

Data File : VW014687.D
Acq On : 20 Jan 2020 10:16
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

Quant Time: Jan 21 03:36:59 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis
QLast Update : Fri Jan 17 17:16:18 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	853328	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	757596	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	374890	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	270669	22.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.00%
7) Chloroethane-d5	2.88	69	231935	26.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.68%
10) 1,1-Dichloroethene-d2	4.02	63	569973	25.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	103.60%
20) 2-Butanone-d5	7.07	46	166439	58.15	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.30%
24) Chloroform-d	7.64	84	542955	27.66	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	110.64%
26) 1,2-Dichloroethane-d4	8.30	65	279593	27.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.76%
29) Benzene-d6	8.27	84	1136355	28.21	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	112.84%
33) 1,2-Dichloropropane-d6	9.27	67	344965	28.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	113.92%
37) Toluene-d8	10.32	98	1030890	28.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	112.92%
38) trans-1,3-Dichloropropene-	10.57	79	134967	26.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	107.92%
39) 2-Hexanone-d5	10.92	63	121630	58.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.44%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	266413	29.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	117.16%
61) 1,2-Dichlorobenzene-d4	13.85	152	334296	27.06	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.24%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	192423	25.207 ug/L	99
3) Chloromethane	2.21	50	202753	23.494 ug/L	97
5) Vinyl chloride	2.36	62	330693	26.931 ug/L	100
6) Bromomethane	2.78	94	186976	26.076 ug/L	100
8) Chloroethane	2.92	64	189827	27.645 ug/L	98
9) Trichlorofluoromethane	3.25	101	180383	27.772 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	306765	27.513 ug/L	99
12) 1,1-Dichloroethene	4.04	96	298915	27.377 ug/L	93
13) Acetone	4.11	43	193691	48.873 ug/L	100
14) Carbon disulfide	4.38	76	883640	26.213 ug/L	99
15) Methyl Acetate	4.67	43	145947	27.291 ug/L	100
16) Methylene chloride	4.91	84	313475	22.528 ug/L	98
17) Methyl tert-butyl Ether	5.42	73	381953	27.178 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	308375	26.811 ug/L	98
19) 1,1-Dichloroethane	6.21	63	571703	27.497 ug/L	99
21) 2-Butanone	7.16	43	219357	51.588 ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	326267	26.949 ug/L	98

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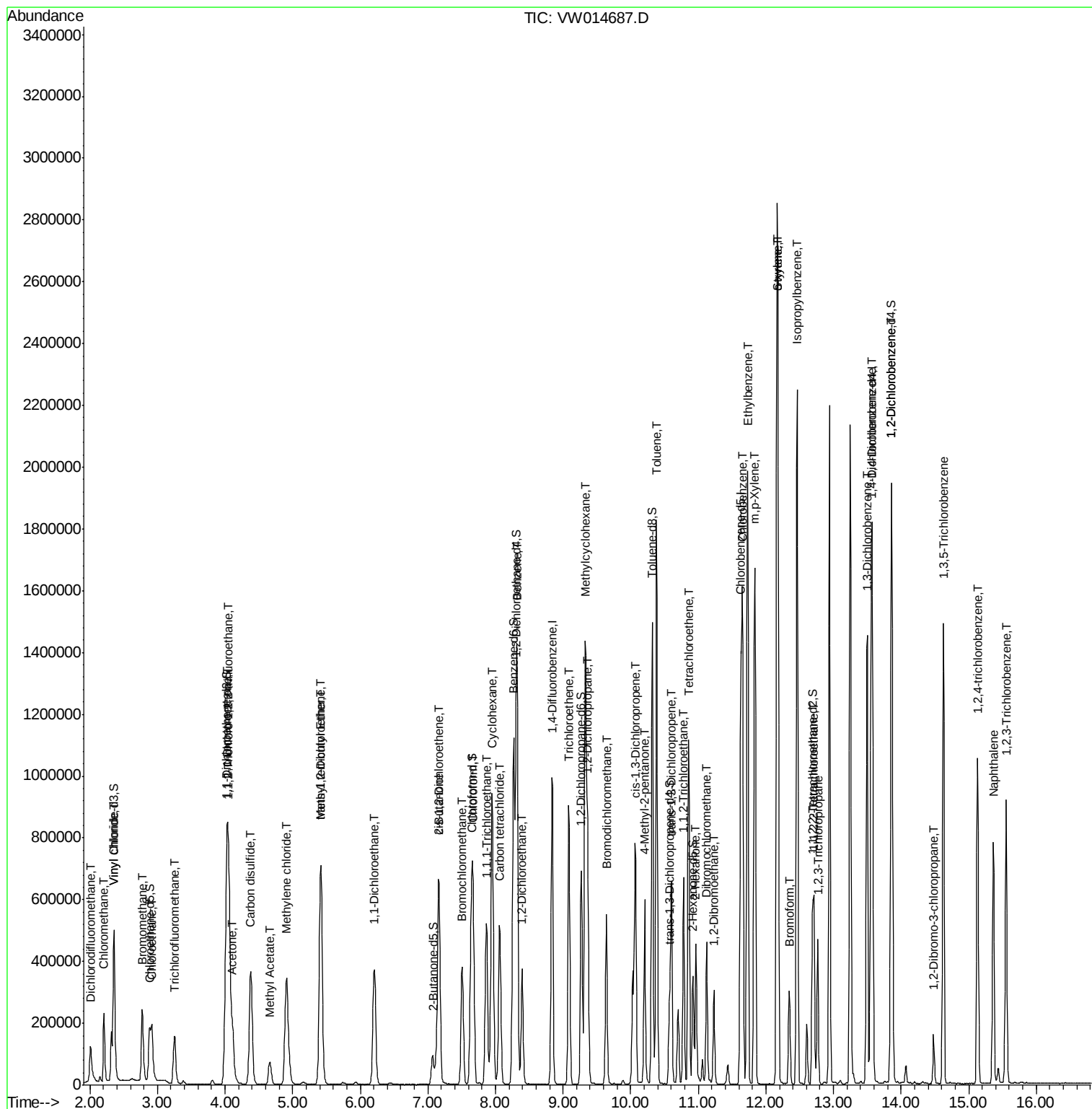
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	141303	26.961	ug/L	99
25) Chloroform	7.67	83	542323	27.271	ug/L	99
27) 1,2-Dichloroethane	8.40	62	337651	26.155	ug/L	100
30) Cyclohexane	7.95	56	550975	28.431	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	430402	27.695	ug/L	100
32) Carbon tetrachloride	8.06	117	403688	27.881	ug/L	99
34) Benzene	8.32	78	1271510	27.889	ug/L	100
35) Trichloroethene	9.09	95	320681	27.254	ug/L	99
36) Methylcyclohexane	9.33	83	588175	28.493	ug/L	99
40) 1,2-Dichloropropane	9.37	63	317448	27.510	ug/L	100
41) Bromodichloromethane	9.64	83	374426	26.976	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	469384	27.230	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	386897	52.229	ug/L	99
44) Toluene	10.38	91	1332563	27.969	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	369363	26.798	ug/L	97
46) 1,1,2-Trichloroethane	10.78	97	220942	27.032	ug/L	99
47) Tetrachloroethene	10.86	164	273367	27.669	ug/L	98
49) 2-Hexanone	10.96	43	289609	57.252	ug/L	100
50) Dibromochloromethane	11.12	129	249312	26.863	ug/L	94
51) 1,2-Dibromoethane	11.23	107	204679	26.529	ug/L	99
52) Chlorobenzene	11.65	112	812209	26.968	ug/L	98
53) Ethylbenzene	11.73	91	1459462	27.861	ug/L	99
54) m,p-Xylene	11.83	106	556342	28.065	ug/L	100
55) o-xylene	12.16	106	522608	27.911	ug/L	98
56) Styrene	12.18	104	881971	27.985	ug/L	100
57) Isopropylbenzene	12.46	105	1416664	28.443	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	264312	26.634	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	196483	26.430	ug/L	100
62) Bromoform	12.35	173	146964	26.234	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	633912	26.708	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	628726	26.271	ug/L	99
65) 1,2-Dichlorobenzene	13.86	146	565227	26.565	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	41620	26.415	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	479643	27.280	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	369495	28.035	ug/L	98
69) Naphthalene	15.36	128	669285	29.414	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	332524	27.842	ug/L	100

