

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102620\
 Data File : VW016988.D
 Acq On : 26 Oct 2020 09:44
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

Quant Time: Oct 27 08:19:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 26 08:04:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	559051	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	514111	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	260838	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	132266	20.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.00%
7) Chloroethane-d5	2.89	69	109883	21.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.92%
10) 1,1-Dichloroethene-d2	4.03	63	292174	23.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.12%
20) 2-Butanone-d5	7.08	46	69004	56.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.54%
24) Chloroform-d	7.65	84	294956	22.87	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.48%
26) 1,2-Dichloroethane-d4	8.31	65	144656	23.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.36%
29) Benzene-d6	8.27	84	589230	22.31	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.24%
33) 1,2-Dichloropropane-d6	9.27	67	160981	22.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.32%
37) Toluene-d8	10.33	98	554393	22.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.20%
38) trans-1,3-Dichloropropene-	10.58	79	74064	24.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.92%
39) 2-Hexanone-d5	10.93	63	58071	58.02	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.04%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	140021	25.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.16%
61) 1,2-Dichlorobenzene-d4	13.86	152	206984	22.58	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.32%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	157270	24.664	ug/L 94
3) Chloromethane	2.21	50	134096	24.364	ug/L 99
5) Vinyl chloride	2.37	62	209125	25.942	ug/L 99
6) Bromomethane	2.78	94	138385	25.276	ug/L 97
8) Chloroethane	2.93	64	124625	26.863	ug/L 98
9) Trichlorofluoromethane	3.26	101	174400	27.276	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	199788	25.925	ug/L 99
12) 1,1-Dichloroethene	4.04	96	197182	26.944	ug/L 91
13) Acetone	4.13	43	54078	66.123	ug/L 98
14) Carbon disulfide	4.39	76	582640	26.262	ug/L 99
15) Methyl Acetate	4.67	43	67599	31.659	ug/L 99
16) Methylene chloride	4.92	84	187237	25.331	ug/L 97
17) Methyl tert-butyl Ether	5.43	73	225855	28.312	ug/L 100
18) trans-1,2-Dichloroethene	5.43	96	204025	26.657	ug/L 97
19) 1,1-Dichloroethane	6.22	63	315484	26.915	ug/L 99
21) 2-Butanone	7.17	43	85103	62.178	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	208576	26.955	ug/L 96

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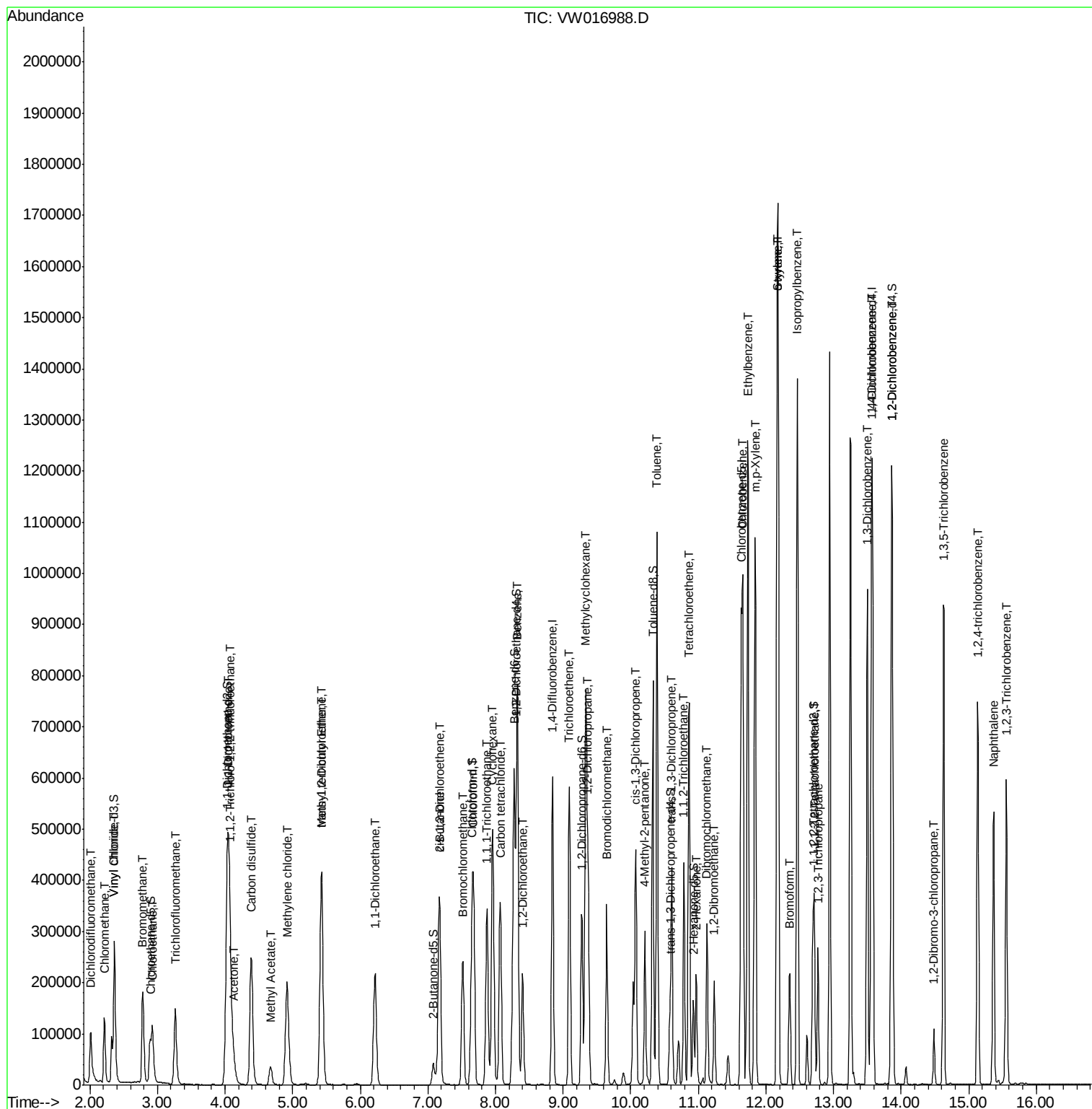
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	99830	27.947	ug/L	99
25) Chloroform	7.68	83	336198	26.943	ug/L	100
27) 1,2-Dichloroethane	8.40	62	200906	28.273	ug/L	99
30) Cyclohexane	7.96	56	284501	26.454	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	295818	26.577	ug/L	99
32) Carbon tetrachloride	8.07	117	286180	26.787	ug/L	100
34) Benzene	8.32	78	745774	26.258	ug/L	100
35) Trichloroethene	9.09	95	206844	26.297	ug/L	99
36) Methylcyclohexane	9.34	83	347155	26.280	ug/L	100
40) 1,2-Dichloropropane	9.37	63	172627	27.216	ug/L	100
41) Bromodichloromethane	9.65	83	237406	27.577	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	278271	28.056	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	183927	61.175	ug/L	99
44) Toluene	10.39	91	820794	26.674	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	240842	29.313	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	142182	28.006	ug/L	97
47) Tetrachloroethene	10.87	164	181976	25.150	ug/L	99
49) 2-Hexanone	10.97	43	124832	65.148	ug/L	98
50) Dibromochloromethane	11.13	129	177791	28.747	ug/L	99
51) 1,2-Dibromoethane	11.24	107	139852	28.894	ug/L	98
52) Chlorobenzene	11.66	112	535387	26.027	ug/L	99
53) Ethylbenzene	11.73	91	919464	26.607	ug/L	99
54) m,p-Xylene	11.84	106	360354	26.505	ug/L	99
55) o-xylene	12.16	106	339343	26.945	ug/L	90
56) Styrene	12.18	104	573469	27.219	ug/L	97
57) Isopropylbenzene	12.47	105	913496	26.224	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	161049	29.554	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	115122	29.521	ug/L	100
62) Bromoform	12.35	173	109509	29.877	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	429037	25.492	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	432299	25.767	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	385569	25.970	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	25533	31.614	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	320478	26.016	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	259677	27.196	ug/L	98
69) Naphthalene	15.37	128	474350	30.628	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	233283	28.037	ug/L	99

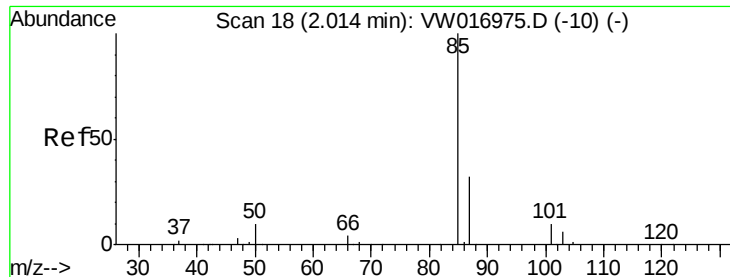
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.664 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW016988.D

Acq: 26 Oct 2020 09:44

Instrument :

MSVOA_W

ClientSampleId :

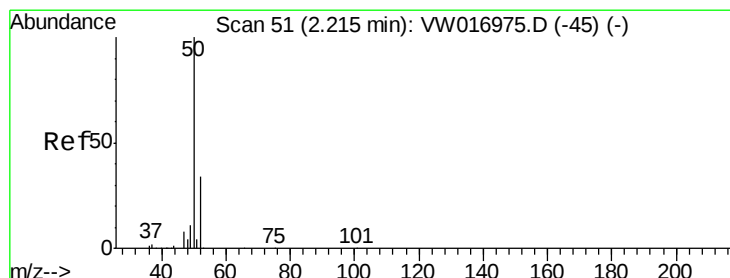
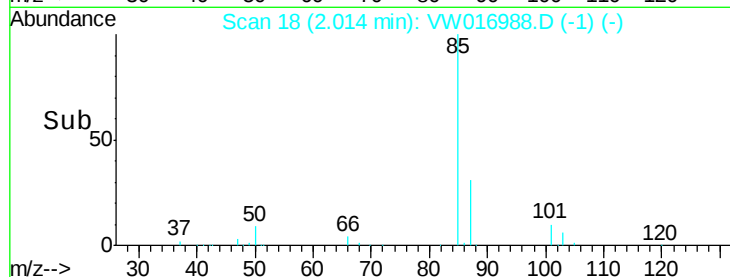
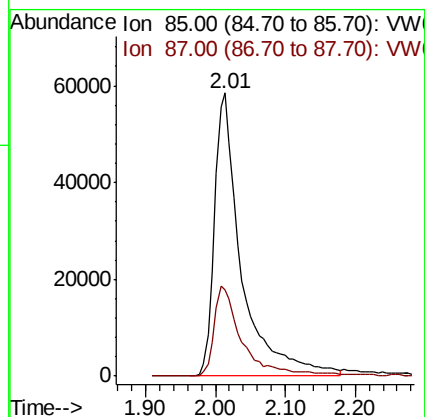
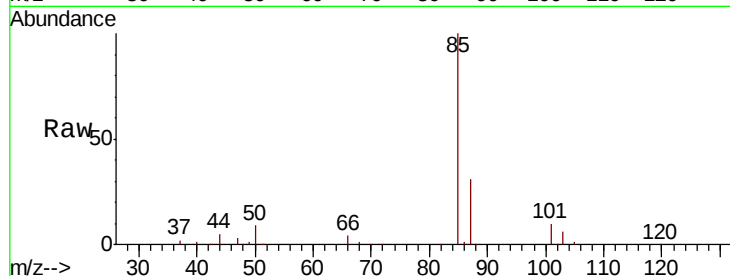
VSTD02524

Tot Ion: 85 Resp: 157270

Ion Ratio Lower Upper

85 100

87 28.7 22.4 41.6



#3

Chloromethane

Concen: 24.364 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW016988.D

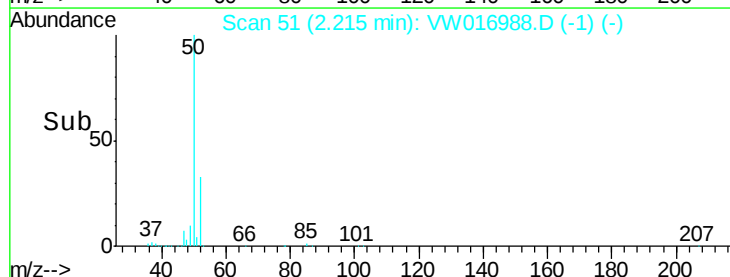
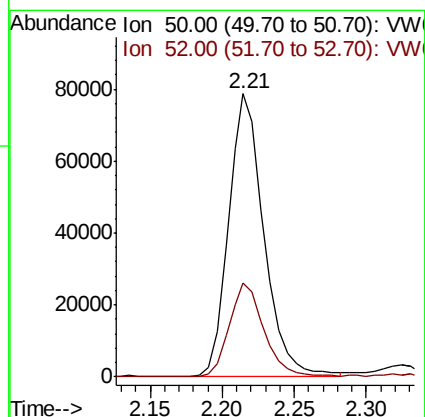
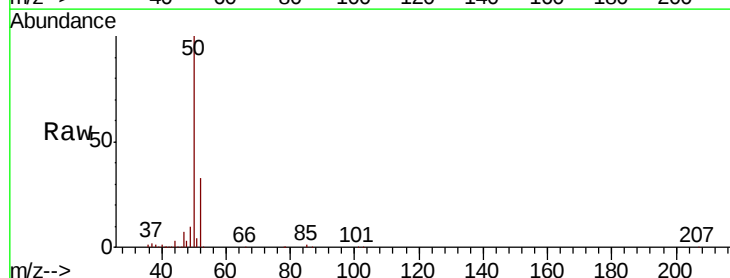
Acq: 26 Oct 2020 09:44

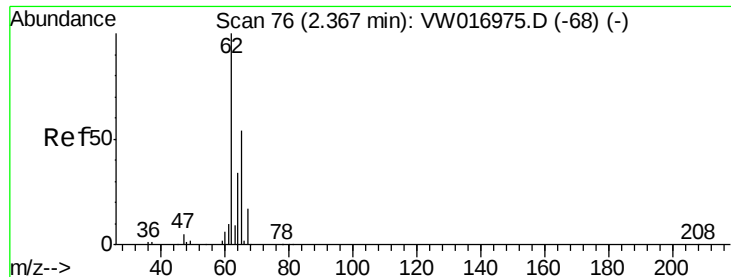
Tgt Ion: 50 Resp: 134096

Ion Ratio Lower Upper

50 100

52 33.0 23.5 43.7





#5

Vinyl chloride

Concen: 25.942 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW016988.D

Acq: 26 Oct 2020 09:44

Instrument :

MSVOA_W

ClientSampleId :

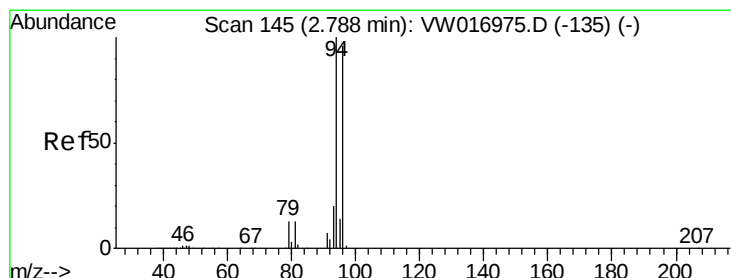
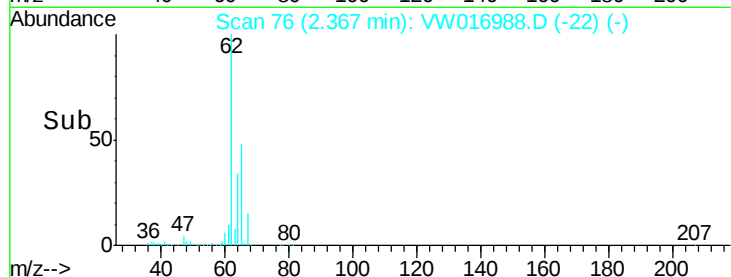
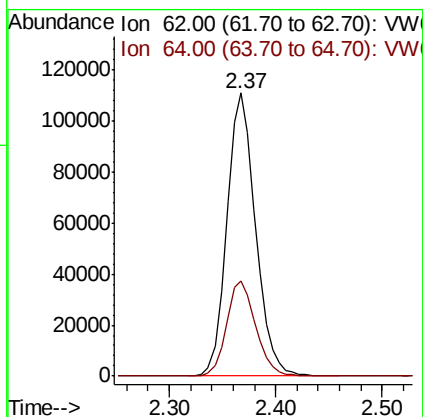
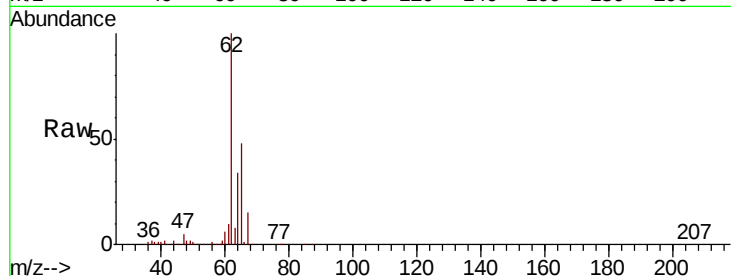
VSTD02524

Tot Ion: 62 Resp: 209125

Ion Ratio Lower Upper

62 100

64 33.6 24.1 44.7



#6

Bromomethane

Concen: 25.276 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW016988.D

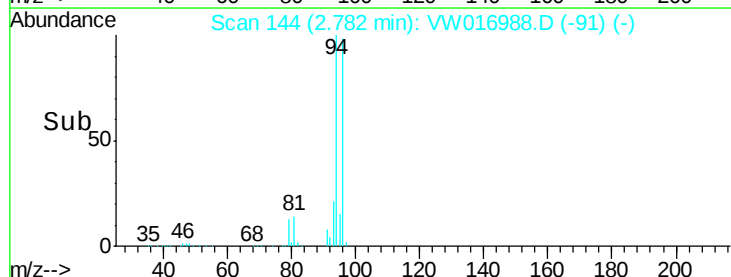
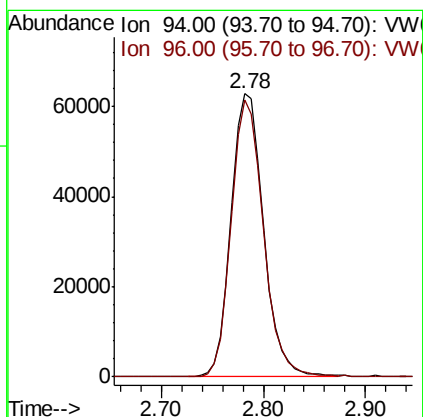
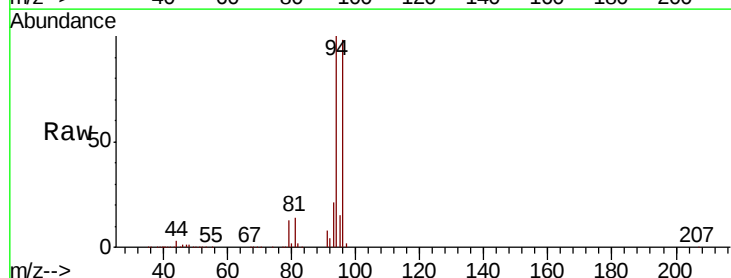
Acq: 26 Oct 2020 09:44

