

Data File : VW013934.D
Acq On : 07 Nov 2019 16:49
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 7.30G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02522

Quant Time: Nov 08 00:52:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110119S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 08 00:49:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	315525	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	298648	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	184179	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	92302	18.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.20%
7) Chloroethane-d5	2.89	69	81227	20.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.84%
10) 1,1-Dichloroethene-d2	4.03	63	209825	20.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.92%
20) 2-Butanone-d5	7.07	46	68560	38.81	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.62%
24) Chloroform-d	7.65	84	222457	22.38	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.52%
26) 1,2-Dichloroethane-d4	8.30	65	112808	21.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.32%
29) Benzene-d6	8.27	84	437771	21.88	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.52%
33) 1,2-Dichloropropane-d6	9.27	67	135763	22.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.68%
37) Toluene-d8	10.32	98	409666	21.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.36%
38) trans-1,3-Dichloropropene-	10.57	79	60237	21.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.12%
39) 2-Hexanone-d5	10.92	63	58058	42.20	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.40%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	117821	21.99	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.96%
61) 1,2-Dichlorobenzene-d4	13.85	152	160497	22.02	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.08%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	77542	22.864 ug/L	97
3) Chloromethane	2.21	50	82376	21.179 ug/L	100
5) Vinyl chloride	2.37	62	139842	25.173 ug/L	98
6) Bromomethane	2.78	94	86265	24.687 ug/L	99
8) Chloroethane	2.93	64	80787	25.617 ug/L	93
9) Trichlorofluoromethane	3.26	101	76628	27.078 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	140270	25.828 ug/L	98
12) 1,1-Dichloroethene	4.04	96	139612	25.639 ug/L	86
13) Acetone	4.12	43	64713	37.610 ug/L	98
14) Carbon disulfide	4.38	76	401411	25.792 ug/L	99
15) Methyl Acetate	4.67	43	64965	21.805 ug/L	100
16) Methylene chloride	4.92	84	141753	24.028 ug/L	96
17) Methyl tert-butyl Ether	5.42	73	172188	24.996 ug/L	# 87
18) trans-1,2-Dichloroethene	5.42	96	145091	25.566 ug/L	94
19) 1,1-Dichloroethane	6.21	63	244947	25.422 ug/L	99
21) 2-Butanone	7.16	43	91692	38.823 ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	155045	25.979 ug/L	95

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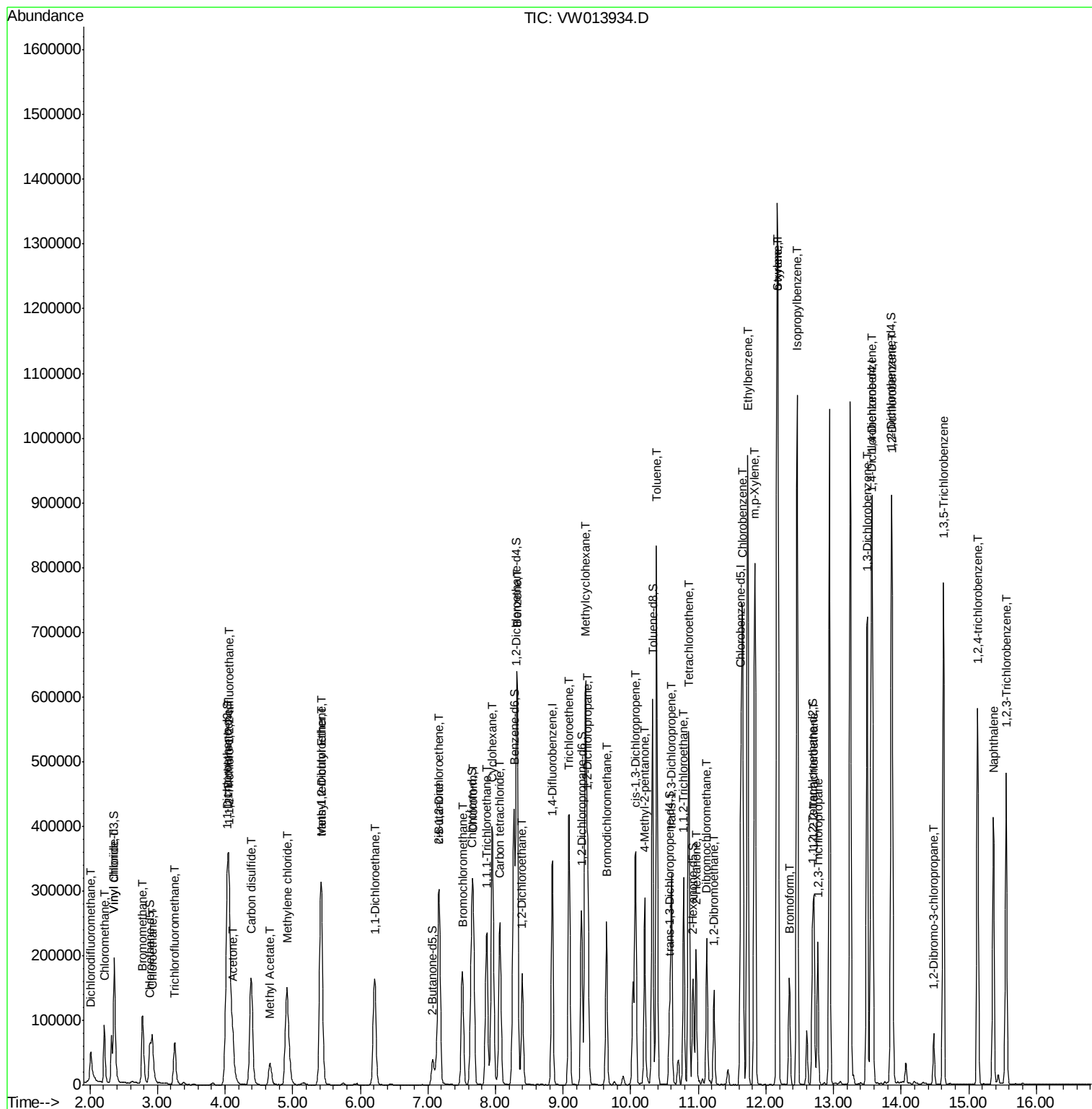
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	69467	24.755	ug/L	97
25) Chloroform	7.67	83	248397	25.641	ug/L	98
27) 1,2-Dichloroethane	8.40	62	156664	24.451	ug/L	99
30) Cyclohexane	7.95	56	242417	26.899	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	197885	27.058	ug/L	99
32) Carbon tetrachloride	8.07	117	193928	27.117	ug/L	100
34) Benzene	8.32	78	577569	26.638	ug/L	100
35) Trichloroethene	9.09	95	150588	26.348	ug/L	98
36) Methylcyclohexane	9.34	83	268562	26.771	ug/L	99
40) 1,2-Dichloropropane	9.37	63	140419	26.386	ug/L	100
41) Bromodichloromethane	9.64	83	176621	26.401	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	222848	26.572	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	183866	44.925	ug/L	100
44) Toluene	10.38	91	632155	27.133	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	180523	26.050	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	106108	24.970	ug/L	99
47) Tetrachloroethene	10.86	164	140206	26.645	ug/L	98
49) 2-Hexanone	10.97	43	130133	43.282	ug/L	97
50) Dibromochloromethane	11.13	129	128396	26.028	ug/L	97
51) 1,2-Dibromoethane	11.23	107	102833	24.479	ug/L	98
52) Chlorobenzene	11.66	112	398883	26.547	ug/L	100
53) Ethylbenzene	11.73	91	696478	26.855	ug/L	99
54) m,p-Xylene	11.83	106	272488	27.263	ug/L	97
55) o-xylene	12.16	106	256188	27.117	ug/L	99
56) Styrene	12.18	104	445440	27.323	ug/L	96
57) Isopropylbenzene	12.46	105	695709	27.310	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	124921	23.342	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	92653	23.059	ug/L	100
62) Bromoform	12.35	173	79248	23.666	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	328113	25.725	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	327051	25.580	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	294681	25.551	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	19394	20.992	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	262461	27.321	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	205040	26.364	ug/L	98
69) Naphthalene	15.36	128	359194	24.344	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	183892	25.659	ug/L	98

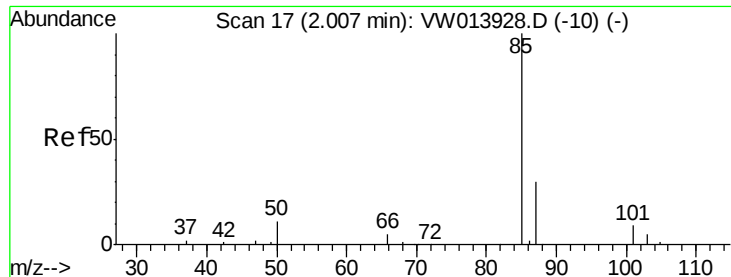
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.864 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW013934.D

Acq: 07 Nov 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

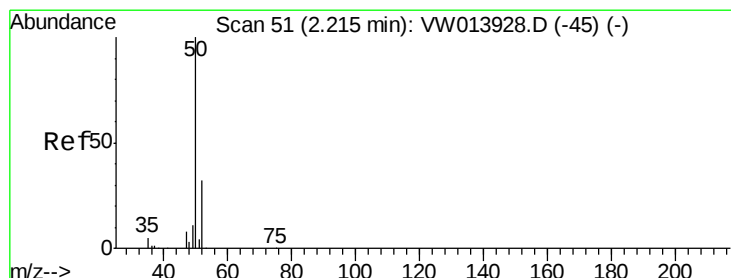
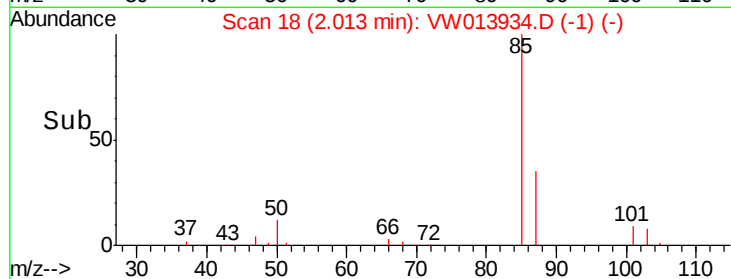
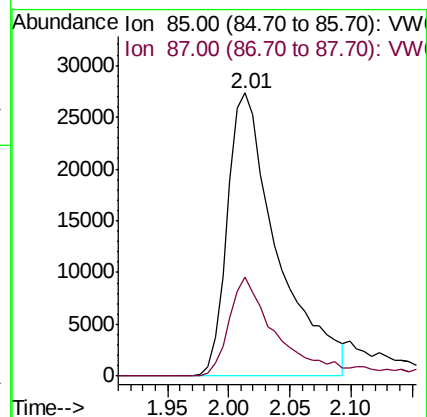
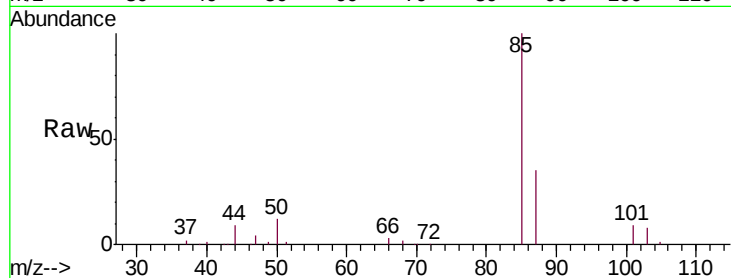
VSTD02522

Tgt Ion: 85 Resp: 77542

Ion Ratio Lower Upper

85 100

87 32.7 21.6 40.2



#3

Chloromethane

Concen: 21.179 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013934.D

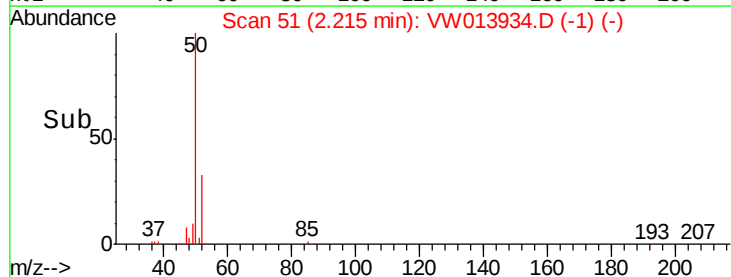
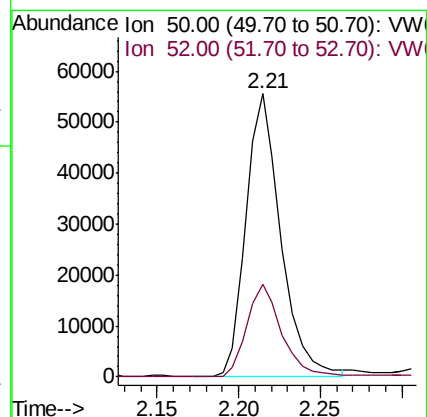
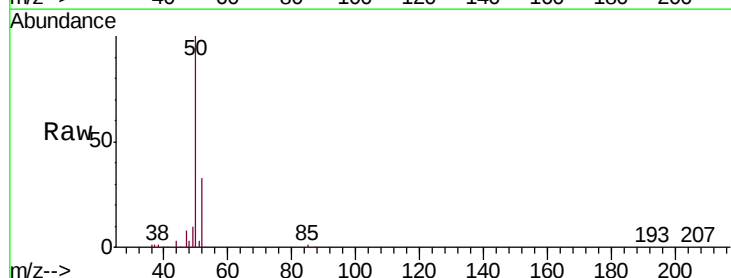
Acq: 07 Nov 2019 16:49

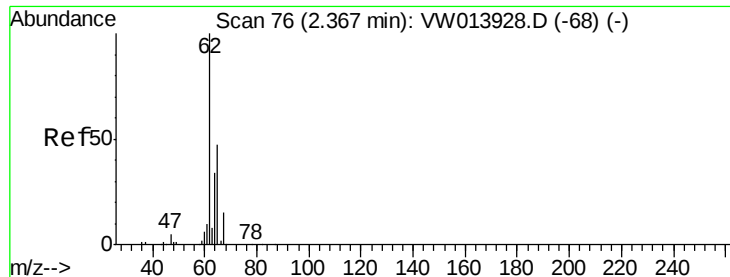
Tgt Ion: 50 Resp: 82376

Ion Ratio Lower Upper

50 100

52 32.9 23.0 42.6





#5

Vinyl chloride

Concen: 25.173 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW013934.D

Acq: 07 Nov 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

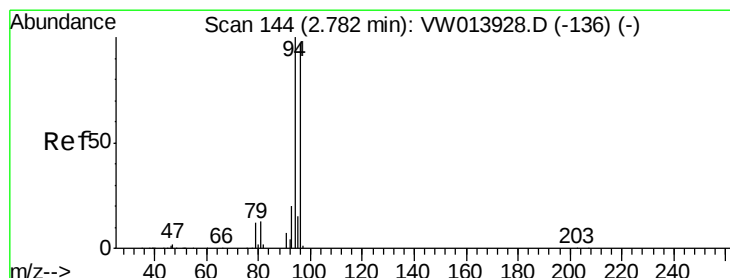
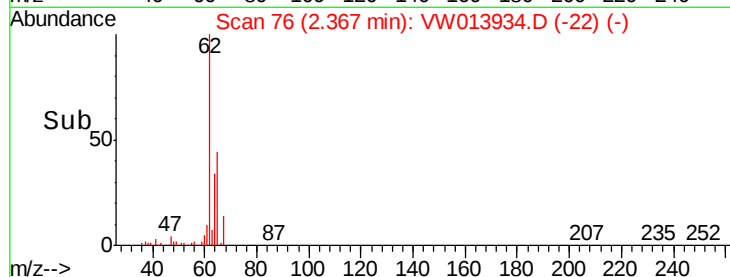
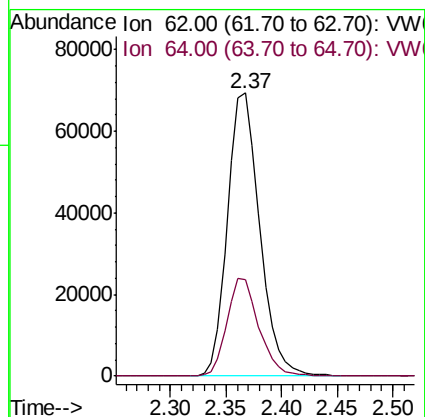
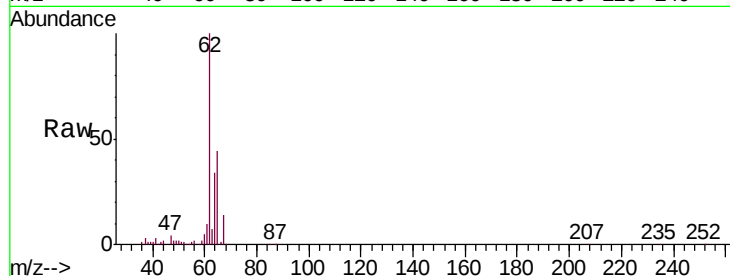
VSTD02522

Tgt Ion: 62 Resp: 139842

Ion Ratio Lower Upper

62 100

64 34.2 23.3 43.3



#6

Bromomethane

Concen: 24.687 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW013934.D

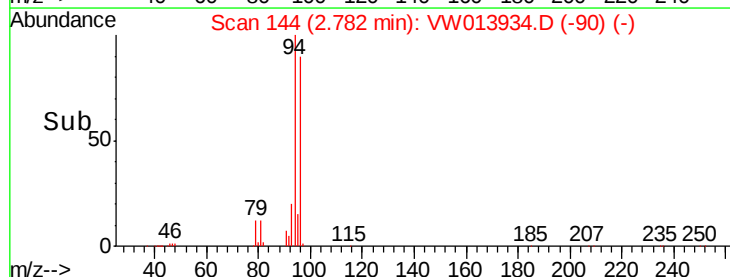
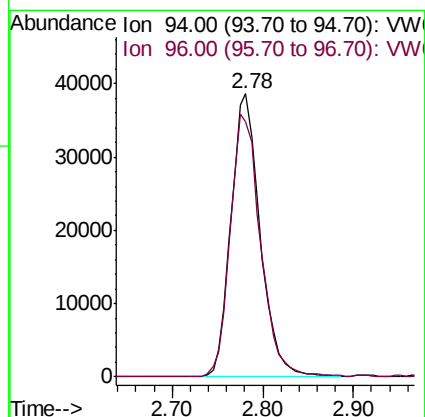
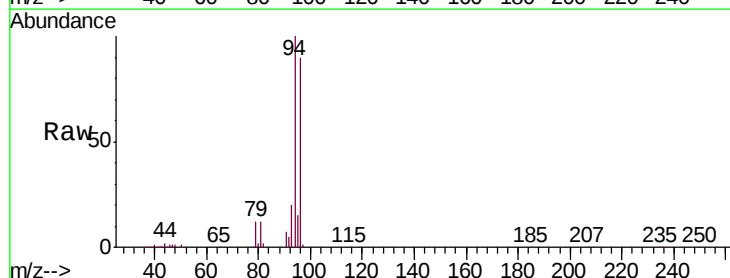
Acq: 07 Nov 2019 16:49

