

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080520\
 Data File : VW016037.D
 Acq On : 05 Aug 2020 10:27
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

Quant Time: Aug 06 02:52:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 05 03:09:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	253745	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	231985	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	116244	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	93969	26.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.96%
7) Chloroethane-d5	2.90	69	70306	24.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.72%
10) 1,1-Dichloroethene-d2	4.01	63	190600	26.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	105.32%
20) 2-Butanone-d5	7.08	46	44350	47.15	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.30%
24) Chloroform-d	7.65	84	189185	26.55	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.20%
26) 1,2-Dichloroethane-d4	8.31	65	95504	24.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.64%
29) Benzene-d6	8.27	84	375234	26.57	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.28%
33) 1,2-Dichloropropane-d6	9.27	67	106911	25.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.00%
37) Toluene-d8	10.32	98	351269	27.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	109.84%
38) trans-1,3-Dichloropropene-	10.58	79	48501	26.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	107.52%
39) 2-Hexanone-d5	10.93	63	35806	50.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.60%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	81455	25.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.12%
61) 1,2-Dichlorobenzene-d4	13.86	152	117423	25.91	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.64%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	52160	24.293	ug/L	92
3) Chloromethane	2.21	50	58580	22.558	ug/L	100
5) Vinyl chloride	2.37	62	87611	21.874	ug/L	98
6) Bromomethane	2.78	94	54632	22.864	ug/L	97
8) Chloroethane	2.93	64	52809	22.507	ug/L	94
9) Trichlorofluoromethane	3.26	101	73041	27.130	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	91998	27.955	ug/L	96
12) 1,1-Dichloroethene	4.03	96	86634	26.560	ug/L	86
13) Acetone	4.12	43	42125	53.333	ug/L	93
14) Carbon disulfide	4.37	76	241295	23.423	ug/L	99
15) Methyl Acetate	4.67	43	36373	24.423	ug/L	97
16) Methylene chloride	4.91	84	88284	21.233	ug/L	94
17) Methyl tert-butyl Ether	5.43	73	124980	27.096	ug/L	96
18) trans-1,2-Dichloroethene	5.42	96	90782	26.356	ug/L	95
19) 1,1-Dichloroethane	6.22	63	164376	25.896	ug/L	98
21) 2-Butanone	7.18	43	50468	51.671	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	96868	26.880	ug/L	94

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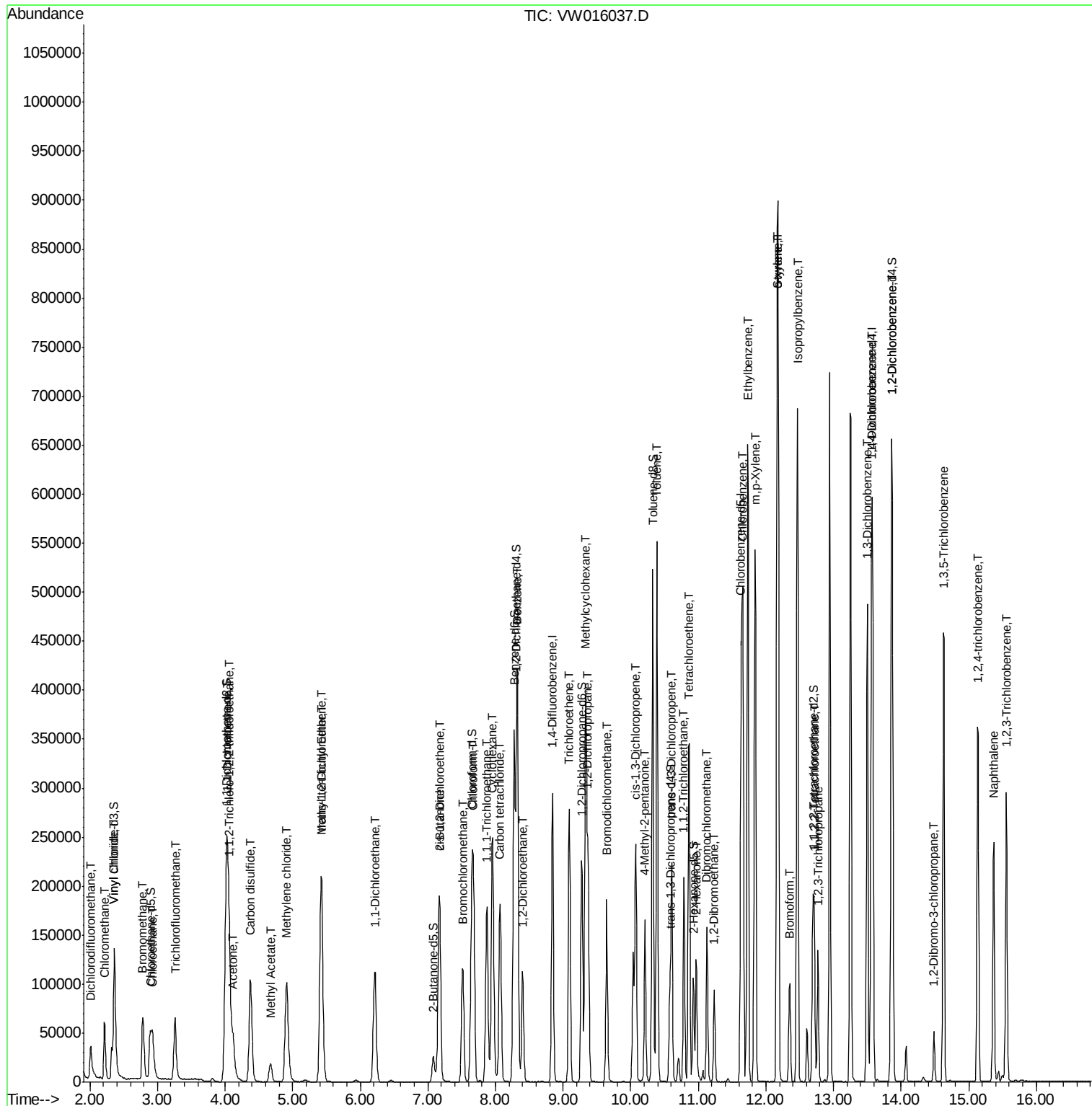
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	43324	27.416	ug/L	85
25) Chloroform	7.68	83	171426	27.250	ug/L	99
27) 1,2-Dichloroethane	8.40	62	104960	24.520	ug/L	98
30) Cyclohexane	7.96	56	142626	24.383	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	151141	27.902	ug/L	97
32) Carbon tetrachloride	8.07	117	142408	28.992	ug/L	99
34) Benzene	8.32	78	370415	26.289	ug/L	100
35) Trichloroethene	9.09	95	98249	26.360	ug/L	96
36) Methylcyclohexane	9.34	83	162785	25.453	ug/L	99
40) 1,2-Dichloropropane	9.37	63	90796	26.012	ug/L	99
41) Bromodichloromethane	9.65	83	122047	27.075	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	142259	26.760	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	104852	51.465	ug/L	97
44) Toluene	10.39	91	401948	27.200	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	124567	27.034	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	67345	26.831	ug/L	98
47) Tetrachloroethene	10.87	164	79872	27.608	ug/L	95
49) 2-Hexanone	10.97	43	74496	51.526	ug/L	97
50) Dibromochloromethane	11.13	129	84236	28.987	ug/L	97
51) 1,2-Dibromoethane	11.24	107	64500	26.862	ug/L	95
52) Chlorobenzene	11.66	112	257406	27.183	ug/L	99
53) Ethylbenzene	11.73	91	452288	27.218	ug/L	98
54) m,p-Xylene	11.84	106	172694	27.778	ug/L	95
55) o-xylene	12.17	106	163345	27.903	ug/L	100
56) Styrene	12.18	104	282993	28.426	ug/L	100
57) Isopropylbenzene	12.47	105	457458	28.706	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	79253	26.889	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	58300	26.400	ug/L	100
62) Bromoform	12.35	173	48253	28.218	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	203443	27.345	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	204533	27.088	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	180742	26.746	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	13459	26.461	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	152672	29.185	ug/L	97
68) 1,2,4-trichlorobenzene	15.14	180	118177	28.441	ug/L	98
69) Naphthalene	15.37	128	207956	26.566	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	106002	28.632	ug/L	98

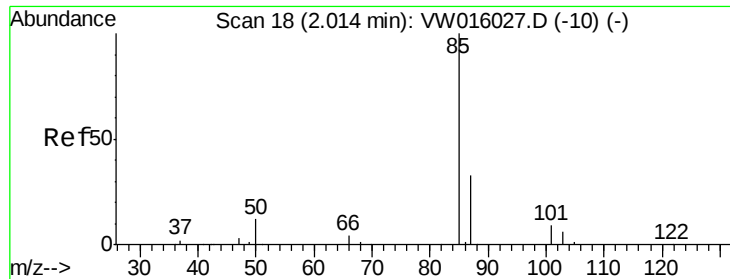
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#2

Dichlorodifluoromethane

Concen: 24.293 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW016037.D

Acq: 05 Aug 2020 10:27

Instrument :

MSVOA_W

ClientSampleId :

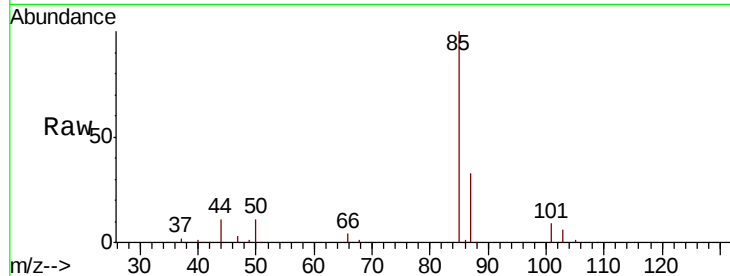
VSTD02525

Tot Ion: 85 Resp: 52160

Ion Ratio Lower Upper

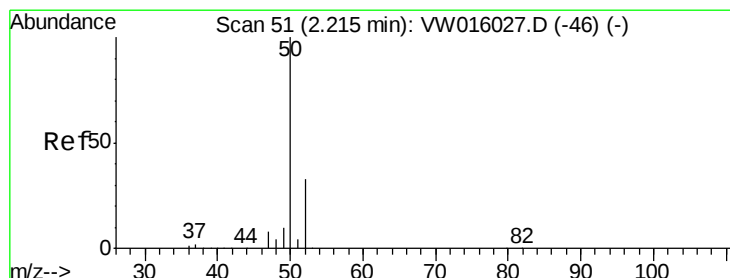
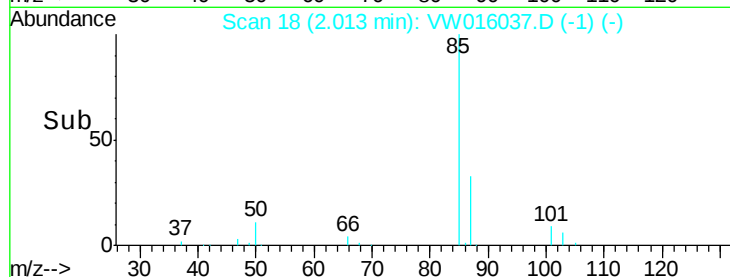
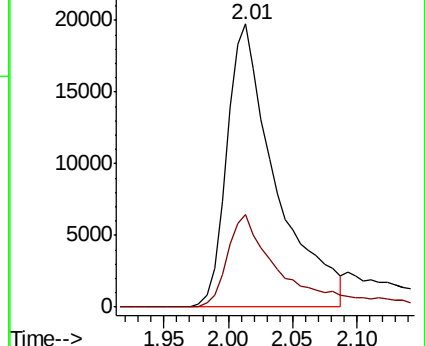
85 100

87 34.3 21.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 22.558 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW016037.D

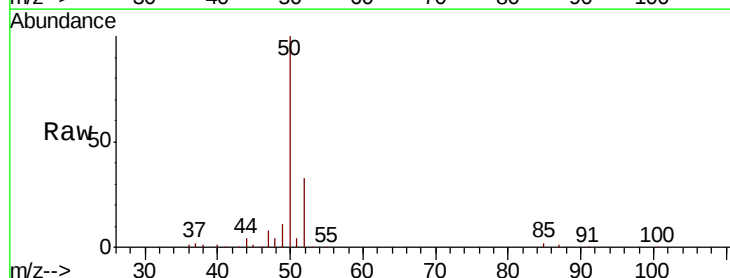
Acq: 05 Aug 2020 10:27

Tgt Ion: 50 Resp: 58580

Ion Ratio Lower Upper

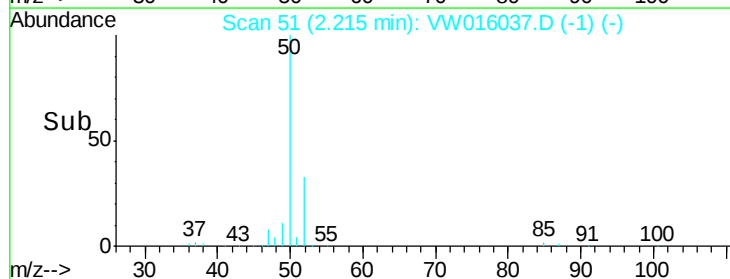
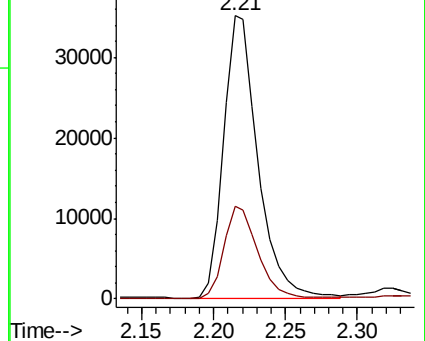
50 100

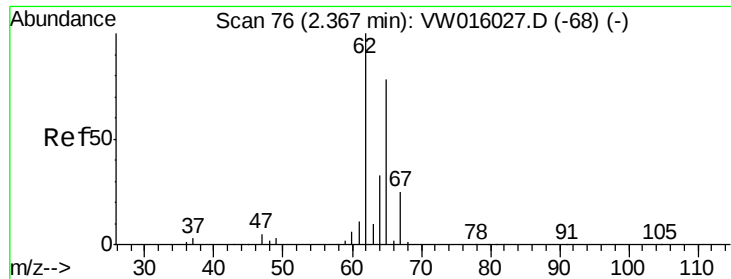
52 32.8 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 21.874 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW016037.D

Acq: 05 Aug 2020 10:27

Instrument :

MSVOA_W

ClientSampleId :

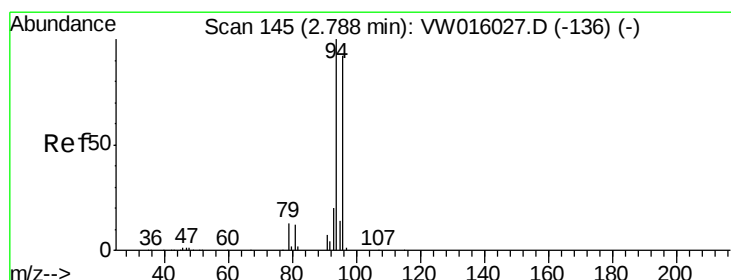
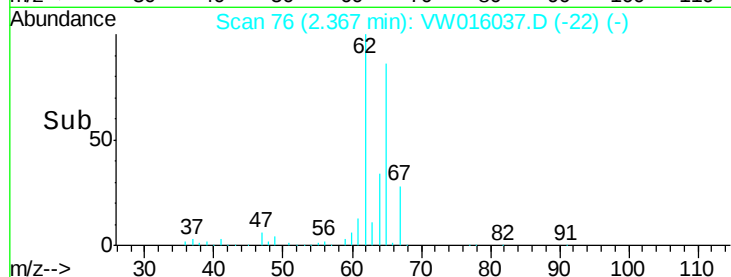
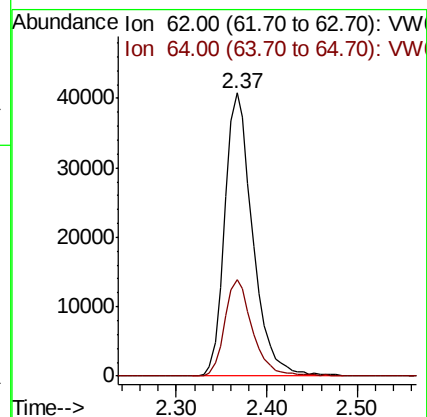
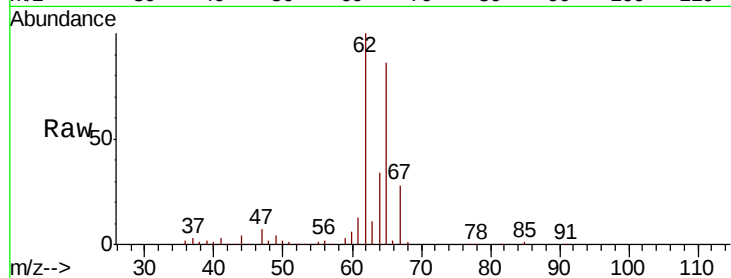
VSTD02525

Tot Ion: 62 Resp: 87611

Ion Ratio Lower Upper

62 100

64 34.0 23.2 43.0



#6

Bromomethane

Concen: 22.864 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW016037.D

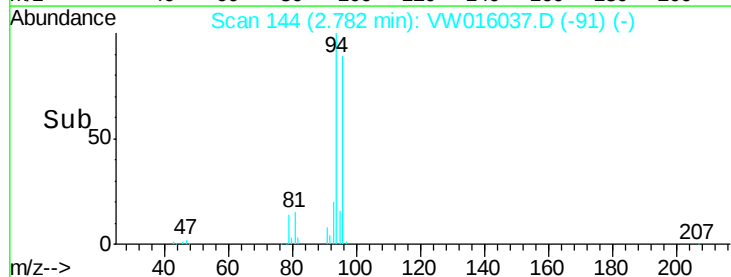
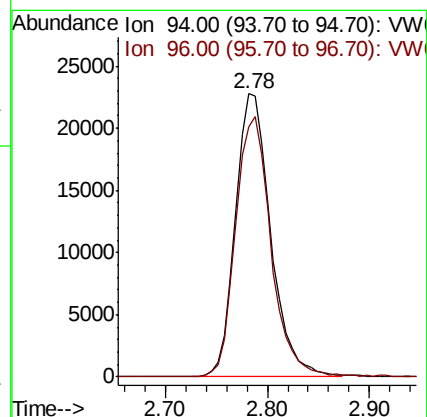
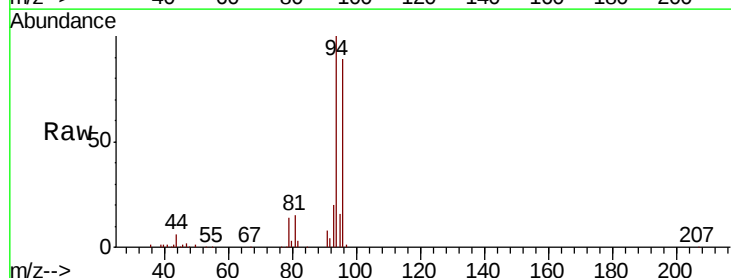
Acq: 05 Aug 2020 10:27

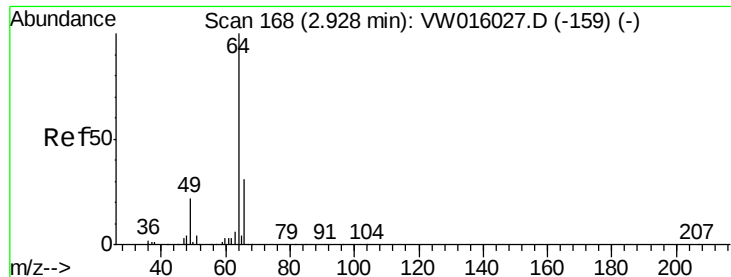
Tgt Ion: 94 Resp: 54632

Ion Ratio Lower Upper

94 100

96 91.8 9.5 180.1





#8

Chloroethane

Concen: 22.507 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW016037.D

Acq: 05 Aug 2020 10:27

Instrument :