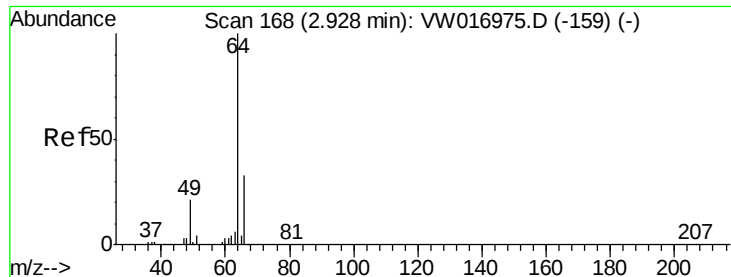
Tgt Ion: 94 Resp: 138385

Ion Ratio Lower Upper

94 100

96 97.2 9.4 178.8





#8

Chloroethane

Concen: 26.863 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW016988.D

Acq: 26 Oct 2020 09:44

Instrument :

MSVOA_W

ClientSampleId :

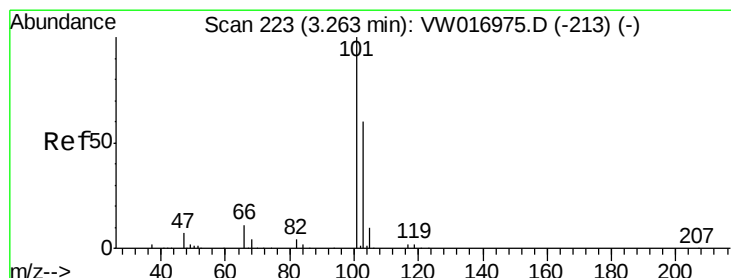
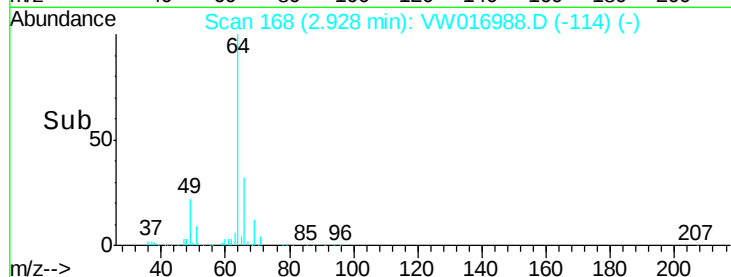
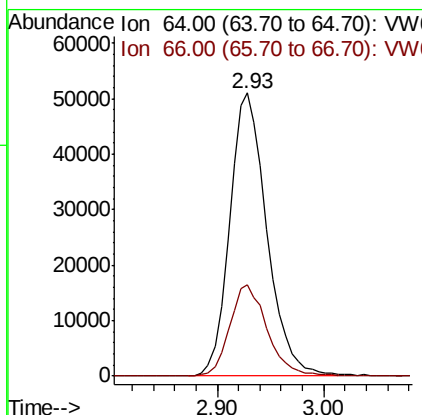
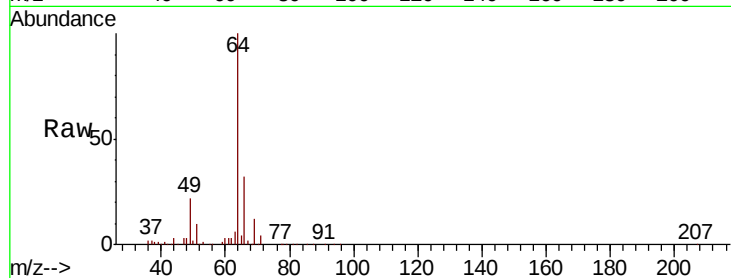
VSTD02524

Tot Ion: 64 Resp: 124625

Ion Ratio Lower Upper

64 100

66 32.4 23.4 43.6



#9

Trichlorofluoromethane

Concen: 27.276 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW016988.D

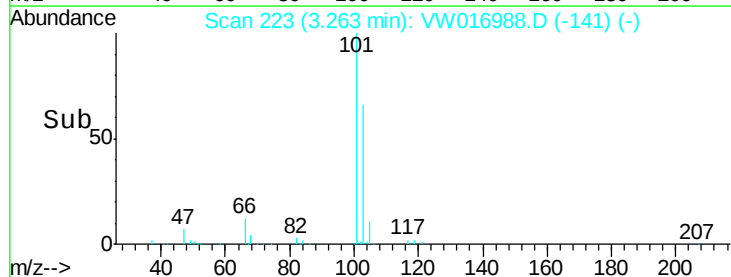
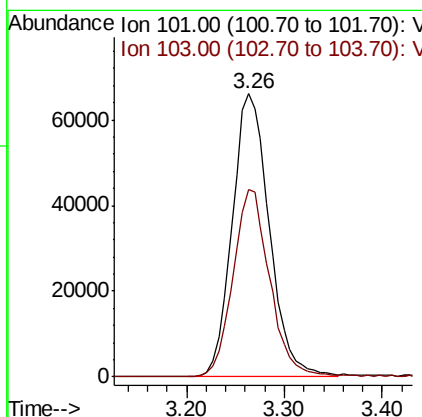
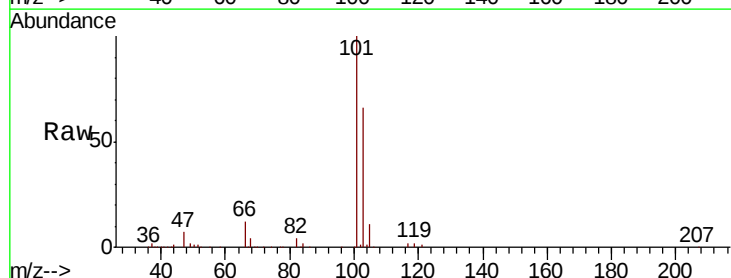
Acq: 26 Oct 2020 09:44

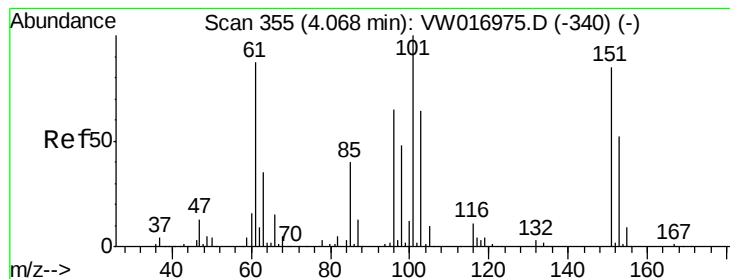
Tgt Ion: 101 Resp: 174400

Ion Ratio Lower Upper

101 100

103 65.2 44.9 83.5





#11

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

Concen: 25.925 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW016988.D

Acq: 26 Oct 2020 09:44

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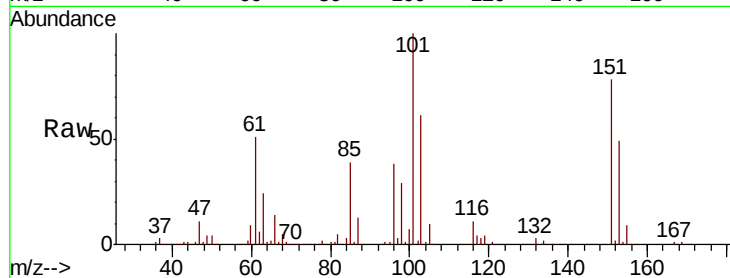
Tot Ion:101 Resp: 199788

Ion Ratio Lower Upper

101 100

85 41.1 32.5 48.7

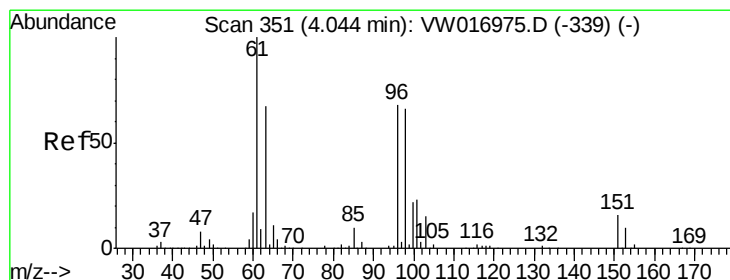
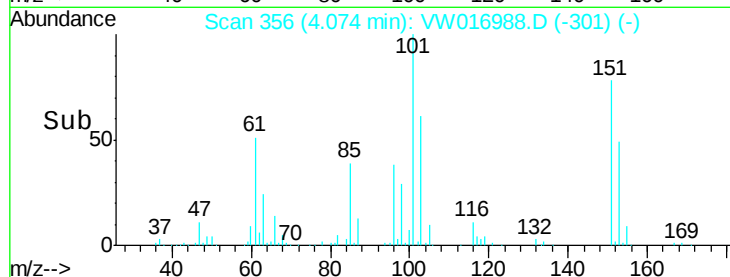
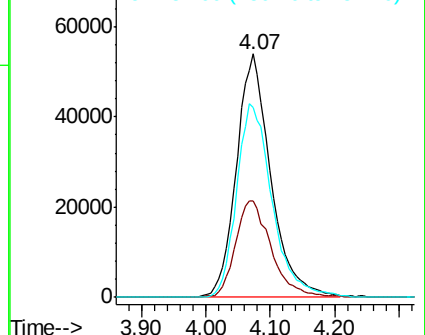
151 81.8 65.7 98.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 26.944 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW016988.D

Acq: 26 Oct 2020 09:44

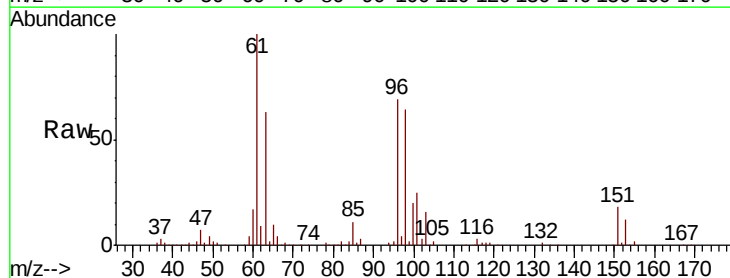
Tgt Ion: 96 Resp: 197182

Ion Ratio Lower Upper

96 100

61 145.9 101.4 188.4

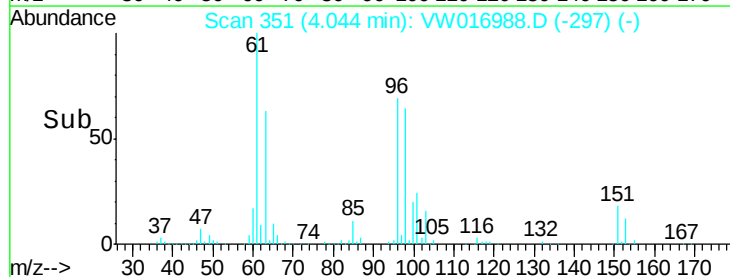
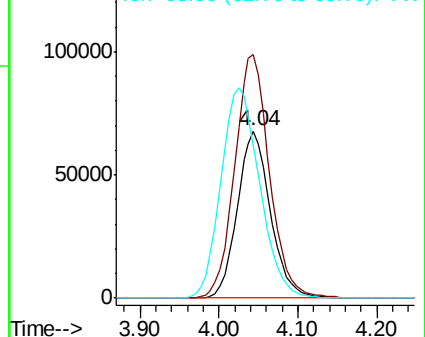
63 91.8 78.5 145.9

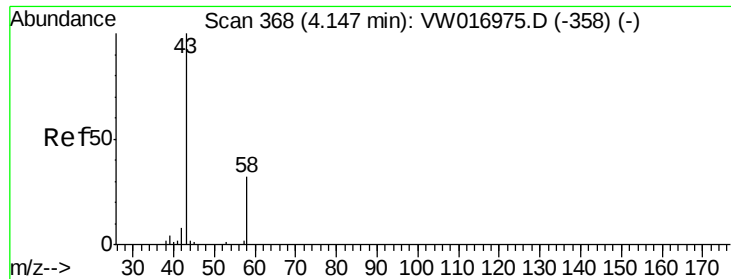


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 66.123 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.02 min

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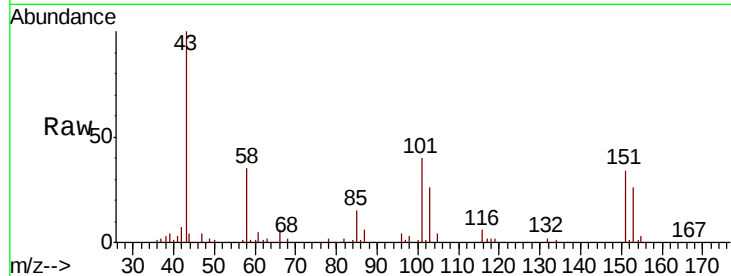
VSTD02524

Tot Ion: 43 Resp: 54078

Ion Ratio Lower Upper

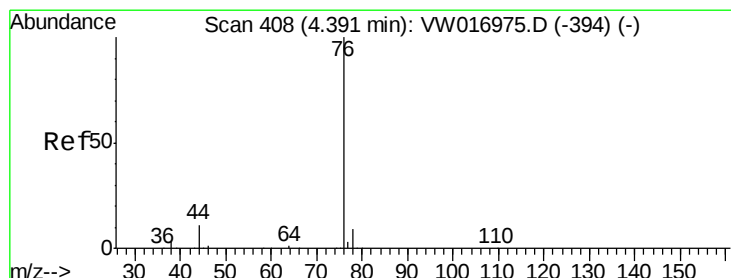
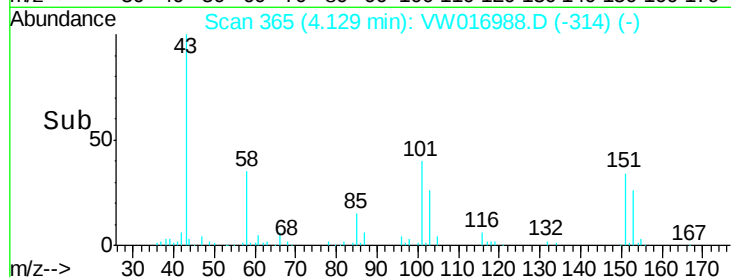
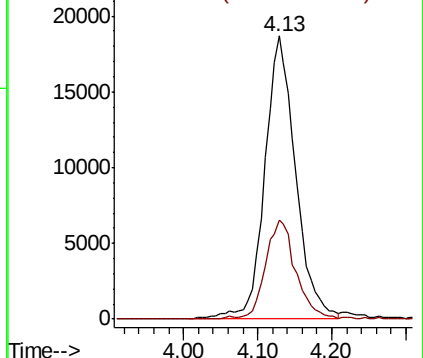
43 100

58 33.9 0.0 69.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 26.262 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW016988.D

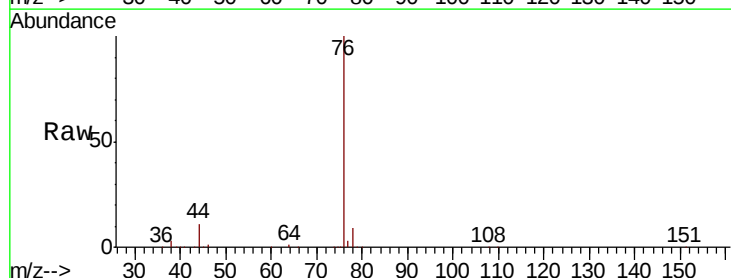
Acq: 26 Oct 2020 09:44

Tgt Ion: 76 Resp: 582640

Ion Ratio Lower Upper

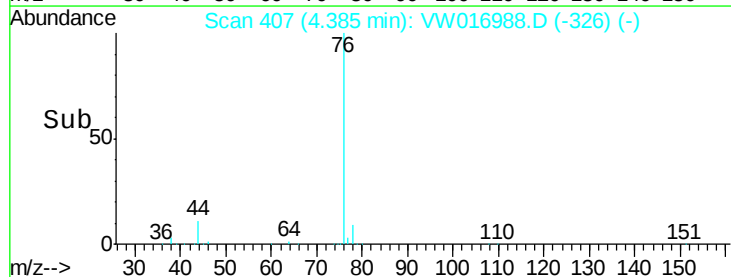
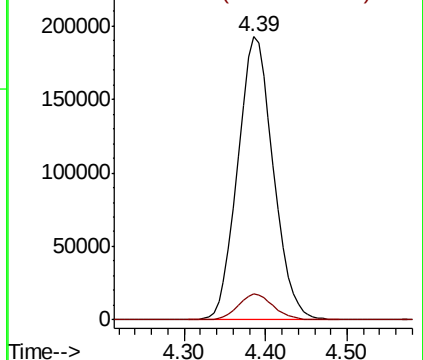
76 100

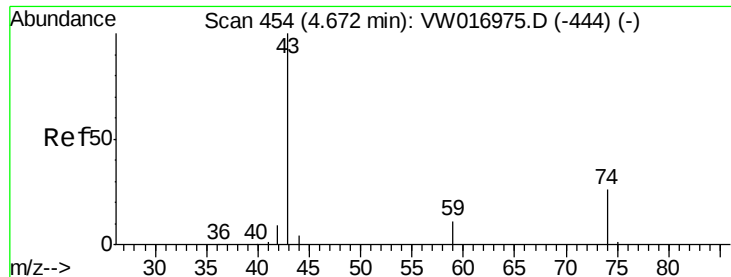
78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

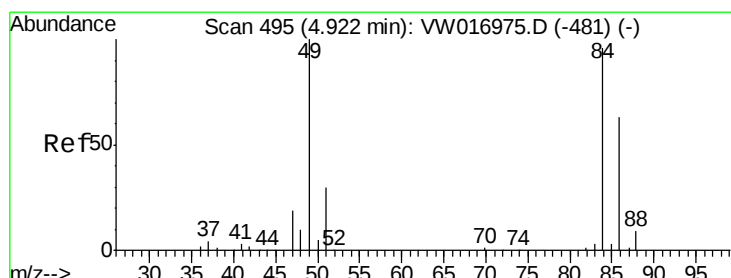
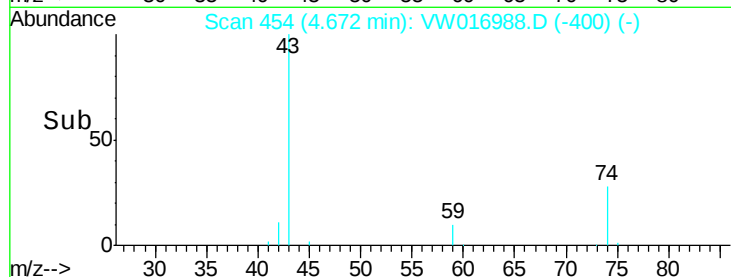
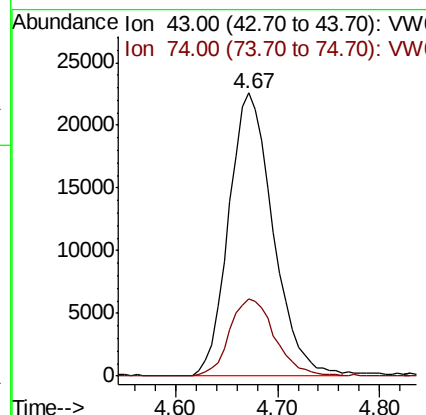
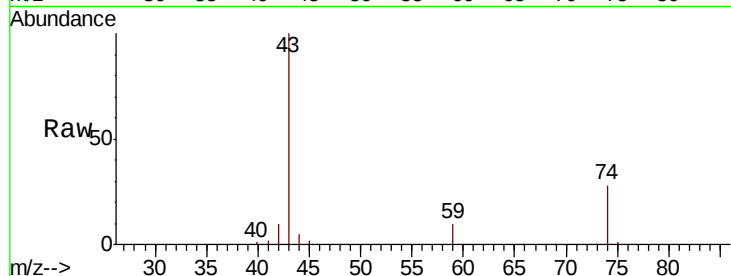




