

Data File : VW010293.D
Acq On : 07 May 2019 11:18
Operator : SY/VA
Sample : VSTD02509
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02506

Quant Time: May 08 01:52:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM050719S.M
Quant Title : VOC Analysis
QLast Update : Wed May 08 01:48:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	539062	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	504656	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	245959	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	149364	23.80	ug/L	0.00
7) Chloroethane-d5	2.89	69	123288	23.34	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	366033	23.41	ug/L	0.00
20) 2-Butanone-d5	7.08	46	135896	46.73	ug/L	0.00
24) Chloroform-d	7.64	84	333335	23.22	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	198680	23.37	ug/L	0.00
29) Benzene-d6	8.27	84	637904	23.27	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	194280	23.19	ug/L	0.00
37) Toluene-d8	10.32	98	578806	23.68	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	89699	23.41	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	108337	50.59	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	187896	23.58	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	192802	22.97	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	175022	23.538	ug/L	100
3) Chloromethane	2.21	50	166067	23.906	ug/L	100
5) Vinyl chloride	2.37	62	204852	25.193	ug/L	100
6) Bromomethane	2.78	94	120349	24.485	ug/L	100
8) Chloroethane	2.92	64	122487	24.841	ug/L	100
9) Trichlorofluoromethane	3.25	101	126024	24.012	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	183415	24.632	ug/L	100
12) 1,1-Dichloroethene	4.03	96	180625	24.682	ug/L	100
13) Acetone	4.12	43	119714	48.112	ug/L	100
14) Carbon disulfide	4.37	76	561272	25.061	ug/L	100
15) Methyl Acetate	4.67	43	129625	24.275	ug/L	100
16) Methylene chloride	4.92	84	180495	24.114	ug/L	100
17) Methyl tert-butyl Ether	5.42	73	240339	25.057	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	188336	24.948	ug/L	100
19) 1,1-Dichloroethane	6.21	63	354071	24.469	ug/L	100
21) 2-Butanone	7.17	43	182858	51.372	ug/L	100
22) cis-1,2-Dichloroethene	7.16	96	193863	24.869	ug/L	100
23) Bromochloromethane	7.51	128	86296	24.674	ug/L	100
25) Chloroform	7.67	83	351503	24.598	ug/L	100
27) 1,2-Dichloroethane	8.40	62	262409	25.021	ug/L	100
30) Cyclohexane	7.95	56	340102	26.064	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	279040	24.280	ug/L	100
32) Carbon tetrachloride	8.07	117	281135	24.613	ug/L	100
34) Benzene	8.32	78	782805	25.272	ug/L	100
35) Trichloroethene	9.09	95	201005	24.560	ug/L	100
36) Methylcyclohexane	9.34	83	361194	26.128	ug/L	100
40) 1,2-Dichloropropane	9.37	63	194517	24.609	ug/L	100
41) Bromodichloromethane	9.64	83	254381	24.870	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	301374	25.480	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	365129	51.853	ug/L	100

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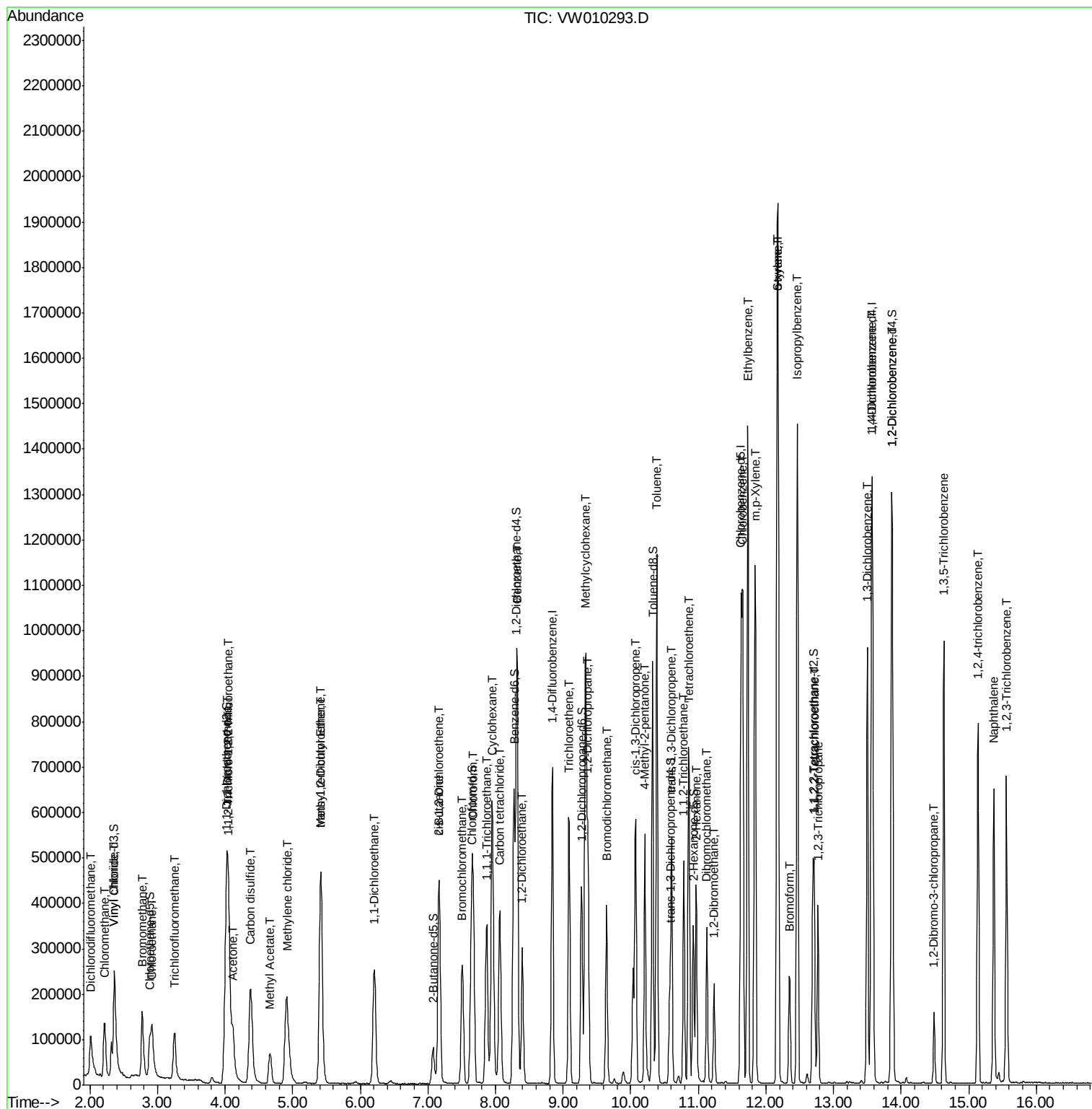
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	836121	25.774	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	264740	25.958	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	145085	24.575	ug/L	100
47) Tetrachloroethene	10.86	164	154529	24.972	ug/L	100
49) 2-Hexanone	10.97	43	278372	52.129	ug/L	100
50) Dibromochloromethane	11.13	129	170132	25.052	ug/L	100
51) 1,2-Dibromoethane	11.24	107	143238	24.631	ug/L	100
52) Chlorobenzene	11.66	112	502776	24.809	ug/L	100
53) Ethylbenzene	11.73	91	936290	25.858	ug/L	100
54) m,p-Xylene	11.84	106	345871	26.257	ug/L	100
55) o-xylene	12.17	106	318216	25.950	ug/L	100
56) Styrene	12.18	104	566484	26.771	ug/L	100
57) Isopropylbenzene	12.46	105	903142	26.799	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	201616	24.848	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	154193	24.755	ug/L	100
62) Bromoform	12.35	173	102356	24.197	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	368157	25.140	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	389513	24.559	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	352068	24.987	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	40018	23.834	ug/L	100
67) 1,3,5-Trichlorobenzene	14.63	180	276853	25.239	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	223815	25.782	ug/L	100
69) Naphthalene	15.37	128	526359	26.885	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	217713	26.108	ug/L	100

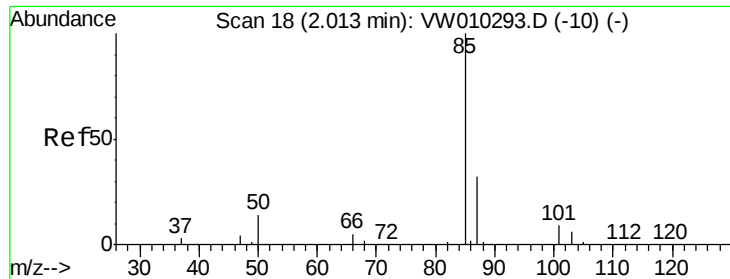
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.538 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010293.D

Acq: 07 May 2019 11:18

Instrument :

MSVOA_W

ClientSampleId :

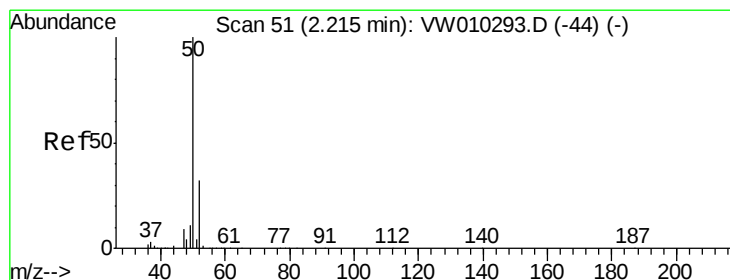
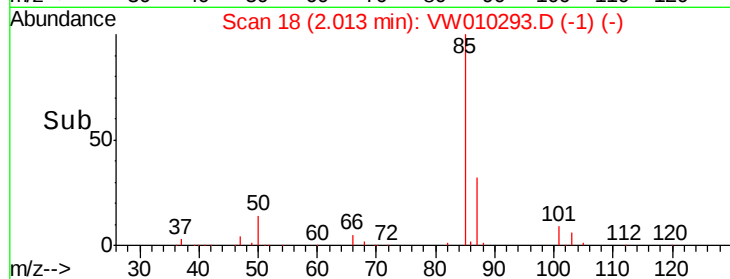
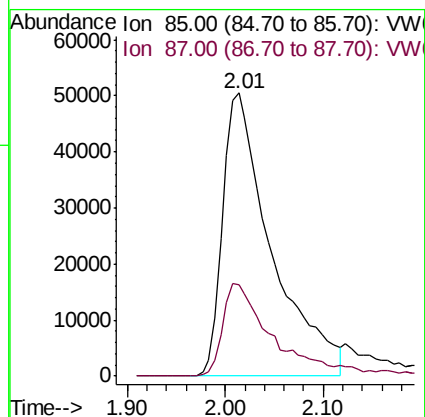
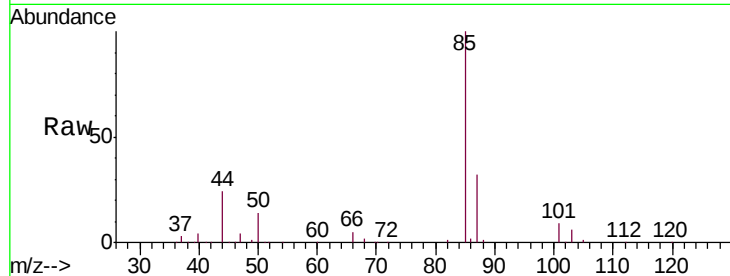
VSTD02506

Tgt Ion: 85 Resp: 175022

Ion Ratio Lower Upper

85 100

87 26.7 18.7 34.7



#3

Chloromethane

Concen: 23.906 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW010293.D

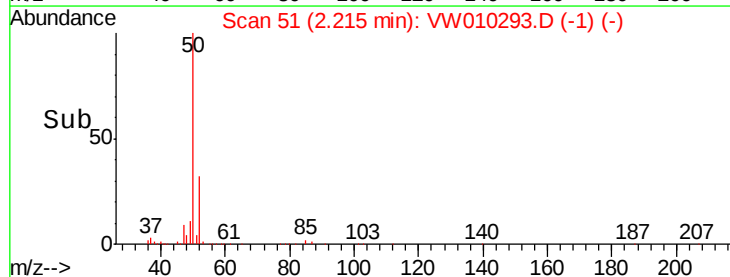
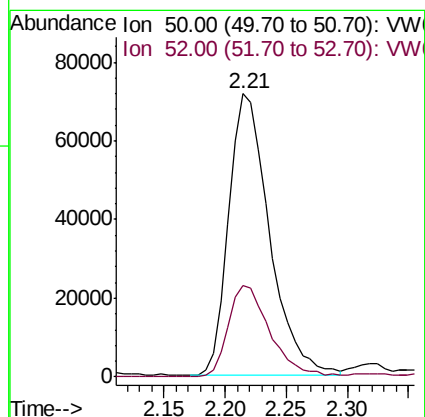
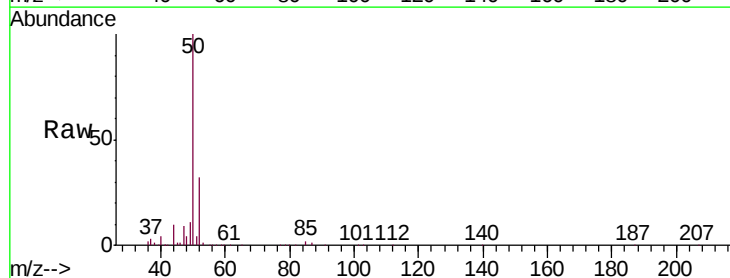
Acq: 07 May 2019 11:18

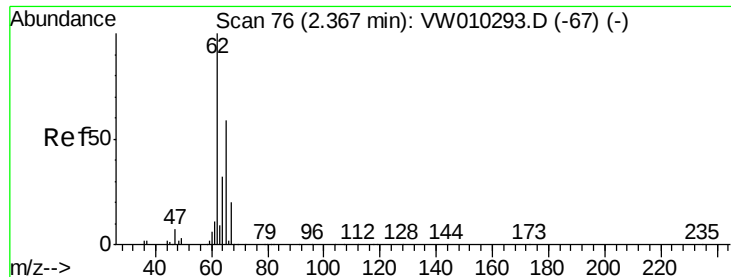
Tgt Ion: 50 Resp: 166067

Ion Ratio Lower Upper

50 100

52 32.2 22.5 41.9





#5

Vinyl chloride

Concen: 25.193 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW010293.D

Acq: 07 May 2019 11:18

Instrument :

MSVOA_W

ClientSampleId :

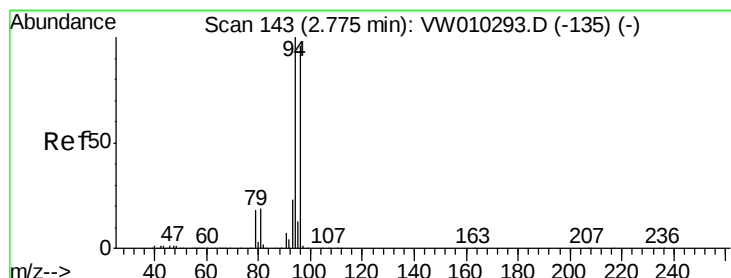
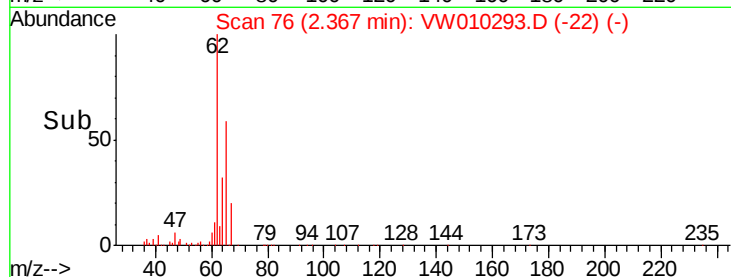
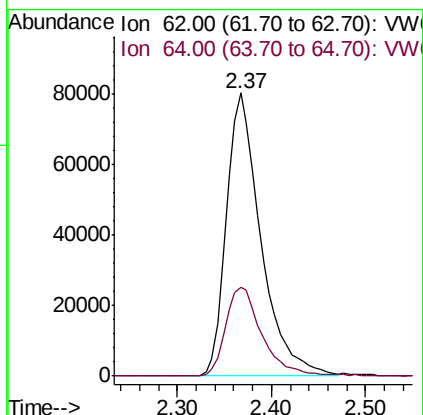
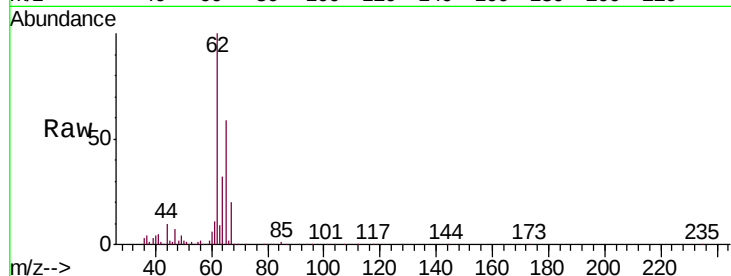
VSTD02506

Tgt Ion: 62 Resp: 204852

Ion Ratio Lower Upper

62 100

64 31.6 22.1 41.1



#6

Bromomethane

Concen: 24.485 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW010293.D

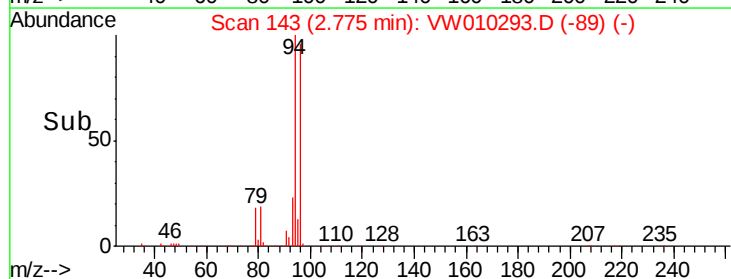
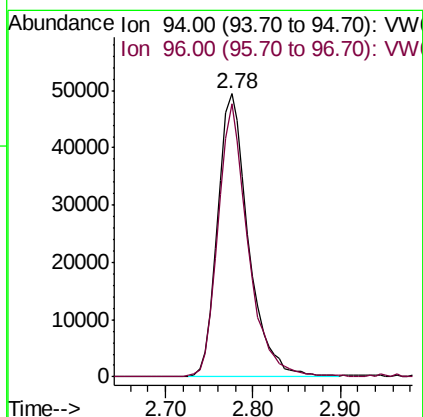
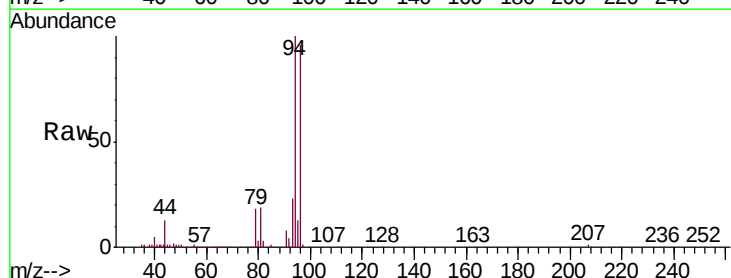
Acq: 07 May 2019 11:18

