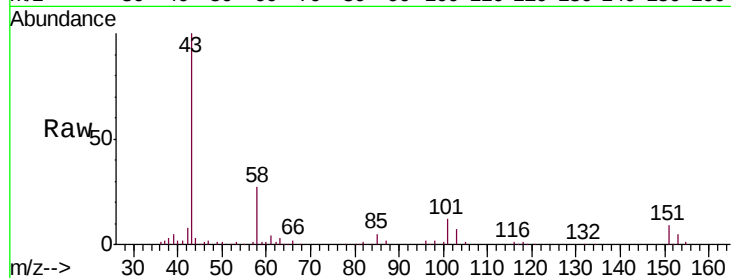
VSTD02513

Tgt Ion: 43 Resp: 108113

Ion Ratio Lower Upper

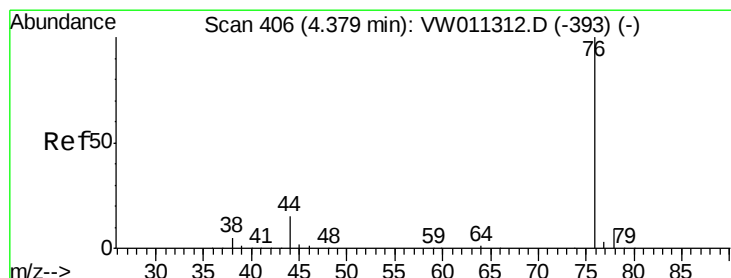
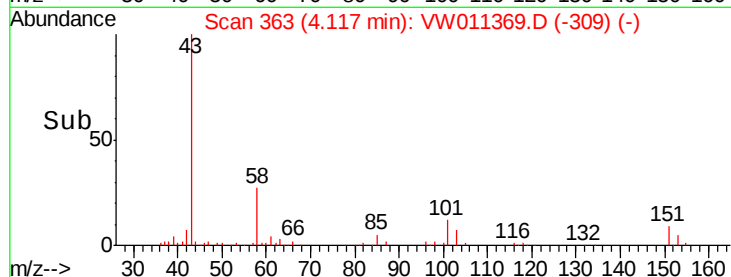
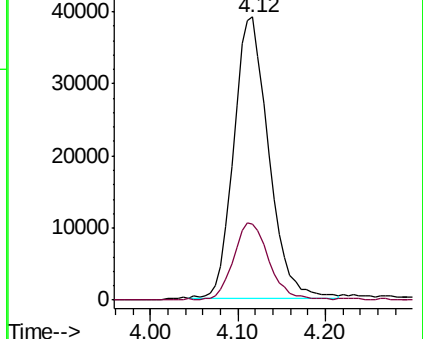
43 100

58 27.6 0.0 55.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 23.322 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW011369.D

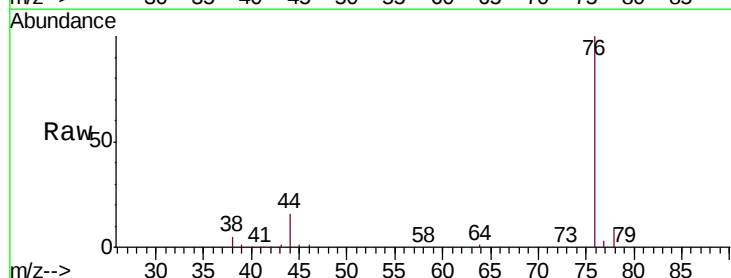
Acq: 19 Jul 2019 10:23

Tgt Ion: 76 Resp: 272868

Ion Ratio Lower Upper

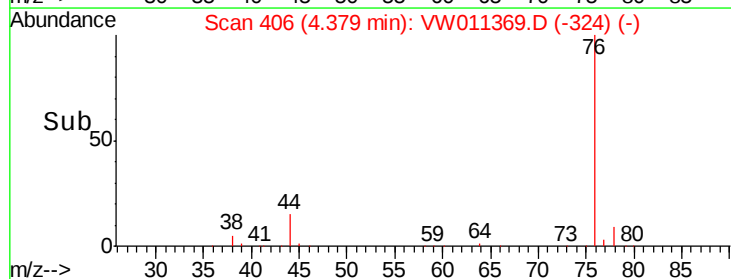
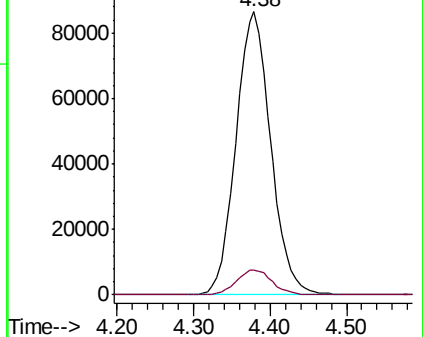
76 100

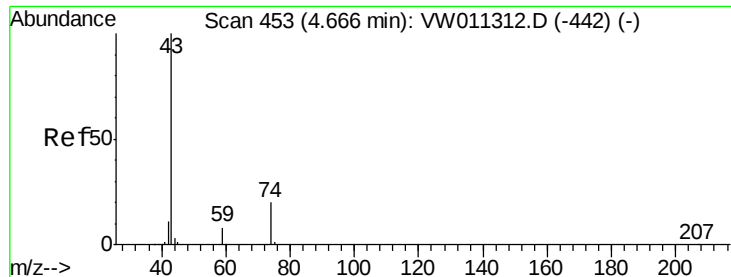
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 29.941 ug/L

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011369.D

Acq: 19 Jul 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

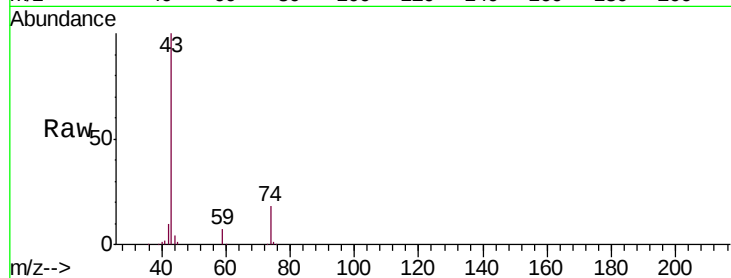
VSTD02513

Tgt Ion: 43 Resp: 89086

Ion Ratio Lower Upper

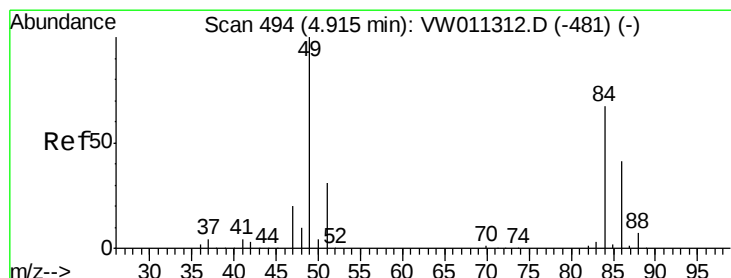
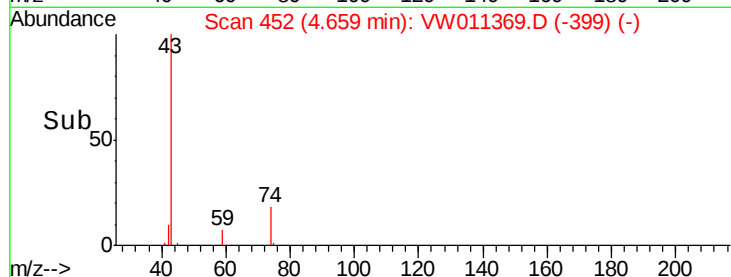
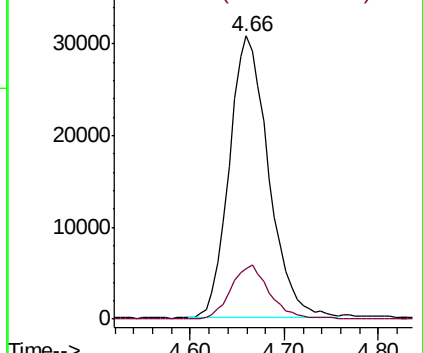
43 100

74 18.5 15.1 22.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 25.136 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW011369.D

Acq: 19 Jul 2019 10:23

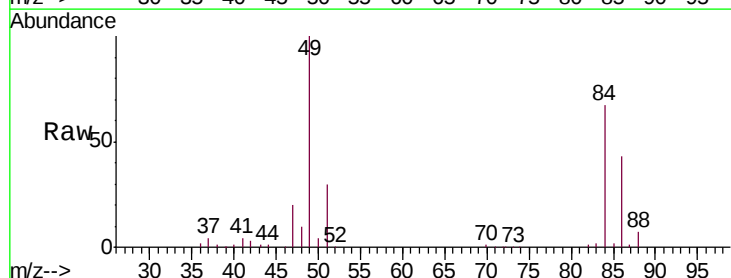
Tgt Ion: 84 Resp: 114959

Ion Ratio Lower Upper

84 100

49 150.1 102.5 190.3

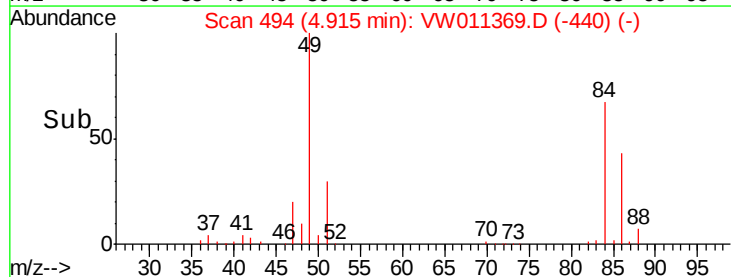
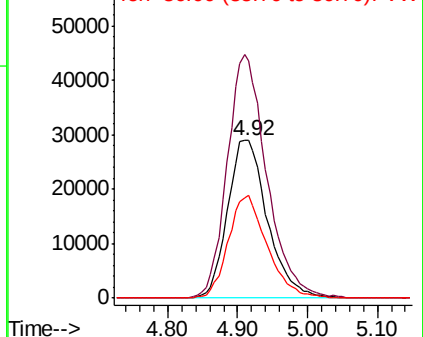
86 65.1 46.4 86.2

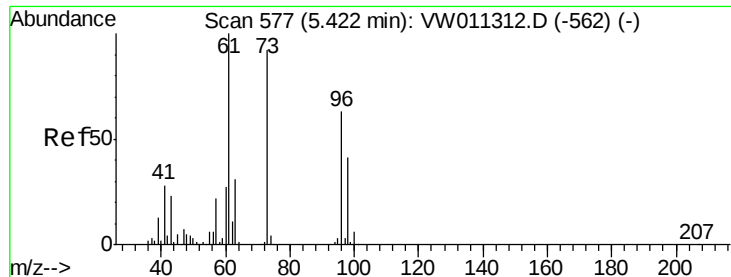


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#17

Methyl tert-butyl Ether

Concen: 27.667 ug/L

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW011369.D

Acq: 19 Jul 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD02513

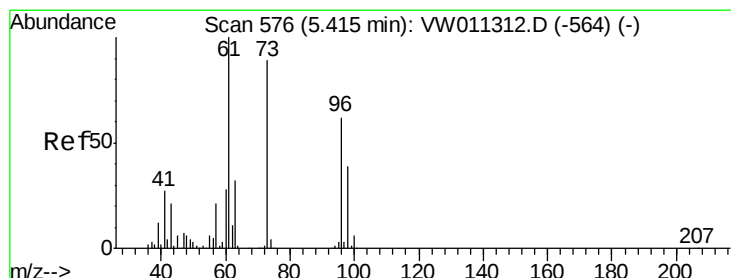
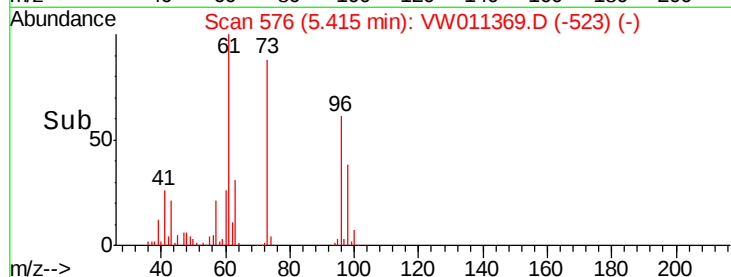
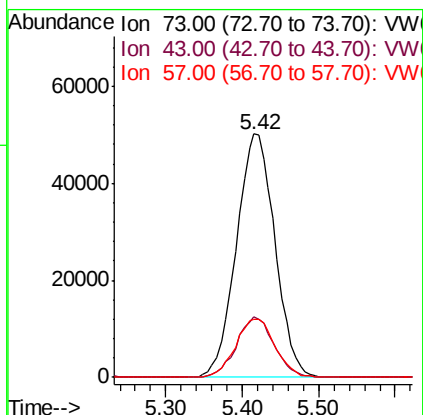
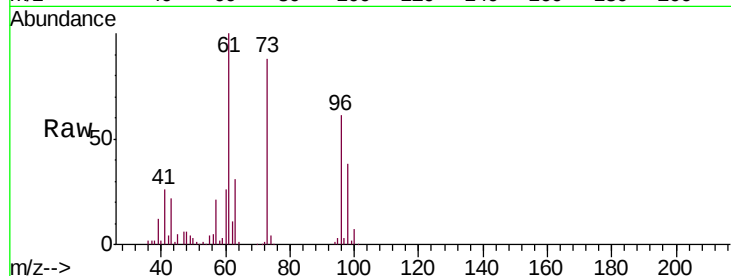
Tgt Ion: 73 Resp: 175489

Ion Ratio Lower Upper

73 100

43 23.9 20.2 30.2

57 24.5 19.6 29.4



#18

trans-1,2-Dichloroethene

Concen: 25.317 ug/L

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW011369.D

Acq: 19 Jul 2019 10:23

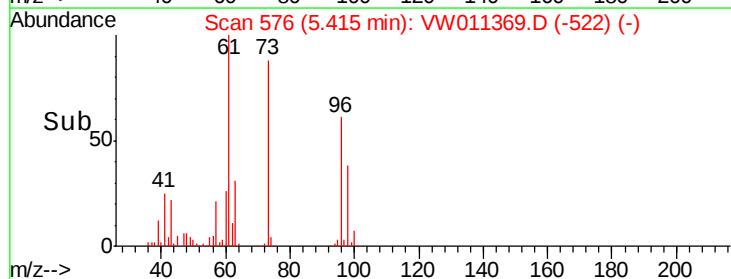
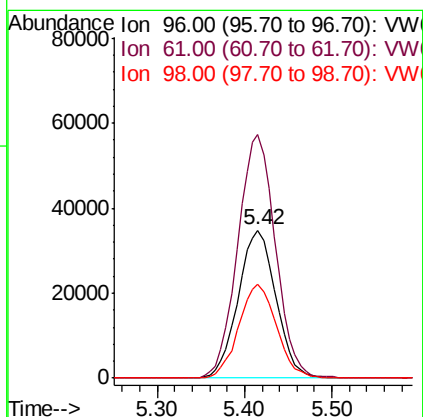
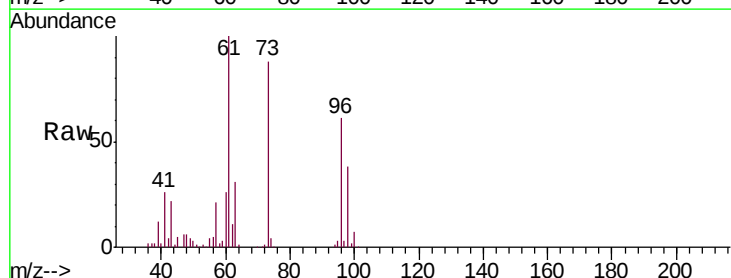
Tgt Ion: 96 Resp: 104634