#15
Methyl Acetate
Concen: 31.659 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW016988.D
Acq: 26 Oct 2020 09:44

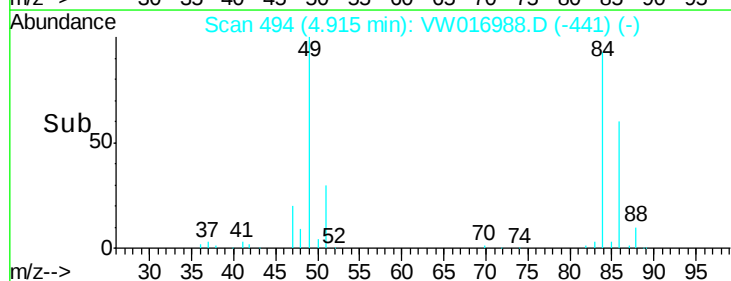
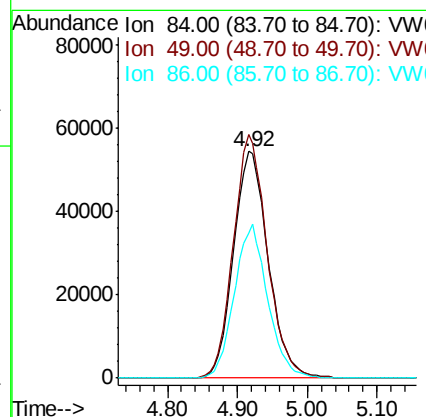
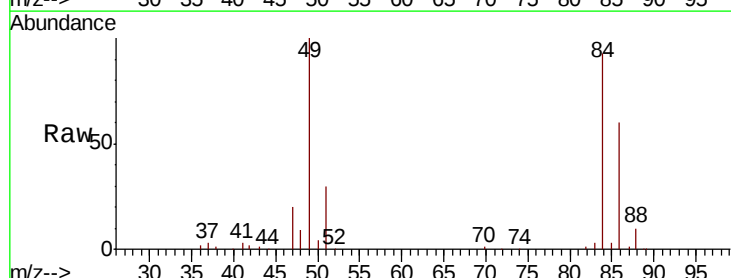
Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

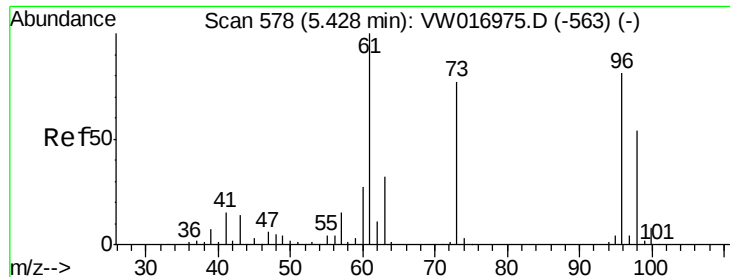
Tot Ion: 43 Resp: 67599
Ion Ratio Lower Upper
43 100
74 27.9 22.8 34.2



#16
Methylene chloride
Concen: 25.331 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW016988.D
Acq: 26 Oct 2020 09:44

Tgt Ion: 84 Resp: 187237
Ion Ratio Lower Upper
84 100
49 107.5 73.8 137.0
86 64.2 47.4 88.0





#17

Methvl tert-butvl Ether

Concen: 28.312 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

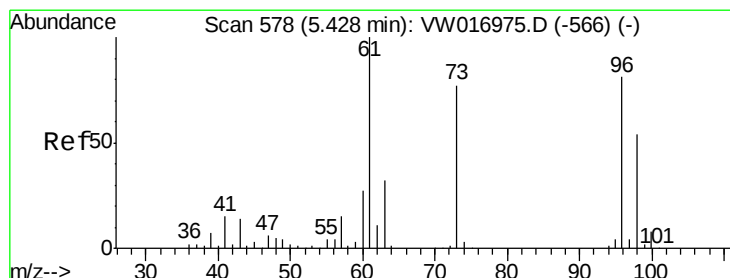
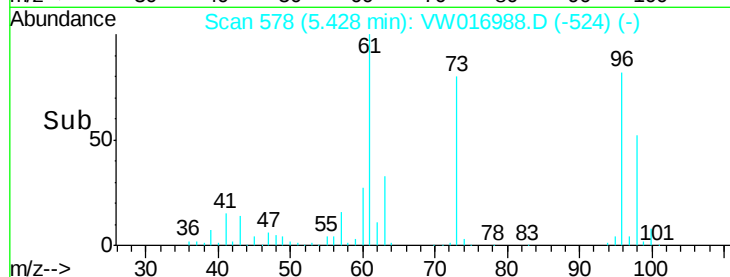
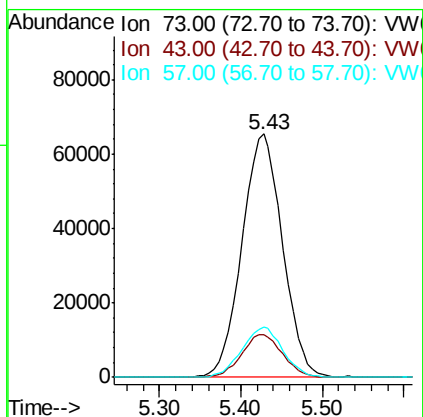
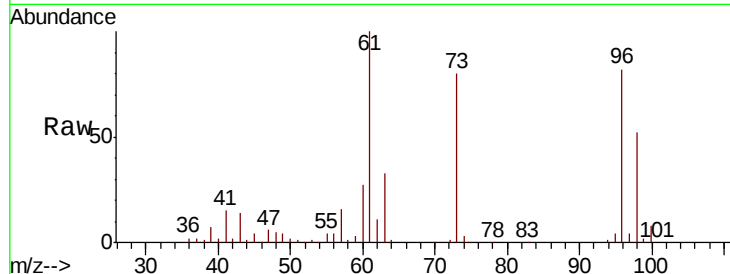
Lab File: VW016988.D

Acq: 26 Oct 2020 09:44

Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

Tot Ion: 73 Resp: 225855

Ion	Ratio	Lower	Upper
73	100		
43	17.8	14.4	21.6
57	20.7	16.6	25.0



#18

trans-1,2-Dichloroethene

Concen: 26.657 ug/L

RT: 5.43 min Scan# 578

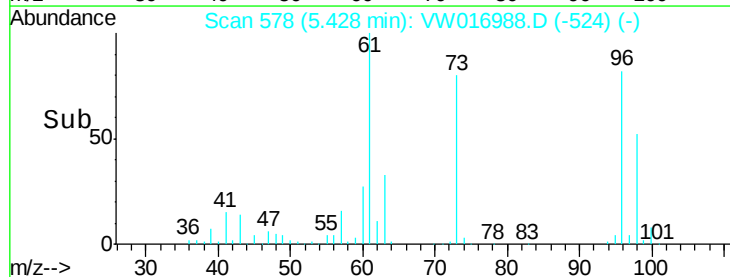
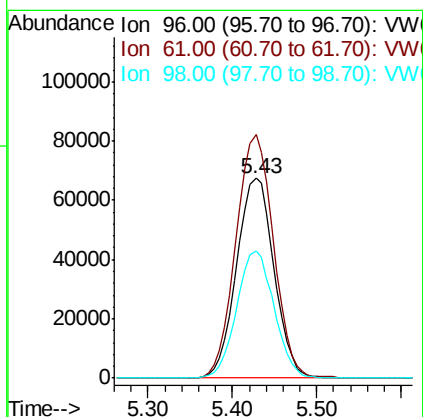
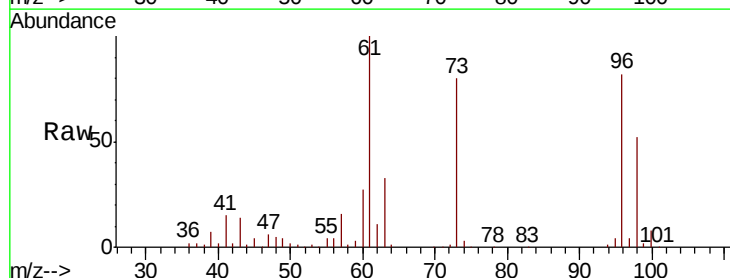
Delta R.T. -0.00 min

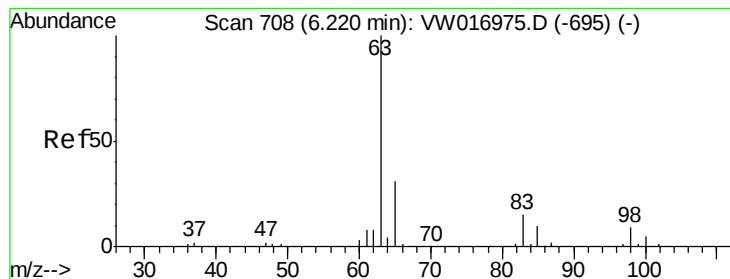
Lab File: VW016988.D

Acq: 26 Oct 2020 09:44

Tgt Ion: 96 Resp: 204025

Ion	Ratio	Lower	Upper
96	100		
61	121.9	82.7	153.7
98	63.5	42.6	79.0





#19

1,1-Dichloroethane

Concen: 26.915 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW016988.D

Acq: 26 Oct 2020 09:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

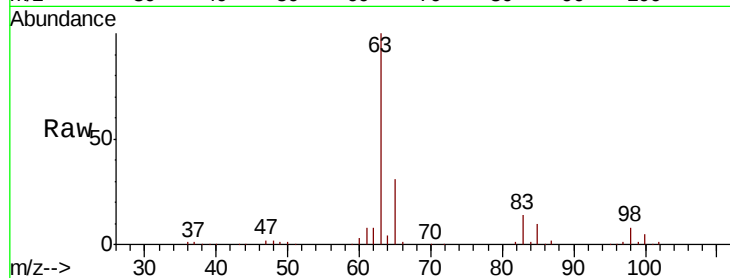
Tot Ion: 63 Resp: 315484

Ion Ratio Lower Upper

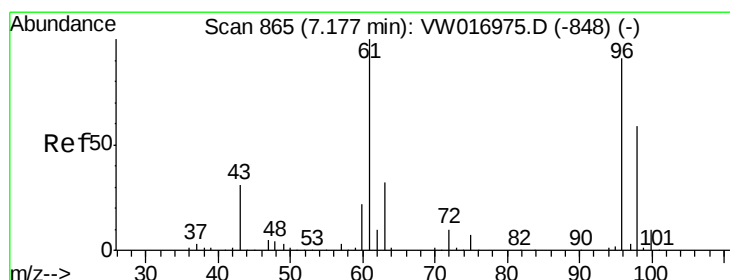
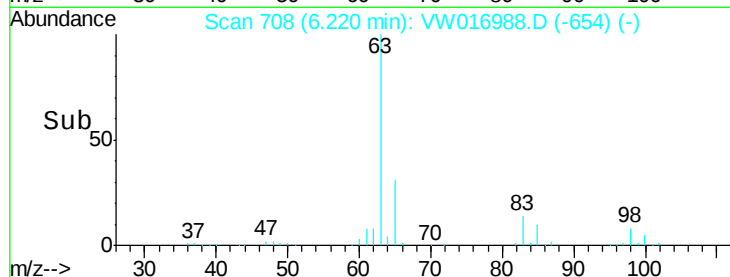
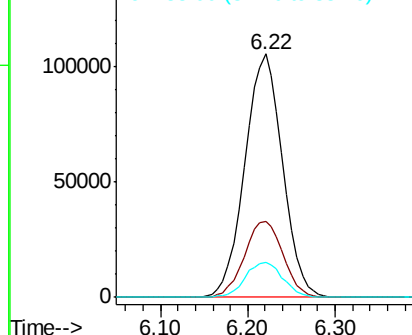
63 100

65 31.3 22.5 41.9

83 14.4 10.1 18.9



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: 62.178 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW016988.D

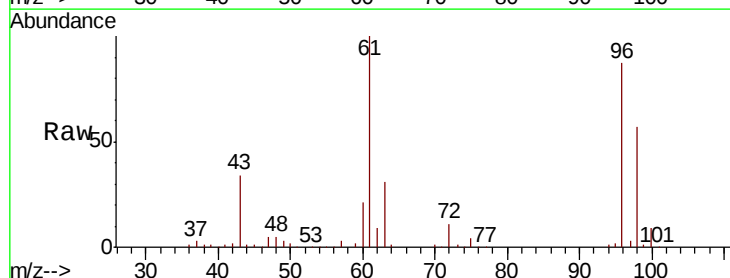
Acq: 26 Oct 2020 09:44

Tgt Ion: 43 Resp: 85103

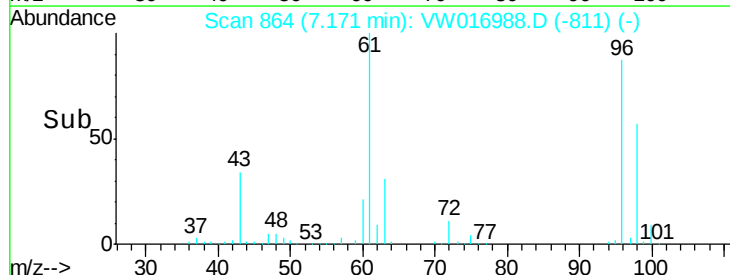
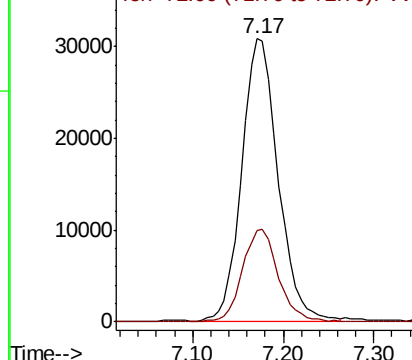
Ion Ratio Lower Upper

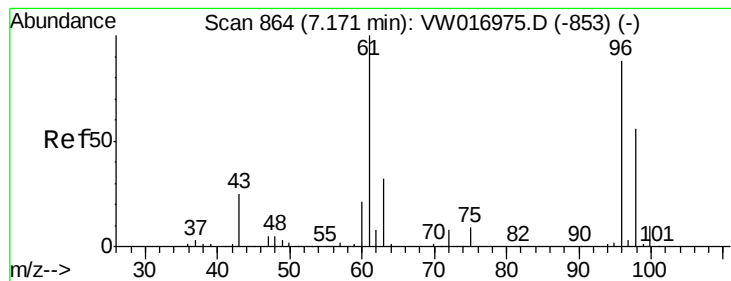
43 100

72 32.4 16.1 48.2



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: 26.955 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW016988.D

Acq: 26 Oct 2020 09:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

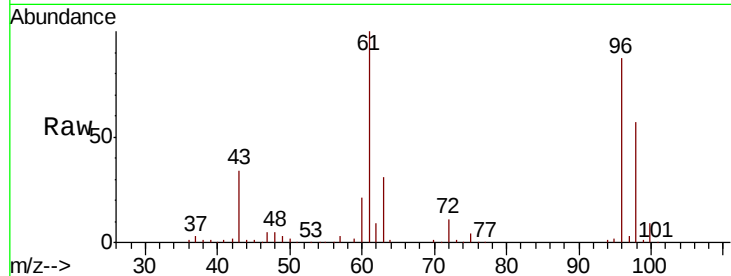
Tot Ion: 96 Resp: 208576

Ion Ratio Lower Upper

96 100

61 115.1 77.4 143.8

98 65.5 44.4 82.5

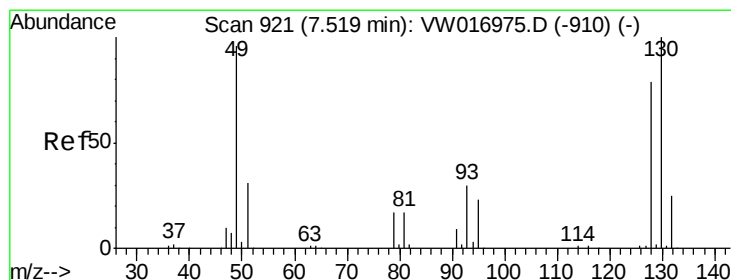
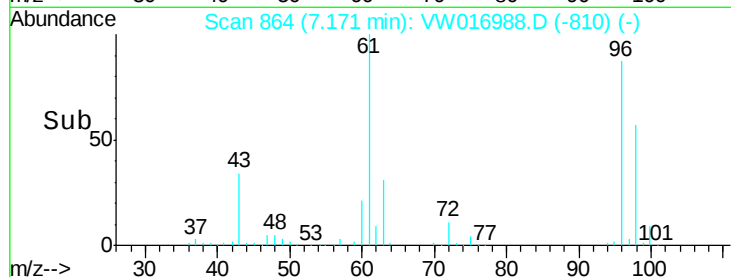
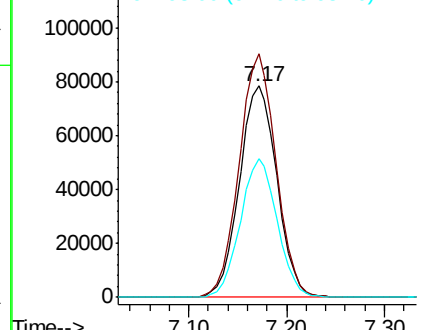


Abundance

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



#23

Bromochloromethane

Concen: 27.947 ug/L

RT: 7.52 min Scan# 921

Delta R.T. -0.00 min

Lab File: VW016988.D

Acq: 26 Oct 2020 09:44

Tgt Ion: 128 Resp: 99830

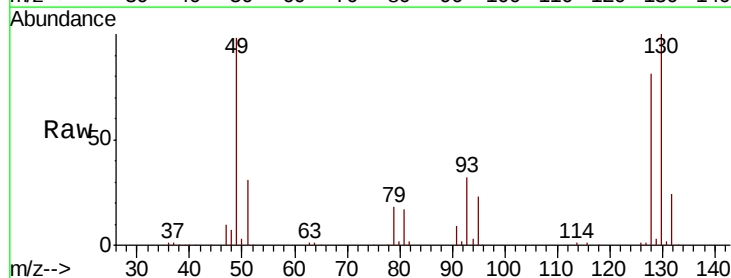
Ion Ratio Lower Upper

128 100

49 120.3 86.4 160.4

130 123.2 86.4 160.4

51 37.9 30.9 46.3



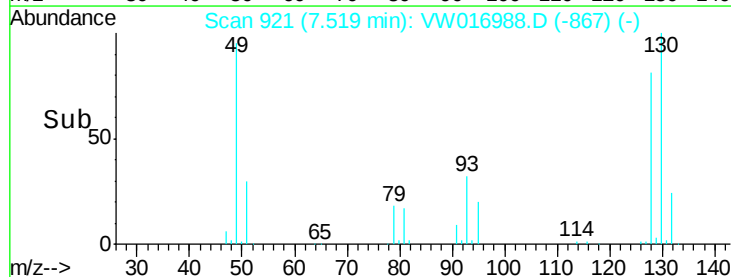
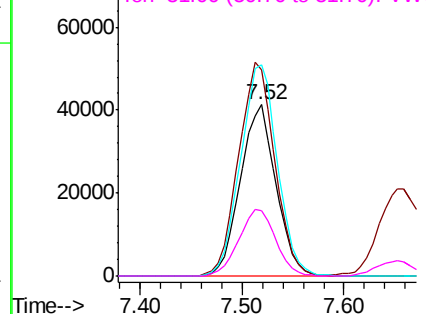
Abundance