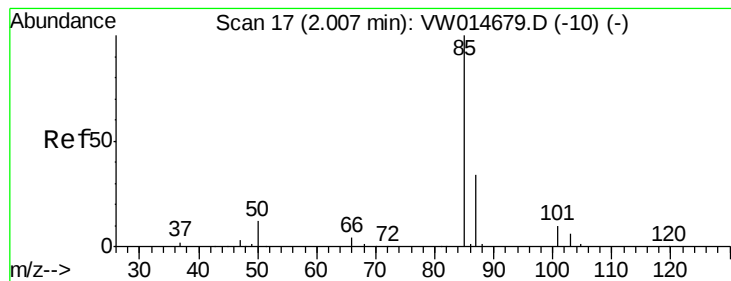
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 25.207 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW014687.D

Acq: 20 Jan 2020 10:16

Instrument :

MSVOA_W

ClientSampleId :

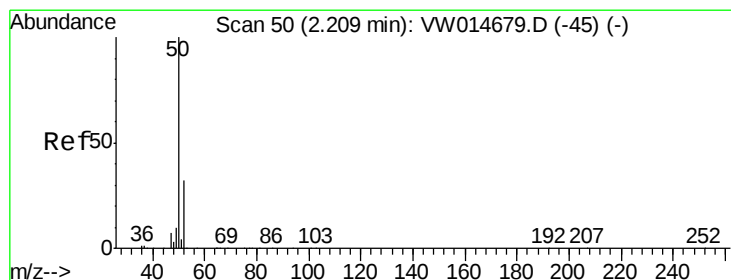
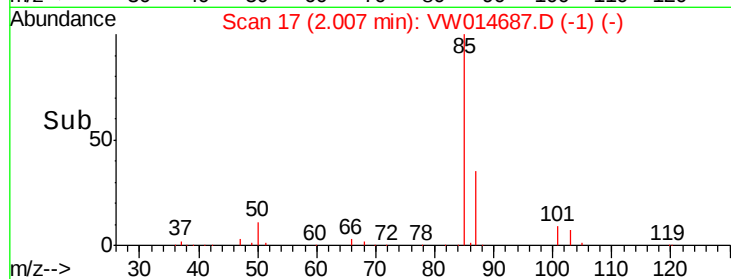
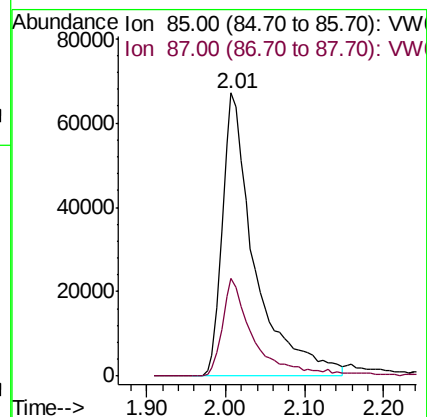
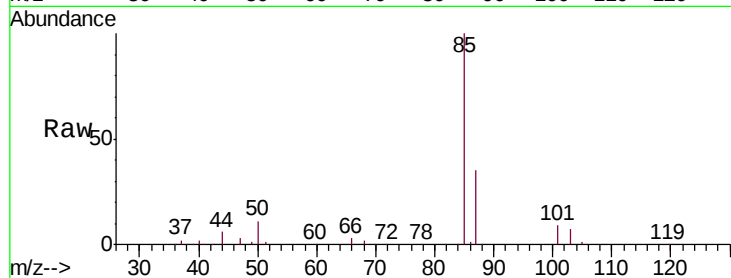
VSTD02520

