

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082420\
 Data File : VW016327.D
 Acq On : 24 Aug 2020 13:21
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

Quant Time: Aug 25 15:00:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 25 05:29:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	301779	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	277563	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	133713	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	67541	20.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.84%
7) Chloroethane-d5	2.89	69	55709	22.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.12%
10) 1,1-Dichloroethene-d2	4.03	63	173678	22.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.76%
20) 2-Butanone-d5	7.07	46	43746	47.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.48%
24) Chloroform-d	7.65	84	191785	24.38	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.52%
26) 1,2-Dichloroethane-d4	8.31	65	98814	24.37	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.48%
29) Benzene-d6	8.27	84	376029	24.26	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.04%
33) 1,2-Dichloropropane-d6	9.27	67	106801	24.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.64%
37) Toluene-d8	10.33	98	359489	24.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.36%
38) trans-1,3-Dichloropropene-	10.58	79	51472	24.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.48%
39) 2-Hexanone-d5	10.93	63	32506	47.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.64%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	90260	25.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.16%
61) 1,2-Dichlorobenzene-d4	13.85	152	126489	24.67	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.68%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	75376	22.732	ug/L 99
3) Chloromethane	2.21	50	59508	22.985	ug/L 99
5) Vinyl chloride	2.37	62	81227	23.036	ug/L 98
6) Bromomethane	2.78	94	55166	23.931	ug/L 98
8) Chloroethane	2.93	64	49181	25.014	ug/L 97
9) Trichlorofluoromethane	3.26	101	85103	22.302	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	100487	24.125	ug/L 98
12) 1,1-Dichloroethene	4.04	96	95313	23.791	ug/L 96
13) Acetone	4.12	43	34161	44.920	ug/L 99
14) Carbon disulfide	4.39	76	274721	23.128	ug/L 98
15) Methyl Acetate	4.67	43	36851	24.084	ug/L 95
16) Methylene chloride	4.92	84	111246	19.941	ug/L 97
17) Methyl tert-butyl Ether	5.43	73	147233	25.134	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	101146	24.034	ug/L 98
19) 1,1-Dichloroethane	6.22	63	171318	24.707	ug/L 100
21) 2-Butanone	7.17	43	49174	45.385	ug/L 100
22) cis-1,2-Dichloroethene	7.18	96	109479	24.736	ug/L 93

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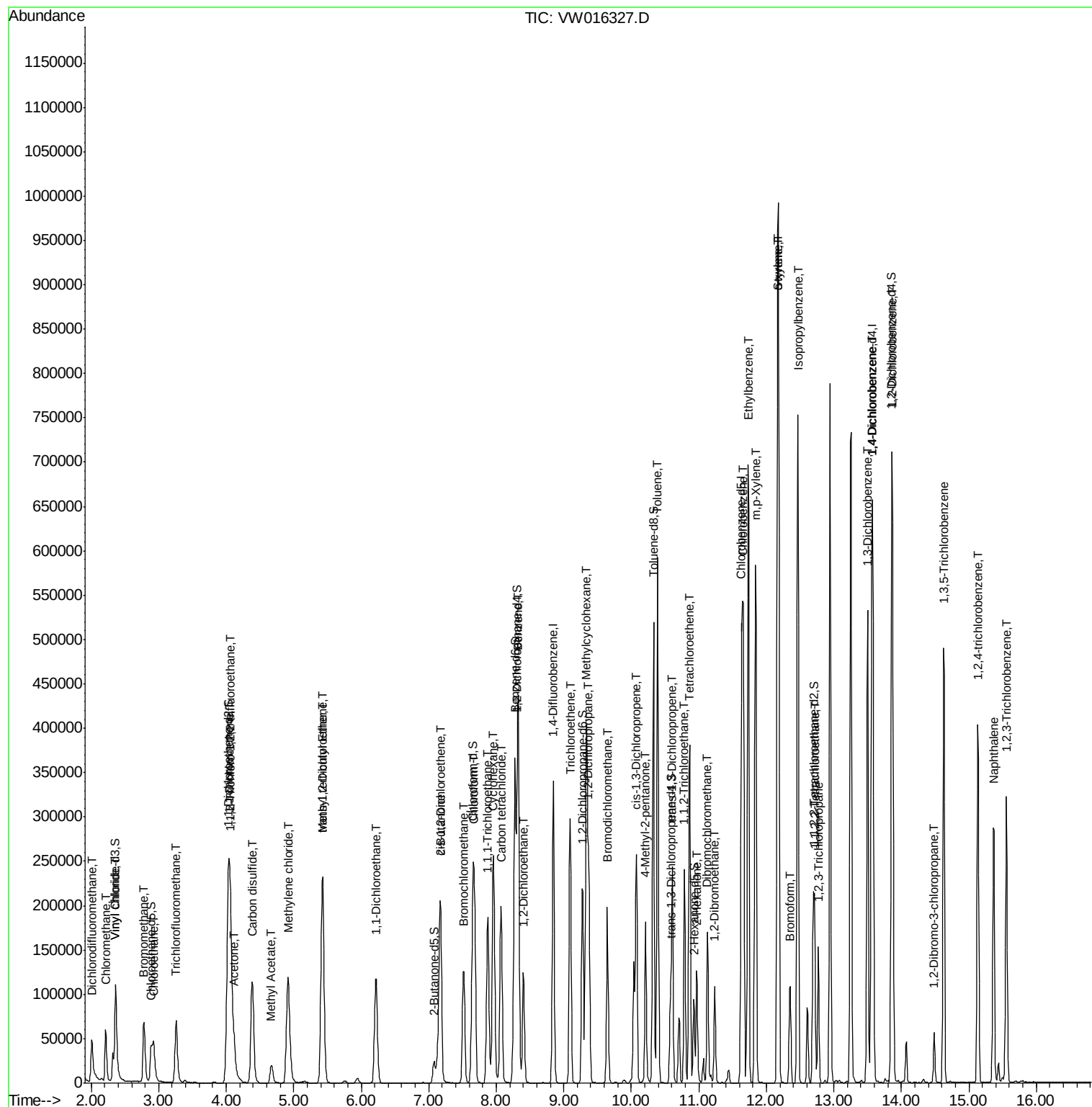
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	50944	25.094	ug/L	95
25) Chloroform	7.68	83	184375	24.690	ug/L	99
27) 1,2-Dichloroethane	8.40	62	115799	24.759	ug/L	96
30) Cyclohexane	7.96	56	145731	24.292	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	162364	24.321	ug/L	100
32) Carbon tetrachloride	8.07	117	153780	24.260	ug/L	100
34) Benzene	8.33	78	400054	25.128	ug/L	100
35) Trichloroethene	9.10	95	108817	24.140	ug/L	98
36) Methylcyclohexane	9.34	83	177551	24.128	ug/L	99
40) 1,2-Dichloropropane	9.37	63	93136	24.875	ug/L	99
41) Bromodichloromethane	9.65	83	135118	25.476	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	159368	25.996	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	108968	48.676	ug/L	99
44) Toluene	10.39	91	434942	25.086	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	139539	25.744	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	77997	25.239	ug/L	95
47) Tetrachloroethene	10.87	164	84909	23.886	ug/L	97
49) 2-Hexanone	10.97	43	74413	51.310	ug/L	98
50) Dibromochloromethane	11.13	129	94590	24.576	ug/L	99
51) 1,2-Dibromoethane	11.24	107	75848	25.075	ug/L	99
52) Chlorobenzene	11.66	112	290498	25.086	ug/L	97
53) Ethylbenzene	11.73	91	506477	25.410	ug/L	99
54) m,p-Xylene	11.84	106	190557	24.876	ug/L	96
55) o-xylene	12.17	106	185348	25.756	ug/L	96
56) Styrene	12.18	104	315597	26.062	ug/L	100
57) Isopropylbenzene	12.47	105	504679	25.192	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	87952	24.390	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	64803	24.264	ug/L	99
62) Bromoform	12.35	173	53845	24.777	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	225280	25.000	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	223949	24.532	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	201997	25.104	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	15243	24.098	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	154498	24.845	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	126622	25.653	ug/L	99
69) Naphthalene	15.37	128	260858	26.903	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	111969	25.792	ug/L	98

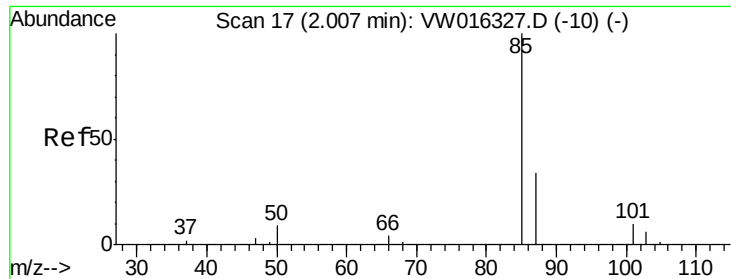
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.732 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW016327.D

Acq: 24 Aug 2020 13:21

Instrument :

MSVOA_W

ClientSampleId :

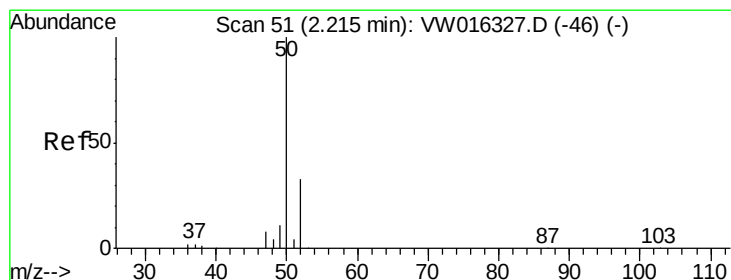
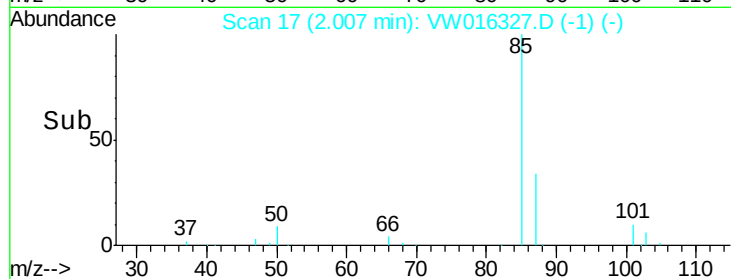
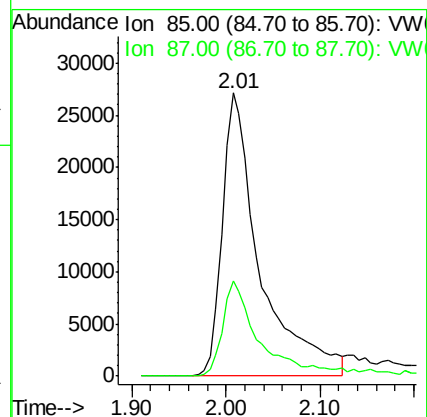
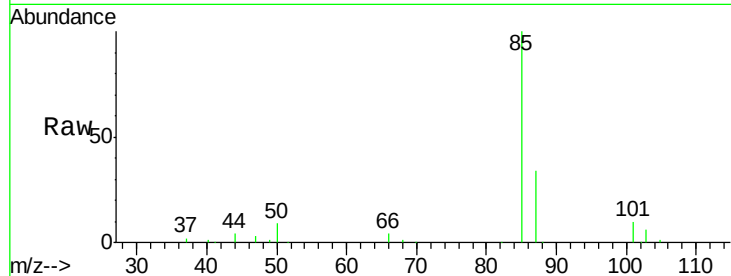
VSTD02523

Tgt Ion: 85 Resp: 75376

Ion Ratio Lower Upper

85 100

87 30.3 21.6 40.0



#3

Chloromethane

Concen: 22.985 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW016327.D

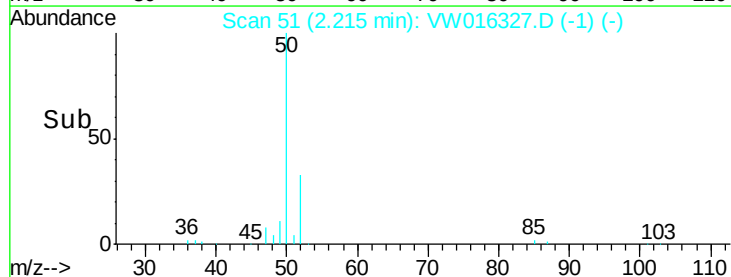
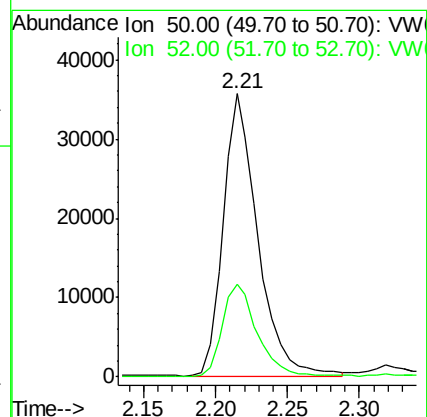
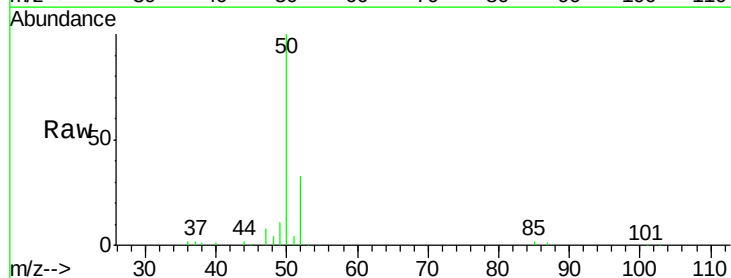
Acq: 24 Aug 2020 13:21

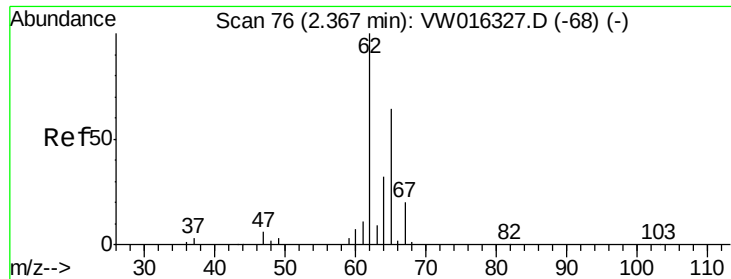
Tgt Ion: 50 Resp: 59508

Ion Ratio Lower Upper

50 100

52 32.9 23.3 43.3





#5

Vinyl chloride

Concen: 23.036 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016327.D

Acq: 24 Aug 2020 13:21

Instrument :

MSVOA_W

ClientSampleId :

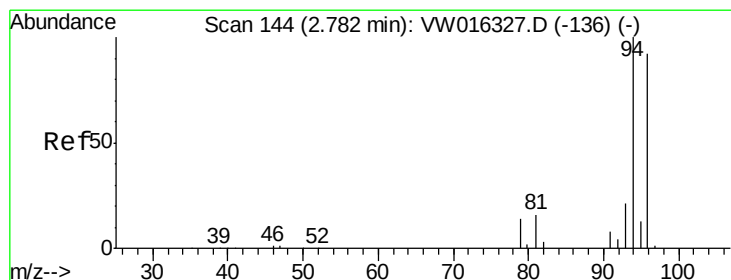
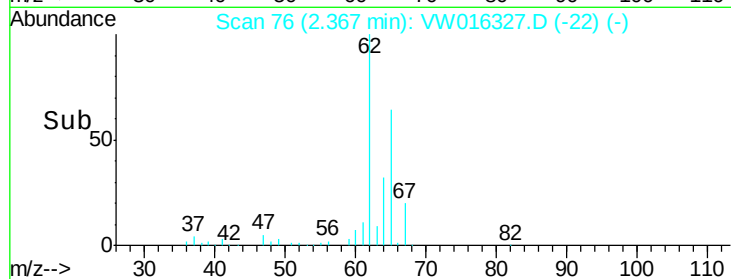
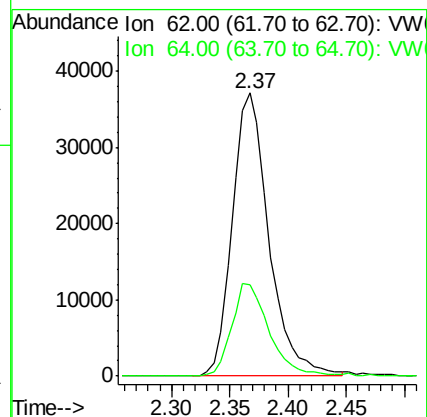
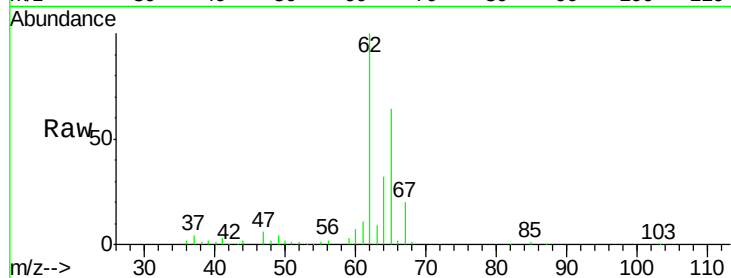
VSTD02523

Tgt Ion: 62 Resp: 81227

Ion Ratio Lower Upper

62 100

64 32.4 22.0 41.0



#6

Bromomethane

Concen: 23.931 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW016327.D

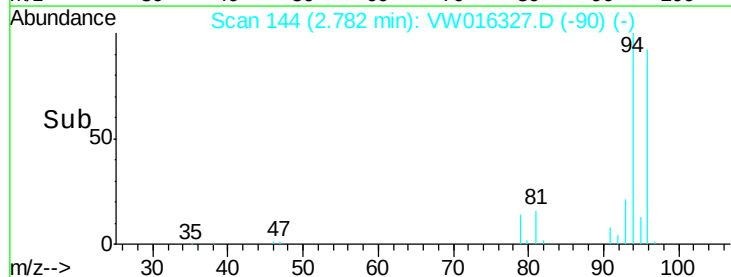
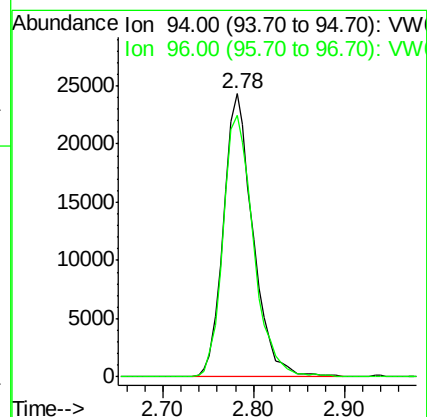
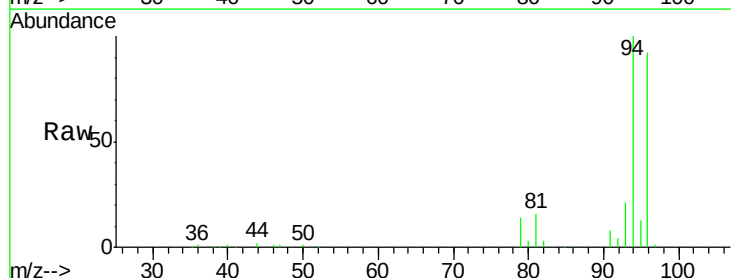
Acq: 24 Aug 2020 13:21

