

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032719\
 Data File : VW009528.D
 Acq On : 28 Mar 2019 04:39
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.21G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

Quant Time: Mar 28 07:48:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 28 07:41:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	335008	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	332280	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	173599	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	76118	19.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.04%
7) Chloroethane-d5	2.89	69	97074	20.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.88%
10) 1,1-Dichloroethene-d2	4.02	63	198700	22.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.84%
20) 2-Butanone-d5	7.07	46	109397	66.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	132.16%
24) Chloroform-d	7.65	84	237472	25.97	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.88%
26) 1,2-Dichloroethane-d4	8.30	65	148273	26.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.68%
29) Benzene-d6	8.27	84	419985	22.92	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.68%
33) 1,2-Dichloropropane-d6	9.27	67	132615	24.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.36%
37) Toluene-d8	10.32	98	383852	22.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.60%
38) trans-1,3-Dichloropropene-	10.58	79	61760	22.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.36%
39) 2-Hexanone-d5	10.93	63	76581	57.45	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.90%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	158199	29.19	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	116.76%
61) 1,2-Dichlorobenzene-d4	13.85	152	157990	23.73	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.92%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	107441	24.345	ug/L 98
3) Chloromethane	2.21	50	112216	23.966	ug/L 100
5) Vinyl chloride	2.37	62	143713	29.820	ug/L 100
6) Bromomethane	2.78	94	110954	27.480	ug/L 99
8) Chloroethane	2.92	64	112217	28.144	ug/L 89
9) Trichlorofluoromethane	3.26	101	80213	21.071	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	117591	26.747	ug/L 96
12) 1,1-Dichloroethene	4.03	96	112763	27.334	ug/L 91
13) Acetone	4.12	43	76287	56.188	ug/L 99
14) Carbon disulfide	4.38	76	305429	27.510	ug/L 99
15) Methyl Acetate	4.67	43	88696	33.254	ug/L 97
16) Methylene chloride	4.91	84	143387	29.350	ug/L 97
17) Methyl tert-butyl Ether	5.42	73	168452	28.859	ug/L 98
18) trans-1,2-Dichloroethene	5.41	96	116904	26.953	ug/L 96
19) 1,1-Dichloroethane	6.21	63	236407	29.893	ug/L 99
21) 2-Butanone	7.17	43	123539	65.900	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	133375	28.387	ug/L 97

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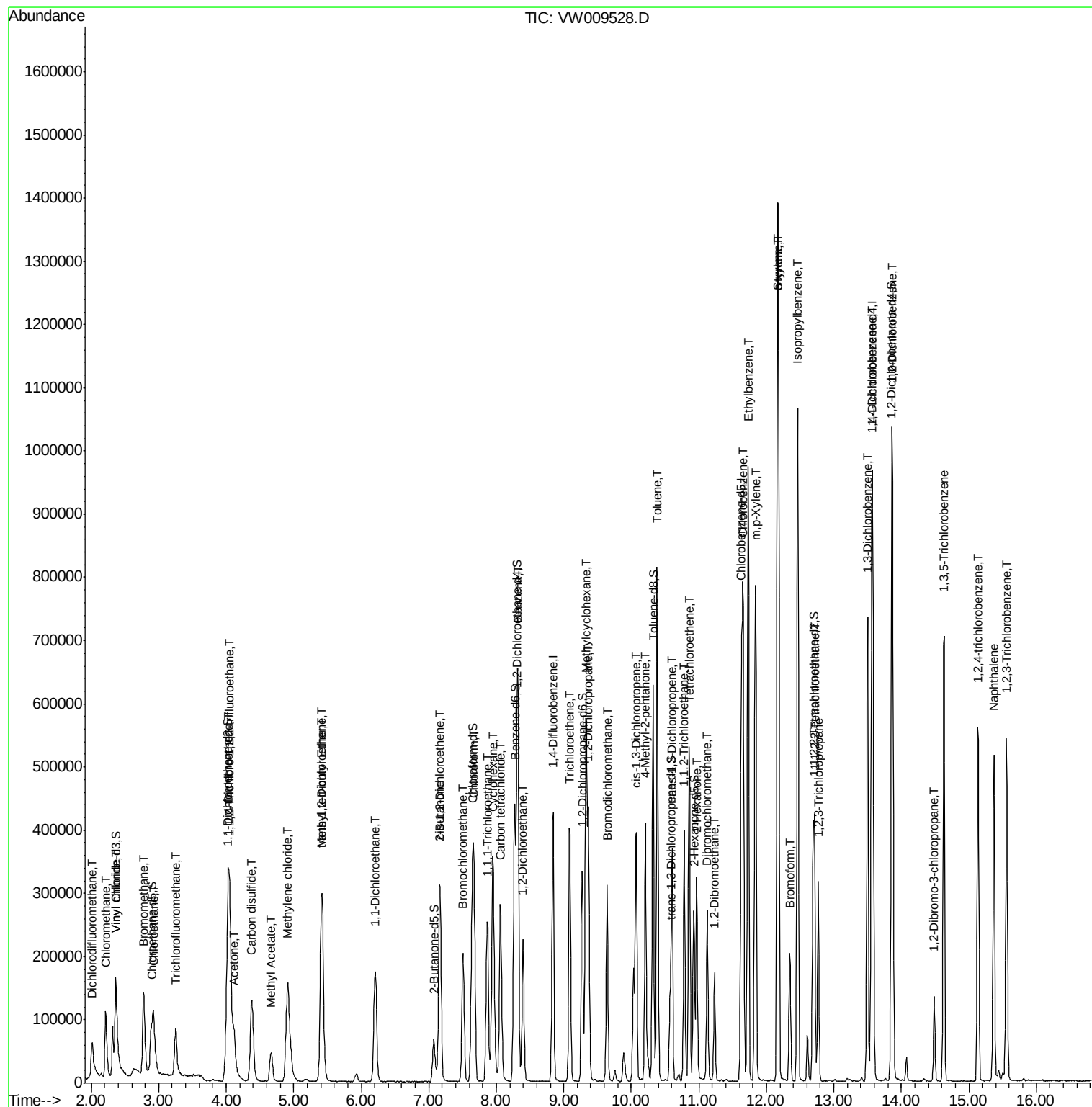
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	65559	29.092	ug/L	97
25) Chloroform	7.67	83	252783	30.522	ug/L	99
27) 1,2-Dichloroethane	8.40	62	194994	31.579	ug/L	97
30) Cyclohexane	7.95	56	194655	25.794	ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	192035	28.936	ug/L	99
32) Carbon tetrachloride	8.06	117	189707	28.332	ug/L	99
34) Benzene	8.32	78	524121	28.818	ug/L	100
35) Trichloroethene	9.09	95	133876	27.625	ug/L	97
36) Methylcyclohexane	9.34	83	217557	25.948	ug/L	99
40) 1,2-Dichloropropane	9.37	63	134807	28.885	ug/L	98
41) Bromodichloromethane	9.64	83	187011	28.920	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	205463	27.030	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	269053	63.621	ug/L	99
44) Toluene	10.38	91	563463	28.336	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	179854	27.200	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	109796	29.489	ug/L	99
47) Tetrachloroethene	10.86	164	104601	25.545	ug/L	99
49) 2-Hexanone	10.97	43	201795	67.750	ug/L	98
50) Dibromochloromethane	11.13	129	132452	28.818	ug/L	99
51) 1,2-Dibromoethane	11.24	107	112170	29.718	ug/L	90
52) Chlorobenzene	11.66	112	358948	28.144	ug/L	98
53) Ethylbenzene	11.73	91	638958	28.581	ug/L	100
54) m,p-Xylene	11.84	106	237570	27.971	ug/L	96
55) o-xylene	12.16	106	233035	28.124	ug/L	99
56) Styrene	12.18	104	412611	29.185	ug/L	97
57) Isopropylbenzene	12.46	105	631094	28.432	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	155816	31.021	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	120106	32.220	ug/L	99
62) Bromoform	12.35	173	85204	29.048	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	270555	26.150	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	291345	27.237	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	275869	27.959	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	30229	31.260	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	204251	25.310	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	165862	24.468	ug/L	98
69) Naphthalene	15.37	128	411757	29.299	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	173024	27.252	ug/L	98

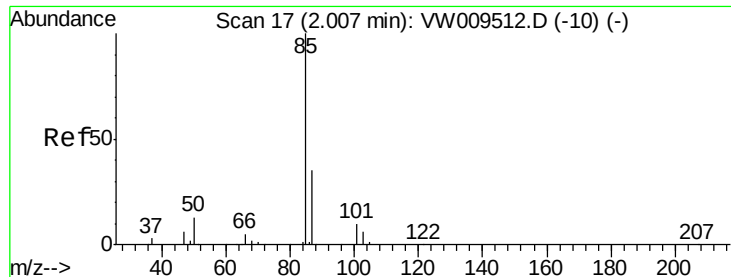
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.345 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW009528.D

Acq: 28 Mar 2019 04:39

Instrument :

MSVOA_W

ClientSampleId :

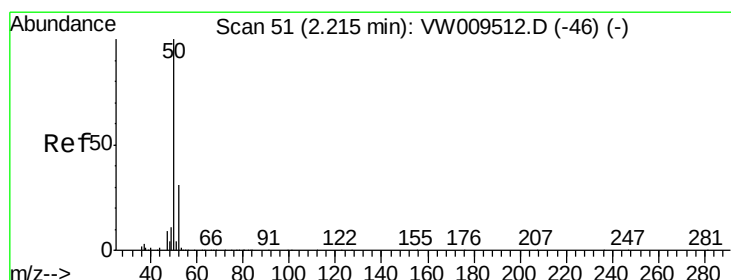
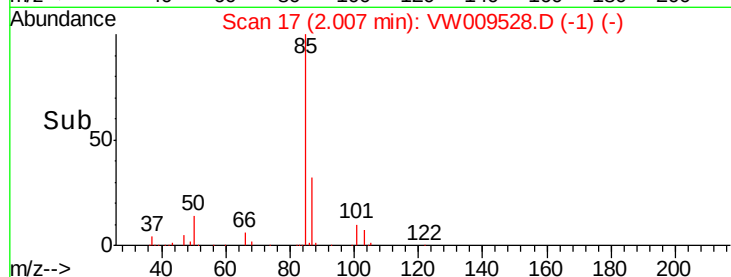
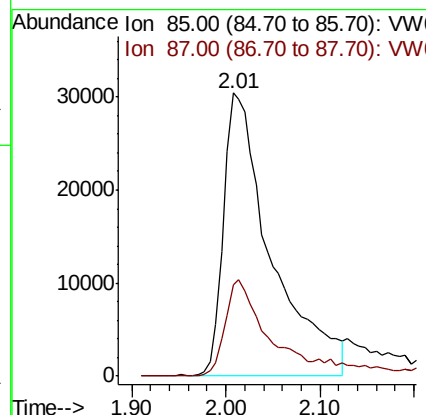
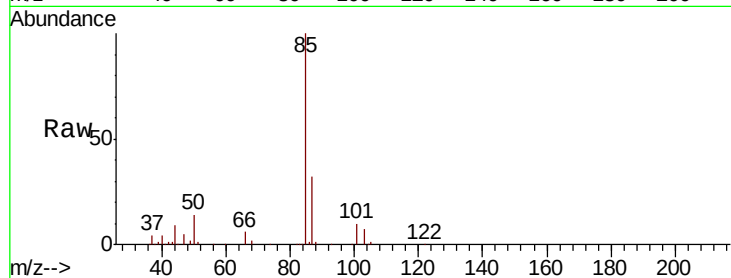
VSTD02530

Tot Ion: 85 Resp: 107441

Ion Ratio Lower Upper

85 100

87 28.8 19.5 36.3



#3

Chloromethane

Concen: 23.966 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW009528.D

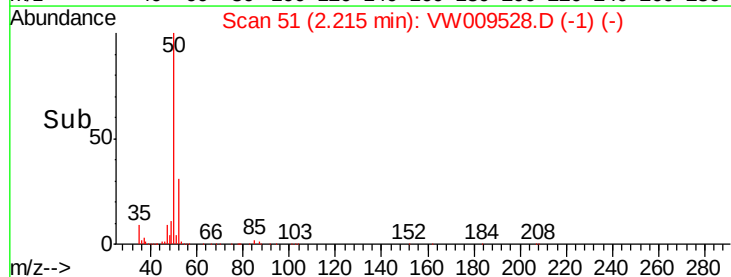
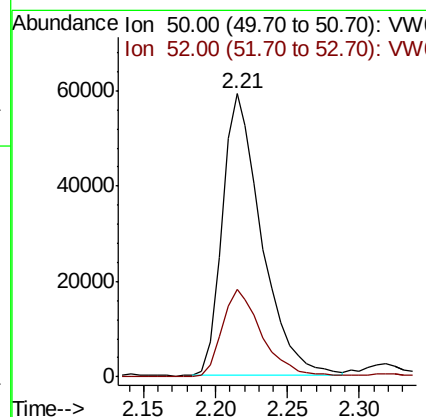
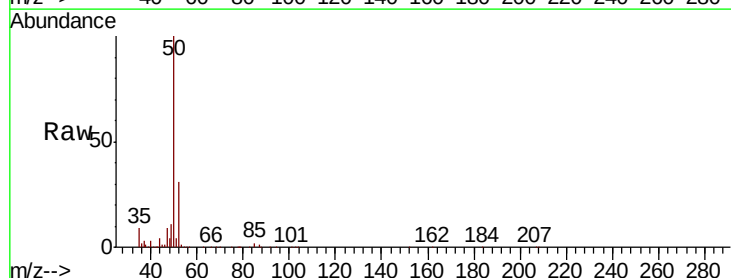
Acq: 28 Mar 2019 04:39

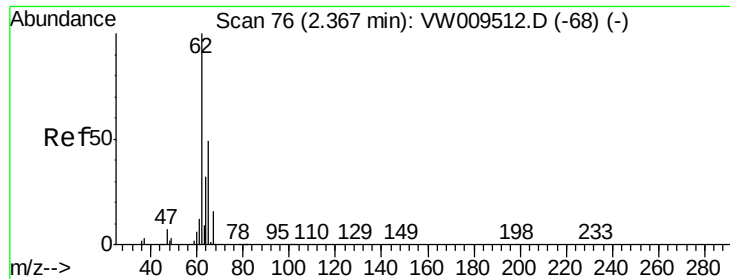
Tgt Ion: 50 Resp: 112216

Ion Ratio Lower Upper

50 100

52 30.8 21.6 40.2





#5

Vinyl chloride

Concen: 29.820 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW009528.D

Acq: 28 Mar 2019 04:39

Instrument :

MSVOA_W

ClientSampleId :

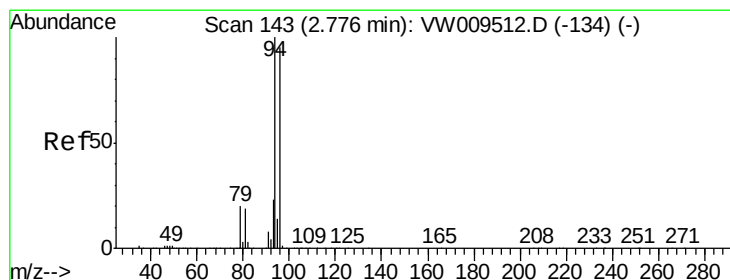
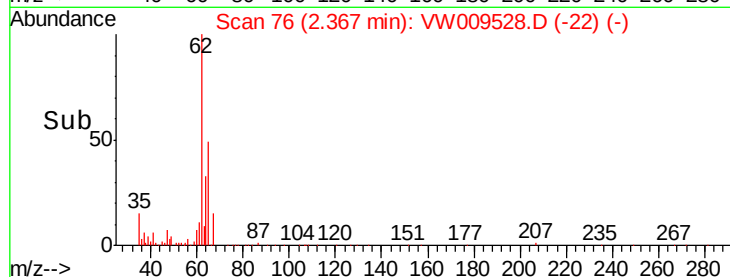
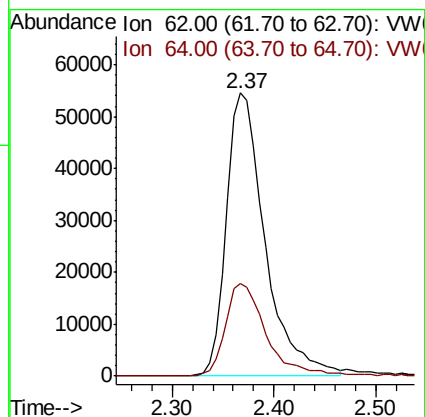
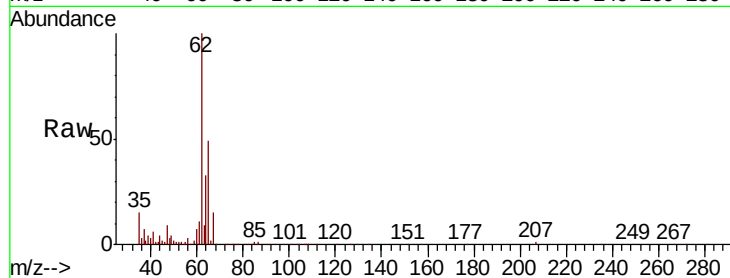
VSTD02530

Tot Ion: 62 Resp: 143713

Ion Ratio Lower Upper

62 100

64 32.8 23.0 42.6



#6

Bromomethane

Concen: 27.480 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW009528.D

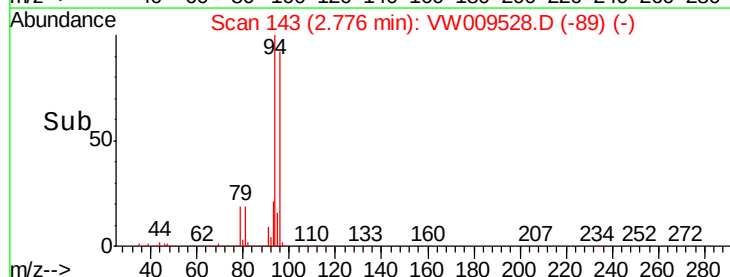
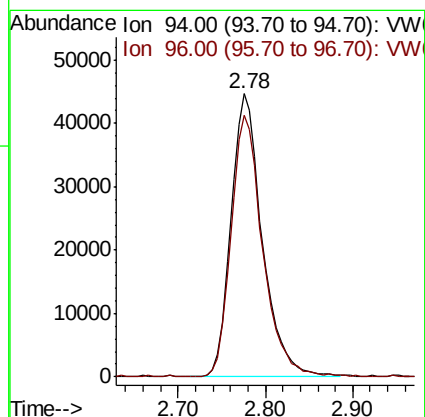
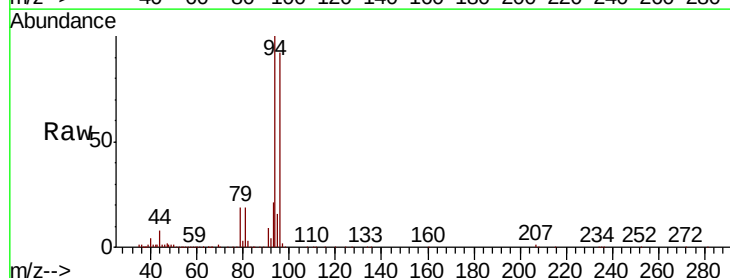
Acq: 28 Mar 2019 04:39