Tgt Ion: 85 Resp: 192423

Ion Ratio Lower Upper

85 100

87 31.0 21.5 39.9



#3

Chloromethane

Concen: 23.494 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW014687.D

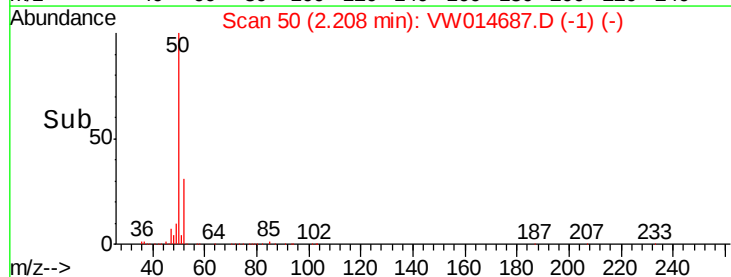
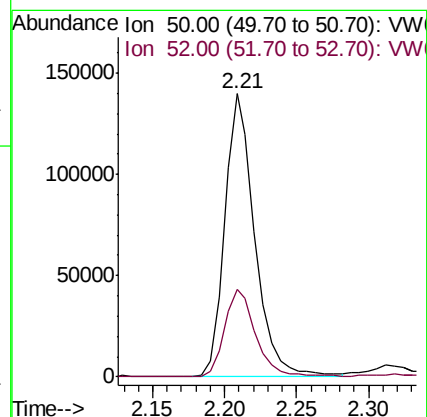
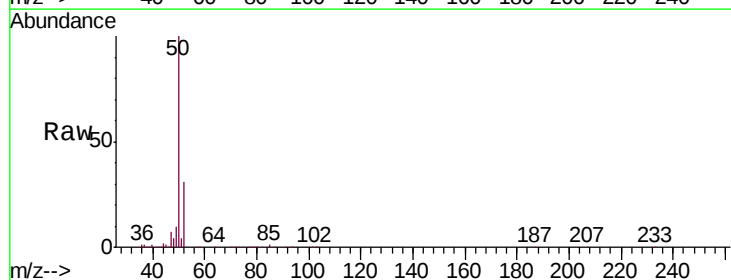
Acq: 20 Jan 2020 10:16

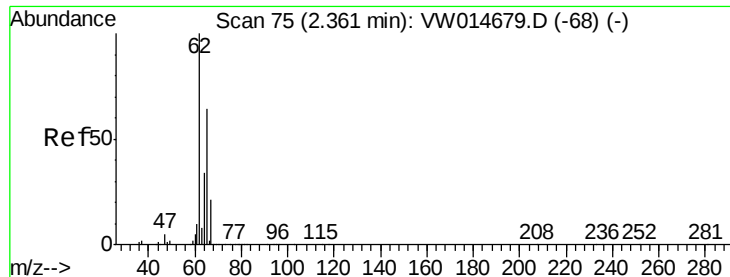
Tgt Ion: 50 Resp: 202753

Ion Ratio Lower Upper

50 100

52 31.0 23.0 42.8





#5

Vinyl chloride

Concen: 26.931 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW014687.D

Acq: 20 Jan 2020 10:16

Instrument :

MSVOA_W

ClientSampleId :

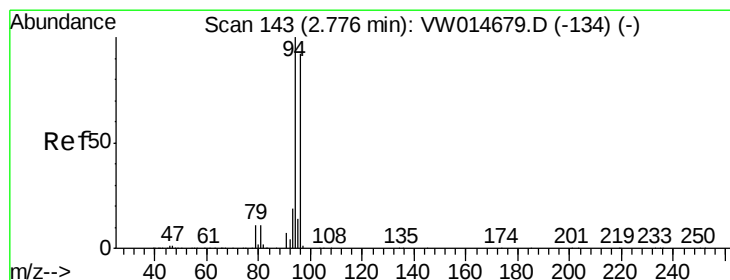
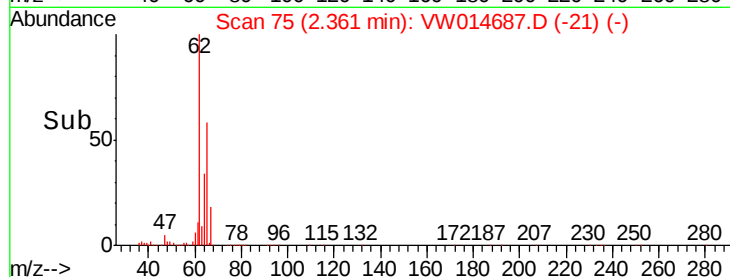
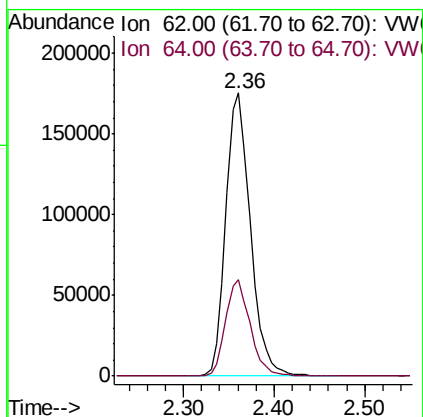
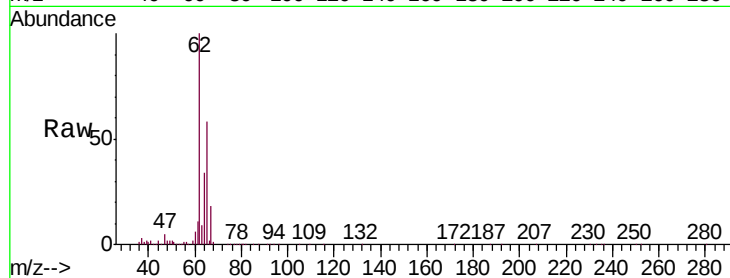
VSTD02520