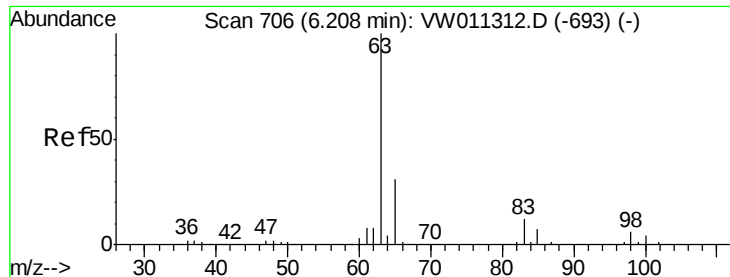
Ion Ratio Lower Upper

96 100

61 164.3 113.7 211.1

98 62.9 43.3 80.3

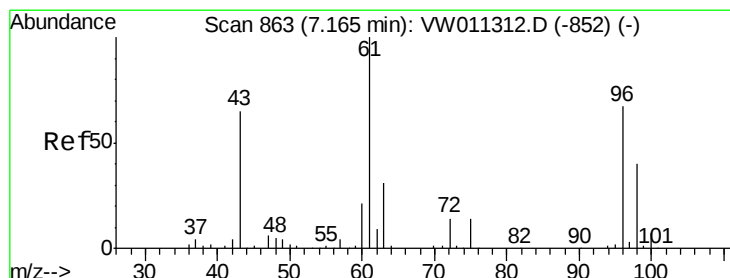
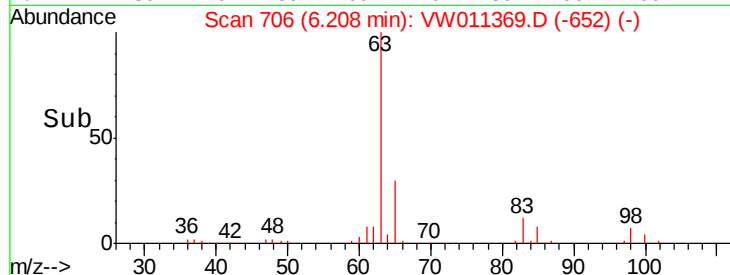
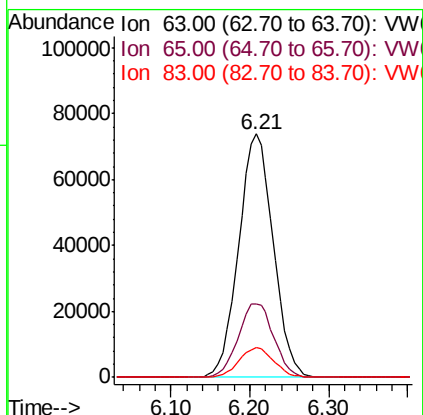
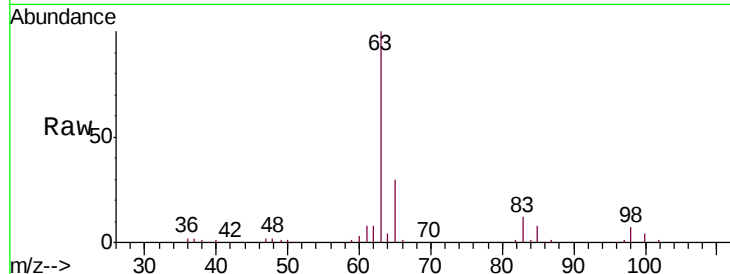




#19
 1,1-Dichloroethane
 Concen: 26.760 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW011369.D
 Acq: 19 Jul 2019 10:23

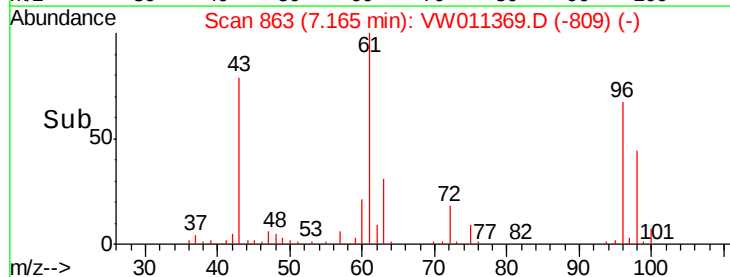
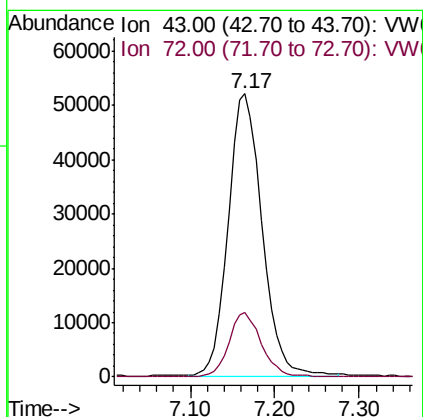
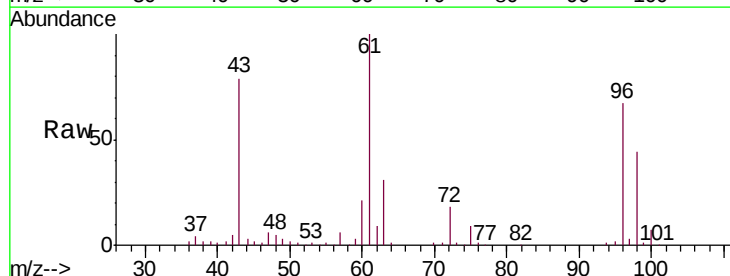
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

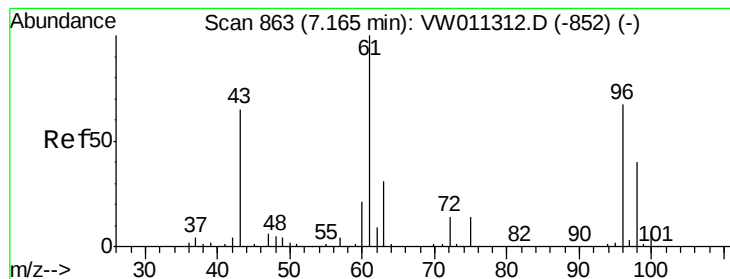
Tgt Ion: 63 Resp: 224524
 Ion Ratio Lower Upper
 63 100
 65 30.4 22.1 41.1
 83 12.3 9.0 16.6



#21
 2-Butanone
 Concen: 60.184 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW011369.D
 Acq: 19 Jul 2019 10:23

Tgt Ion: 43 Resp: 142063
 Ion Ratio Lower Upper
 43 100
 72 21.7 11.2 33.6



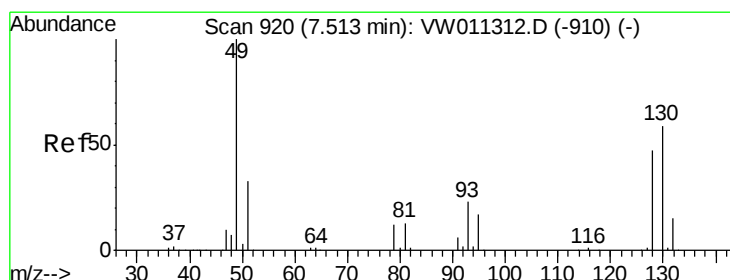
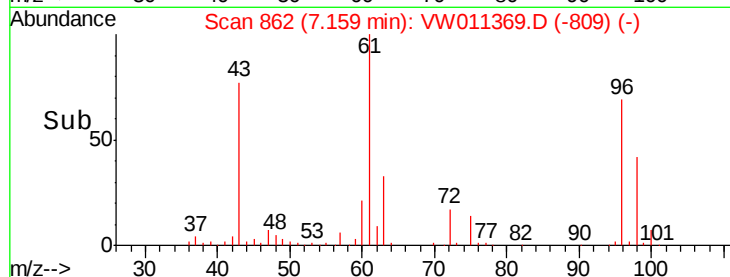
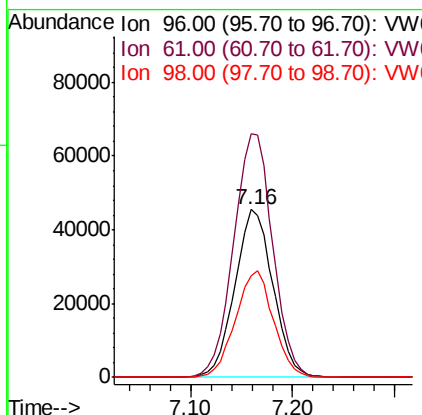
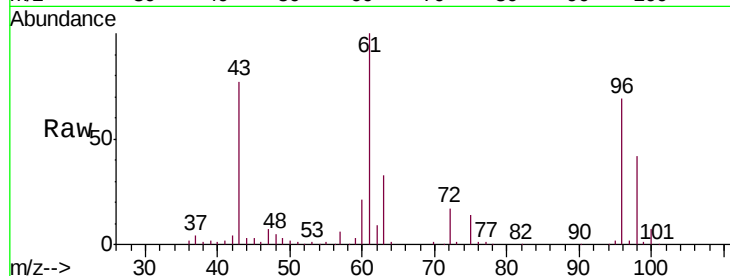


#22

cis-1,2-Dichloroethene
 Concen: 26.310 ug/L
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW011369.D
 Acq: 19 Jul 2019 10:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

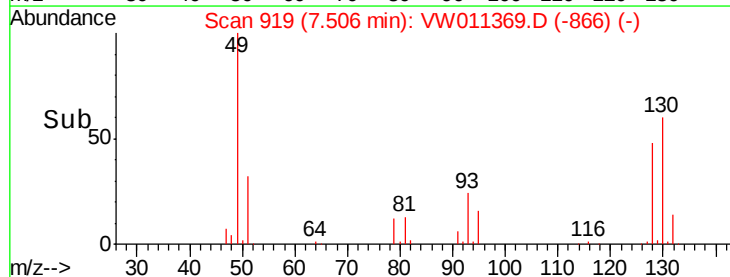
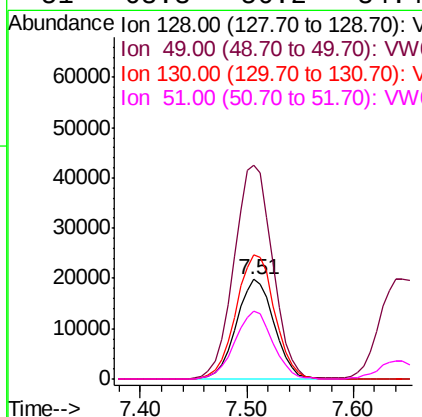
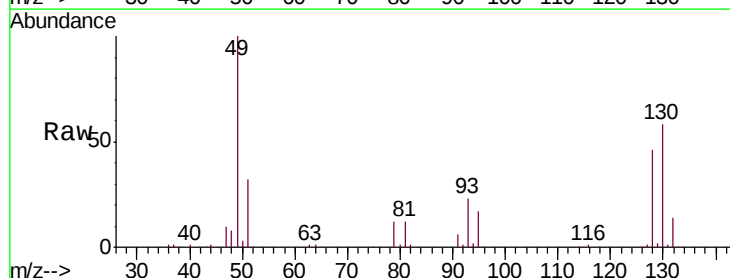
Tgt Ion: 96 Resp: 117706
 Ion Ratio Lower Upper
 96 100
 61 145.1 103.2 191.6
 98 60.6 44.8 83.2

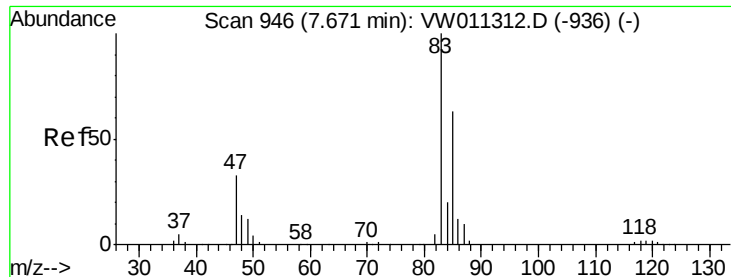


#23

Bromochloromethane
 Concen: 26.280 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW011369.D
 Acq: 19 Jul 2019 10:23

Tgt Ion: 128 Resp: 49332
 Ion Ratio Lower Upper
 128 100
 49 215.1 153.8 285.6
 130 125.0 86.4 160.4
 51 68.3 56.2 84.4

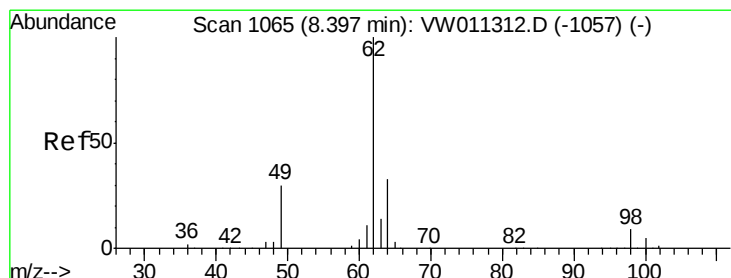
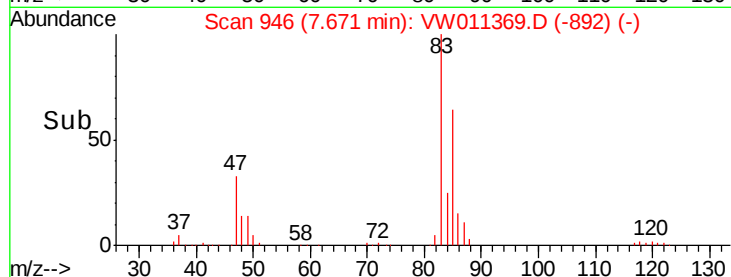
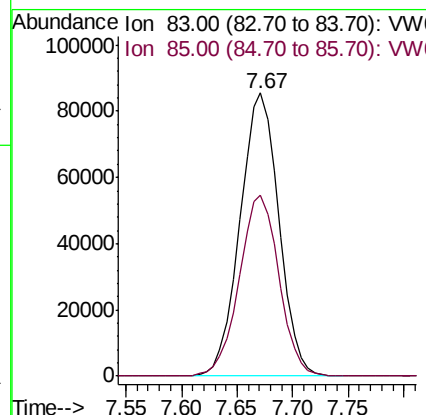
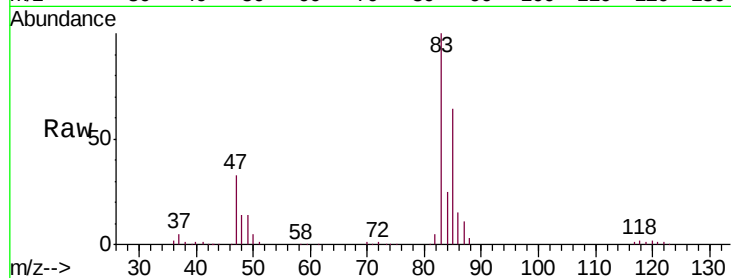




#25
Chloroform
Concen: 26.096 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW011369.D
Acq: 19 Jul 2019 10:23

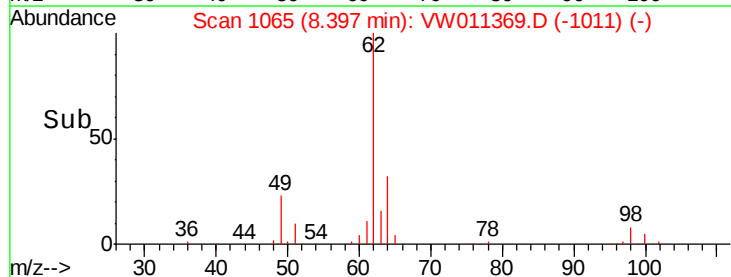
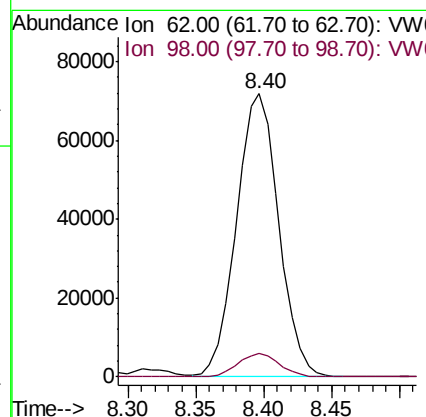
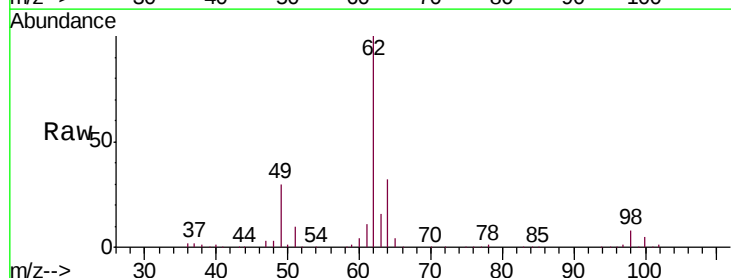
Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