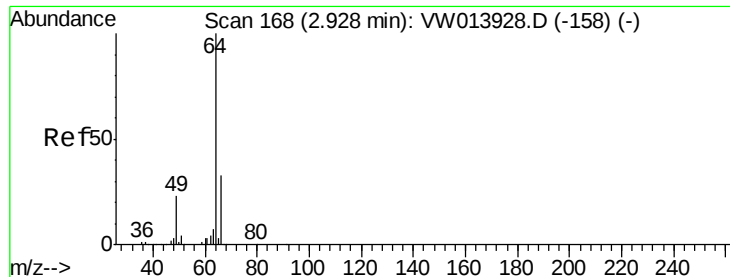
Tgt Ion: 94 Resp: 86265

Ion Ratio Lower Upper

94 100

96 95.7 9.5 179.7





#8

Chloroethane

Concen: 25.617 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW013934.D

Acq: 07 Nov 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

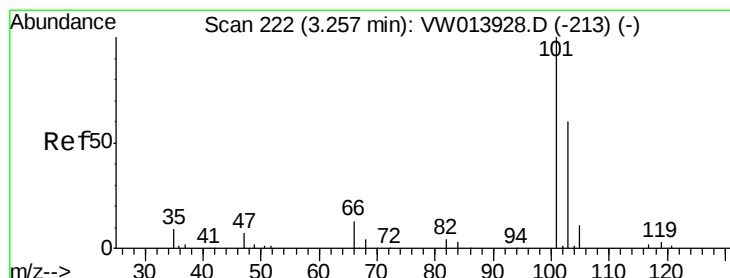
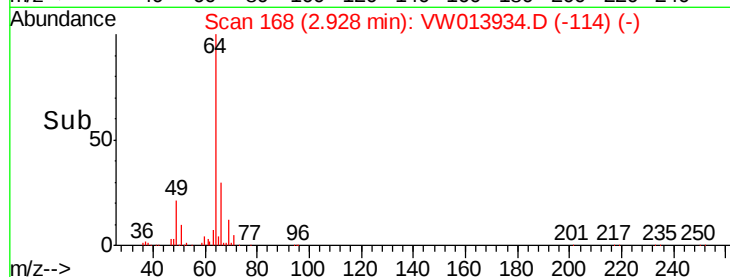
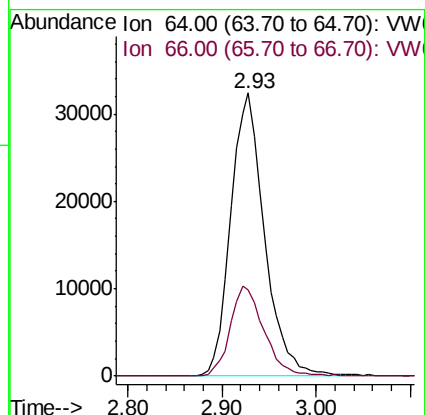
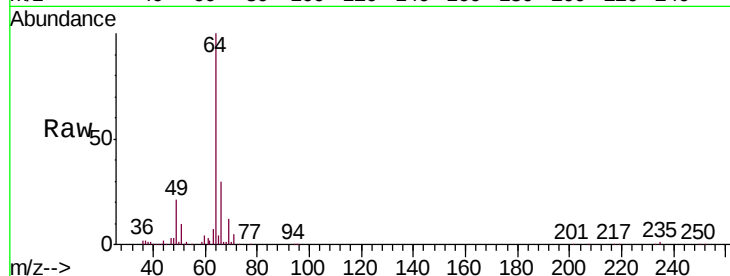
VSTD02522

Tgt Ion: 64 Resp: 80787

Ion Ratio Lower Upper

64 100

66 30.3 24.1 44.7



#9

Trichlorofluoromethane

Concen: 27.078 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW013934.D

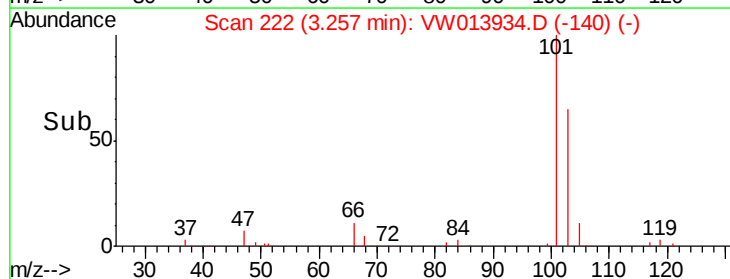
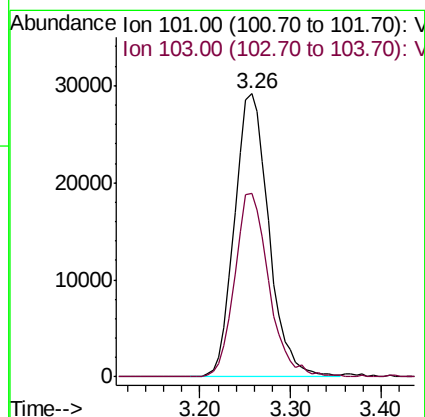
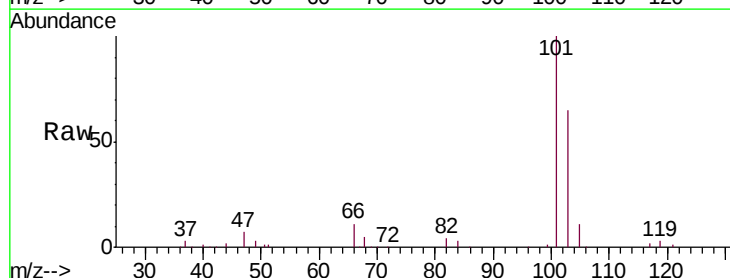
Acq: 07 Nov 2019 16:49

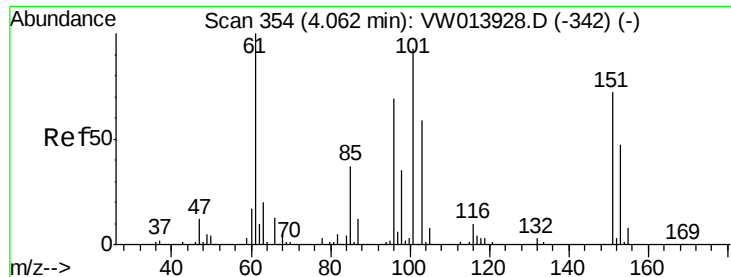
Tgt Ion: 101 Resp: 76628

Ion Ratio Lower Upper

101 100

103 64.2 44.9 83.3





#11

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

Concen: 25.828 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

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ClientSampleId :

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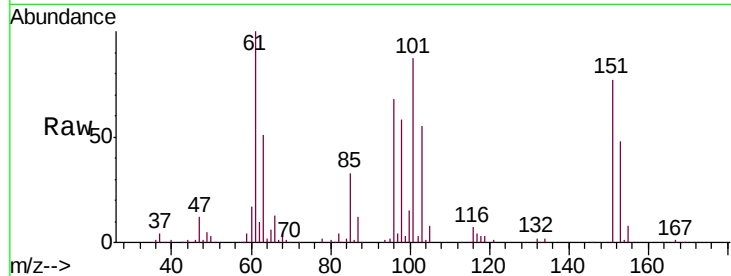
Tgt Ion: 101 Resp: 140270

Ion Ratio Lower Upper

101 100

85 40.2 30.9 46.3

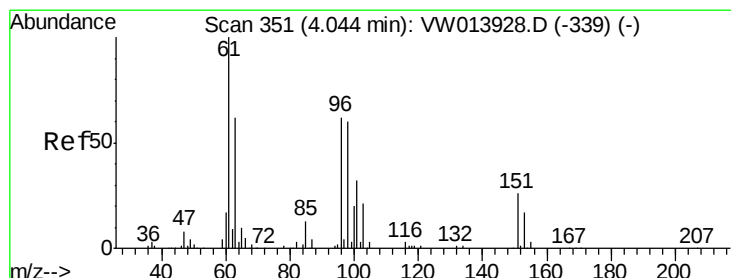
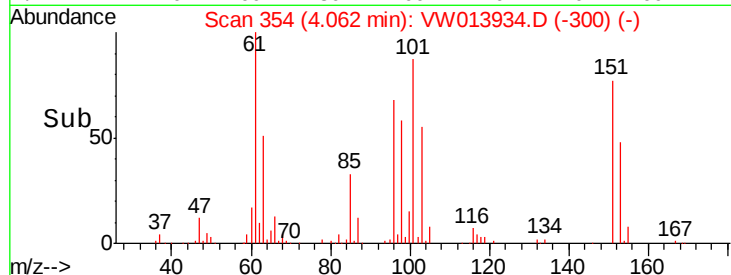
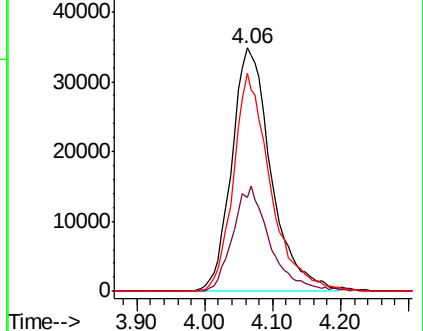
151 84.2 66.3 99.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.639 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

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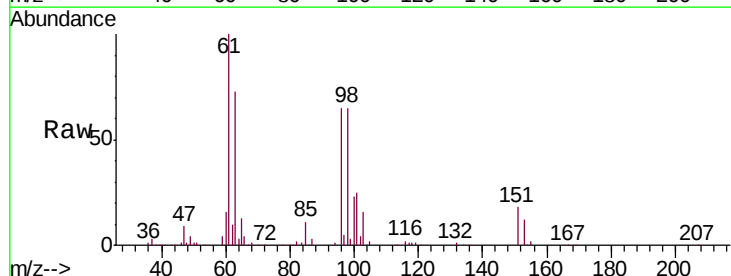
Tgt Ion: 96 Resp: 139612

Ion Ratio Lower Upper

96 100

61 154.5 115.1 213.8

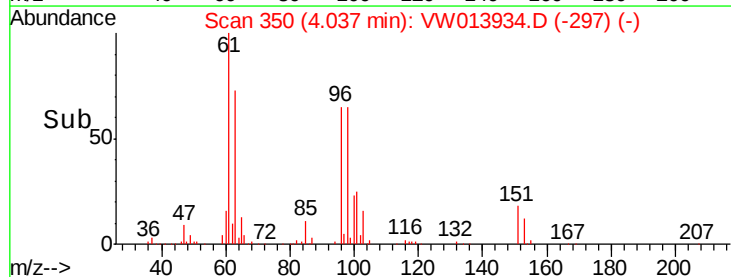
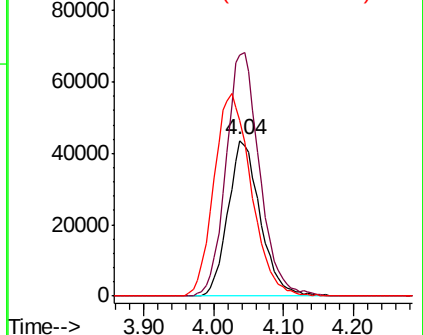
63 112.6 97.4 180.8

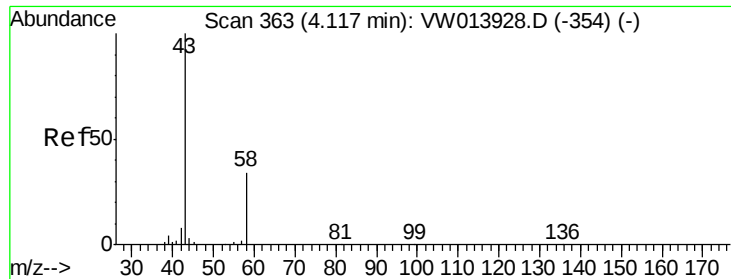


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 37.610 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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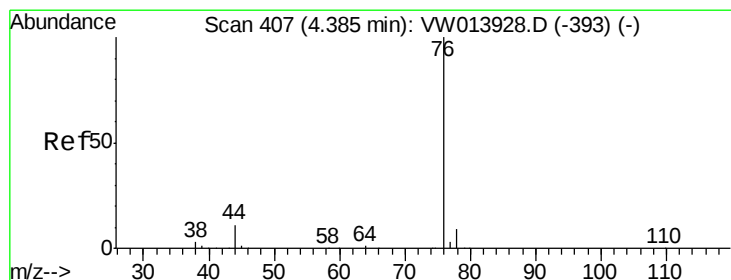
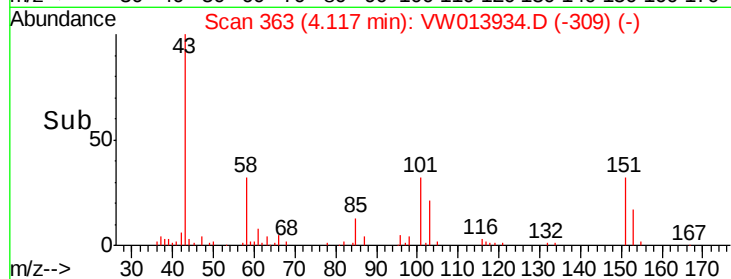
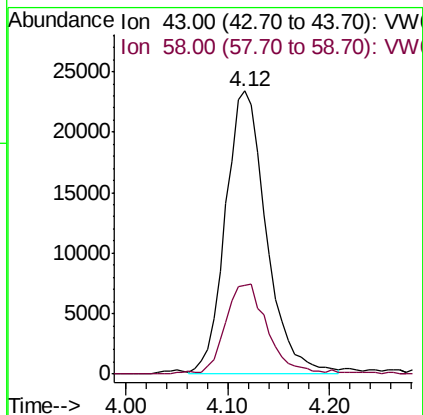
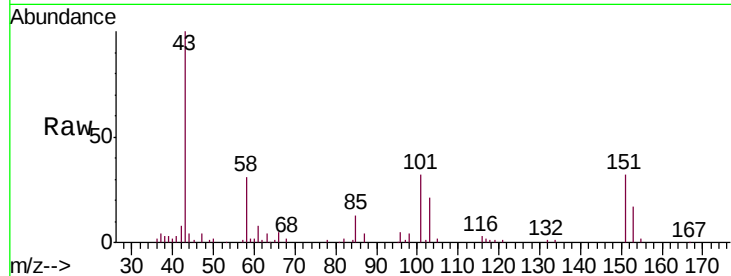
VSTD02522

Tgt Ion: 43 Resp: 64713

Ion Ratio Lower Upper

43 100

58 32.6 0.0 62.8



#14

Carbon disulfide

Concen: 25.792 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW013934.D

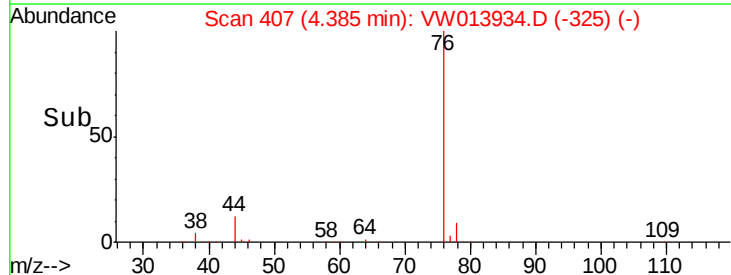
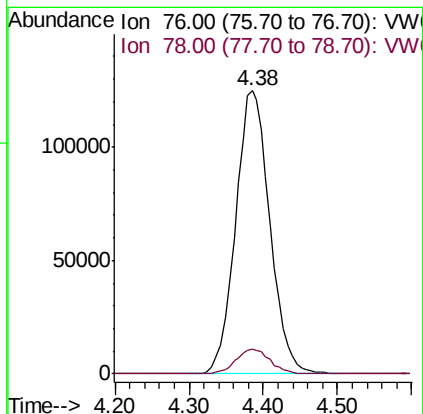
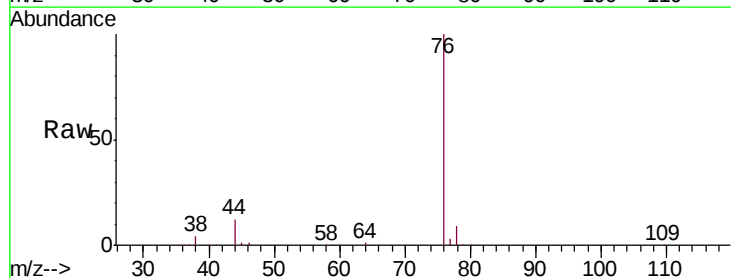
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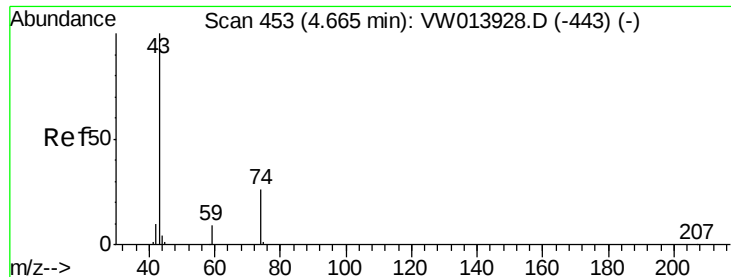
Tgt Ion: 76 Resp: 401411

Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9

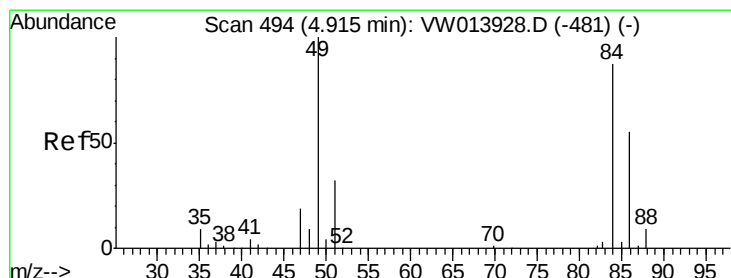
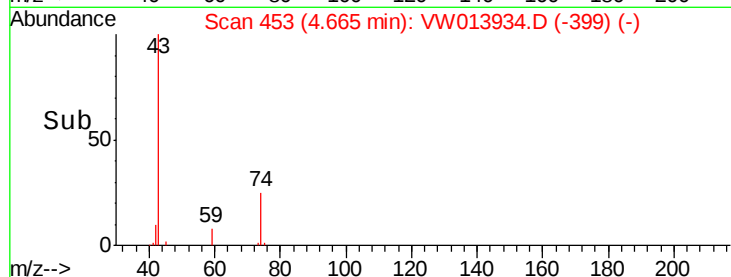
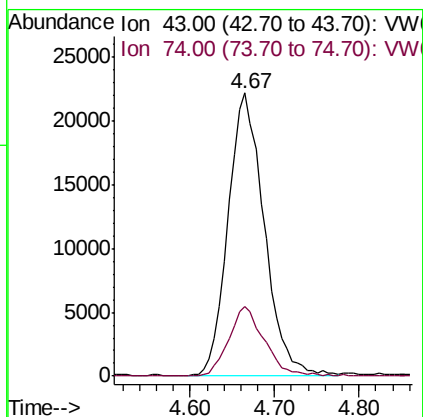
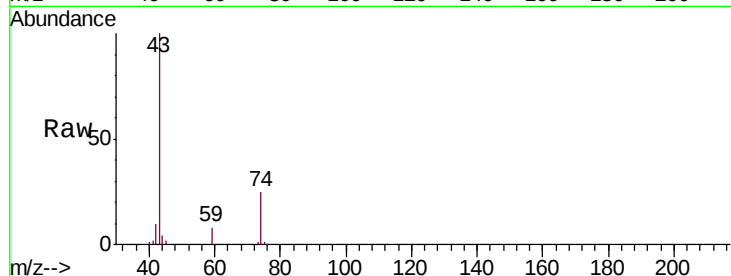




#15
Methyl Acetate
Concen: 21.805 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013934.D
Acq: 07 Nov 2019 16:49

