

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW050719\
 Data File : VW010296.D
 Acq On : 07 May 2019 13:11
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV09

Quant Time: May 08 04:37:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM050719S.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 08 02:05:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	625018	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	585701	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	281989	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	169230	23.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.00%
7) Chloroethane-d5	2.89	69	138366	22.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.92%
10) 1,1-Dichloroethene-d2	4.02	63	422252	23.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.16%
20) 2-Butanone-d5	7.07	46	172843	51.27	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.54%
24) Chloroform-d	7.64	84	418452	25.14	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.56%
26) 1,2-Dichloroethane-d4	8.31	65	243728	24.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.92%
29) Benzene-d6	8.27	84	806932	25.36	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.44%
33) 1,2-Dichloropropane-d6	9.27	67	247743	25.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.88%
37) Toluene-d8	10.32	98	726987	25.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.52%
38) trans-1,3-Dichloropropene-	10.58	79	113089	25.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.72%
39) 2-Hexanone-d5	10.93	63	136766	55.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.06%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	234805	25.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.56%
61) 1,2-Dichlorobenzene-d4	13.86	152	247804	25.75	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	186981	22.381 ug/L	90
3) Chloromethane	2.21	50	184691	22.938 ug/L	98
5) Vinyl chloride	2.37	62	215619	22.870 ug/L	100
6) Bromomethane	2.78	94	123788	21.721 ug/L	98
8) Chloroethane	2.92	64	125579	22.125 ug/L	99
9) Trichlorofluoromethane	3.25	101	121657	19.992 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	203864	24.339 ug/L	97
12) 1,1-Dichloroethene	4.04	96	205342	24.201 ug/L	85
13) Acetone	4.12	43	131083	45.436 ug/L	98
14) Carbon disulfide	4.38	76	605807	23.330 ug/L	98
15) Methyl Acetate	4.67	43	147153	23.908 ug/L	99
16) Methylene chloride	4.91	84	204080	24.119 ug/L	93
17) Methyl tert-butyl Ether	5.42	73	283201	25.465 ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	211546	24.169 ug/L	99
19) 1,1-Dichloroethane	6.21	63	409949	24.434 ug/L	99
21) 2-Butanone	7.17	43	206868	50.125 ug/L	98
22) cis-1,2-Dichloroethene	7.16	96	230034	25.451 ug/L	99

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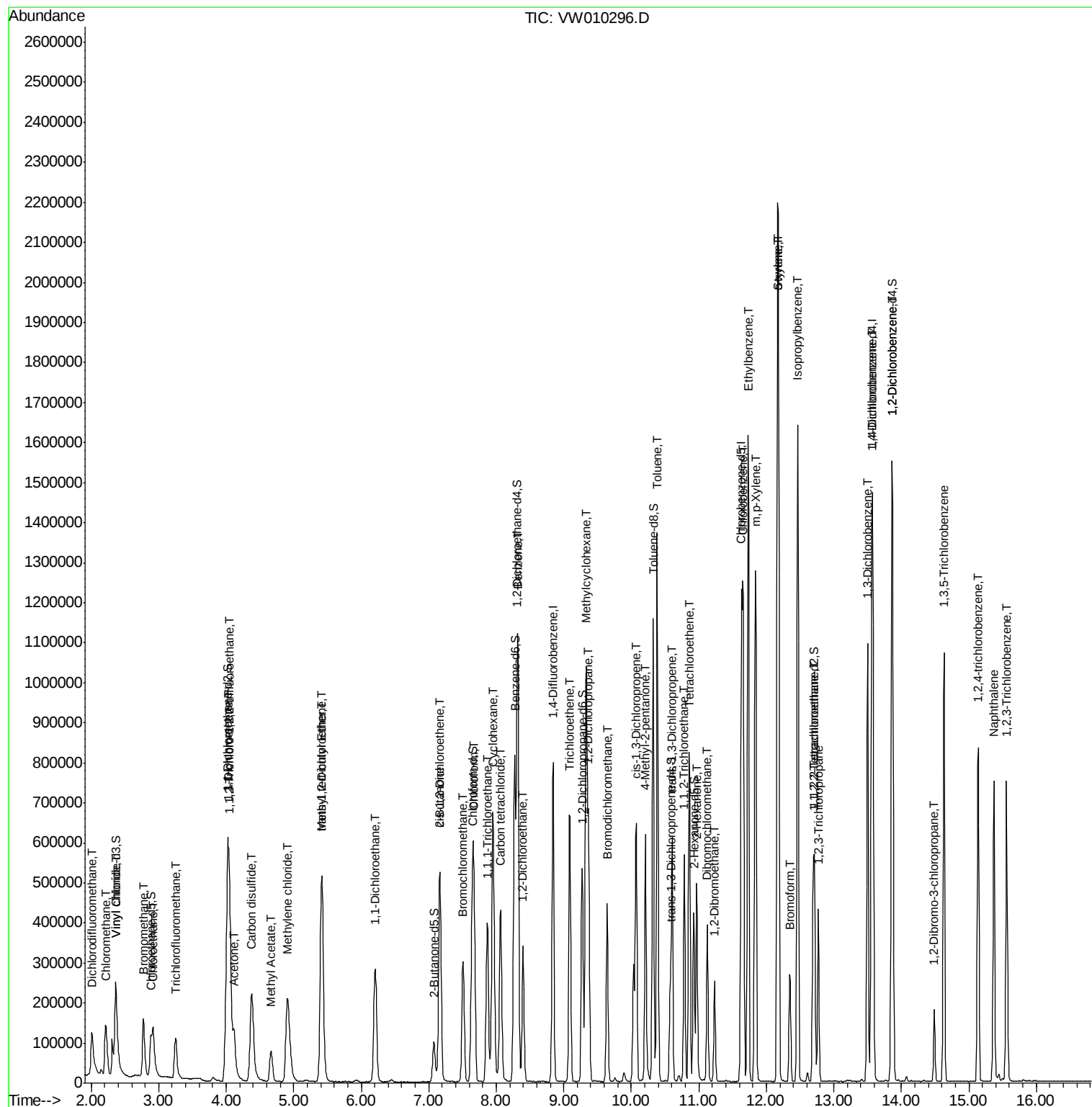
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	100689	24.830	ug/L	98
25) Chloroform	7.67	83	409885	24.739	ug/L	100
27) 1,2-Dichloroethane	8.40	62	298082	24.514	ug/L	97
30) Cyclohexane	7.95	56	380665	25.136	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	315526	23.656	ug/L	98
32) Carbon tetrachloride	8.06	117	315805	23.822	ug/L	100
34) Benzene	8.32	78	909509	25.300	ug/L	100
35) Trichloroethene	9.09	95	230923	24.311	ug/L	99
36) Methylcyclohexane	9.34	83	403828	25.169	ug/L	100
40) 1,2-Dichloropropane	9.37	63	229309	24.996	ug/L	100
41) Bromodichloromethane	9.64	83	296006	24.935	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	349799	25.482	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	416239	50.932	ug/L	99
44) Toluene	10.39	91	959213	25.476	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	300375	25.377	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	167164	24.397	ug/L	97
47) Tetrachloroethene	10.86	164	175471	24.432	ug/L	96
49) 2-Hexanone	10.97	43	314347	50.720	ug/L	99
50) Dibromochloromethane	11.13	129	196828	24.972	ug/L	95
51) 1,2-Dibromoethane	11.24	107	168445	24.958	ug/L	100
52) Chlorobenzene	11.66	112	585507	24.894	ug/L	100
53) Ethylbenzene	11.73	91	1079316	25.683	ug/L	99
54) m,p-Xylene	11.84	106	401895	26.288	ug/L	98
55) o-xylene	12.16	106	377256	26.507	ug/L	97
56) Styrene	12.18	104	656190	26.719	ug/L	100
57) Isopropylbenzene	12.47	105	1024585	26.196	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	234902	24.944	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	178411	24.680	ug/L	99
62) Bromoform	12.35	173	118764	24.488	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	421376	25.097	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	445278	24.488	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	404916	25.066	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	45870	23.829	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	307117	24.420	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	247440	24.861	ug/L	98
69) Naphthalene	15.37	128	603162	26.872	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	244151	25.537	ug/L	99

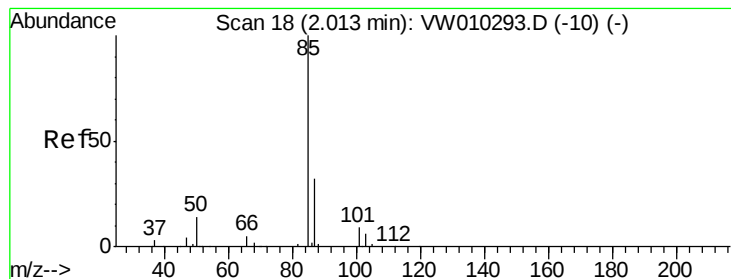
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.381 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW010296.D

Acq: 07 May 2019 13:11

Instrument :

MSVOA_W

ClientSampleId :

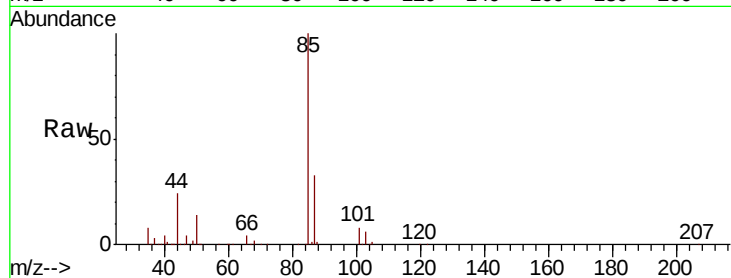
VICV09

Tgt Ion: 85 Resp: 186981

Ion Ratio Lower Upper

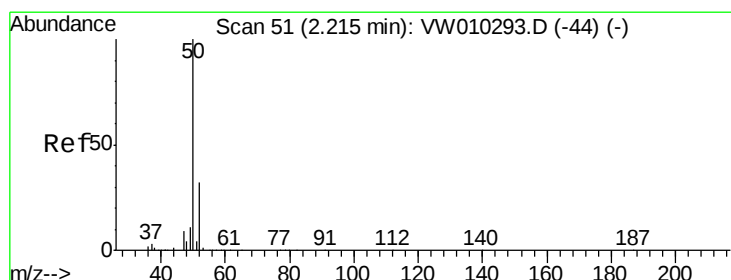
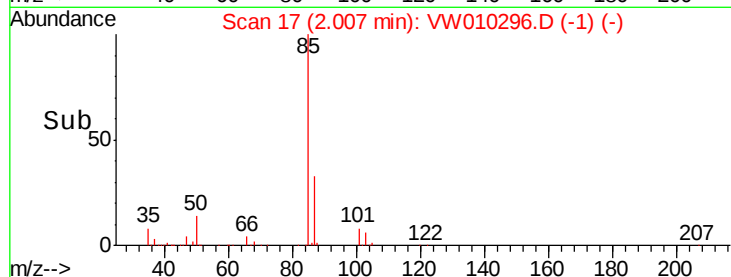
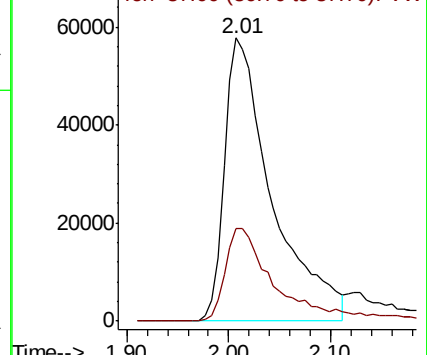
85 100

87 31.7 18.7 34.7



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 22.938 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW010296.D

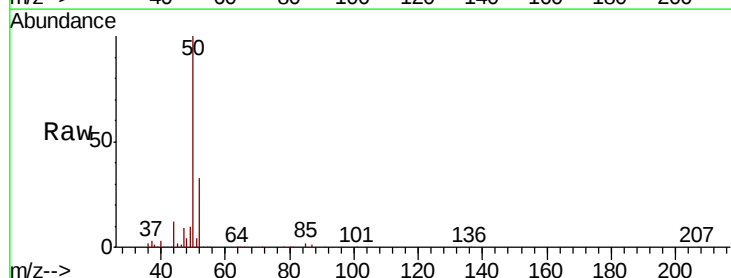
Acq: 07 May 2019 13:11

Tgt Ion: 50 Resp: 184691

Ion Ratio Lower Upper

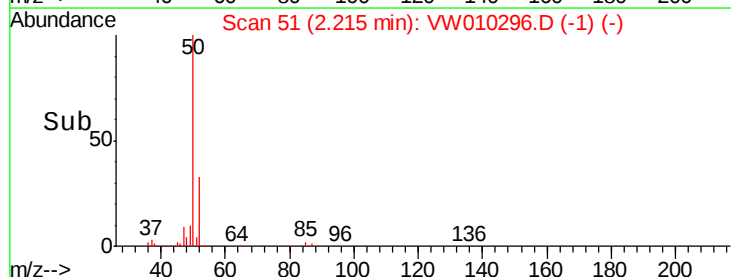
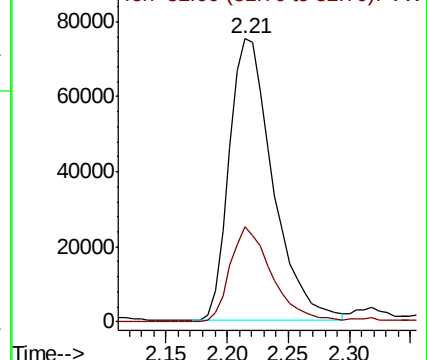
50 100

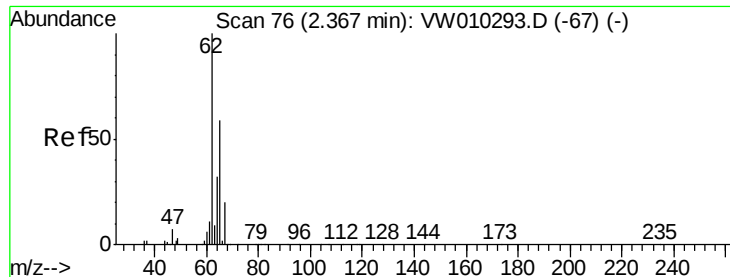
52 33.4 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 22.870 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW010296.D

Acq: 07 May 2019 13:11

Instrument :

MSVOA_W

ClientSampleId :

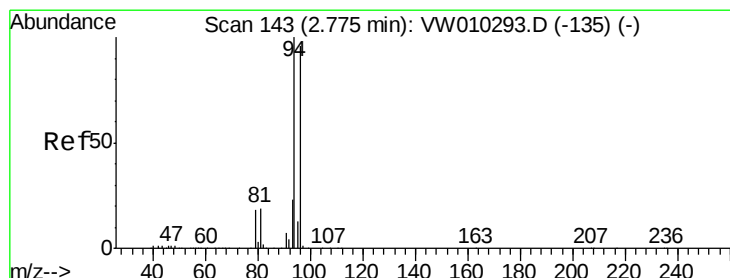
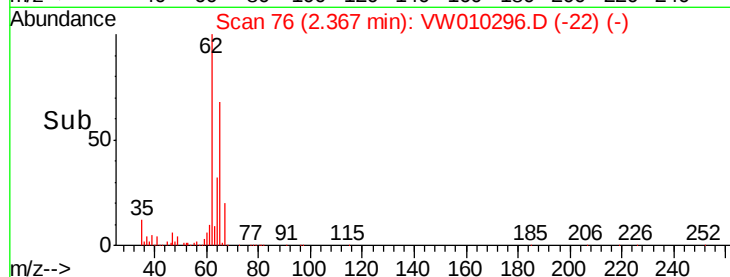
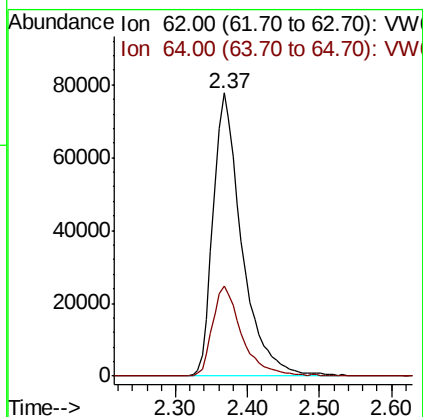
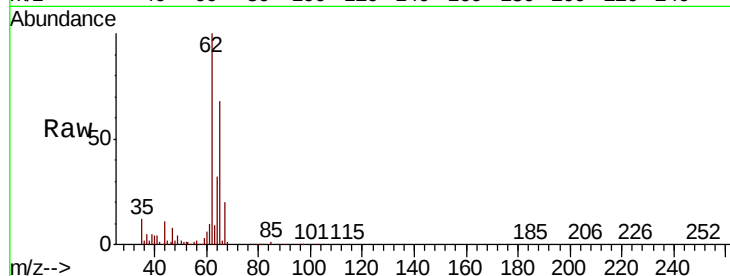
VICV09

Tgt Ion: 62 Resp: 215619

Ion Ratio Lower Upper

62 100

64 31.7 22.1 41.1



#6

Bromomethane

Concen: 21.721 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW010296.D

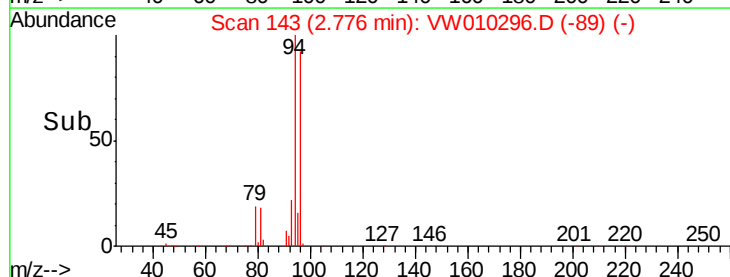
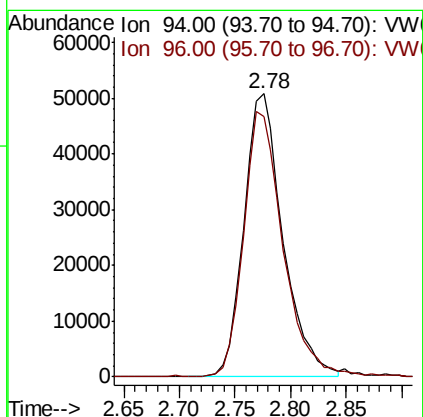
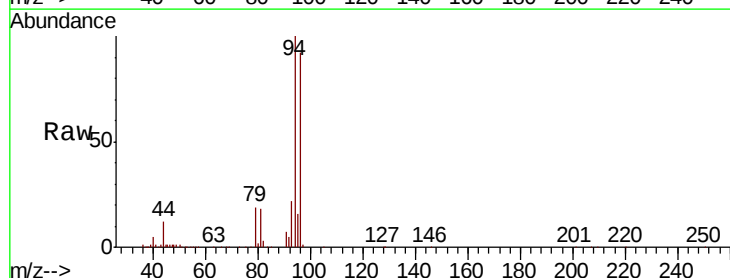
Acq: 07 May 2019 13:11