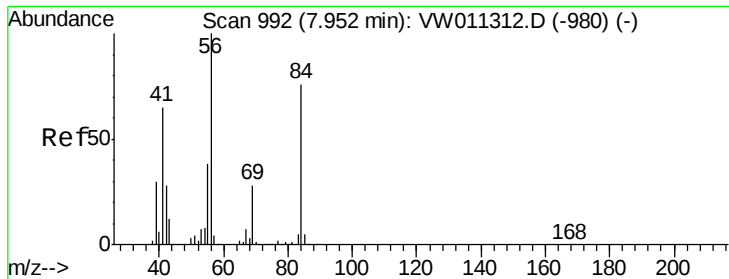
Tgt Ion: 83 Resp: 207402
Ion Ratio Lower Upper
83 100
85 65.0 45.6 84.6



#27
1,2-Dichloroethane
Concen: 25.632 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011369.D
Acq: 19 Jul 2019 10:23

Tgt Ion: 62 Resp: 155719
Ion Ratio Lower Upper
62 100
98 8.3 6.6 10.0

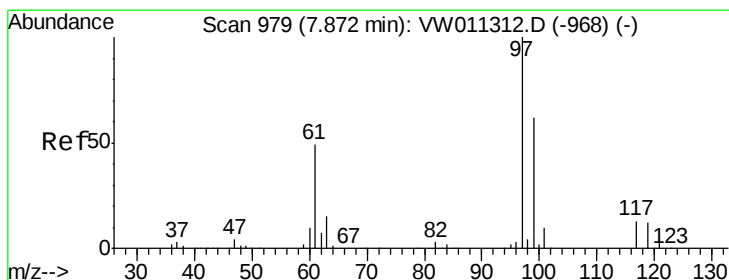
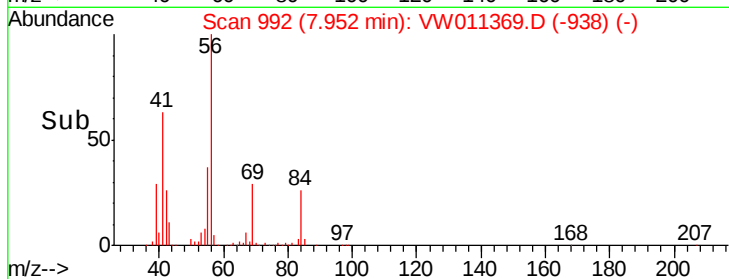
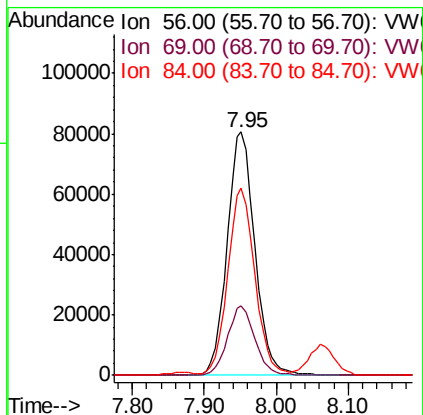
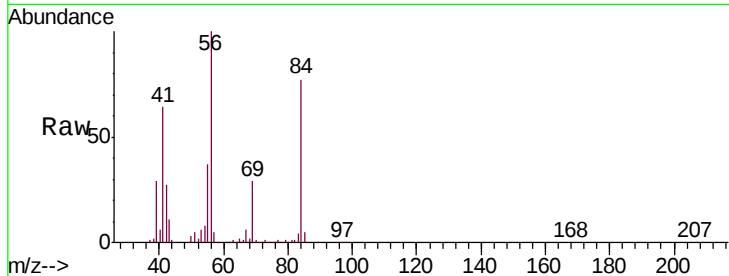




#30
Cyclohexane
Concen: 25.685 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011369.D
Acq: 19 Jul 2019 10:23

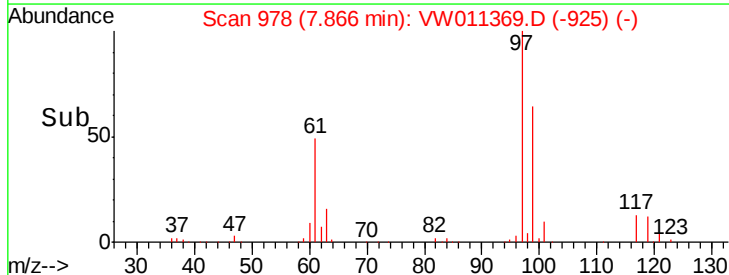
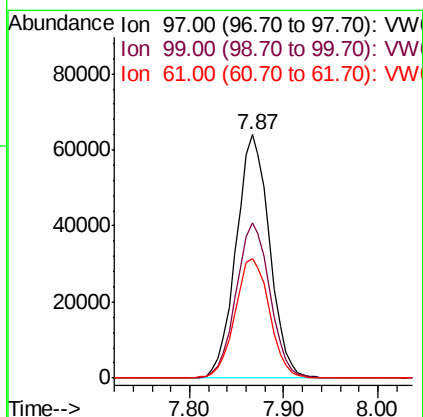
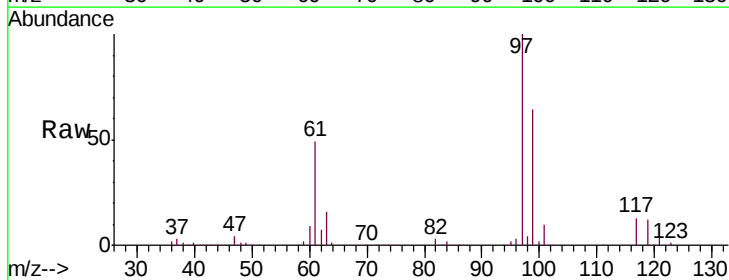
Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

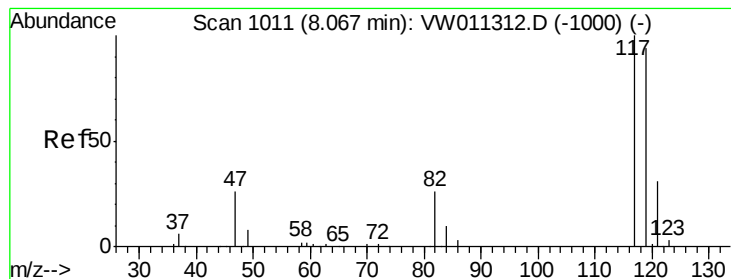
Tgt Ion: 56 Resp: 216085
Ion Ratio Lower Upper
56 100
69 28.1 22.5 33.7
84 75.1 60.9 91.3



#31
1,1,1-Trichloroethane
Concen: 27.648 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011369.D
Acq: 19 Jul 2019 10:23

Tgt Ion: 97 Resp: 158782
Ion Ratio Lower Upper
97 100
99 64.8 50.6 75.8
61 50.7 40.9 61.3





#32

Carbon tetrachloride

Concen: 27.718 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW011369.D

Acq: 19 Jul 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

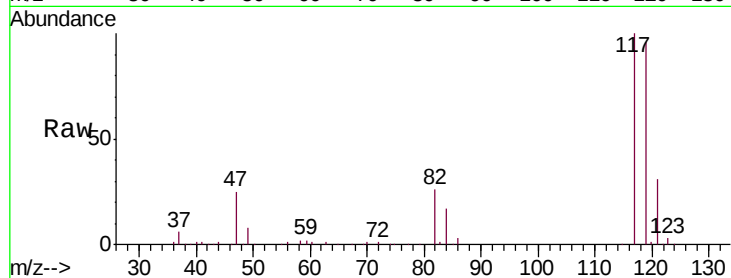
VSTD02513

Tgt Ion:117 Resp: 149288

Ion Ratio Lower Upper

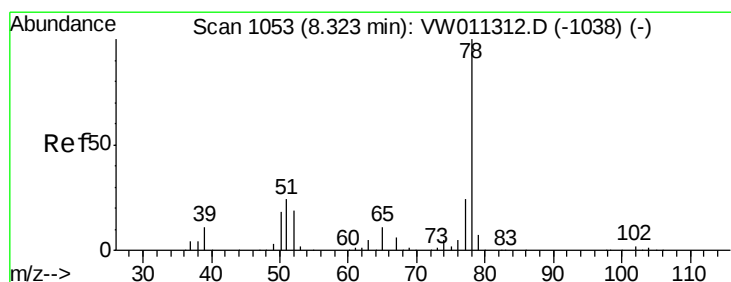
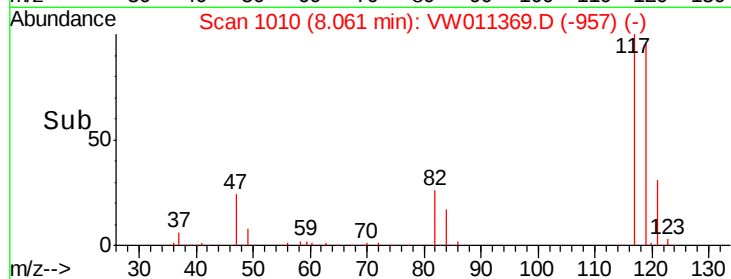
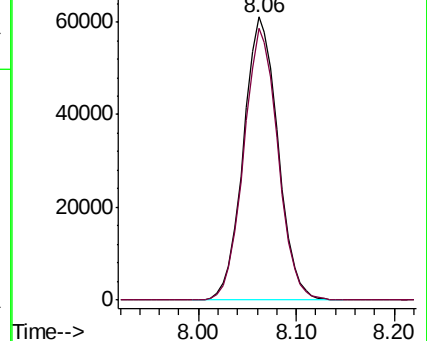
117 100

119 95.3 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.848 ug/L

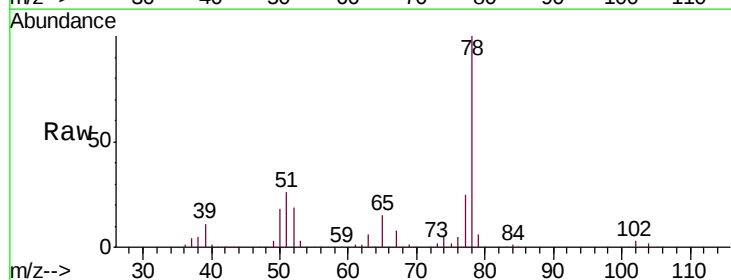
RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

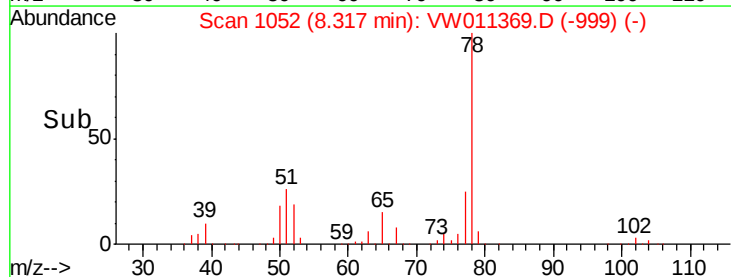
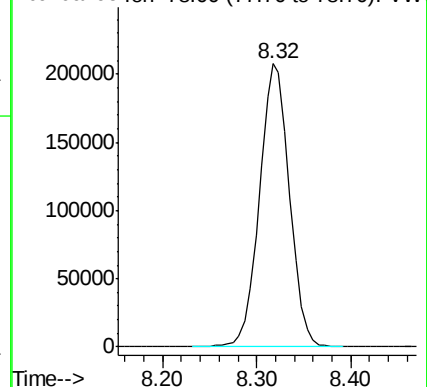
Lab File: VW011369.D

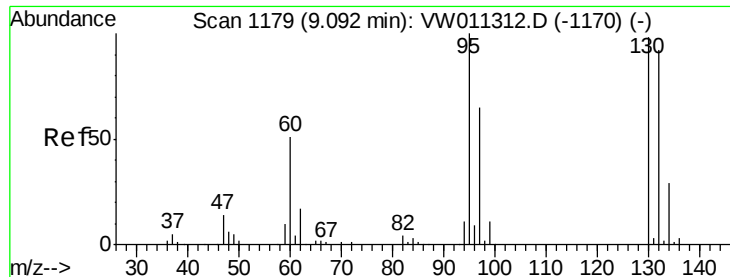
Acq: 19 Jul 2019 10:23

Tgt Ion: 78 Resp: 464296



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 26.474 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW011369.D

Acq: 19 Jul 2019 10:23

Instrument :

MSVOA_W

ClientSampled :

VSTD02513

Tgt Ion: 95 Resp: 115534

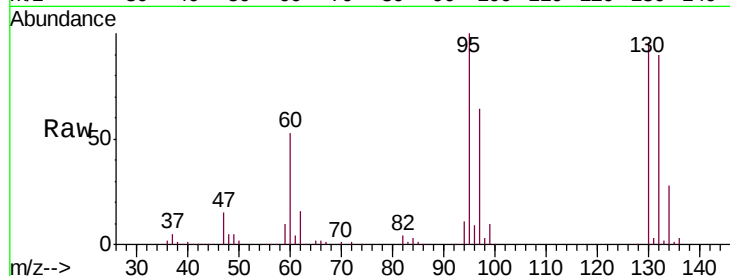
Ion Ratio Lower Upper

95 100

97 64.8 45.4 84.2

132 92.4 65.0 120.8

130 97.0 67.8 126.0

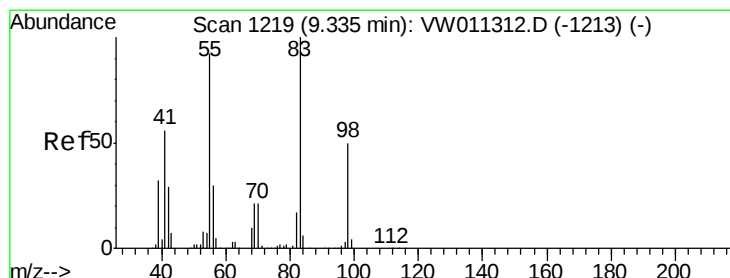
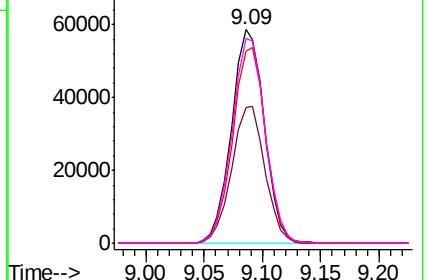
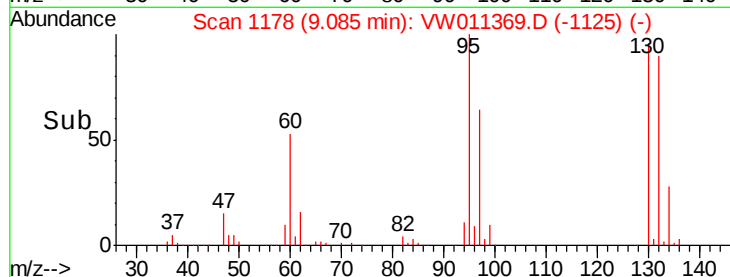


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 26.275 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW011369.D