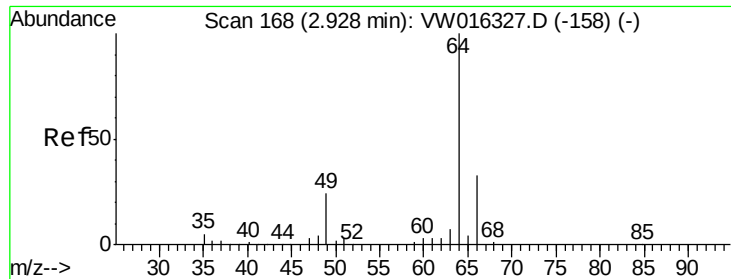
Tgt Ion: 94 Resp: 55166

Ion Ratio Lower Upper

94 100

96 95.2 9.3 176.7

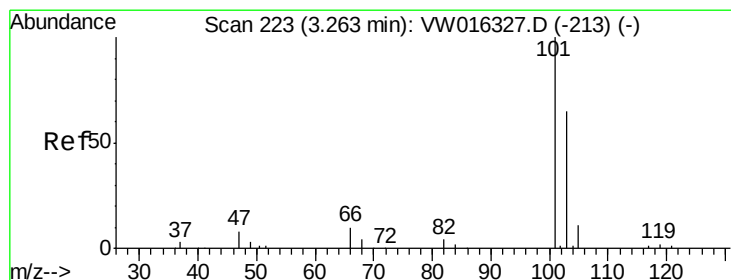
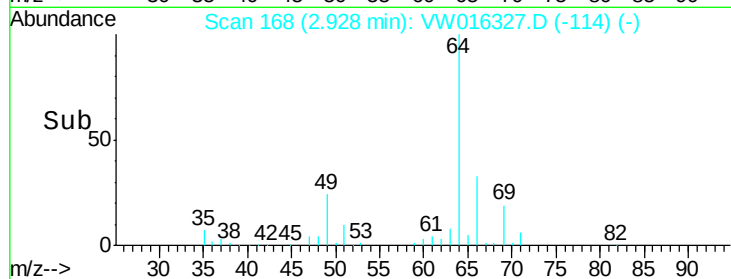
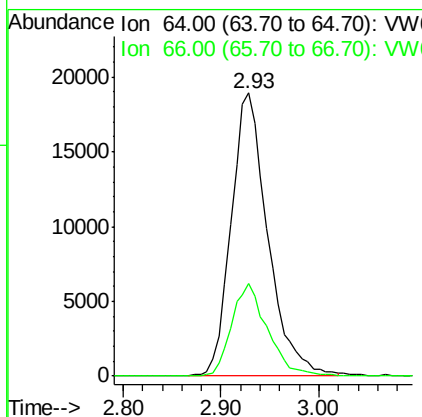
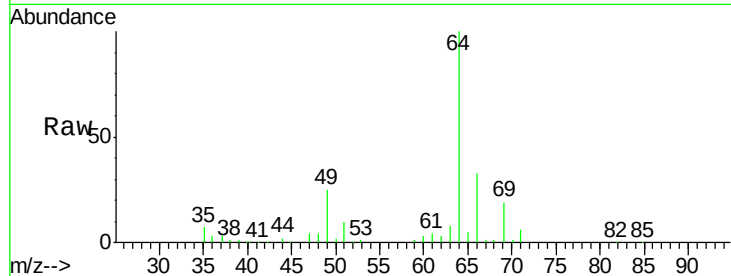




#8
Chloroethane
Concen: 25.014 ug/L
RT: 2.93 min Scan# 168
Delta R.T. 0.00 min
Lab File: VW016327.D
Acq: 24 Aug 2020 13:21

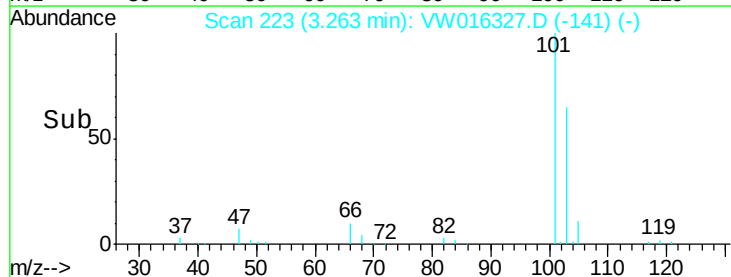
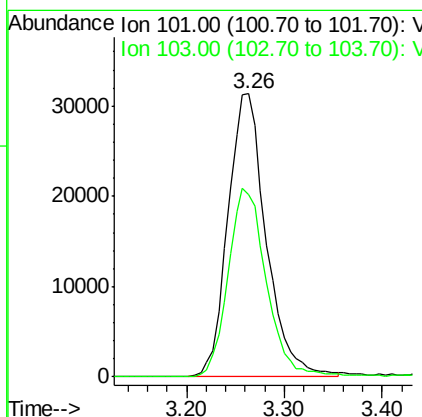
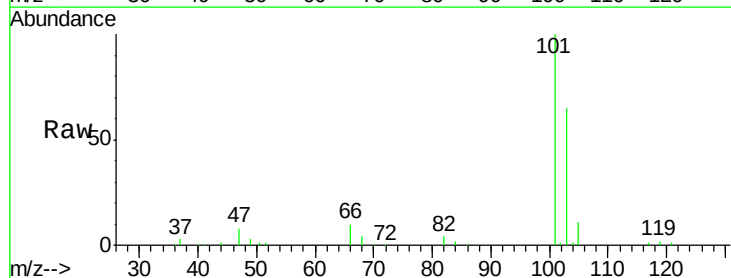
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

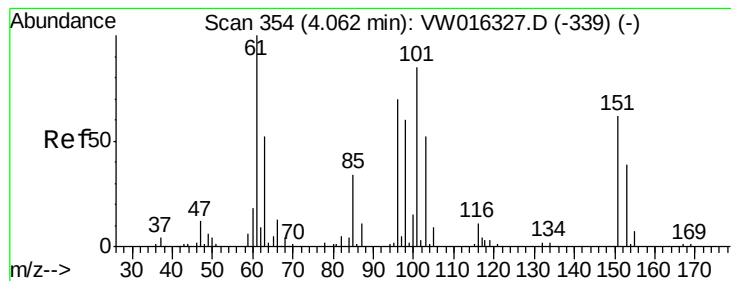
Tgt Ion: 64 Resp: 49181
Ion Ratio Lower Upper
64 100
66 32.5 24.1 44.8



#9
Trichlorofluoromethane
Concen: 22.302 ug/L
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW016327.D
Acq: 24 Aug 2020 13:21

Tgt Ion: 101 Resp: 85103
Ion Ratio Lower Upper
101 100
103 65.9 44.8 83.2





#11

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

Concen: 24.125 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW016327.D

Acq: 24 Aug 2020 13:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

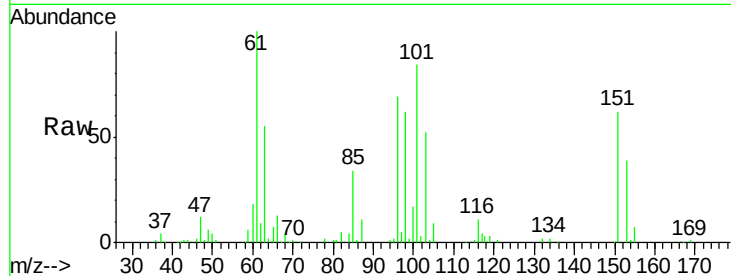
Tgt Ion:101 Resp: 100487

Ion Ratio Lower Upper

101 100

85 39.5 31.8 47.6

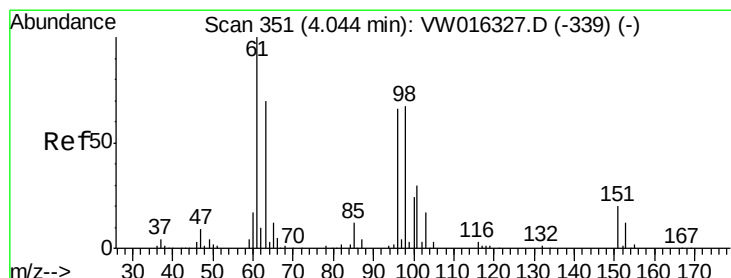
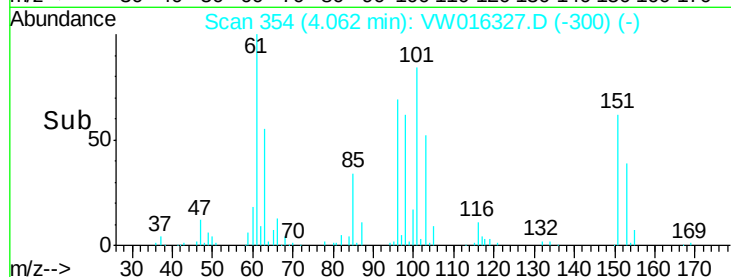
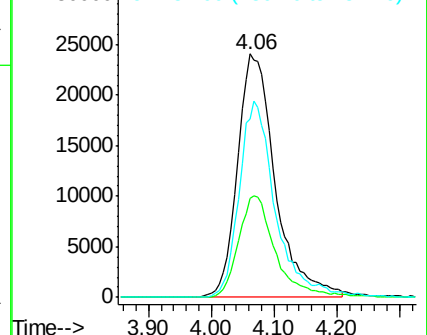
151 74.3 60.9 91.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 23.791 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW016327.D

Acq: 24 Aug 2020 13:21

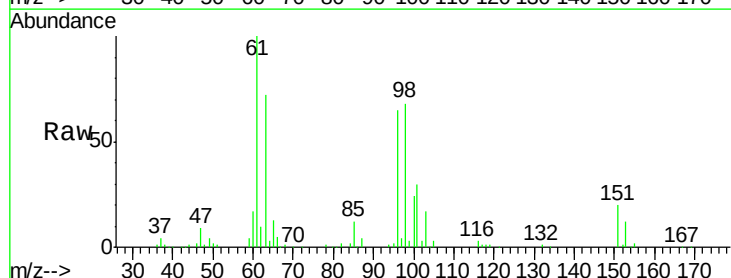
Tgt Ion: 96 Resp: 95313

Ion Ratio Lower Upper

96 100

61 153.1 112.3 208.5

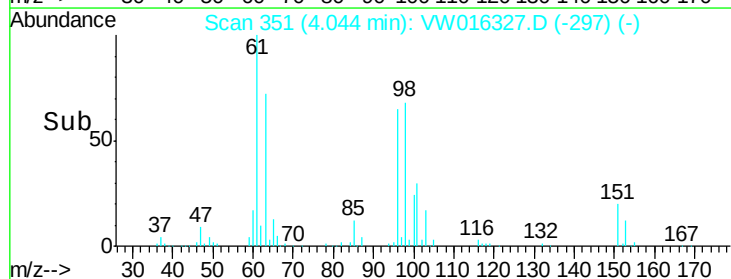
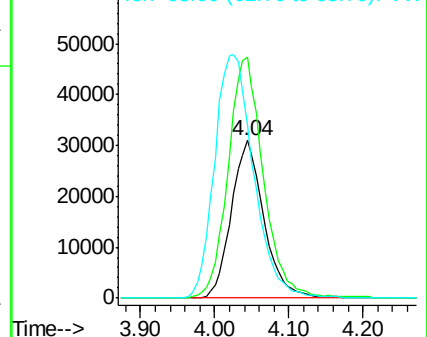
63 109.8 77.3 143.7

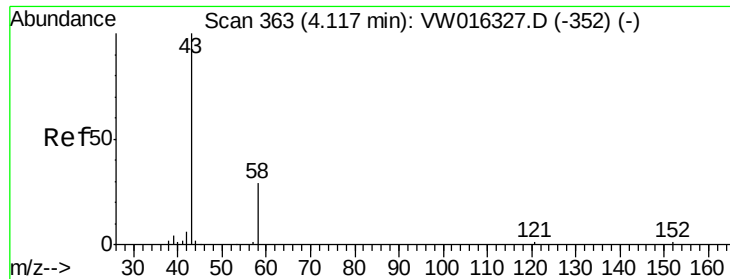


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 44.920 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW016327.D

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ClientSampled :

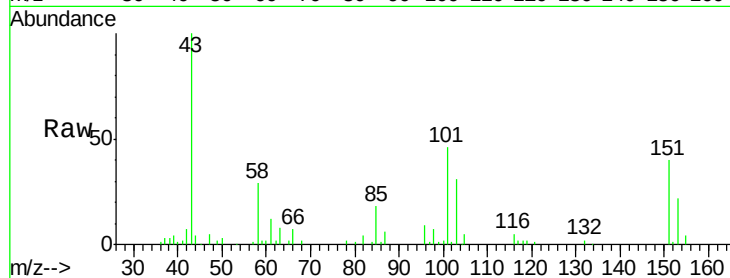
VSTD02523

Tgt Ion: 43 Resp: 34161

Ion Ratio Lower Upper

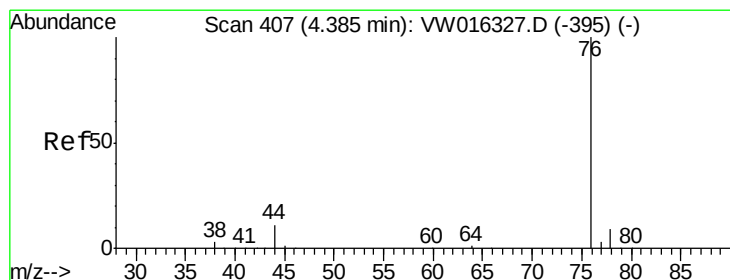
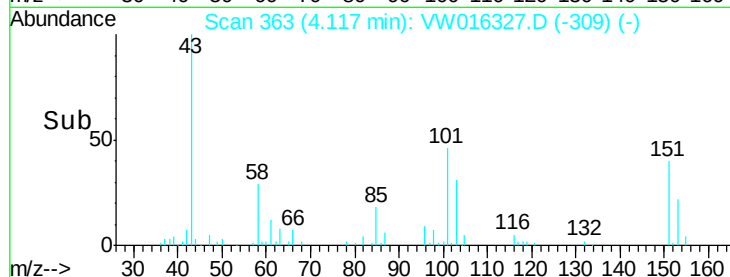
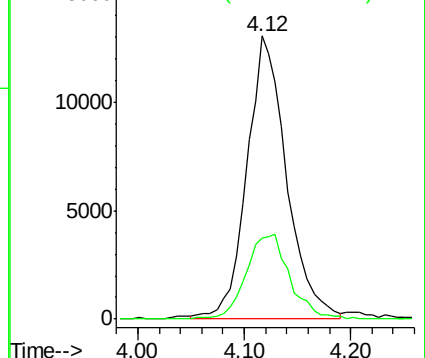
43 100

58 31.5 0.0 63.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 23.128 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW016327.D

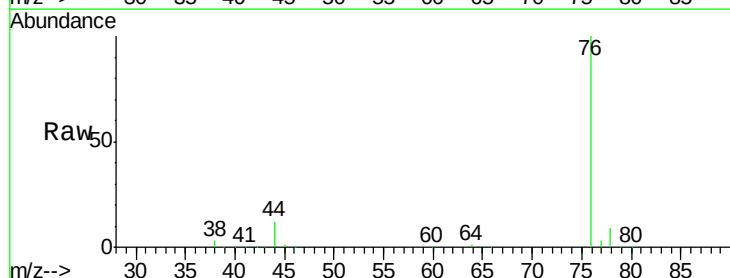
Acq: 24 Aug 2020 13:21

Tgt Ion: 76 Resp: 274721

Ion Ratio Lower Upper

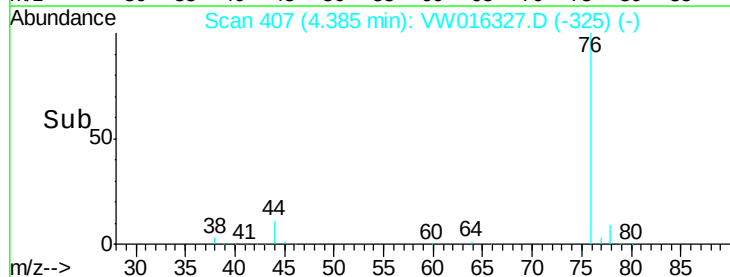
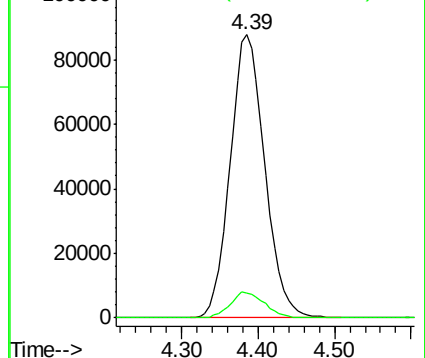
76 100

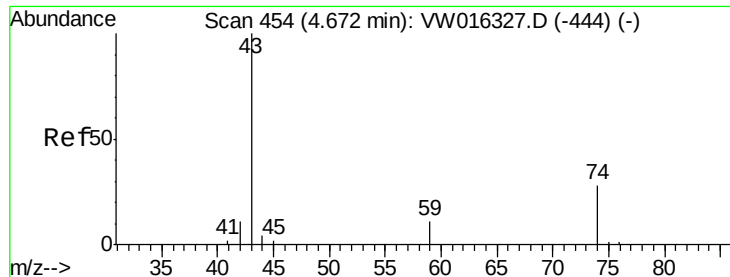
78 9.0 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

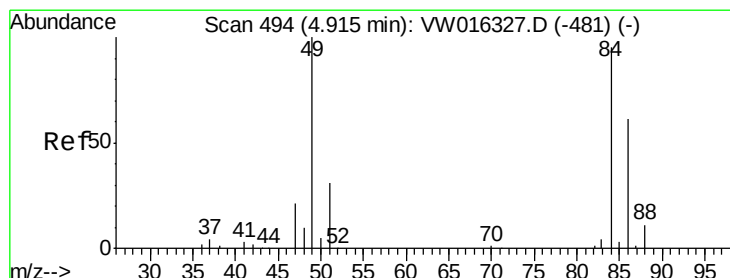
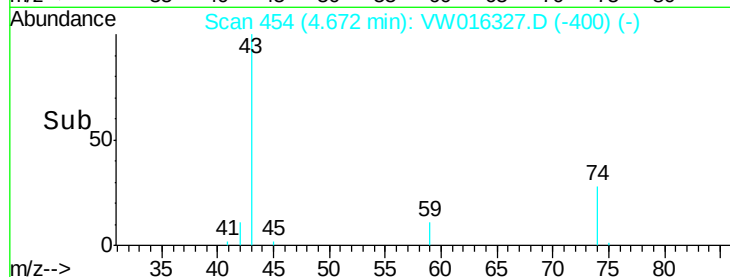
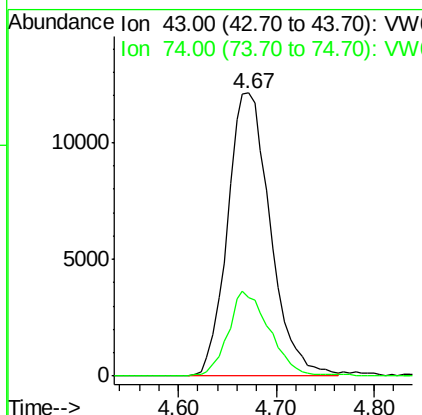
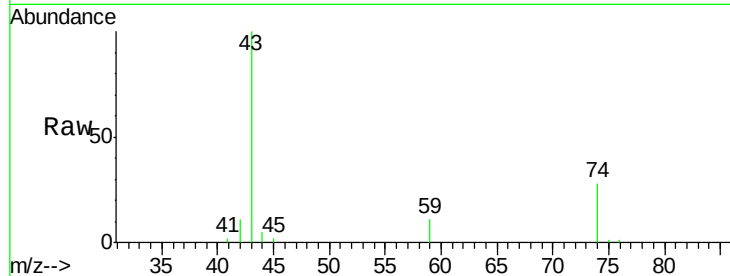




#15
Methyl Acetate
Concen: 24.084 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW016327.D
Acq: 24 Aug 2020 13:21