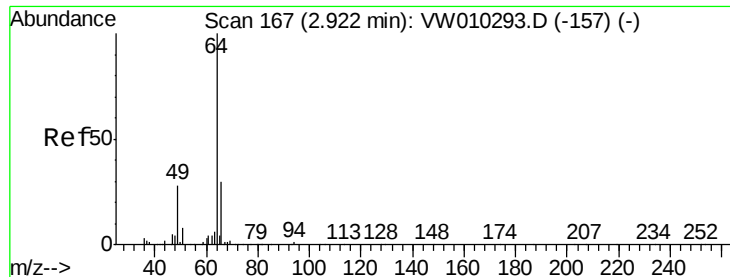
Tgt Ion: 94 Resp: 123788

Ion Ratio Lower Upper

94 100

96 94.8 9.3 177.1

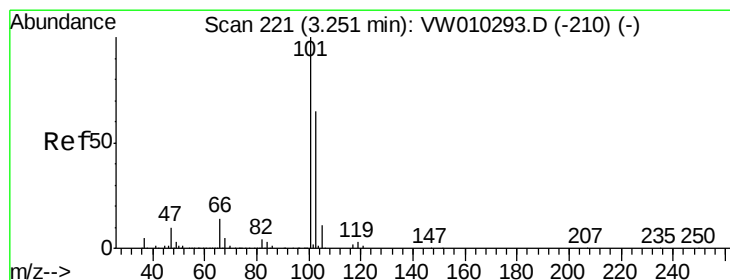
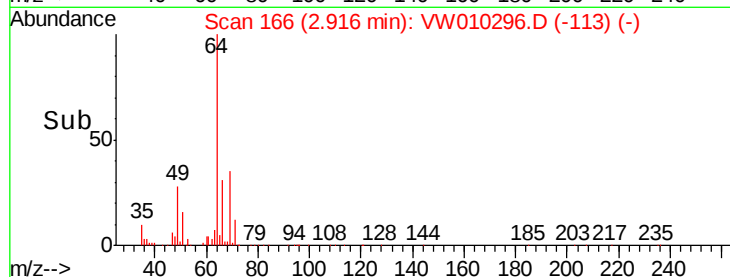
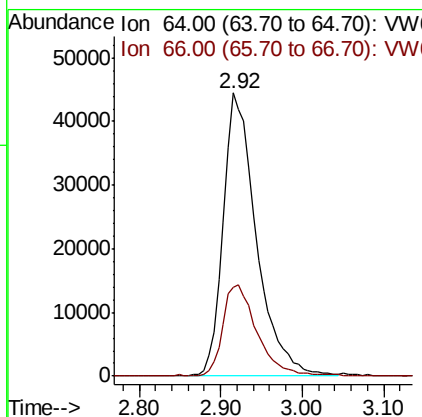
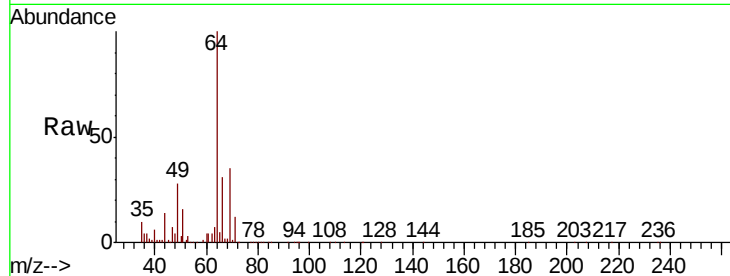




#8
Chloroethane
Concen: 22.125 ug/L
RT: 2.92 min Scan# 166
Delta R.T. -0.01 min
Lab File: VW010296.D
Acq: 07 May 2019 13:11

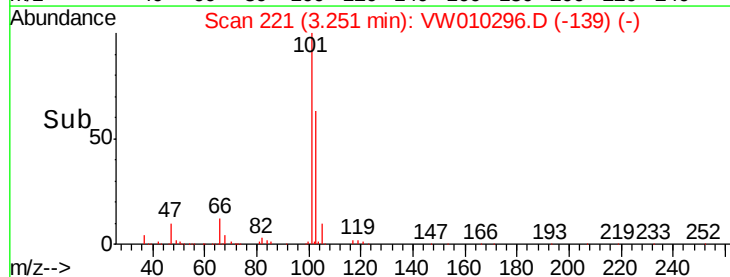
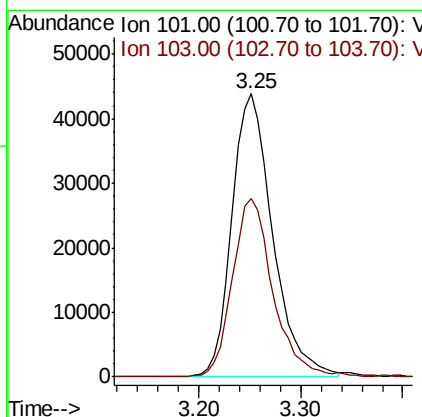
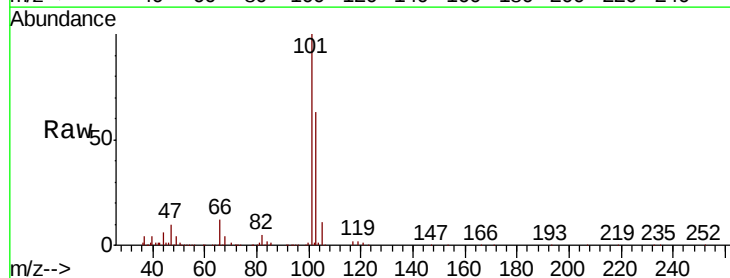
Instrument :
MSVOA_W
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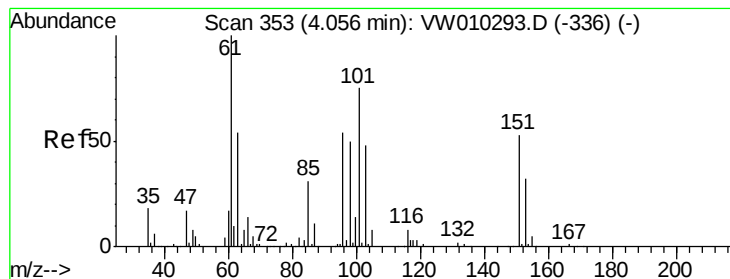
Tgt Ion: 64 Resp: 125579
Ion Ratio Lower Upper
64 100
66 31.3 21.5 39.9



#9
Trichlorofluoromethane
Concen: 19.992 ug/L
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW010296.D
Acq: 07 May 2019 13:11

Tgt Ion: 101 Resp: 121657
Ion Ratio Lower Upper
101 100
103 62.2 45.1 83.7





#11

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

Concen: 24.339 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW010296.D

Acq: 07 May 2019 13:11

Instrument :

MSVOA_W

ClientSampleId :

VICV09

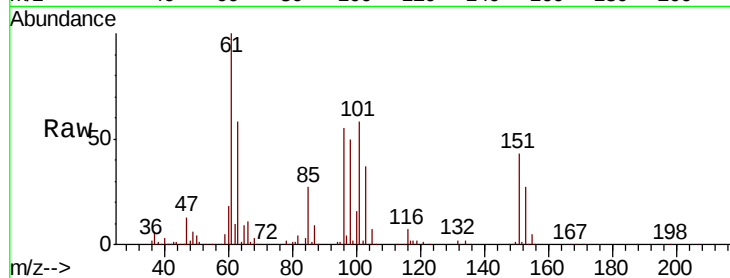
Tgt Ion:101 Resp: 203864

Ion Ratio Lower Upper

101 100

85 44.6 33.7 50.5

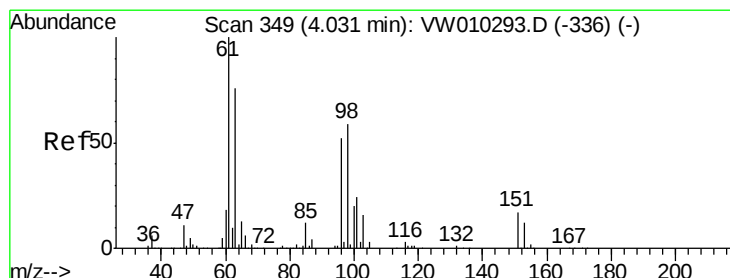
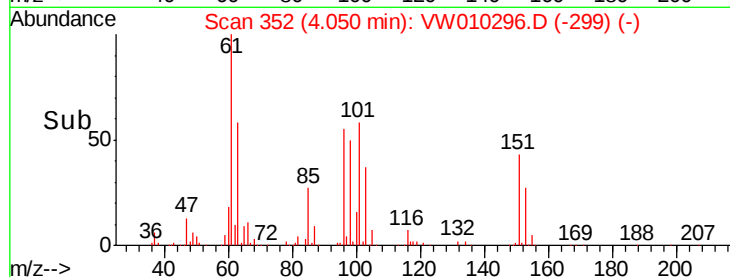
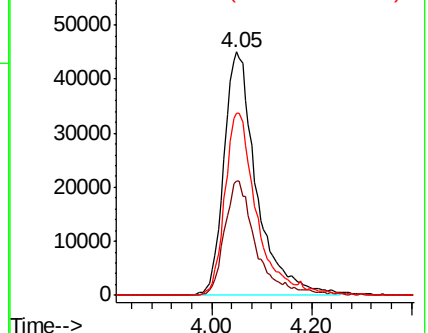
151 70.8 58.7 88.1



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: 24.201 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW010296.D

Acq: 07 May 2019 13:11

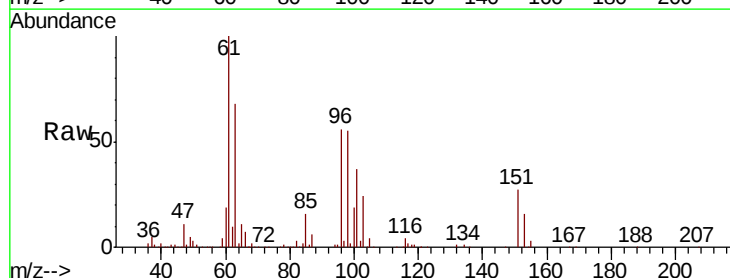
Tgt Ion: 96 Resp: 205342

Ion Ratio Lower Upper

96 100

61 177.8 135.1 250.9

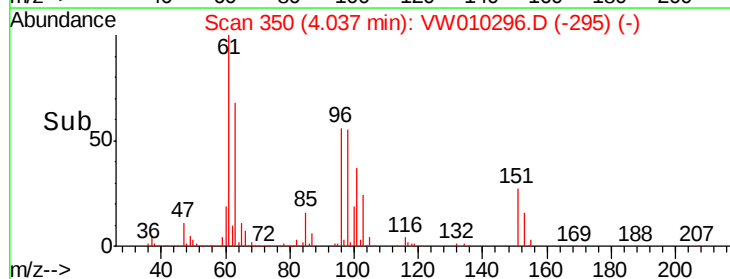
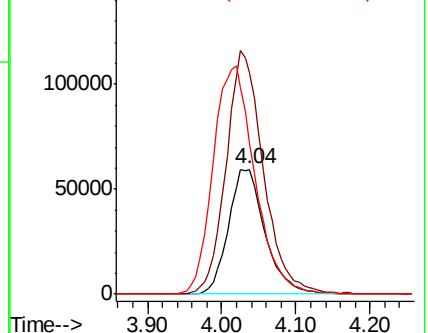
63 120.7 103.1 191.5

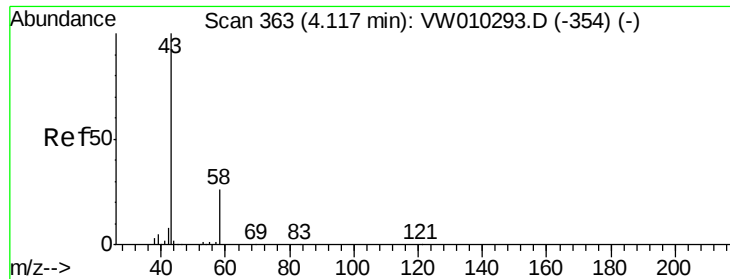


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 45.436 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW010296.D

Acq: 07 May 2019 13:11

Instrument :

MSVOA_W

ClientSampled :

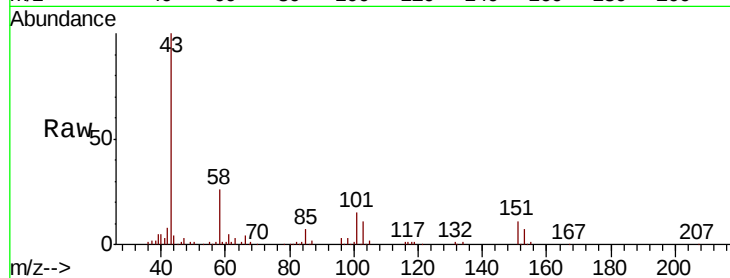
VICV09

Tgt Ion: 43 Resp: 131083

Ion Ratio Lower Upper

43 100

58 28.7 0.0 55.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

50000

40000

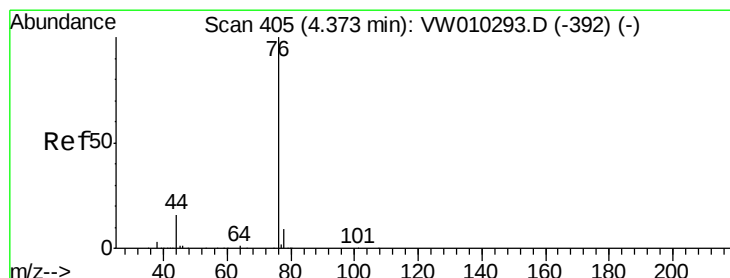
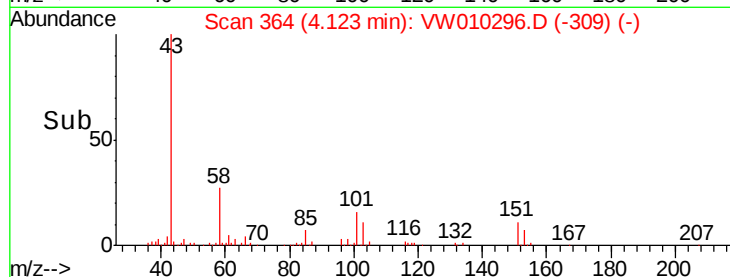
30000

20000

10000

0

Time--> 4.00 4.10 4.20



#14

Carbon disulfide

Concen: 23.330 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW010296.D

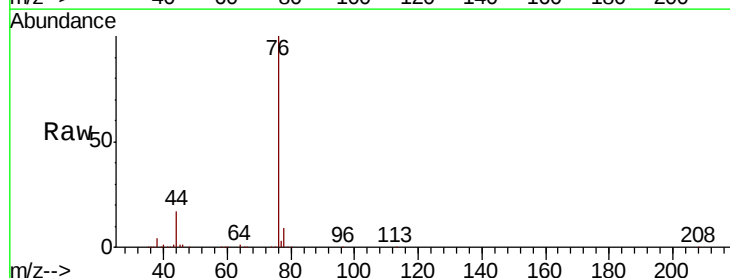
Acq: 07 May 2019 13:11

Tgt Ion: 76 Resp: 605807

Ion Ratio Lower Upper

76 100

78 8.8 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.38

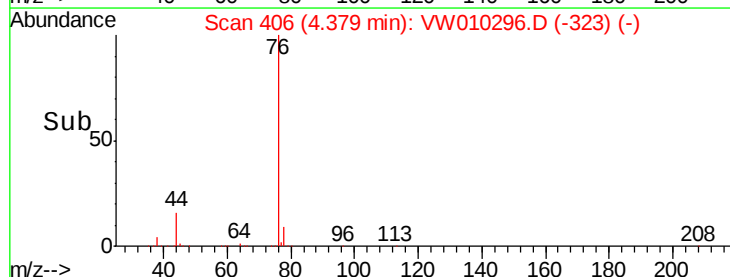
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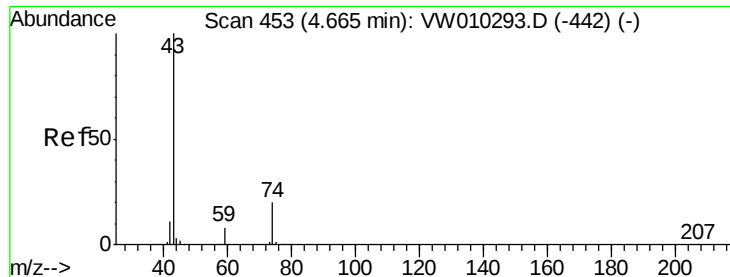
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50000

0

Time--> 4.20 4.30 4.40 4.50

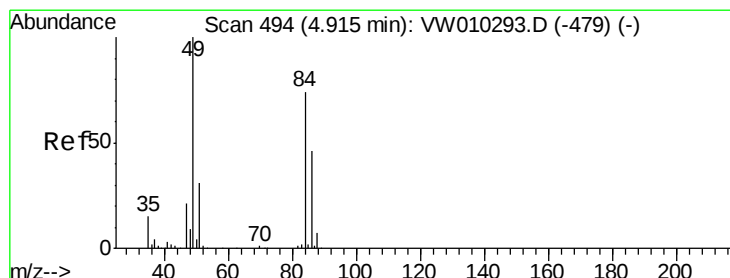
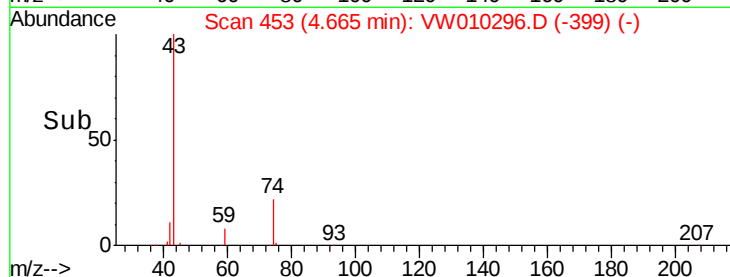
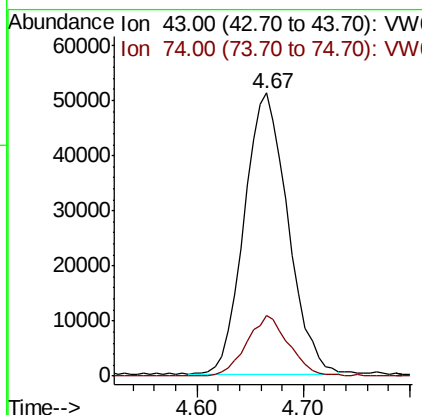
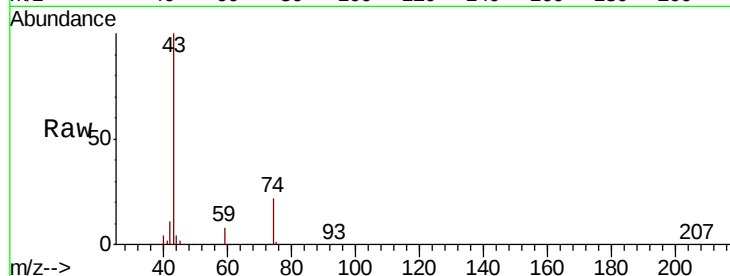




#15
Methyl Acetate
Concen: 23.908 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW010296.D
Acq: 07 May 2019 13:11

