

Data File : VW011488.D
Acq On : 25 Jul 2019 09:22
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02519

Quant Time: Jul 26 01:05:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072219S.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 24 01:19:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	420465	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	371640	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	180915	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	124736	22.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.88%
7) Chloroethane-d5	2.89	69	93280	22.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.24%
10) 1,1-Dichloroethene-d2	4.02	63	292688	23.02	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.08%
20) 2-Butanone-d5	7.07	46	131041	54.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.64%
24) Chloroform-d	7.65	84	255575	23.74	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.96%
26) 1,2-Dichloroethane-d4	8.31	65	152245	23.78	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.12%
29) Benzene-d6	8.27	84	516443	23.24	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.96%
33) 1,2-Dichloropropane-d6	9.27	67	169331	23.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.04%
37) Toluene-d8	10.32	98	462938	23.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.96%
38) trans-1,3-Dichloropropene-	10.58	79	75331	24.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.84%
39) 2-Hexanone-d5	10.92	63	90009	57.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.30%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	149138	25.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.68%
61) 1,2-Dichlorobenzene-d4	13.85	152	158210	23.29	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.16%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	139641	27.225	ug/L 100
3) Chloromethane	2.21	50	140948	22.649	ug/L 97
5) Vinyl chloride	2.36	62	187569	25.592	ug/L 99
6) Bromomethane	2.78	94	85770	24.240	ug/L 99
8) Chloroethane	2.92	64	96527	24.733	ug/L 99
9) Trichlorofluoromethane	3.25	101	90284	25.900	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	142062	25.394	ug/L 99
12) 1,1-Dichloroethene	4.04	96	142125	25.449	ug/L 94
13) Acetone	4.12	43	152056	60.129	ug/L 99
14) Carbon disulfide	4.39	76	444035	24.522	ug/L 99
15) Methyl Acetate	4.67	43	110023	28.335	ug/L 100
16) Methylene chloride	4.92	84	152341	24.890	ug/L 98
17) Methyl tert-butyl Ether	5.42	73	234397	26.547	ug/L 100
18) trans-1,2-Dichloroethene	5.42	96	144389	25.071	ug/L 99
19) 1,1-Dichloroethane	6.21	63	285923	24.994	ug/L 97
21) 2-Butanone	7.17	43	184554	56.789	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	153109	25.096	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	64079	25.131	ug/L	97
25) Chloroform	7.67	83	259495	24.625	ug/L	99
27) 1,2-Dichloroethane	8.40	62	193502	25.194	ug/L	99
30) Cyclohexane	7.95	56	307409	25.394	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	204615	24.733	ug/L	99
32) Carbon tetrachloride	8.06	117	192123	24.990	ug/L	99
34) Benzene	8.32	78	607930	25.199	ug/L	100
35) Trichloroethene	9.09	95	151163	24.653	ug/L	99
36) Methylcyclohexane	9.34	83	285726	25.627	ug/L	99
40) 1,2-Dichloropropane	9.37	63	160858	24.818	ug/L	100
41) Bromodichloromethane	9.64	83	186982	24.674	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	245508	25.213	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	308180	55.541	ug/L	99
44) Toluene	10.38	91	621369	25.111	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	201925	25.232	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	108941	25.110	ug/L	98
47) Tetrachloroethene	10.86	164	118502	25.191	ug/L	96
49) 2-Hexanone	10.97	43	253168	60.446	ug/L	99
50) Dibromochloromethane	11.13	129	122780	25.566	ug/L	97
51) 1,2-Dibromoethane	11.23	107	108125	25.770	ug/L	99
52) Chlorobenzene	11.66	112	369702	24.775	ug/L	99
53) Ethylbenzene	11.73	91	698324	25.075	ug/L	99
54) m,p-Xylene	11.83	106	255197	25.021	ug/L	99
55) o-xylene	12.16	106	241566	25.129	ug/L	99
56) Styrene	12.18	104	416783	25.773	ug/L	100
57) Isopropylbenzene	12.46	105	671407	25.642	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	149897	26.598	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	114112	26.501	ug/L	99
62) Bromoform	12.35	173	73312	25.602	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	285982	24.963	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	284987	24.492	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	259156	24.585	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	26484	26.358	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	220350	25.213	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	184411	25.461	ug/L	99
69) Naphthalene	15.37	128	394025	26.725	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	164034	24.999	ug/L	99

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

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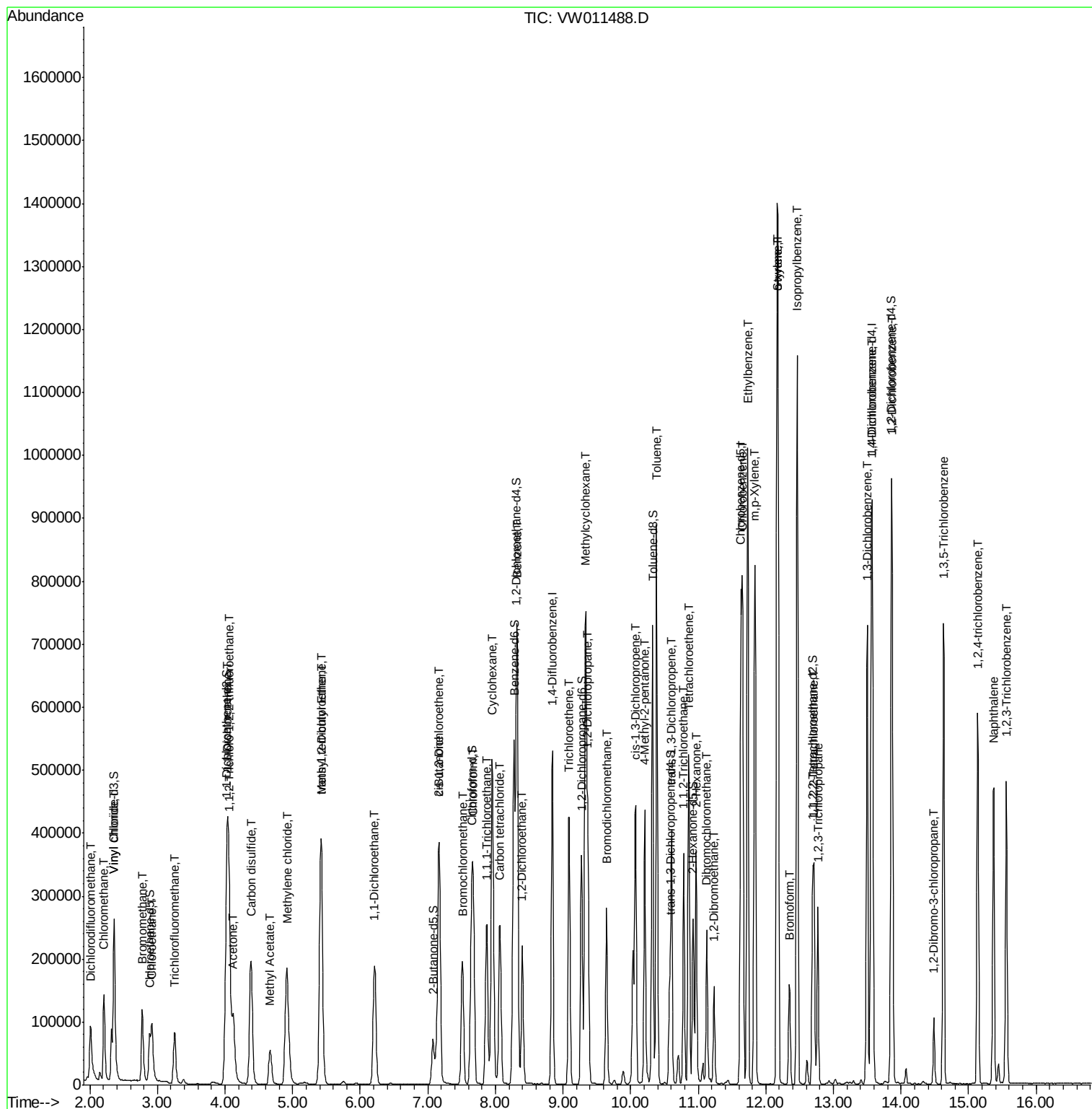
Quant Time: Jul 26 01:05:05 2019

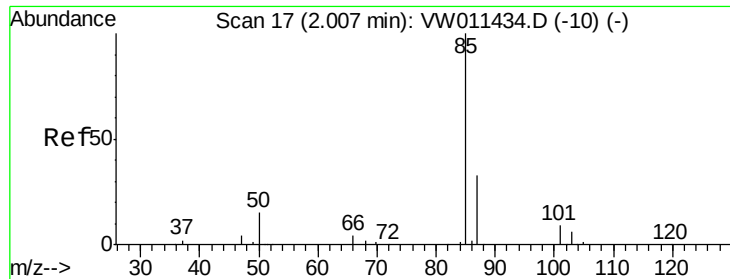
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072219S.M

Quant Title : VOC Analysis

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#2

Dichlorodifluoromethane

Concen: 27.225 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW011488.D

Acq: 25 Jul 2019 09:22

Instrument :

MSVOA_W

ClientSampled :

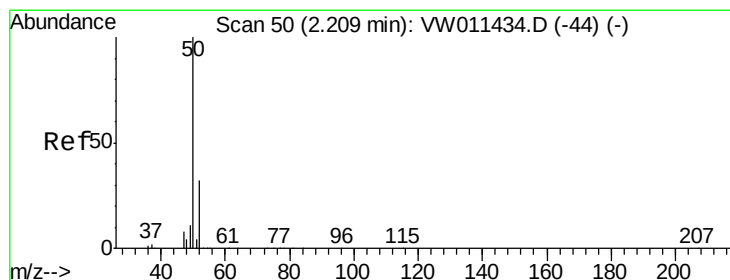
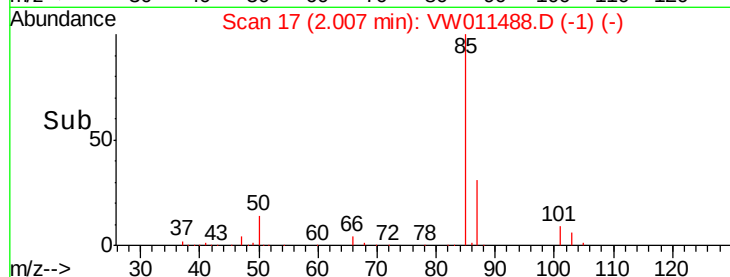
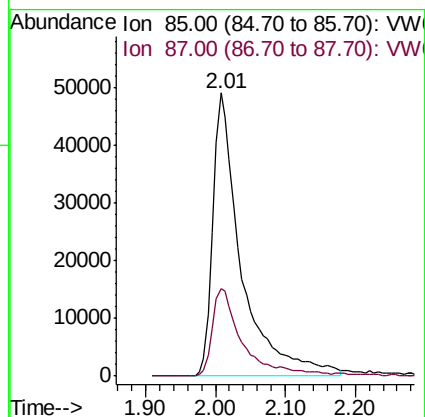
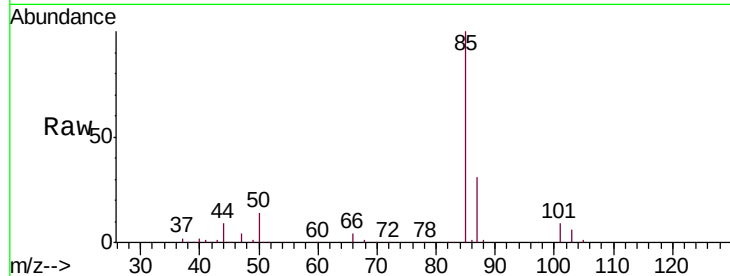
VSTD02519

Tgt Ion: 85 Resp: 139641

Ion Ratio Lower Upper

85 100

87 29.5 20.6 38.2



#3

Chloromethane

Concen: 22.649 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW011488.D

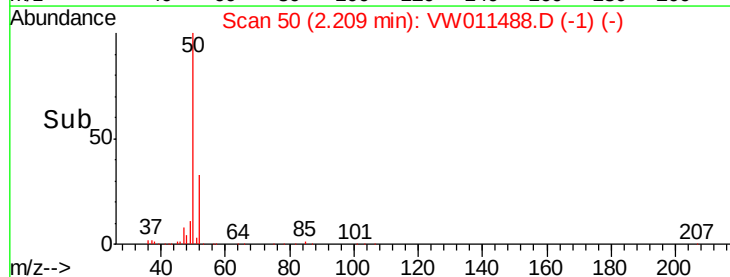
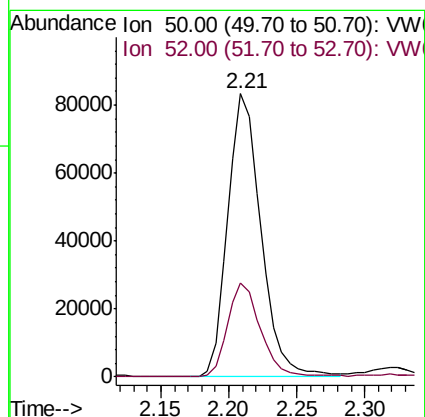
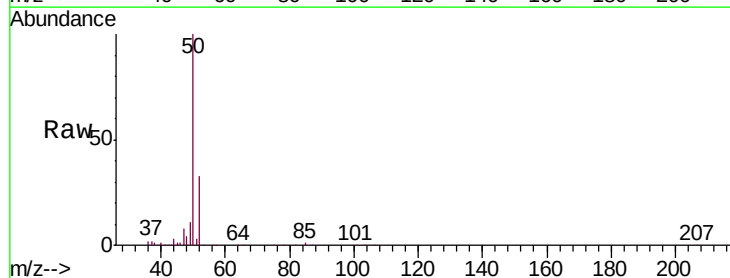
Acq: 25 Jul 2019 09:22

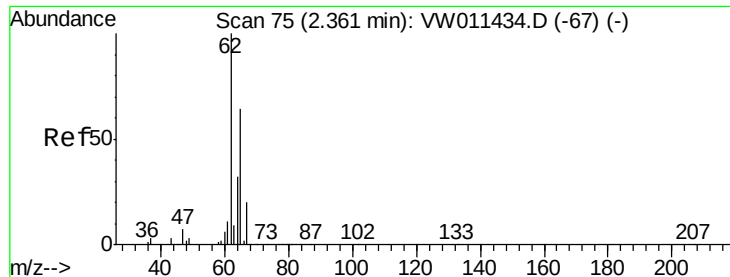
Tgt Ion: 50 Resp: 140948

Ion Ratio Lower Upper

50 100

52 33.0 22.0 41.0





#5

Vinyl chloride

Concen: 25.592 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011488.D

Acq: 25 Jul 2019 09:22

Instrument :

MSVOA_W

ClientSampled :

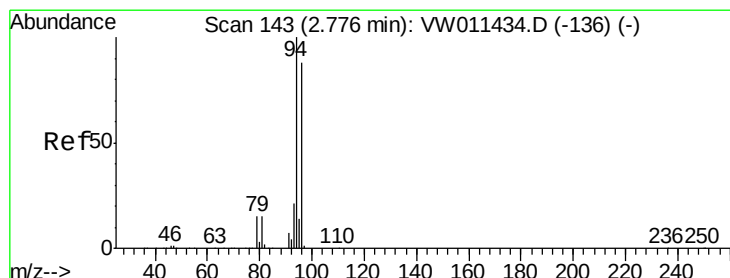
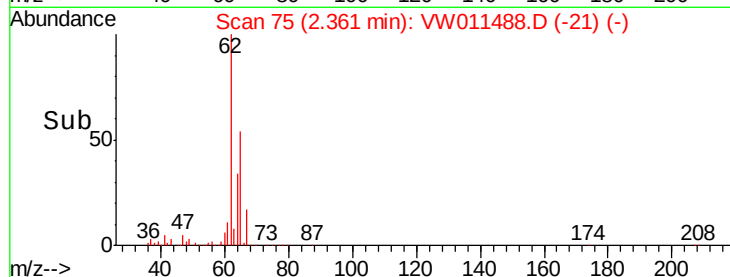
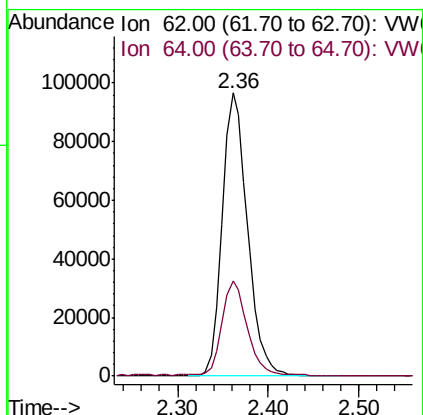
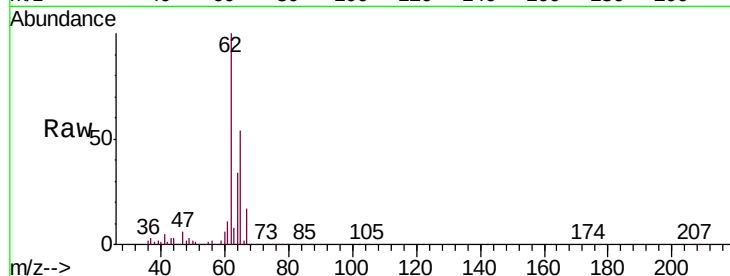
VSTD02519

Tgt Ion: 62 Resp: 187569

Ion Ratio Lower Upper

62 100

64 33.8 23.3 43.3



#6

Bromomethane

Concen: 24.240 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW011488.D

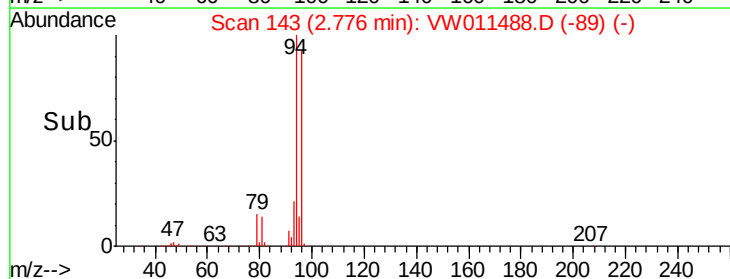
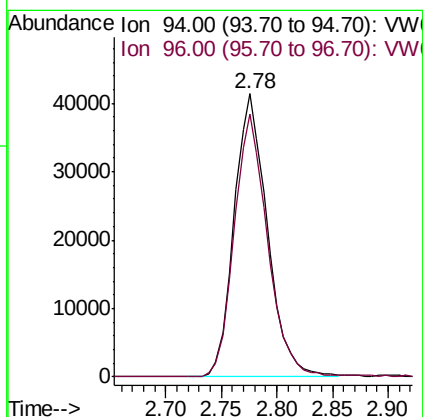
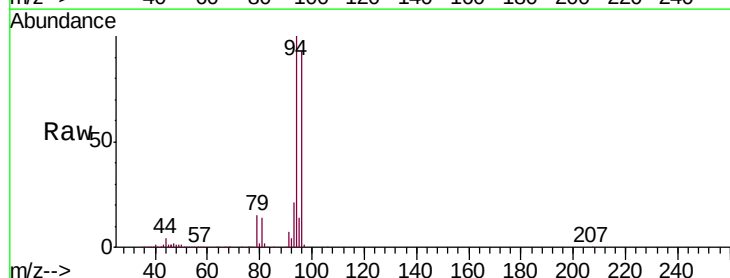
Acq: 25 Jul 2019 09:22

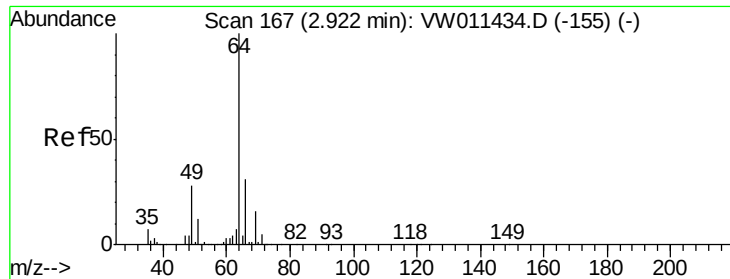
Tgt Ion: 94 Resp: 85770

Ion Ratio Lower Upper

94 100

96 92.7 9.4 178.8





#8

Chloroethane

Concen: 24.733 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW011488.D

Acq: 25 Jul 2019 09:22

Instrument :