Acq: 19 Jul 2019 10:23

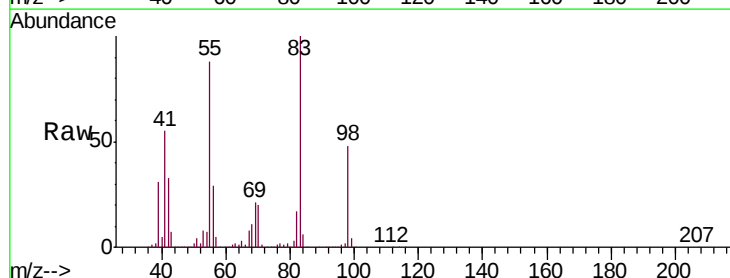
Tgt Ion: 83 Resp: 206351

Ion Ratio Lower Upper

83 100

55 88.2 72.2 108.4

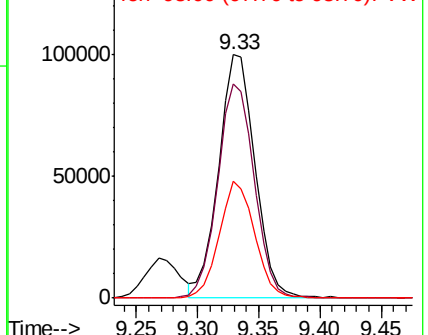
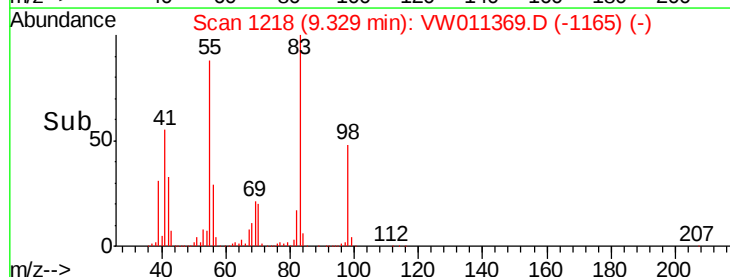
98 46.7 38.2 57.4

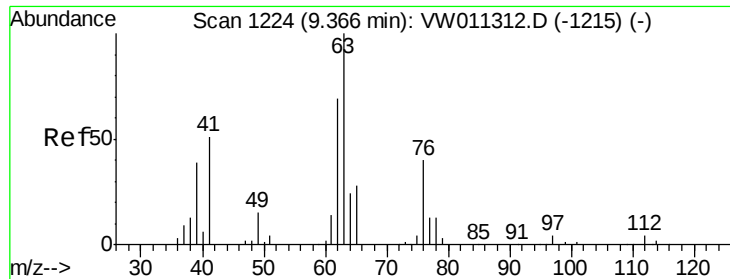


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

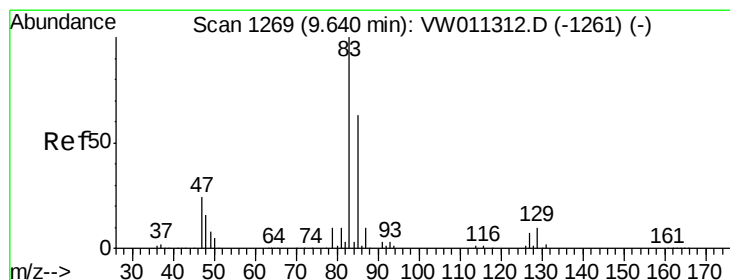
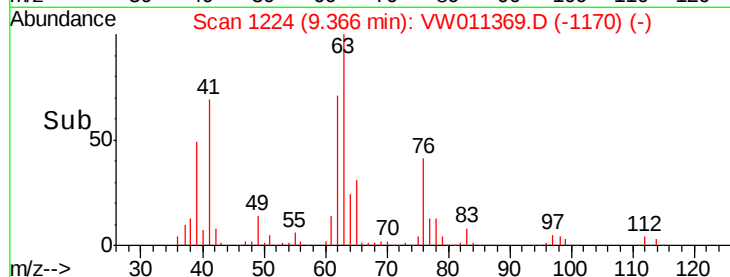
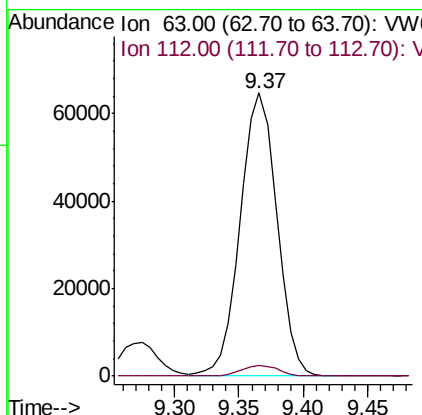
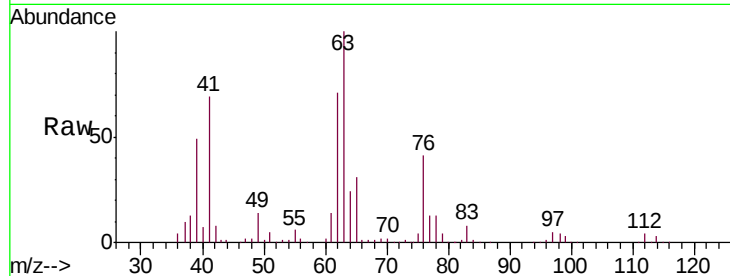




#40
 1,2-Dichloropropane
 Concen: 27.061 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011369.D
 Acq: 19 Jul 2019 10:23

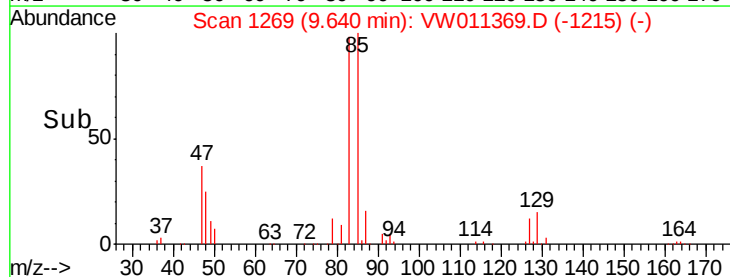
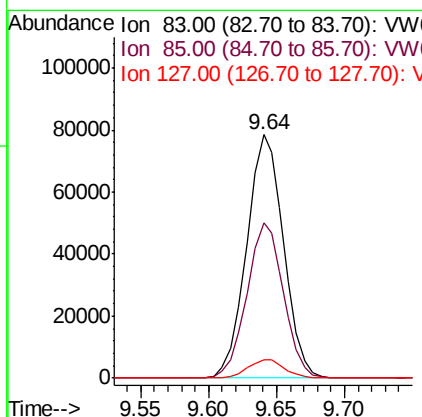
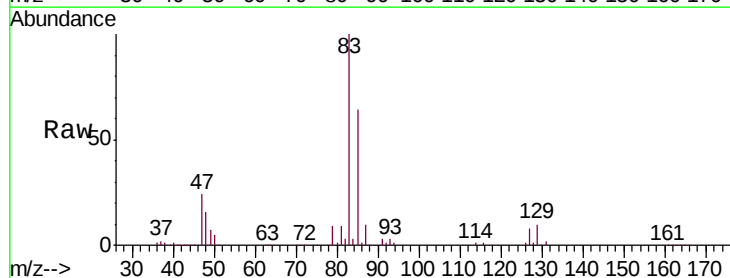
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

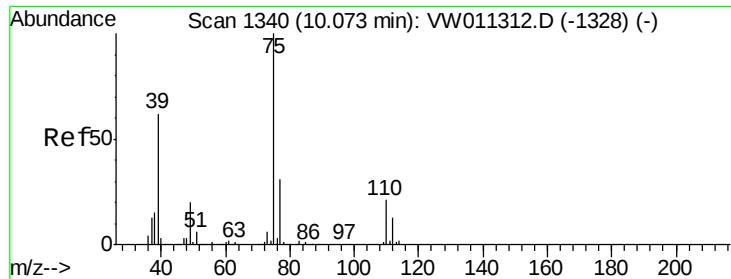
Tgt Ion: 63 Resp: 128237
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.0 4.6



#41
 Bromodichloromethane
 Concen: 27.218 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW011369.D
 Acq: 19 Jul 2019 10:23

Tgt Ion: 83 Resp: 148702
 Ion Ratio Lower Upper
 83 100
 85 63.9 45.5 84.5
 127 7.7 5.8 8.8

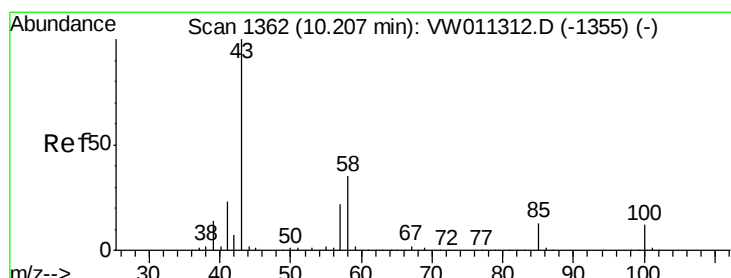
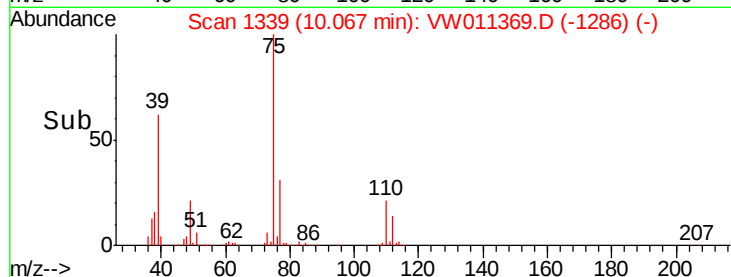
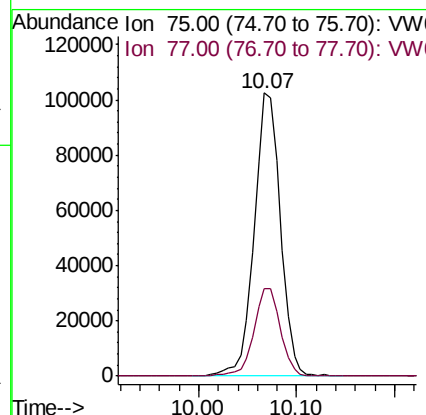
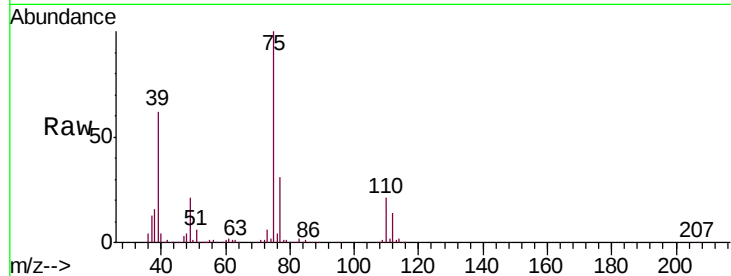




#42
 cis-1,3-Dichloropropene
 Concen: 27.263 ug/L
 RT: 10.07 min Scan# 1339
 Delta R.T. -0.01 min
 Lab File: VW011369.D
 Acq: 19 Jul 2019 10:23

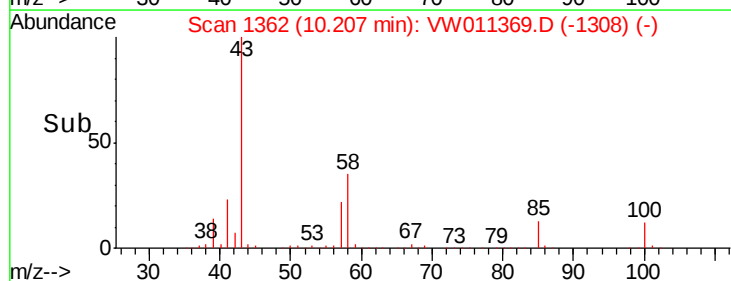
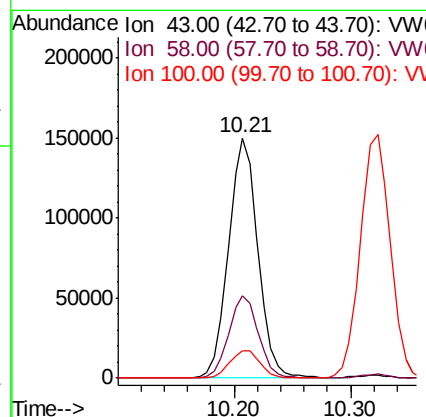
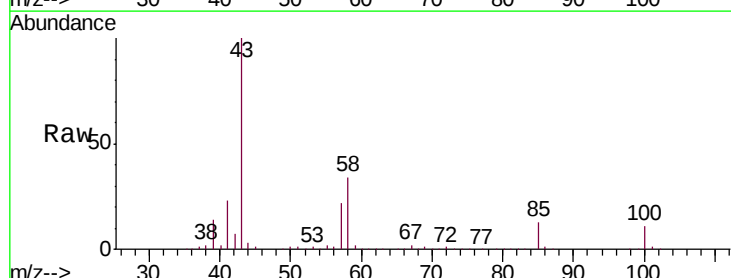
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

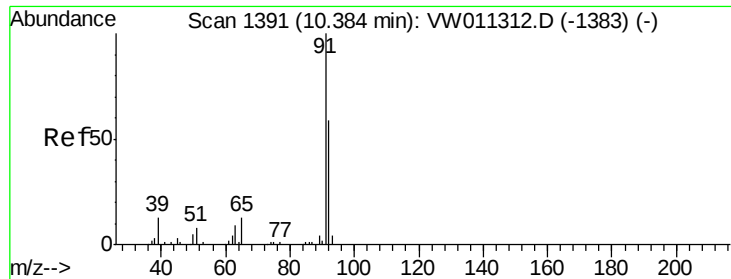
Tgt Ion: 75 Resp: 190625
 Ion Ratio Lower Upper
 75 100
 77 31.0 21.1 39.1



#43
 4-Methyl-2-pentanone
 Concen: 59.450 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW011369.D
 Acq: 19 Jul 2019 10:23

Tgt Ion: 43 Resp: 261156
 Ion Ratio Lower Upper
 43 100
 58 34.8 28.1 42.1
 100 11.9 9.3 13.9





#44

Toluene

Concen: 27.058 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW011369.D

Acq: 19 Jul 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

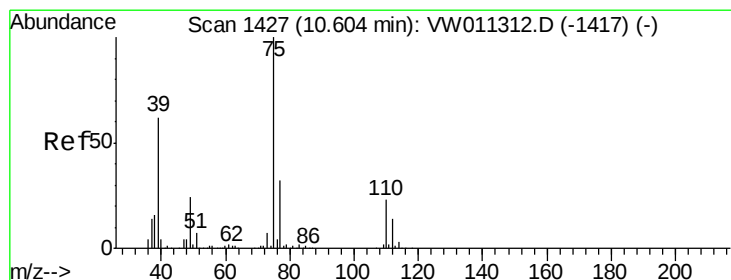
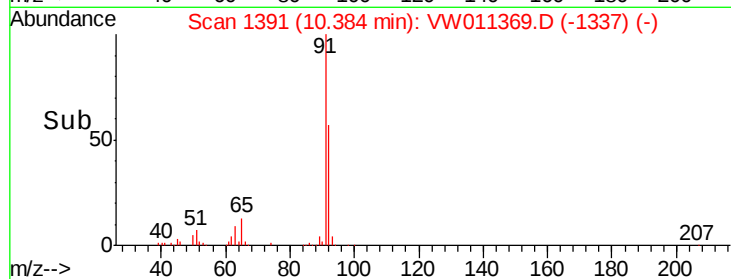
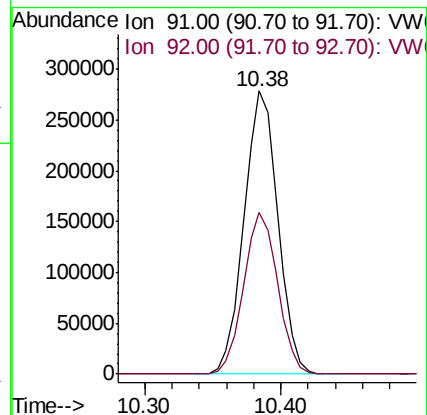
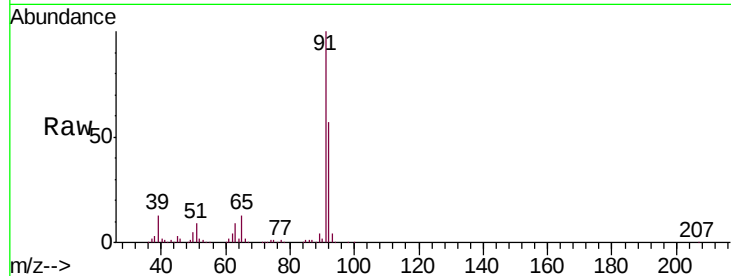
VSTD02513