MSVOA_W

ClientSampleId :

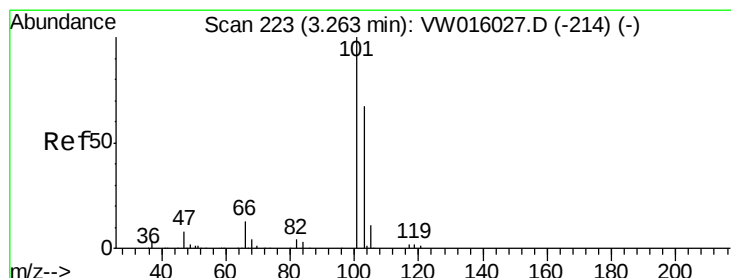
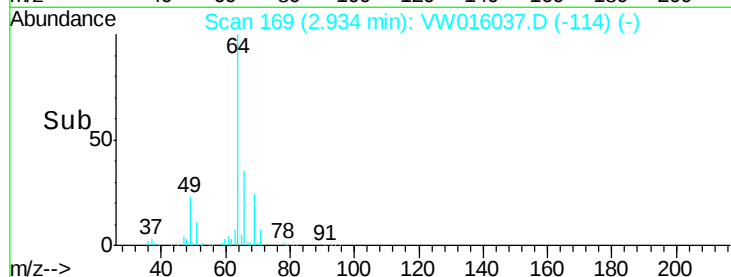
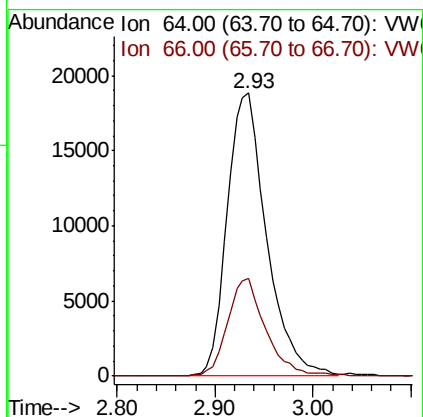
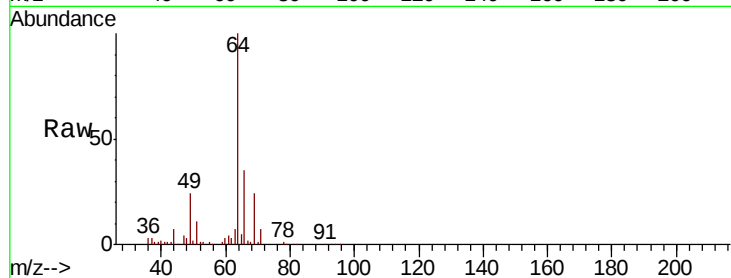
VSTD02525

Tot Ion: 64 Resp: 52809

Ion Ratio Lower Upper

64 100

66 34.6 21.8 40.4



#9

Trichlorofluoromethane

Concen: 27.130 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW016037.D

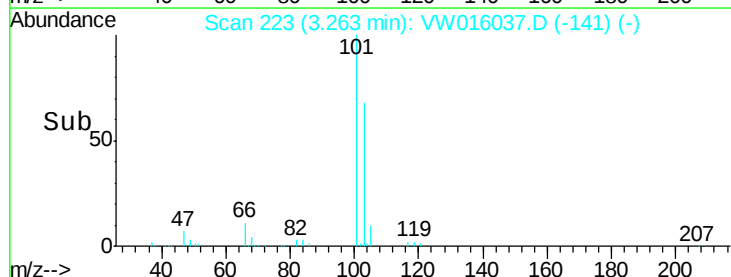
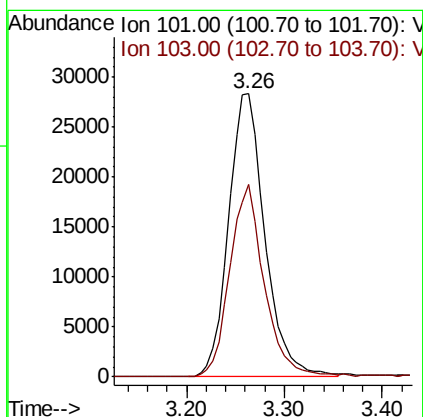
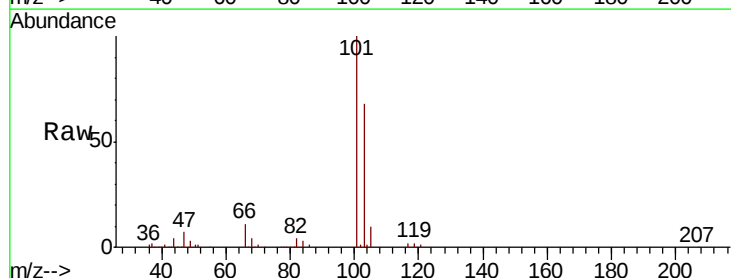
Acq: 05 Aug 2020 10:27

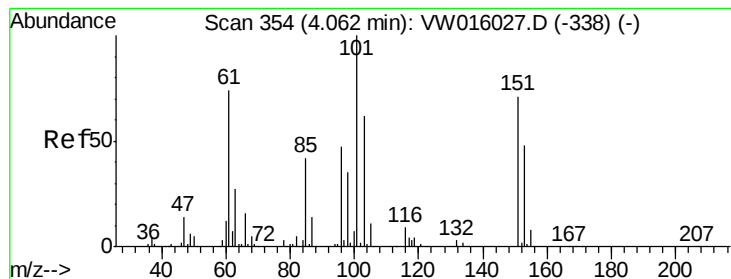
Tgt Ion: 101 Resp: 73041

Ion Ratio Lower Upper

101 100

103 64.3 45.8 85.2





#11

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

Concen: 27.955 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW016037.D

Acq: 05 Aug 2020 10:27

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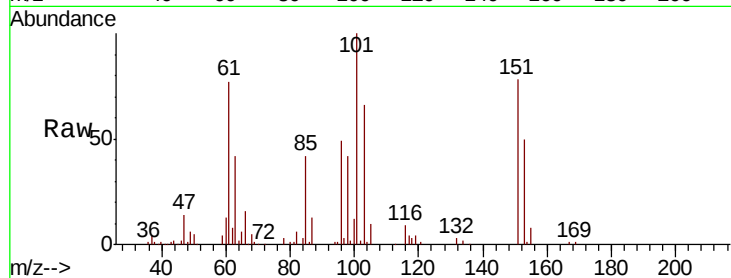
Tot Ion:101 Resp: 91998

Ion Ratio Lower Upper

101 100

85 41.5 35.5 53.3

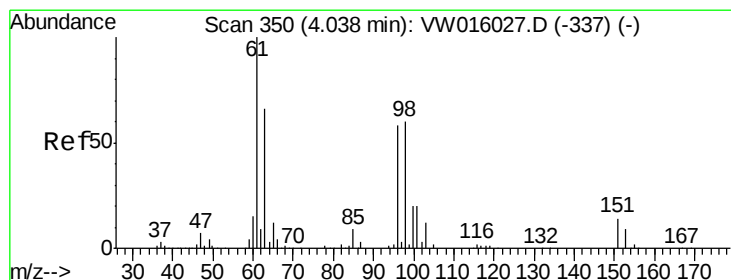
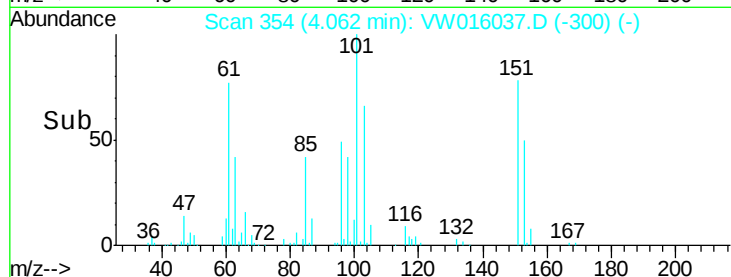
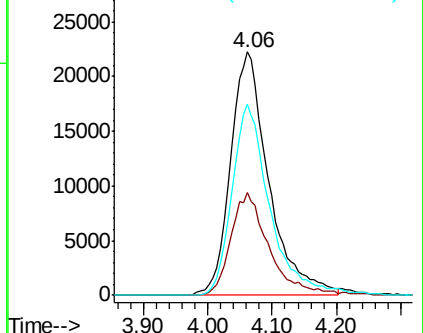
151 76.3 58.4 87.6



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: 26.560 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW016037.D

Acq: 05 Aug 2020 10:27

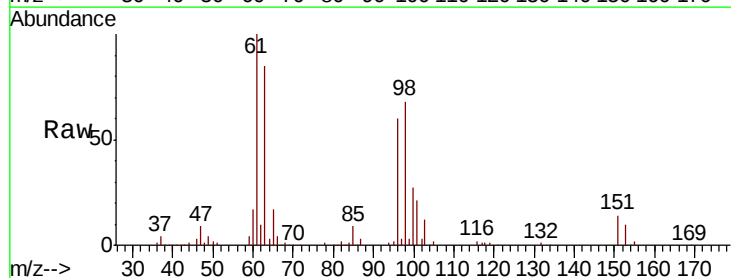
Tgt Ion: 96 Resp: 86634

Ion Ratio Lower Upper

96 100

61 166.1 125.0 232.2

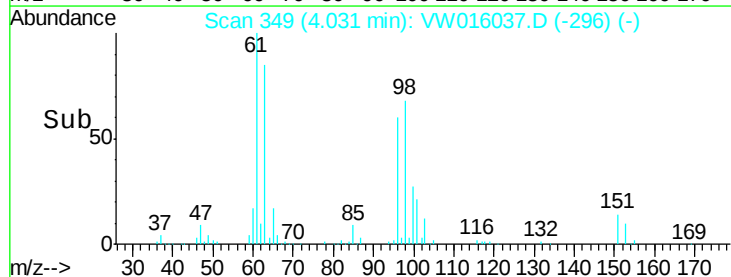
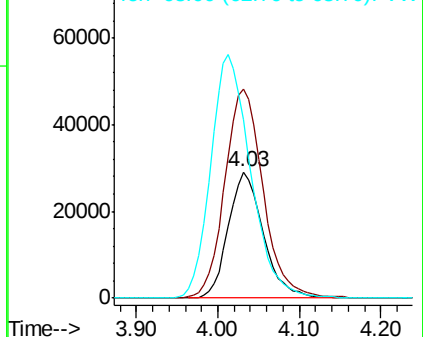
63 141.1 82.3 152.8

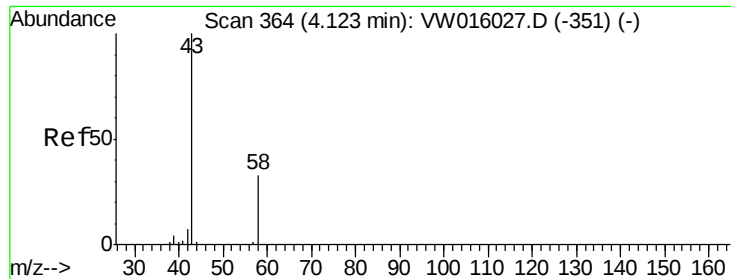


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 53.333 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW016037.D

Acq: 05 Aug 2020 10:27

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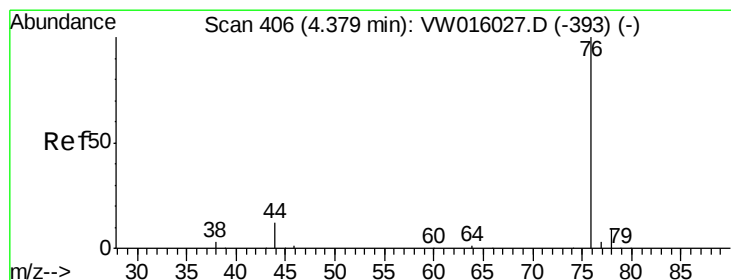
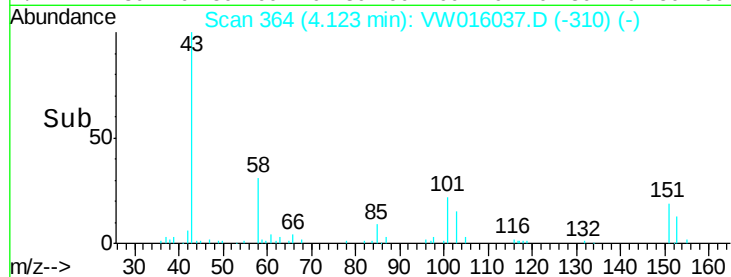
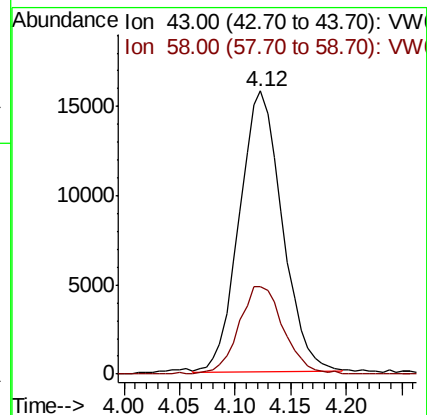
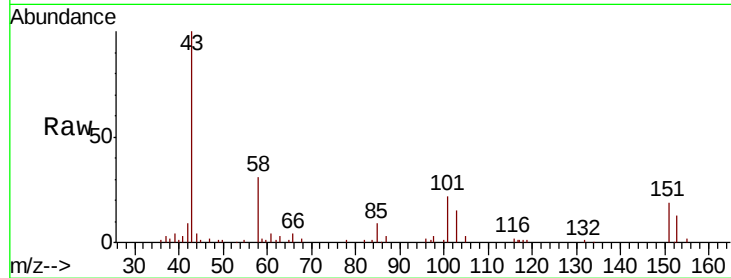
VSTD02525

Tot Ion: 43 Resp: 42125

Ion Ratio Lower Upper

43 100

58 32.6 0.0 58.2



#14

Carbon disulfide

Concen: 23.423 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

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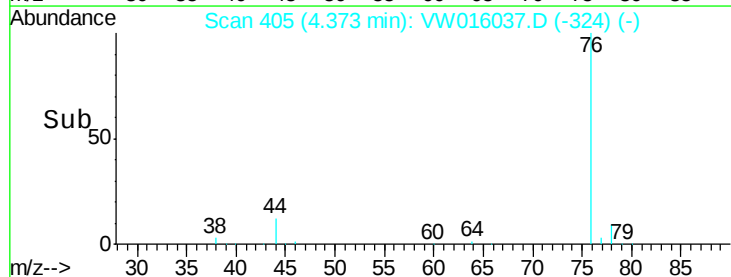
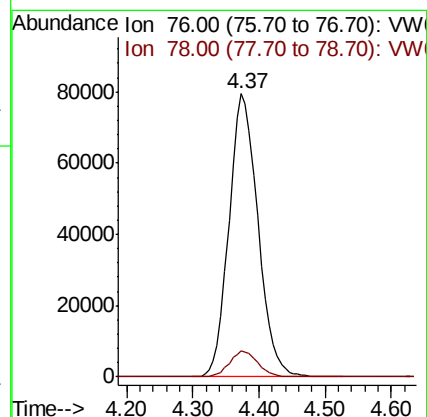
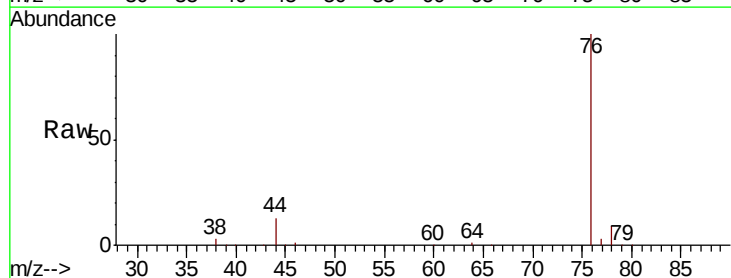
Acq: 05 Aug 2020 10:27

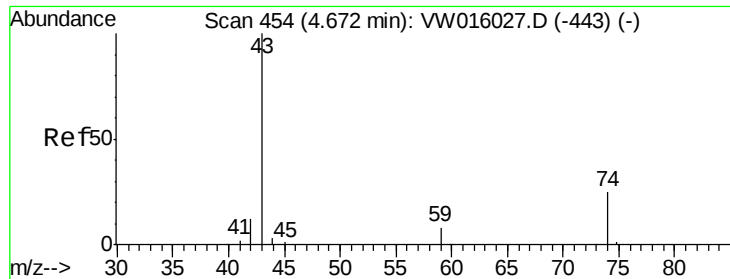
Tgt Ion: 76 Resp: 241295

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8

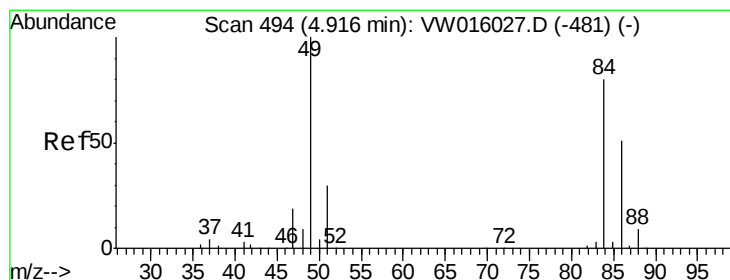
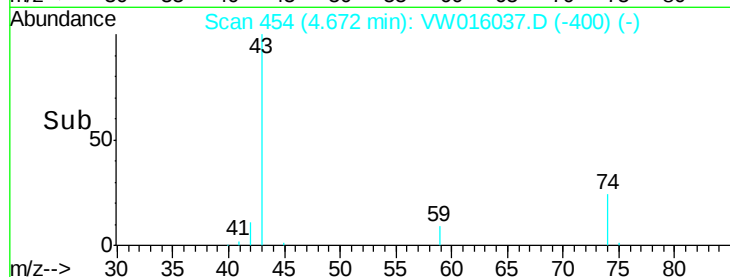
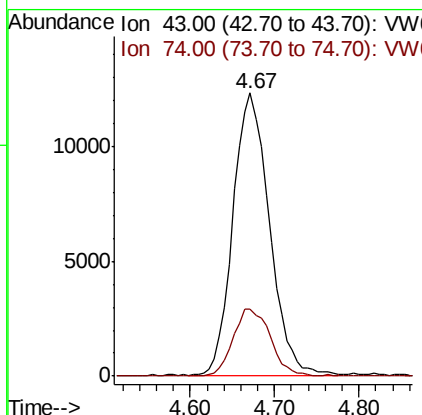
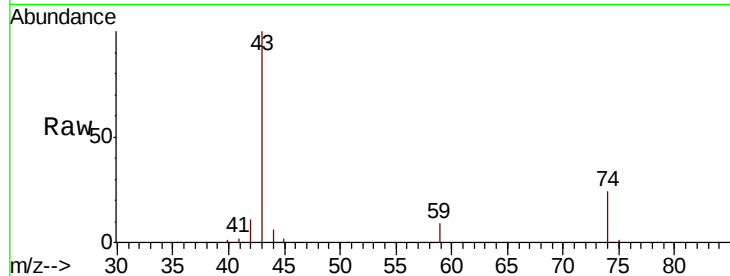




#15
Methyl Acetate
Concen: 24.423 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW016037.D
Acq: 05 Aug 2020 10:27