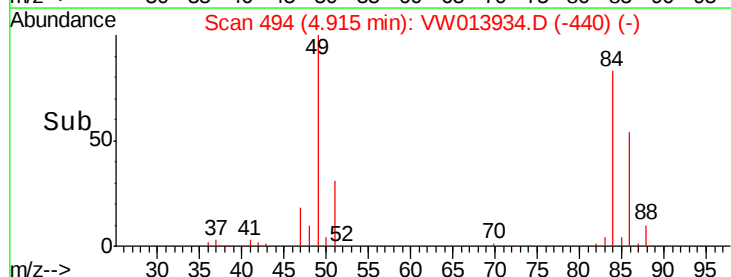
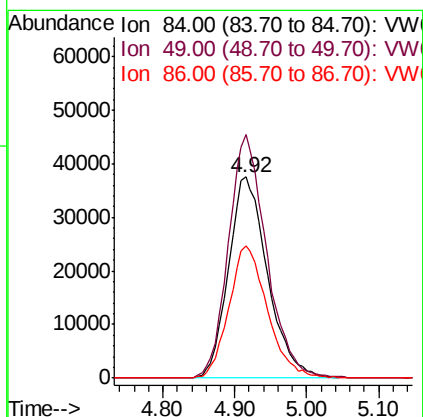
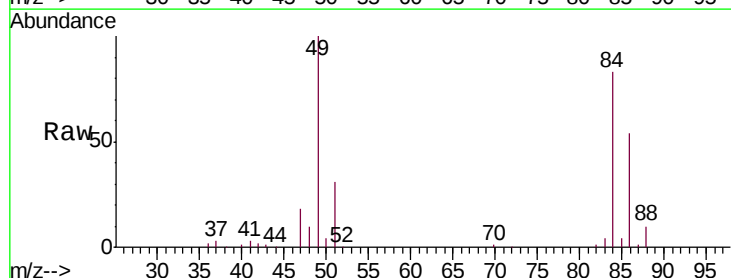
Instrument :
MSVOA_W
ClientSampleId :
VSTD02522

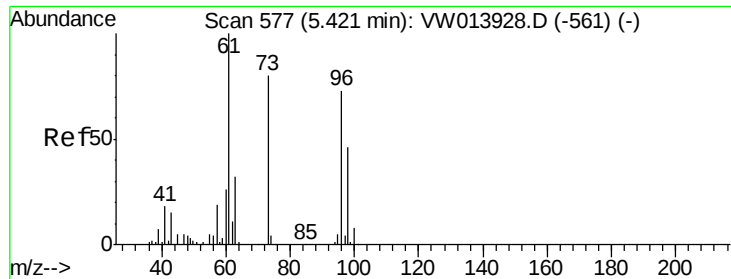
Tgt Ion: 43 Resp: 64965
Ion Ratio Lower Upper
43 100
74 23.8 19.1 28.7



#16
Methylene chloride
Concen: 24.028 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW013934.D
Acq: 07 Nov 2019 16:49

Tgt Ion: 84 Resp: 141753
Ion Ratio Lower Upper
84 100
49 121.2 79.7 148.1
86 65.8 46.4 86.2

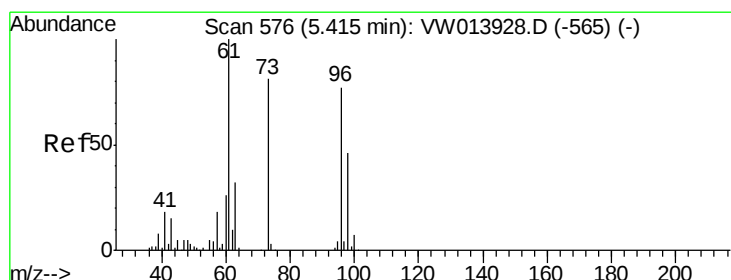
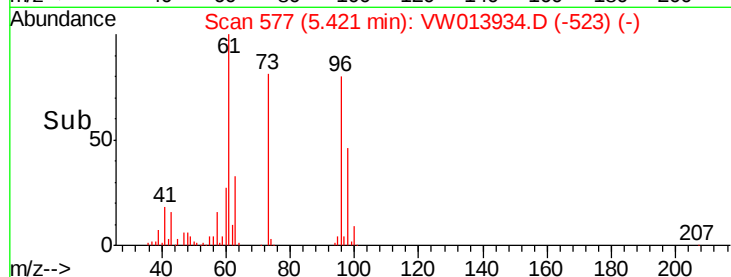
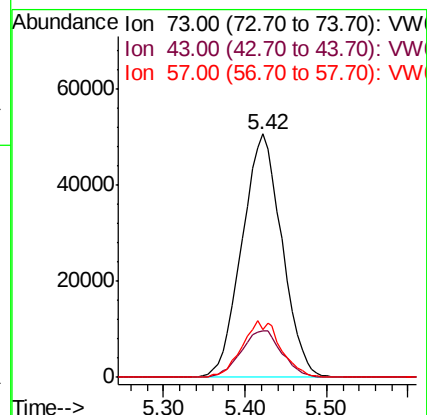
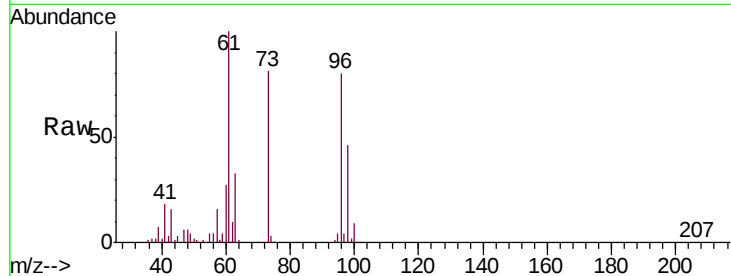




#17
Methyl tert-butyl Ether
Concen: 24.996 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013934.D
Acq: 07 Nov 2019 16:49

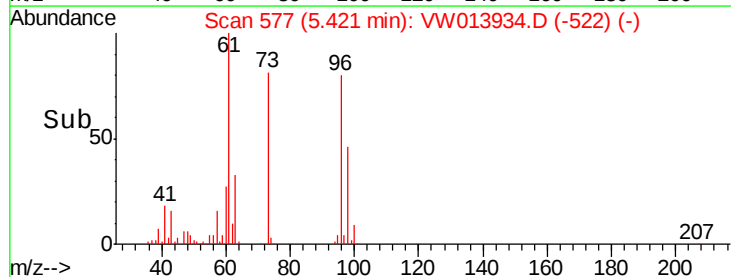
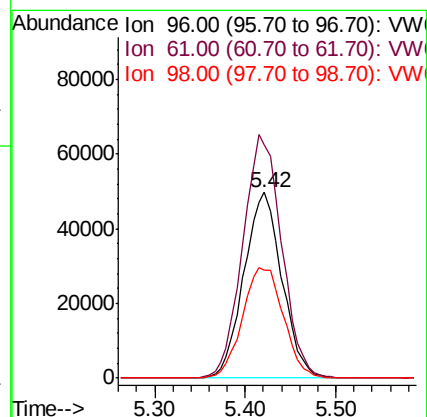
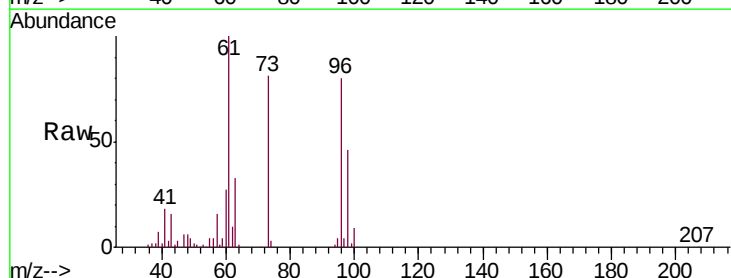
Instrument :
MSVOA_W
ClientSampleId :
VSTD02522

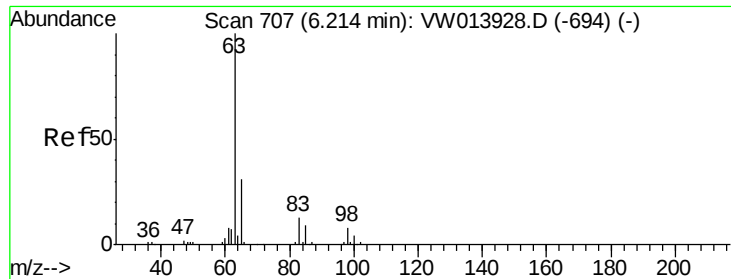
Tgt Ion: 73 Resp: 172188
Ion Ratio Lower Upper
73 100
43 19.6 14.4 21.6
57 12.6 17.8 26.6#



#18
trans-1,2-Dichloroethene
Concen: 25.566 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW013934.D
Acq: 07 Nov 2019 16:49

Tgt Ion: 96 Resp: 145091
Ion Ratio Lower Upper
96 100
61 125.5 92.6 172.0
98 57.9 43.8 81.3





#19

1,1-Dichloroethane

Concen: 25.422 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013934.D

Acq: 07 Nov 2019 16:49

Instrument :

MSVOA_W

ClientSampled :

VSTD02522

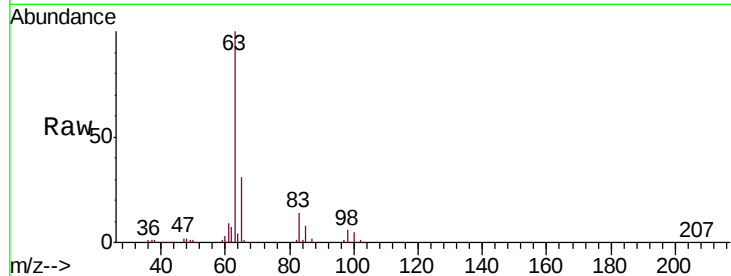
Tgt Ion: 63 Resp: 244947

Ion Ratio Lower Upper

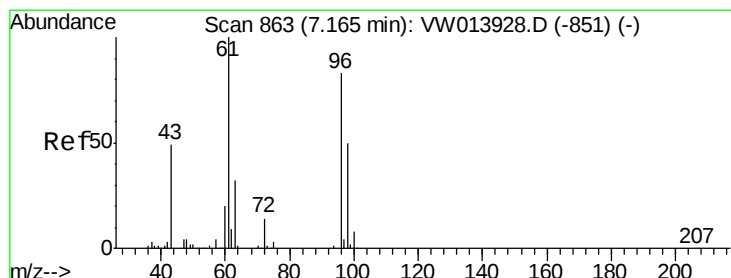
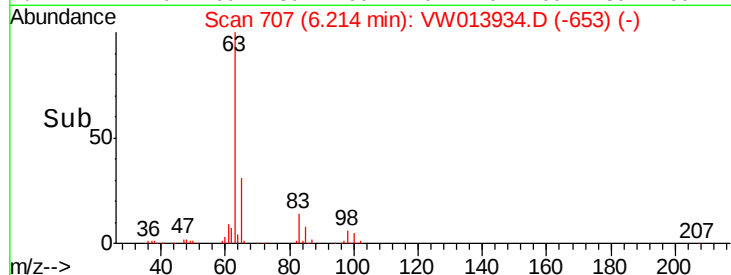
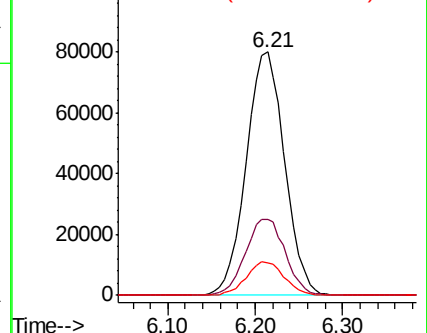
63 100

65 31.3 22.3 41.5

83 13.5 10.1 18.7



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: 38.823 ug/L

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013934.D

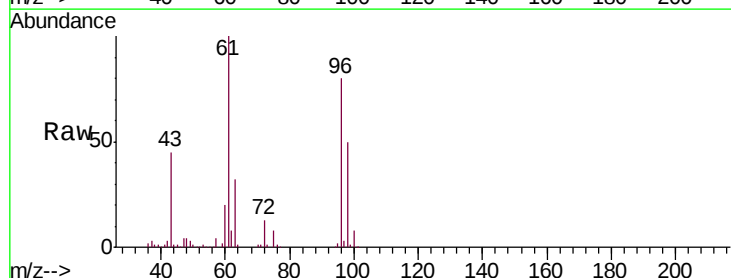
Acq: 07 Nov 2019 16:49

Tgt Ion: 43 Resp: 91692

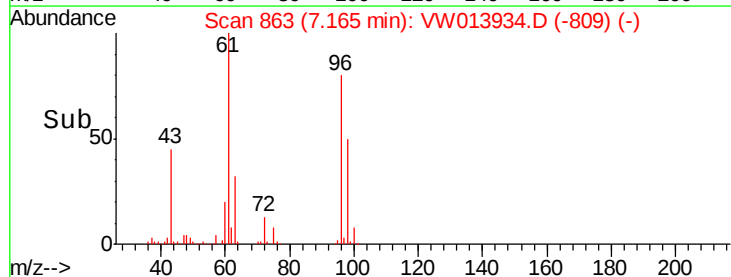
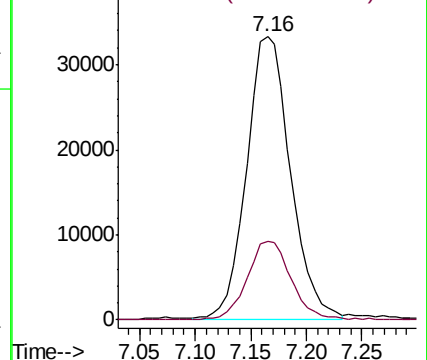
Ion Ratio Lower Upper

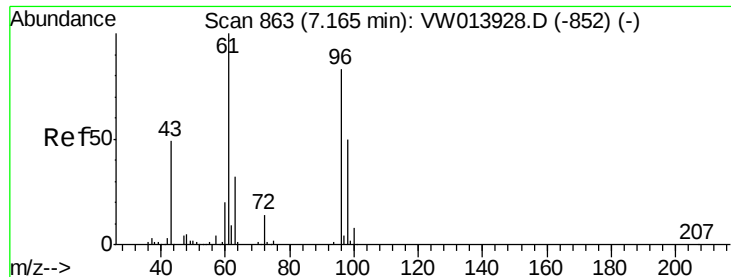
43 100

72 27.7 13.6 40.8



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



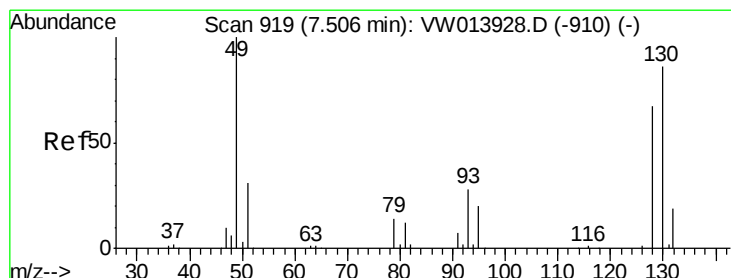
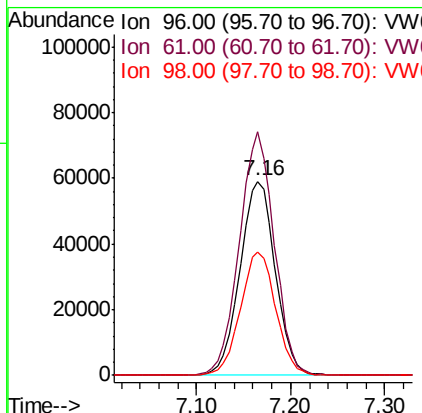
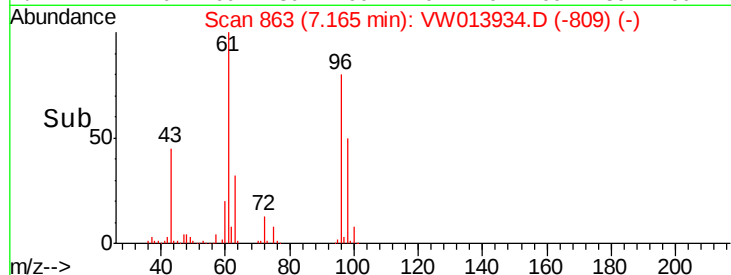
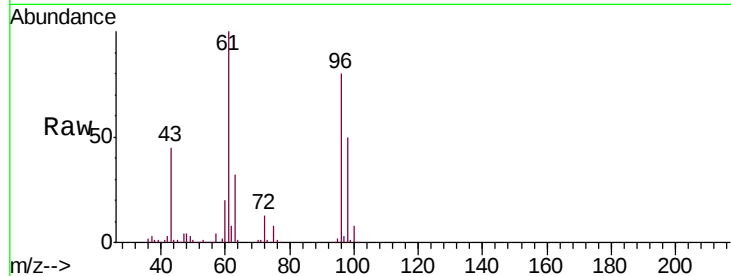


#22

cis-1,2-Dichloroethene
Concen: 25.979 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013934.D
Acq: 07 Nov 2019 16:49

Instrument :
MSVOA_W
ClientSampleId :
VSTD02522

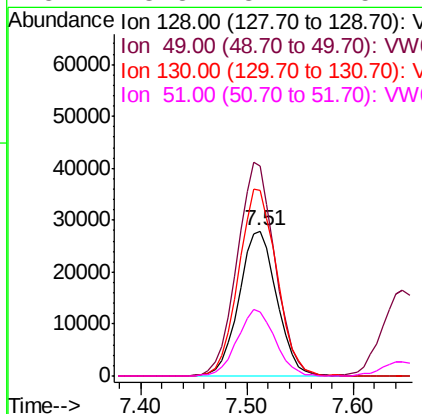
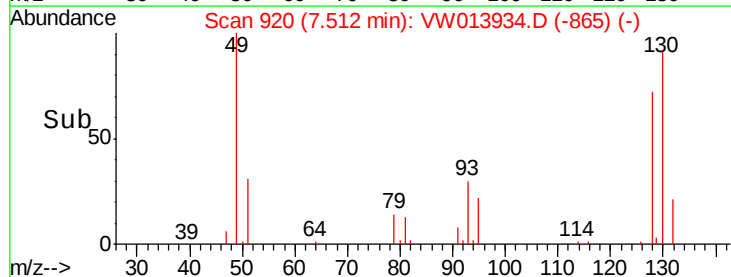
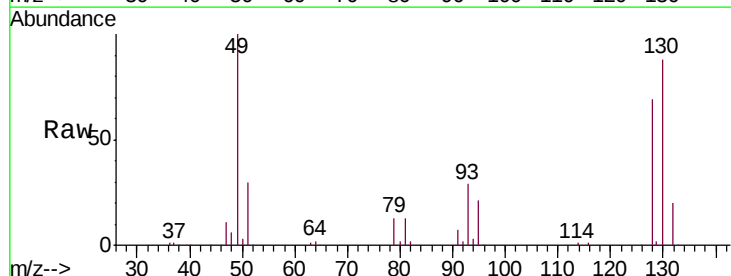
Tgt Ion: 96 Resp: 155045
Ion Ratio Lower Upper
96 100
61 125.6 82.3 152.9
98 63.4 44.0 81.8

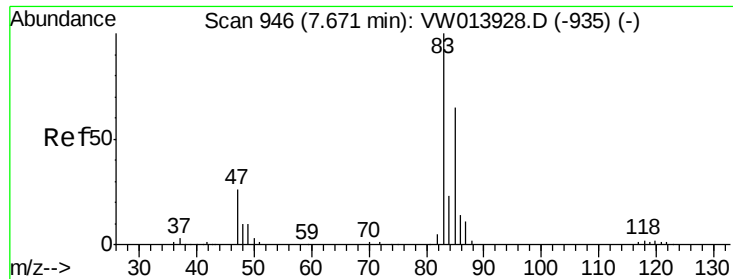


#23

Bromochloromethane
Concen: 24.755 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW013934.D
Acq: 07 Nov 2019 16:49