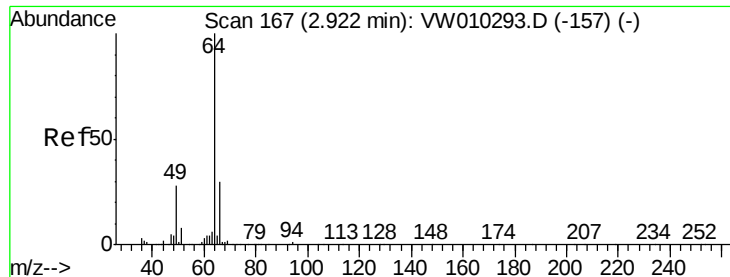
Tgt Ion: 94 Resp: 120349

Ion Ratio Lower Upper

94 100

96 93.2 9.3 177.1

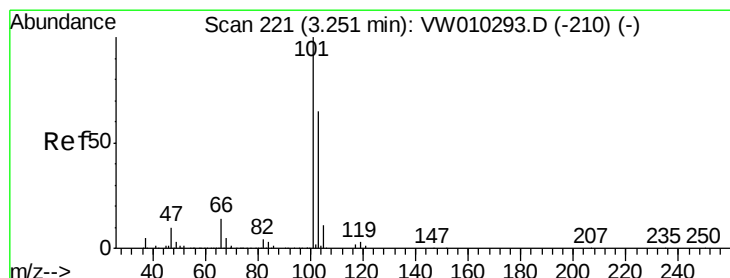
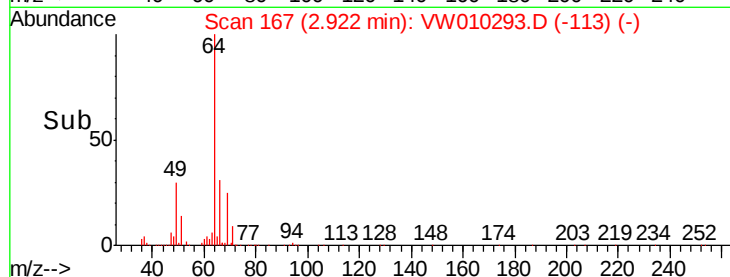
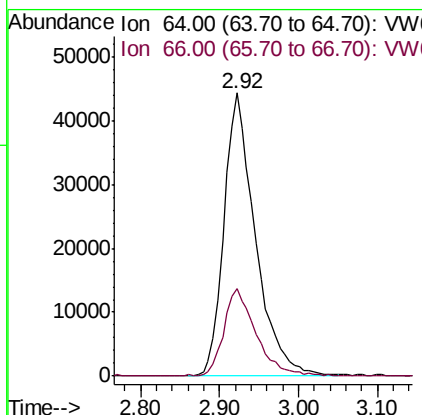
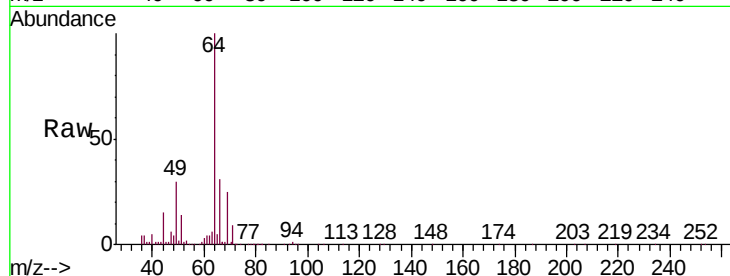




#8
Chloroethane
Concen: 24.841 ug/L
RT: 2.92 min Scan# 167
Delta R.T. 0.00 min
Lab File: VW010293.D
Acq: 07 May 2019 11:18

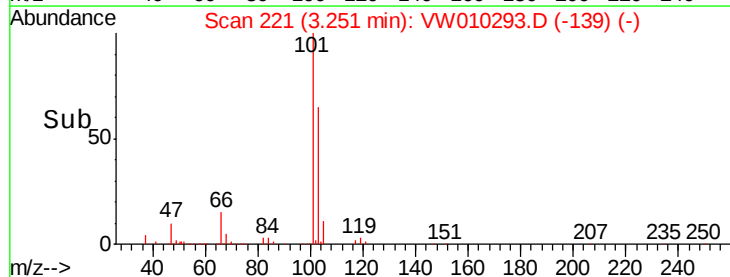
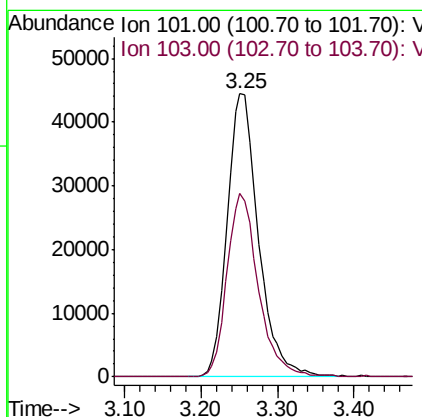
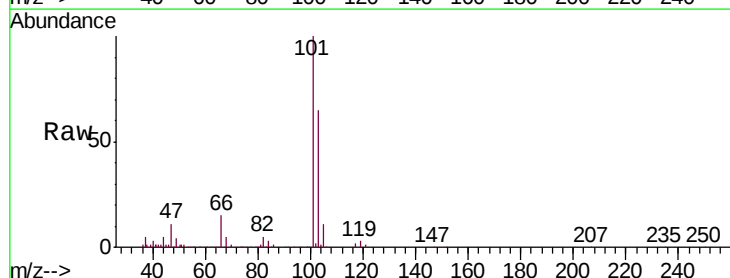
Instrument :
MSVOA_W
ClientSampleId :
VSTD02506

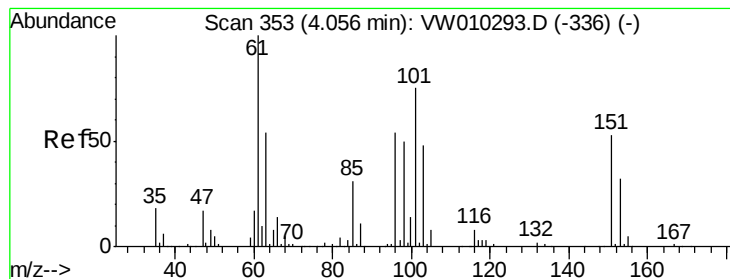
Tgt Ion: 64 Resp: 122487
Ion Ratio Lower Upper
64 100
66 30.7 21.5 39.9



#9
Trichlorofluoromethane
Concen: 24.012 ug/L
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW010293.D
Acq: 07 May 2019 11:18

Tgt Ion: 101 Resp: 126024
Ion Ratio Lower Upper
101 100
103 64.4 45.1 83.7





#11

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

Concen: 24.632 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW010293.D

Acq: 07 May 2019 11:18

Instrument :

MSVOA_W

ClientSampled :

VSTD02506

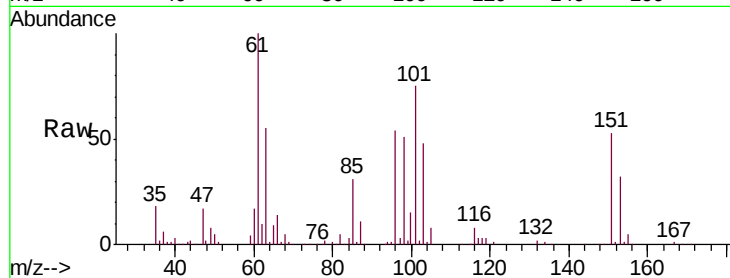
Tgt Ion:101 Resp: 183415

Ion Ratio Lower Upper

101 100

85 42.1 33.7 50.5

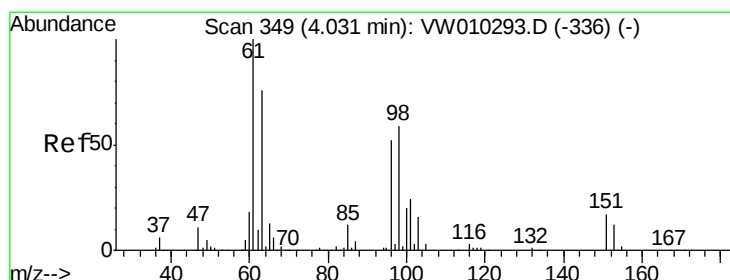
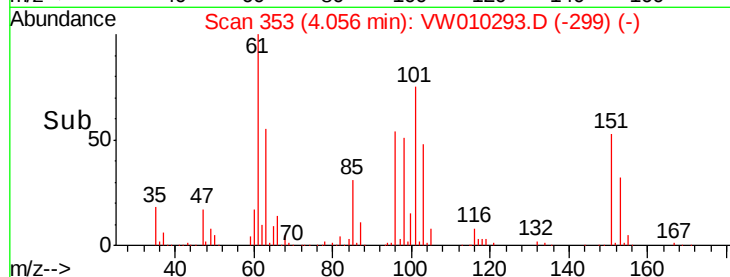
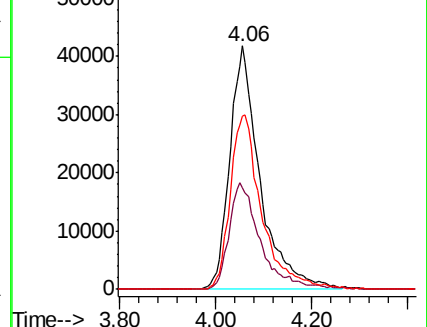
151 73.4 58.7 88.1



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: 24.682 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW010293.D

Acq: 07 May 2019 11:18

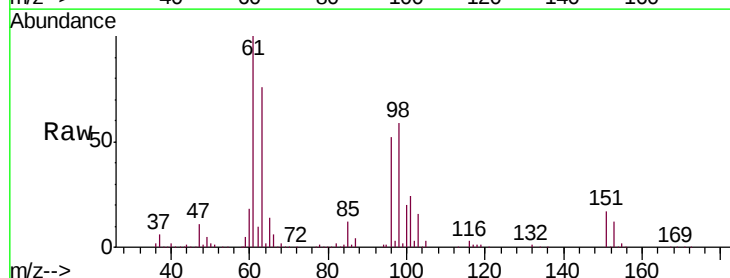
Tgt Ion: 96 Resp: 180625

Ion Ratio Lower Upper

96 100

61 193.0 135.1 250.9

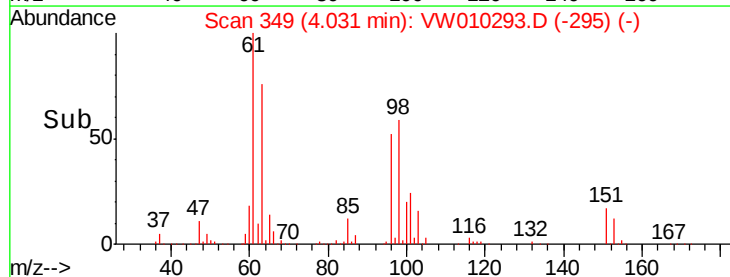
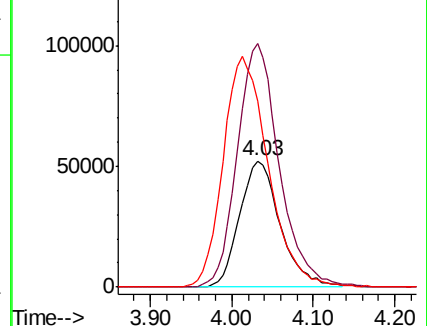
63 147.3 103.1 191.5

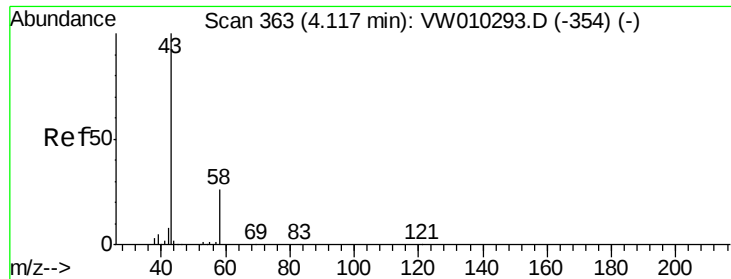


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 48.112 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

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ClientSampled :

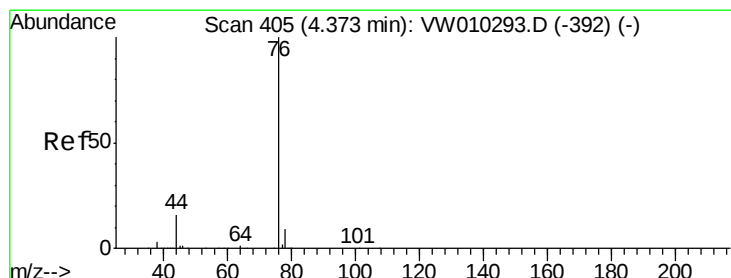
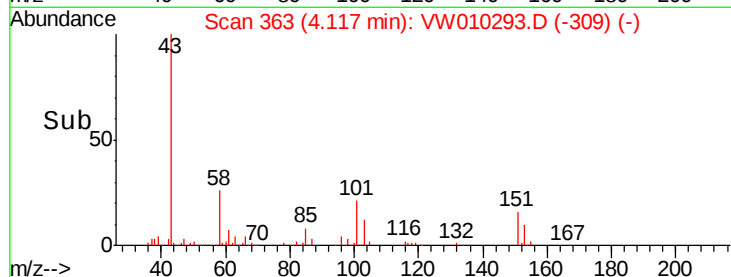
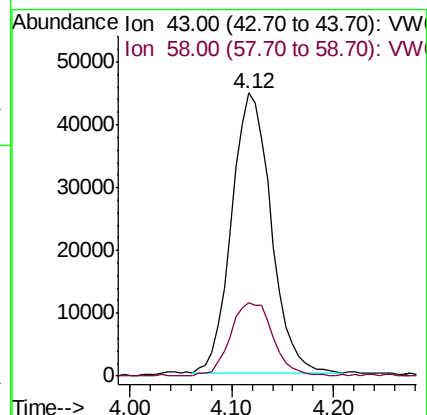
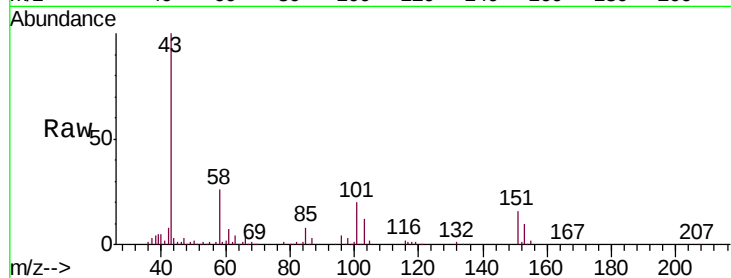
VSTD02506

Tgt Ion: 43 Resp: 119714

Ion Ratio Lower Upper

43 100

58 27.6 0.0 55.2



#14

Carbon disulfide

Concen: 25.061 ug/L

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW010293.D

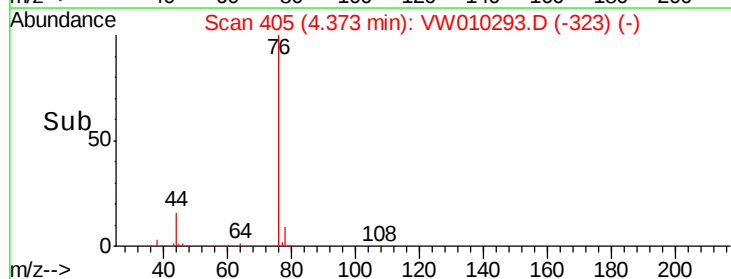
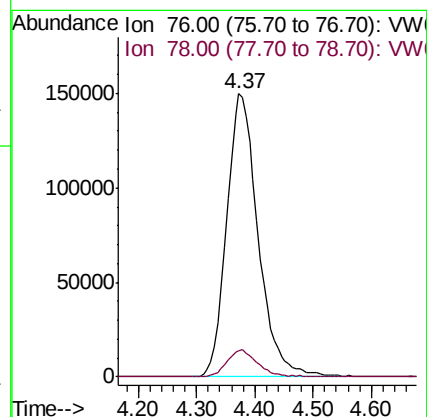
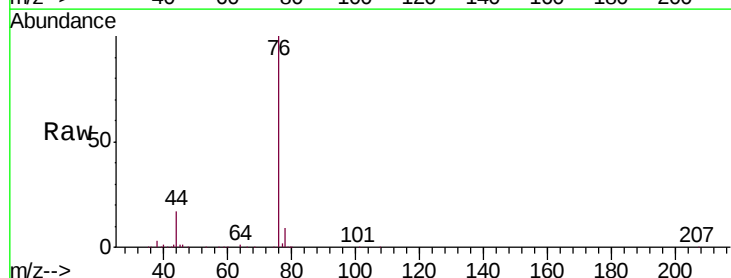
Acq: 07 May 2019 11:18

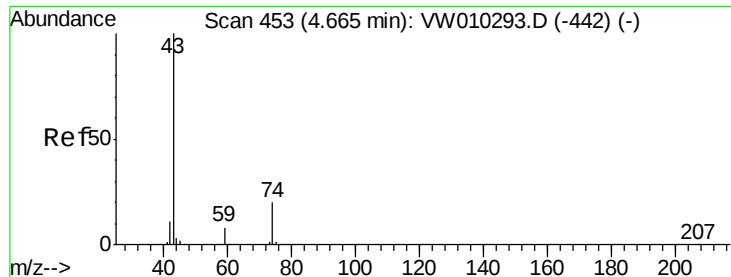
Tgt Ion: 76 Resp: 561272

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3





#15

Methyl Acetate

Concen: 24.275 ug/L

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

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Acq: 07 May 2019 11:18

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ClientSampled :

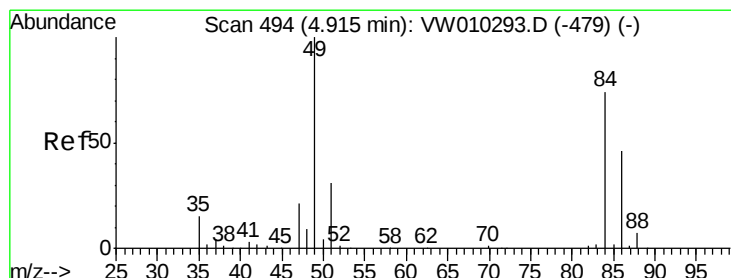
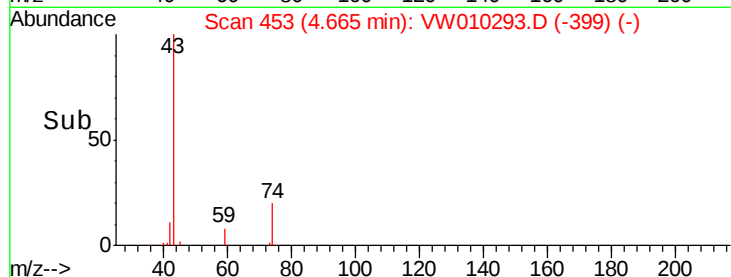
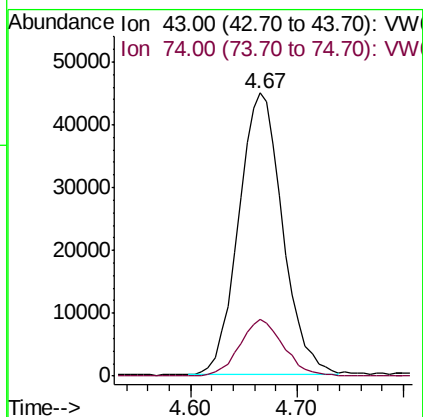
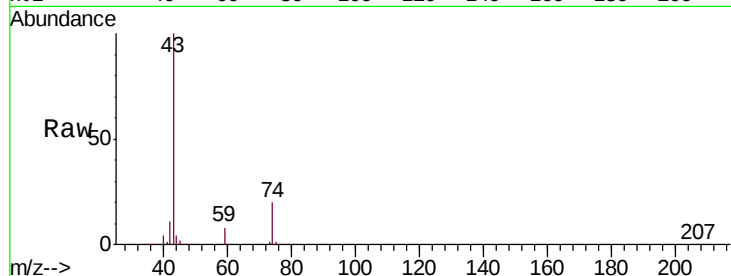
VSTD02506