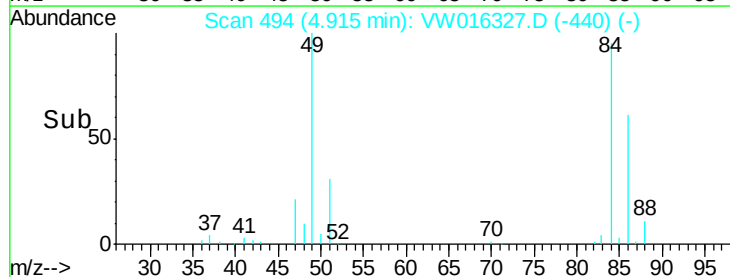
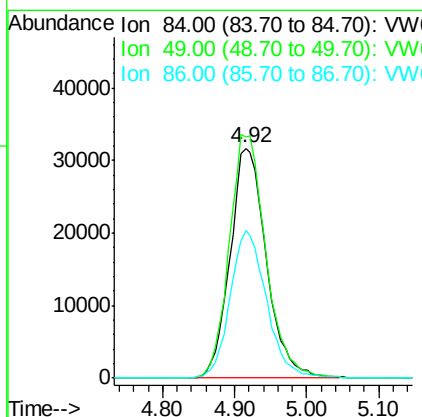
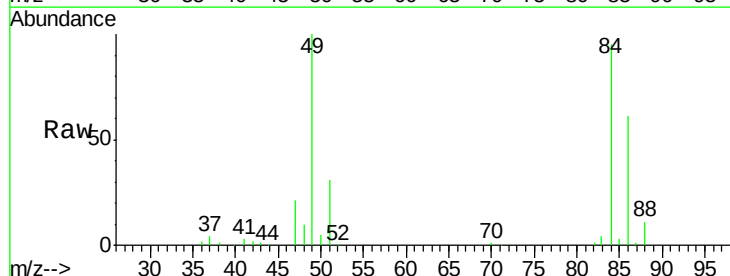
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

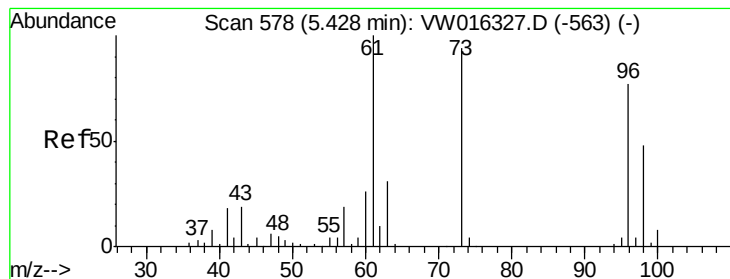
Tgt Ion: 43 Resp: 36851
Ion Ratio Lower Upper
43 100
74 28.7 21.0 31.6



#16
Methylene chloride
Concen: 19.941 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW016327.D
Acq: 24 Aug 2020 13:21

Tgt Ion: 84 Resp: 111246
Ion Ratio Lower Upper
84 100
49 105.0 75.3 139.9
86 64.5 43.3 80.3





#17

Methyl tert-butyl Ether

Concen: 25.134 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW016327.D

Acq: 24 Aug 2020 13:21

Instrument :

MSVOA_W

ClientSampled :

VSTD02523

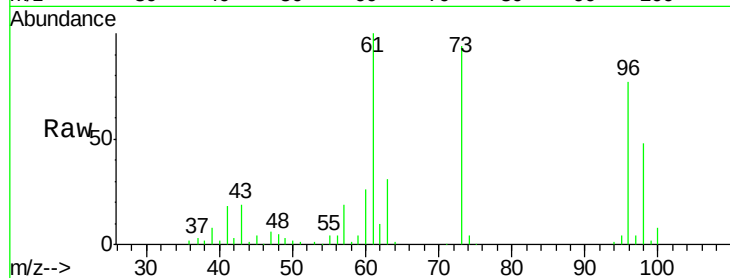
Tgt Ion: 73 Resp: 147233

Ion Ratio Lower Upper

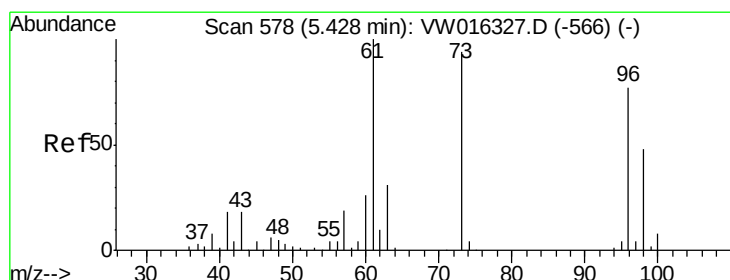
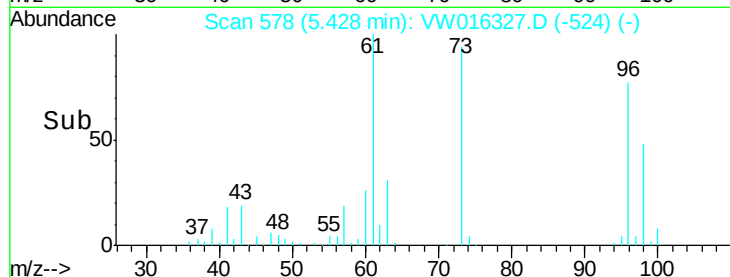
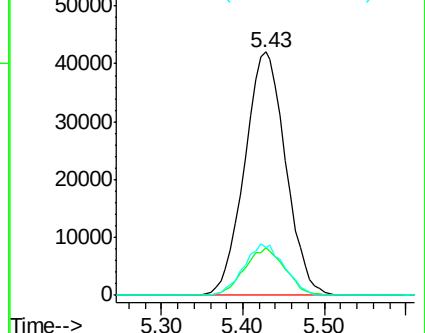
73 100

43 19.3 15.3 22.9

57 20.8 16.1 24.1



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: 24.034 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW016327.D

Acq: 24 Aug 2020 13:21

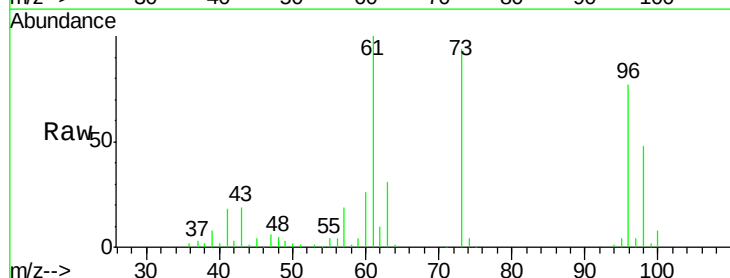
Tgt Ion: 96 Resp: 101146

Ion Ratio Lower Upper

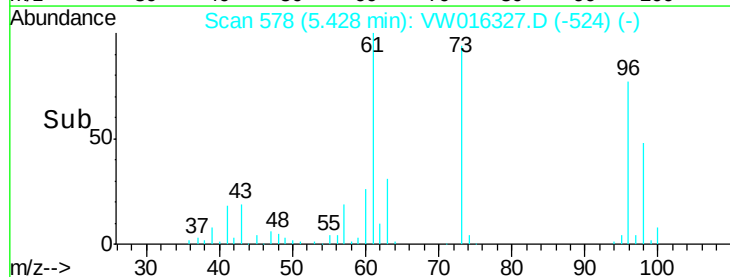
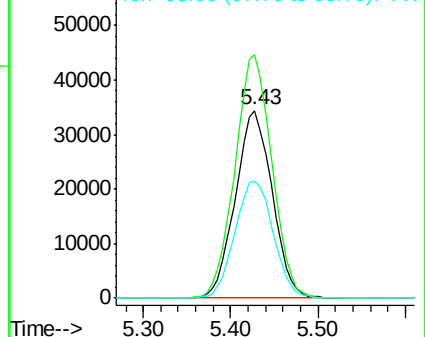
96 100

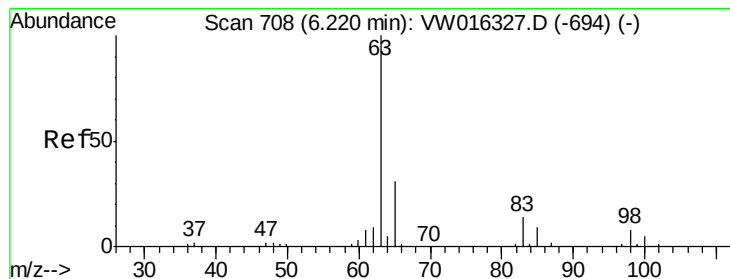
61 129.7 89.9 167.0

98 62.6 41.6 77.2



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





#19

1,1-Dichloroethane

Concen: 24.707 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW016327.D

Acq: 24 Aug 2020 13:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

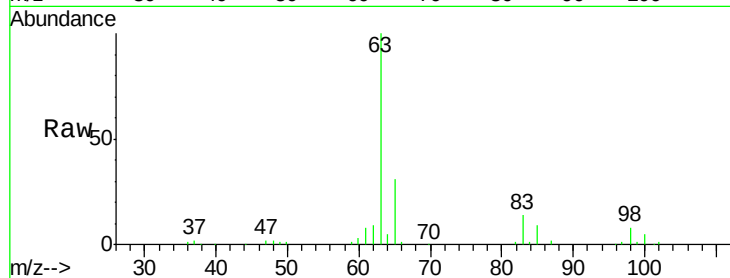
Tgt Ion: 63 Resp: 171318

Ion Ratio Lower Upper

63 100

65 31.2 21.8 40.6

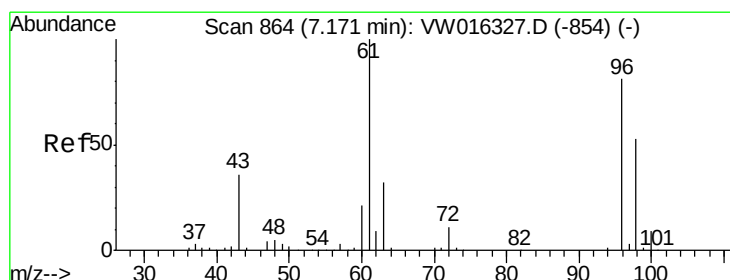
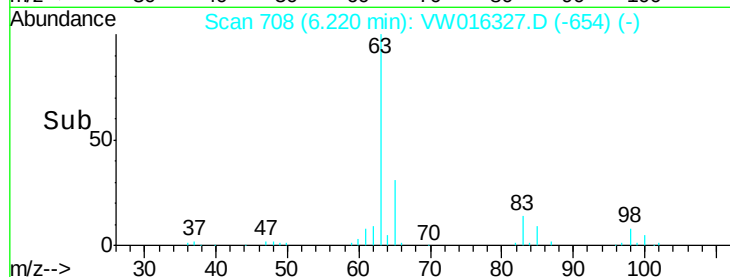
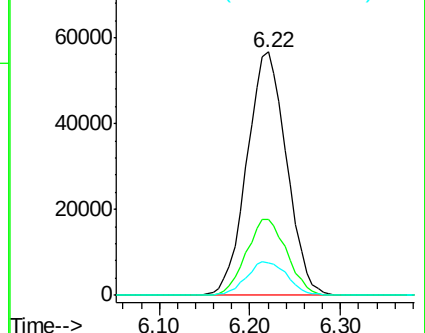
83 13.5 9.6 17.8



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: 45.385 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW016327.D

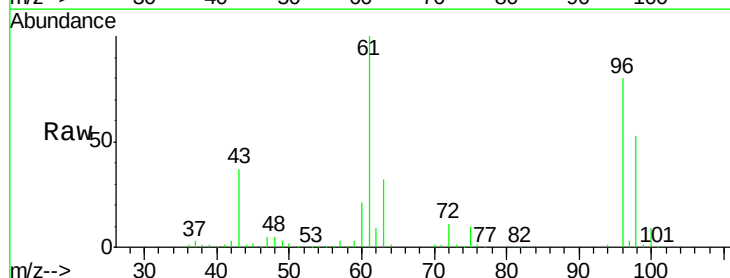
Acq: 24 Aug 2020 13:21

Tgt Ion: 43 Resp: 49174

Ion Ratio Lower Upper

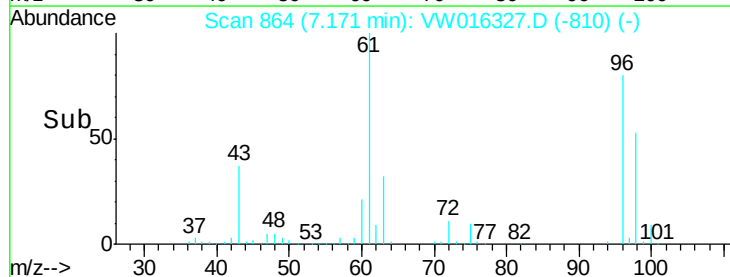
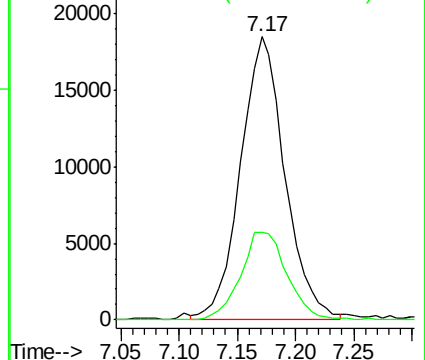
43 100

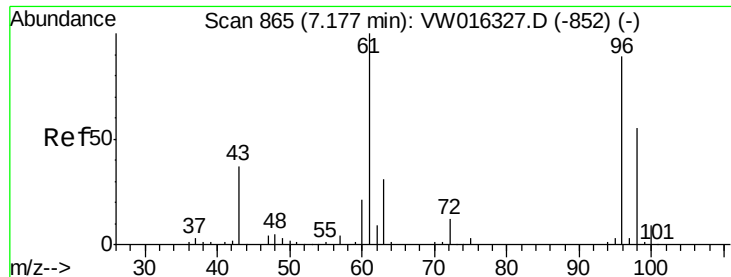
72 32.2 16.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



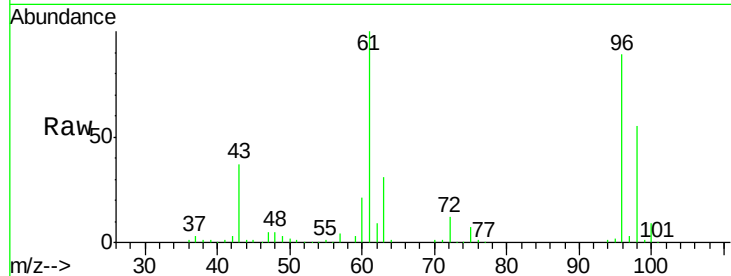


#22

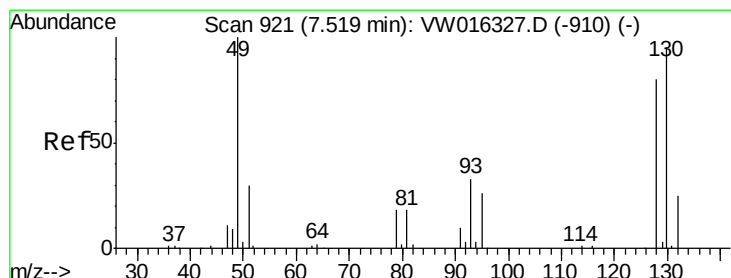
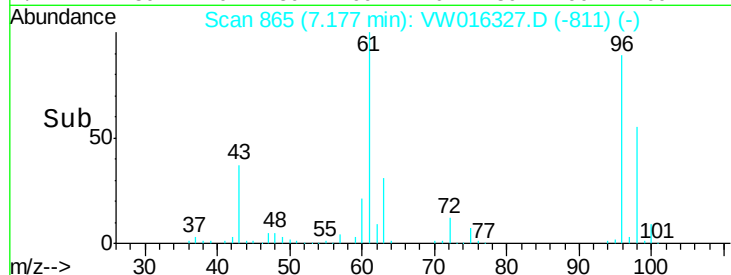
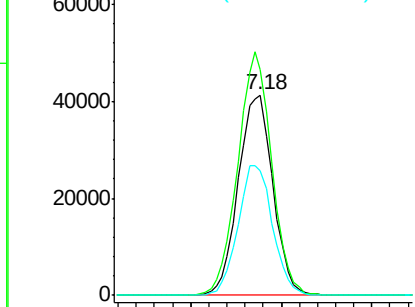
cis-1,2-Dichloroethene
Concen: 24.736 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.00 min
Lab File: VW016327.D
Acq: 24 Aug 2020 13:21

Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

Tgt Ion: 96 Resp: 109479
Ion Ratio Lower Upper
96 100
61 112.8 84.9 157.7
98 61.9 46.8 86.8



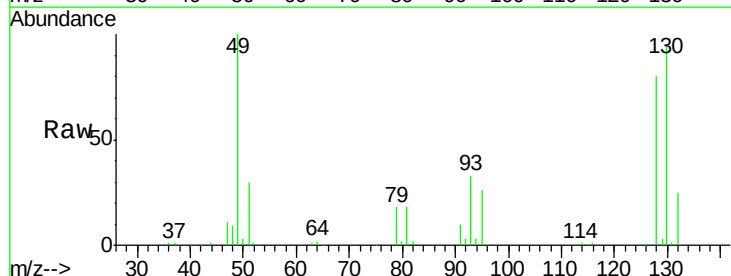
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



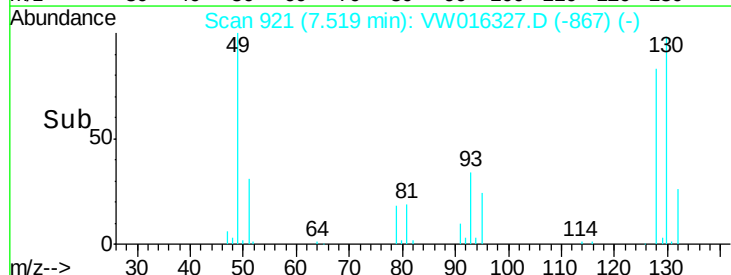
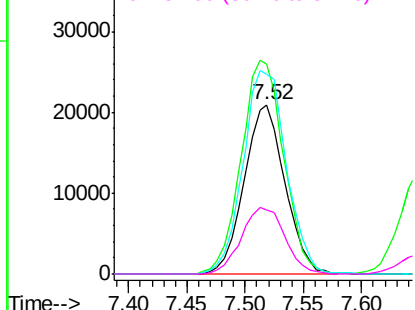
#23

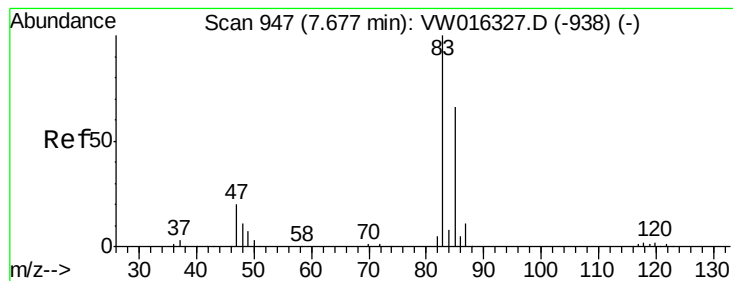
Bromochloromethane
Concen: 25.094 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW016327.D
Acq: 24 Aug 2020 13:21

Tgt Ion: 128 Resp: 50944
Ion Ratio Lower Upper
128 100
49 124.3 94.5 175.5
130 118.3 83.0 154.1
51 37.5 33.4 50.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW





#25

Chloroform

Concen: 24.690 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW016327.D

Acq: 24 Aug 2020 13:21

Instrument :

MSVOA_W

ClientSampleId :