Tgt Ion: 128 Resp: 69467
Ion Ratio Lower Upper
128 100
49 144.9 98.7 183.3
130 127.6 86.8 161.2
51 43.8 34.2 51.2





#25

Chloroform

Concen: 25.641 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW013934.D

Acq: 07 Nov 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

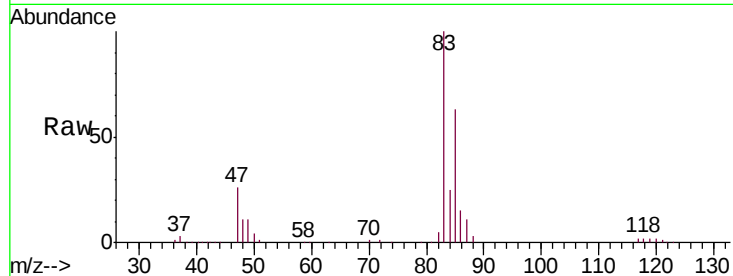
VSTD02522

Tgt Ion: 83 Resp: 248397

Ion Ratio Lower Upper

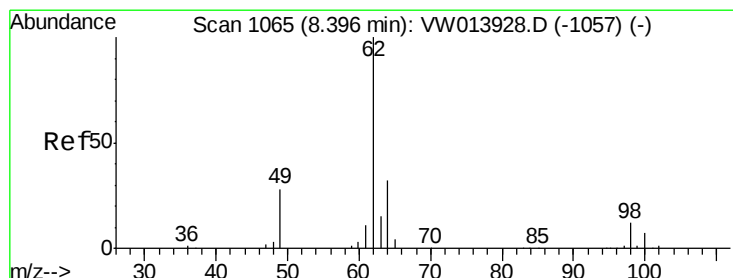
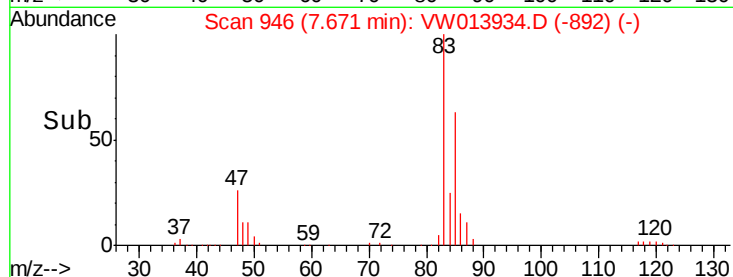
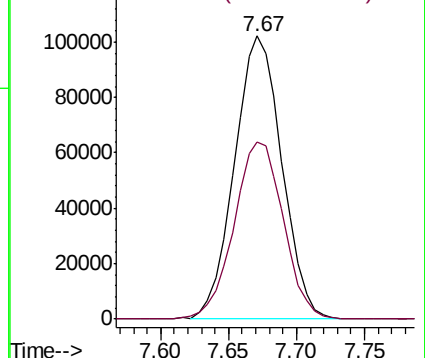
83 100

85 65.1 46.9 87.1



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 24.451 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013934.D

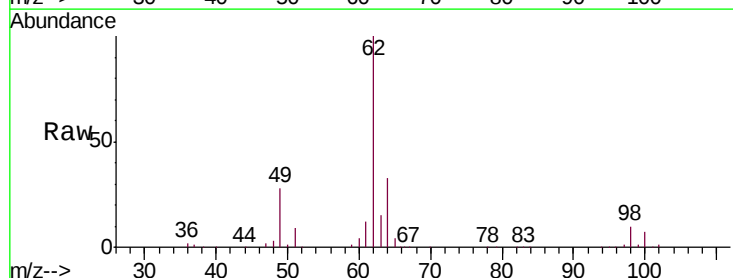
Acq: 07 Nov 2019 16:49

Tgt Ion: 62 Resp: 156664

Ion Ratio Lower Upper

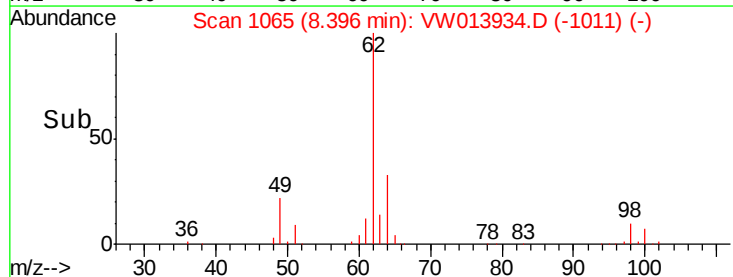
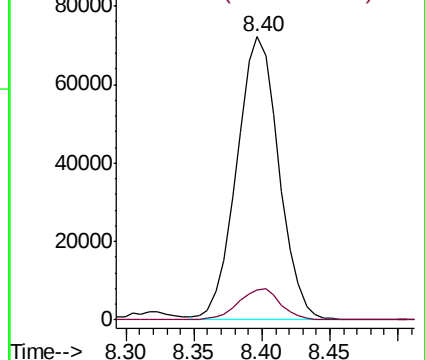
62 100

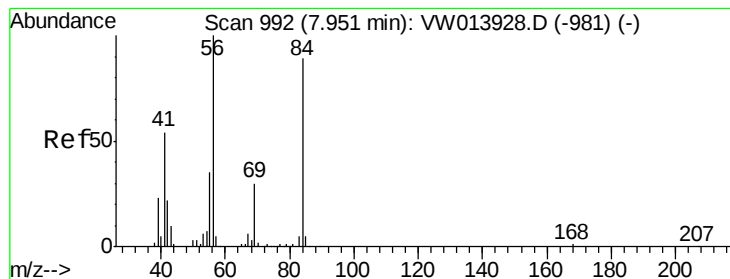
98 10.5 8.2 12.2



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW





#30

Cyclohexane

Concen: 26.899 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013934.D

Acq: 07 Nov 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

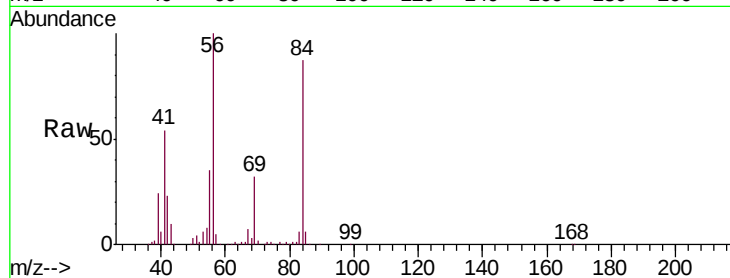
Tgt Ion: 56 Resp: 242417

Ion Ratio Lower Upper

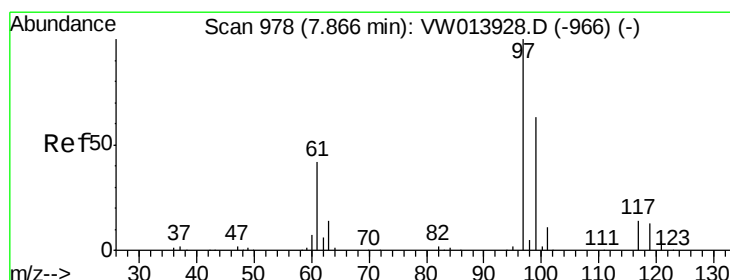
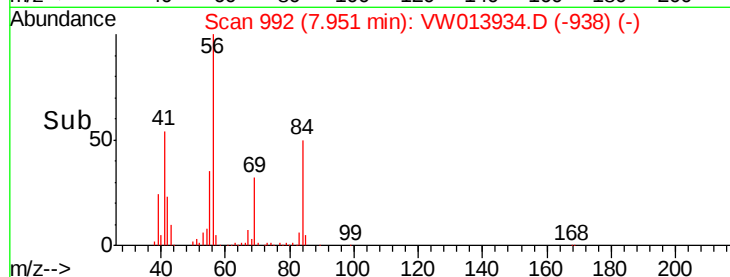
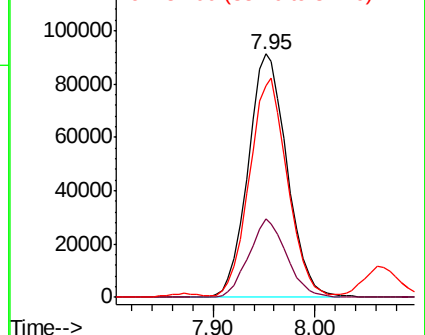
56 100

69 31.1 24.5 36.7

84 88.2 70.6 105.8



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



#31

1,1,1-Trichloroethane

Concen: 27.058 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW013934.D

Acq: 07 Nov 2019 16:49

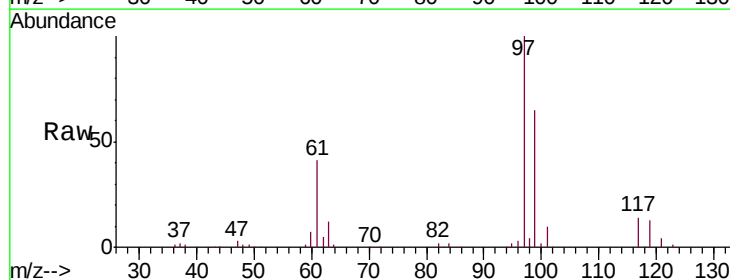
Tgt Ion: 97 Resp: 197885

Ion Ratio Lower Upper

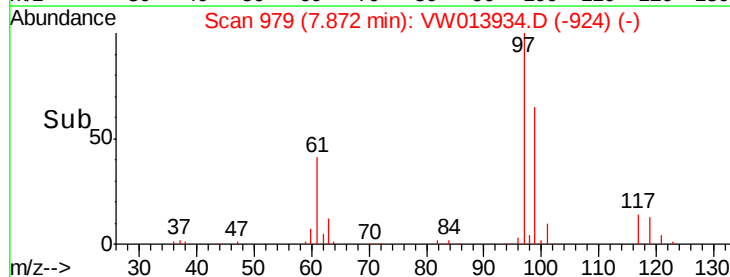
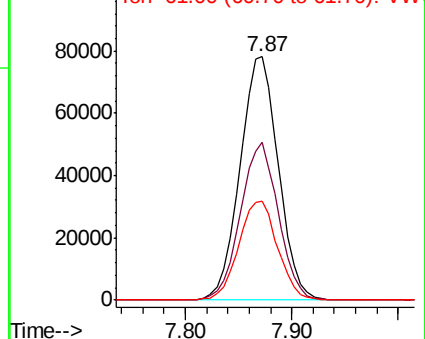
97 100

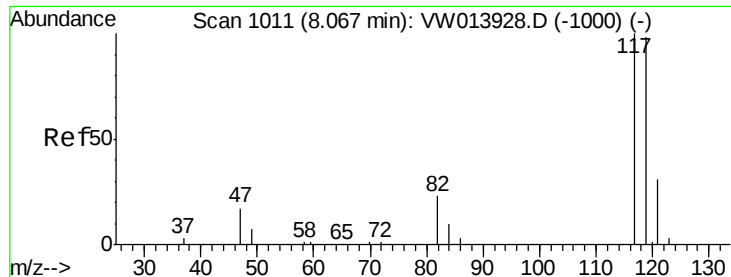
99 64.0 52.0 78.0

61 41.2 33.6 50.4



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





#32

Carbon tetrachloride

Concen: 27.117 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW013934.D

Acq: 07 Nov 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

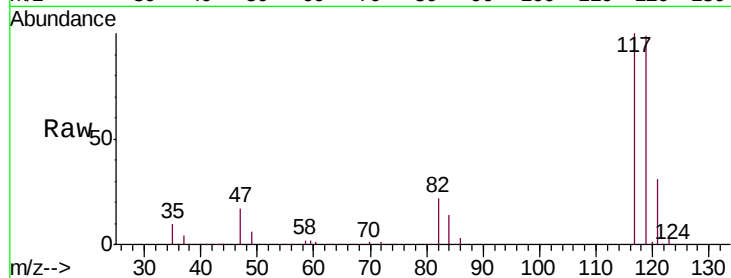
VSTD02522

Tgt Ion:117 Resp: 193928

Ion Ratio Lower Upper

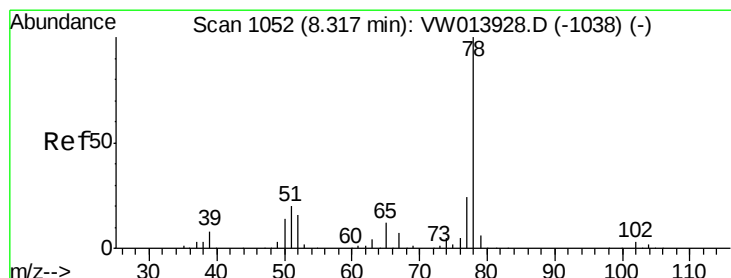
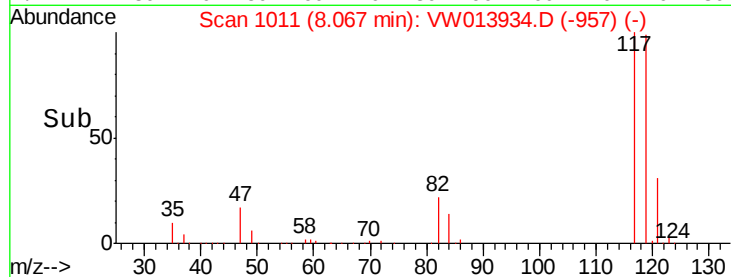
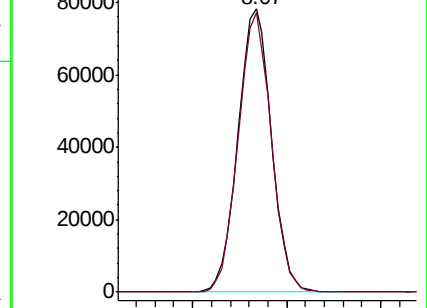
117 100

119 97.3 77.9 116.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.638 ug/L

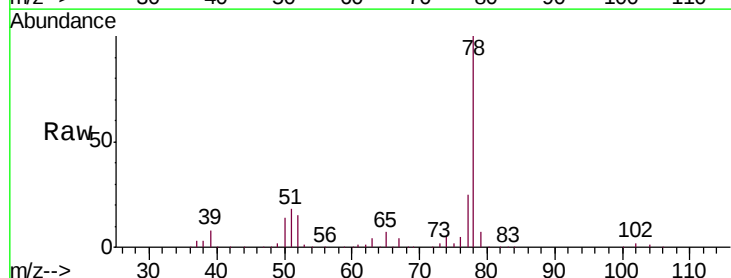
RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

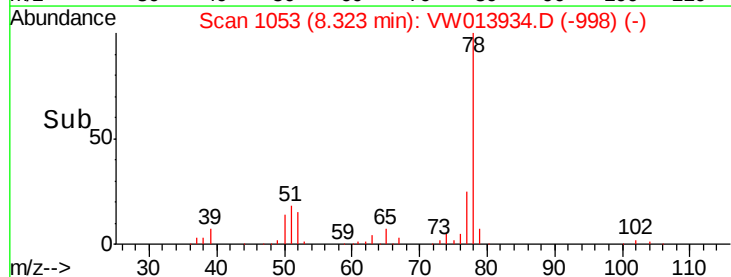
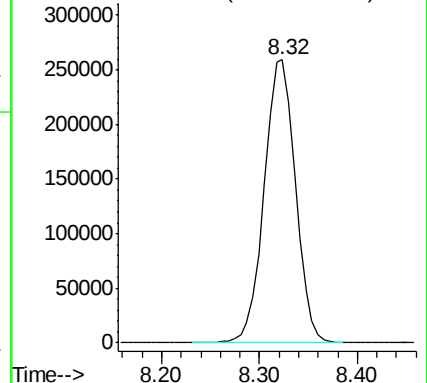
Lab File: VW013934.D

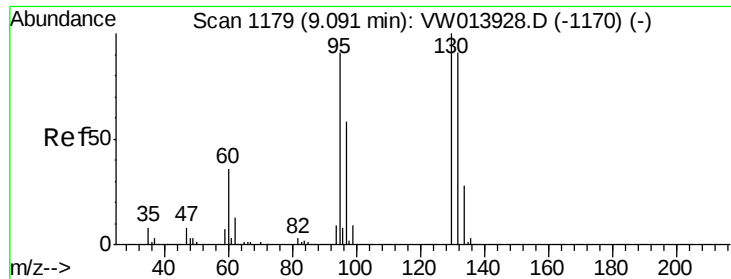
Acq: 07 Nov 2019 16:49

Tgt Ion: 78 Resp: 577569



Abundance Ion 78.00 (77.70 to 78.70): VW

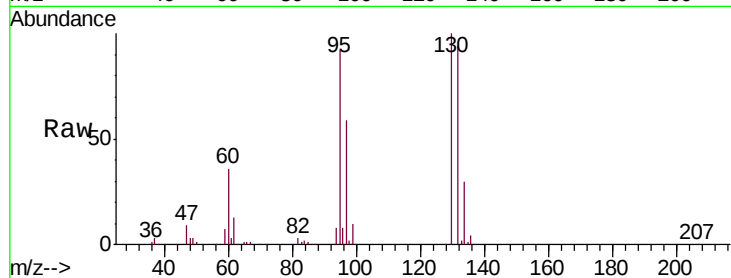




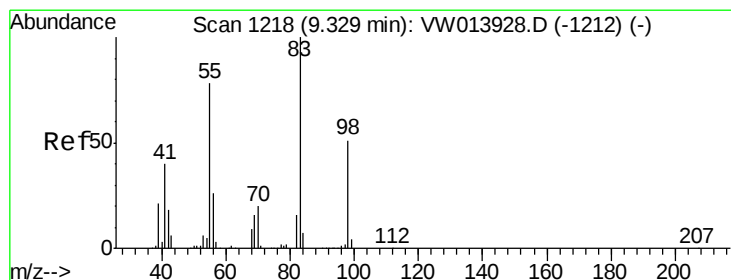
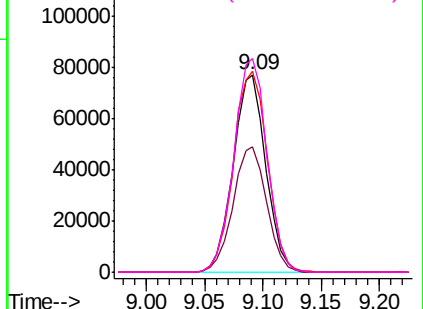
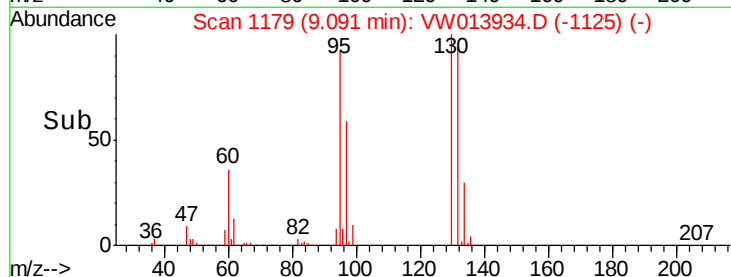
#35
 Trichloroethene
 Concen: 26.348 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW013934.D
 Acq: 07 Nov 2019 16:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

Tgt Ion:	95	Resp:	150588
Ion	Ratio	Lower	Upper
95	100		
97	65.3	44.9	83.5
132	106.1	73.3	136.1
130	110.0	75.5	140.1