Tgt Ion: 43 Resp: 129625

Ion Ratio Lower Upper

43 100

74 20.1 16.1 24.1



#16

Methylene chloride

Concen: 24.114 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW010293.D

Acq: 07 May 2019 11:18

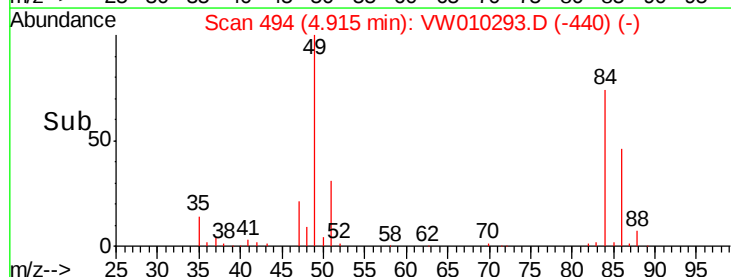
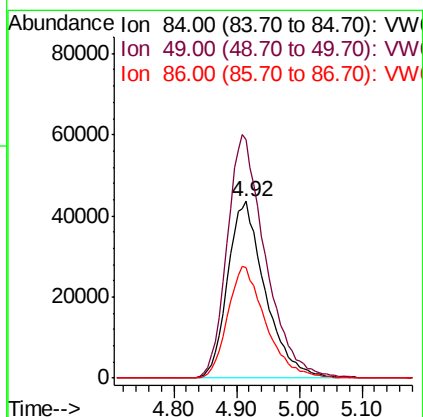
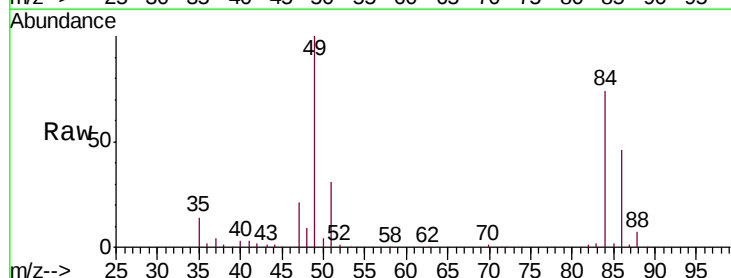
Tgt Ion: 84 Resp: 180495

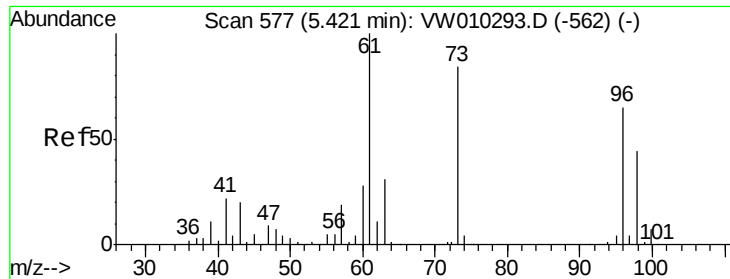
Ion Ratio Lower Upper

84 100

49 134.9 94.4 175.4

86 62.6 43.8 81.4

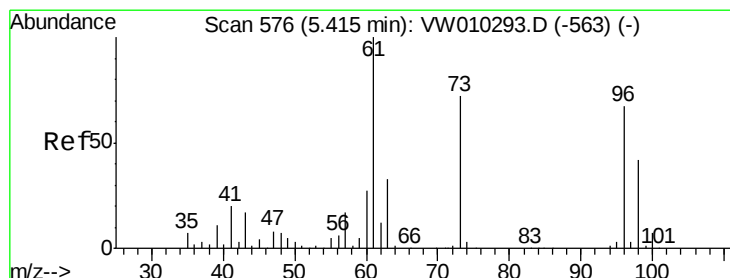
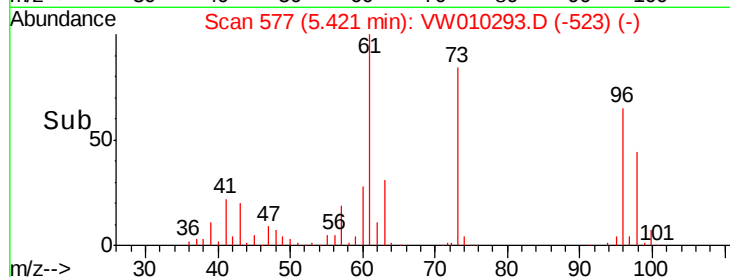
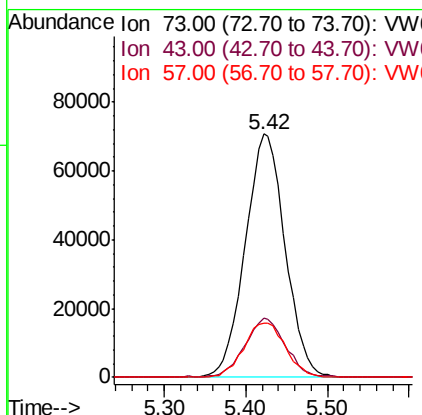
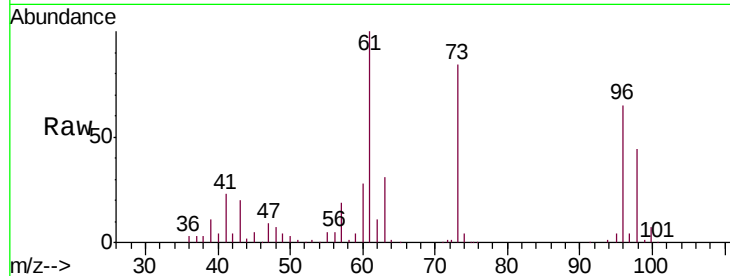




#17
Methyl tert-butyl Ether
Concen: 25.057 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010293.D
Acq: 07 May 2019 11:18

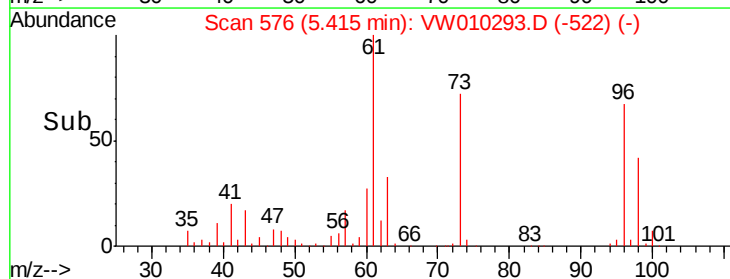
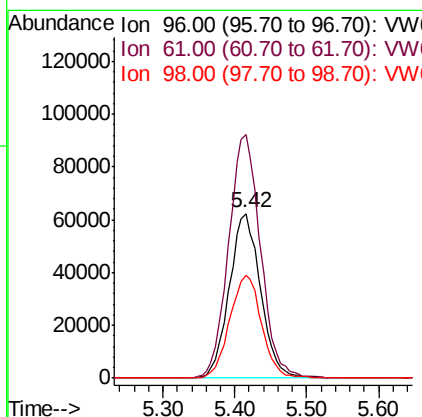
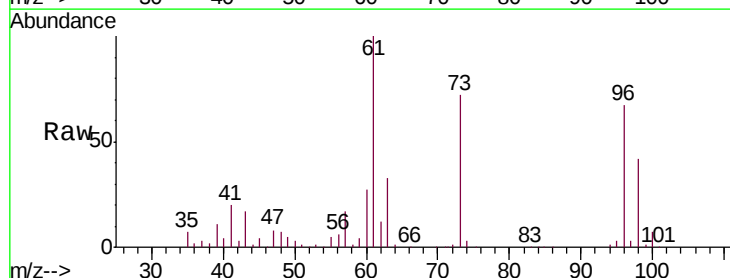
Instrument :
MSVOA_W
ClientSampleId :
VSTD02506

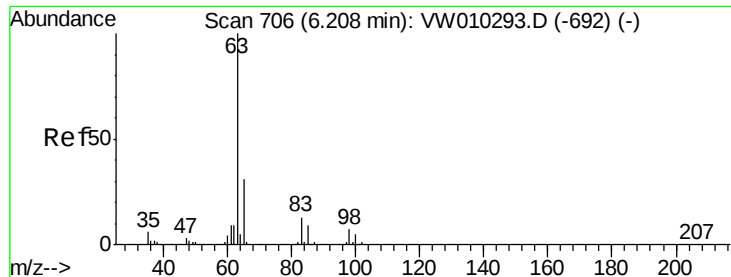
Tgt Ion: 73 Resp: 240339
Ion Ratio Lower Upper
73 100
43 24.4 19.5 29.3
57 23.6 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 24.948 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW010293.D
Acq: 07 May 2019 11:18

Tgt Ion: 96 Resp: 188336
Ion Ratio Lower Upper
96 100
61 148.2 103.7 192.7
98 62.3 43.6 81.0





#19

1,1-Dichloroethane

Concen: 24.469 ug/L

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW010293.D

Acq: 07 May 2019 11:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD02506

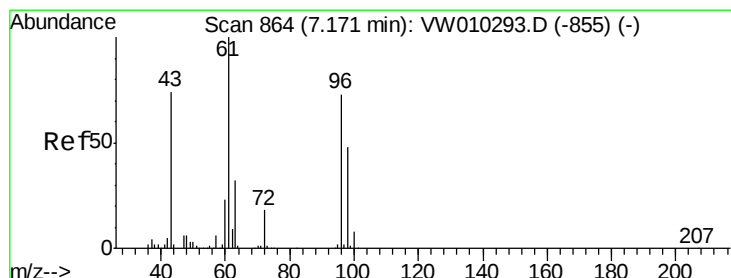
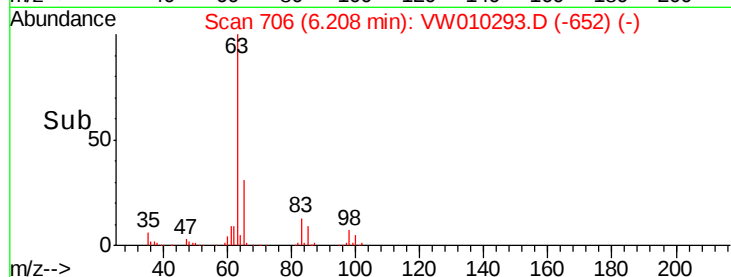
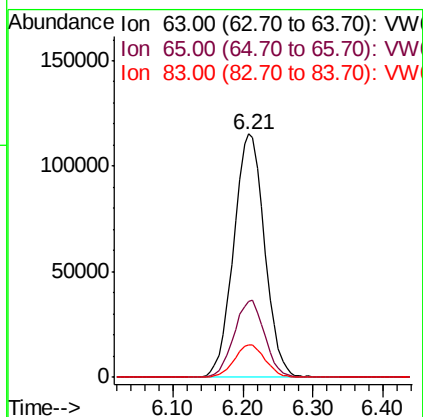
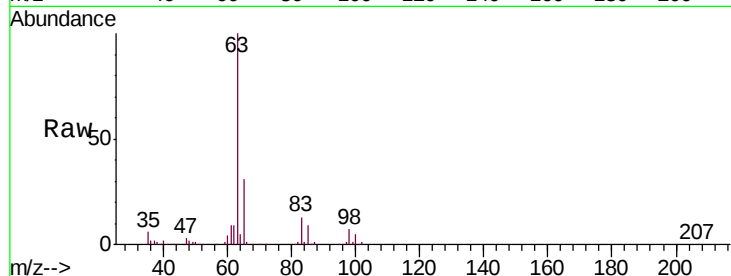
Tgt Ion: 63 Resp: 354071

Ion Ratio Lower Upper

63 100

65 31.1 21.8 40.4

83 13.2 9.2 17.2



#21

2-Butanone

Concen: 51.372 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010293.D

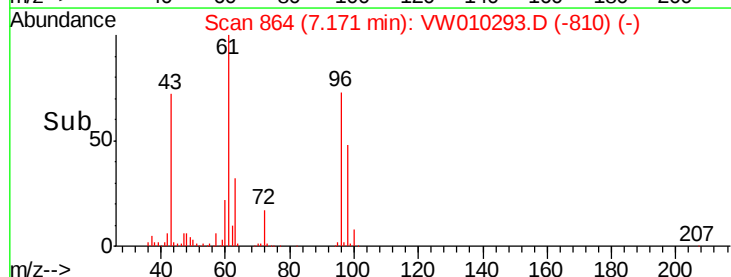
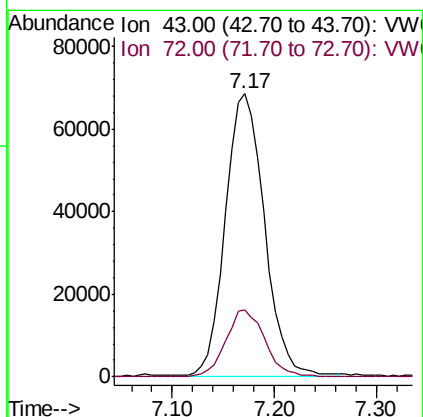
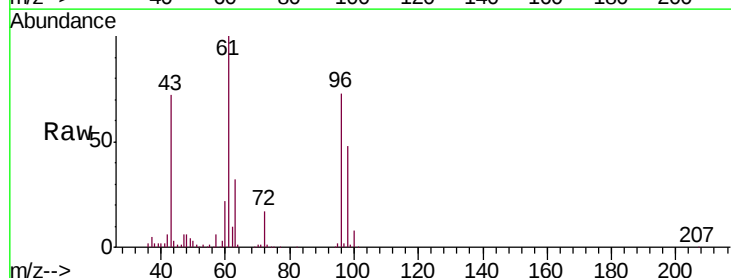
Acq: 07 May 2019 11:18

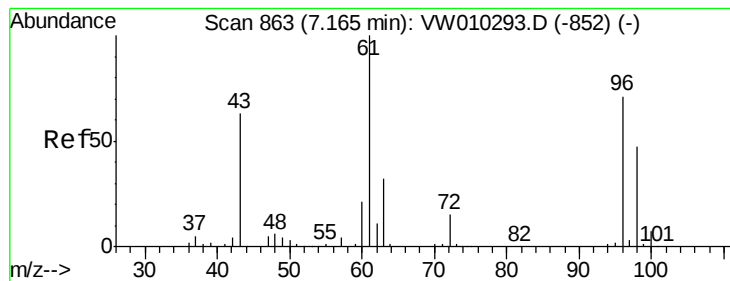
Tgt Ion: 43 Resp: 182858

Ion Ratio Lower Upper

43 100

72 23.4 11.7 35.1



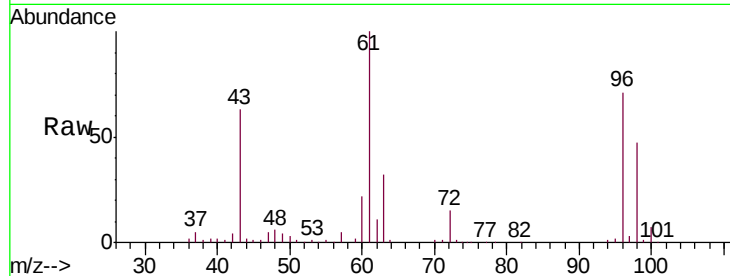


#22

cis-1,2-Dichloroethene
 Concen: 24.869 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW010293.D
 Acq: 07 May 2019 11:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02506

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.3	98.2	182.4
98	65.5	45.8	85.2

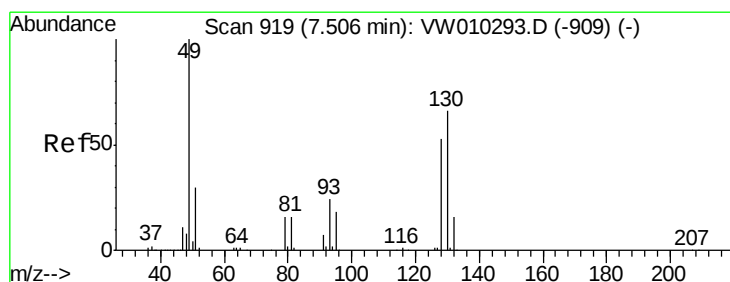
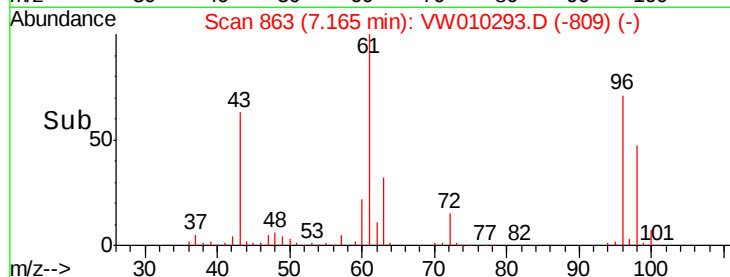
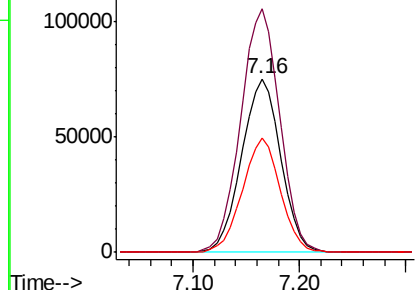


Abundance

Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW



#23

Bromochloromethane
 Concen: 24.674 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW010293.D
 Acq: 07 May 2019 11:18

Tgt Ion	Ratio	Lower	Upper
128	100		
49	189.3	132.5	246.1
130	123.9	86.7	161.1
51	57.4	45.9	68.9

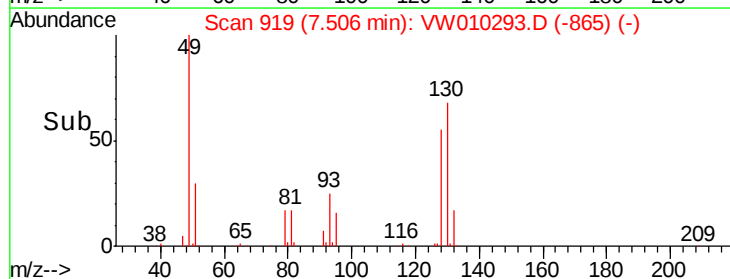
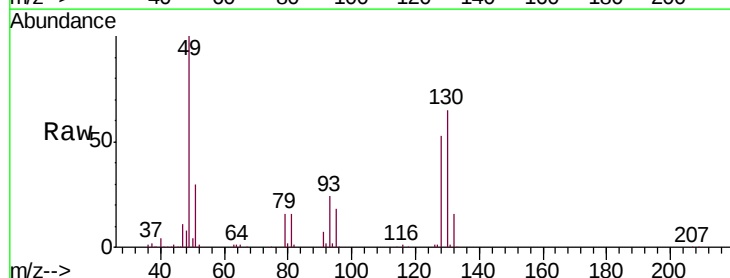
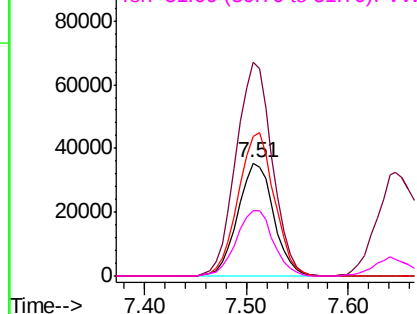
Abundance

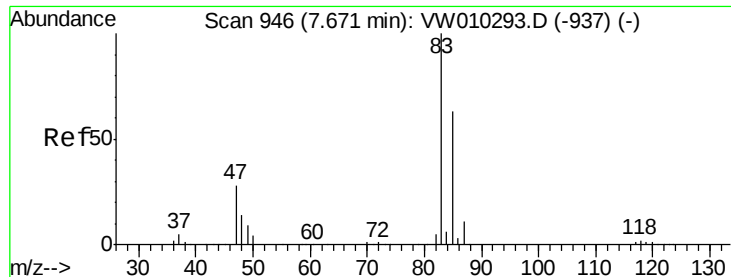
Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW

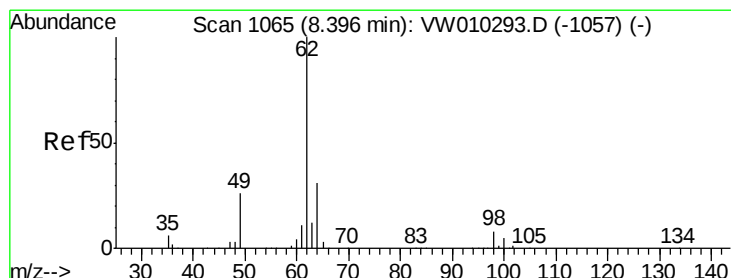
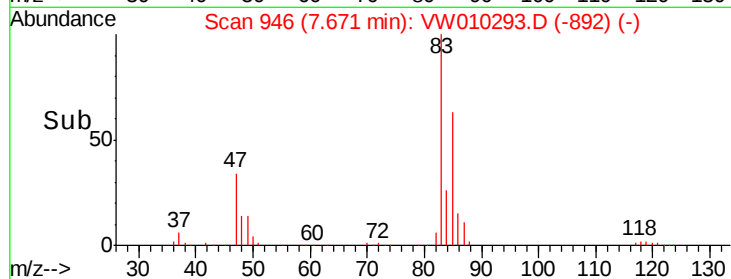
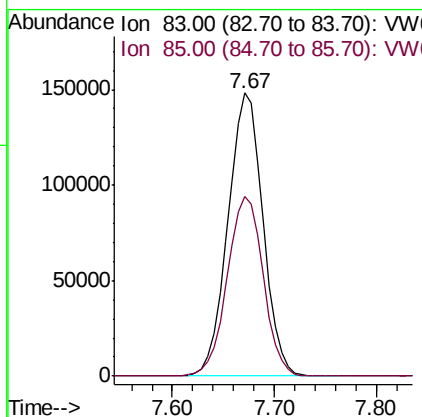
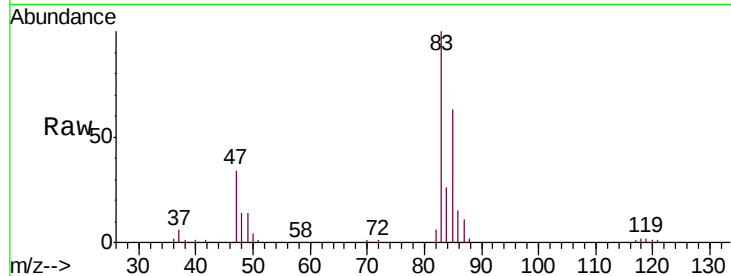




#25
Chloroform
Concen: 24.598 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW010293.D
Acq: 07 May 2019 11:18

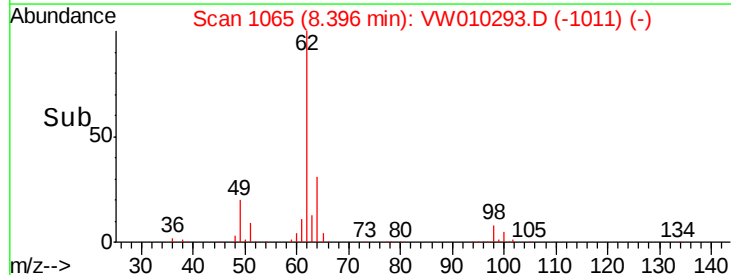
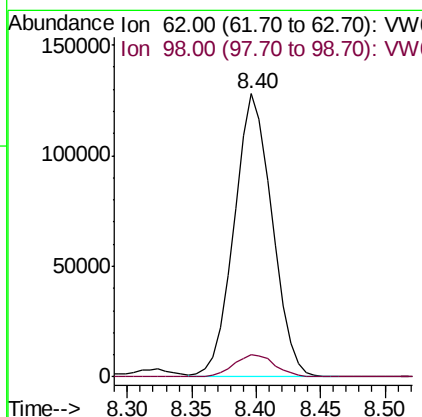
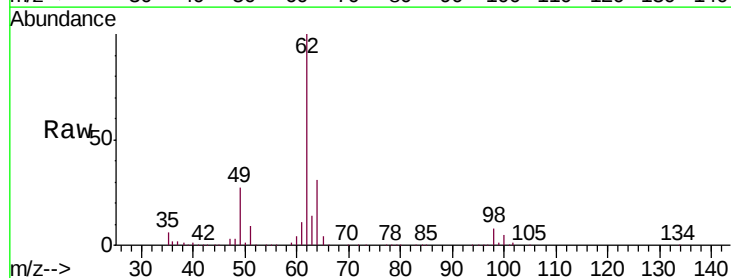
Instrument :
MSVOA_W
ClientSampleId :
VSTD02506

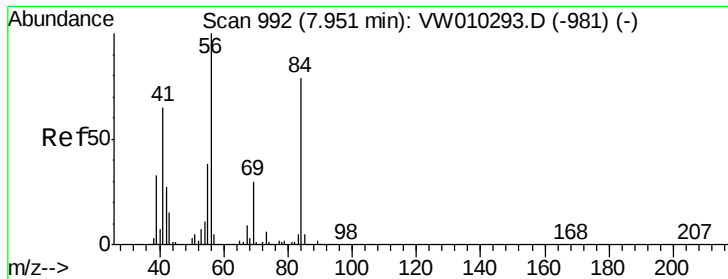
Tgt Ion: 83 Resp: 351503
Ion Ratio Lower Upper
83 100
85 65.4 45.8 85.0



#27
1,2-Dichloroethane
Concen: 25.021 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010293.D
Acq: 07 May 2019 11:18

Tgt Ion: 62 Resp: 262409
Ion Ratio Lower Upper
62 100
98 7.8 6.2 9.4

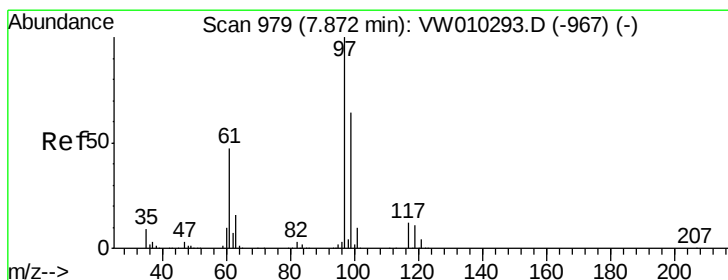
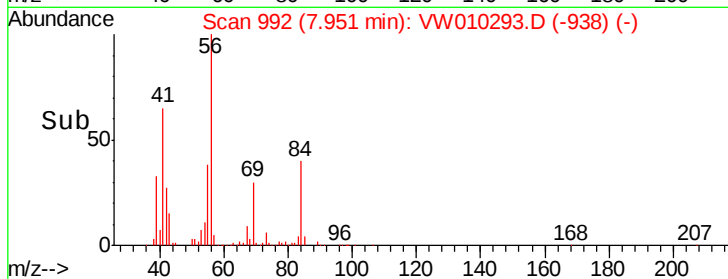
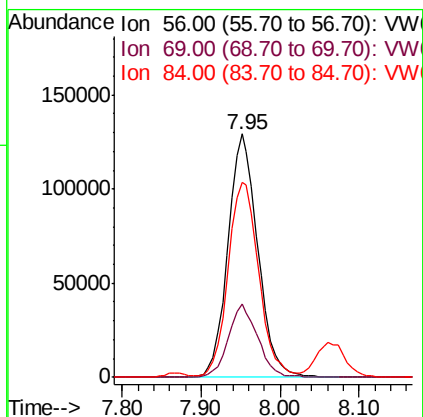
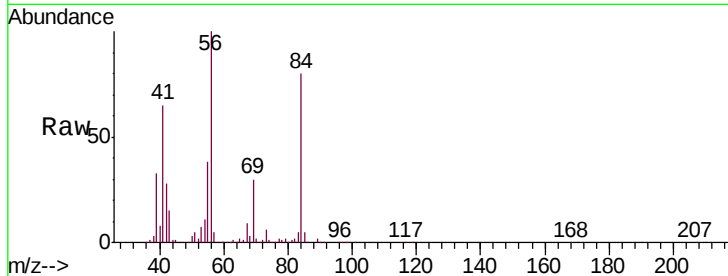




#30
Cyclohexane
Concen: 26.064 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010293.D
Acq: 07 May 2019 11:18

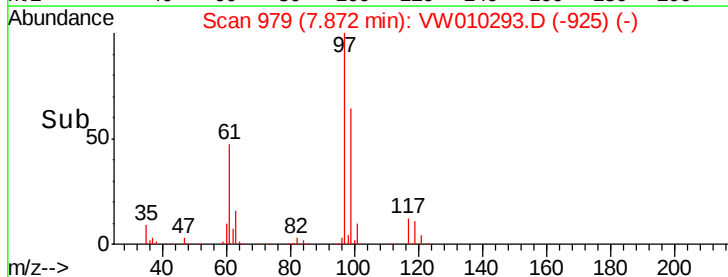
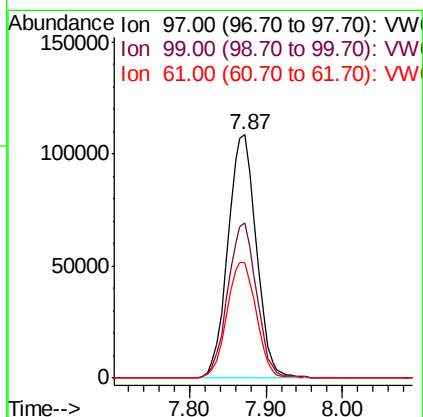
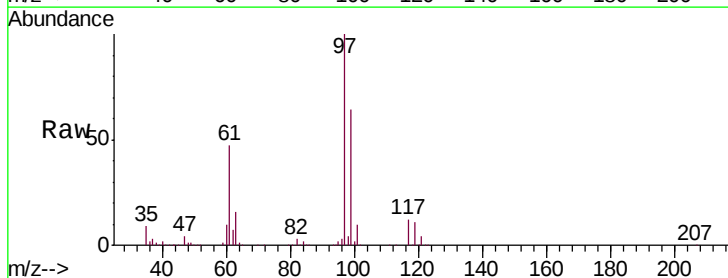
Instrument :
MSVOA_W
ClientSampled :
VSTD02506

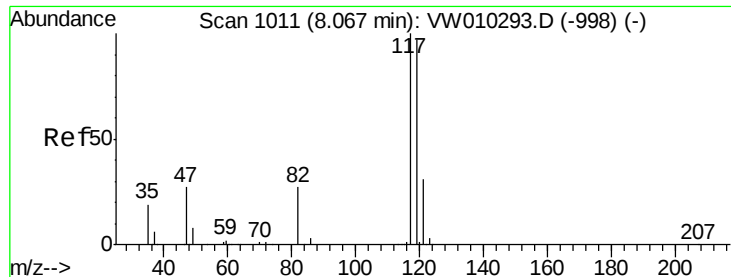
Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.6	35.4
84	82.3	65.8	98.8



#31
1,1,1-Trichloroethane
Concen: 24.280 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW010293.D
Acq: 07 May 2019 11:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.6
61	49.1	39.3	58.9





#32

Carbon tetrachloride

Concen: 24.613 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW010293.D

Acq: 07 May 2019 11:18

Instrument :

MSVOA_W

ClientSampleId :

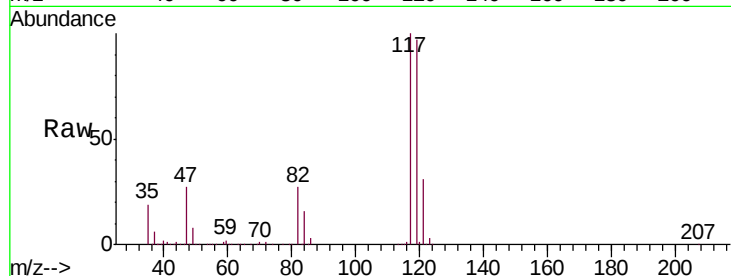
VSTD02506

Tgt Ion:117 Resp: 281135

Ion Ratio Lower Upper

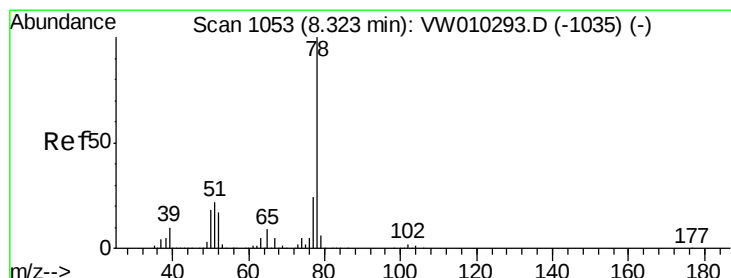
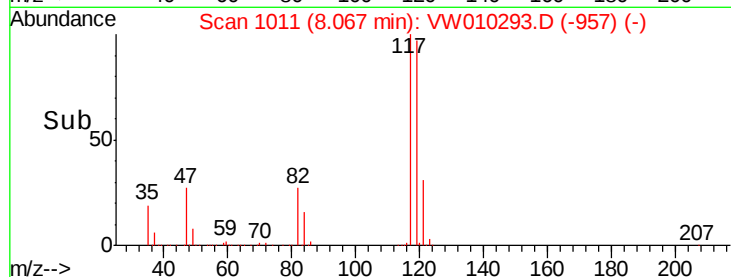
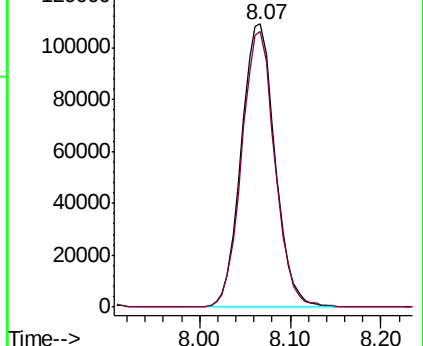
117 100

119 95.7 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.272 ug/L

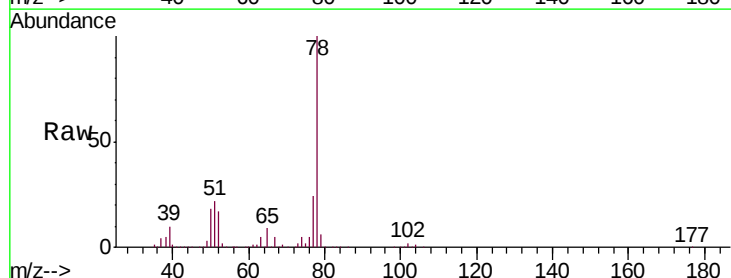
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

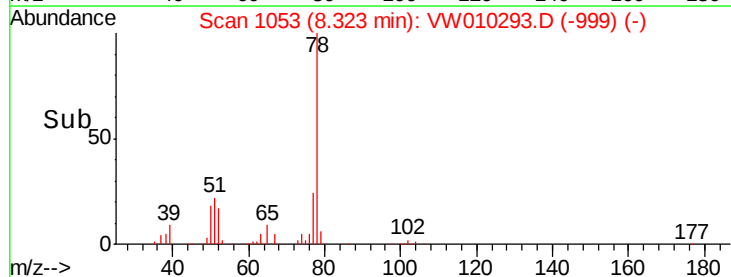
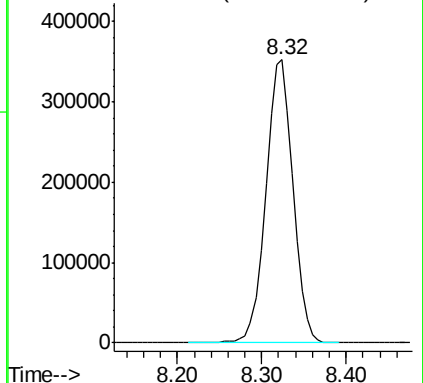
Lab File: VW010293.D

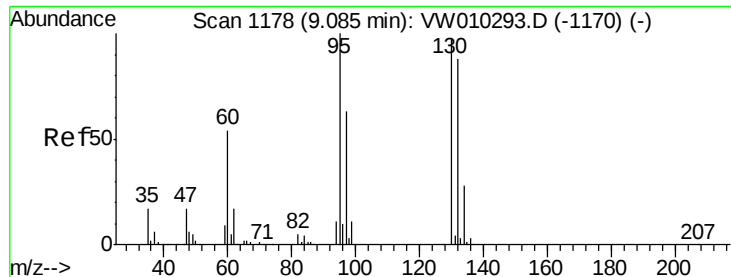
Acq: 07 May 2019 11:18

Tgt Ion: 78 Resp: 782805



Abundance Ion 78.00 (77.70 to 78.70): VW

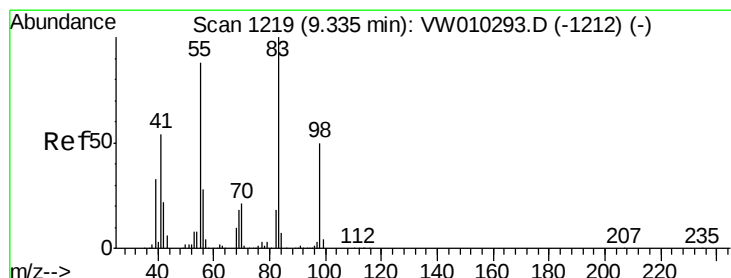
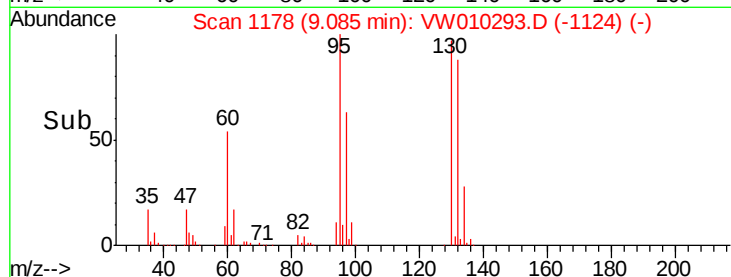
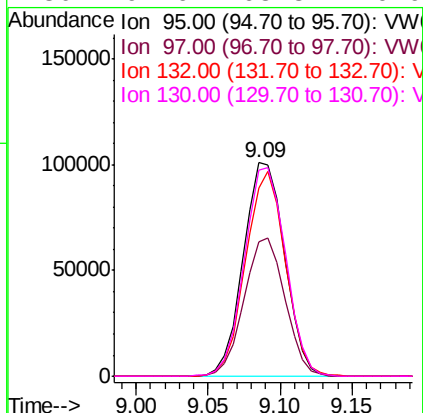
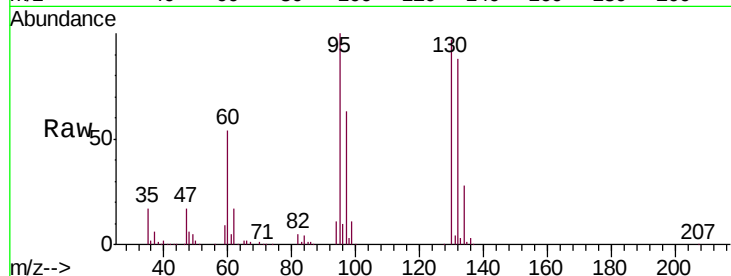




#35
 Trichloroethene
 Concen: 24.560 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VW010293.D
 Acq: 07 May 2019 11:18