Tgt Ion: 62 Resp: 330693

Ion Ratio Lower Upper

62 100

64 34.2 24.1 44.8



#6

Bromomethane

Concen: 26.076 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW014687.D

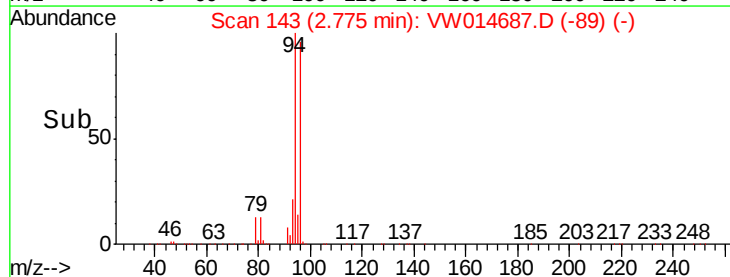
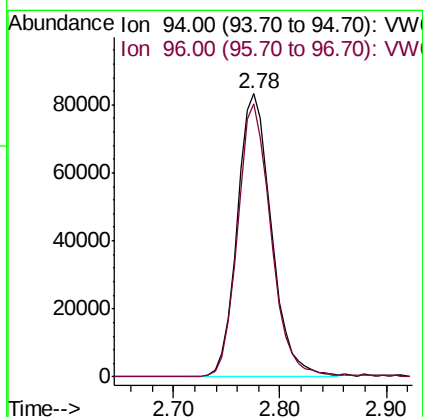
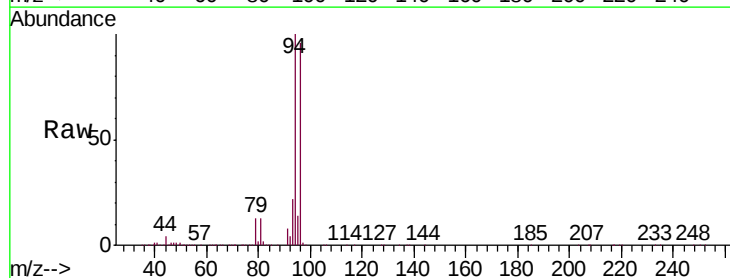
Acq: 20 Jan 2020 10:16

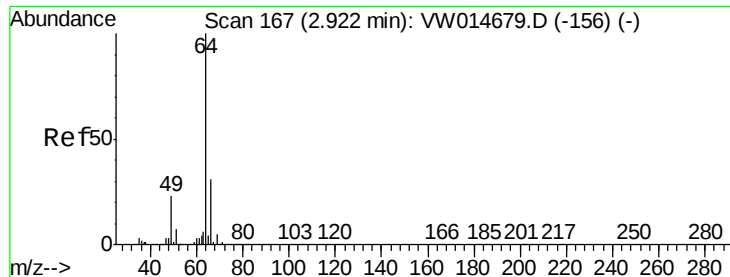
Tgt Ion: 94 Resp: 186976

Ion Ratio Lower Upper

94 100

96 94.0 9.4 178.8





#8

Chloroethane

Concen: 27.645 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW014687.D

Acq: 20 Jan 2020 10:16

Instrument :

MSVOA_W

ClientSampleId :

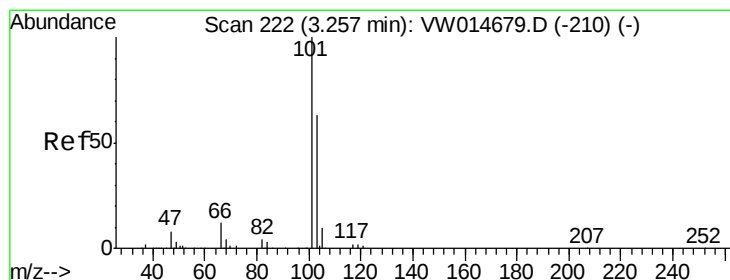
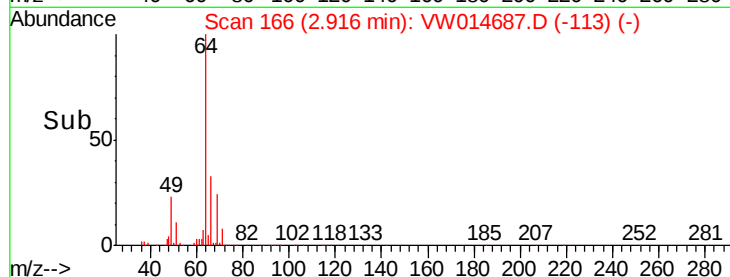
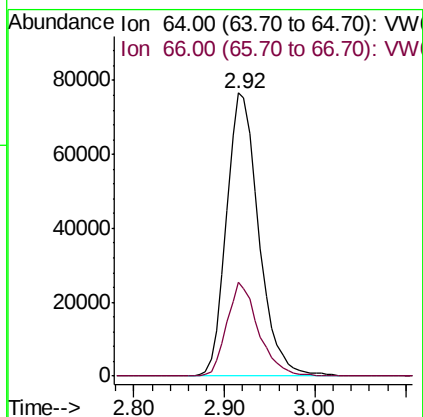
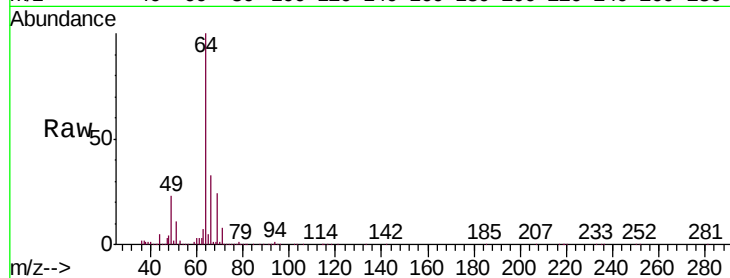
VSTD02520