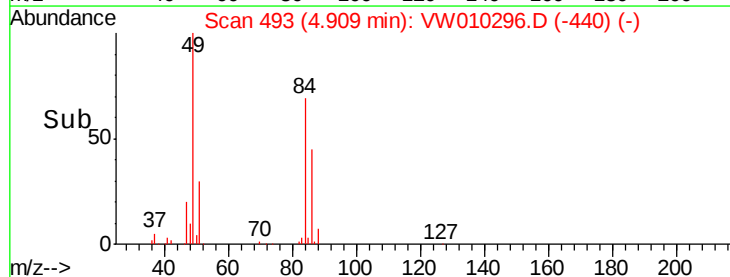
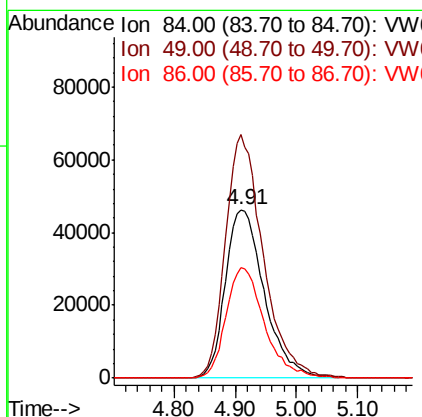
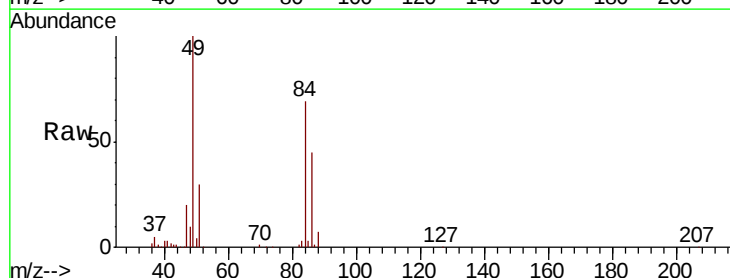
Instrument :
MSVOA_W
ClientSampled :
VICV09

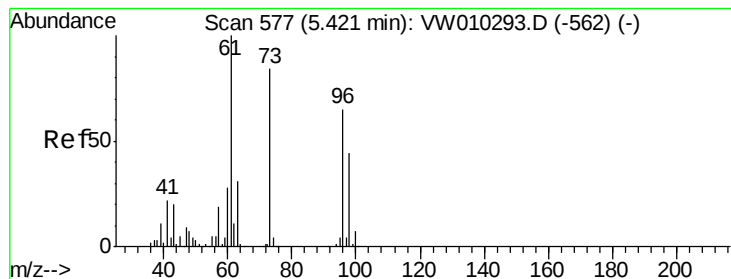
Tgt Ion: 43 Resp: 147153
Ion Ratio Lower Upper
43 100
74 20.7 16.1 24.1



#16
Methylene chloride
Concen: 24.119 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010296.D
Acq: 07 May 2019 13:11

Tgt Ion: 84 Resp: 204080
Ion Ratio Lower Upper
84 100
49 144.4 94.4 175.4
86 65.4 43.8 81.4





#17

Methyl tert-butyl Ether

Concen: 25.465 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW010296.D

Acq: 07 May 2019 13:11

Instrument :

MSVOA_W

ClientSampled :

VICV09

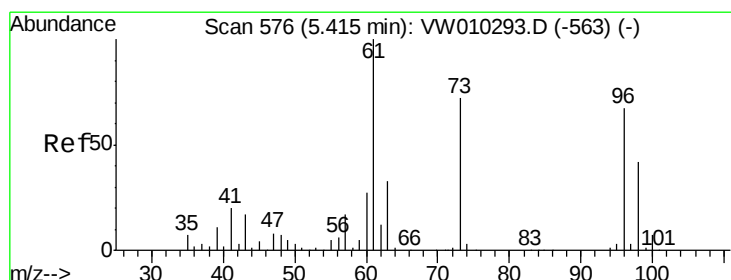
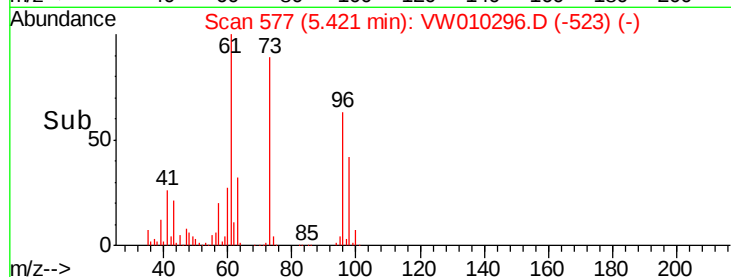
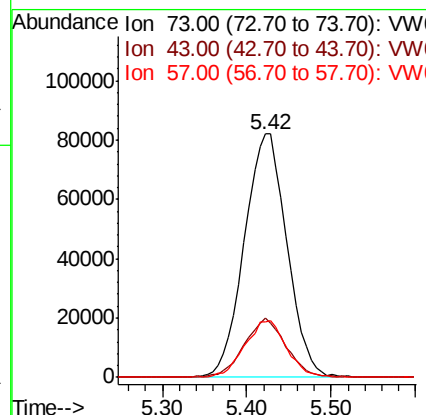
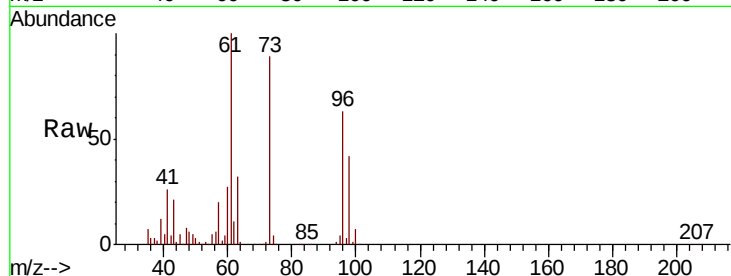
Tgt Ion: 73 Resp: 283201

Ion Ratio Lower Upper

73 100

43 23.4 19.5 29.3

57 22.8 18.9 28.3



#18

trans-1,2-Dichloroethene

Concen: 24.169 ug/L

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW010296.D

Acq: 07 May 2019 13:11

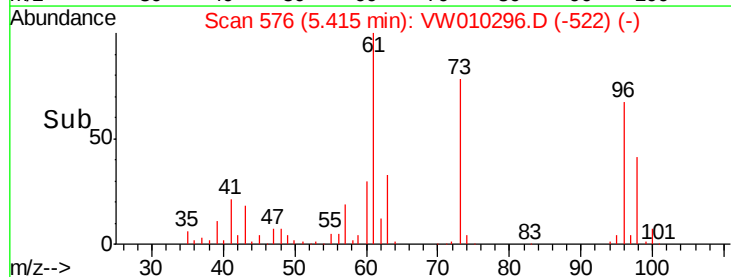
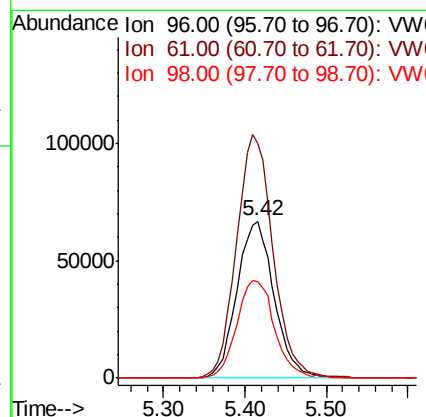
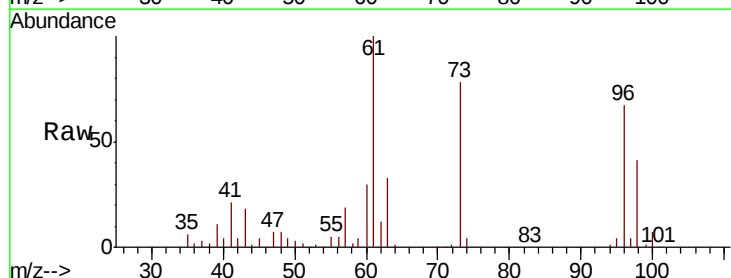
Tgt Ion: 96 Resp: 211546

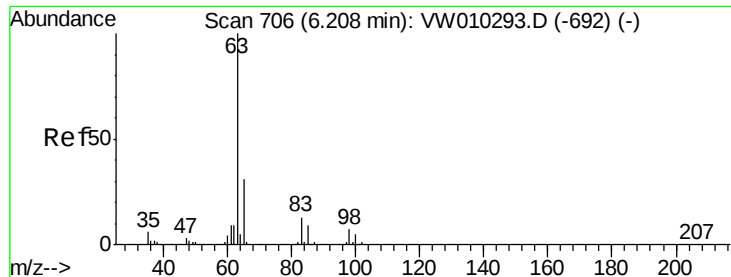
Ion Ratio Lower Upper

96 100

61 149.3 103.7 192.7

98 61.6 43.6 81.0





#19

1,1-Dichloroethane

Concen: 24.434 ug/L

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW010296.D

Acq: 07 May 2019 13:11

Instrument :

MSVOA_W

ClientSampleId :

VICV09

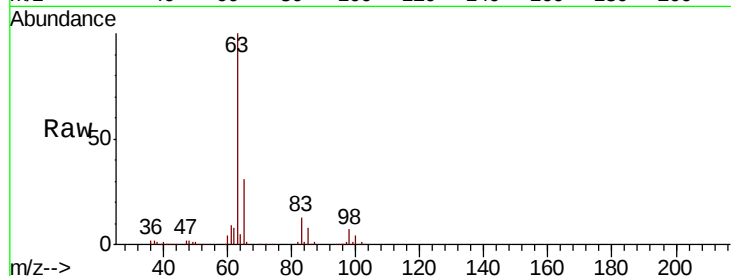
Tgt Ion: 63 Resp: 409949

Ion Ratio Lower Upper

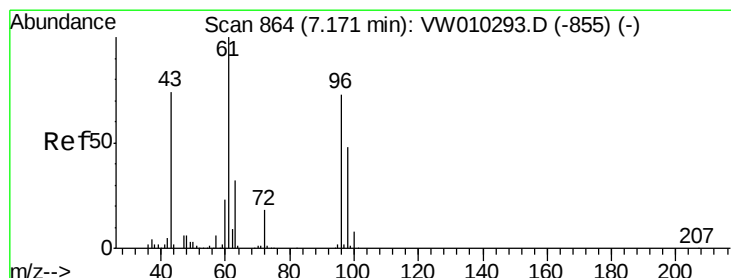
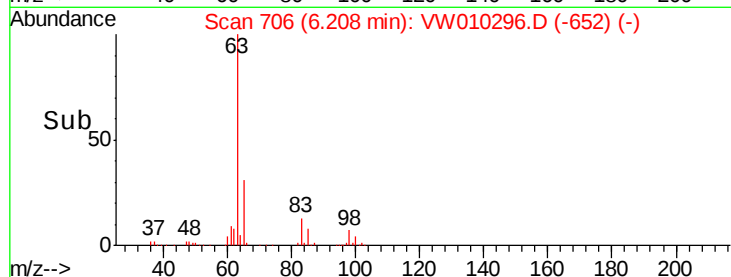
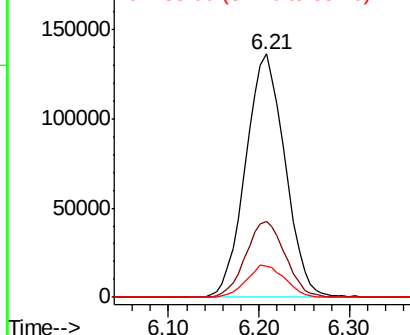
63 100

65 31.3 21.8 40.4

83 12.8 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 50.125 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010296.D

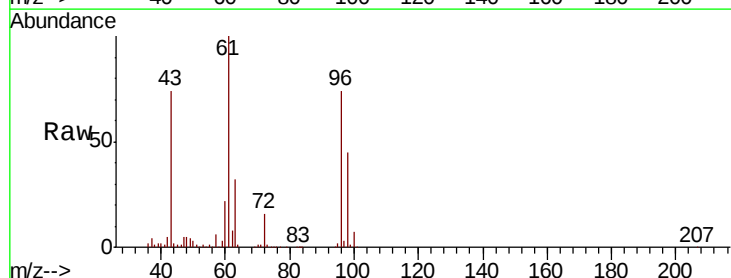
Acq: 07 May 2019 13:11

Tgt Ion: 43 Resp: 206868

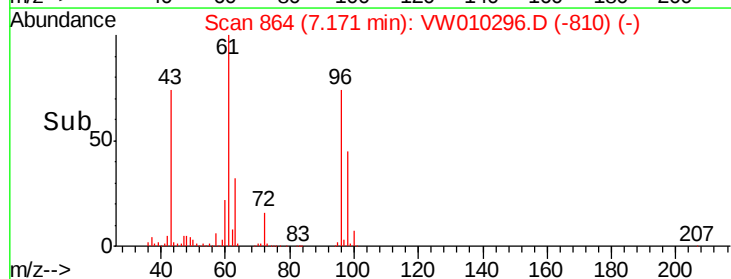
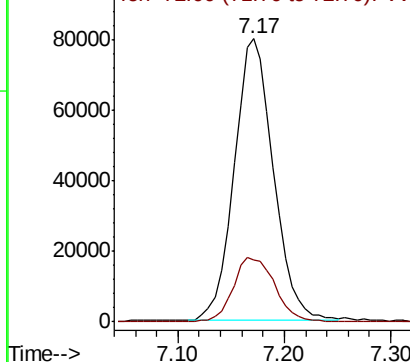
Ion Ratio Lower Upper

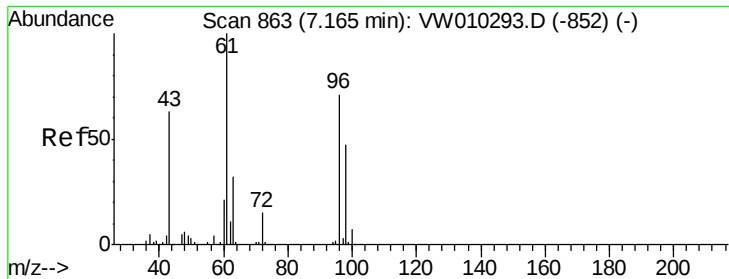
43 100

72 24.2 11.7 35.1



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



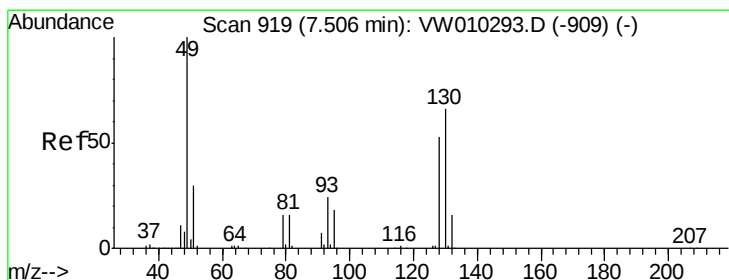
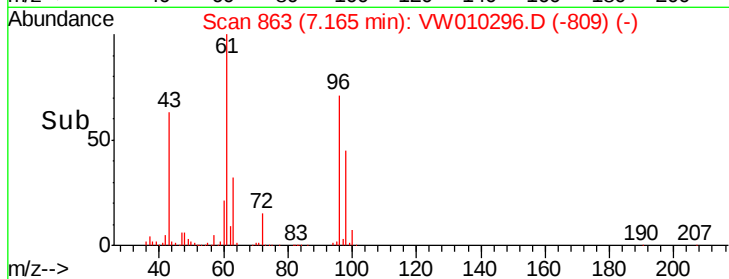
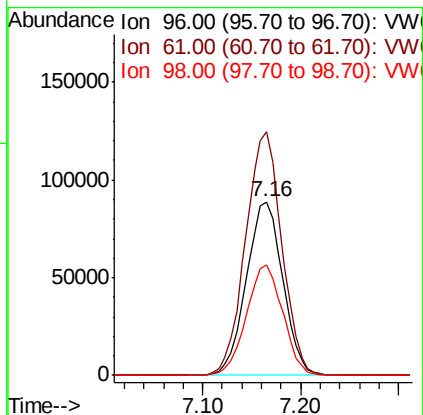
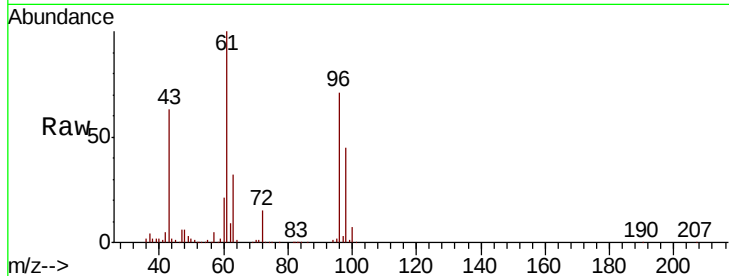


#22

cis-1,2-Dichloroethene
 Concen: 25.451 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW010296.D
 Acq: 07 May 2019 13:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV09

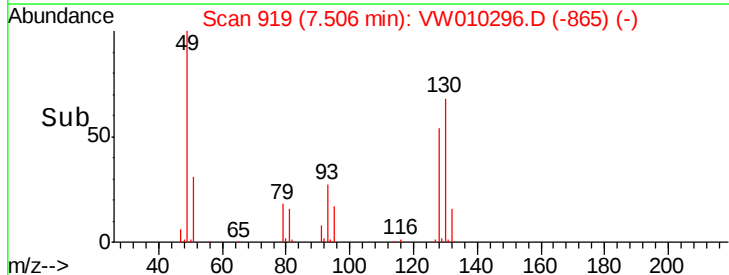
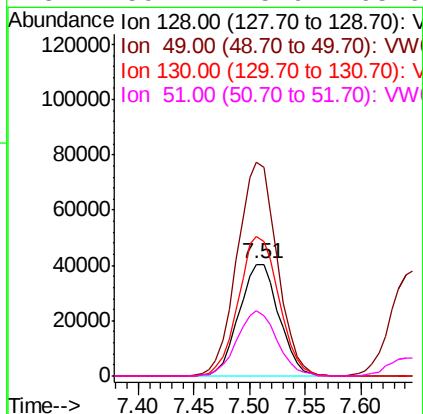
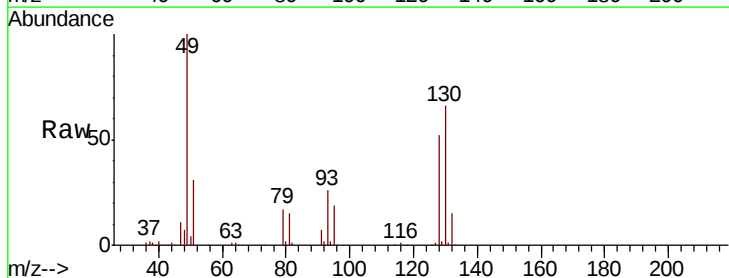
Tgt Ion: 96 Resp: 230034
 Ion Ratio Lower Upper
 96 100
 61 140.5 98.2 182.4
 98 63.7 45.8 85.2

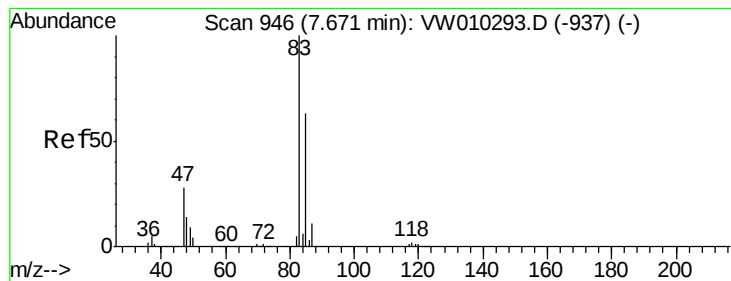


#23

Bromochloromethane
 Concen: 24.830 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW010296.D
 Acq: 07 May 2019 13:11

Tgt Ion: 128 Resp: 100689
 Ion Ratio Lower Upper
 128 100
 49 191.6 132.5 246.1
 130 125.5 86.7 161.1
 51 59.1 45.9 68.9





#25

Chloroform

Concen: 24.739 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW010296.D

Acq: 07 May 2019 13:11

Instrument :

MSVOA_W

ClientSampleId :