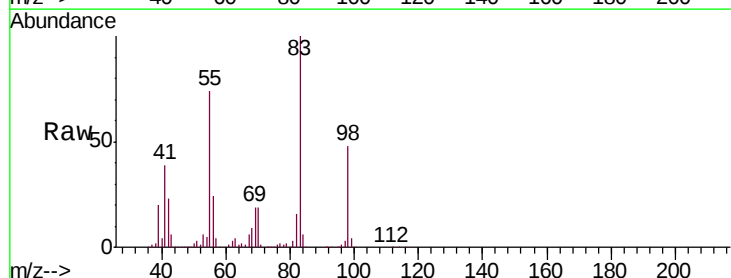


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

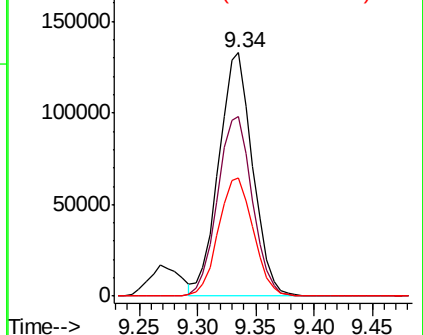
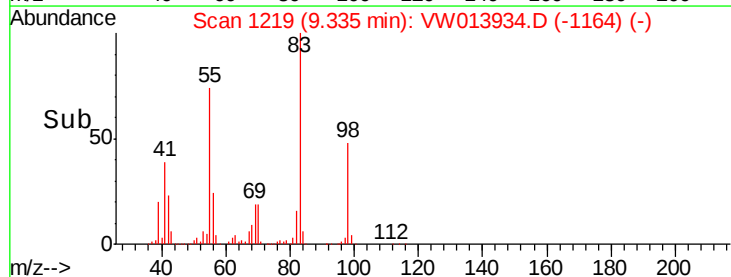


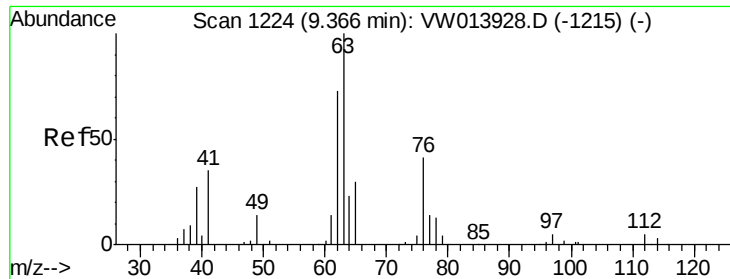
#36
 Methylcyclohexane
 Concen: 26.771 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VW013934.D
 Acq: 07 Nov 2019 16:49

Tgt Ion:	83	Resp:	268562
Ion	Ratio	Lower	Upper
83	100		
55	75.6	60.2	90.2
98	49.9	39.2	58.8



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW

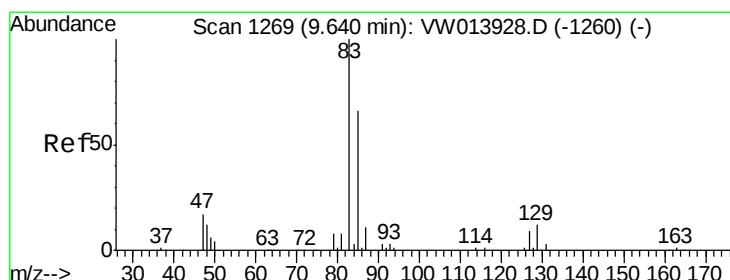
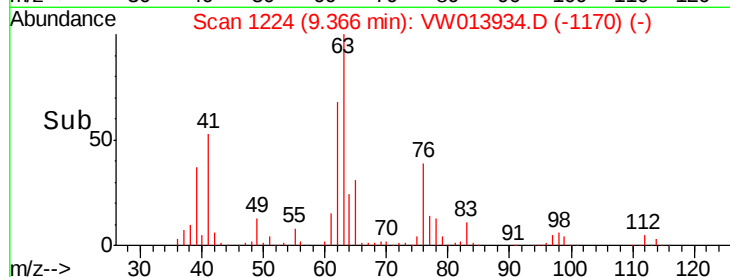
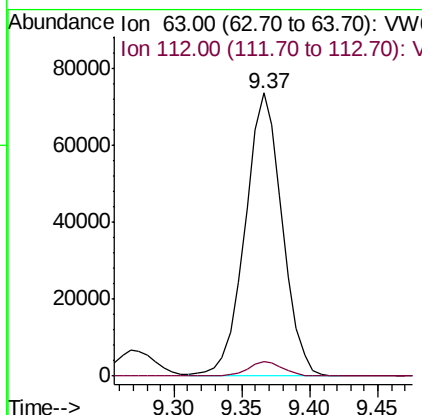
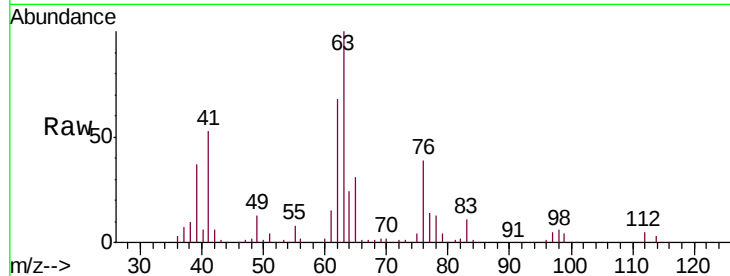




#40
 1,2-Dichloropropane
 Concen: 26.386 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013934.D
 Acq: 07 Nov 2019 16:49

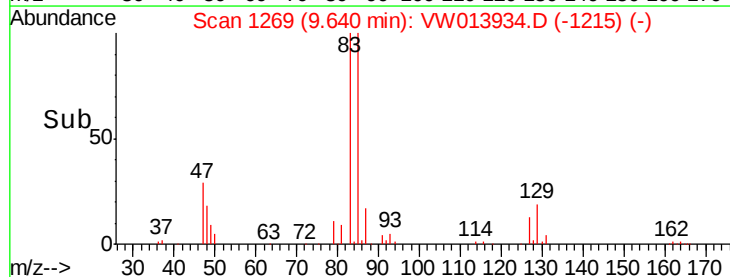
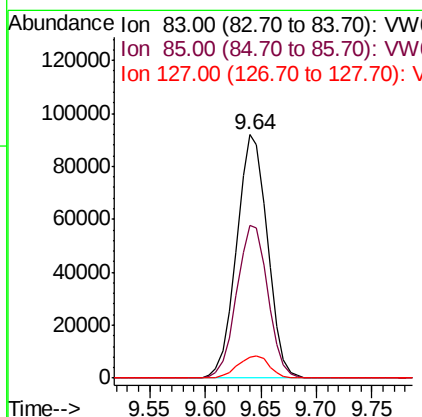
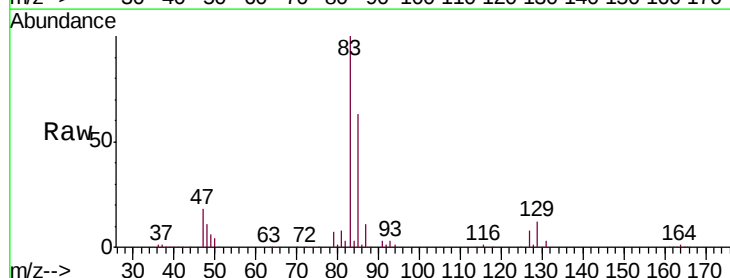
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

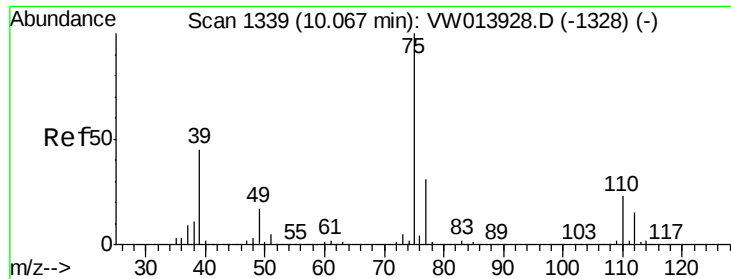
Tgt Ion: 63 Resp: 140419
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.9 5.9



#41
 Bromodichloromethane
 Concen: 26.401 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW013934.D
 Acq: 07 Nov 2019 16:49

Tgt Ion: 83 Resp: 176621
 Ion Ratio Lower Upper
 83 100
 85 62.8 43.5 80.7
 127 8.5 7.0 10.4





#42

cis-1,3-Dichloropropene

Concen: 26.572 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW013934.D

Acq: 07 Nov 2019 16:49

Instrument :

MSVOA_W

ClientSampled :

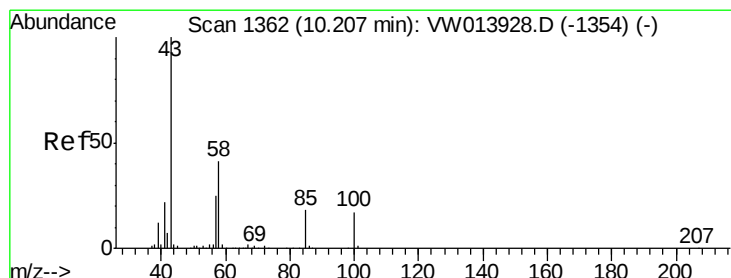
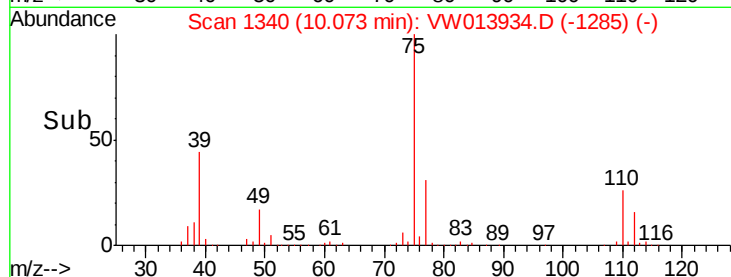
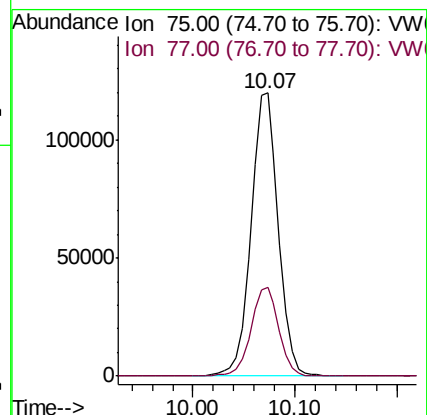
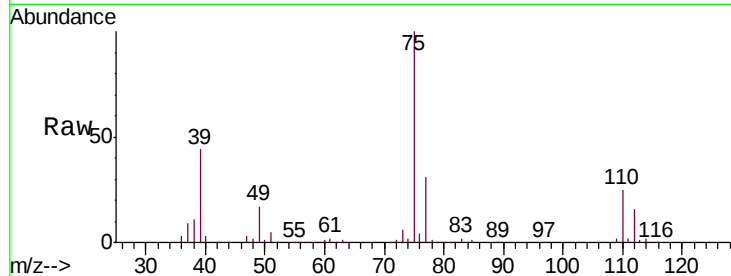
VSTD02522

Tgt Ion: 75 Resp: 222848

Ion Ratio Lower Upper

75 100

77 31.4 21.8 40.4



#43

4-Methyl-2-pentanone

Concen: 44.925 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013934.D

Acq: 07 Nov 2019 16:49

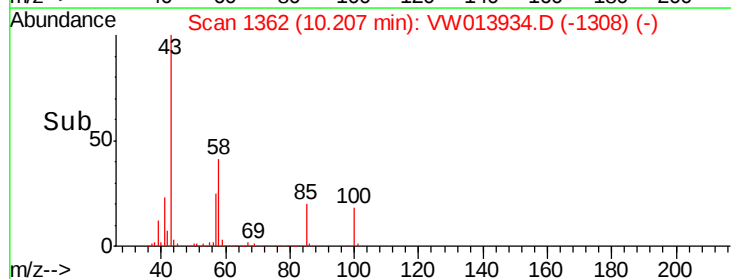
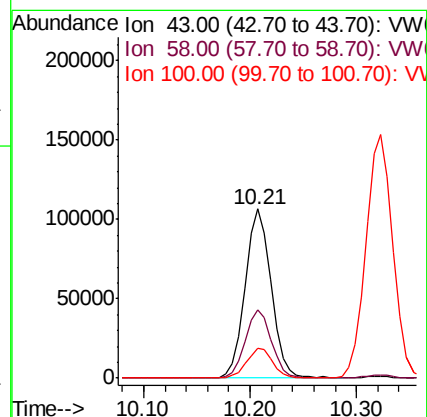
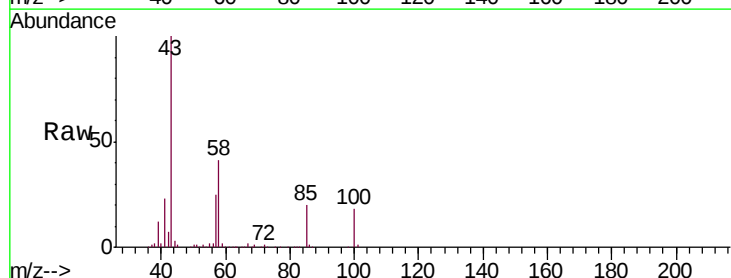
Tgt Ion: 43 Resp: 183866

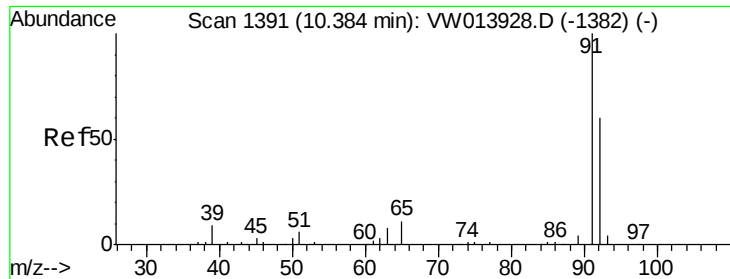
Ion Ratio Lower Upper

43 100

58 40.5 32.6 48.8

100 17.6 14.1 21.1





#44

Toluene

Concen: 27.133 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013934.D

Acq: 07 Nov 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

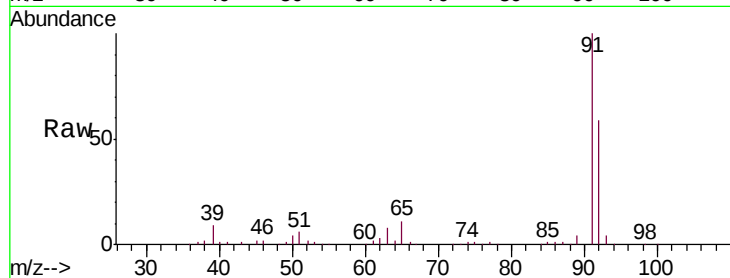
VSTD02522

Tgt Ion: 91 Resp: 632155

Ion Ratio Lower Upper

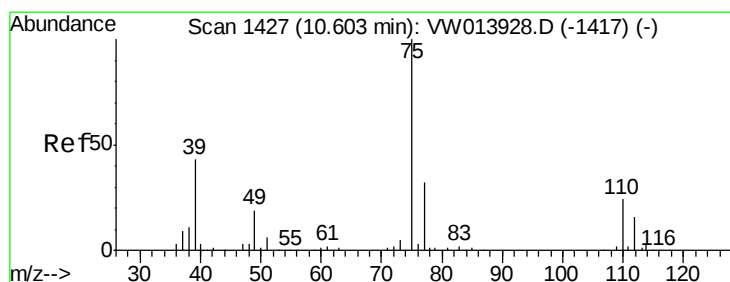
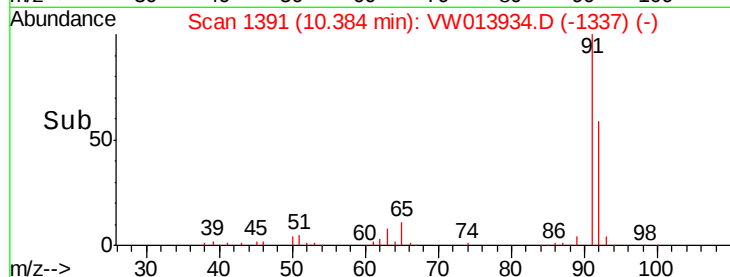
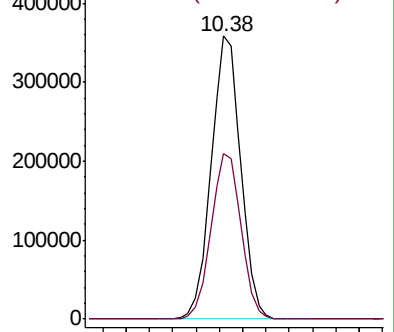
91 100

92 58.7 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#45

trans-1,3-Dichloropropene

Concen: 26.050 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013934.D

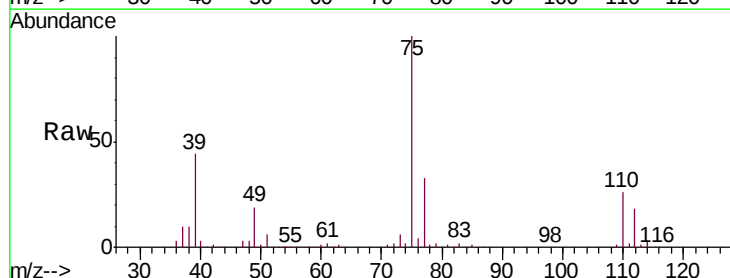
Acq: 07 Nov 2019 16:49

Tgt Ion: 75 Resp: 180523

Ion Ratio Lower Upper

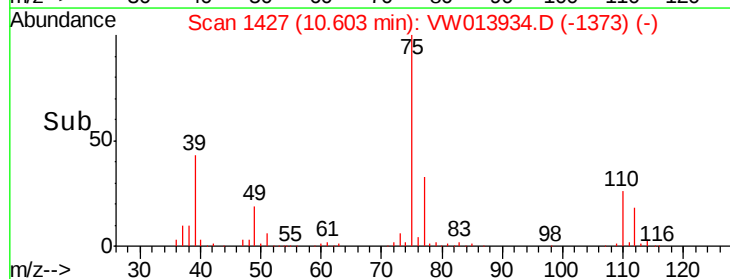
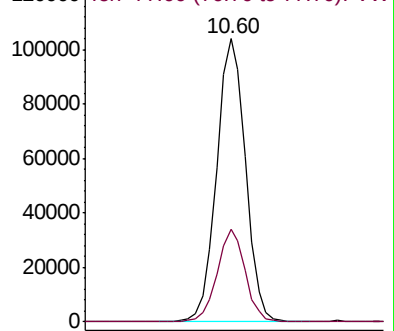
75 100

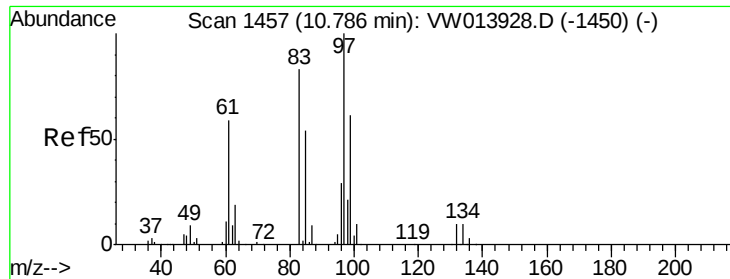
77 32.7 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