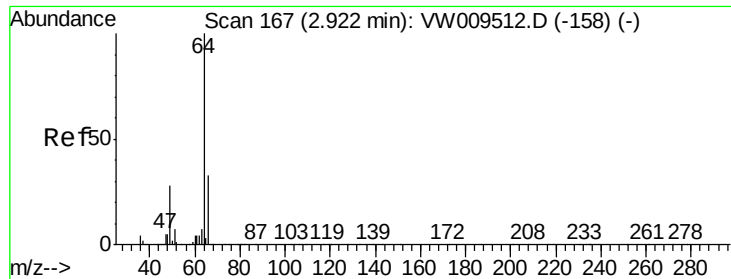
Tgt Ion: 94 Resp: 110954

Ion Ratio Lower Upper

94 100

96 92.5 9.4 178.4





#8

Chloroethane

Concen: 28.144 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW009528.D

Acq: 28 Mar 2019 04:39

Instrument :

MSVOA_W

ClientSampleId :

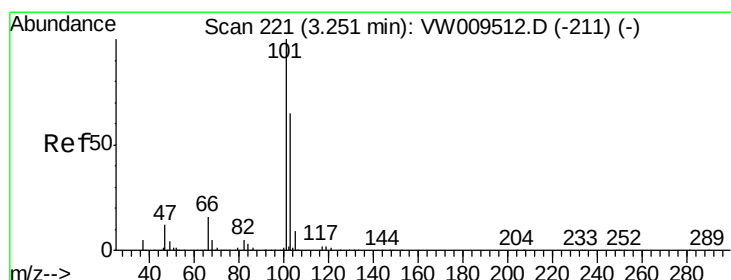
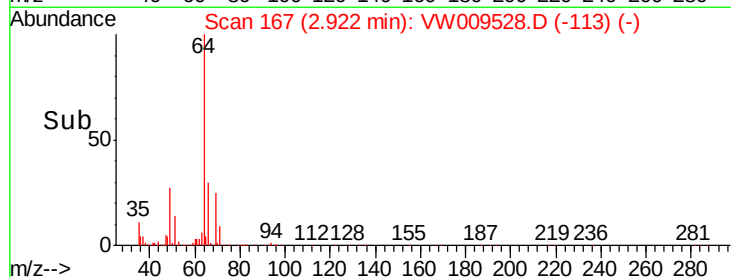
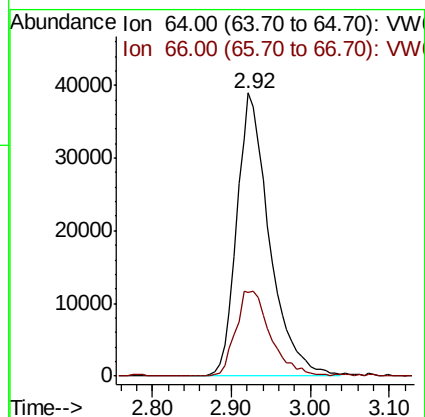
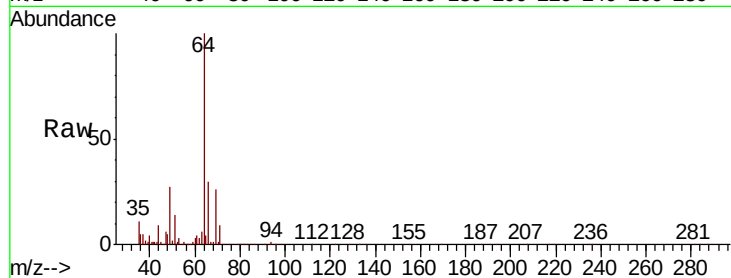
VSTD02530

Tot Ion: 64 Resp: 112217

Ion Ratio Lower Upper

64 100

66 29.7 25.1 46.7



#9

Trichlorofluoromethane

Concen: 21.071 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.01 min

Lab File: VW009528.D

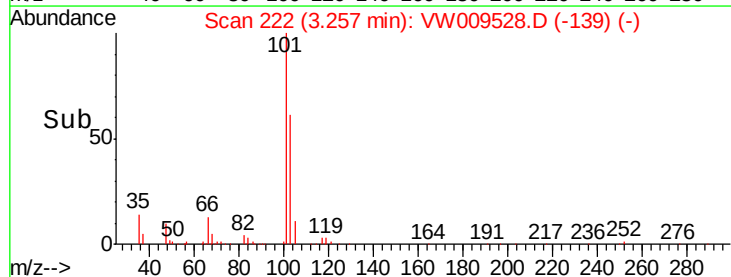
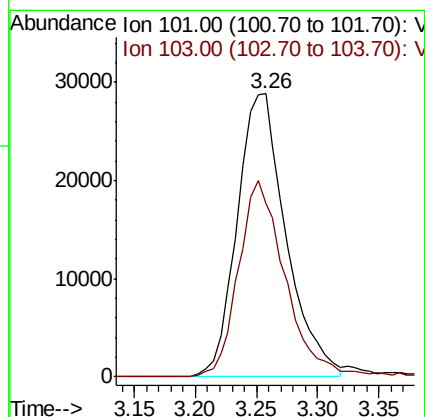
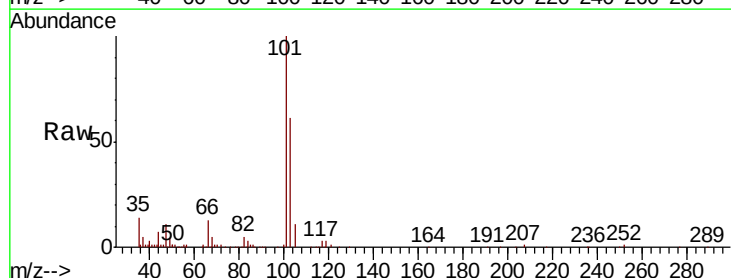
Acq: 28 Mar 2019 04:39

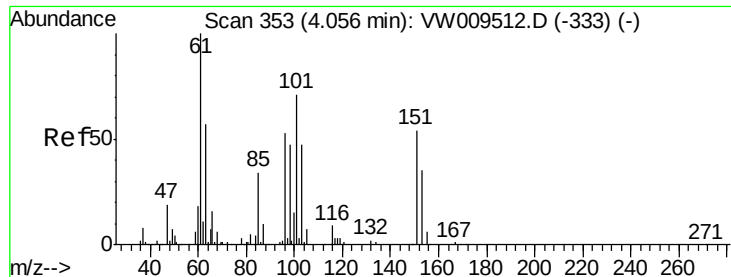
Tgt Ion: 101 Resp: 80213

Ion Ratio Lower Upper

101 100

103 64.9 45.0 83.6





#11

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

Concen: 26.747 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW009528.D

Acq: 28 Mar 2019 04:39

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ClientSampleId :

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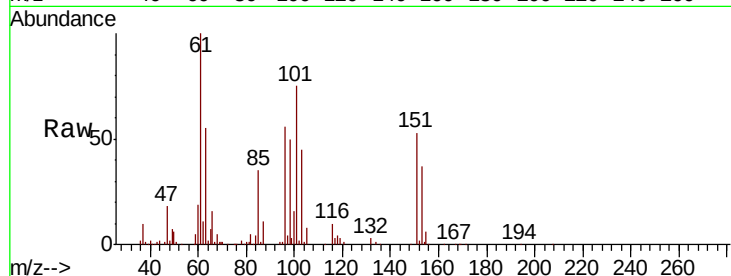
Tot Ion:101 Resp: 117591

Ion Ratio Lower Upper

101 100

85 45.1 32.6 48.8

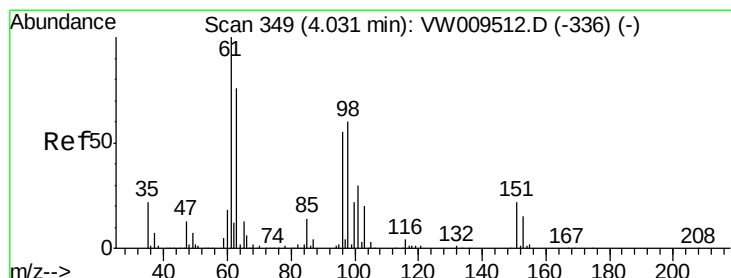
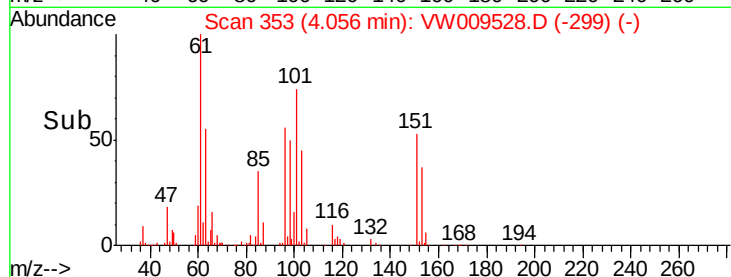
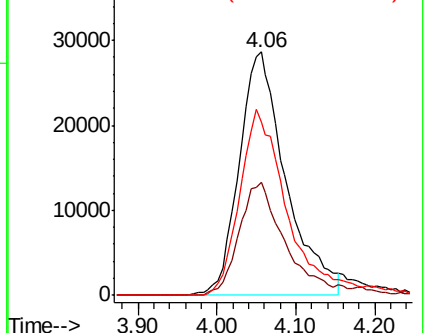
151 77.0 63.3 94.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 27.334 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.00 min

Lab File: VW009528.D

Acq: 28 Mar 2019 04:39

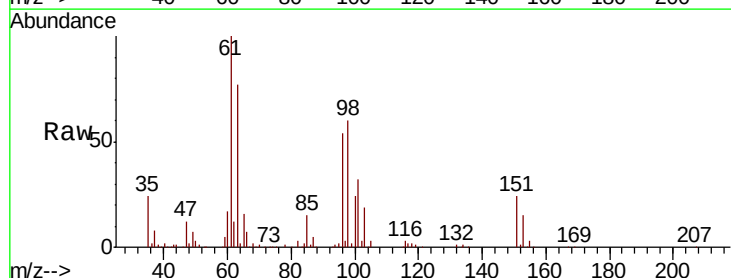
Tgt Ion: 96 Resp: 112763

Ion Ratio Lower Upper

96 100

61 185.4 129.4 240.2

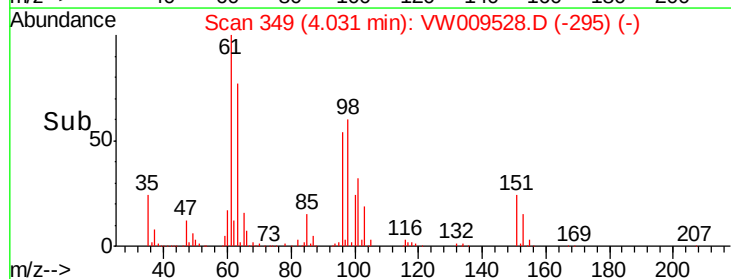
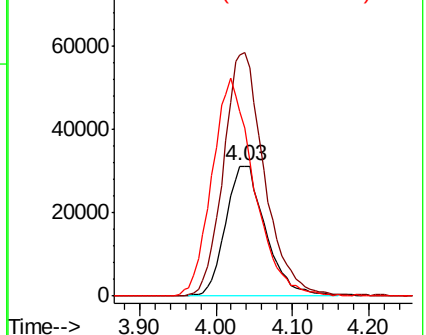
63 141.8 116.8 217.0

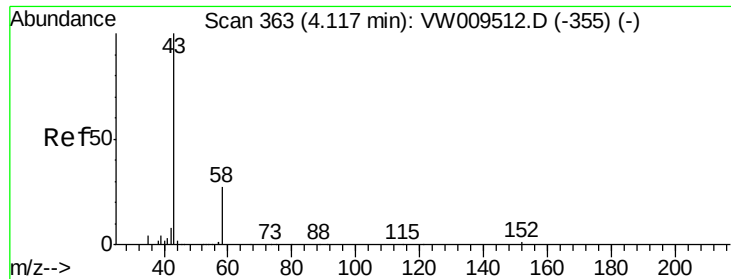


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

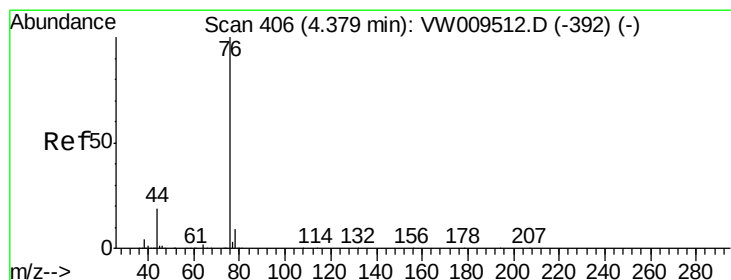
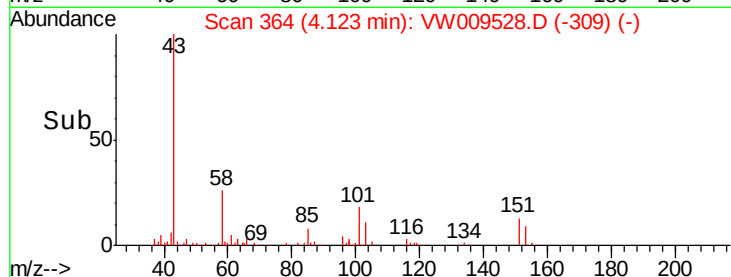
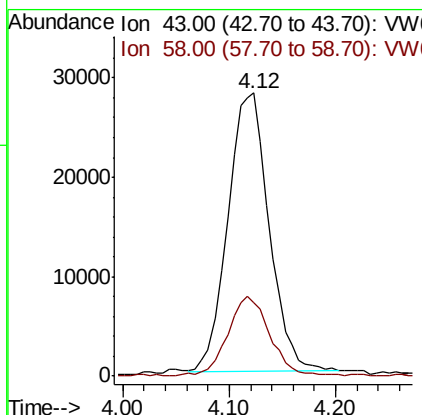
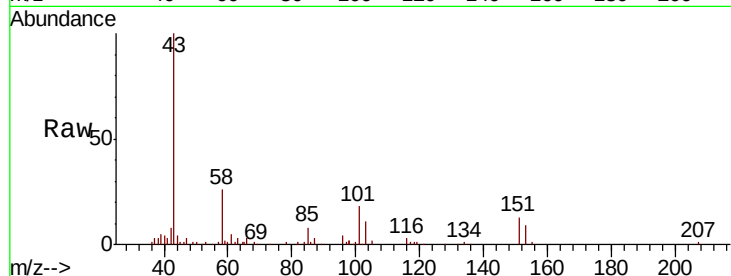




#13
Acetone
Concen: 56.188 ug/L
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW009528.D
Acq: 28 Mar 2019 04:39

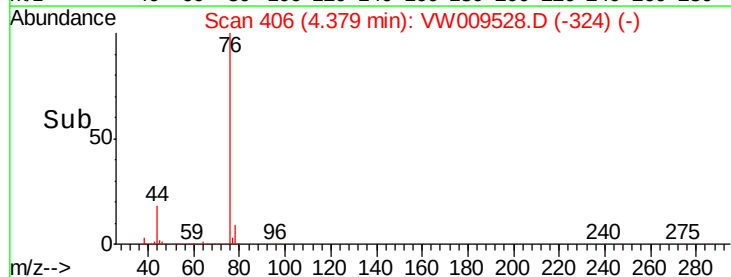
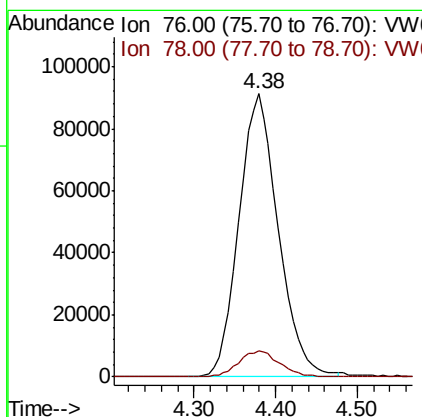
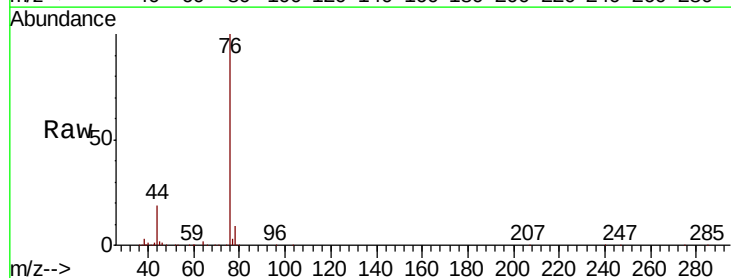
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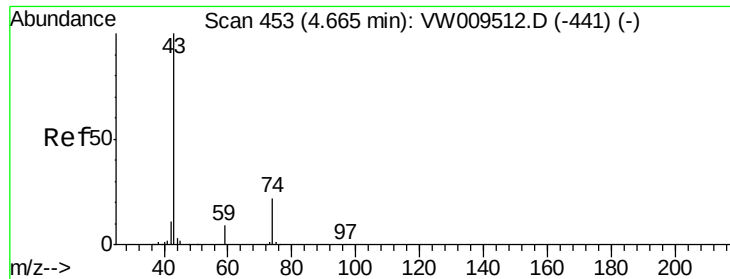
Tot Ion: 43 Resp: 76287
Ion Ratio Lower Upper
43 100
58 28.7 0.0 56.2



#14
Carbon disulfide
Concen: 27.510 ug/L
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW009528.D
Acq: 28 Mar 2019 04:39

Tgt Ion: 76 Resp: 305429
Ion Ratio Lower Upper
76 100
78 9.4 7.3 10.9

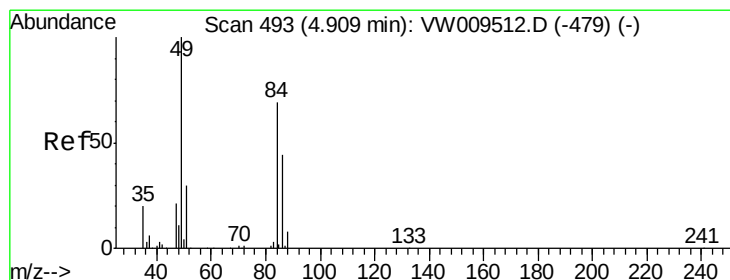
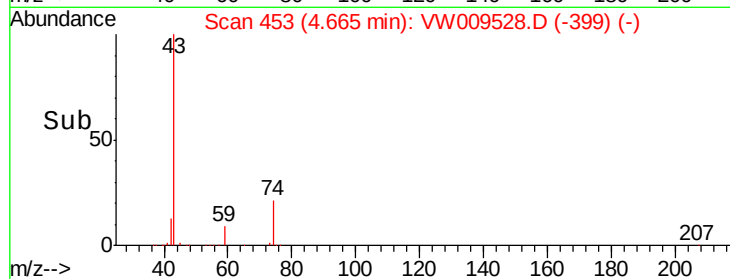
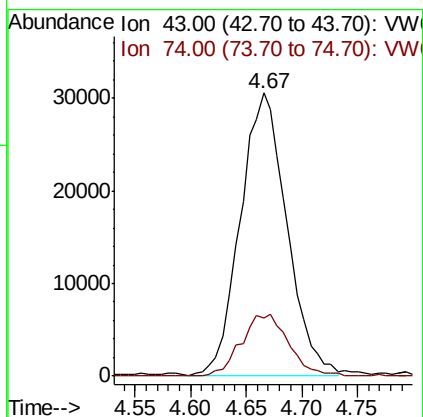
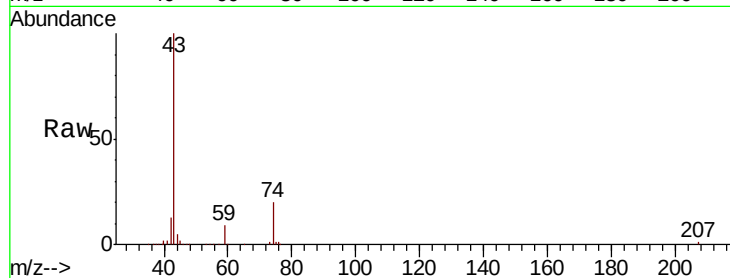