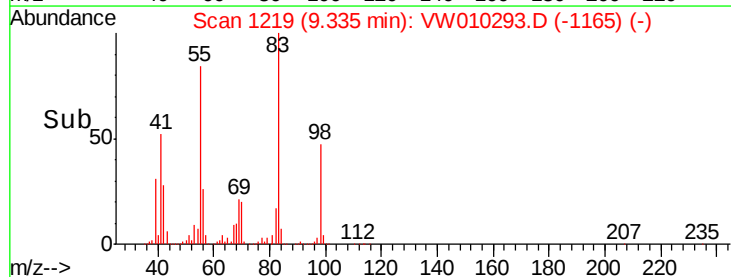
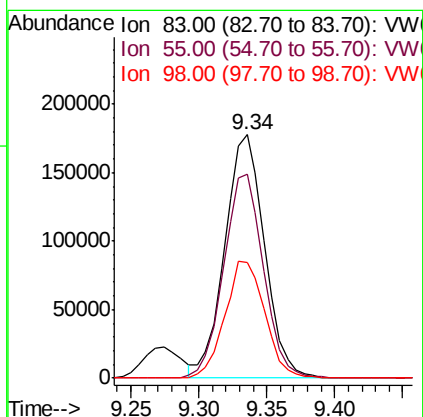
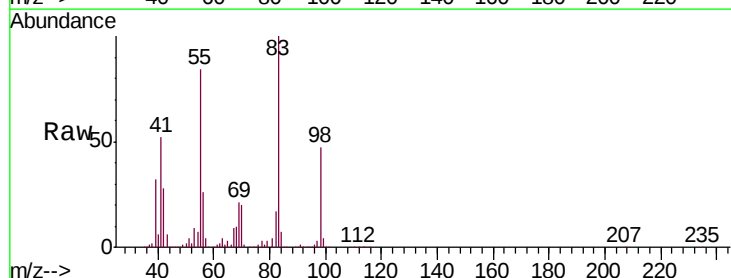
Instrument :
 MSVOA_W
 ClientSampleID :
 VSTD02506

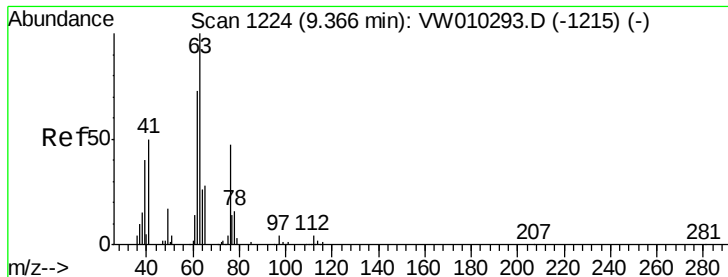
Tgt Ion:	95	Resp:	201005
Ion	Ratio	Lower	Upper
95	100		
97	64.0	44.8	83.2
132	92.4	64.7	120.1
130	97.6	68.3	126.9



#36
 Methylcyclohexane
 Concen: 26.128 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW010293.D
 Acq: 07 May 2019 11:18

Tgt Ion:	83	Resp:	361194
Ion	Ratio	Lower	Upper
83	100		
55	84.0	67.2	100.8
98	48.4	38.7	58.1





#40

1,2-Dichloropropane

Concen: 24.609 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW010293.D

Acq: 07 May 2019 11:18

Instrument :

MSVOA_W

ClientSampled :

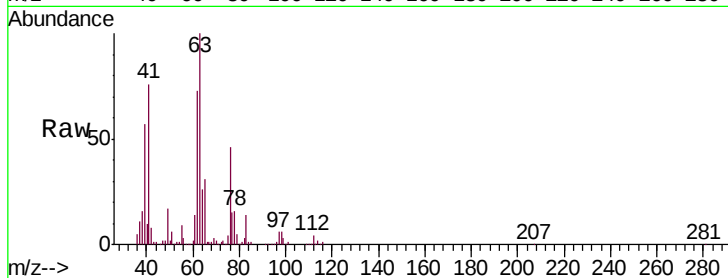
VSTD02506

Tgt Ion: 63 Resp: 194517

Ion Ratio Lower Upper

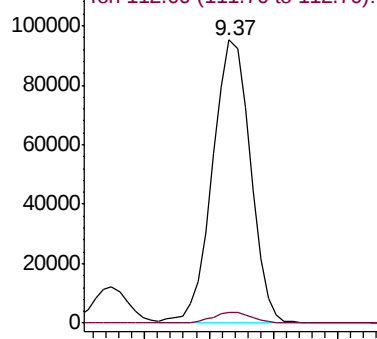
63 100

112 4.0 3.2 4.8

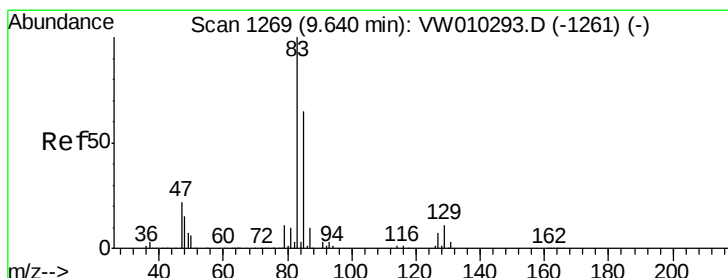
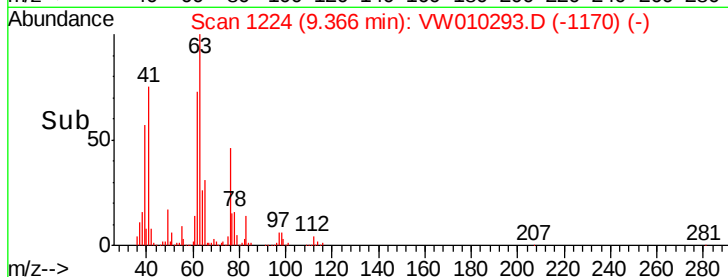


Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



Time-->



#41

Bromodichloromethane

Concen: 24.870 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW010293.D

Acq: 07 May 2019 11:18

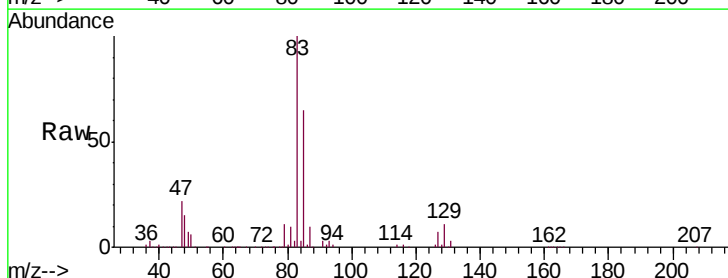
Tgt Ion: 83 Resp: 254381

Ion Ratio Lower Upper

83 100

85 65.0 45.5 84.5

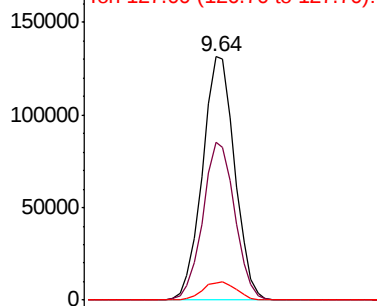
127 7.0 5.6 8.4



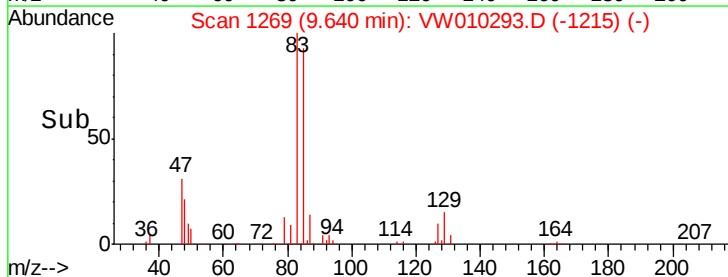
Abundance Ion 83.00 (82.70 to 83.70): VW

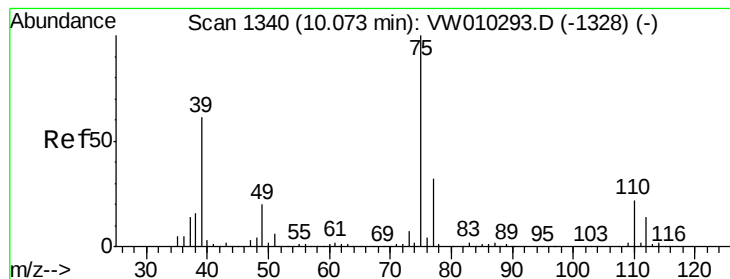
Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V



Time-->





#42

cis-1,3-Dichloropropene

Concen: 25.480 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010293.D

Acq: 07 May 2019 11:18

Instrument :

MSVOA_W

ClientSampleId :

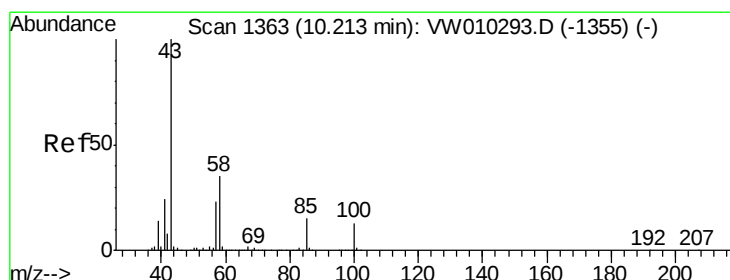
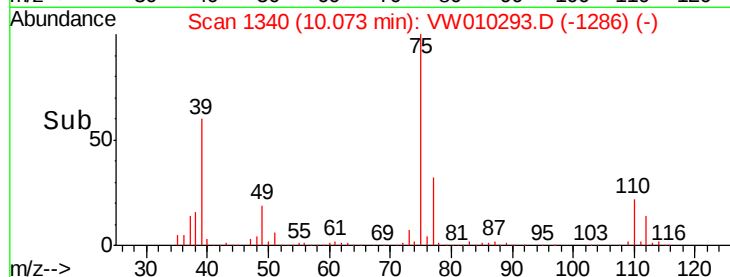
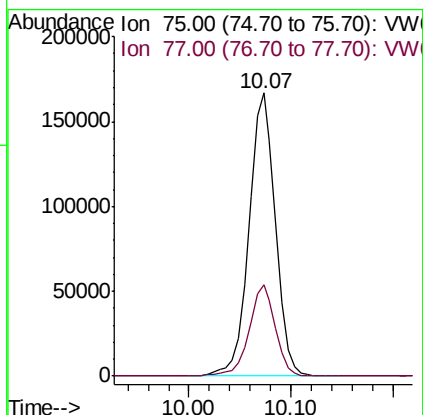
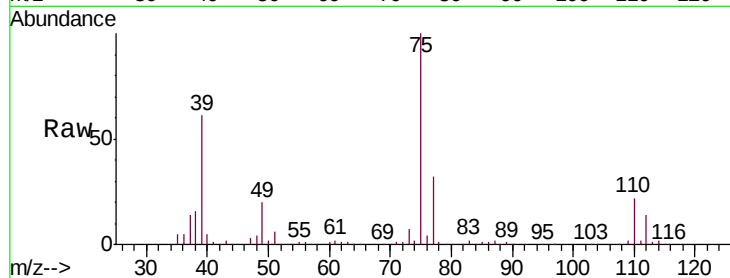
VSTD02506

Tgt Ion: 75 Resp: 301374

Ion Ratio Lower Upper

75 100

77 32.1 22.5 41.7



#43

4-Methyl-2-pentanone

Concen: 51.853 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW010293.D

Acq: 07 May 2019 11:18

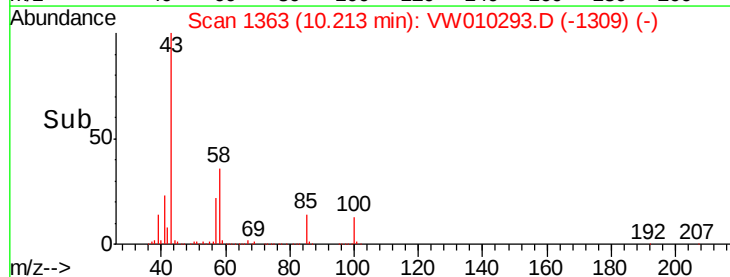
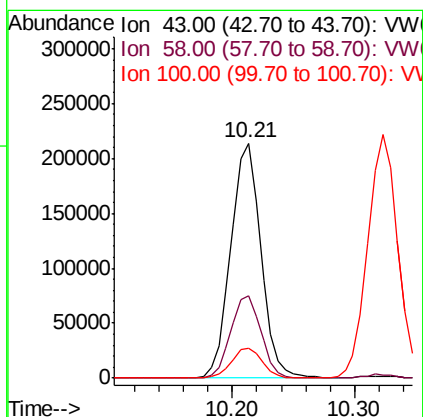
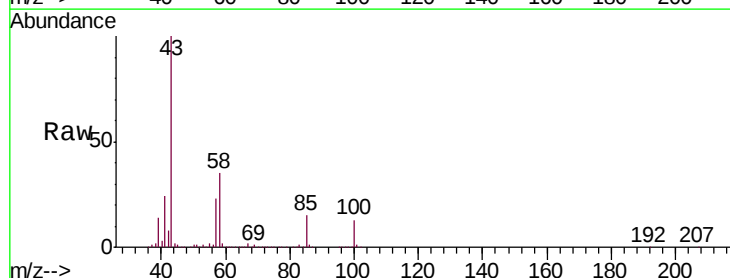
Tgt Ion: 43 Resp: 365129

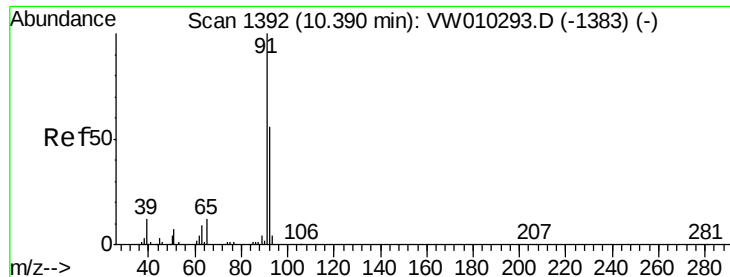
Ion Ratio Lower Upper

43 100

58 35.4 28.3 42.5

100 13.1 10.5 15.7





#44

Toluene

Concen: 25.774 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010293.D

Acq: 07 May 2019 11:18

Instrument :

MSVOA_W

ClientSampled :

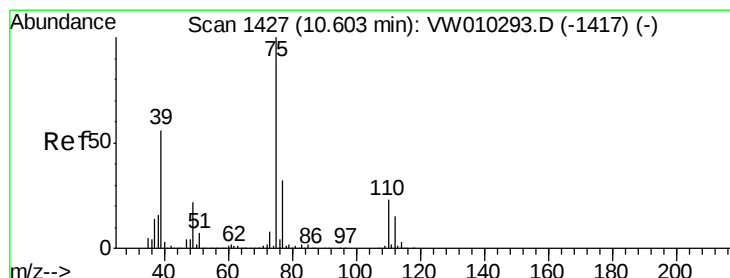
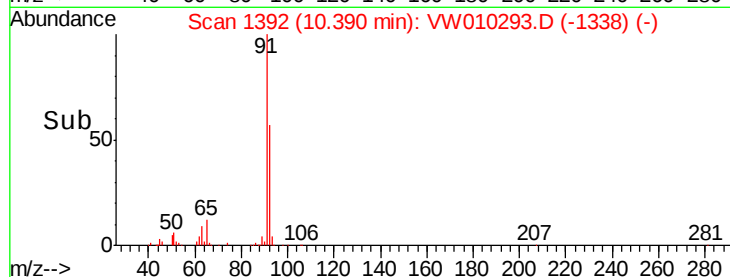
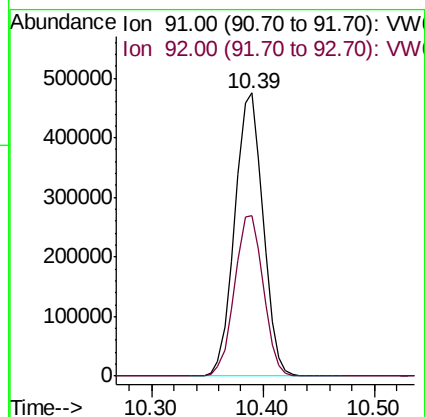
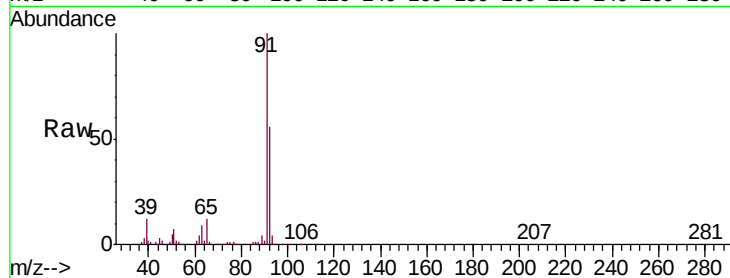
VSTD02506

Tgt Ion: 91 Resp: 836121

Ion Ratio Lower Upper

91 100

92 56.5 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 25.958 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010293.D

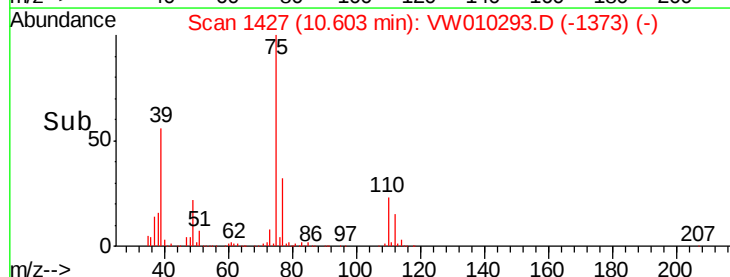
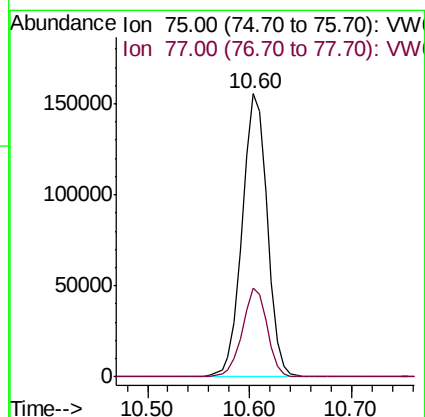
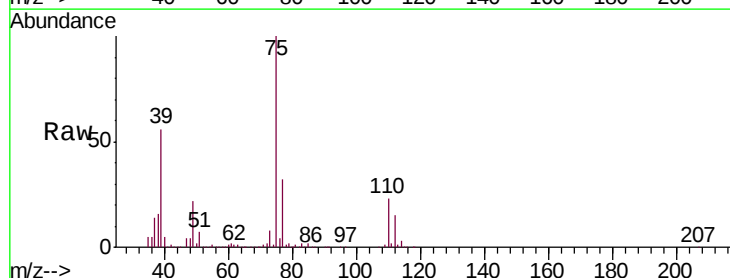
Acq: 07 May 2019 11:18