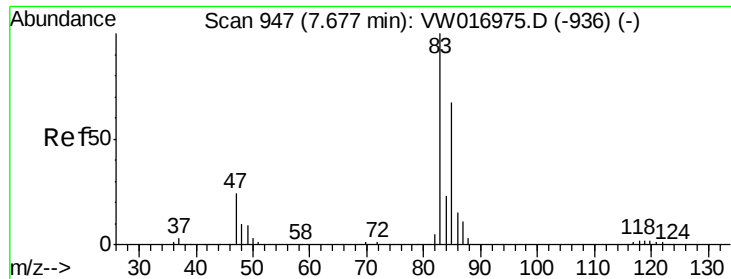
Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW

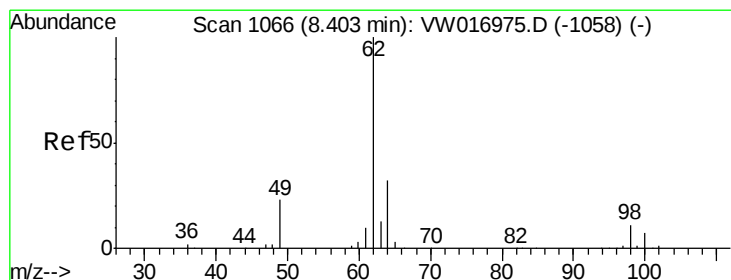
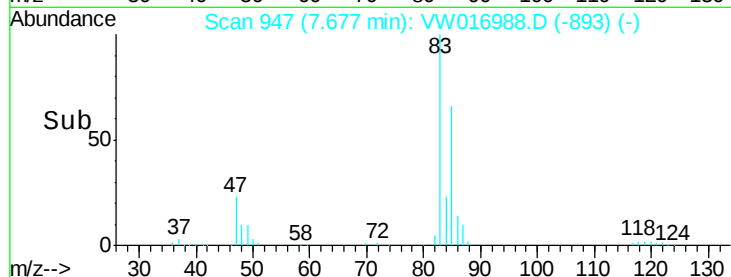
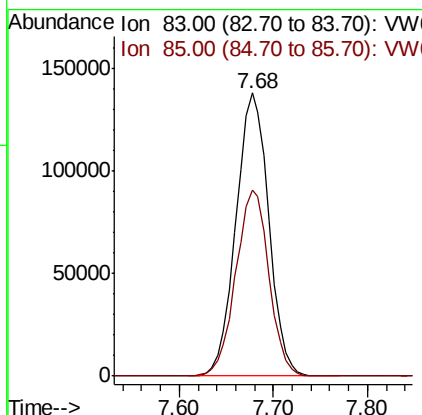
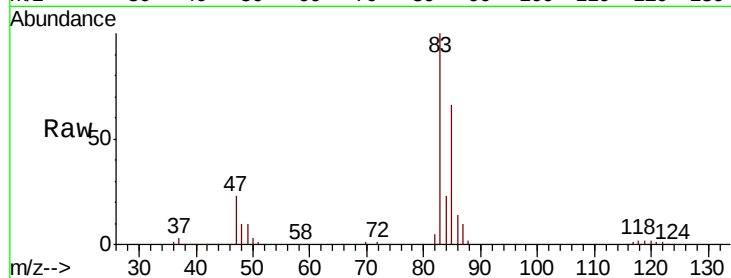




#25
Chloroform
Concen: 26.943 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW016988.D
Acq: 26 Oct 2020 09:44

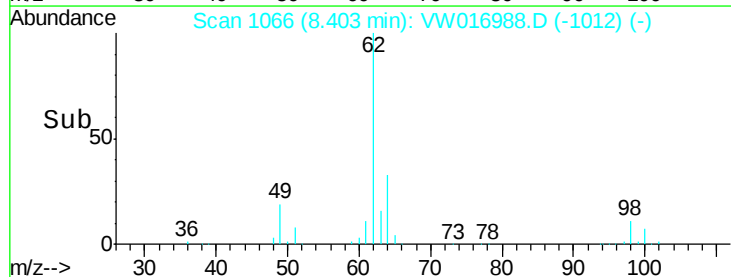
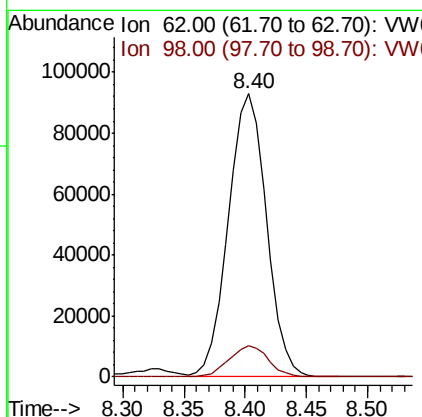
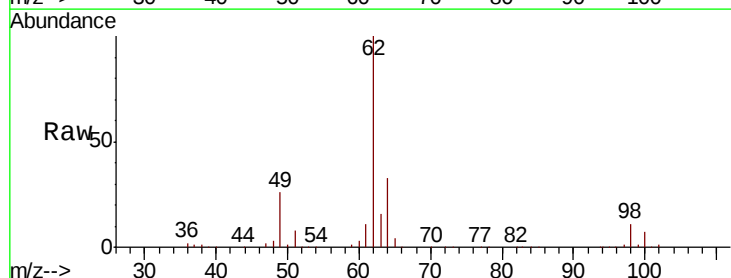
Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

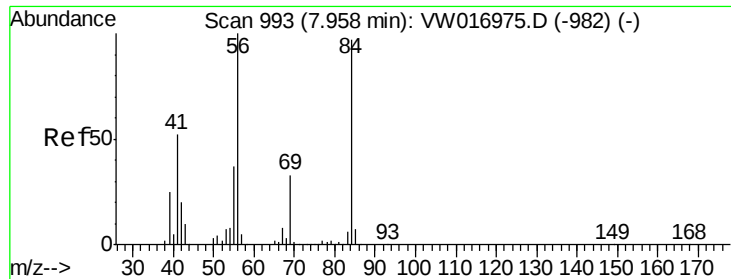
Tot Ion: 83 Resp: 336198
Ion Ratio Lower Upper
83 100
85 66.4 46.6 86.6



#27
1,2-Dichloroethane
Concen: 28.273 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW016988.D
Acq: 26 Oct 2020 09:44

Tgt Ion: 62 Resp: 200906
Ion Ratio Lower Upper
62 100
98 11.0 8.5 12.7

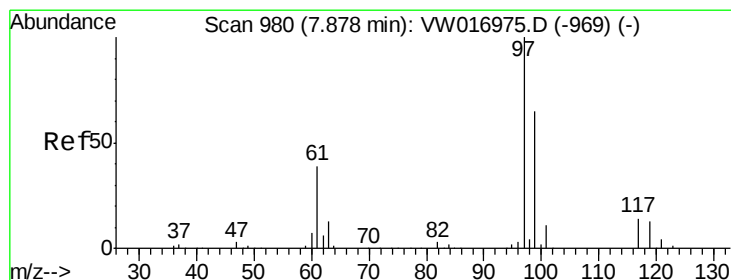
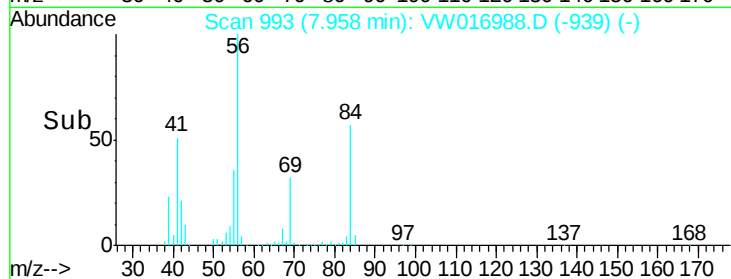
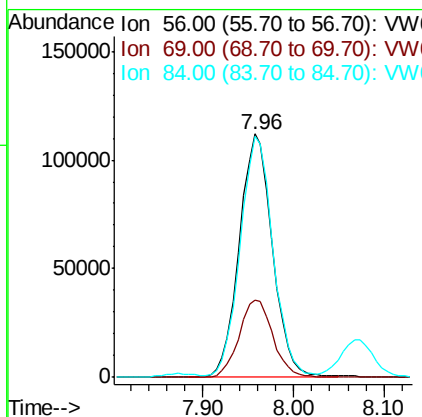
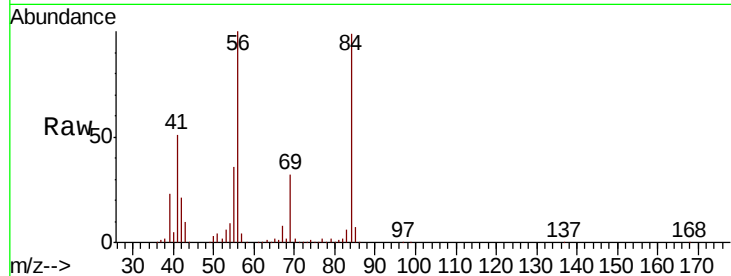




#30
Cyclohexane
Concen: 26.454 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW016988.D
Acq: 26 Oct 2020 09:44

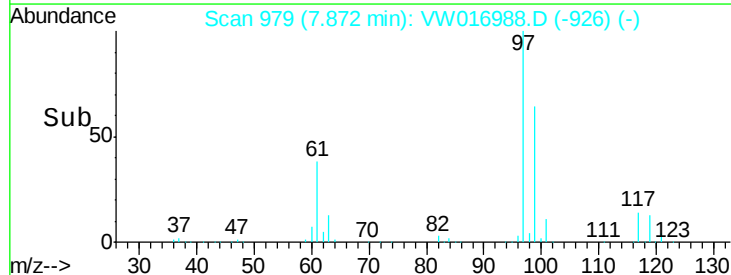
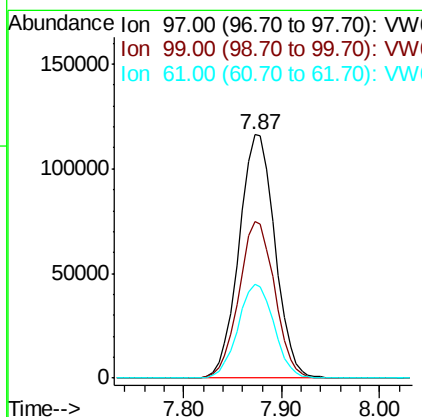
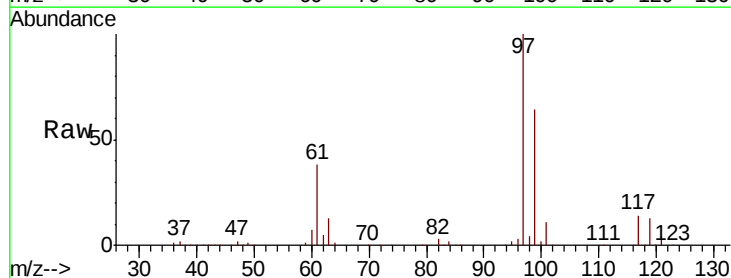
Instrument :
MSVOA_W
ClientSampled :
VSTD02524

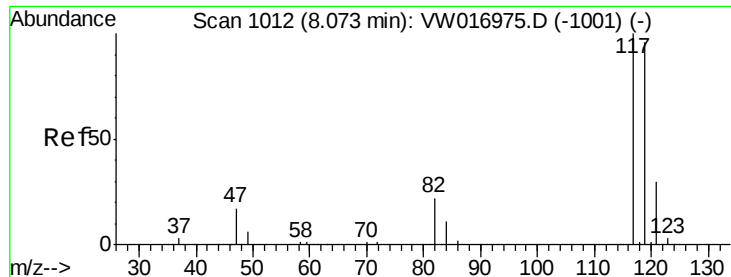
Tot Ion: 56 Resp: 284501
Ion Ratio Lower Upper
56 100
69 32.3 26.0 39.0
84 97.8 78.6 118.0



#31
1,1,1-Trichloroethane
Concen: 26.577 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW016988.D
Acq: 26 Oct 2020 09:44

Tgt Ion: 97 Resp: 295818
Ion Ratio Lower Upper
97 100
99 64.2 51.3 76.9
61 38.8 31.8 47.8





#32

Carbon tetrachloride

Concen: 26.787 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW016988.D

Acq: 26 Oct 2020 09:44

Instrument :

MSVOA_W

ClientSampleId :

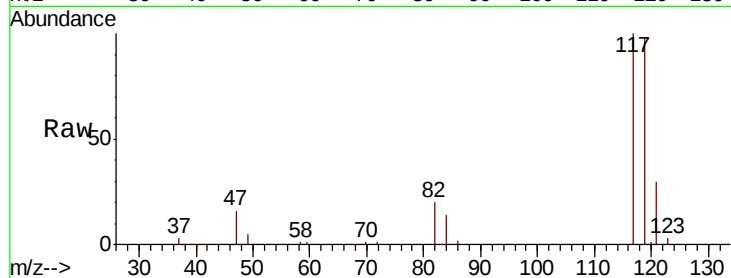
VSTD02524

Tot Ion:117 Resp: 286180

Ion Ratio Lower Upper

117 100

119 97.4 78.0 117.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

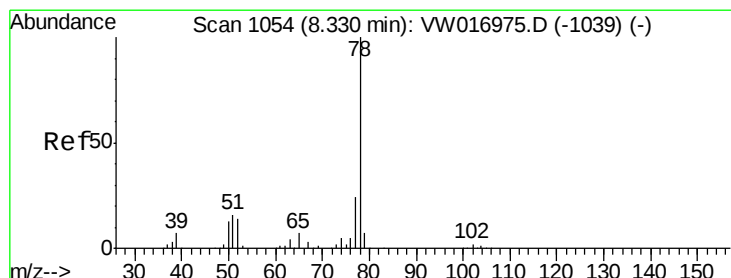
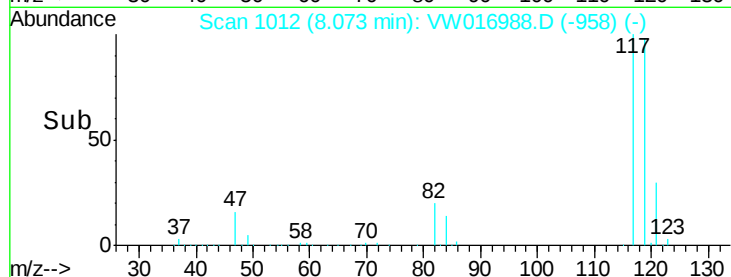
100000

50000

0

Time-->

8.00 8.10 8.20



#34

Benzene

Concen: 26.258 ug/L

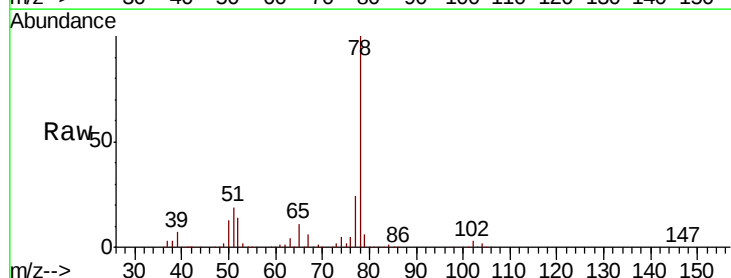
RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW016988.D

Acq: 26 Oct 2020 09:44

Tgt Ion: 78 Resp: 745774



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

300000

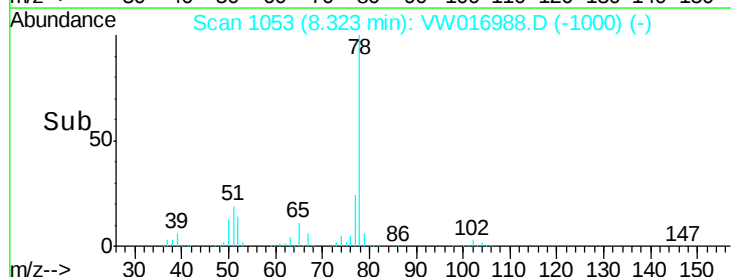
200000

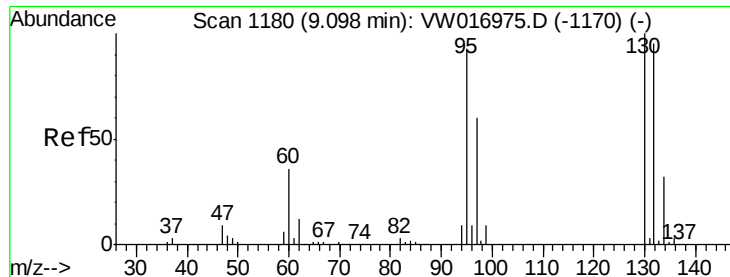
100000

0

Time-->

8.20 8.30 8.40





#35

Trichloroethene

Concen: 26.297 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW016988.D

Acq: 26 Oct 2020 09:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

Tot Ion: 95 Resp: 206844

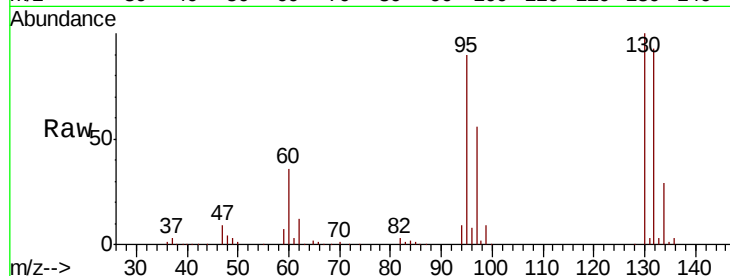
Ion Ratio Lower Upper

95 100

97 64.1 46.0 85.4

132 105.2 73.9 137.3

130 110.3 77.6 144.2

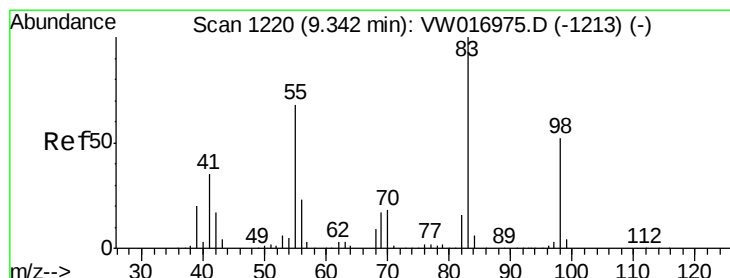
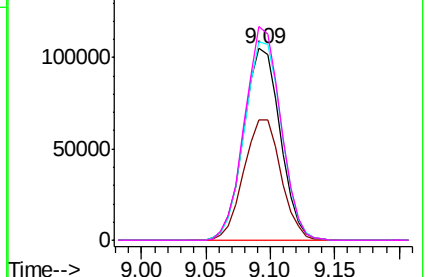
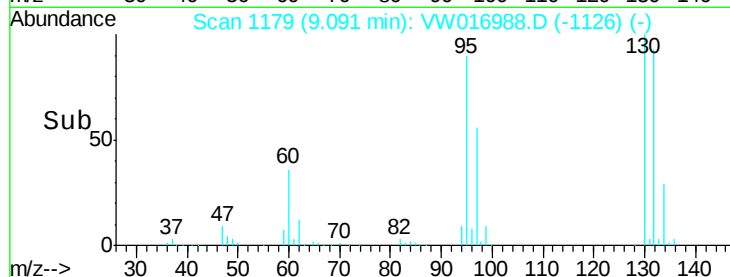