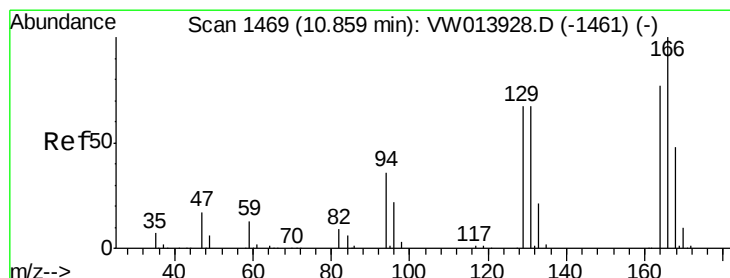
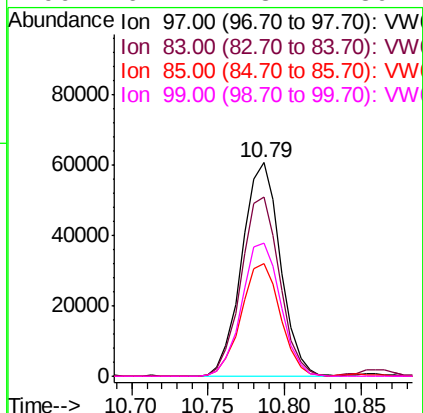
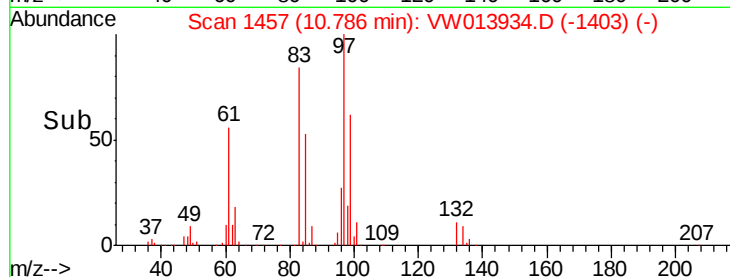
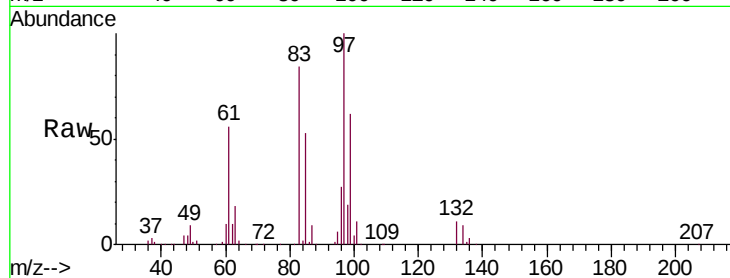




#46
1,1,2-Trichloroethane
Concen: 24.970 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW013934.D
Acq: 07 Nov 2019 16:49

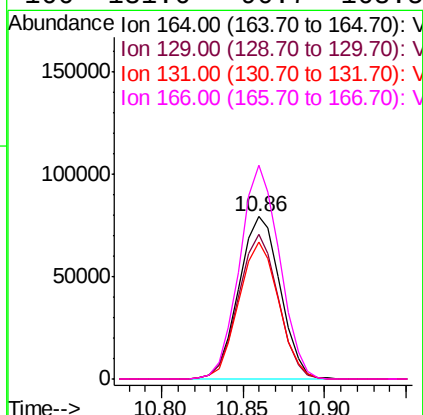
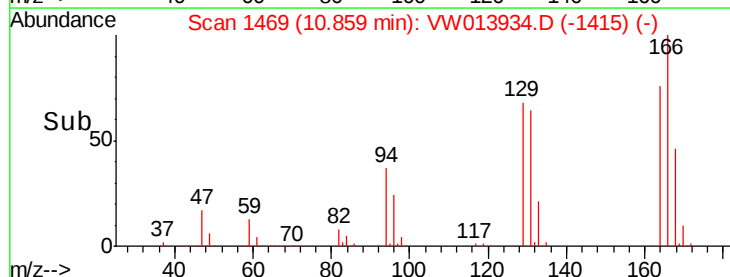
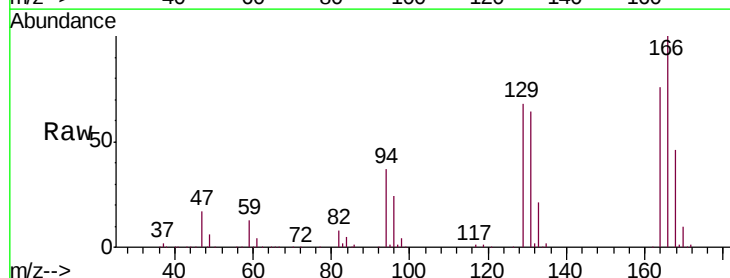
Instrument :
MSVOA_W
ClientSampleId :
VSTD02522

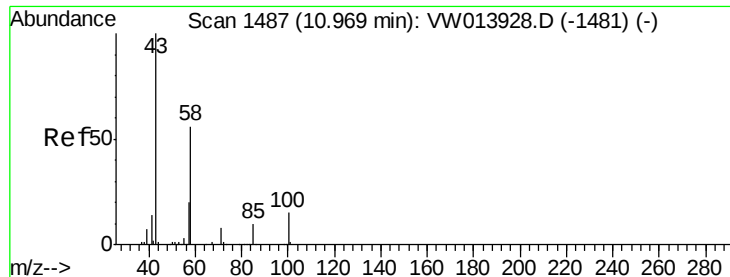
Tgt Ion:	97	Resp:	106108
Ion	Ratio	Lower	Upper
97	100		
83	84.2	58.4	108.4
85	52.9	36.2	67.2
99	62.2	43.1	80.1



#47
Tetrachloroethene
Concen: 26.645 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013934.D
Acq: 07 Nov 2019 16:49

Tgt Ion:	164	Resp:	140206
Ion	Ratio	Lower	Upper
164	100		
129	89.0	63.0	117.0
131	84.4	60.6	112.6
166	131.6	90.7	168.5





#49

2-Hexanone

Concen: 43.282 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW013934.D

Acq: 07 Nov 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

Tgt Ion: 43 Resp: 130133

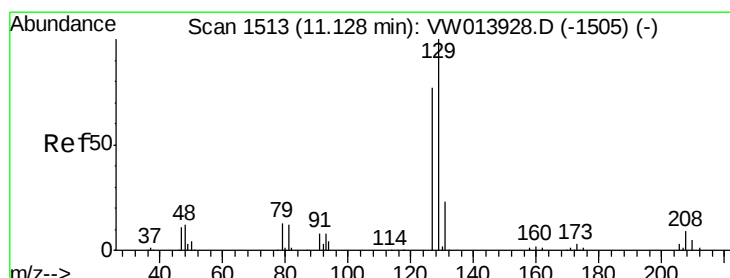
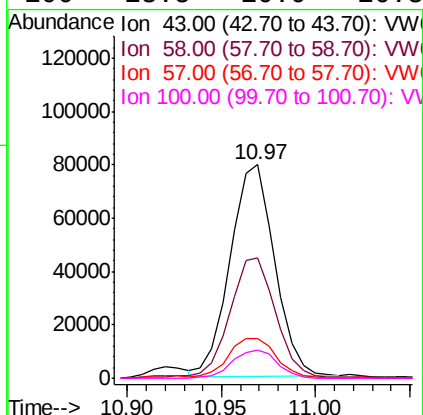
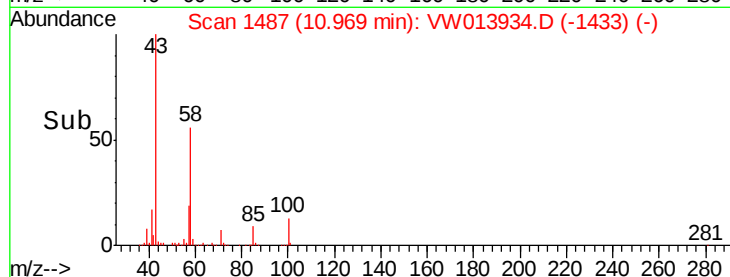
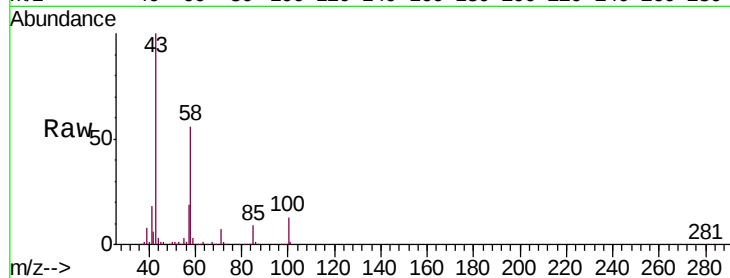
Ion Ratio Lower Upper

43 100

58 59.5 45.2 67.8

57 20.5 15.4 23.0

100 13.5 10.9 16.3



#50

Dibromochloromethane

Concen: 26.028 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW013934.D

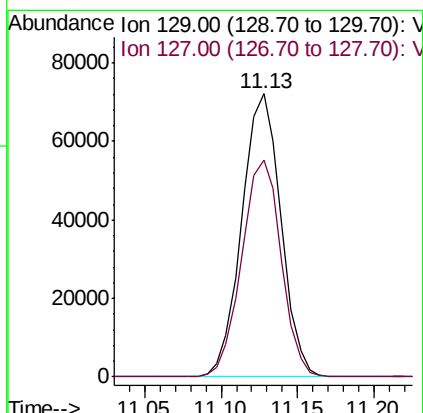
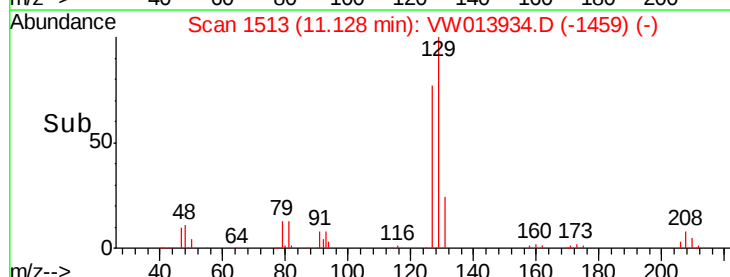
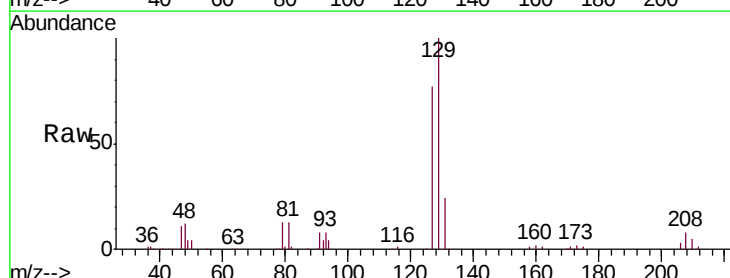
Acq: 07 Nov 2019 16:49

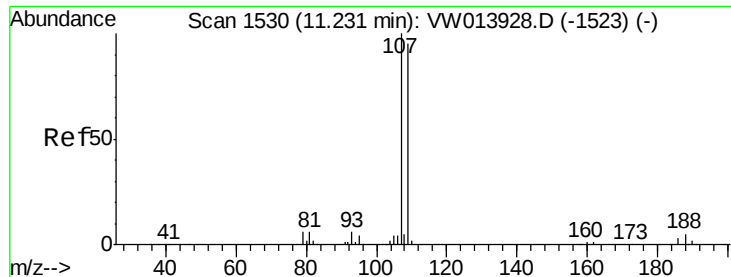
Tgt Ion: 129 Resp: 128396

Ion Ratio Lower Upper

129 100

127 76.7 52.1 96.7

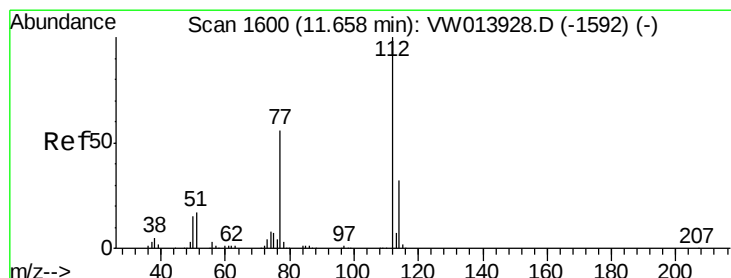
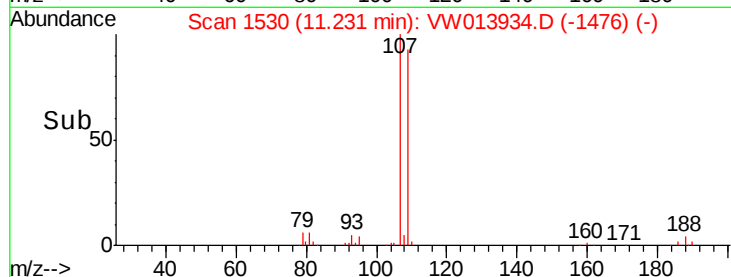
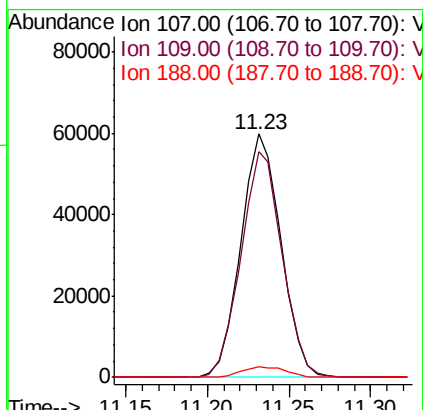
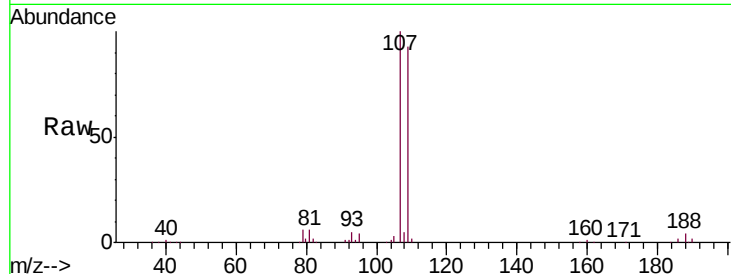




#51
1,2-Dibromoethane
Concen: 24.479 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW013934.D
Acq: 07 Nov 2019 16:49

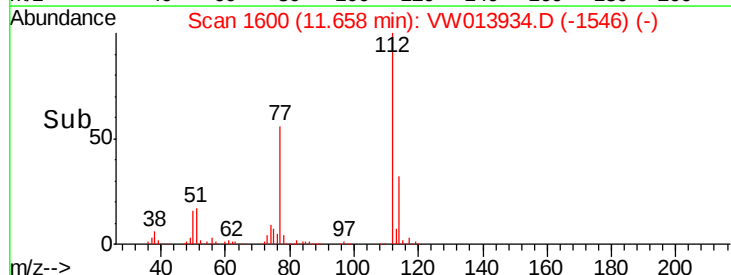
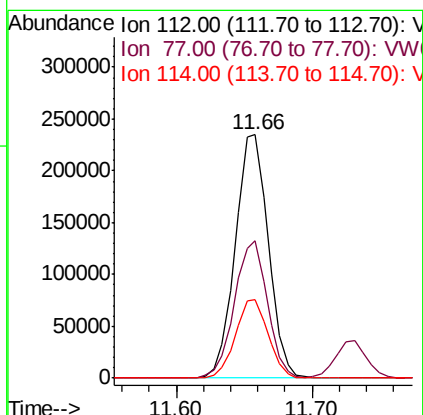
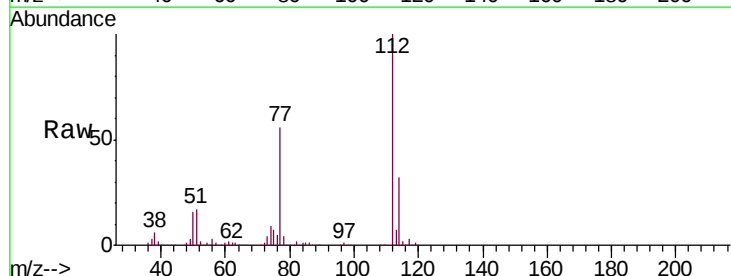
Instrument :
MSVOA_W
ClientSampleId :
VSTD02522

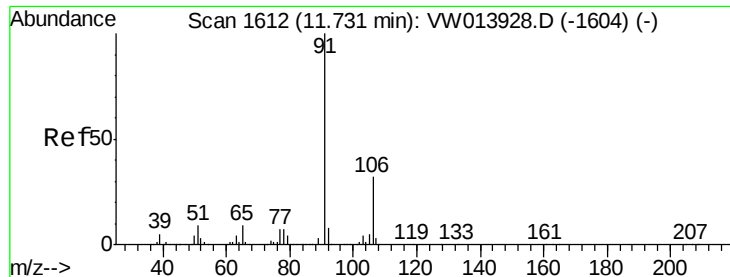
Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.8	66.3	123.1
188	4.5	3.5	5.3



#52
Chlorobenzene
Concen: 26.547 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013934.D
Acq: 07 Nov 2019 16:49

Tgt Ion	Ratio	Lower	Upper
112	100		
77	56.4	45.4	68.0
114	32.3	22.6	42.0





#53

Ethylbenzene

Concen: 26.855 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013934.D

Acq: 07 Nov 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

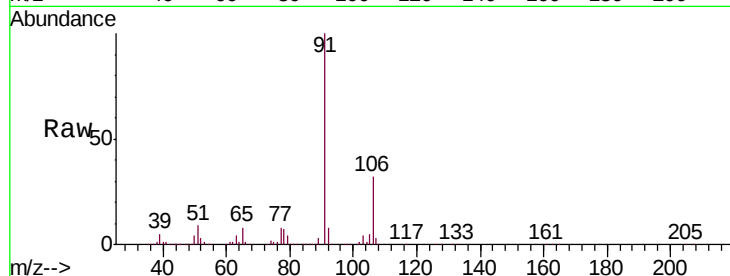
VSTD02522

Tgt Ion: 91 Resp: 696478

Ion Ratio Lower Upper

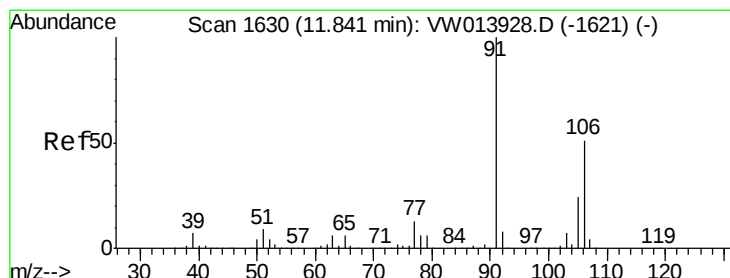
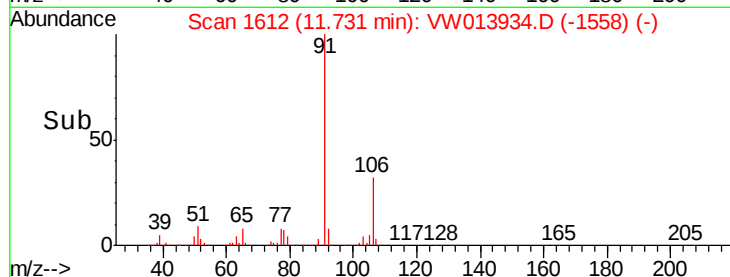
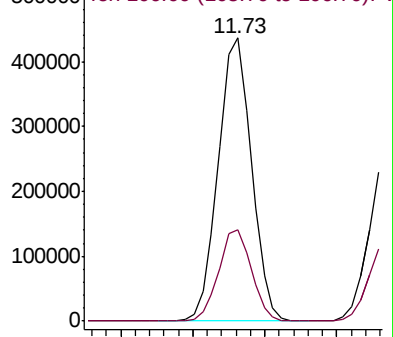
91 100

106 32.2 22.0 40.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 27.263 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW013934.D