#15
Methvl Acetate
Concen: 33.254 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW009528.D
Acq: 28 Mar 2019 04:39

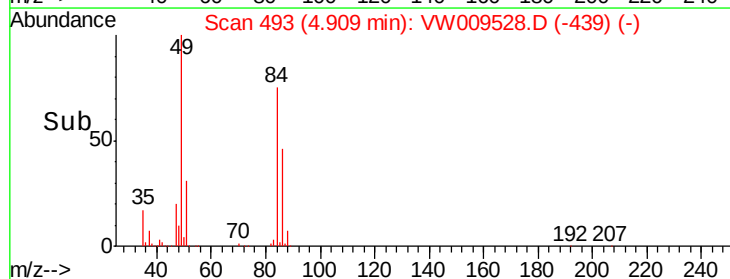
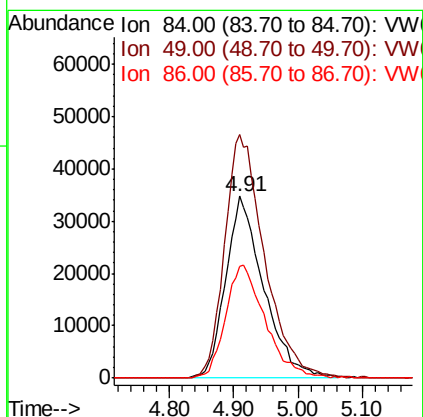
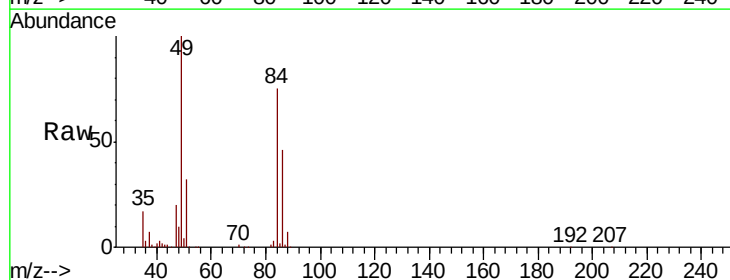
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

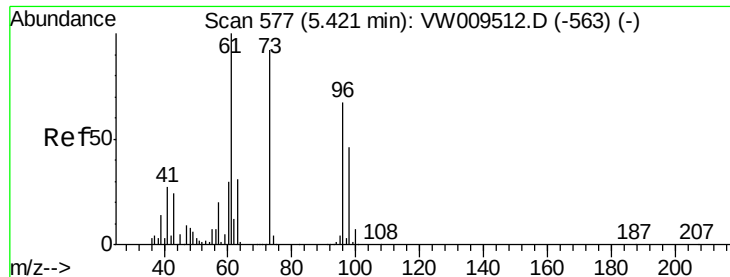
Tot Ion: 43 Resp: 88696
Ion Ratio Lower Upper
43 100
74 22.1 16.7 25.1



#16
Methylene chloride
Concen: 29.350 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW009528.D
Acq: 28 Mar 2019 04:39

Tgt Ion: 84 Resp: 143387
Ion Ratio Lower Upper
84 100
49 133.7 96.0 178.2
86 61.7 44.4 82.5

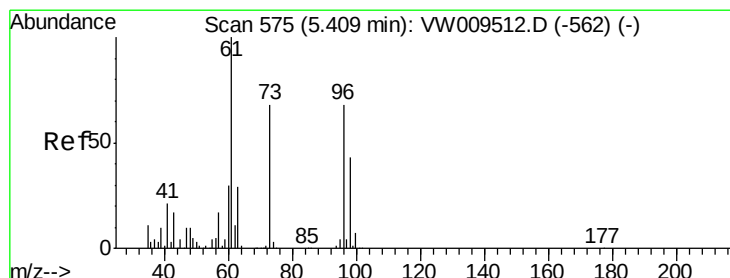
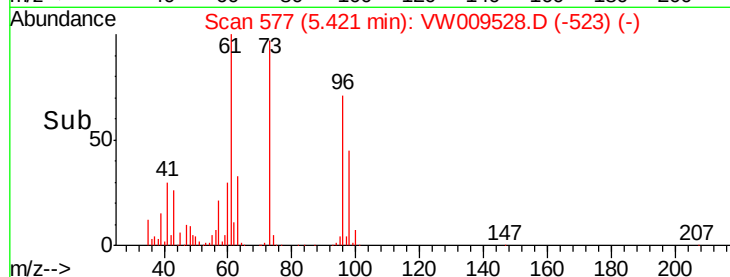
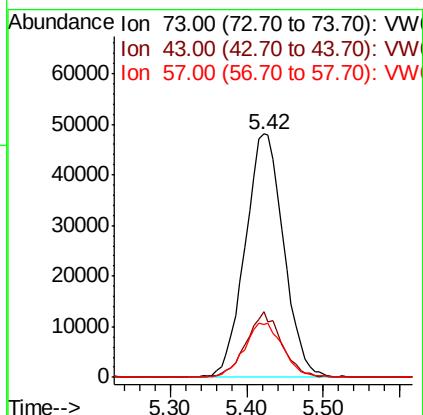
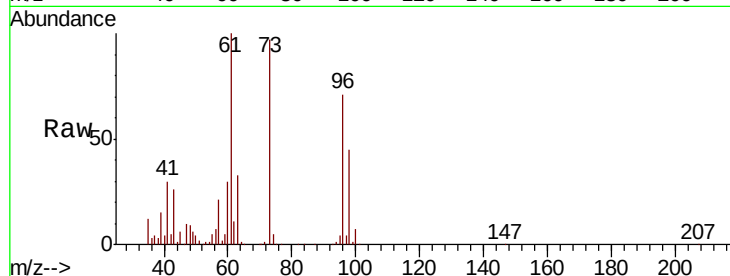




#17
Methvl tert-butvl Ether
Concen: 28.859 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW009528.D
Acq: 28 Mar 2019 04:39

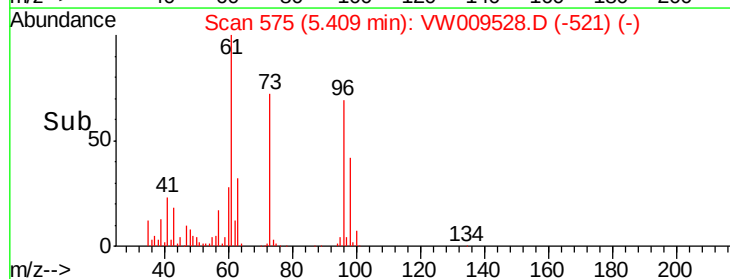
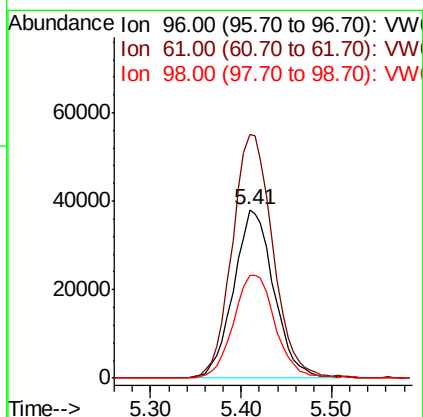
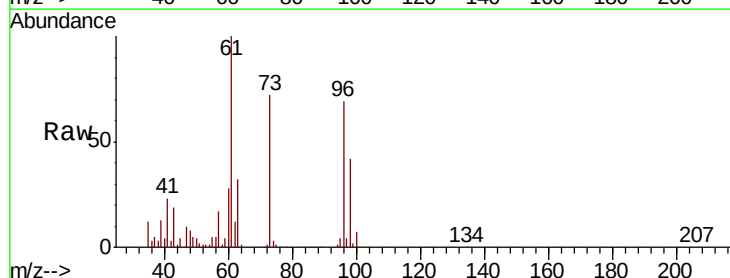
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

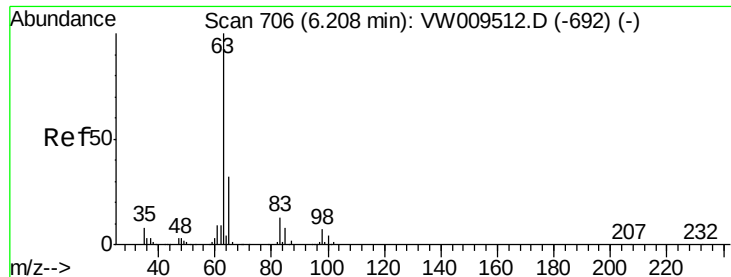
Tot Ion: 73 Resp: 168452
Ion Ratio Lower Upper
73 100
43 24.7 18.2 27.4
57 22.2 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 26.953 ug/L
RT: 5.41 min Scan# 575
Delta R.T. -0.00 min
Lab File: VW009528.D
Acq: 28 Mar 2019 04:39

Tgt Ion: 96 Resp: 116904
Ion Ratio Lower Upper
96 100
61 144.6 96.7 179.5
98 61.0 43.8 81.4

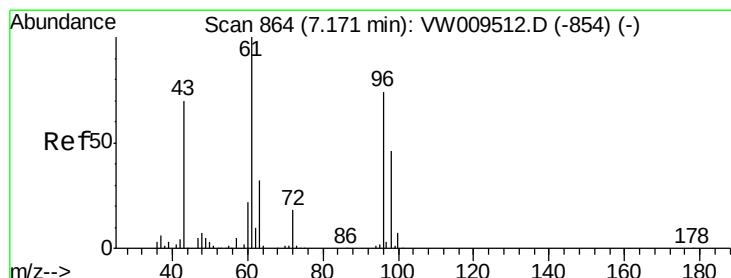
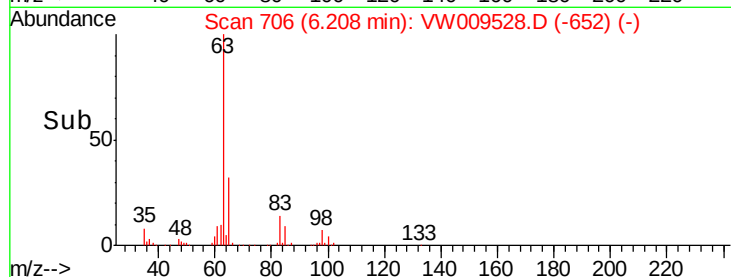
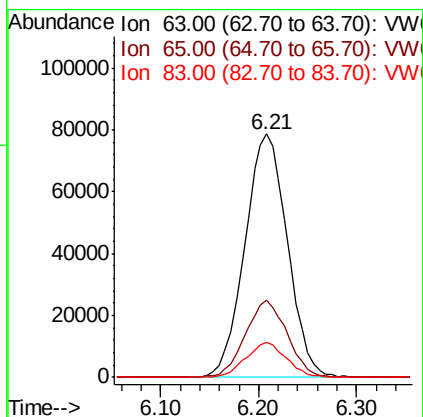
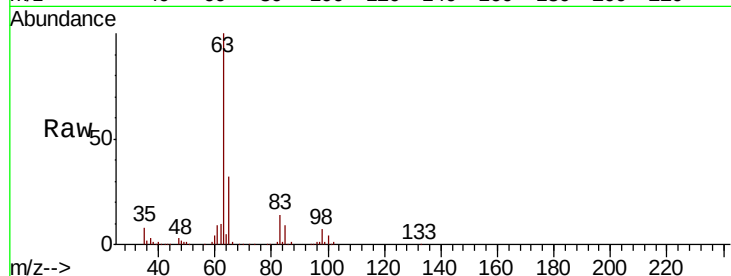




#19
 1,1-Dichloroethane
 Concen: 29.893 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW009528.D
 Acq: 28 Mar 2019 04:39

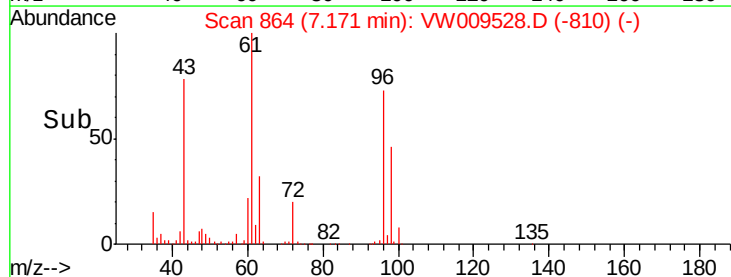
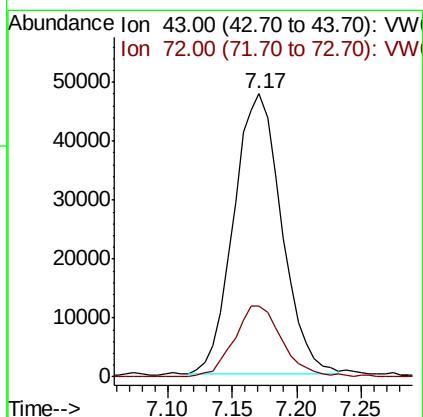
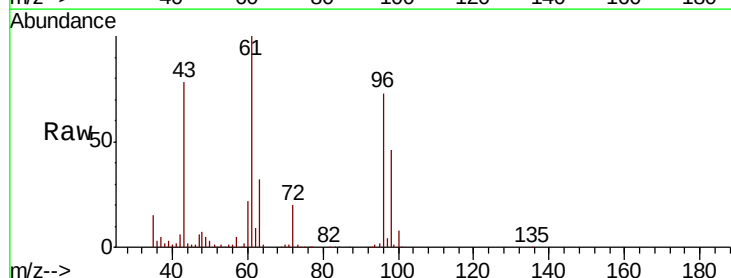
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

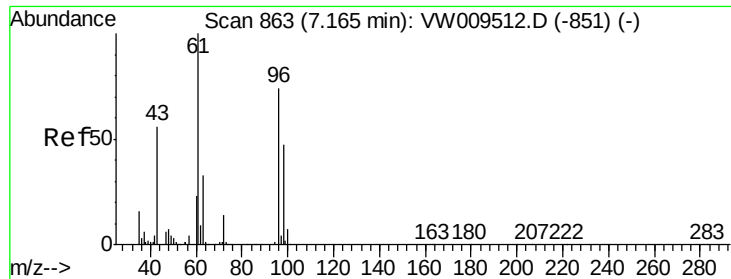
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	21.6	40.0
83	14.2	10.1	18.7



#21
 2-Butanone
 Concen: 65.900 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW009528.D
 Acq: 28 Mar 2019 04:39

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.0	13.1	39.1



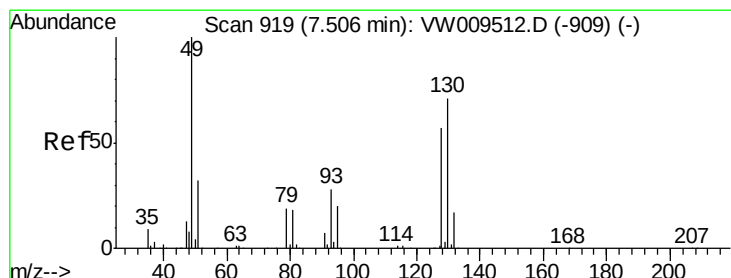
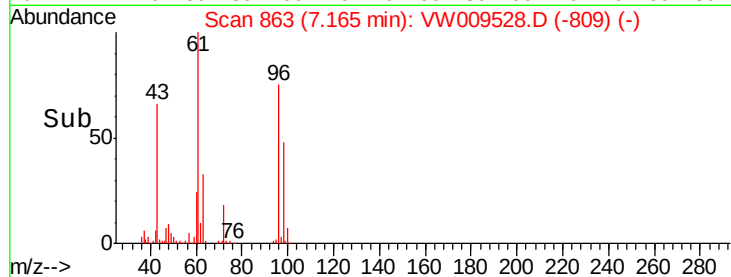
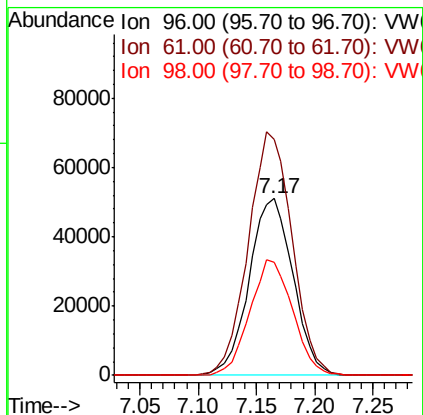
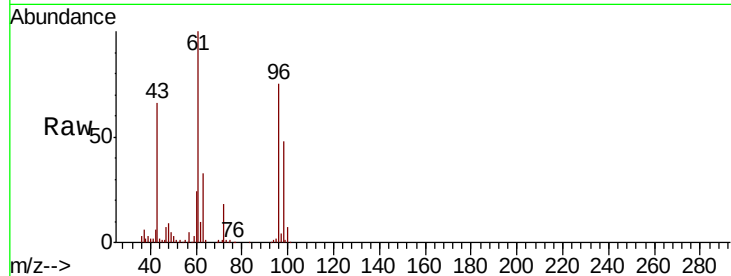


#22

cis-1,2-Dichloroethene
Concen: 28.387 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW009528.D
Acq: 28 Mar 2019 04:39

Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

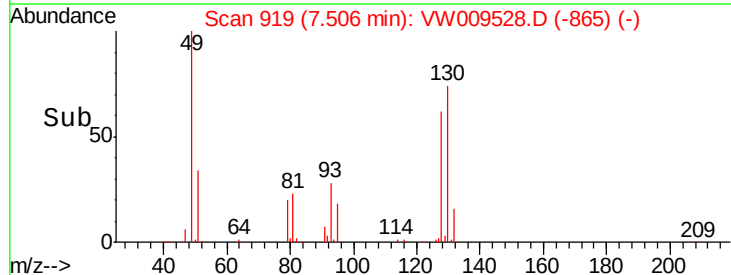
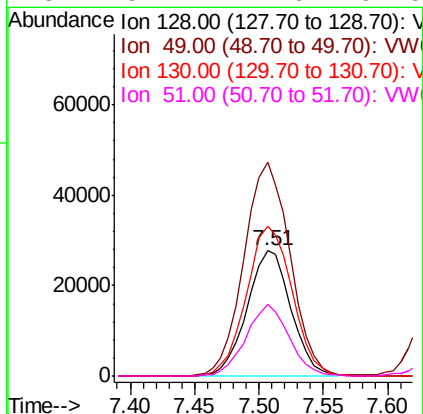
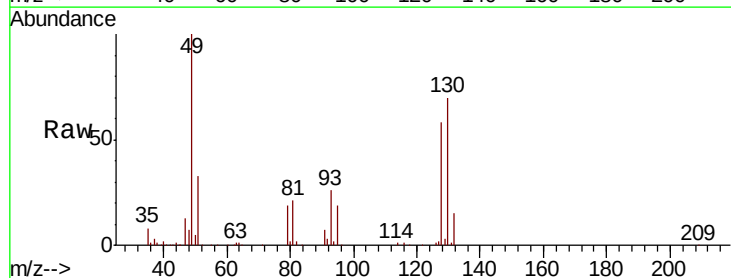
Tot Ion	Ratio	Lower	Upper
96	100		
61	133.7	90.6	168.3
98	64.1	44.0	81.8

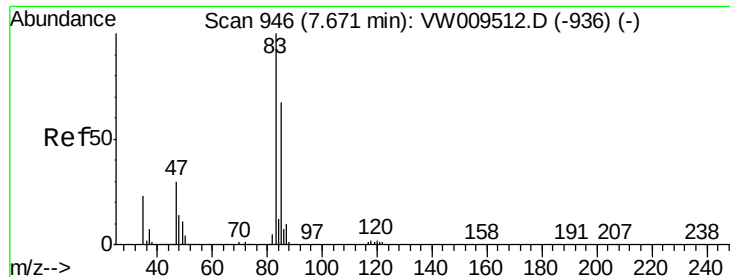


#23

Bromochloromethane
Concen: 29.092 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW009528.D
Acq: 28 Mar 2019 04:39