MSVOA_W

ClientSampleId :

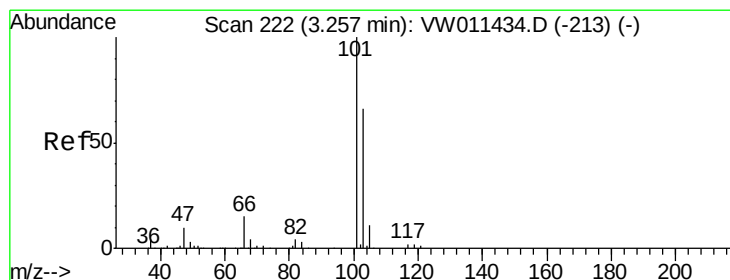
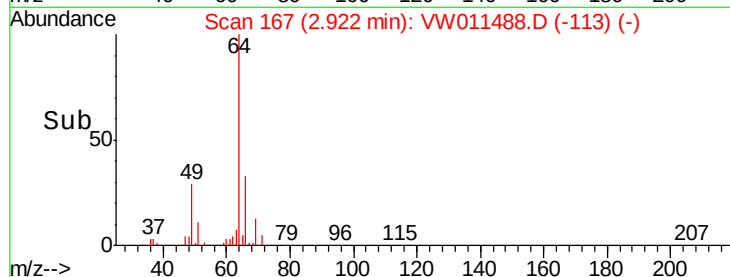
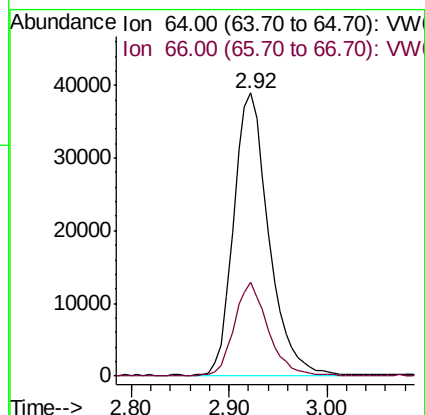
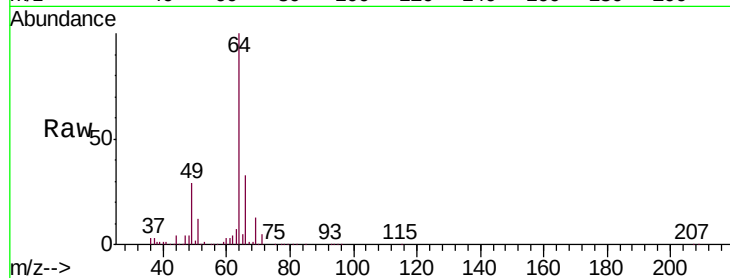
VSTD02519

Tgt Ion: 64 Resp: 96527

Ion Ratio Lower Upper

64 100

66 33.0 22.7 42.3



#9

Trichlorofluoromethane

Concen: 25.900 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW011488.D

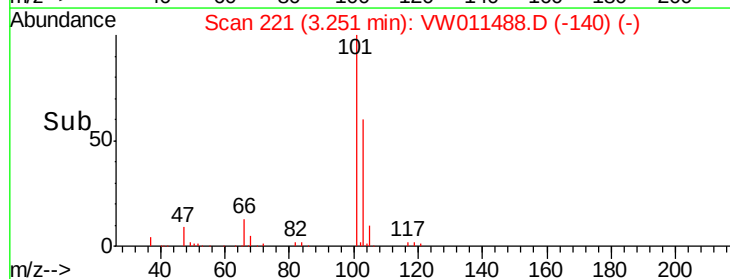
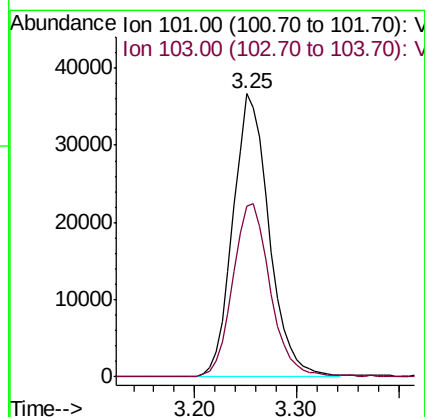
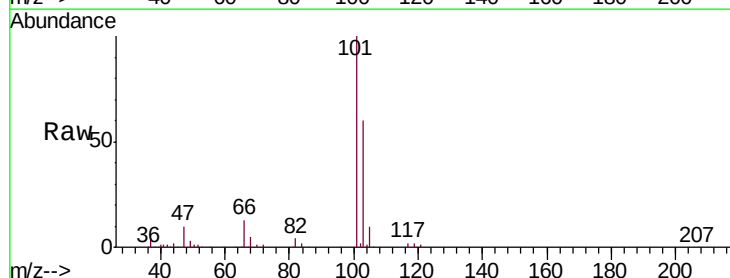
Acq: 25 Jul 2019 09:22

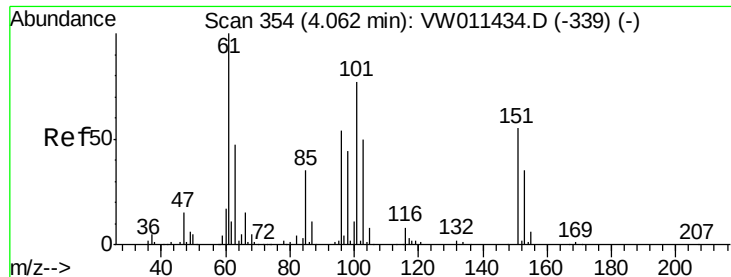
Tgt Ion: 101 Resp: 90284

Ion Ratio Lower Upper

101 100

103 63.5 45.2 84.0





#11

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

Concen: 25.394 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW011488.D

Acq: 25 Jul 2019 09:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02519

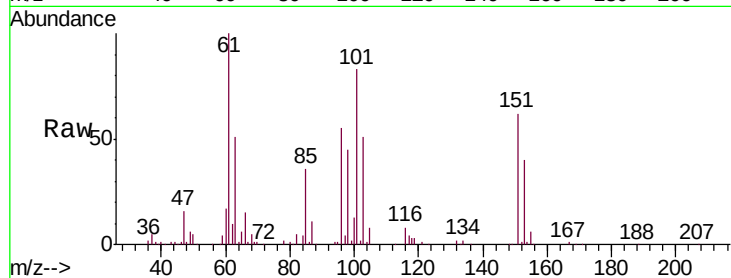
Tgt Ion: 101 Resp: 142062

Ion Ratio Lower Upper

101 100

85 43.2 35.2 52.8

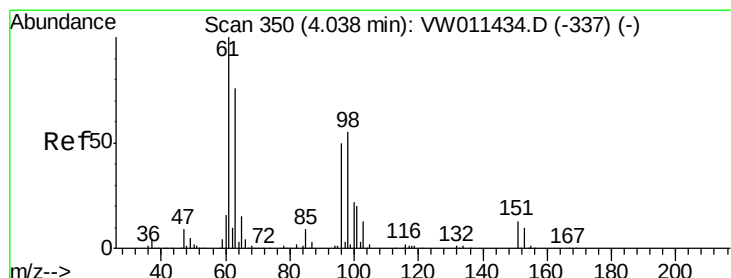
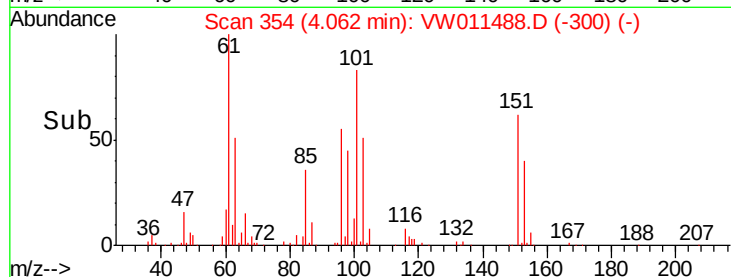
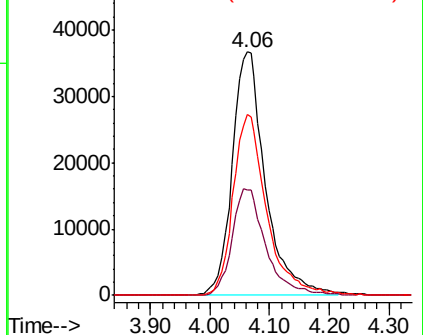
151 73.9 58.6 87.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.449 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW011488.D

Acq: 25 Jul 2019 09:22

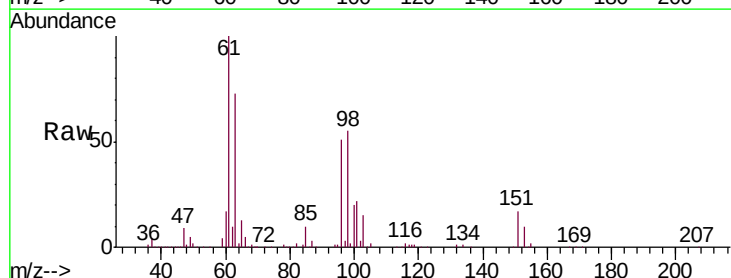
Tgt Ion: 96 Resp: 142125

Ion Ratio Lower Upper

96 100

61 194.6 133.2 247.4

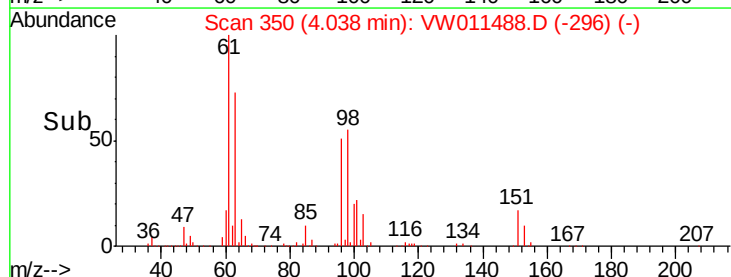
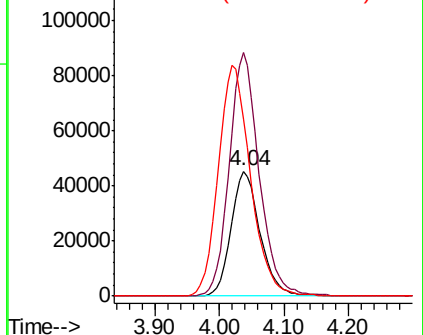
63 141.9 89.9 166.9

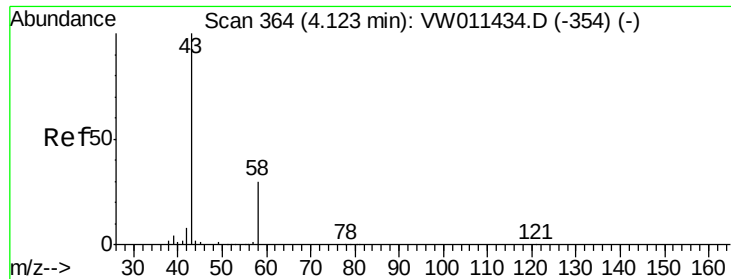


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

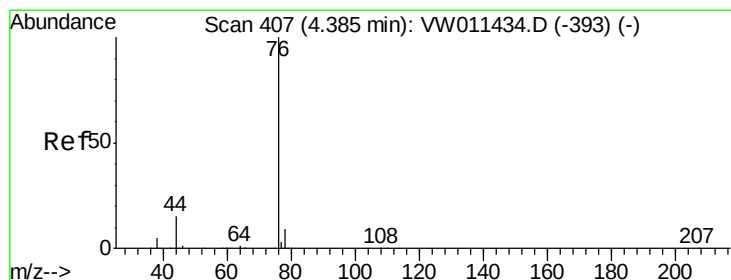
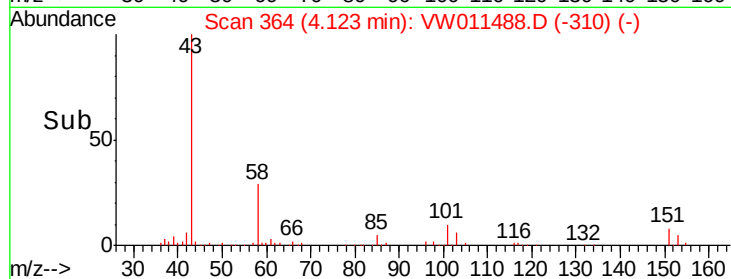
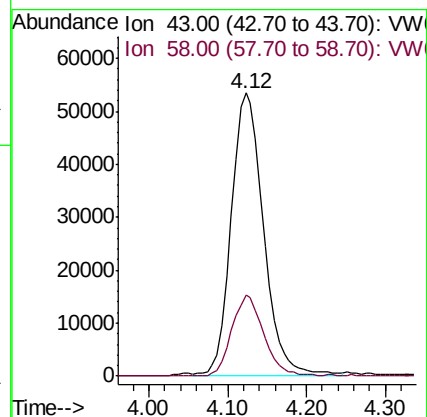
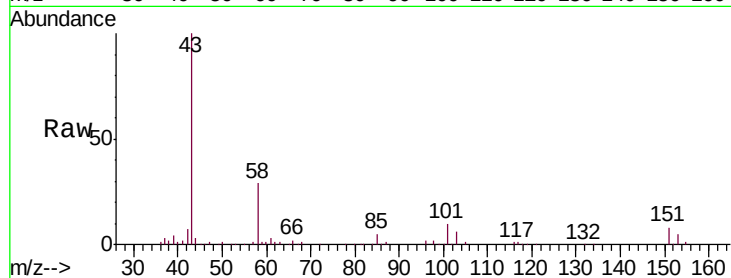




#13
Acetone
Concen: 60.129 ug/L
RT: 4.12 min Scan# 364
Delta R.T. -0.00 min
Lab File: VW011488.D
Acq: 25 Jul 2019 09:22

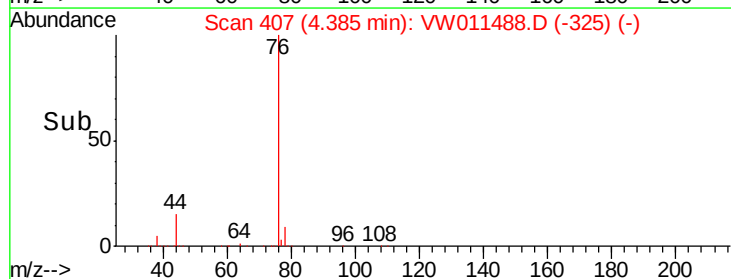
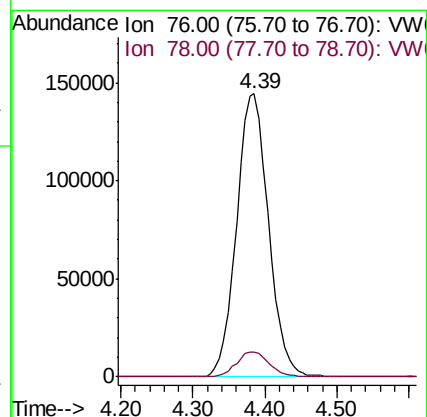
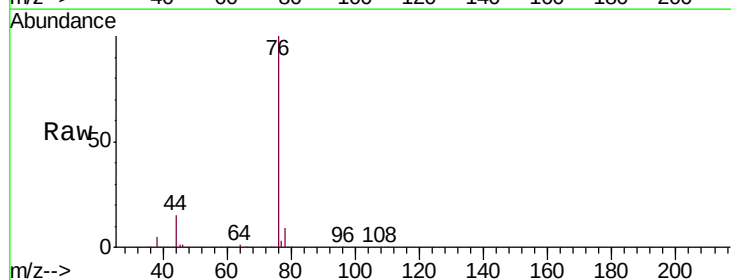
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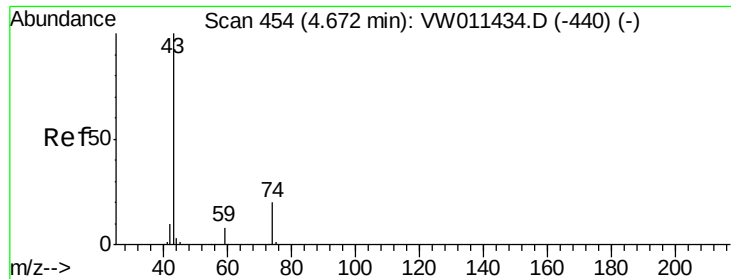
Tgt Ion: 43 Resp: 152056
Ion Ratio Lower Upper
43 100
58 27.8 0.0 57.2



#14
Carbon disulfide
Concen: 24.522 ug/L
RT: 4.39 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW011488.D
Acq: 25 Jul 2019 09:22

Tgt Ion: 76 Resp: 444035
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9

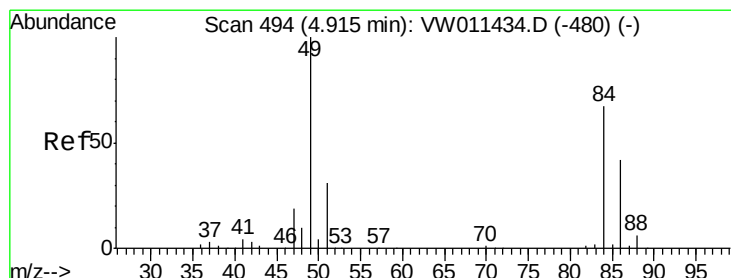
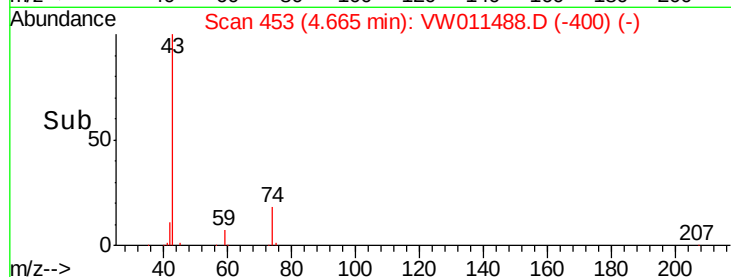
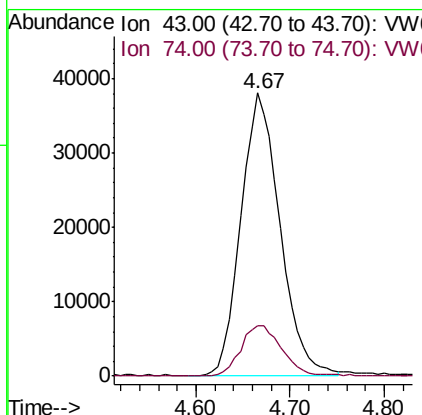
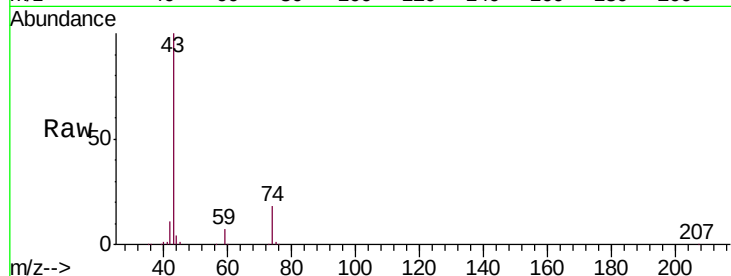




#15
Methyl Acetate
Concen: 28.335 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW011488.D
Acq: 25 Jul 2019 09:22