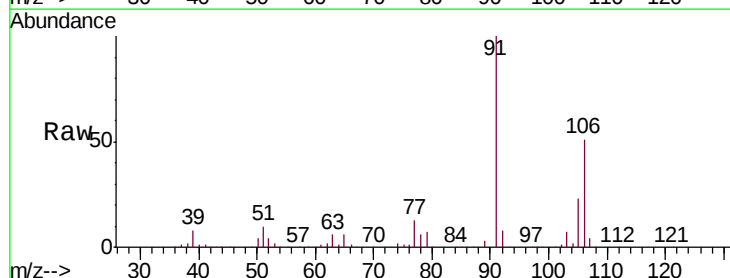
Acq: 07 Nov 2019 16:49

Tgt Ion: 106 Resp: 272488

Ion Ratio Lower Upper

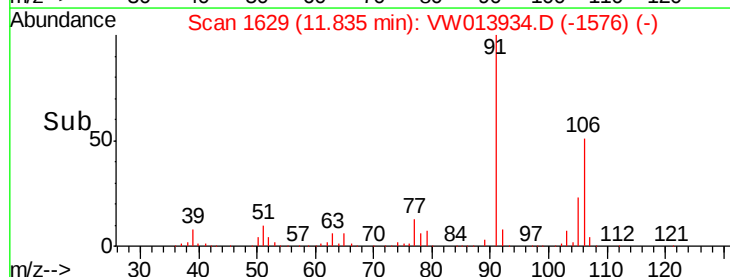
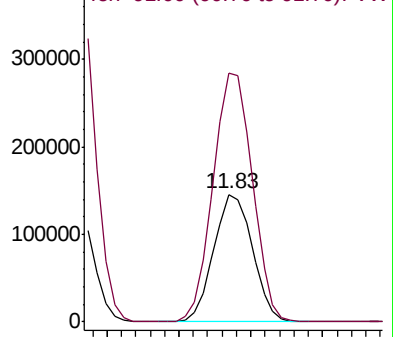
106 100

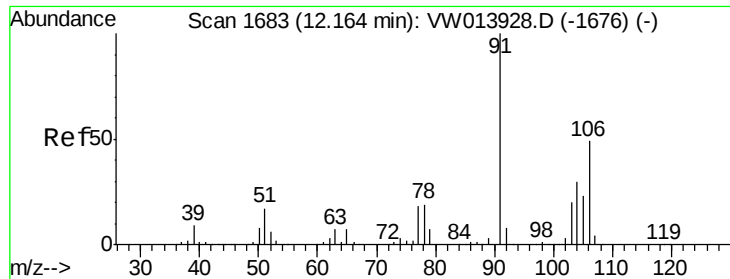
91 194.7 133.7 248.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

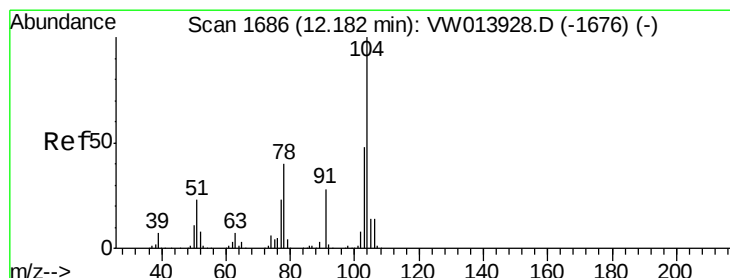
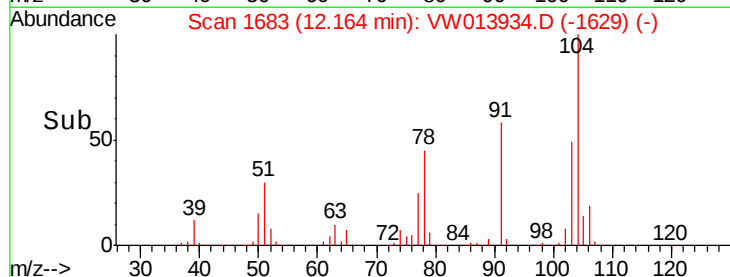
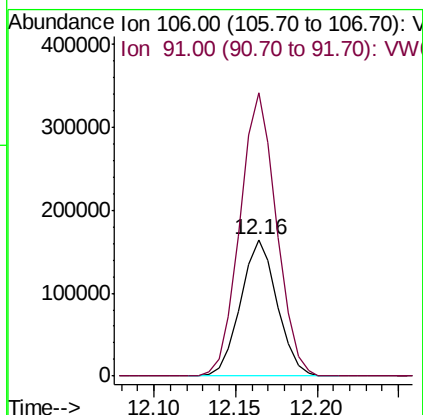
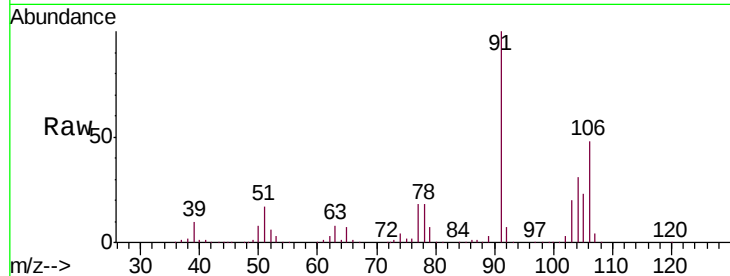




#55
o-xylene
Concen: 27.117 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013934.D
Acq: 07 Nov 2019 16:49

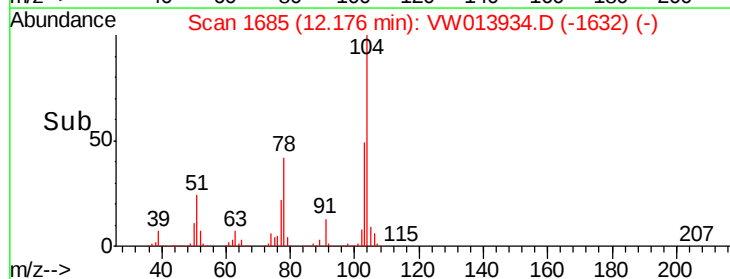
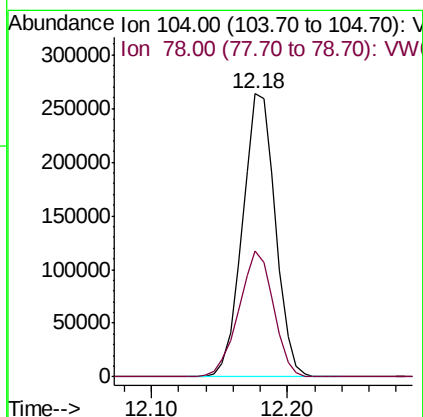
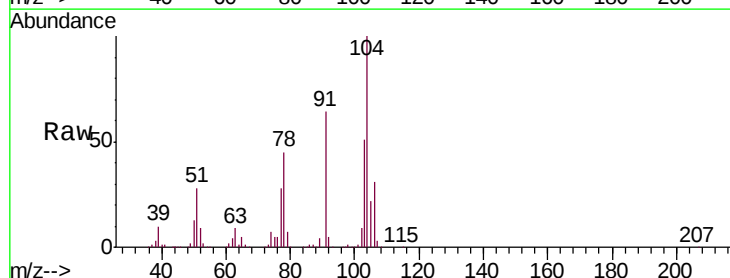
Instrument :
MSVOA_W
ClientSampleId :
VSTD02522

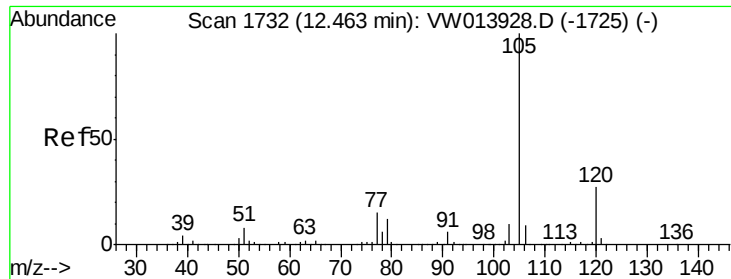
Tgt Ion:106 Resp: 256188
Ion Ratio Lower Upper
106 100
91 207.1 145.6 270.4



#56
Styrene
Concen: 27.323 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013934.D
Acq: 07 Nov 2019 16:49

Tgt Ion:104 Resp: 445440
Ion Ratio Lower Upper
104 100
78 44.5 29.2 54.2





#57

Isopropylbenzene

Concen: 27.310 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013934.D

Acq: 07 Nov 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

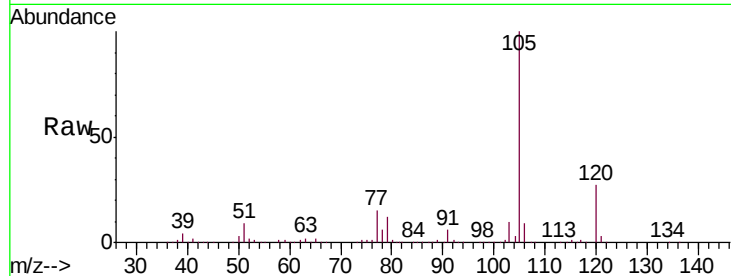
Tgt Ion: 105 Resp: 695709

Ion Ratio Lower Upper

105 100

120 27.2 21.5 32.3

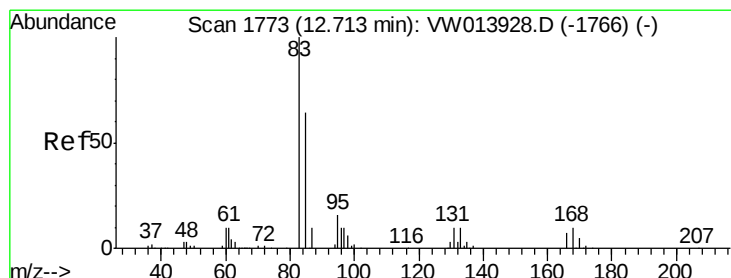
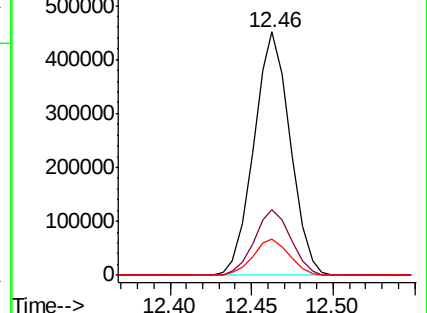
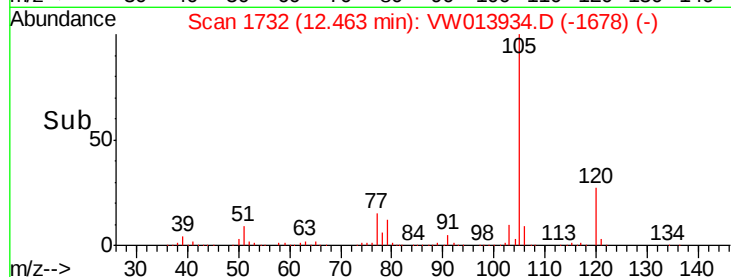
77 15.0 11.7 17.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 23.342 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013934.D

Acq: 07 Nov 2019 16:49

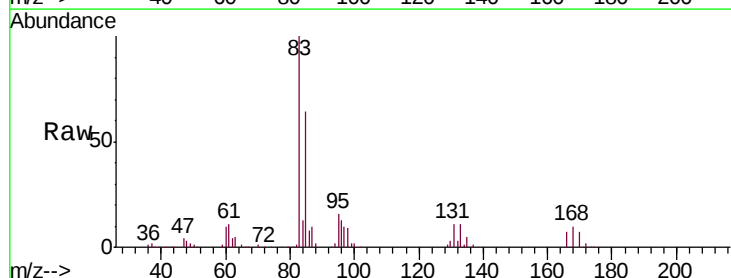
Tgt Ion: 83 Resp: 124921

Ion Ratio Lower Upper

83 100

85 64.4 45.6 84.6

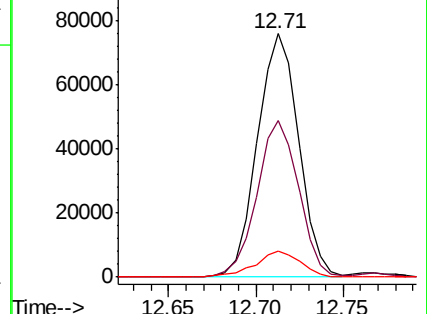
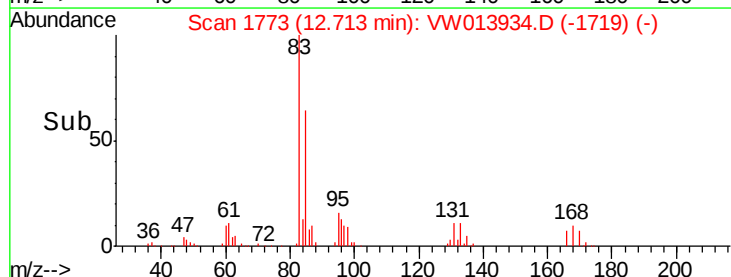
131 10.8 7.8 11.8

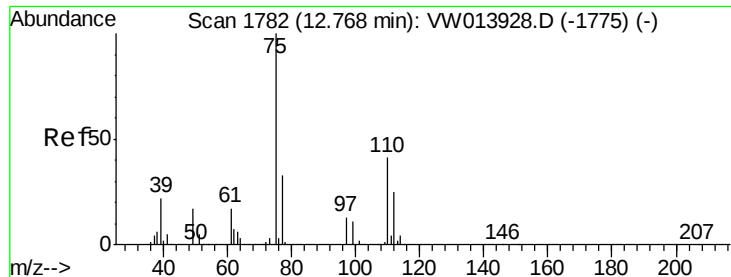


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 23.059 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013934.D

Acq: 07 Nov 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

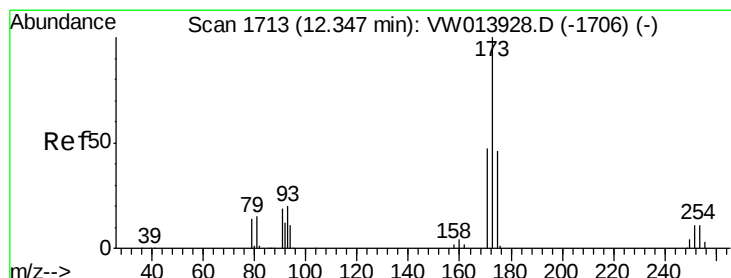
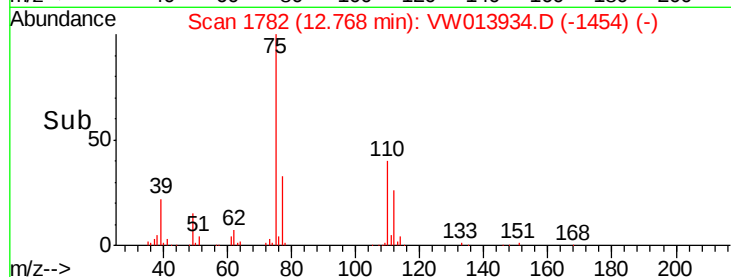
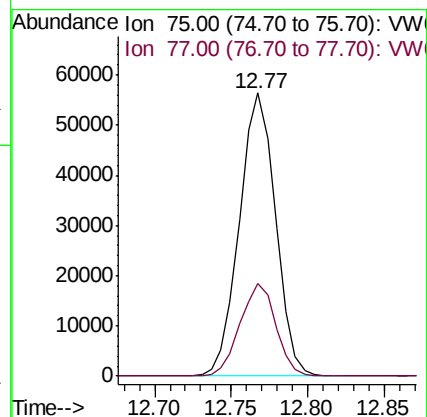
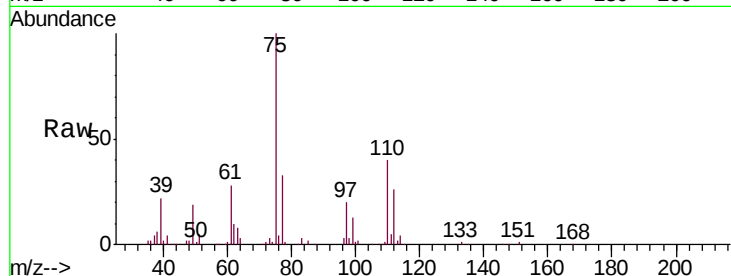
VSTD02522

Tgt Ion: 75 Resp: 92653

Ion Ratio Lower Upper

75 100

77 32.5 25.9 38.9



#62

Bromoform

Concen: 23.666 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013934.D

Acq: 07 Nov 2019 16:49

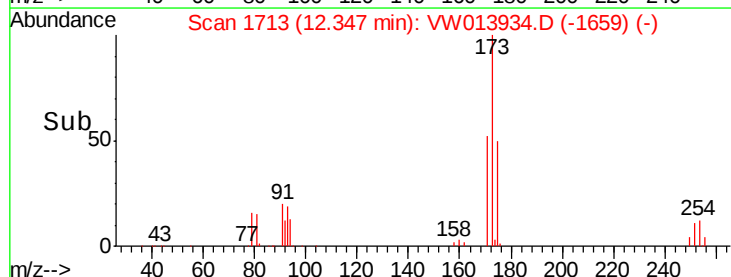
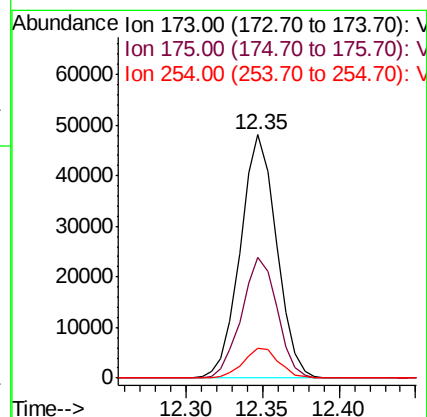
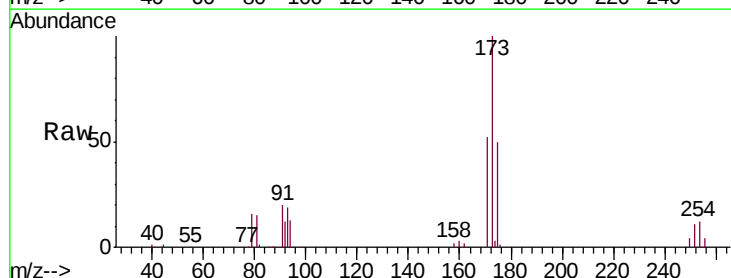
Tgt Ion: 173 Resp: 79248

