

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040820\
 Data File : VW015171.D
 Acq On : 08 Apr 2020 16:36
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

Quant Time: Apr 09 01:22:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 09 01:17:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	530838	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	479231	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	208899	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	221665	24.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.72%
7) Chloroethane-d5	2.89	69	222982	29.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	118.00%
10) 1,1-Dichloroethene-d2	4.03	63	430675	23.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.48%
20) 2-Butanone-d5	7.08	46	117602	56.36	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.72%
24) Chloroform-d	7.65	84	388633	24.50	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	8.31	65	230874	25.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.52%
29) Benzene-d6	8.27	84	745813	24.32	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.28%
33) 1,2-Dichloropropane-d6	9.27	67	248742	24.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.64%
37) Toluene-d8	10.32	98	655932	25.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.36%
38) trans-1,3-Dichloropropene-	10.58	79	97796	25.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.32%
39) 2-Hexanone-d5	10.93	63	83733	55.64	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.28%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	177848	25.52	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.08%
61) 1,2-Dichlorobenzene-d4	13.85	152	182507	25.11	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.44%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	104851	25.388	ug/L	97
3) Chloromethane	2.21	50	201770	26.420	ug/L	99
5) Vinyl chloride	2.37	62	307168	28.868	ug/L	99
6) Bromomethane	2.78	94	193247	32.902	ug/L	99
8) Chloroethane	2.93	64	204593	31.584	ug/L	97
9) Trichlorofluoromethane	3.26	101	159431	26.771	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	212035	25.592	ug/L	99
12) 1,1-Dichloroethene	4.04	96	198561	25.254	ug/L	99
13) Acetone	4.13	43	97613	52.413	ug/L	98
14) Carbon disulfide	4.39	76	669043	22.875	ug/L	100
15) Methyl Acetate	4.68	43	116640	26.513	ug/L #	72
16) Methylene chloride	4.92	84	222282	24.499	ug/L	99
17) Methyl tert-butyl Ether	5.43	73	300264	29.410	ug/L	98
18) trans-1,2-Dichloroethene	5.43	96	206943	25.322	ug/L	98
19) 1,1-Dichloroethane	6.21	63	455153	25.990	ug/L	98
21) 2-Butanone	7.17	43	148251	56.203	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	217469	26.796	ug/L	95

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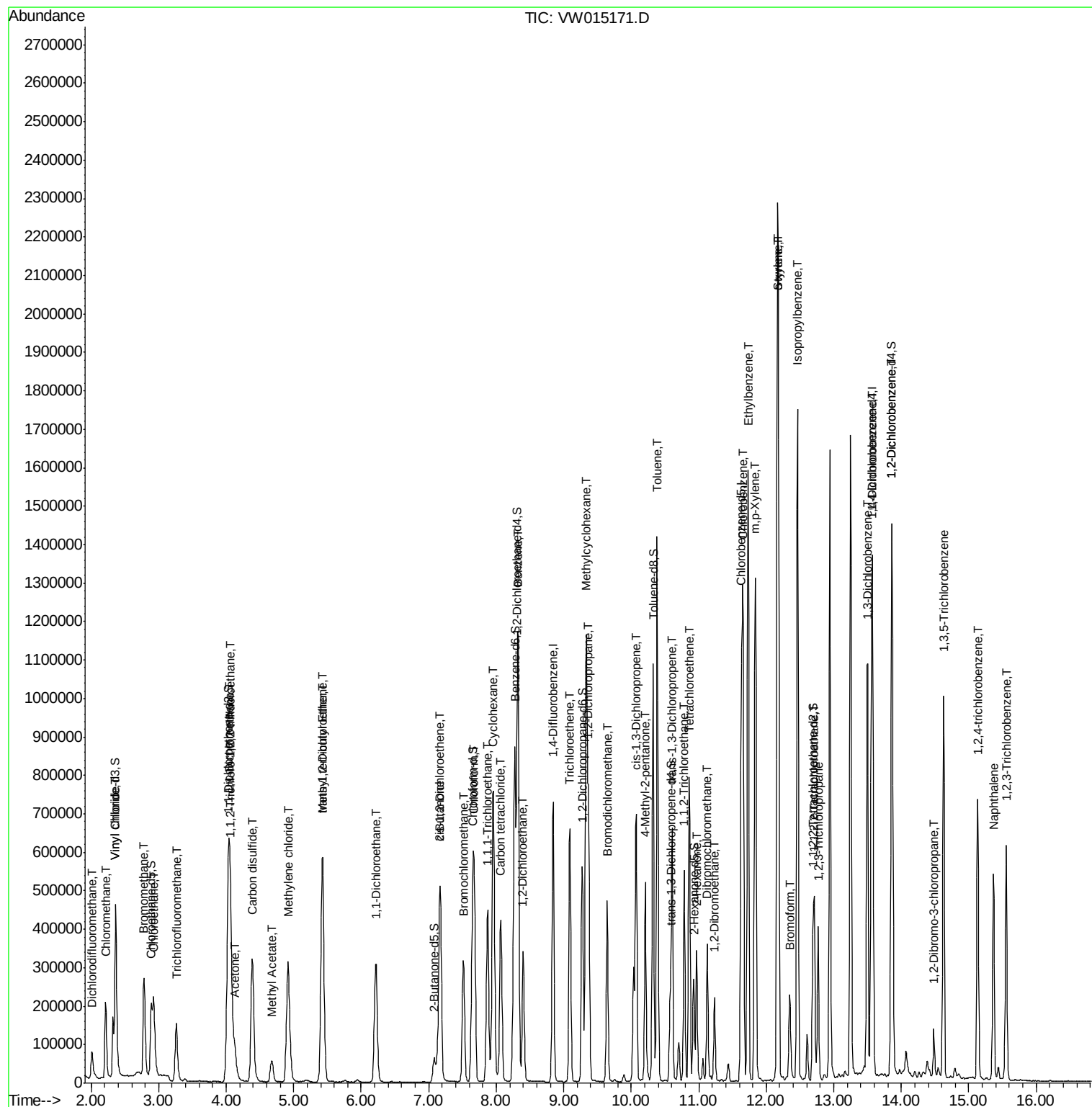
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	86417	25.936	ug/L	95
25) Chloroform	7.68	83	417612	26.397	ug/L	99
27) 1,2-Dichloroethane	8.40	62	311177	27.388	ug/L	98
30) Cyclohexane	7.96	56	425004	27.181	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	335600	26.656	ug/L	99
32) Carbon tetrachloride	8.07	117	287340	26.306	ug/L	99
34) Benzene	8.32	78	944769	26.649	ug/L	100
35) Trichloroethene	9.09	95	222576	25.790	ug/L	98
36) Methylcyclohexane	9.34	83	402712	27.161	ug/L	99
40) 1,2-Dichloropropane	9.37	63	258601	26.450	ug/L	100
41) Bromodichloromethane	9.65	83	300033	26.972	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	355864	27.702	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	352368	63.701	ug/L	100
44) Toluene	10.39	91	959582	27.372	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	314848	28.029	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	158063	27.502	ug/L	97
47) Tetrachloroethene	10.86	164	144670	25.974	ug/L	100
49) 2-Hexanone	10.97	43	224356	60.815	ug/L	99
50) Dibromochloromethane	11.13	129	161008	27.249	ug/L	96
51) 1,2-Dibromoethane	11.23	107	137842	27.081	ug/L	92
52) Chlorobenzene	11.66	112	543481	26.523	ug/L	98
53) Ethylbenzene	11.73	91	1069216	28.237	ug/L	100
54) m,p-Xylene	11.84	106	381523	28.740	ug/L	97
55) o-xylene	12.16	106	357878	28.757	ug/L	98
56) Styrene	12.18	104	612519	28.919	ug/L	94
57) Isopropylbenzene	12.46	105	1002145	29.227	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	193580	26.911	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	145856	27.108	ug/L	100
62) Bromoform	12.35	173	81444	26.818	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	369078	26.958	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	372690	26.606	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	339857	27.277	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.48	75	30907	26.042	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	243463	27.623	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	189814	28.573	ug/L	99
69) Naphthalene	15.36	128	398113	30.821	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	168909	27.361	ug/L	98

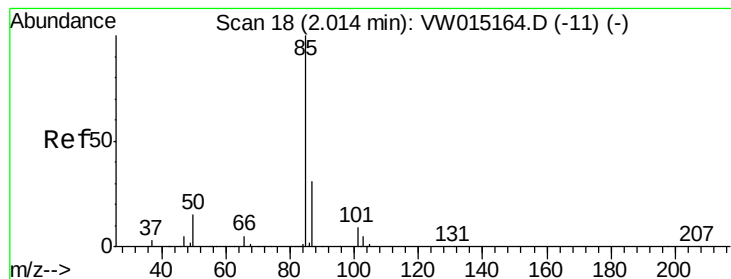
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 25.388 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW015171.D

Acq: 08 Apr 2020 16:36

Instrument :

MSVOA_W

ClientSampleId :

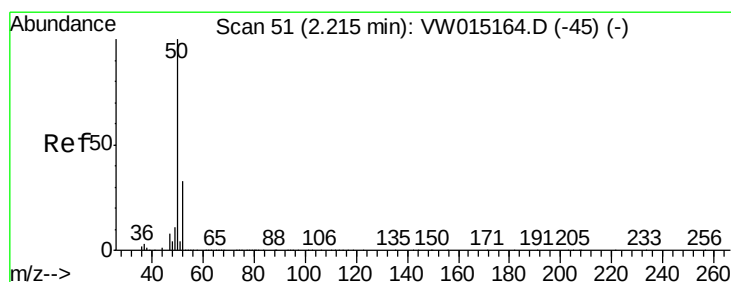
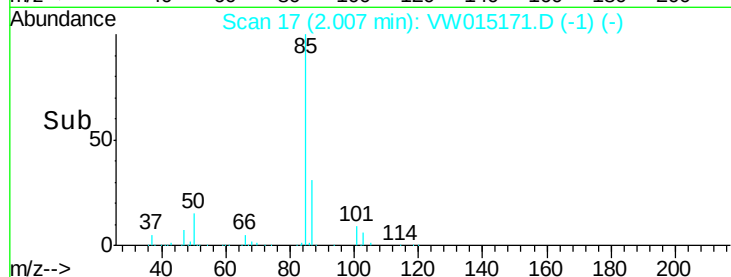
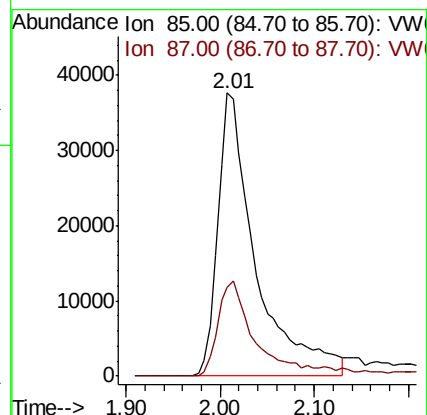
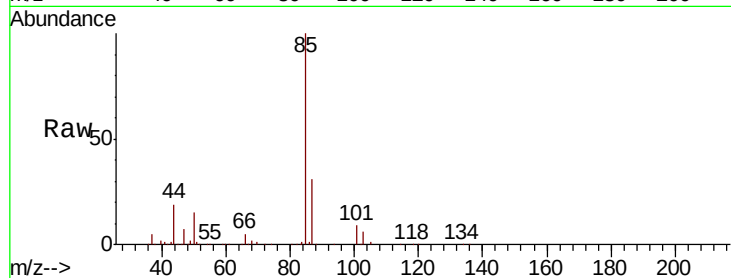
VSTD02524

Tot Ion: 85 Resp: 104851

Ion Ratio Lower Upper

85 100

87 32.0 23.4 43.6



#3

Chloromethane

Concen: 26.420 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015171.D

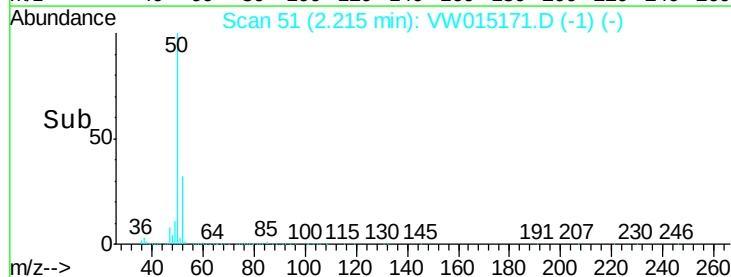
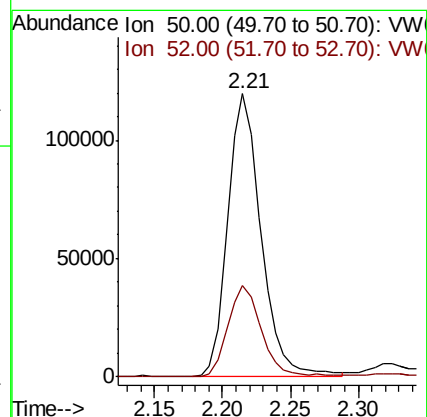
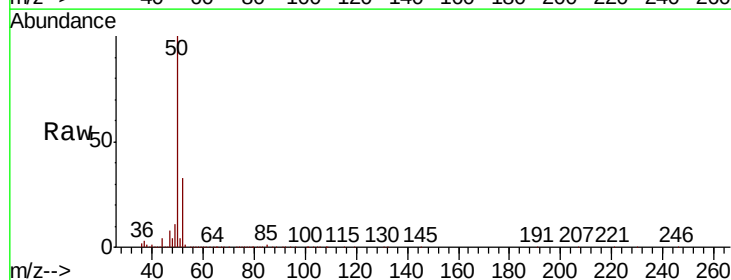
Acq: 08 Apr 2020 16:36

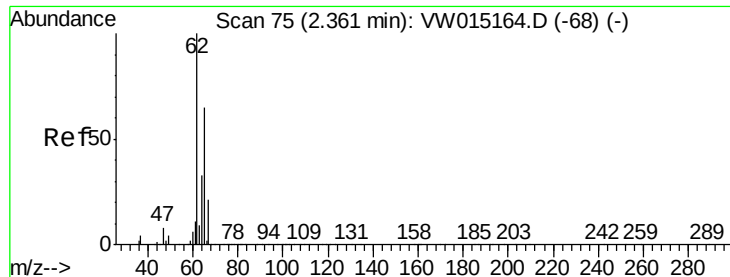
Tgt Ion: 50 Resp: 201770

Ion Ratio Lower Upper

50 100

52 32.5 23.0 42.8





#5

Vinyl chloride

Concen: 28.868 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW015171.D

Acq: 08 Apr 2020 16:36

Instrument :

MSVOA_W

ClientSampleId :

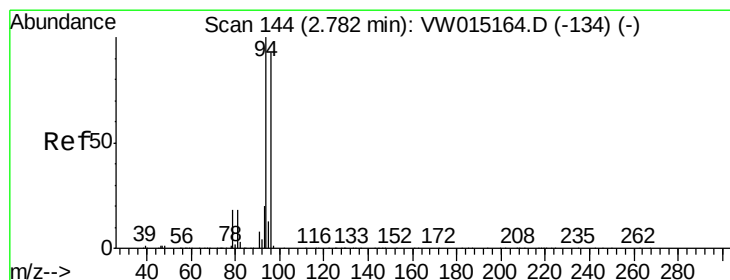
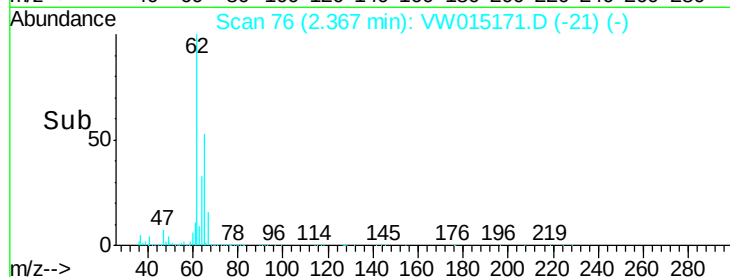
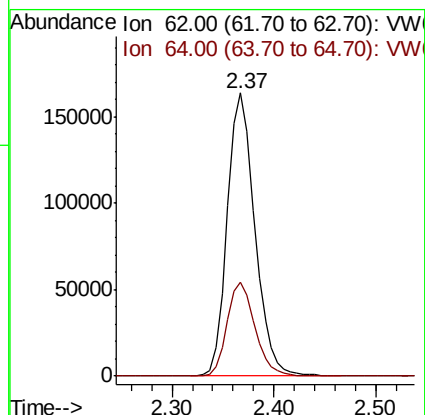
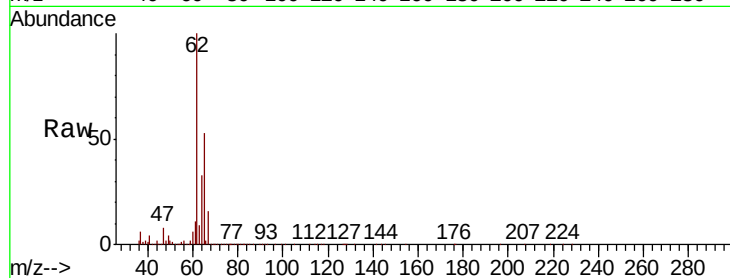
VSTD02524

Tot Ion: 62 Resp: 307168

Ion Ratio Lower Upper

62 100

64 33.2 22.7 42.3



#6

Bromomethane

Concen: 32.902 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW015171.D

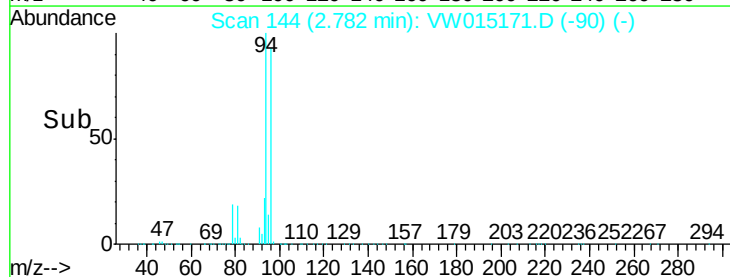
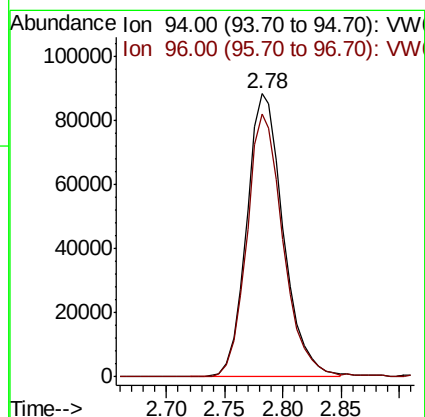
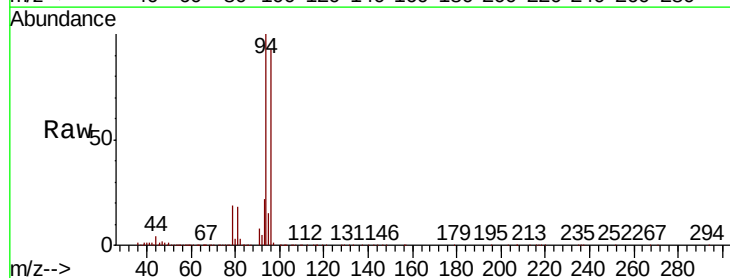
Acq: 08 Apr 2020 16:36

