

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091720\
 Data File : VW016569.D
 Acq On : 17 Sep 2020 10:23
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

Quant Time: Sep 18 01:43:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 18 01:30:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	601170	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	518508	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	260066	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	123716	21.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.04%
7) Chloroethane-d5	2.90	69	109271	23.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.00%
10) 1,1-Dichloroethene-d2	4.03	63	297088	22.84	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.36%
20) 2-Butanone-d5	7.08	46	66642	42.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.02%
24) Chloroform-d	7.65	84	318804	25.35	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.40%
26) 1,2-Dichloroethane-d4	8.31	65	150970	23.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.56%
29) Benzene-d6	8.28	84	546221	23.49	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.96%
33) 1,2-Dichloropropane-d6	9.28	67	158275	25.12	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.48%
37) Toluene-d8	10.33	98	506998	22.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.64%
38) trans-1,3-Dichloropropene-	10.58	79	77416	24.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.48%
39) 2-Hexanone-d5	10.93	63	53708	46.86	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.72%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	129799	24.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.84%
61) 1,2-Dichlorobenzene-d4	13.85	152	210130	25.29	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.16%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.03	85	197827	26.638	ug/L	95
3) Chloromethane	2.23	50	148446	27.317	ug/L	97
5) Vinyl chloride	2.37	62	215654	26.893	ug/L	99
6) Bromomethane	2.79	94	160125	26.316	ug/L	97
8) Chloroethane	2.94	64	127388	26.853	ug/L	98
9) Trichlorofluoromethane	3.27	101	214387	26.517	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.08	101	208807	26.958	ug/L	98
12) 1,1-Dichloroethene	4.05	96	206167	27.075	ug/L	94
13) Acetone	4.14	43	49232	39.615	ug/L	99
14) Carbon disulfide	4.39	76	618934	26.942	ug/L	99
15) Methyl Acetate	4.68	43	60388	21.340	ug/L	99
16) Methylene chloride	4.92	84	199167	21.480	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	252774	24.236	ug/L	100
18) trans-1,2-Dichloroethene	5.43	96	212564	26.956	ug/L	98
19) 1,1-Dichloroethane	6.23	63	334620	26.833	ug/L	100
21) 2-Butanone	7.18	43	77692	36.747	ug/L	96
22) cis-1,2-Dichloroethene	7.18	96	215766	26.371	ug/L	95

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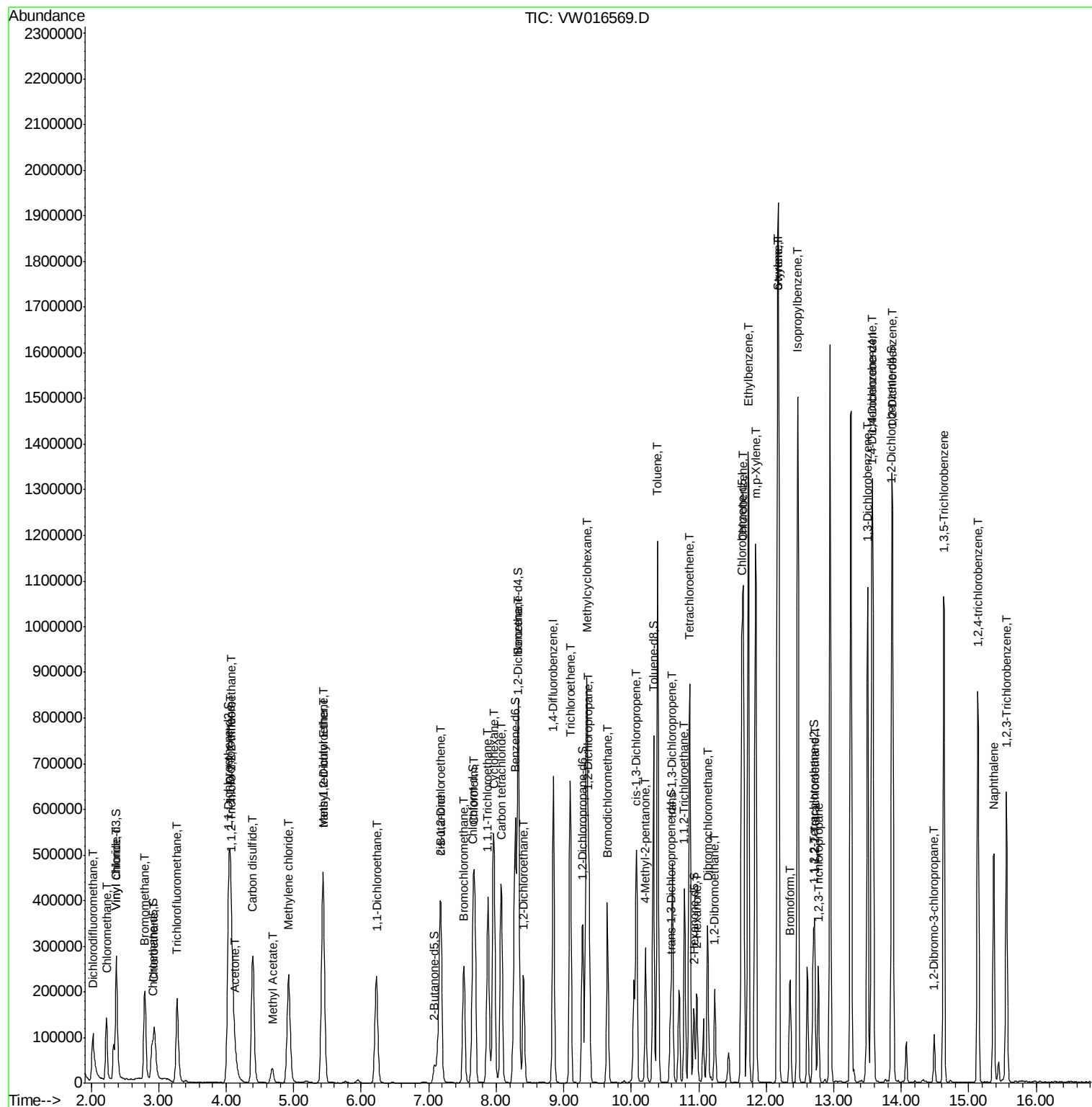
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	99123	24.920	ug/L	98
25) Chloroform	7.68	83	356874	26.248	ug/L	99
27) 1,2-Dichloroethane	8.40	62	217306	24.910	ug/L	98
30) Cyclohexane	7.96	56	313164	27.638	ug/L	100
31) 1,1,1-Trichloroethane	7.88	97	339174	28.008	ug/L	99
32) Carbon tetrachloride	8.07	117	336107	28.568	ug/L	97
34) Benzene	8.33	78	760628	27.369	ug/L	100
35) Trichloroethene	9.10	95	225711	28.071	ug/L	98
36) Methylcyclohexane	9.34	83	380995	27.935	ug/L	99
40) 1,2-Dichloropropane	9.37	63	173605	26.858	ug/L	99
41) Bromodichloromethane	9.65	83	258979	27.037	ug/L	96
42) cis-1,3-Dichloropropene	10.08	75	297310	26.929	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	181097	44.098	ug/L	100
44) Toluene	10.39	91	871154	27.877	ug/L	94
45) trans-1,3-Dichloropropene	10.61	75	253400	26.379	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	134322	24.667	ug/L	95
47) Tetrachloroethene	10.87	164	209175	28.810	ug/L	94
49) 2-Hexanone	10.97	43	119070	45.686	ug/L	99
50) Dibromochloromethane	11.13	129	185503	26.092	ug/L	100
51) 1,2-Dibromoethane	11.24	107	134190	24.613	ug/L	92
52) Chlorobenzene	11.66	112	571189	27.211	ug/L	99
53) Ethylbenzene	11.73	91	997680	28.120	ug/L	96
54) m,p-Xylene	11.84	106	389216	28.016	ug/L	98
55) o-xylene	12.17	106	366416	27.530	ug/L	96
56) Styrene	12.18	104	614315	27.795	ug/L	100
57) Isopropylbenzene	12.47	105	1027201	28.244	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	145939	23.966	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	102883	22.684	ug/L	99
62) Bromoform	12.35	173	106671	24.318	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	459350	27.155	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	439543	26.533	ug/L	91
65) 1,2-Dichlorobenzene	13.87	146	410851	27.182	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	24813	22.902	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	349513	28.252	ug/L	96
68) 1,2,4-trichlorobenzene	15.13	180	288688	28.847	ug/L	98
69) Naphthalene	15.37	128	455171	25.657	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	233498	27.128	ug/L	98

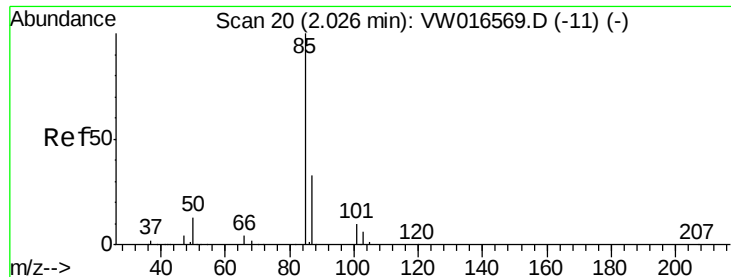
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#2

Dichlorodifluoromethane

Concen: 26.638 ug/L

RT: 2.03 min Scan# 20

Delta R.T. -0.01 min

Lab File: VW016569.D

Acq: 17 Sep 2020 10:23

Instrument :

MSVOA_W

ClientSampleId :

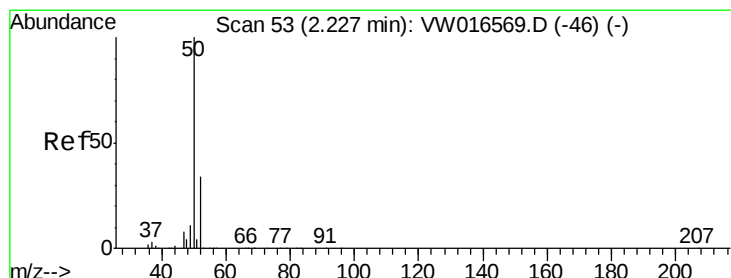
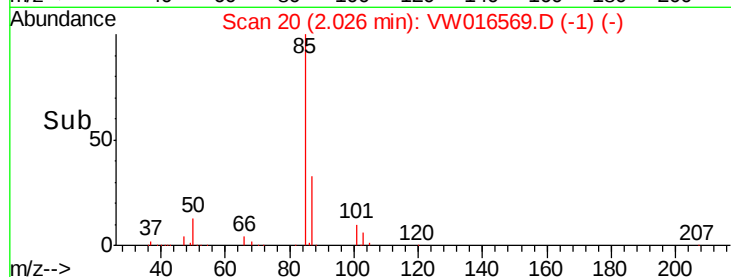
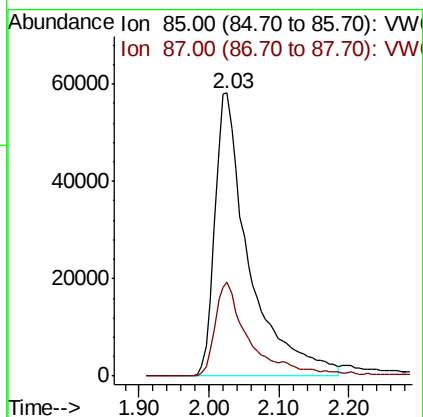
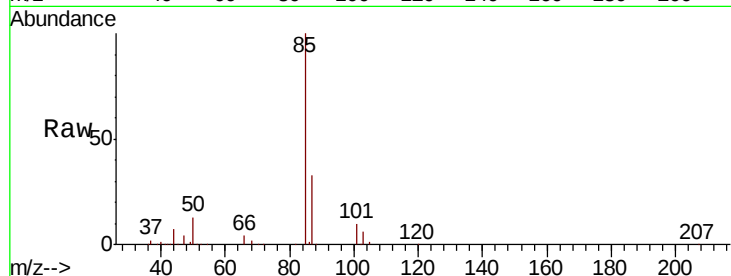
VSTD02522

Tot Ion: 85 Resp: 197827

Ion Ratio Lower Upper

85 100

87 29.0 22.2 41.2



#3

Chloromethane

Concen: 27.317 ug/L

RT: 2.23 min Scan# 53

Delta R.T. 0.00 min

Lab File: VW016569.D

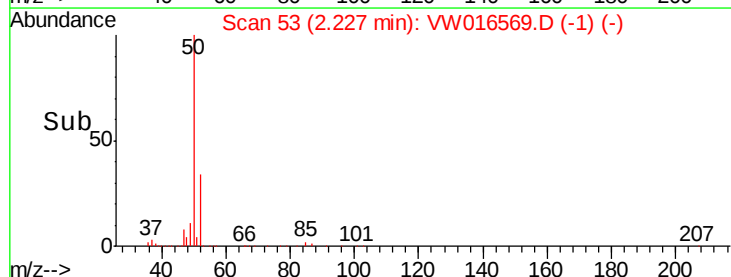
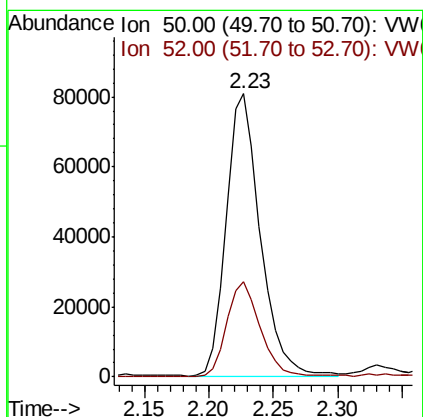
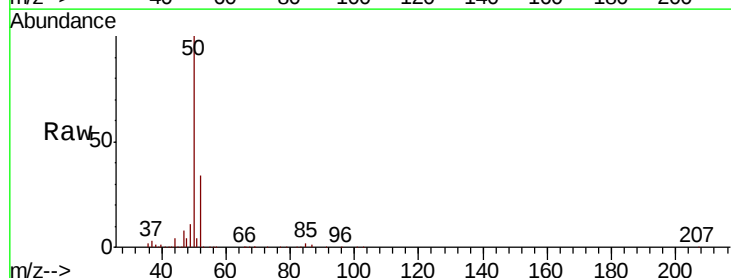
Acq: 17 Sep 2020 10:23

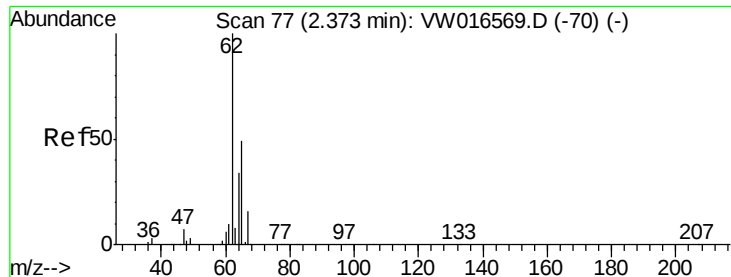
Tgt Ion: 50 Resp: 148446

Ion Ratio Lower Upper

50 100

52 33.7 22.4 41.6





#5

Vinyl chloride

Concen: 26.893 ug/L

RT: 2.37 min Scan# 77

Delta R.T. -0.01 min

Lab File: VW016569.D

Acq: 17 Sep 2020 10:23

Instrument :

MSVOA_W

ClientSampleId :

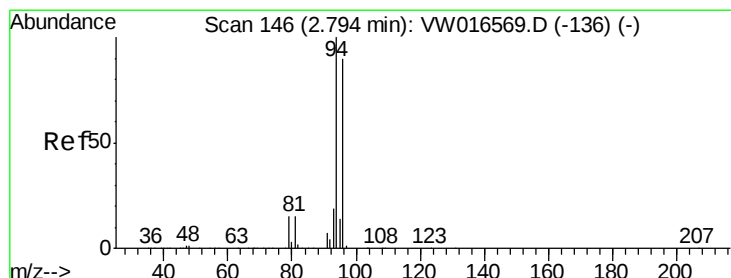
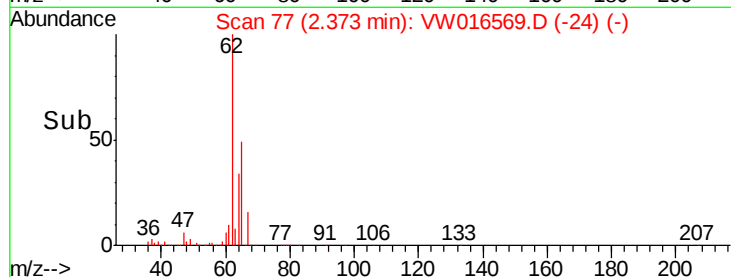
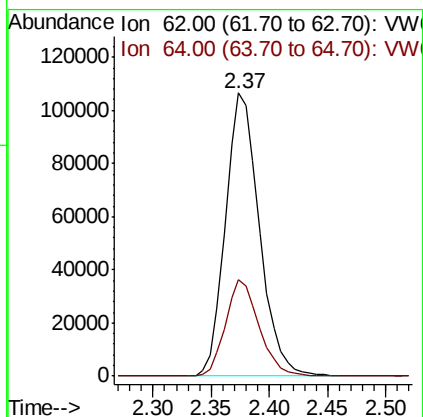
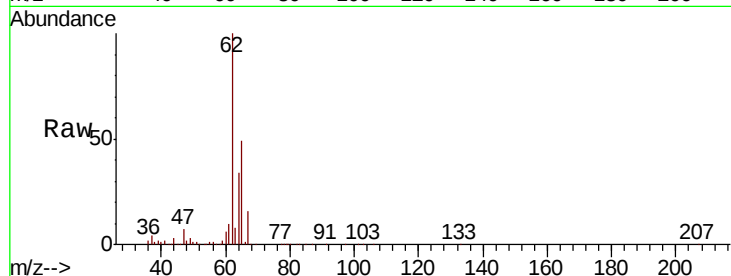
VSTD02522

Tot Ion: 62 Resp: 215654

Ion Ratio Lower Upper

62 100

64 34.2 23.4 43.4



#6

Bromomethane

Concen: 26.316 ug/L

RT: 2.79 min Scan# 146

Delta R.T. 0.00 min

Lab File: VW016569.D

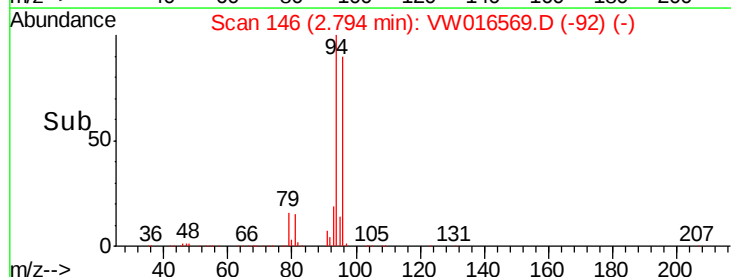
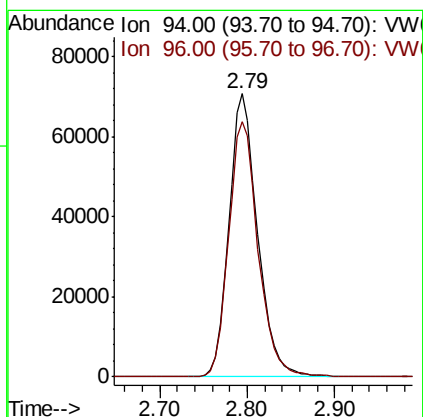
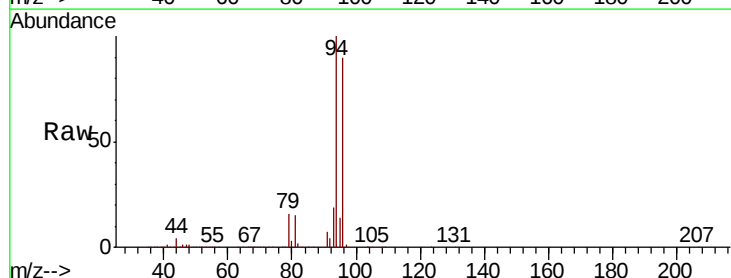
Acq: 17 Sep 2020 10:23