Tgt Ion	Ratio	Lower	Upper
128	100		
49	171.0	118.4	219.8
130	119.5	87.8	163.2
51	57.1	44.6	67.0

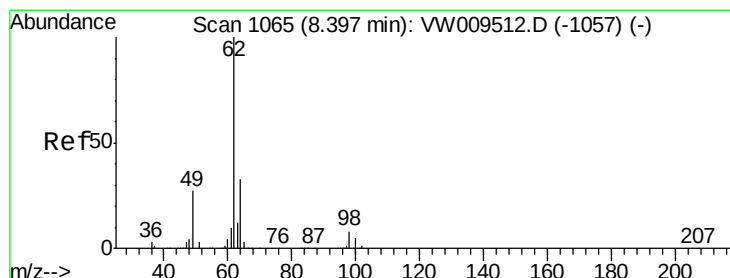
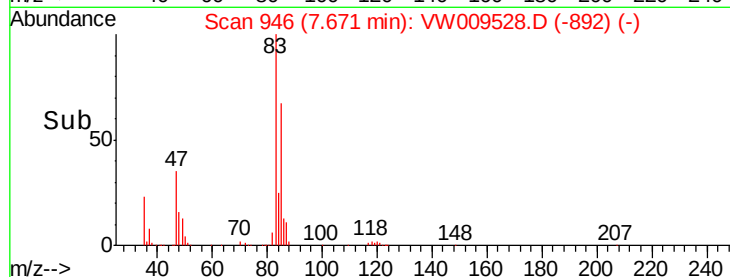
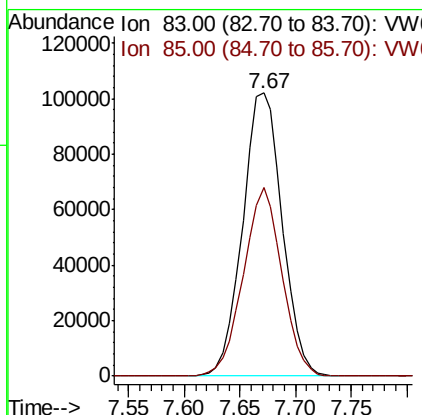
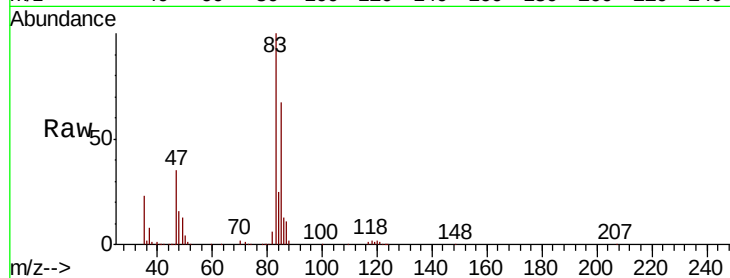




#25
Chloroform
Concen: 30.522 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW009528.D
Acq: 28 Mar 2019 04:39

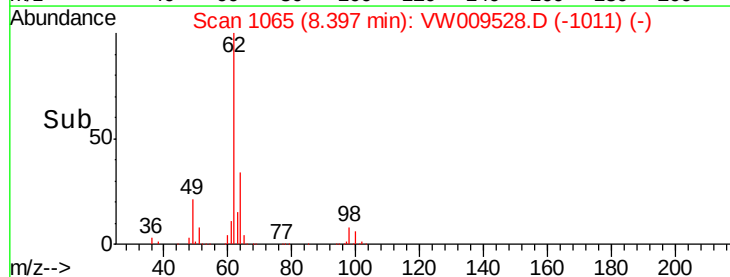
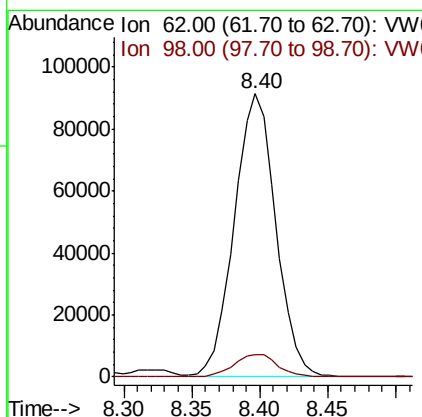
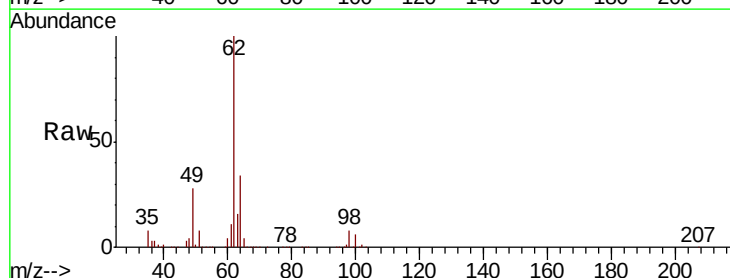
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

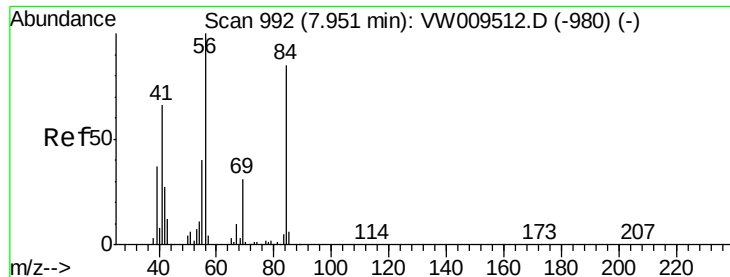
Tot Ion: 83 Resp: 252783
Ion Ratio Lower Upper
83 100
85 65.0 46.0 85.4



#27
1,2-Dichloroethane
Concen: 31.579 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW009528.D
Acq: 28 Mar 2019 04:39

Tgt Ion: 62 Resp: 194994
Ion Ratio Lower Upper
62 100
98 7.9 7.3 10.9

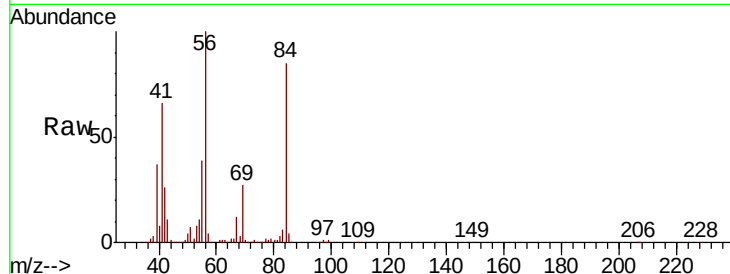




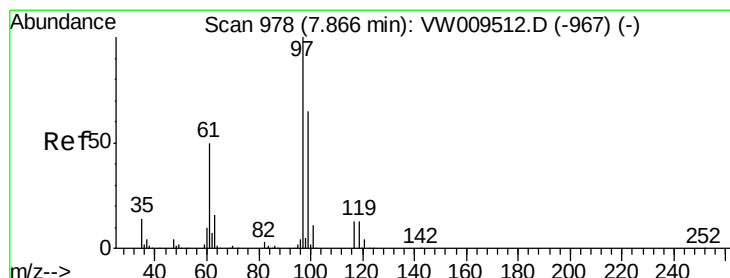
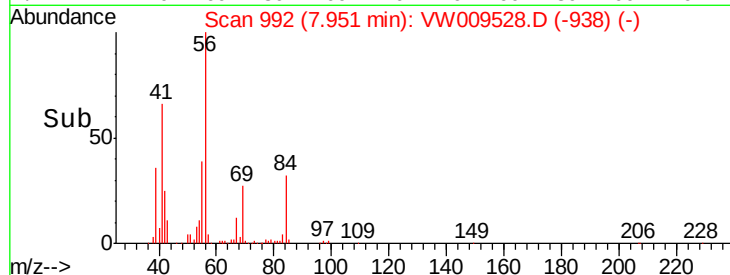
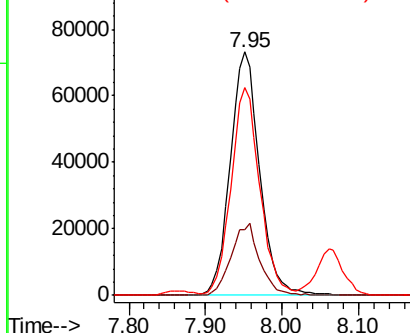
#30
Cyclohexane
Concen: 25.794 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW009528.D
Acq: 28 Mar 2019 04:39

Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

Tot Ion: 56 Resp: 194655
Ion Ratio Lower Upper
56 100
69 28.5 24.0 36.0
84 83.2 69.2 103.8

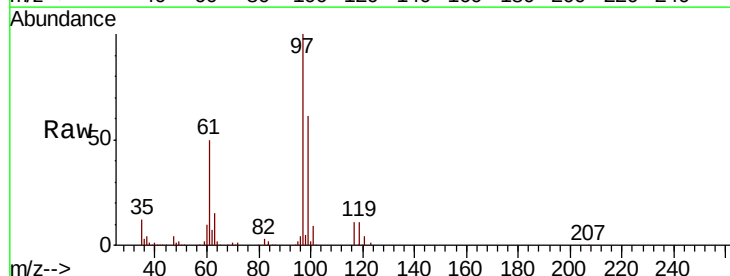


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

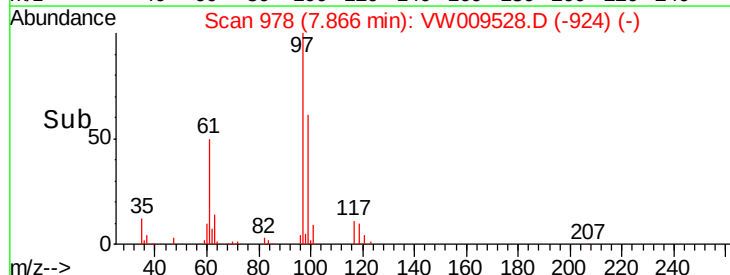
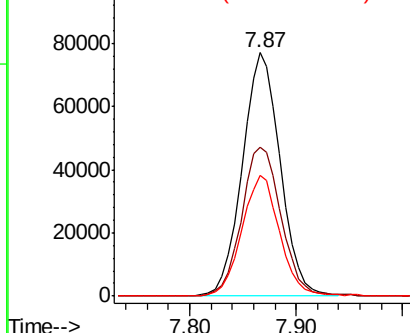


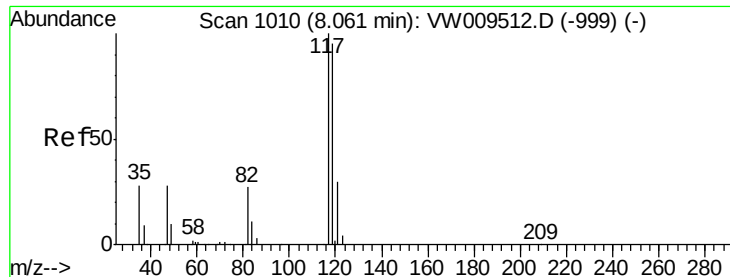
#31
1,1,1-Trichloroethane
Concen: 28.936 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW009528.D
Acq: 28 Mar 2019 04:39

Tgt Ion: 97 Resp: 192035
Ion Ratio Lower Upper
97 100
99 64.0 51.2 76.8
61 49.3 38.4 57.6



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





#32

Carbon tetrachloride

Concen: 28.332 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VW009528.D

Acq: 28 Mar 2019 04:39

Instrument :

MSVOA_W

ClientSampleId :

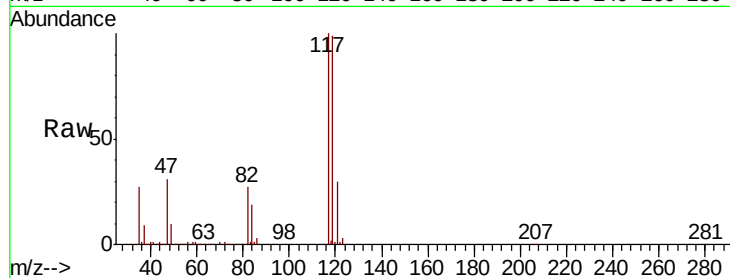
VSTD02530

Tot Ion:117 Resp: 189707

Ion Ratio Lower Upper

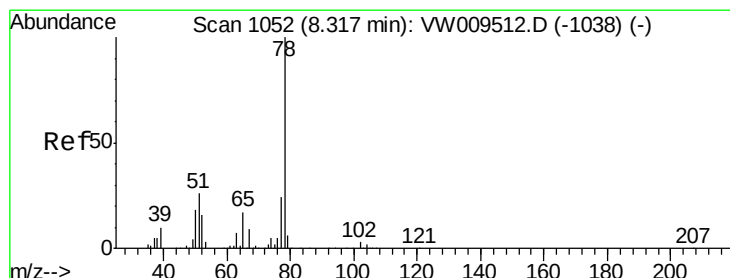
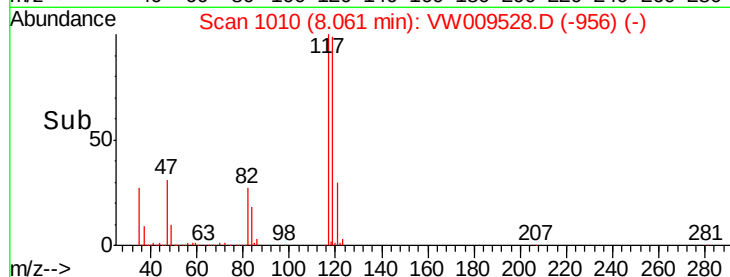
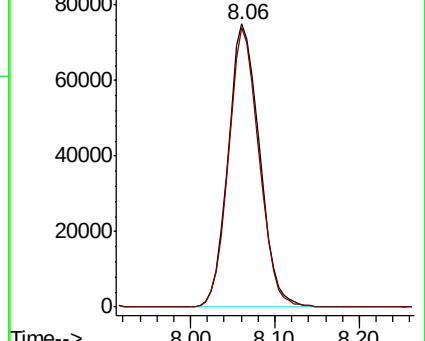
117 100

119 96.2 78.0 117.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 28.818 ug/L

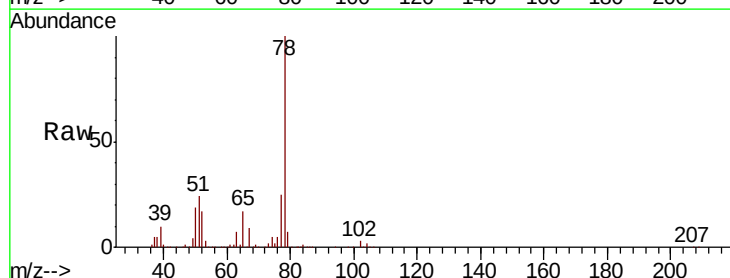
RT: 8.32 min Scan# 1052

Delta R.T. -0.00 min

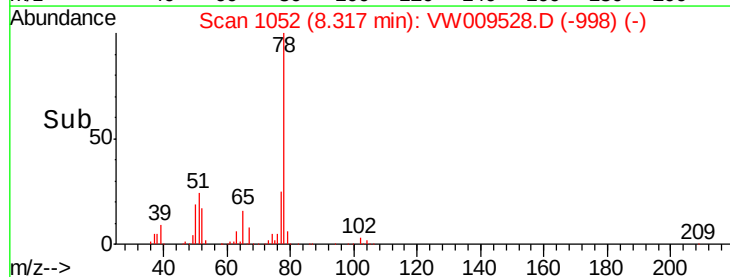
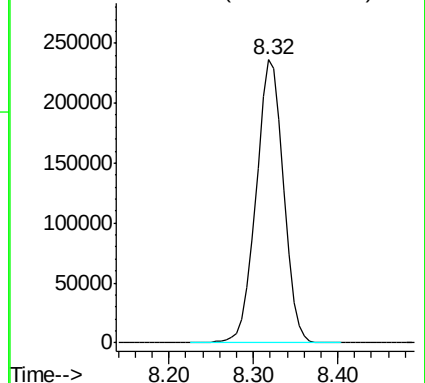
Lab File: VW009528.D

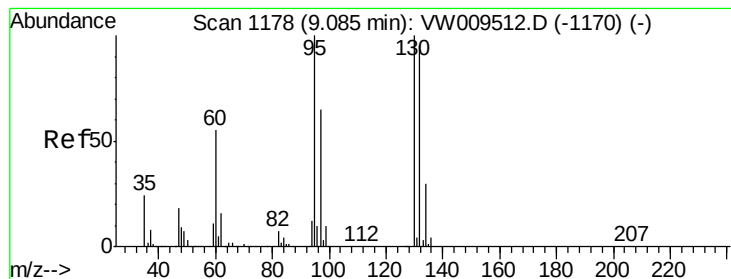
Acq: 28 Mar 2019 04:39

Tgt Ion: 78 Resp: 524121



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 27.625 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VW009528.D

Acq: 28 Mar 2019 04:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

Tot Ion: 95 Resp: 133876

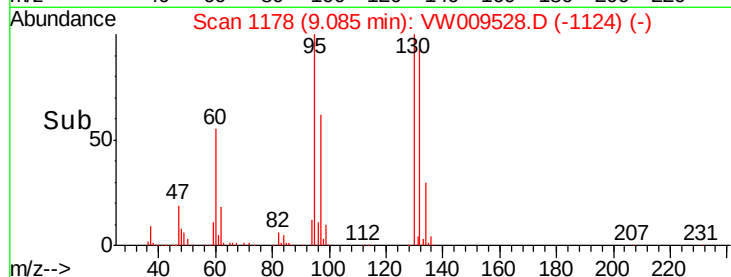
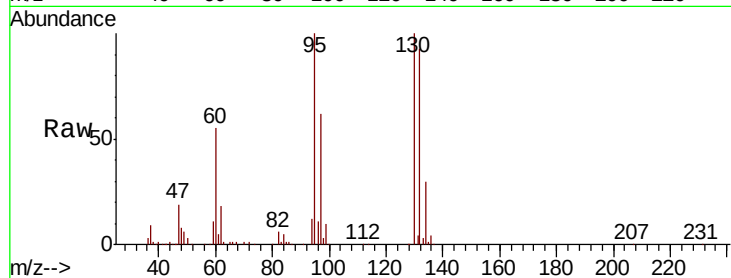
Ion Ratio Lower Upper

95 100

97 63.3 44.7 82.9

132 95.8 69.0 128.2

130 100.1 72.7 134.9



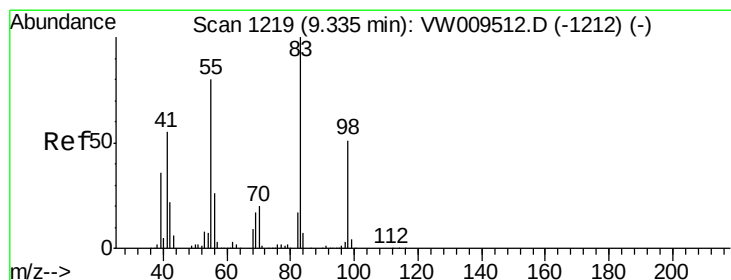
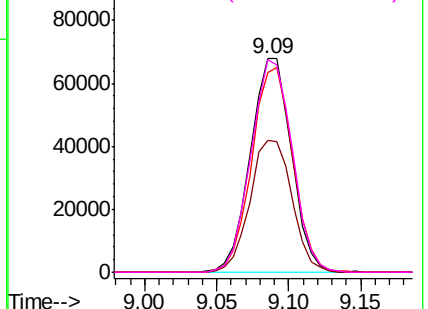
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 25.948 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW009528.D