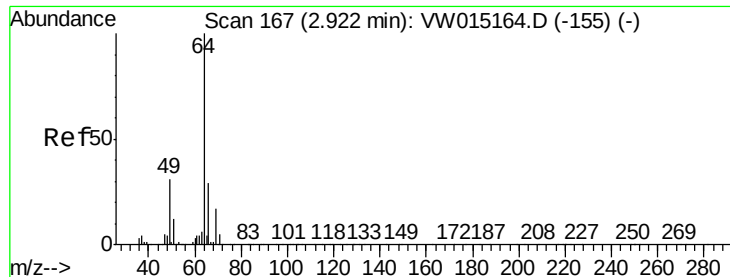
Tgt Ion: 94 Resp: 193247

Ion Ratio Lower Upper

94 100

96 91.9 9.3 177.3

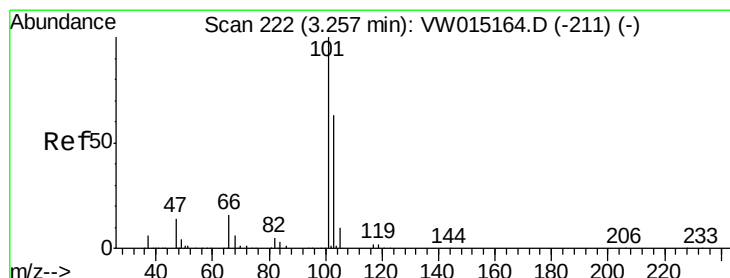
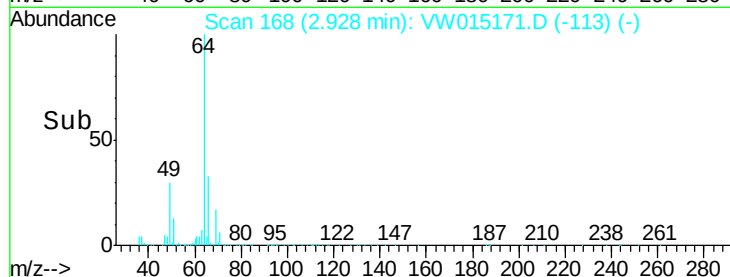
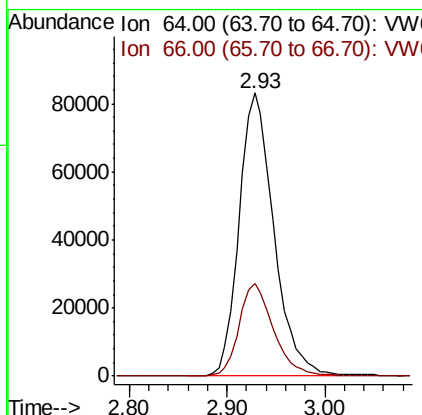
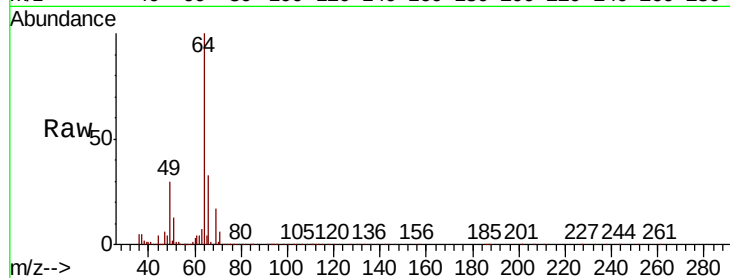




#8
Chloroethane
Concen: 31.584 ug/L
RT: 2.93 min Scan# 168
Delta R.T. 0.01 min
Lab File: VW015171.D
Acq: 08 Apr 2020 16:36

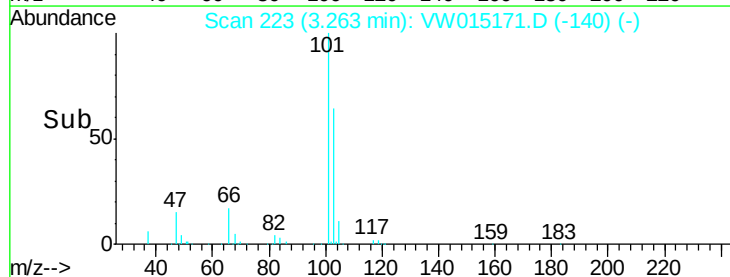
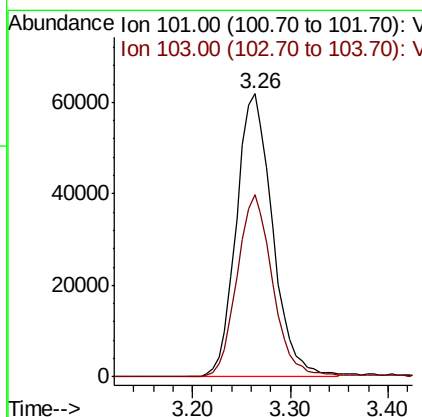
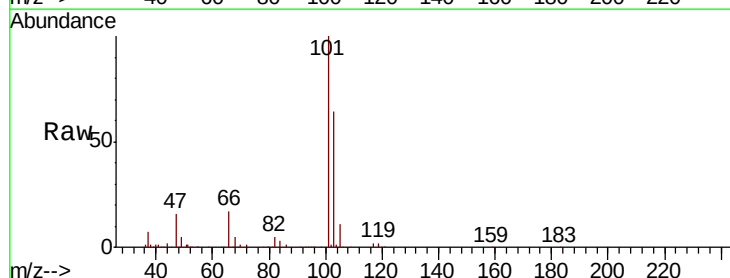
Instrument :
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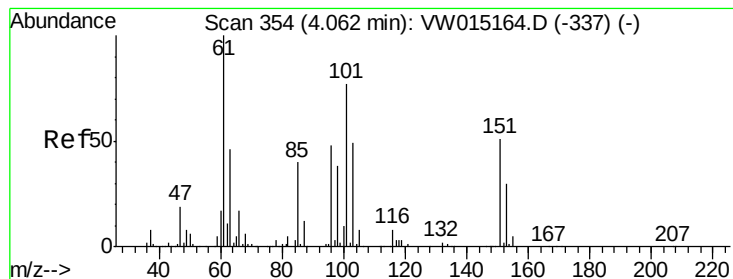
Tot Ion: 64 Resp: 204593
Ion Ratio Lower Upper
64 100
66 32.9 21.8 40.6



#9
Trichlorofluoromethane
Concen: 26.771 ug/L
RT: 3.26 min Scan# 223
Delta R.T. 0.01 min
Lab File: VW015171.D
Acq: 08 Apr 2020 16:36

Tgt Ion: 101 Resp: 159431
Ion Ratio Lower Upper
101 100
103 63.2 43.8 81.4





#11

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

Concen: 25.592 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015171.D

Acq: 08 Apr 2020 16:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

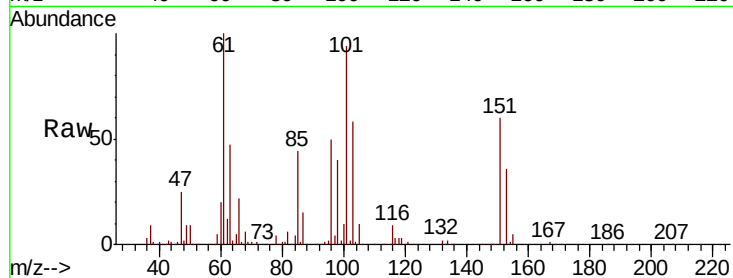
Tot Ion:101 Resp: 212035

Ion Ratio Lower Upper

101 100

85 46.8 37.8 56.6

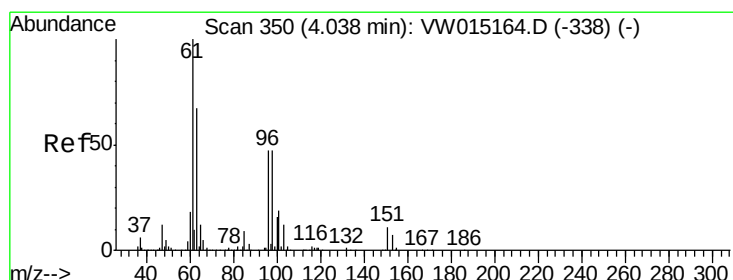
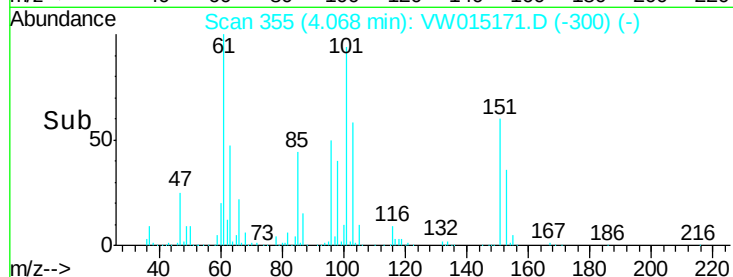
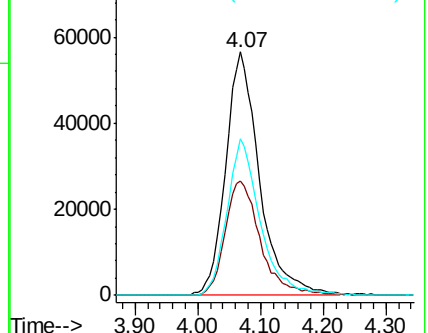
151 61.2 50.2 75.4



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: 25.254 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW015171.D

Acq: 08 Apr 2020 16:36

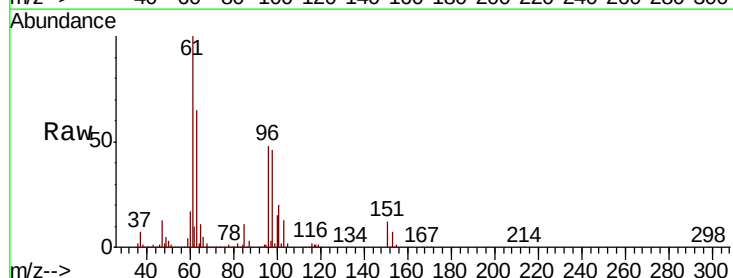
Tgt Ion: 96 Resp: 198561

Ion Ratio Lower Upper

96 100

61 207.5 146.2 271.4

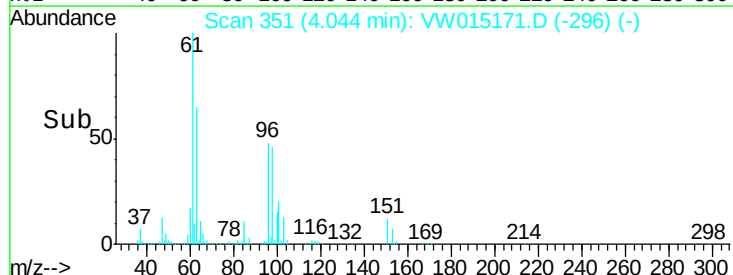
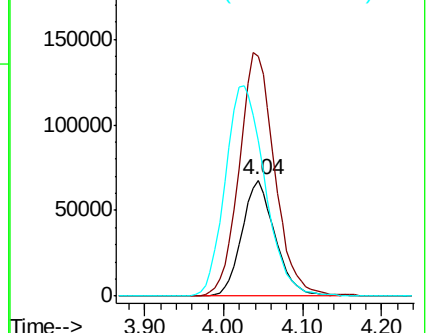
63 134.7 95.0 176.4

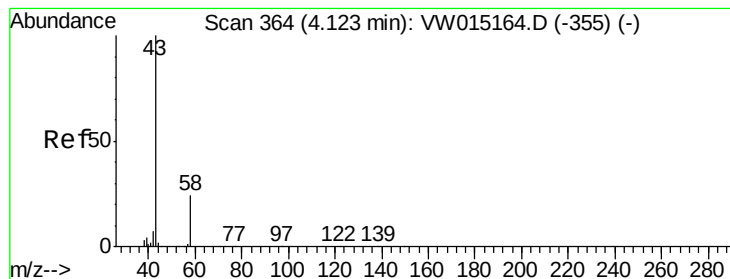


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 52.413 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

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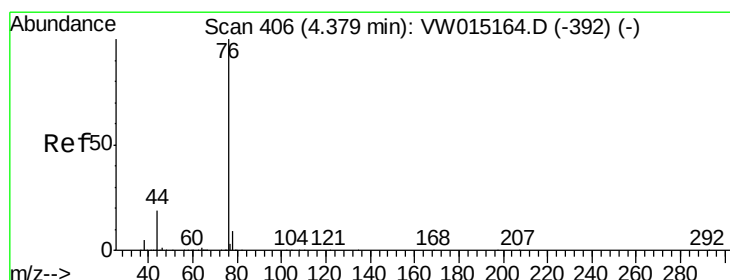
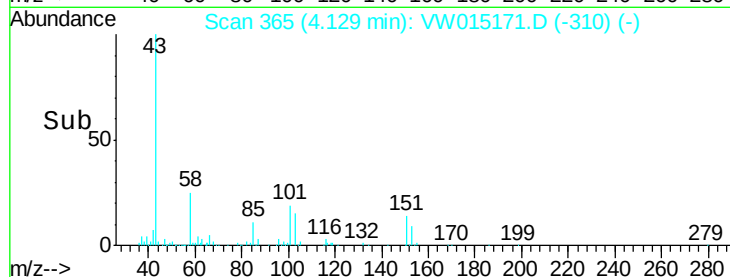
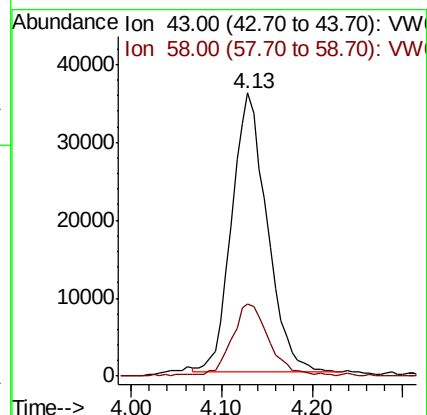
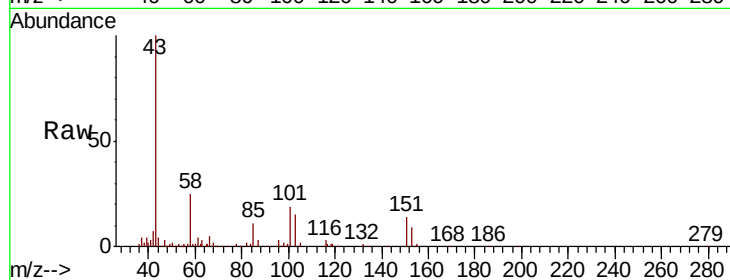
VSTD02524

Tot Ion: 43 Resp: 97613

Ion Ratio Lower Upper

43 100

58 26.1 0.0 54.4



#14

Carbon disulfide

Concen: 22.875 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW015171.D

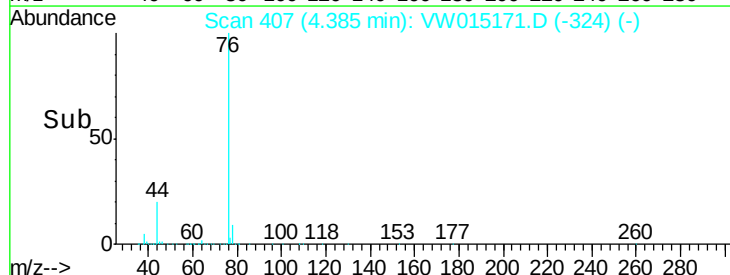
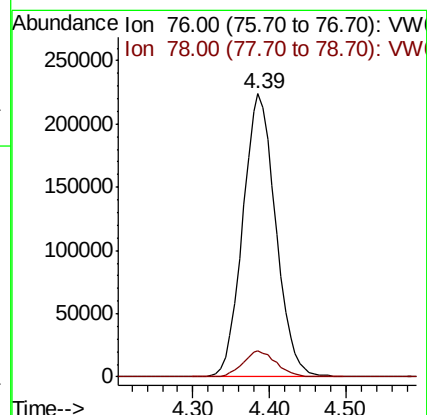
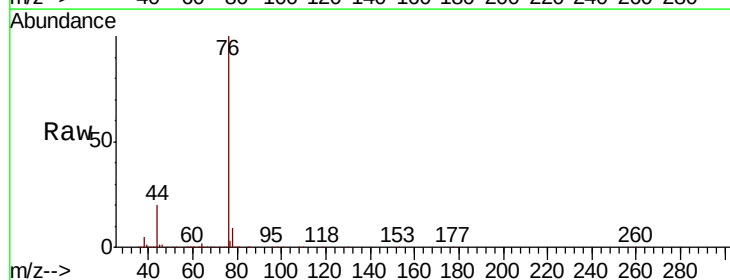
Acq: 08 Apr 2020 16:36

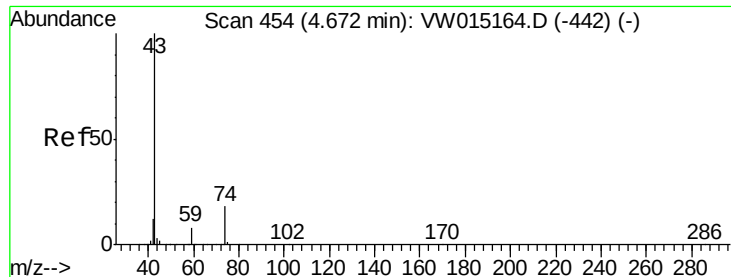
Tgt Ion: 76 Resp: 669043

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

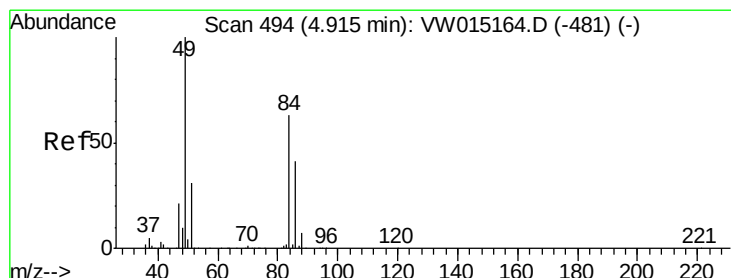
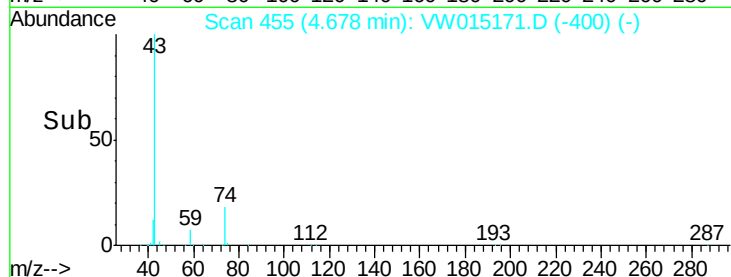
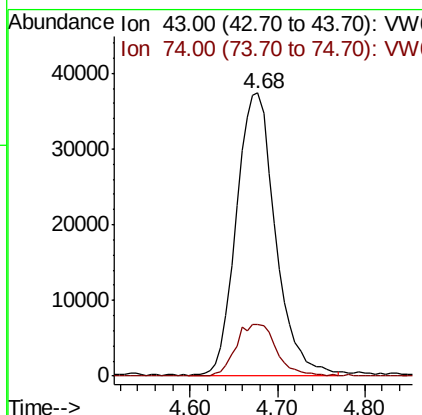
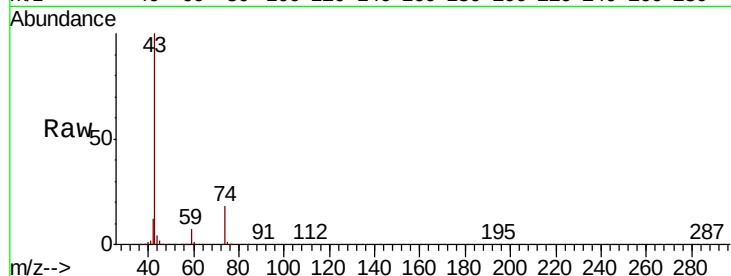