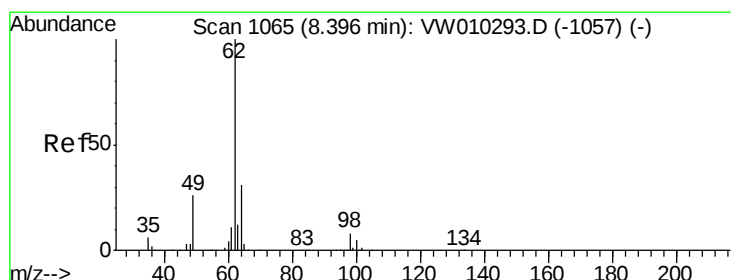
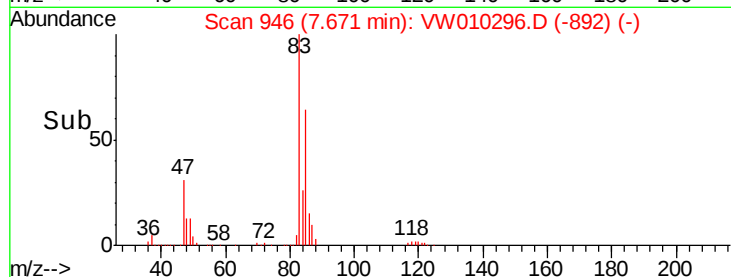
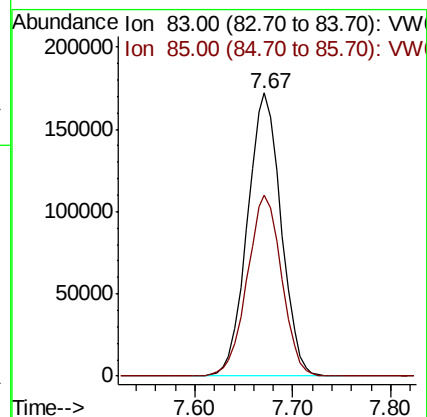
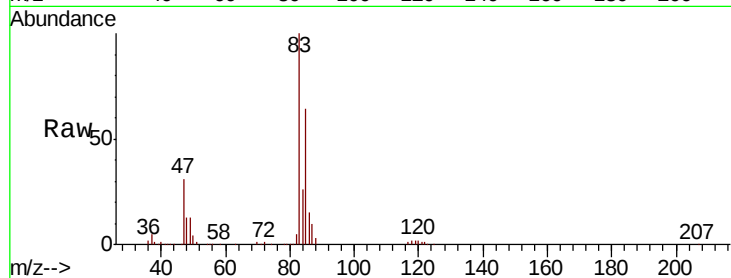
VICV09

Tgt Ion: 83 Resp: 409885

Ion Ratio Lower Upper

83 100

85 65.6 45.8 85.0



#27

1,2-Dichloroethane

Concen: 24.514 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW010296.D

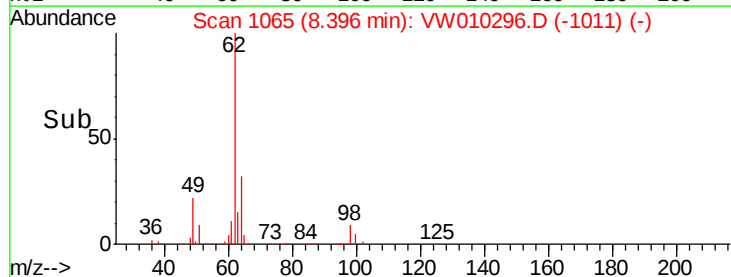
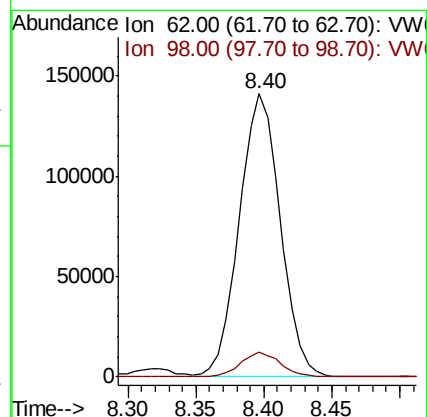
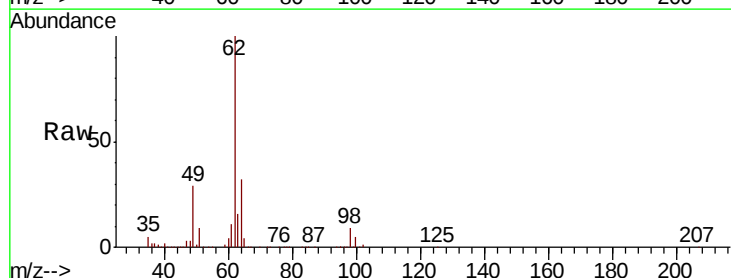
Acq: 07 May 2019 13:11

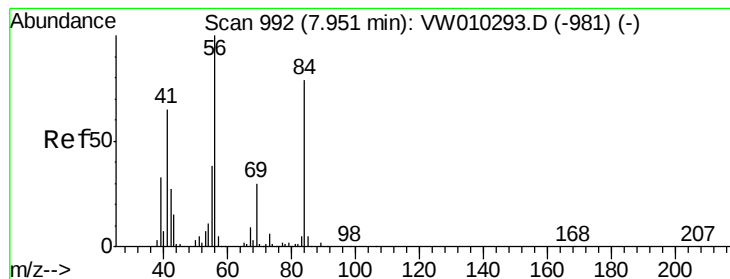
Tgt Ion: 62 Resp: 298082

Ion Ratio Lower Upper

62 100

98 8.9 6.2 9.4





#30

Cyclohexane

Concen: 25.136 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010296.D

Acq: 07 May 2019 13:11

Instrument :

MSVOA_W

ClientSampled :

VICV09

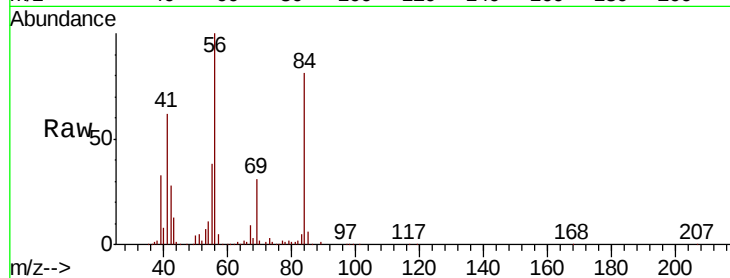
Tgt Ion: 56 Resp: 380665

Ion Ratio Lower Upper

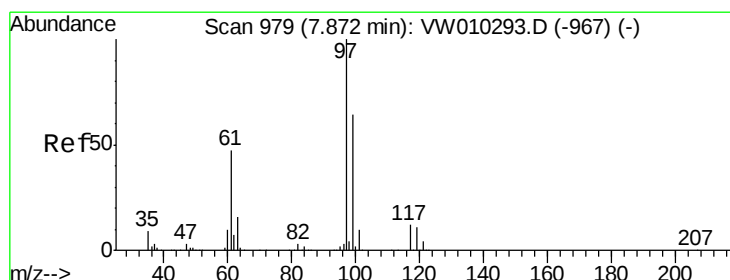
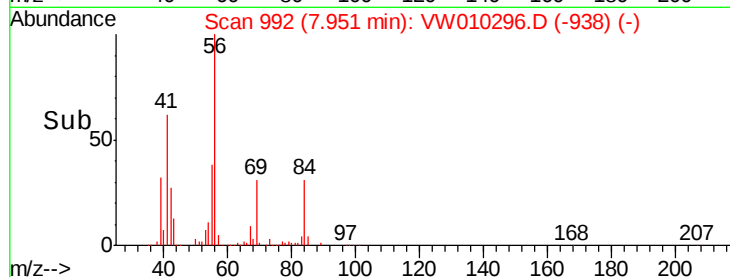
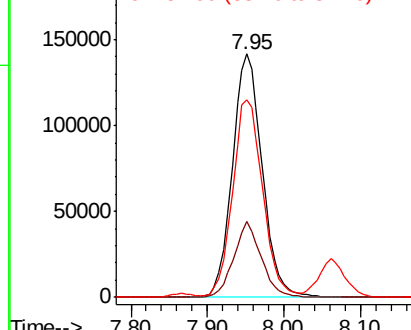
56 100

69 28.7 23.6 35.4

84 82.1 65.8 98.8



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: 23.656 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW010296.D

Acq: 07 May 2019 13:11

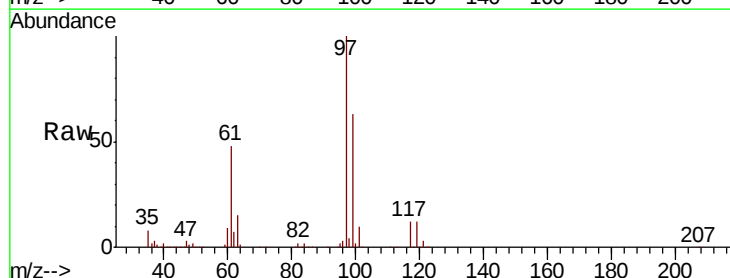
Tgt Ion: 97 Resp: 315526

Ion Ratio Lower Upper

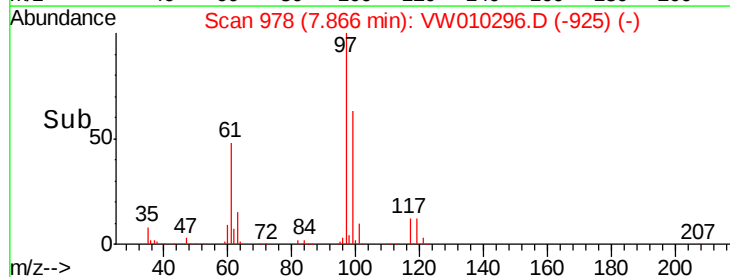
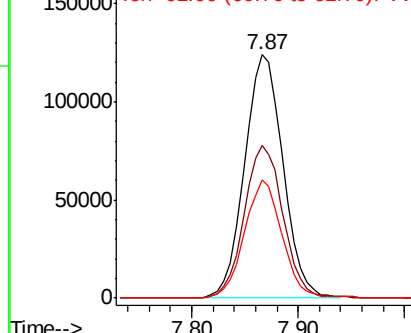
97 100

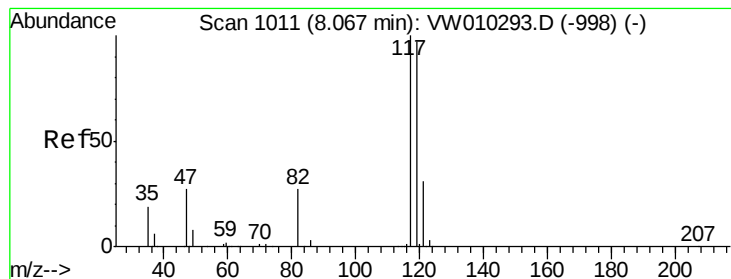
99 63.5 51.8 77.6

61 47.6 39.3 58.9



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: 23.822 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW010296.D

Acq: 07 May 2019 13:11

Instrument :

MSVOA_W

ClientSampled :

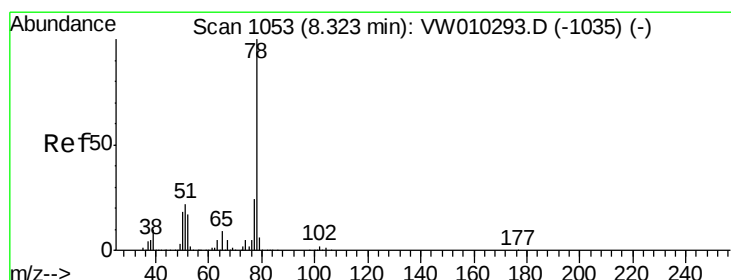
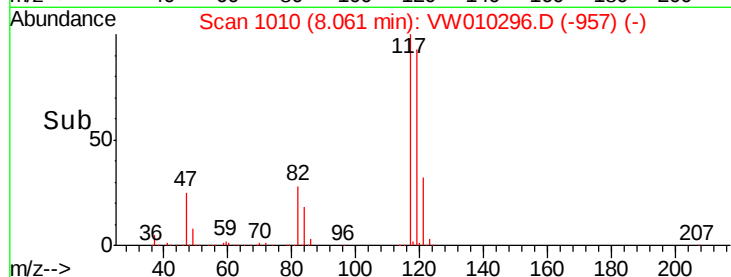
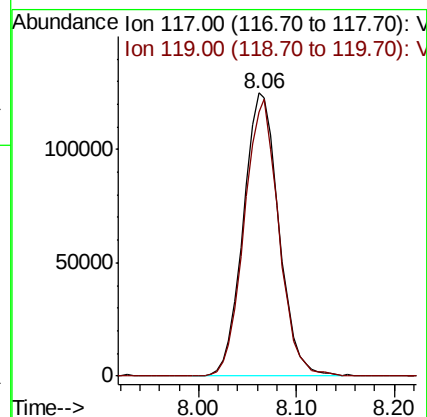
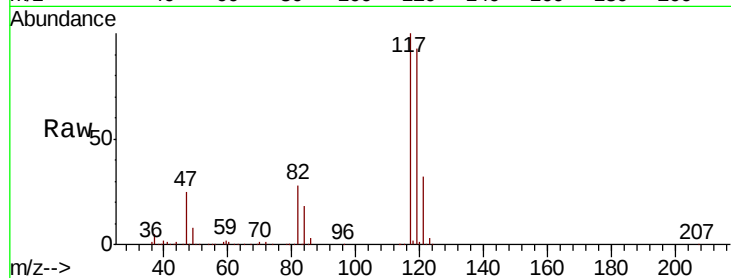
VICV09

Tgt Ion:117 Resp: 315805

Ion Ratio Lower Upper

117 100

119 95.4 76.6 114.8



#34

Benzene

Concen: 25.300 ug/L

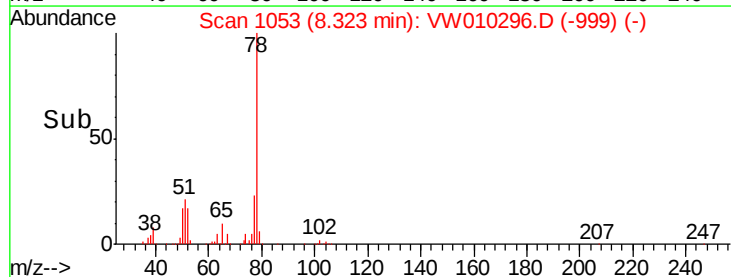
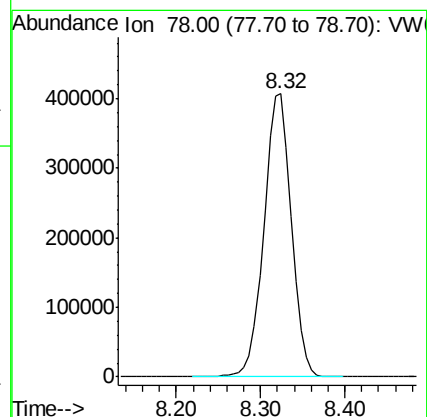
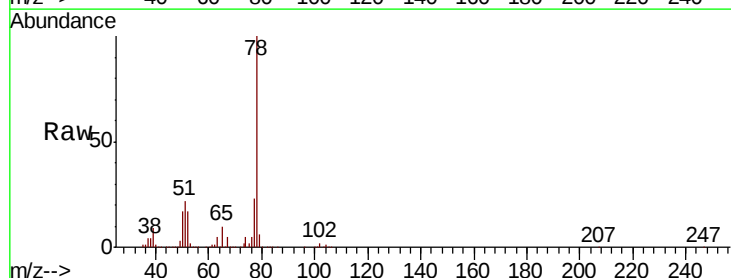
RT: 8.32 min Scan# 1053

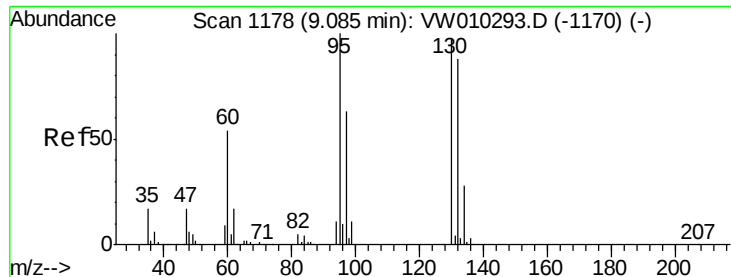
Delta R.T. 0.00 min

Lab File: VW010296.D

Acq: 07 May 2019 13:11

Tgt Ion: 78 Resp: 909509

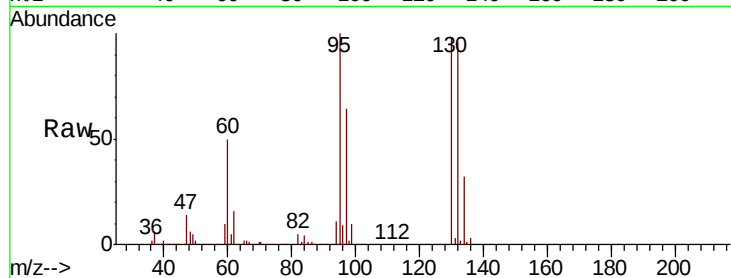




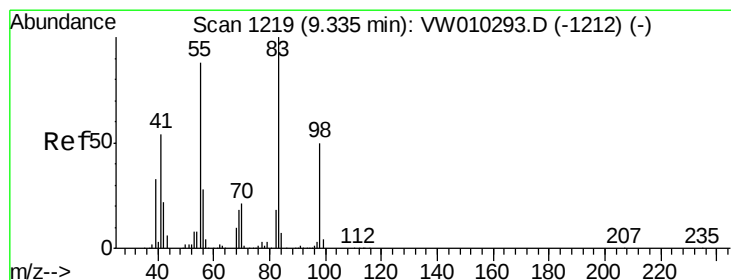
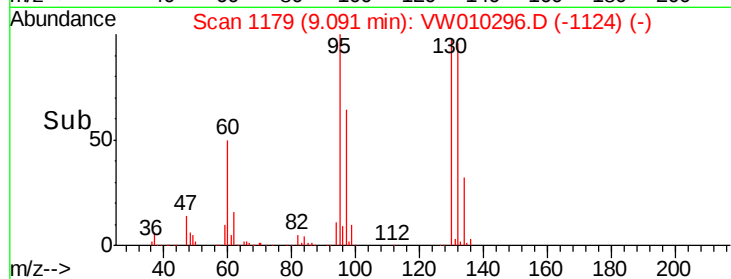
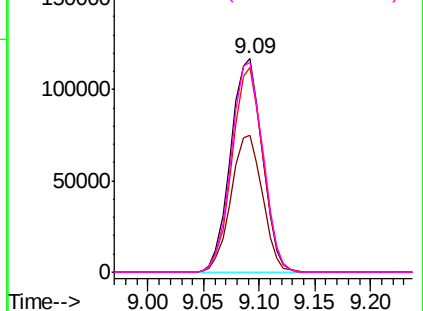
#35
 Trichloroethene
 Concen: 24.311 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: VW010296.D
 Acq: 07 May 2019 13:11

Instrument :
 MSVOA_W
 ClientSampled :
 VICV09

Tgt Ion:	95	Resp:	230923
Ion	Ratio	Lower	Upper
95	100		
97	63.8	44.8	83.2
132	93.6	64.7	120.1
130	98.2	68.3	126.9