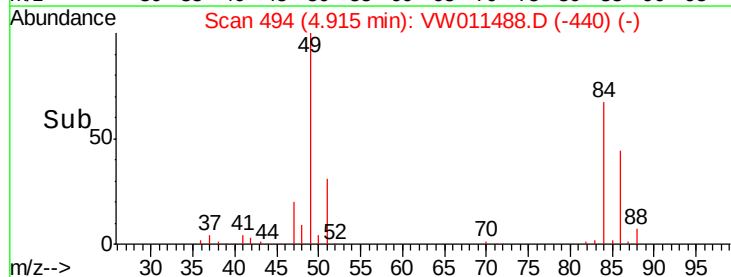
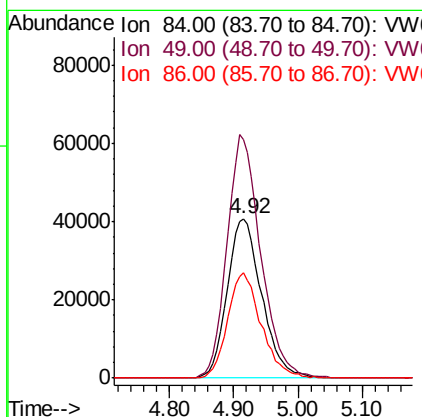
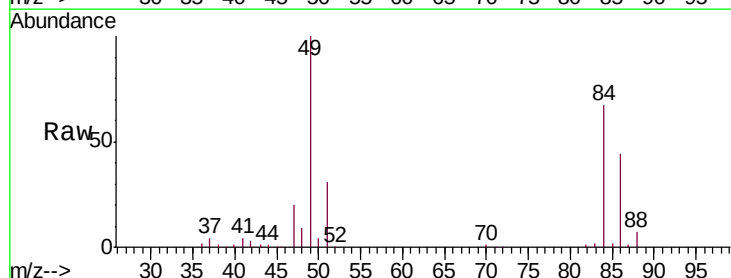
Instrument :
MSVOA_W
ClientSampleId :
VSTD02519

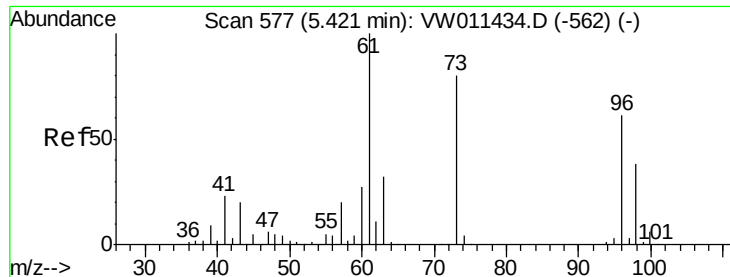
Tgt Ion: 43 Resp: 110023
Ion Ratio Lower Upper
43 100
74 19.0 15.2 22.8



#16
Methylene chloride
Concen: 24.890 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW011488.D
Acq: 25 Jul 2019 09:22

Tgt Ion: 84 Resp: 152341
Ion Ratio Lower Upper
84 100
49 149.6 104.0 193.2
86 66.4 44.0 81.8

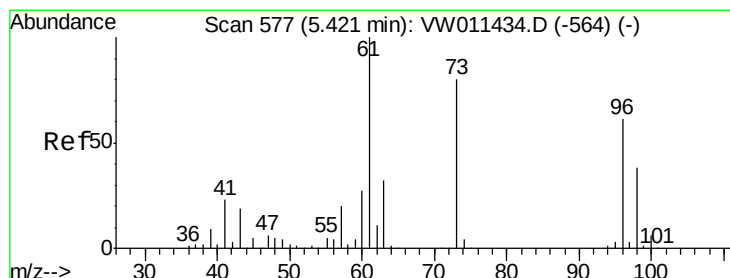
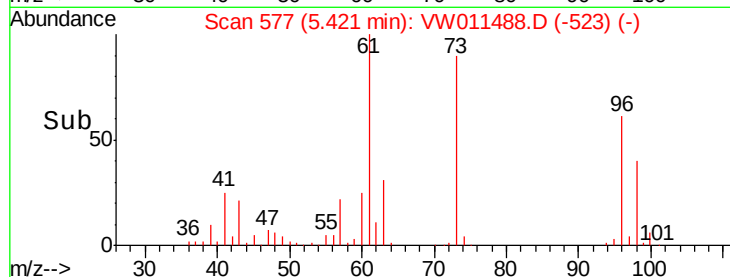
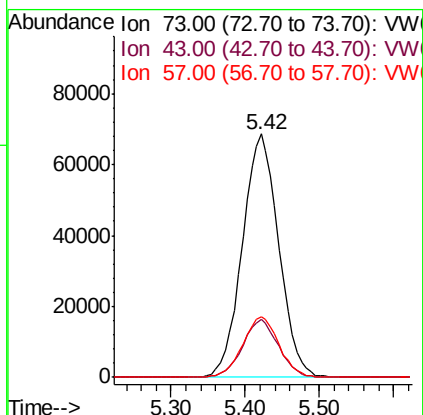
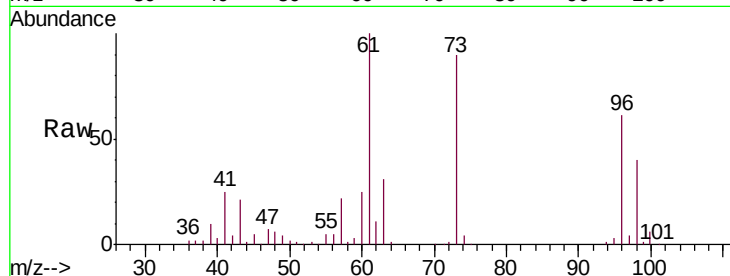




#17
Methyl tert-butyl Ether
Concen: 26.547 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011488.D
Acq: 25 Jul 2019 09:22

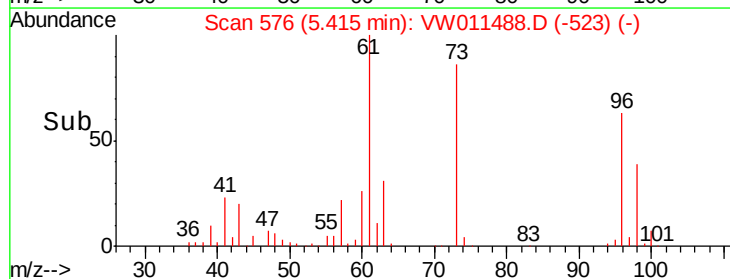
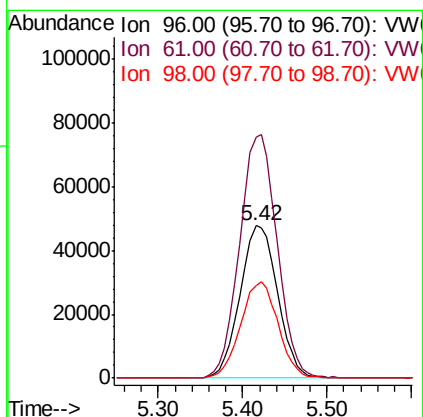
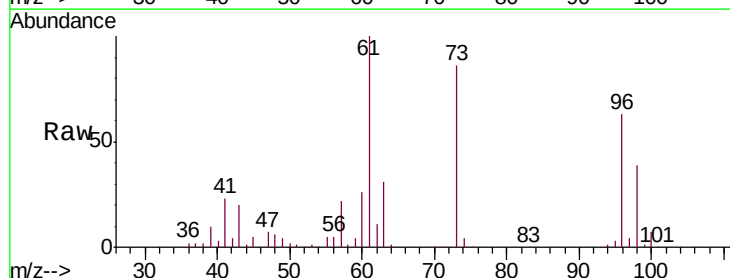
Instrument :
MSVOA_W
ClientSampleId :
VSTD02519

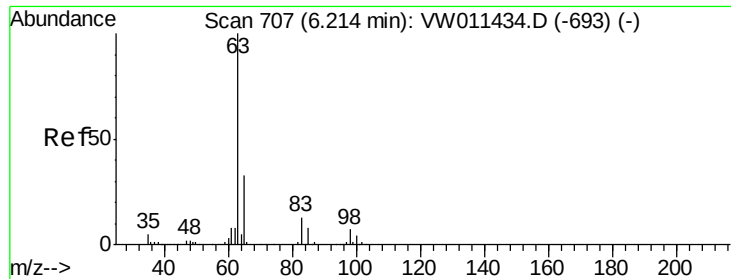
Tgt Ion: 73 Resp: 234397
Ion Ratio Lower Upper
73 100
43 23.6 19.0 28.4
57 24.8 19.8 29.6



#18
trans-1,2-Dichloroethene
Concen: 25.071 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW011488.D
Acq: 25 Jul 2019 09:22

Tgt Ion: 96 Resp: 144389
Ion Ratio Lower Upper
96 100
61 158.5 111.7 207.5
98 61.1 43.4 80.6





#19

1,1-Dichloroethane

Concen: 24.994 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW011488.D

Acq: 25 Jul 2019 09:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02519

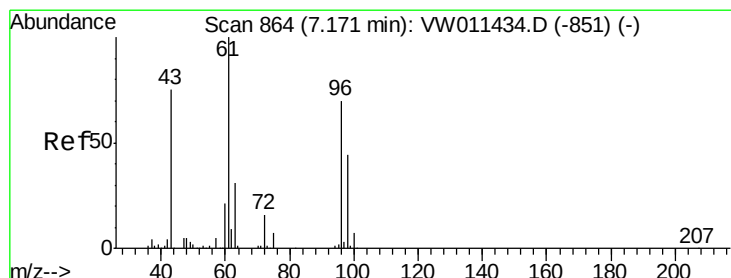
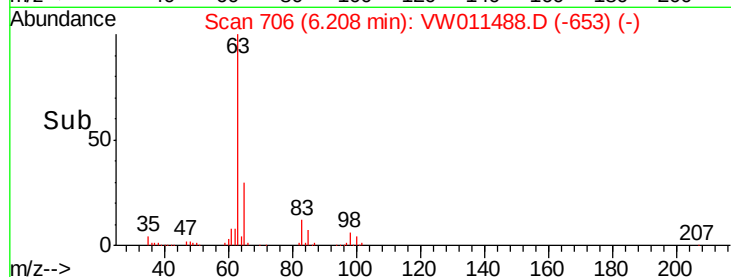
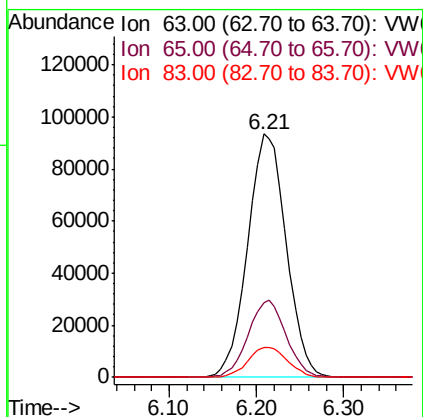
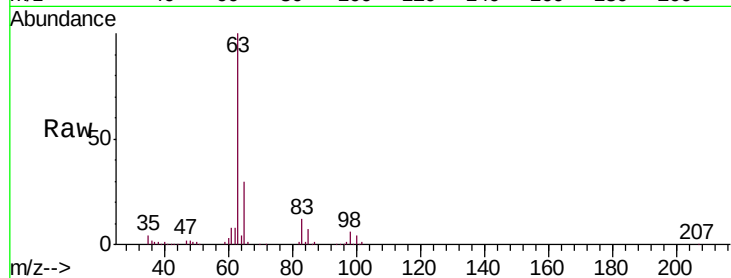
Tgt Ion: 63 Resp: 285923

Ion Ratio Lower Upper

63 100

65 30.5 22.8 42.4

83 12.2 8.6 16.0



#21

2-Butanone

Concen: 56.789 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW011488.D

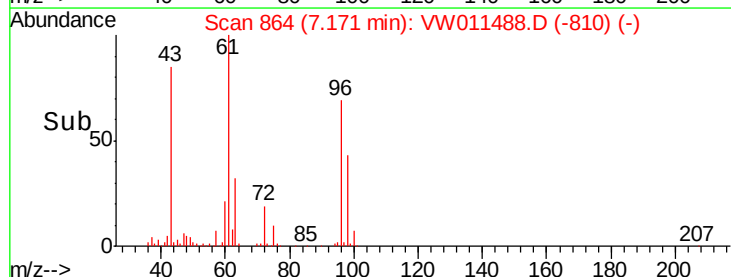
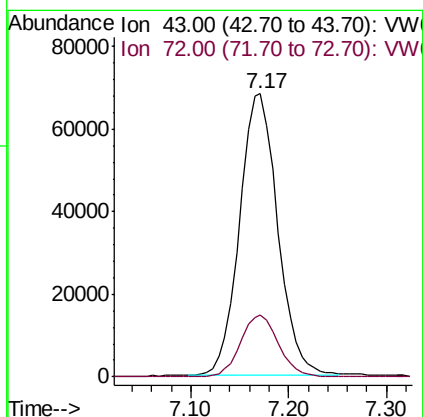
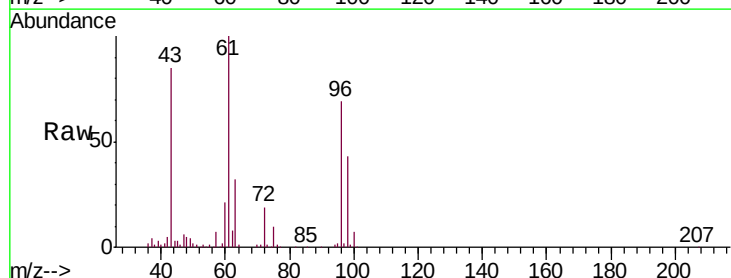
Acq: 25 Jul 2019 09:22

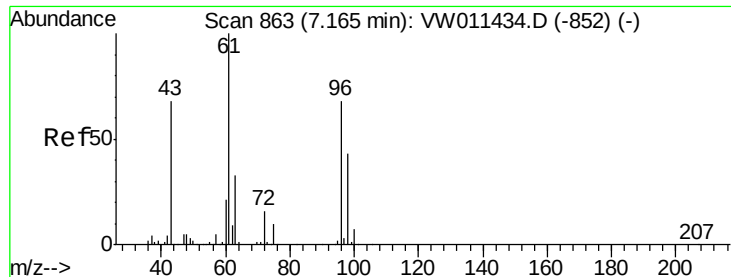
Tgt Ion: 43 Resp: 184554

Ion Ratio Lower Upper

43 100

72 22.1 10.5 31.6



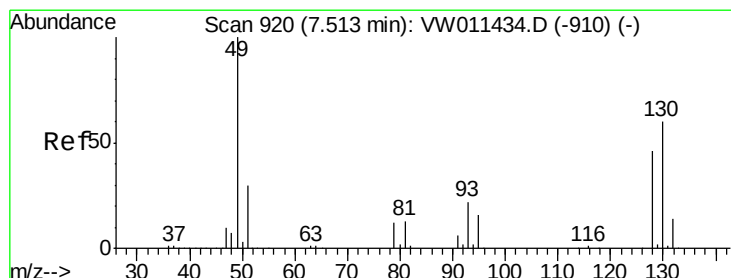
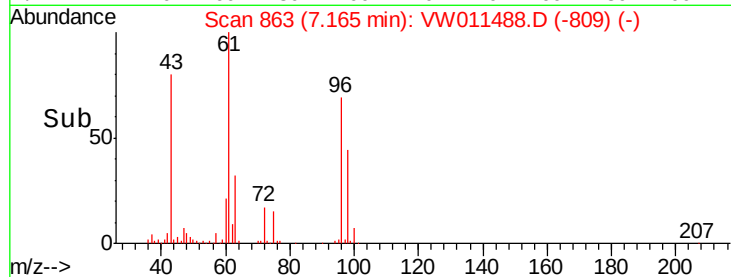
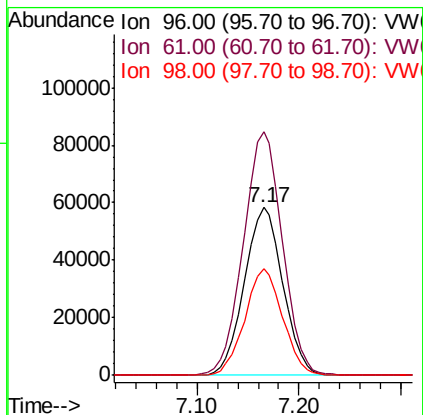
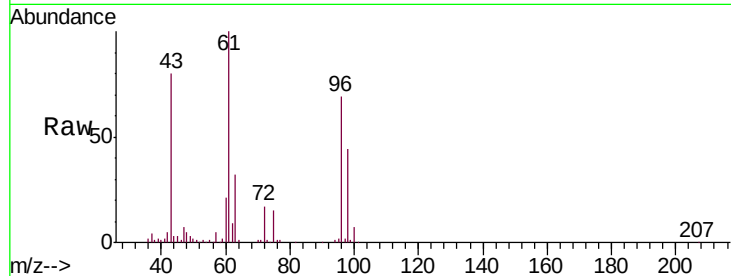


#22

cis-1,2-Dichloroethene
Concen: 25.096 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW011488.D
Acq: 25 Jul 2019 09:22

Instrument :
MSVOA_W
ClientSampleId :
VSTD02519

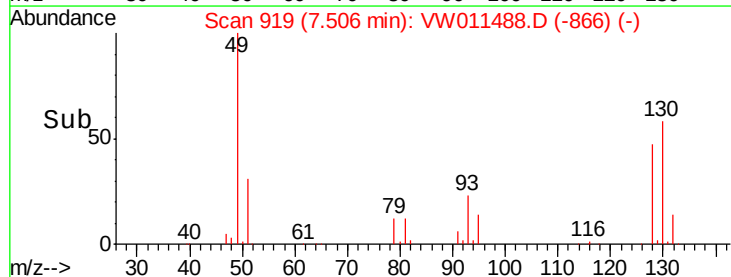
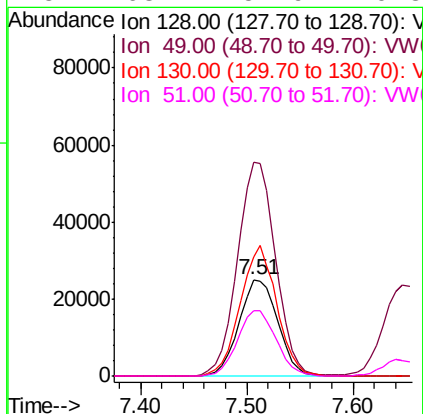
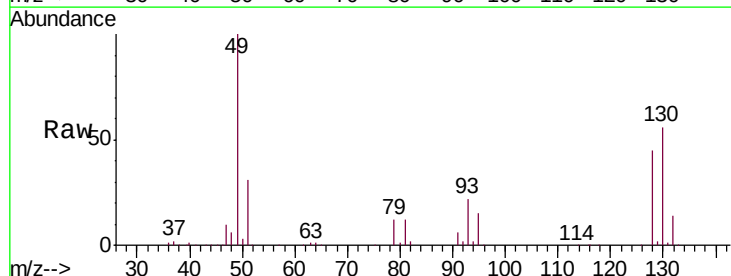
Tgt Ion: 96 Resp: 153109
Ion Ratio Lower Upper
96 100
61 145.1 101.8 189.0
98 63.9 45.4 84.2

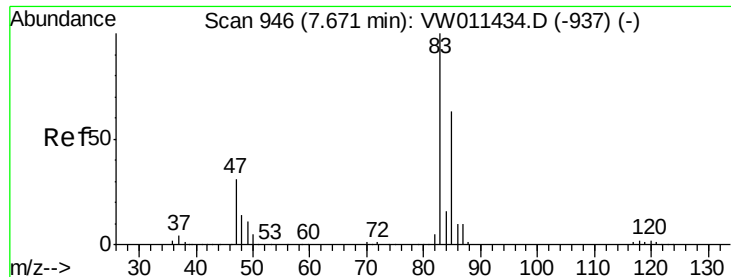


#23

Bromochloromethane
Concen: 25.131 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW011488.D
Acq: 25 Jul 2019 09:22

Tgt Ion: 128 Resp: 64079
Ion Ratio Lower Upper
128 100
49 221.1 152.0 282.2
130 123.7 89.8 166.8
51 68.2 52.9 79.3