#15
Methvl Acetate
Concen: 26.513 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW015171.D
Acq: 08 Apr 2020 16:36

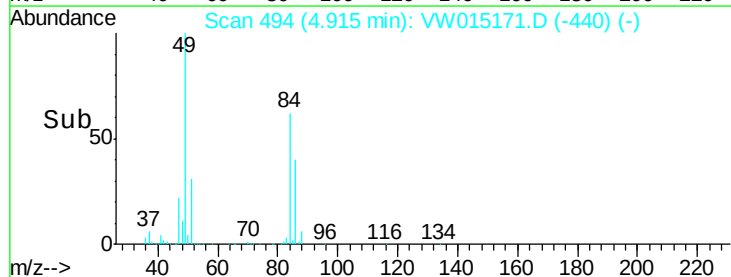
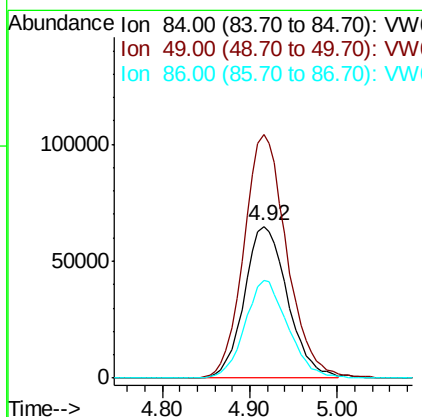
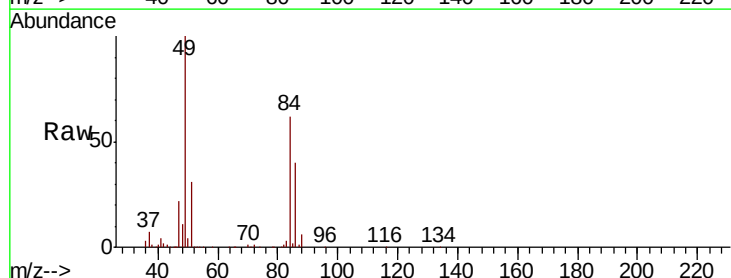
Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

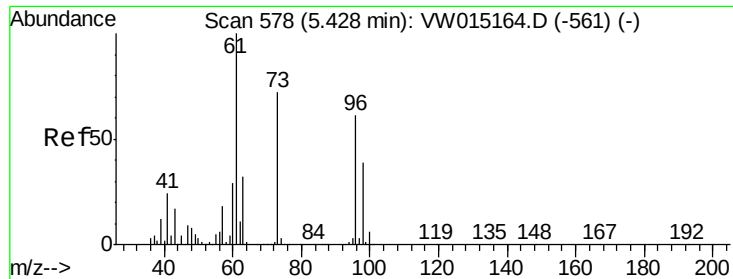
Tot Ion: 43 Resp: 116640
Ion Ratio Lower Upper
43 100
74 6.9 15.5 23.3#



#16
Methylene chloride
Concen: 24.499 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015171.D
Acq: 08 Apr 2020 16:36

Tgt Ion: 84 Resp: 222282
Ion Ratio Lower Upper
84 100
49 160.8 111.7 207.5
86 64.5 44.7 82.9

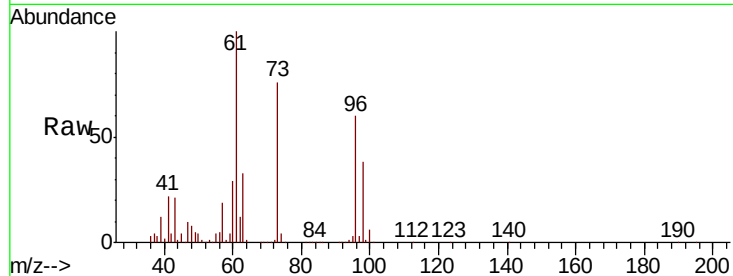




#17
Methvl tert-butvl Ether
Concen: 29.410 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW015171.D
Acq: 08 Apr 2020 16:36

Instrument :
MSVOA_W
ClientSampled :
VSTD02524

Tot Ion	Ratio	Lower	Upper
73	100		
43	26.7	20.2	30.2
57	24.7	19.7	29.5

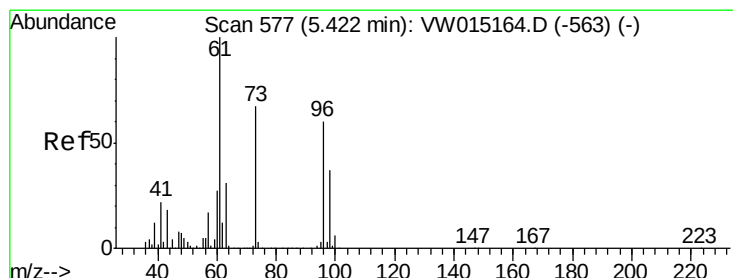
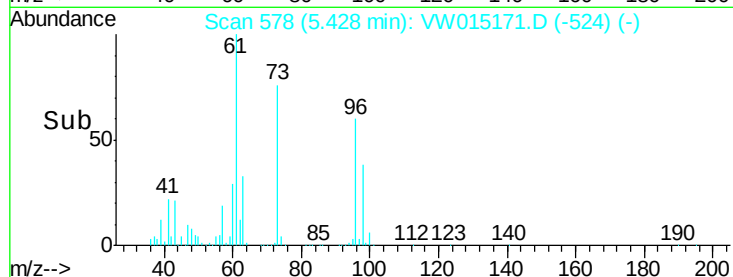
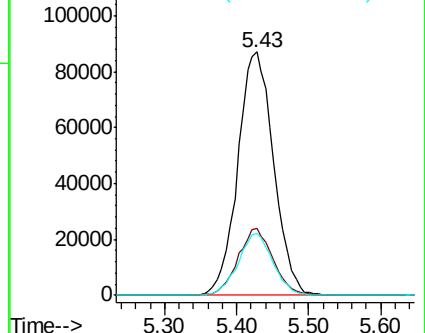


Abundance

Ion 73.00 (72.70 to 73.70): VW

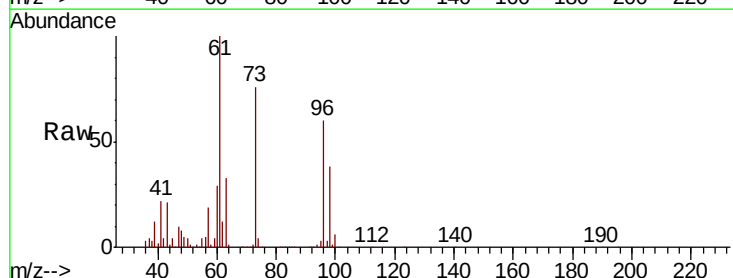
Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW



#18
trans-1,2-Dichloroethene
Concen: 25.322 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW015171.D
Acq: 08 Apr 2020 16:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.2	118.1	219.3
98	63.9	45.8	85.2

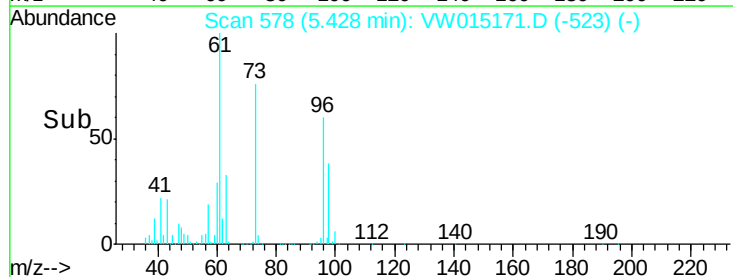
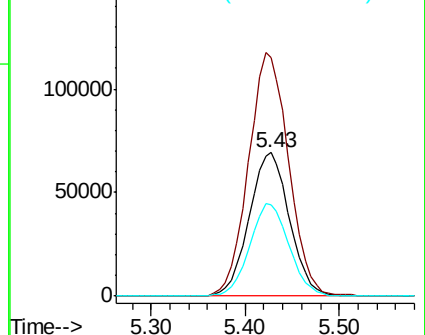


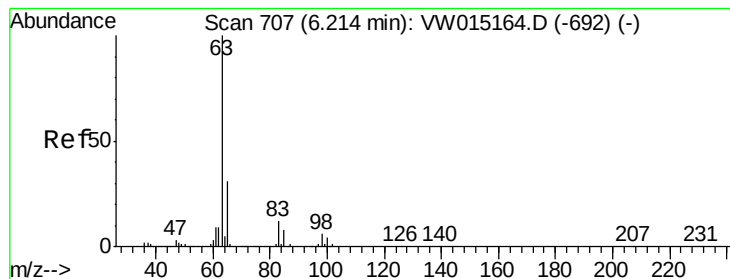
Abundance

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: 25.990 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW015171.D

Acq: 08 Apr 2020 16:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

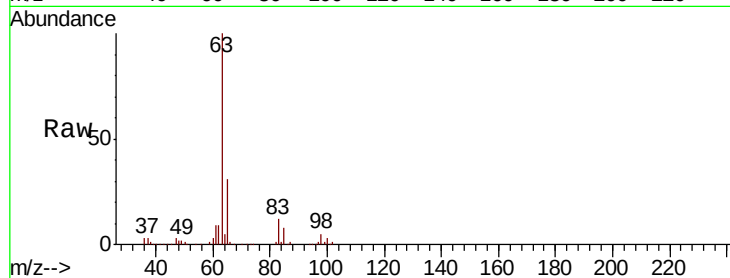
Tot Ion: 63 Resp: 455153

Ion Ratio Lower Upper

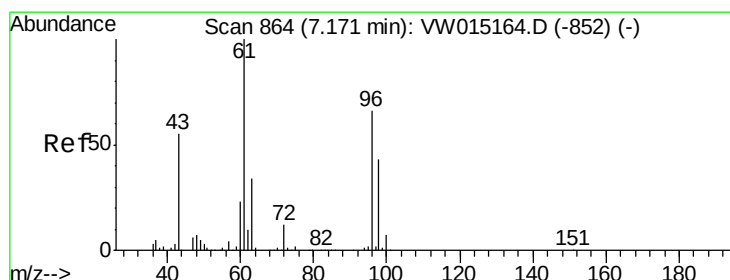
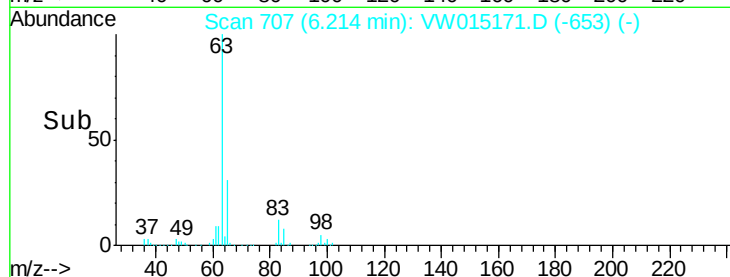
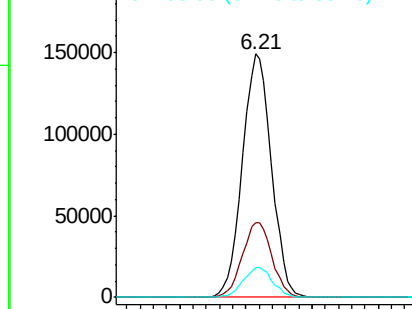
63 100

65 30.6 20.6 38.4

83 12.2 8.1 15.1



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 56.203 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015171.D

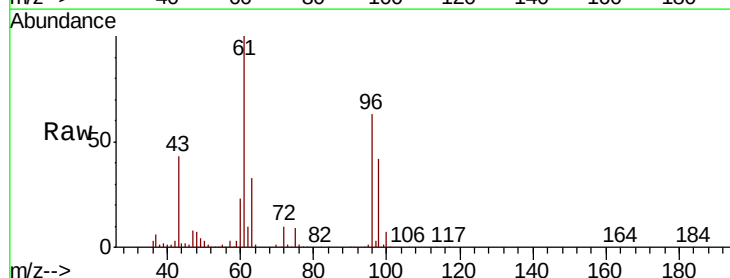
Acq: 08 Apr 2020 16:36

Tgt Ion: 43 Resp: 148251

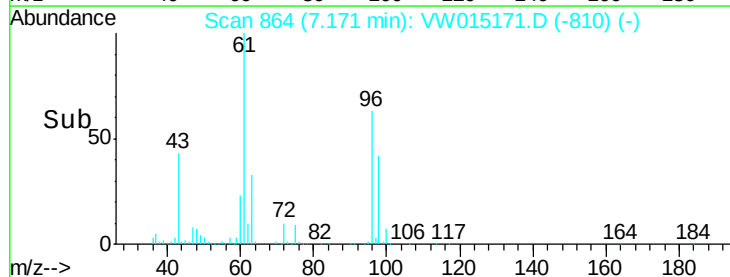
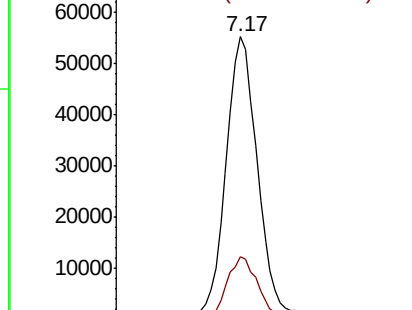
Ion Ratio Lower Upper

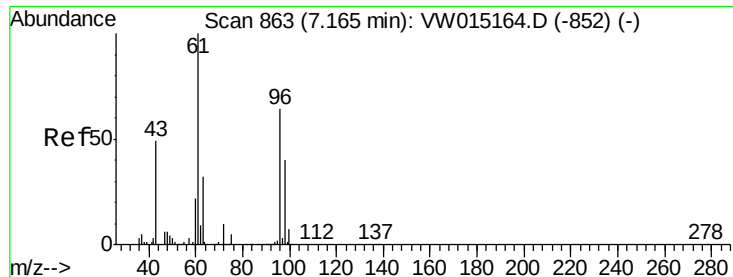
43 100

72 22.8 11.7 35.0



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#22

cis-1,2-Dichloroethene

Concen: 26.796 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW015171.D

Acq: 08 Apr 2020 16:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

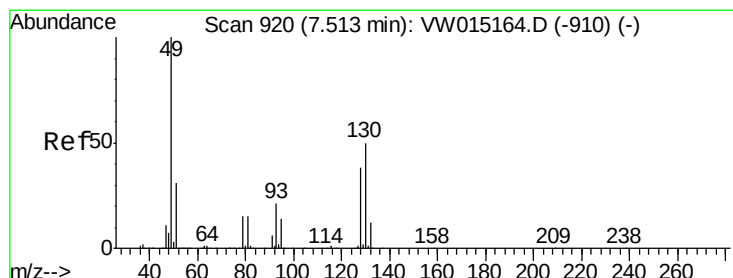
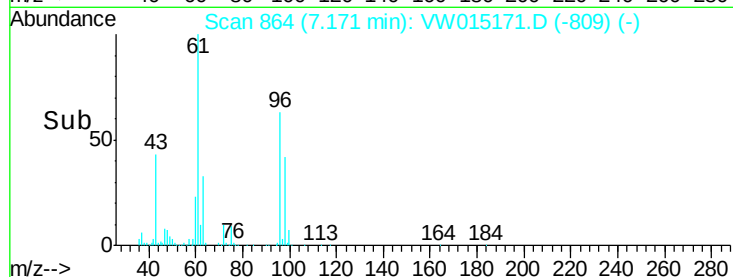
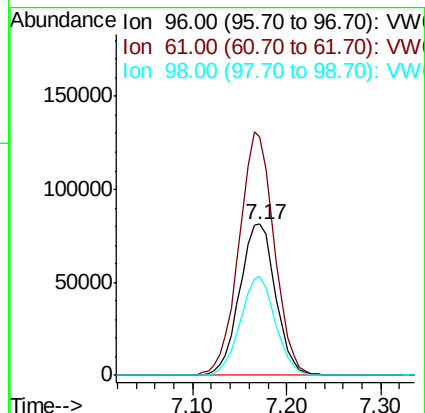
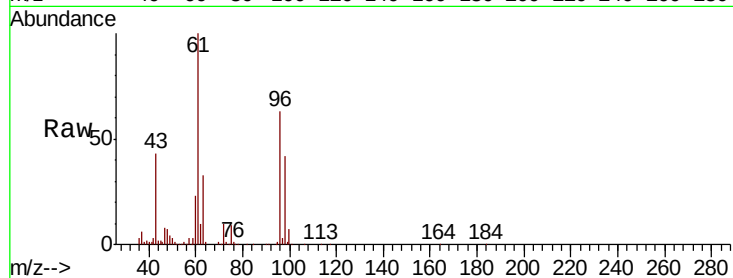
Tot Ion: 96 Resp: 217469

Ion Ratio Lower Upper

96 100

61 157.8 105.6 196.0

98 65.7 43.3 80.5



#23

Bromochloromethane

Concen: 25.936 ug/L

RT: 7.51 min Scan# 920

Delta R.T. 0.00 min

Lab File: VW015171.D

Acq: 08 Apr 2020 16:36

Tgt Ion: 128 Resp: 86417

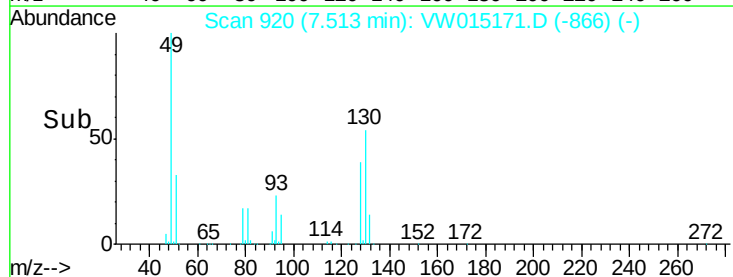
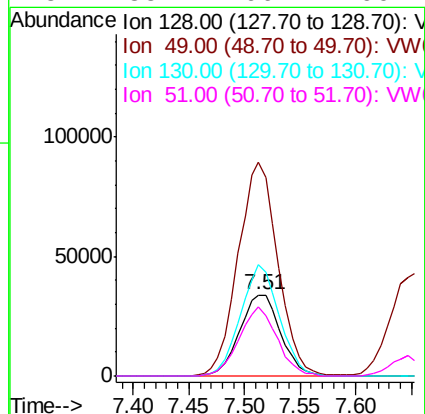
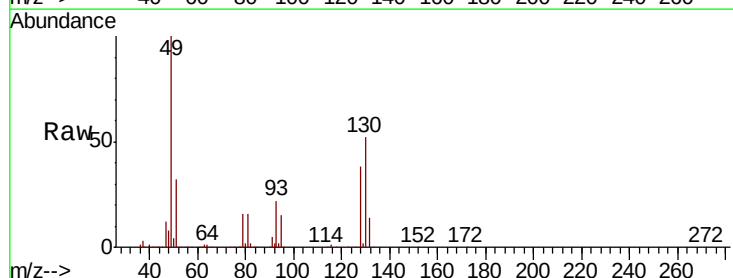
Ion Ratio Lower Upper