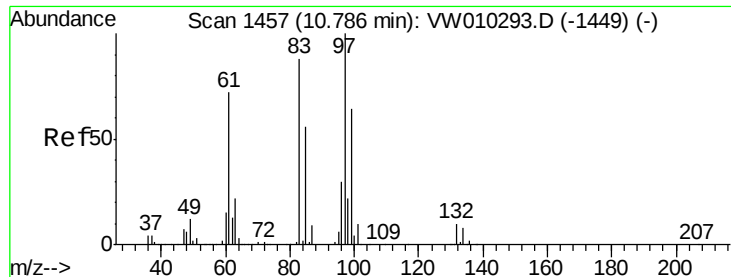
Tgt Ion: 75 Resp: 264740

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1

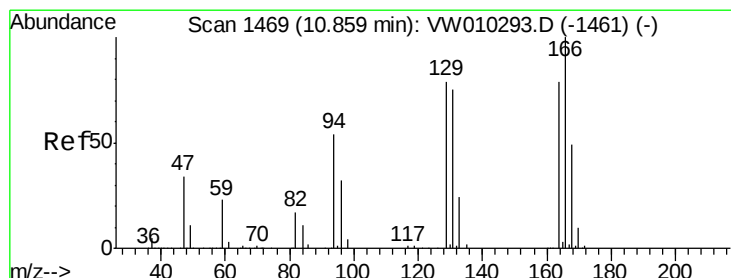
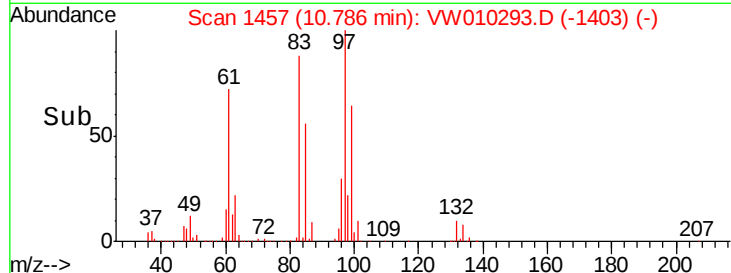
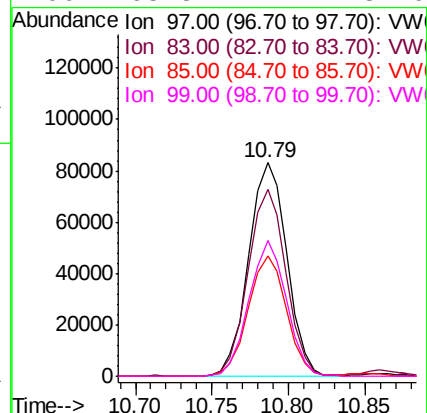
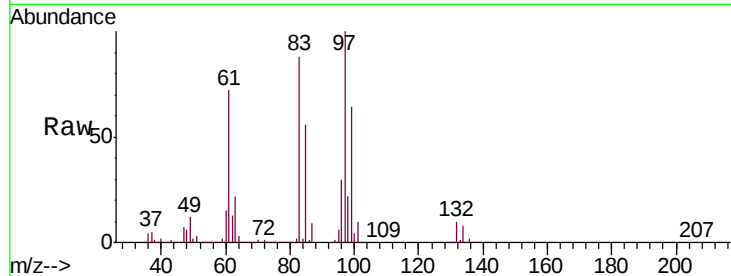




#46
 1,1,2-Trichloroethane
 Concen: 24.575 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010293.D
 Acq: 07 May 2019 11:18

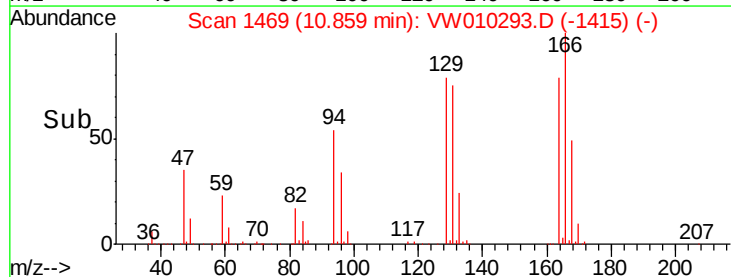
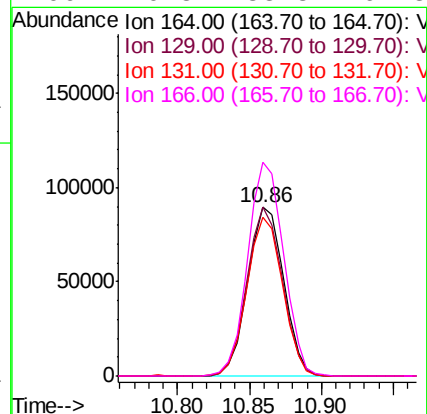
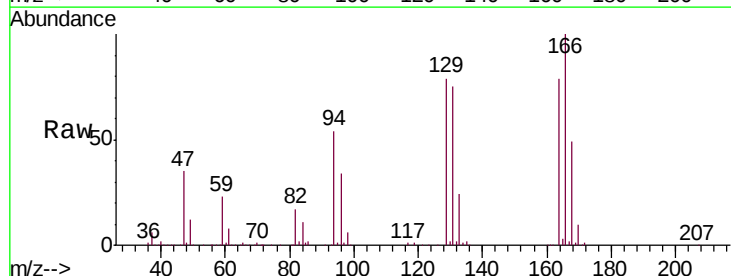
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02506

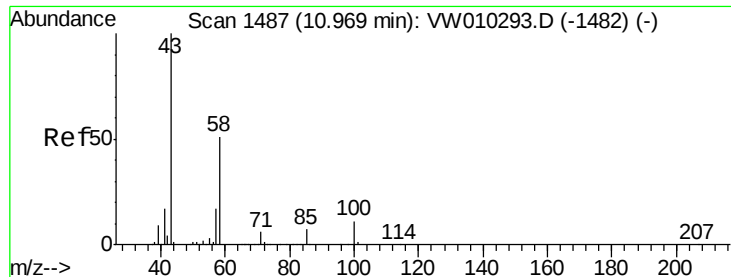
Tgt Ion:	97	Resp:	145085
Ion	Ratio	Lower	Upper
97	100		
83	87.5	61.2	113.8
85	56.1	39.3	72.9
99	63.8	44.7	82.9



#47
 Tetrachloroethene
 Concen: 24.972 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VW010293.D
 Acq: 07 May 2019 11:18

Tgt Ion:	164	Resp:	154529
Ion	Ratio	Lower	Upper
164	100		
129	100.2	70.1	130.3
131	94.6	66.2	123.0
166	126.8	88.8	164.8

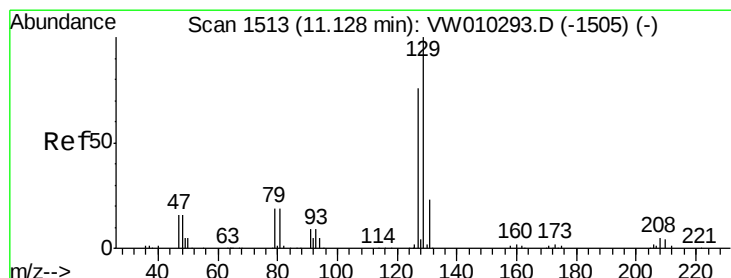
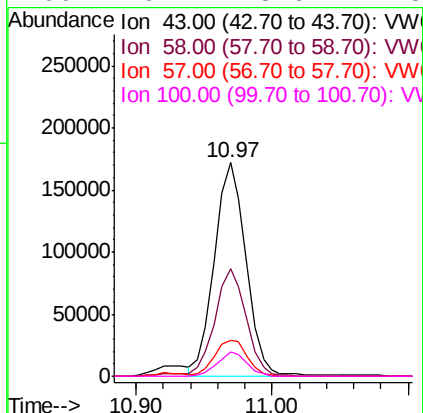
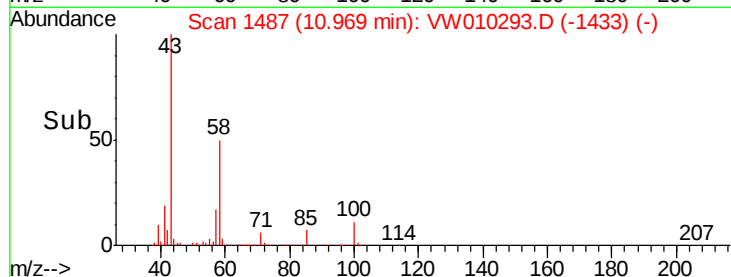
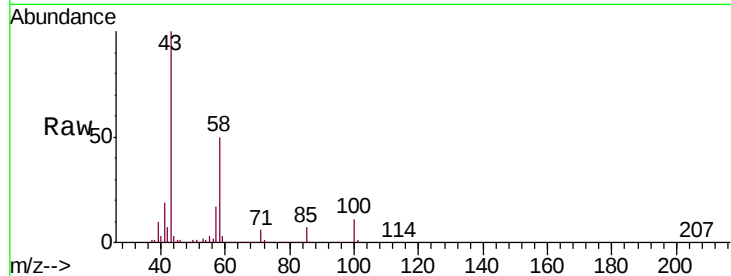




#49
2-Hexanone
Concen: 52.129 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010293.D
Acq: 07 May 2019 11:18

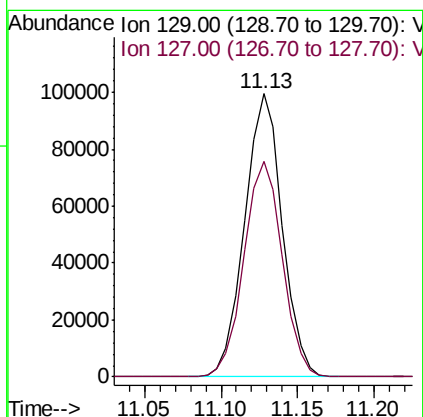
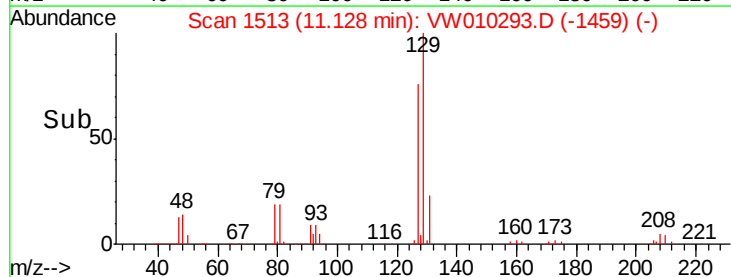
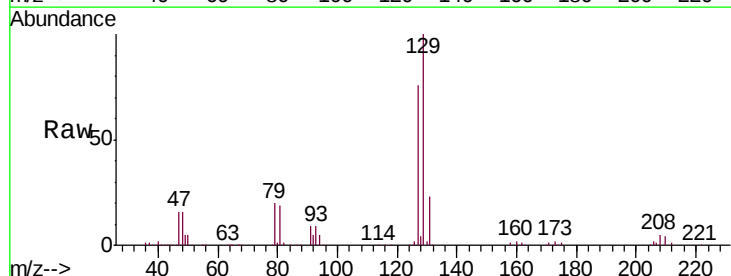
Instrument :
MSVOA_W
ClientSampleId :
VSTD02506

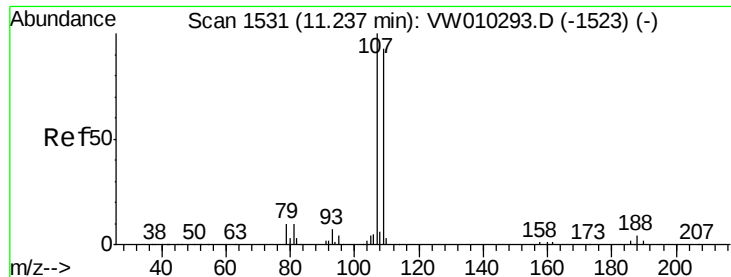
Tgt Ion: 43 Resp: 278372
Ion Ratio Lower Upper
43 100
58 49.0 39.2 58.8
57 17.6 14.1 21.1
100 10.7 8.6 12.8



#50
Dibromochloromethane
Concen: 25.052 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010293.D
Acq: 07 May 2019 11:18

Tgt Ion: 129 Resp: 170132
Ion Ratio Lower Upper
129 100
127 76.2 53.3 99.1

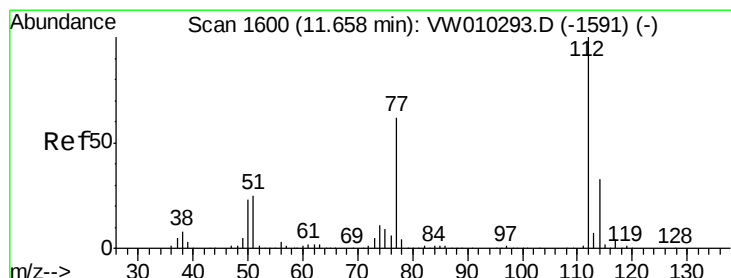
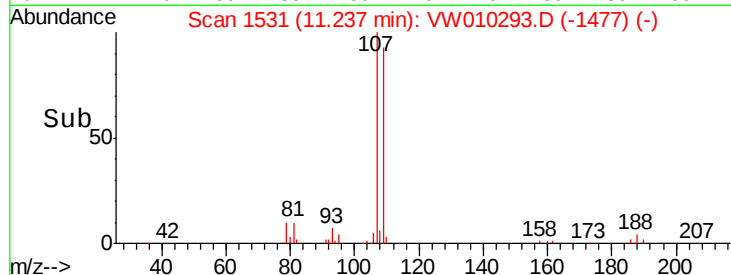
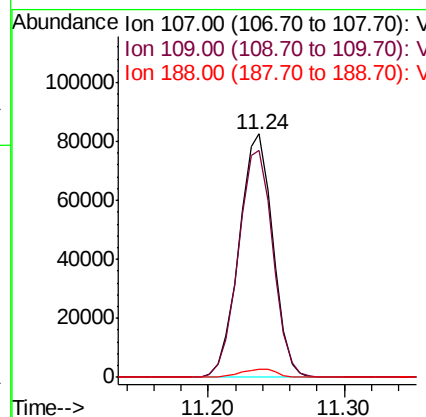
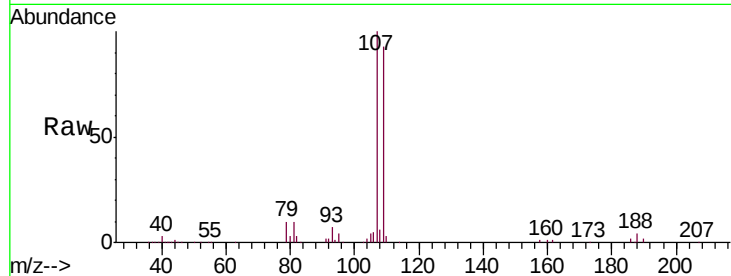




#51
 1,2-Dibromoethane
 Concen: 24.631 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW010293.D
 Acq: 07 May 2019 11:18

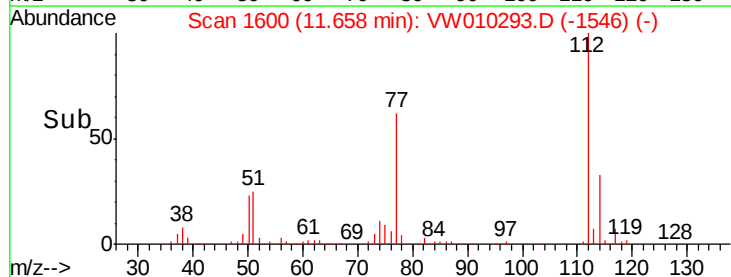
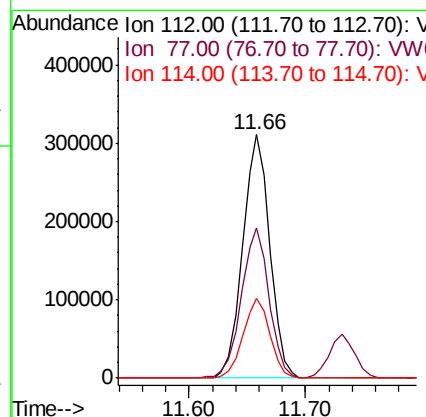
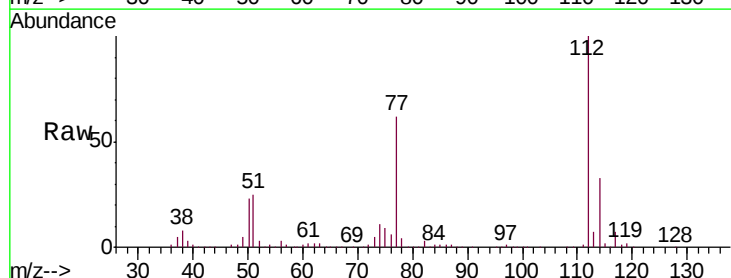
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02506

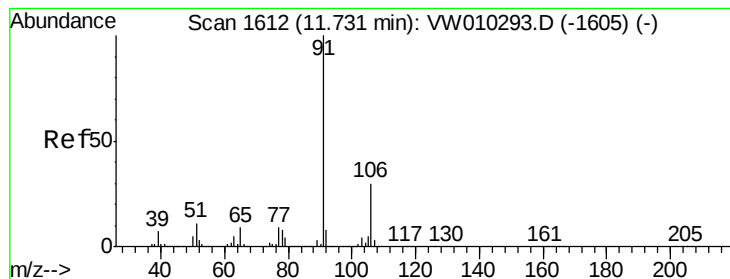
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.3	65.3	121.3
188	3.5	2.8	4.2



#52
 Chlorobenzene
 Concen: 24.809 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW010293.D
 Acq: 07 May 2019 11:18

Tgt Ion	Ratio	Lower	Upper
112	100		
77	61.6	49.3	73.9
114	32.7	22.9	42.5





#53

Ethylbenzene

Concen: 25.858 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010293.D

Acq: 07 May 2019 11:18

Instrument :

MSVOA_W

ClientSampleId :

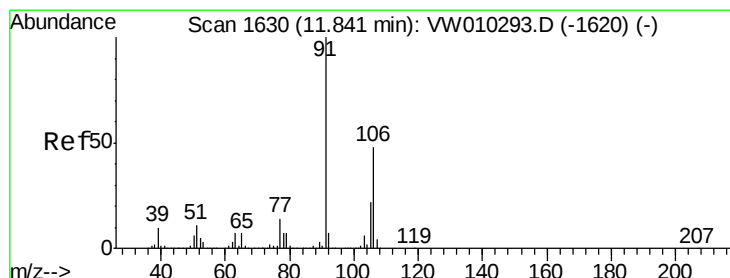
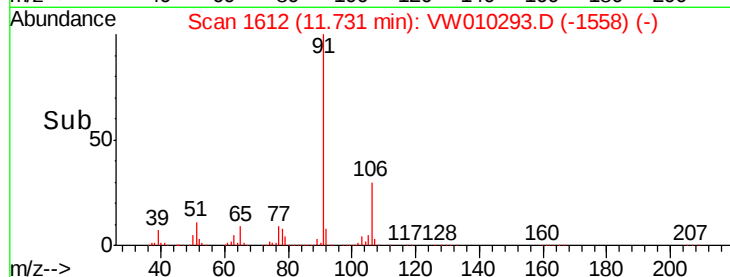
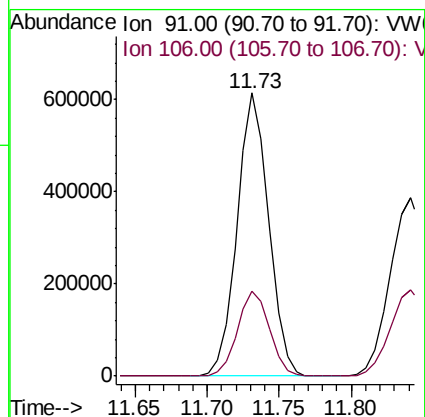
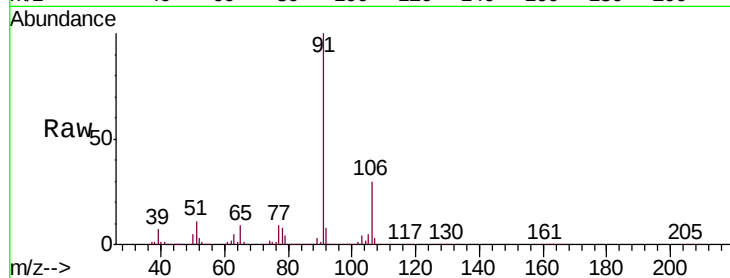
VSTD02506