Acq: 28 Mar 2019 04:39

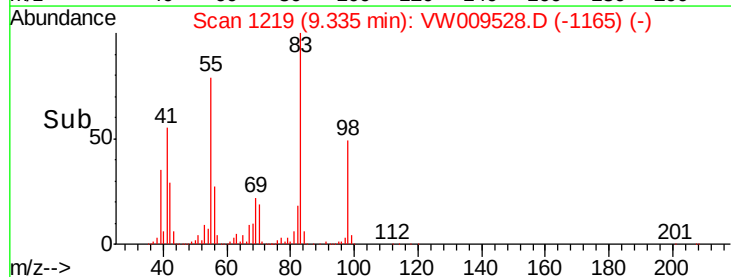
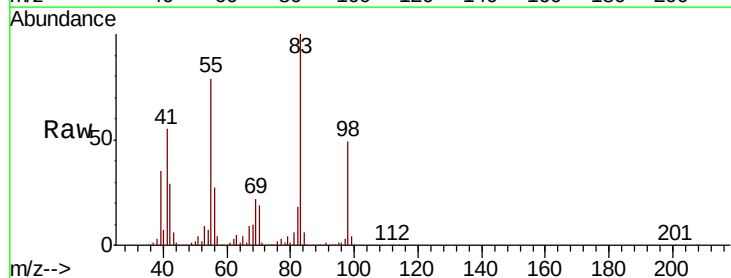
Tgt Ion: 83 Resp: 217557

Ion Ratio Lower Upper

83 100

55 79.9 63.5 95.3

98 48.4 39.8 59.8

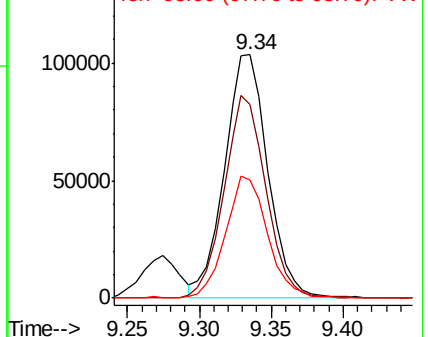


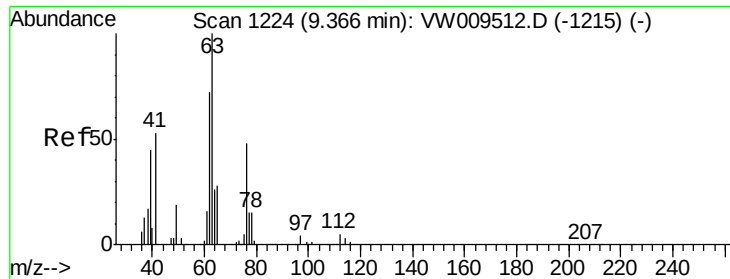
Abundance

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

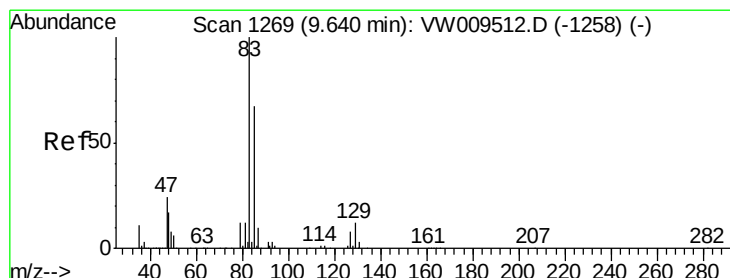
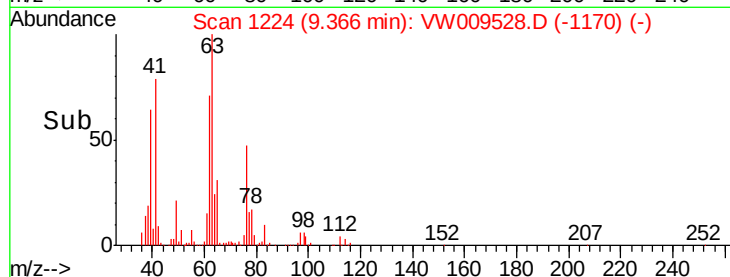
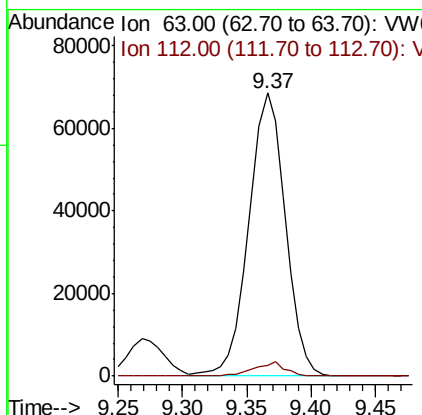
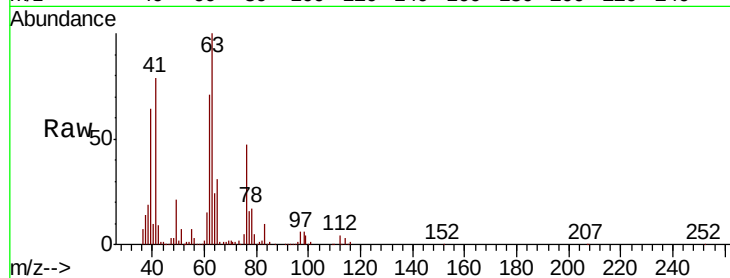




#40
 1,2-Dichloropropane
 Concen: 28.885 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW009528.D
 Acq: 28 Mar 2019 04:39

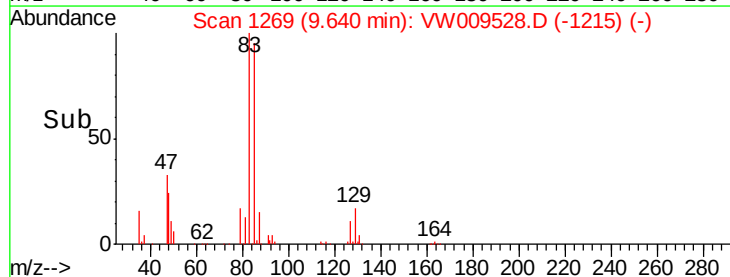
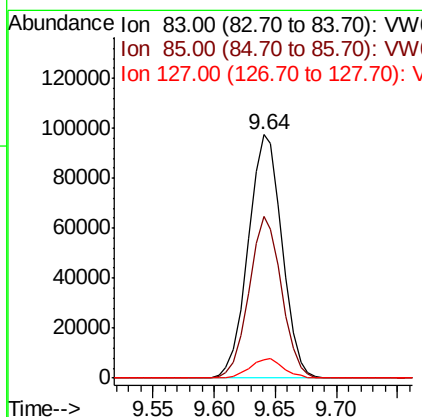
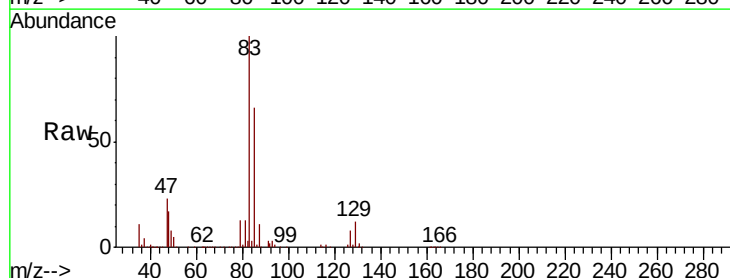
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

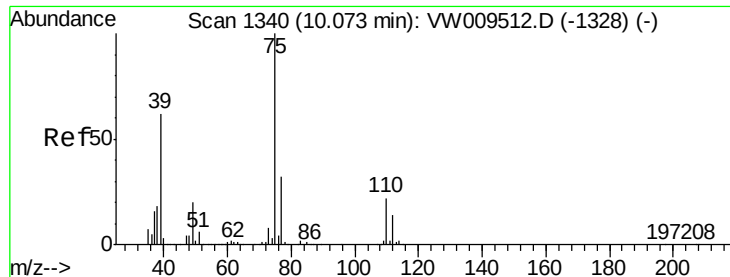
Tot Ion: 63 Resp: 134807
 Ion Ratio Lower Upper
 63 100
 112 4.4 4.0 6.0



#41
 Bromodichloromethane
 Concen: 28.920 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW009528.D
 Acq: 28 Mar 2019 04:39

Tgt Ion: 83 Resp: 187011
 Ion Ratio Lower Upper
 83 100
 85 66.2 43.5 80.7
 127 7.6 6.2 9.4





#42

cis-1,3-Dichloropropene

Concen: 27.030 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW009528.D

Acq: 28 Mar 2019 04:39

Instrument :

MSVOA_W

ClientSampleId :

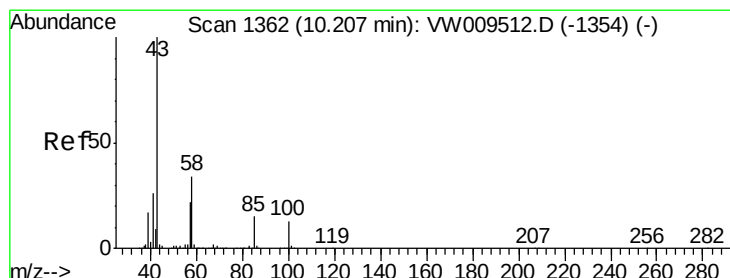
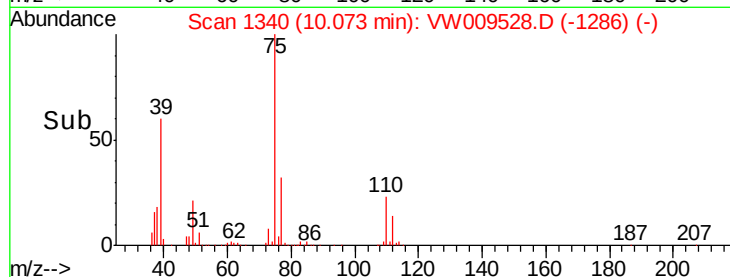
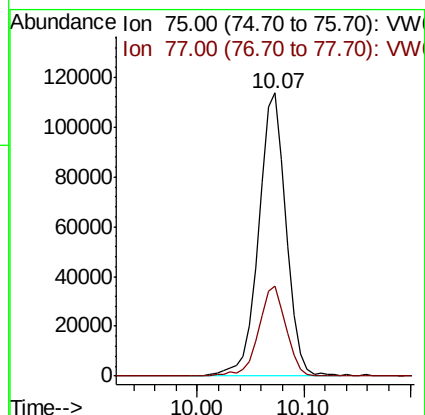
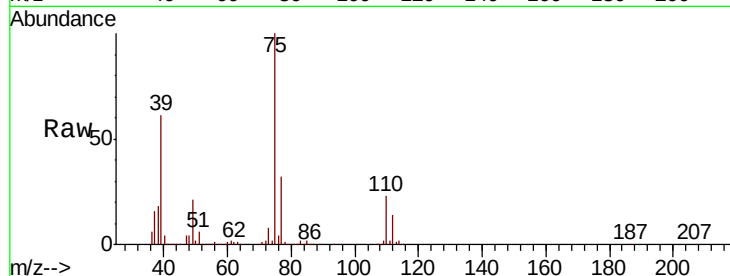
VSTD02530

Tot Ion: 75 Resp: 205463

Ion Ratio Lower Upper

75 100

77 32.0 21.6 40.2



#43

4-Methyl-2-pentanone

Concen: 63.621 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW009528.D

Acq: 28 Mar 2019 04:39

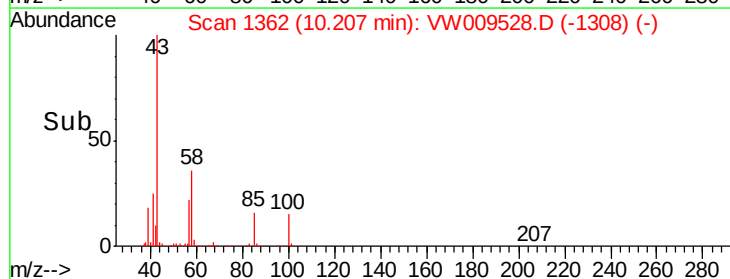
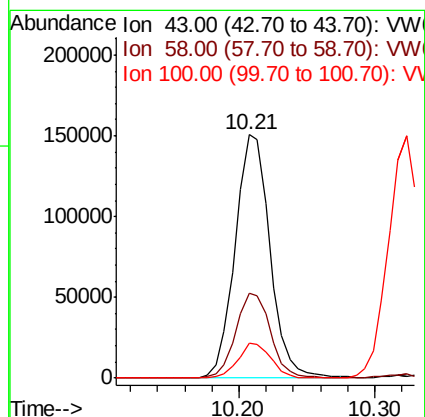
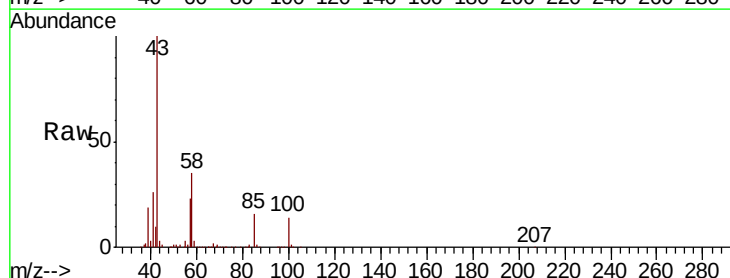
Tgt Ion: 43 Resp: 269053

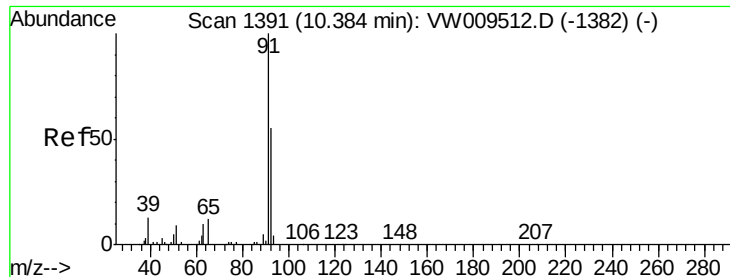
Ion Ratio Lower Upper

43 100

58 34.9 28.2 42.2

100 13.6 11.4 17.2





#44

Toluene

Concen: 28.336 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW009528.D

Acq: 28 Mar 2019 04:39

Instrument :

MSVOA_W

ClientSampleId :

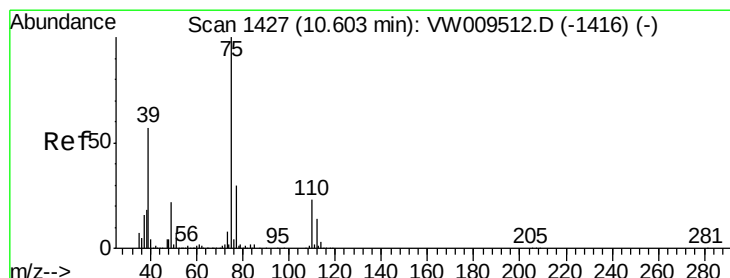
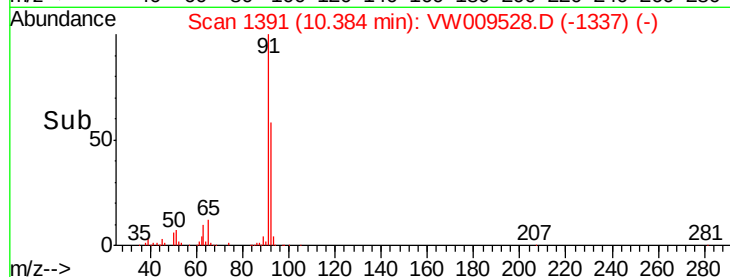
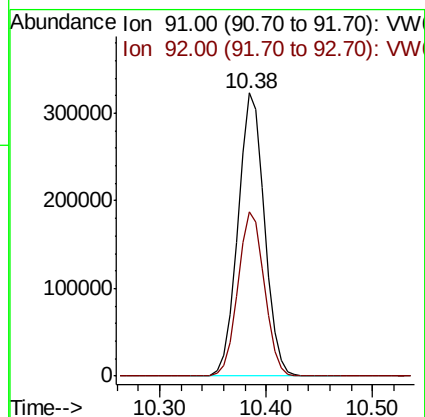
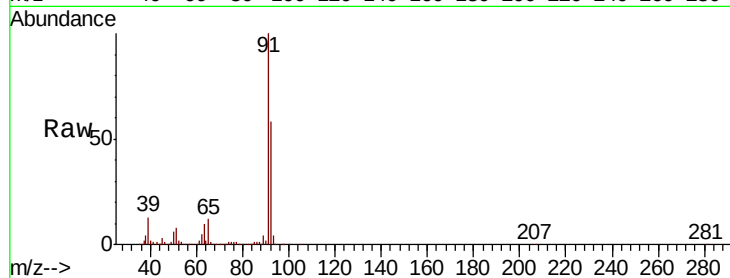
VSTD02530

Tot Ion: 91 Resp: 563463

Ion Ratio Lower Upper

91 100

92 58.0 39.8 73.8



#45

trans-1,3-Dichloropropene

Concen: 27.200 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW009528.D

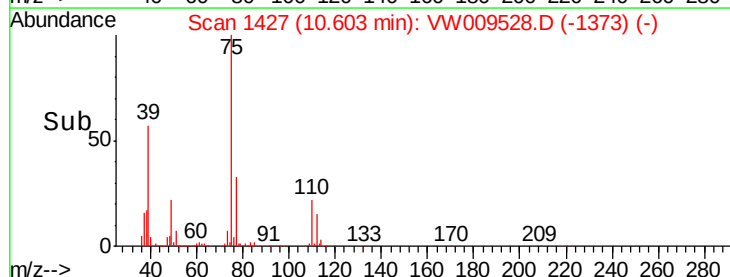
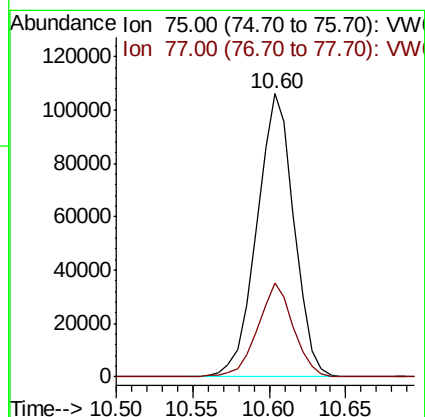
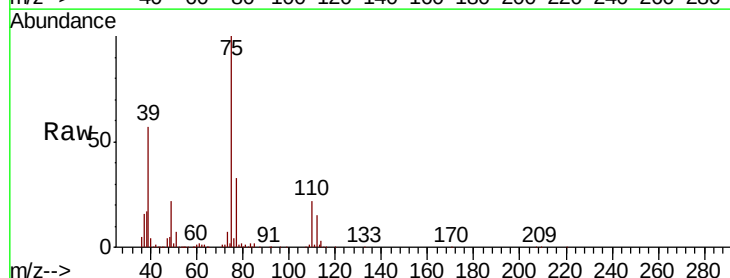
Acq: 28 Mar 2019 04:39