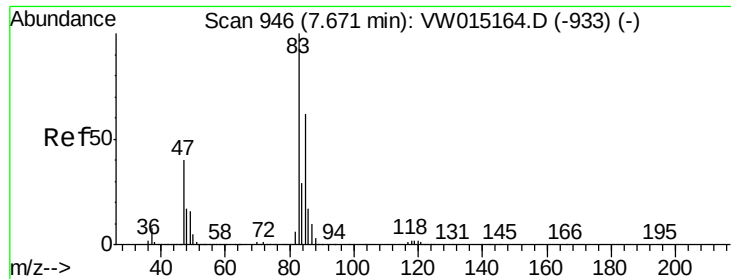
128 100

49 264.6 181.2 336.6

130 137.7 88.4 164.2

51 85.1 66.2 99.4





#25

Chloroform

Concen: 26.397 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW015171.D

Acq: 08 Apr 2020 16:36

Instrument :

MSVOA_W

ClientSampleId :

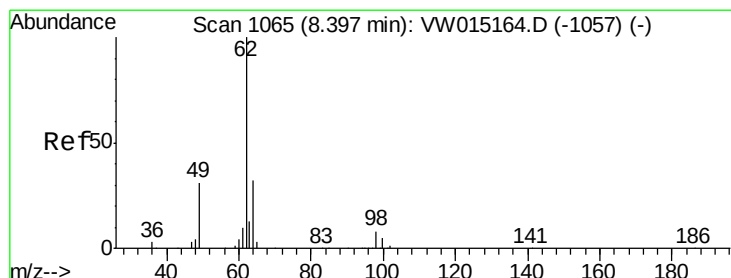
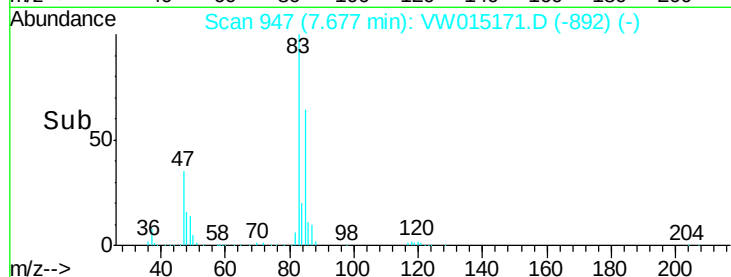
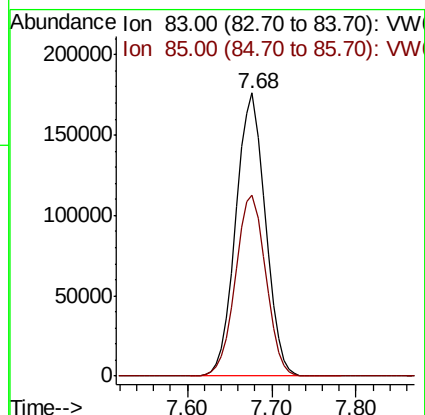
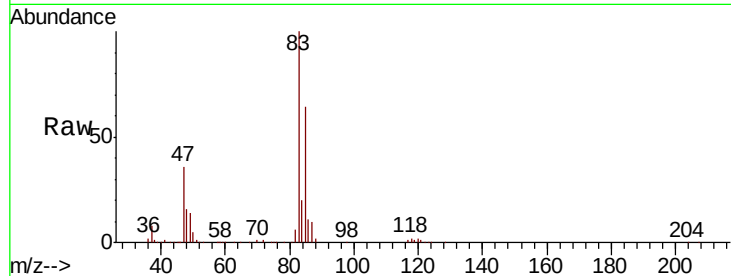
VSTD02524

Tot Ion: 83 Resp: 417612

Ion Ratio Lower Upper

83 100

85 65.6 45.4 84.2



#27

1,2-Dichloroethane

Concen: 27.388 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW015171.D

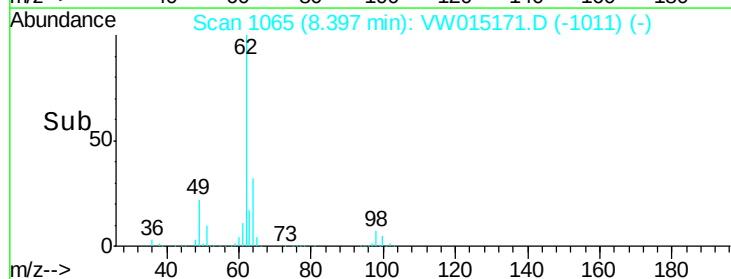
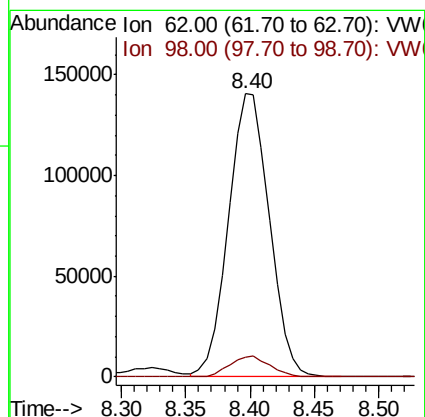
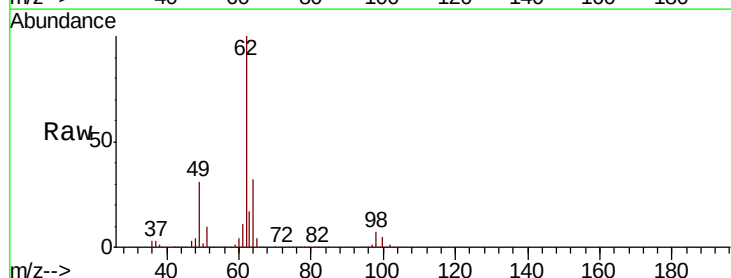
Acq: 08 Apr 2020 16:36

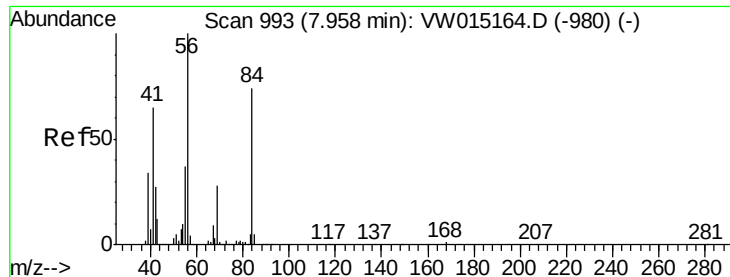
Tgt Ion: 62 Resp: 311177

Ion Ratio Lower Upper

62 100

98 7.2 6.2 9.4





#30

Cyclohexane

Concen: 27.181 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW015171.D

Acq: 08 Apr 2020 16:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

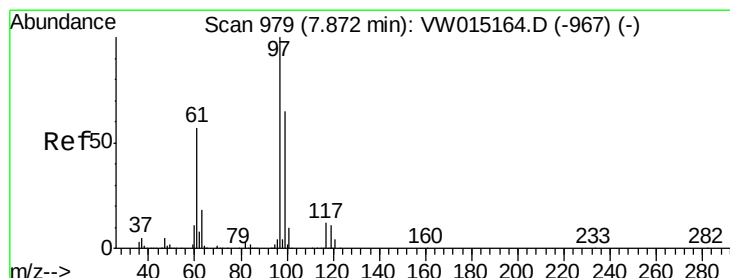
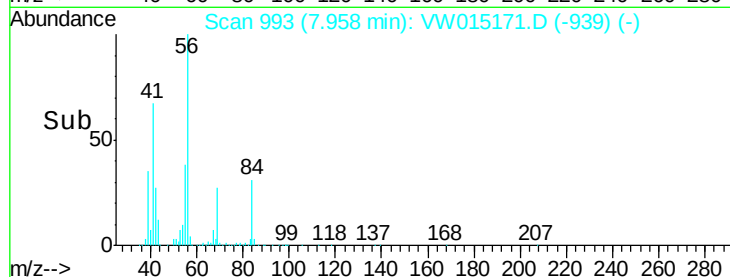
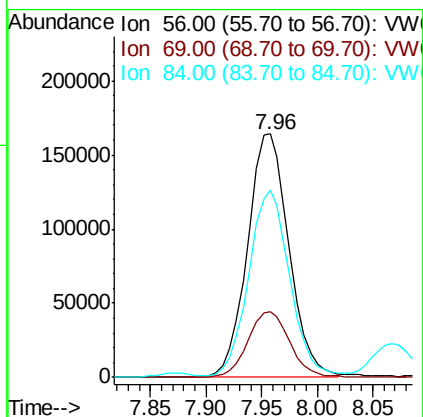
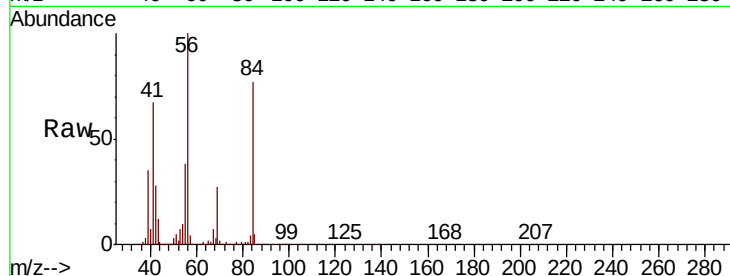
Tot Ion: 56 Resp: 425004

Ion Ratio Lower Upper

56 100

69 27.4 22.0 33.0

84 76.3 58.9 88.3



#31

1,1,1-Trichloroethane

Concen: 26.656 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW015171.D

Acq: 08 Apr 2020 16:36

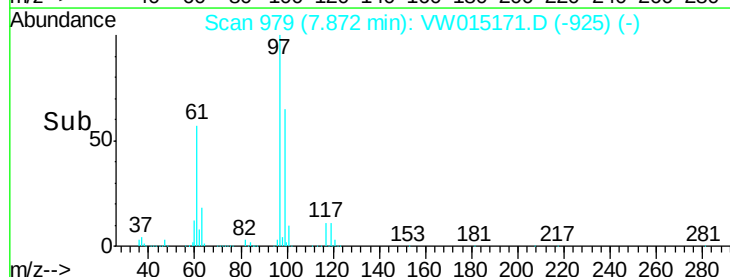
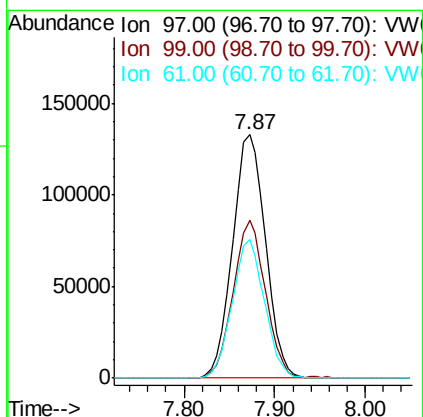
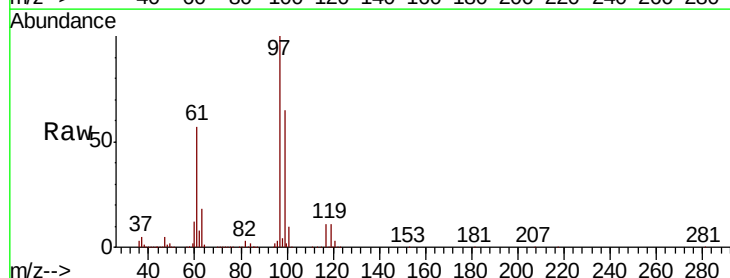
Tgt Ion: 97 Resp: 335600

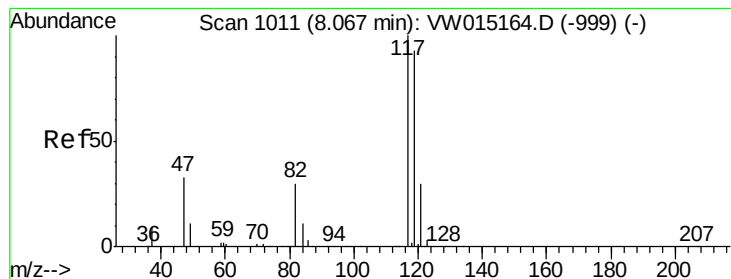
Ion Ratio Lower Upper

97 100

99 63.3 51.0 76.4

61 55.6 44.8 67.2





#32

Carbon tetrachloride

Concen: 26.306 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW015171.D

Acq: 08 Apr 2020 16:36

Instrument :

MSVOA_W

ClientSampled :

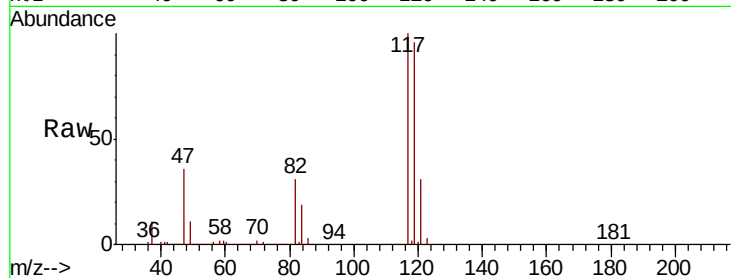
VSTD02524

Tot Ion:117 Resp: 287340

Ion Ratio Lower Upper

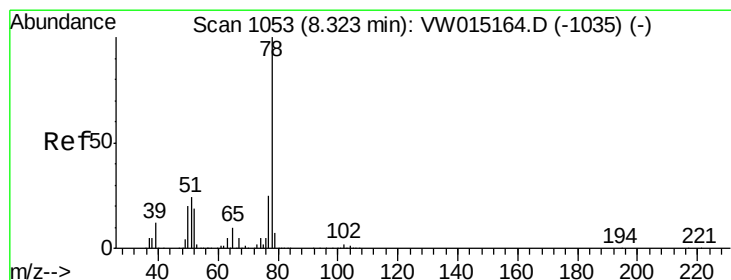
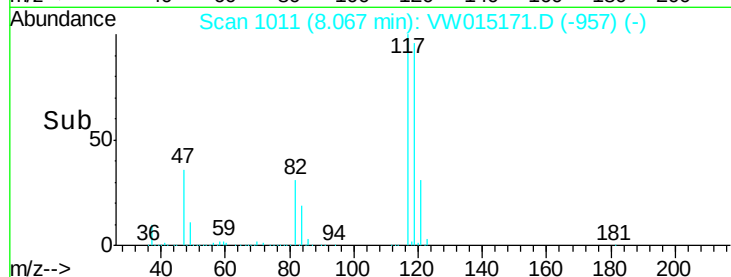
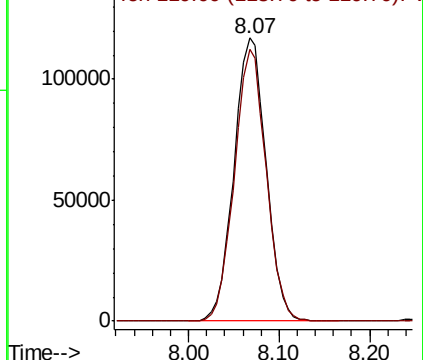
117 100

119 94.8 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.649 ug/L

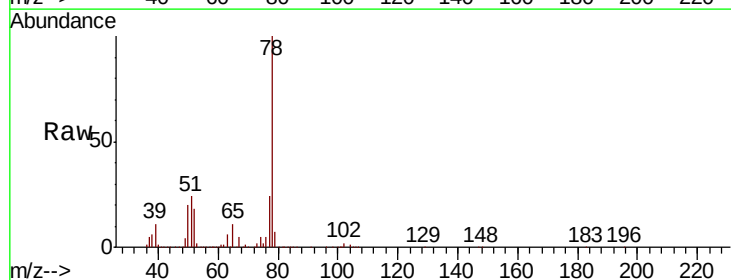
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

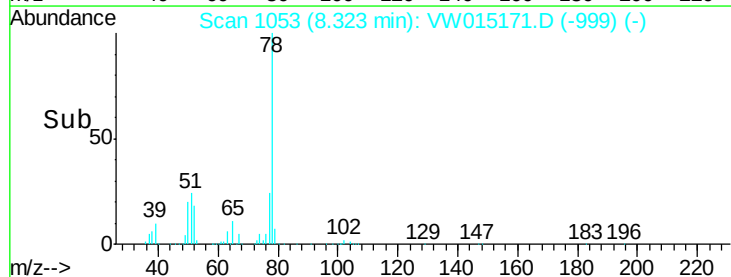
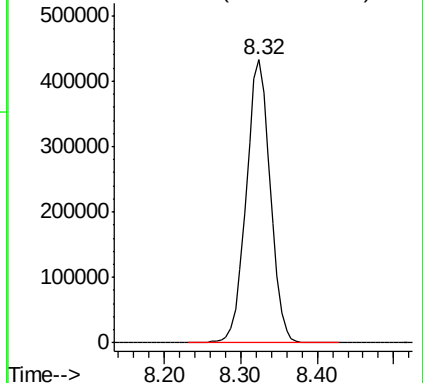
Lab File: VW015171.D

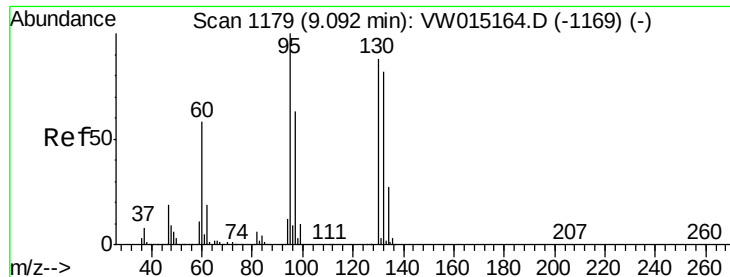
Acq: 08 Apr 2020 16:36

Tgt Ion: 78 Resp: 944769



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 25.790 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015171.D

Acq: 08 Apr 2020 16:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

Tot Ion: 95 Resp: 222576

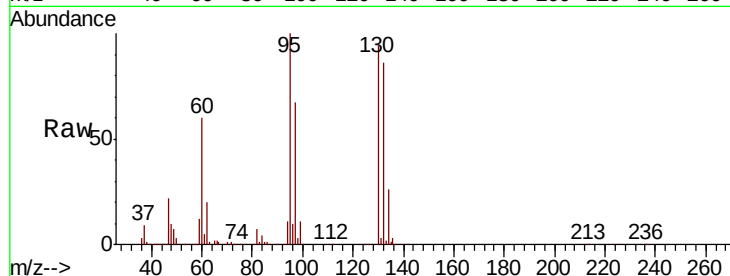
Ion Ratio Lower Upper

95 100

97 64.6 43.7 81.1

132 84.9 58.7 109.1

130 90.0 61.3 113.9

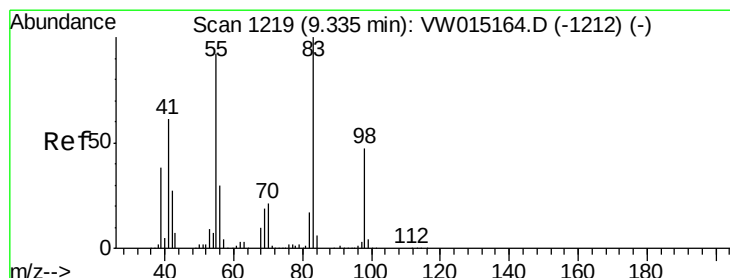
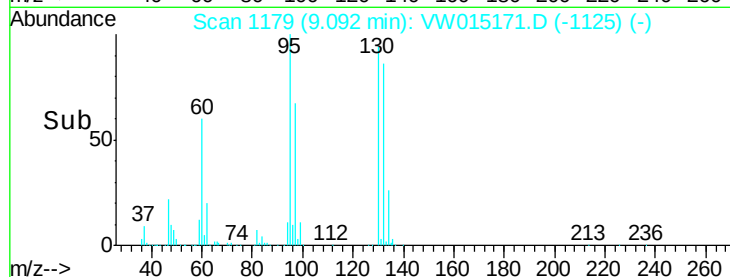
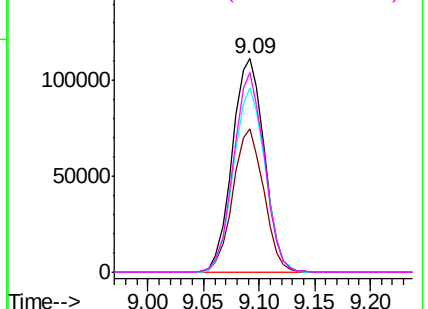