Tgt Ion: 91 Resp: 936290

Ion Ratio Lower Upper

91 100

106 30.0 21.0 39.0



#54

m,p-Xylene

Concen: 26.257 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW010293.D

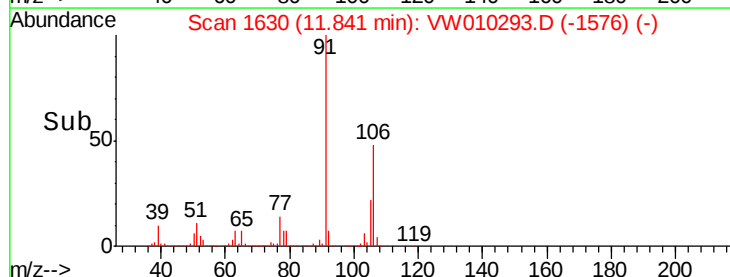
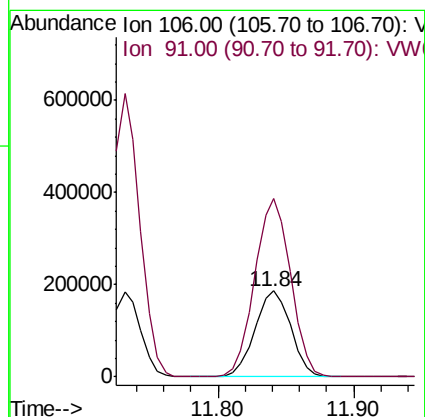
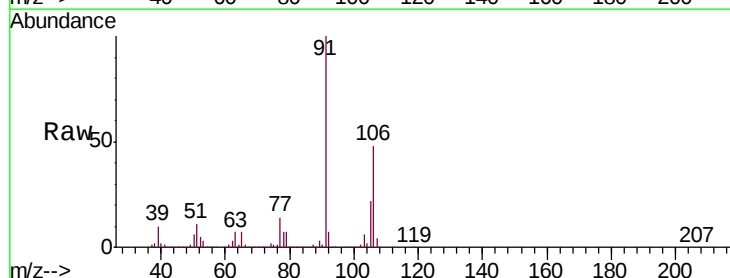
Acq: 07 May 2019 11:18

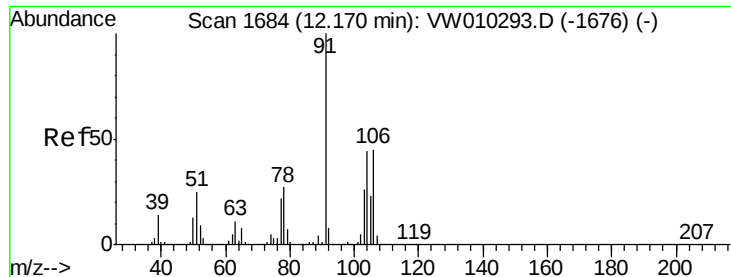
Tgt Ion: 106 Resp: 345871

Ion Ratio Lower Upper

106 100

91 207.8 145.5 270.1

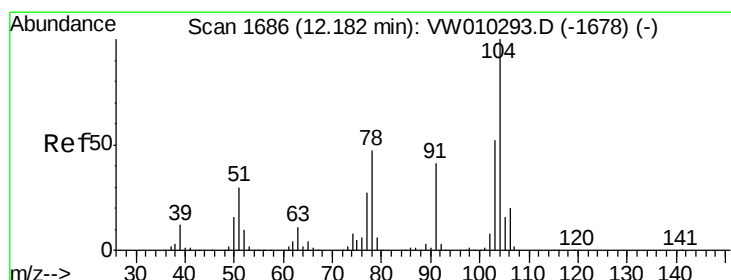
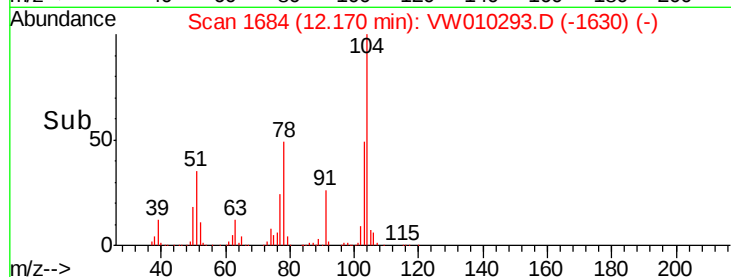
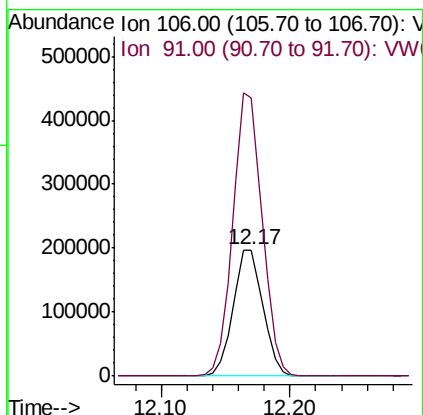
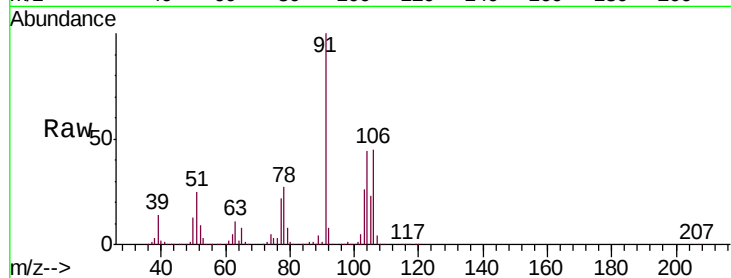




#55
o-xylene
Concen: 25.950 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW010293.D
Acq: 07 May 2019 11:18

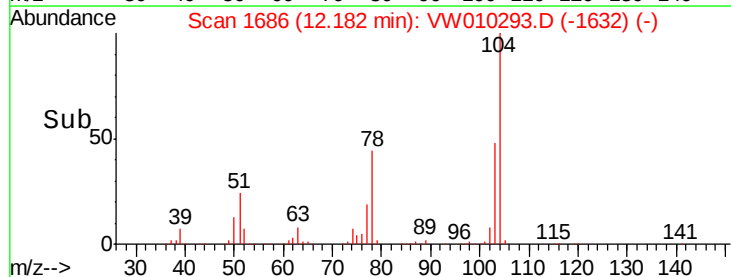
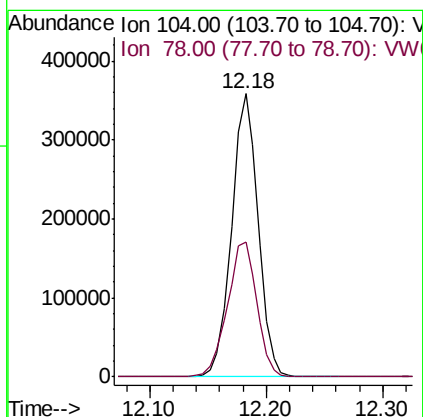
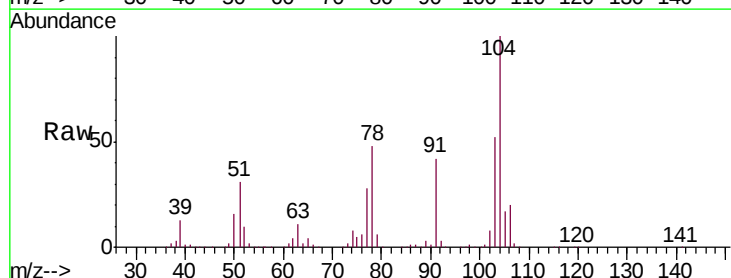
Instrument :
MSVOA_W
ClientSampleId :
VSTD02506

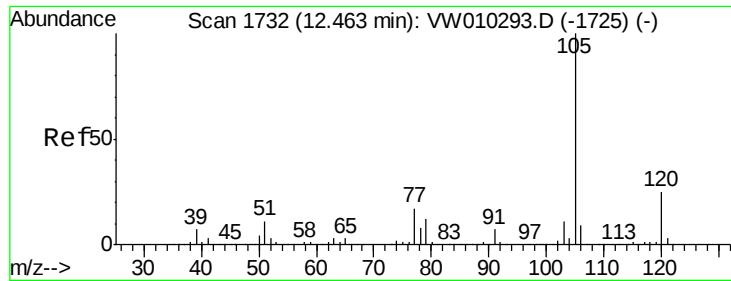
Tgt Ion:106 Resp: 318216
Ion Ratio Lower Upper
106 100
91 220.9 154.6 287.2



#56
Styrene
Concen: 26.771 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010293.D
Acq: 07 May 2019 11:18

Tgt Ion:104 Resp: 566484
Ion Ratio Lower Upper
104 100
78 47.6 33.3 61.9





#57

Isopropylbenzene

Concen: 26.799 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010293.D

Acq: 07 May 2019 11:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD02506

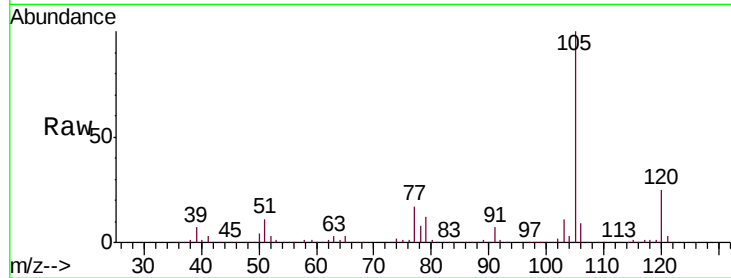
Tgt Ion: 105 Resp: 903142

Ion Ratio Lower Upper

105 100

120 25.6 20.5 30.7

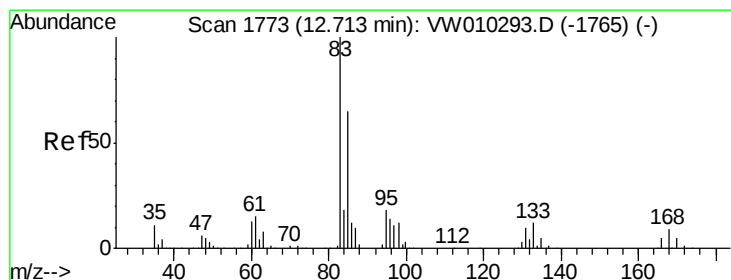
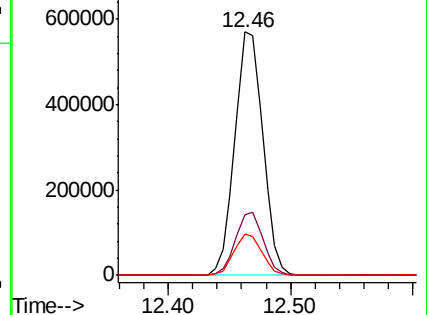
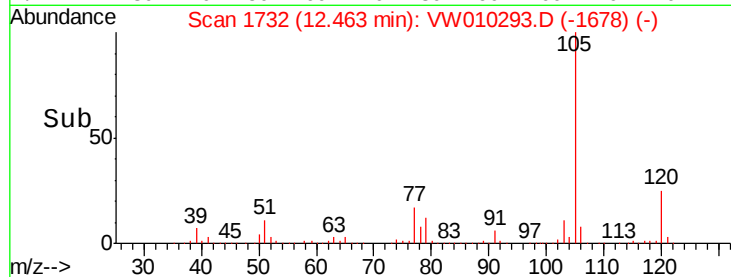
77 16.9 13.5 20.3



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: 24.848 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010293.D

Acq: 07 May 2019 11:18

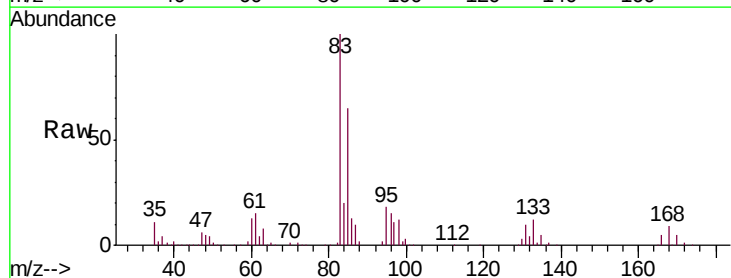
Tgt Ion: 83 Resp: 201616

Ion Ratio Lower Upper

83 100

85 65.2 45.6 84.8

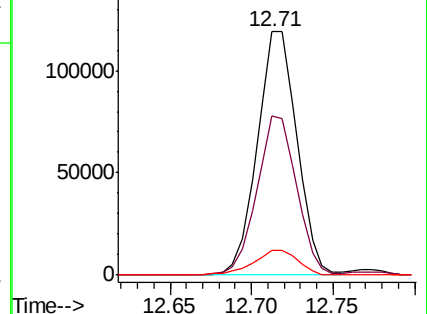
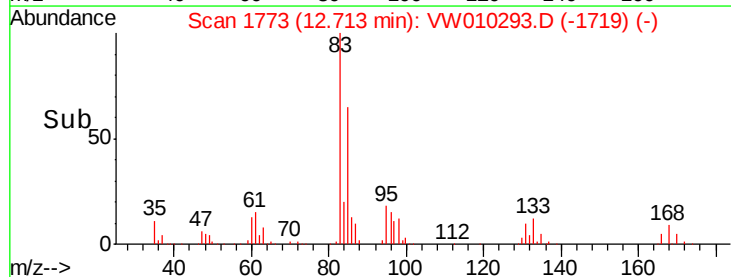
131 10.3 8.2 12.4

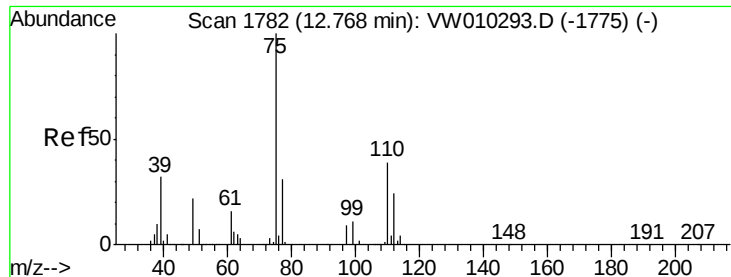


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.755 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010293.D

Acq: 07 May 2019 11:18

Instrument :

MSVOA_W

ClientSampleId :

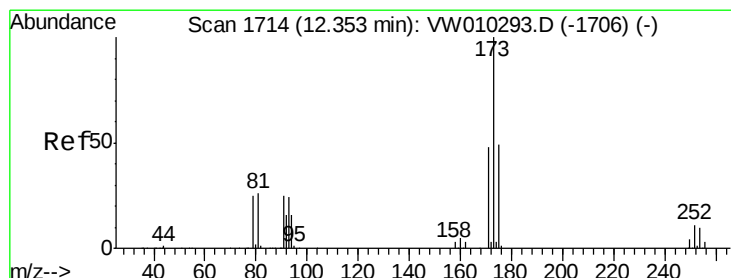
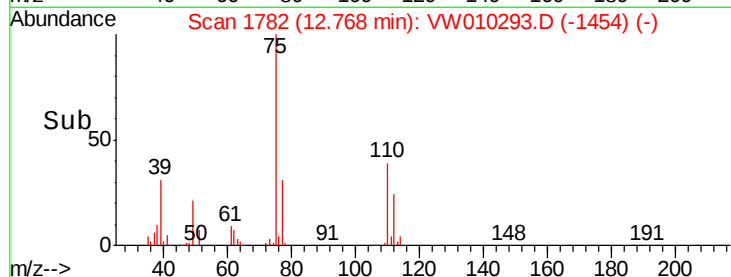
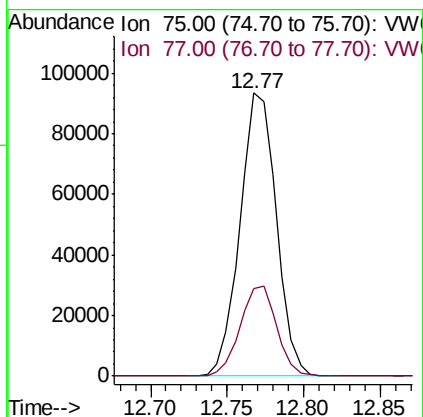
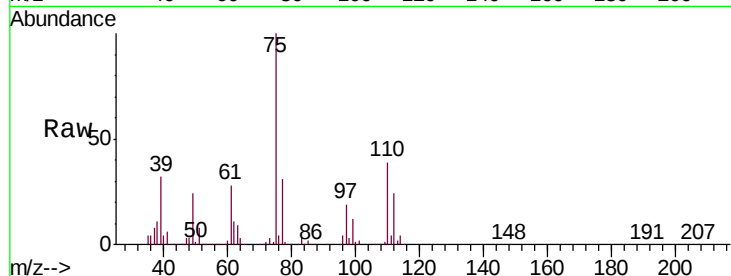
VSTD02506

Tgt Ion: 75 Resp: 154193

Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5



#62

Bromoform

Concen: 24.197 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW010293.D

Acq: 07 May 2019 11:18

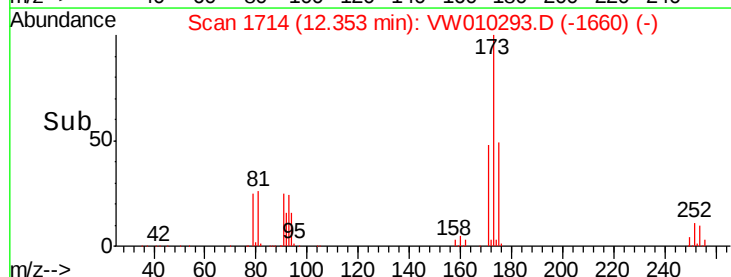
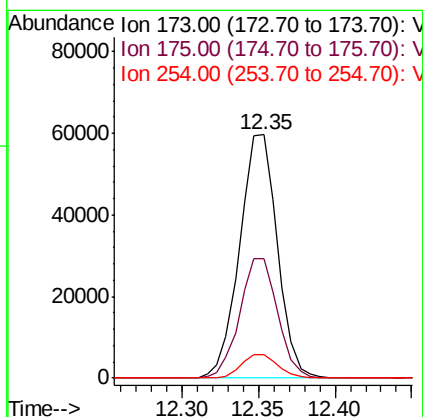
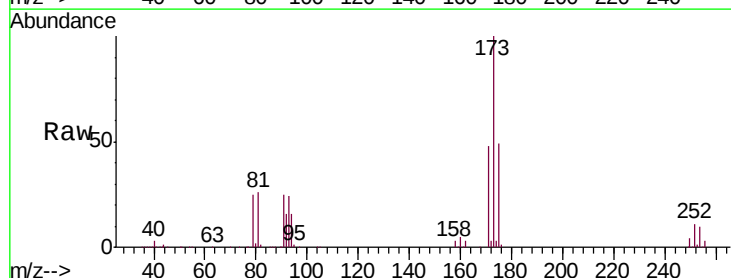
Tgt Ion: 173 Resp: 102356