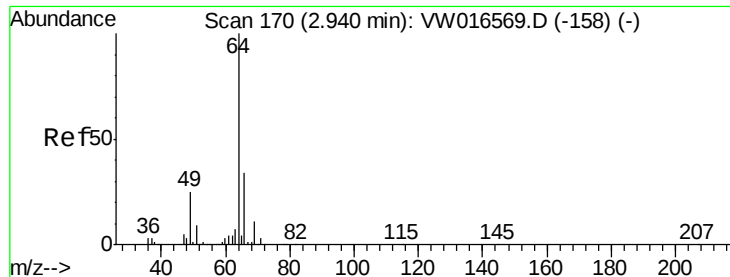
Tgt Ion: 94 Resp: 160125

Ion Ratio Lower Upper

94 100

96 92.9 9.6 181.6





#8

Chloroethane

Concen: 26.853 ug/L

RT: 2.94 min Scan# 170

Delta R.T. -0.01 min

Lab File: VW016569.D

Acq: 17 Sep 2020 10:23

Instrument :

MSVOA_W

ClientSampleId :

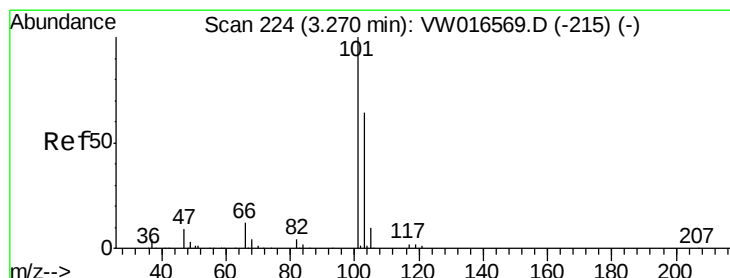
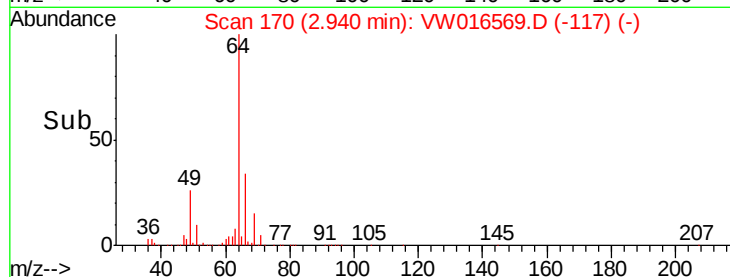
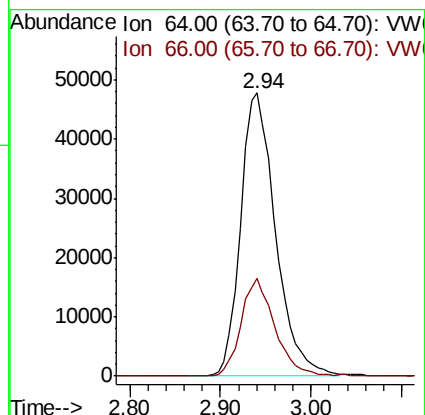
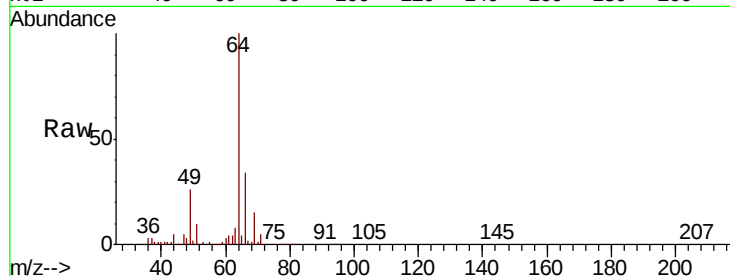
VSTD02522

Tot Ion: 64 Resp: 127388

Ion Ratio Lower Upper

64 100

66 34.4 23.2 43.2



#9

Trichlorofluoromethane

Concen: 26.517 ug/L

RT: 3.27 min Scan# 224

Delta R.T. -0.01 min

Lab File: VW016569.D

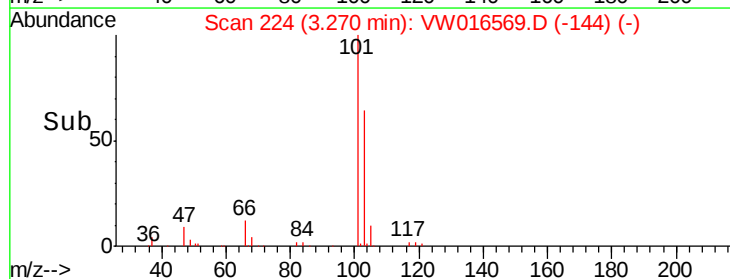
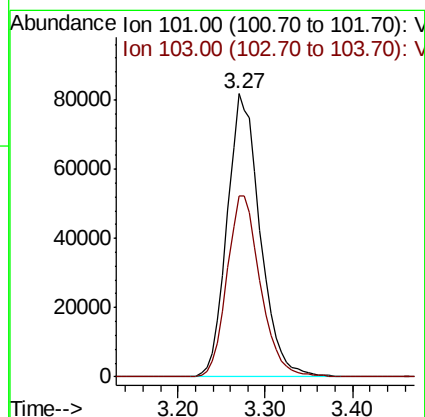
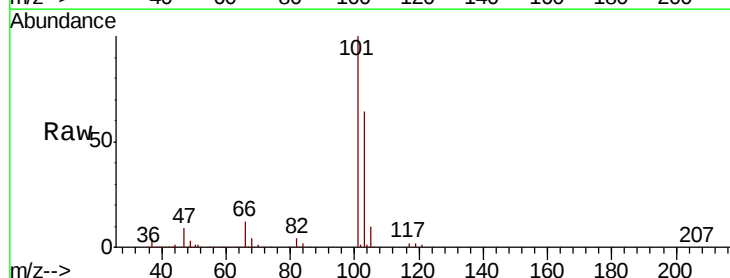
Acq: 17 Sep 2020 10:23

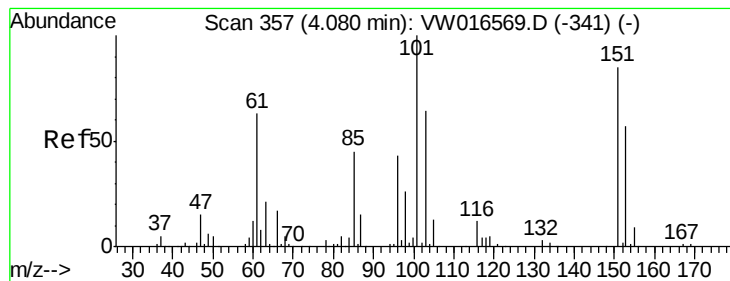
Tgt Ion: 101 Resp: 214387

Ion Ratio Lower Upper

101 100

103 65.0 45.2 84.0





#11

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

Concen: 26.958 ug/L

RT: 4.08 min Scan# 357

Delta R.T. -0.01 min

Lab File: VW016569.D

Acq: 17 Sep 2020 10:23

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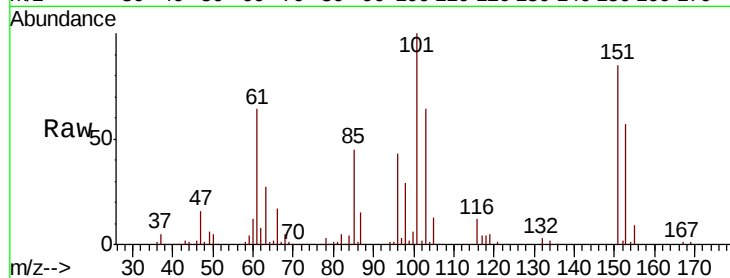
Tot Ion:101 Resp: 208807

Ion Ratio Lower Upper

101 100

85 43.4 32.6 49.0

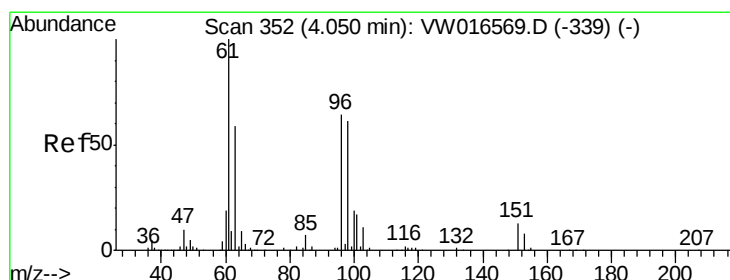
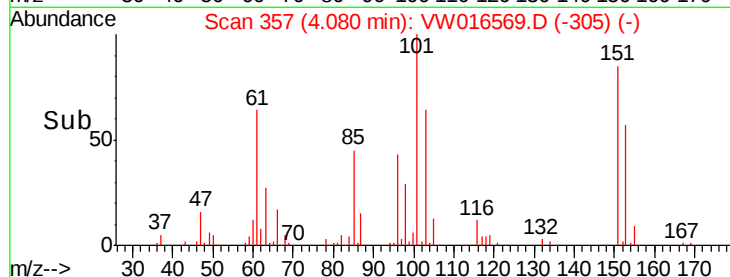
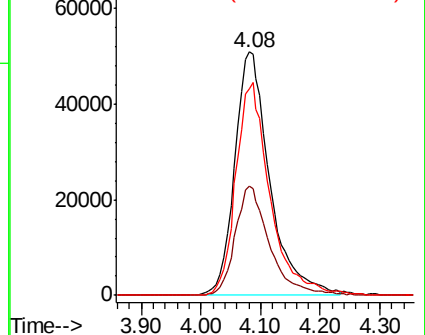
151 82.9 66.0 99.0



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: 27.075 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW016569.D

Acq: 17 Sep 2020 10:23

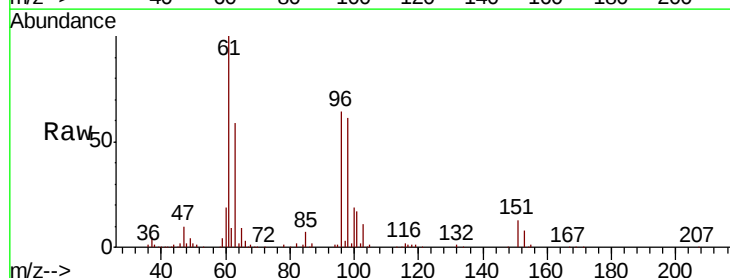
Tgt Ion: 96 Resp: 206167

Ion Ratio Lower Upper

96 100

61 155.6 111.4 206.8

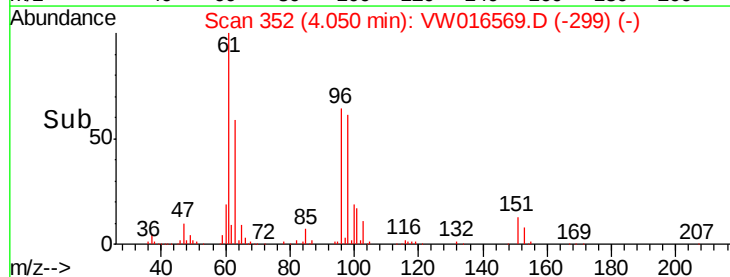
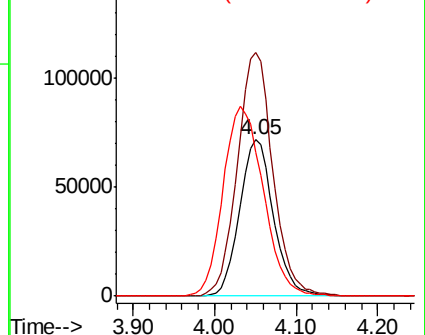
63 91.7 73.0 135.6

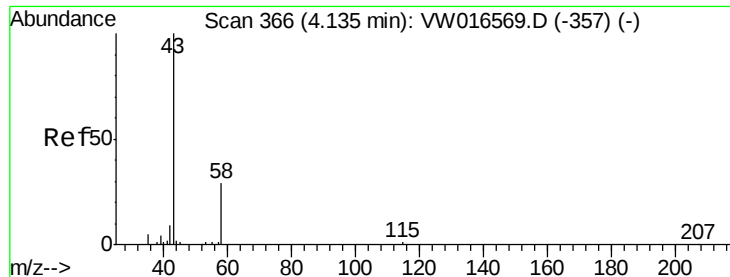


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 39.615 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW016569.D

Acq: 17 Sep 2020 10:23

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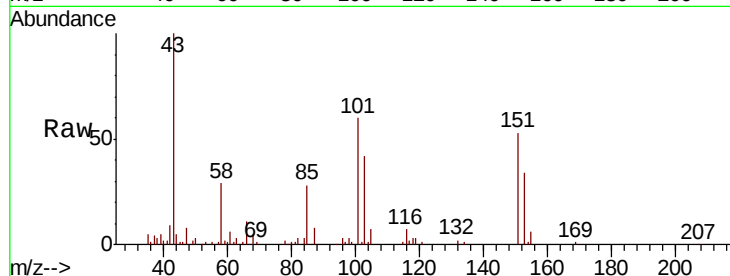
VSTD02522

Tot Ion: 43 Resp: 49232

Ion Ratio Lower Upper

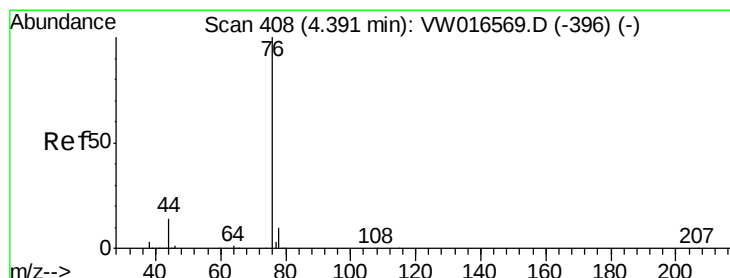
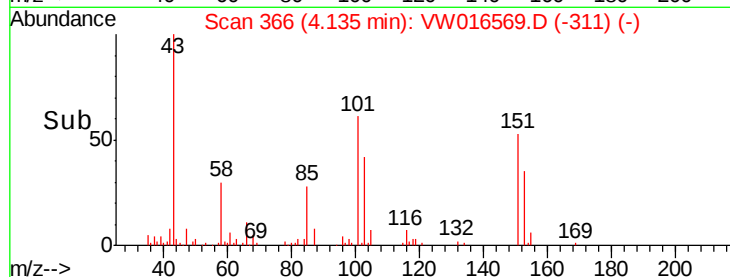
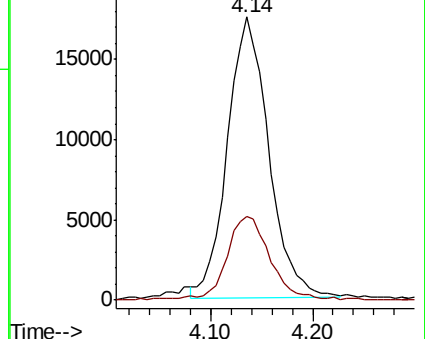
43 100

58 30.4 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 26.942 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.01 min

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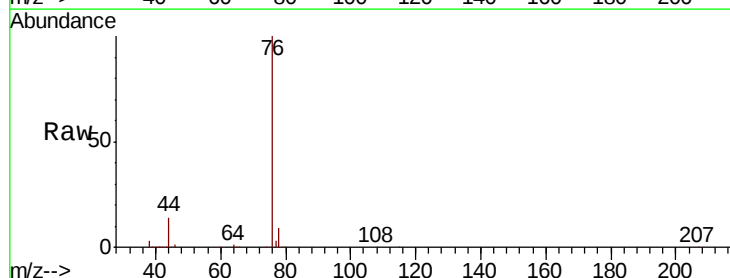
Acq: 17 Sep 2020 10:23

Tgt Ion: 76 Resp: 618934

Ion Ratio Lower Upper

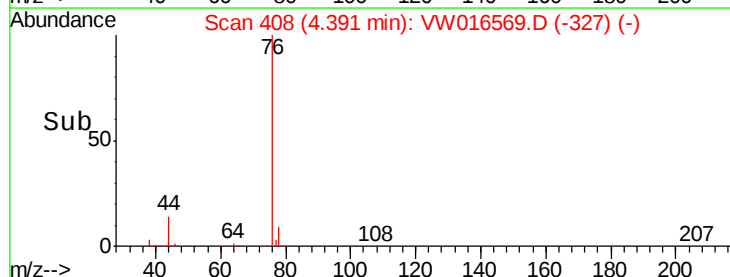
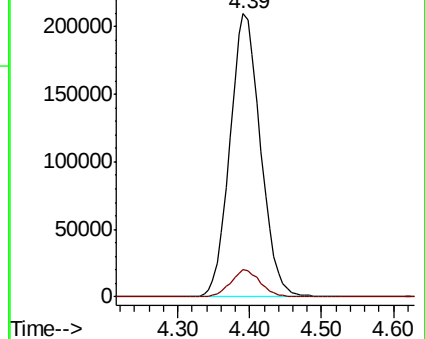
76 100

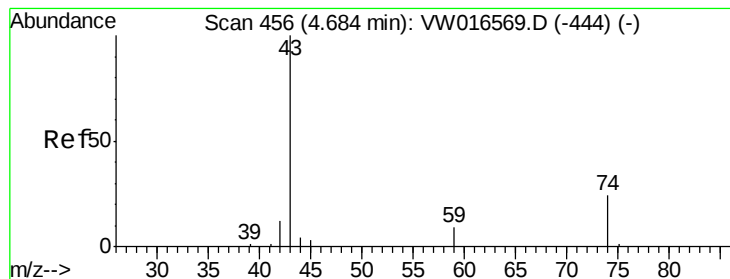
78 9.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 21.340 ug/L

RT: 4.68 min Scan# 456

Delta R.T. 0.00 min

Lab File: VW016569.D

Acq: 17 Sep 2020 10:23

Instrument :

MSVOA_W

ClientSampleId :

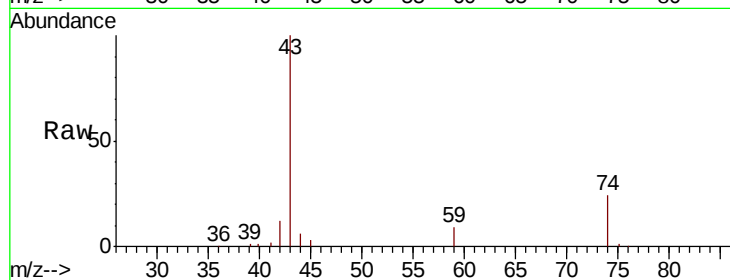
VSTD02522

Tot Ion: 43 Resp: 60388

Ion Ratio Lower Upper

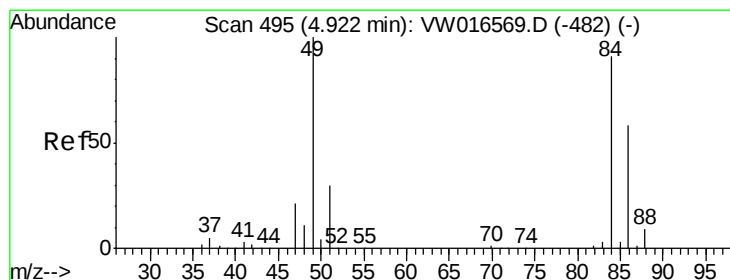
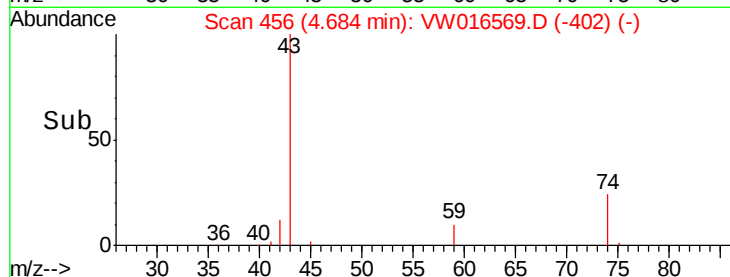
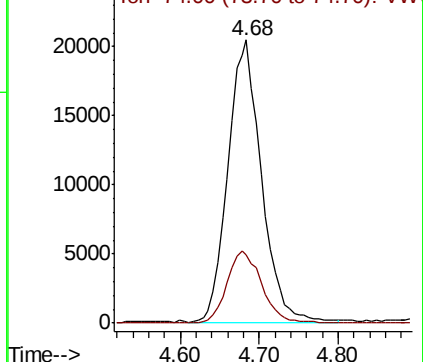
43 100