Tgt Ion: 64 Resp: 189827

Ion Ratio Lower Upper

64 100

66 33.2 22.5 41.7



#9

Trichlorofluoromethane

Concen: 27.772 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW014687.D

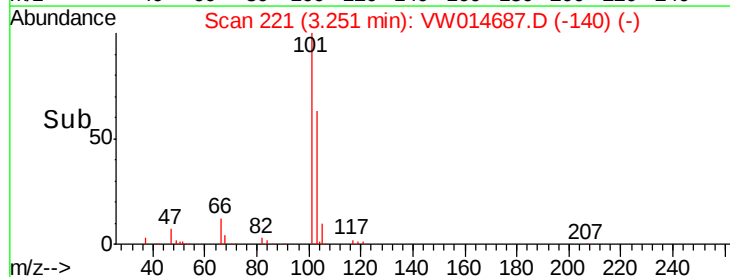
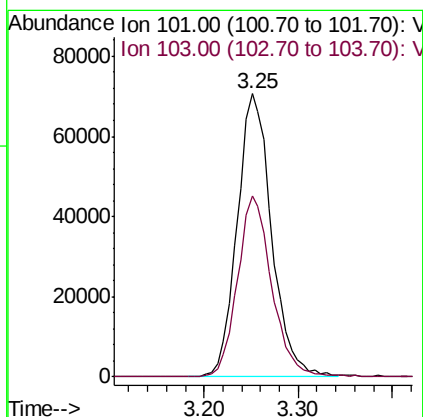
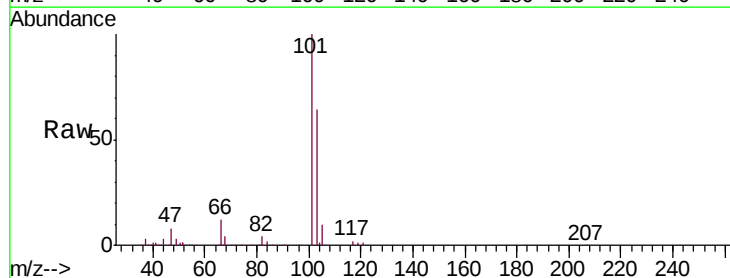
Acq: 20 Jan 2020 10:16

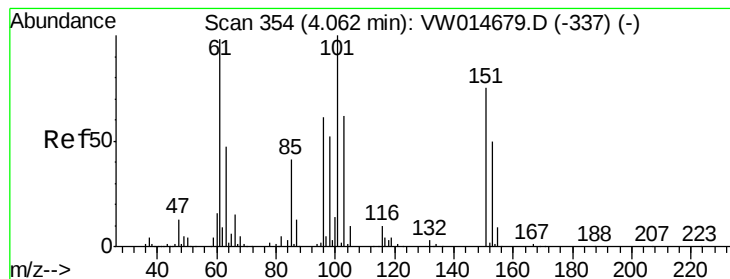
Tgt Ion: 101 Resp: 180383

Ion Ratio Lower Upper

101 100

103 63.6 45.5 84.5





#11

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

Concen: 27.513 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW014687.D

Acq: 20 Jan 2020 10:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

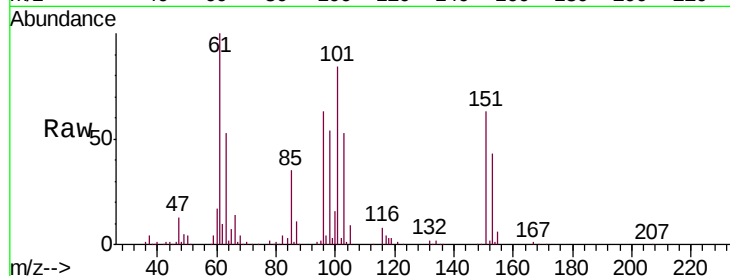
Tgt Ion: 101 Resp: 306765

Ion Ratio Lower Upper

101 100

85 42.0 33.3 49.9

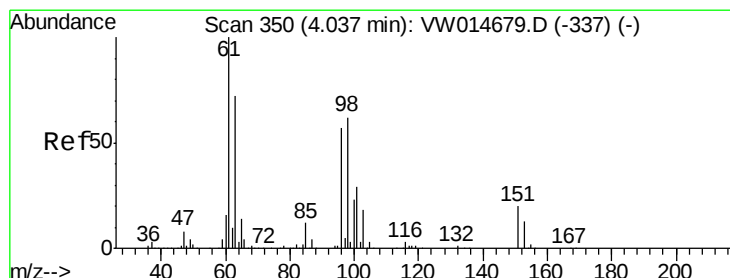
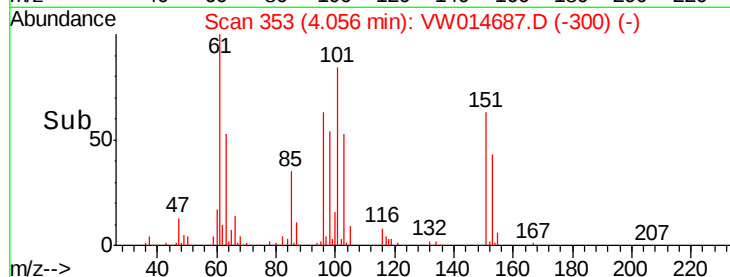
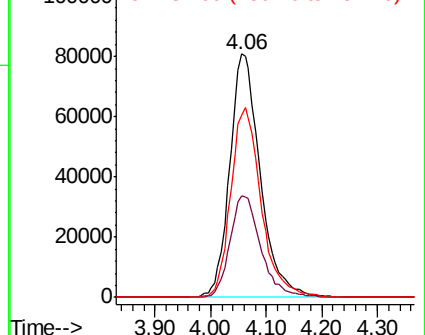
151 77.6 62.5 93.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 27.377 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW014687.D