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 27.161 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW015171.D

Acq: 08 Apr 2020 16:36

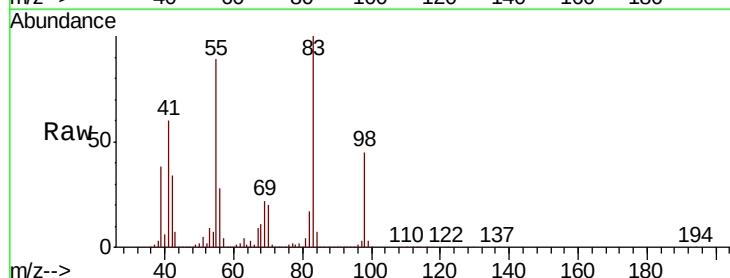
Tgt Ion: 83 Resp: 402712

Ion Ratio Lower Upper

83 100

55 91.2 73.4 110.2

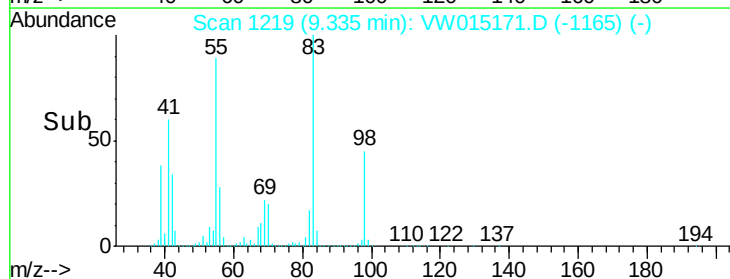
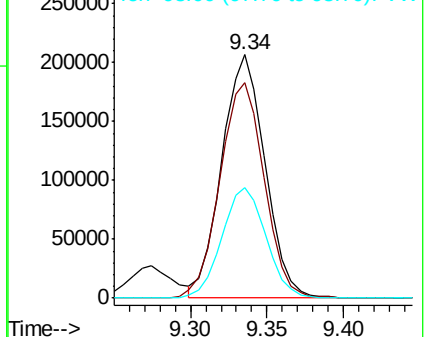
98 46.6 36.6 55.0

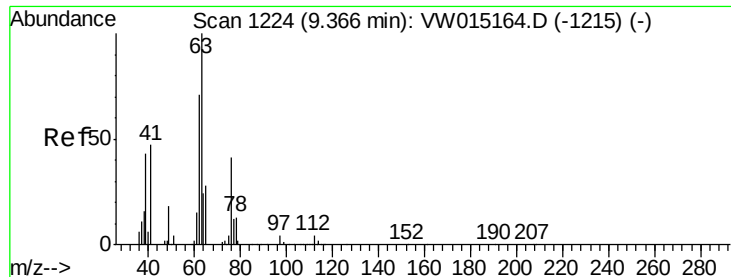


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 26.450 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW015171.D

Acq: 08 Apr 2020 16:36

Instrument :

MSVOA_W

ClientSampled :

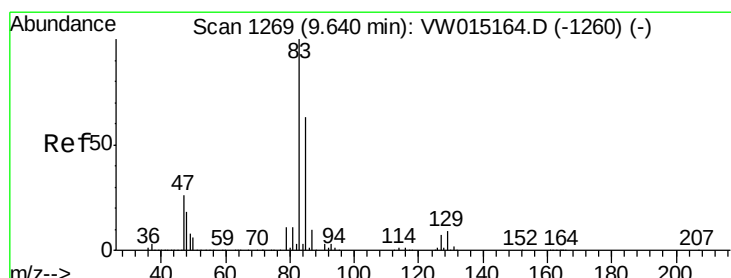
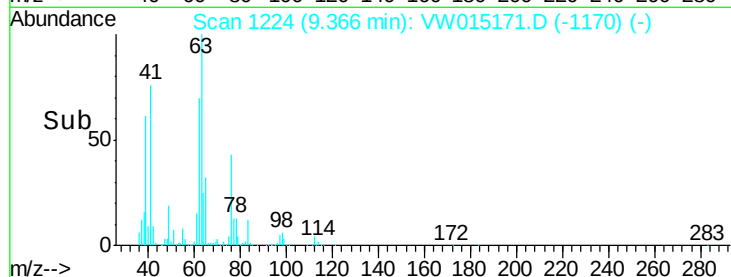
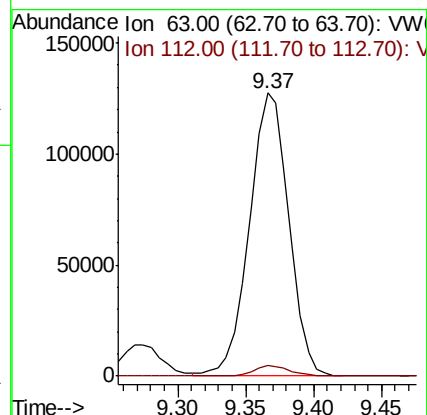
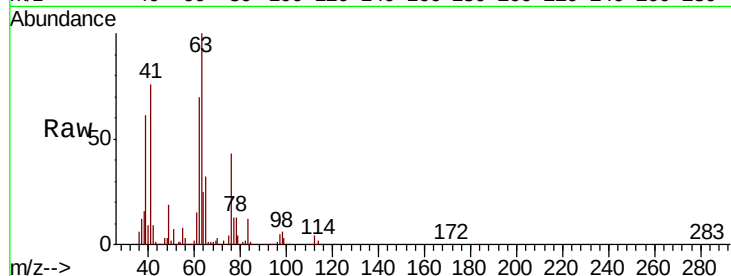
VSTD02524

Tot Ion: 63 Resp: 258601

Ion Ratio Lower Upper

63 100

112 3.5 2.9 4.3



#41

Bromodichloromethane

Concen: 26.972 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW015171.D

Acq: 08 Apr 2020 16:36

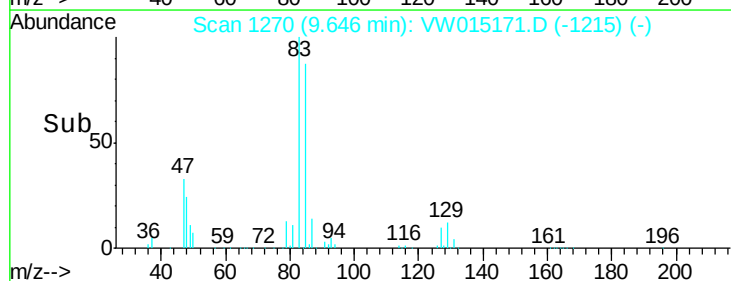
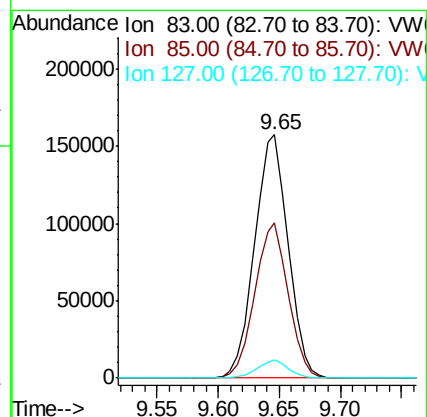
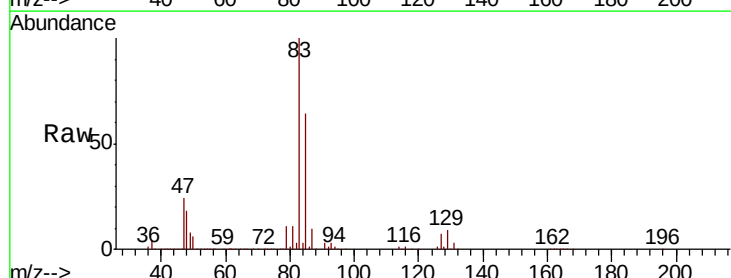
Tgt Ion: 83 Resp: 300033

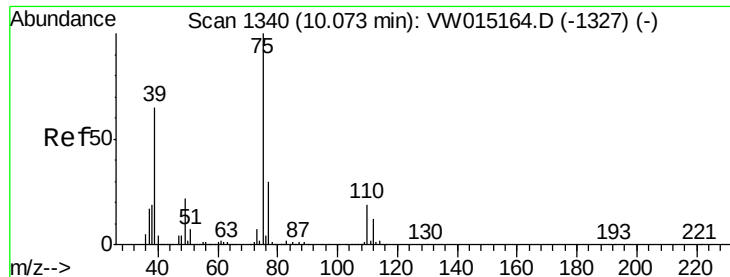
Ion Ratio Lower Upper

83 100

85 63.6 44.1 81.9

127 7.4 5.5 8.3





#42

cis-1,3-Dichloropropene

Concen: 27.702 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015171.D

Acq: 08 Apr 2020 16:36

Instrument :

MSVOA_W

ClientSampleId :

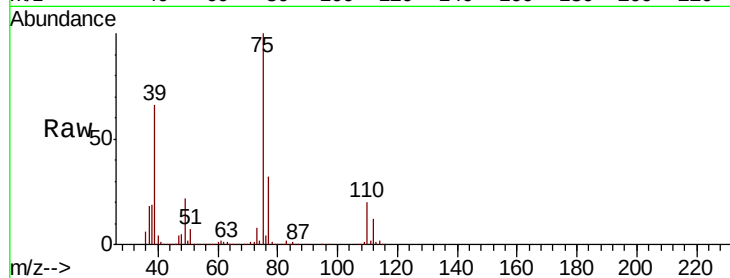
VSTD02524

Tot Ion: 75 Resp: 355864

Ion Ratio Lower Upper

75 100

77 32.1 21.4 39.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

200000

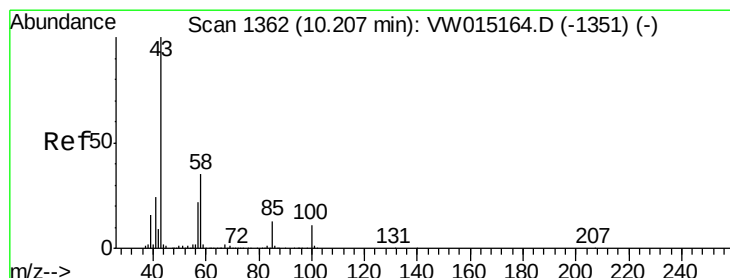
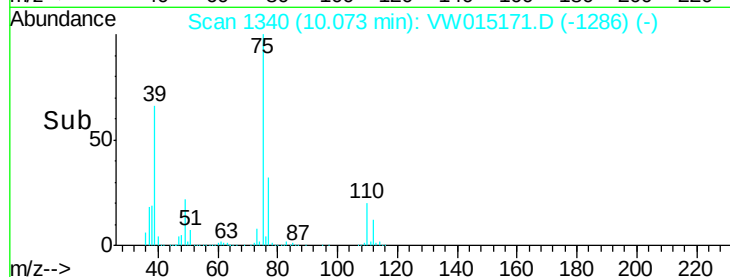
150000

100000

50000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 63.701 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015171.D

Acq: 08 Apr 2020 16:36

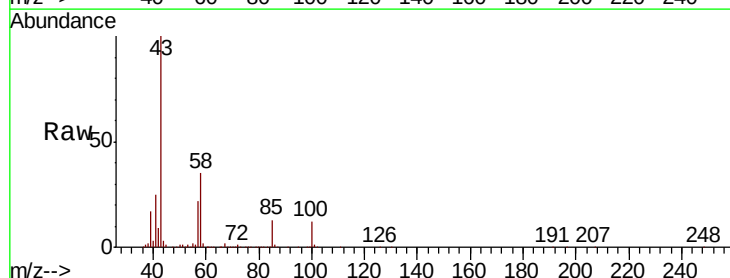
Tgt Ion: 43 Resp: 352368

Ion Ratio Lower Upper

43 100

58 35.1 27.9 41.9

100 11.3 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

300000

250000

200000

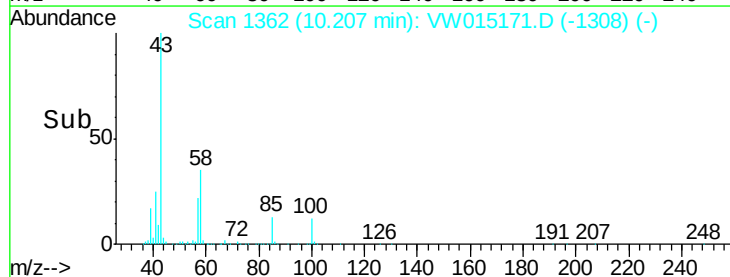
150000

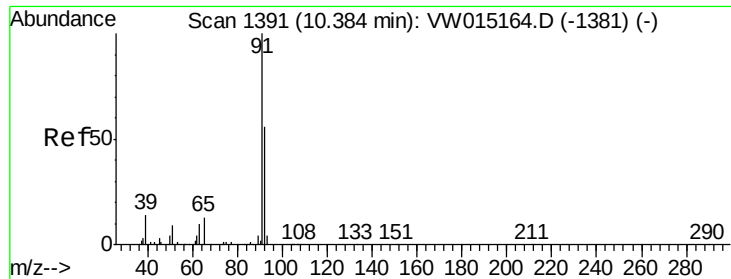
100000

50000

0

Time-->





#44

Toluene

Concen: 27.372 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW015171.D

Acq: 08 Apr 2020 16:36

Instrument :

MSVOA_W

ClientSampleId :

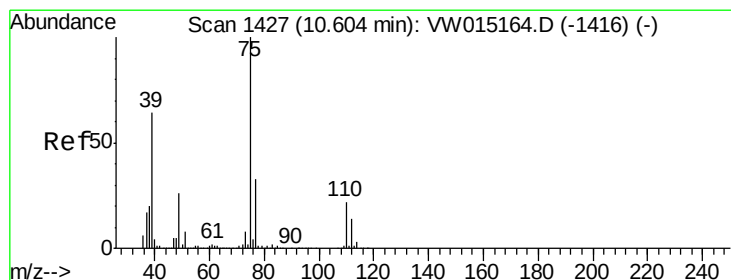
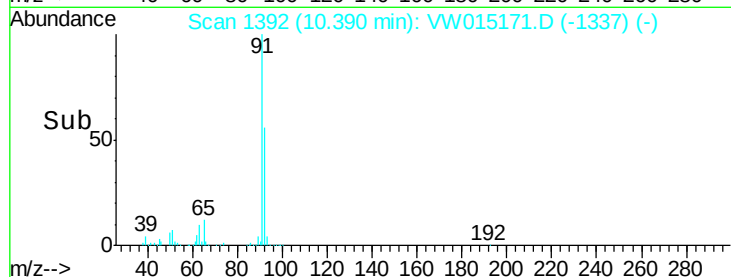
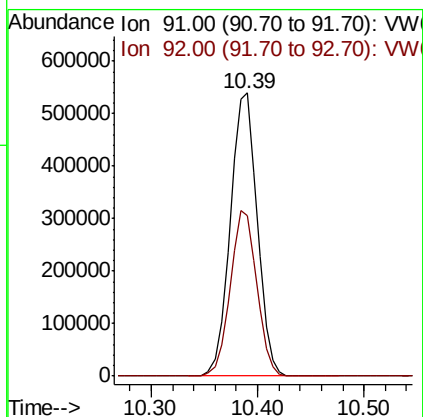
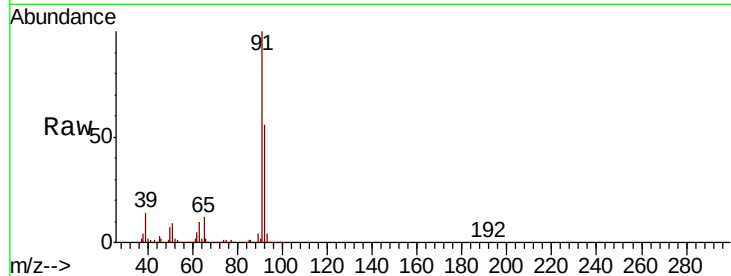
VSTD02524

Tot Ion: 91 Resp: 959582

Ion Ratio Lower Upper

91 100

92 56.5 40.2 74.6



#45

trans-1,3-Dichloropropene

Concen: 28.029 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015171.D

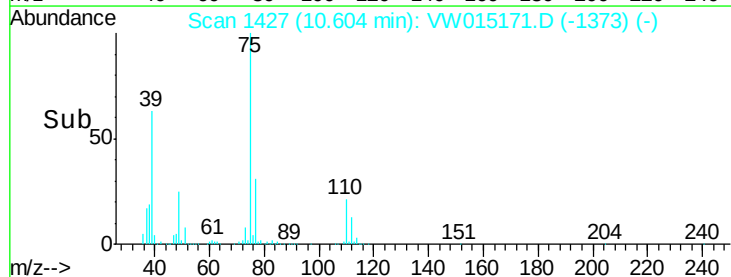
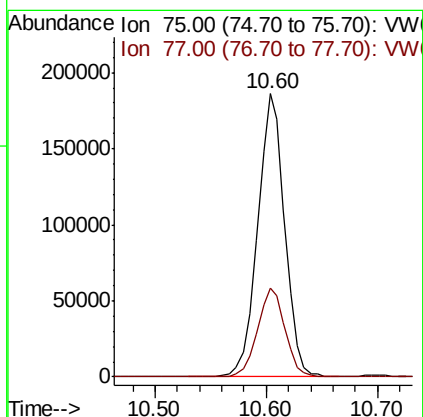
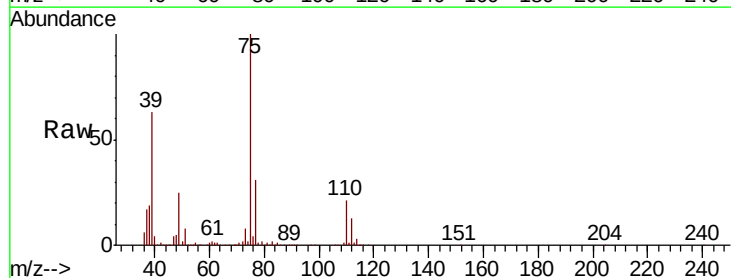
Acq: 08 Apr 2020 16:36