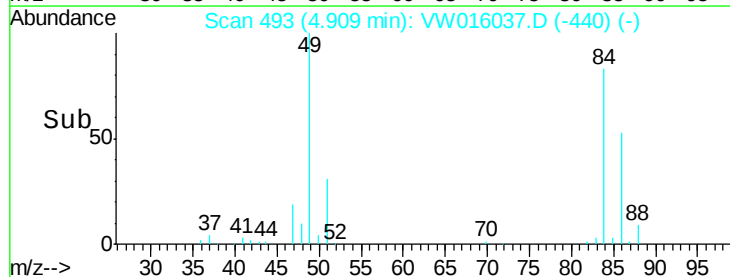
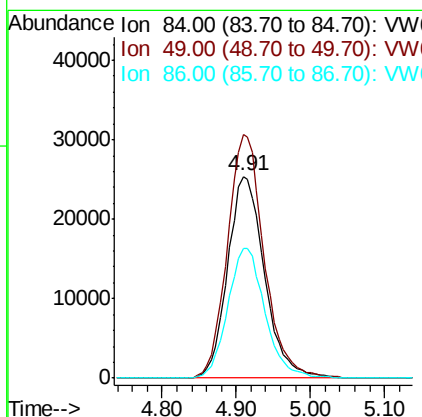
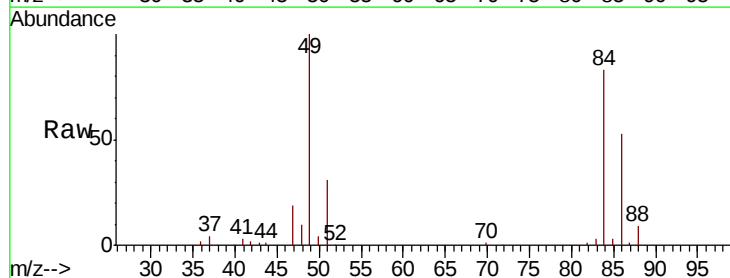
Instrument :
MSVOA_W
ClientSampled :
VSTD02525

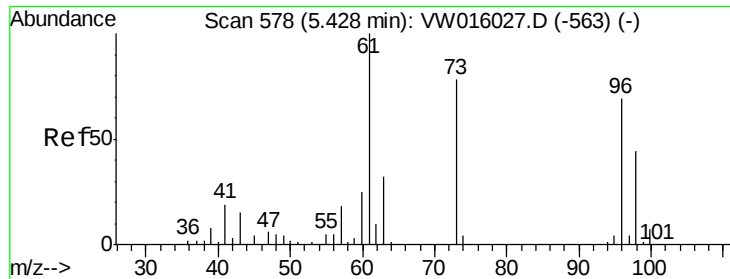
Tot Ion: 43 Resp: 36373
Ion Ratio Lower Upper
43 100
74 24.0 18.2 27.2



#16
Methylene chloride
Concen: 21.233 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW016037.D
Acq: 05 Aug 2020 10:27

Tgt Ion: 84 Resp: 88284
Ion Ratio Lower Upper
84 100
49 120.6 91.1 169.1
86 64.5 46.0 85.4

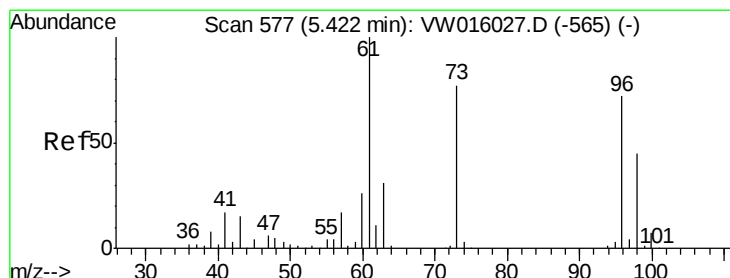
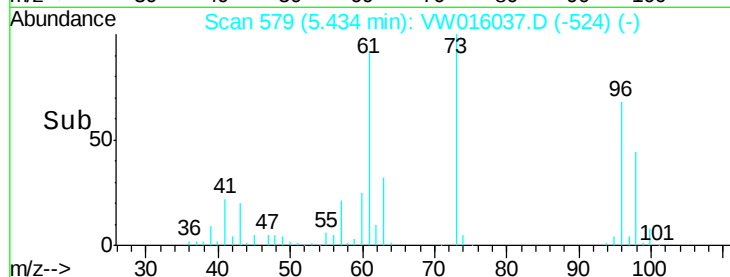
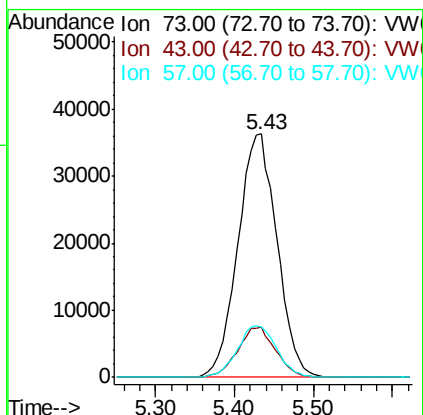
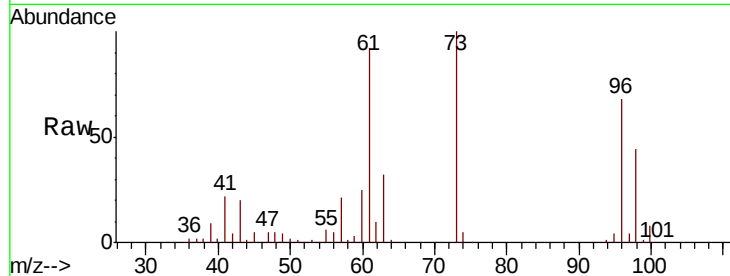




#17
Methvl tert-butvl Ether
Concen: 27.096 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW016037.D
Acq: 05 Aug 2020 10:27

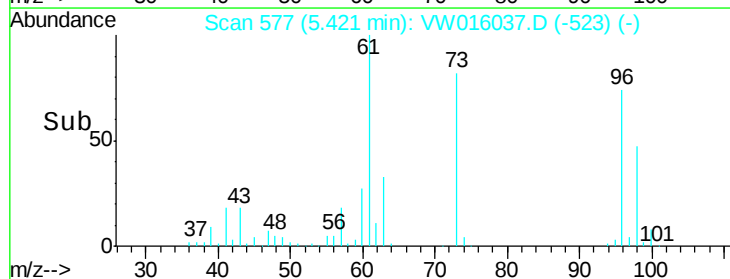
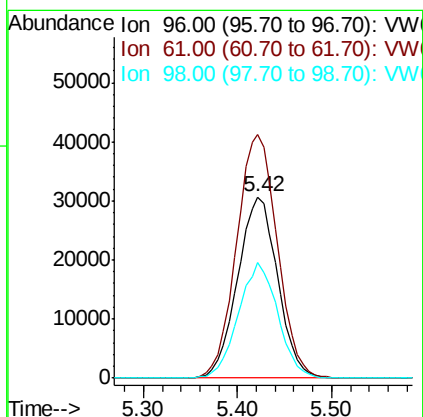
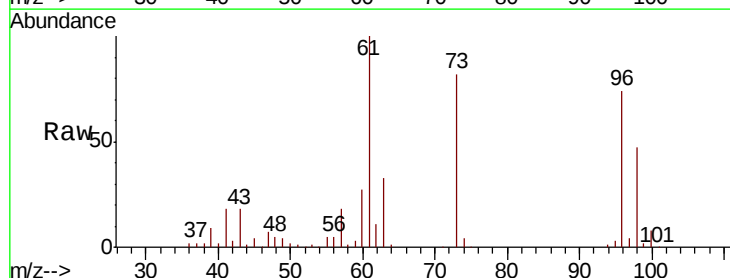
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

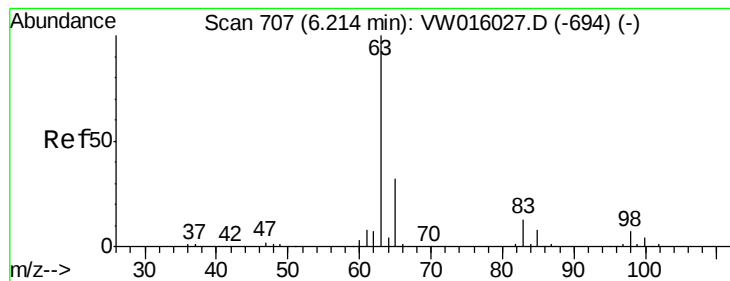
Tot Ion: 73 Resp: 124980
Ion Ratio Lower Upper
73 100
43 20.1 18.4 27.6
57 21.4 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 26.356 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW016037.D
Acq: 05 Aug 2020 10:27

Tgt Ion: 96 Resp: 90782
Ion Ratio Lower Upper
96 100
61 134.5 99.3 184.5
98 63.7 42.9 79.7





#19

1,1-Dichloroethane

Concen: 25.896 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW016037.D

Acq: 05 Aug 2020 10:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

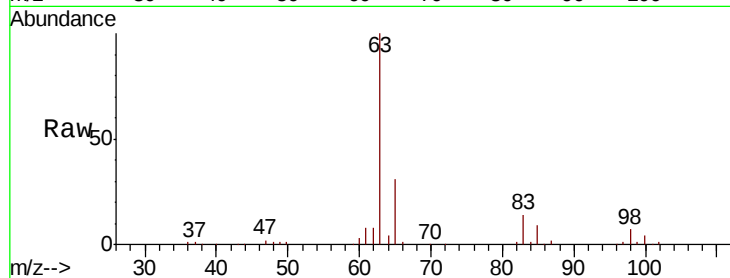
Tot Ion: 63 Resp: 164376

Ion Ratio Lower Upper

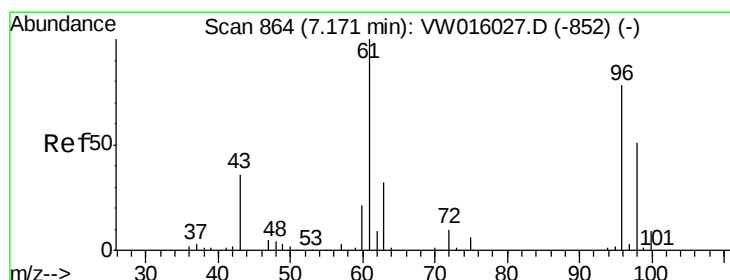
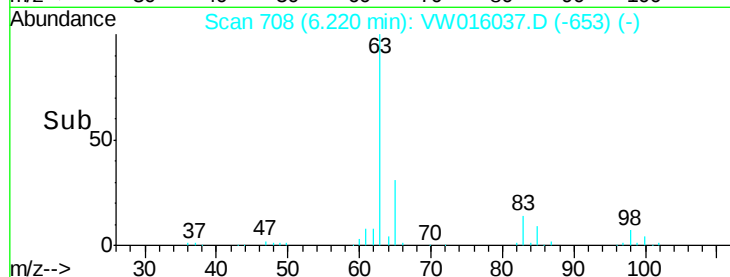
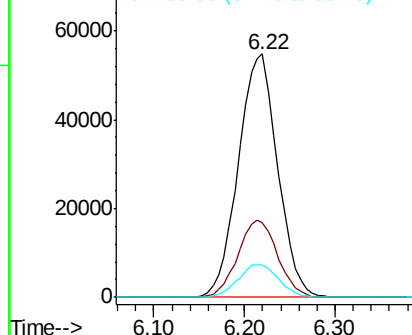
63 100

65 30.6 22.2 41.2

83 13.6 9.8 18.2



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: 51.671 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW016037.D

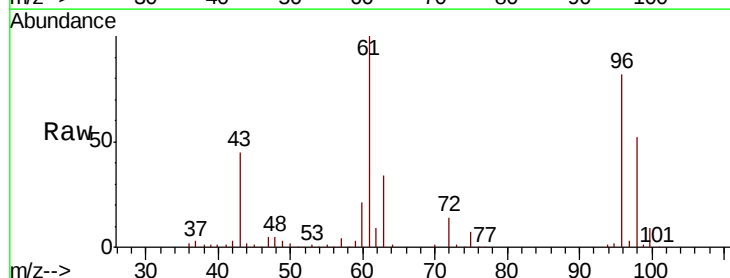
Acq: 05 Aug 2020 10:27

Tgt Ion: 43 Resp: 50468

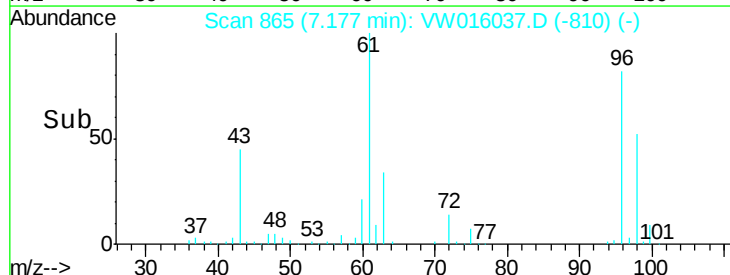
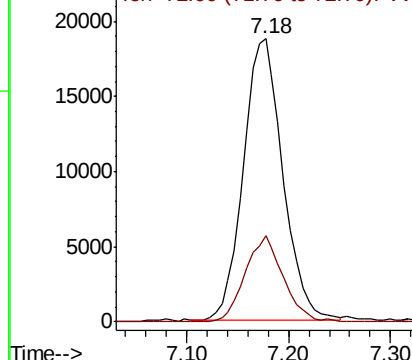
Ion Ratio Lower Upper

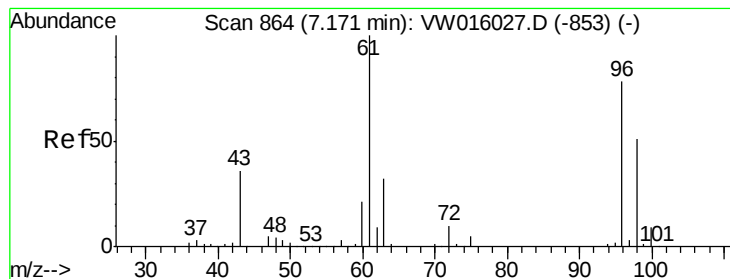
43 100

72 29.4 13.9 41.7



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



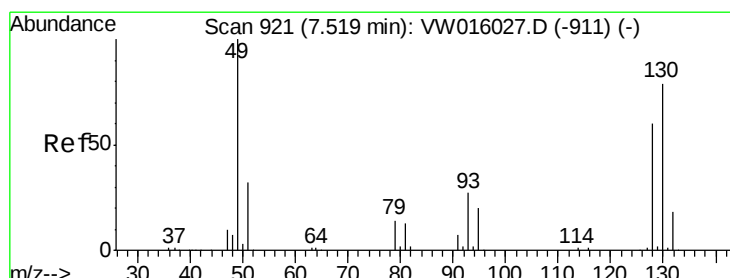
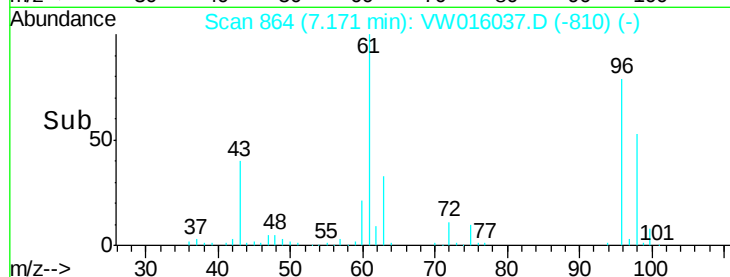
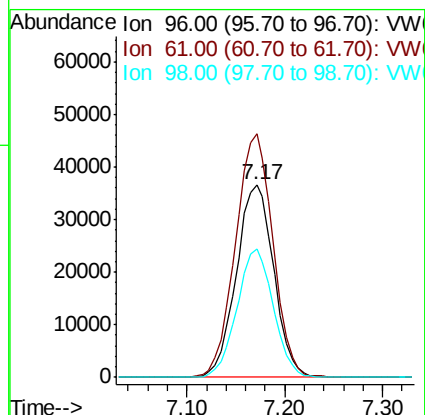
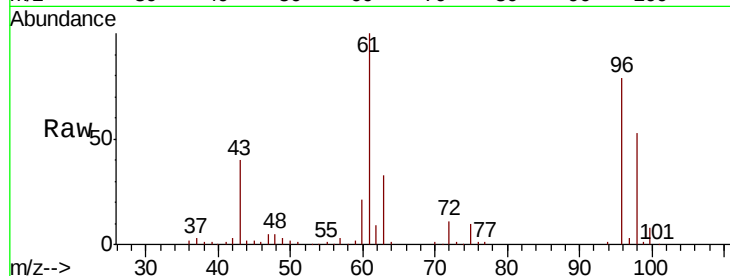


#22

cis-1,2-Dichloroethene
 Concen: 26.880 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW016037.D
 Acq: 05 Aug 2020 10:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

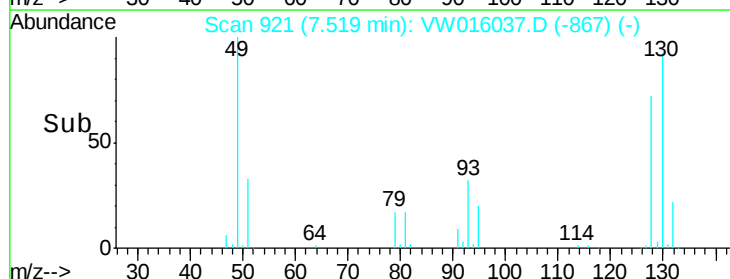
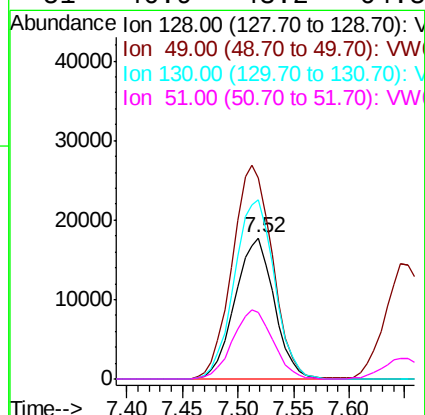
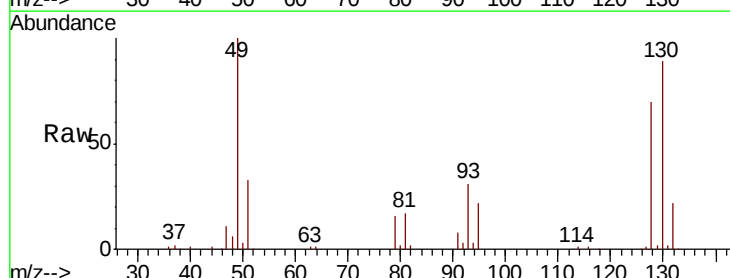
Tot Ion	Ratio	Lower	Upper
96	100		
61	126.3	94.6	175.8
98	66.4	44.3	82.3

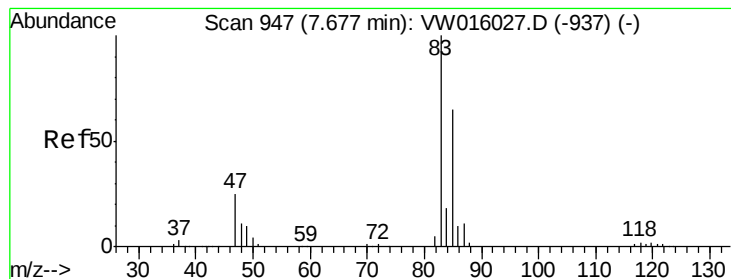


#23

Bromochloromethane
 Concen: 27.416 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VW016037.D
 Acq: 05 Aug 2020 10:27

Tgt Ion	Ratio	Lower	Upper
128	100		
49	142.3	122.4	227.2
130	127.1	93.9	174.5
51	46.9	43.2	64.8