Acq: 20 Jan 2020 10:16

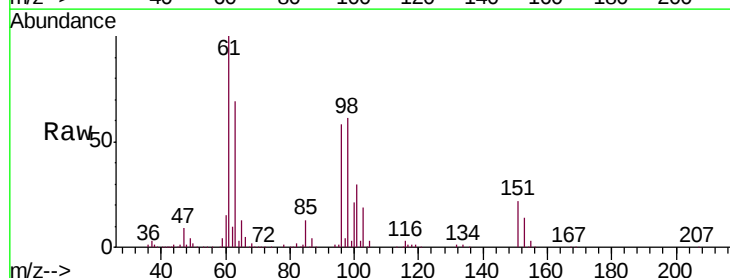
Tgt Ion: 96 Resp: 298915

Ion Ratio Lower Upper

96 100

61 172.8 114.2 212.0

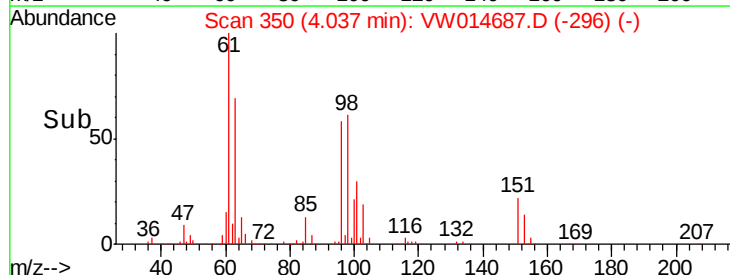
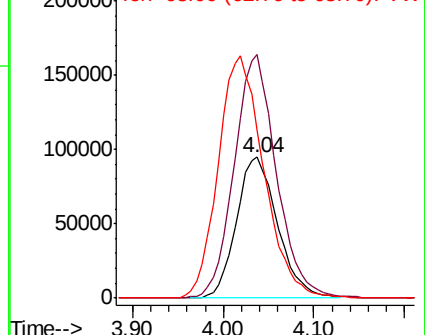
63 119.8 78.6 146.0

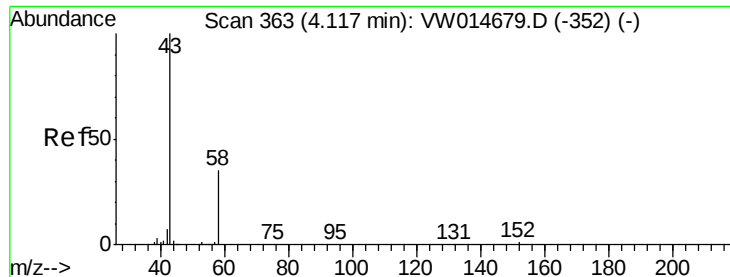


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 48.873 ug/L

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

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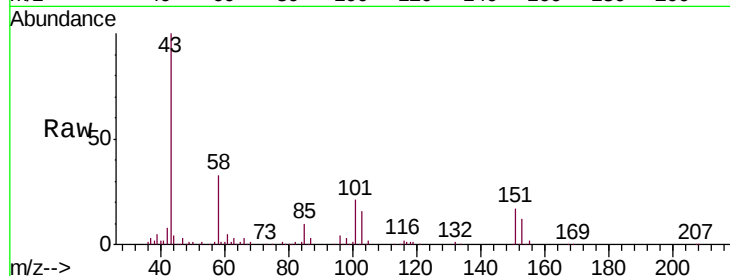
VSTD02520

Tgt Ion: 43 Resp: 193691

Ion Ratio Lower Upper

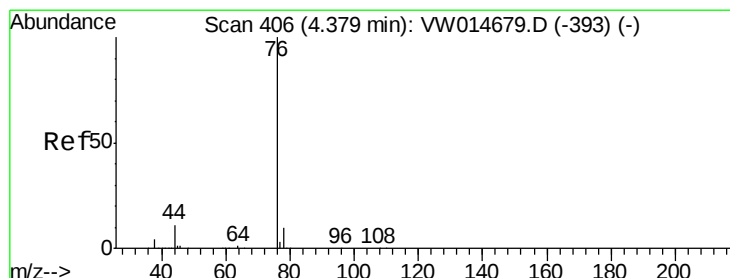
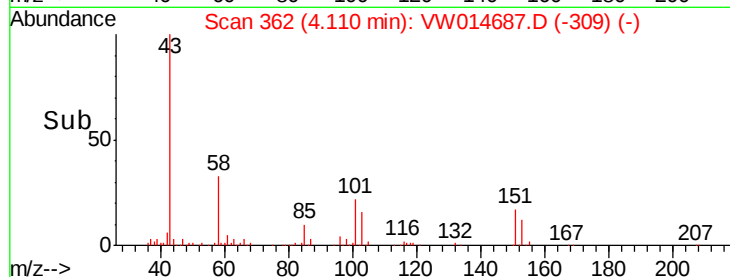
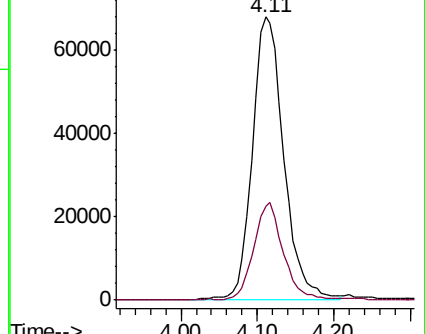
43 100