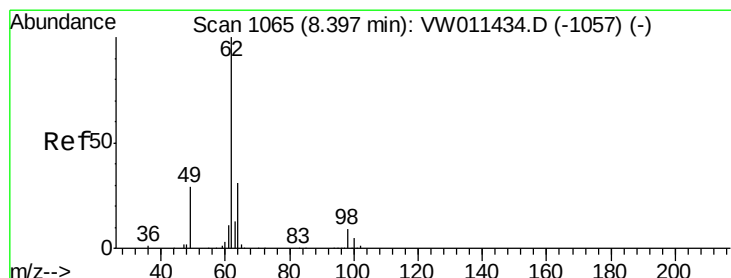
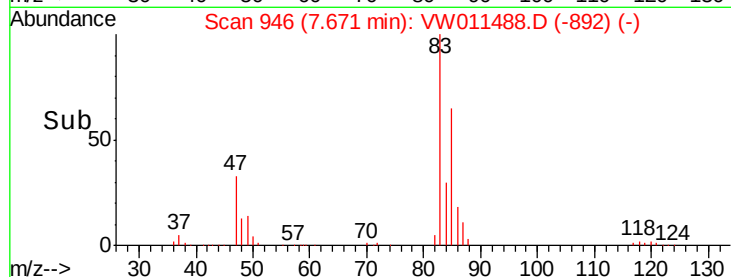
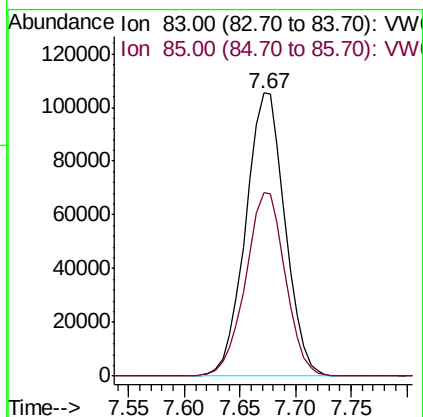
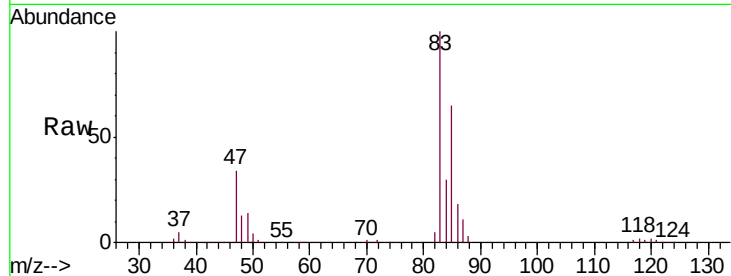




#25
Chloroform
Concen: 24.625 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW011488.D
Acq: 25 Jul 2019 09:22

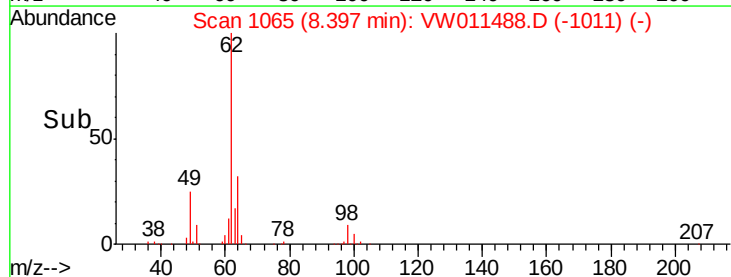
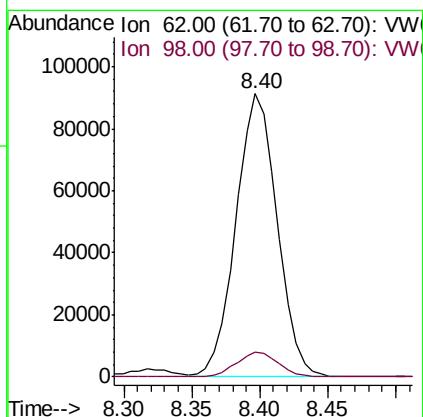
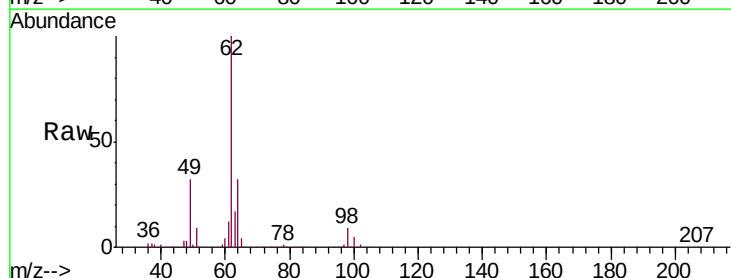
Instrument :
MSVOA_W
ClientSampled :
VSTD02519

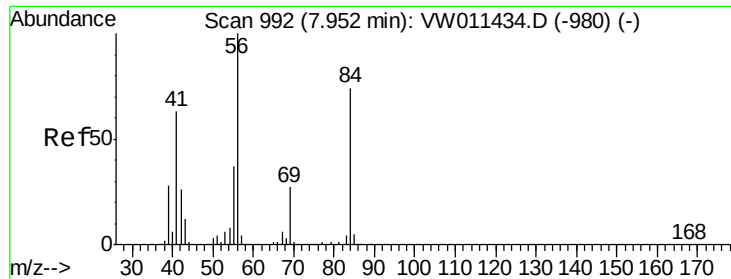
Tgt Ion: 83 Resp: 259495
Ion Ratio Lower Upper
83 100
85 65.4 45.1 83.9



#27
1,2-Dichloroethane
Concen: 25.194 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011488.D
Acq: 25 Jul 2019 09:22

Tgt Ion: 62 Resp: 193502
Ion Ratio Lower Upper
62 100
98 8.6 7.1 10.7

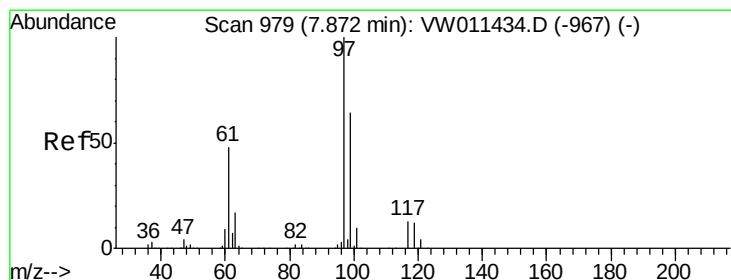
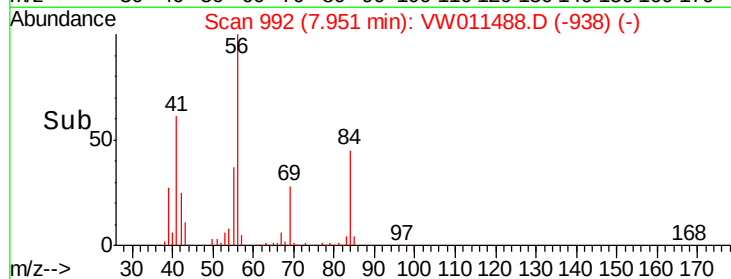
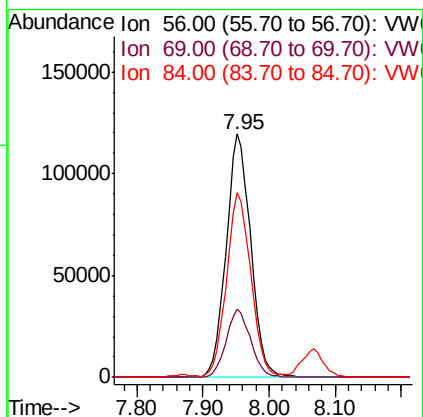
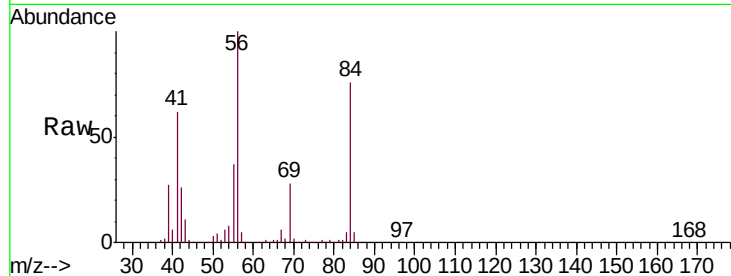




#30
Cyclohexane
Concen: 25.394 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011488.D
Acq: 25 Jul 2019 09:22

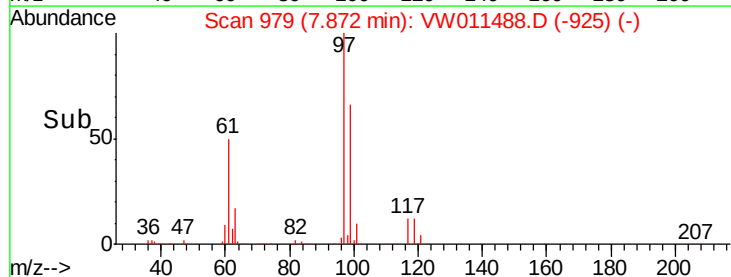
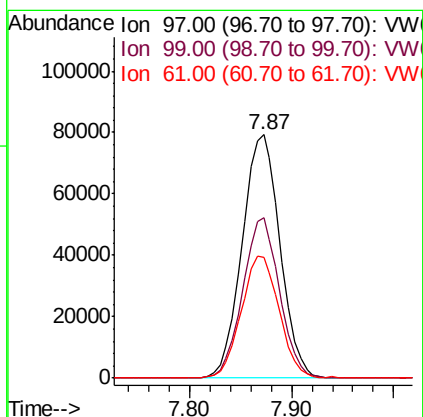
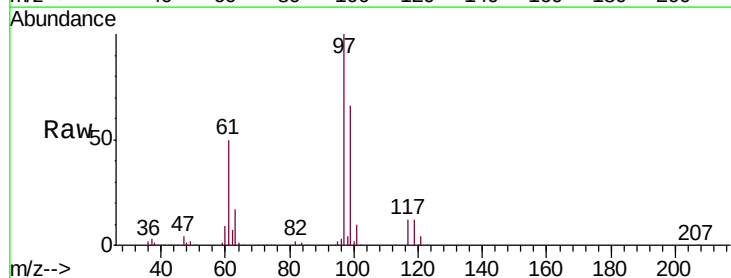
Instrument :
MSVOA_W
ClientSampleId :
VSTD02519

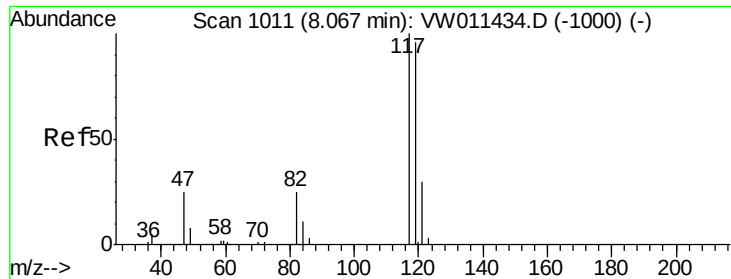
Tgt Ion: 56 Resp: 307409
Ion Ratio Lower Upper
56 100
69 28.0 22.6 34.0
84 75.5 60.4 90.6



#31
1,1,1-Trichloroethane
Concen: 24.733 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW011488.D
Acq: 25 Jul 2019 09:22

Tgt Ion: 97 Resp: 204615
Ion Ratio Lower Upper
97 100
99 64.0 51.0 76.6
61 49.9 39.4 59.2





#32

Carbon tetrachloride

Concen: 24.990 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW011488.D

Acq: 25 Jul 2019 09:22

Instrument :

MSVOA_W

ClientSampleId :

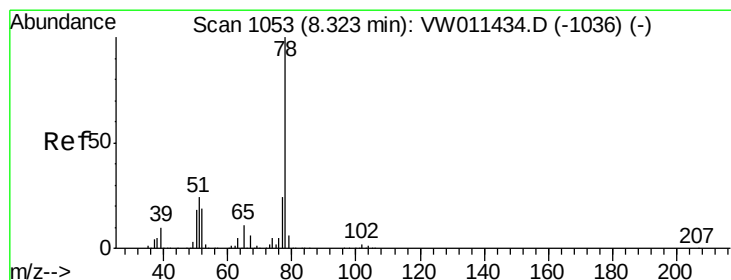
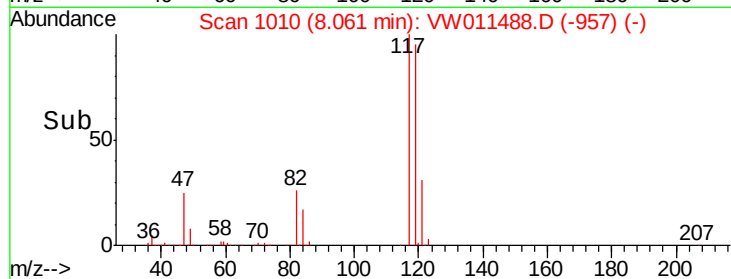
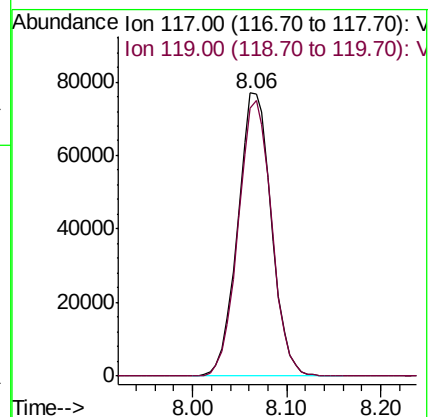
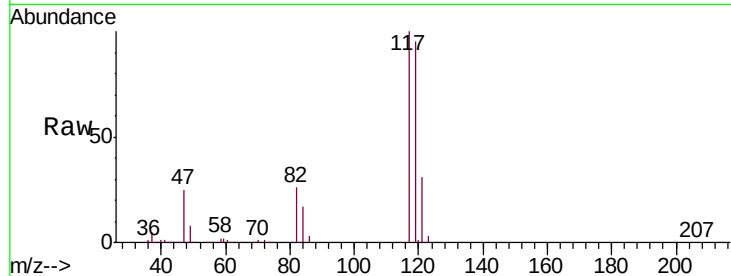
VSTD02519

Tgt Ion:117 Resp: 192123

Ion Ratio Lower Upper

117 100

119 96.4 76.6 114.8



#34

Benzene

Concen: 25.199 ug/L

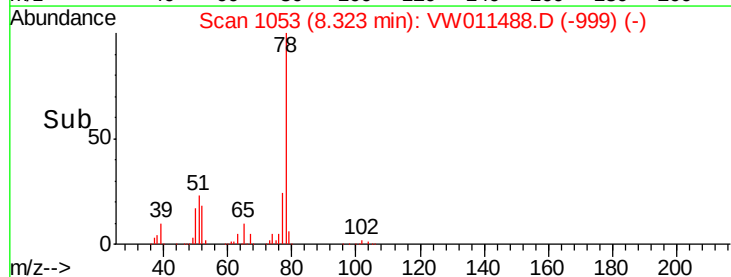
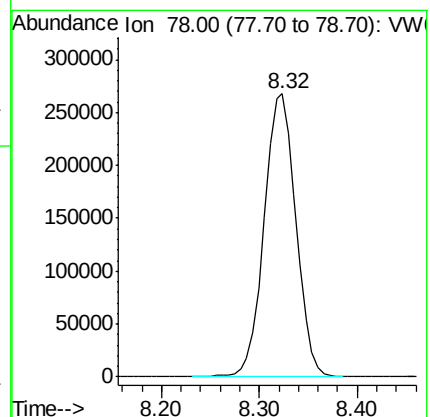
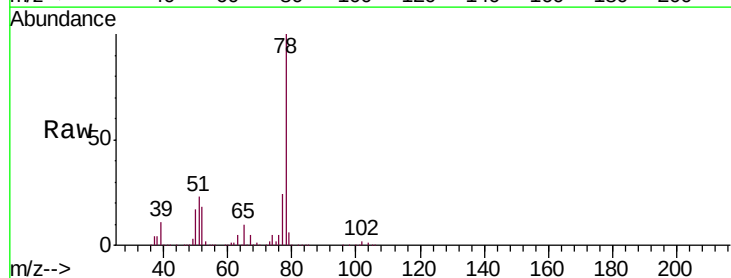
RT: 8.32 min Scan# 1053

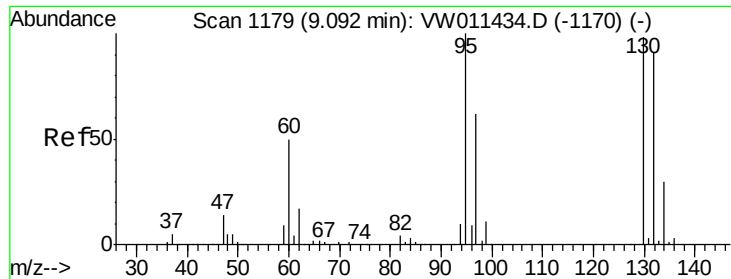
Delta R.T. -0.00 min

Lab File: VW011488.D

Acq: 25 Jul 2019 09:22

Tgt Ion: 78 Resp: 607930





#35

Trichloroethene

Concen: 24.653 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW011488.D

Acq: 25 Jul 2019 09:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02519

Tgt Ion: 95 Resp: 151163

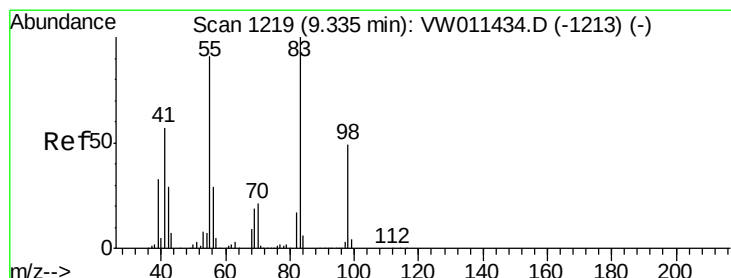
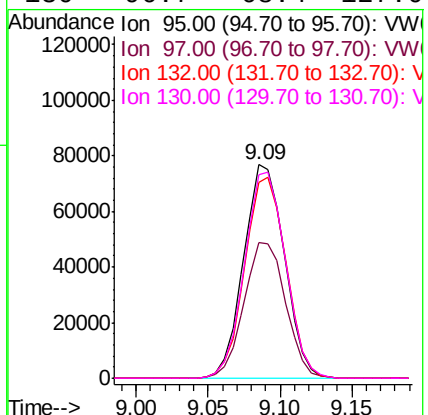
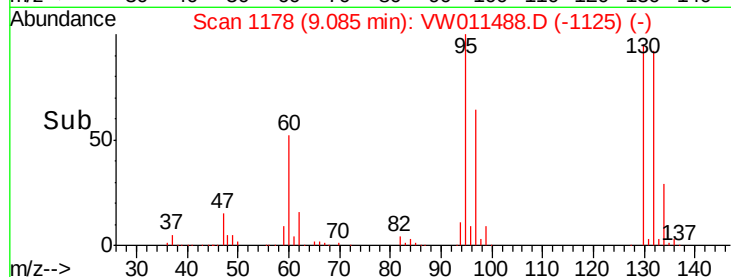
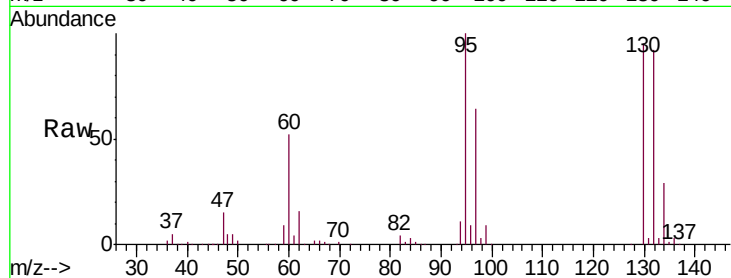
Ion Ratio Lower Upper