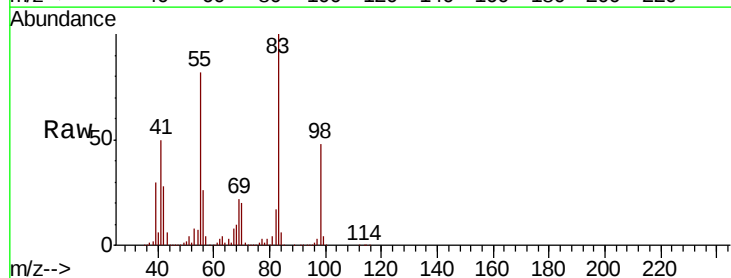


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

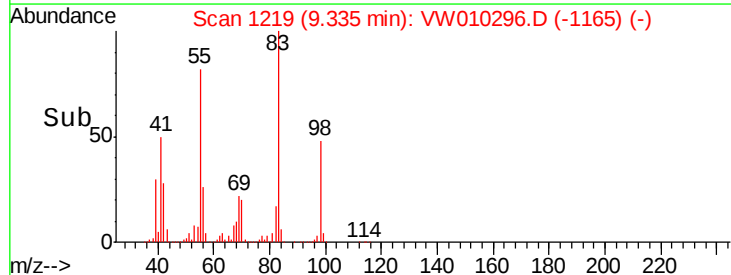
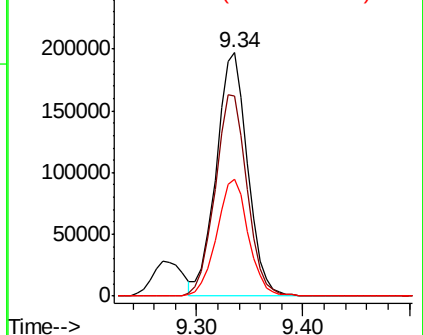


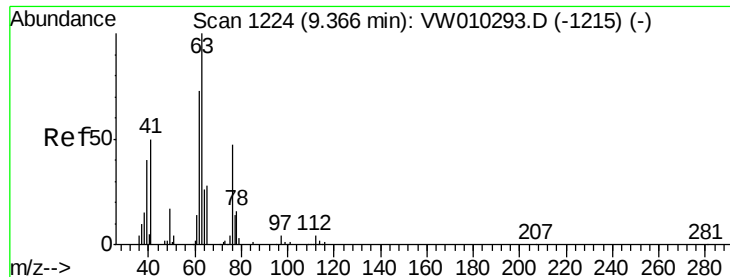
#36
 Methylcyclohexane
 Concen: 25.169 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW010296.D
 Acq: 07 May 2019 13:11

Tgt Ion:	83	Resp:	403828
Ion	Ratio	Lower	Upper
83	100		
55	84.2	67.2	100.8
98	48.3	38.7	58.1



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





#40

1,2-Dichloropropane

Concen: 24.996 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW010296.D

Acq: 07 May 2019 13:11

Instrument :

MSVOA_W

ClientSampled :

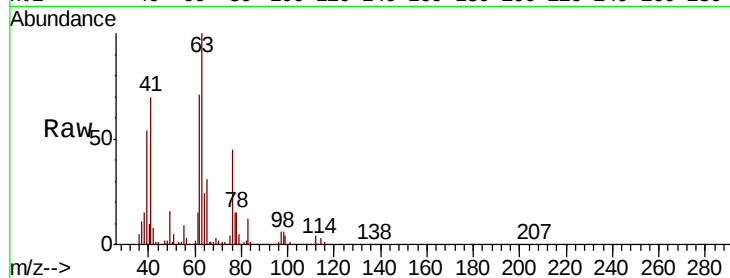
VICV09

Tgt Ion: 63 Resp: 229309

Ion Ratio Lower Upper

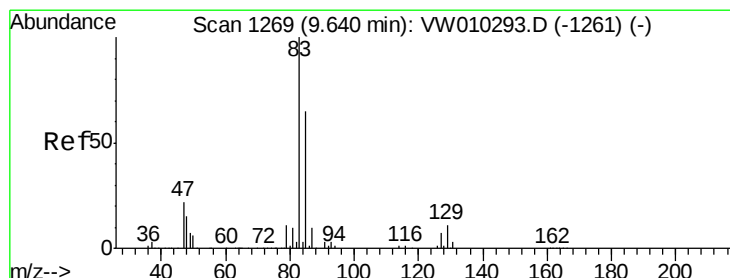
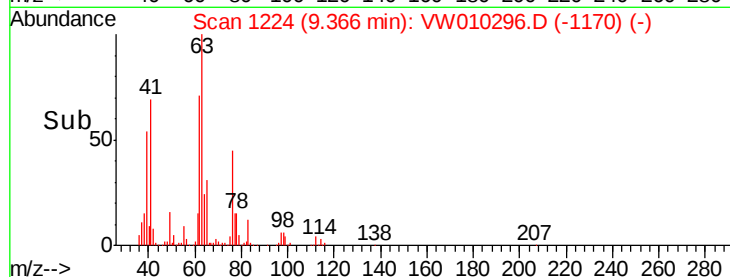
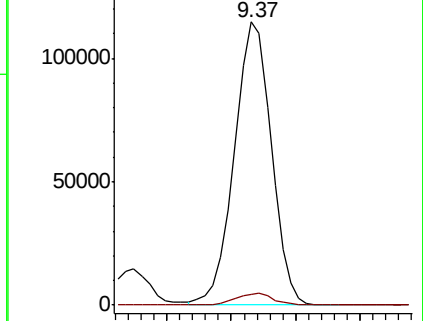
63 100

112 4.2 3.2 4.8



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 24.935 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW010296.D

Acq: 07 May 2019 13:11

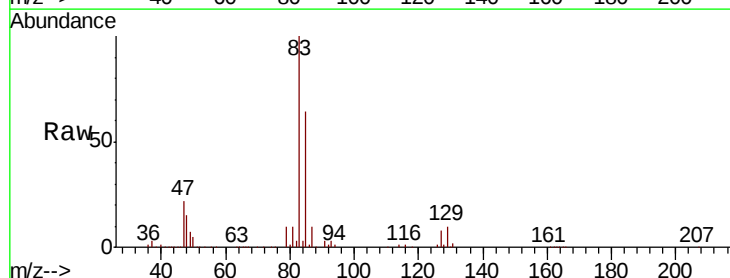
Tgt Ion: 83 Resp: 296006

Ion Ratio Lower Upper

83 100

85 63.7 45.5 84.5

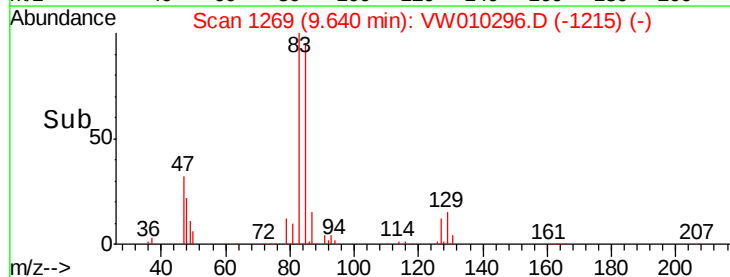
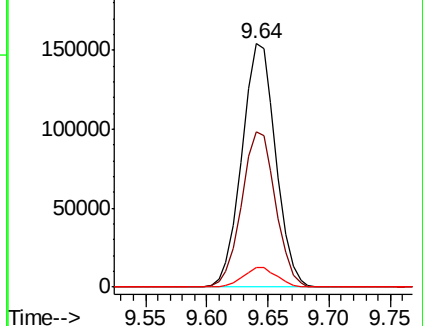
127 8.0 5.6 8.4

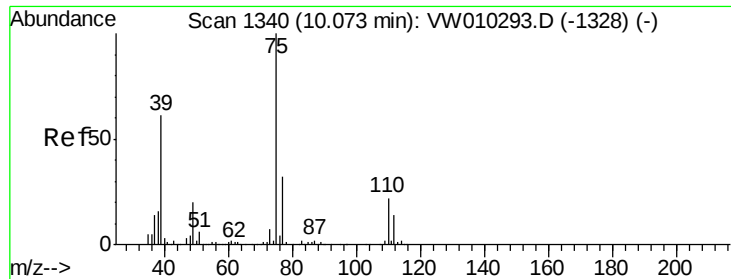


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 25.482 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010296.D

Acq: 07 May 2019 13:11

Instrument :

MSVOA_W

ClientSampled :

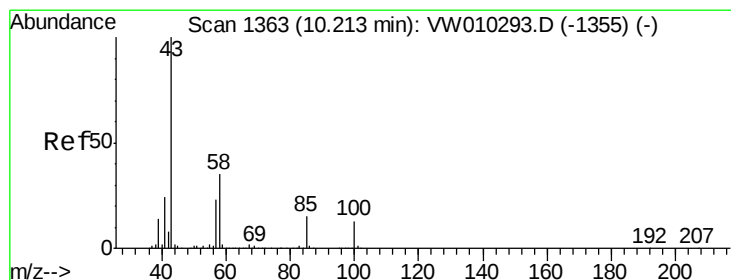
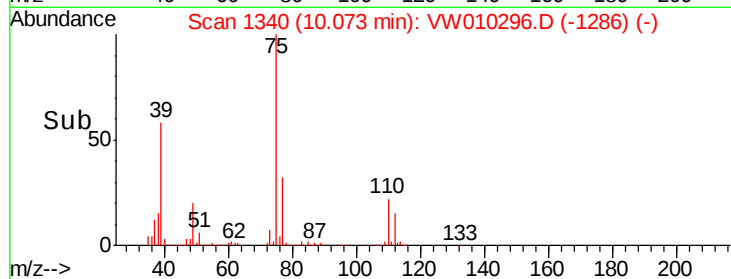
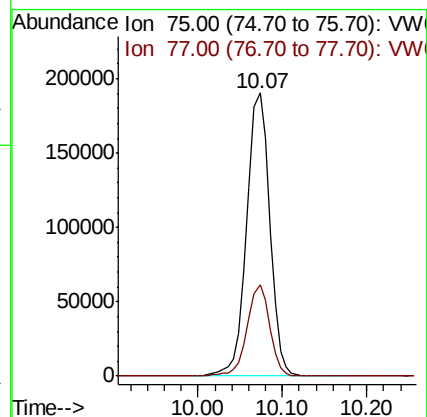
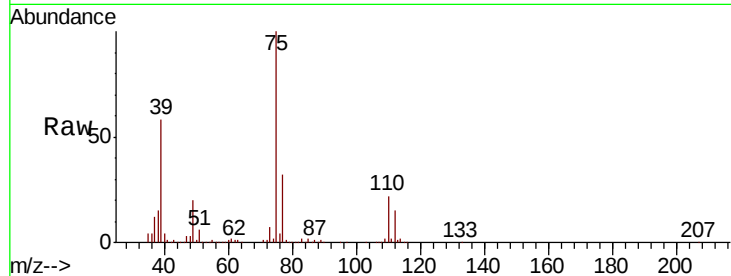
VICV09

Tgt Ion: 75 Resp: 349799

Ion Ratio Lower Upper

75 100

77 32.4 22.5 41.7



#43

4-Methyl-2-pentanone

Concen: 50.932 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW010296.D

Acq: 07 May 2019 13:11

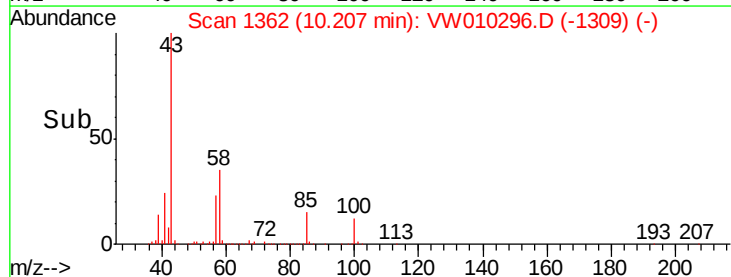
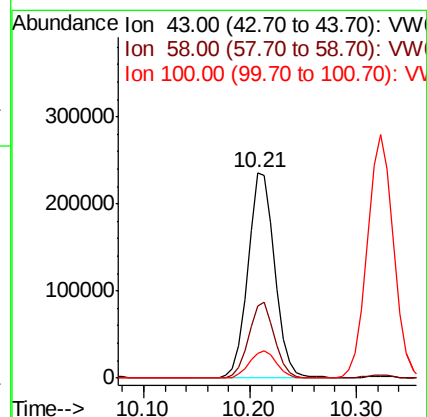
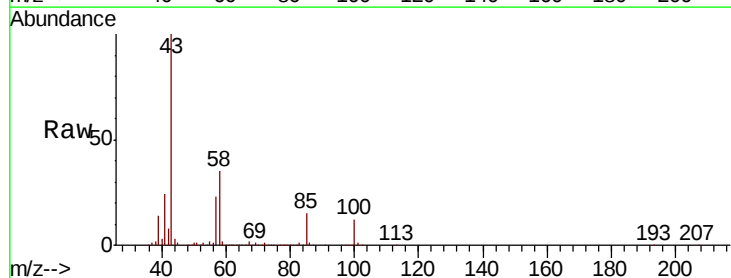
Tgt Ion: 43 Resp: 416239

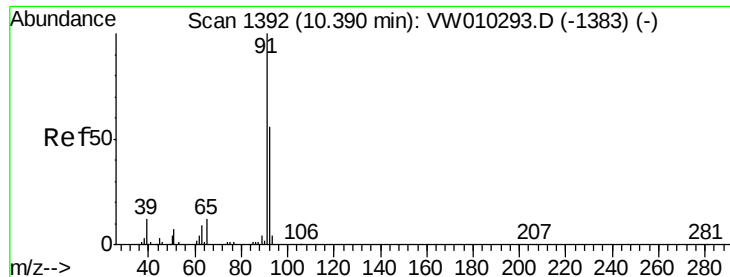
Ion Ratio Lower Upper

43 100

58 35.7 28.3 42.5

100 13.4 10.5 15.7





#44

Toluene

Concen: 25.476 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010296.D

Acq: 07 May 2019 13:11

Instrument :

MSVOA_W

ClientSampleId :

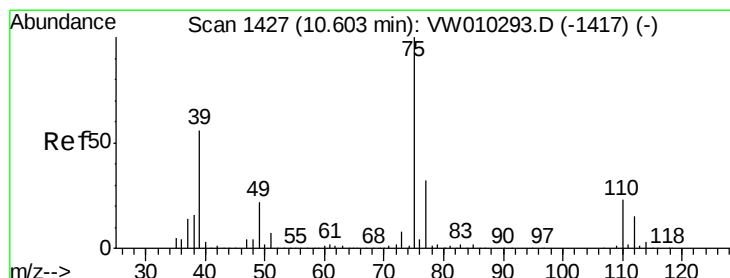
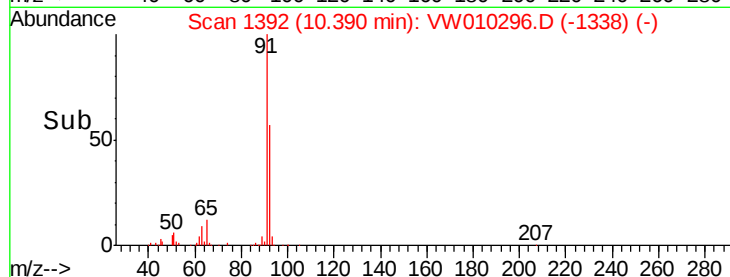
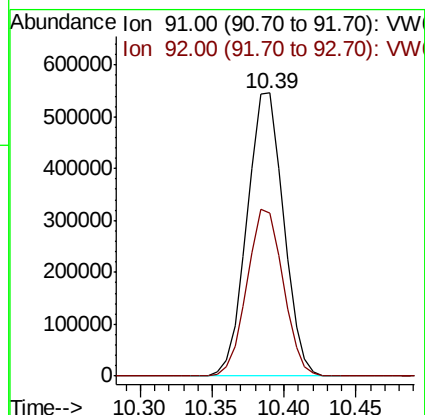
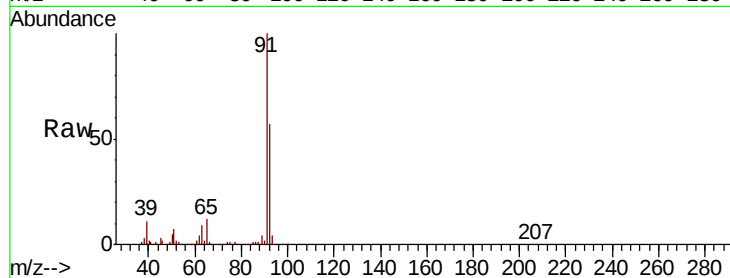
VICV09

Tgt Ion: 91 Resp: 959213

Ion Ratio Lower Upper

91 100

92 57.5 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 25.377 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010296.D

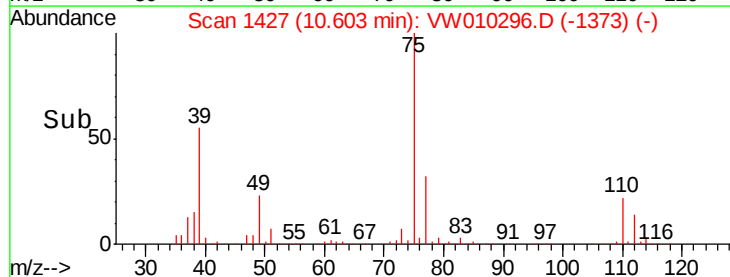
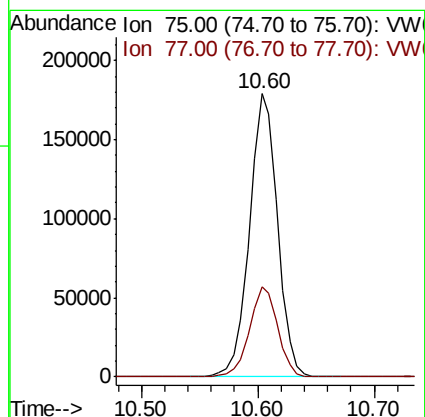
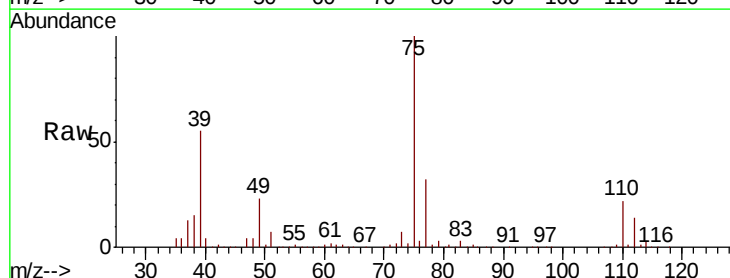
Acq: 07 May 2019 13:11

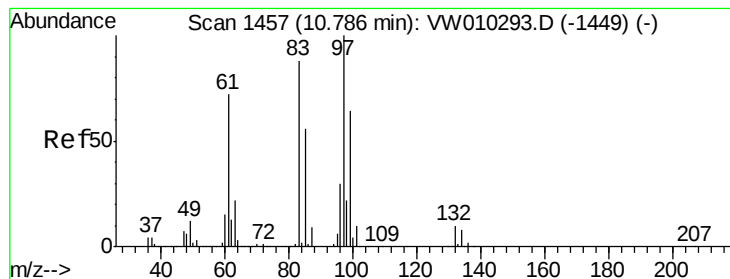
Tgt Ion: 75 Resp: 300375

Ion Ratio Lower Upper

75 100

77 32.0 22.1 41.1





#46

1,1,2-Trichloroethane

Concen: 24.397 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW010296.D

Acq: 07 May 2019 13:11

Instrument :