#25

Chloroform

Concen: 27.250 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW016037.D

Acq: 05 Aug 2020 10:27

Instrument :

MSVOA_W

ClientSampleId :

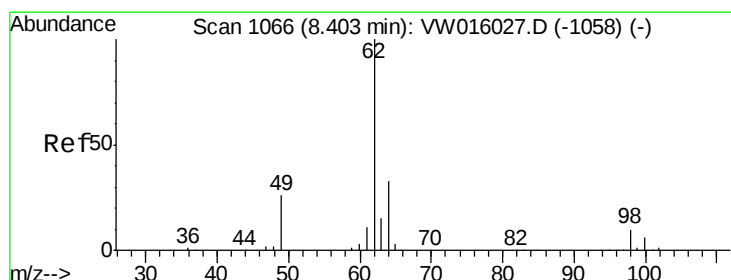
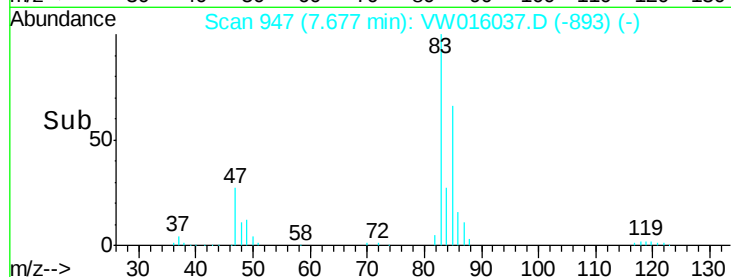
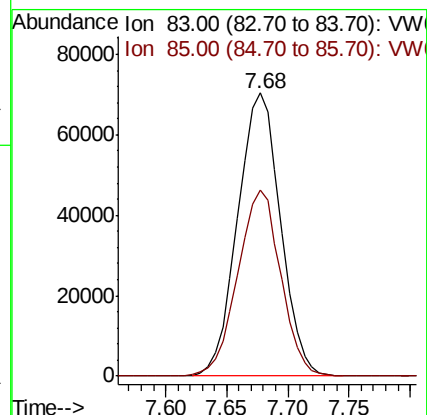
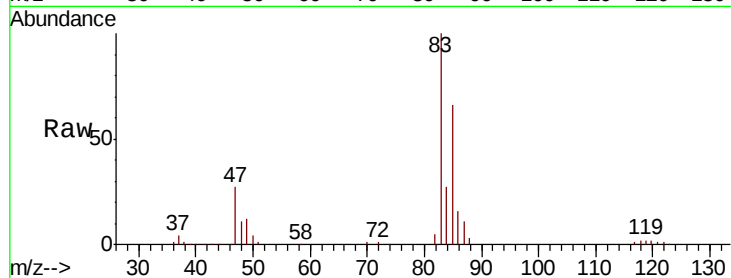
VSTD02525

Tot Ion: 83 Resp: 171426

Ion Ratio Lower Upper

83 100

85 65.8 46.5 86.5



#27

1,2-Dichloroethane

Concen: 24.520 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW016037.D

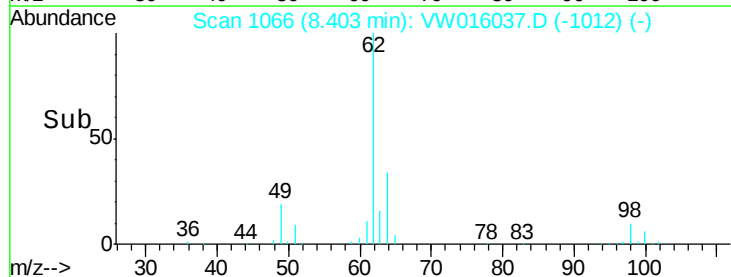
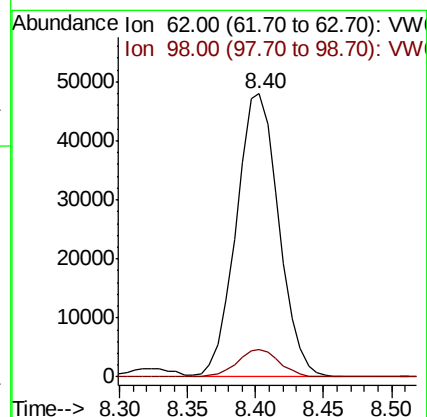
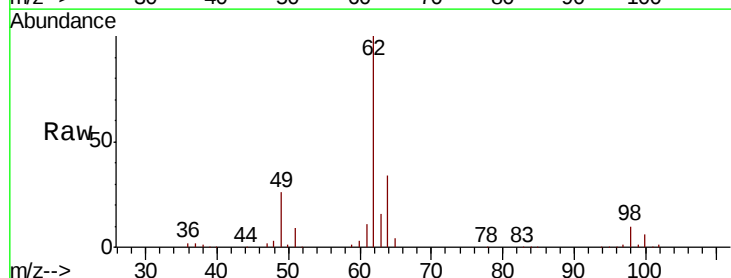
Acq: 05 Aug 2020 10:27

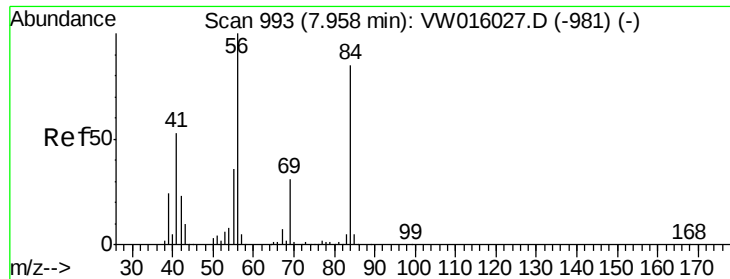
Tgt Ion: 62 Resp: 104960

Ion Ratio Lower Upper

62 100

98 9.6 7.0 10.6

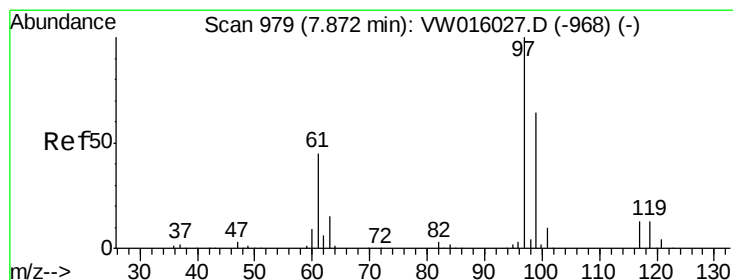
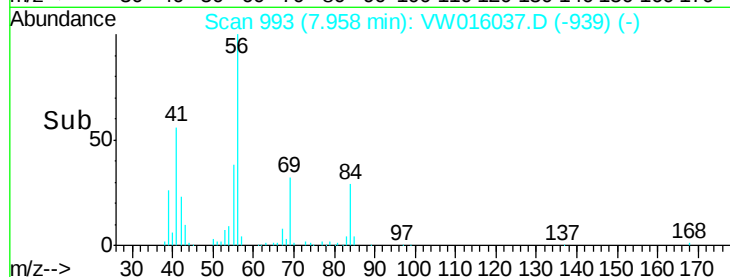
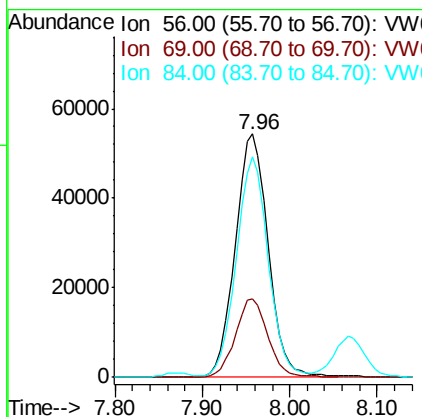
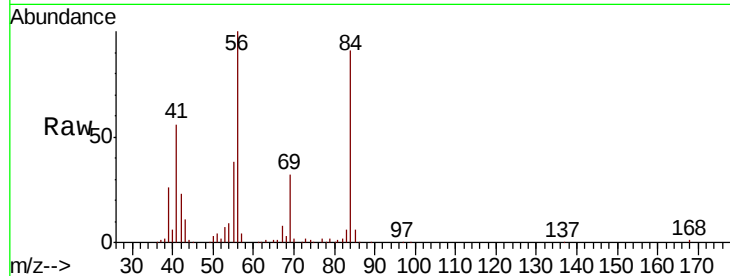




#30
Cyclohexane
Concen: 24.383 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW016037.D
Acq: 05 Aug 2020 10:27

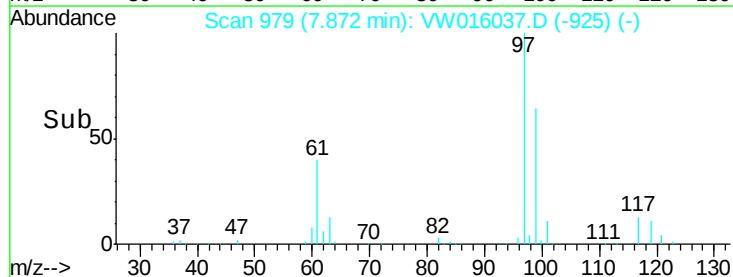
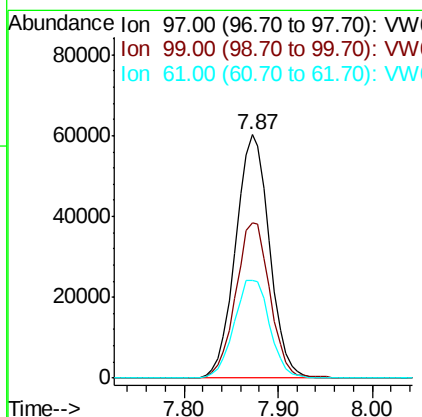
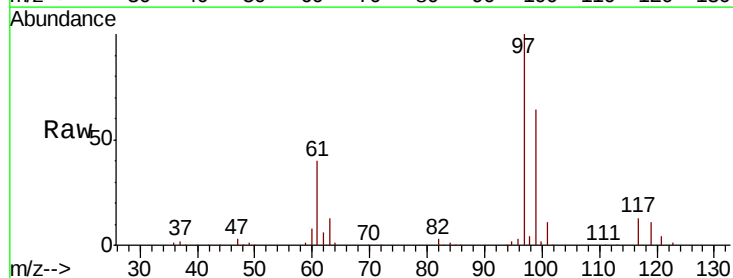
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

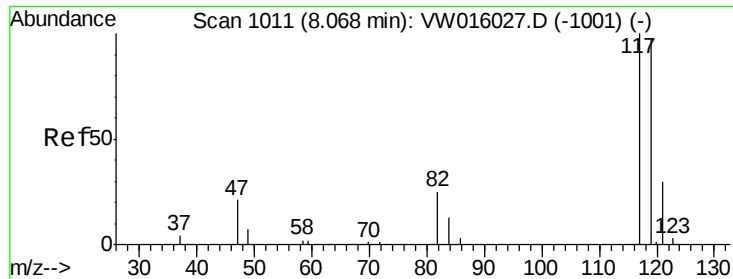
Tot Ion	Ratio	Lower	Upper
56	100		
69	31.6	24.4	36.6
84	88.0	69.3	103.9



#31
1,1,1-Trichloroethane
Concen: 27.902 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW016037.D
Acq: 05 Aug 2020 10:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.9	77.9
61	42.4	37.6	56.4





#32

Carbon tetrachloride

Concen: 28.992 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW016037.D

Acq: 05 Aug 2020 10:27

Instrument :

MSVOA_W

ClientSampleId :

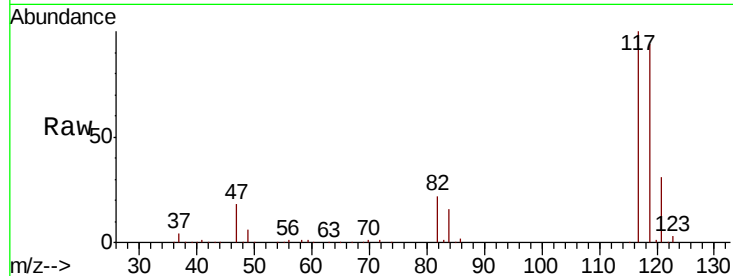
VSTD02525

Tot Ion:117 Resp: 142408

Ion Ratio Lower Upper

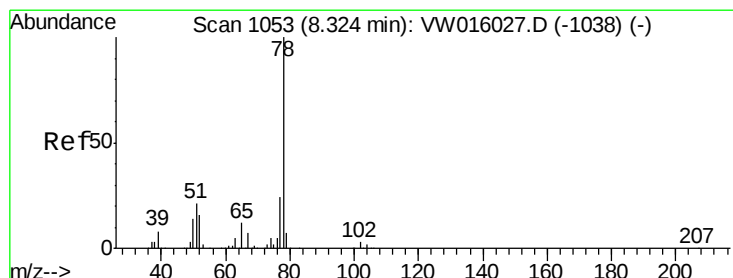
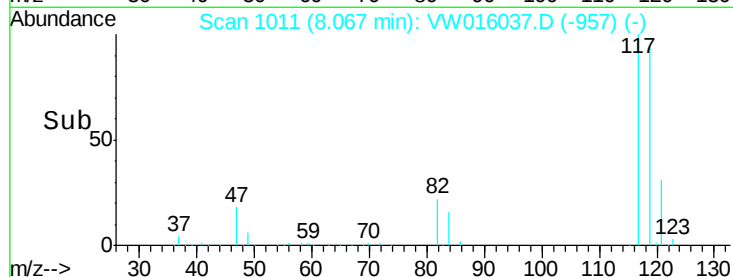
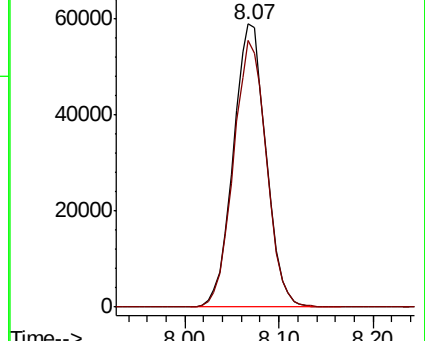
117 100

119 94.9 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.289 ug/L

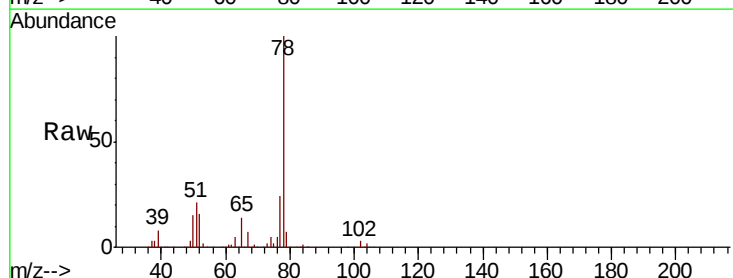
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

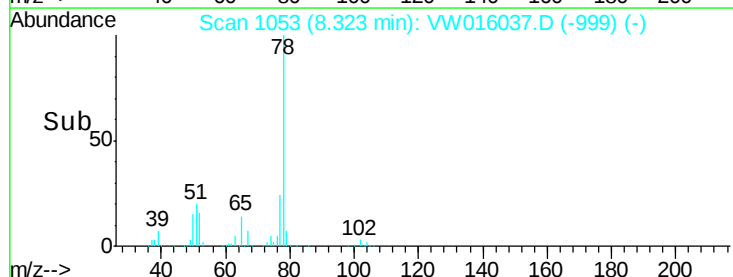
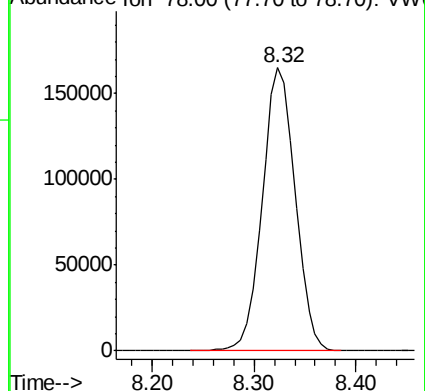
Lab File: VW016037.D

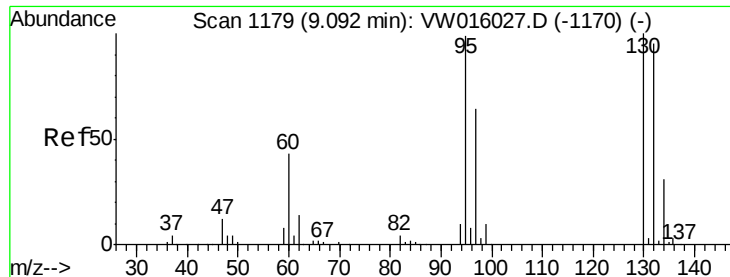
Acq: 05 Aug 2020 10:27

Tgt Ion: 78 Resp: 370415



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 26.360 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW016037.D

Acq: 05 Aug 2020 10:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

Tot Ion: 95 Resp: 98249

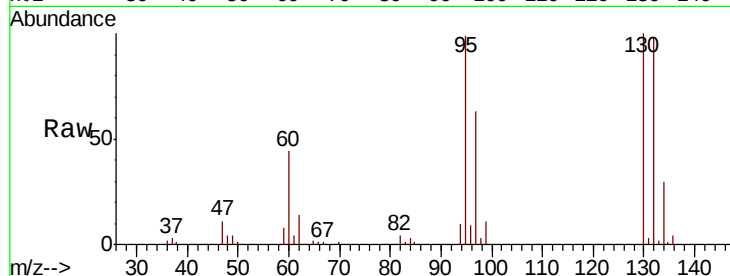
Ion Ratio Lower Upper

95 100

97 64.4 44.4 82.4

132 95.9 65.1 120.9

130 103.5 68.6 127.4

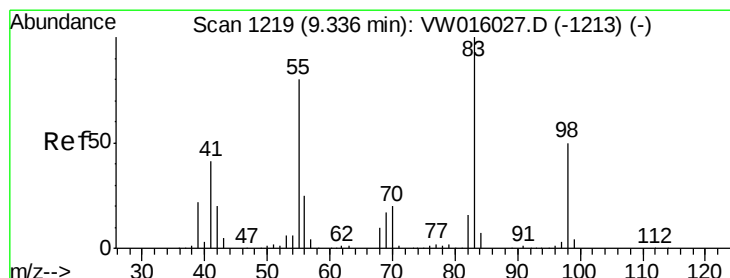
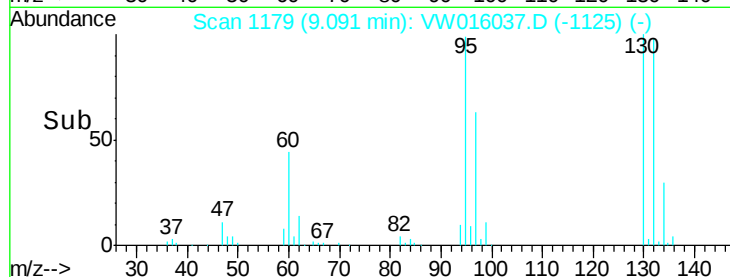
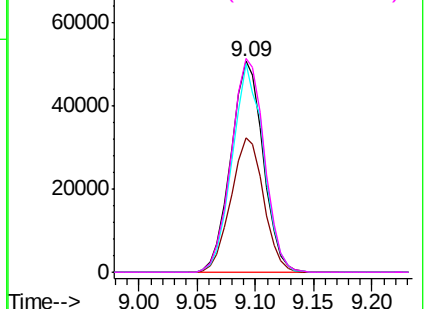


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 25.453 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW016037.D