95 100

97 64.7 44.6 82.8

132 94.7 66.0 122.6

130 96.7 68.4 127.0



#36

Methylcyclohexane

Concen: 25.627 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW011488.D

Acq: 25 Jul 2019 09:22

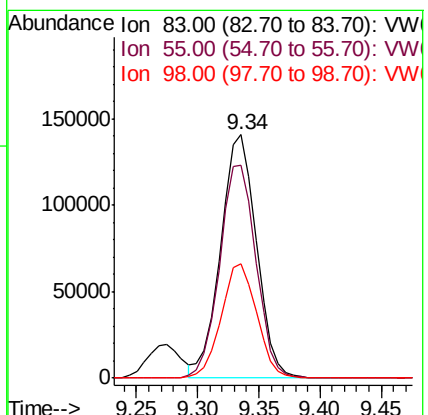
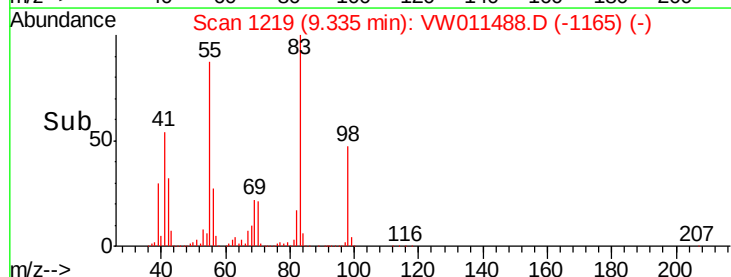
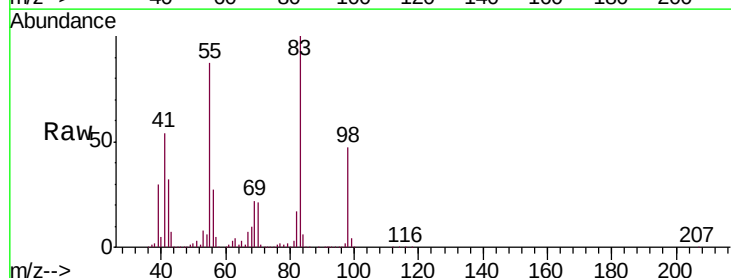
Tgt Ion: 83 Resp: 285726

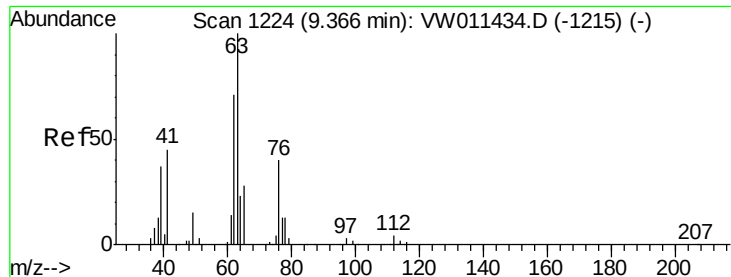
Ion Ratio Lower Upper

83 100

55 88.8 71.5 107.3

98 46.9 37.4 56.2





#40

1,2-Dichloropropane

Concen: 24.818 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW011488.D

Acq: 25 Jul 2019 09:22

Instrument :

MSVOA_W

ClientSampleId :

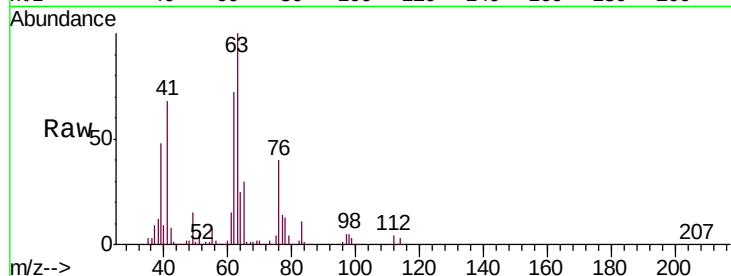
VSTD02519

Tgt Ion: 63 Resp: 160858

Ion Ratio Lower Upper

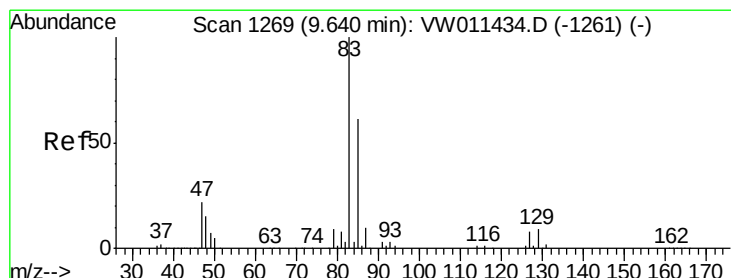
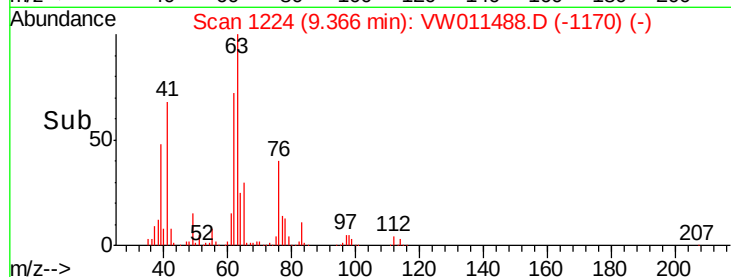
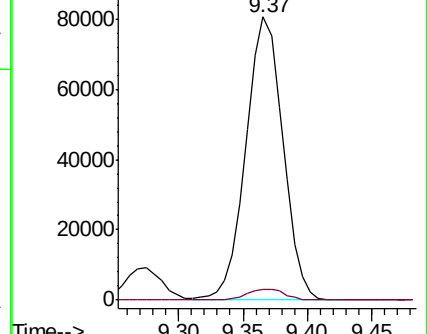
63 100

112 4.1 3.2 4.8



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 24.674 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW011488.D

Acq: 25 Jul 2019 09:22

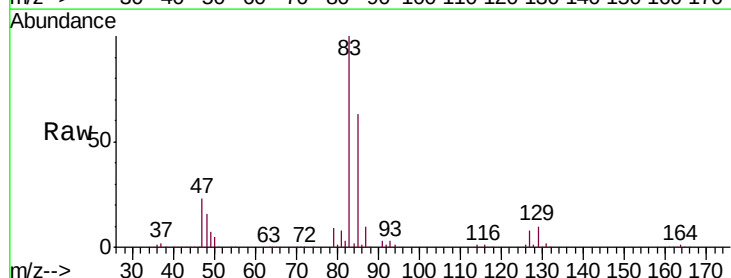
Tgt Ion: 83 Resp: 186982

Ion Ratio Lower Upper

83 100

85 62.9 44.3 82.3

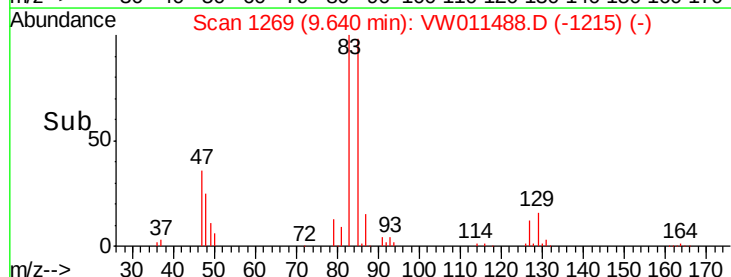
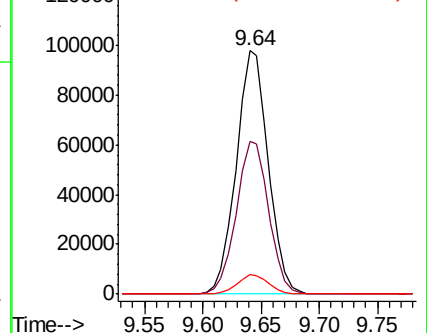
127 7.8 6.6 9.8

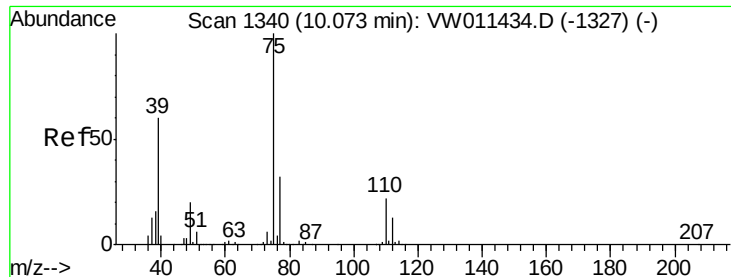


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 25.213 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW011488.D

Acq: 25 Jul 2019 09:22

Instrument :

MSVOA_W

ClientSampleId :

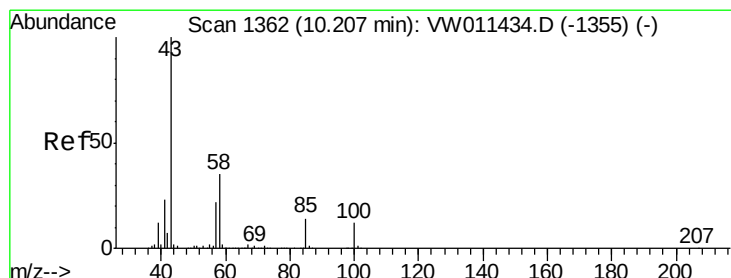
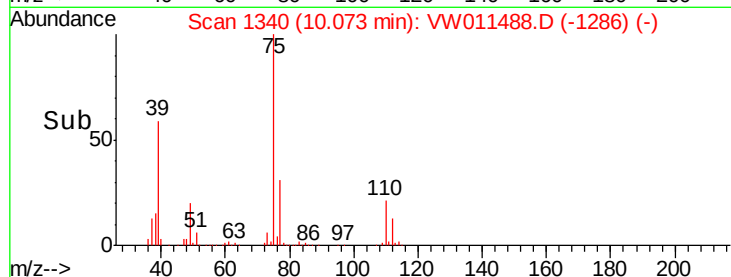
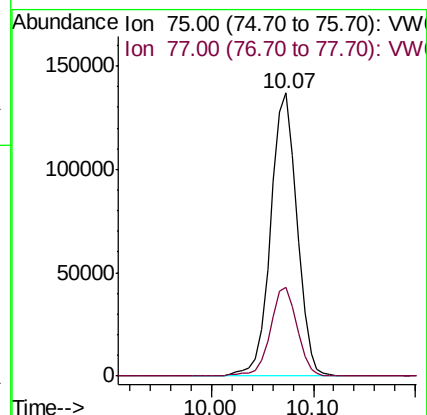
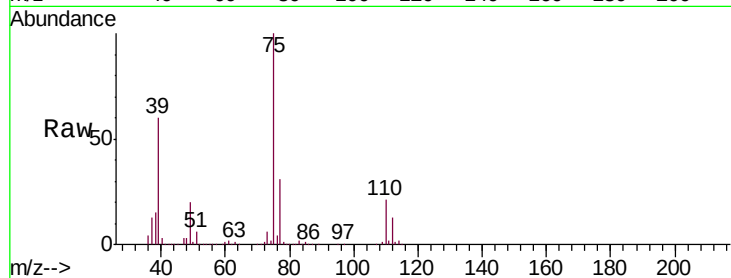
VSTD02519

Tgt Ion: 75 Resp: 245508

Ion Ratio Lower Upper

75 100

77 31.2 21.6 40.2



#43

4-Methyl-2-pentanone

Concen: 55.541 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011488.D

Acq: 25 Jul 2019 09:22

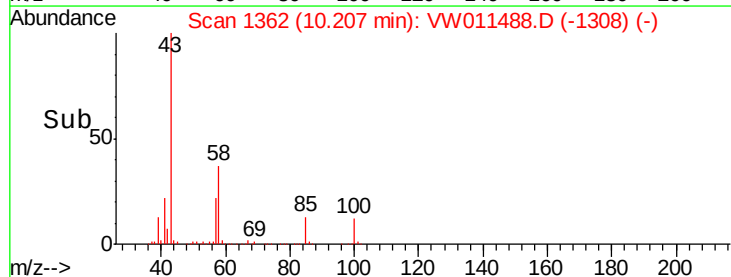
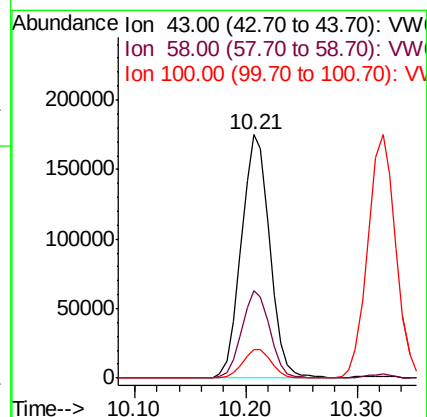
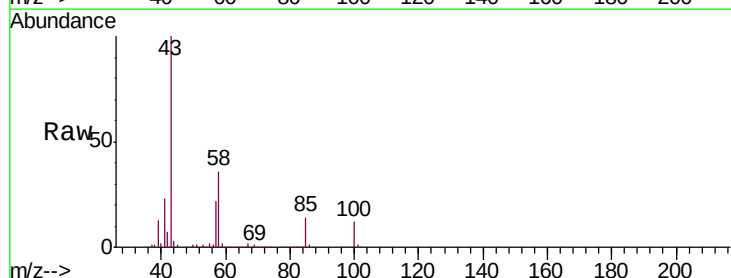
Tgt Ion: 43 Resp: 308180

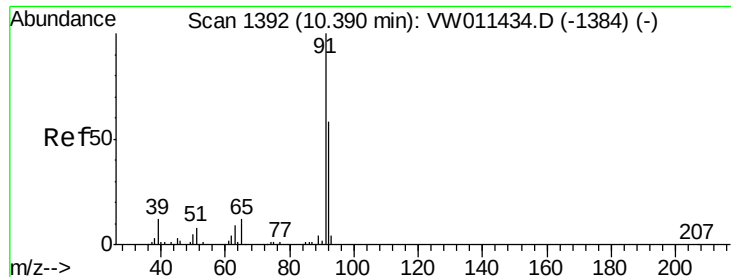
Ion Ratio Lower Upper

43 100

58 35.8 28.0 42.0

100 12.2 9.8 14.8





#44

Toluene

Concen: 25.111 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW011488.D

Acq: 25 Jul 2019 09:22

Instrument :

MSVOA_W

ClientSampleId :

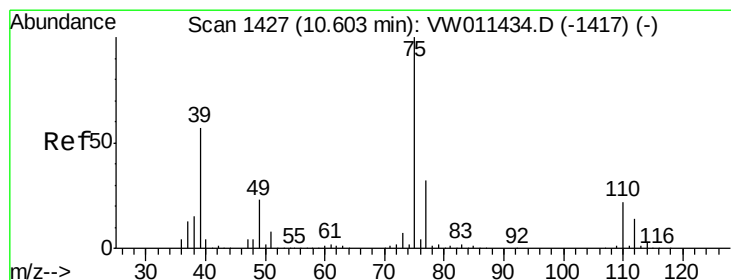
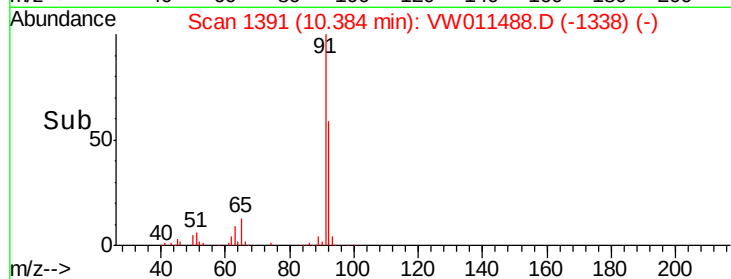
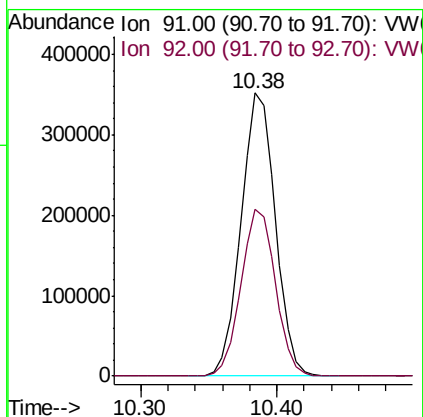
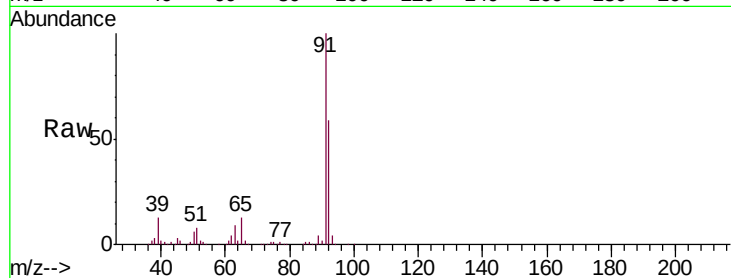
VSTD02519

Tgt Ion: 91 Resp: 621369

Ion Ratio Lower Upper

91 100

92 58.9 41.2 76.4



#45

trans-1,3-Dichloropropene

Concen: 25.232 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011488.D

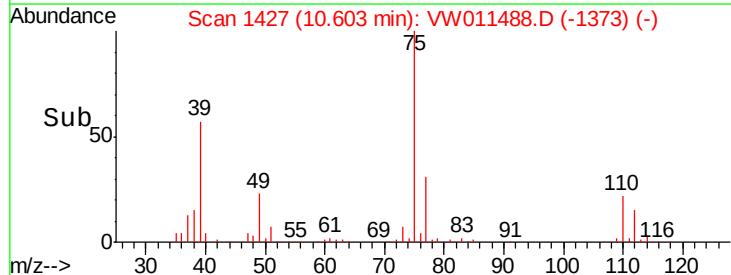
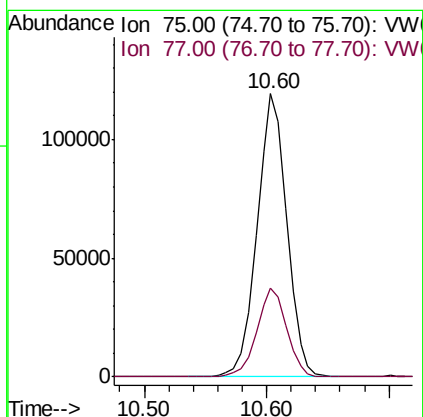
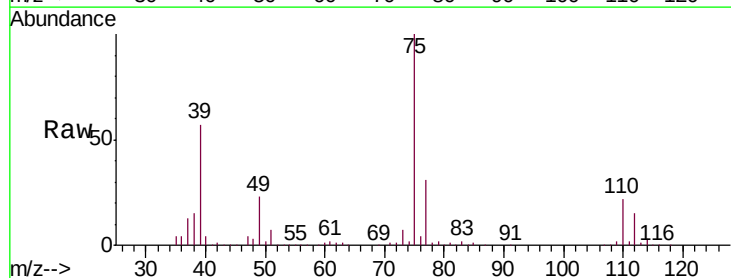
Acq: 25 Jul 2019 09:22