Tgt Ion: 91 Resp: 484334

Ion Ratio Lower Upper

91 100

92 57.0 40.8 75.8



#45

trans-1,3-Dichloropropene

Concen: 27.415 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011369.D

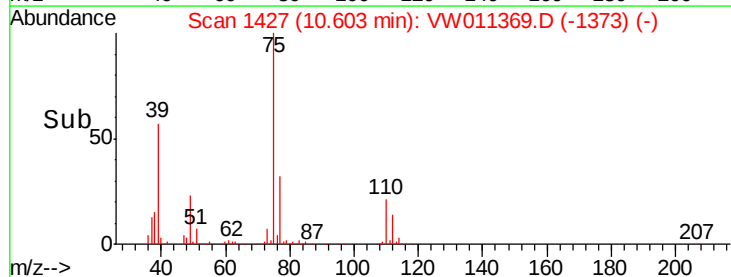
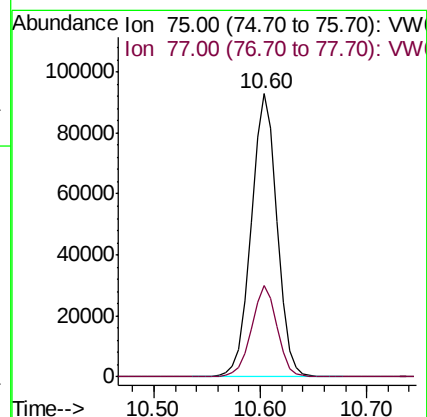
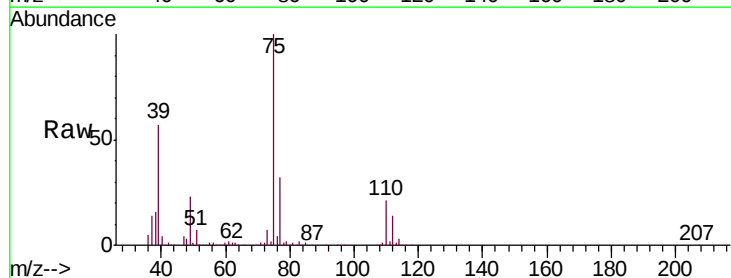
Acq: 19 Jul 2019 10:23

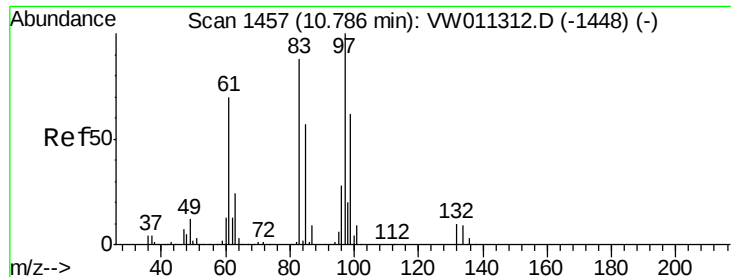
Tgt Ion: 75 Resp: 158606

Ion Ratio Lower Upper

75 100

77 32.5 22.3 41.5





#46

1,1,2-Trichloroethane

Concen: 27.482 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW011369.D

Acq: 19 Jul 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD02513

Tgt Ion: 97 Resp: 90184

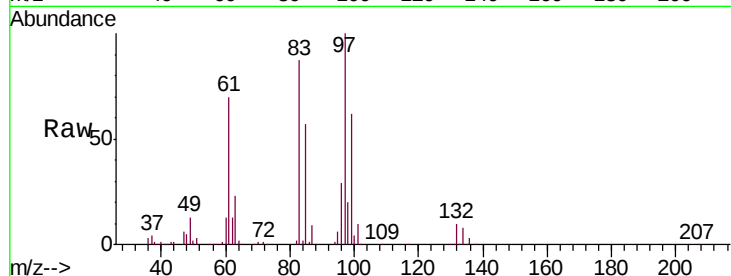
Ion Ratio Lower Upper

97 100

83 86.6 63.1 117.3

85 57.5 39.0 72.4

99 61.5 41.5 77.1

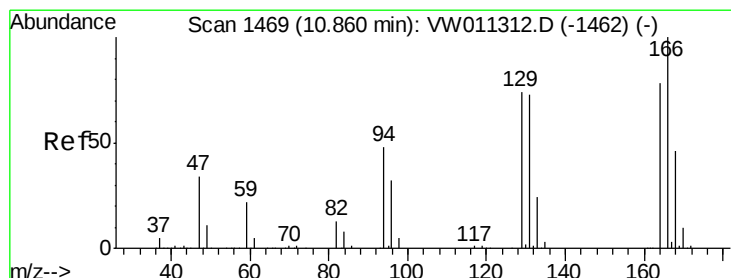
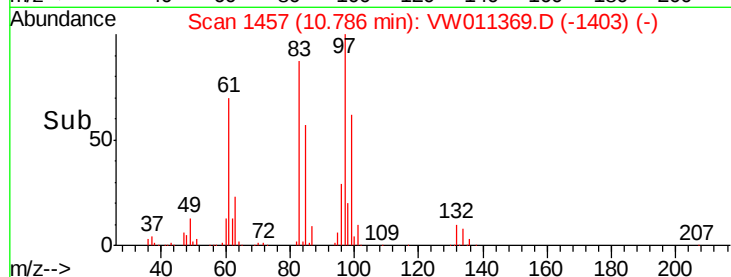
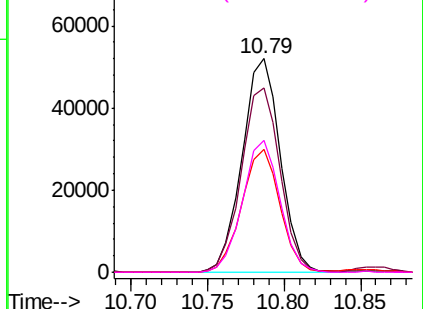


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 26.278 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW011369.D

Acq: 19 Jul 2019 10:23

Tgt Ion: 164 Resp: 86669

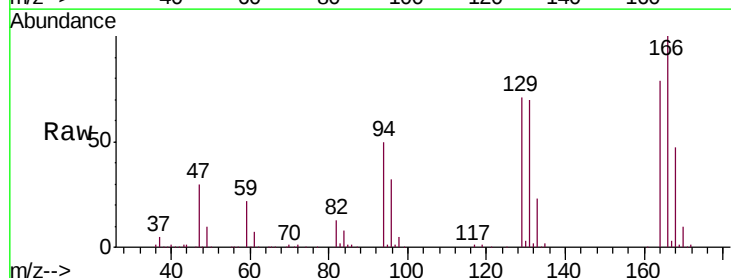
Ion Ratio Lower Upper

164 100

129 90.2 68.5 127.1

131 88.3 64.8 120.4

166 126.3 87.9 163.3

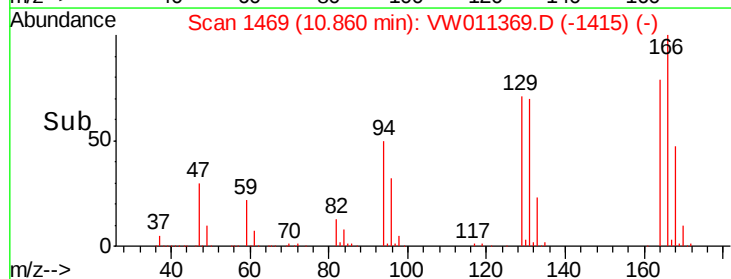
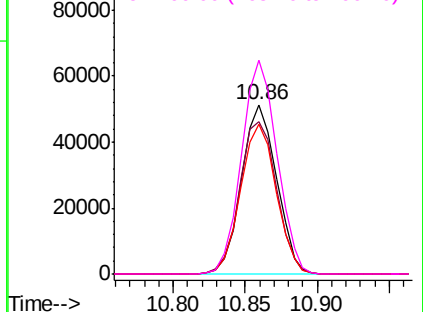


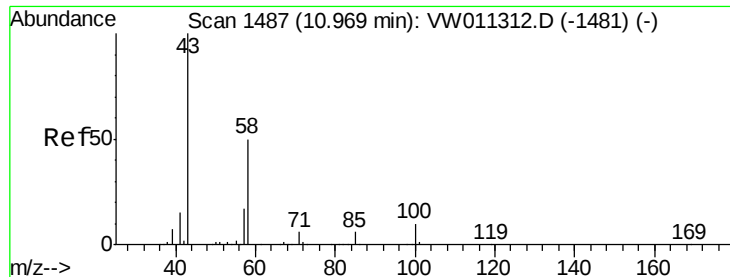
Abundance Ion 164.00 (163.70 to 164.70): V

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: 61.408 ug/L

RT: 10.96 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VW011369.D

Acq: 19 Jul 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD02513

Tgt Ion: 43 Resp: 196354

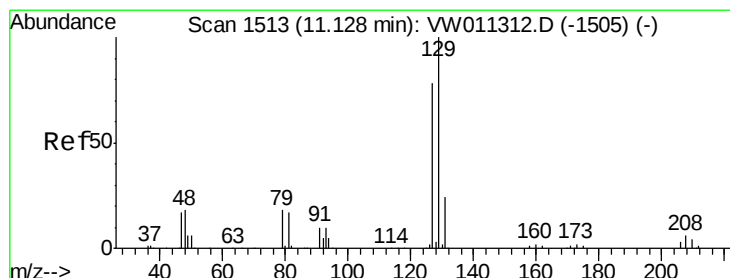
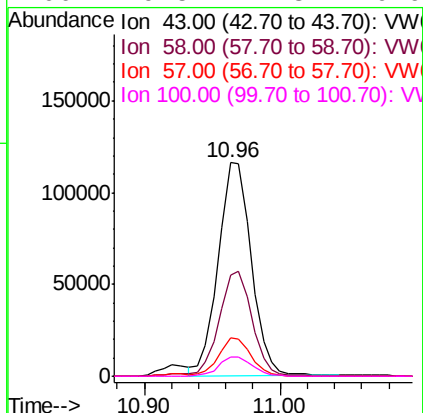
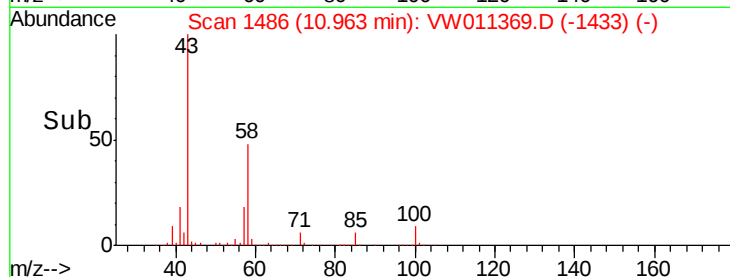
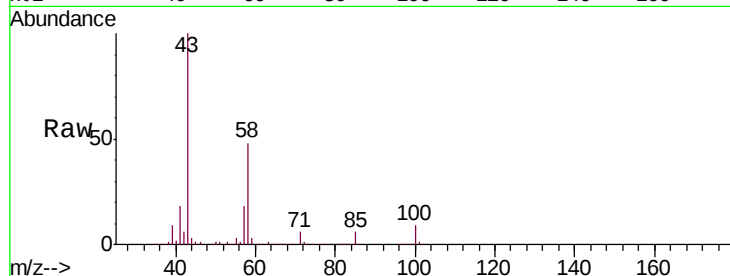
Ion Ratio Lower Upper

43 100

58 49.9 38.4 57.6

57 17.6 13.3 19.9

100 9.5 7.3 10.9



#50

Dibromochloromethane

Concen: 27.924 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW011369.D

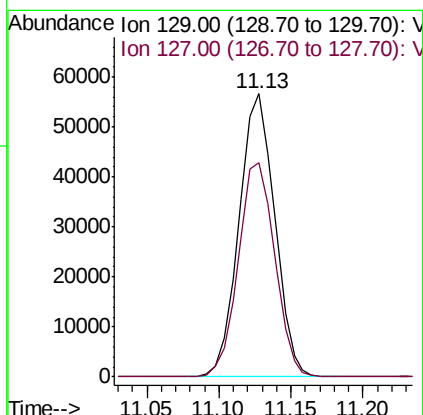
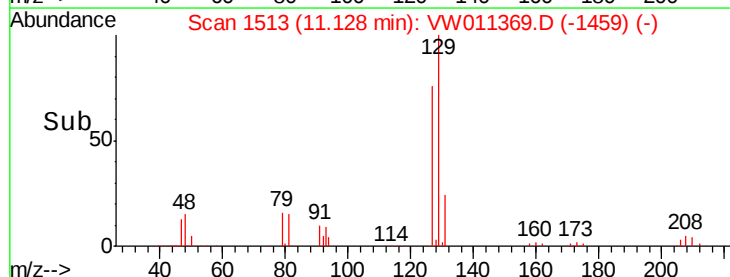
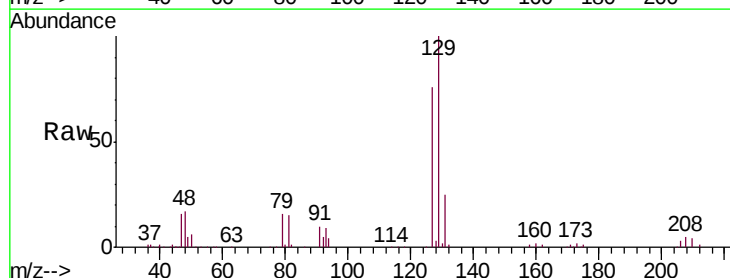
Acq: 19 Jul 2019 10:23

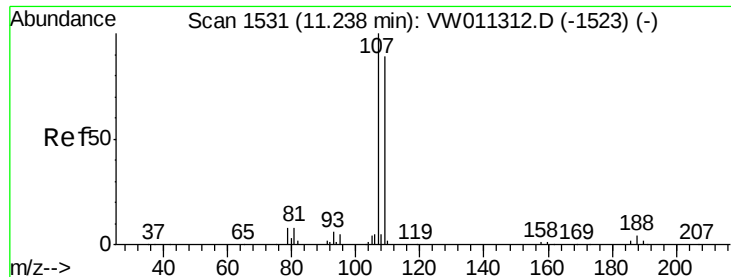
Tgt Ion: 129 Resp: 97581

Ion Ratio Lower Upper

129 100

127 75.9 53.3 99.1

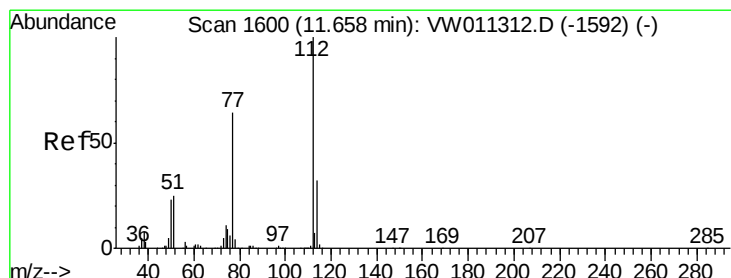
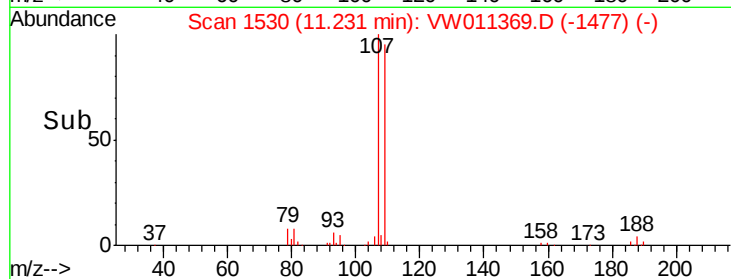
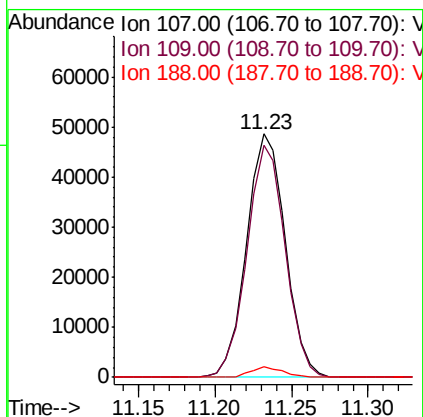
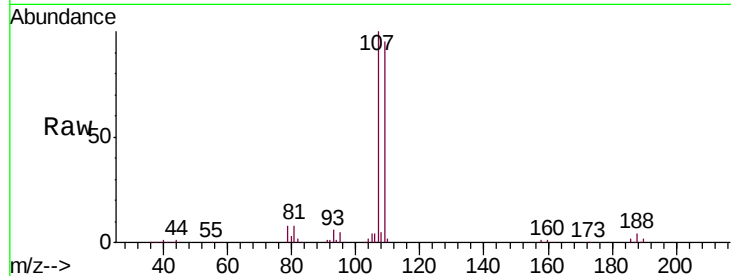