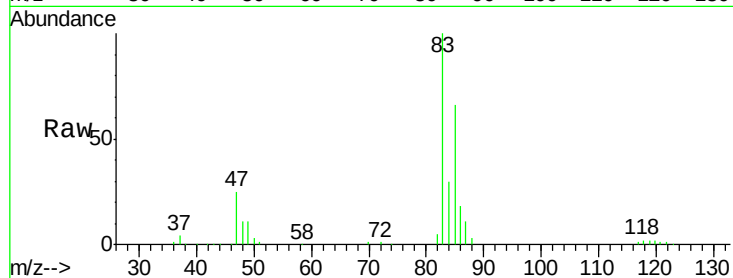
VSTD02523

Tgt Ion: 83 Resp: 184375

Ion Ratio Lower Upper

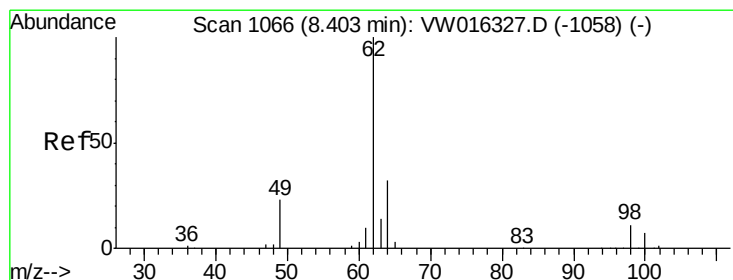
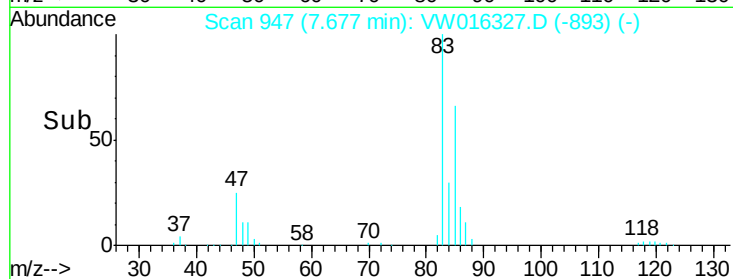
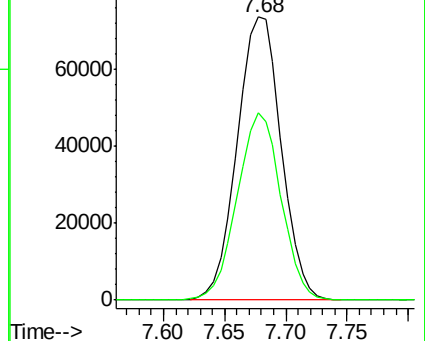
83 100

85 65.8 45.3 84.1



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 24.759 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW016327.D

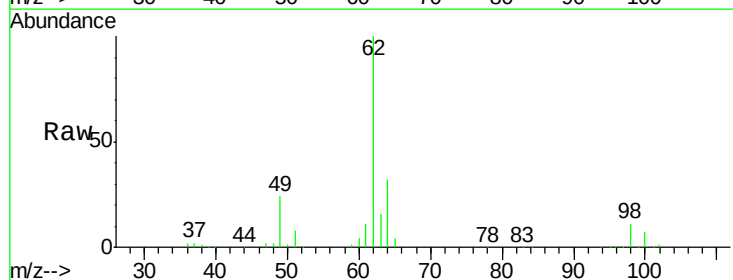
Acq: 24 Aug 2020 13:21

Tgt Ion: 62 Resp: 115799

Ion Ratio Lower Upper

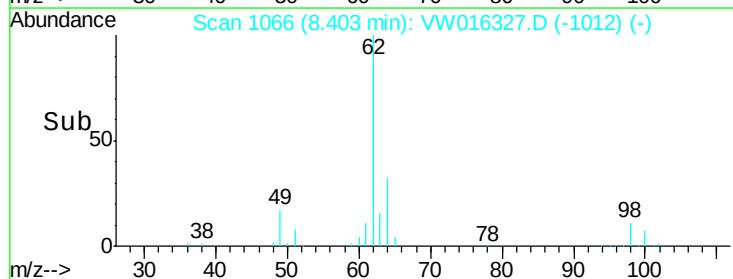
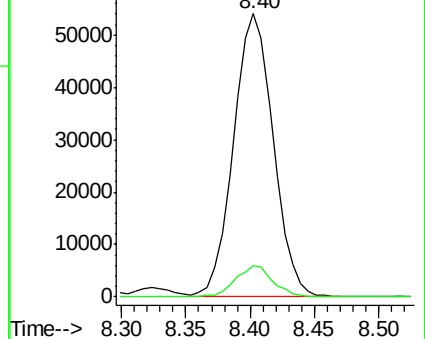
62 100

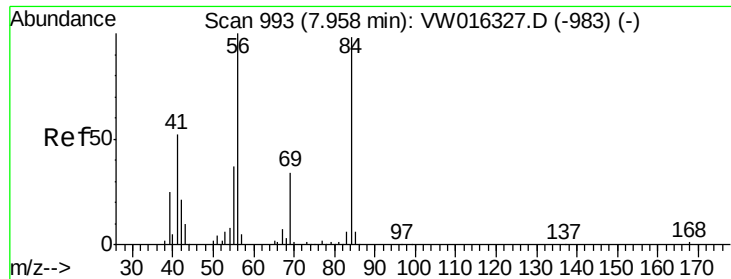
98 11.1 7.8 11.8



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

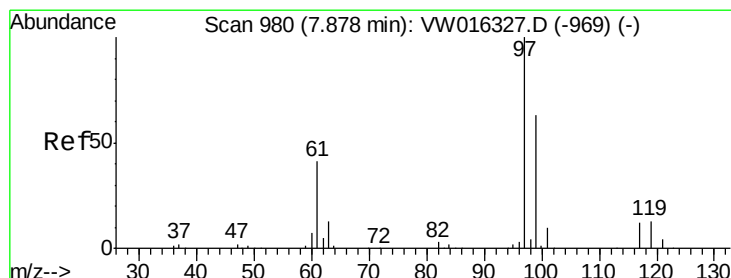
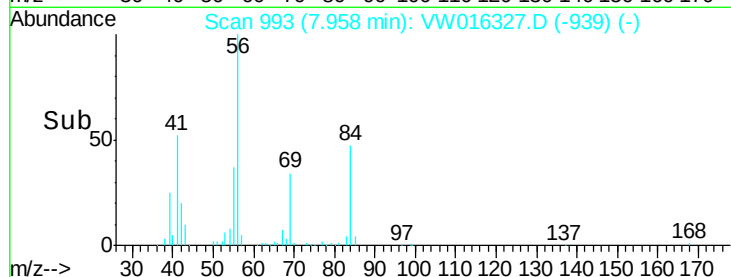
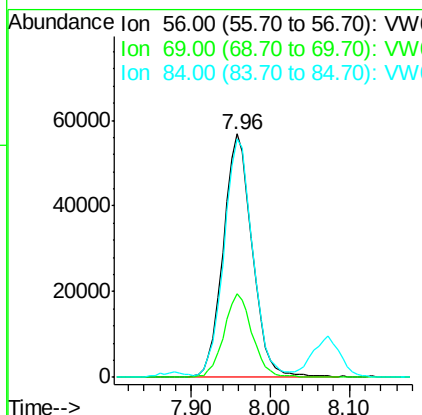
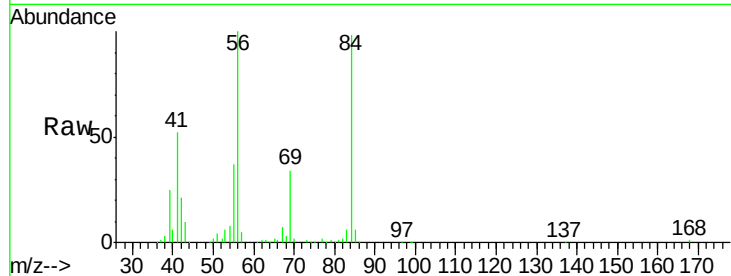




#30
Cyclohexane
Concen: 24.292 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW016327.D
Acq: 24 Aug 2020 13:21

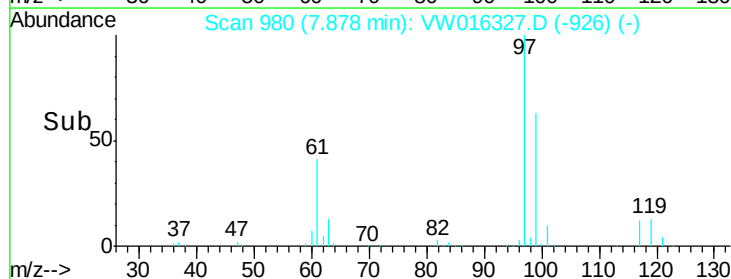
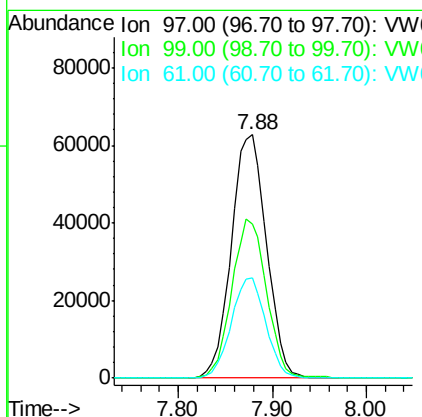
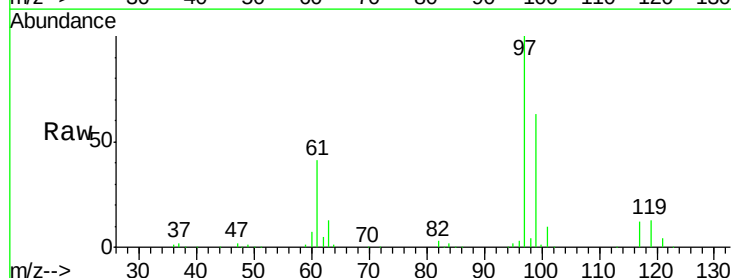
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

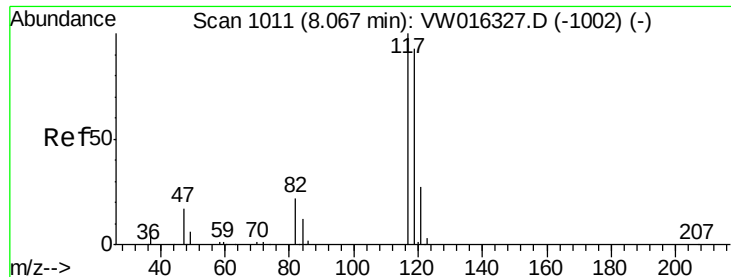
Tgt Ion: 56 Resp: 145731
Ion Ratio Lower Upper
56 100
69 33.2 26.6 40.0
84 97.0 78.4 117.6



#31
1,1,1-Trichloroethane
Concen: 24.321 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW016327.D
Acq: 24 Aug 2020 13:21

Tgt Ion: 97 Resp: 162364
Ion Ratio Lower Upper
97 100
99 64.3 51.5 77.3
61 40.4 32.0 48.0





#32

Carbon tetrachloride

Concen: 24.260 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW016327.D

Acq: 24 Aug 2020 13:21

Instrument :

MSVOA_W

ClientSampleId :

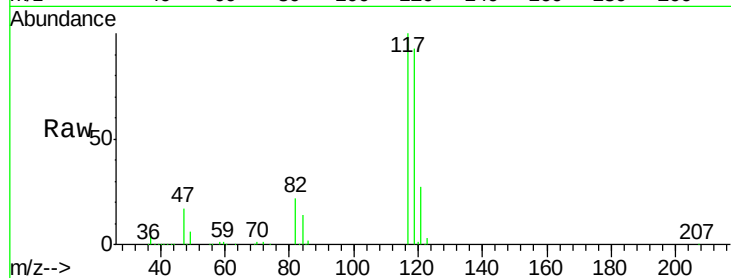
VSTD02523

Tgt Ion:117 Resp: 153780

Ion Ratio Lower Upper

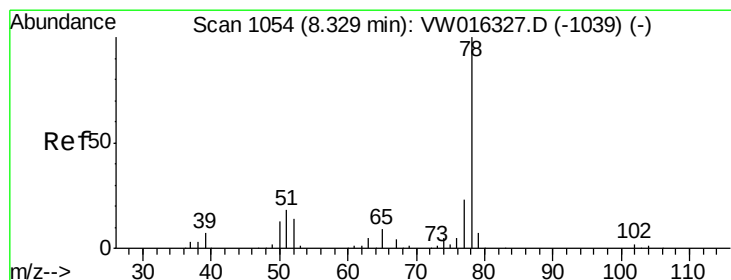
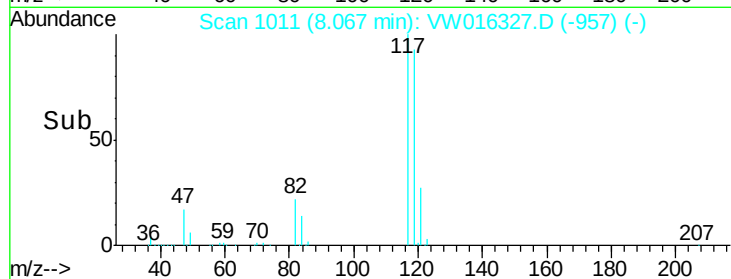
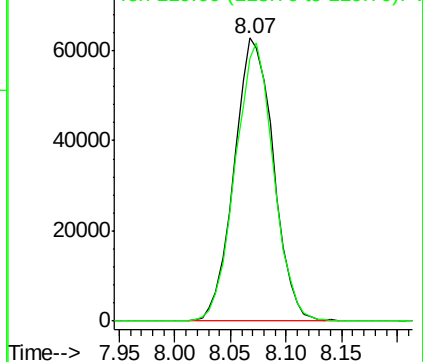
117 100

119 96.1 77.3 115.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.128 ug/L

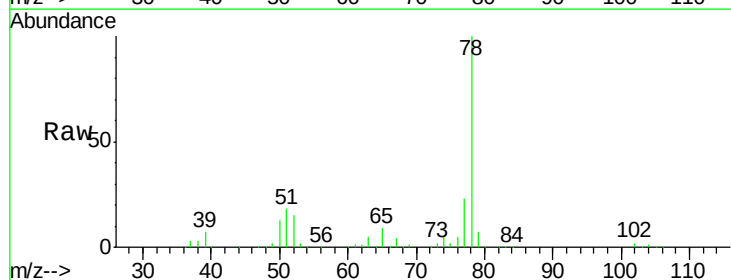
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

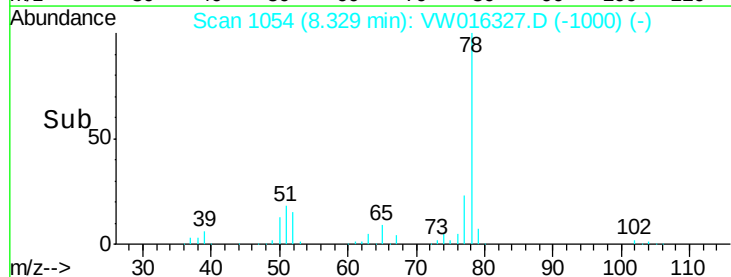
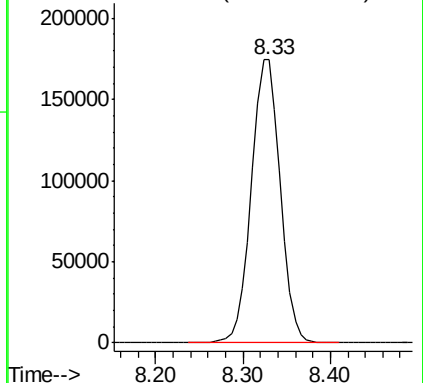
Lab File: VW016327.D

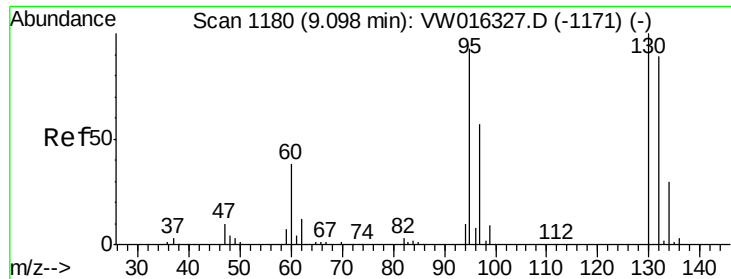
Acq: 24 Aug 2020 13:21

Tgt Ion: 78 Resp: 400054



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.140 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW016327.D

Acq: 24 Aug 2020 13:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

Tgt Ion: 95 Resp: 108817

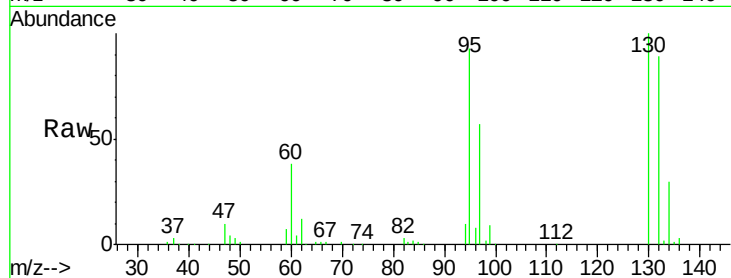
Ion Ratio Lower Upper

95 100

97 63.6 44.9 83.5

132 99.6 68.2 126.6

130 104.4 71.5 132.9

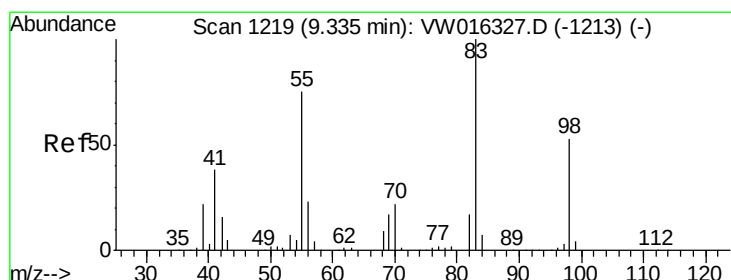
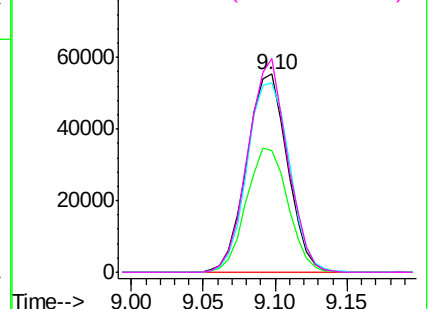
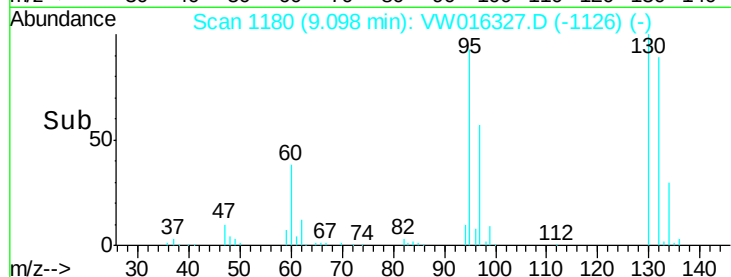


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 24.128 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW016327.D