58 31.8 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 26.213 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW014687.D

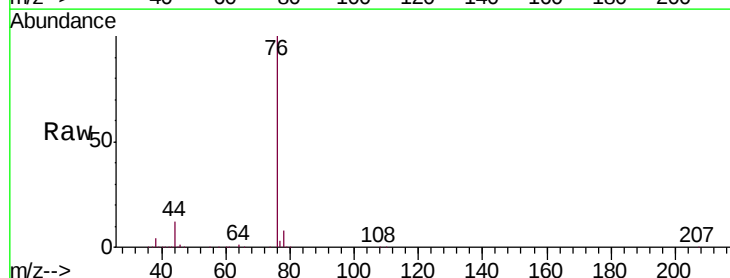
Acq: 20 Jan 2020 10:16

Tgt Ion: 76 Resp: 883640

Ion Ratio Lower Upper

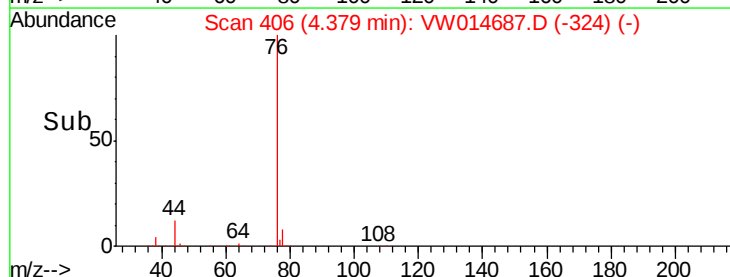
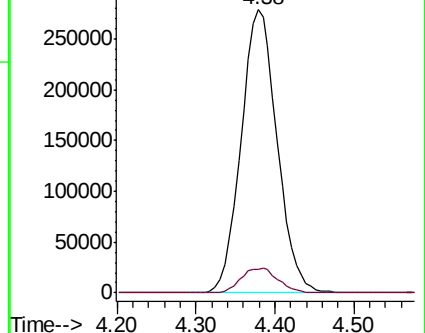
76 100

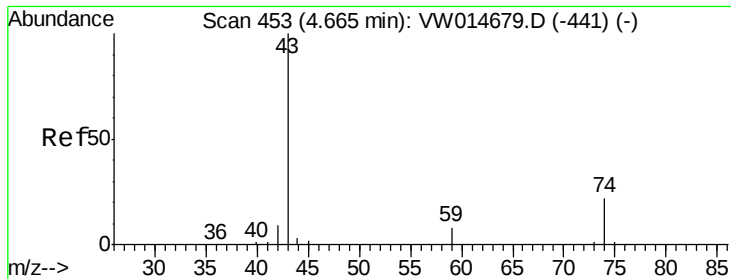
78 8.3 6.9 10.3



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

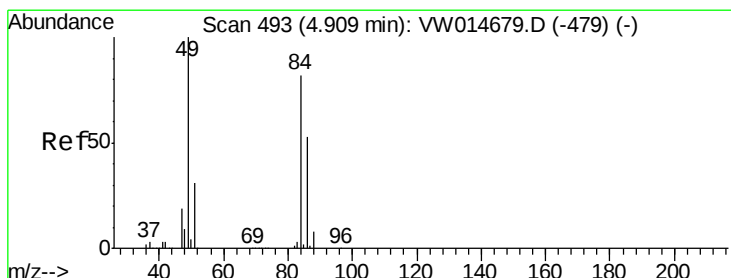
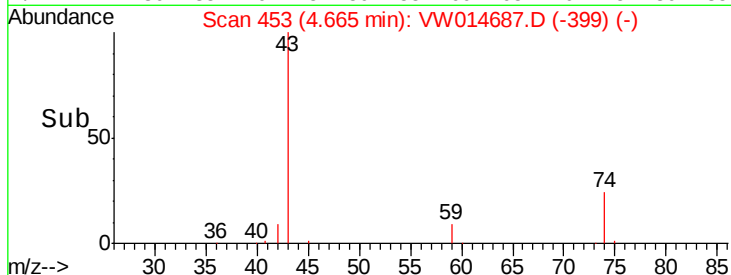
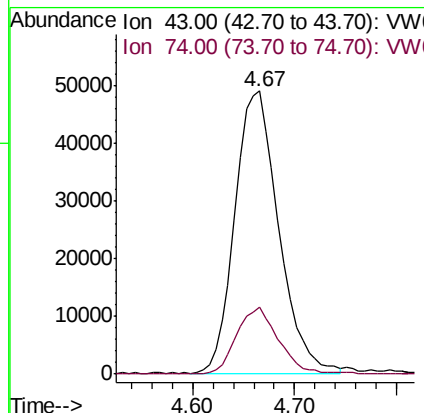
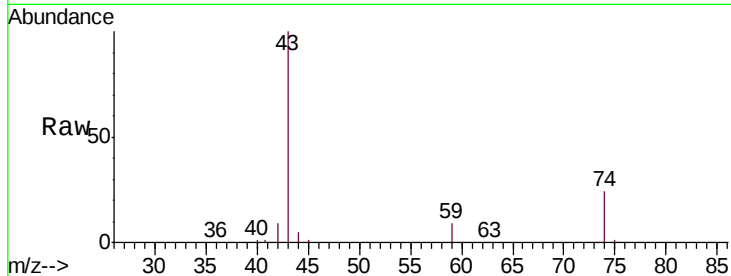




#15
Methyl Acetate
Concen: 27.291 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW014687.D
Acq: 20 Jan 2020 10:16