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 26.280 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VW016988.D

Acq: 26 Oct 2020 09:44

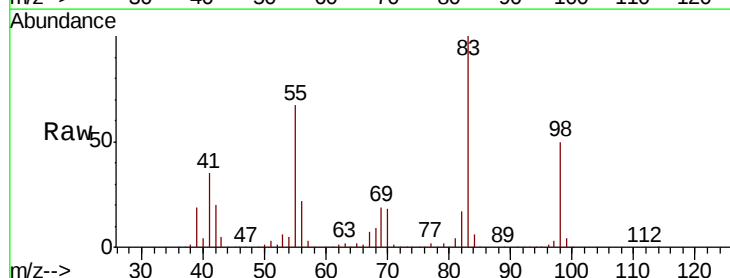
Tgt Ion: 83 Resp: 347155

Ion Ratio Lower Upper

83 100

55 67.9 54.5 81.7

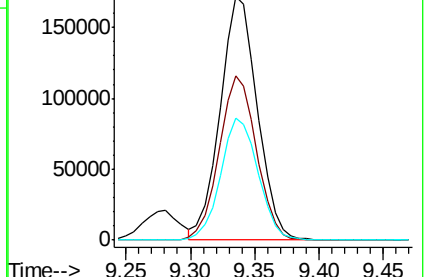
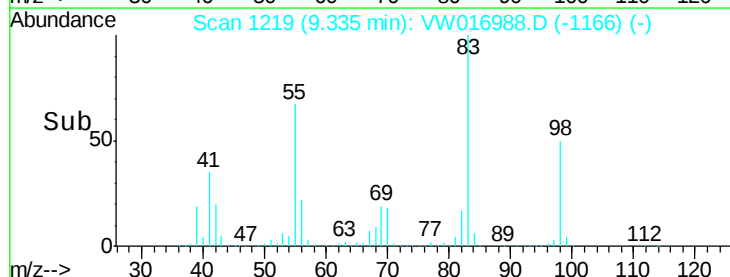
98 50.4 40.8 61.2

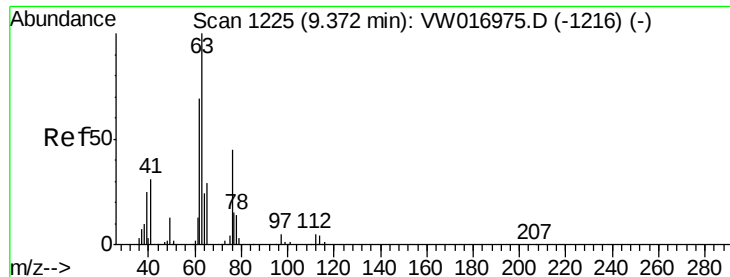


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 27.216 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW016988.D

Acq: 26 Oct 2020 09:44

Instrument :

MSVOA_W

ClientSampleId :

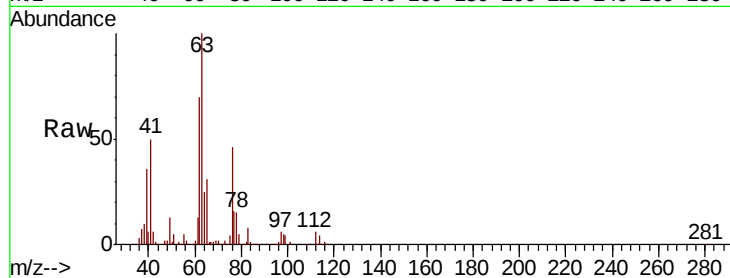
VSTD02524

Tot Ion: 63 Resp: 172627

Ion Ratio Lower Upper

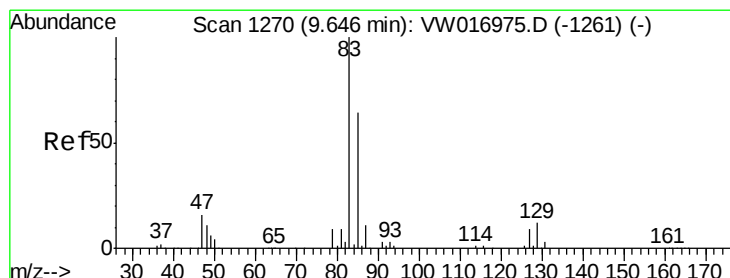
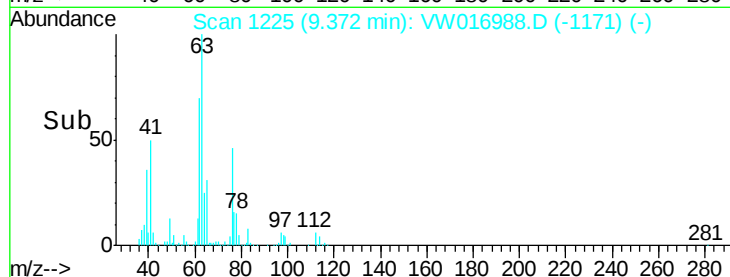
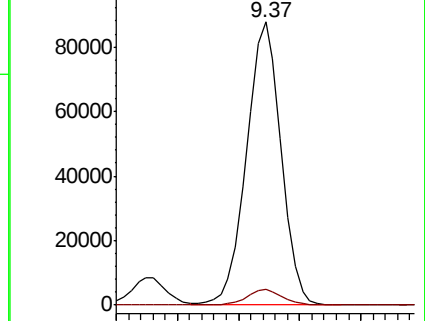
63 100

112 5.6 4.5 6.7



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 27.577 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW016988.D

Acq: 26 Oct 2020 09:44

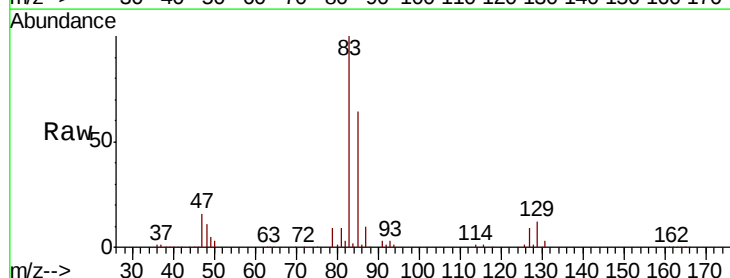
Tgt Ion: 83 Resp: 237406

Ion Ratio Lower Upper

83 100

85 63.8 45.1 83.9

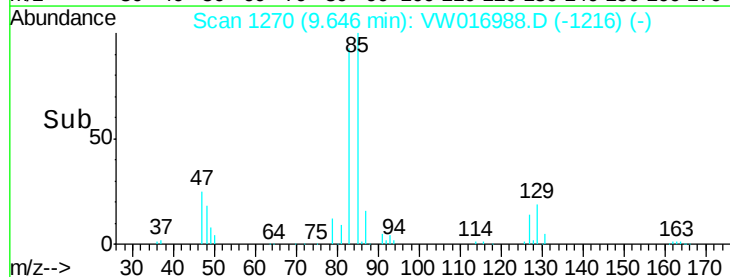
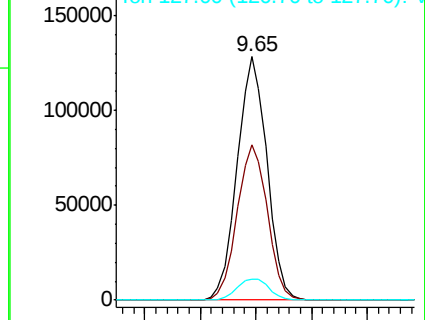
127 8.8 7.8 11.6

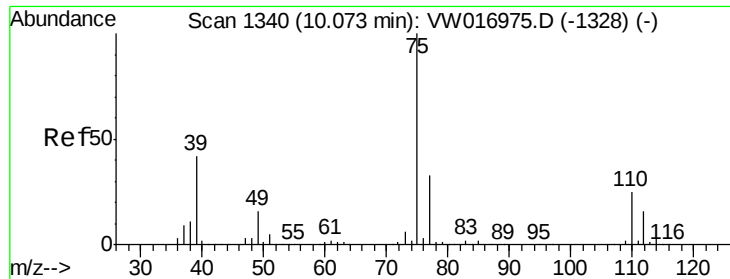


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 28.056 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW016988.D

Acq: 26 Oct 2020 09:44

Instrument :

MSVOA_W

ClientSampleId :

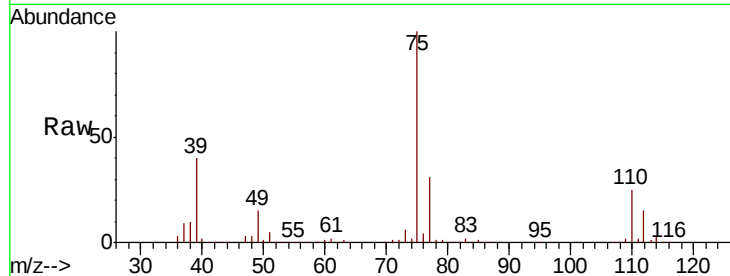
VSTD02524

Tot Ion: 75 Resp: 278271

Ion Ratio Lower Upper

75 100

77 31.3 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

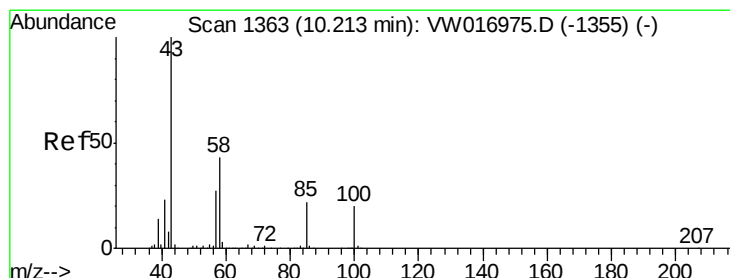
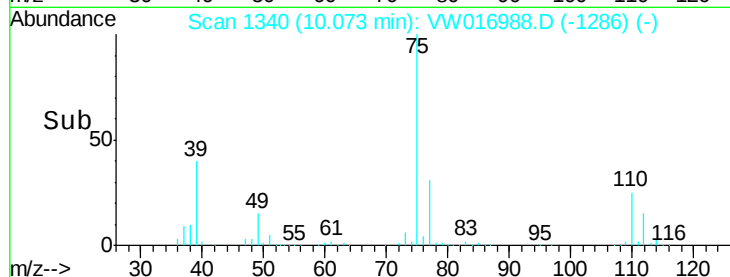
150000

100000

50000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 61.175 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016988.D

Acq: 26 Oct 2020 09:44

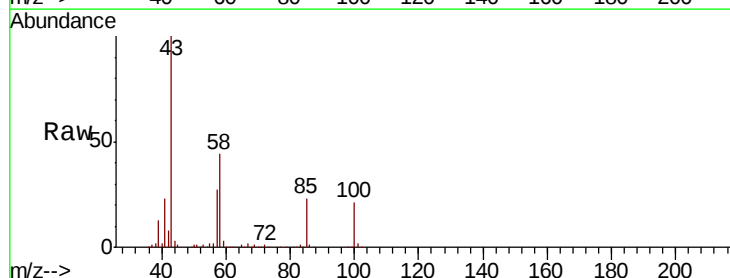
Tgt Ion: 43 Resp: 183927

Ion Ratio Lower Upper

43 100

58 43.8 34.4 51.6

100 20.5 16.2 24.2



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

250000

200000

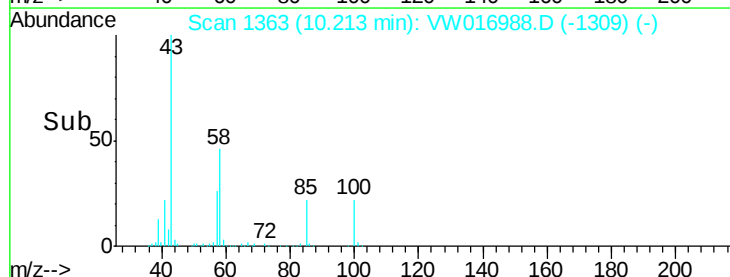
150000

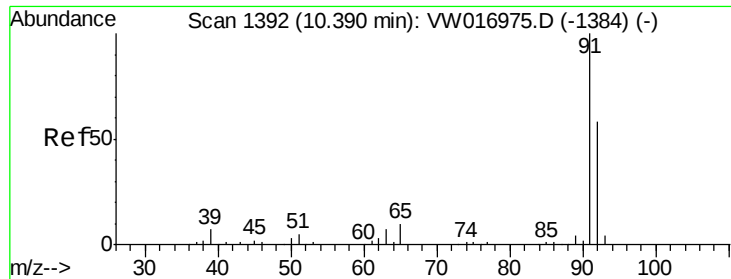
100000

50000

0

Time-->





#44

Toluene

Concen: 26.674 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016988.D

Acq: 26 Oct 2020 09:44

Instrument :

MSVOA_W

ClientSampleId :

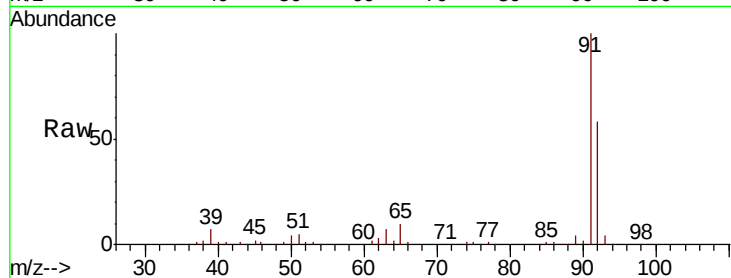
VSTD02524

Tot Ion: 91 Resp: 820794

Ion Ratio Lower Upper

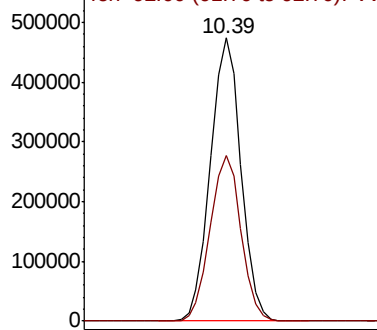
91 100

92 58.3 40.1 74.5

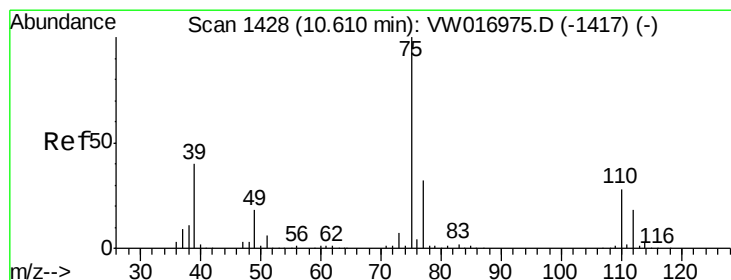
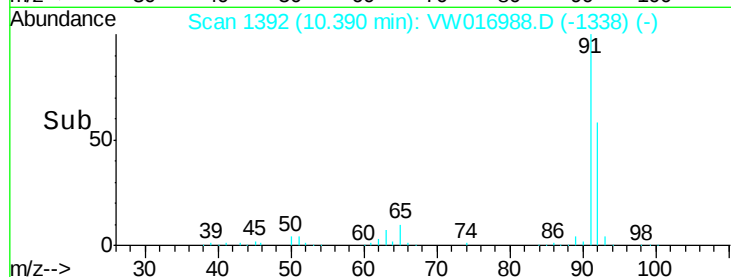


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



Time-->



#45

trans-1,3-Dichloropropene

Concen: 29.313 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016988.D

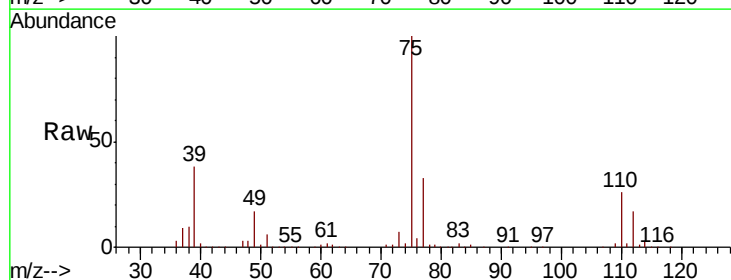
Acq: 26 Oct 2020 09:44

Tgt Ion: 75 Resp: 240842

Ion Ratio Lower Upper

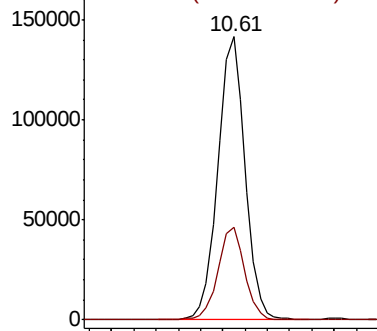
75 100

77 32.5 22.7 42.3

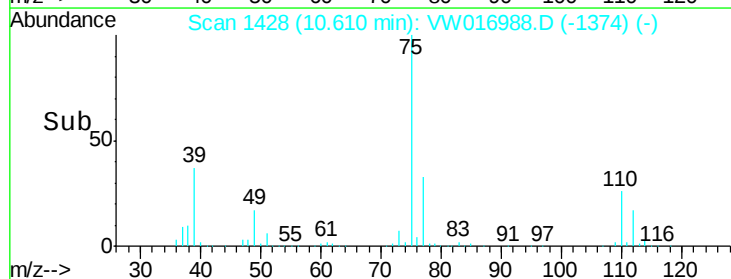


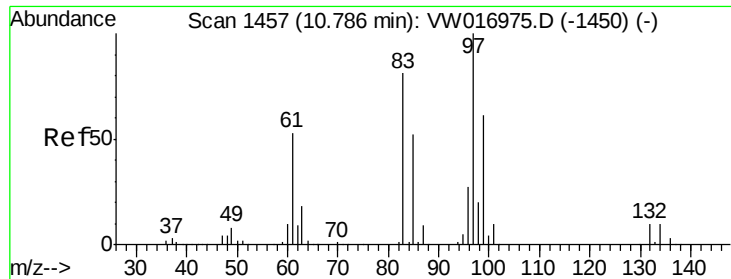
Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



Time-->

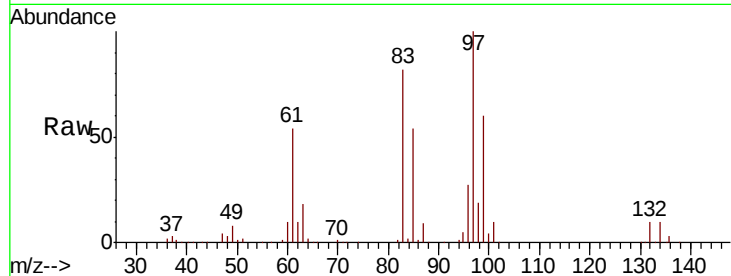




#46
 1,1,2-Trichloroethane
 Concen: 28.006 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW016988.D
 Acq: 26 Oct 2020 09:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