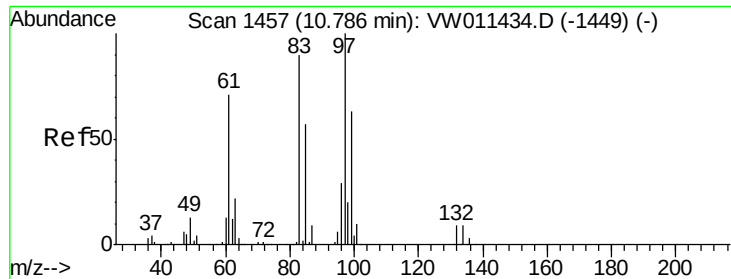
Tgt Ion: 75 Resp: 201925

Ion Ratio Lower Upper

75 100

77 31.4 21.8 40.6

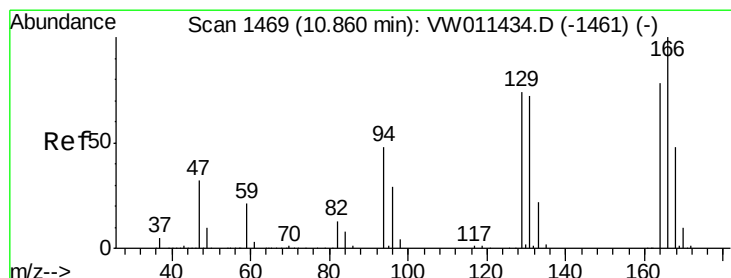
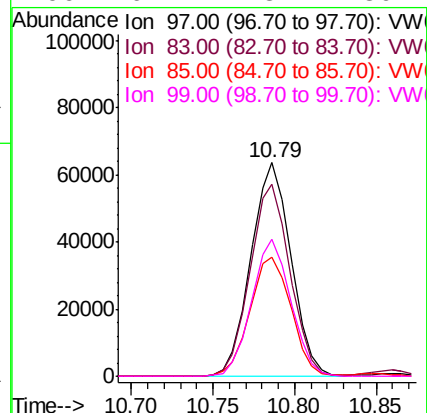
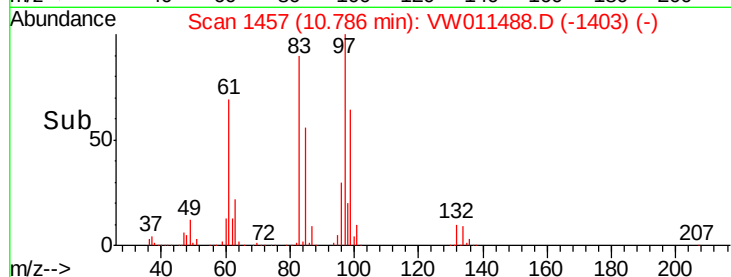
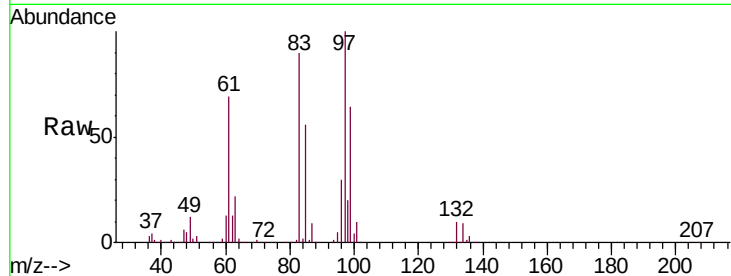




#46
 1,1,2-Trichloroethane
 Concen: 25.110 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011488.D
 Acq: 25 Jul 2019 09:22

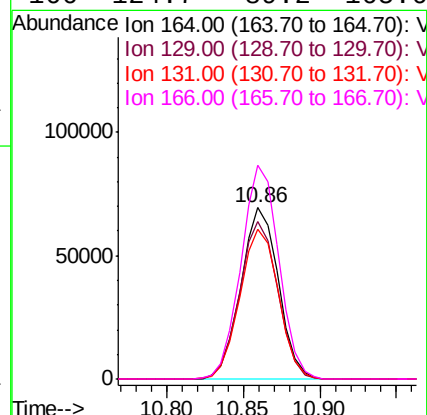
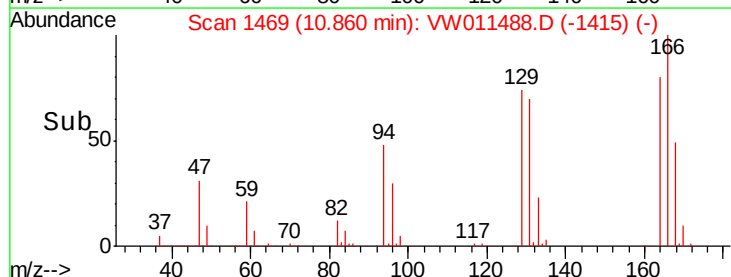
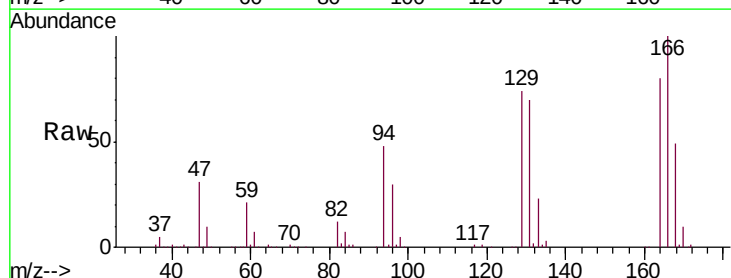
Instrument :
 MSVOA_W
 ClientSampleID :
 VSTD02519

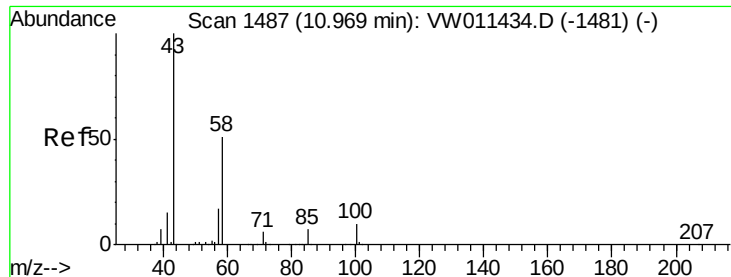
Tgt Ion:	97	Resp:	108941
Ion	Ratio	Lower	Upper
97	100		
83	89.8	63.8	118.6
85	55.9	40.0	74.4
99	64.4	43.1	80.1



#47
 Tetrachloroethene
 Concen: 25.191 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW011488.D
 Acq: 25 Jul 2019 09:22

Tgt Ion:	164	Resp:	118502
Ion	Ratio	Lower	Upper
164	100		
129	92.1	69.0	128.1
131	87.1	64.5	119.7
166	124.7	89.2	165.6

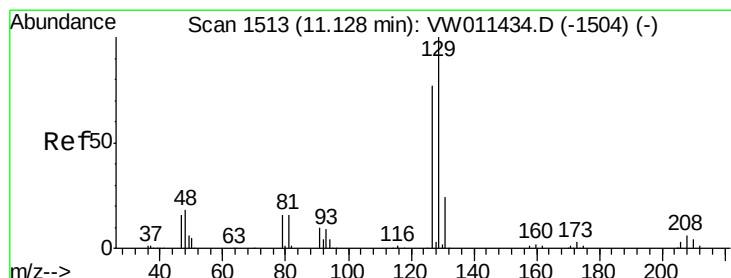
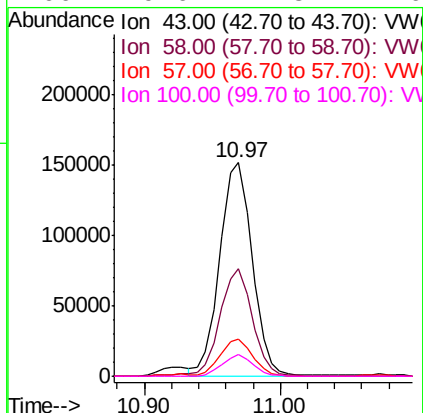
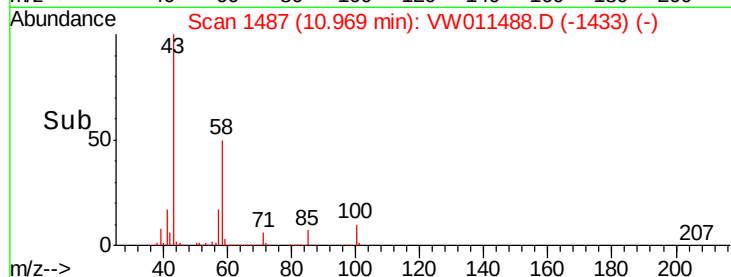
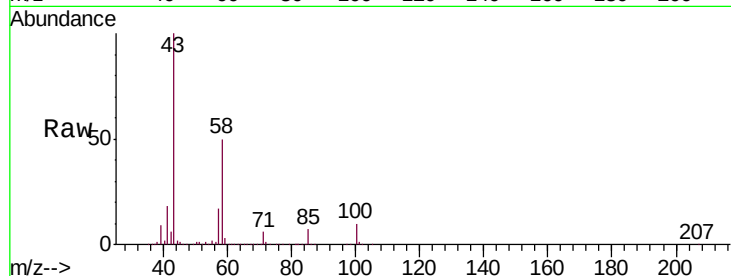




#49
2-Hexanone
Concen: 60.446 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011488.D
Acq: 25 Jul 2019 09:22

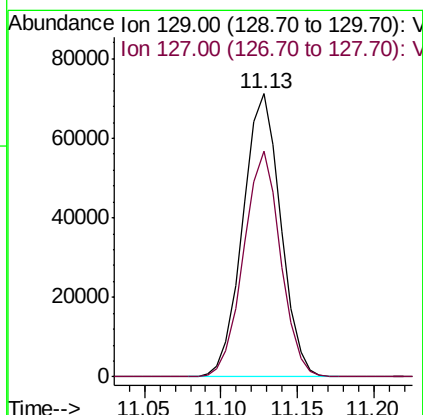
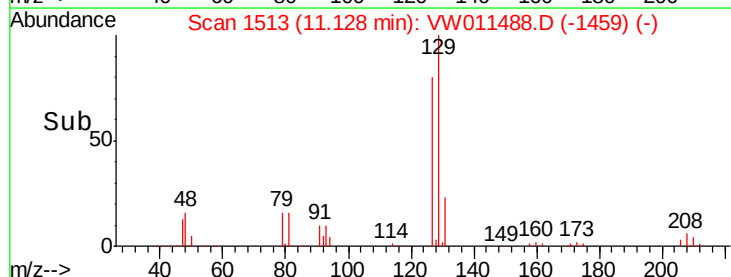
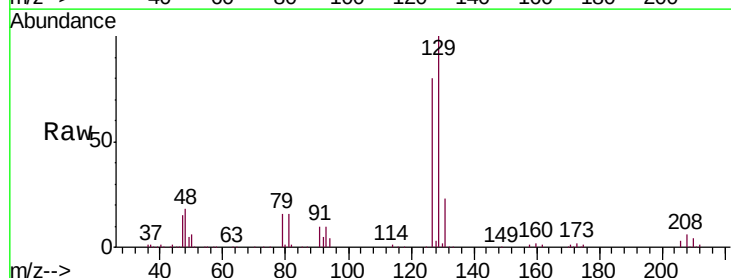
Instrument :
MSVOA_W
ClientSampleId :
VSTD02519

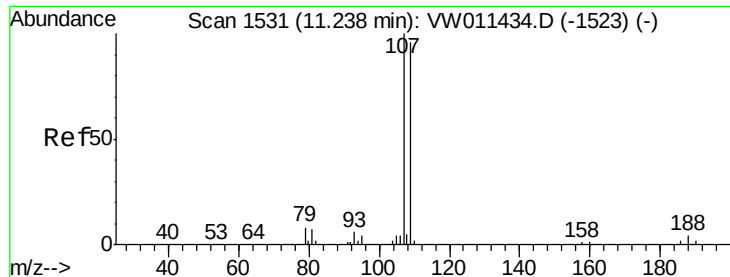
Tgt Ion:	43	Resp:	253168
Ion	Ratio	Lower	Upper
43	100		
58	50.5	40.1	60.1
57	17.5	13.8	20.6
100	9.6	7.8	11.6



#50
Dibromochloromethane
Concen: 25.566 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011488.D
Acq: 25 Jul 2019 09:22

Tgt Ion:	129	Resp:	122780
Ion	Ratio	Lower	Upper
129	100		
127	79.8	53.9	100.1

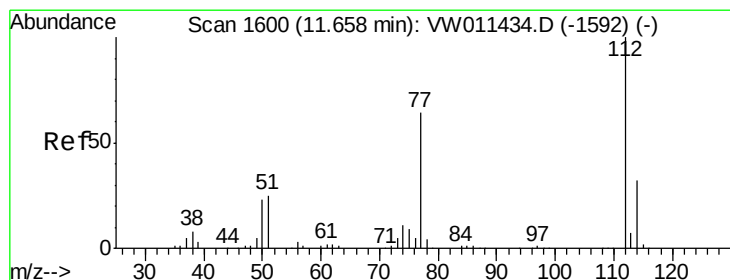
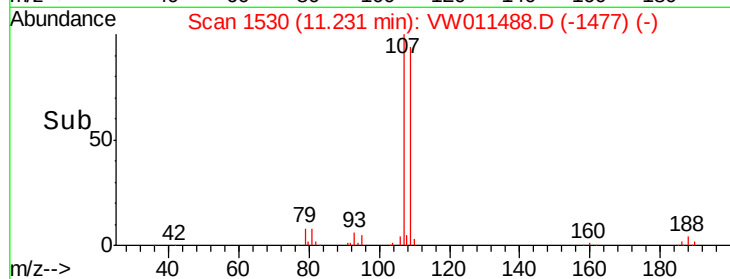
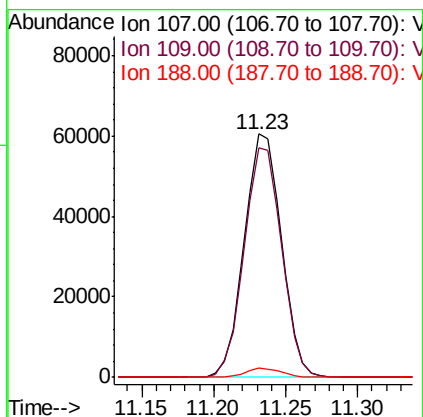
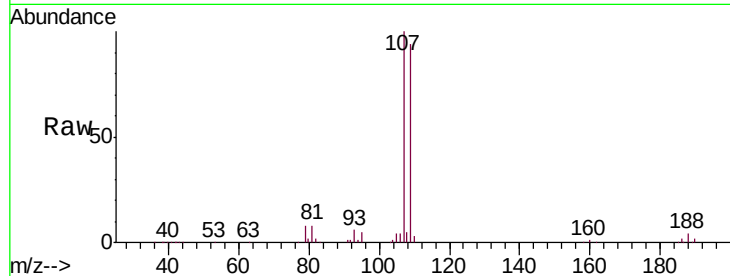




#51
1,2-Dibromoethane
Concen: 25.770 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW011488.D
Acq: 25 Jul 2019 09:22

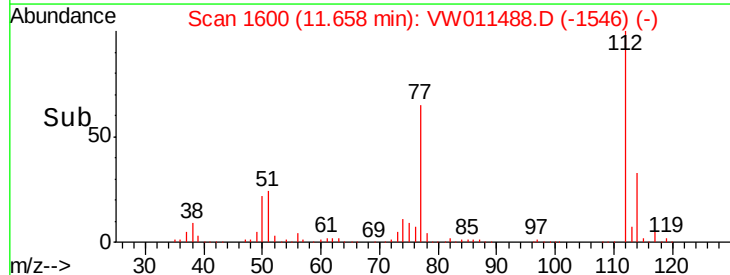
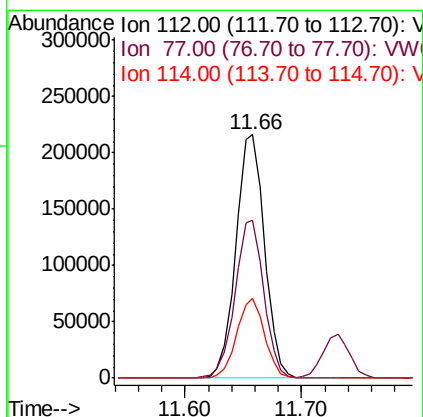
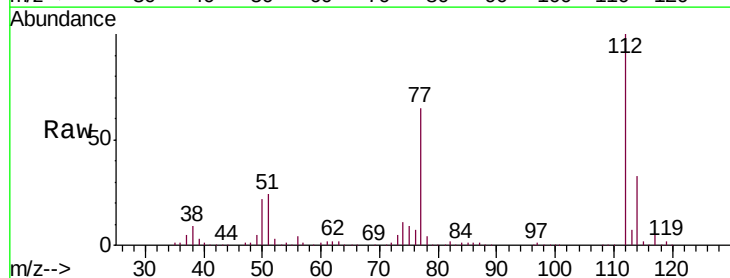
Instrument :
MSVOA_W
ClientSampleId :
VSTD02519

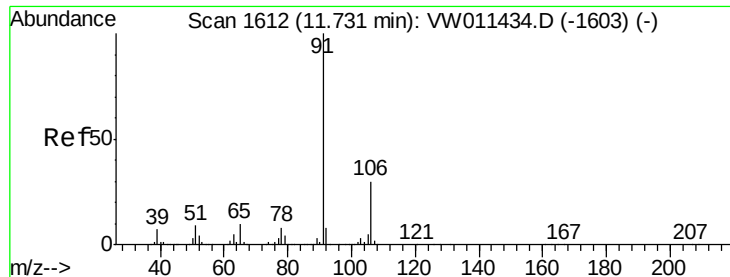
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.4	66.8	124.2
188	3.8	3.0	4.6



#52
Chlorobenzene
Concen: 24.775 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011488.D
Acq: 25 Jul 2019 09:22

Tgt Ion	Ratio	Lower	Upper
112	100		
77	64.8	52.2	78.2
114	32.9	22.0	41.0

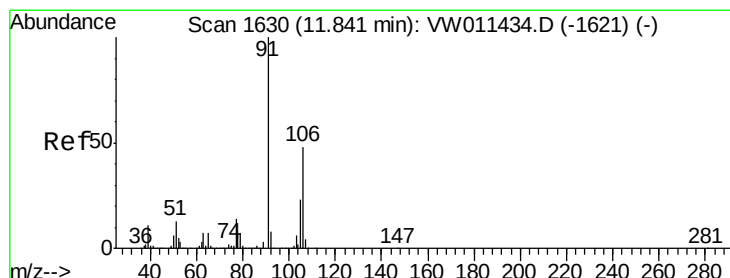
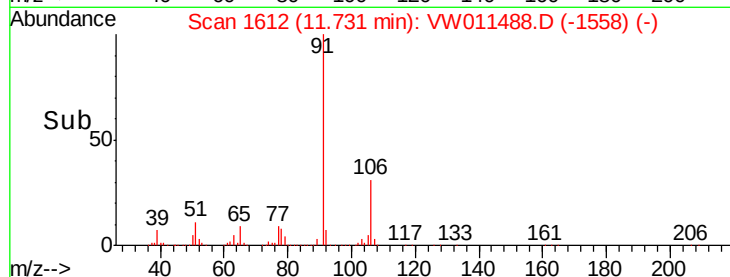
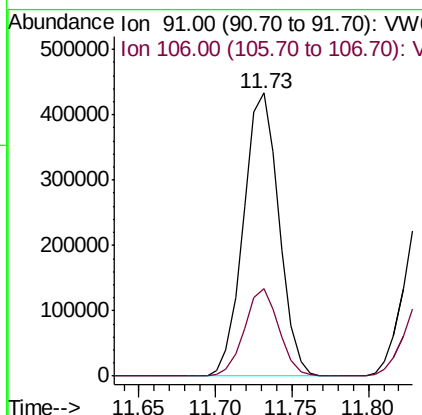
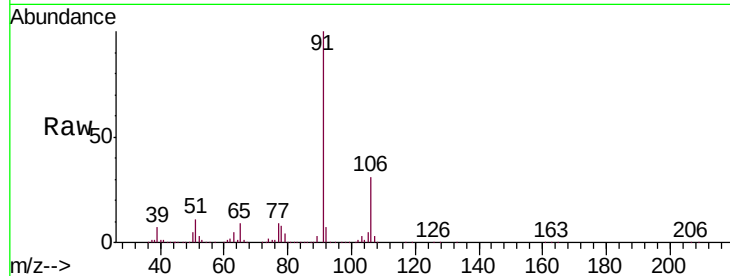




#53
Ethylbenzene
Concen: 25.075 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011488.D
Acq: 25 Jul 2019 09:22