Acq: 05 Aug 2020 10:27

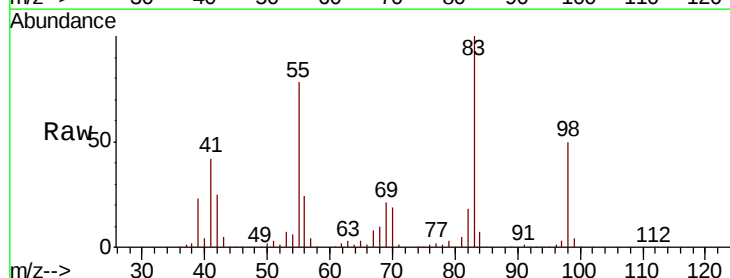
Tgt Ion: 83 Resp: 162785

Ion Ratio Lower Upper

83 100

55 77.8 63.5 95.3

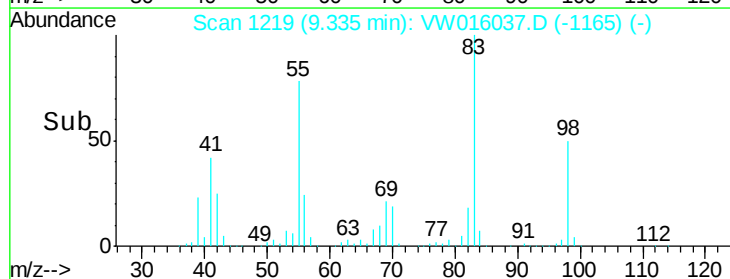
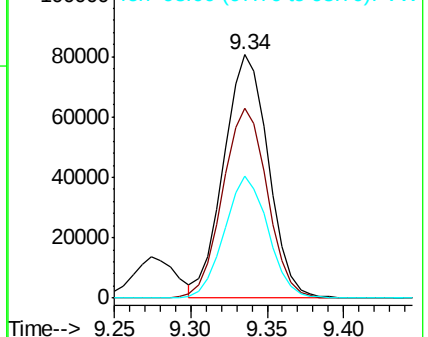
98 49.1 39.0 58.4

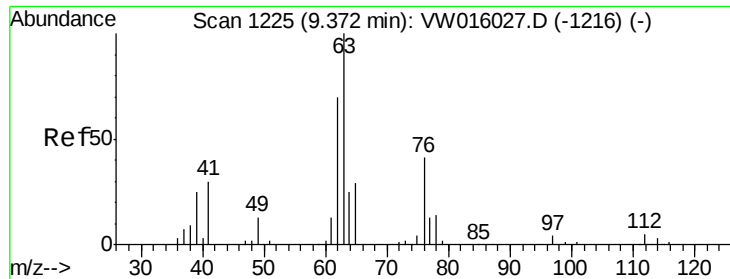


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

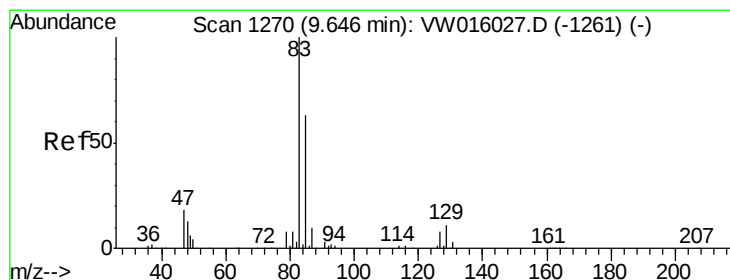
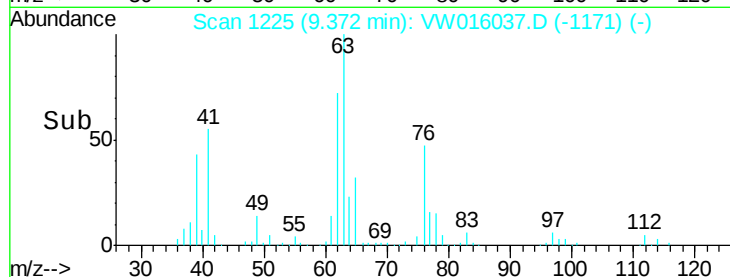
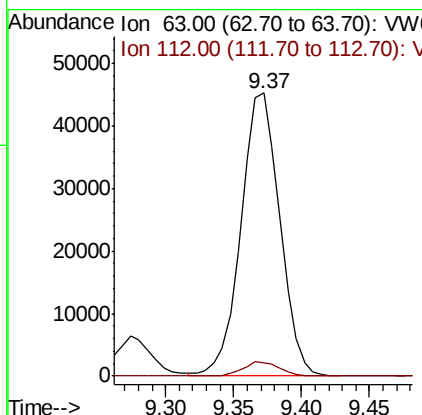
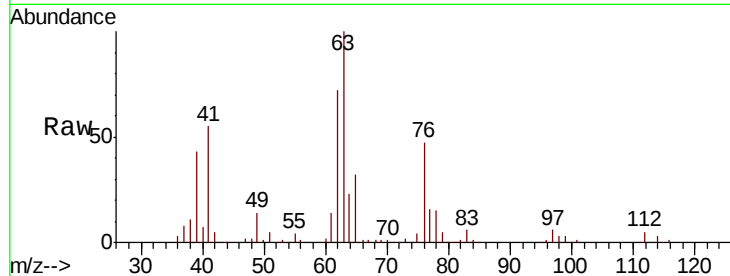




#40
 1,2-Dichloropropane
 Concen: 26.012 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW016037.D
 Acq: 05 Aug 2020 10:27

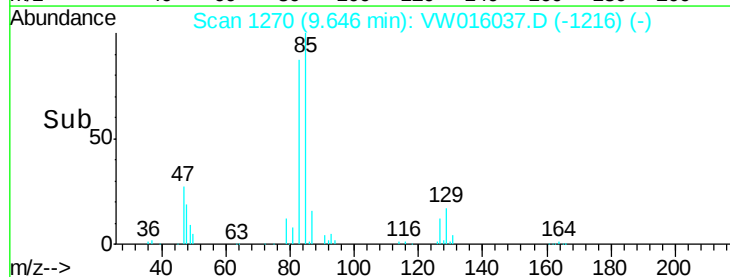
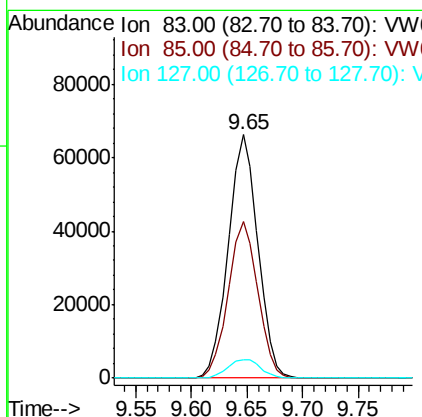
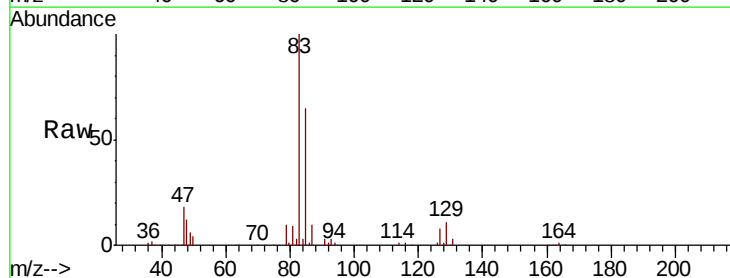
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

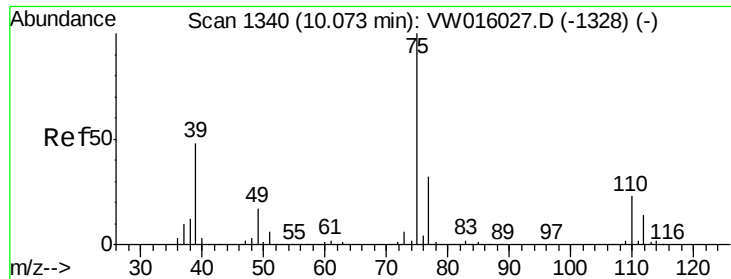
Tot Ion: 63 Resp: 90796
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.7 5.5



#41
 Bromodichloromethane
 Concen: 27.075 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW016037.D
 Acq: 05 Aug 2020 10:27

Tgt Ion: 83 Resp: 122047
 Ion Ratio Lower Upper
 83 100
 85 64.5 43.7 81.1
 127 7.8 6.5 9.7

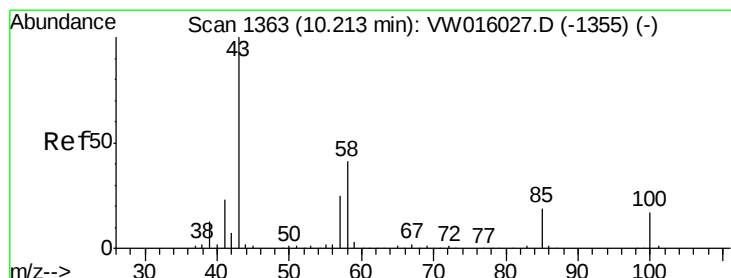
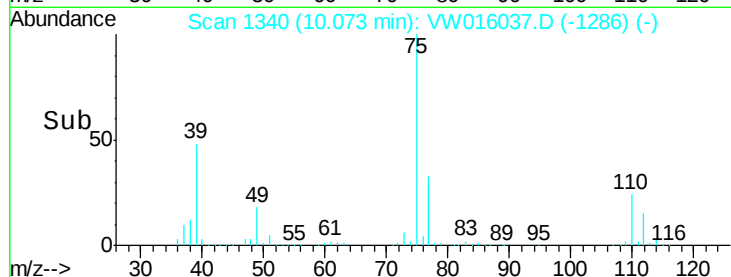
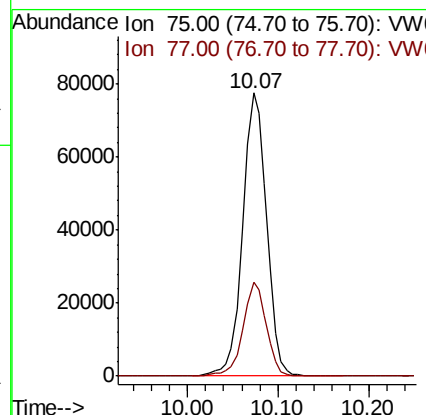
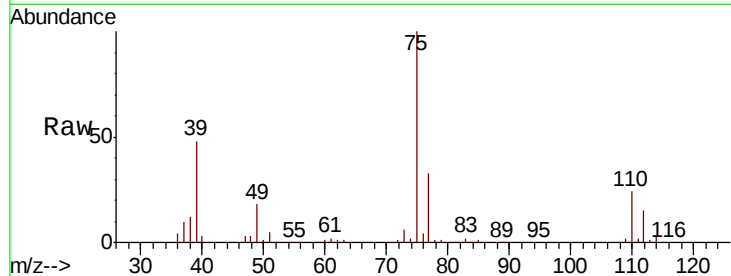




#42
 cis-1,3-Dichloropropene
 Concen: 26.760 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW016037.D
 Acq: 05 Aug 2020 10:27

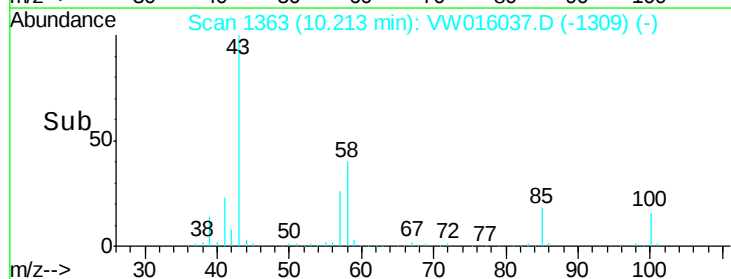
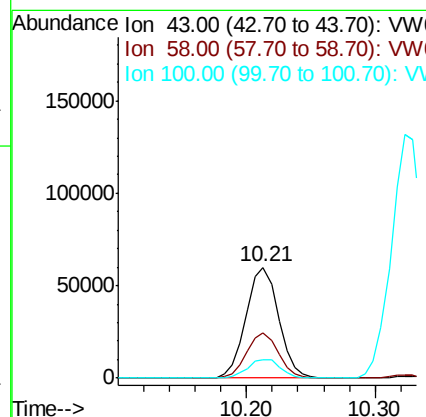
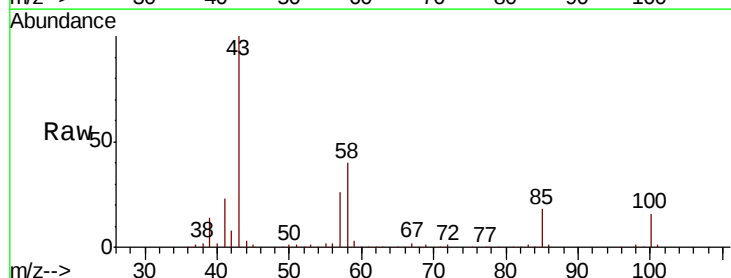
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

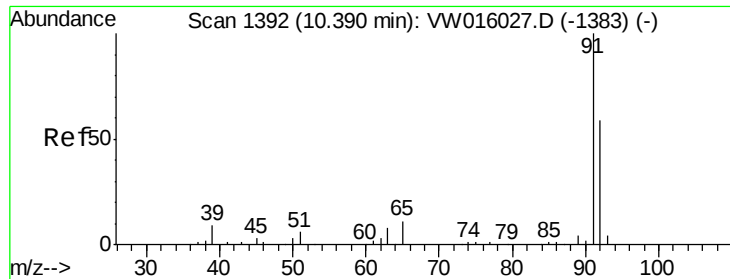
Tot Ion: 75 Resp: 142259
 Ion Ratio Lower Upper
 75 100
 77 33.3 22.2 41.2



#43
 4-Methyl-2-pentanone
 Concen: 51.465 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW016037.D
 Acq: 05 Aug 2020 10:27

Tgt Ion: 43 Resp: 104852
 Ion Ratio Lower Upper
 43 100
 58 40.2 31.0 46.4
 100 17.1 12.6 19.0





#44

Toluene

Concen: 27.200 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016037.D

Acq: 05 Aug 2020 10:27

Instrument :

MSVOA_W

ClientSampleId :

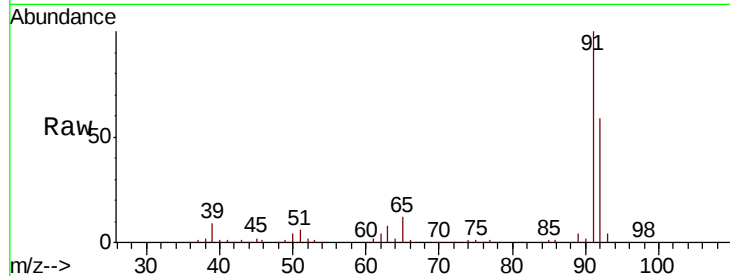
VSTD02525

Tot Ion: 91 Resp: 401948

Ion Ratio Lower Upper

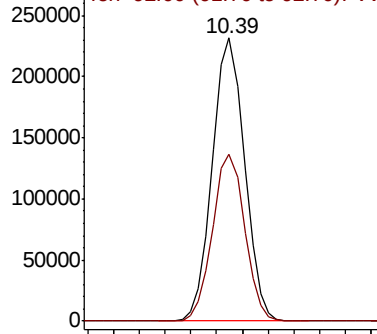
91 100

92 59.0 41.2 76.4

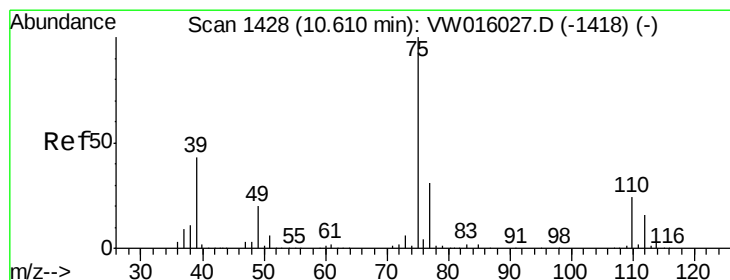
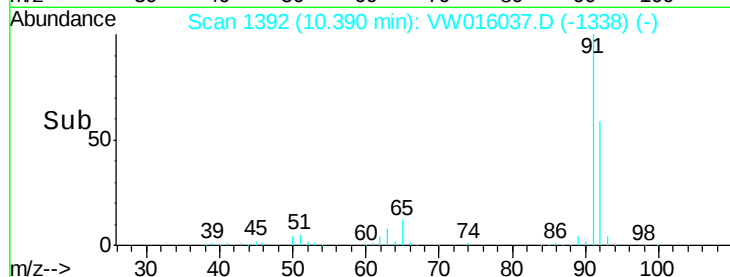


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



Time-->



#45

trans-1,3-Dichloropropene

Concen: 27.034 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016037.D

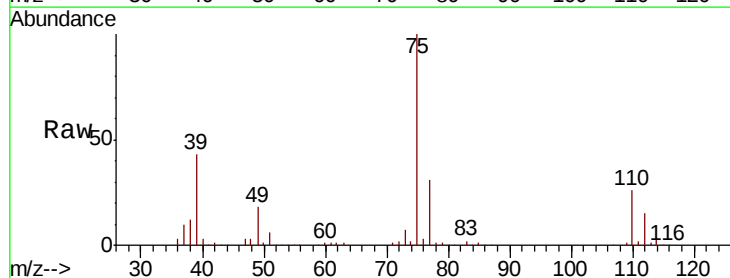
Acq: 05 Aug 2020 10:27

Tgt Ion: 75 Resp: 124567

Ion Ratio Lower Upper

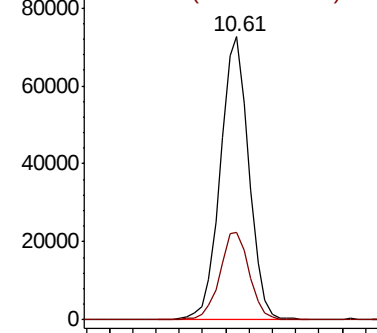
75 100

77 30.9 22.5 41.9

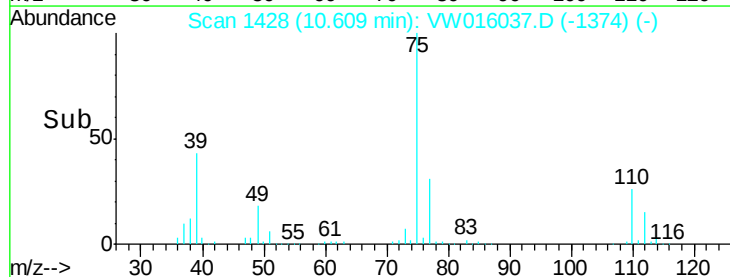


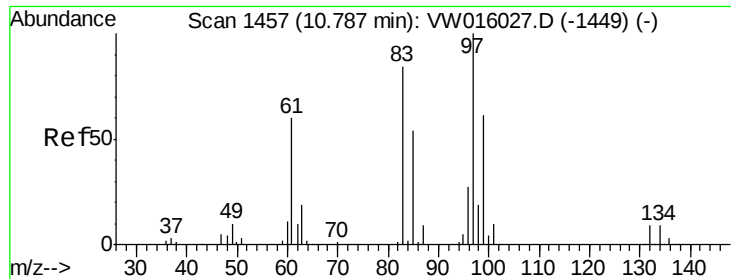
Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