Tot Ion:	97	Resp:	142182
Ion	Ratio	Lower	Upper
97	100		
83	82.3	56.6	105.0
85	54.3	34.6	64.3
99	60.1	43.5	80.9



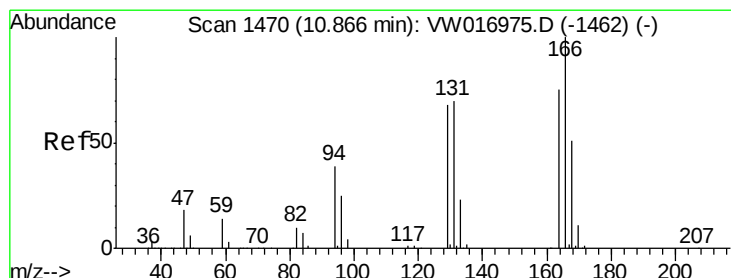
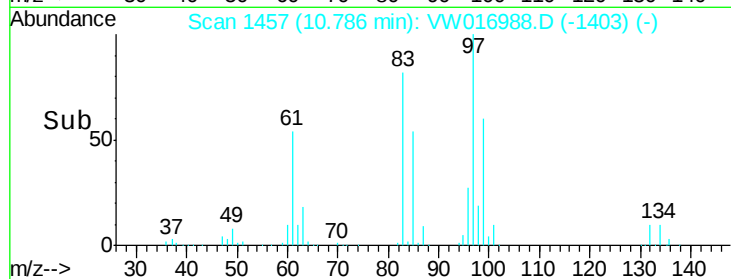
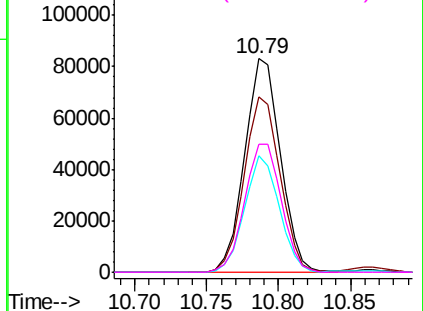
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
 Tetrachloroethene
 Concen: 25.150 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW016988.D
 Acq: 26 Oct 2020 09:44

Tgt Ion:	164	Resp:	181976
Ion	Ratio	Lower	Upper
164	100		
129	93.3	64.0	119.0
131	89.5	61.7	114.5
166	136.2	94.6	175.8

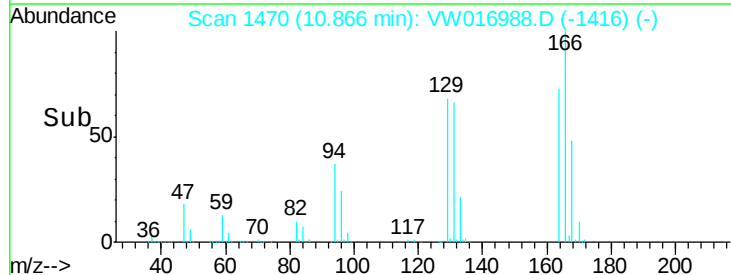
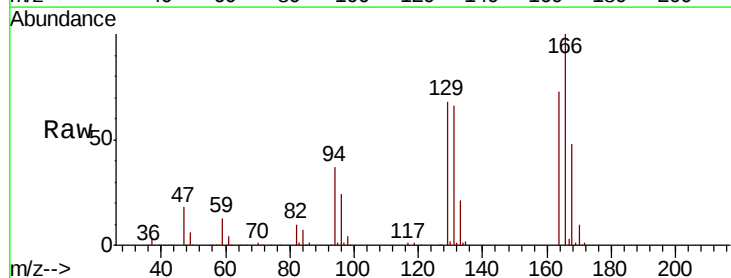
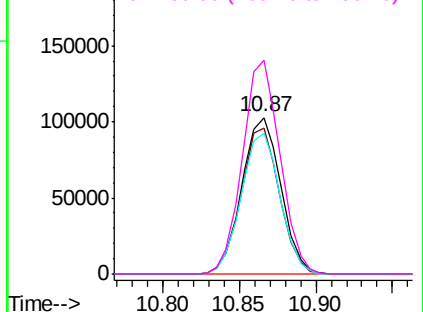
Abundance

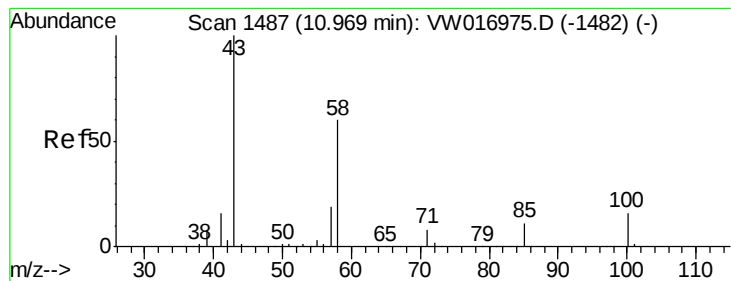
Ion 164.00 (163.70 to 164.70): V

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: 65.148 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW016988.D

Acq: 26 Oct 2020 09:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

Tot Ion: 43 Resp: 124832

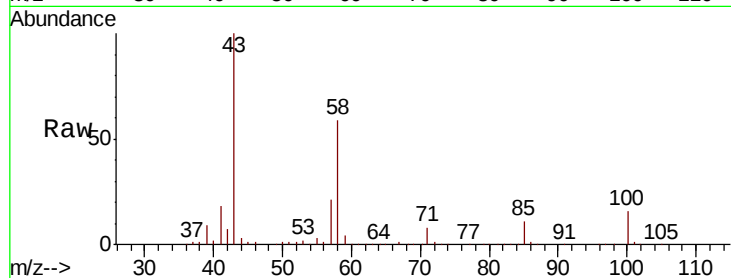
Ion Ratio Lower Upper

43 100

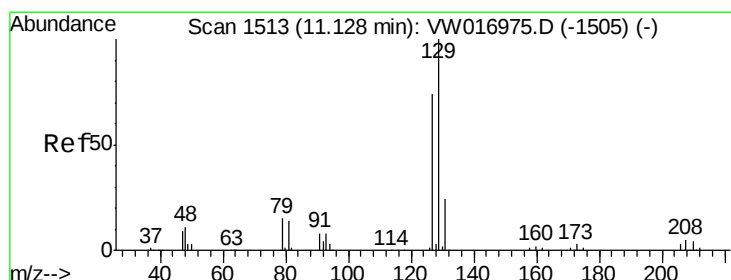
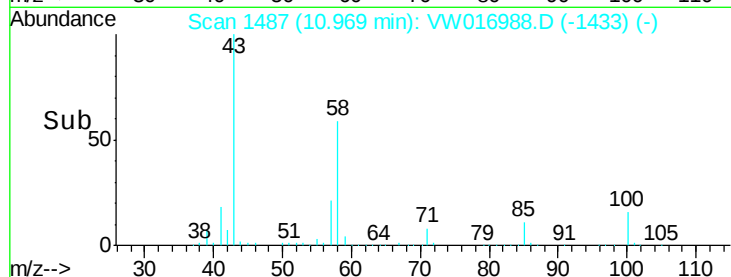
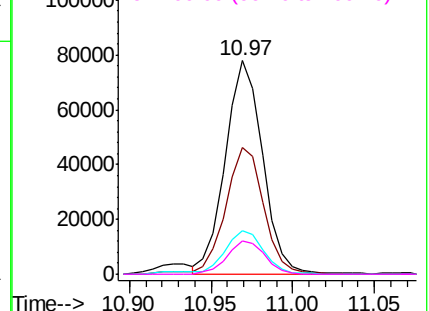
58 60.0 49.2 73.8

57 20.7 17.0 25.4

100 15.9 13.2 19.8



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



#50

Dibromochloromethane

Concen: 28.747 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW016988.D

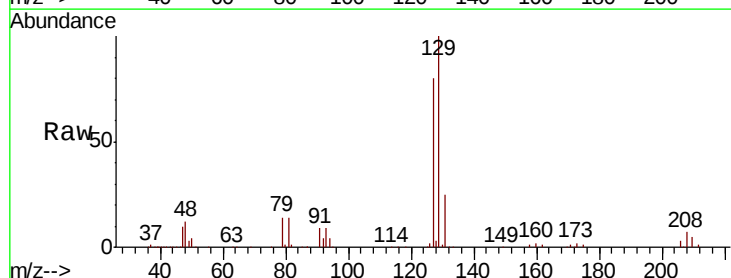
Acq: 26 Oct 2020 09:44

Tgt Ion: 129 Resp: 177791

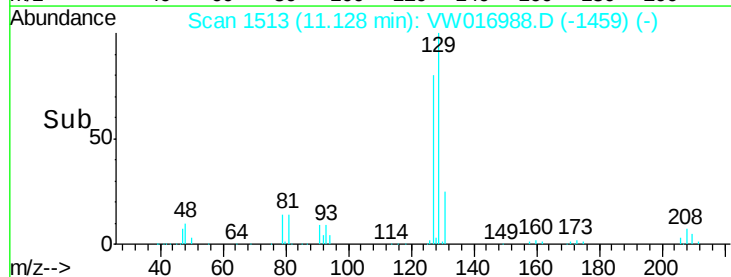
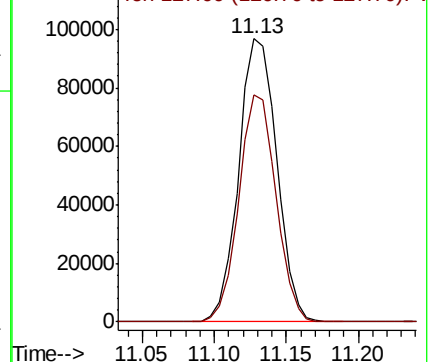
Ion Ratio Lower Upper

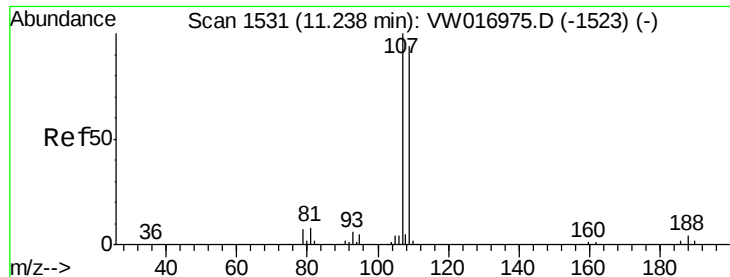
129 100

127 80.1 55.4 102.8



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

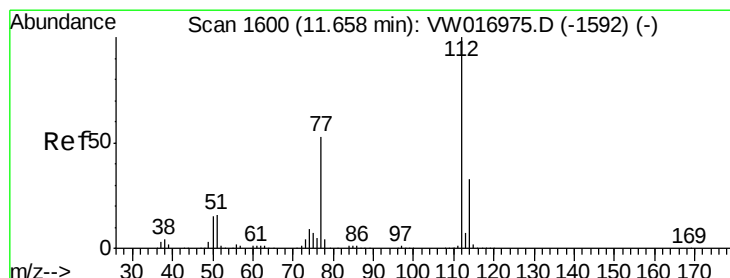
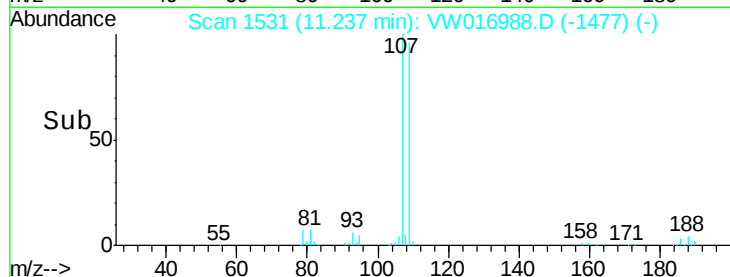
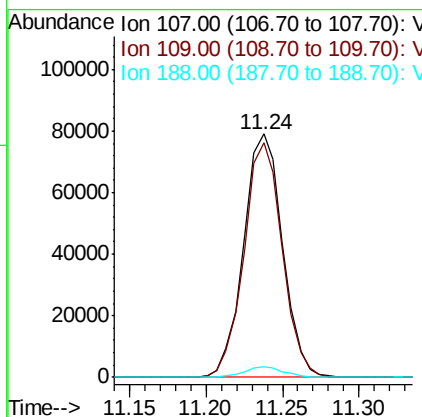
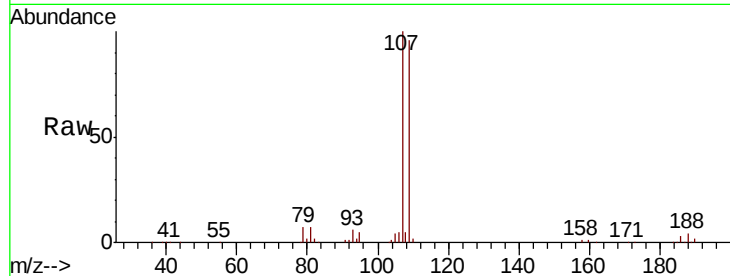




#51
1,2-Dibromoethane
Concen: 28.894 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW016988.D
Acq: 26 Oct 2020 09:44

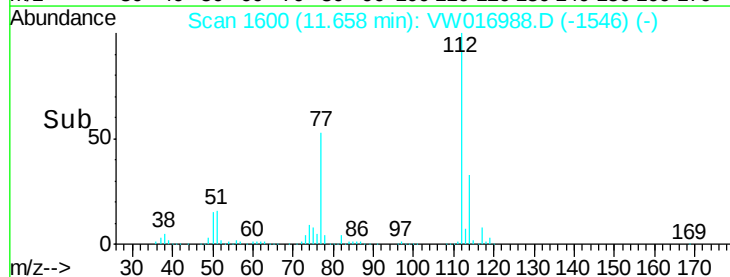
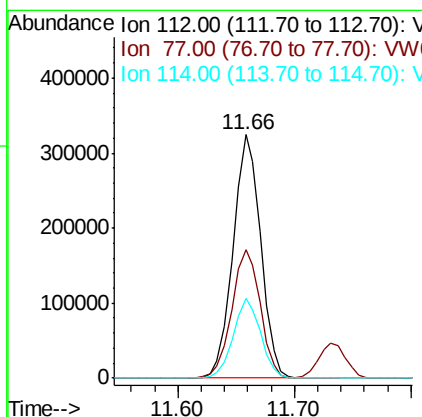
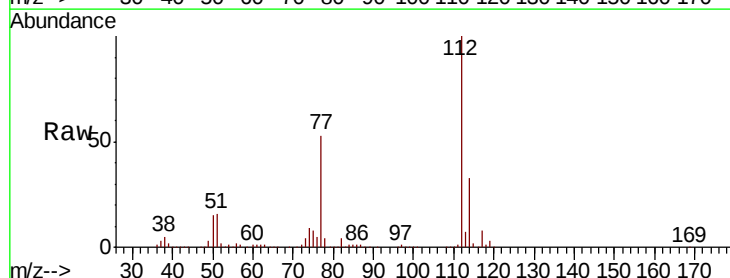
Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

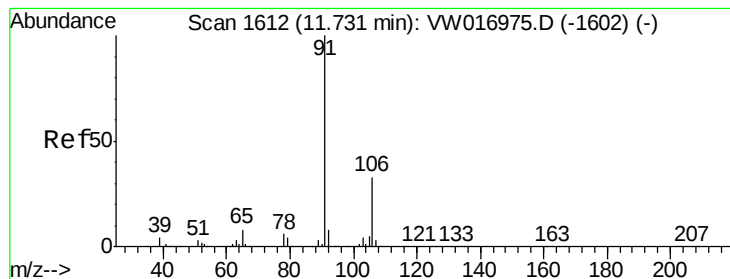
Tot Ion	Ratio	Lower	Upper
107	100		
109	96.1	65.7	121.9
188	4.5	3.1	4.7



#52
Chlorobenzene
Concen: 26.027 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW016988.D
Acq: 26 Oct 2020 09:44

Tgt Ion	Ratio	Lower	Upper
112	100		
77	52.8	42.5	63.7
114	32.7	22.3	41.3





#53

Ethylbenzene

Concen: 26.607 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW016988.D

Acq: 26 Oct 2020 09:44

Instrument :

MSVOA_W

ClientSampleId :

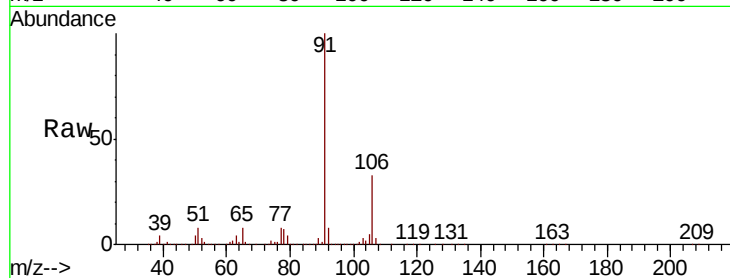
VSTD02524

Tot Ion: 91 Resp: 919464

Ion Ratio Lower Upper

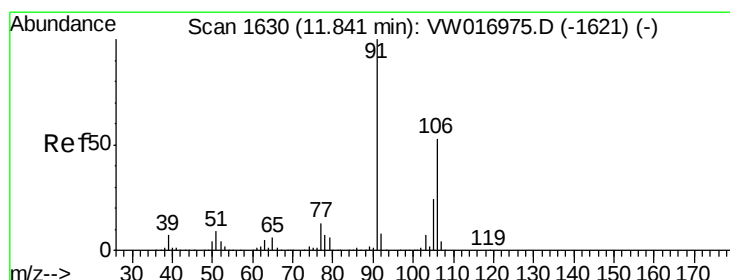
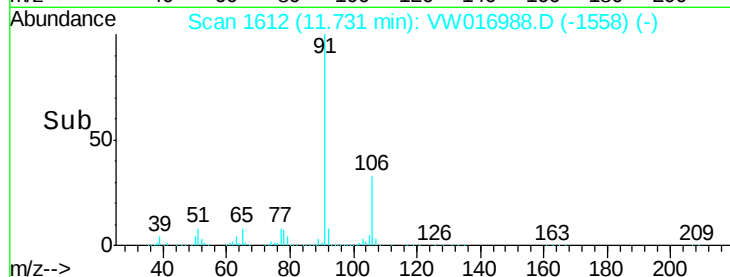
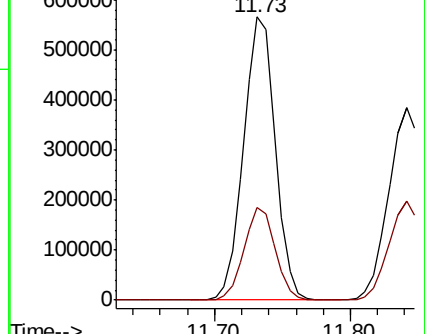
91 100

106 32.6 22.5 41.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 26.505 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW016988.D