#51
1,2-Dibromoethane
Concen: 27.035 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW011369.D
Acq: 19 Jul 2019 10:23

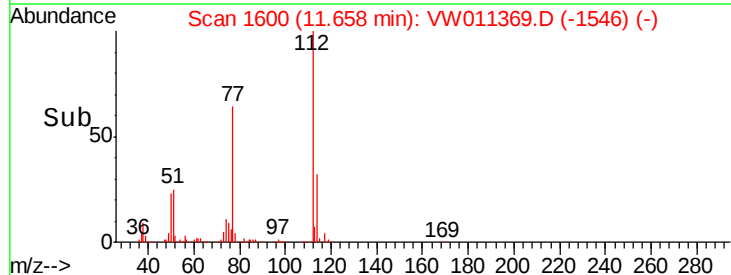
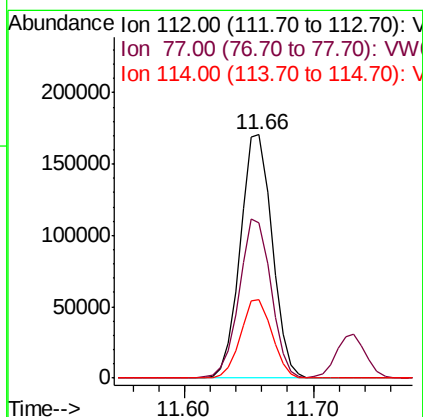
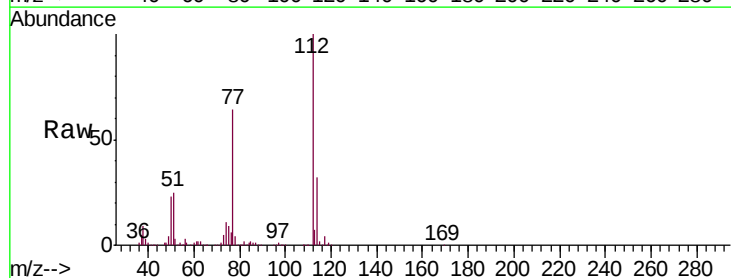
Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

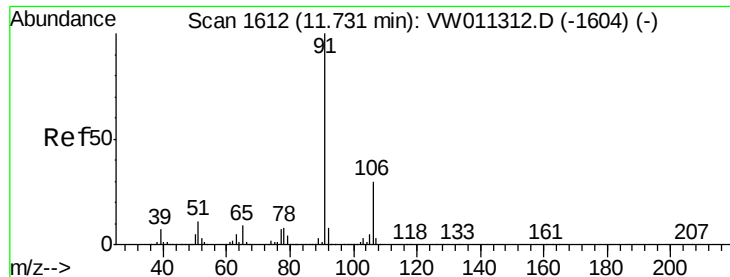
Tgt Ion:107 Resp: 85665
Ion Ratio Lower Upper
107 100
109 95.1 64.3 119.3
188 4.2 3.2 4.8



#52
Chlorobenzene
Concen: 26.694 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011369.D
Acq: 19 Jul 2019 10:23

Tgt Ion:112 Resp: 291916
Ion Ratio Lower Upper
112 100
77 63.8 51.2 76.8
114 32.2 22.0 40.8





#53

Ethylbenzene

Concen: 26.935 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011369.D

Acq: 19 Jul 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

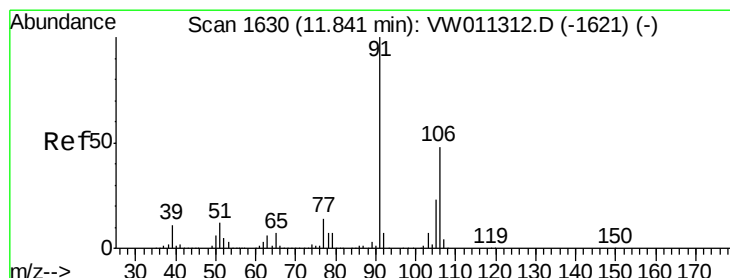
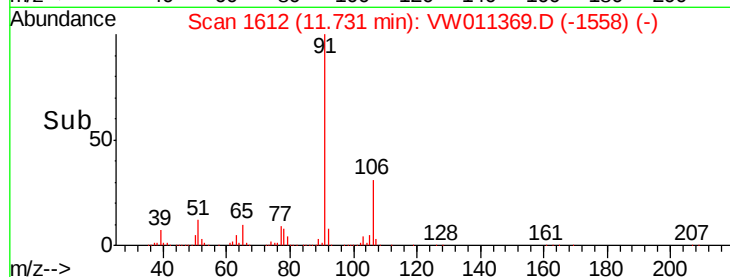
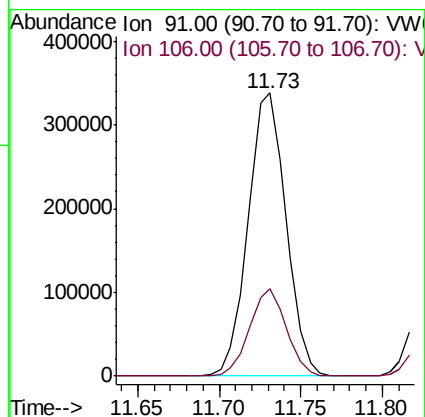
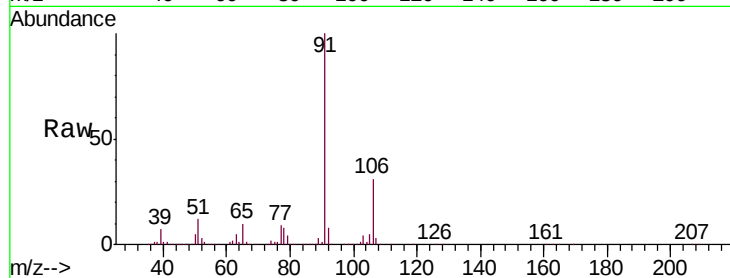
VSTD02513

Tgt Ion: 91 Resp: 546869

Ion Ratio Lower Upper

91 100

106 30.9 20.6 38.4



#54

m,p-Xylene

Concen: 26.725 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW011369.D

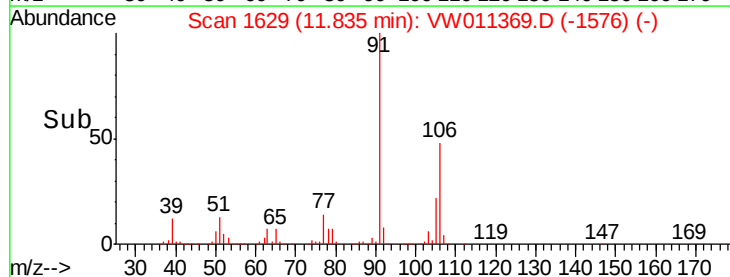
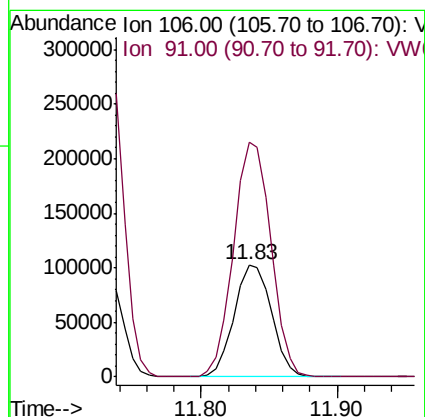
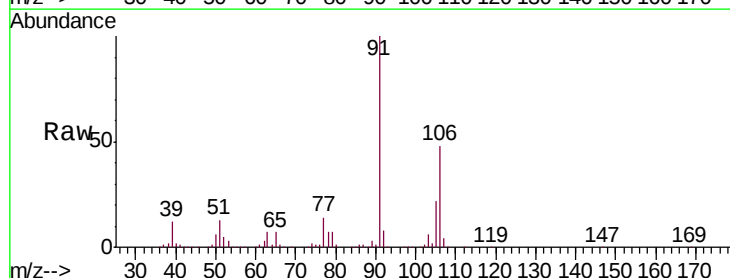
Acq: 19 Jul 2019 10:23

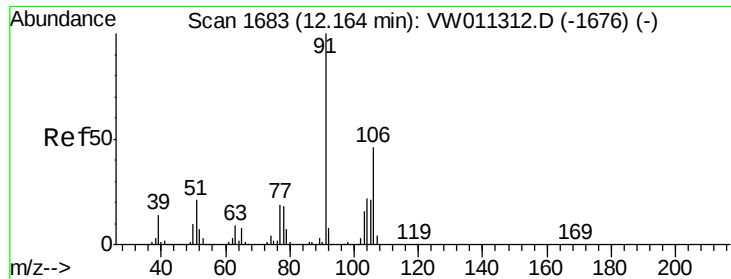
Tgt Ion: 106 Resp: 197008

Ion Ratio Lower Upper

106 100

91 210.0 142.6 264.8

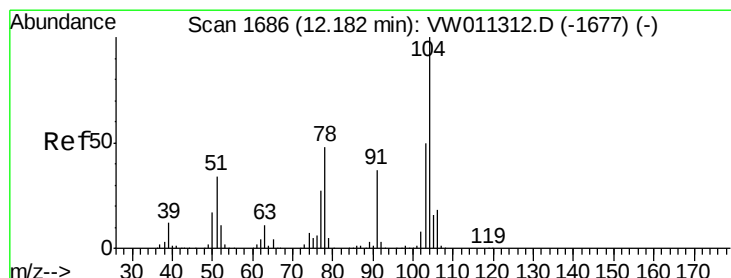
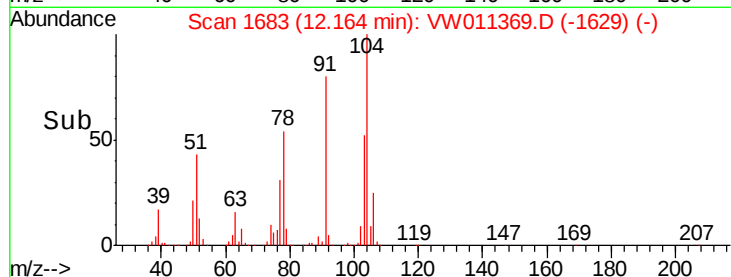
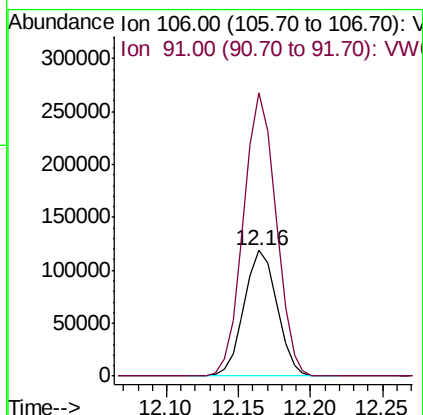
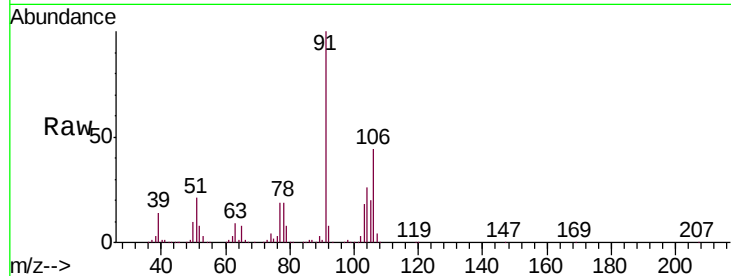




#55
o-xylene
Concen: 27.001 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011369.D
Acq: 19 Jul 2019 10:23

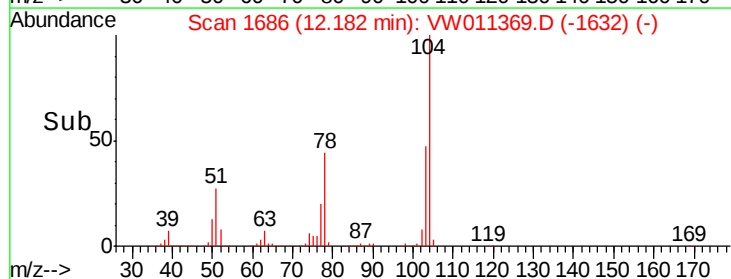
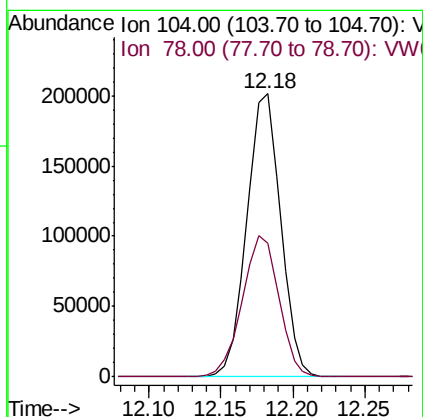
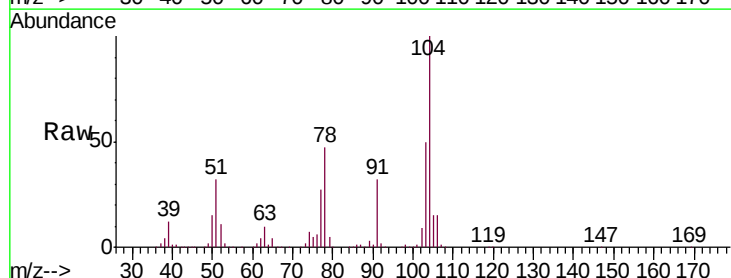
Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

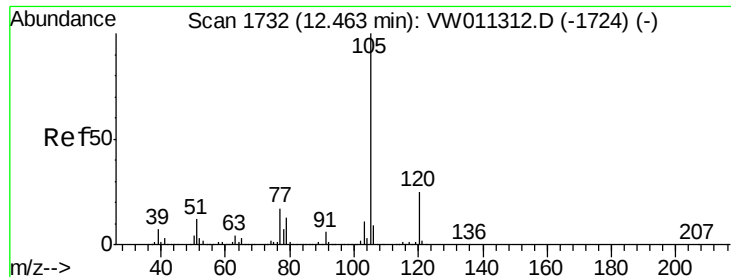
Tgt Ion:106 Resp: 189345
Ion Ratio Lower Upper
106 100
91 225.2 154.6 287.2



#56
Styrene
Concen: 27.246 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011369.D
Acq: 19 Jul 2019 10:23