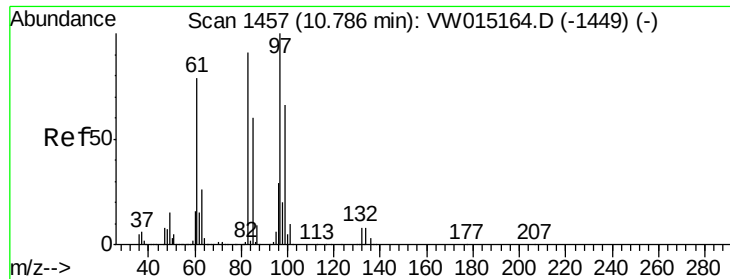
Tgt Ion: 75 Resp: 314848

Ion Ratio Lower Upper

75 100

77 31.2 21.8 40.4

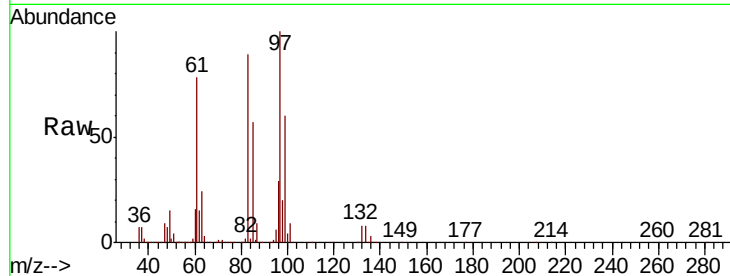




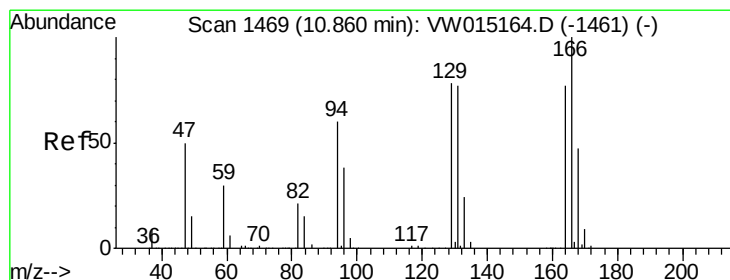
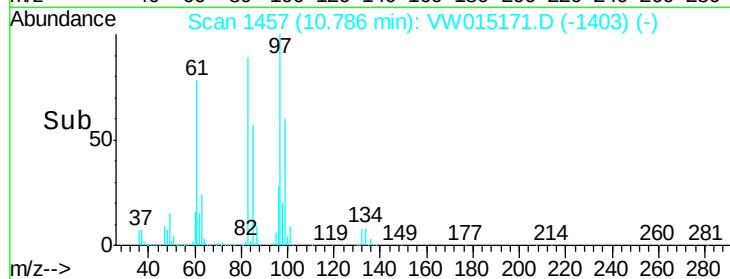
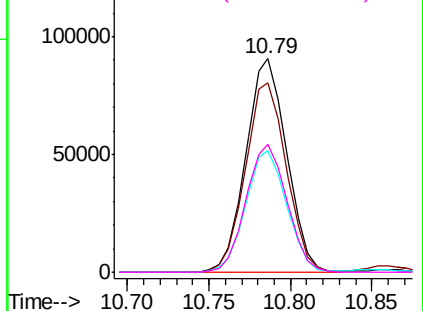
#46
 1,1,2-Trichloroethane
 Concen: 27.502 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015171.D
 Acq: 08 Apr 2020 16:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

Tot Ion:	97	Resp:	158063
Ion	Ratio	Lower	Upper
97	100		
83	88.6	64.8	120.4
85	57.2	40.9	75.9
99	59.9	43.8	81.4

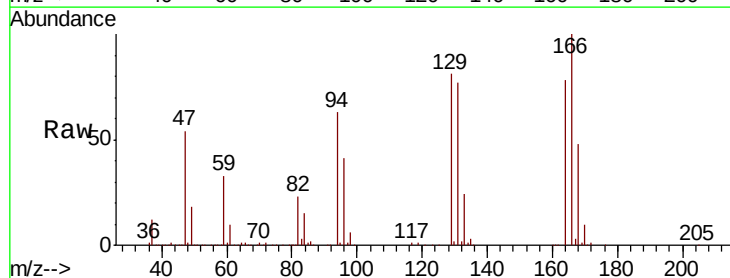


Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW

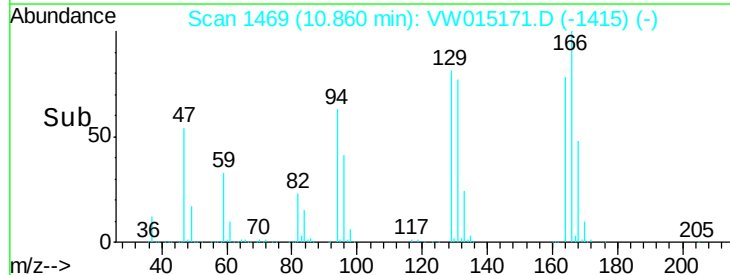
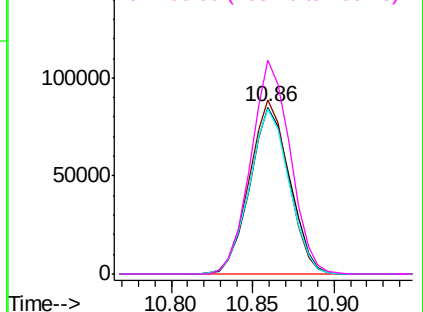


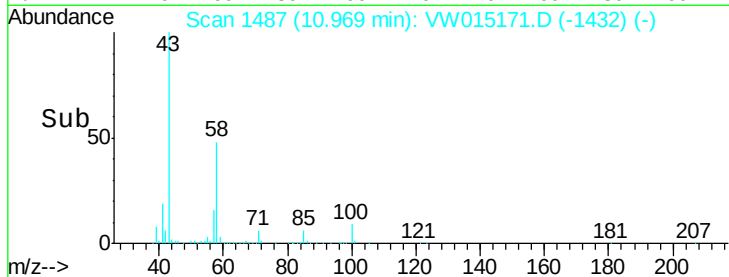
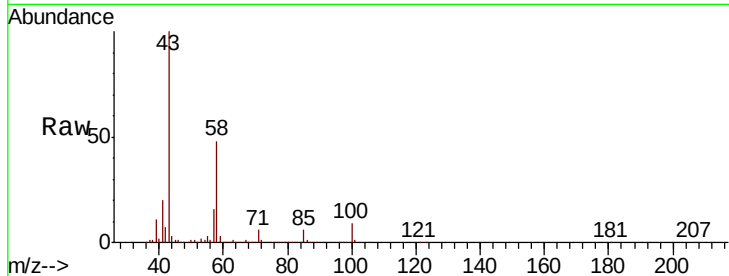
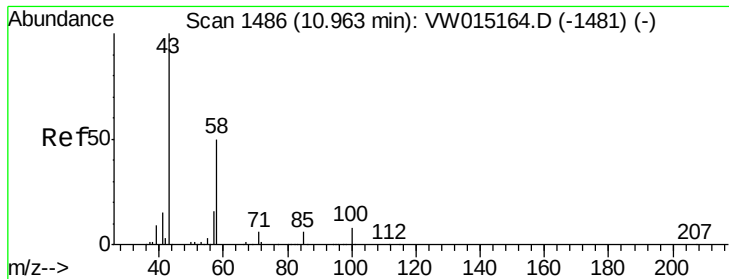
#47
 Tetrachloroethene
 Concen: 25.974 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VW015171.D
 Acq: 08 Apr 2020 16:36

Tgt Ion:	164	Resp:	144670
Ion	Ratio	Lower	Upper
164	100		
129	104.3	73.2	136.0
131	99.3	69.4	128.8
166	128.2	89.5	166.3



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: 60.815 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VW015171.D

Acq: 08 Apr 2020 16:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

Tot Ion: 43 Resp: 224356

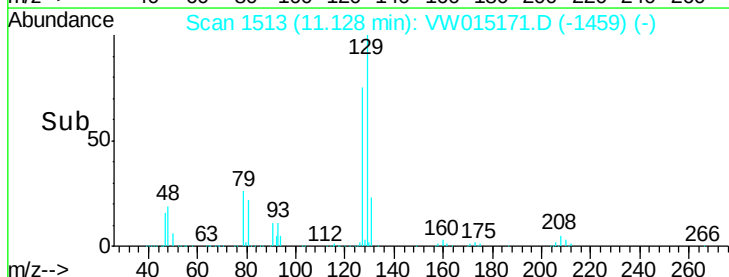
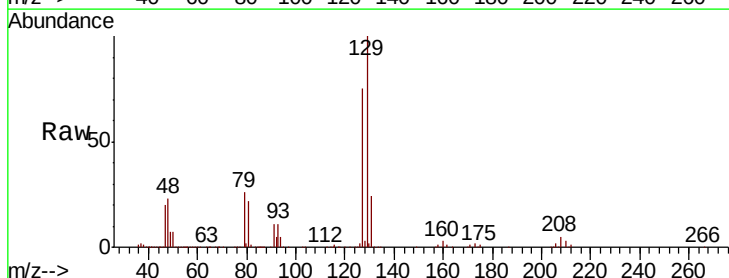
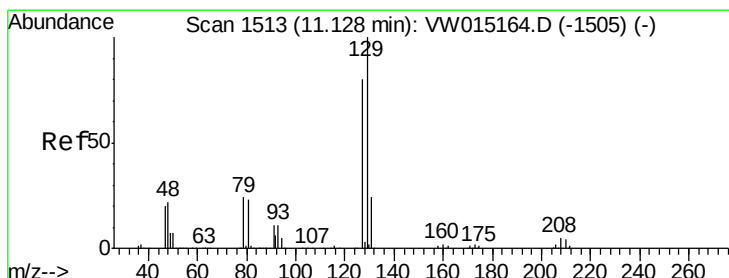
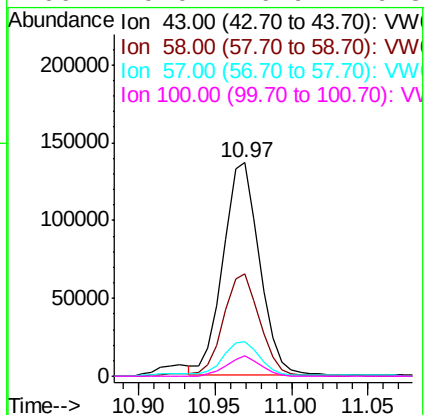
Ion Ratio Lower Upper

43 100

58 48.7 38.5 57.7

57 16.0 12.9 19.3

100 9.0 6.9 10.3



#50

Dibromochloromethane

Concen: 27.249 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW015171.D

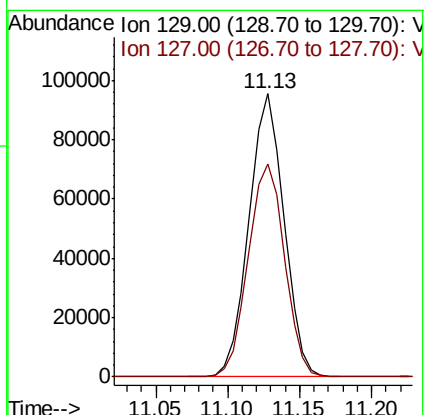
Acq: 08 Apr 2020 16:36

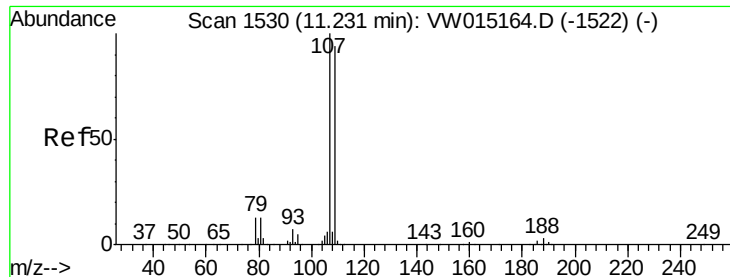
Tgt Ion: 129 Resp: 161008

Ion Ratio Lower Upper

129 100

127 75.2 55.1 102.3

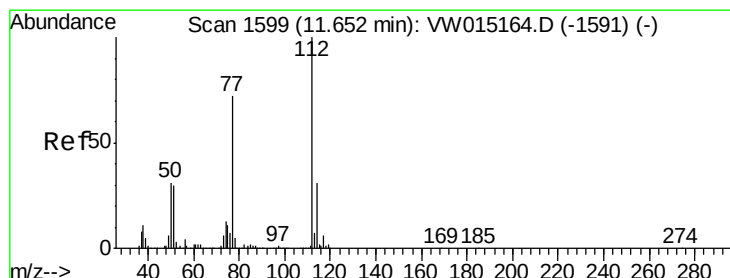
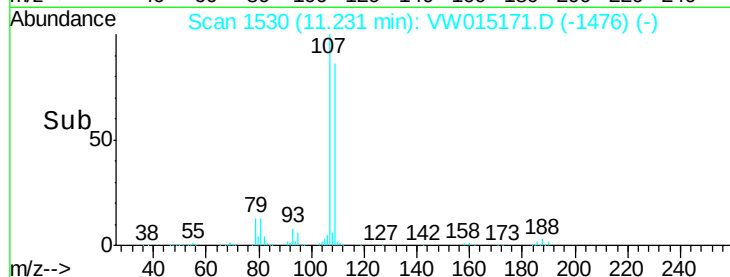
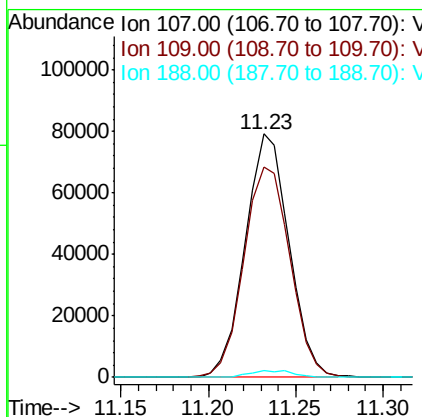
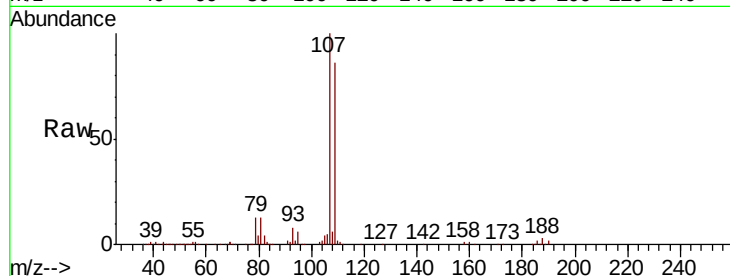




#51
 1,2-Dibromoethane
 Concen: 27.081 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW015171.D
 Acq: 08 Apr 2020 16:36

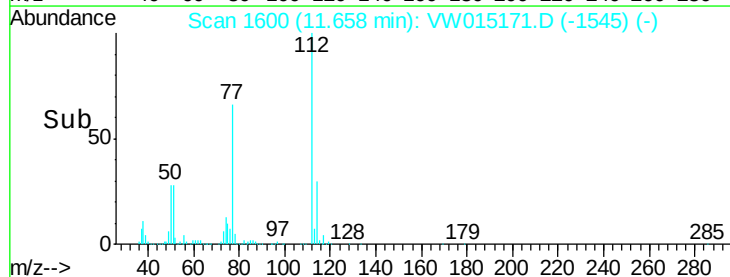
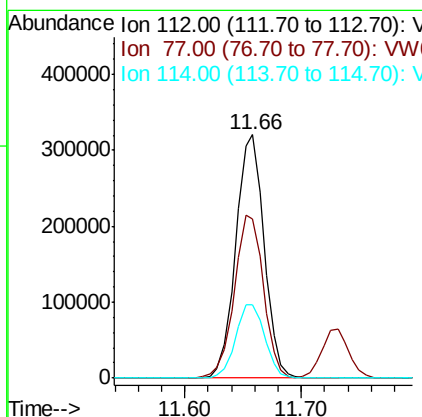
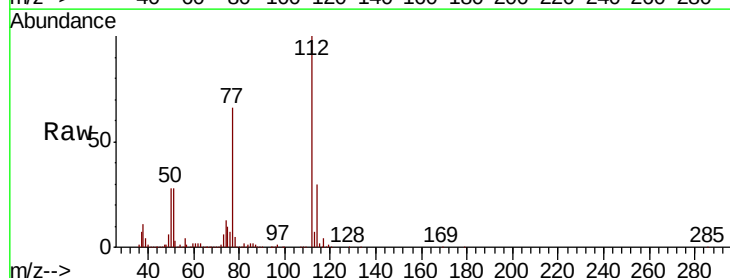
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

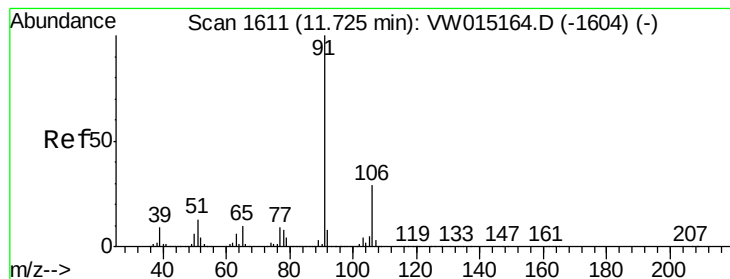
Tot Ion	Ratio	Lower	Upper
107	100		
109	86.2	65.9	122.5
188	3.1	2.3	3.5



#52
 Chlorobenzene
 Concen: 26.523 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.01 min
 Lab File: VW015171.D
 Acq: 08 Apr 2020 16:36

Tgt Ion	Ratio	Lower	Upper
112	100		
77	65.6	53.5	80.3
114	30.2	22.0	40.8





#53

Ethylbenzene

Concen: 28.237 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.01 min

Lab File: VW015171.D

Acq: 08 Apr 2020 16:36

Instrument :

MSVOA_W

ClientSampleId :

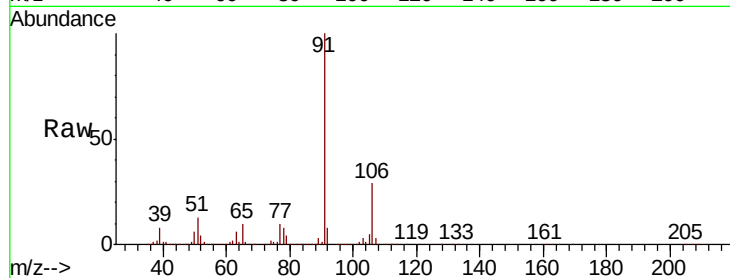
VSTD02524

Tot Ion: 91 Resp: 1069216

Ion Ratio Lower Upper

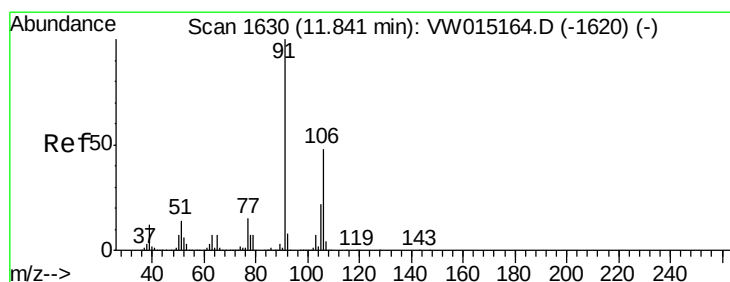
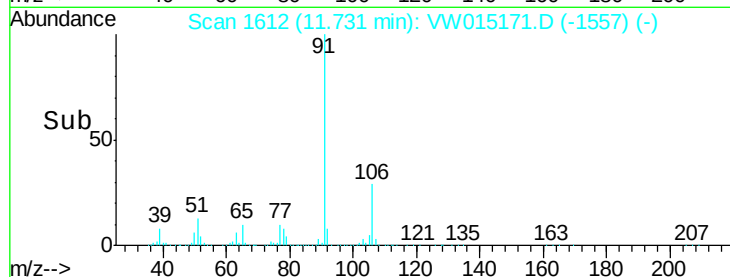
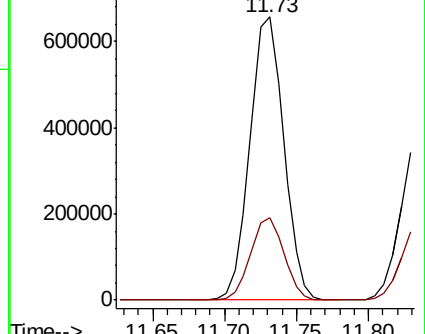
91 100