Time-->

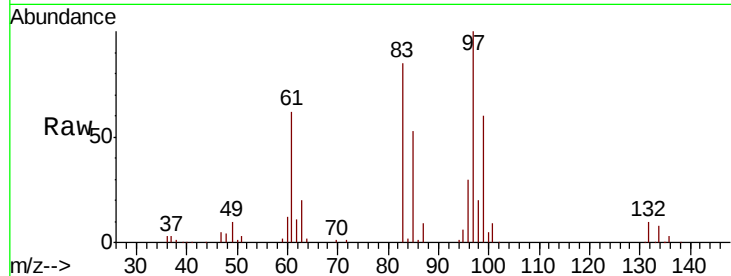




#46
 1,1,2-Trichloroethane
 Concen: 26.831 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW016037.D
 Acq: 05 Aug 2020 10:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

Tot Ion:	97	Resp:	67345
Ion	Ratio	Lower	Upper
97	100		
83	85.3	60.6	112.6
85	52.6	38.9	72.2
99	59.8	43.1	80.1



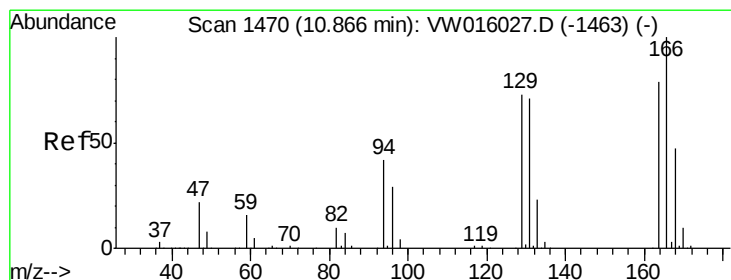
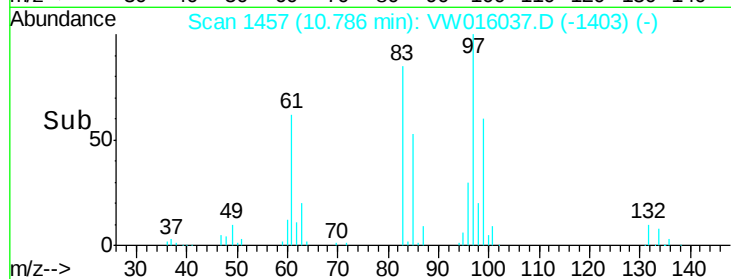
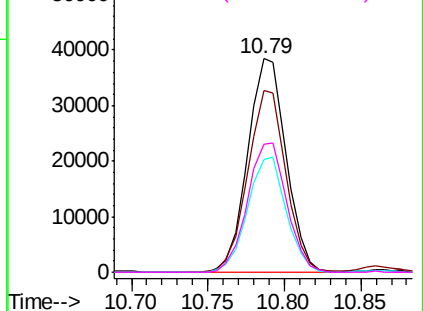
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

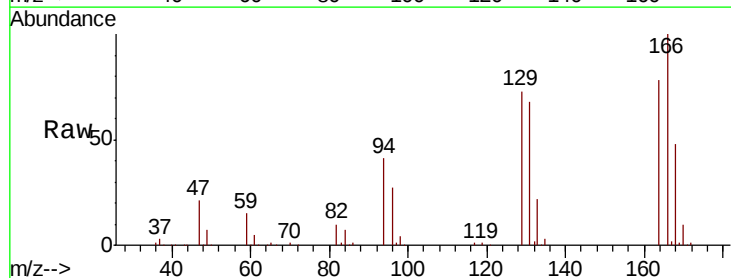
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
 Tetrachloroethene
 Concen: 27.608 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW016037.D
 Acq: 05 Aug 2020 10:27

Tgt Ion:	164	Resp:	79872
Ion	Ratio	Lower	Upper
164	100		
129	93.6	70.0	130.0
131	88.3	67.3	124.9
166	129.0	88.5	164.3



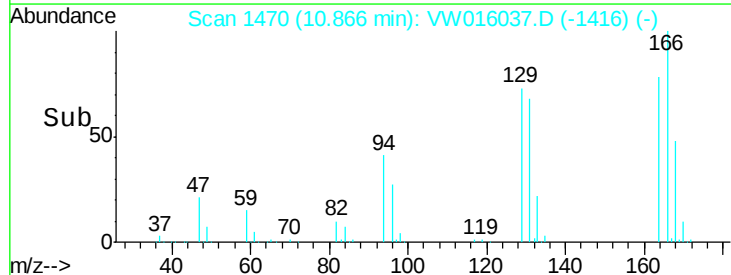
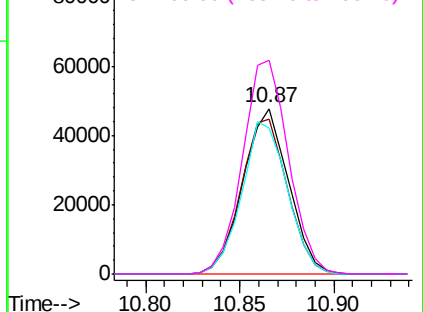
Abundance

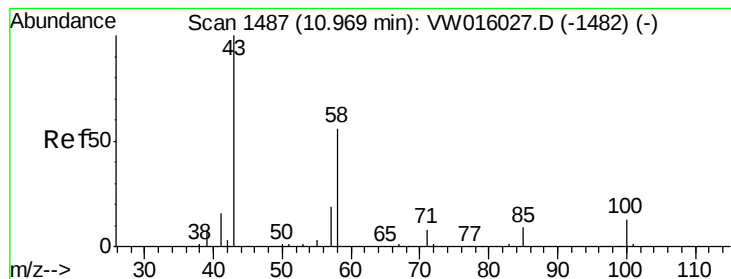
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 51.526 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW016037.D

Acq: 05 Aug 2020 10:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

Tot Ion: 43 Resp: 74496

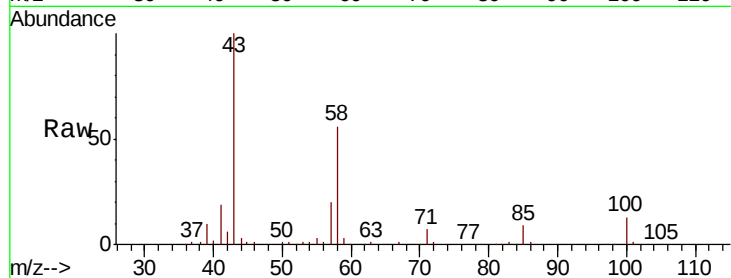
Ion Ratio Lower Upper

43 100

58 55.7 42.4 63.6

57 20.6 15.6 23.4

100 13.6 9.8 14.6

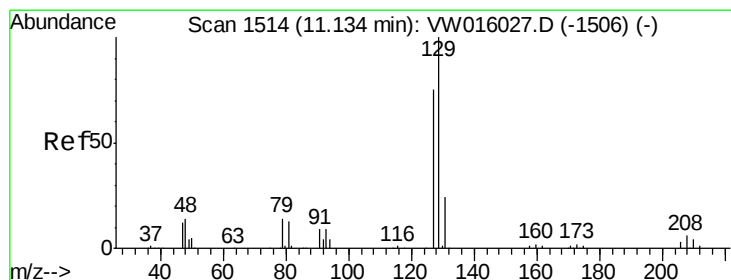
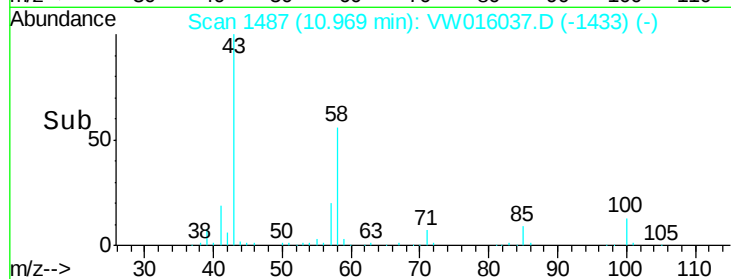
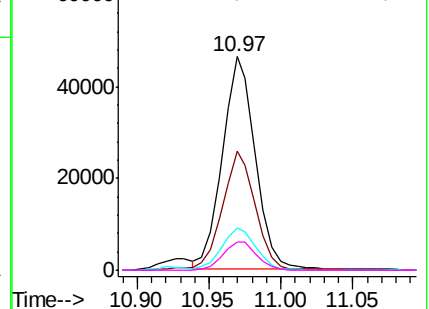


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 28.987 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VW016037.D

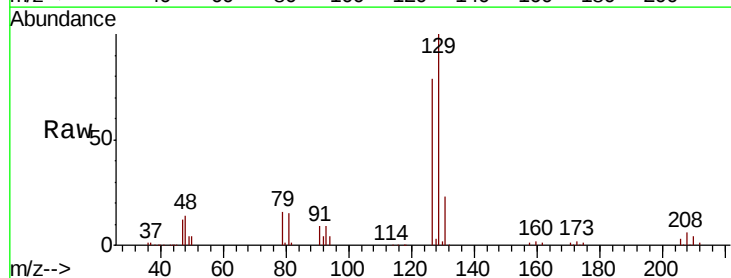
Acq: 05 Aug 2020 10:27

Tgt Ion: 129 Resp: 84236

Ion Ratio Lower Upper

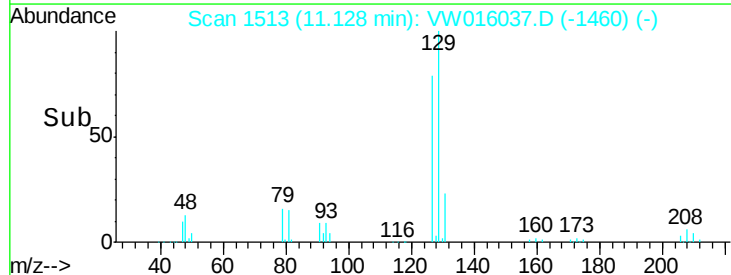
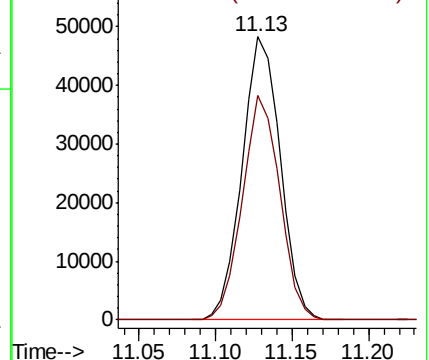
129 100

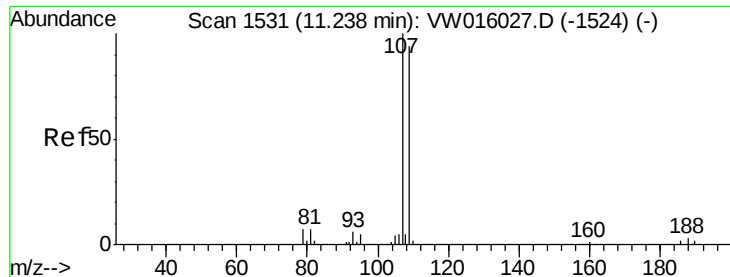
127 79.2 53.8 100.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

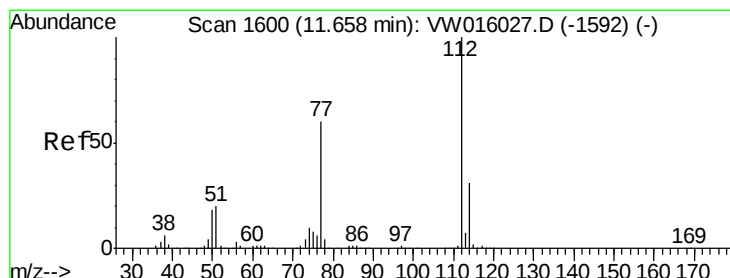
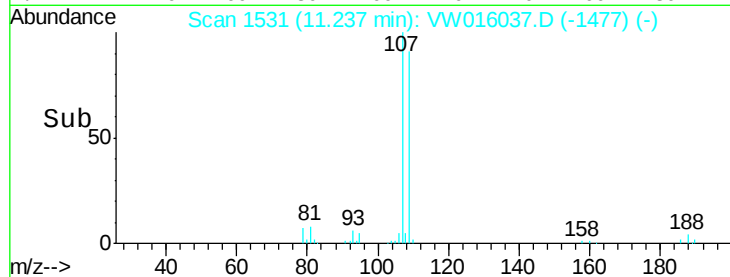
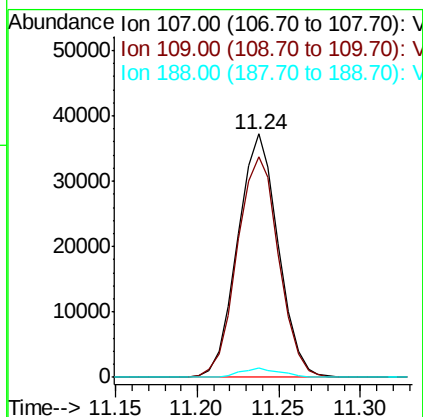
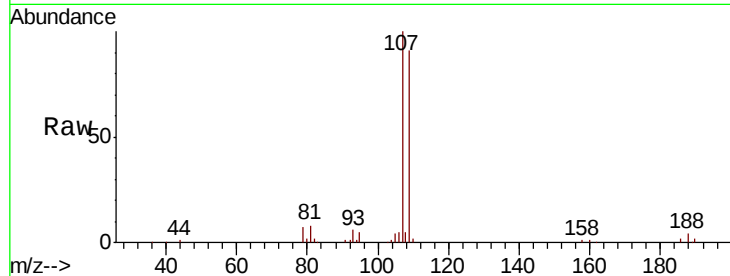




#51
1,2-Dibromoethane
Concen: 26.862 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW016037.D
Acq: 05 Aug 2020 10:27

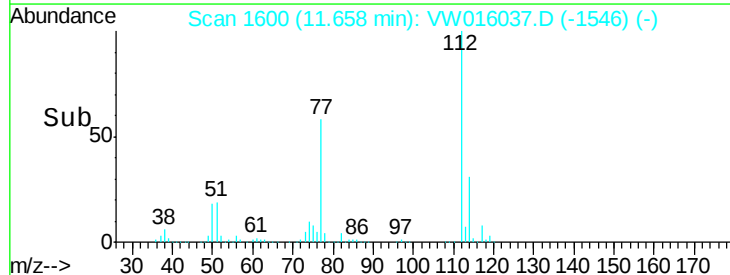
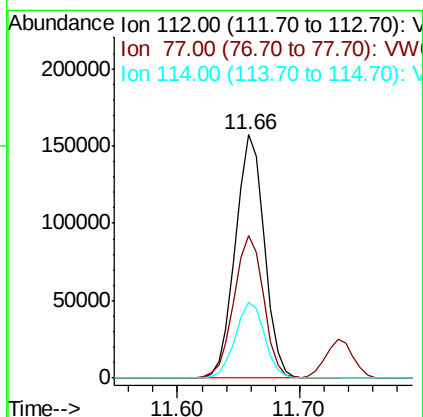
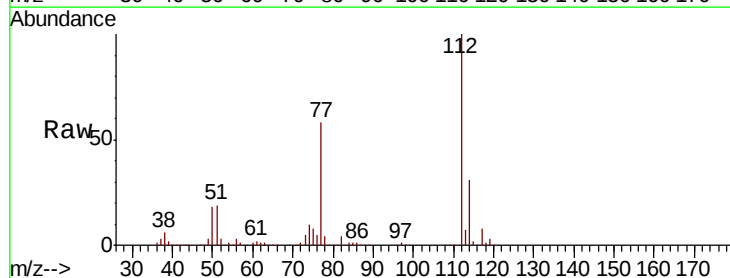
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

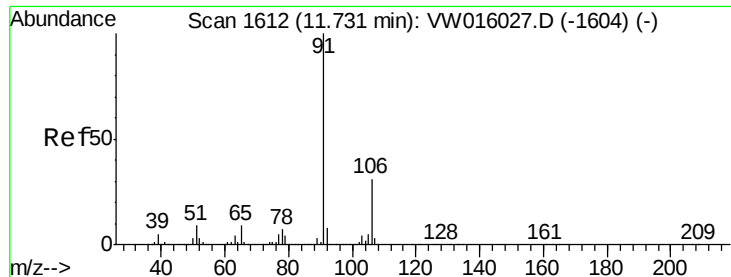
Tot Ion:107 Resp: 64500
Ion Ratio Lower Upper
107 100
109 90.8 66.9 124.3
188 3.6 3.2 4.8



#52
Chlorobenzene
Concen: 27.183 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW016037.D
Acq: 05 Aug 2020 10:27

Tgt Ion:112 Resp: 257406
Ion Ratio Lower Upper
112 100
77 58.4 47.8 71.6
114 31.2 22.1 41.1

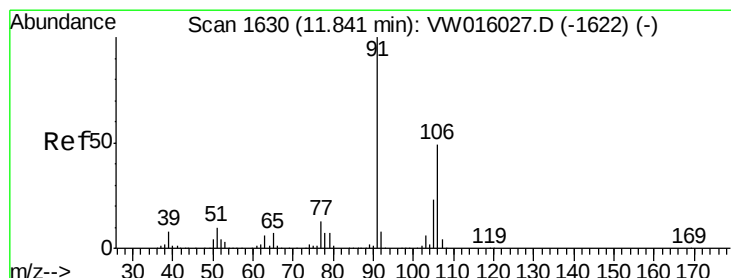
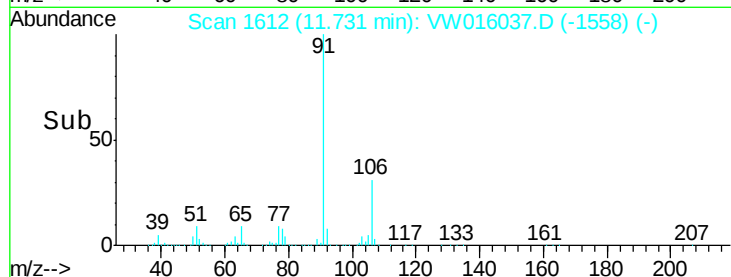
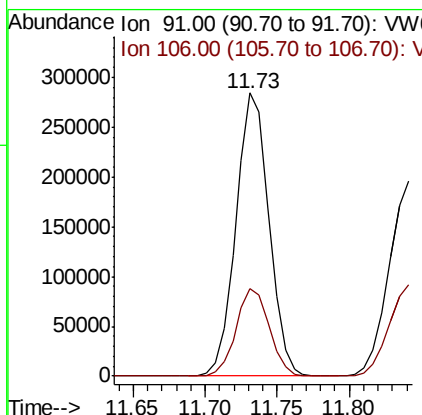
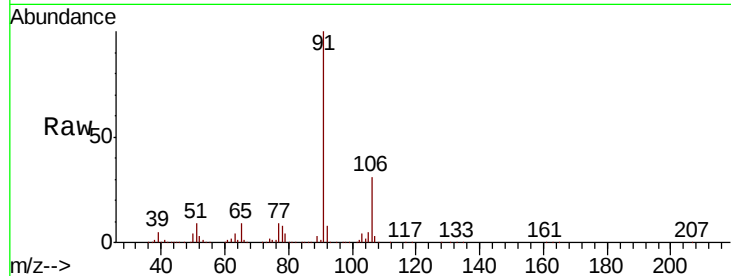




#53
Ethylbenzene
Concen: 27.218 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016037.D
Acq: 05 Aug 2020 10:27