Acq: 24 Aug 2020 13:21

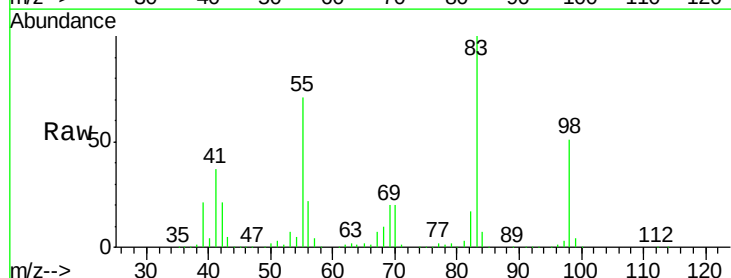
Tgt Ion: 83 Resp: 177551

Ion Ratio Lower Upper

83 100

55 70.7 55.6 83.4

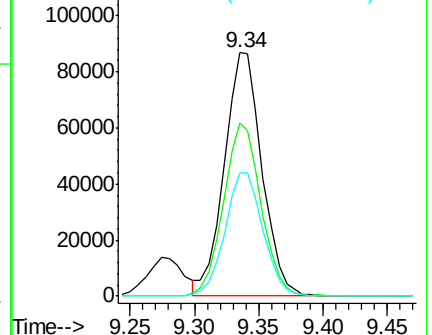
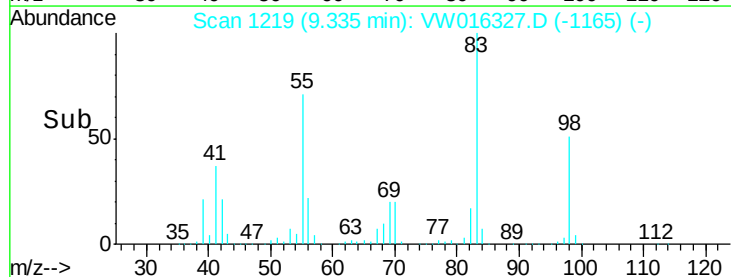
98 51.2 40.6 61.0

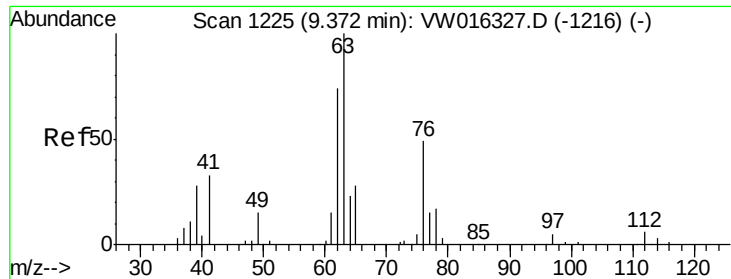


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

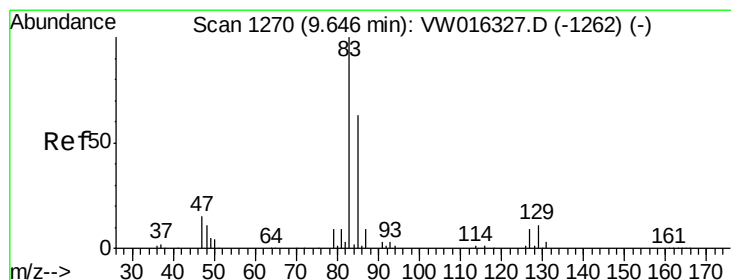
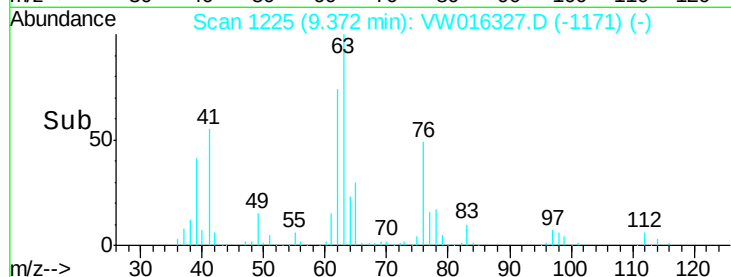
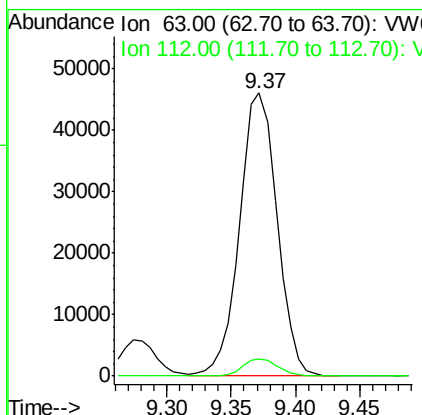
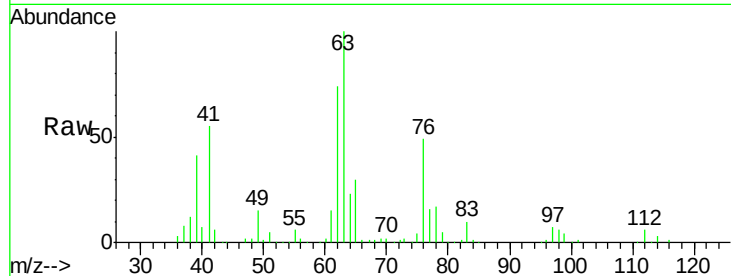




#40
 1,2-Dichloropropane
 Concen: 24.875 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016327.D
 Acq: 24 Aug 2020 13:21

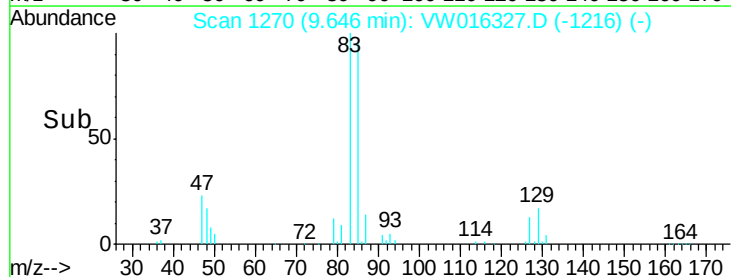
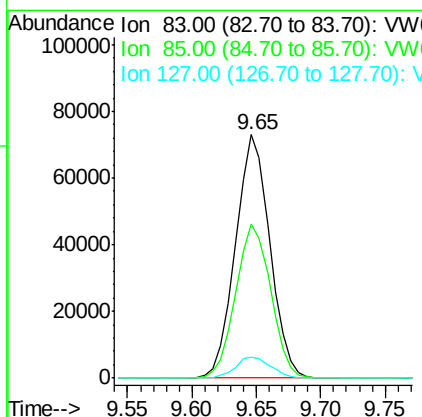
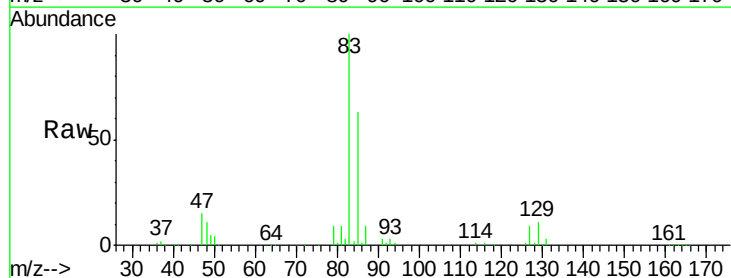
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02523

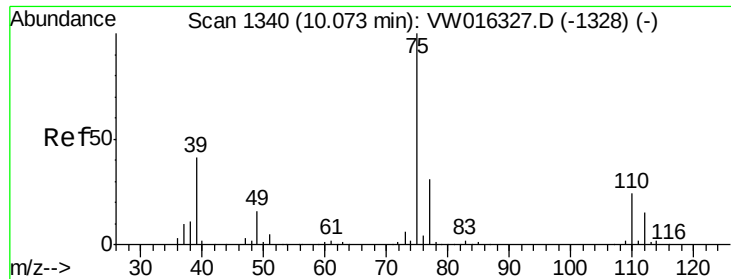
Tgt Ion: 63 Resp: 93136
 Ion Ratio Lower Upper
 63 100
 112 5.7 4.4 6.6



#41
 Bromodichloromethane
 Concen: 25.476 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016327.D
 Acq: 24 Aug 2020 13:21

Tgt Ion: 83 Resp: 135118
 Ion Ratio Lower Upper
 83 100
 85 63.3 44.7 83.1
 127 8.7 7.0 10.4





#42

cis-1,3-Dichloropropene

Concen: 25.996 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW016327.D

Acq: 24 Aug 2020 13:21

Instrument :

MSVOA_W

ClientSampleId :

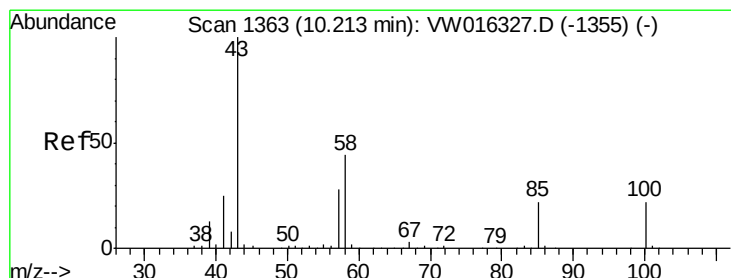
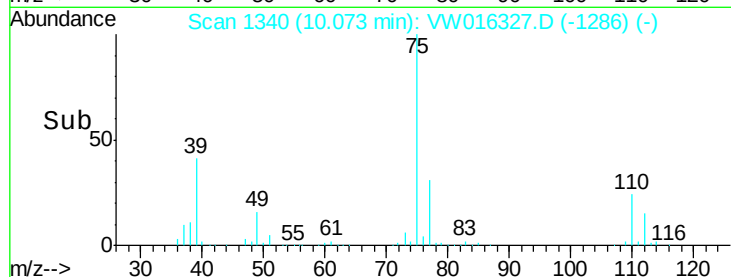
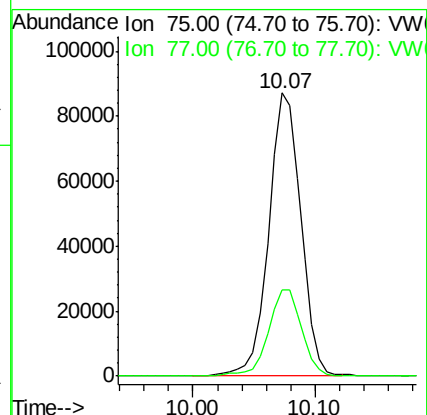
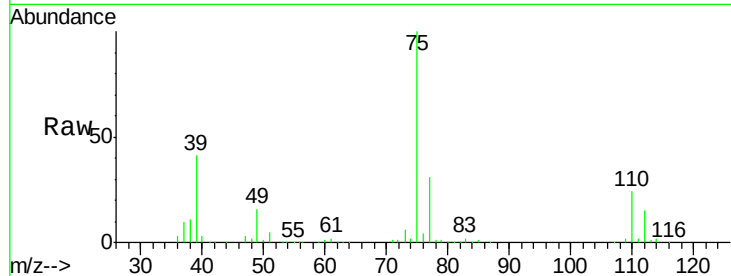
VSTD02523

Tgt Ion: 75 Resp: 159368

Ion Ratio Lower Upper

75 100

77 30.6 22.0 40.8



#43

4-Methyl-2-pentanone

Concen: 48.676 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016327.D

Acq: 24 Aug 2020 13:21

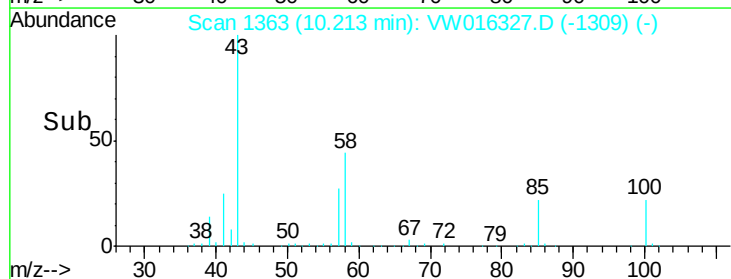
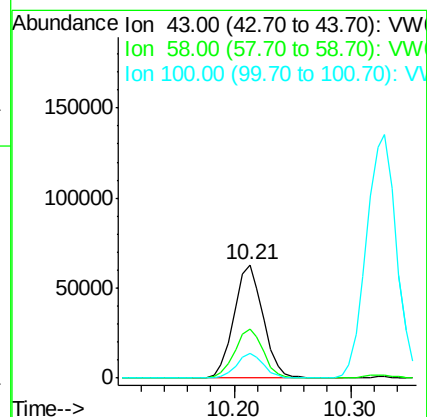
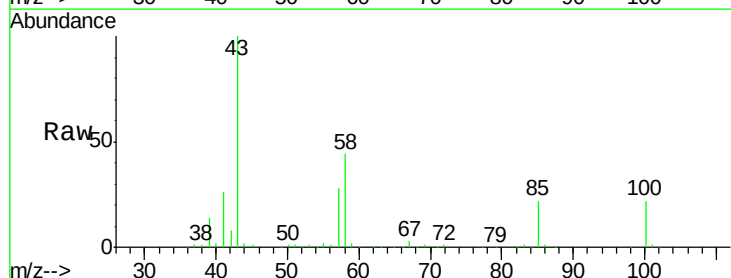
Tgt Ion: 43 Resp: 108968

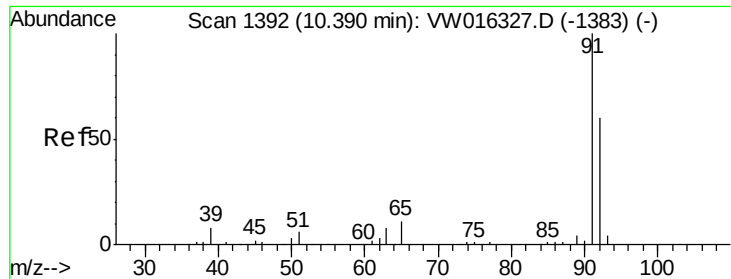
Ion Ratio Lower Upper

43 100

58 42.7 34.9 52.3

100 20.4 15.9 23.9





#44

Toluene

Concen: 25.086 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016327.D

Acq: 24 Aug 2020 13:21

Instrument :

MSVOA_W

ClientSampleId :

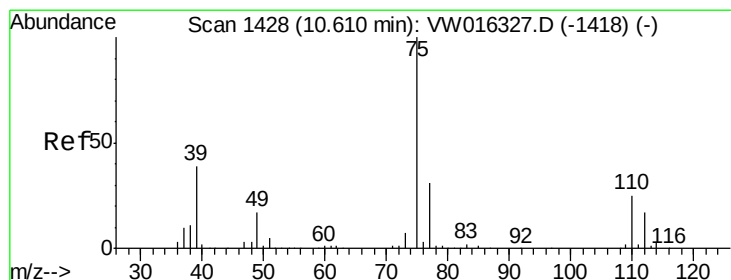
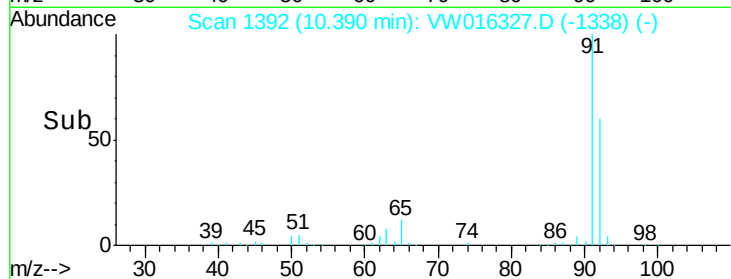
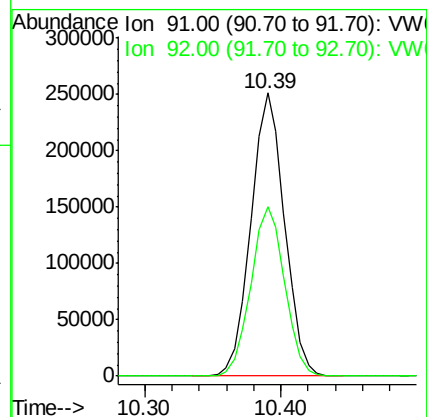
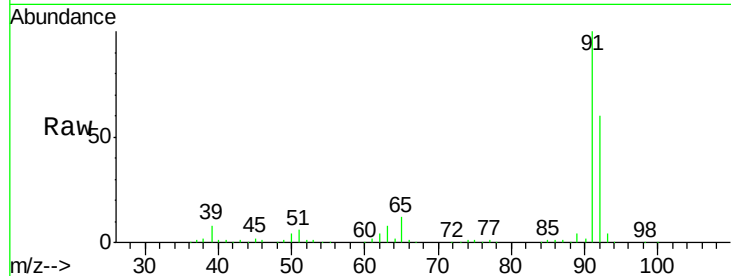
VSTD02523

Tgt Ion: 91 Resp: 434942

Ion Ratio Lower Upper

91 100

92 59.7 41.5 77.1



#45

trans-1,3-Dichloropropene

Concen: 25.744 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016327.D

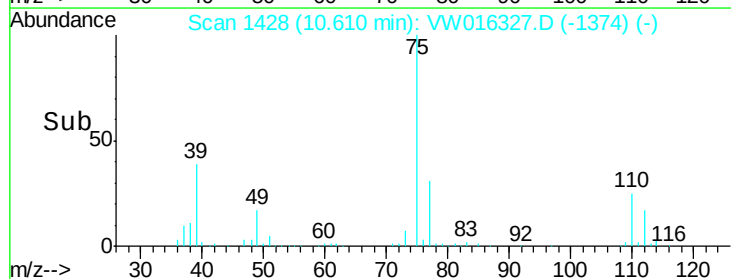
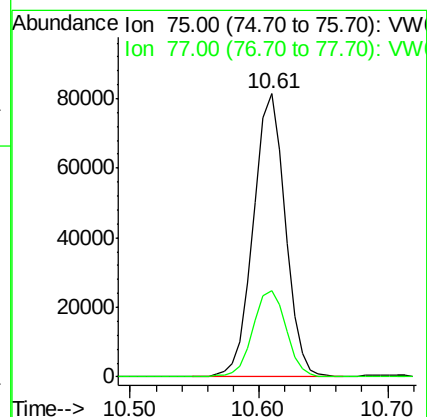
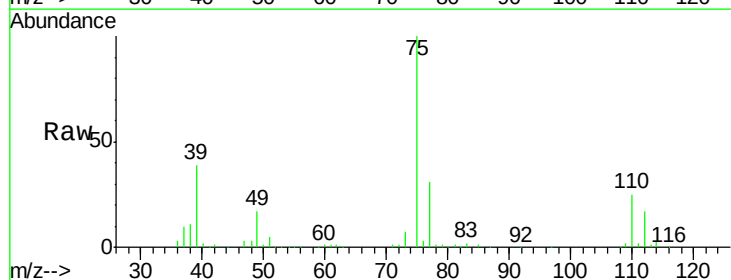
Acq: 24 Aug 2020 13:21