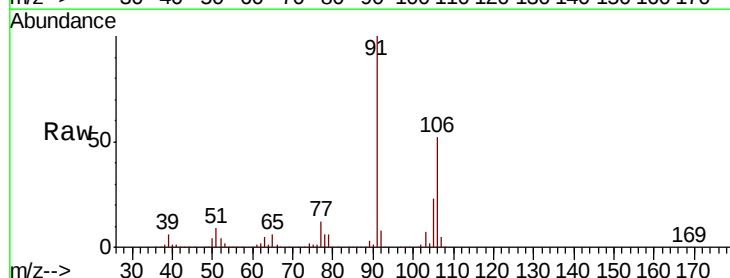
Acq: 26 Oct 2020 09:44

Tgt Ion: 106 Resp: 360354

Ion Ratio Lower Upper

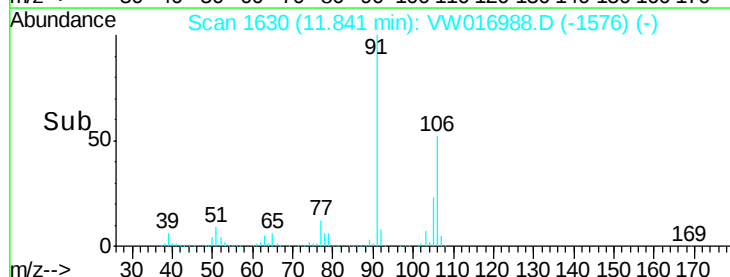
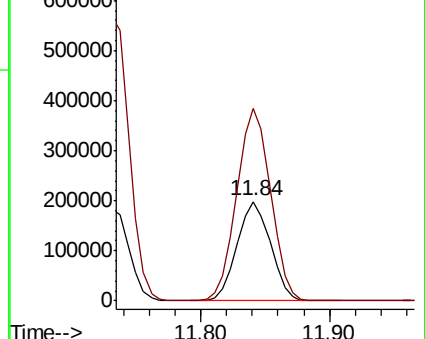
106 100

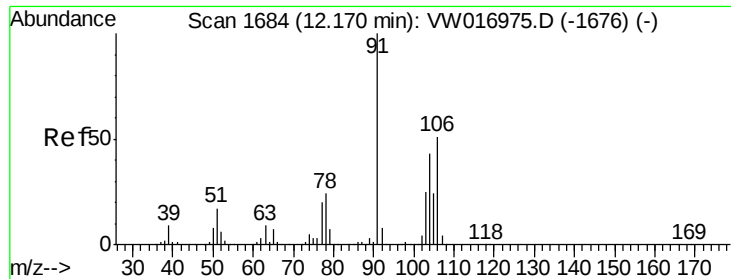
91 193.5 134.2 249.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

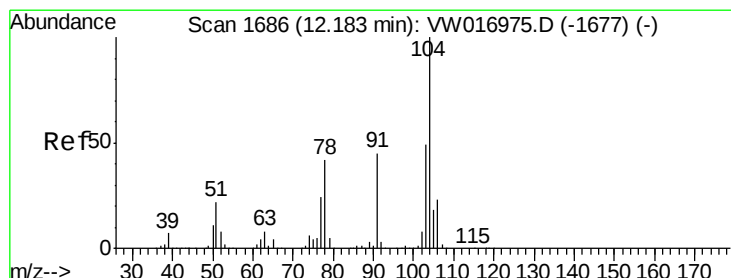
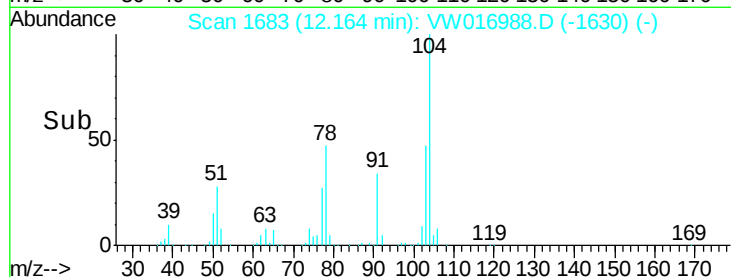
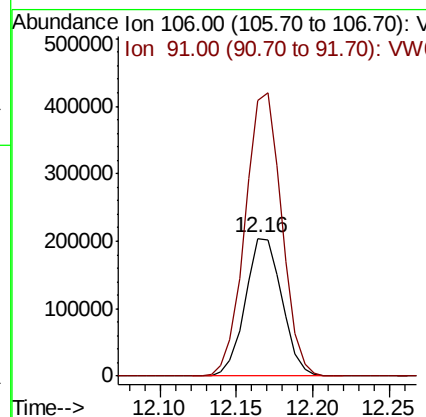
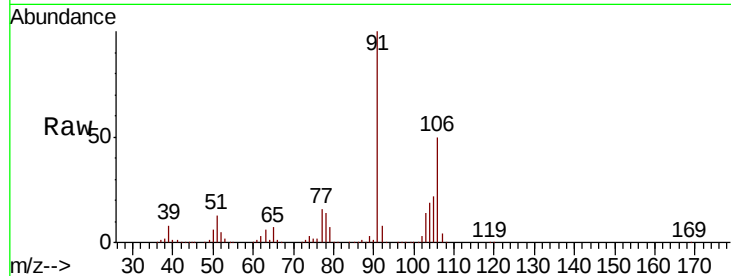




#55
o-xylene
Concen: 26.945 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW016988.D
Acq: 26 Oct 2020 09:44

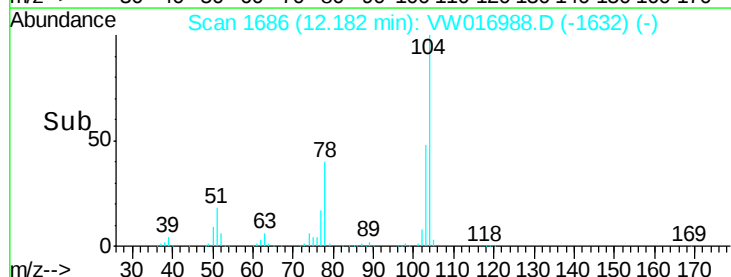
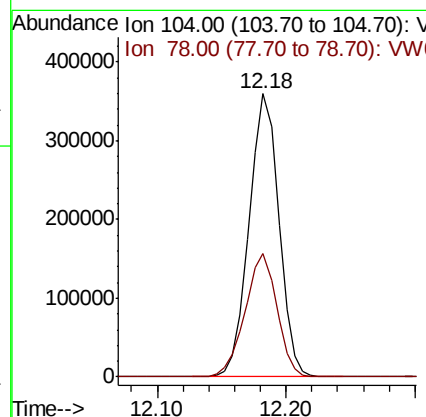
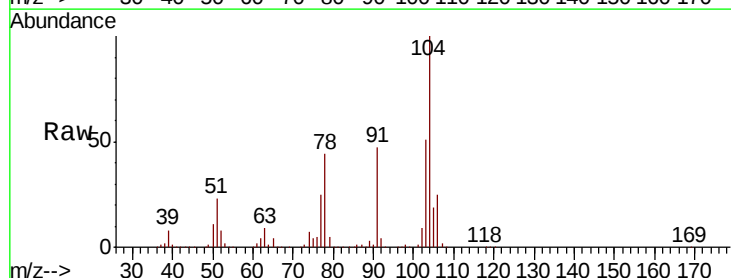
Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

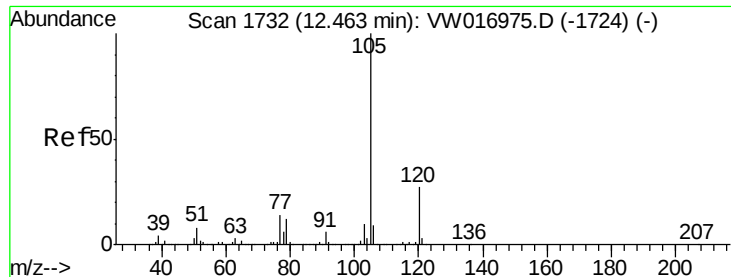
Tot Ion:106 Resp: 339343
Ion Ratio Lower Upper
106 100
91 200.0 150.9 280.3



#56
Styrene
Concen: 27.219 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016988.D
Acq: 26 Oct 2020 09:44

Tgt Ion:104 Resp: 573469
Ion Ratio Lower Upper
104 100
78 43.5 29.3 54.5





#57

Isopropylbenzene

Concen: 26.224 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016988.D

Acq: 26 Oct 2020 09:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

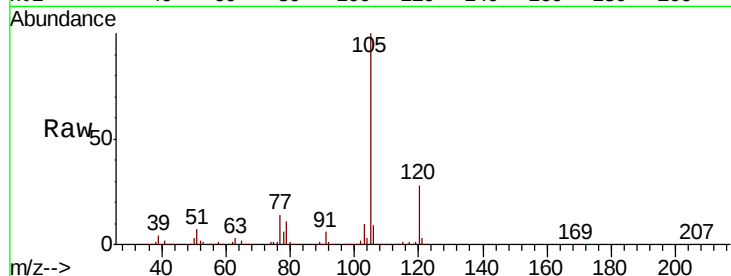
Tot Ion:105 Resp: 913496

Ion Ratio Lower Upper

105 100

120 27.9 21.4 32.2

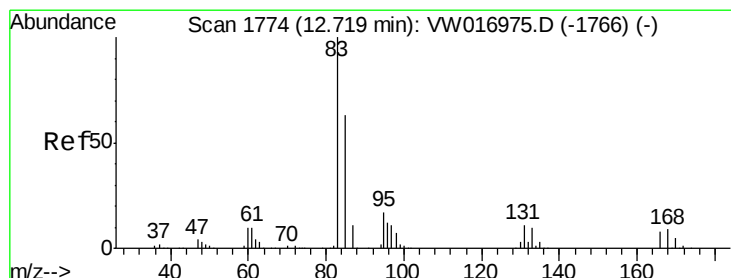
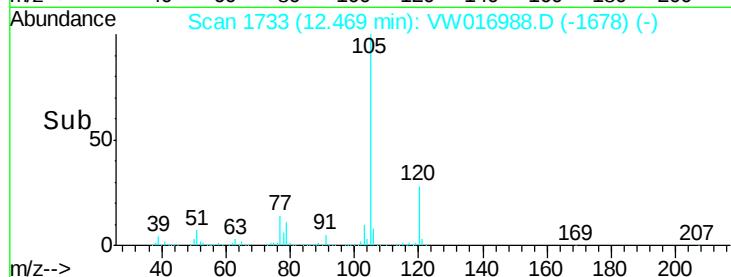
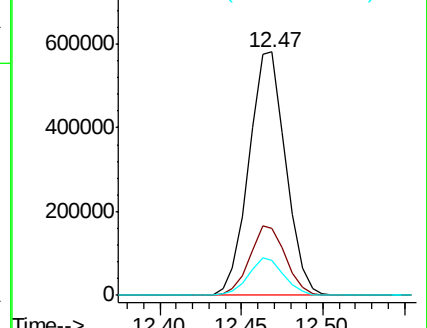
77 14.7 11.4 17.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 29.554 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW016988.D

Acq: 26 Oct 2020 09:44

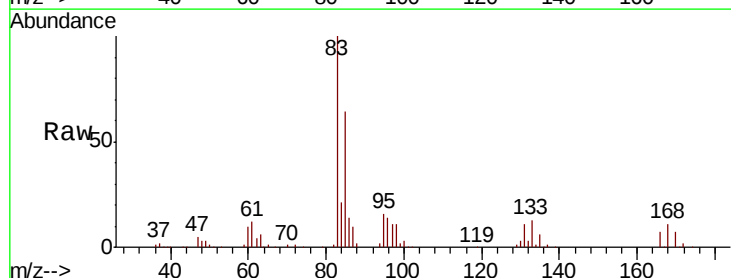
Tgt Ion: 83 Resp: 161049

Ion Ratio Lower Upper

83 100

85 63.6 45.1 83.7

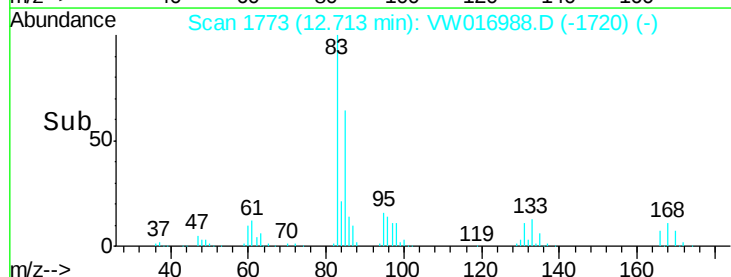
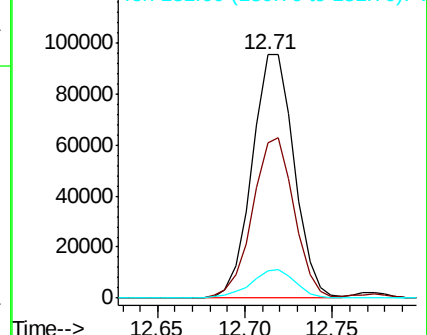
131 11.4 9.1 13.7

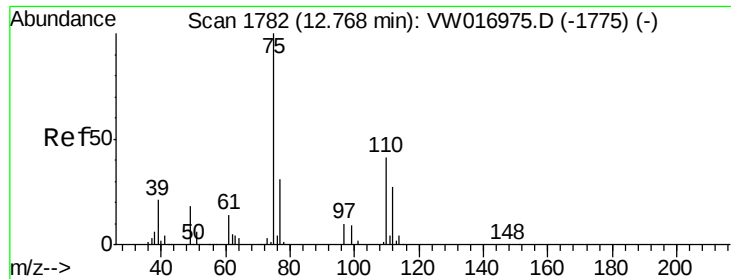


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 29.521 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW016988.D

Acq: 26 Oct 2020 09:44

Instrument :

MSVOA_W

ClientSampleId :

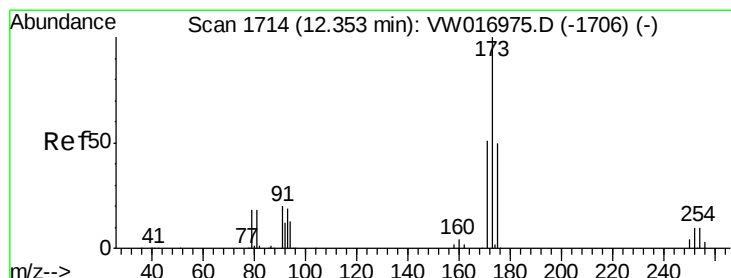
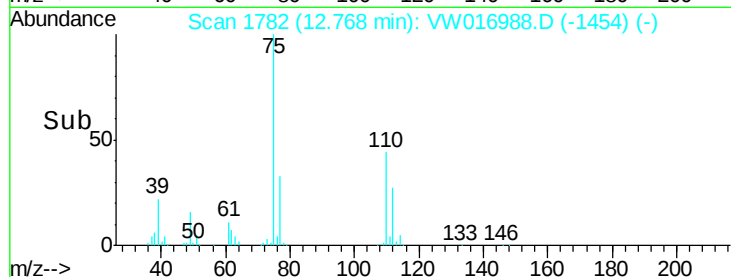
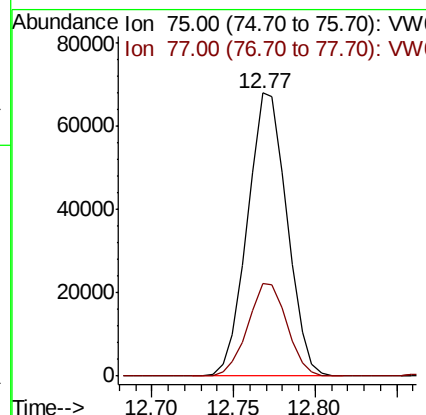
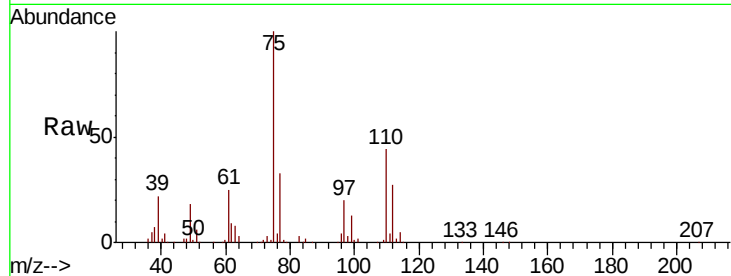
VSTD02524

Tot Ion: 75 Resp: 115122

Ion Ratio Lower Upper

75 100

77 32.6 25.8 38.8



#62

Bromoform

Concen: 29.877 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW016988.D

Acq: 26 Oct 2020 09:44

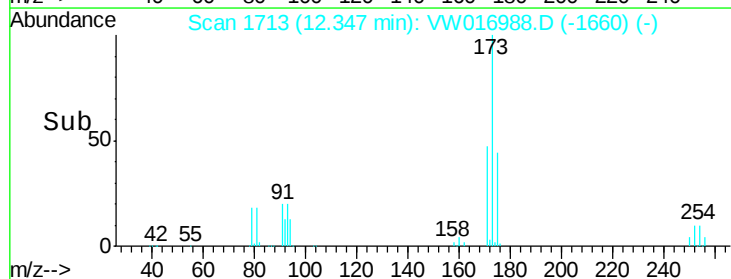
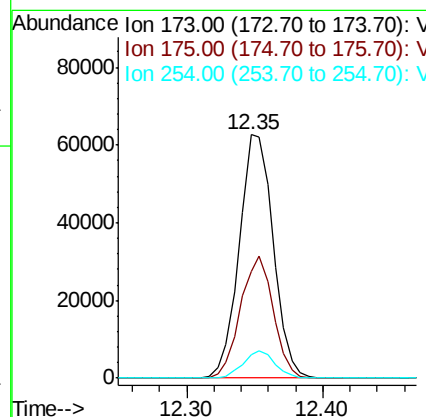
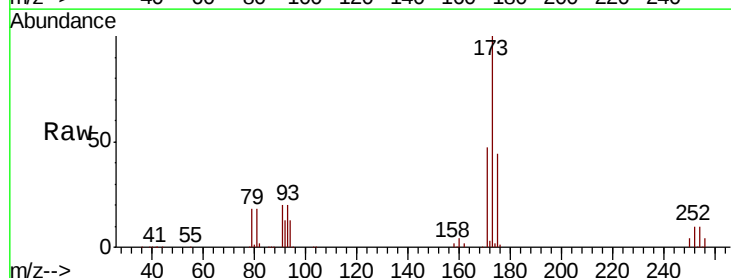
Tgt Ion: 173 Resp: 109509