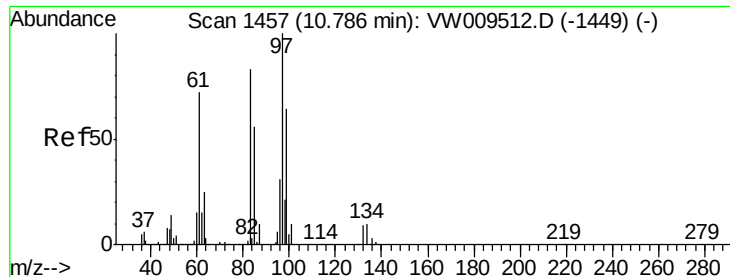
Tgt Ion: 75 Resp: 179854

Ion Ratio Lower Upper

75 100

77 33.1 22.5 41.7

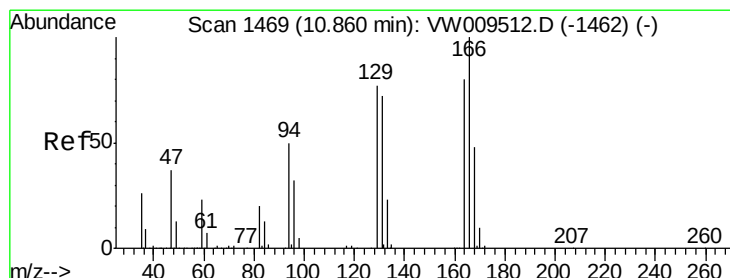
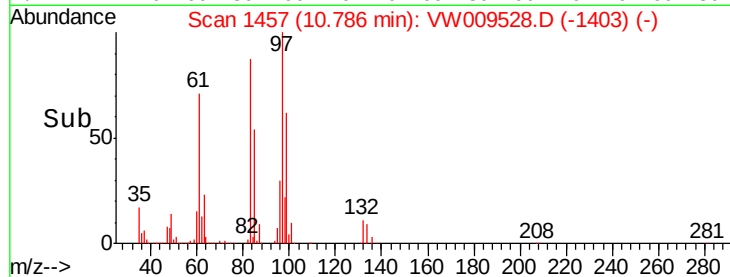
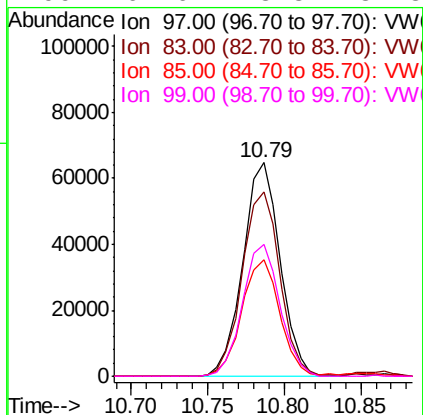
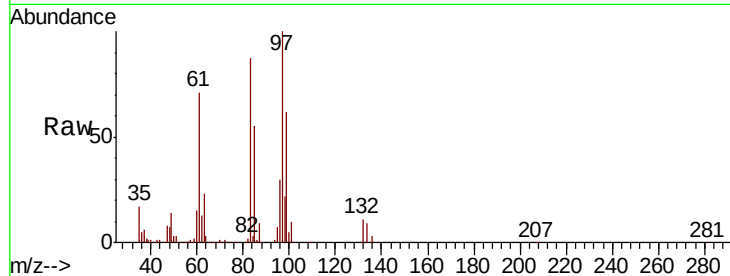




#46
1,1,2-Trichloroethane
Concen: 29.489 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW009528.D
Acq: 28 Mar 2019 04:39

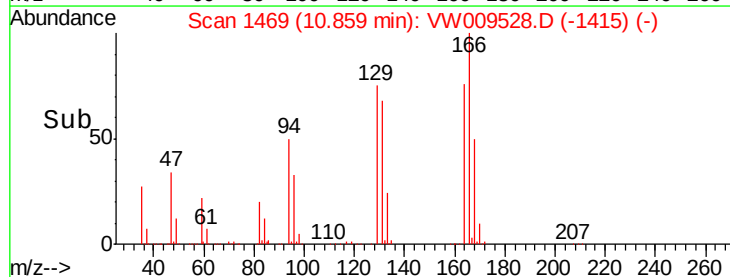
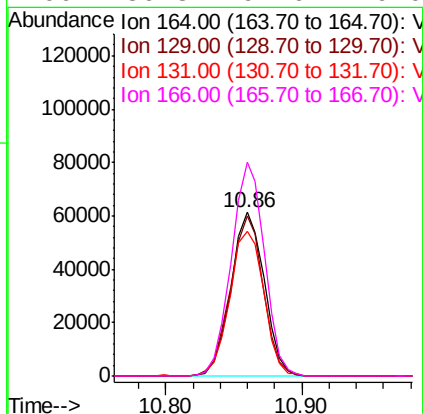
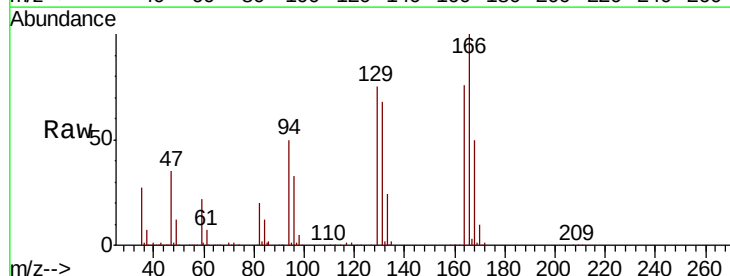
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

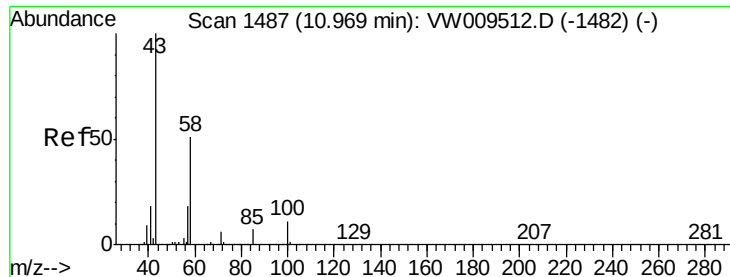
Tot Ion:	97	Resp:	109796
Ion	Ratio	Lower	Upper
97	100		
83	86.5	60.7	112.7
85	54.6	40.1	74.5
99	61.6	43.8	81.3



#47
Tetrachloroethene
Concen: 25.545 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW009528.D
Acq: 28 Mar 2019 04:39

Tgt Ion:	164	Resp:	104601
Ion	Ratio	Lower	Upper
164	100		
129	98.3	66.5	123.5
131	88.7	62.6	116.3
166	130.8	91.6	170.0





#49

2-Hexanone

Concen: 67.750 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW009528.D

Acq: 28 Mar 2019 04:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

Tot Ion: 43 Resp: 201795

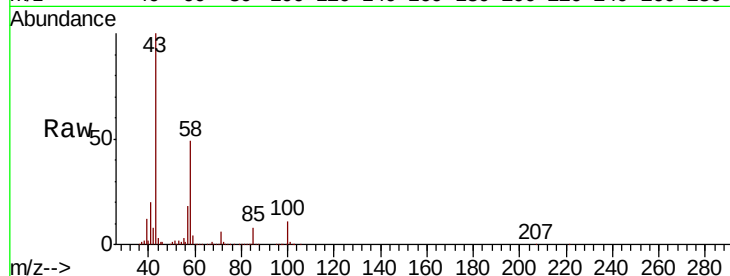
Ion Ratio Lower Upper

43 100

58 51.3 39.2 58.8

57 17.5 14.2 21.2

100 10.6 8.9 13.3

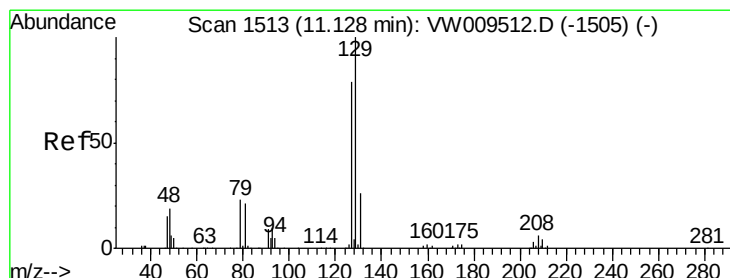
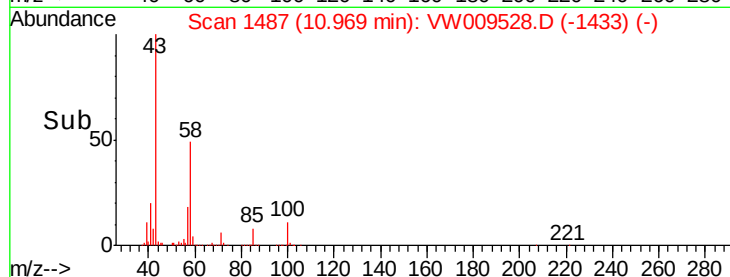
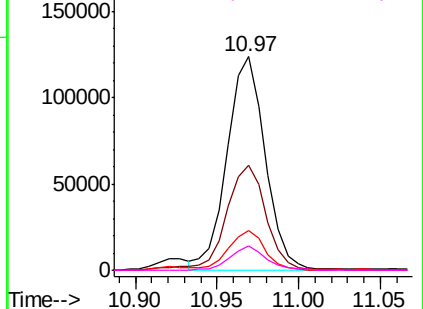


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 28.818 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW009528.D

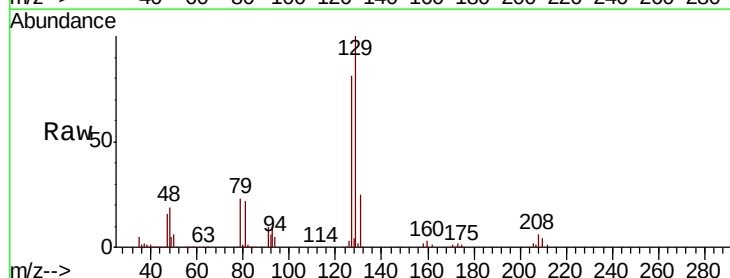
Acq: 28 Mar 2019 04:39

Tgt Ion: 129 Resp: 132452

Ion Ratio Lower Upper

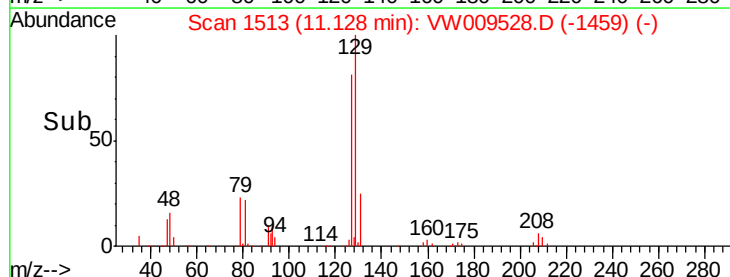
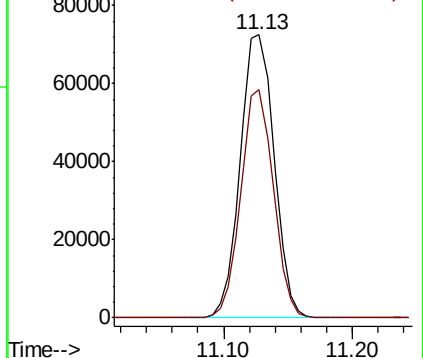
129 100

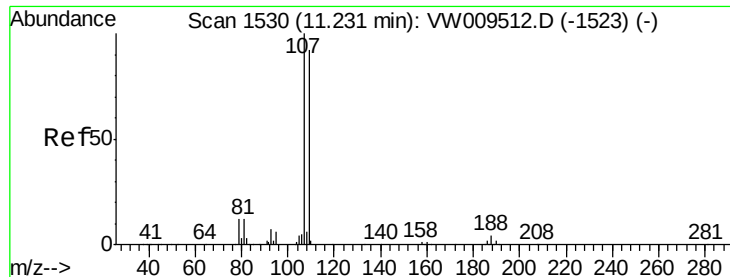
127 80.6 56.8 105.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 29.718 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW009528.D

Acq: 28 Mar 2019 04:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

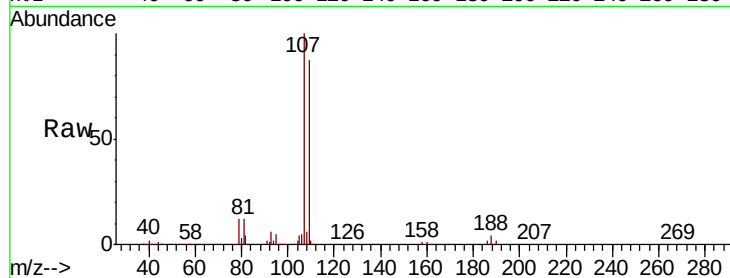
Tot Ion:107 Resp: 112170

Ion Ratio Lower Upper

107 100

109 87.4 68.0 126.4

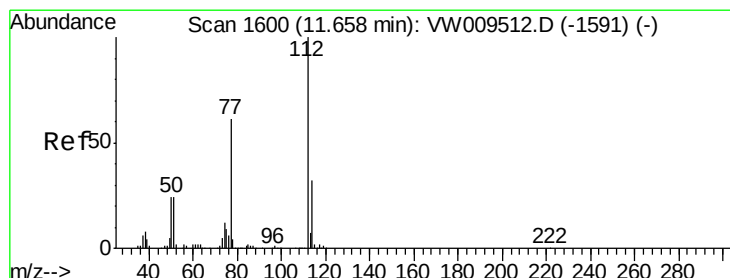
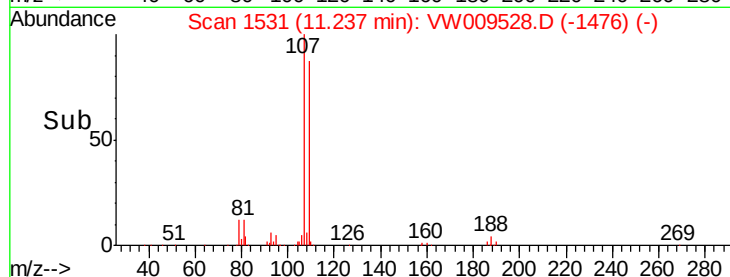
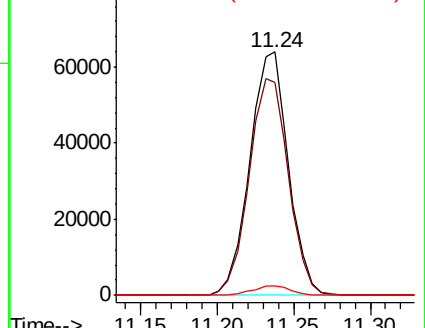
188 3.8 3.5 5.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 28.144 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW009528.D

Acq: 28 Mar 2019 04:39

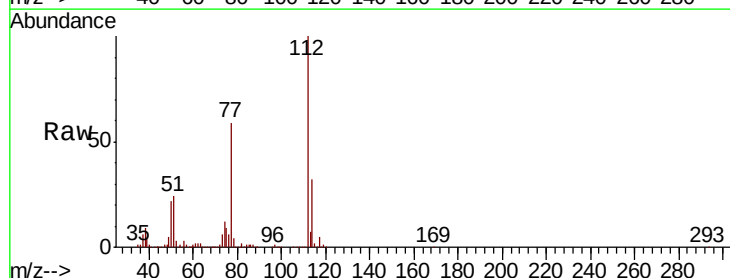
Tgt Ion:112 Resp: 358948

Ion Ratio Lower Upper

112 100

77 59.1 45.7 68.5

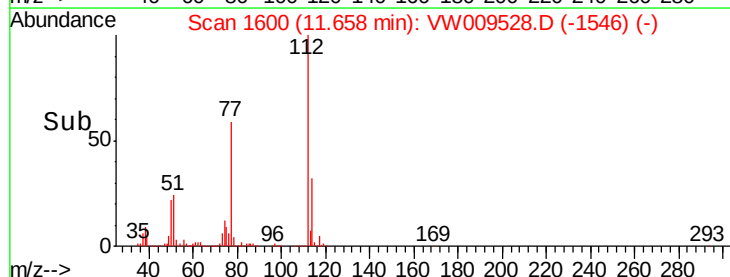
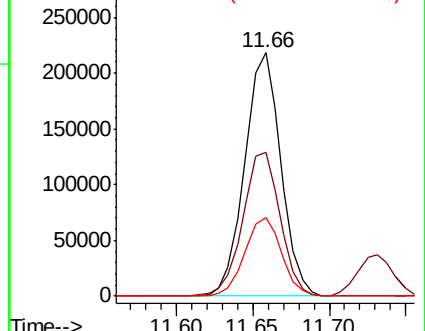
114 32.4 22.8 42.4

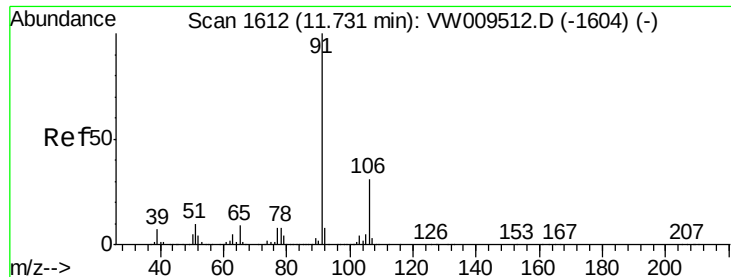


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V

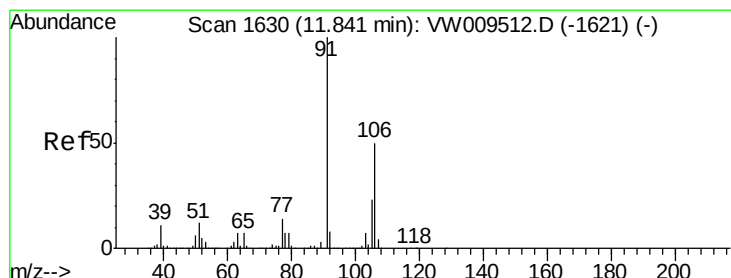
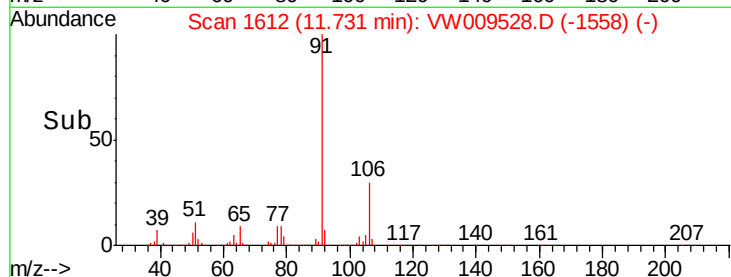
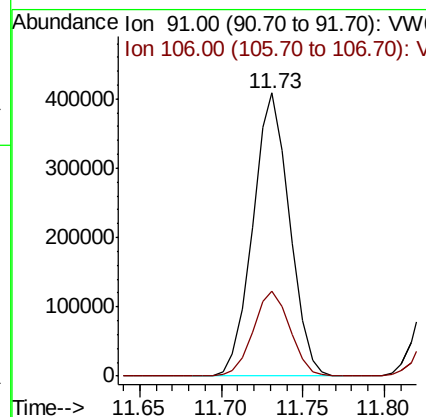
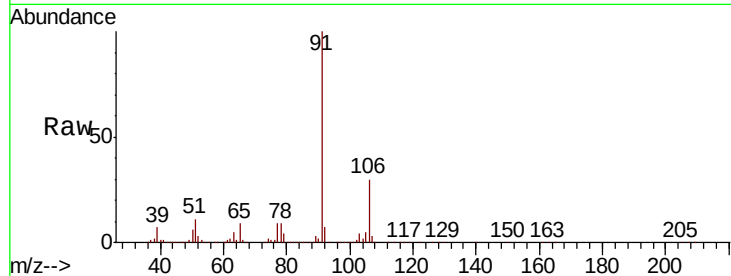




#53
Ethylbenzene
Concen: 28.581 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009528.D
Acq: 28 Mar 2019 04:39