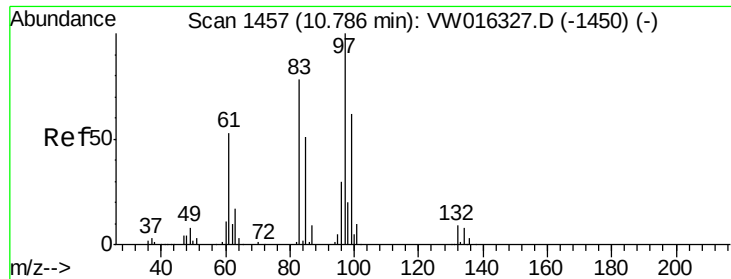
Tgt Ion: 75 Resp: 139539

Ion Ratio Lower Upper

75 100

77 30.6 21.3 39.5

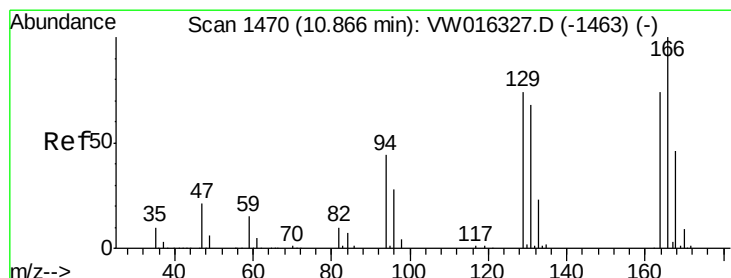
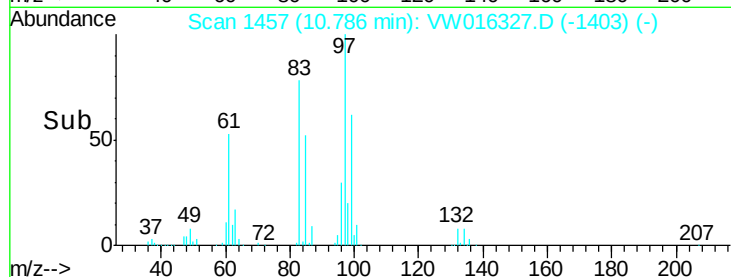
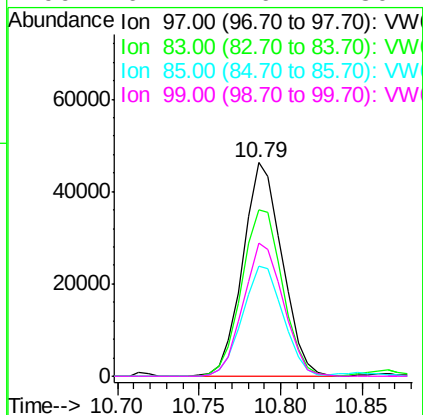
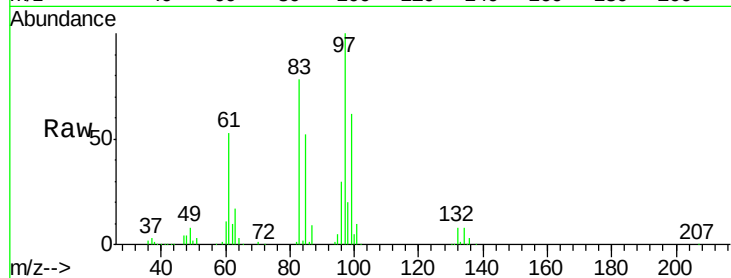




#46
 1,1,2-Trichloroethane
 Concen: 25.239 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW016327.D
 Acq: 24 Aug 2020 13:21

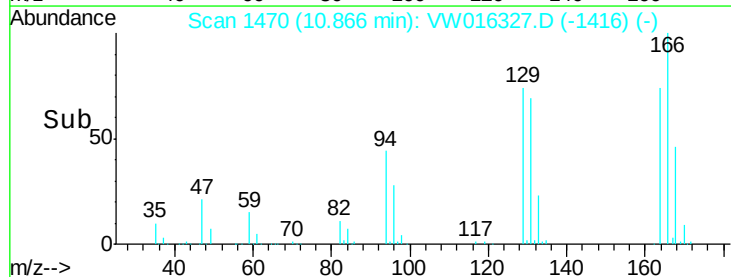
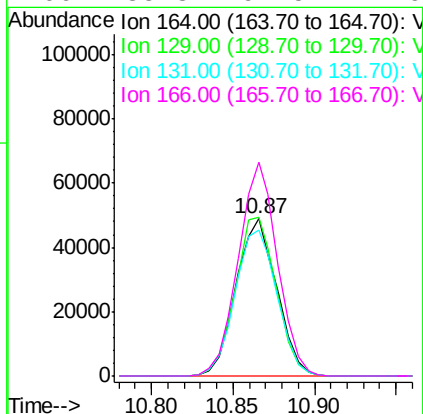
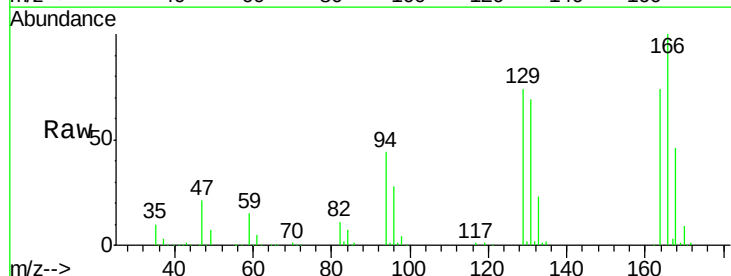
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

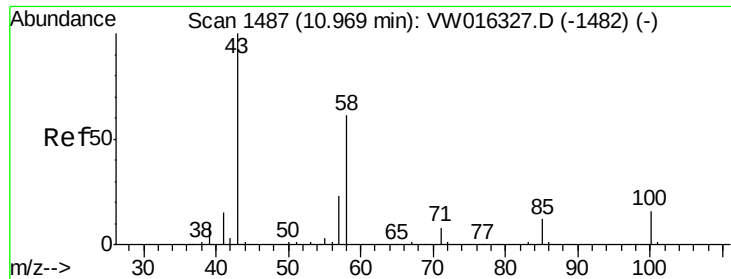
Tgt Ion:	97	Resp:	77997
Ion	Ratio	Lower	Upper
97	100		
83	78.0	57.9	107.5
85	51.6	38.8	72.0
99	62.1	46.4	86.2



#47
 Tetrachloroethene
 Concen: 23.886 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW016327.D
 Acq: 24 Aug 2020 13:21

Tgt Ion:	164	Resp:	84909
Ion	Ratio	Lower	Upper
164	100		
129	100.8	71.5	132.7
131	93.2	67.4	125.2
166	135.8	92.5	171.9

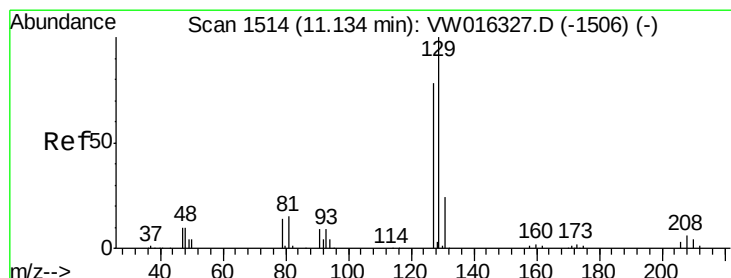
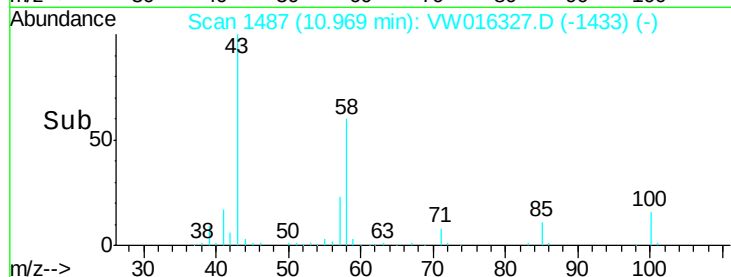
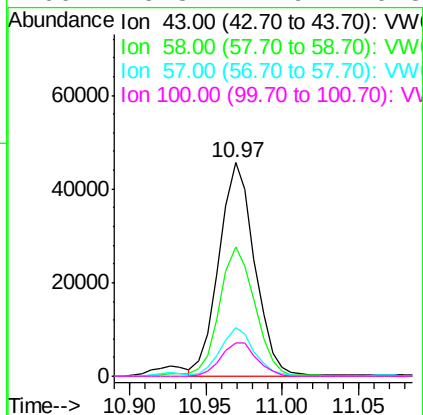
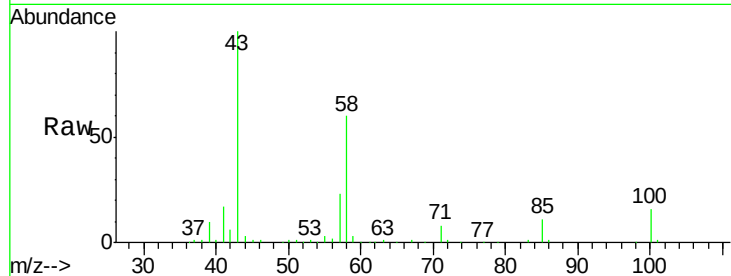




#49
2-Hexanone
Concen: 51.310 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW016327.D
Acq: 24 Aug 2020 13:21

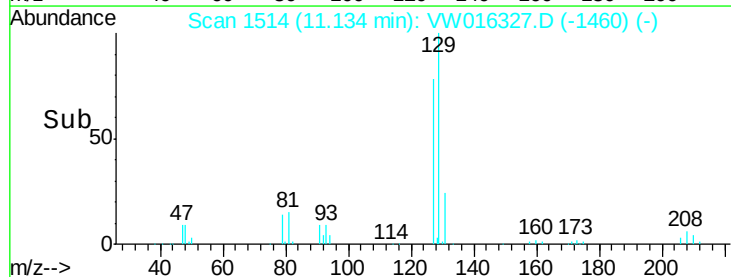
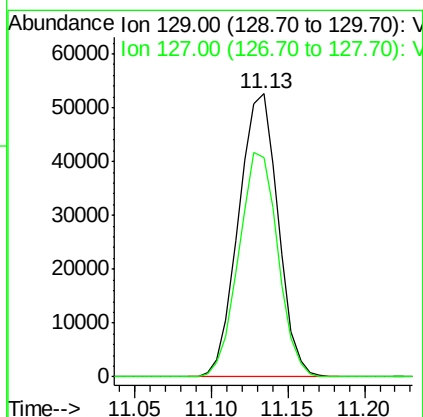
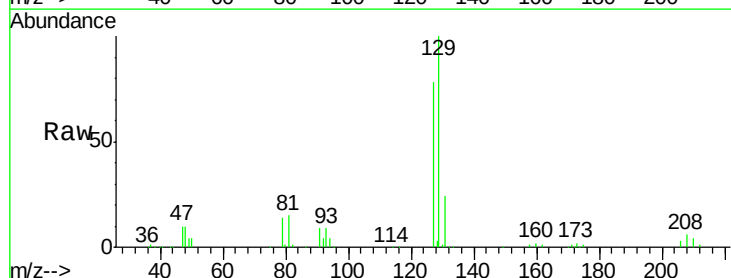
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

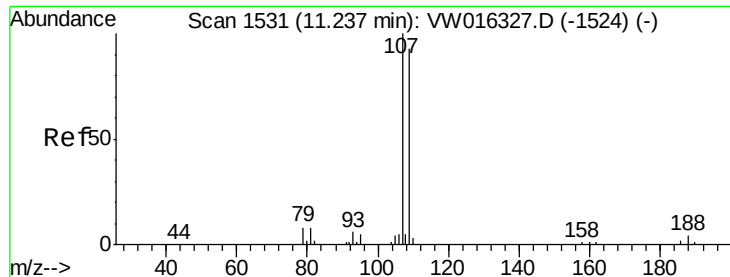
Tgt Ion: 43 Resp: 74413
Ion Ratio Lower Upper
43 100
58 60.0 49.5 74.3
57 21.5 17.7 26.5
100 15.8 12.9 19.3



#50
Dibromochloromethane
Concen: 24.576 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW016327.D
Acq: 24 Aug 2020 13:21

Tgt Ion: 129 Resp: 94590
Ion Ratio Lower Upper
129 100
127 77.5 53.8 99.8





#51

1,2-Dibromoethane

Concen: 25.075 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW016327.D

Acq: 24 Aug 2020 13:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

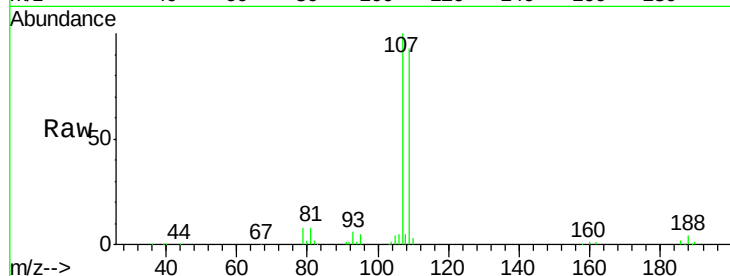
Tgt Ion:107 Resp: 75848

Ion Ratio Lower Upper

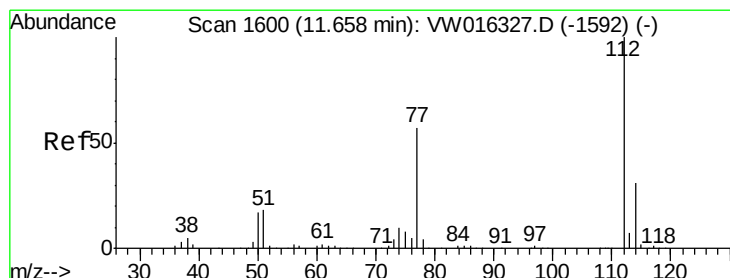
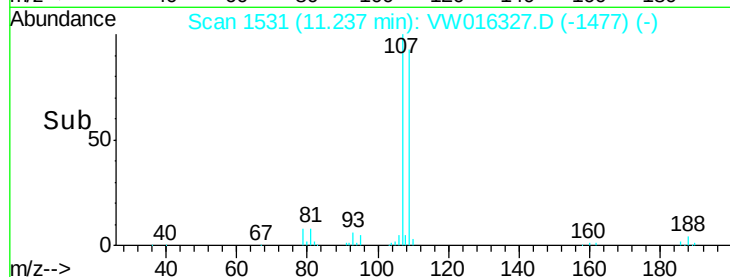
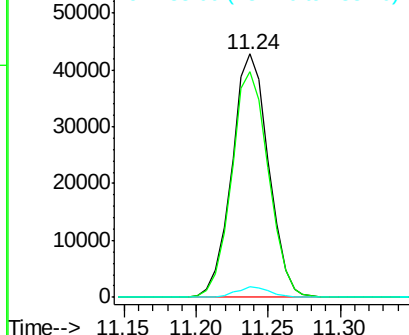
107 100

109 92.7 65.7 121.9

188 4.4 3.3 4.9



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 25.086 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW016327.D

Acq: 24 Aug 2020 13:21

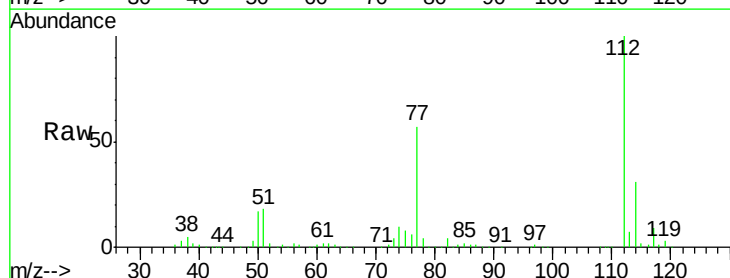
Tgt Ion:112 Resp: 290498

Ion Ratio Lower Upper

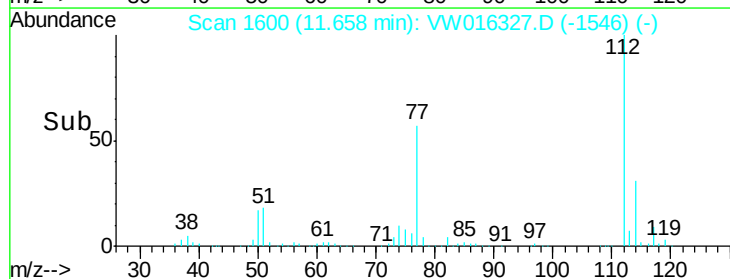
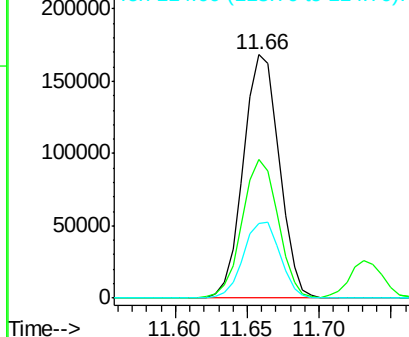
112 100

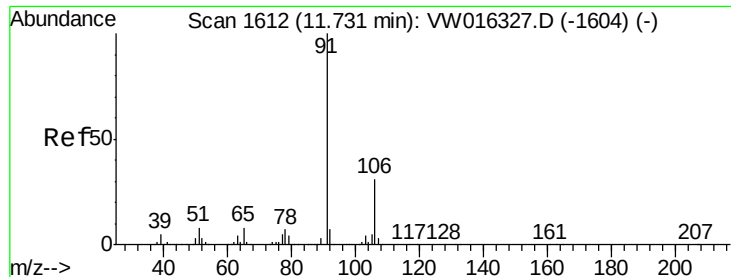
77 56.9 46.9 70.3

114 30.6 23.3 43.3



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V

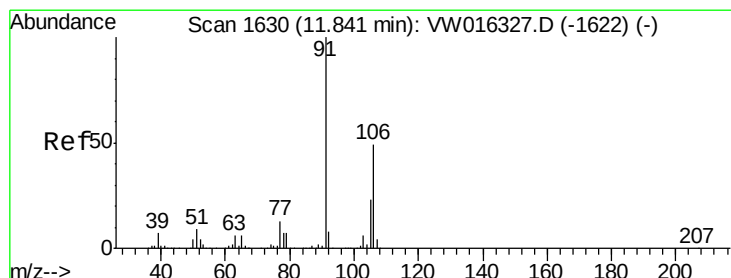
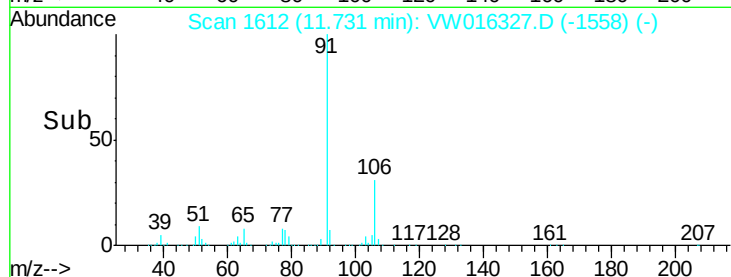
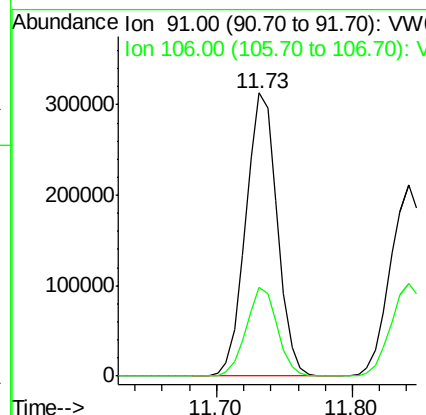
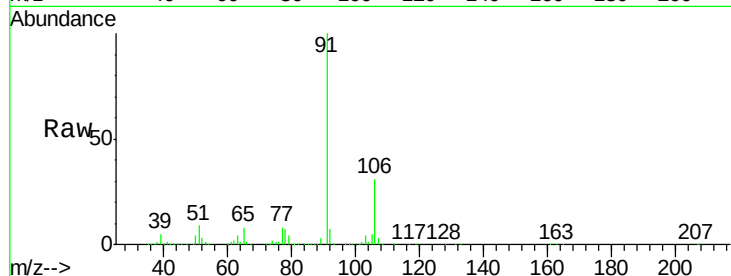




#53
Ethylbenzene
Concen: 25.410 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016327.D
Acq: 24 Aug 2020 13:21