74 26.3 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 21.480 ug/L

RT: 4.92 min Scan# 495

Delta R.T. -0.01 min

Lab File: VW016569.D

Acq: 17 Sep 2020 10:23

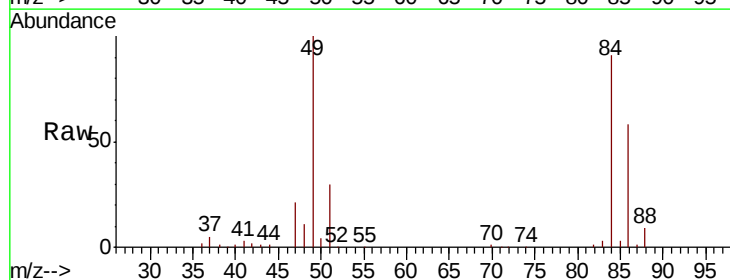
Tgt Ion: 84 Resp: 199167

Ion Ratio Lower Upper

84 100

49 110.2 76.0 141.2

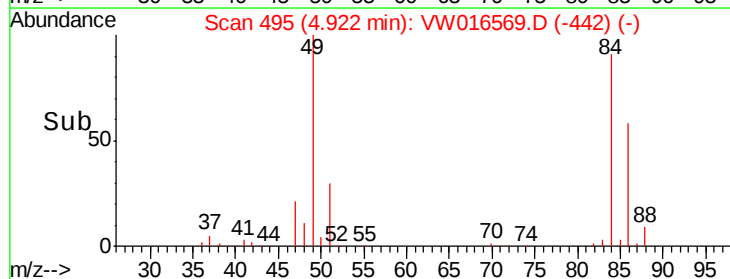
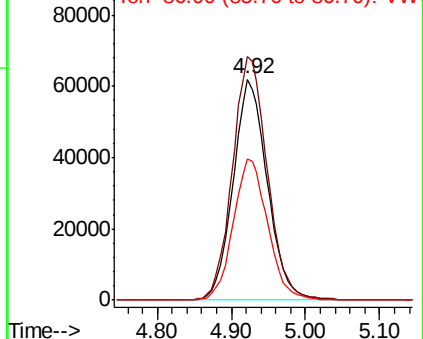
86 63.9 45.6 84.6

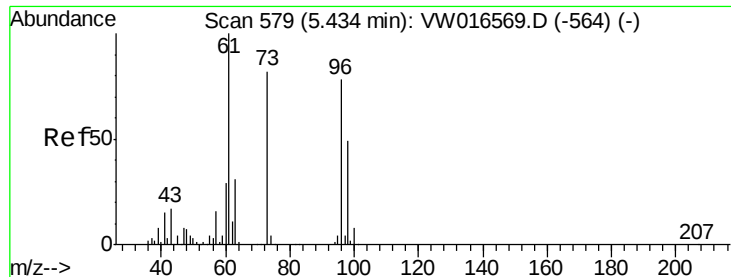


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

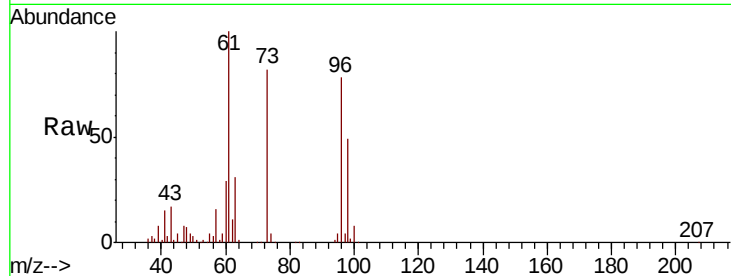




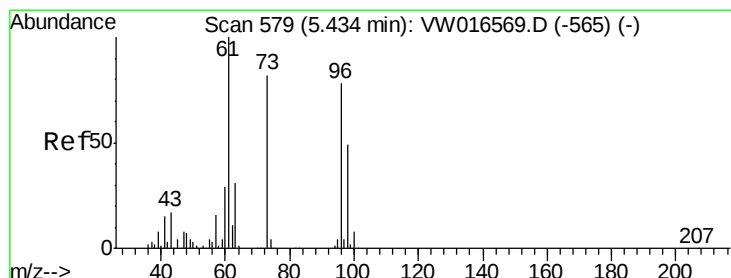
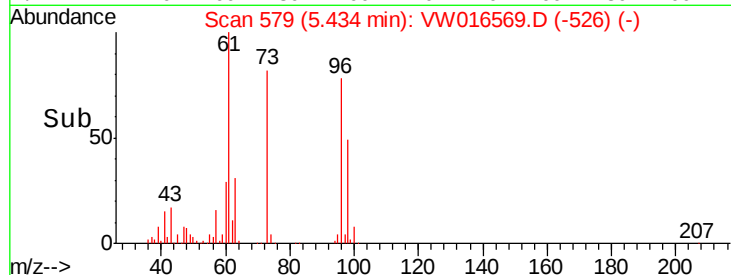
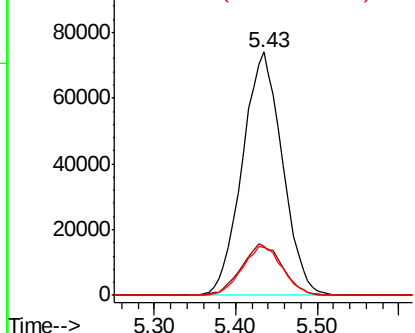
#17
Methvl tert-butvl Ether
Concen: 24.236 ug/L
RT: 5.43 min Scan# 579
Delta R.T. -0.01 min
Lab File: VW016569.D
Acq: 17 Sep 2020 10:23

Instrument :
MSVOA_W
ClientSampleId :
VSTD02522

Tot Ion: 73 Resp: 252774
Ion Ratio Lower Upper
73 100
43 21.3 17.2 25.8
57 20.4 16.3 24.5

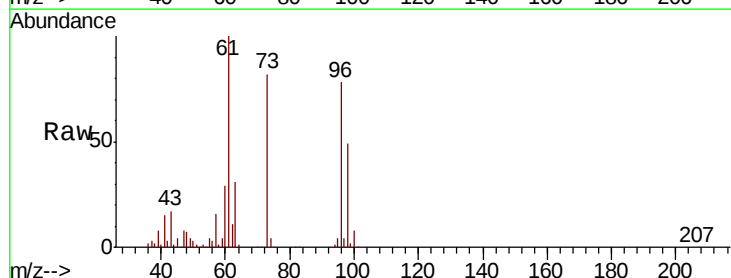


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

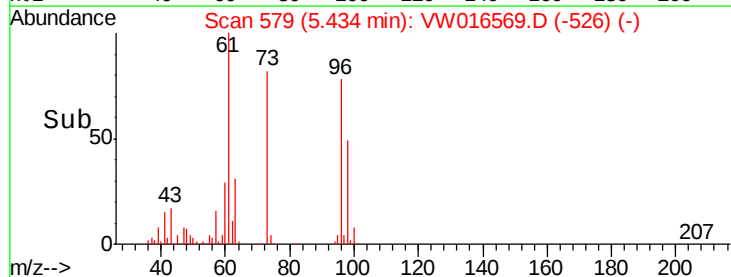
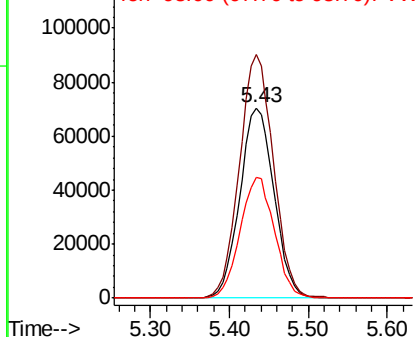


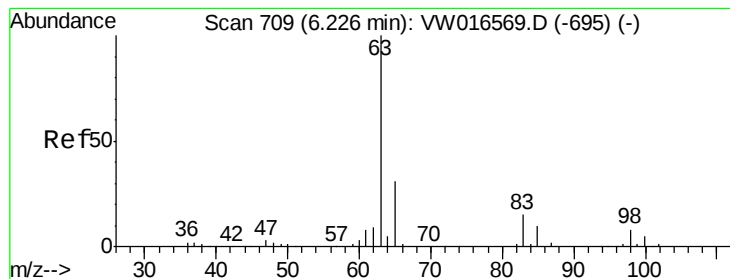
#18
trans-1,2-Dichloroethene
Concen: 26.956 ug/L
RT: 5.43 min Scan# 579
Delta R.T. -0.01 min
Lab File: VW016569.D
Acq: 17 Sep 2020 10:23

Tgt Ion: 96 Resp: 212564
Ion Ratio Lower Upper
96 100
61 128.2 88.4 164.2
98 63.4 43.0 80.0



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





#19

1,1-Dichloroethane

Concen: 26.833 ug/L

RT: 6.23 min Scan# 709

Delta R.T. -0.01 min

Lab File: VW016569.D

Acq: 17 Sep 2020 10:23

Instrument :

MSVOA_W

ClientSampled :

VSTD02522

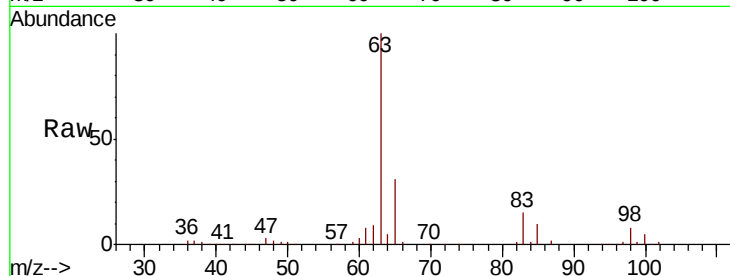
Tot Ion: 63 Resp: 334620

Ion Ratio Lower Upper

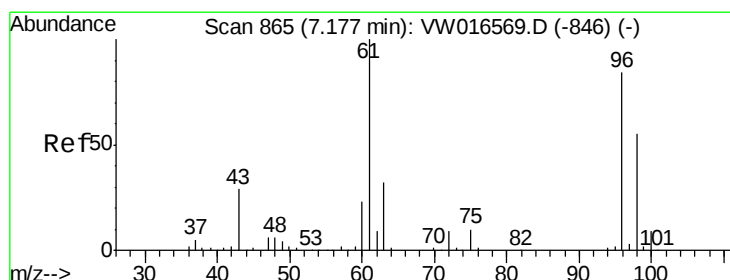
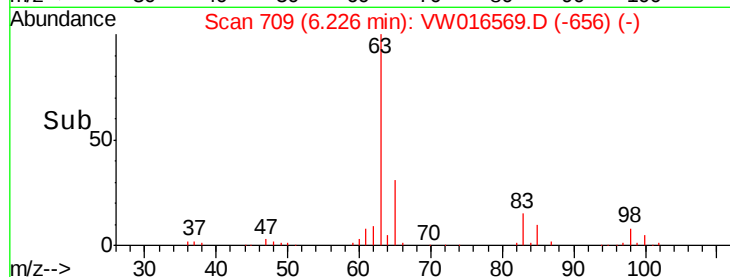
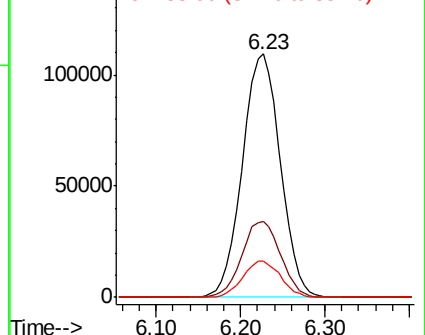
63 100

65 31.1 21.6 40.0

83 14.9 10.4 19.2



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: 36.747 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW016569.D

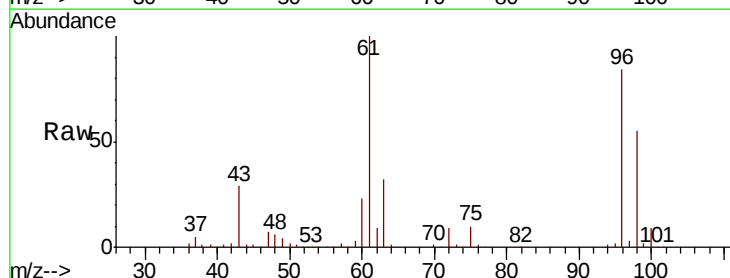
Acq: 17 Sep 2020 10:23

Tgt Ion: 43 Resp: 77692

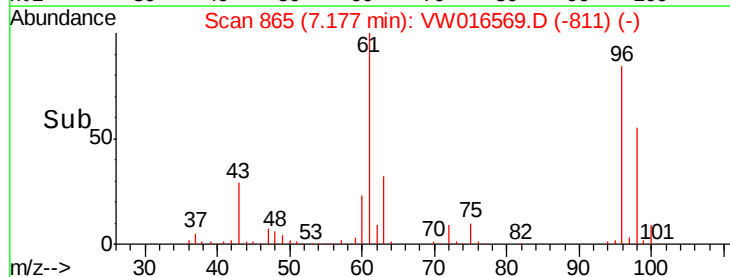
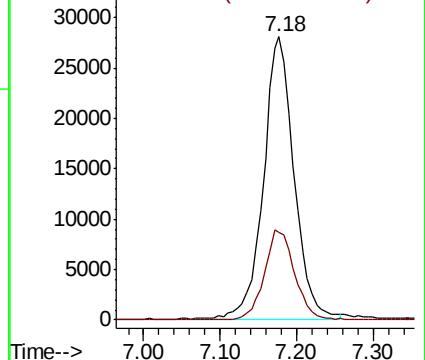
Ion Ratio Lower Upper

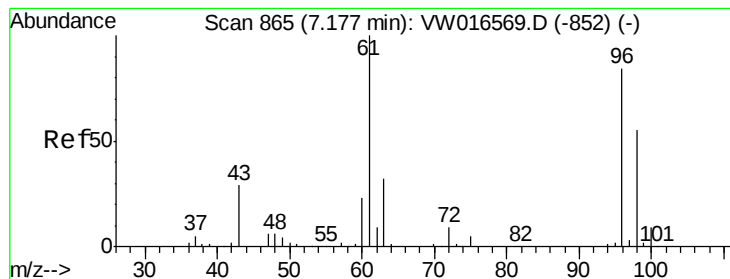
43 100

72 31.5 14.6 43.8



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



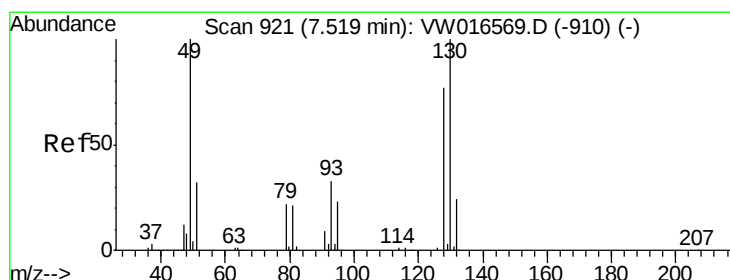
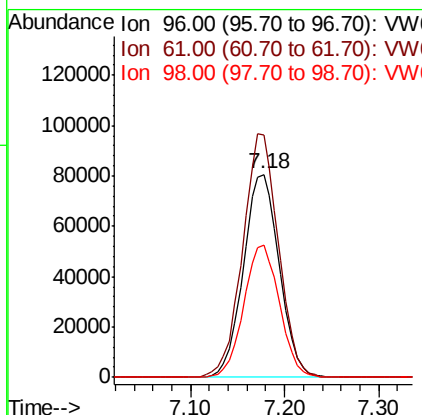
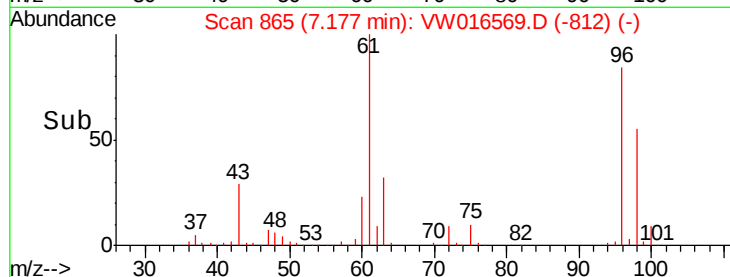
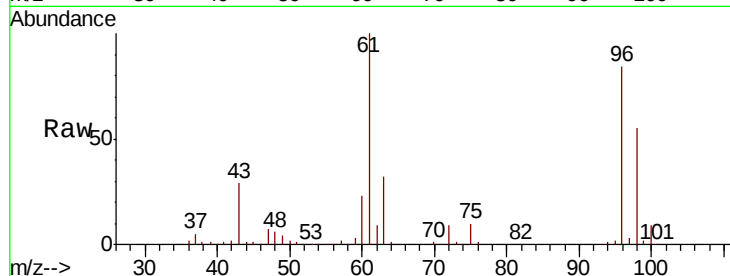


#22

cis-1,2-Dichloroethene
Concen: 26.371 ug/L
RT: 7.18 min Scan# 865
Delta R.T. -0.01 min
Lab File: VW016569.D
Acq: 17 Sep 2020 10:23

Instrument :
MSVOA_W
ClientSampleId :
VSTD02522

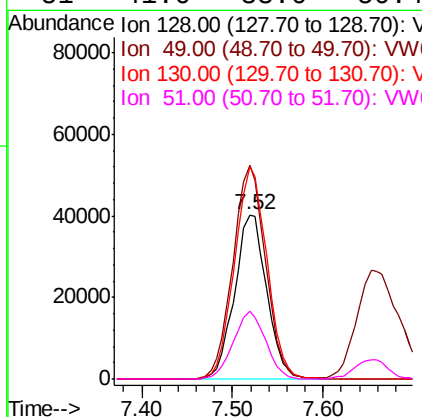
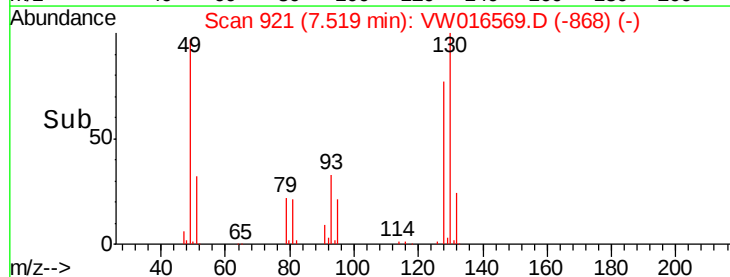
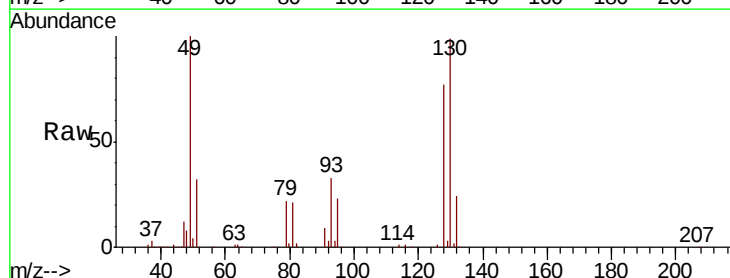
Tot Ion: 96 Resp: 215766
Ion Ratio Lower Upper
96 100
61 119.1 78.4 145.6
98 65.2 44.8 83.2