MSVOA_W

ClientSampleId :

VICV09

Tgt Ion: 97 Resp: 167164

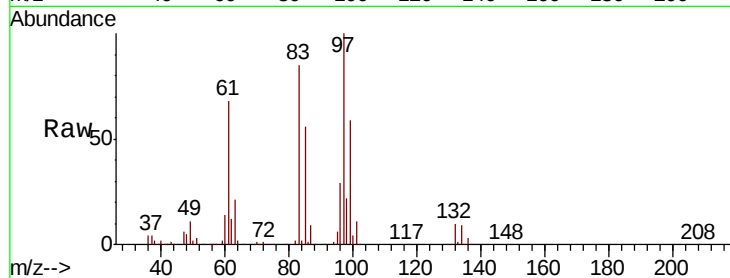
Ion Ratio Lower Upper

97 100

83 85.3 61.2 113.8

85 55.5 39.3 72.9

99 59.2 44.7 82.9

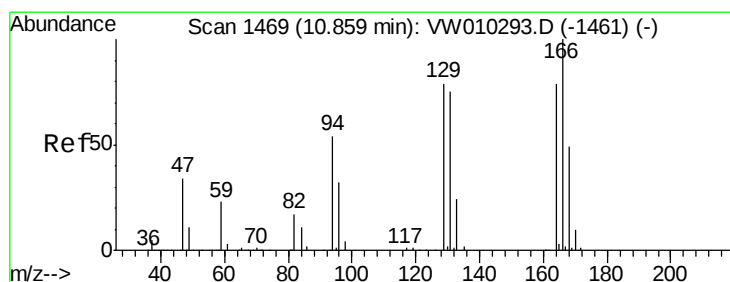
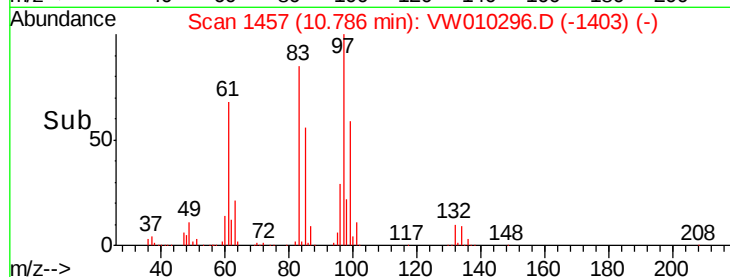
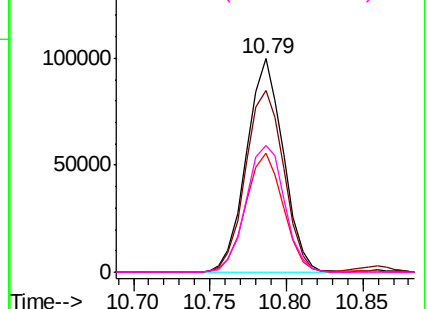


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 24.432 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW010296.D

Acq: 07 May 2019 13:11

Tgt Ion: 164 Resp: 175471

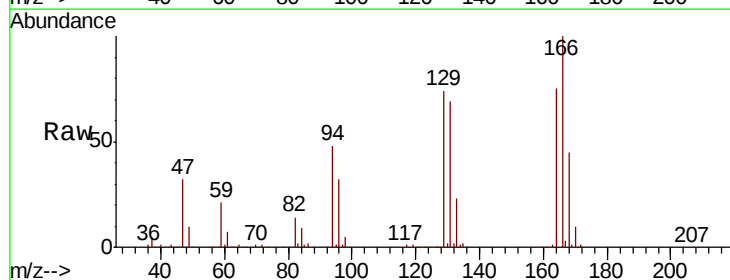
Ion Ratio Lower Upper

164 100

129 98.2 70.1 130.3

131 91.8 66.2 123.0

166 133.0 88.8 164.8

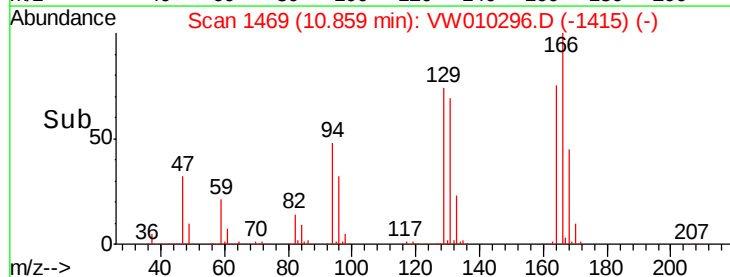
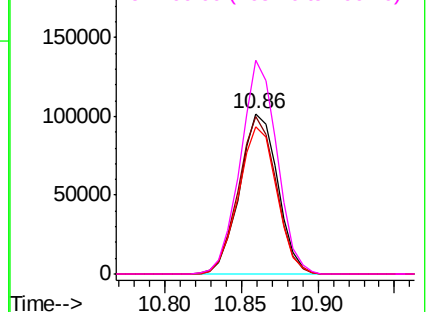


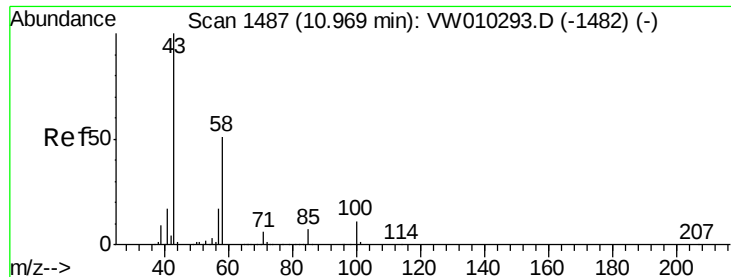
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

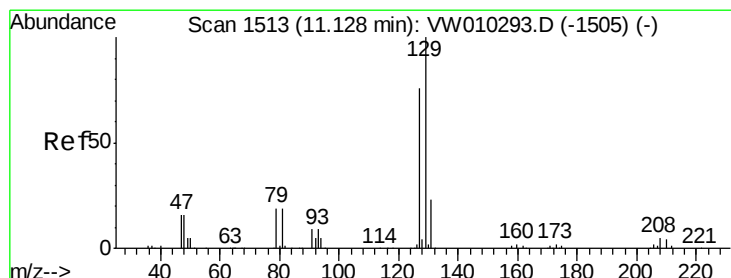
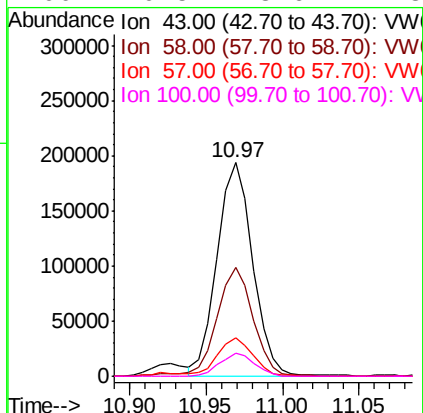
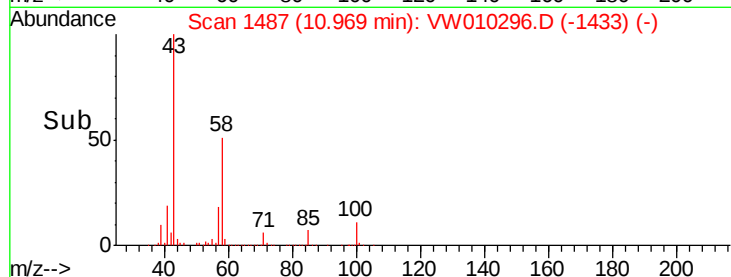
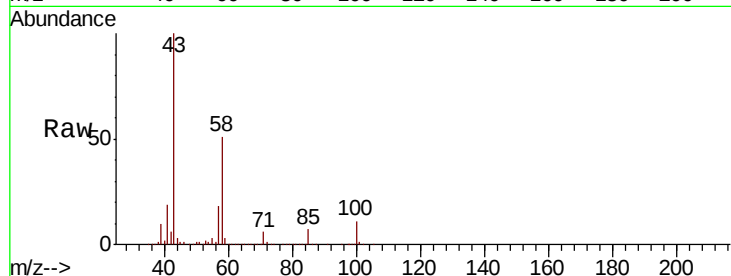




#49
2-Hexanone
Concen: 50.720 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010296.D
Acq: 07 May 2019 13:11

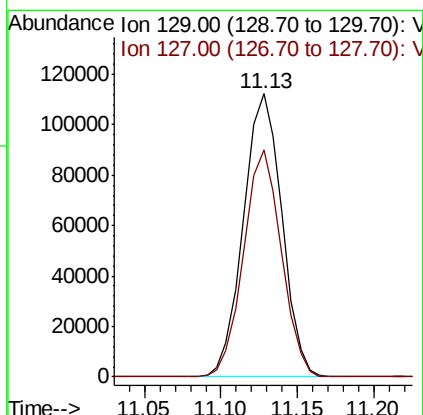
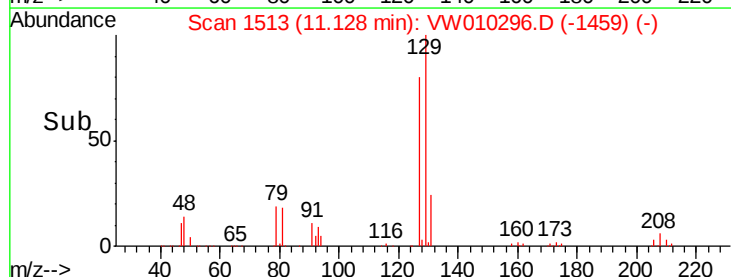
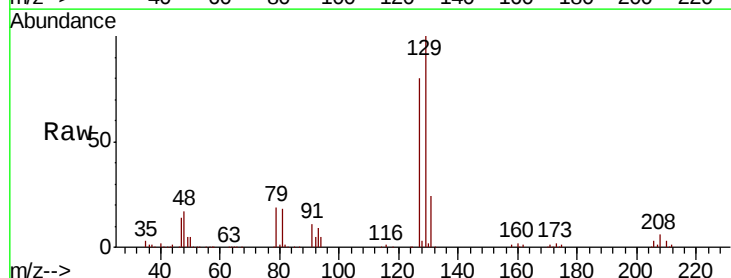
Instrument :
MSVOA_W
ClientSampleId :
VICV09

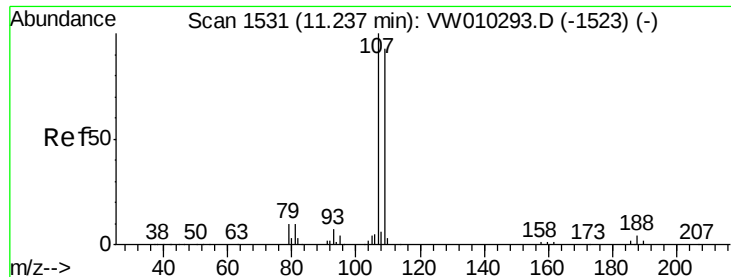
Tgt Ion: 43 Resp: 314347
Ion Ratio Lower Upper
43 100
58 49.7 39.2 58.8
57 17.6 14.1 21.1
100 10.5 8.6 12.8



#50
Dibromochloromethane
Concen: 24.972 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010296.D
Acq: 07 May 2019 13:11

Tgt Ion: 129 Resp: 196828
Ion Ratio Lower Upper
129 100
127 80.4 53.3 99.1

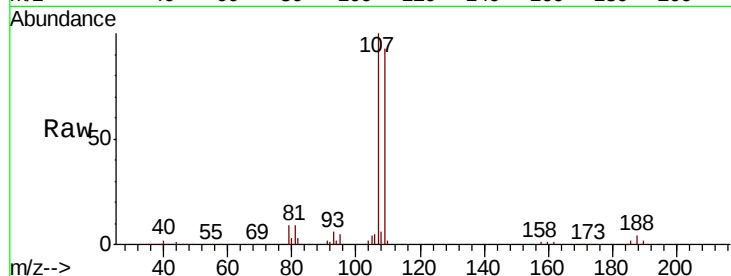




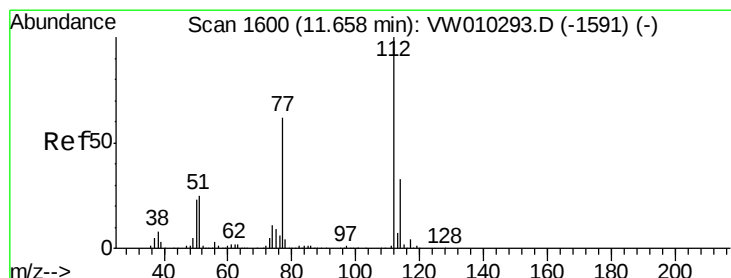
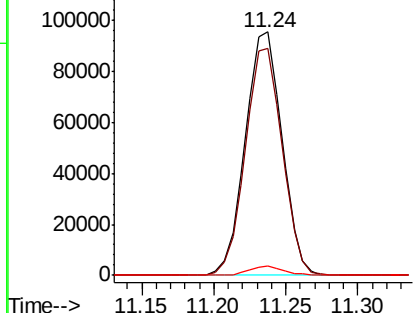
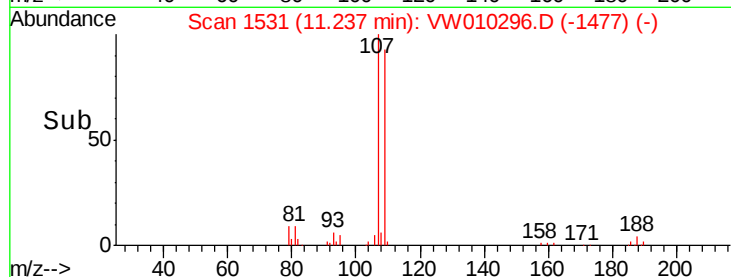
#51
 1,2-Dibromoethane
 Concen: 24.958 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW010296.D
 Acq: 07 May 2019 13:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV09

Tgt Ion:107 Resp: 168445
 Ion Ratio Lower Upper
 107 100
 109 93.2 65.3 121.3
 188 3.9 2.8 4.2

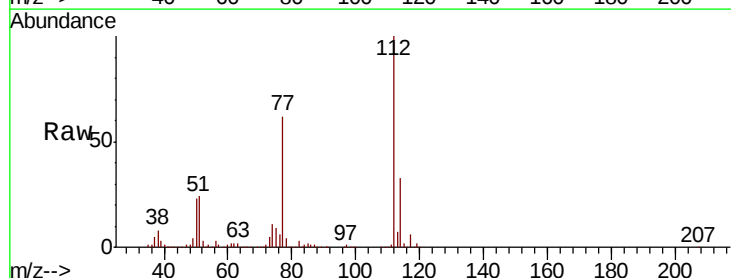


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

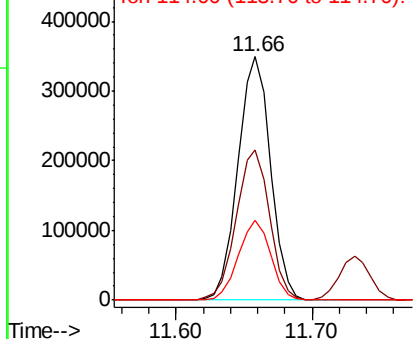
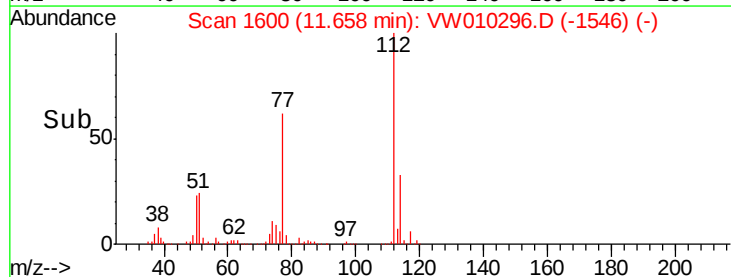


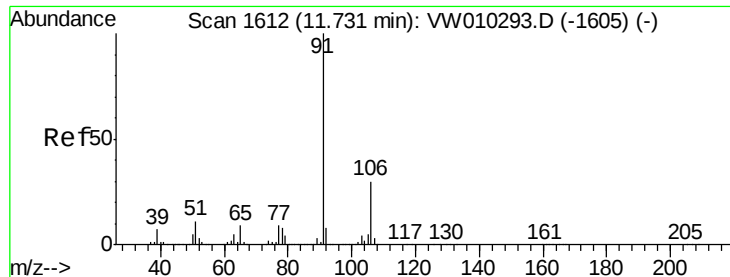
#52
 Chlorobenzene
 Concen: 24.894 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW010296.D
 Acq: 07 May 2019 13:11

Tgt Ion:112 Resp: 585507
 Ion Ratio Lower Upper
 112 100
 77 61.6 49.3 73.9
 114 32.7 22.9 42.5



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

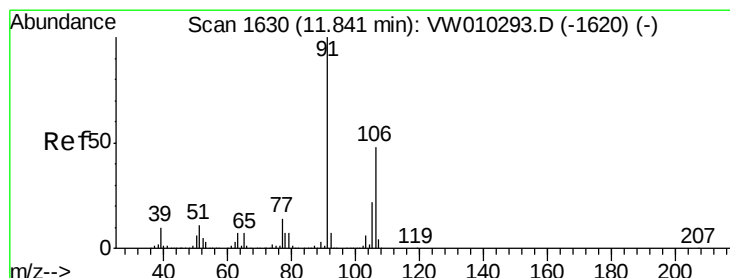
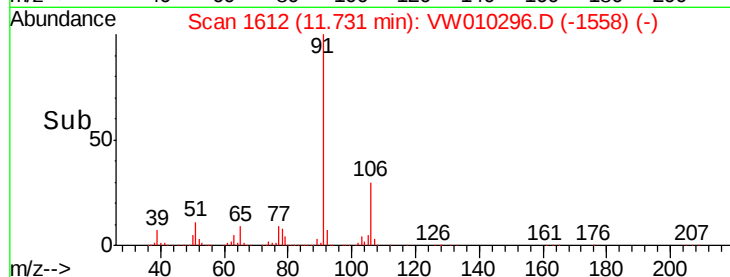
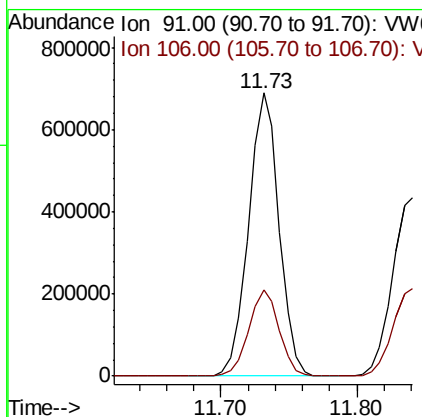
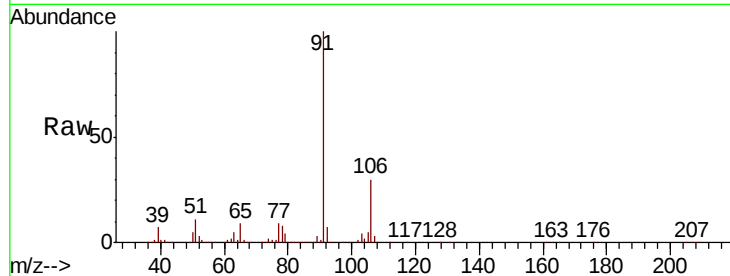




#53
Ethylbenzene
Concen: 25.683 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010296.D
Acq: 07 May 2019 13:11