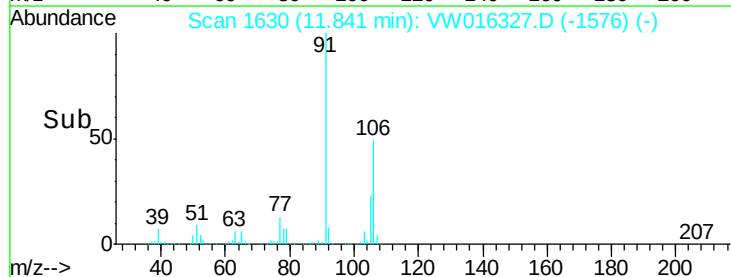
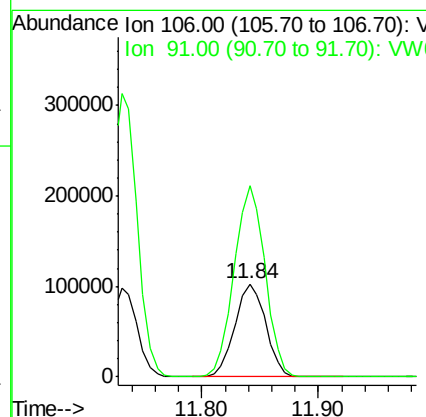
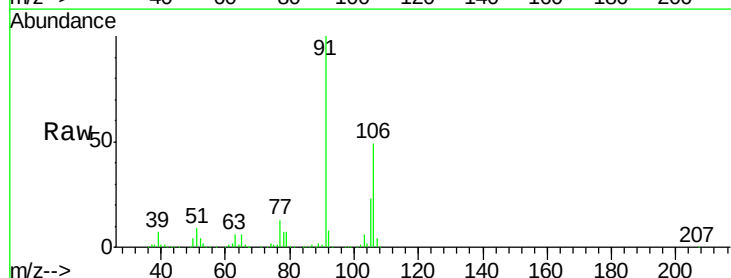
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

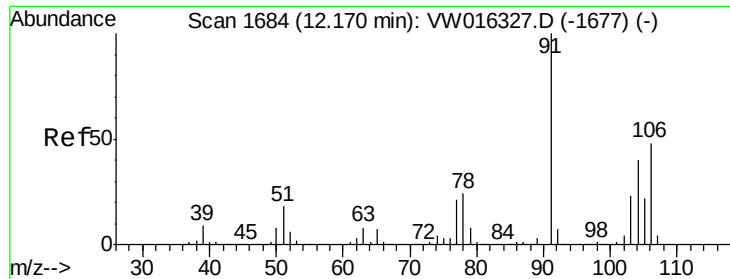
Tgt Ion: 91 Resp: 506477
Ion Ratio Lower Upper
91 100
106 31.2 22.0 41.0



#54
m,p-Xylene
Concen: 24.876 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016327.D
Acq: 24 Aug 2020 13:21

Tgt Ion: 106 Resp: 190557
Ion Ratio Lower Upper
106 100
91 204.3 138.8 257.8

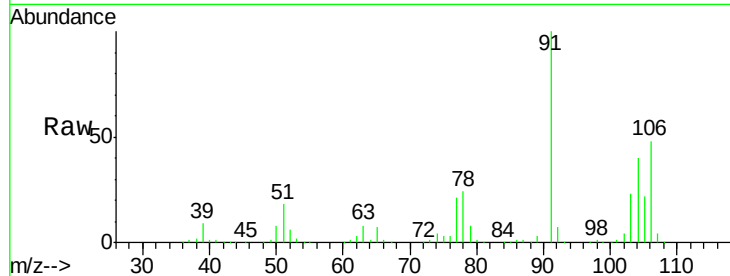




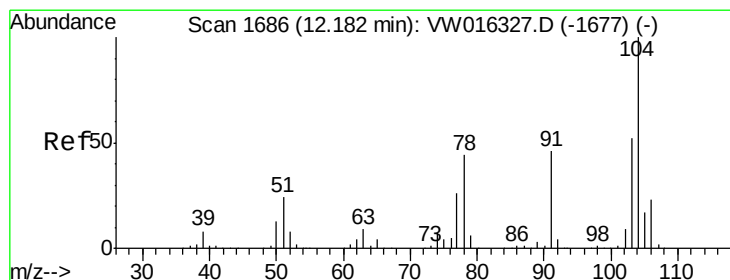
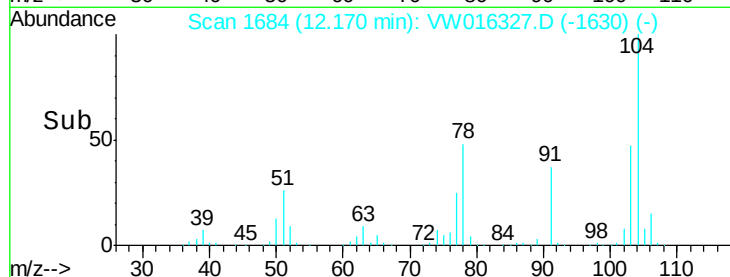
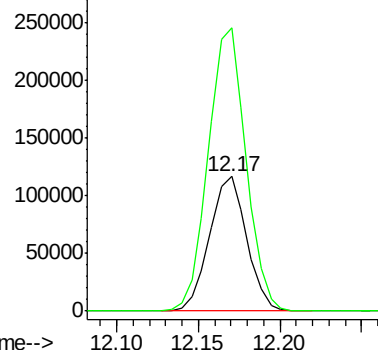
#55
o-xylene
Concen: 25.756 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016327.D
Acq: 24 Aug 2020 13:21

Instrument :
MSVOA_W
ClientSampled :
VSTD02523

Tgt Ion:106 Resp: 185348
Ion Ratio Lower Upper
106 100
91 209.9 151.3 281.1

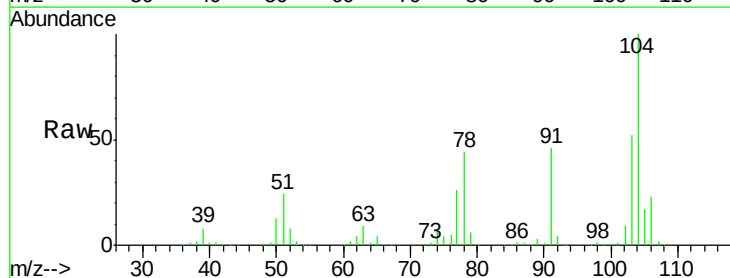


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

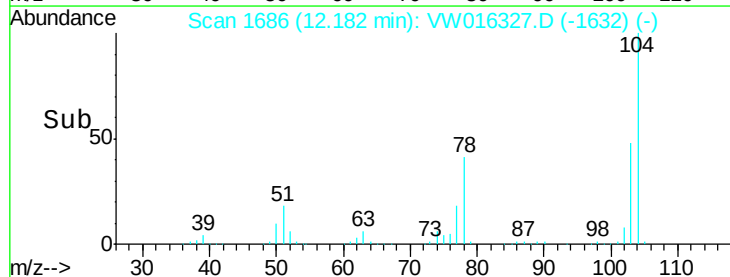
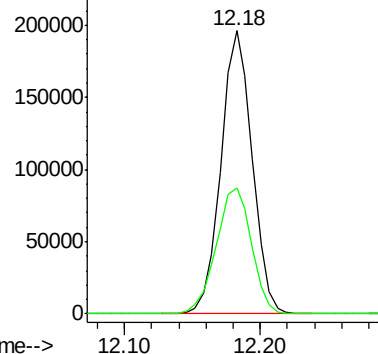


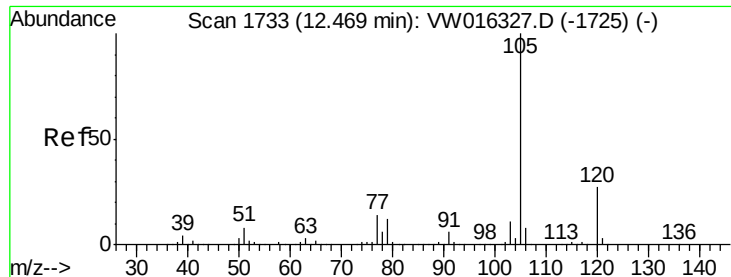
#56
Styrene
Concen: 26.062 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016327.D
Acq: 24 Aug 2020 13:21

Tgt Ion:104 Resp: 315597
Ion Ratio Lower Upper
104 100
78 44.5 30.9 57.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.192 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW016327.D

Acq: 24 Aug 2020 13:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

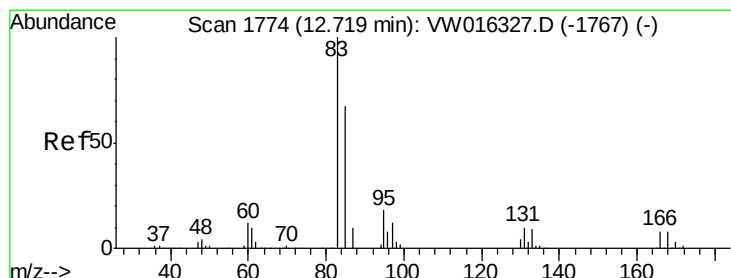
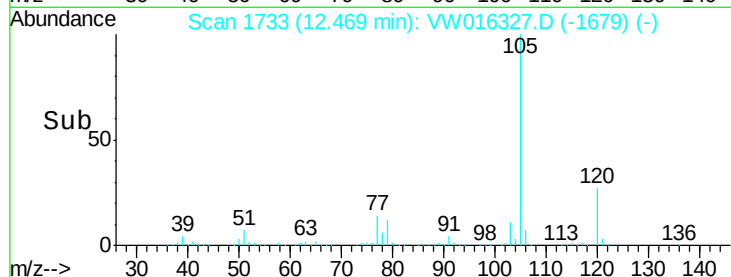
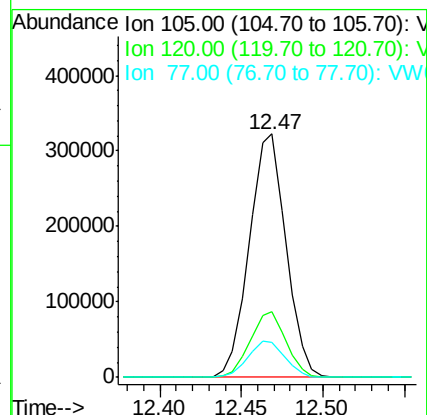
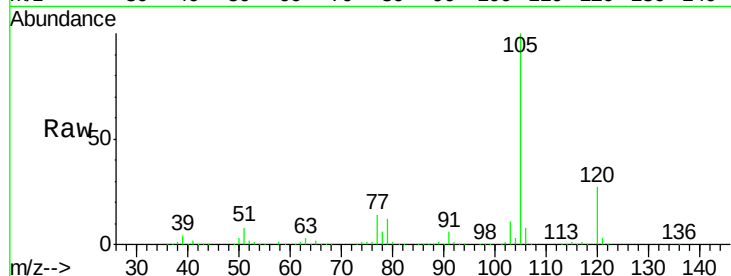
Tgt Ion: 105 Resp: 504679

Ion Ratio Lower Upper

105 100

120 26.5 21.2 31.8

77 15.0 12.2 18.4



#58

1,1,2,2-Tetrachloroethane

Concen: 24.390 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW016327.D

Acq: 24 Aug 2020 13:21

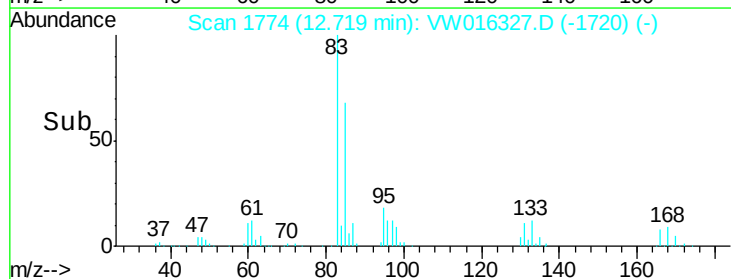
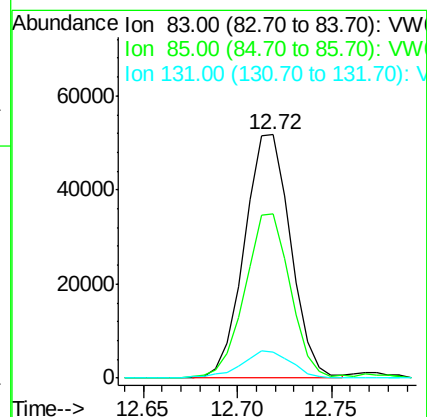
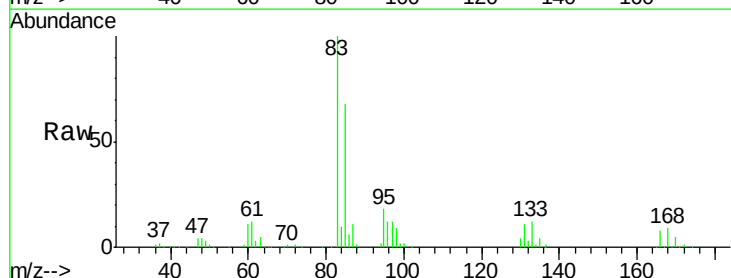
Tgt Ion: 83 Resp: 87952

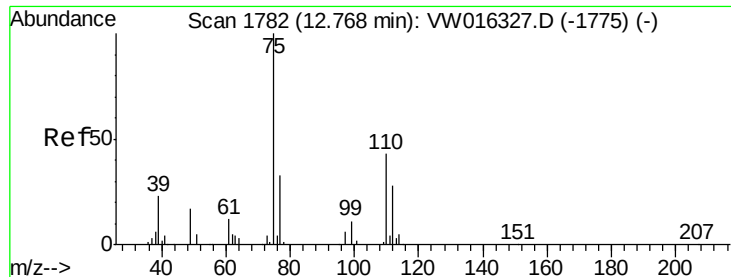
Ion Ratio Lower Upper

83 100

85 67.6 46.0 85.4

131 10.7 8.8 13.2





#59

1,2,3-Trichloropropane

Concen: 24.264 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW016327.D

Acq: 24 Aug 2020 13:21

Instrument :

MSVOA_W

ClientSampleId :

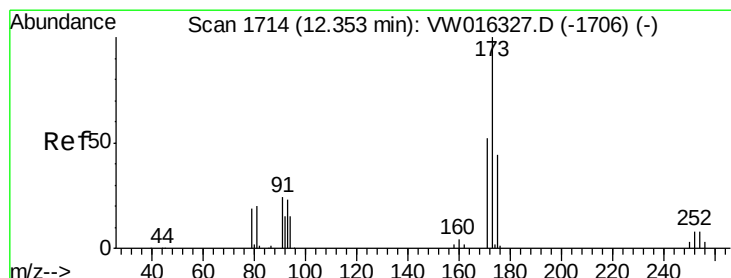
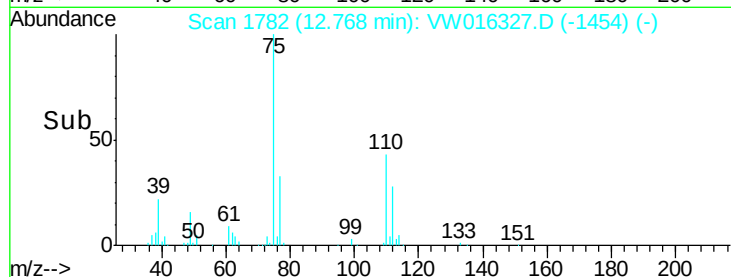
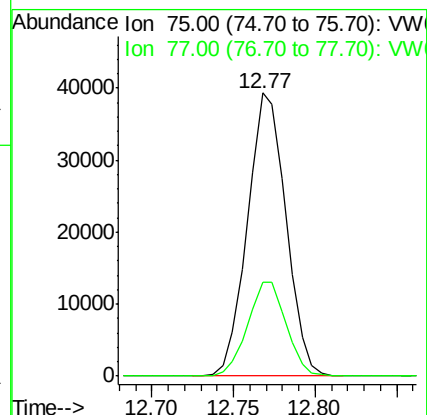
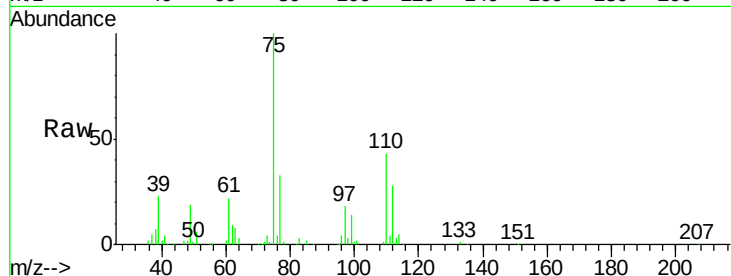
VSTD02523

Tgt Ion: 75 Resp: 64803

Ion Ratio Lower Upper

75 100

77 33.3 27.1 40.7



#62

Bromoform

Concen: 24.777 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW016327.D

Acq: 24 Aug 2020 13:21

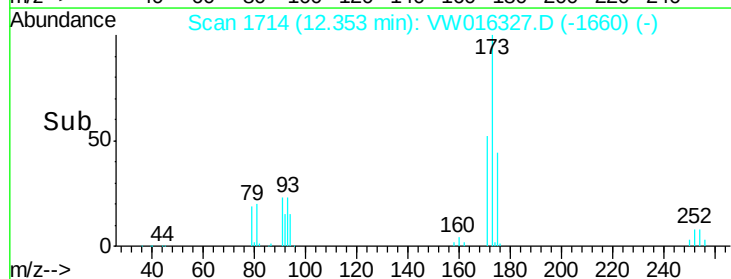
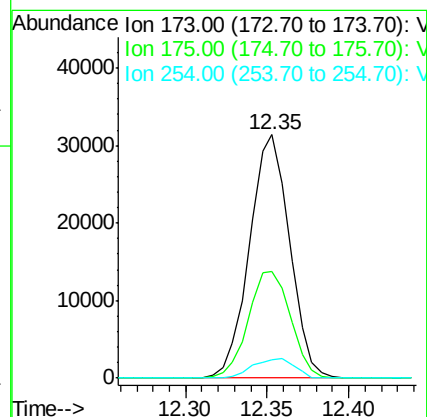
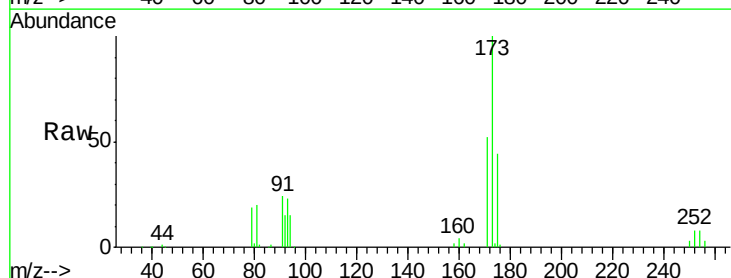
Tgt Ion: 173 Resp: 53845

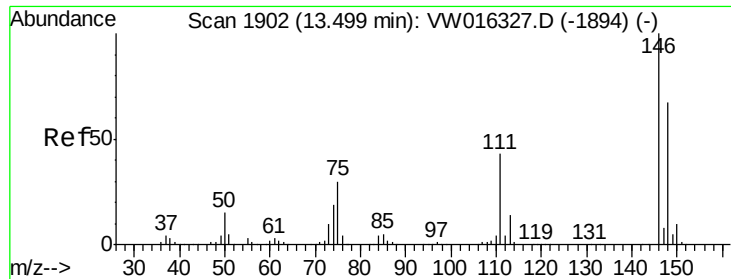
Ion Ratio Lower Upper

173 100

175 46.1 39.0 58.4

254 8.3 6.9 10.3

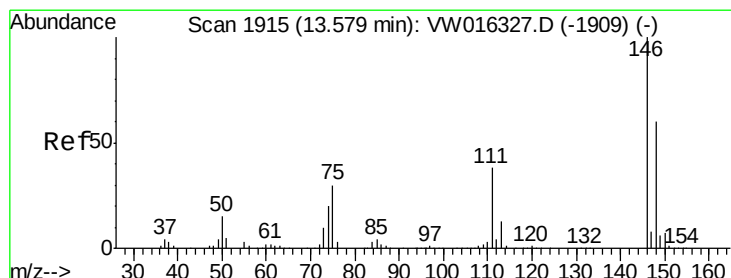
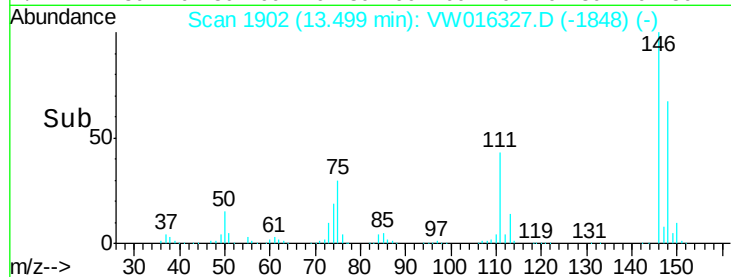
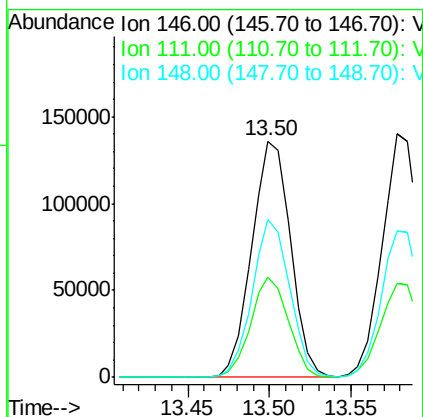
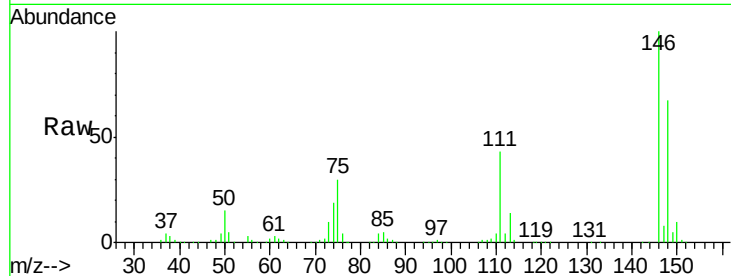