Tgt Ion:104 Resp: 327764
Ion Ratio Lower Upper
104 100
78 47.3 33.7 62.7





#57

Isopropylbenzene

Concen: 27.359 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011369.D

Acq: 19 Jul 2019 10:23

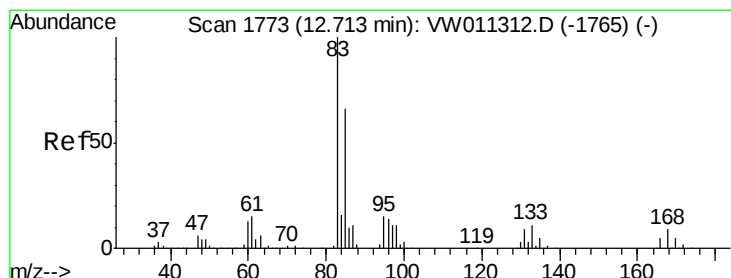
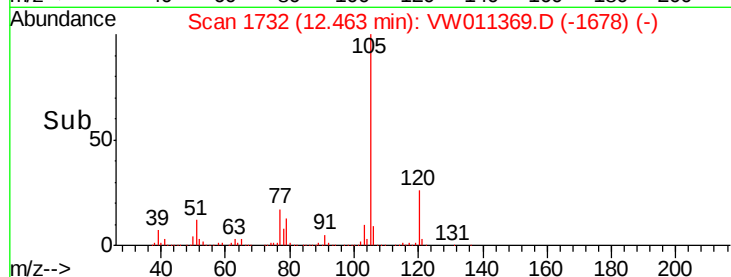
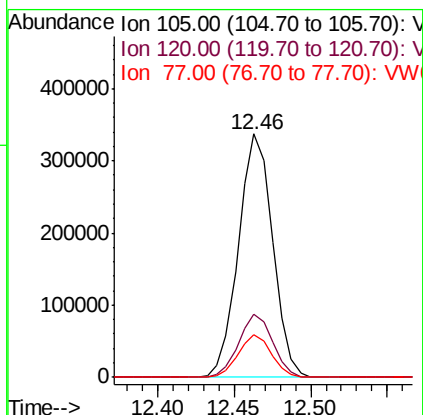
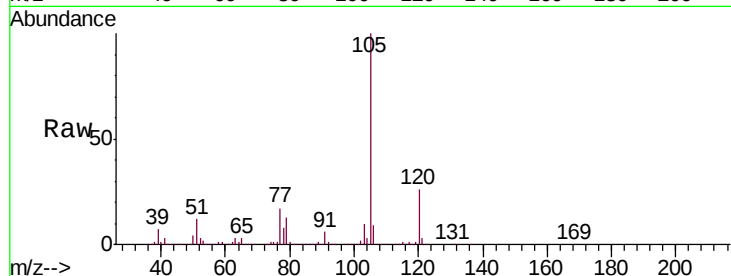
Instrument :

MSVOA_W

ClientSampleId :

VSTD02513

Tgt Ion:	105	Resp:	523715
Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.7	31.1
77	17.0	13.5	20.3



#58

1,1,2,2-Tetrachloroethane

Concen: 28.868 ug/L

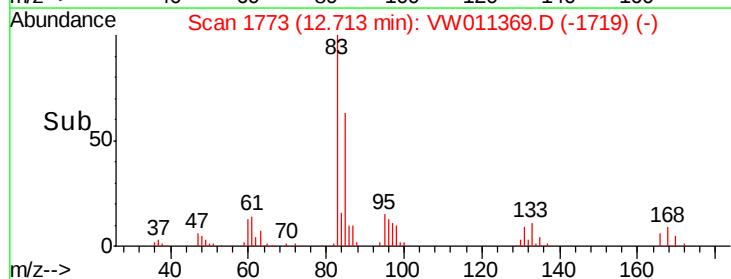
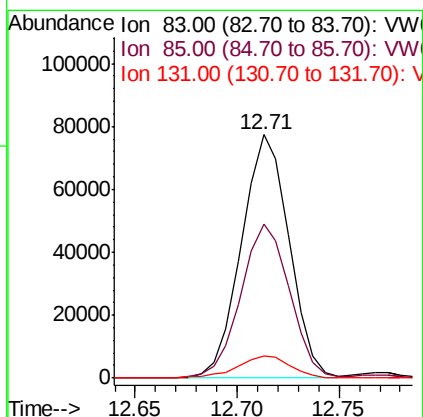
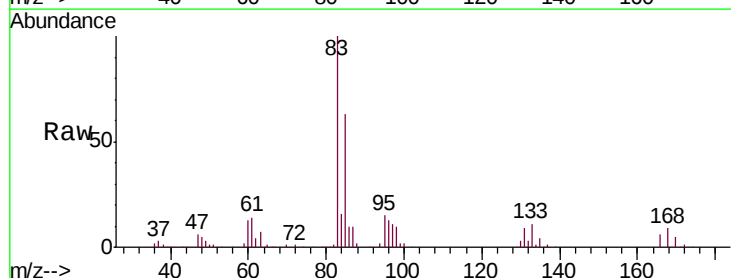
RT: 12.71 min Scan# 1773

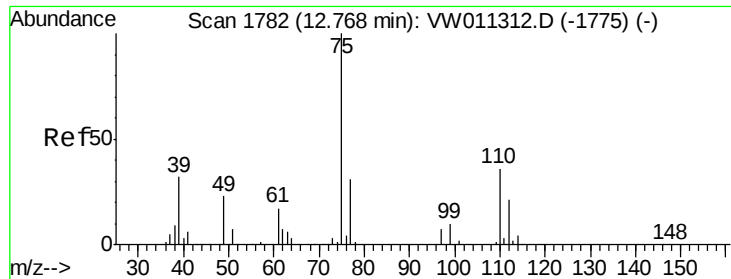
Delta R.T. -0.00 min

Lab File: VW011369.D

Acq: 19 Jul 2019 10:23

Tgt Ion:	83	Resp:	126028
Ion	Ratio	Lower	Upper
83	100		
85	63.5	44.0	81.6
131	9.1	6.7	10.1

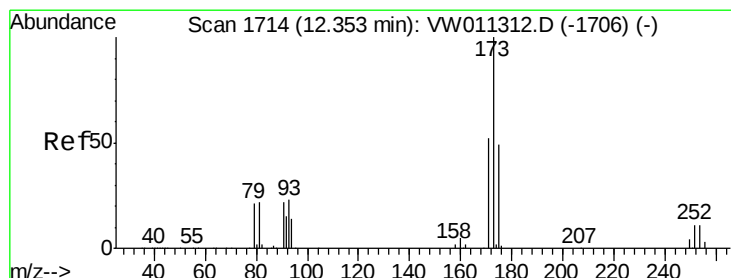
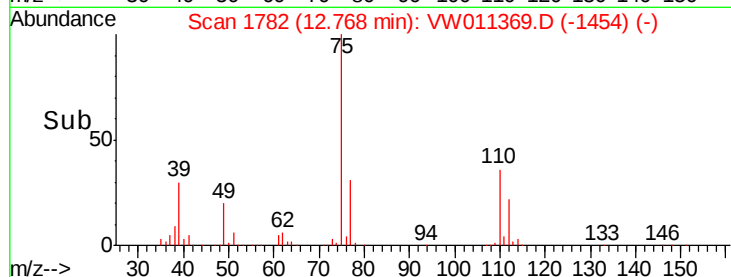
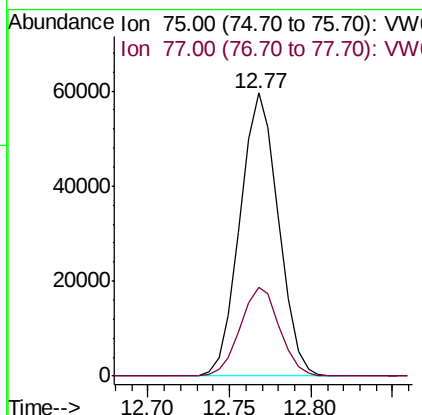
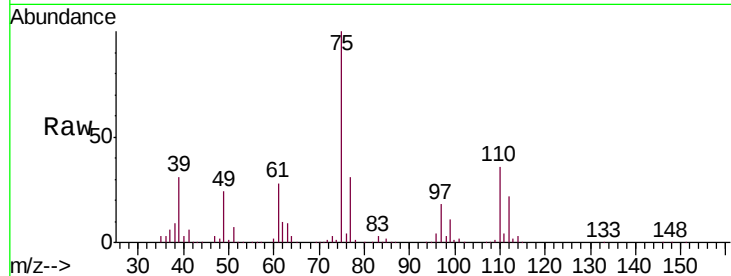




#59
 1,2,3-Trichloropropane
 Concen: 29.110 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW011369.D
 Acq: 19 Jul 2019 10:23

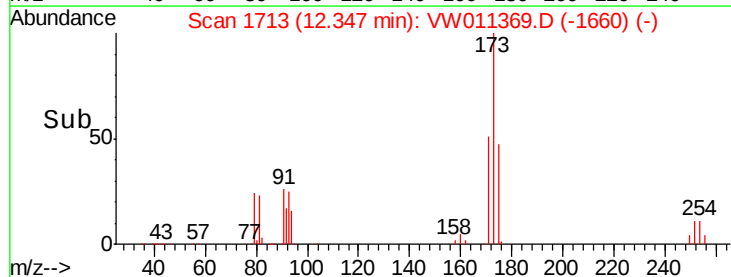
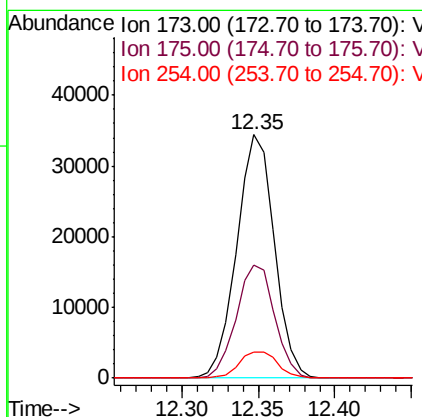
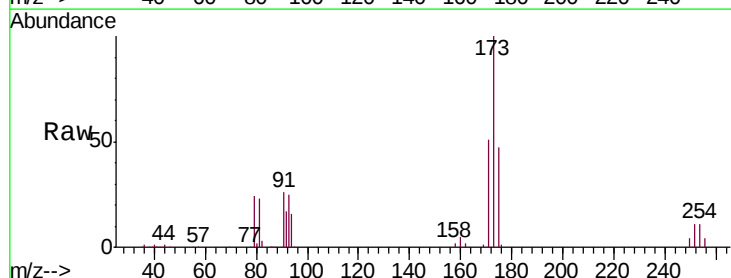
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

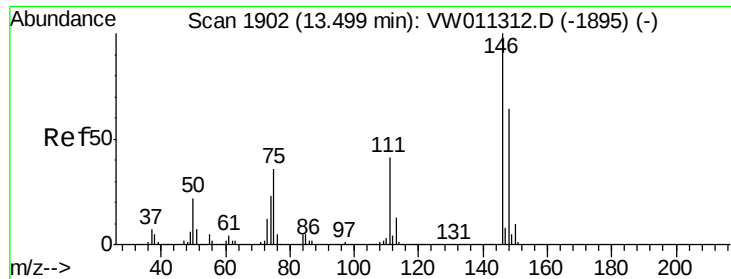
Tgt Ion: 75 Resp: 97594
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.4 38.0



#62
 Bromoform
 Concen: 28.812 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: VW011369.D
 Acq: 19 Jul 2019 10:23

Tgt Ion: 173 Resp: 58616
 Ion Ratio Lower Upper
 173 100
 175 47.6 39.0 58.6
 254 11.1 8.5 12.7

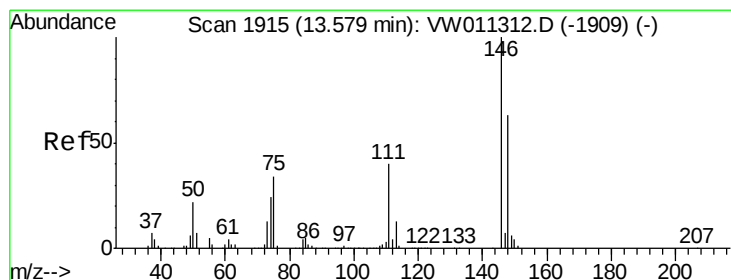
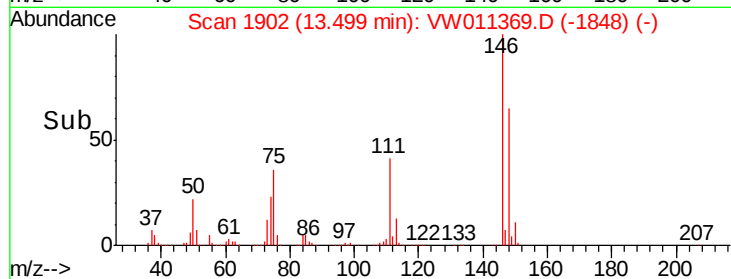
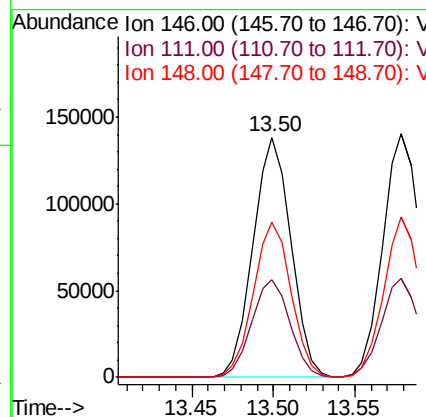
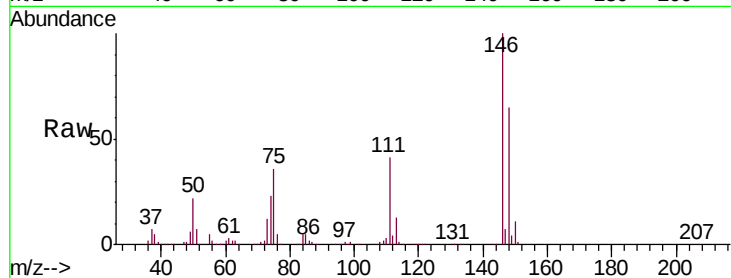




#63
 1,3-Dichlorobenzene
 Concen: 26.692 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011369.D
 Acq: 19 Jul 2019 10:23

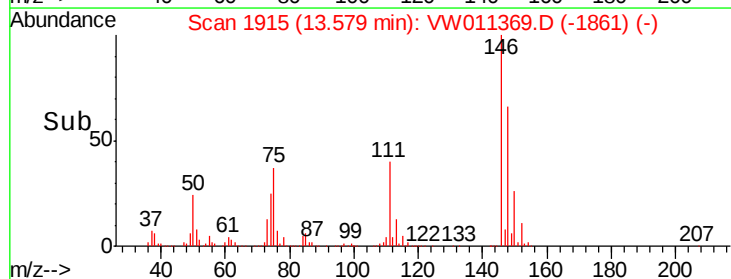
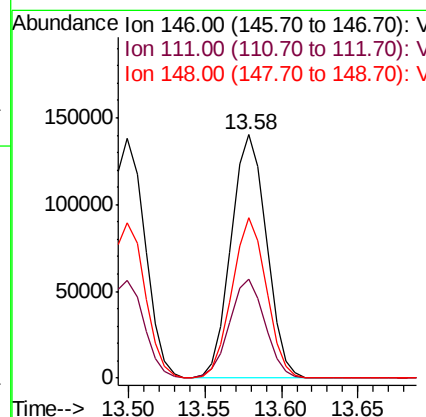
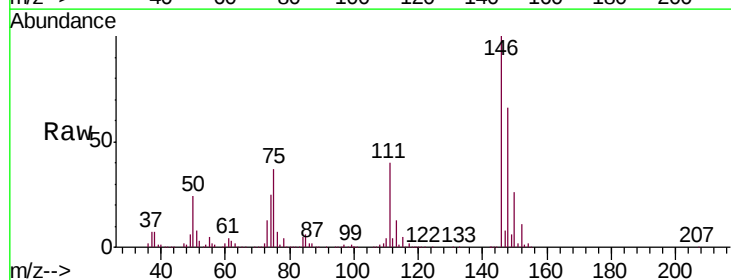
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