106 29.2 20.6 38.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 28.740 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW015171.D

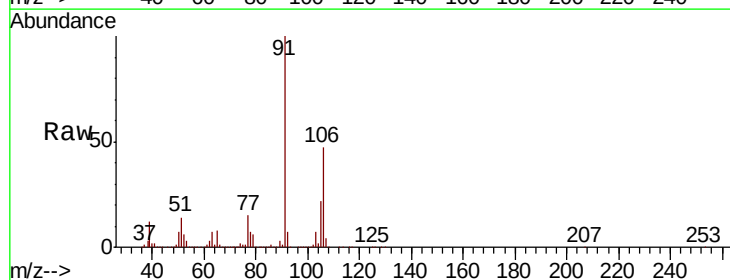
Acq: 08 Apr 2020 16:36

Tgt Ion: 106 Resp: 381523

Ion Ratio Lower Upper

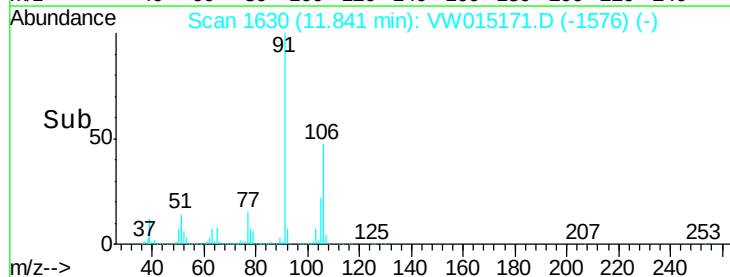
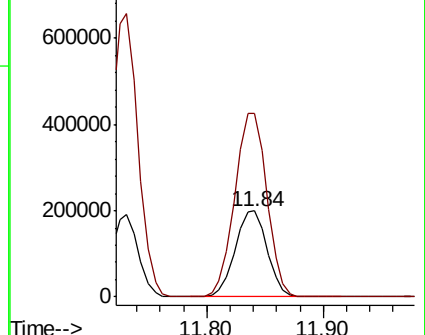
106 100

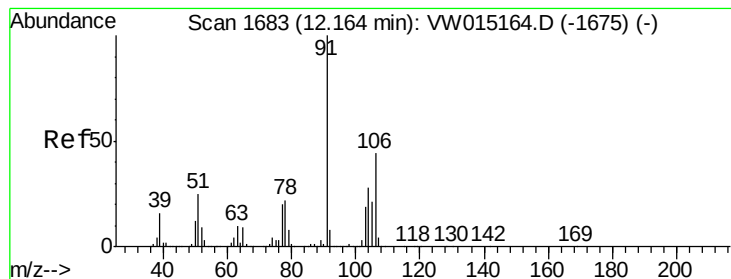
91 214.9 147.3 273.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

o-xylene

Concen: 28.757 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW015171.D

Acq: 08 Apr 2020 16:36

Instrument :

MSVOA_W

ClientSampleId :

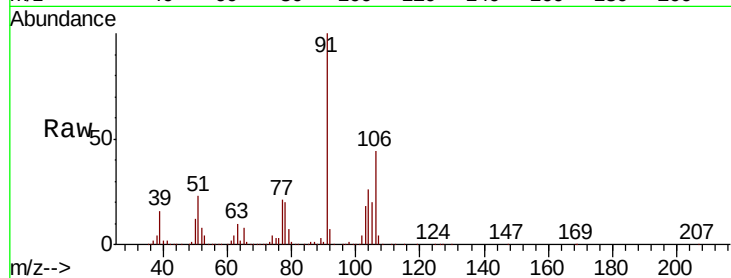
VSTD02524

Tot Ion:106 Resp: 357878

Ion Ratio Lower Upper

106 100

91 229.2 158.6 294.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

600000

500000

400000

300000

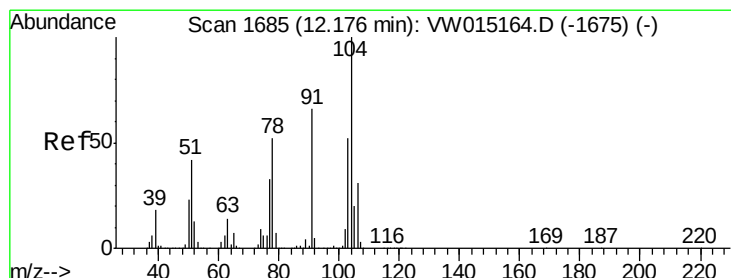
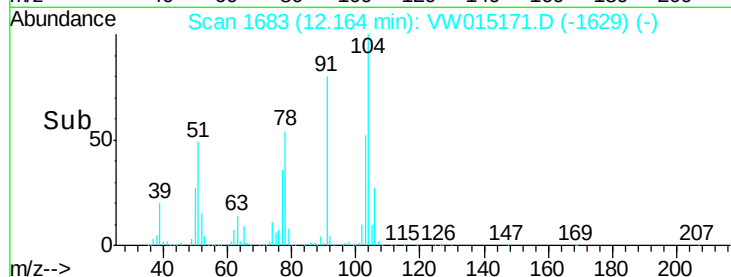
200000

100000

0

12.10 12.15 12.20

Time-->



#56

Styrene

Concen: 28.919 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW015171.D

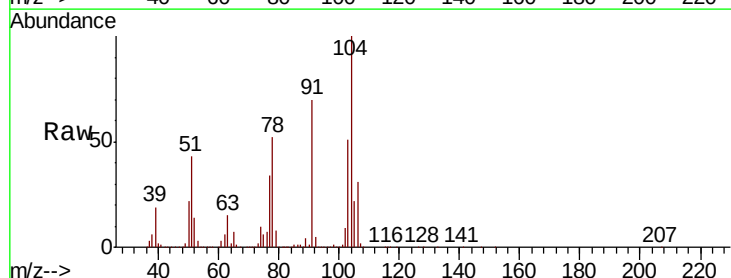
Acq: 08 Apr 2020 16:36

Tgt Ion:104 Resp: 612519

Ion Ratio Lower Upper

104 100

78 52.3 33.9 63.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

400000

300000

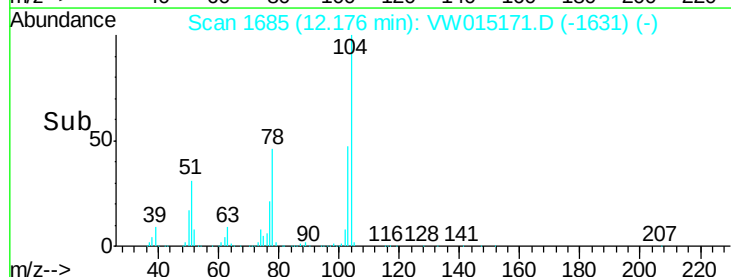
200000

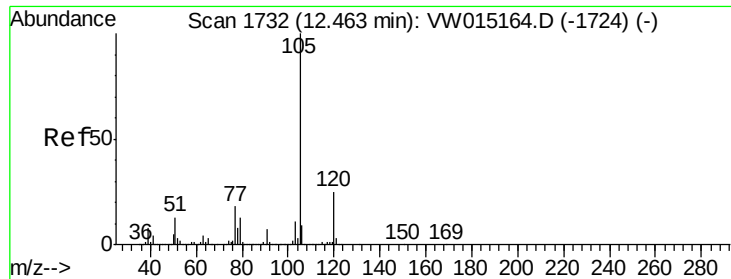
100000

0

12.10 12.20

Time-->





#57

Isopropylbenzene

Concen: 29.227 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015171.D

Acq: 08 Apr 2020 16:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

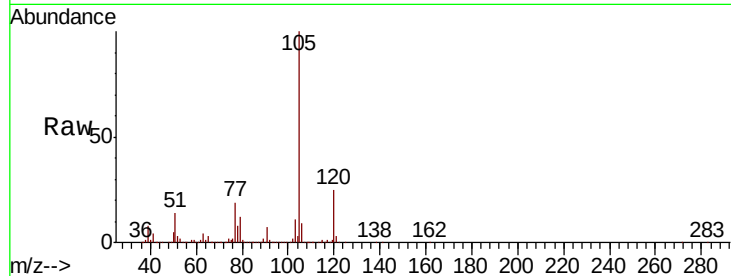
Tot Ion:105 Resp: 1002145

Ion Ratio Lower Upper

105 100

120 25.1 20.0 30.0

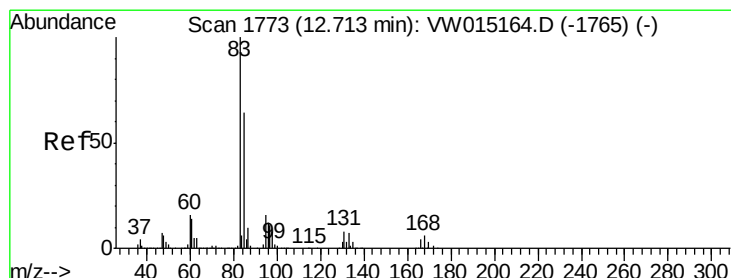
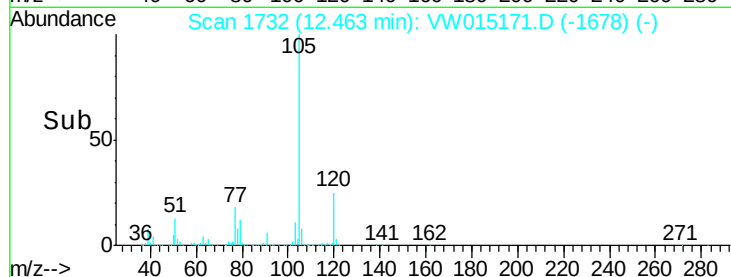
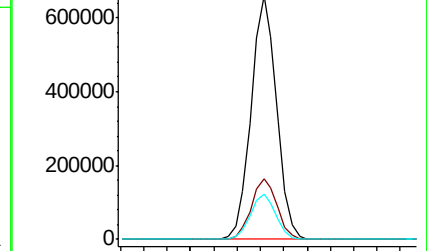
77 18.6 14.5 21.7



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: 26.911 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015171.D

Acq: 08 Apr 2020 16:36

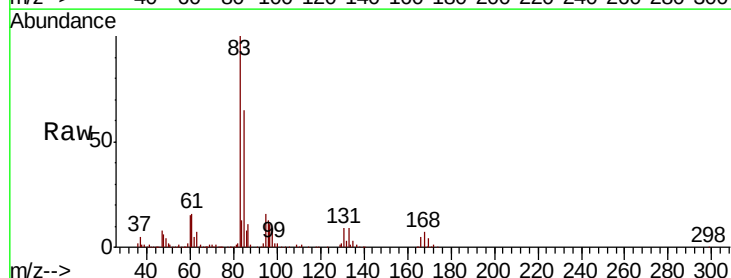
Tgt Ion: 83 Resp: 193580

Ion Ratio Lower Upper

83 100

85 64.7 44.1 81.9

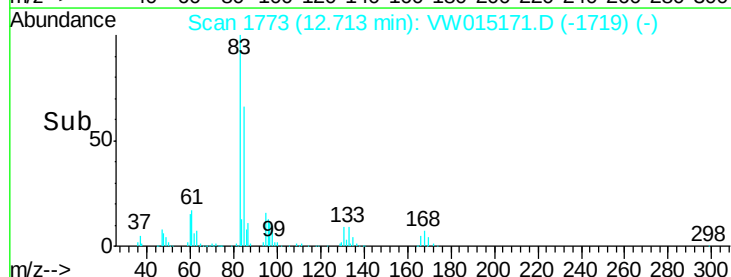
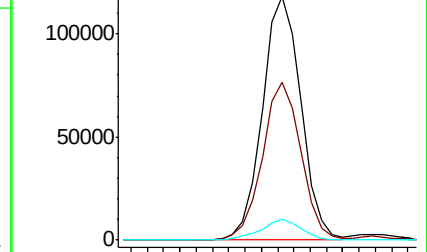
131 8.6 5.9 8.9

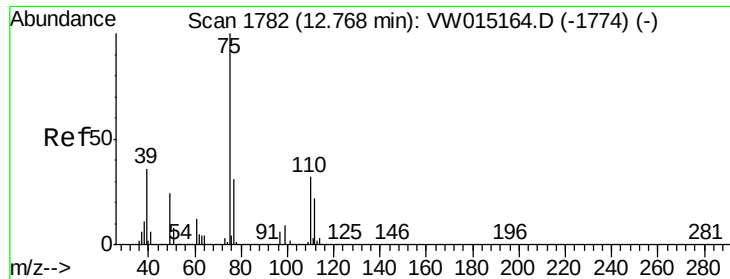


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 27.108 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015171.D

Acq: 08 Apr 2020 16:36

Instrument :

MSVOA_W

ClientSampleId :

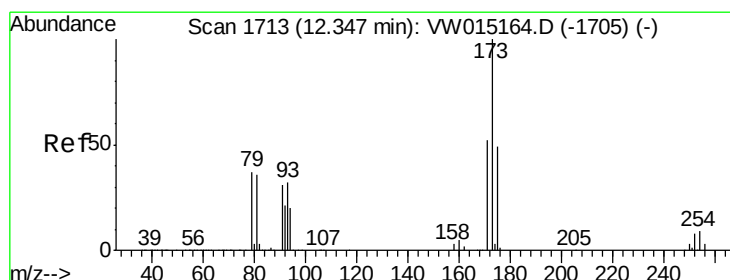
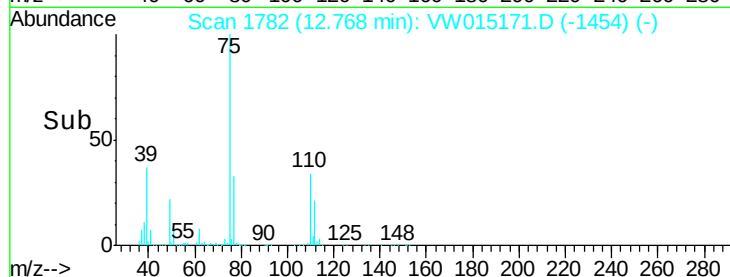
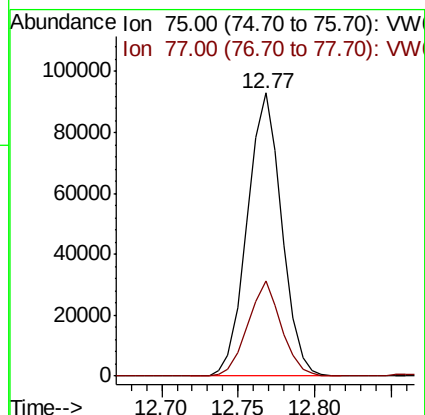
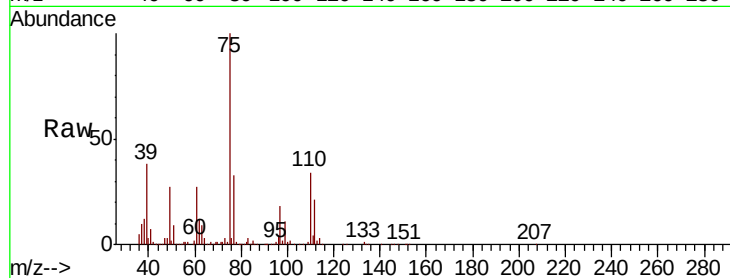
VSTD02524

Tot Ion: 75 Resp: 145856

Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.6



#62

Bromoform

Concen: 26.818 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015171.D

Acq: 08 Apr 2020 16:36

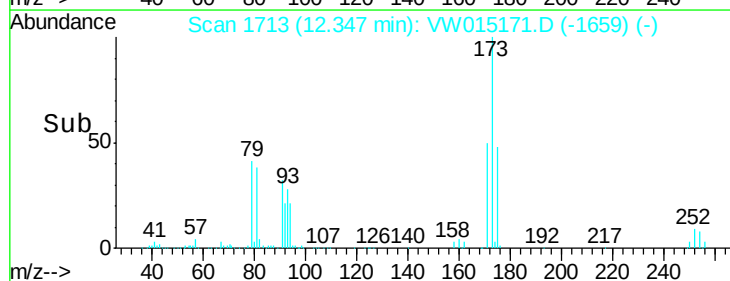
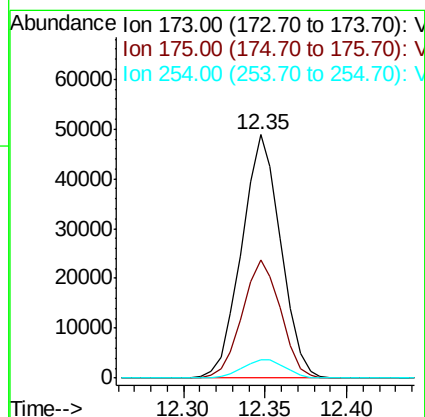
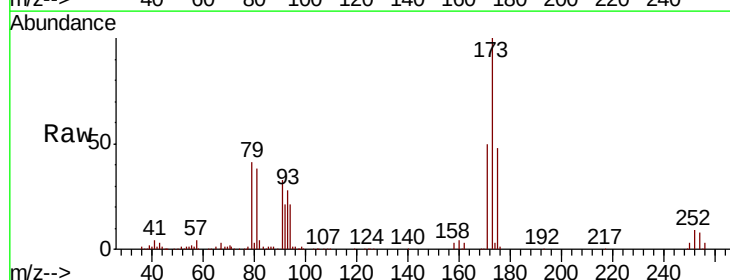
Tgt Ion:173 Resp: 81444

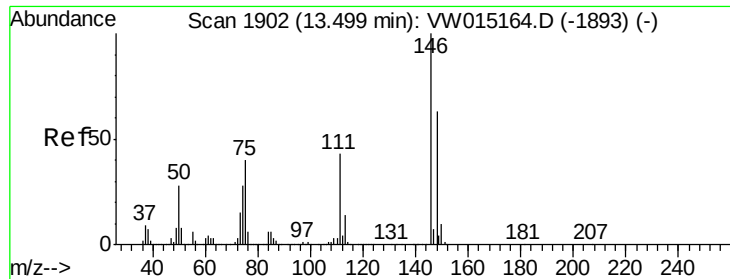
Ion Ratio Lower Upper

173 100

175 47.7 38.0 57.0

254 8.3 6.5 9.7

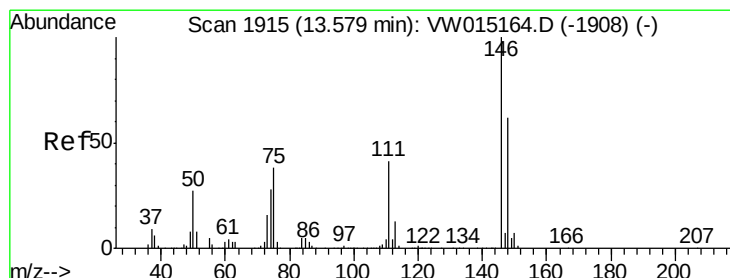
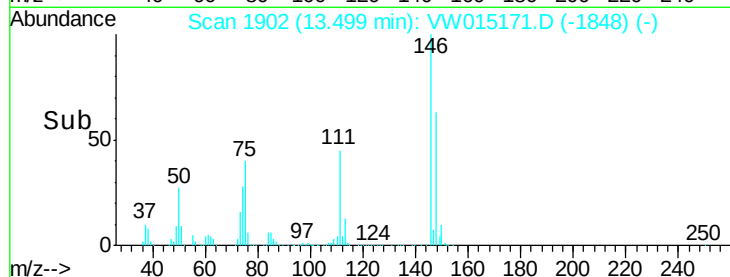
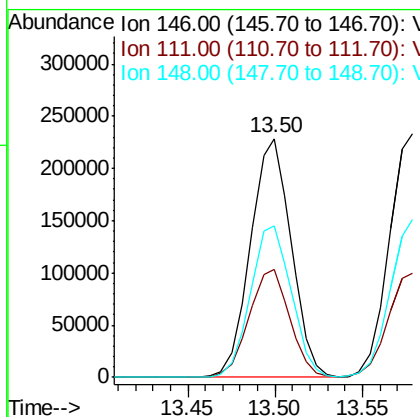
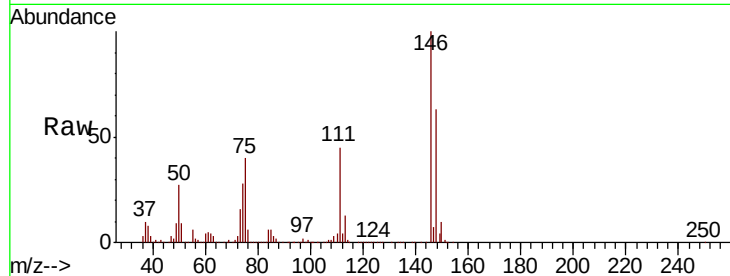