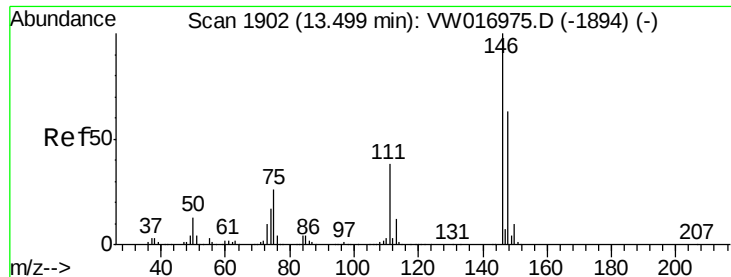
Ion Ratio Lower Upper

173 100

175 48.2 38.3 57.5

254 10.3 7.8 11.6

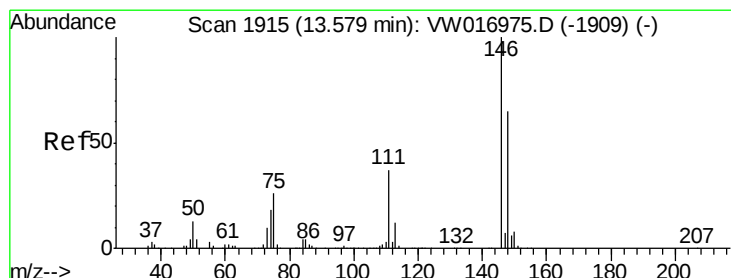
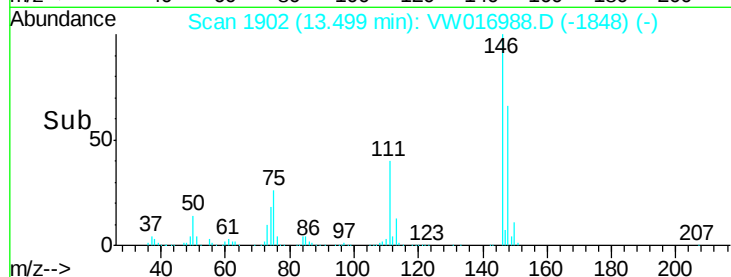
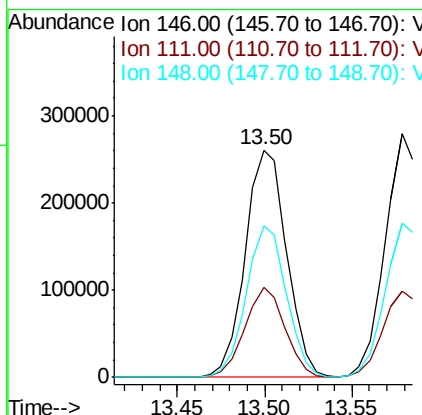
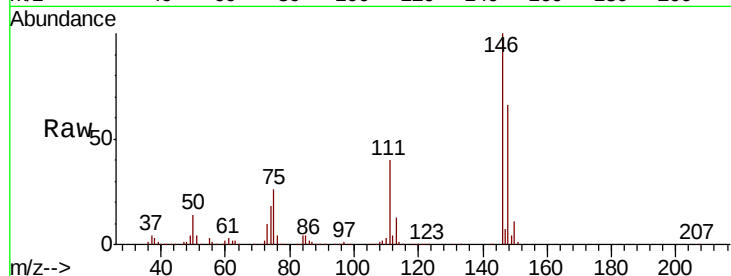




#63
 1,3-Dichlorobenzene
 Concen: 25.492 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016988.D
 Acq: 26 Oct 2020 09:44

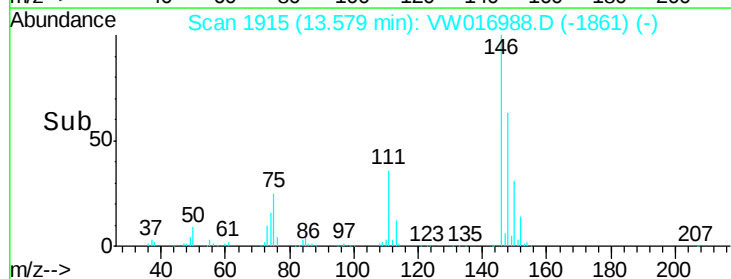
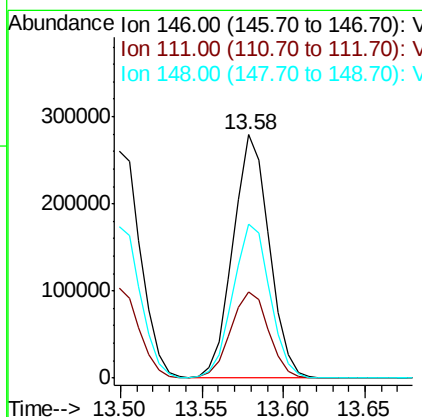
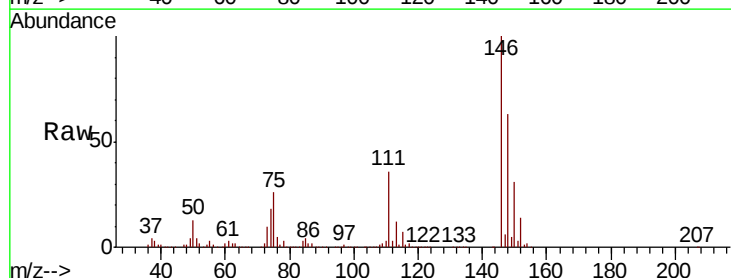
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

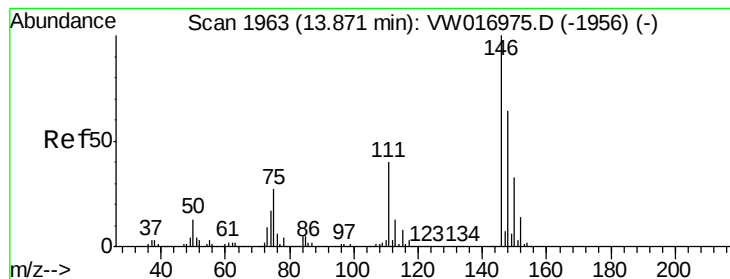
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	25.5	47.3
148	66.4	43.1	80.1



#64
 1,4-Dichlorobenzene
 Concen: 25.767 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016988.D
 Acq: 26 Oct 2020 09:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	25.7	47.7
148	63.3	44.3	82.3





#65

1,2-Dichlorobenzene

Concen: 25.970 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW016988.D

Acq: 26 Oct 2020 09:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

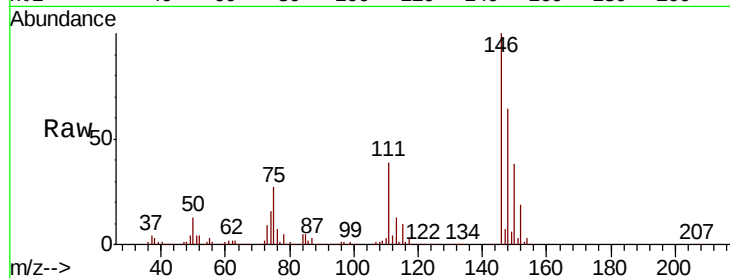
Tot Ion:146 Resp: 385569

Ion Ratio Lower Upper

146 100

111 39.5 31.4 47.0

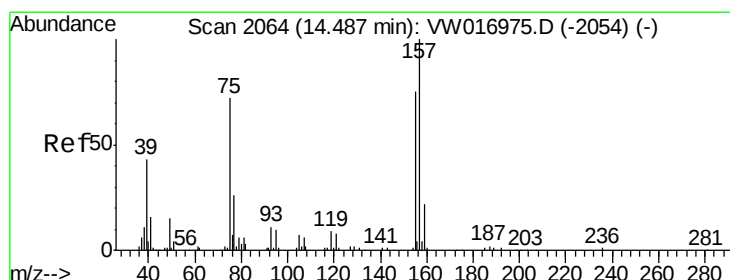
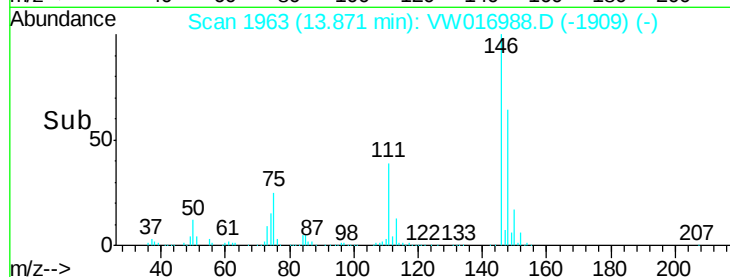
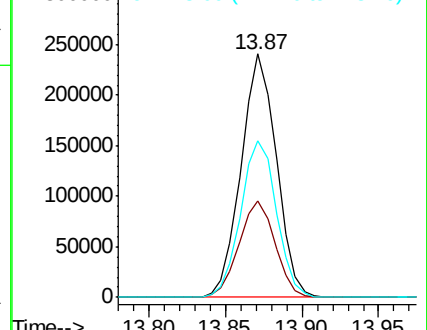
148 64.1 47.7 71.5



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: 31.614 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW016988.D

Acq: 26 Oct 2020 09:44

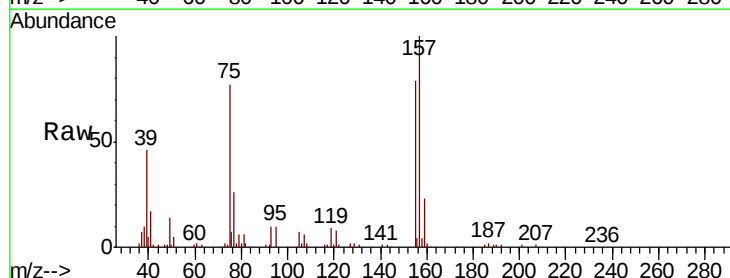
Tgt Ion: 75 Resp: 25533

Ion Ratio Lower Upper

75 100

157 129.9 102.5 153.7

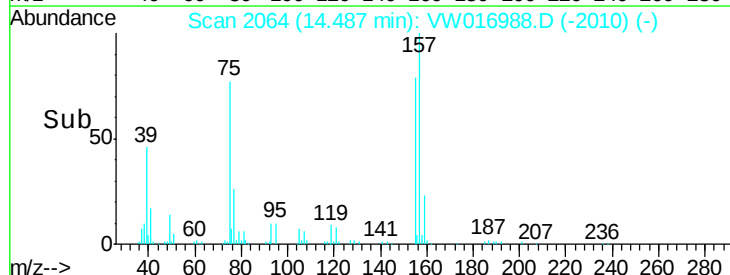
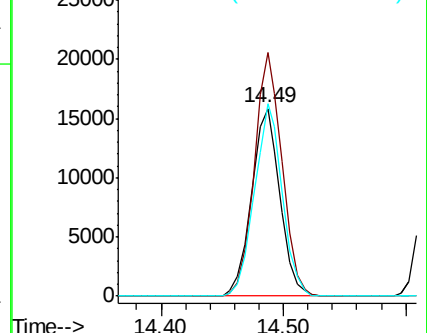
155 102.9 80.3 120.5

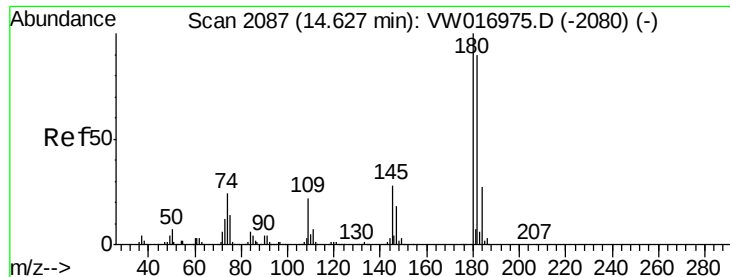


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

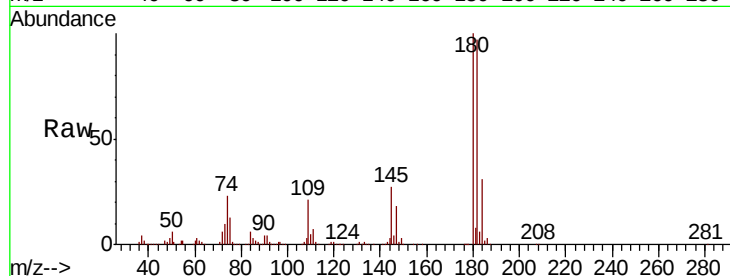




#67
 1,3,5-Trichlorobenzene
 Concen: 26.016 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW016988.D
 Acq: 26 Oct 2020 09:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

Tot Ion	180	Resp	320478
Ion Ratio	Lower	Upper	
180	100		
182	98.3	77.4	116.0
184	30.0	24.8	37.2
145	28.6	23.4	35.2



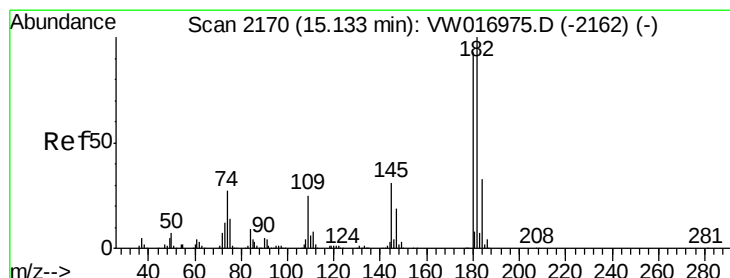
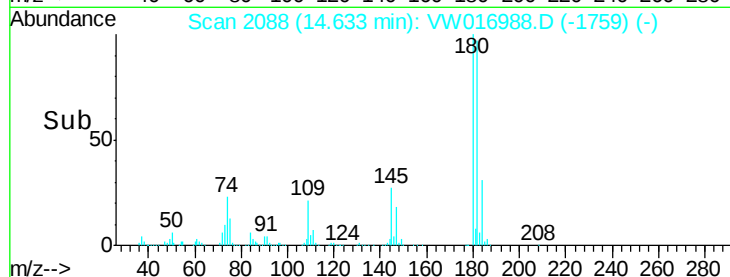
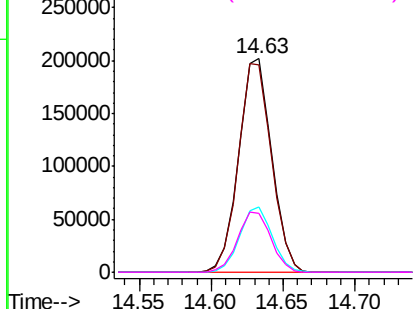
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

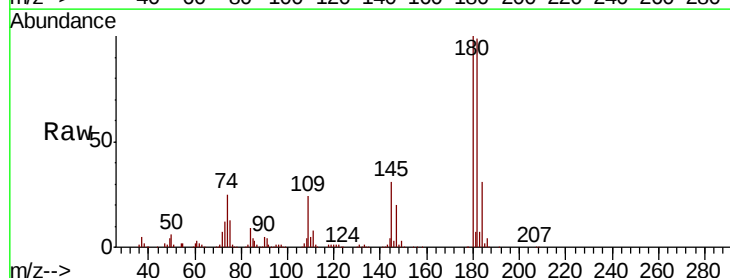
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 27.196 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016988.D
 Acq: 26 Oct 2020 09:44

Tgt Ion	180	Resp	259677
Ion Ratio	Lower	Upper	
180	100		
182	97.6	76.6	114.8
145	29.6	23.4	35.0

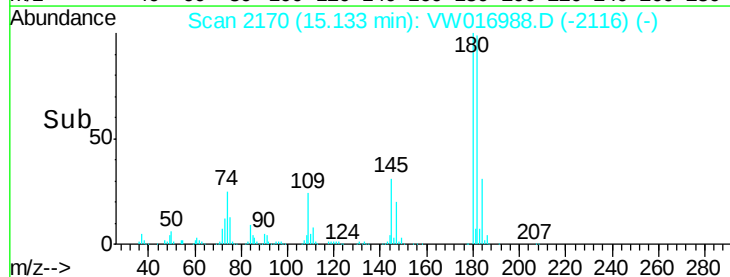
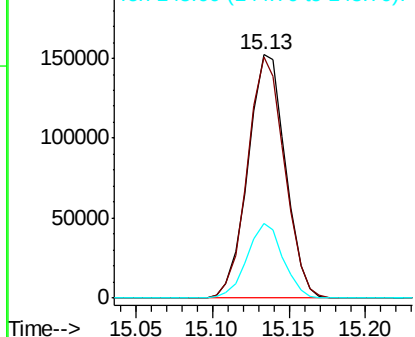


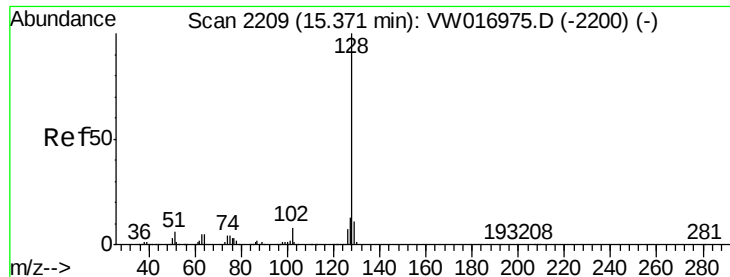
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 30.628 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW016988.D

Acq: 26 Oct 2020 09:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

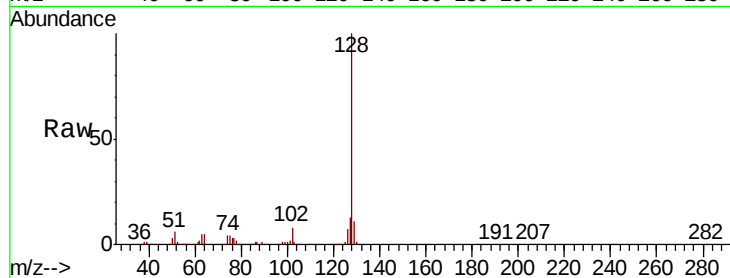
Tot Ion:128 Resp: 474350

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

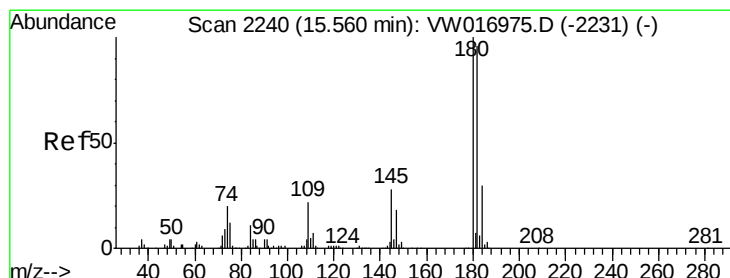
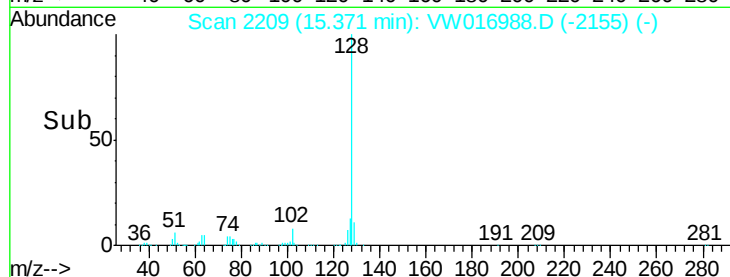
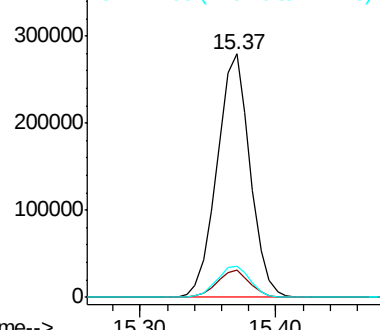
127 13.1 10.0 15.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 28.037 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW016988.D

Acq: 26 Oct 2020 09:44

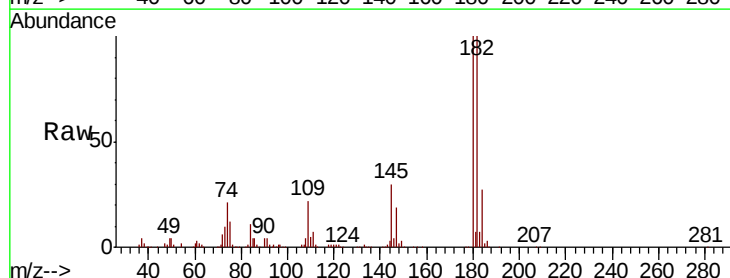
Tgt Ion:180 Resp: 233283

Ion Ratio Lower Upper

180 100

182 95.4 76.8 115.2

145 30.2 25.4 38.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