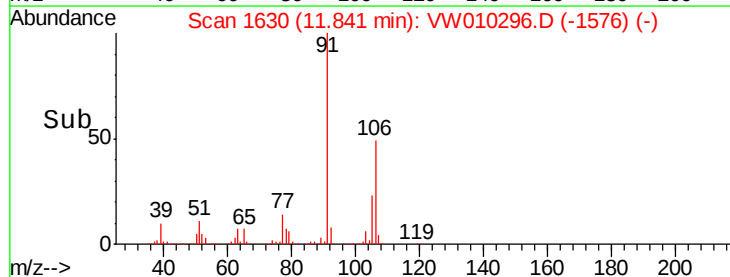
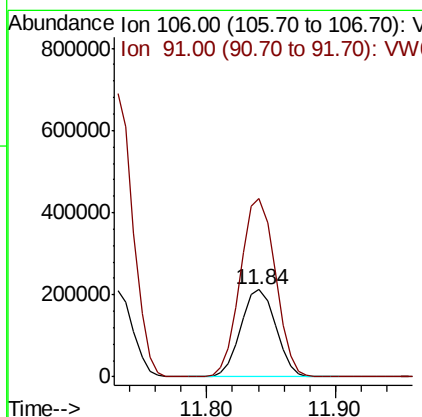
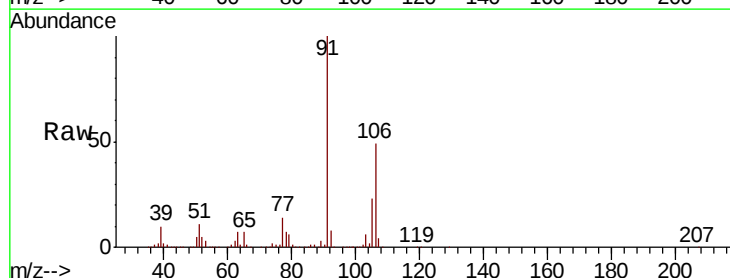
Instrument :
MSVOA_W
ClientSampled :
VICV09

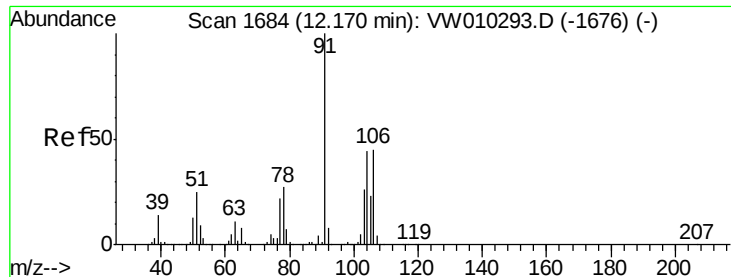
Tgt Ion: 91 Resp: 1079316
Ion Ratio Lower Upper
91 100
106 30.4 21.0 39.0



#54
m,p-Xylene
Concen: 26.288 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010296.D
Acq: 07 May 2019 13:11

Tgt Ion: 106 Resp: 401895
Ion Ratio Lower Upper
106 100
91 205.1 145.5 270.1





#55

o-xylene

Concen: 26.507 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW010296.D

Acq: 07 May 2019 13:11

Instrument :

MSVOA_W

ClientSampled :

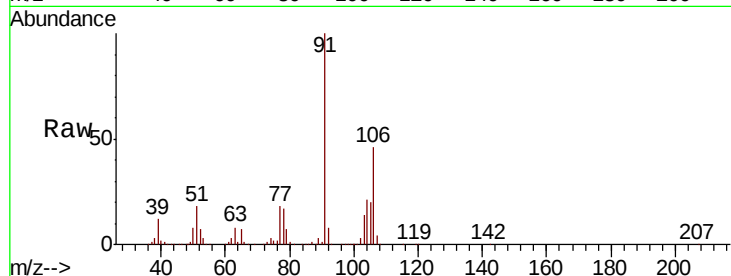
VICV09

Tgt Ion:106 Resp: 377256

Ion Ratio Lower Upper

106 100

91 216.6 154.6 287.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

600000

500000

400000

300000

200000

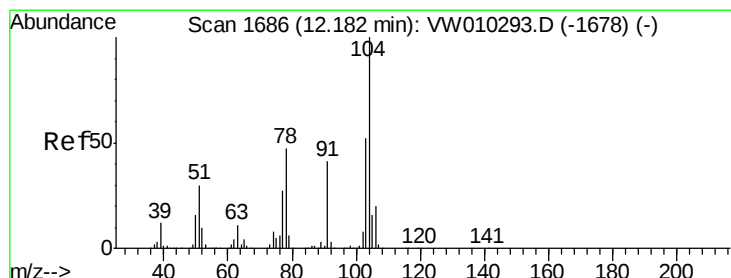
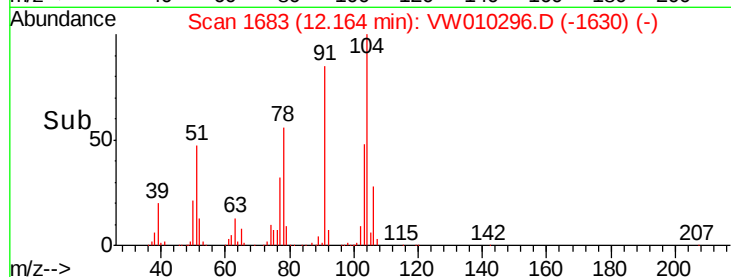
100000

0

12.10

12.20

Time-->



#56

Styrene

Concen: 26.719 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW010296.D

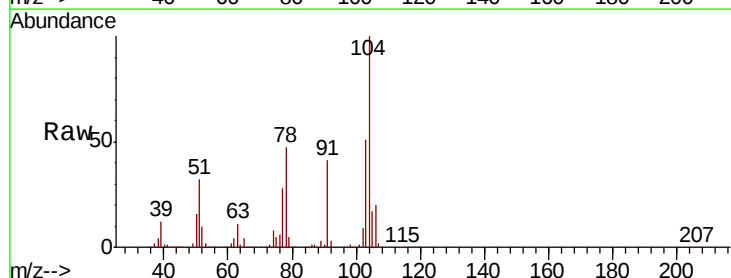
Acq: 07 May 2019 13:11

Tgt Ion:104 Resp: 656190

Ion Ratio Lower Upper

104 100

78 47.3 33.3 61.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

400000

300000

200000

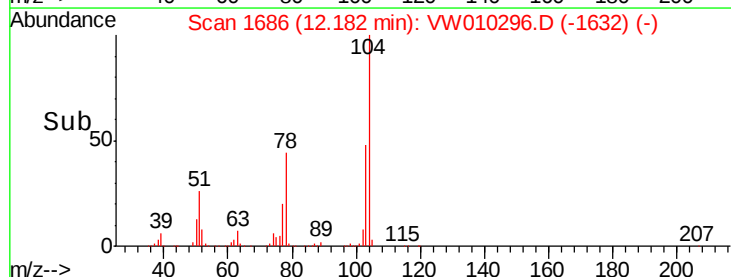
100000

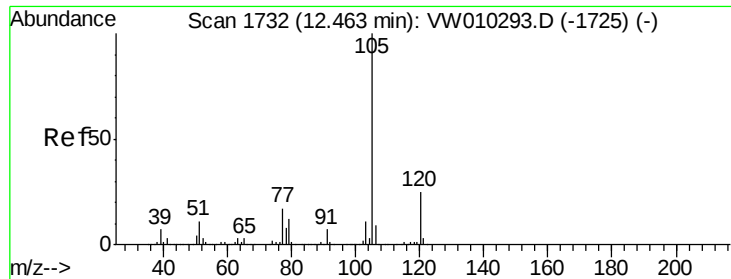
0

12.10

12.20

Time-->





#57

Isopropylbenzene

Concen: 26.196 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW010296.D

Acq: 07 May 2019 13:11

Instrument :

MSVOA_W

ClientSampled :

VICV09

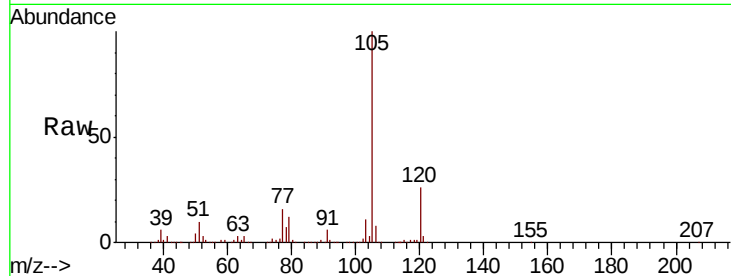
Tgt Ion:105 Resp: 1024585

Ion Ratio Lower Upper

105 100

120 26.0 20.5 30.7

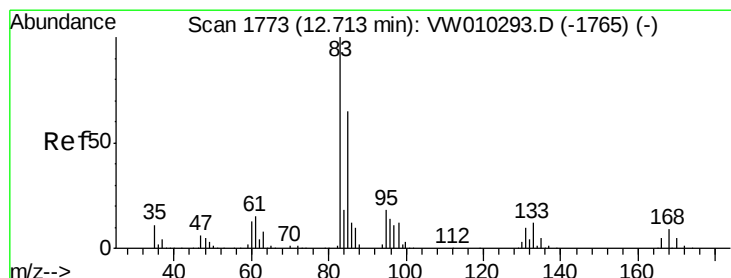
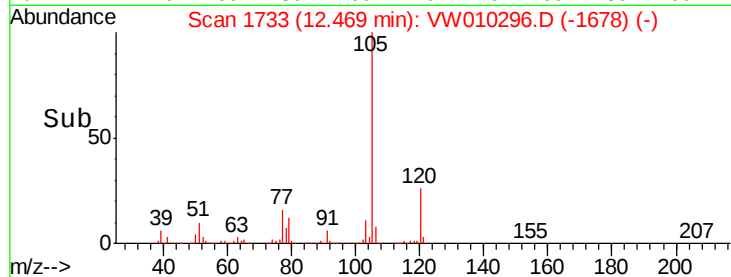
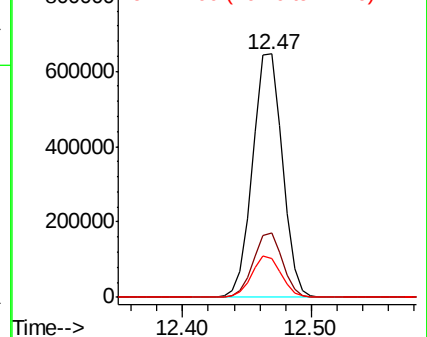
77 16.7 13.5 20.3



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: 24.944 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010296.D

Acq: 07 May 2019 13:11

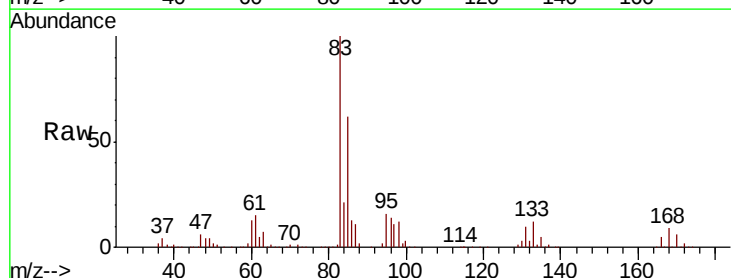
Tgt Ion: 83 Resp: 234902

Ion Ratio Lower Upper

83 100

85 62.3 45.6 84.8

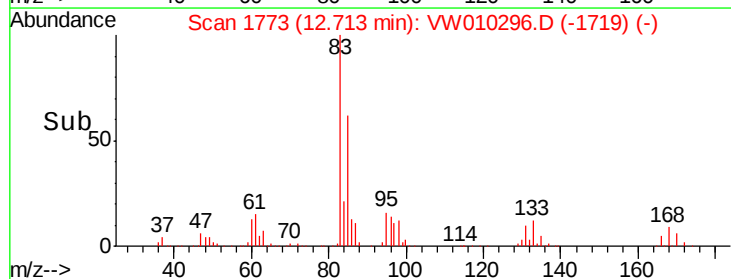
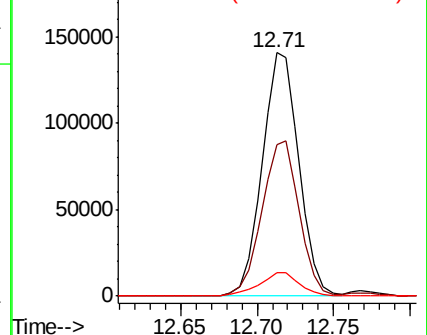
131 9.6 8.2 12.4

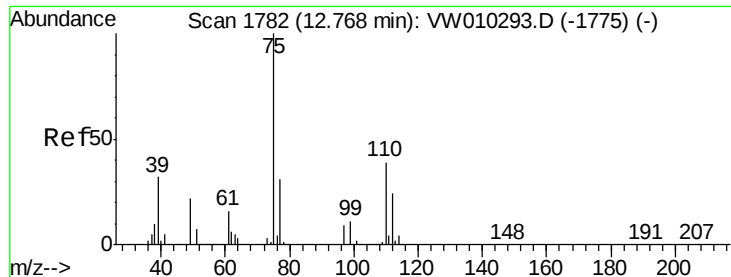


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.680 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010296.D

Acq: 07 May 2019 13:11

Instrument :

MSVOA_W

ClientSampleId :

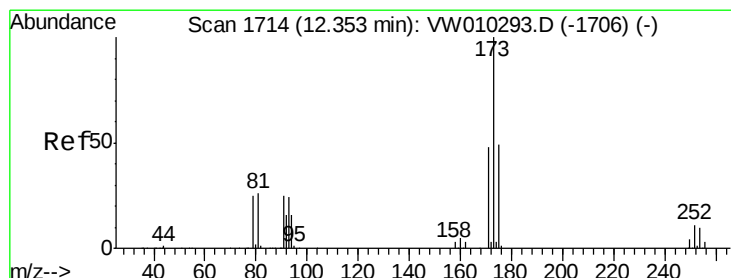
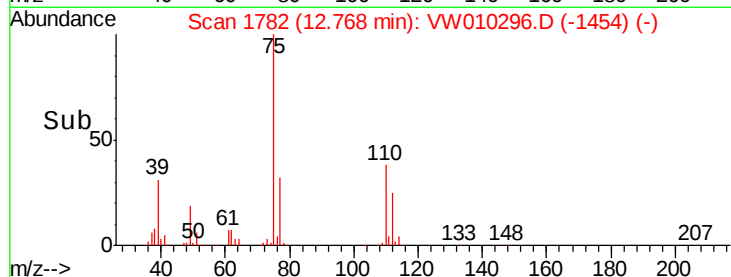
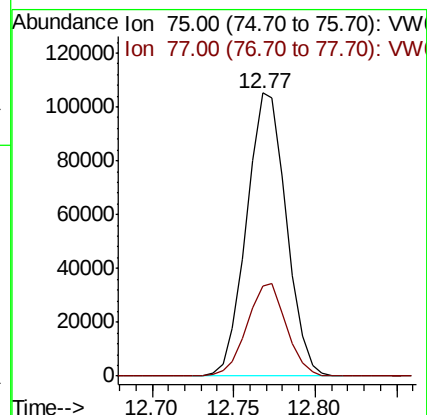
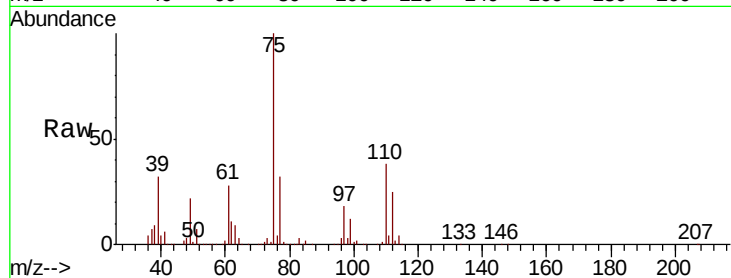
VICV09

Tgt Ion: 75 Resp: 178411

Ion Ratio Lower Upper

75 100

77 32.4 25.7 38.5



#62

Bromoform

Concen: 24.488 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010296.D

Acq: 07 May 2019 13:11

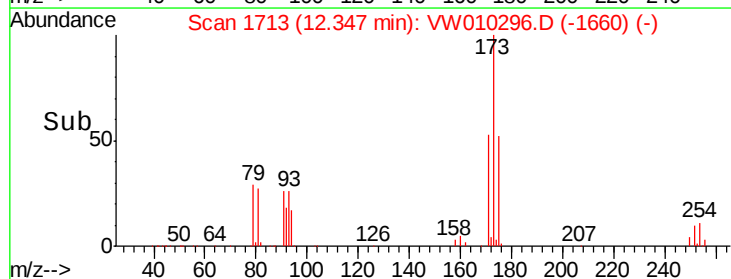
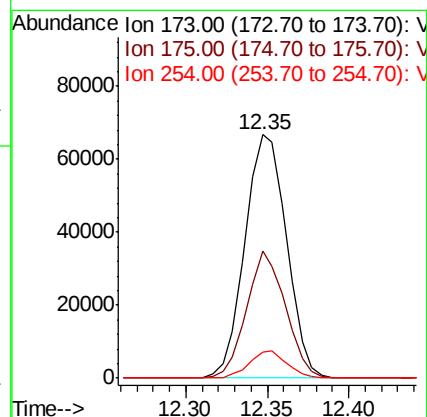
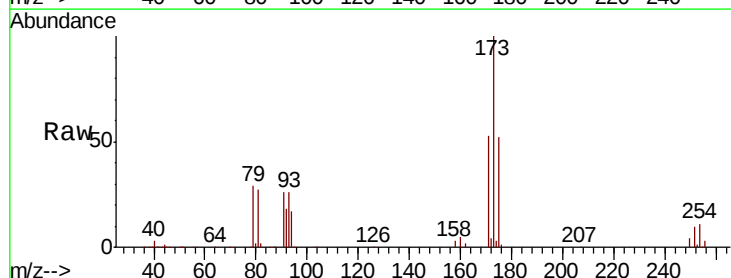
Tgt Ion: 173 Resp: 118764