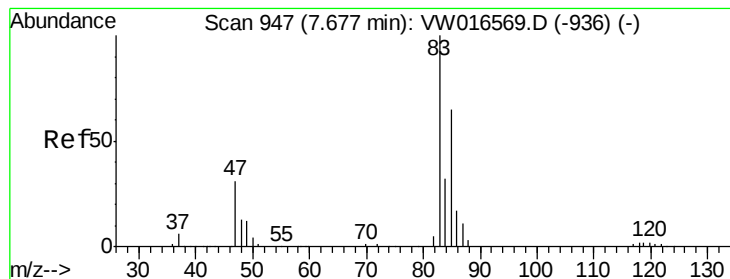


#23

Bromochloromethane
Concen: 24.920 ug/L
RT: 7.52 min Scan# 921
Delta R.T. -0.01 min
Lab File: VW016569.D
Acq: 17 Sep 2020 10:23

Tgt Ion: 128 Resp: 99123
Ion Ratio Lower Upper
128 100
49 130.1 92.1 171.1
130 129.4 87.8 163.0
51 41.6 33.6 50.4





#25

Chloroform

Concen: 26.248 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW016569.D

Acq: 17 Sep 2020 10:23

Instrument :

MSVOA_W

ClientSampleId :

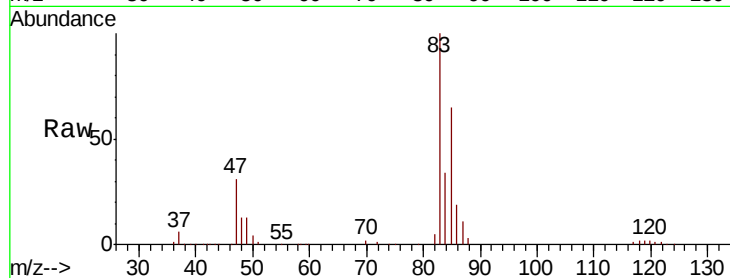
VSTD02522

Tot Ion: 83 Resp: 356874

Ion Ratio Lower Upper

83 100

85 66.4 46.1 85.5



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

7.68

150000

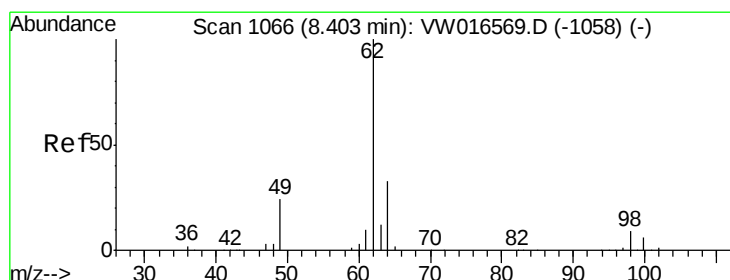
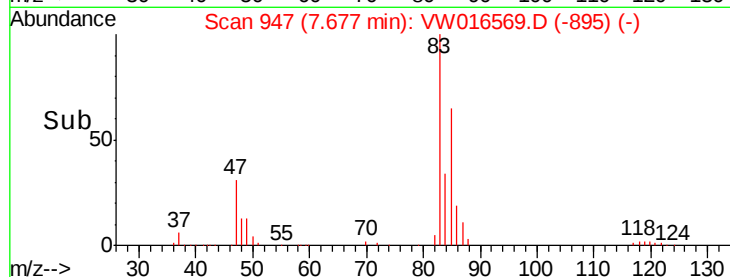
100000

50000

0

Time-->

7.60 7.70 7.80



#27

1,2-Dichloroethane

Concen: 24.910 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VW016569.D

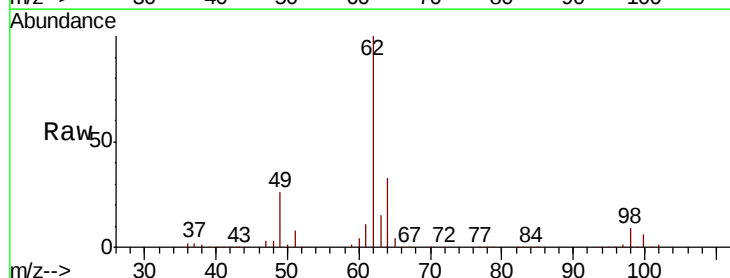
Acq: 17 Sep 2020 10:23

Tgt Ion: 62 Resp: 217306

Ion Ratio Lower Upper

62 100

98 9.3 7.9 11.9



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

8.40

120000

100000

80000

60000

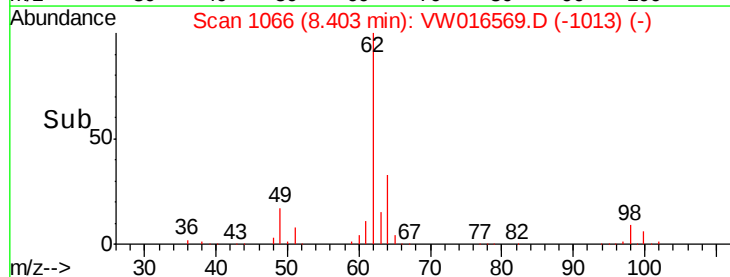
40000

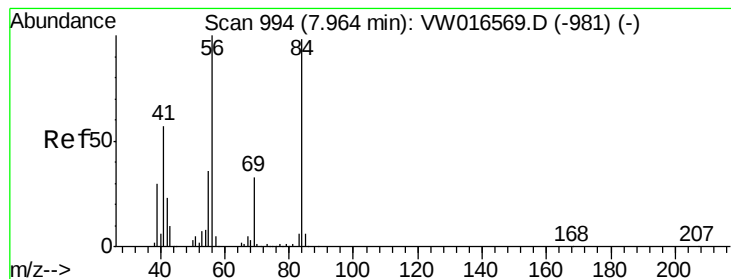
20000

0

Time-->

8.30 8.35 8.40 8.45 8.50





#30

Cyclohexane

Concen: 27.638 ug/L

RT: 7.96 min Scan# 994

Delta R.T. 0.00 min

Lab File: VW016569.D

Acq: 17 Sep 2020 10:23

Instrument :

MSVOA_W

ClientSampled :

VSTD02522

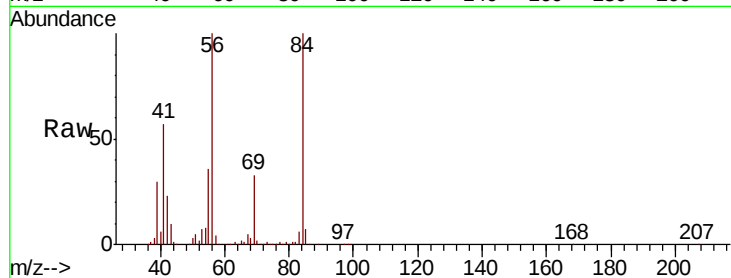
Tot Ion: 56 Resp: 313164

Ion Ratio Lower Upper

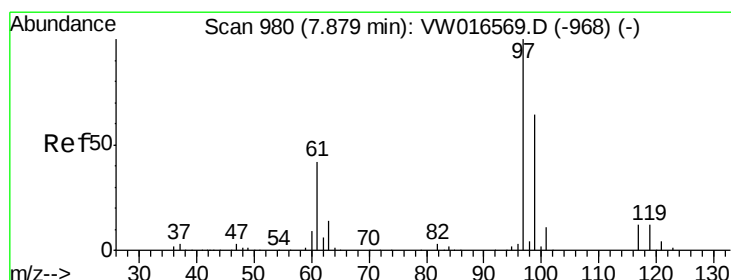
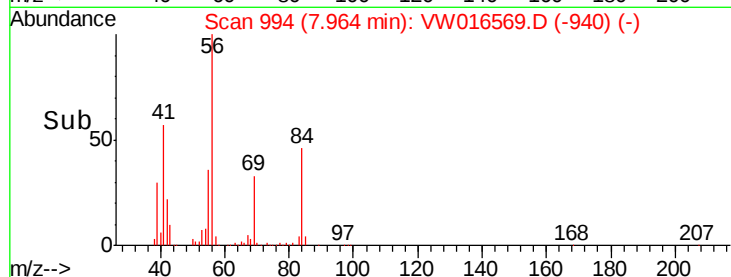
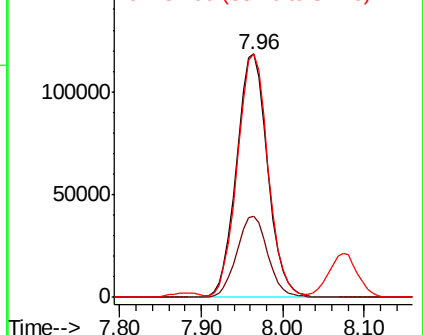
56 100

69 33.2 26.5 39.7

84 98.9 79.0 118.6



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 28.008 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW016569.D

Acq: 17 Sep 2020 10:23

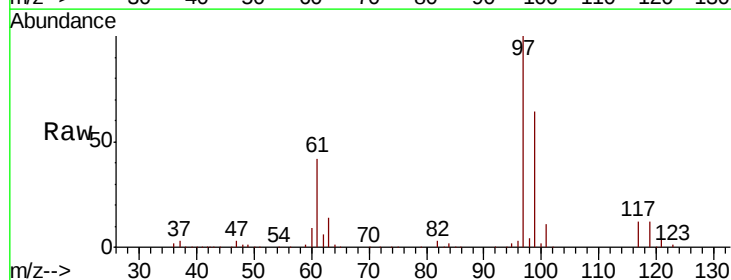
Tgt Ion: 97 Resp: 339174

Ion Ratio Lower Upper

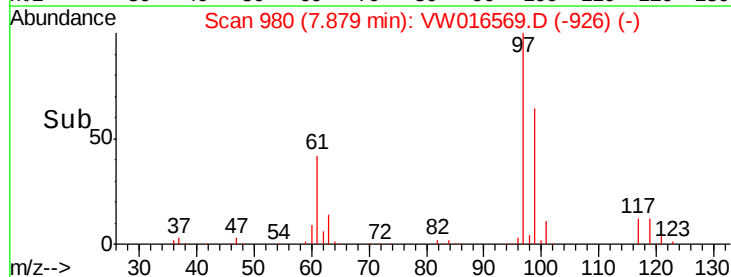
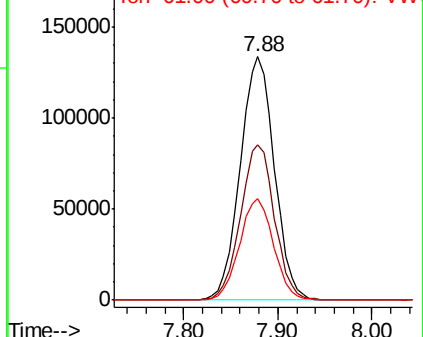
97 100

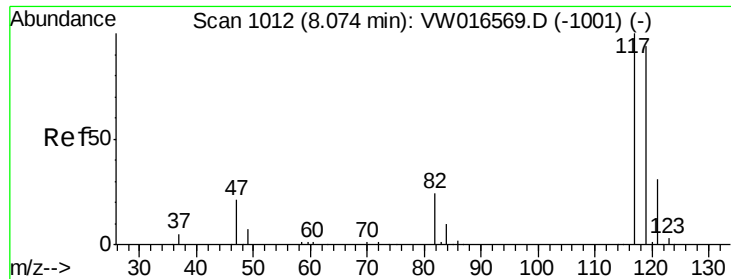
99 63.7 51.8 77.6

61 41.8 33.6 50.4



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 28.568 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VW016569.D

Acq: 17 Sep 2020 10:23

Instrument :

MSVOA_W

ClientSampleId :

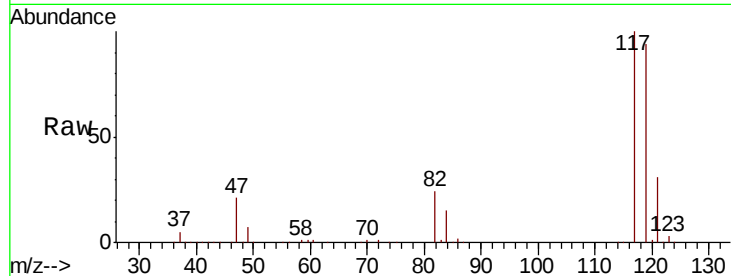
VSTD02522

Tot Ion:117 Resp: 336107

Ion Ratio Lower Upper

117 100

119 94.6 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

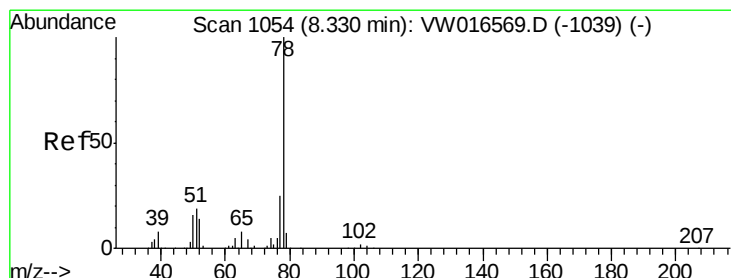
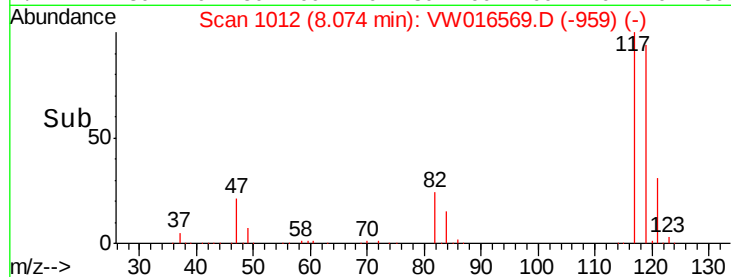
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 27.369 ug/L

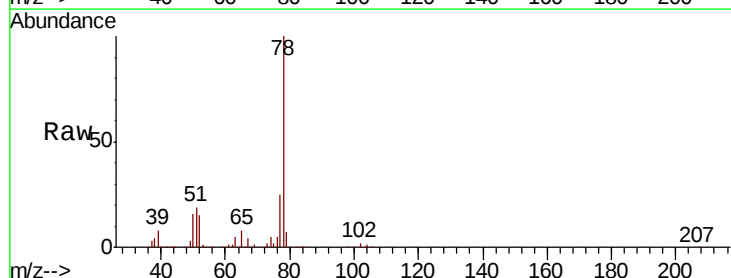
RT: 8.33 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VW016569.D

Acq: 17 Sep 2020 10:23

Tgt Ion: 78 Resp: 760628



Abundance Ion 78.00 (77.70 to 78.70): VW

400000

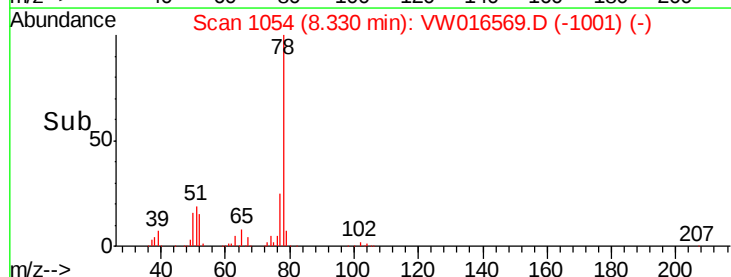
300000

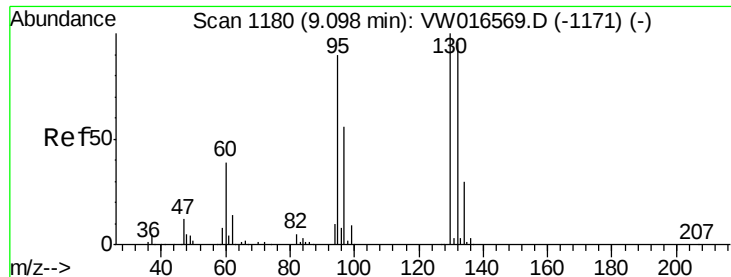
200000

100000

0

Time-->

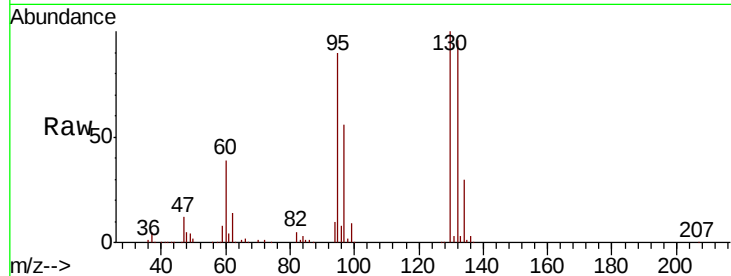




#35
 Trichloroethene
 Concen: 28.071 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VW016569.D
 Acq: 17 Sep 2020 10:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

Tot Ion	95	Resp	225711
Ion Ratio	Lower	Upper	
95	100		
97	64.6	45.2	84.0
132	103.3	73.3	136.1
130	107.8	77.5	143.9



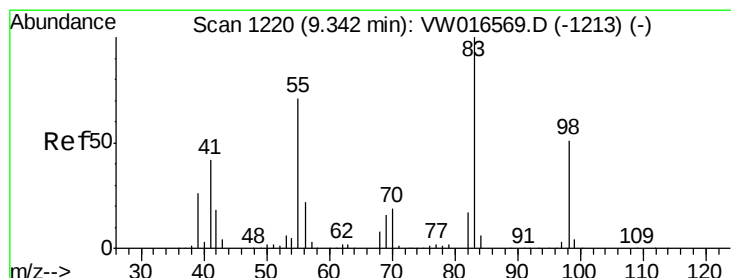
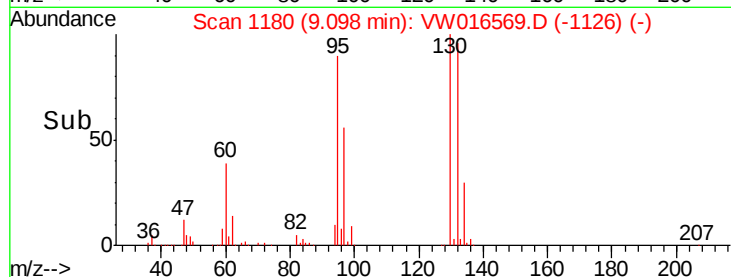
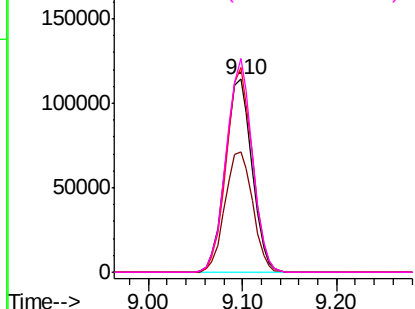
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