#63
 1,3-Dichlorobenzene
 Concen: 25.000 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016327.D
 Acq: 24 Aug 2020 13:21

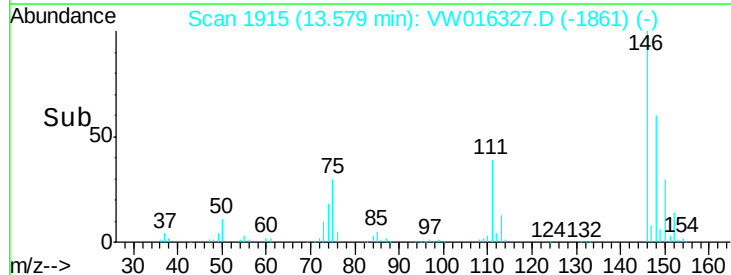
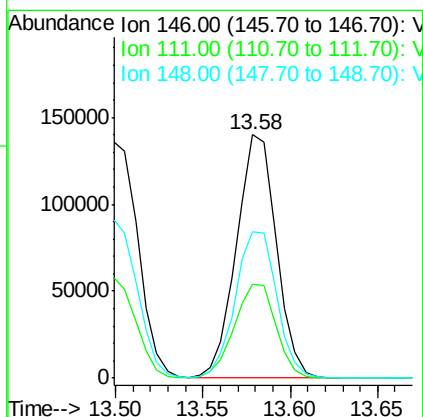
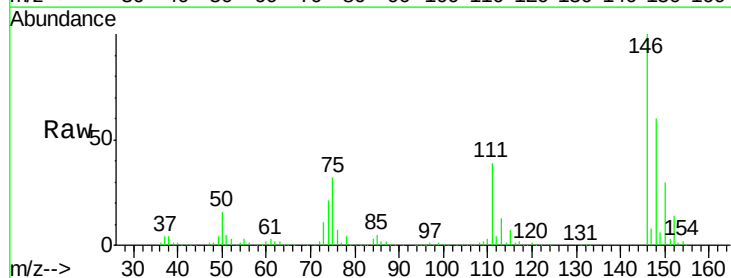
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

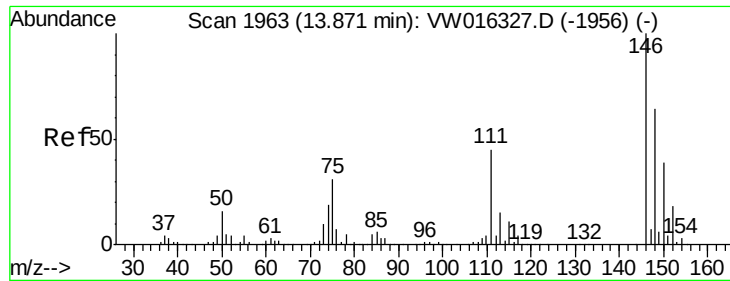
Tgt Ion:146 Resp: 225280
 Ion Ratio Lower Upper
 146 100
 111 42.5 30.2 56.2
 148 66.7 45.1 83.7



#64
 1,4-Dichlorobenzene
 Concen: 24.532 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016327.D
 Acq: 24 Aug 2020 13:21

Tgt Ion:146 Resp: 223949
 Ion Ratio Lower Upper
 146 100
 111 38.7 28.0 52.0
 148 59.9 41.4 76.8

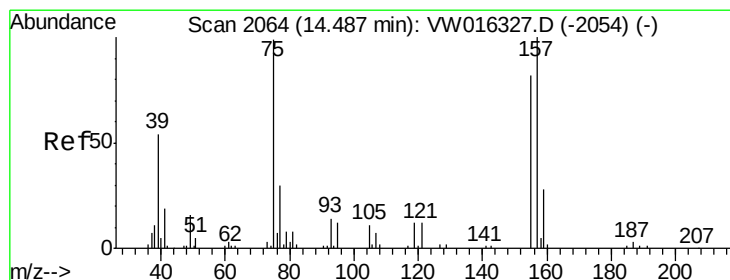
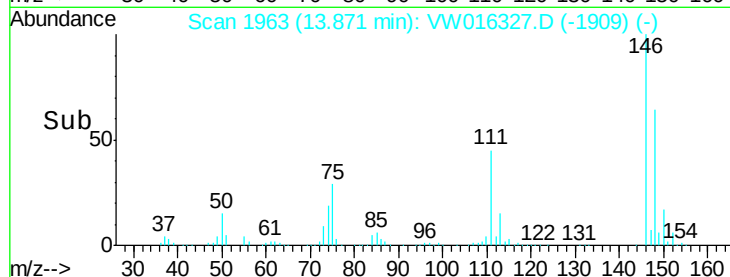
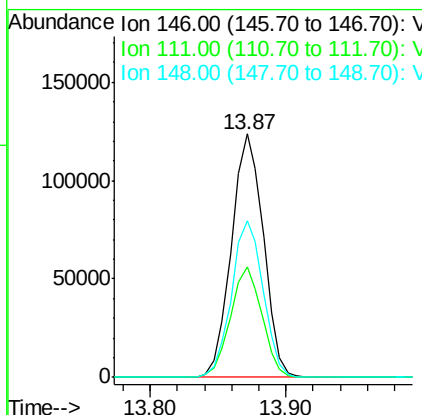
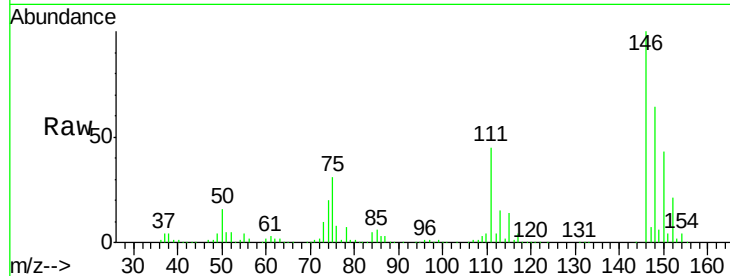




#65
 1,2-Dichlorobenzene
 Concen: 25.104 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016327.D
 Acq: 24 Aug 2020 13:21

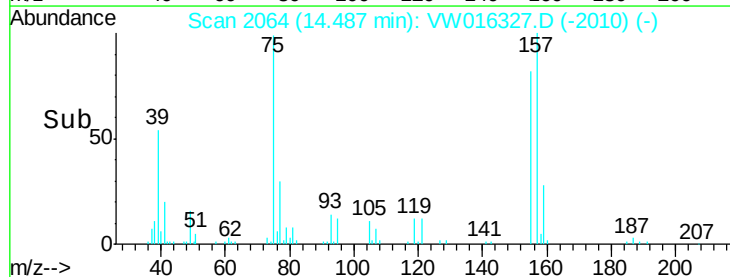
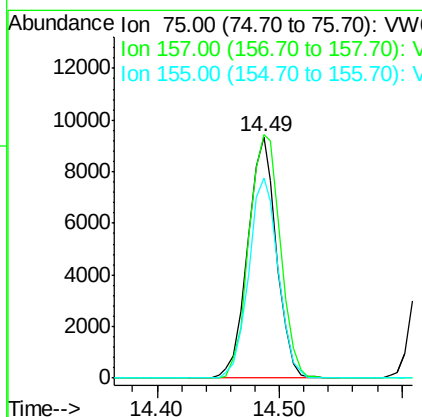
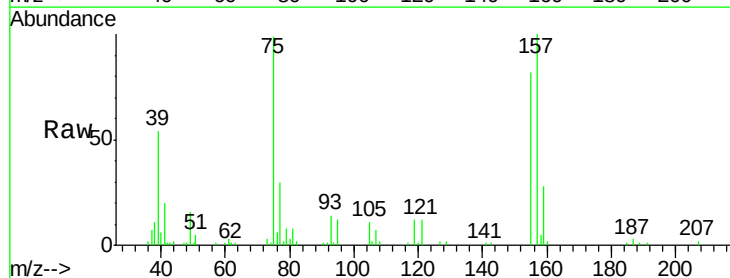
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

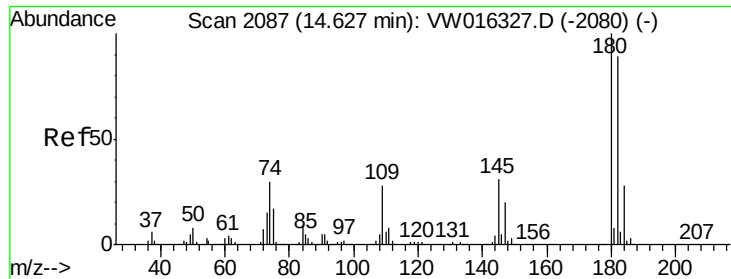
Tgt Ion: 146 Resp: 201997
 Ion Ratio Lower Upper
 146 100
 111 45.1 36.9 55.3
 148 64.3 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.098 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016327.D
 Acq: 24 Aug 2020 13:21

Tgt Ion: 75 Resp: 15243
 Ion Ratio Lower Upper
 75 100
 157 100.8 82.2 123.4
 155 82.8 66.8 100.2

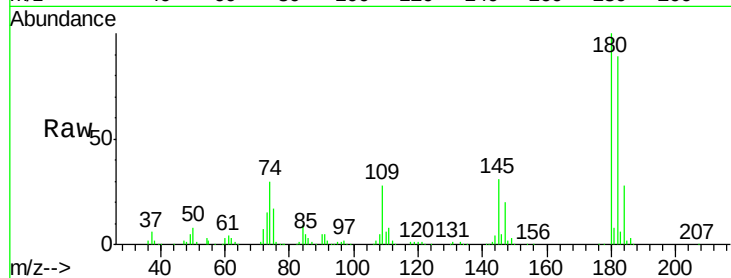




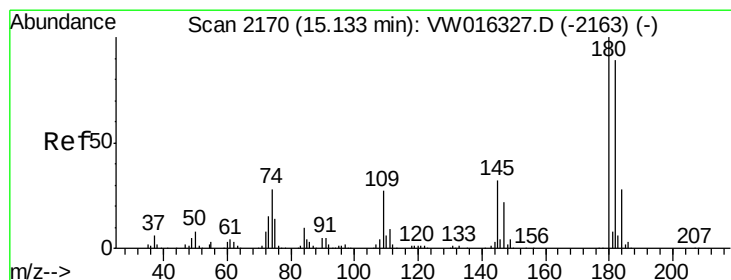
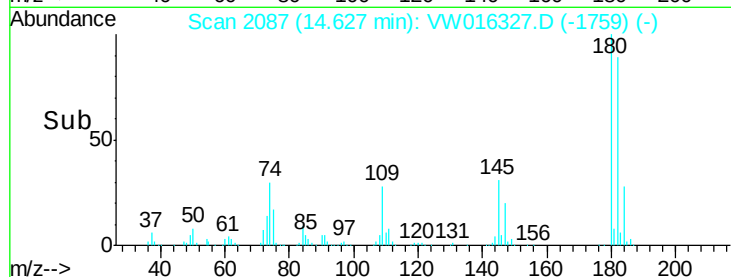
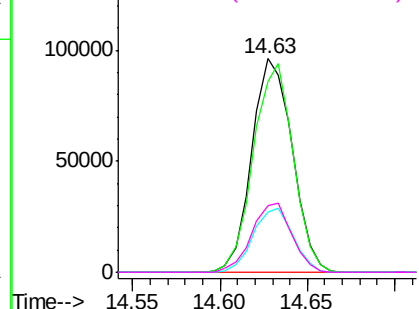
#67
 1,3,5-Trichlorobenzene
 Concen: 24.845 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW016327.D
 Acq: 24 Aug 2020 13:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

Tgt Ion:180 Resp: 154498
 Ion Ratio Lower Upper
 180 100
 182 96.4 77.4 116.2
 184 29.8 24.4 36.6
 145 31.9 25.6 38.4

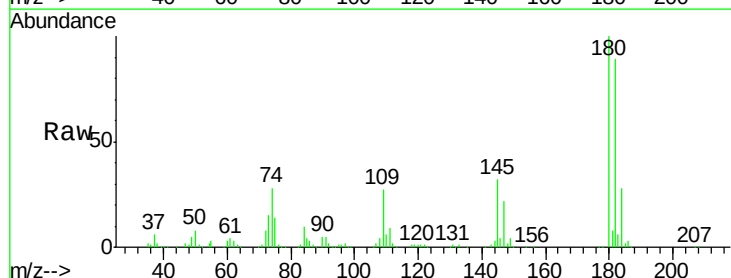


Abundance Ion 180.00 (179.70 to 180.70): V
 150000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

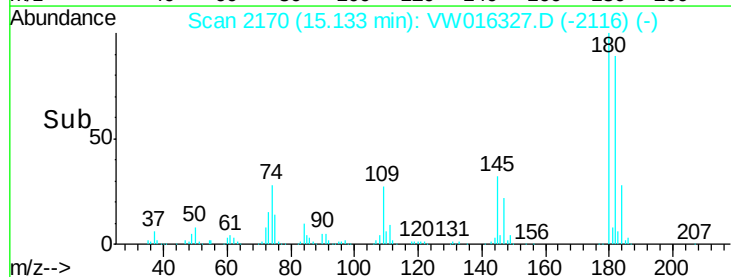
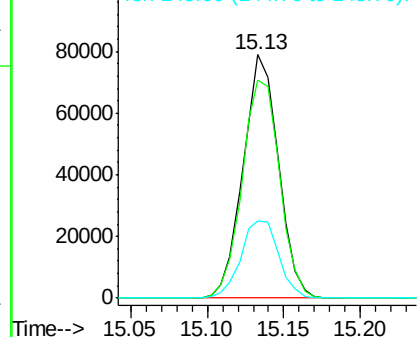


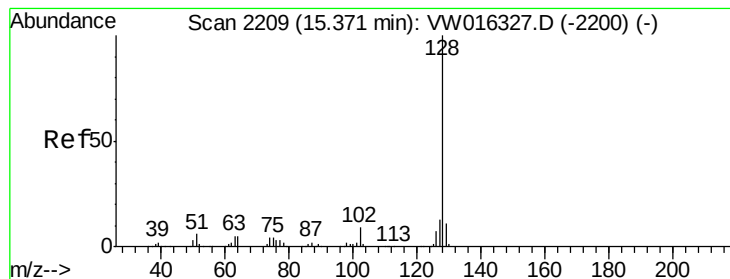
#68
 1,2,4-trichlorobenzene
 Concen: 25.653 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016327.D
 Acq: 24 Aug 2020 13:21

Tgt Ion:180 Resp: 126622
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.5 114.7
 145 34.1 26.0 39.0



Abundance Ion 180.00 (179.70 to 180.70): V
 100000
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

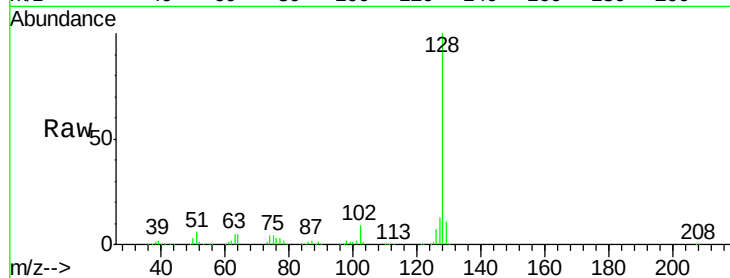




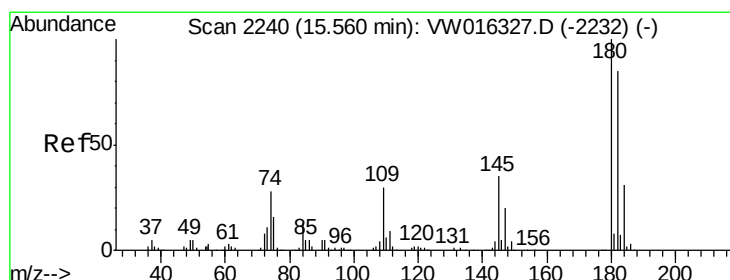
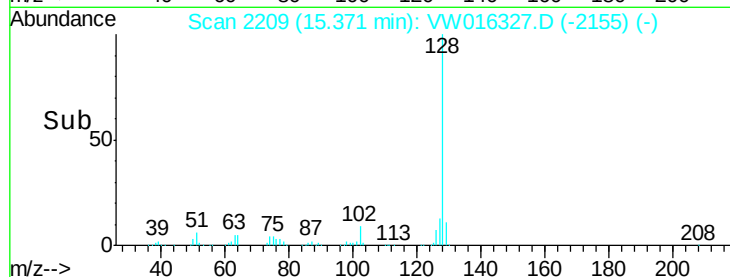
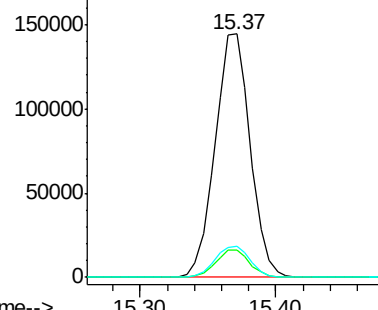
#69
Naphthalene
Concen: 26.903 ug/L
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW016327.D
Acq: 24 Aug 2020 13:21

Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

Tgt Ion:128 Resp: 260858
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 12.9 10.3 15.5

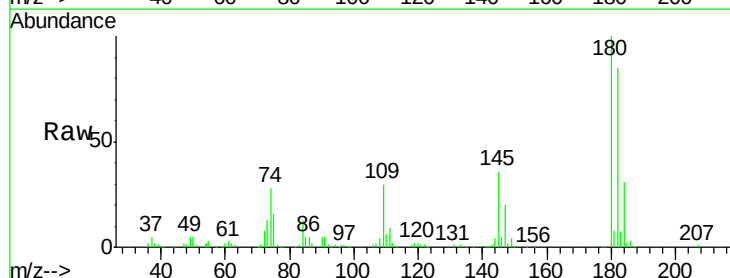


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70
1,2,3-Trichlorobenzene
Concen: 25.792 ug/L
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW016327.D
Acq: 24 Aug 2020 13:21

Tgt Ion:180 Resp: 111969
Ion Ratio Lower Upper
180 100
182 94.2 77.0 115.4
145 35.6 28.6 42.8



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