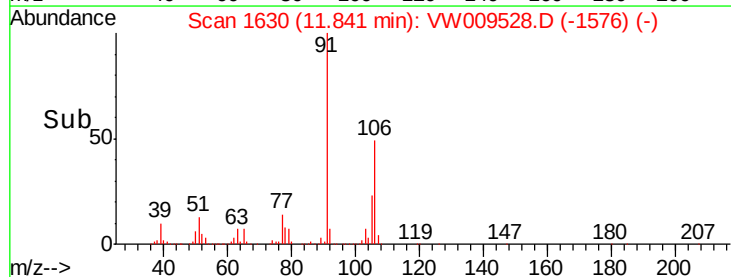
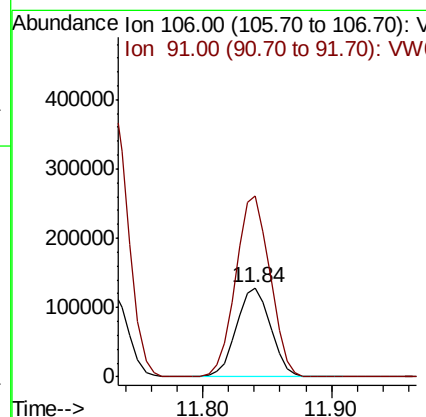
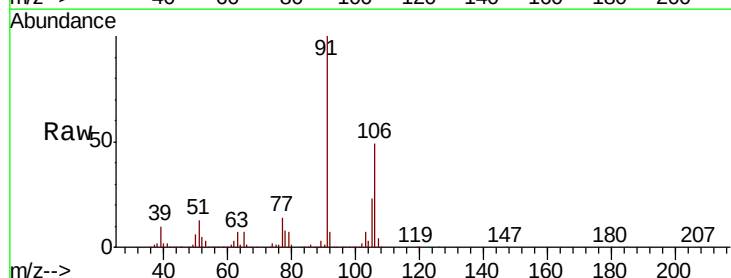
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

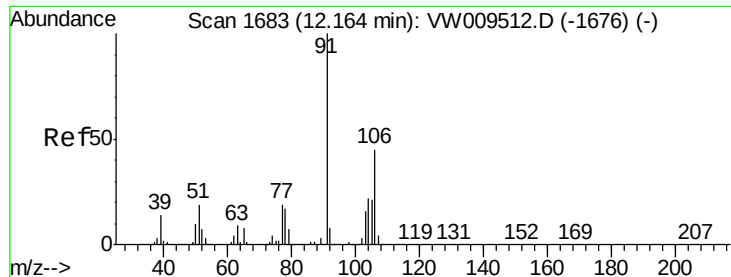
Tot Ion: 91 Resp: 638958
Ion Ratio Lower Upper
91 100
106 30.1 21.0 39.0



#54
m,p-Xylene
Concen: 27.971 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW009528.D
Acq: 28 Mar 2019 04:39

Tgt Ion: 106 Resp: 237570
Ion Ratio Lower Upper
106 100
91 203.9 138.4 257.0





#55

o-xylene

Concen: 28.124 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW009528.D

Acq: 28 Mar 2019 04:39

Instrument :

MSVOA_W

ClientSampleId :

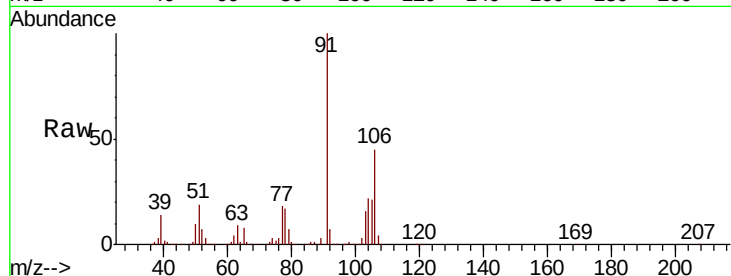
VSTD02530

Tot Ion:106 Resp: 233035

Ion Ratio Lower Upper

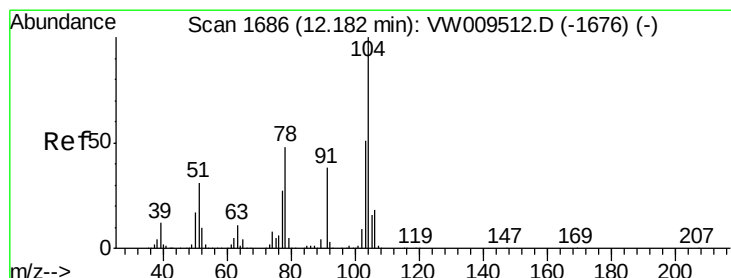
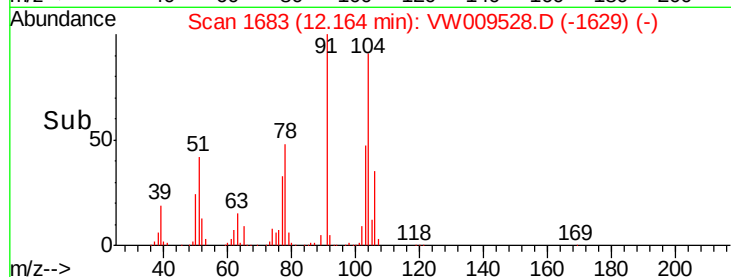
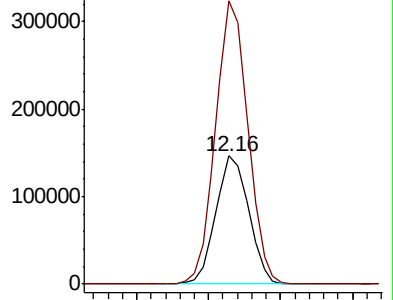
106 100

91 220.7 153.2 284.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 29.185 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW009528.D

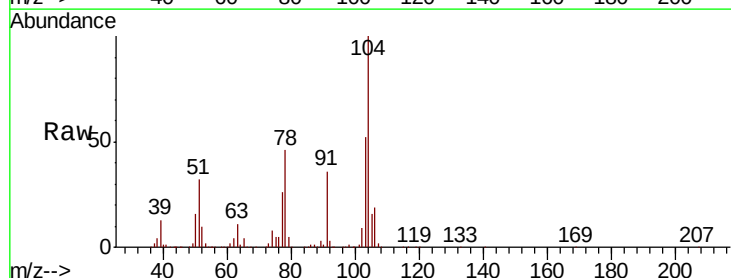
Acq: 28 Mar 2019 04:39

Tgt Ion:104 Resp: 412611

Ion Ratio Lower Upper

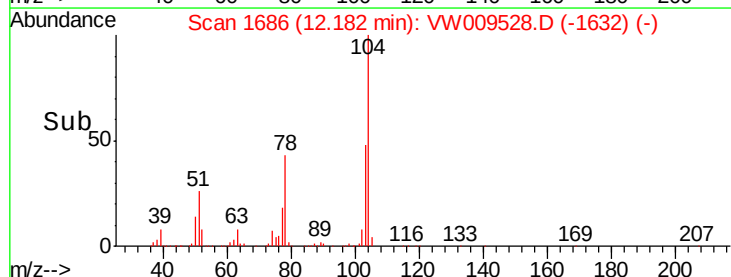
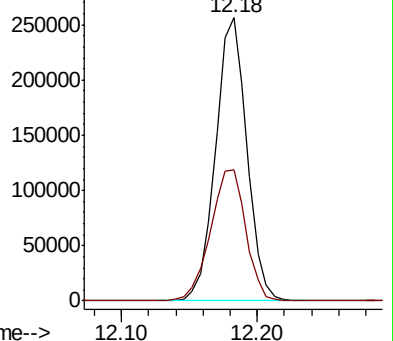
104 100

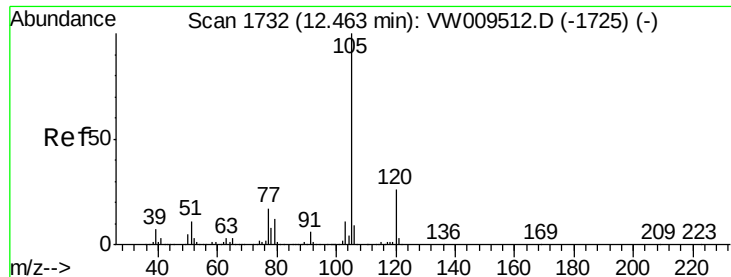
78 46.4 30.9 57.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 28.432 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW009528.D

Acq: 28 Mar 2019 04:39

Instrument :

MSVOA_W

ClientSampled :

VSTD02530

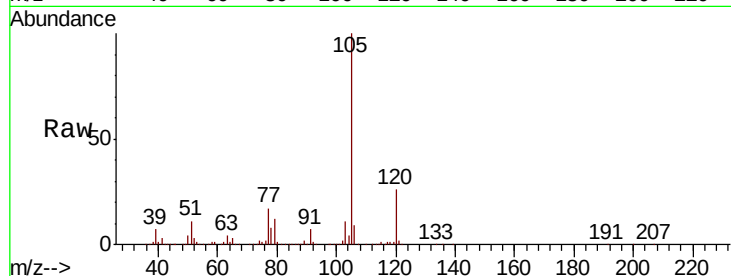
Tot Ion:105 Resp: 631094

Ion Ratio Lower Upper

105 100

120 26.7 21.3 31.9

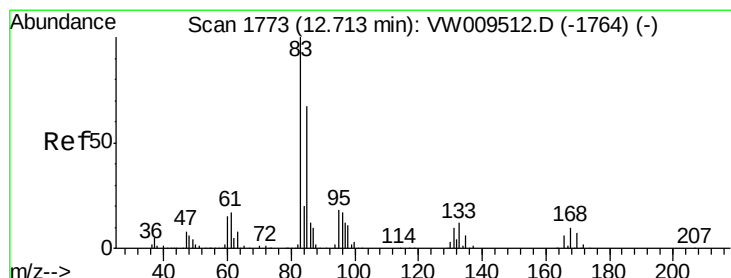
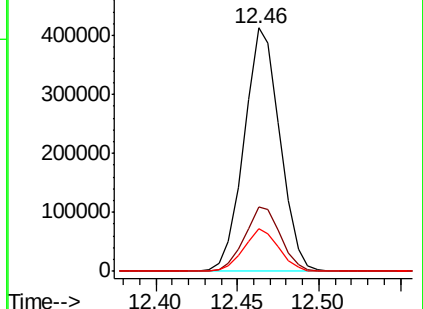
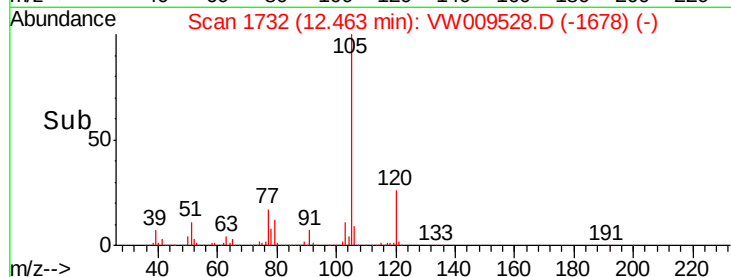
77 17.2 13.1 19.7



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: 31.021 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW009528.D

Acq: 28 Mar 2019 04:39

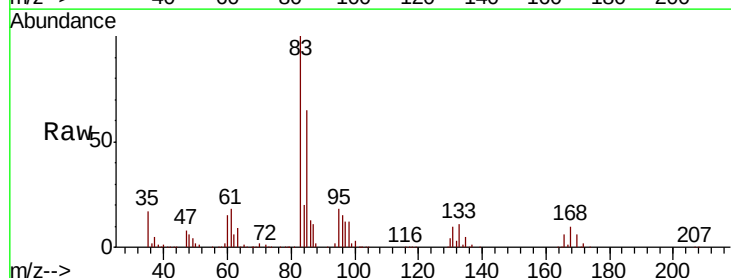
Tgt Ion: 83 Resp: 155816

Ion Ratio Lower Upper

83 100

85 64.6 45.6 84.8

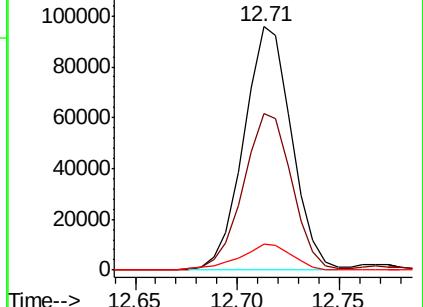
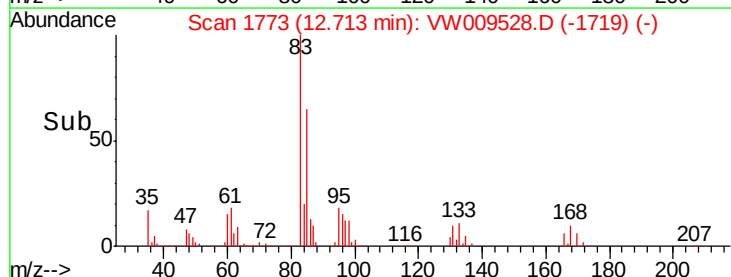
131 10.5 9.2 13.8

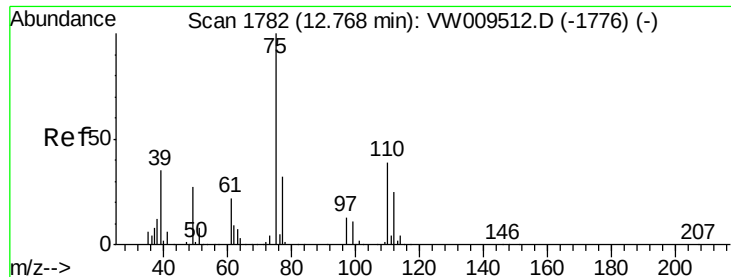


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 32.220 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW009528.D

Acq: 28 Mar 2019 04:39

Instrument :

MSVOA_W

ClientSampleId :

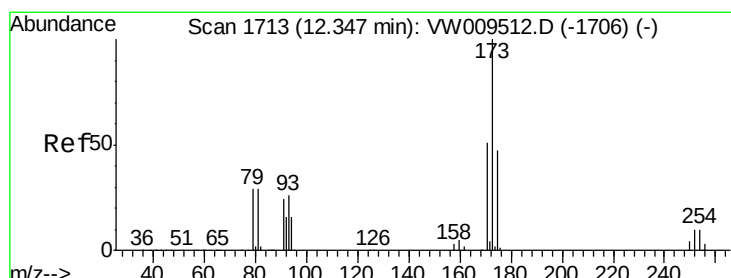
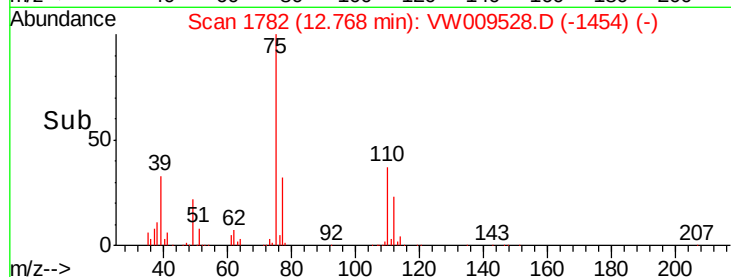
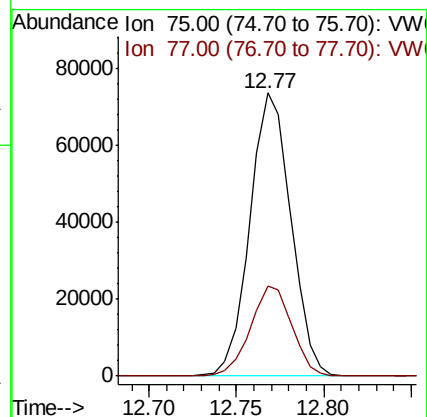
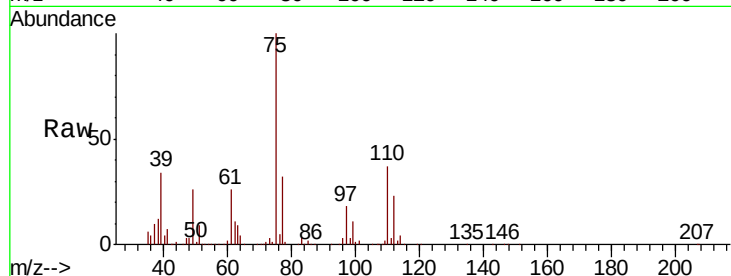
VSTD02530

Tot Ion: 75 Resp: 120106

Ion Ratio Lower Upper

75 100

77 32.2 26.2 39.2



#62

Bromoform

Concen: 29.048 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW009528.D

Acq: 28 Mar 2019 04:39

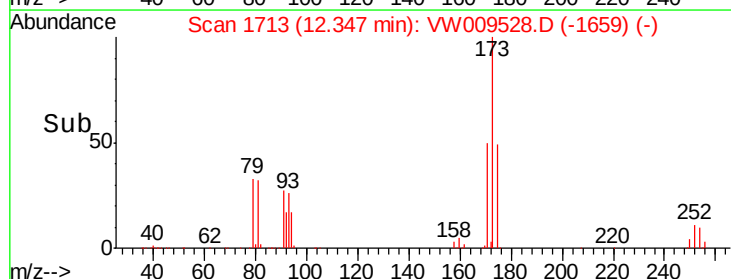
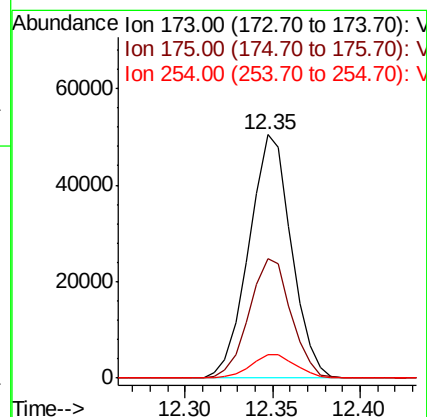
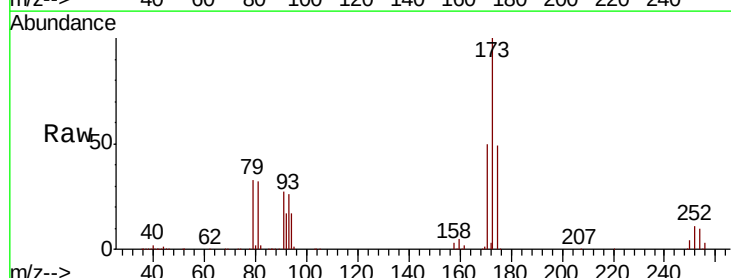
Tgt Ion: 173 Resp: 85204