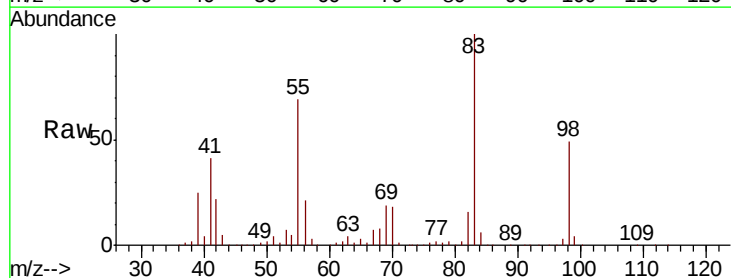
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 27.935 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VW016569.D
 Acq: 17 Sep 2020 10:23

Tgt Ion	83	Resp	380995
Ion Ratio	Lower	Upper	
83	100		
55	70.2	55.9	83.9
98	51.9	42.1	63.1

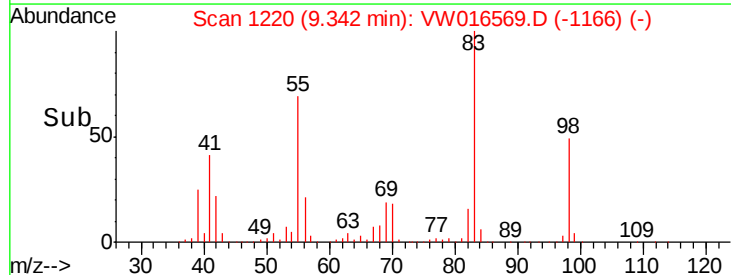
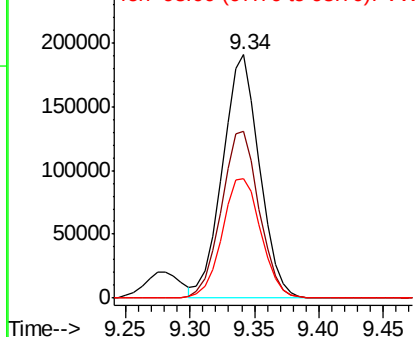


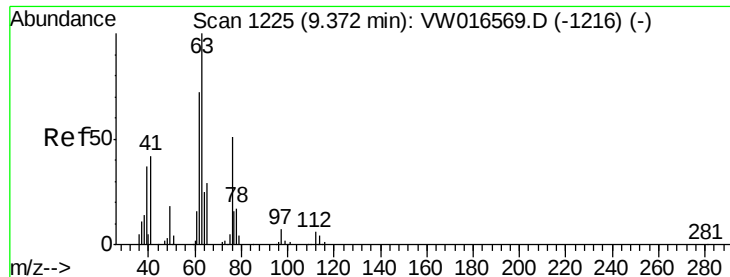
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

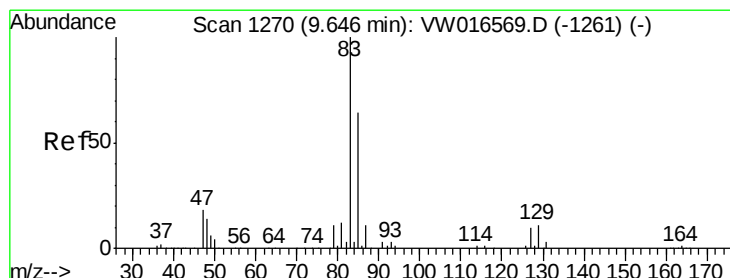
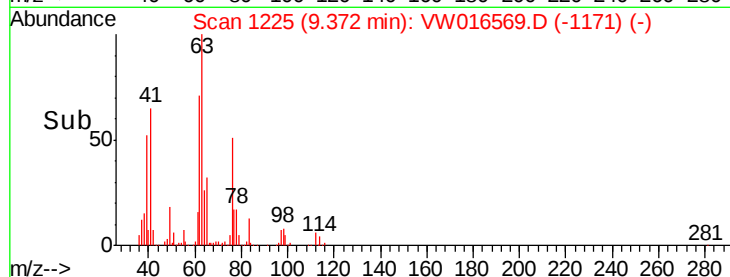
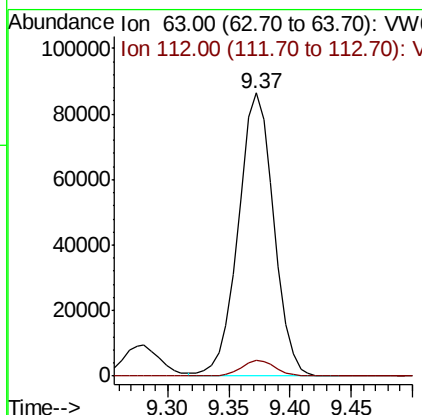
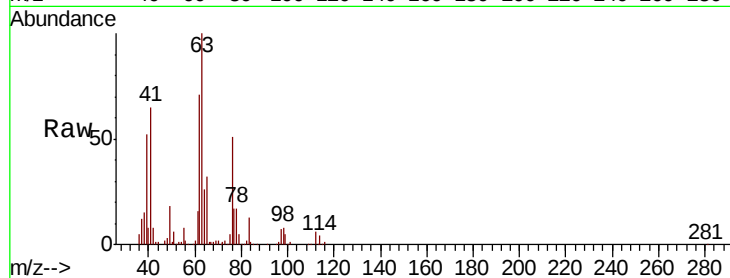




#40
 1,2-Dichloropropane
 Concen: 26.858 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016569.D
 Acq: 17 Sep 2020 10:23

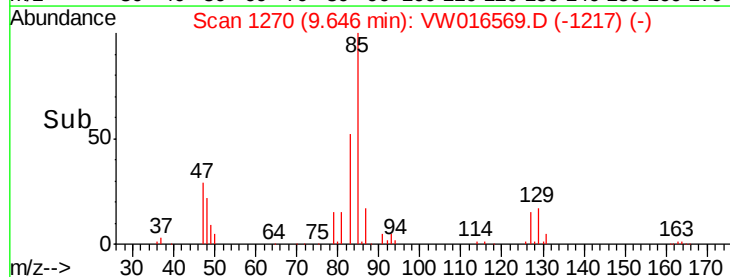
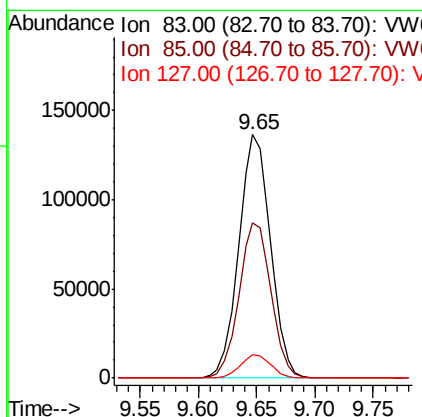
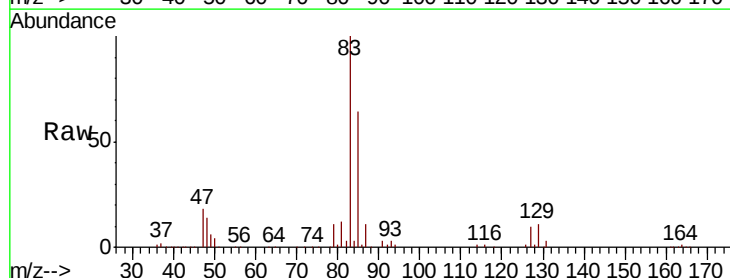
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

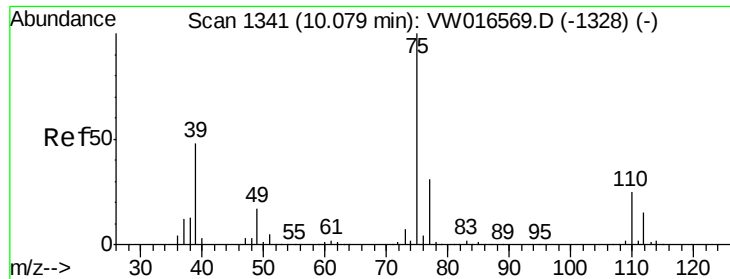
Tot Ion: 63 Resp: 173605
 Ion Ratio Lower Upper
 63 100
 112 5.3 4.5 6.7



#41
 Bromodichloromethane
 Concen: 27.037 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VW016569.D
 Acq: 17 Sep 2020 10:23

Tgt Ion: 83 Resp: 258979
 Ion Ratio Lower Upper
 83 100
 85 63.7 46.8 86.8
 127 9.7 6.8 10.2

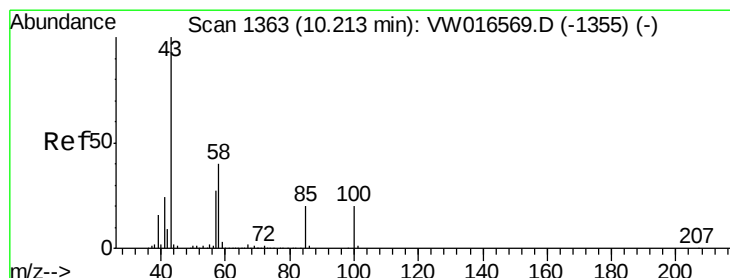
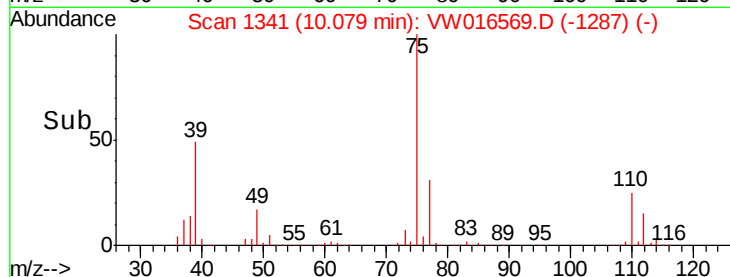
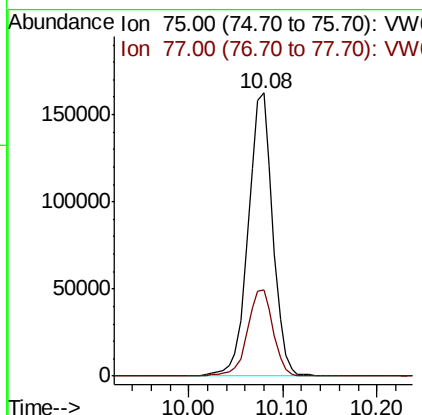
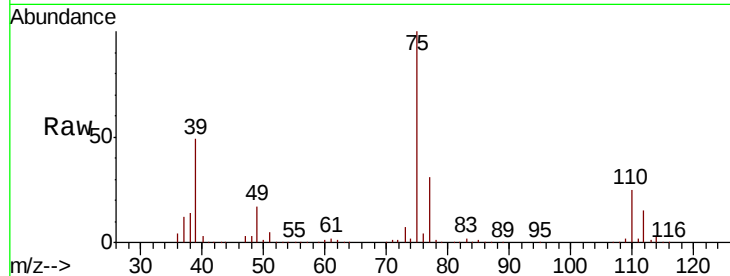




#42
 cis-1,3-Dichloropropene
 Concen: 26.929 ug/L
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VW016569.D
 Acq: 17 Sep 2020 10:23

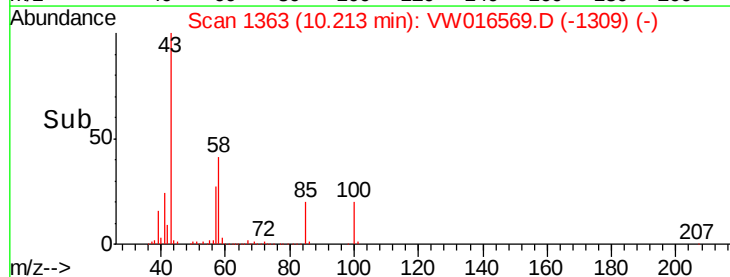
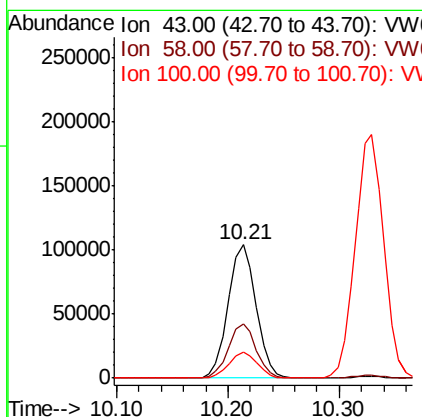
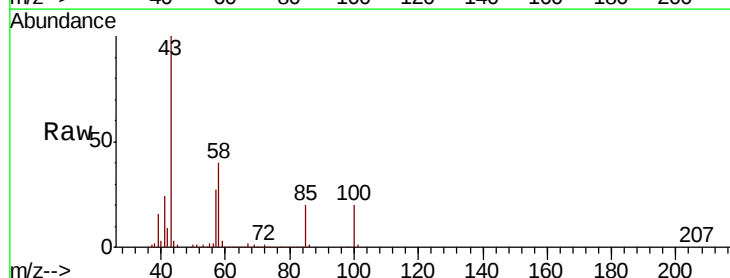
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02522

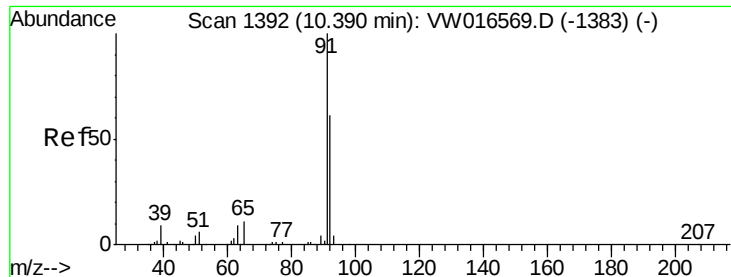
Tot Ion: 75 Resp: 297310
 Ion Ratio Lower Upper
 75 100
 77 30.5 22.2 41.2



#43
 4-Methyl-2-pentanone
 Concen: 44.098 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW016569.D
 Acq: 17 Sep 2020 10:23

Tgt Ion: 43 Resp: 181097
 Ion Ratio Lower Upper
 43 100
 58 40.4 32.2 48.4
 100 19.8 15.8 23.6





#44

Toluene

Concen: 27.877 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016569.D

Acq: 17 Sep 2020 10:23

Instrument :

MSVOA_W

ClientSampleId :

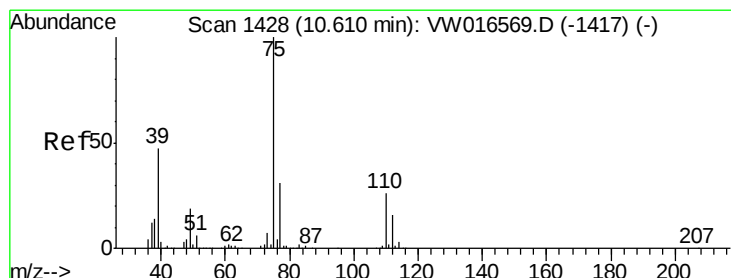
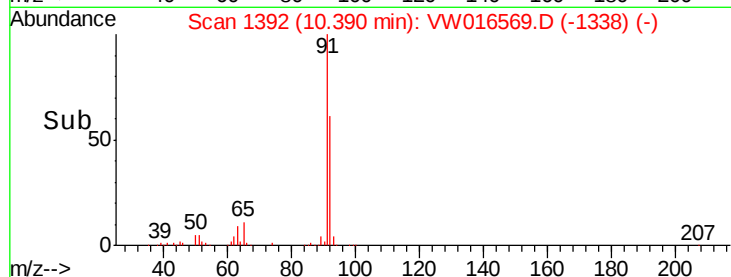
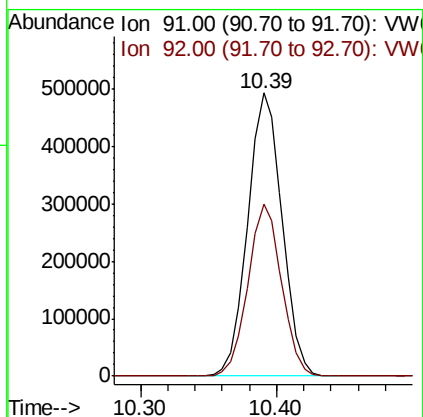
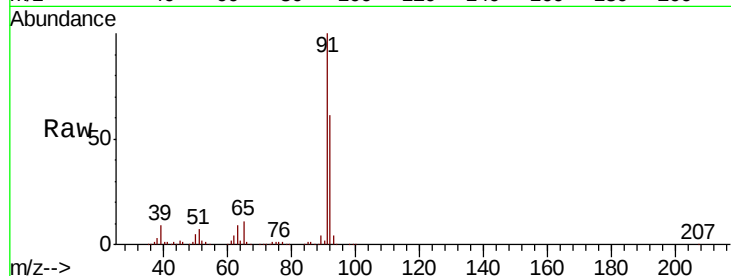
VSTD02522

Tot Ion: 91 Resp: 871154

Ion Ratio Lower Upper

91 100

92 61.0 39.6 73.6



#45

trans-1,3-Dichloropropene

Concen: 26.379 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016569.D

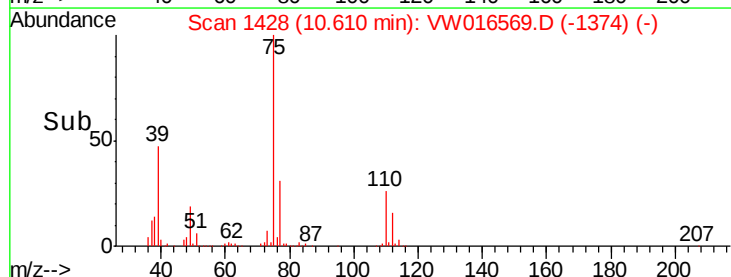
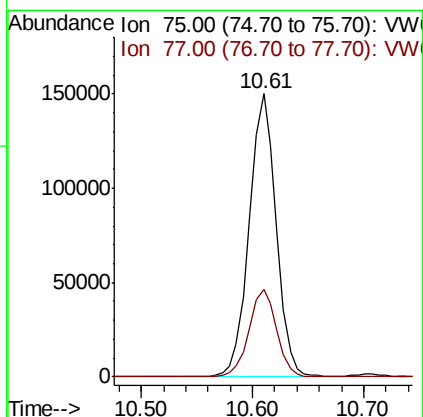
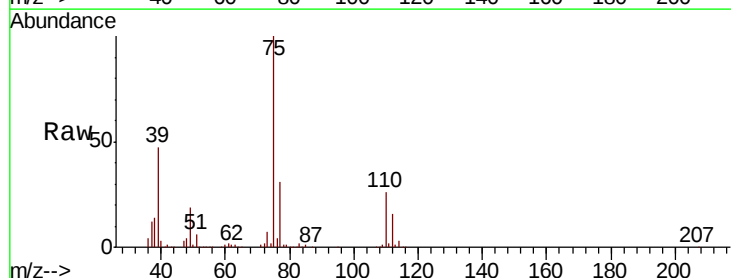
Acq: 17 Sep 2020 10:23