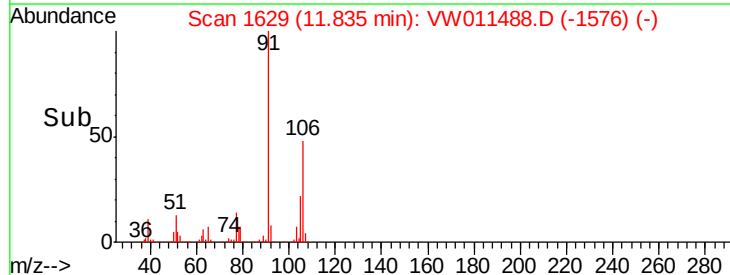
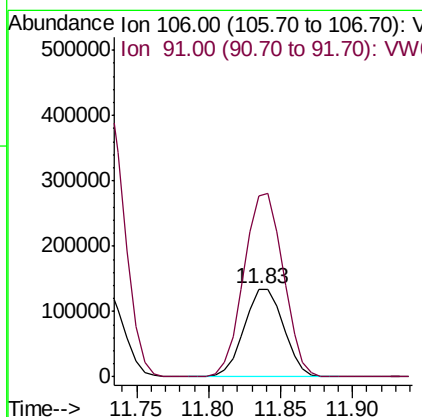
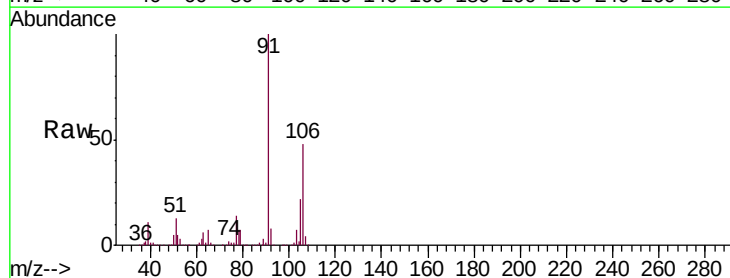
Instrument :
MSVOA_W
ClientSampleId :
VSTD02519

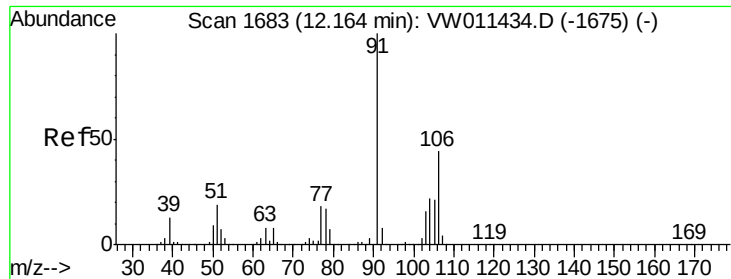
Tgt Ion: 91 Resp: 698324
Ion Ratio Lower Upper
91 100
106 30.9 21.1 39.1



#54
m,p-Xylene
Concen: 25.021 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW011488.D
Acq: 25 Jul 2019 09:22

Tgt Ion: 106 Resp: 255197
Ion Ratio Lower Upper
106 100
91 206.7 143.7 266.9

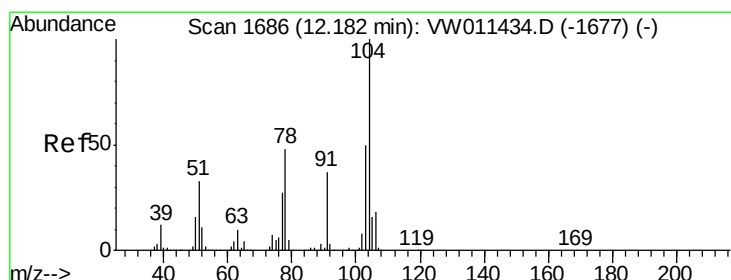
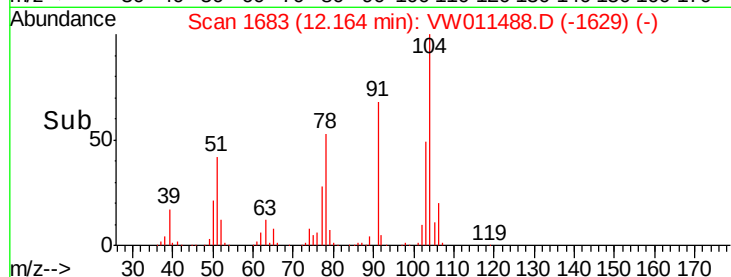
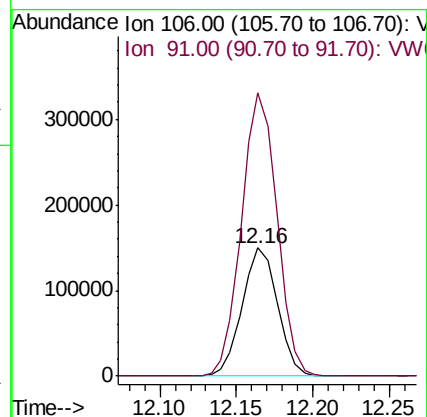
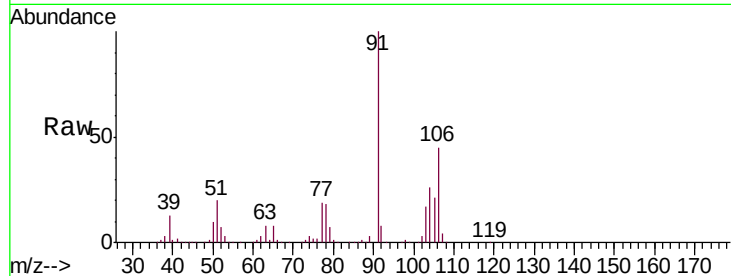




#55
o-xylene
Concen: 25.129 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011488.D
Acq: 25 Jul 2019 09:22

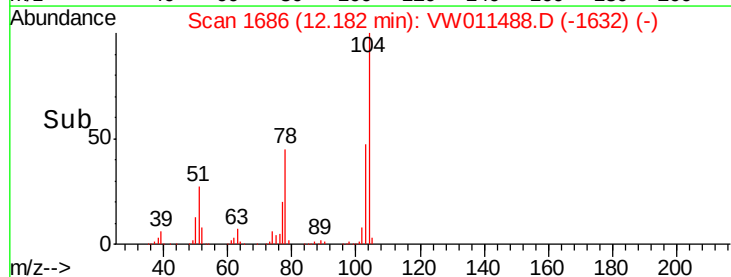
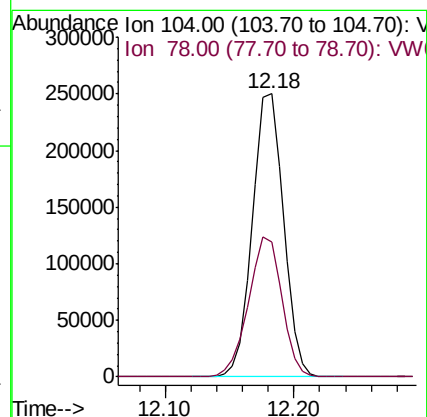
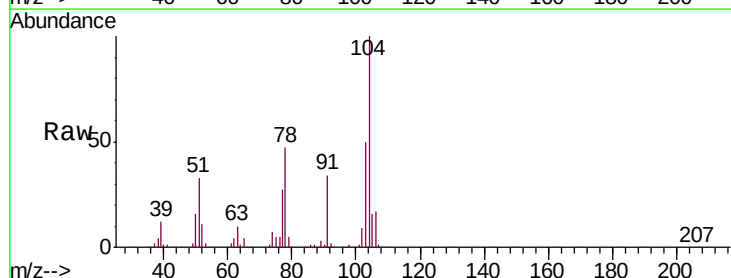
Instrument :
MSVOA_W
ClientSampled :
VSTD02519

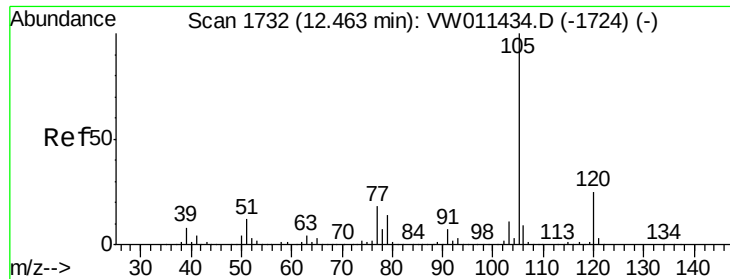
Tgt Ion:106 Resp: 241566
Ion Ratio Lower Upper
106 100
91 220.9 155.5 288.9



#56
Styrene
Concen: 25.773 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011488.D
Acq: 25 Jul 2019 09:22

Tgt Ion:104 Resp: 416783
Ion Ratio Lower Upper
104 100
78 47.5 33.5 62.1





#57

Isopropylbenzene

Concen: 25.642 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011488.D

Acq: 25 Jul 2019 09:22

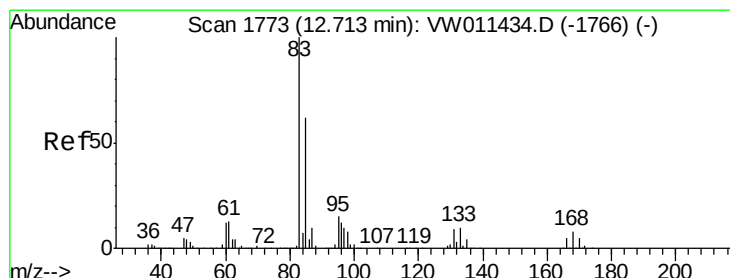
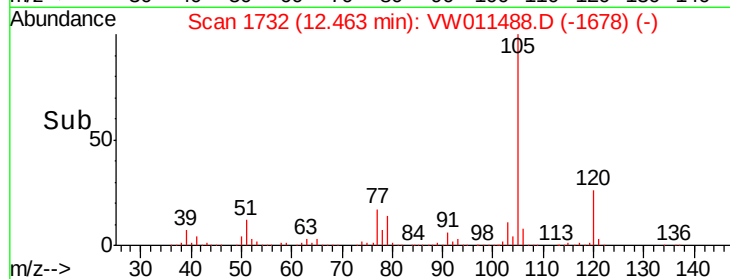
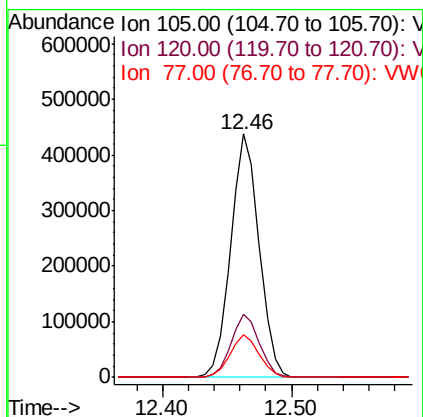
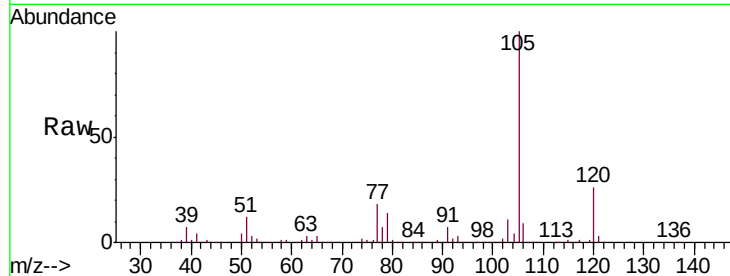
Instrument :

MSVOA_W

ClientSampleId :

VSTD02519

Tgt Ion:	105	Resp:	671407
Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.5	30.7
77	17.7	13.3	19.9



#58

1,1,2,2-Tetrachloroethane

Concen: 26.598 ug/L

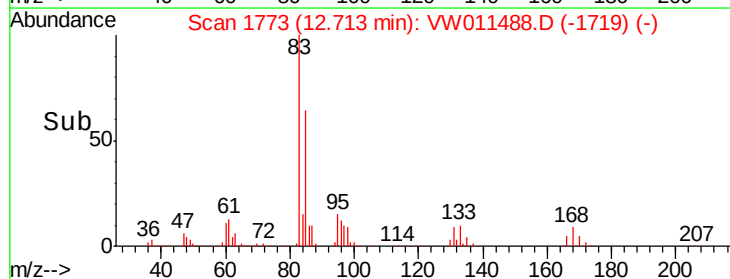
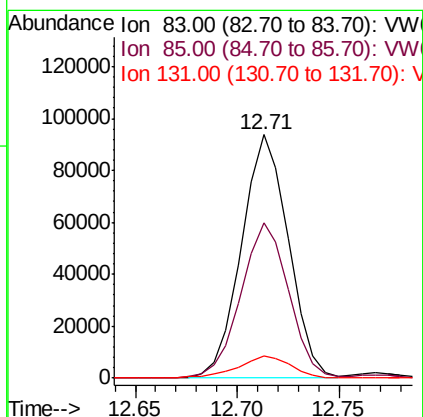
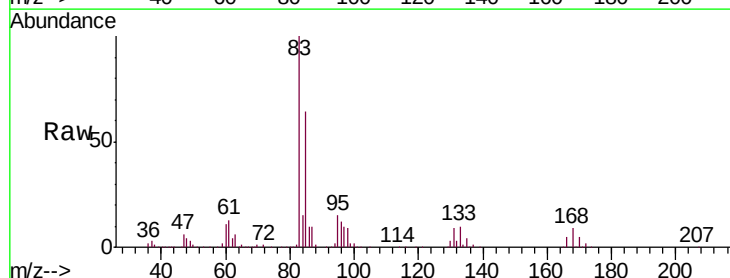
RT: 12.71 min Scan# 1773

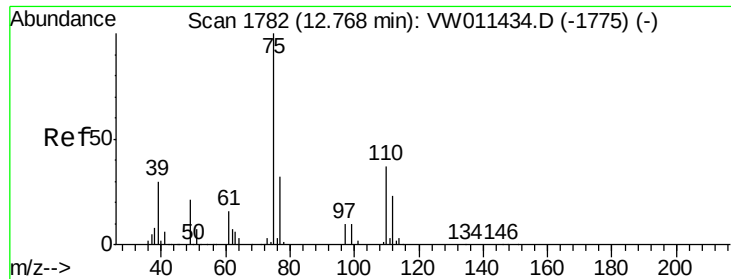
Delta R.T. -0.00 min

Lab File: VW011488.D

Acq: 25 Jul 2019 09:22

Tgt Ion:	83	Resp:	149897
Ion	Ratio	Lower	Upper
83	100		
85	63.6	45.1	83.9
131	9.2	7.0	10.6





#59

1,2,3-Trichloropropane

Concen: 26.501 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011488.D

Acq: 25 Jul 2019 09:22

Instrument :

MSVOA_W

ClientSampleId :

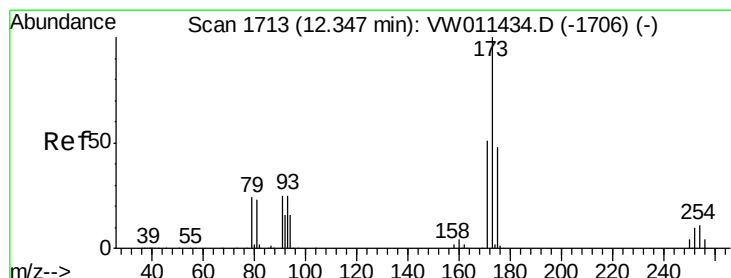
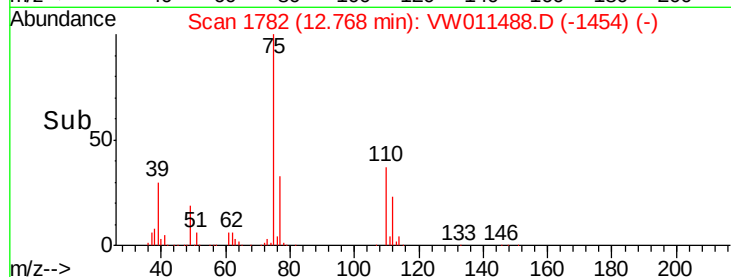
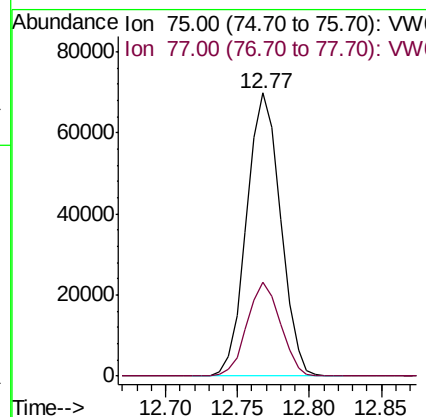
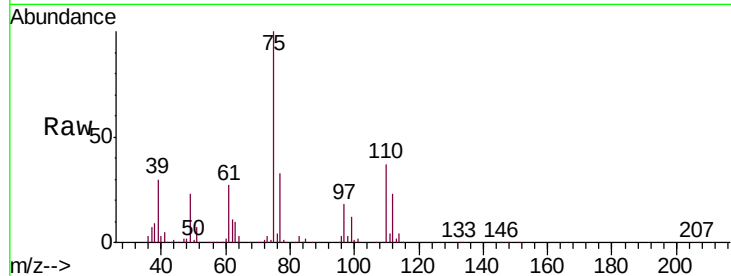
VSTD02519

Tgt Ion: 75 Resp: 114112

Ion Ratio Lower Upper

75 100

77 32.9 25.8 38.8



#62

Bromoform

Concen: 25.602 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011488.D

Acq: 25 Jul 2019 09:22

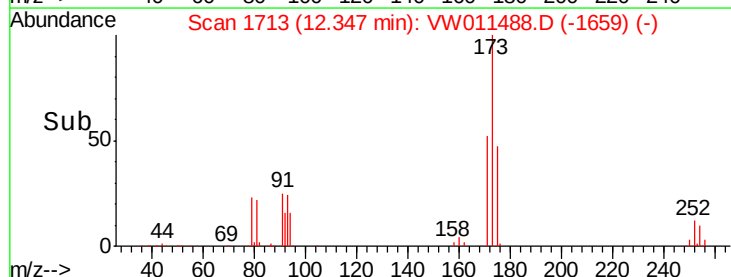
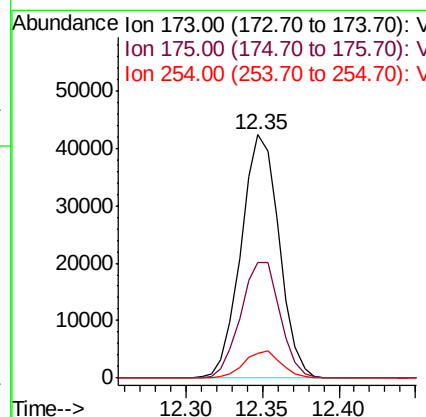
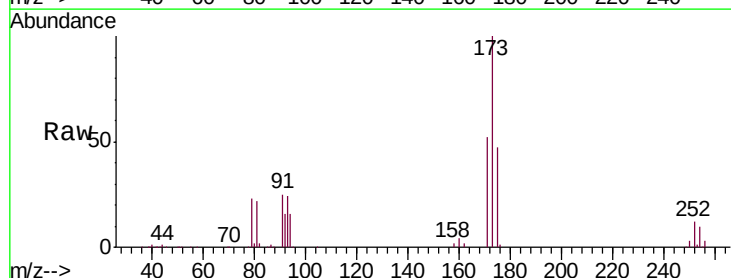
Tgt Ion: 173 Resp: 73312