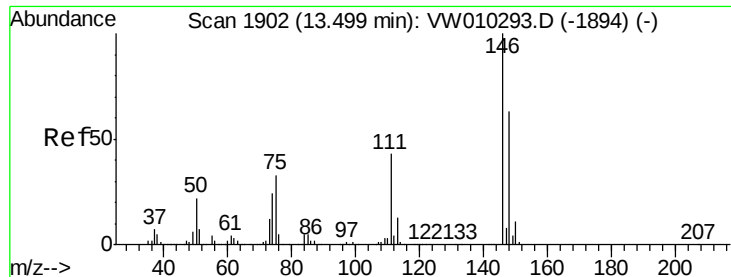
Ion Ratio Lower Upper

173 100

175 48.7 39.4 59.2

254 10.1 7.5 11.3

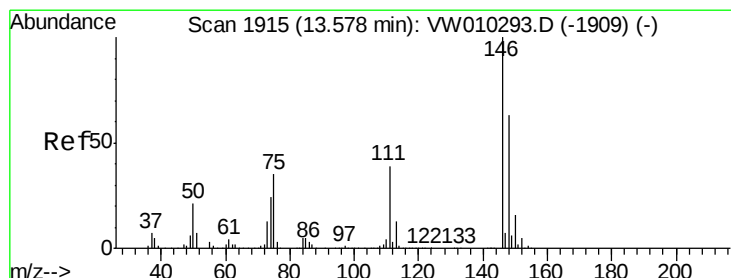
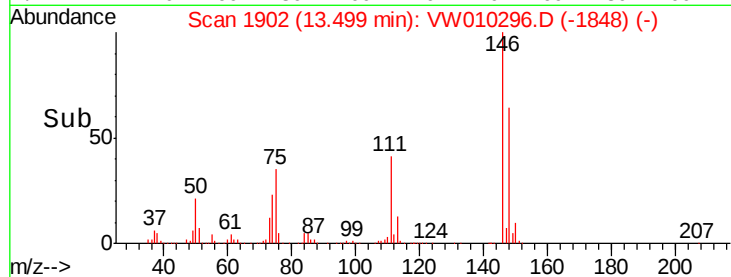
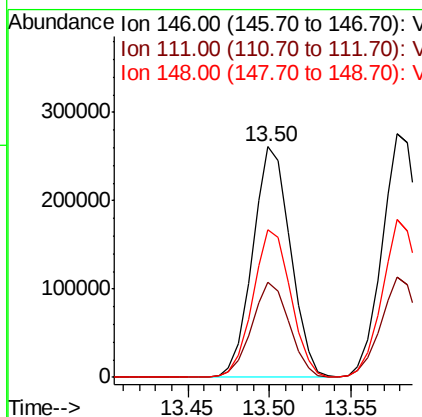
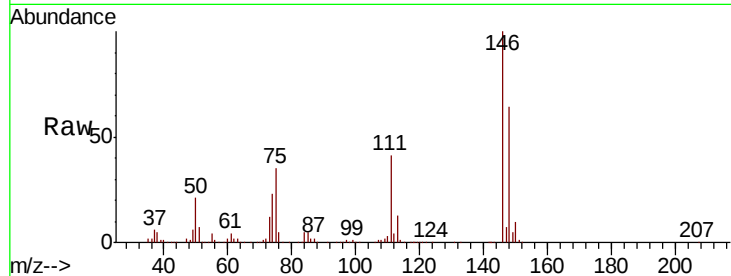




#63
 1,3-Dichlorobenzene
 Concen: 25.097 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010296.D
 Acq: 07 May 2019 13:11

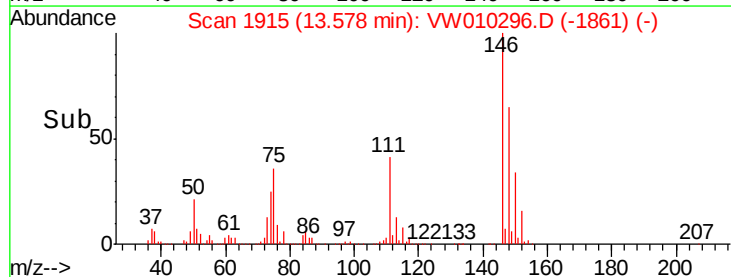
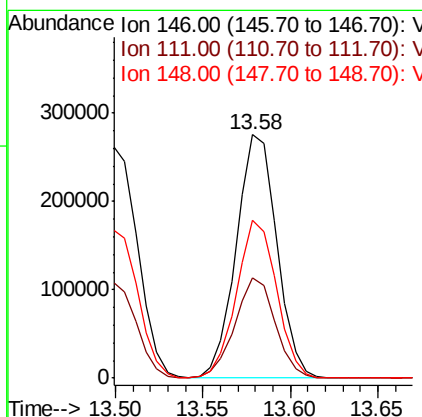
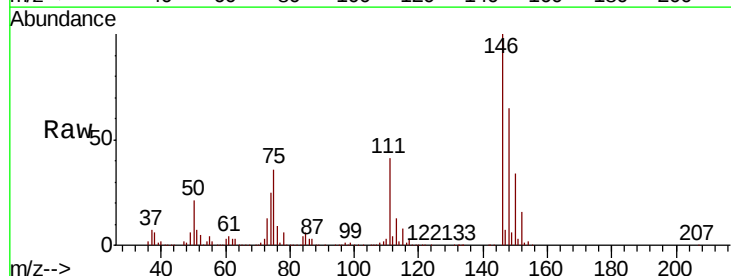
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV09

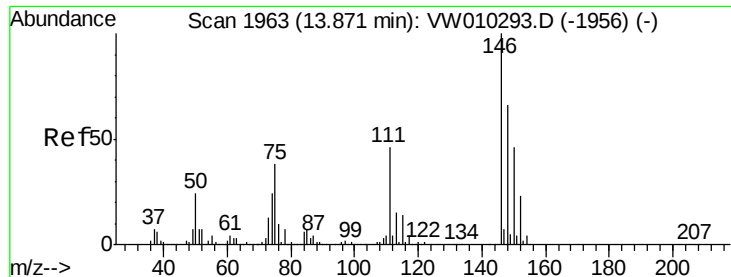
Tgt Ion:146 Resp: 421376
 Ion Ratio Lower Upper
 146 100
 111 41.2 30.0 55.8
 148 64.0 43.9 81.5



#64
 1,4-Dichlorobenzene
 Concen: 24.488 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010296.D
 Acq: 07 May 2019 13:11

Tgt Ion:146 Resp: 445278
 Ion Ratio Lower Upper
 146 100
 111 40.9 27.4 51.0
 148 64.7 44.0 81.6





#65

1,2-Dichlorobenzene

Concen: 25.066 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW010296.D

Acq: 07 May 2019 13:11

Instrument :

MSVOA_W

ClientSampleId :

VICV09

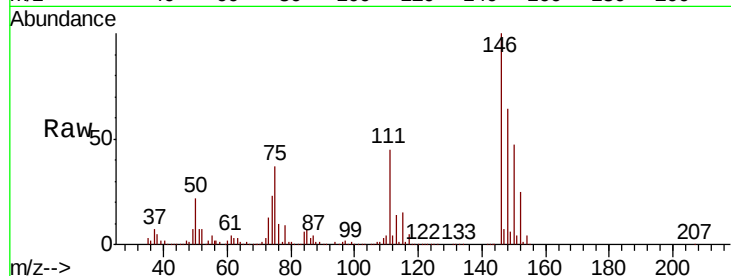
Tgt Ion:146 Resp: 404916

Ion Ratio Lower Upper

146 100

111 45.1 36.8 55.2

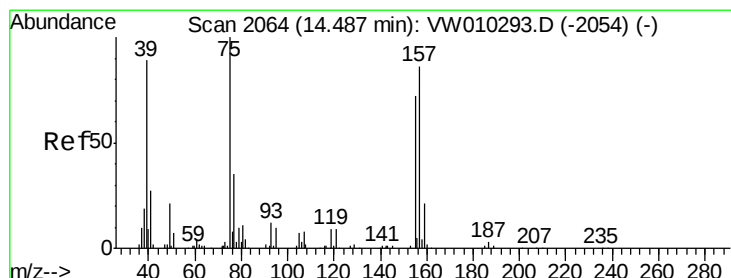
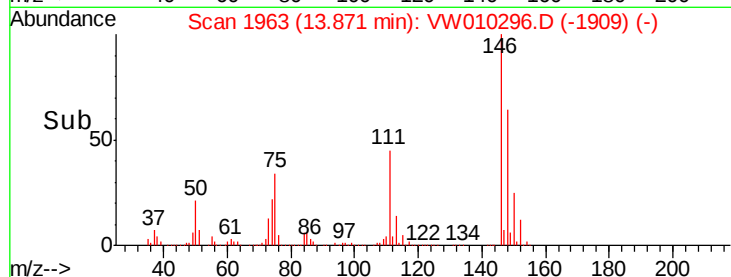
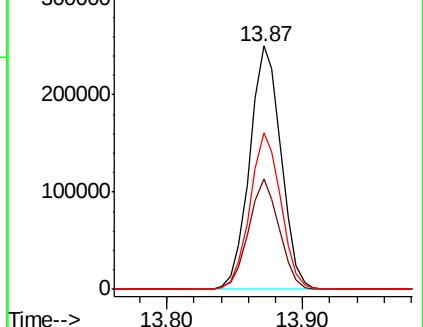
148 64.1 52.9 79.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 23.829 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW010296.D

Acq: 07 May 2019 13:11

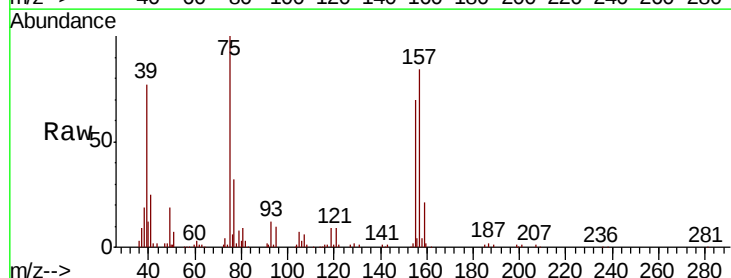
Tgt Ion: 75 Resp: 45870

Ion Ratio Lower Upper

75 100

157 84.0 68.6 103.0

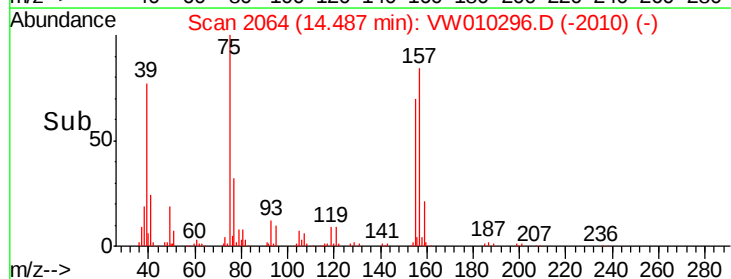
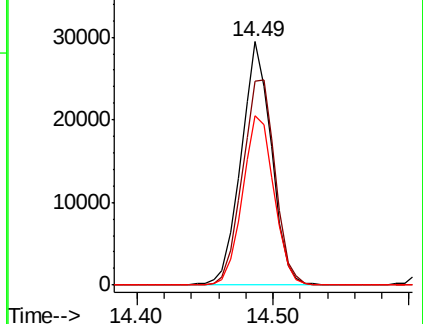
155 69.8 57.3 85.9

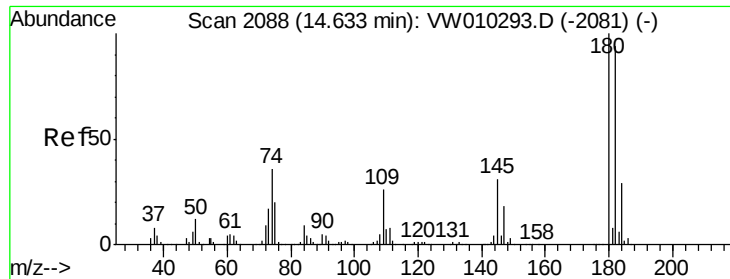


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

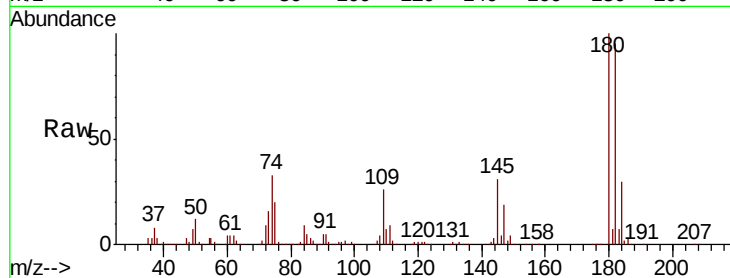




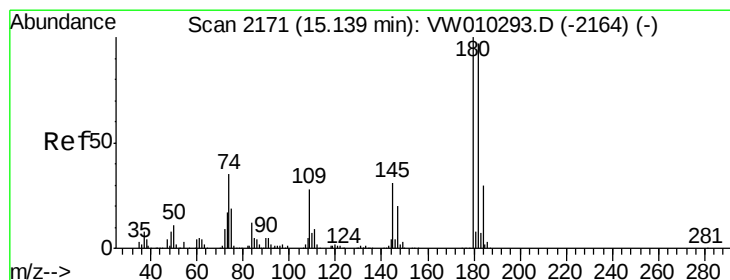
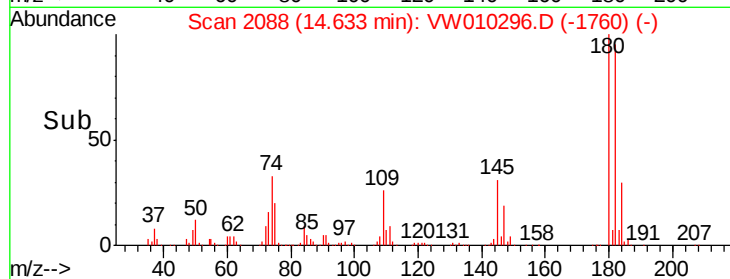
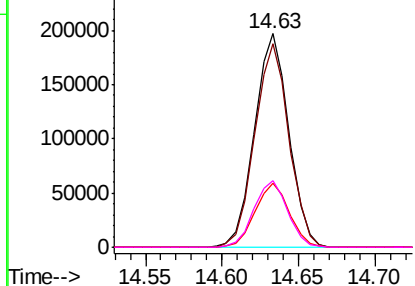
#67
 1,3,5-Trichlorobenzene
 Concen: 24.420 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW010296.D
 Acq: 07 May 2019 13:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV09

Tgt Ion:180 Resp: 307117
 Ion Ratio Lower Upper
 180 100
 182 95.0 75.4 113.0
 184 30.0 23.8 35.8
 145 30.8 24.6 36.8

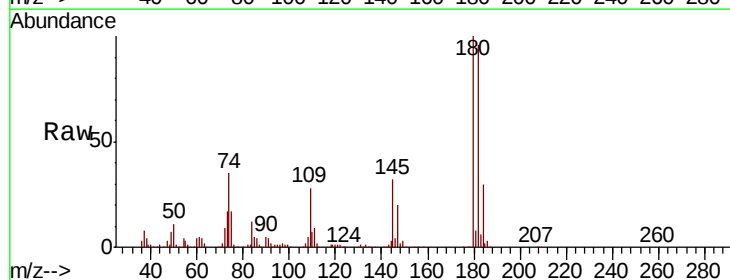


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

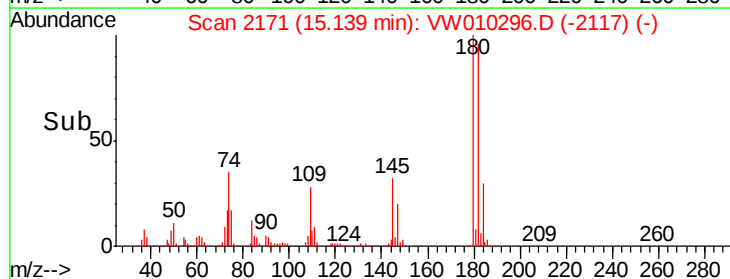
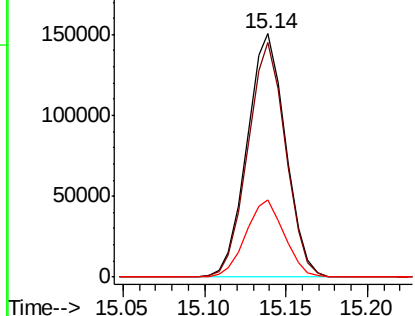


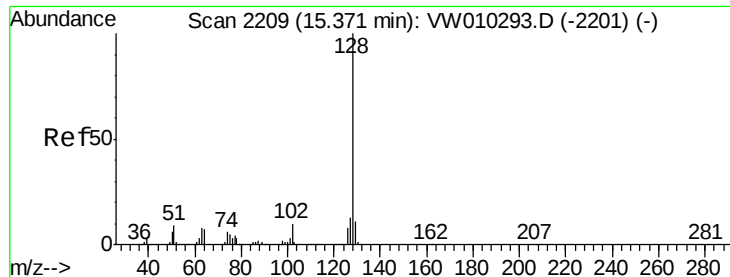
#68
 1,2,4-trichlorobenzene
 Concen: 24.861 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010296.D
 Acq: 07 May 2019 13:11

Tgt Ion:180 Resp: 247440
 Ion Ratio Lower Upper
 180 100
 182 94.5 77.0 115.6
 145 31.7 25.0 37.4



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





#69

Naphthalene

Concen: 26.872 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010296.D

Acq: 07 May 2019 13:11

Instrument :

MSVOA_W

ClientSampleId :

VICV09

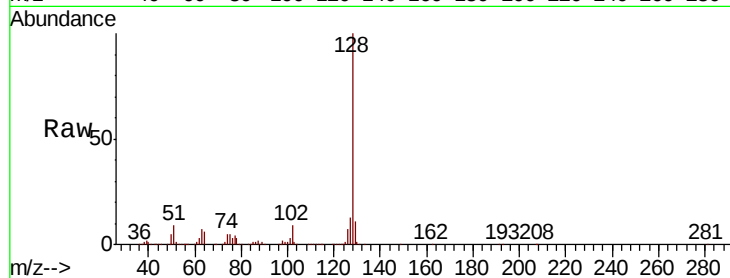
Tgt Ion:128 Resp: 603162

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

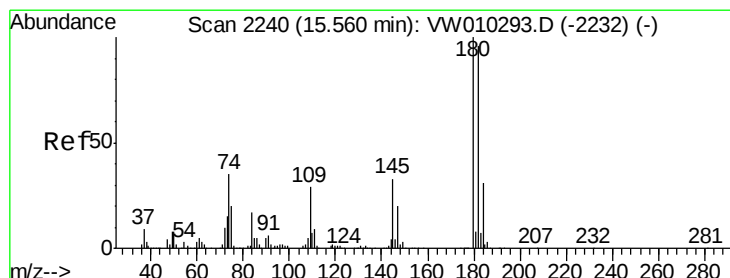
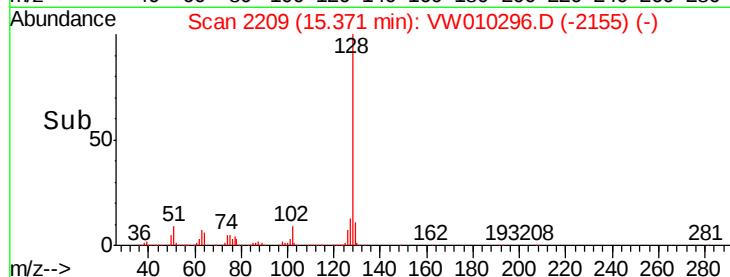
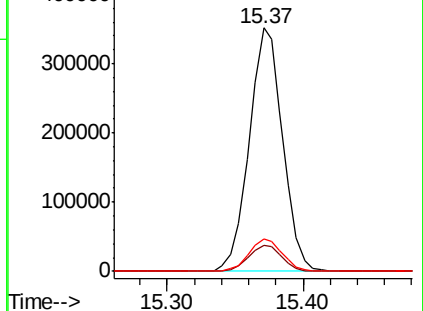
127 13.3 10.8 16.2



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: 25.537 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW010296.D

Acq: 07 May 2019 13:11

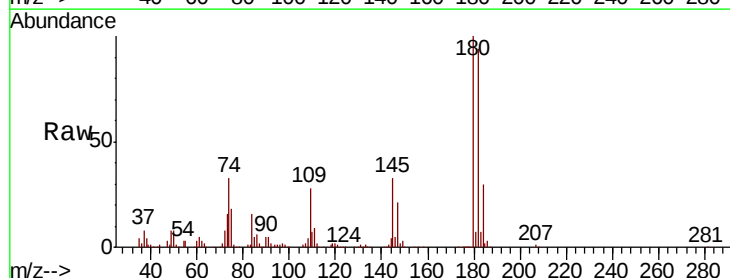
Tgt Ion:180 Resp: 244151

Ion Ratio Lower Upper

180 100

182 93.0 75.8 113.6

145 33.0 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