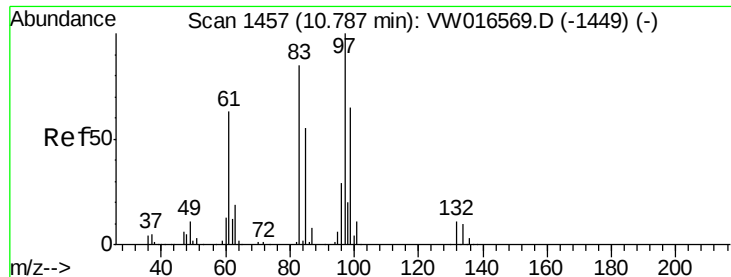
Tgt Ion: 75 Resp: 253400

Ion Ratio Lower Upper

75 100

77 30.9 22.5 41.9

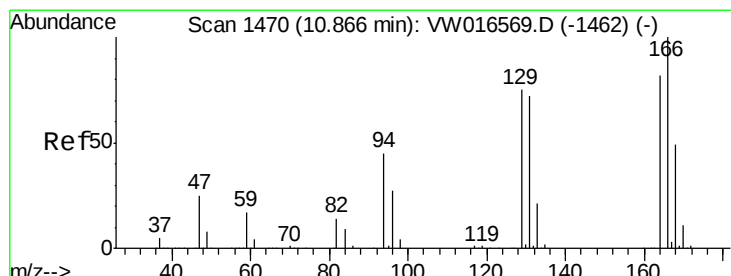
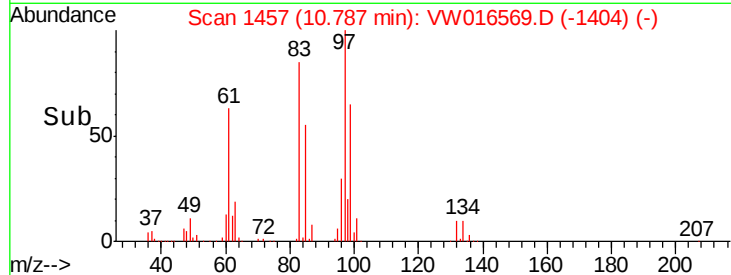
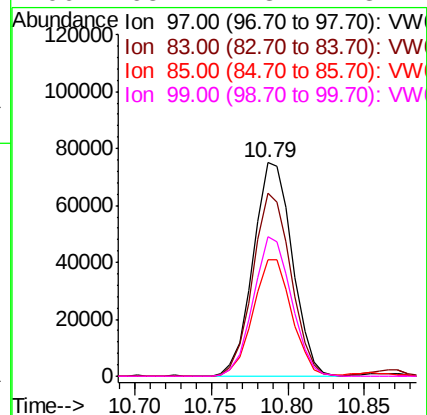
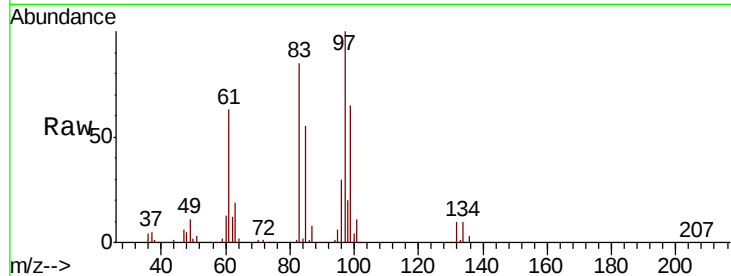




#46
 1,1,2-Trichloroethane
 Concen: 24.667 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW016569.D
 Acq: 17 Sep 2020 10:23

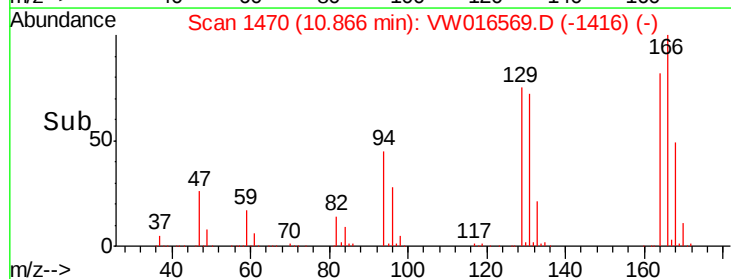
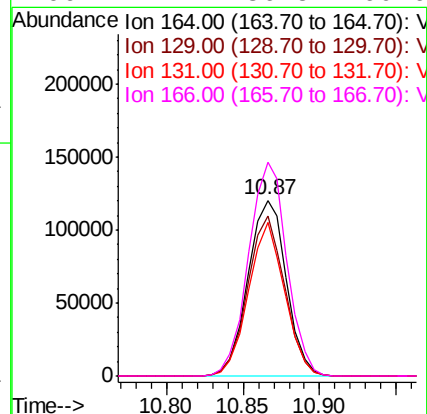
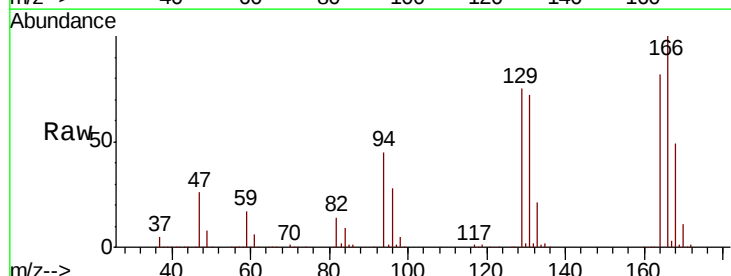
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

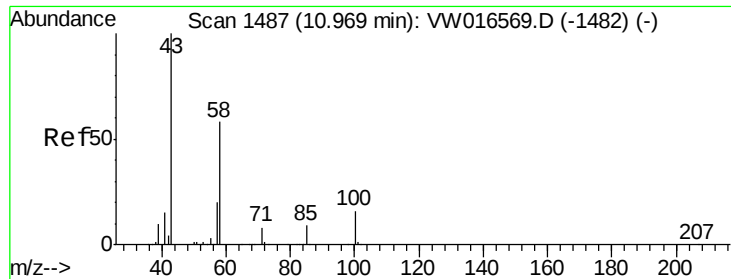
Tot Ion:	97	Resp:	134322
Ion	Ratio	Lower	Upper
97	100		
83	85.5	55.7	103.5
85	54.6	36.8	68.4
99	65.4	43.7	81.1



#47
 Tetrachloroethene
 Concen: 28.810 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW016569.D
 Acq: 17 Sep 2020 10:23

Tgt Ion:	164	Resp:	209175
Ion	Ratio	Lower	Upper
164	100		
129	90.8	55.6	103.2
131	87.5	57.2	106.2
166	121.4	86.5	160.6





#49

2-Hexanone

Concen: 45.686 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW016569.D

Acq: 17 Sep 2020 10:23

Instrument :

MSVOA_W

ClientSampled :

VSTD02522

Tot Ion: 43 Resp: 119070

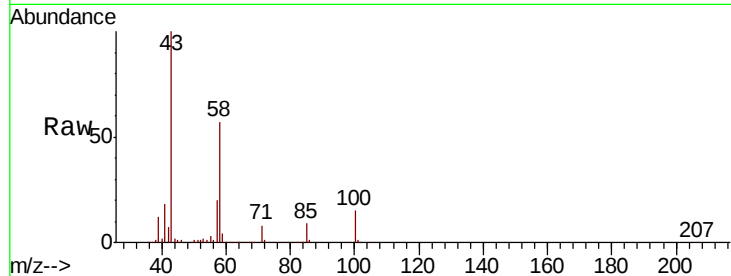
Ion Ratio Lower Upper

43 100

58 55.7 44.2 66.2

57 20.4 16.3 24.5

100 15.0 12.4 18.6

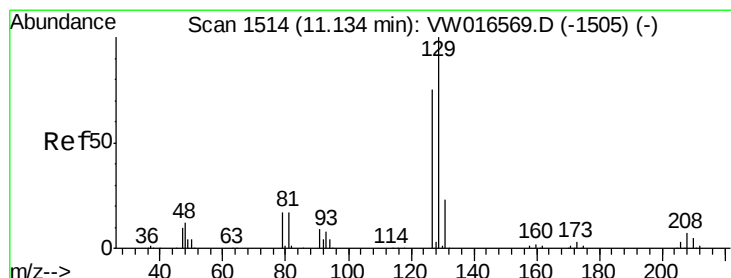
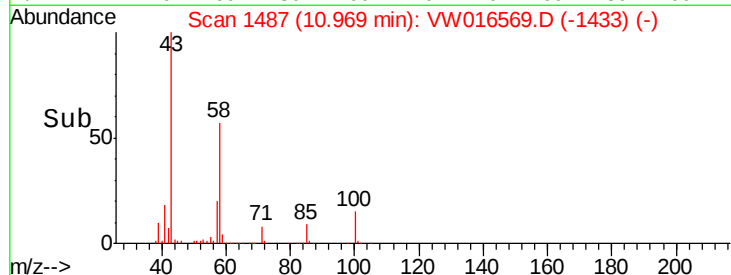
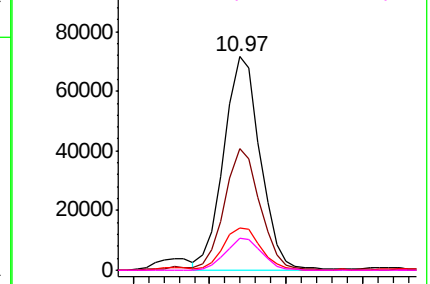


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 26.092 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VW016569.D

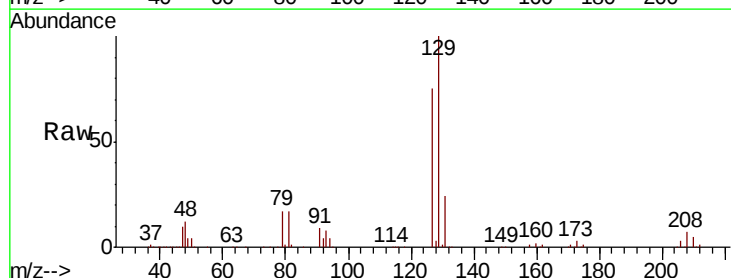
Acq: 17 Sep 2020 10:23

Tgt Ion: 129 Resp: 185503

Ion Ratio Lower Upper

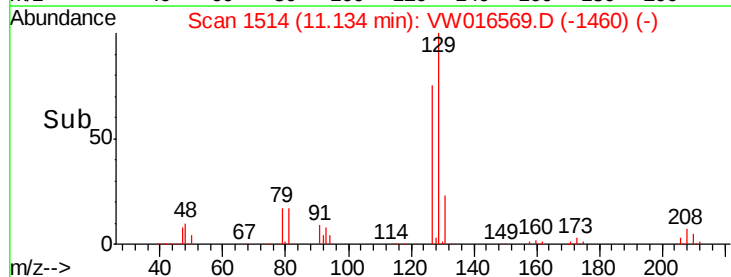
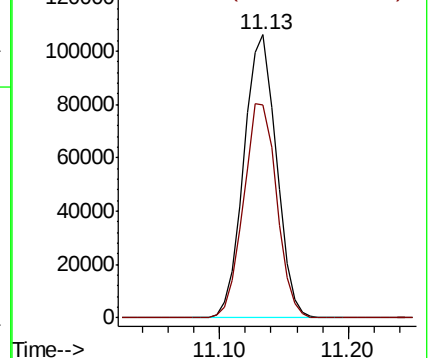
129 100

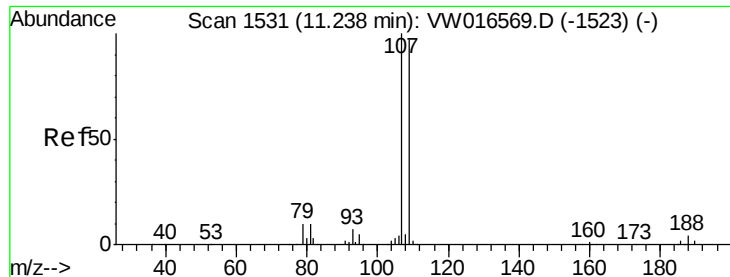
127 75.2 52.4 97.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

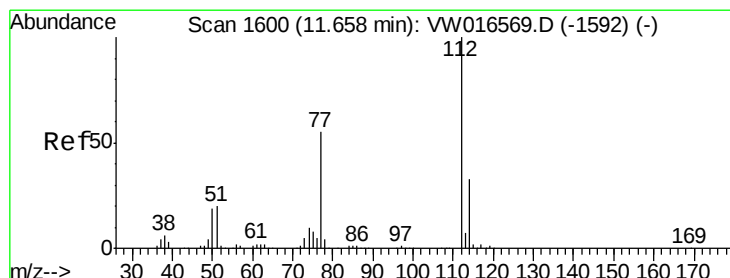
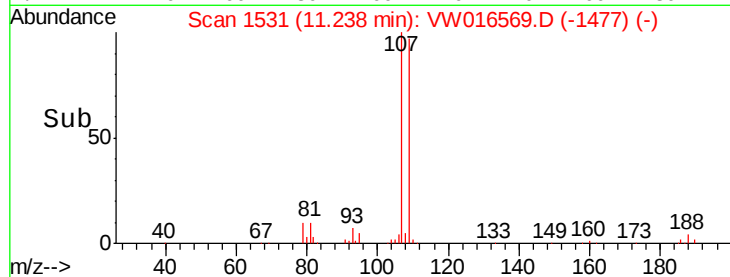
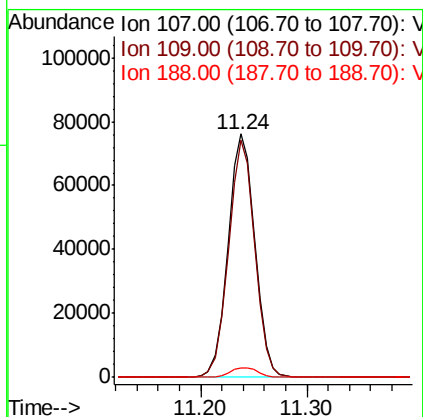
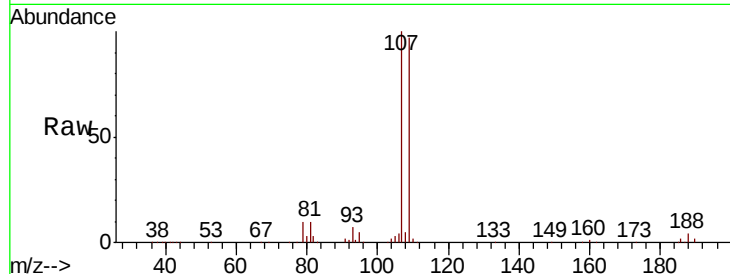




#51
1,2-Dibromoethane
Concen: 24.613 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW016569.D
Acq: 17 Sep 2020 10:23

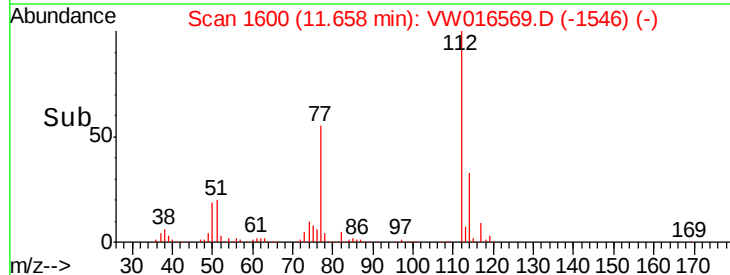
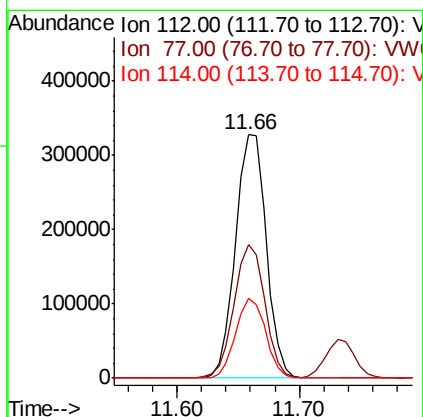
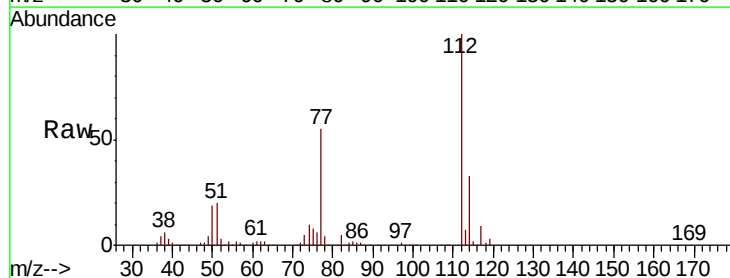
Instrument :
MSVOA_W
ClientSampleId :
VSTD02522

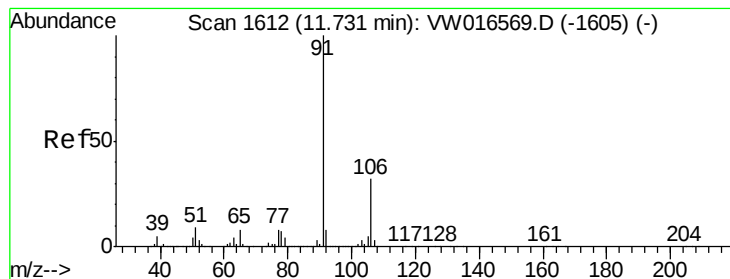
Tot Ion	Ratio	Lower	Upper
107	100		
109	97.4	63.0	117.0
188	4.1	3.1	4.7



#52
Chlorobenzene
Concen: 27.211 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016569.D
Acq: 17 Sep 2020 10:23

Tgt Ion	Ratio	Lower	Upper
112	100		
77	54.7	43.1	64.7
114	32.9	22.3	41.3





#53

Ethylbenzene

Concen: 28.120 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016569.D

Acq: 17 Sep 2020 10:23

Instrument :

MSVOA_W

ClientSampleId :

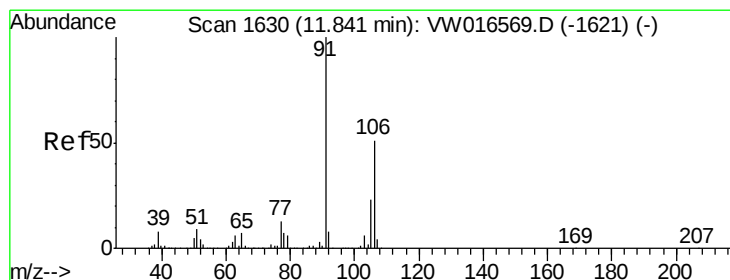
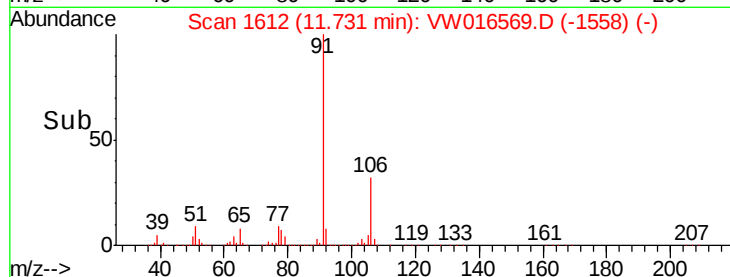
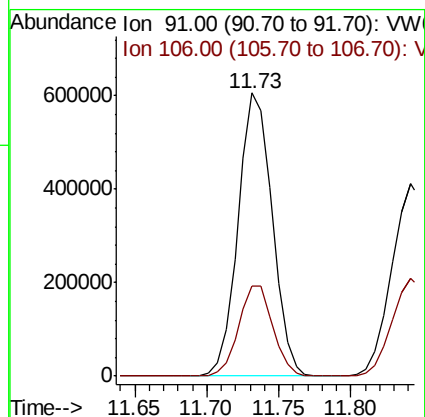
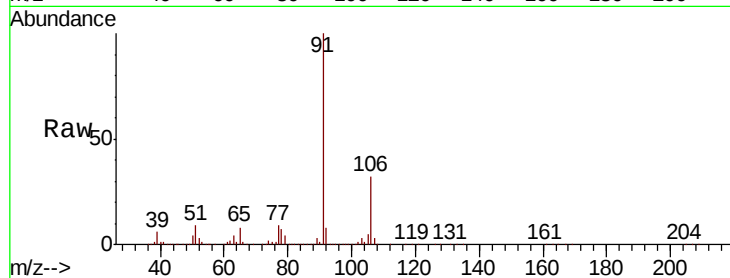
VSTD02522