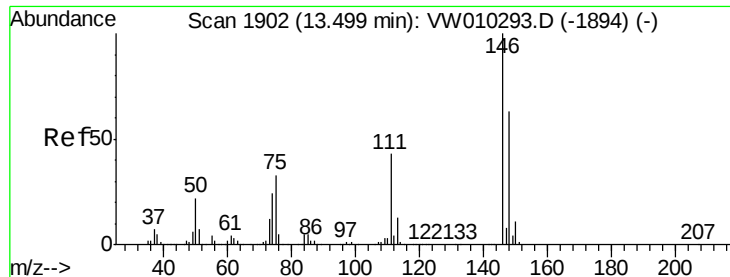
Ion Ratio Lower Upper

173 100

175 49.3 39.4 59.2

254 9.4 7.5 11.3

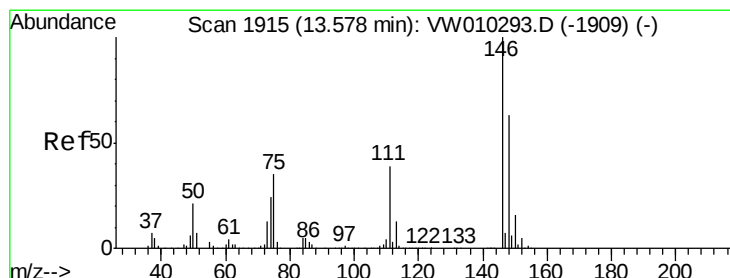
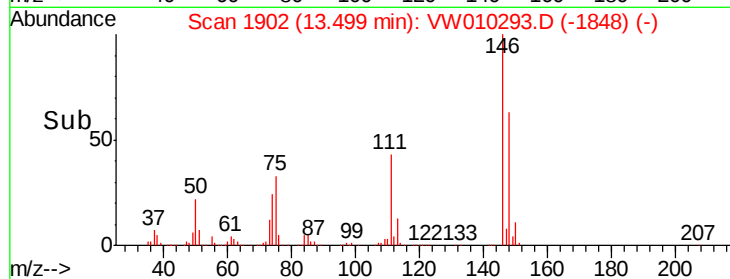
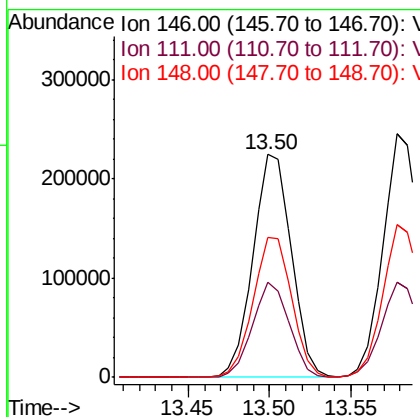
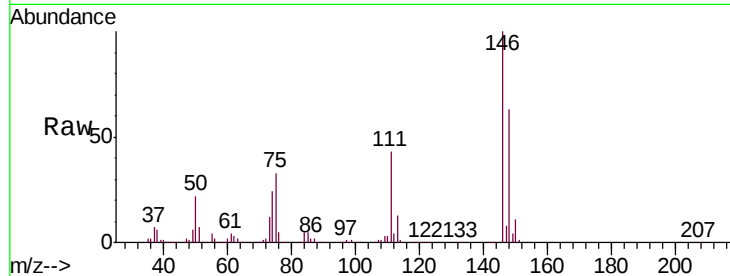




#63
 1,3-Dichlorobenzene
 Concen: 25.140 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010293.D
 Acq: 07 May 2019 11:18

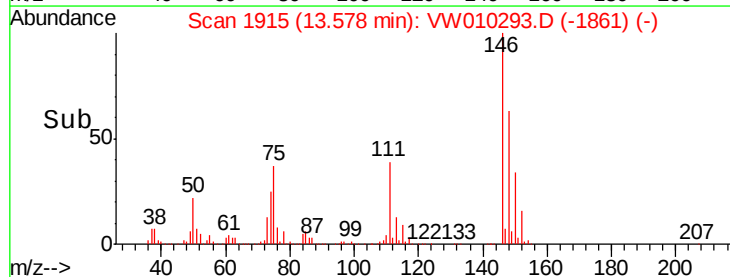
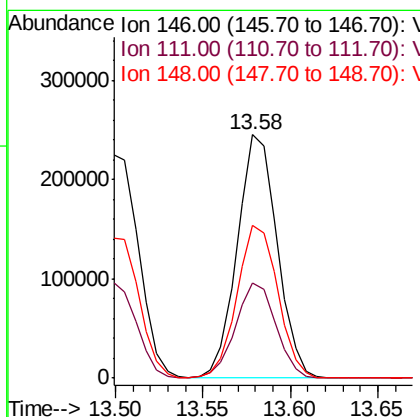
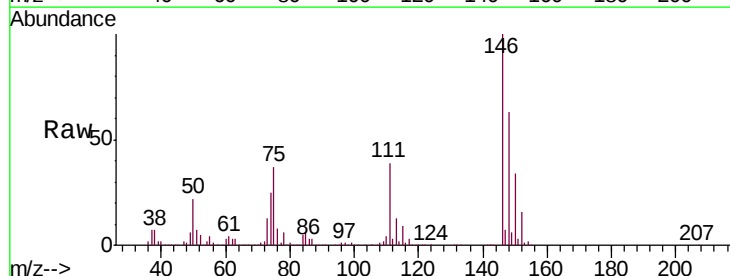
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02506

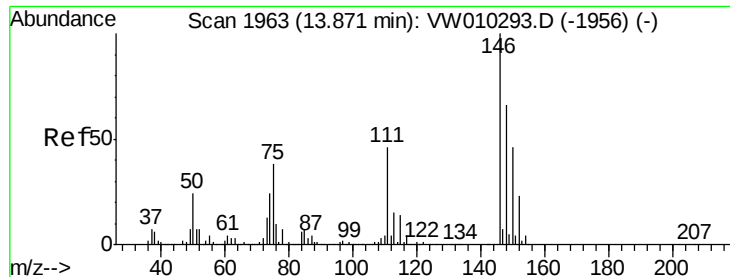
Tgt Ion:146 Resp: 368157
 Ion Ratio Lower Upper
 146 100
 111 42.9 30.0 55.8
 148 62.7 43.9 81.5



#64
 1,4-Dichlorobenzene
 Concen: 24.559 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010293.D
 Acq: 07 May 2019 11:18

Tgt Ion:146 Resp: 389513
 Ion Ratio Lower Upper
 146 100
 111 39.2 27.4 51.0
 148 62.8 44.0 81.6

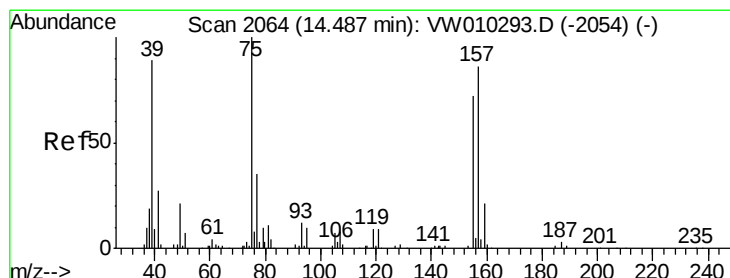
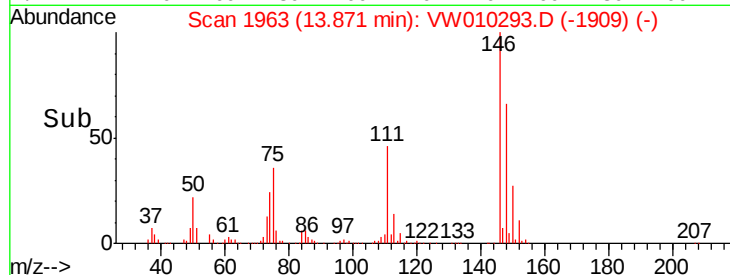
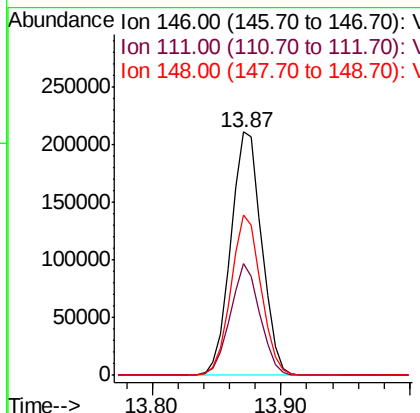
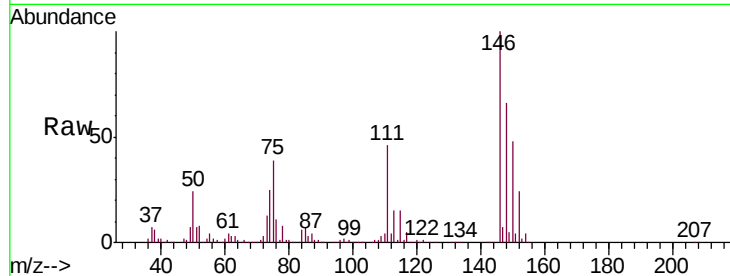




#65
 1,2-Dichlorobenzene
 Concen: 24.987 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010293.D
 Acq: 07 May 2019 11:18

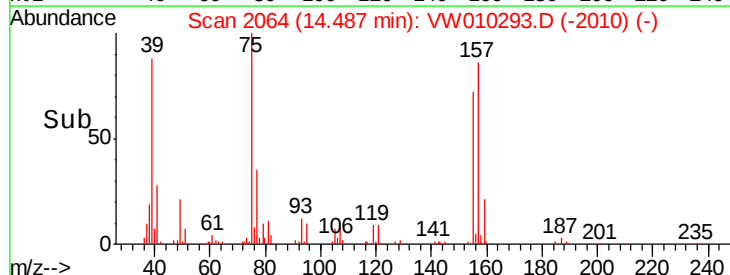
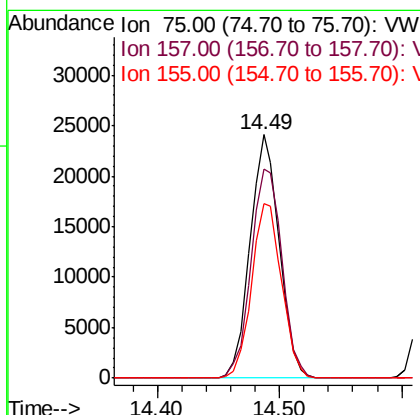
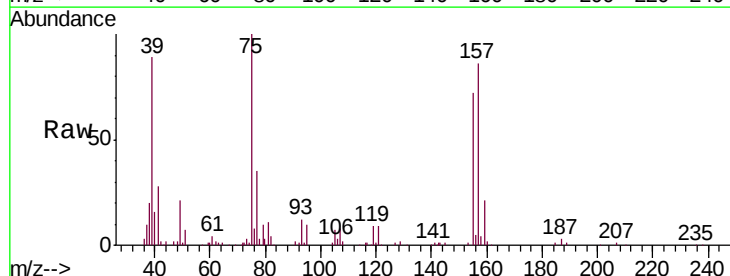
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02506

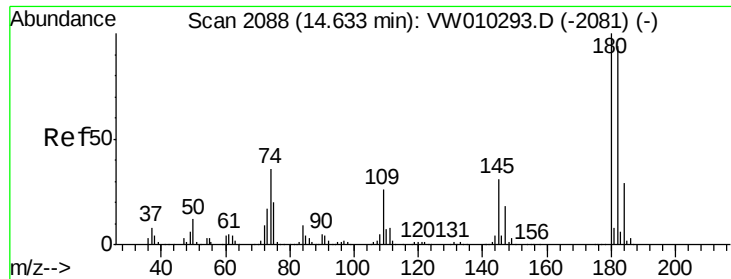
Tgt Ion: 146 Resp: 352068
 Ion Ratio Lower Upper
 146 100
 111 46.0 36.8 55.2
 148 66.1 52.9 79.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.834 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010293.D
 Acq: 07 May 2019 11:18

Tgt Ion: 75 Resp: 40018
 Ion Ratio Lower Upper
 75 100
 157 85.8 68.6 103.0
 155 71.6 57.3 85.9

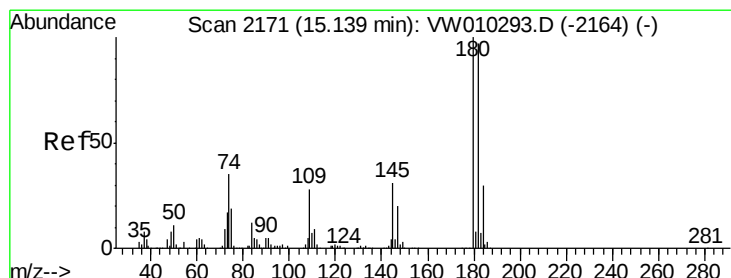
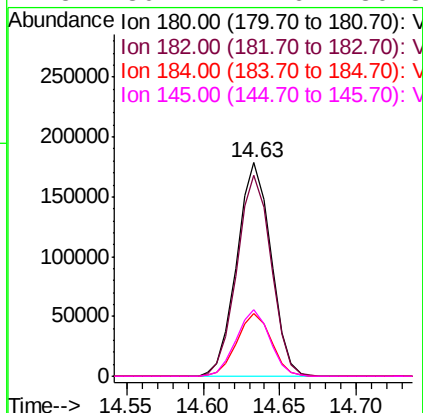
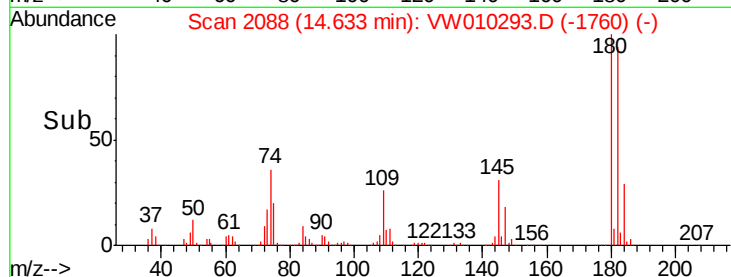
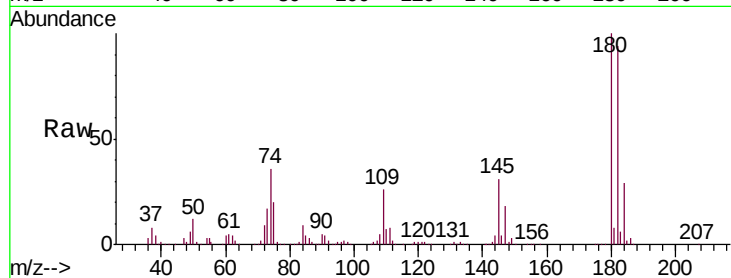




#67
 1,3,5-Trichlorobenzene
 Concen: 25.239 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW010293.D
 Acq: 07 May 2019 11:18

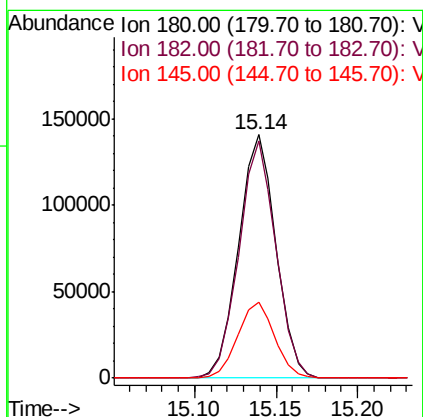
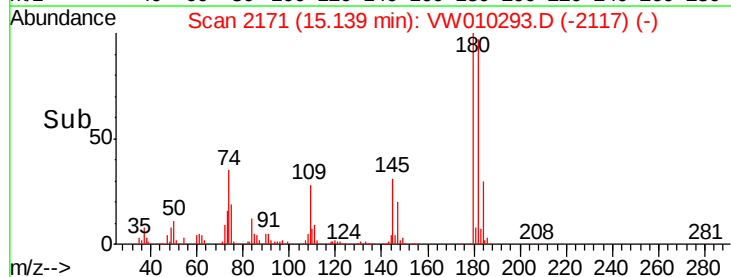
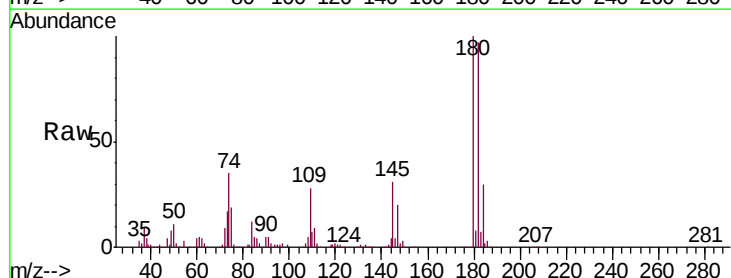
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02506

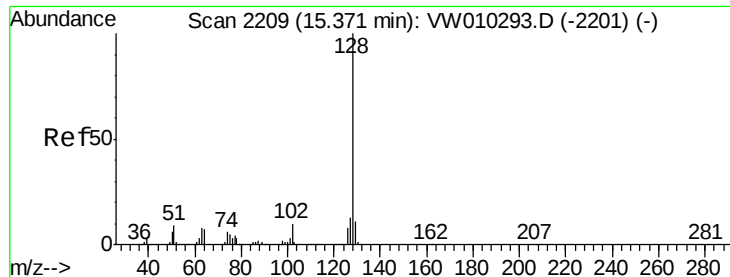
Tgt Ion:180 Resp: 276853
 Ion Ratio Lower Upper
 180 100
 182 94.2 75.4 113.0
 184 29.8 23.8 35.8
 145 30.7 24.6 36.8



#68
 1,2,4-trichlorobenzene
 Concen: 25.782 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010293.D
 Acq: 07 May 2019 11:18

Tgt Ion:180 Resp: 223815
 Ion Ratio Lower Upper
 180 100
 182 96.3 77.0 115.6
 145 31.2 25.0 37.4





#69

Naphthalene

Concen: 26.885 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010293.D

Acq: 07 May 2019 11:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD02506

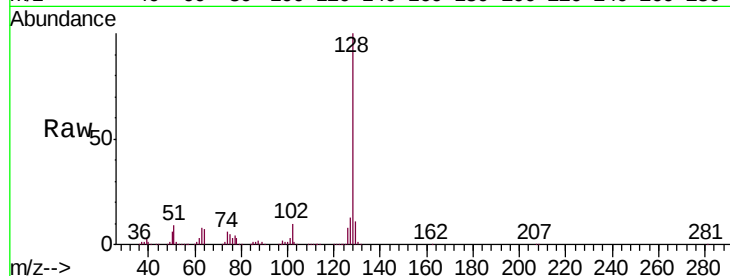
Tgt Ion:128 Resp: 526359

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

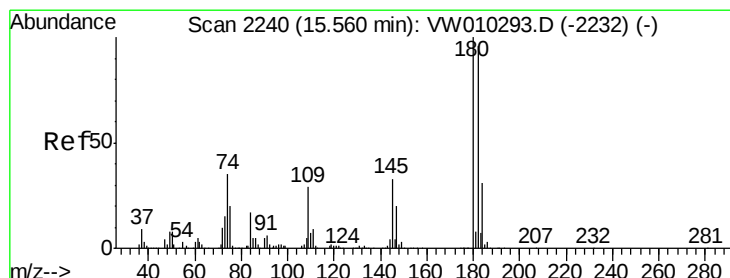
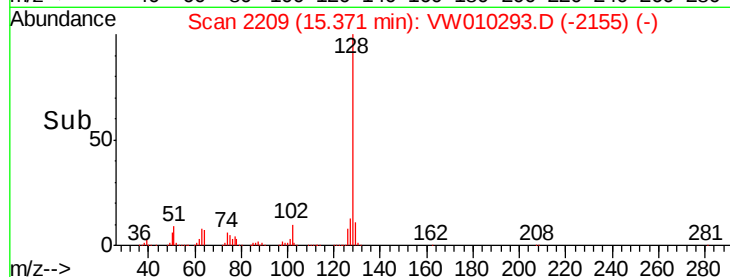
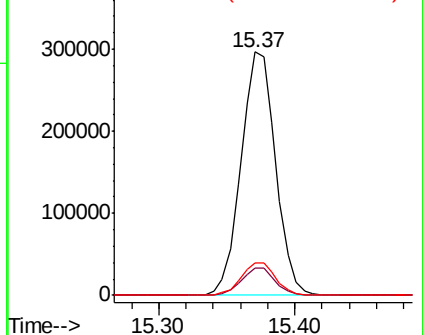
127 13.5 10.8 16.2



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: 26.108 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW010293.D

Acq: 07 May 2019 11:18

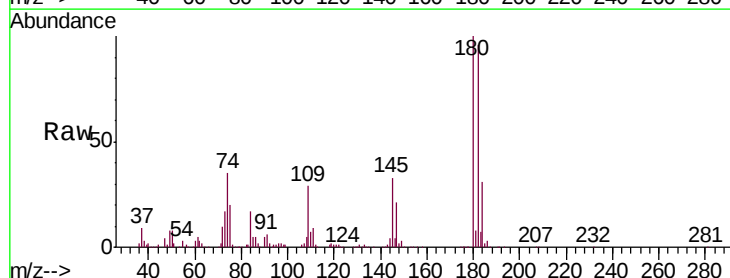
Tgt Ion:180 Resp: 217713

Ion Ratio Lower Upper

180 100

182 94.7 75.8 113.6

145 33.4 26.7 40.1



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