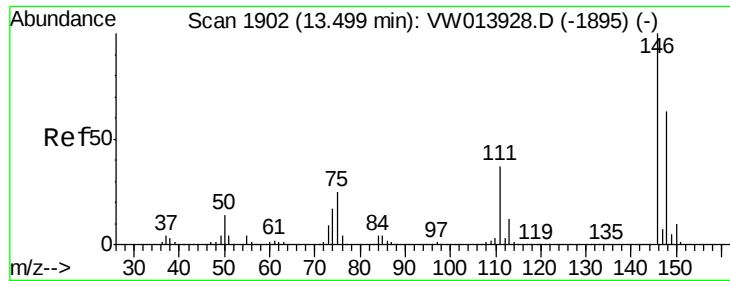
Ion Ratio Lower Upper

173 100

175 48.8 39.7 59.5

254 12.1 10.0 15.0

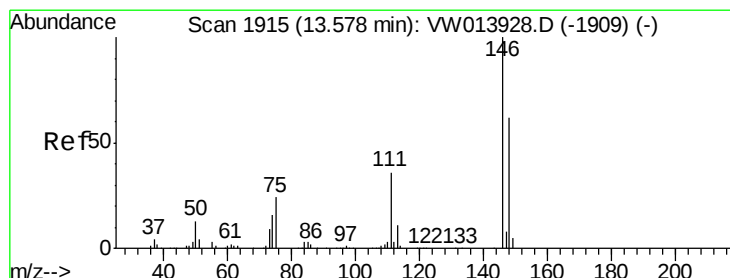
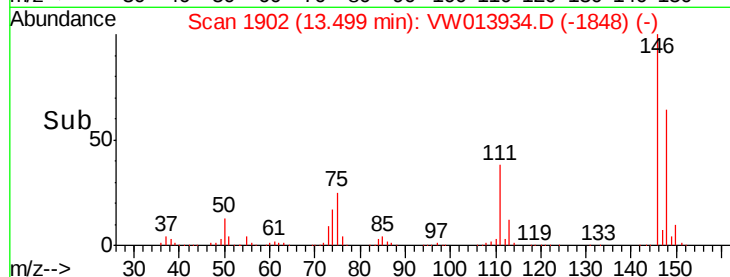
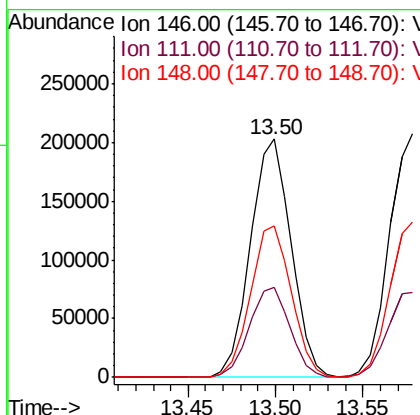
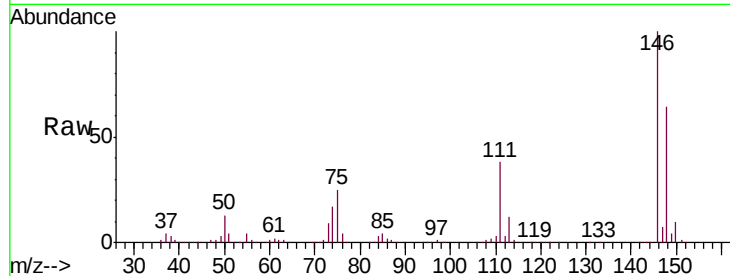




#63
 1,3-Dichlorobenzene
 Concen: 25.725 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013934.D
 Acq: 07 Nov 2019 16:49

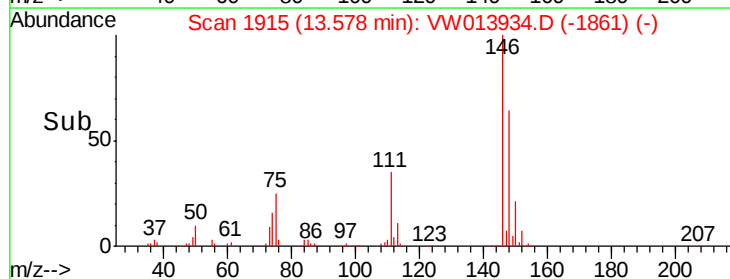
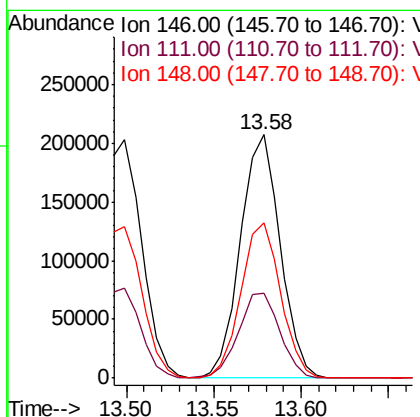
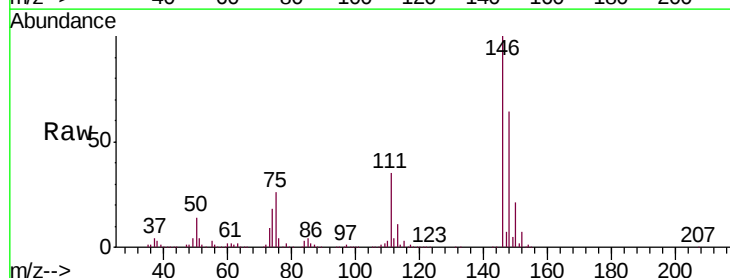
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

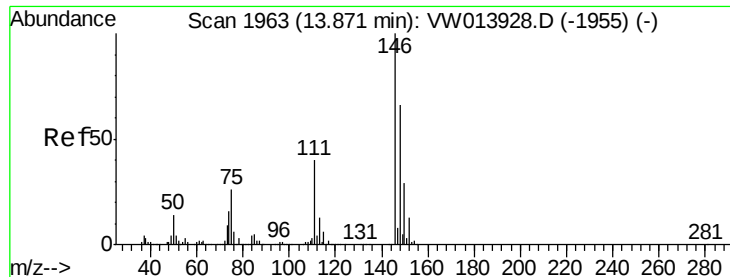
Tgt Ion:146 Resp: 328113
 Ion Ratio Lower Upper
 146 100
 111 37.8 27.4 51.0
 148 63.5 44.6 82.8



#64
 1,4-Dichlorobenzene
 Concen: 25.580 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013934.D
 Acq: 07 Nov 2019 16:49

Tgt Ion:146 Resp: 327051
 Ion Ratio Lower Upper
 146 100
 111 35.1 25.9 48.1
 148 63.9 46.3 86.1

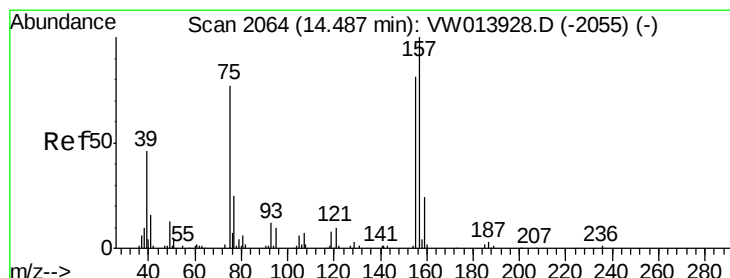
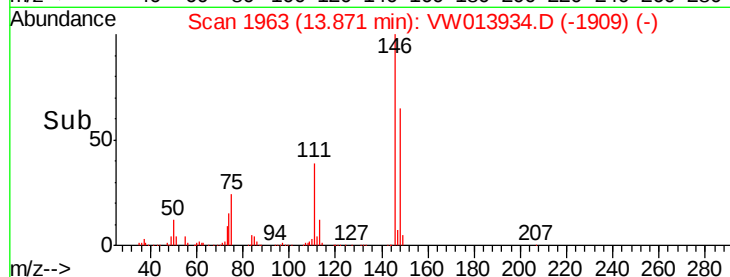
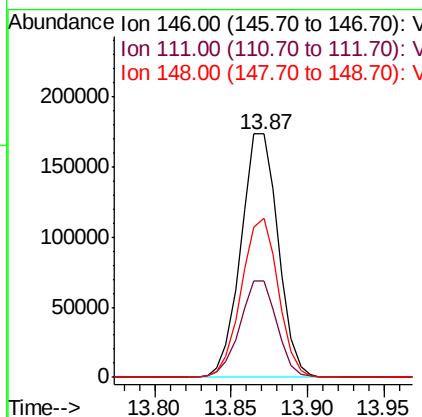
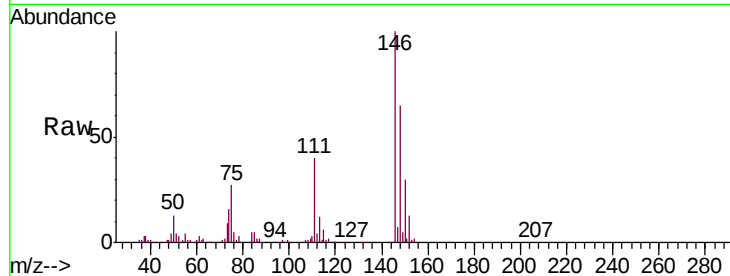




#65
 1,2-Dichlorobenzene
 Concen: 25.551 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013934.D
 Acq: 07 Nov 2019 16:49

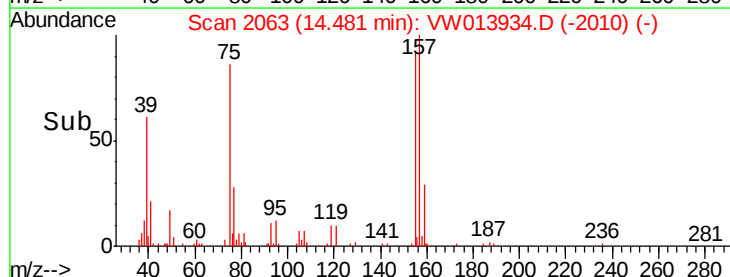
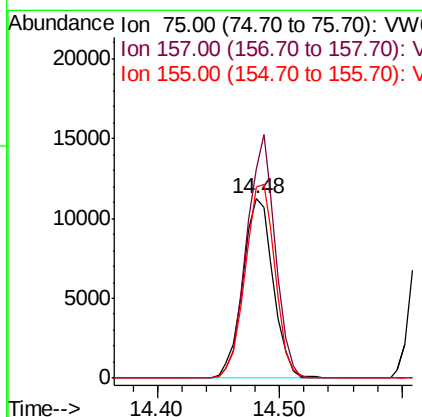
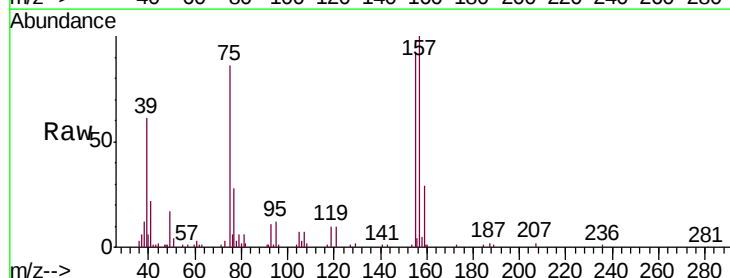
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

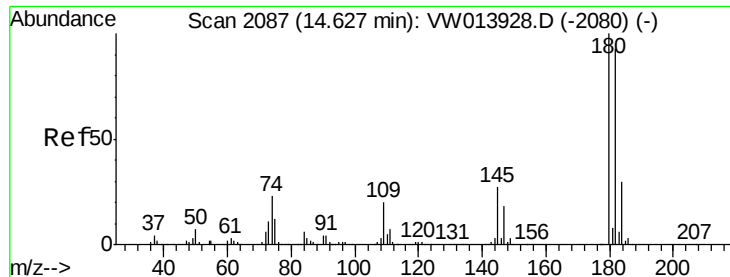
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	31.6	47.4
148	65.5	50.7	76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 20.992 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW013934.D
 Acq: 07 Nov 2019 16:49

Tgt Ion	Ratio	Lower	Upper
75	100		
157	116.8	91.0	136.6
155	106.9	74.7	112.1

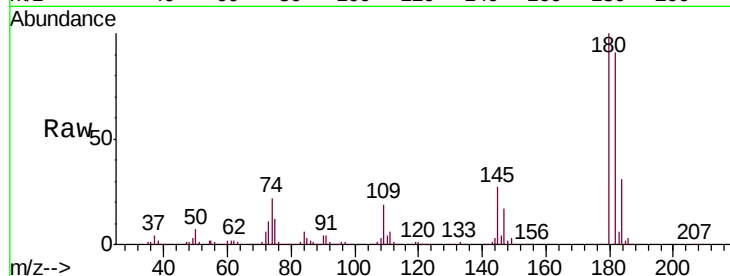




#67
 1,3,5-Trichlorobenzene
 Concen: 27.321 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW013934.D
 Acq: 07 Nov 2019 16:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.4	76.8	115.2
184	30.2	23.8	35.8
145	26.8	21.9	32.9



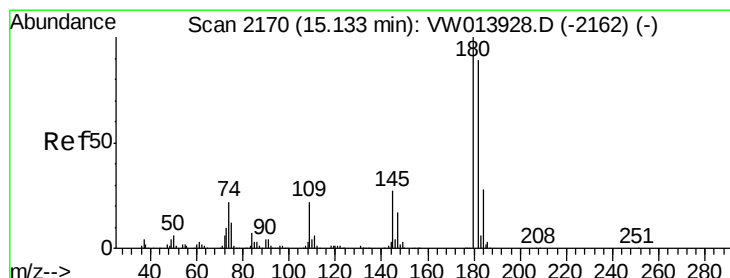
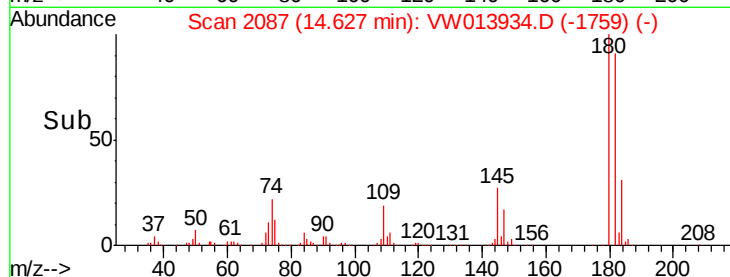
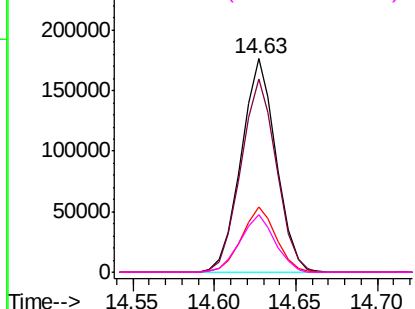
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

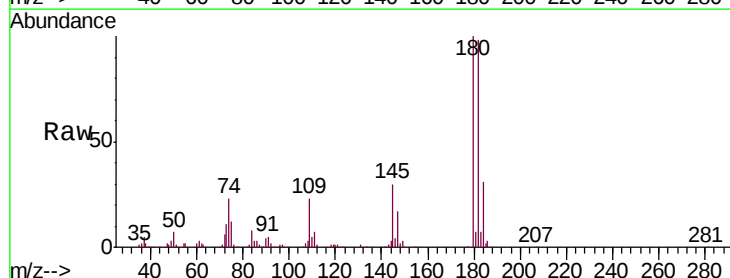
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.364 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013934.D
 Acq: 07 Nov 2019 16:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	78.9	118.3
145	28.5	22.7	34.1

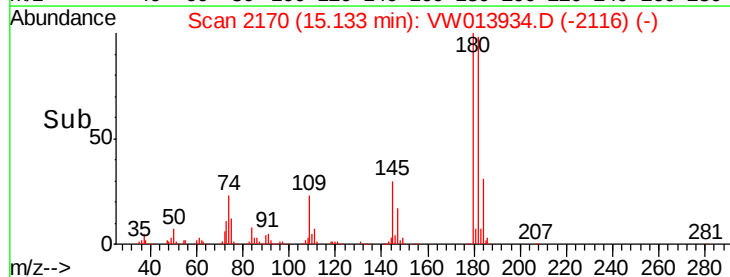
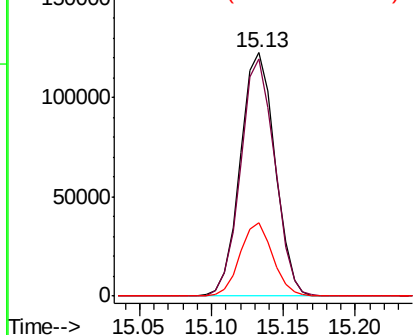


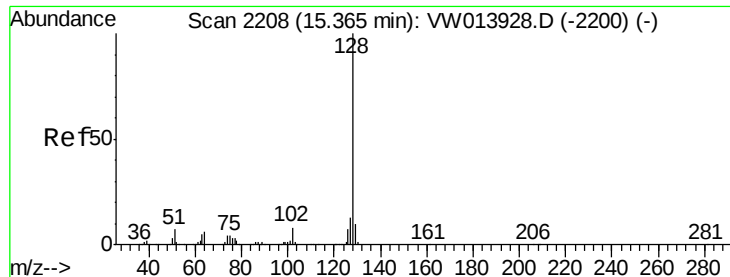
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 24.344 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013934.D

Acq: 07 Nov 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

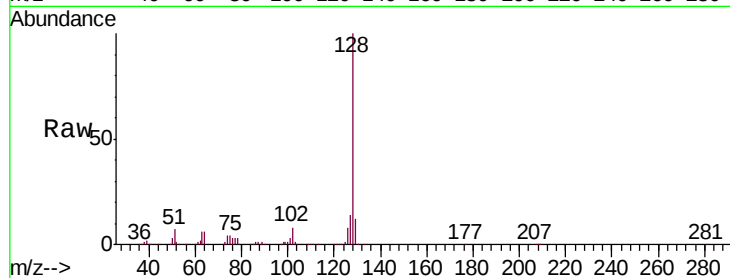
Tgt Ion:128 Resp: 359194

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

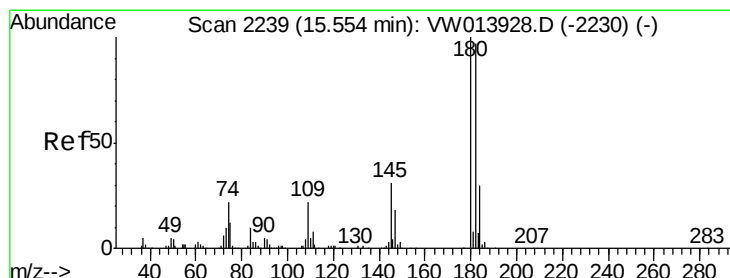
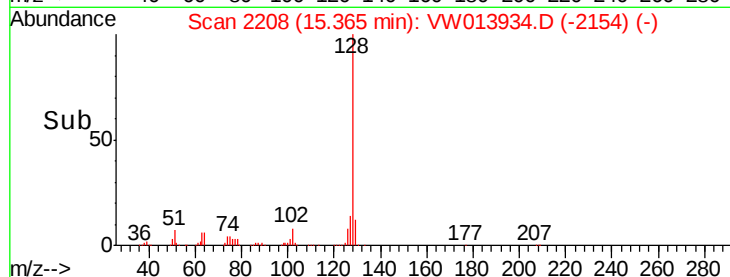
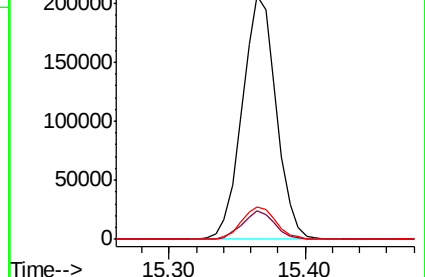
127 13.5 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.659 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013934.D

Acq: 07 Nov 2019 16:49

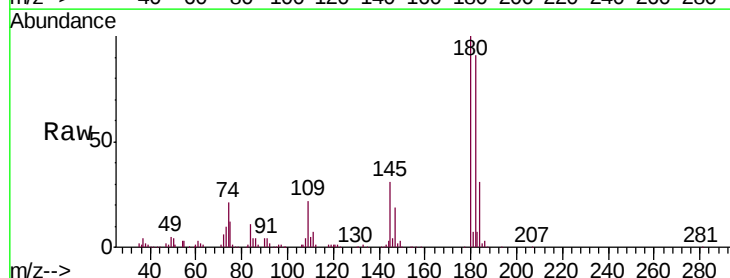
Tgt Ion:180 Resp: 183892

Ion Ratio Lower Upper

180 100

182 93.9 77.0 115.6

145 29.6 24.0 36.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