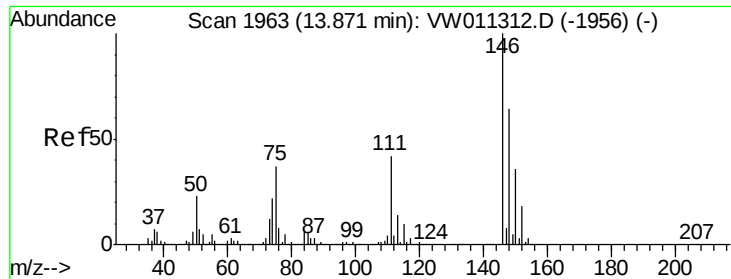
Tgt Ion:146 Resp: 224174
 Ion Ratio Lower Upper
 146 100
 111 40.7 29.0 53.8
 148 64.6 44.4 82.5



#64
 1,4-Dichlorobenzene
 Concen: 26.295 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011369.D
 Acq: 19 Jul 2019 10:23

Tgt Ion:146 Resp: 226071
 Ion Ratio Lower Upper
 146 100
 111 40.4 27.5 51.1
 148 65.9 43.8 81.3

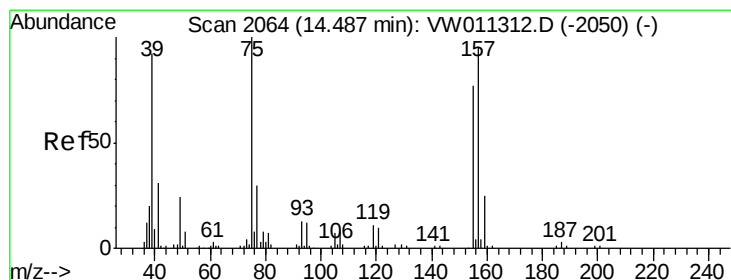
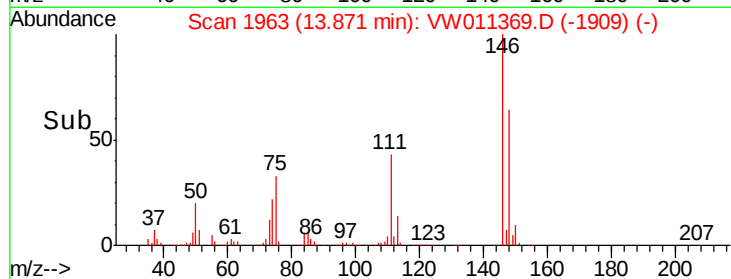
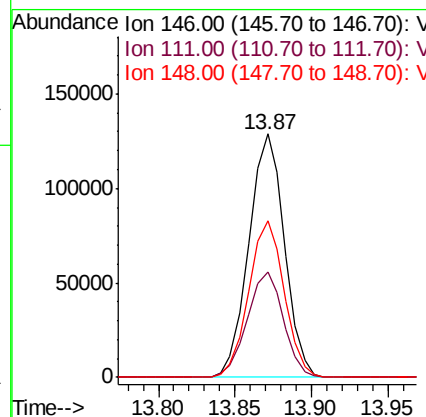
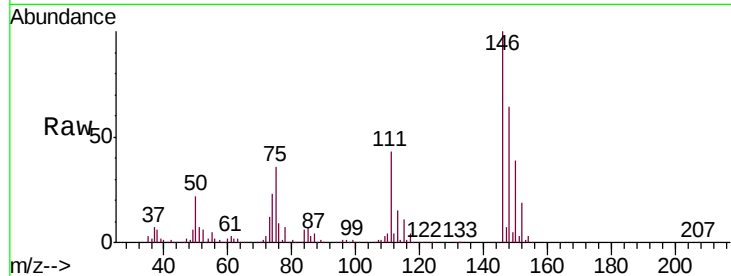




#65
 1,2-Dichlorobenzene
 Concen: 26.700 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011369.D
 Acq: 19 Jul 2019 10:23

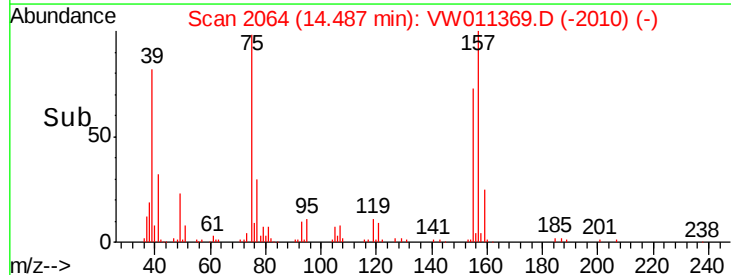
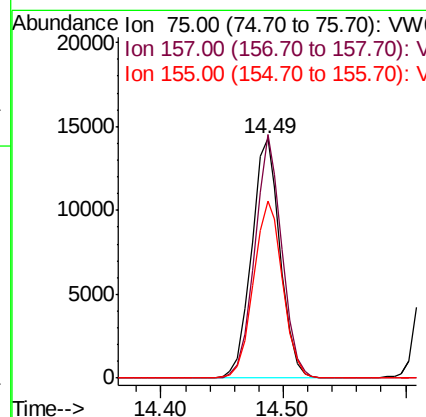
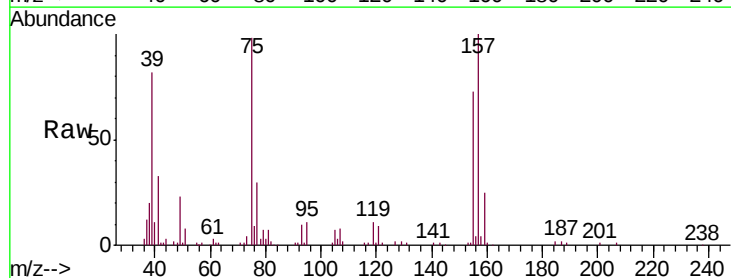
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

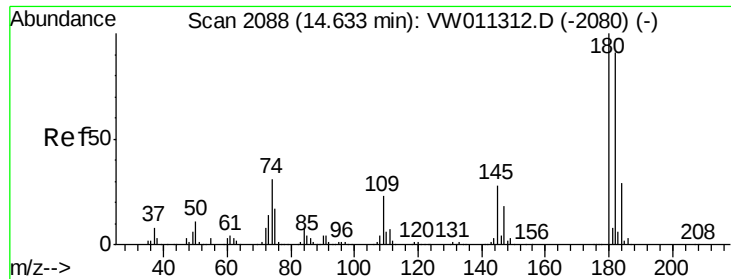
Tgt Ion:146 Resp: 208724
 Ion Ratio Lower Upper
 146 100
 111 43.3 34.1 51.1
 148 64.4 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 30.102 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011369.D
 Acq: 19 Jul 2019 10:23

Tgt Ion: 75 Resp: 23104
 Ion Ratio Lower Upper
 75 100
 157 101.8 75.3 112.9
 155 73.8 60.2 90.2

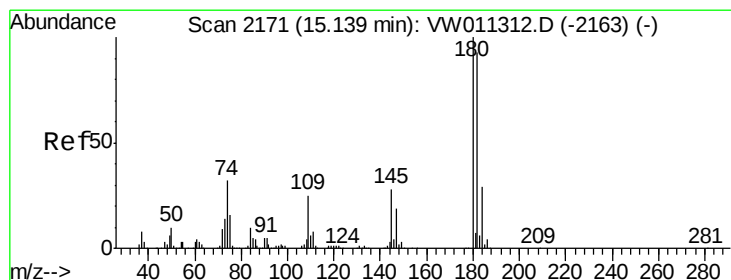
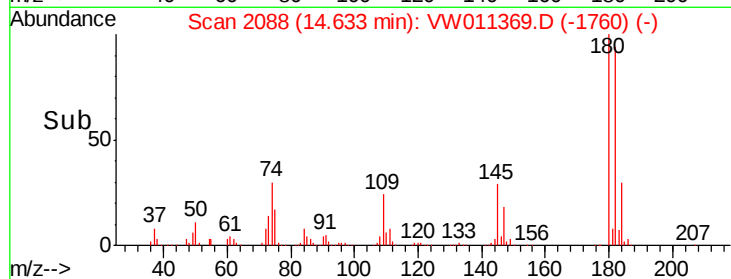
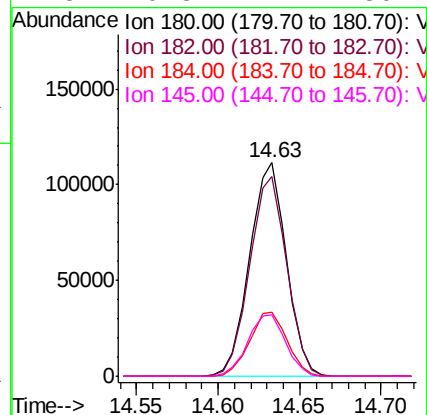
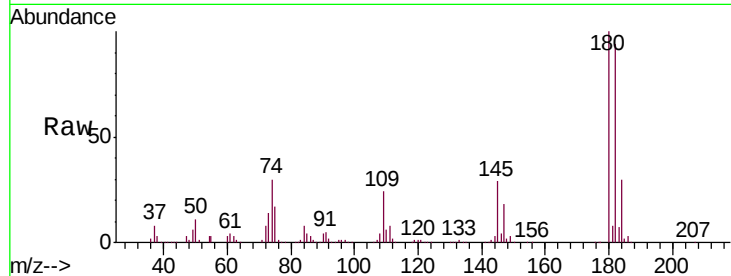




#67
 1,3,5-Trichlorobenzene
 Concen: 27.491 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW011369.D
 Acq: 19 Jul 2019 10:23

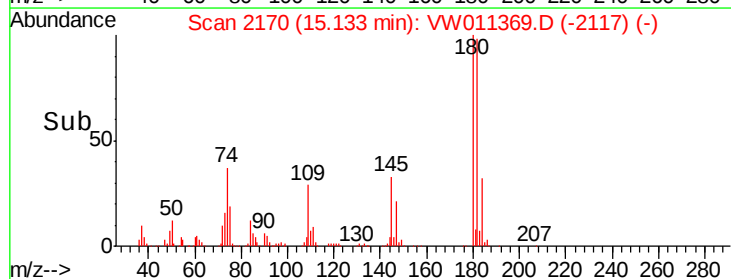
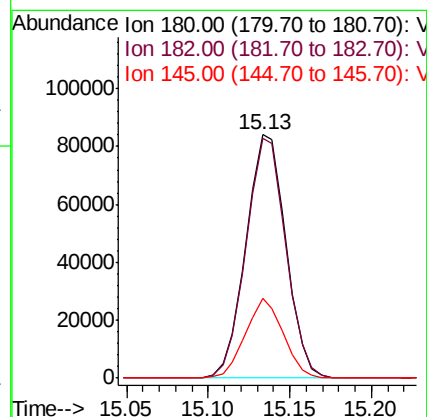
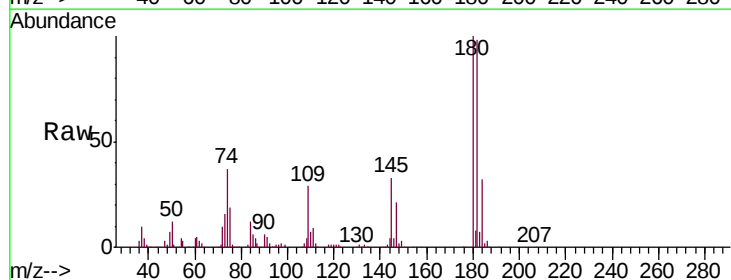
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

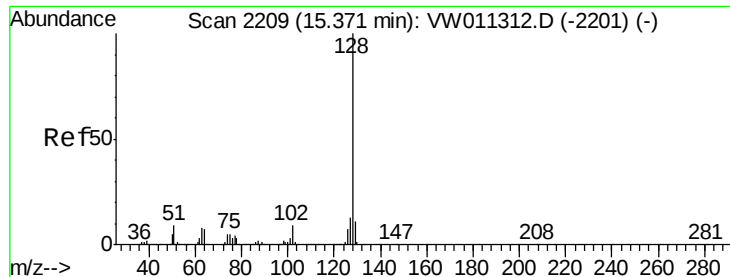
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	77.0	115.4
184	30.9	24.3	36.5
145	29.8	24.2	36.2



#68
 1,2,4-trichlorobenzene
 Concen: 26.989 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW011369.D
 Acq: 19 Jul 2019 10:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.8	77.0	115.6
145	30.9	24.5	36.7





#69

Naphthalene

Concen: 29.686 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW011369.D

Acq: 19 Jul 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD02513

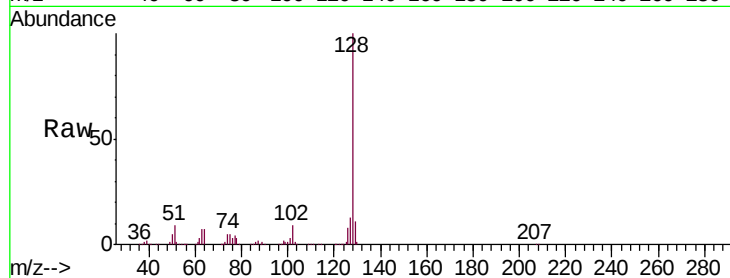
Tgt Ion:128 Resp: 331433

Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.4

127 13.2 10.6 15.8

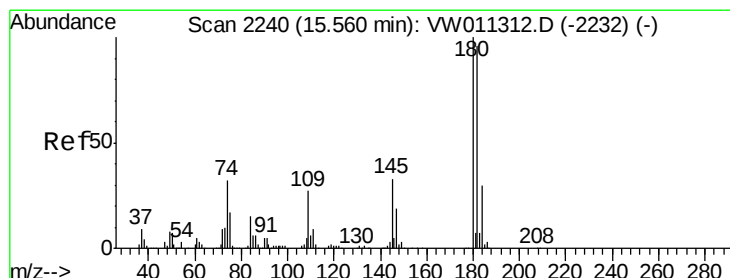
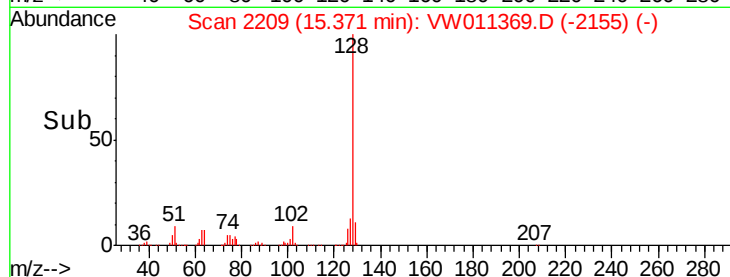
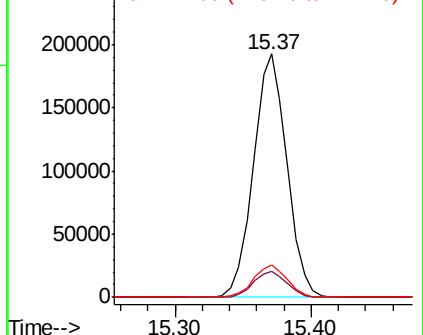


Abundance

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: 27.357 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW011369.D

Acq: 19 Jul 2019 10:23

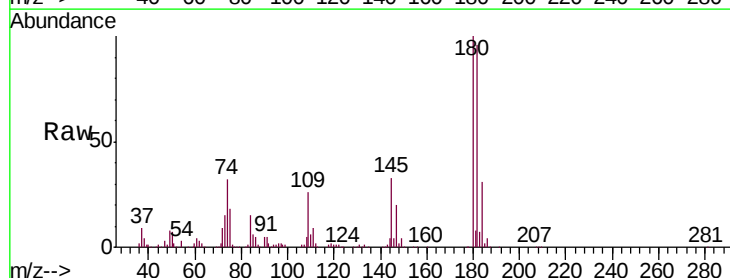
Tgt Ion:180 Resp: 133433

Ion Ratio Lower Upper

180 100

182 96.3 76.4 114.6

145 32.6 25.5 38.3



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