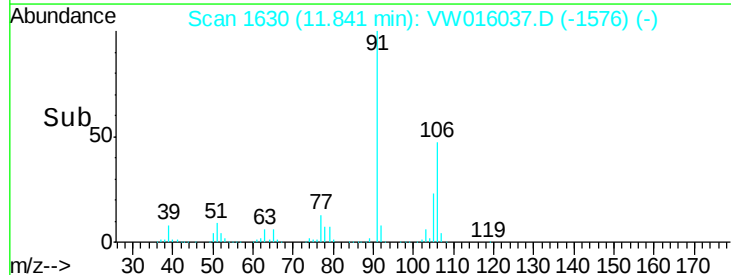
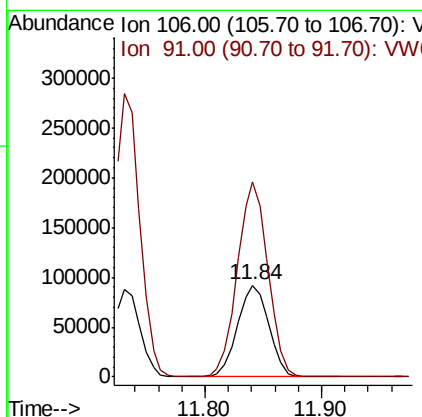
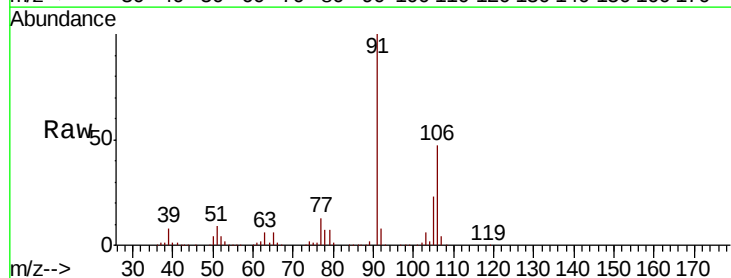
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

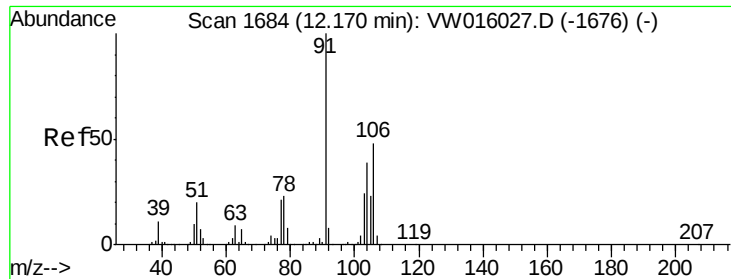
Tot Ion: 91 Resp: 452288
Ion Ratio Lower Upper
91 100
106 31.1 22.4 41.6



#54
m,p-Xylene
Concen: 27.778 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW016037.D
Acq: 05 Aug 2020 10:27

Tgt Ion: 106 Resp: 172694
Ion Ratio Lower Upper
106 100
91 213.2 144.1 267.5





#55

o-xylene

Concen: 27.903 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW016037.D

Acq: 05 Aug 2020 10:27

Instrument :

MSVOA_W

ClientSampleId :

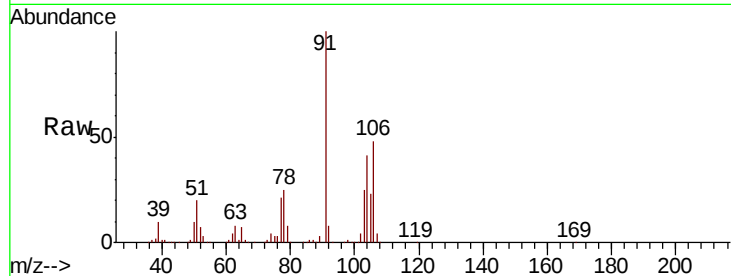
VSTD02525

Tot Ion:106 Resp: 163345

Ion Ratio Lower Upper

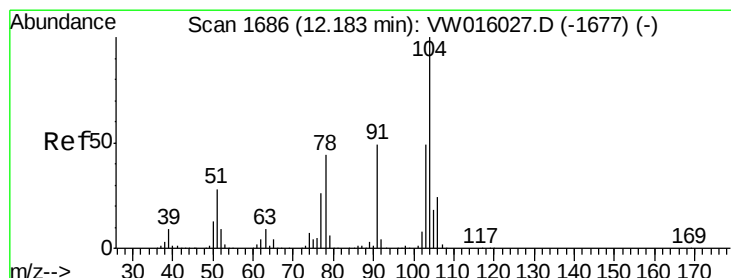
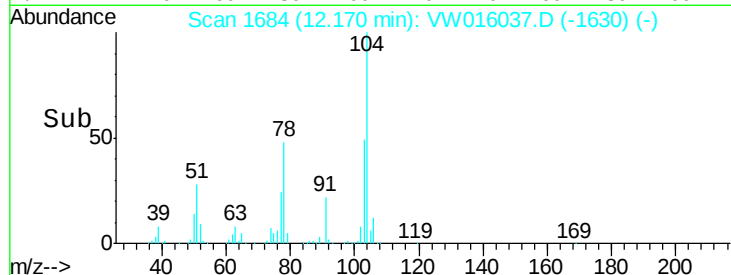
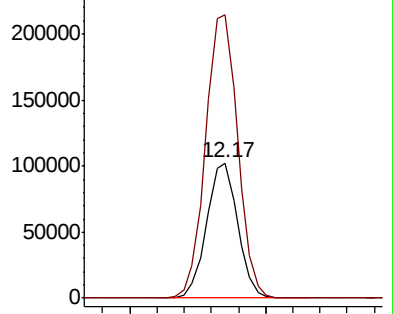
106 100

91 209.1 146.8 272.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 28.426 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW016037.D

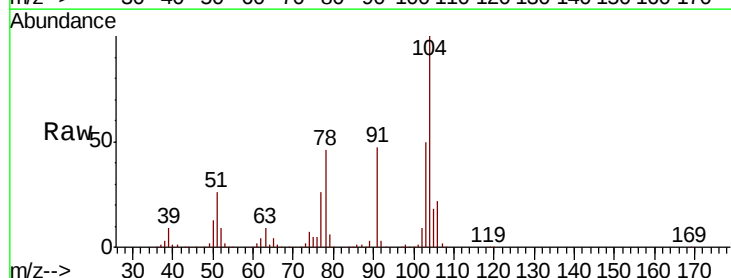
Acq: 05 Aug 2020 10:27

Tgt Ion:104 Resp: 282993

Ion Ratio Lower Upper

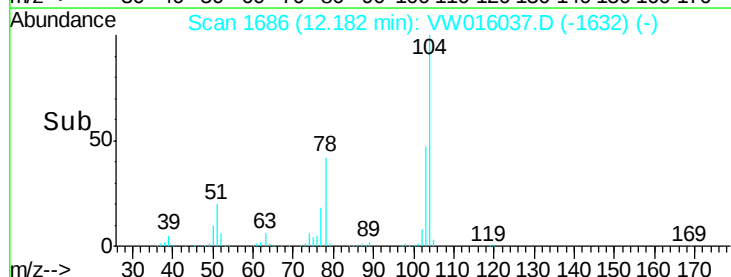
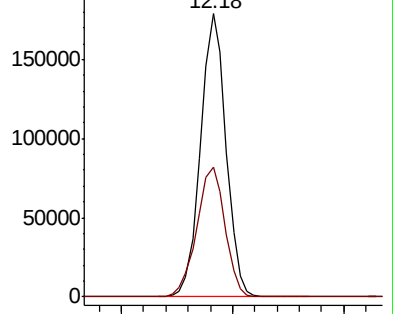
104 100

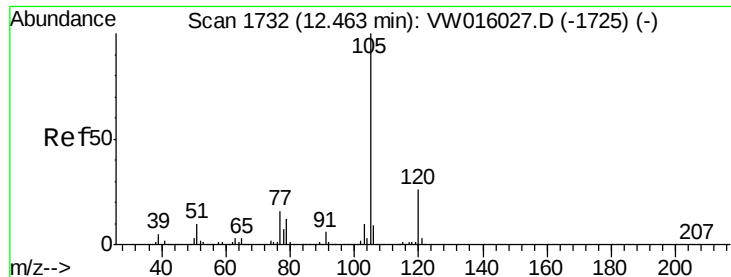
78 45.8 32.0 59.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 28.706 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016037.D

Acq: 05 Aug 2020 10:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

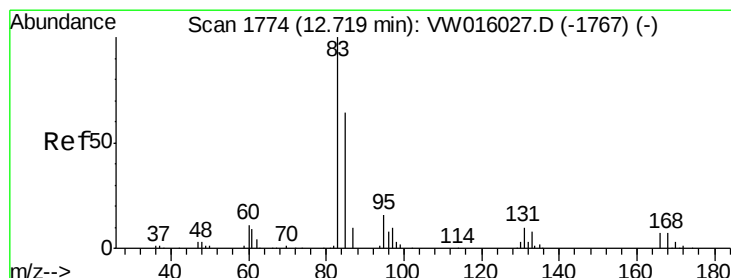
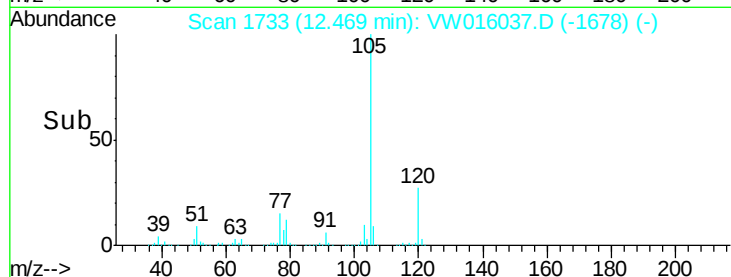
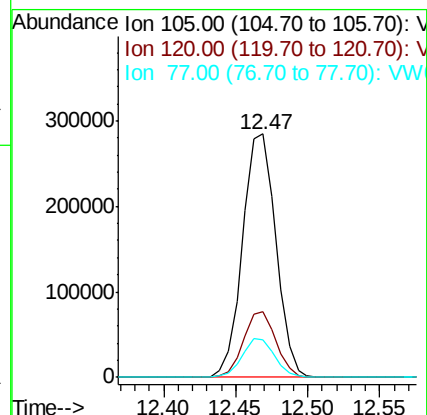
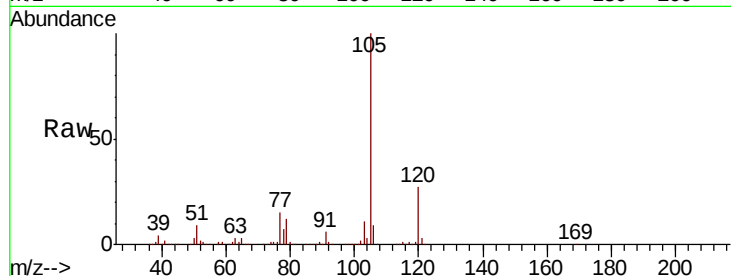
Tot Ion:105 Resp: 457458

Ion Ratio Lower Upper

105 100

120 26.2 20.4 30.6

77 15.4 12.9 19.3



#58

1,1,2,2-Tetrachloroethane

Concen: 26.889 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW016037.D

Acq: 05 Aug 2020 10:27

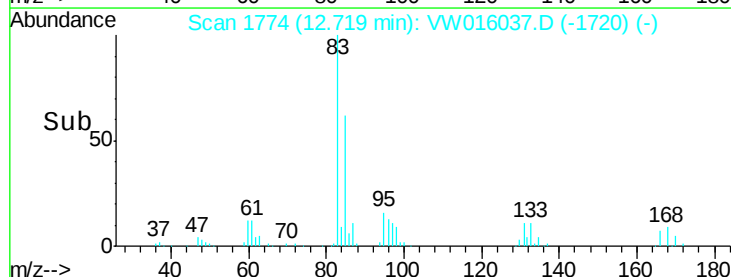
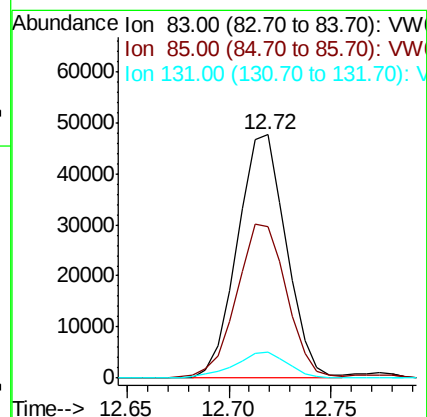
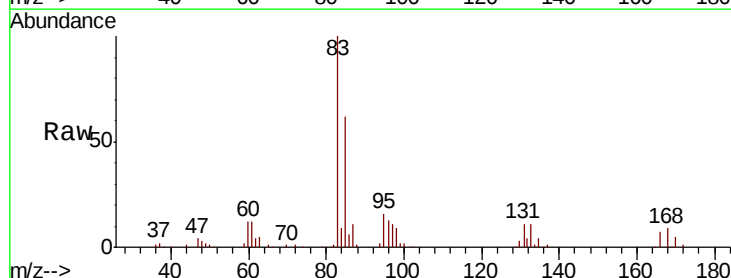
Tgt Ion: 83 Resp: 79253

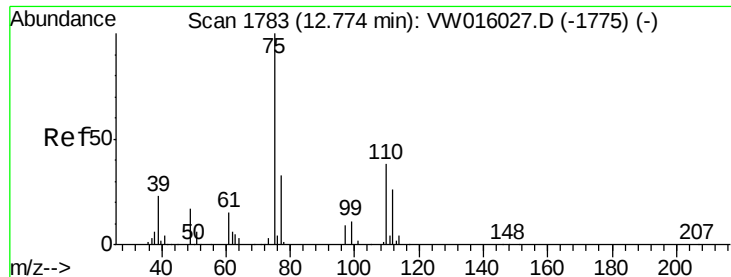
Ion Ratio Lower Upper

83 100

85 62.3 45.1 83.7

131 10.7 8.2 12.4





#59

1,2,3-Trichloropropane

Concen: 26.400 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW016037.D

Acq: 05 Aug 2020 10:27

Instrument :

MSVOA_W

ClientSampleId :

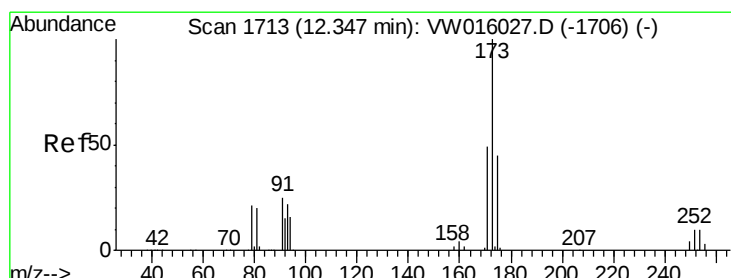
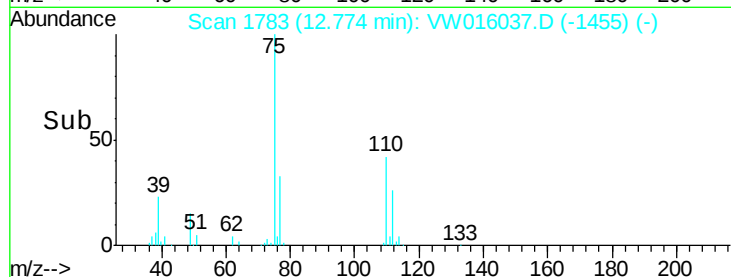
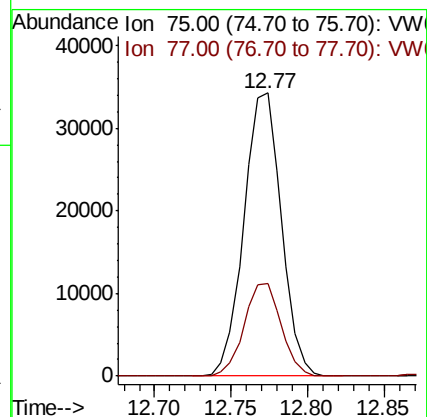
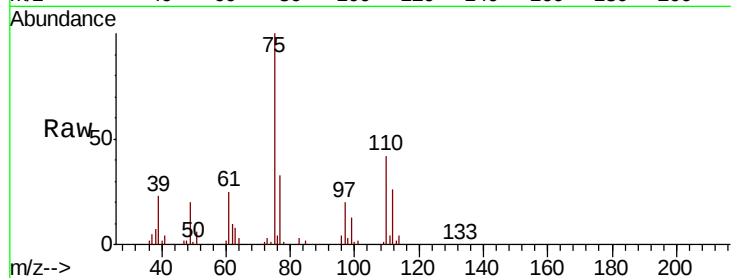
VSTD02525

Tot Ion: 75 Resp: 58300

Ion Ratio Lower Upper

75 100

77 32.4 26.0 39.0



#62

Bromoform

Concen: 28.218 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW016037.D

Acq: 05 Aug 2020 10:27

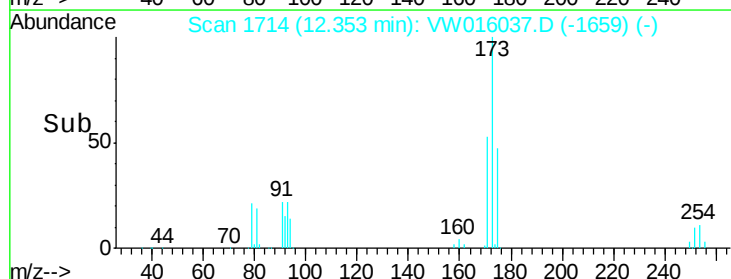
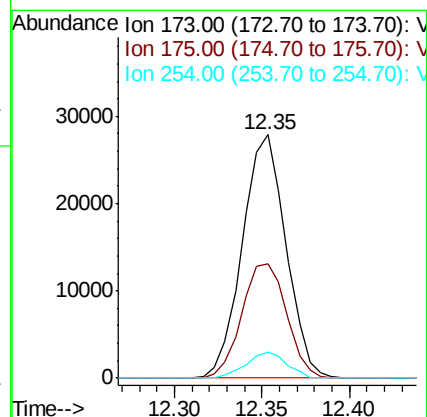
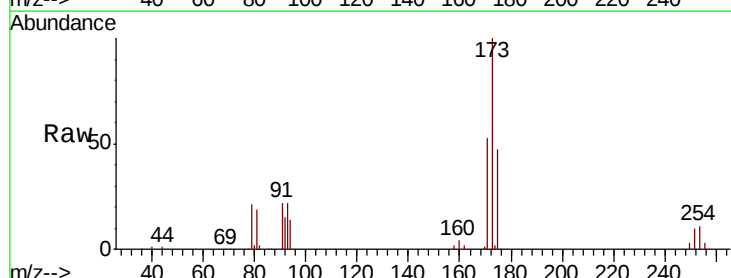
Tgt Ion:173 Resp: 48253