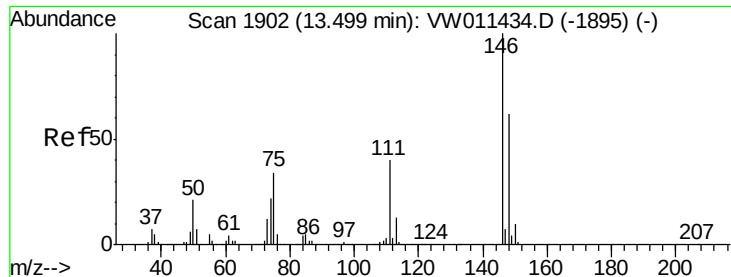
Ion Ratio Lower Upper

173 100

175 49.2 39.0 58.4

254 10.9 8.5 12.7





#63

1,3-Dichlorobenzene

Concen: 24.963 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011488.D

Acq: 25 Jul 2019 09:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02519

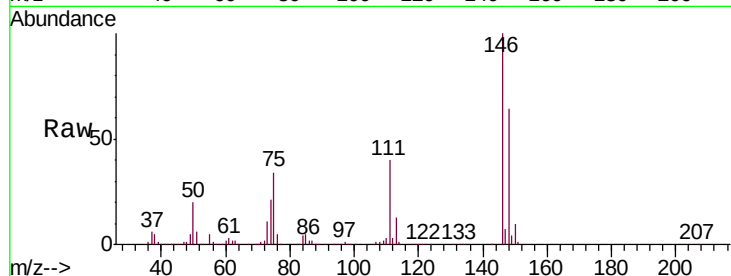
Tgt Ion:146 Resp: 285982

Ion Ratio Lower Upper

146 100

111 39.8 29.0 53.8

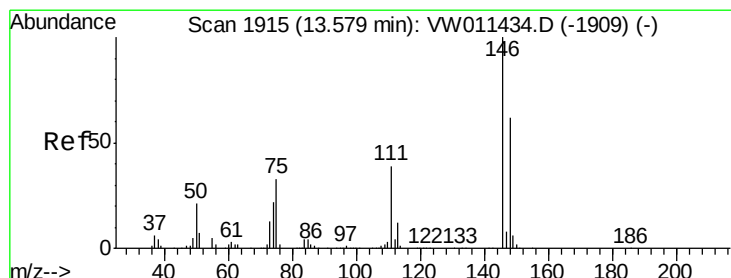
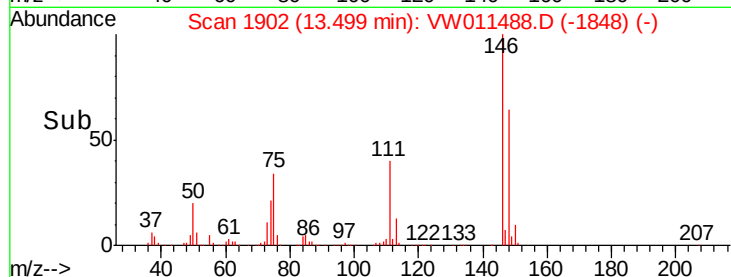
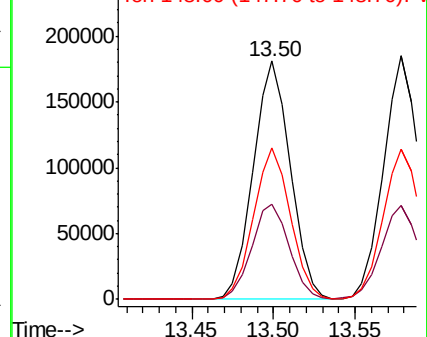
148 63.7 44.3 82.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 24.492 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW011488.D

Acq: 25 Jul 2019 09:22

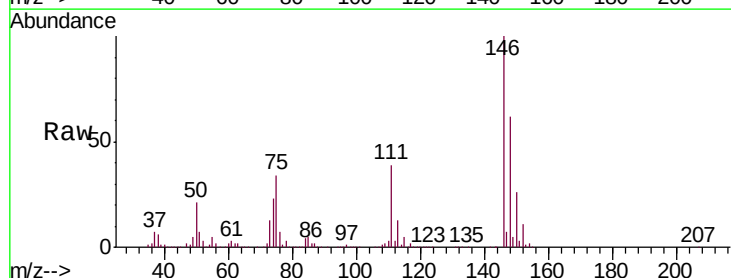
Tgt Ion:146 Resp: 284987

Ion Ratio Lower Upper

146 100

111 38.5 27.8 51.6

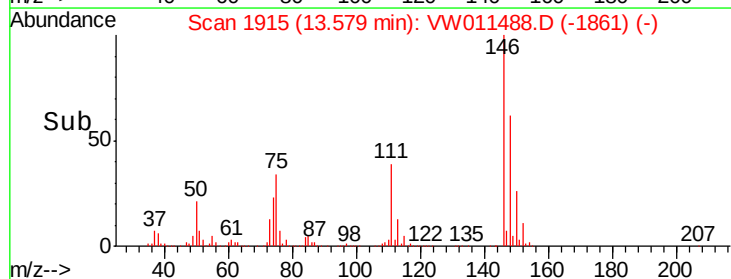
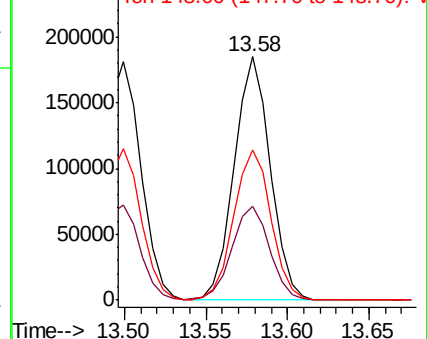
148 61.8 44.9 83.5

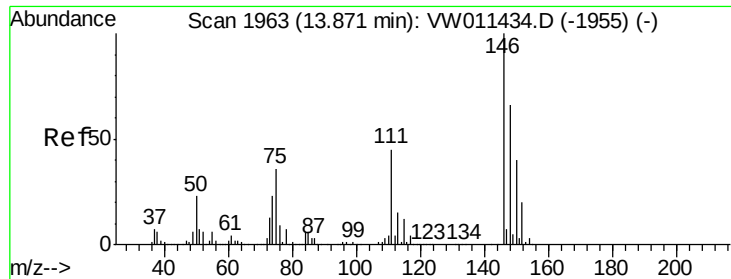


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

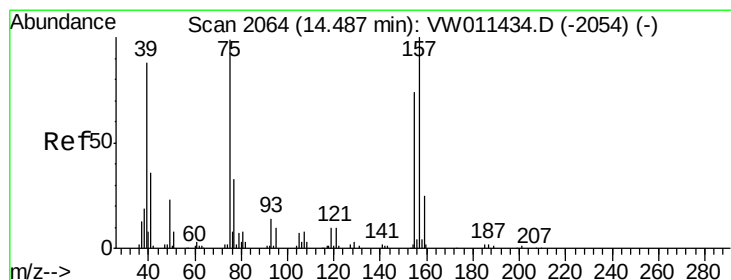
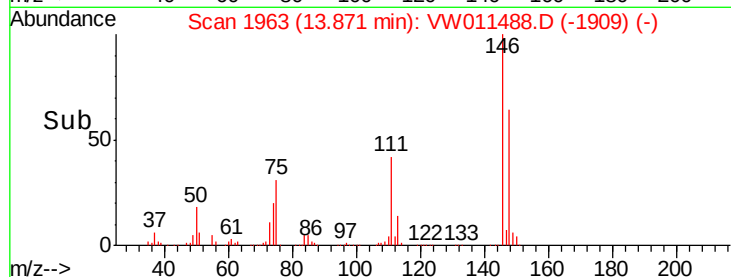
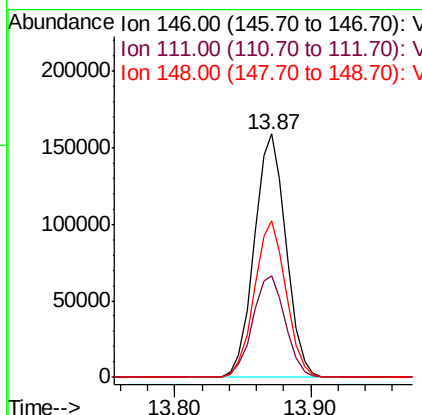
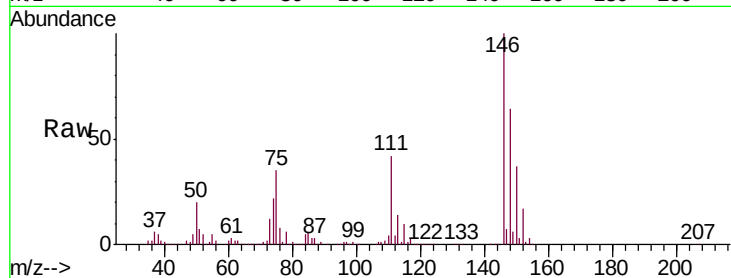




#65
 1,2-Dichlorobenzene
 Concen: 24.585 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011488.D
 Acq: 25 Jul 2019 09:22

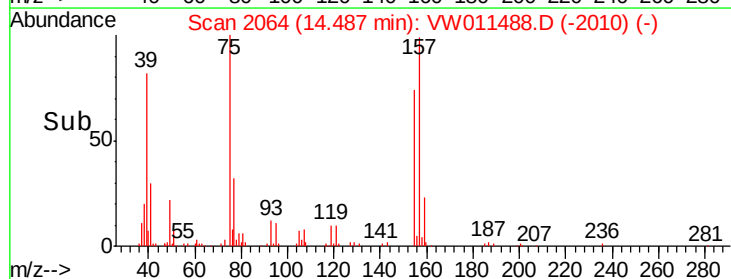
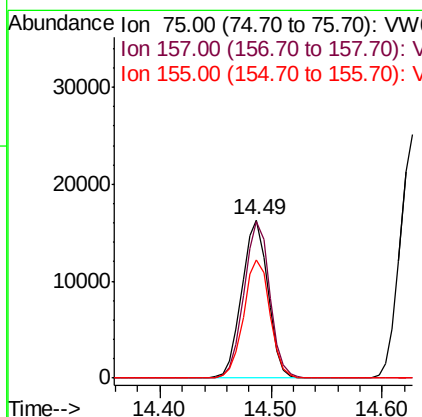
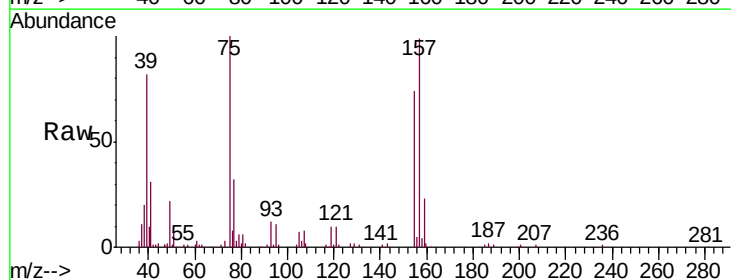
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

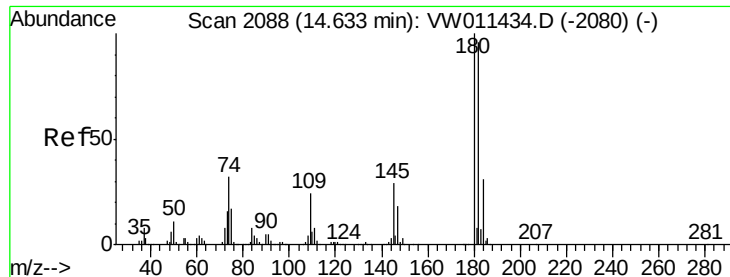
Tgt Ion: 146 Resp: 259156
 Ion Ratio Lower Upper
 146 100
 111 41.9 33.8 50.8
 148 64.1 51.6 77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.358 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011488.D
 Acq: 25 Jul 2019 09:22

Tgt Ion: 75 Resp: 26484
 Ion Ratio Lower Upper
 75 100
 157 99.1 73.7 110.5
 155 74.3 61.0 91.6

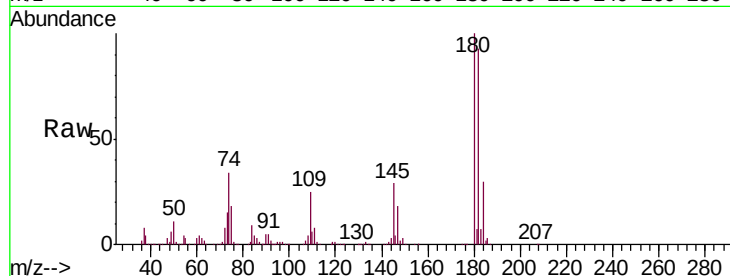




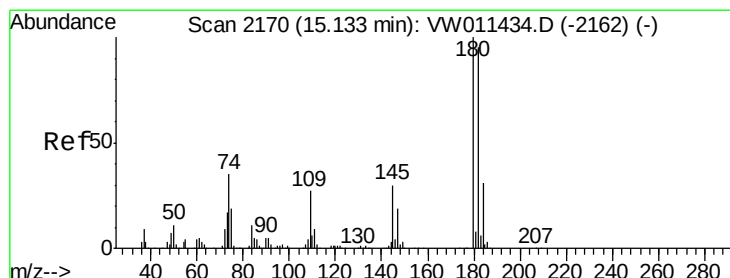
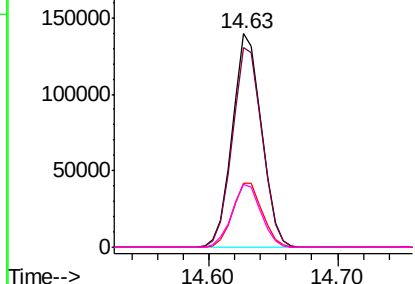
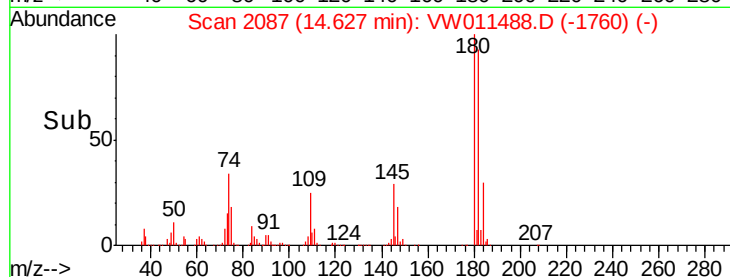
#67
 1,3,5-Trichlorobenzene
 Concen: 25.213 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW011488.D
 Acq: 25 Jul 2019 09:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

Tgt Ion:	180	Resp:	220350
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.1	114.1
184	30.4	24.7	37.1
145	29.3	23.8	35.6

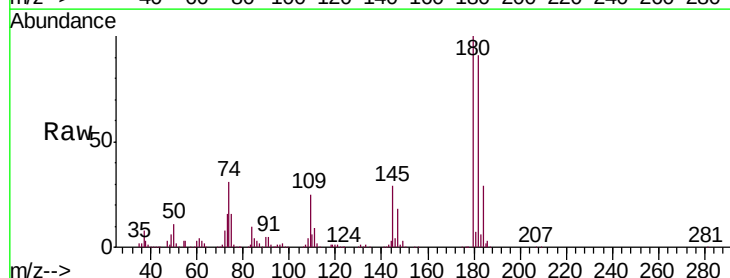


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

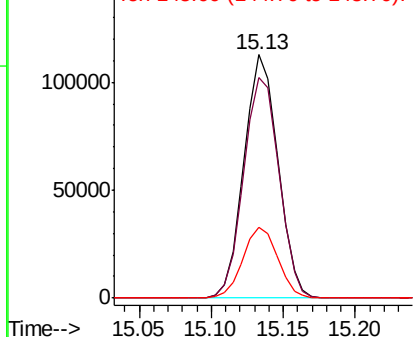
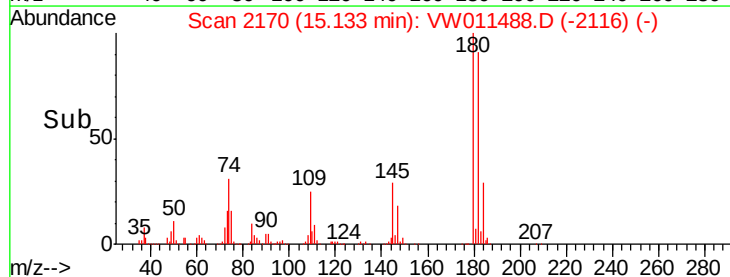


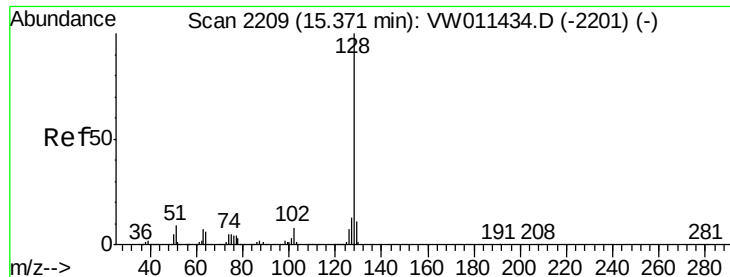
#68
 1,2,4-trichlorobenzene
 Concen: 25.461 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011488.D
 Acq: 25 Jul 2019 09:22

Tgt Ion:	180	Resp:	184411
Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.4	114.6
145	29.7	24.2	36.2



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





#69

Naphthalene

Concen: 26.725 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW011488.D

Acq: 25 Jul 2019 09:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02519

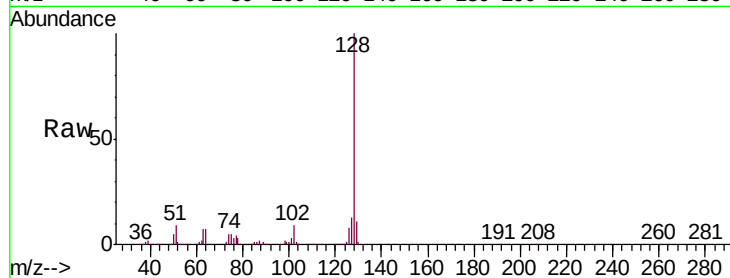
Tgt Ion:128 Resp: 394025

Ion Ratio Lower Upper

128 100

129 10.9 8.5 12.7

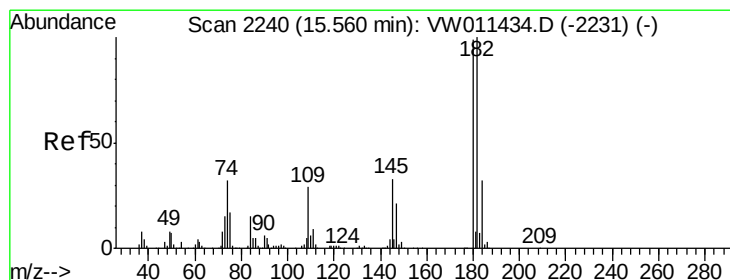
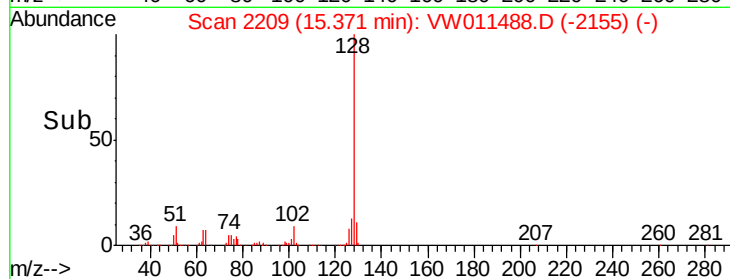
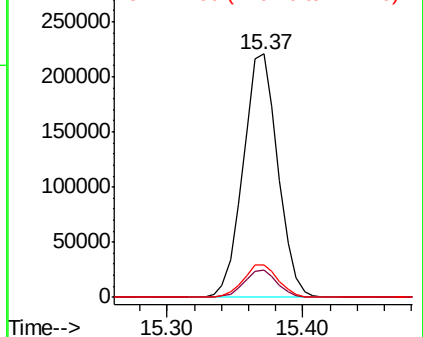
127 13.4 10.5 15.7



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: 24.999 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW011488.D

Acq: 25 Jul 2019 09:22

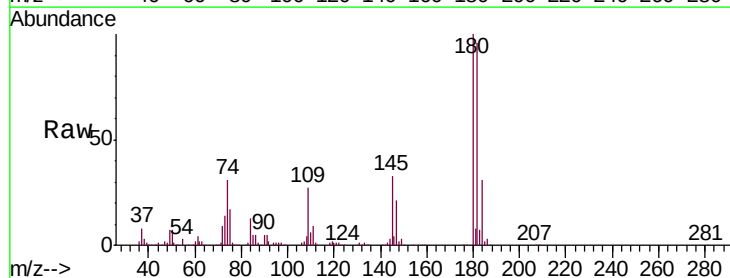
Tgt Ion:180 Resp: 164034

Ion Ratio Lower Upper

180 100

182 95.9 75.8 113.8

145 32.2 25.3 37.9



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