#63
 1,3-Dichlorobenzene
 Concen: 26.958 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015171.D
 Acq: 08 Apr 2020 16:36

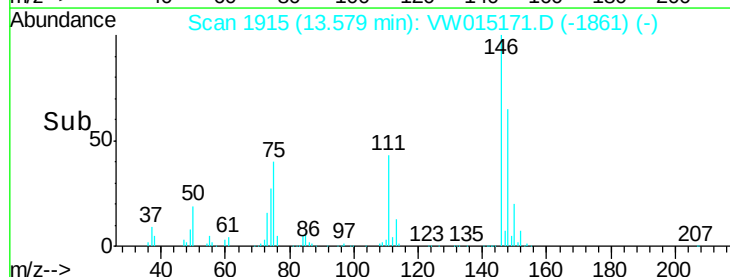
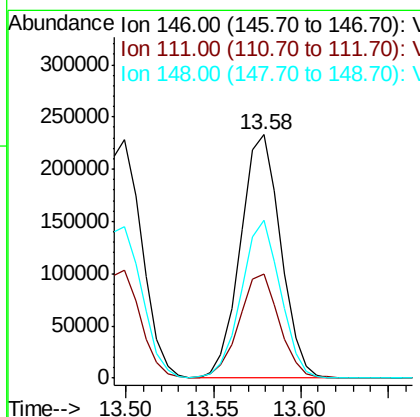
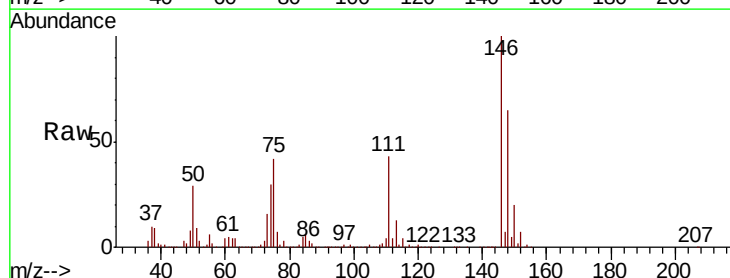
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

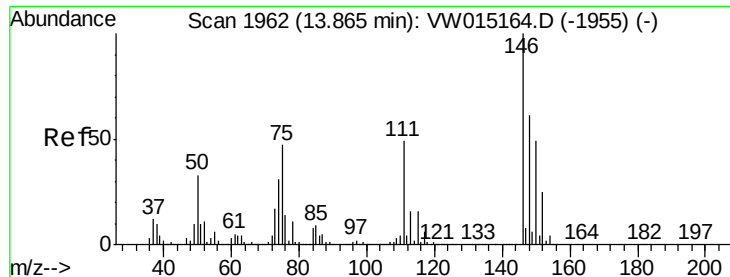
Tot Ion:146 Resp: 369078
 Ion Ratio Lower Upper
 146 100
 111 45.2 31.9 59.2
 148 63.4 45.2 84.0



#64
 1,4-Dichlorobenzene
 Concen: 26.606 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015171.D
 Acq: 08 Apr 2020 16:36

Tgt Ion:146 Resp: 372690
 Ion Ratio Lower Upper
 146 100
 111 42.9 28.8 53.4
 148 64.9 44.0 81.6





#65

1,2-Dichlorobenzene

Concen: 27.277 ug/L

RT: 13.87 min Scan# 1962

Delta R.T. 0.00 min

Lab File: VW015171.D

Acq: 08 Apr 2020 16:36

Instrument :

MSVOA_W

ClientSampled :

VSTD02524

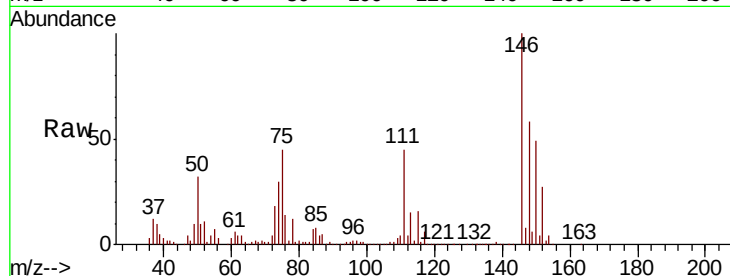
Tot Ion:146 Resp: 339857

Ion Ratio Lower Upper

146 100

111 45.3 35.8 53.8

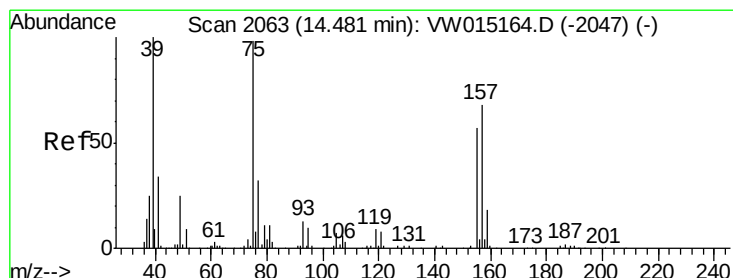
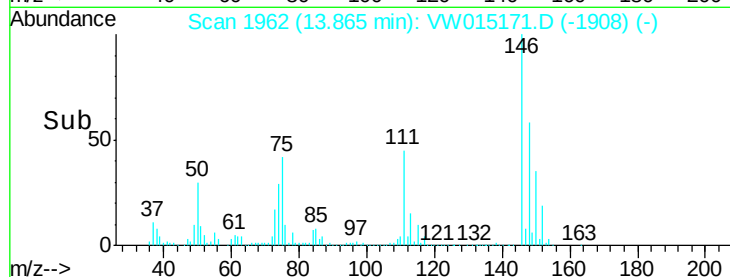
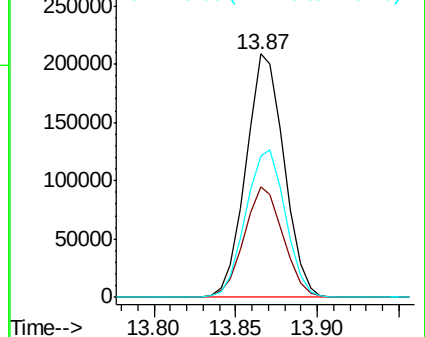
148 58.1 52.3 78.5



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: 26.042 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW015171.D

Acq: 08 Apr 2020 16:36

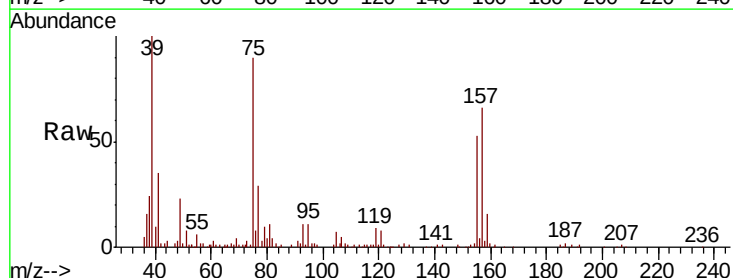
Tgt Ion: 75 Resp: 30907

Ion Ratio Lower Upper

75 100

157 73.0 57.3 85.9

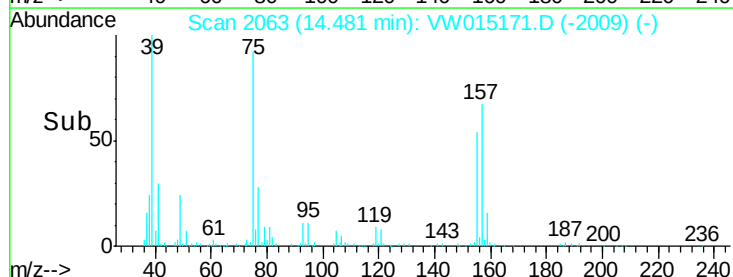
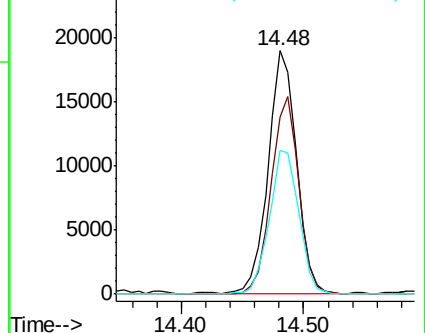
155 58.8 43.2 64.8

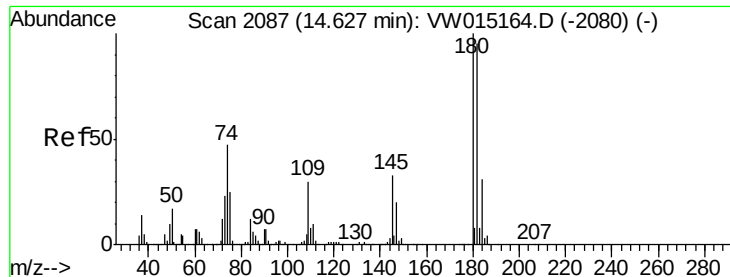


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

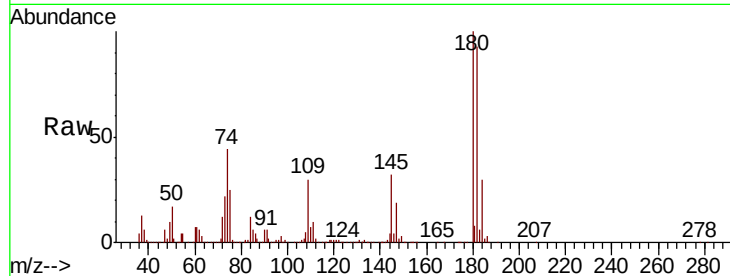




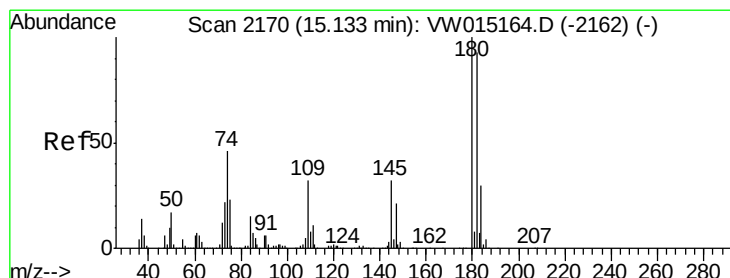
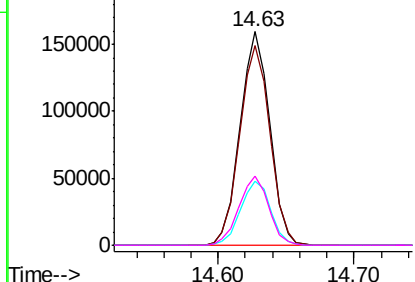
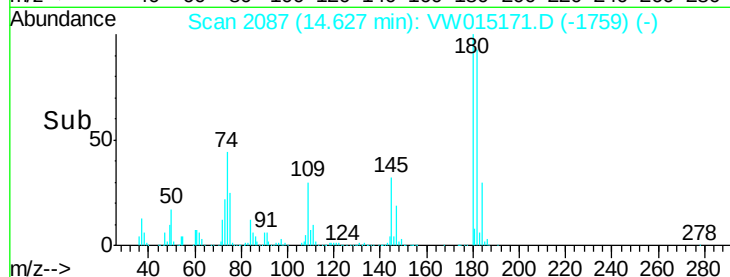
#67
 1,3,5-Trichlorobenzene
 Concen: 27.623 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW015171.D
 Acq: 08 Apr 2020 16:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

Tot Ion:180 Resp: 243463
 Ion Ratio Lower Upper
 180 100
 182 95.3 77.0 115.6
 184 30.6 24.0 36.0
 145 32.3 25.4 38.2

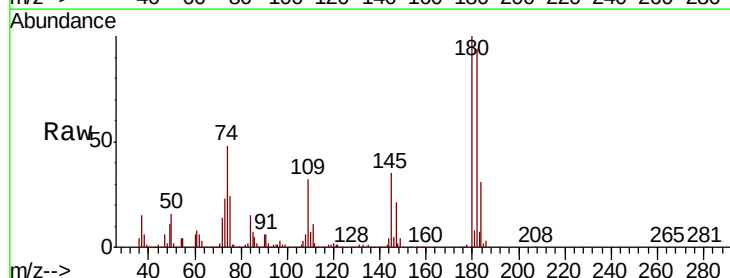


Abundance Ion 180.00 (179.70 to 180.70): V
 250000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

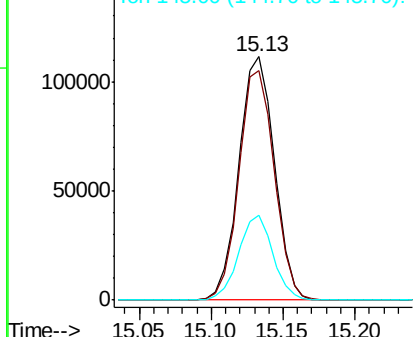
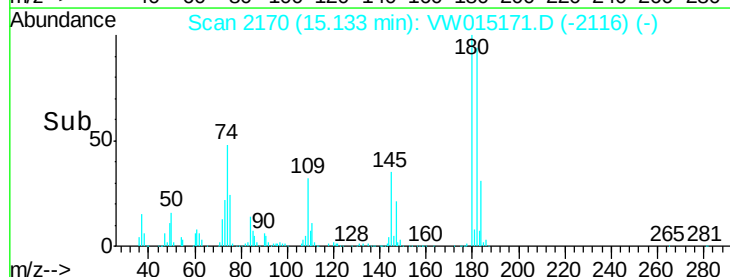


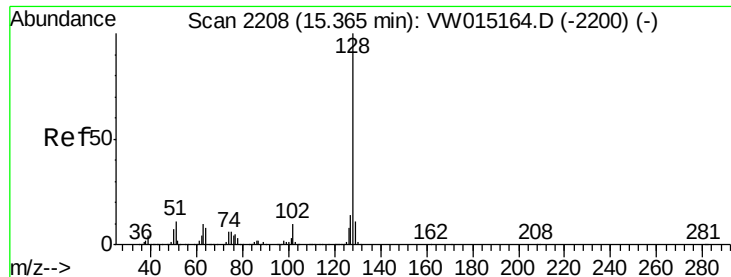
#68
 1,2,4-trichlorobenzene
 Concen: 28.573 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015171.D
 Acq: 08 Apr 2020 16:36

Tgt Ion:180 Resp: 189814
 Ion Ratio Lower Upper
 180 100
 182 94.3 75.8 113.6
 145 34.0 25.8 38.6



Abundance Ion 180.00 (179.70 to 180.70): V
 150000
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 30.821 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015171.D

Acq: 08 Apr 2020 16:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

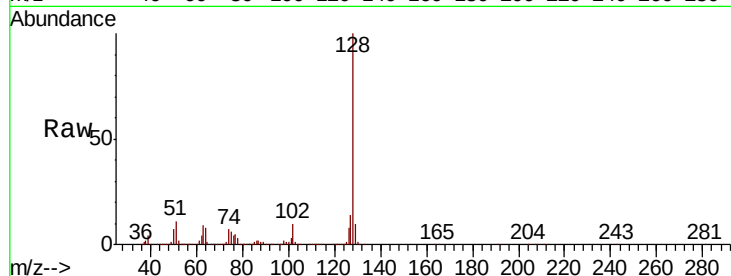
Tot Ion:128 Resp: 398113

Ion Ratio Lower Upper

128 100

129 10.6 8.9 13.3

127 13.7 11.0 16.4

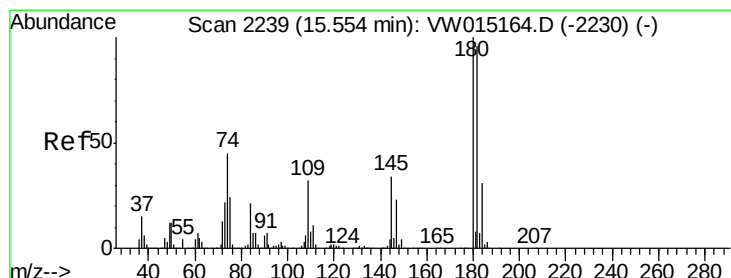
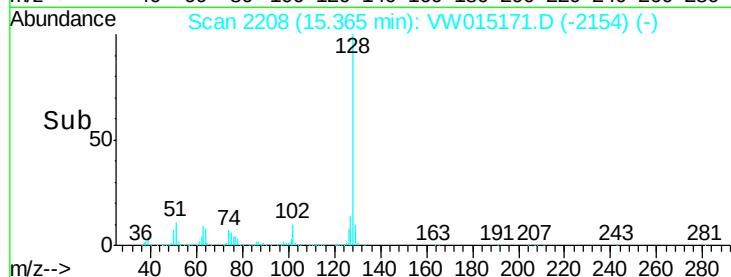
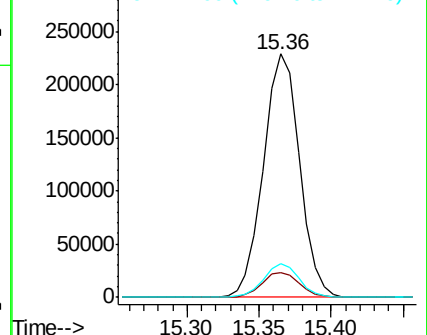


Abundance

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: 27.361 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW015171.D

Acq: 08 Apr 2020 16:36

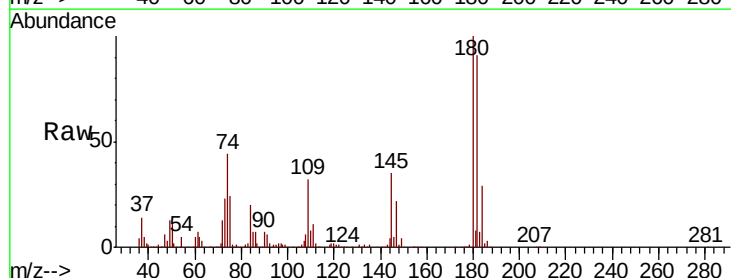
Tgt Ion:180 Resp: 168909

Ion Ratio Lower Upper

180 100

182 93.2 75.9 113.9

145 35.2 27.6 41.4



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