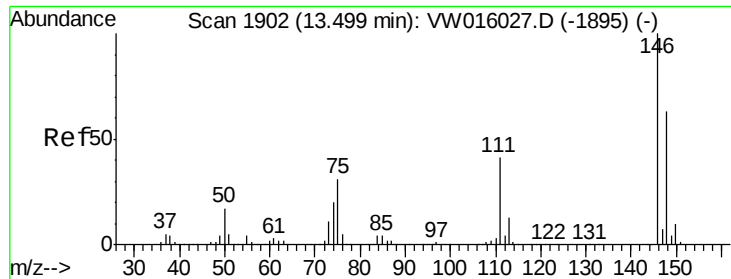
Ion Ratio Lower Upper

173 100

175 48.5 38.7 58.1

254 9.9 7.9 11.9

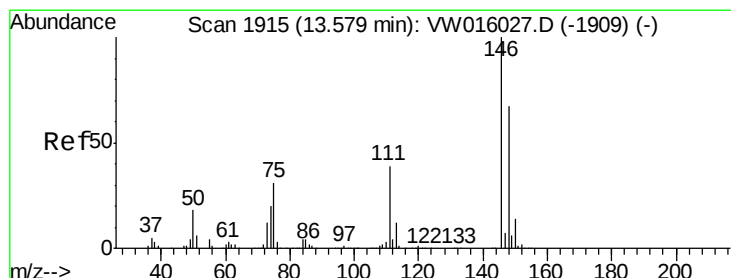
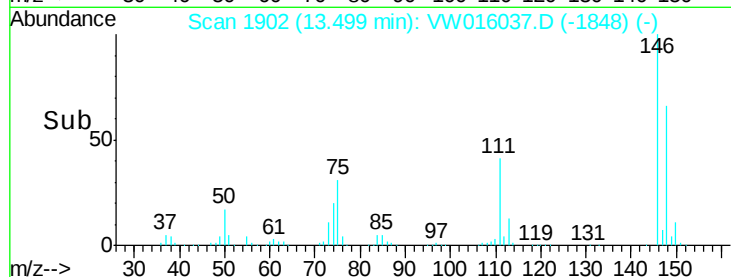
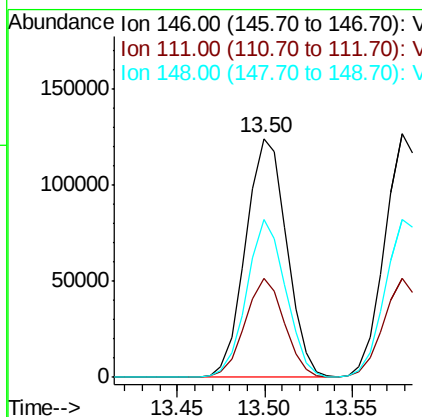
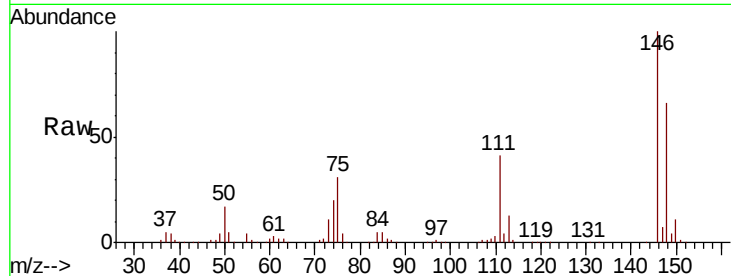




#63
 1,3-Dichlorobenzene
 Concen: 27.345 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016037.D
 Acq: 05 Aug 2020 10:27

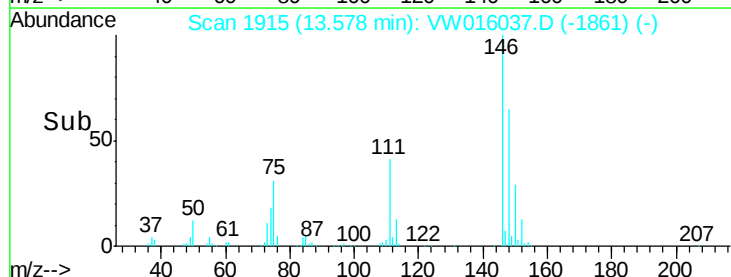
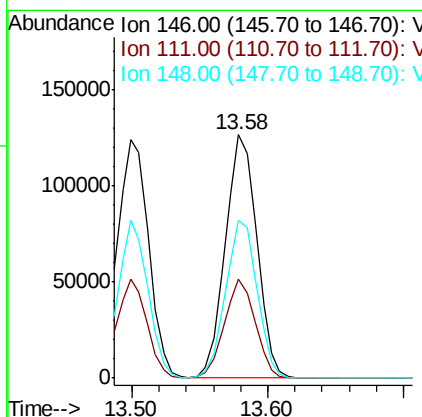
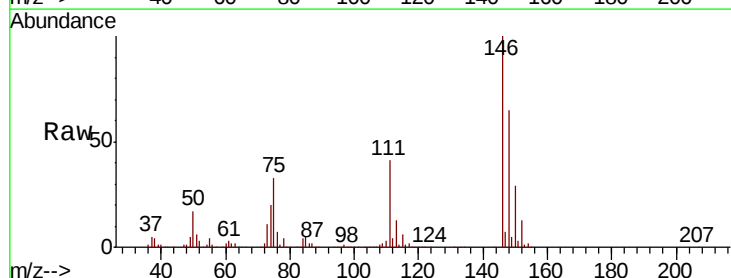
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

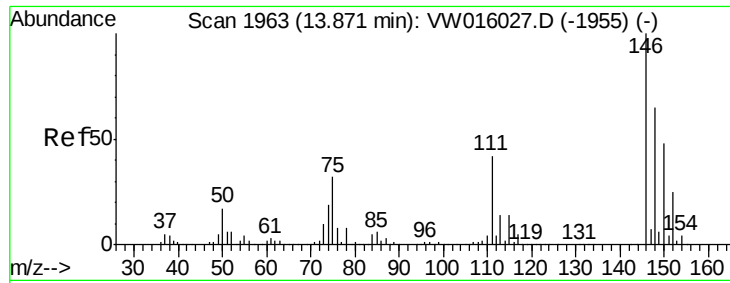
Tot Ion:146 Resp: 203443
 Ion Ratio Lower Upper
 146 100
 111 41.3 27.9 51.7
 148 66.2 43.2 80.2



#64
 1,4-Dichlorobenzene
 Concen: 27.088 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016037.D
 Acq: 05 Aug 2020 10:27

Tgt Ion:146 Resp: 204533
 Ion Ratio Lower Upper
 146 100
 111 40.6 29.3 54.3
 148 65.0 44.5 82.7





#65

1,2-Dichlorobenzene

Concen: 26.746 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW016037.D

Acq: 05 Aug 2020 10:27

Instrument :

MSVOA_W

ClientSampled :

VSTD02525

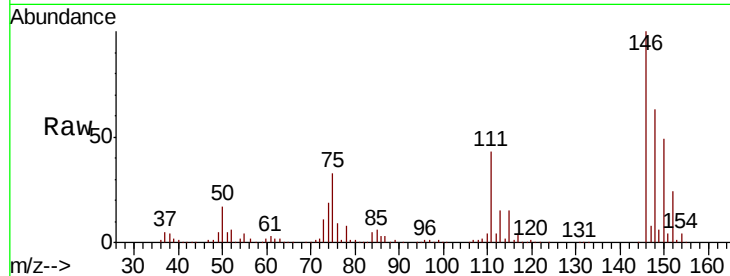
Tot Ion:146 Resp: 180742

Ion Ratio Lower Upper

146 100

111 42.6 32.9 49.3

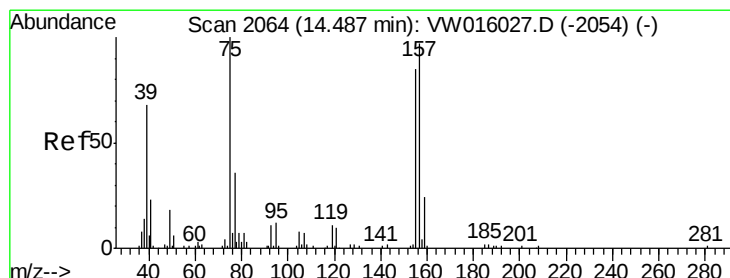
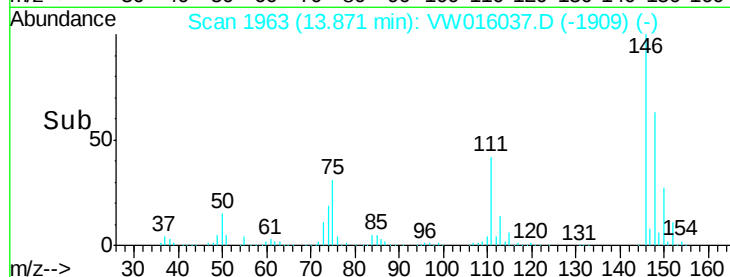
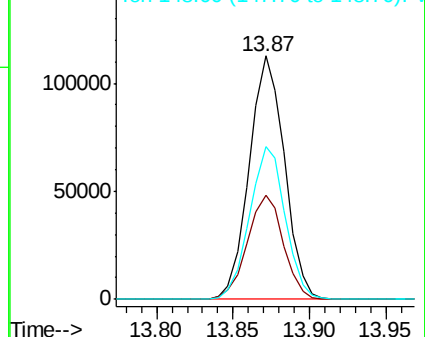
148 62.6 48.8 73.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 26.461 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW016037.D

Acq: 05 Aug 2020 10:27

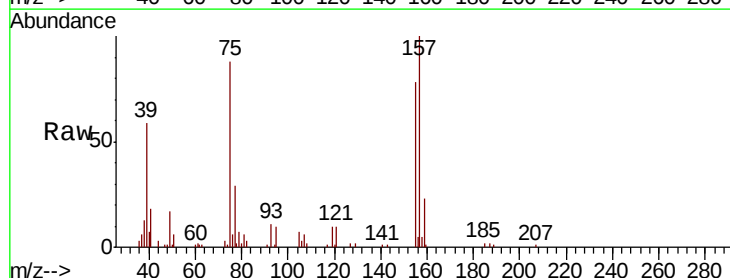
Tgt Ion: 75 Resp: 13459

Ion Ratio Lower Upper

75 100

157 113.3 83.0 124.4

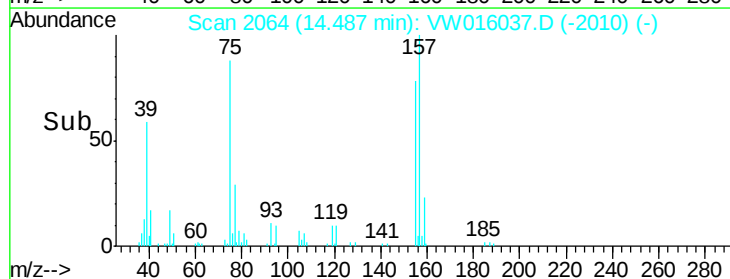
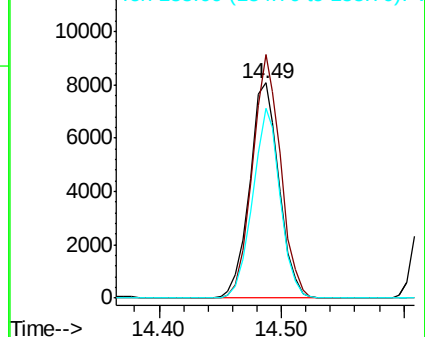
155 88.1 66.9 100.3

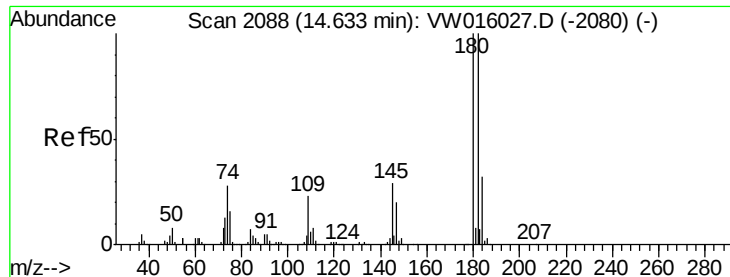


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

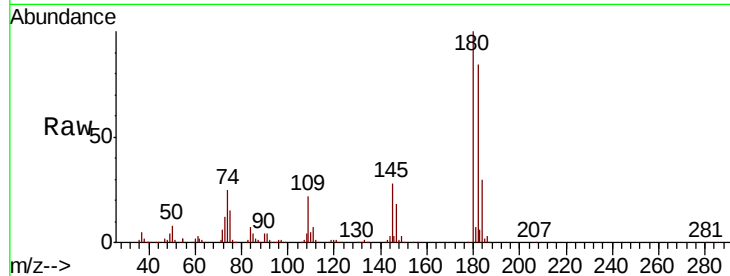




#67
 1,3,5-Trichlorobenzene
 Concen: 29.185 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW016037.D
 Acq: 05 Aug 2020 10:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

Tot Ion	180	Resp	152672
Ion Ratio	Lower	Upper	
180	100		
182	90.2	75.4	113.0
184	31.1	24.6	37.0
145	29.3	24.1	36.1

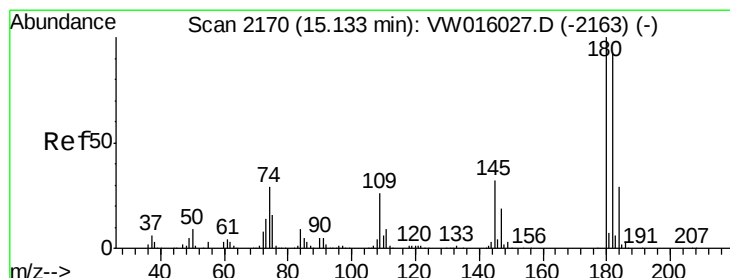
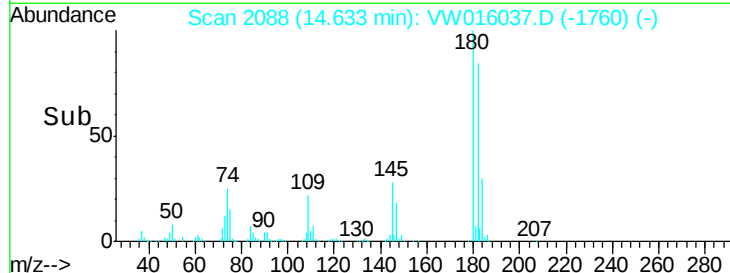
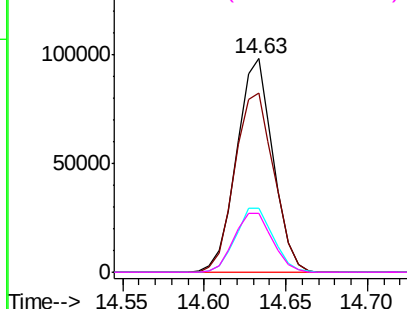


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

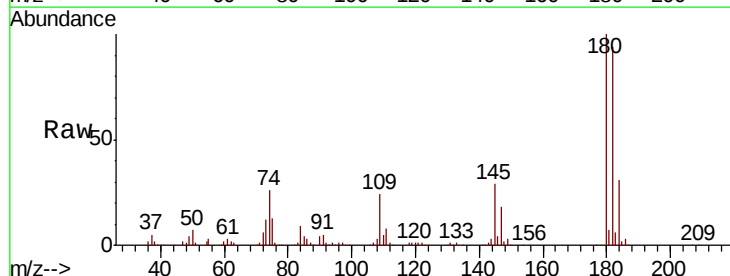
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 28.441 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW016037.D
 Acq: 05 Aug 2020 10:27

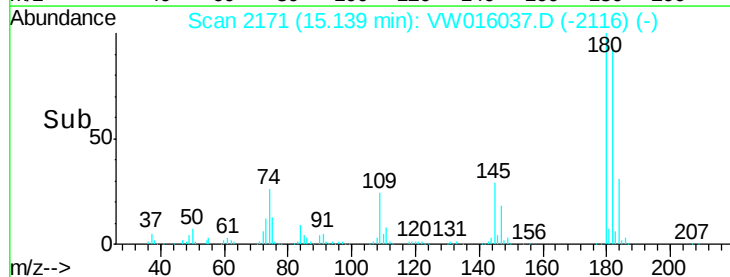
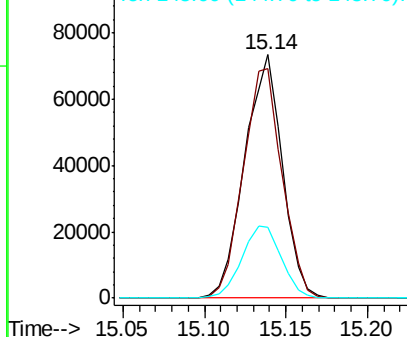
Tgt Ion	180	Resp	118177
Ion Ratio	Lower	Upper	
180	100		
182	97.8	76.0	114.0
145	31.1	24.3	36.5

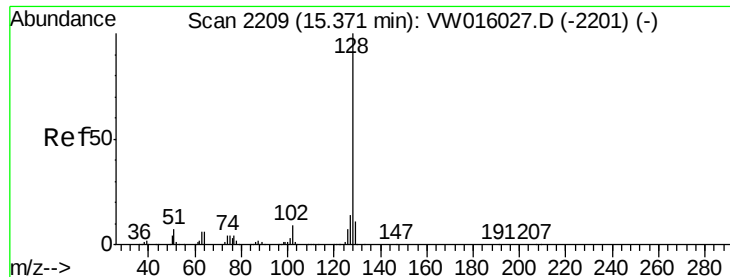


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 26.566 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW016037.D

Acq: 05 Aug 2020 10:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

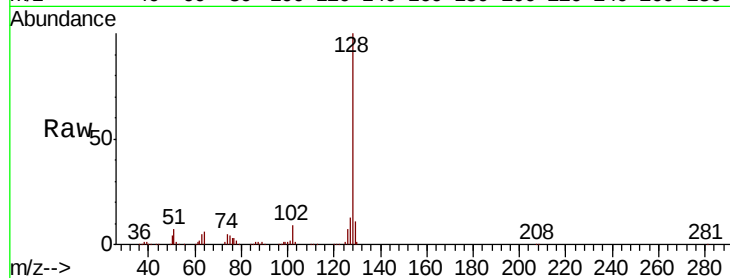
Tot Ion:128 Resp: 207956

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

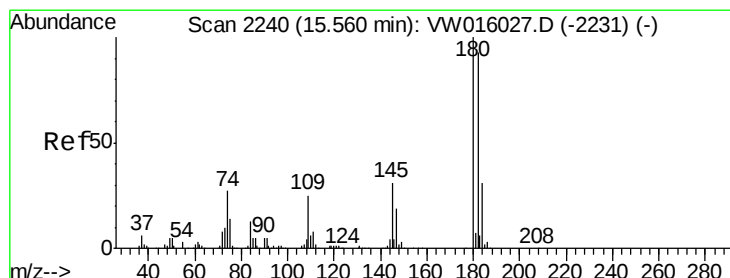
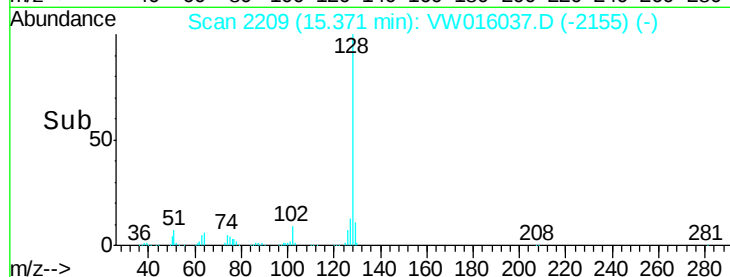
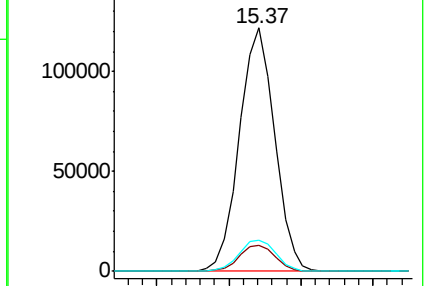
127 13.4 10.5 15.7



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: 28.632 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW016037.D

Acq: 05 Aug 2020 10:27

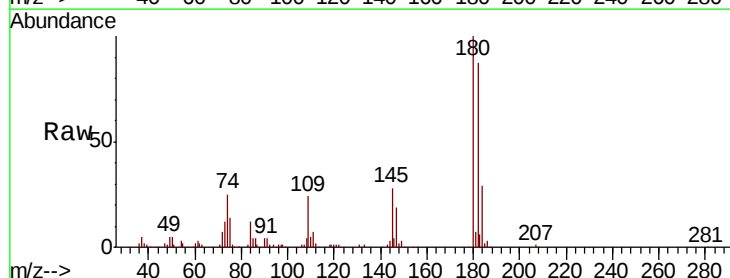
Tgt Ion:180 Resp: 106002

Ion Ratio Lower Upper

180 100

182 94.9 74.0 111.0

145 32.3 25.9 38.9



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