Tot Ion: 91 Resp: 997680

Ion Ratio Lower Upper

91 100

106 32.0 20.7 38.5



#54

m,p-Xylene

Concen: 28.016 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016569.D

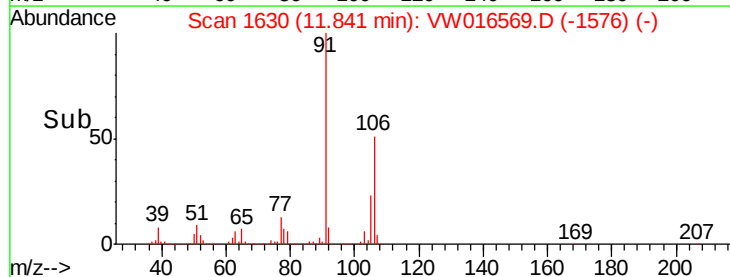
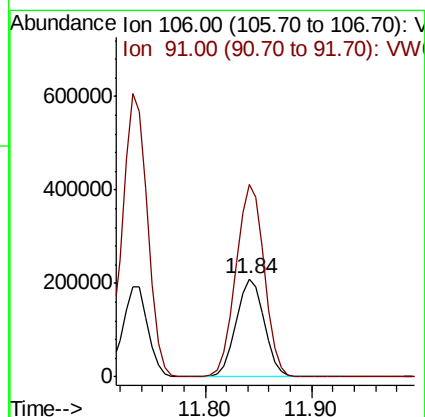
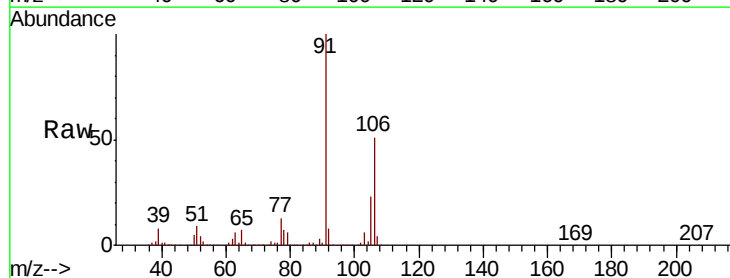
Acq: 17 Sep 2020 10:23

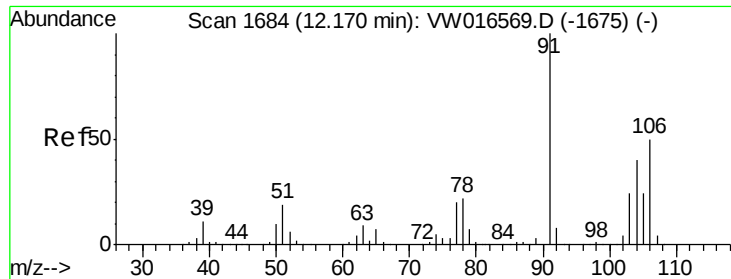
Tgt Ion: 106 Resp: 389216

Ion Ratio Lower Upper

106 100

91 196.5 139.7 259.5





#55

o-xylene

Concen: 27.530 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW016569.D

Acq: 17 Sep 2020 10:23

Instrument :

MSVOA_W

ClientSampleId :

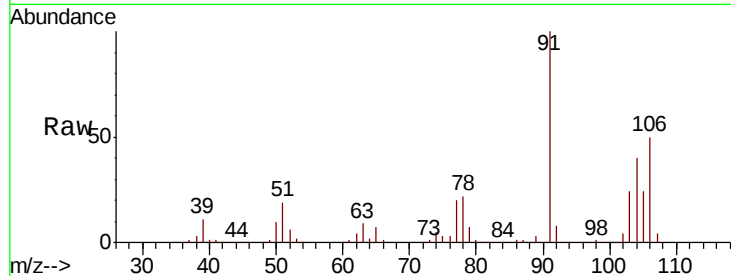
VSTD02522

Tot Ion:106 Resp: 366416

Ion Ratio Lower Upper

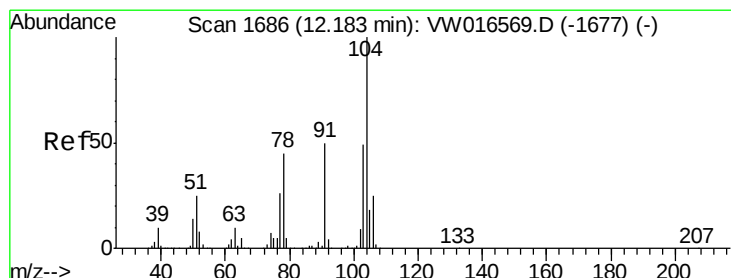
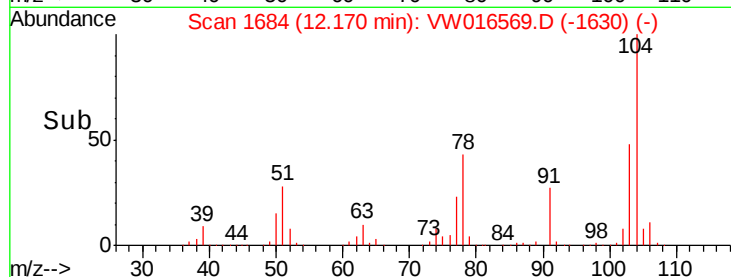
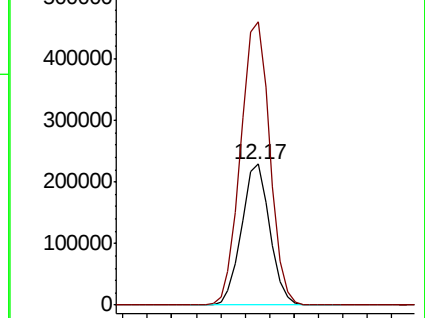
106 100

91 200.8 144.8 268.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.795 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW016569.D

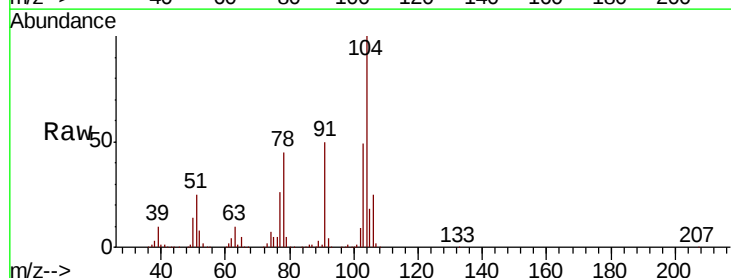
Acq: 17 Sep 2020 10:23

Tgt Ion:104 Resp: 614315

Ion Ratio Lower Upper

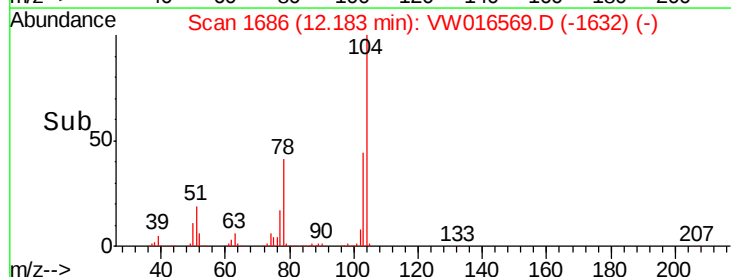
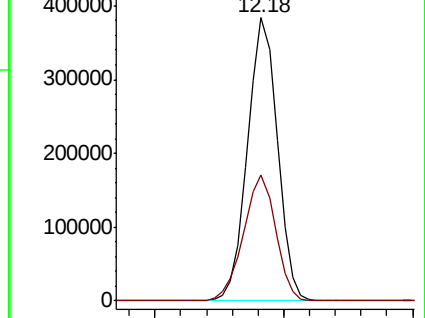
104 100

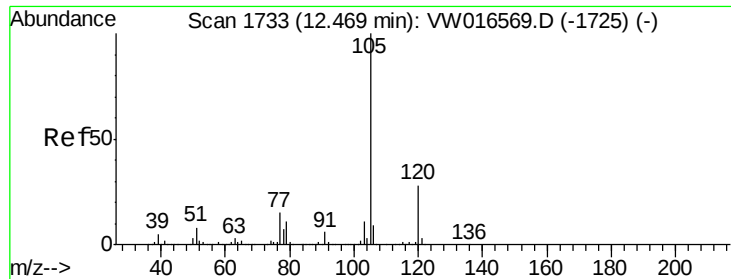
78 44.7 31.4 58.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 28.244 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW016569.D

Acq: 17 Sep 2020 10:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

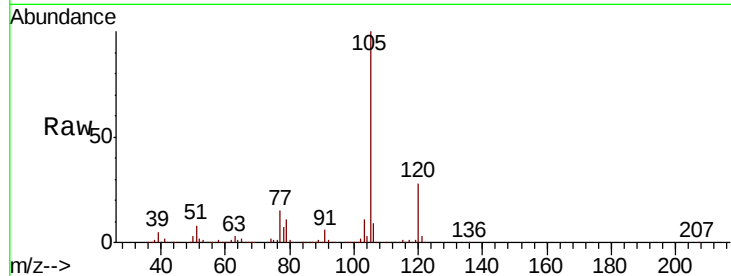
Tot Ion:105 Resp: 1027201

Ion Ratio Lower Upper

105 100

120 27.2 21.8 32.8

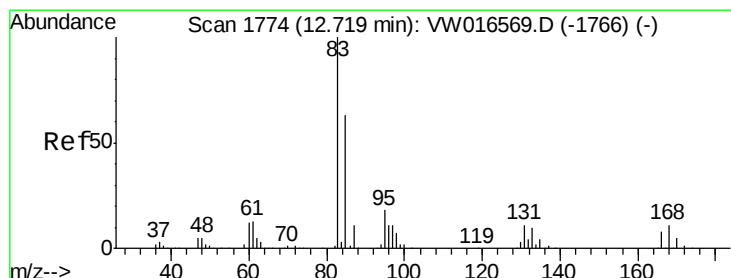
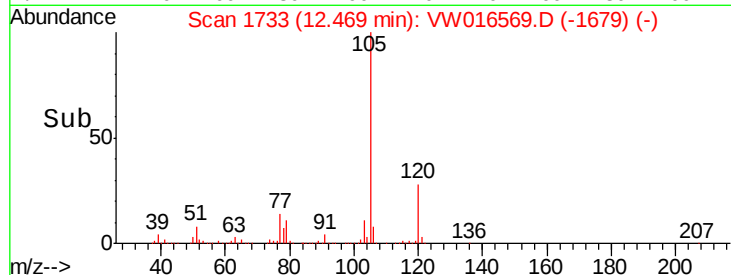
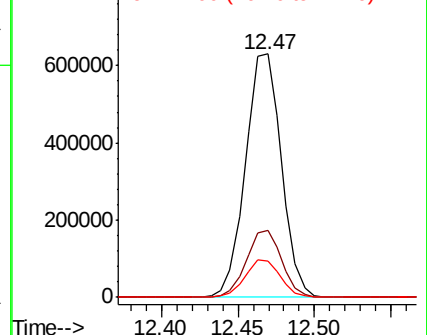
77 15.2 12.2 18.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 23.966 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW016569.D

Acq: 17 Sep 2020 10:23

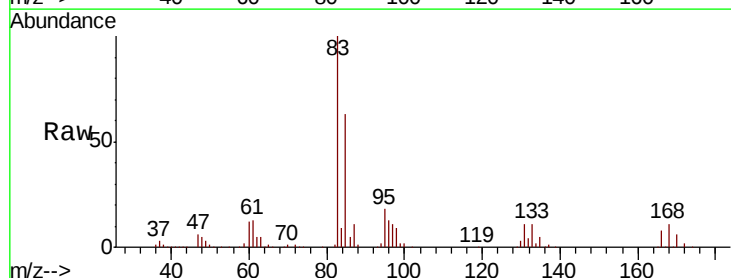
Tgt Ion: 83 Resp: 145939

Ion Ratio Lower Upper

83 100

85 63.4 46.0 85.4

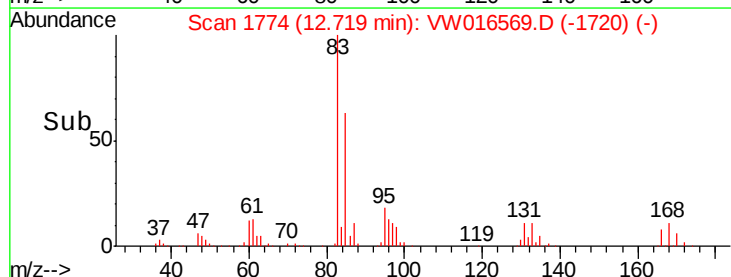
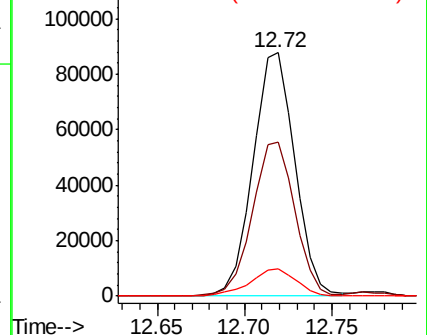
131 11.2 9.0 13.6

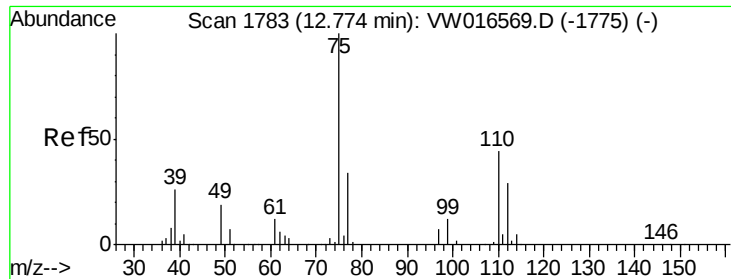


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 22.684 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW016569.D

Acq: 17 Sep 2020 10:23

Instrument :

MSVOA_W

ClientSampled :

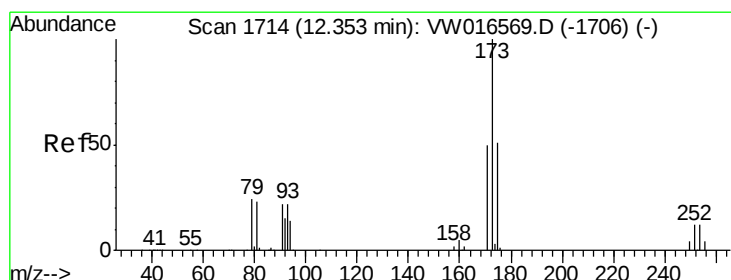
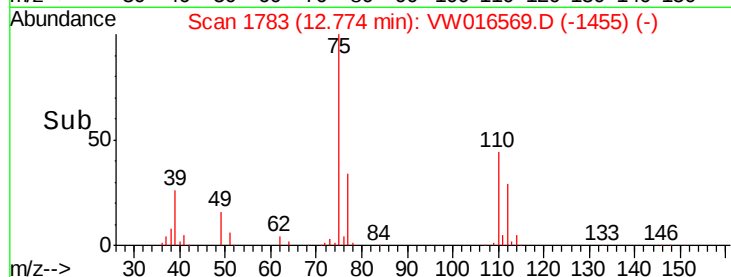
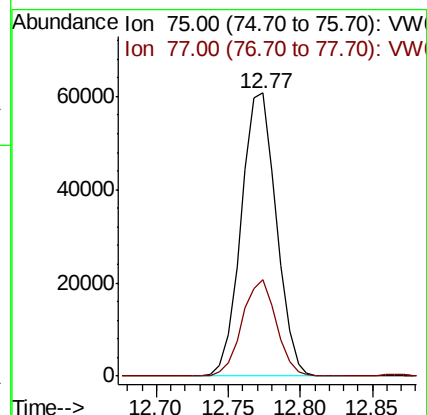
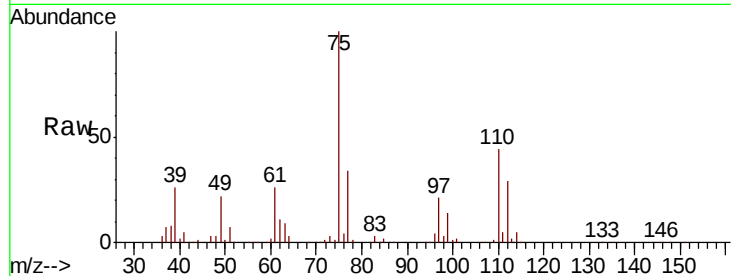
VSTD02522

Tot Ion: 75 Resp: 102883

Ion Ratio Lower Upper

75 100

77 33.1 26.2 39.4



#62

Bromoform

Concen: 24.318 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW016569.D

Acq: 17 Sep 2020 10:23

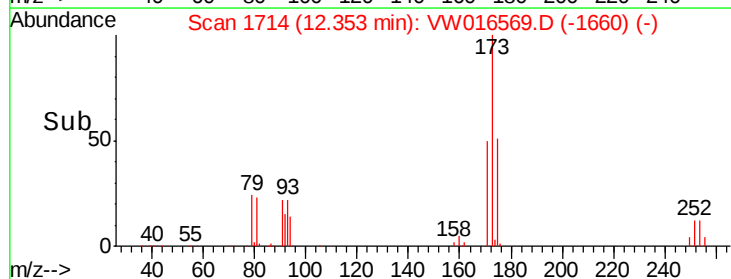
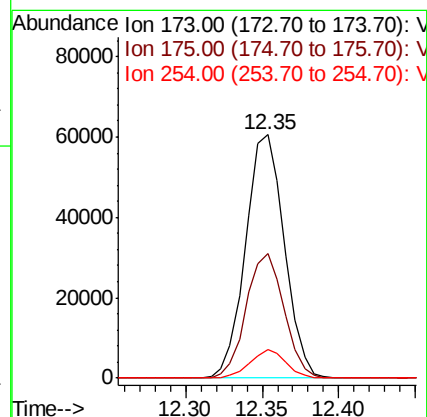
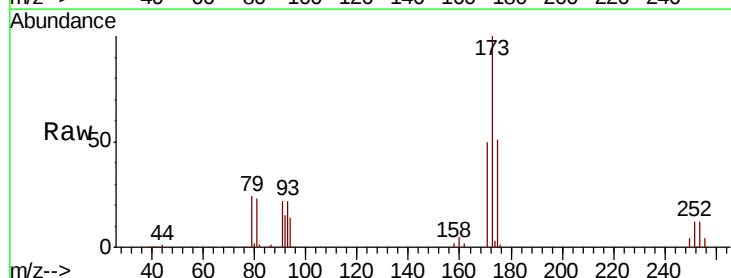
Tgt Ion: 173 Resp: 106671