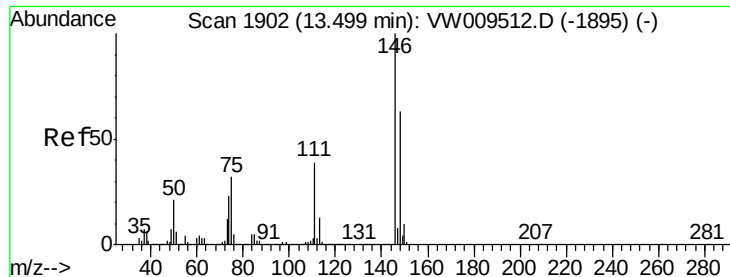
Ion Ratio Lower Upper

173 100

175 48.7 39.7 59.5

254 10.1 8.5 12.7





#63

1,3-Dichlorobenzene

Concen: 26.150 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW009528.D

Acq: 28 Mar 2019 04:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

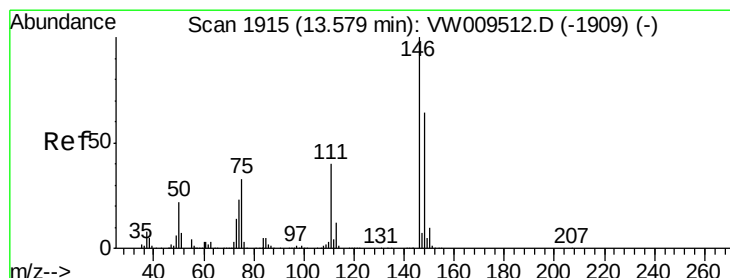
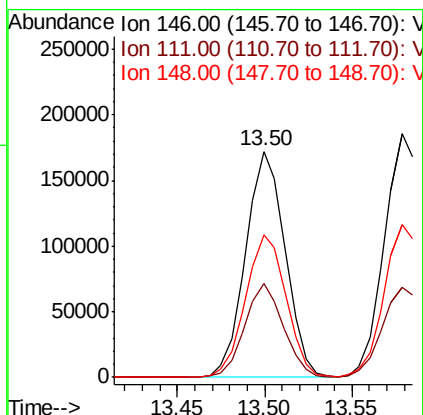
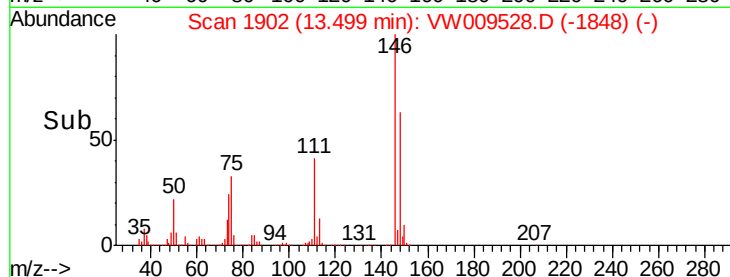
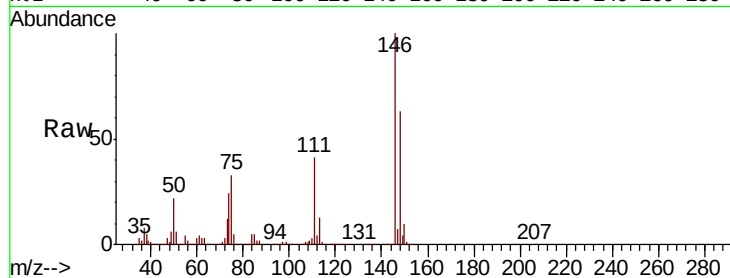
Tot Ion:146 Resp: 270555

Ion Ratio Lower Upper

146 100

111 41.4 26.9 49.9

148 63.2 45.1 83.7



#64

1,4-Dichlorobenzene

Concen: 27.237 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW009528.D

Acq: 28 Mar 2019 04:39

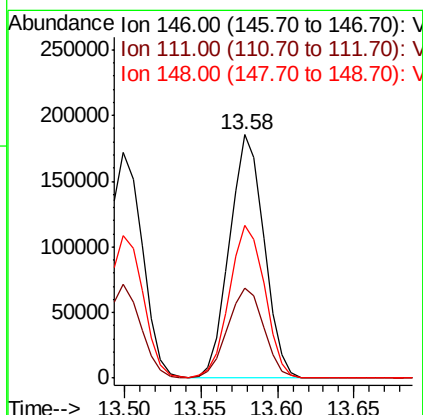
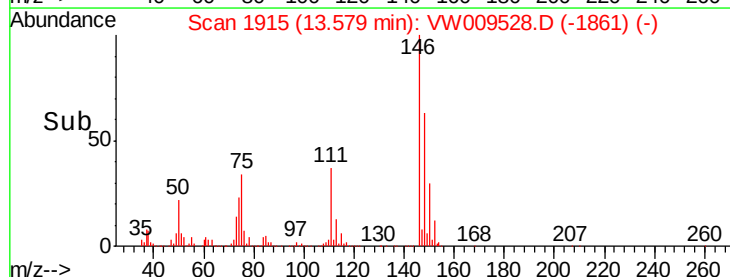
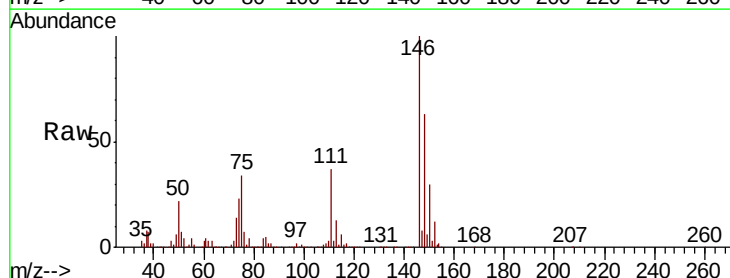
Tgt Ion:146 Resp: 291345

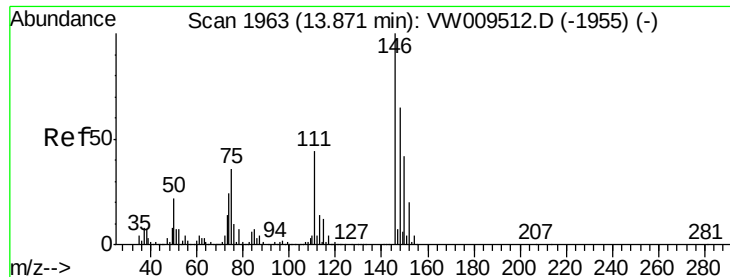
Ion Ratio Lower Upper

146 100

111 36.8 27.8 51.6

148 62.7 46.3 86.1





#65

1,2-Dichlorobenzene

Concen: 27.959 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW009528.D

Acq: 28 Mar 2019 04:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

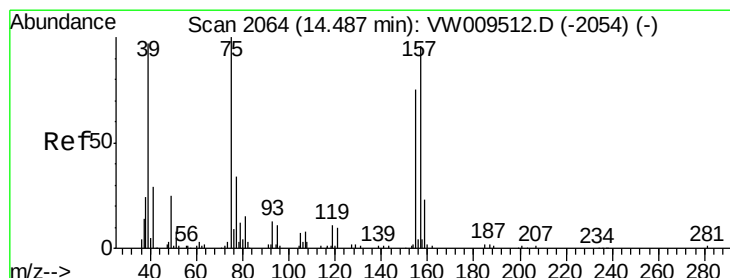
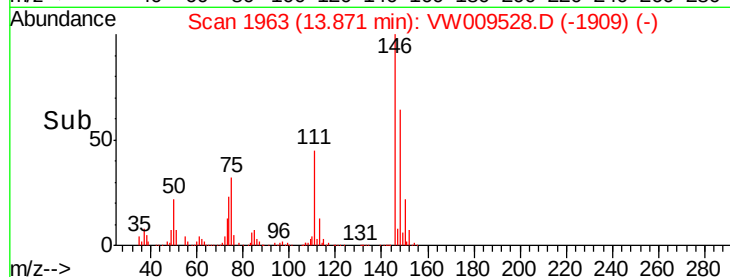
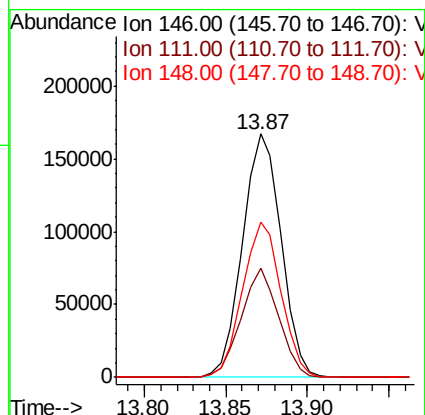
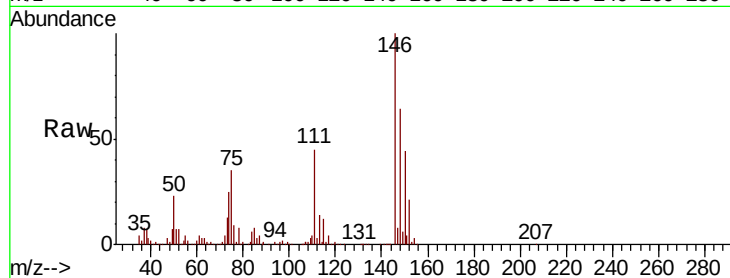
Tot Ion:146 Resp: 275869

Ion Ratio Lower Upper

146 100

111 44.8 33.5 50.3

148 63.7 50.2 75.2



#66

1,2-Dibromo-3-chloropropane

Concen: 31.260 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW009528.D

Acq: 28 Mar 2019 04:39

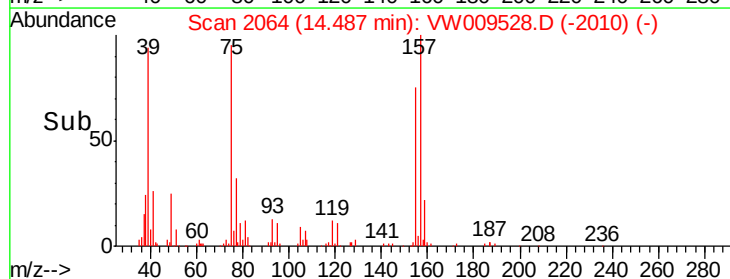
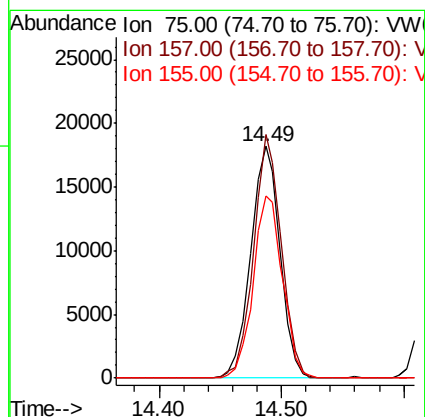
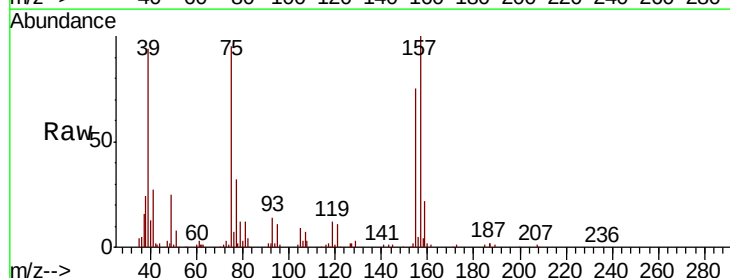
Tgt Ion: 75 Resp: 30229

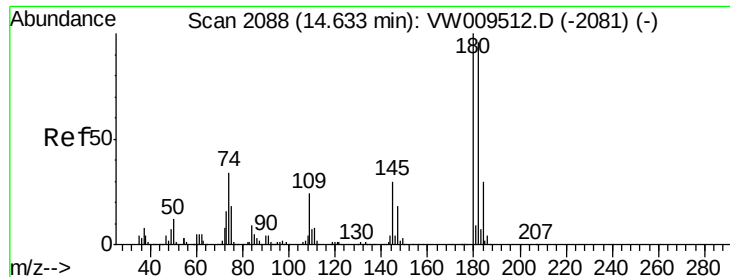
Ion Ratio Lower Upper

75 100

157 105.1 89.0 133.4

155 78.9 64.2 96.2

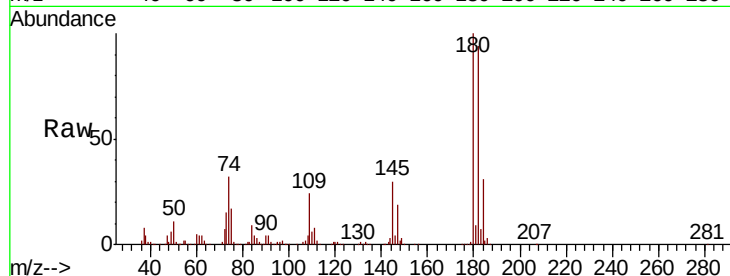




#67
 1,3,5-Trichlorobenzene
 Concen: 25.310 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW009528.D
 Acq: 28 Mar 2019 04:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.1	114.1
184	30.5	23.8	35.6
145	30.5	23.4	35.2



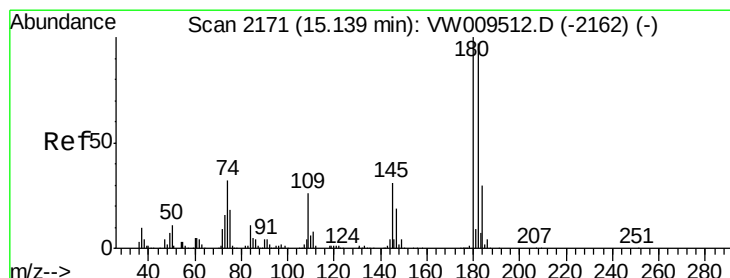
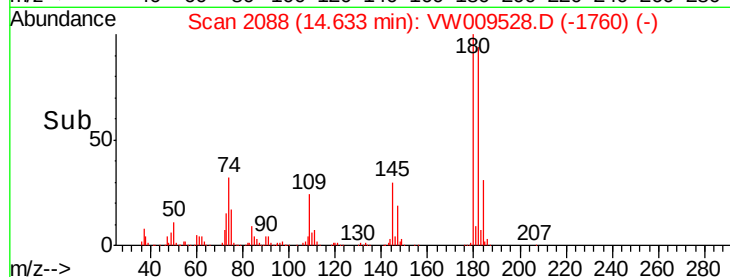
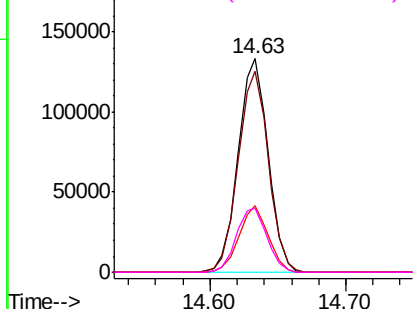
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

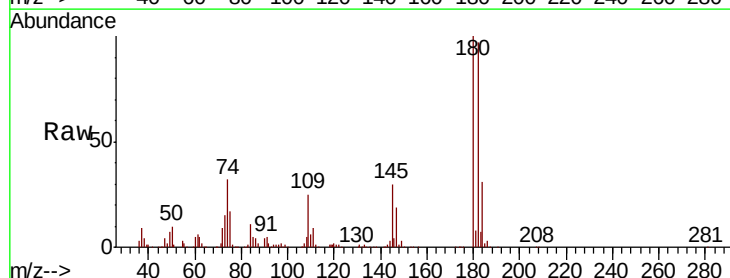
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.468 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW009528.D
 Acq: 28 Mar 2019 04:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	75.5	113.3
145	30.7	24.1	36.1

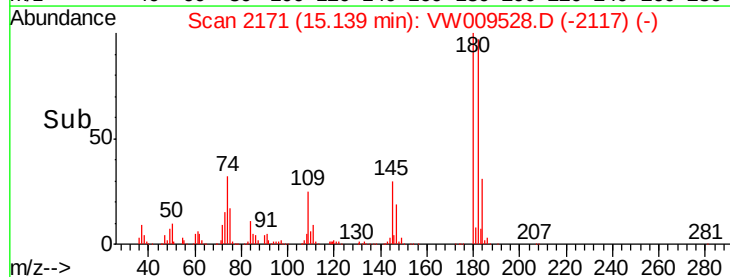
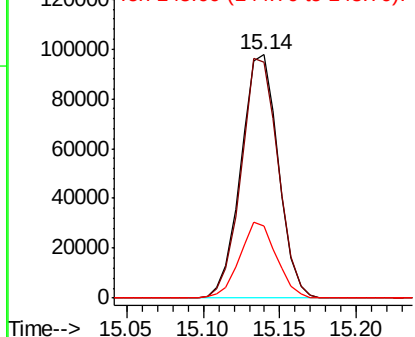


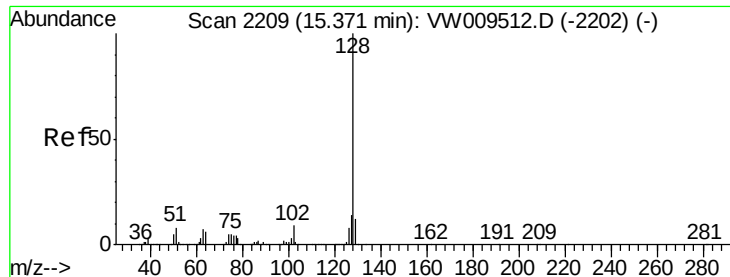
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 29.299 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW009528.D

Acq: 28 Mar 2019 04:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

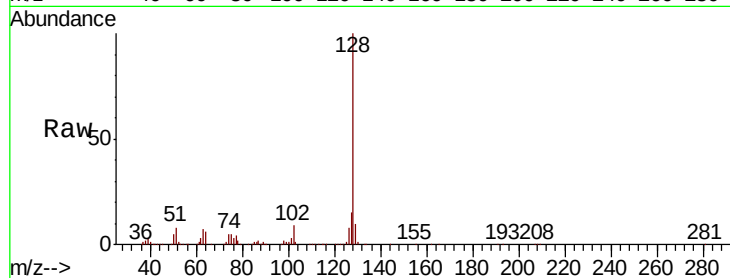
Tot Ion:128 Resp: 411757

Ion Ratio Lower Upper

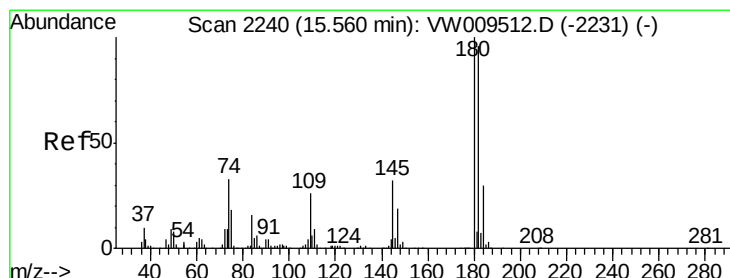
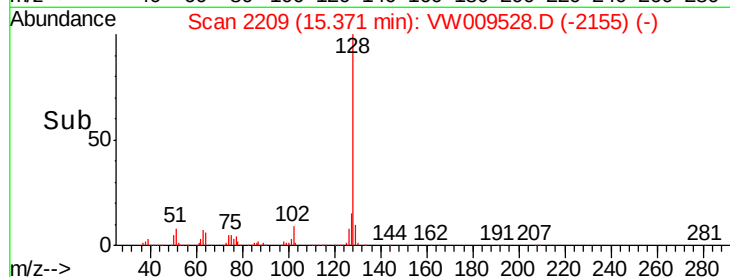
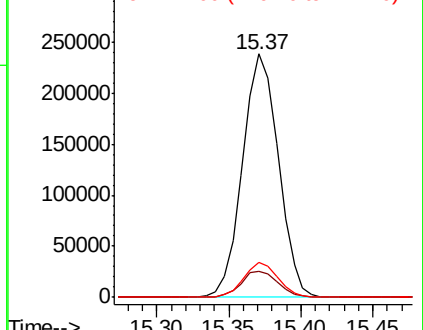
128 100

129 10.9 8.7 13.1

127 13.8 11.1 16.7



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: 27.252 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW009528.D

Acq: 28 Mar 2019 04:39

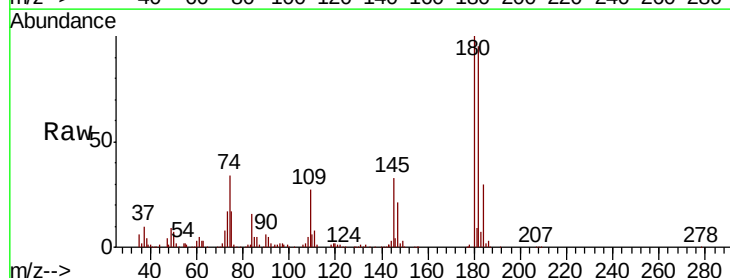
Tgt Ion:180 Resp: 173024

Ion Ratio Lower Upper

180 100

182 94.1 77.2 115.8

145 32.5 25.8 38.6



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