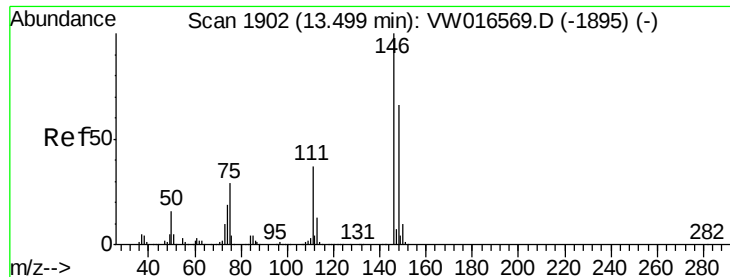
Ion Ratio Lower Upper

173 100

175 49.9 38.6 57.8

254 10.7 8.2 12.4





#63

1,3-Dichlorobenzene

Concen: 27.155 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW016569.D

Acq: 17 Sep 2020 10:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

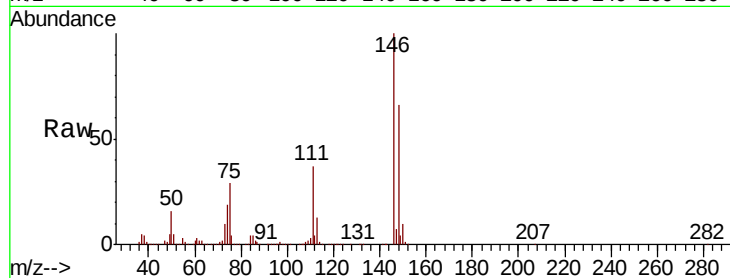
Tot Ion:146 Resp: 459350

Ion Ratio Lower Upper

146 100

111 37.5 25.0 46.4

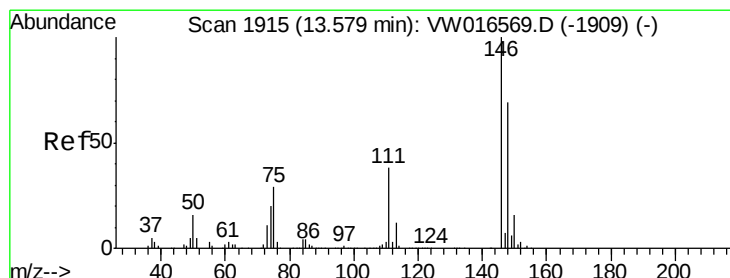
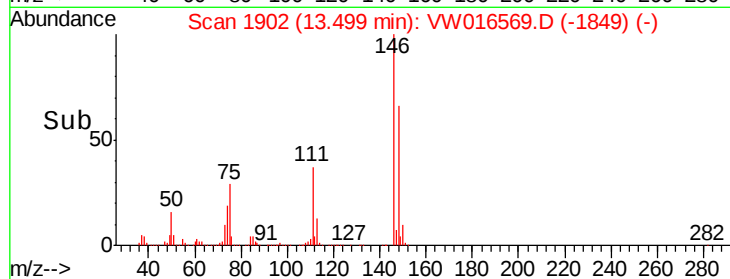
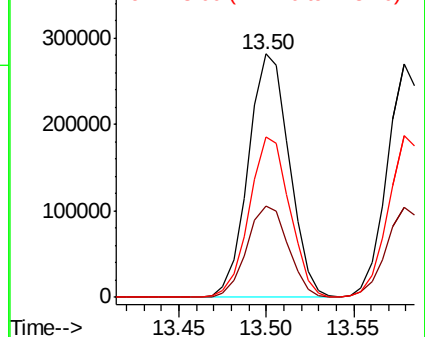
148 65.9 44.0 81.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 26.533 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.01 min

Lab File: VW016569.D

Acq: 17 Sep 2020 10:23

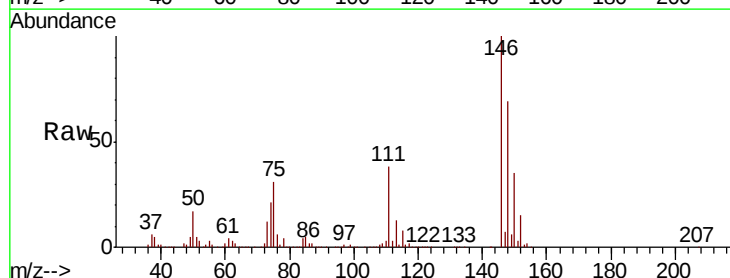
Tgt Ion:146 Resp: 439543

Ion Ratio Lower Upper

146 100

111 38.5 25.1 46.5

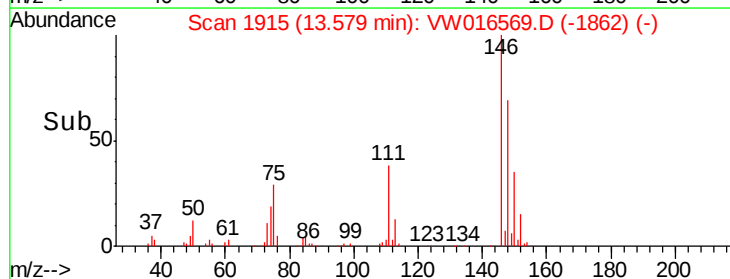
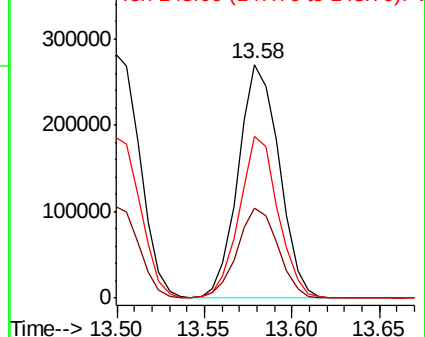
148 69.1 42.3 78.5

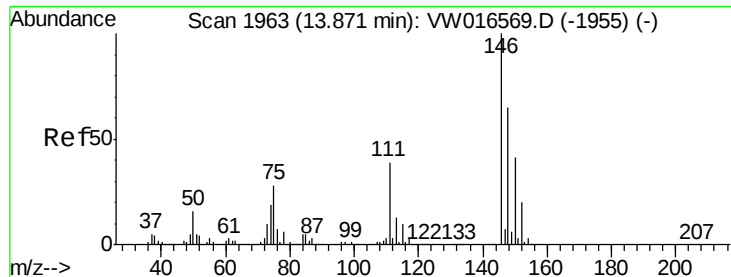


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

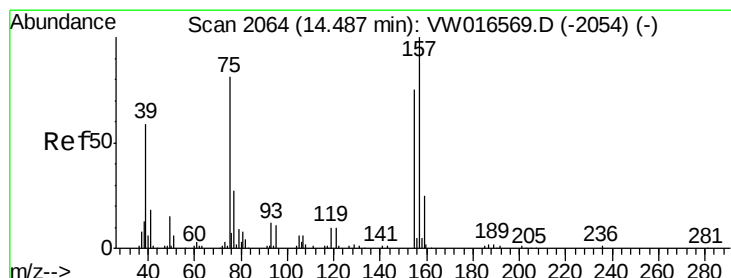
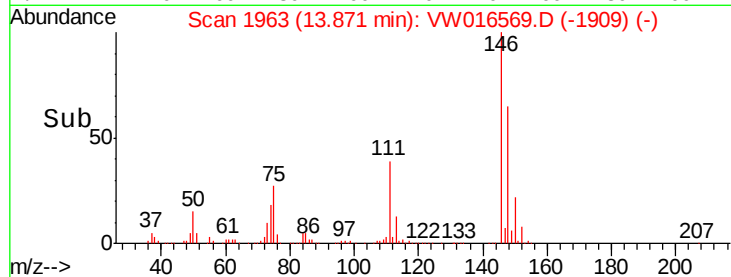
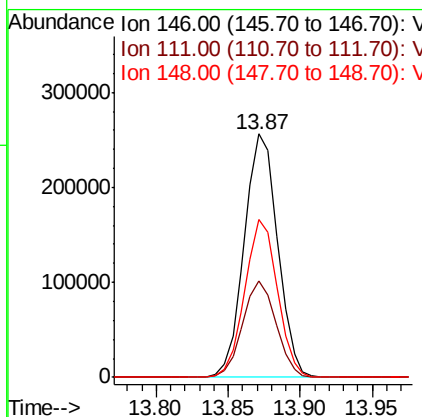
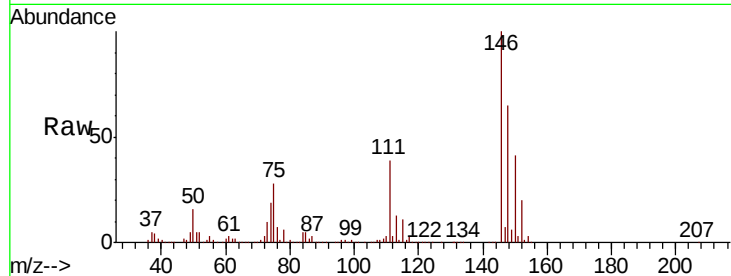




#65
 1,2-Dichlorobenzene
 Concen: 27.182 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016569.D
 Acq: 17 Sep 2020 10:23

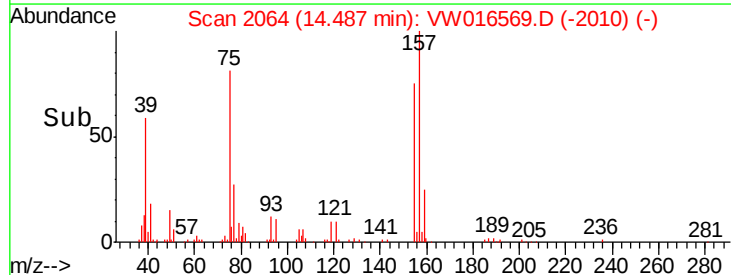
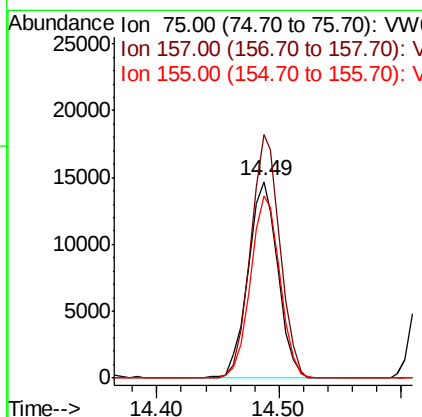
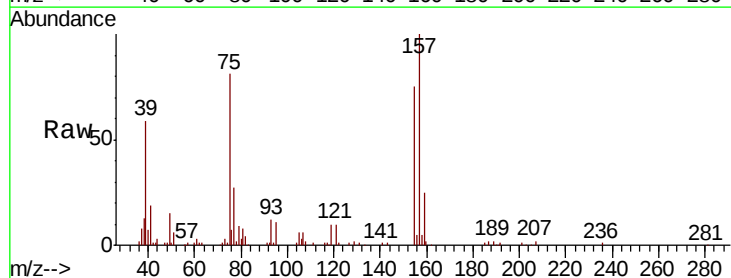
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

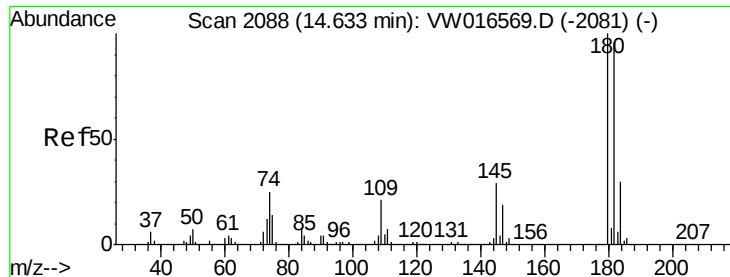
Tot Ion:146 Resp: 410851
 Ion Ratio Lower Upper
 146 100
 111 39.4 31.4 47.0
 148 65.0 49.3 73.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.902 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016569.D
 Acq: 17 Sep 2020 10:23

Tgt Ion: 75 Resp: 24813
 Ion Ratio Lower Upper
 75 100
 157 124.0 92.2 138.4
 155 92.8 73.5 110.3

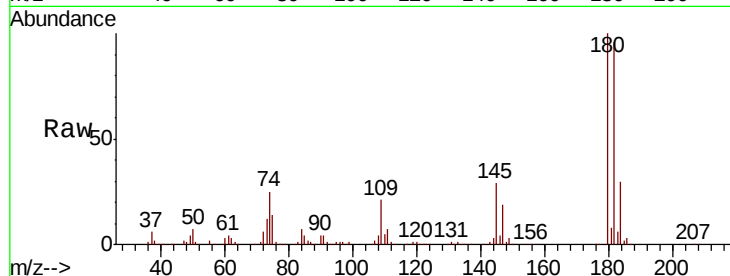




#67
 1,3,5-Trichlorobenzene
 Concen: 28.252 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW016569.D
 Acq: 17 Sep 2020 10:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.5	73.8	110.8
184	30.9	23.7	35.5
145	29.5	22.8	34.2



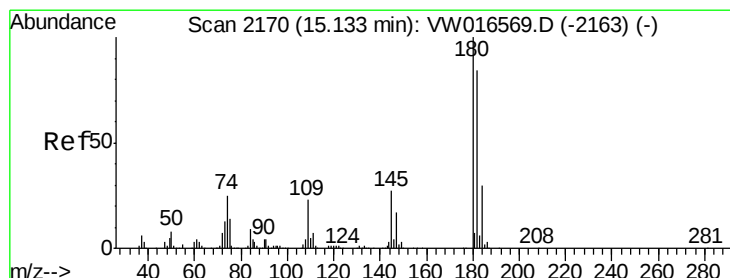
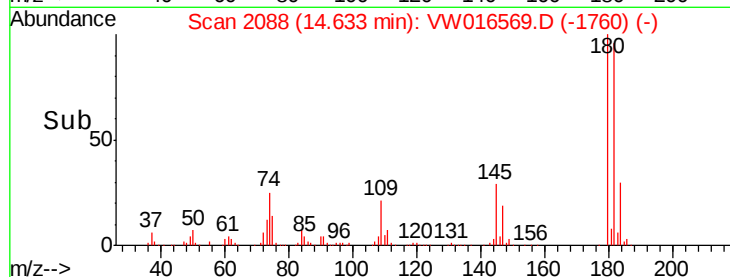
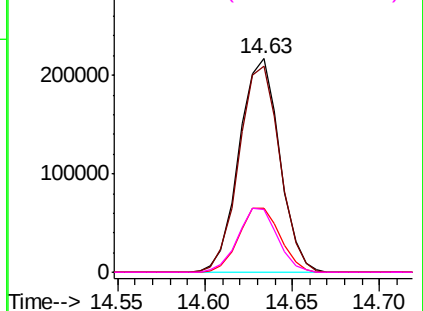
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

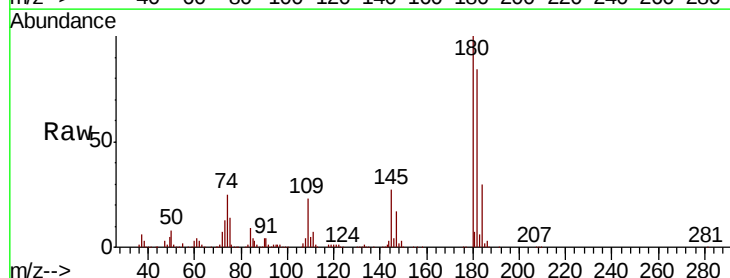
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 28.847 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016569.D
 Acq: 17 Sep 2020 10:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	74.5	111.7
145	29.0	23.1	34.7

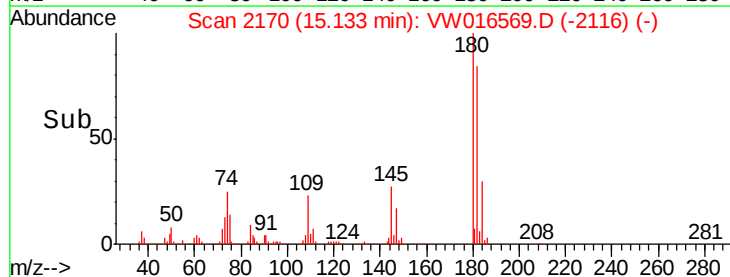
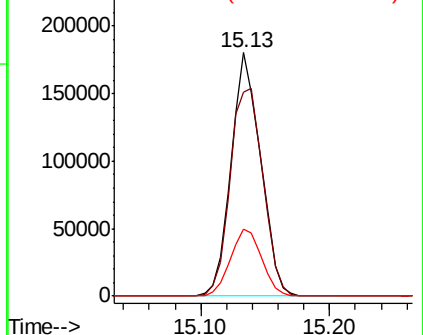


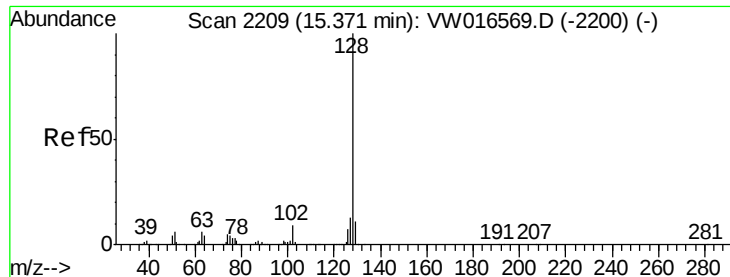
Abundance

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: 25.657 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW016569.D

Acq: 17 Sep 2020 10:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

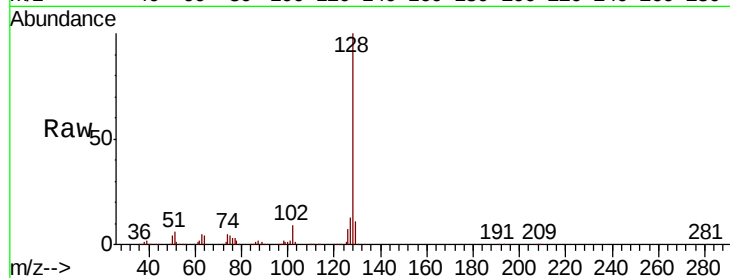
Tot Ion:128 Resp: 455171

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

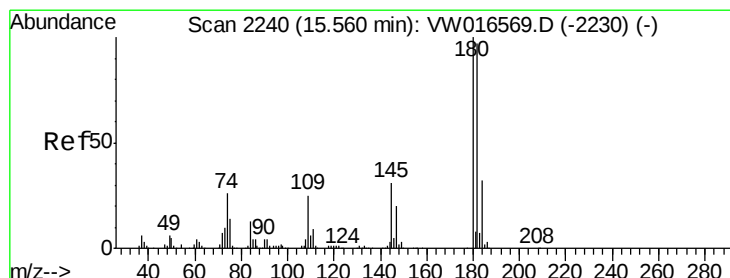
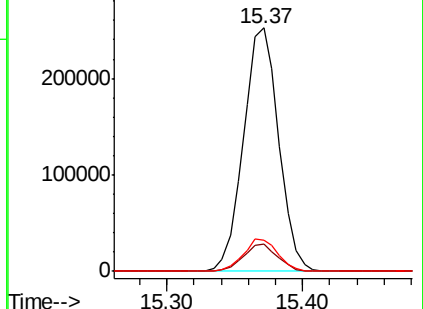
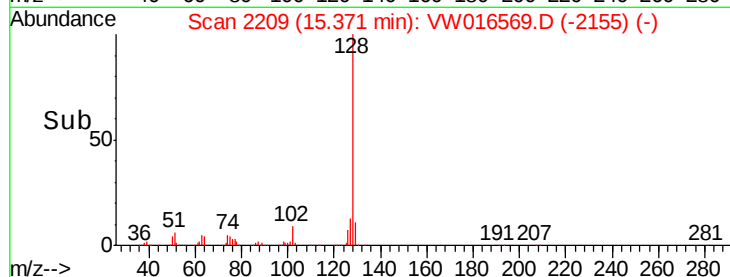
127 13.2 10.8 16.2



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: 27.128 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW016569.D

Acq: 17 Sep 2020 10:23

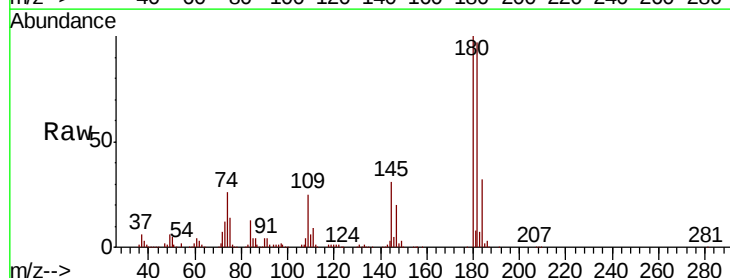
Tgt Ion:180 Resp: 233498

Ion Ratio Lower Upper

180 100

182 97.7 76.3 114.5

145 31.1 24.1 36.1



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