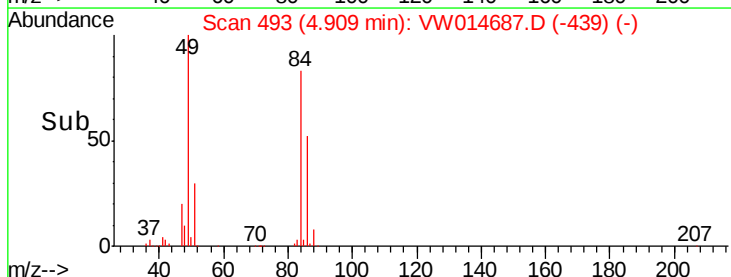
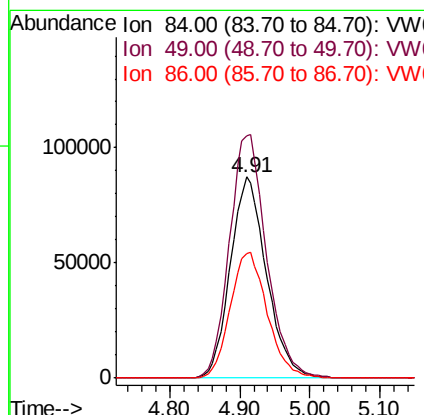
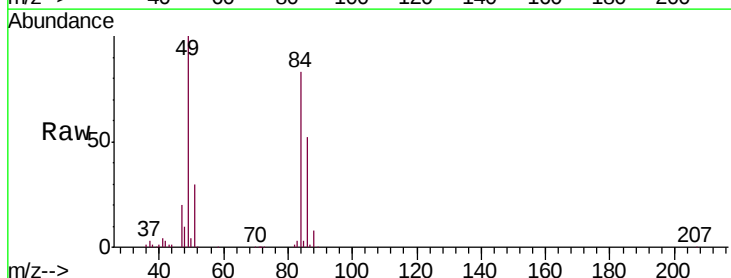
Instrument :
MSVOA_W
ClientSampled :
VSTD02520

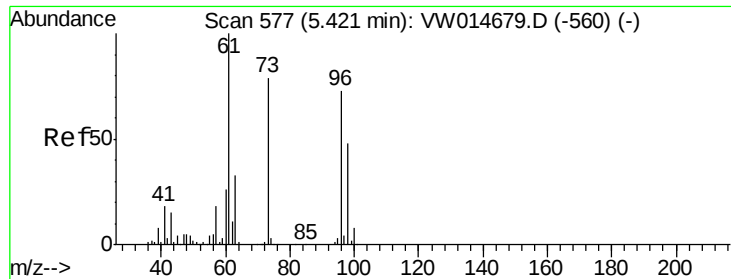
Tgt Ion: 43 Resp: 145947
Ion Ratio Lower Upper
43 100
74 22.7 18.3 27.5



#16
Methylene chloride
Concen: 22.528 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW014687.D
Acq: 20 Jan 2020 10:16

Tgt Ion: 84 Resp: 313475
Ion Ratio Lower Upper
84 100
49 120.4 85.8 159.4
86 62.1 44.5 82.7

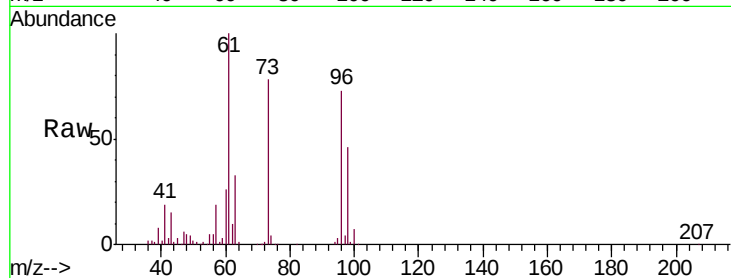




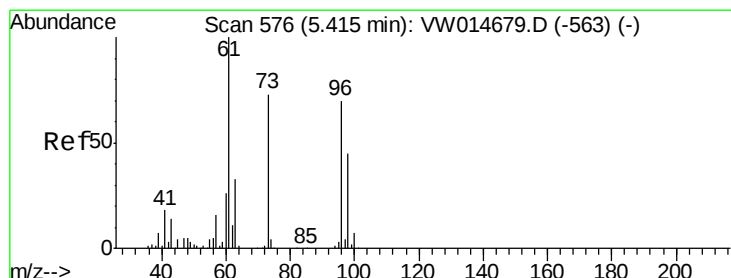
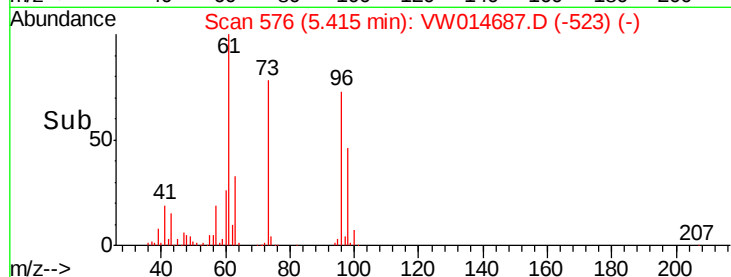
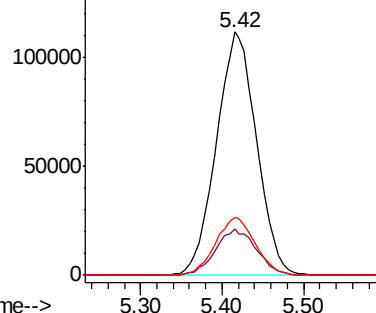
#17
Methyl tert-butyl Ether
Concen: 27.178 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014687.D
Acq: 20 Jan 2020 10:16

Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

Tgt Ion: 73 Resp: 381953
Ion Ratio Lower Upper
73 100
43 19.5 15.7 23.5
57 23.6 18.3 27.5

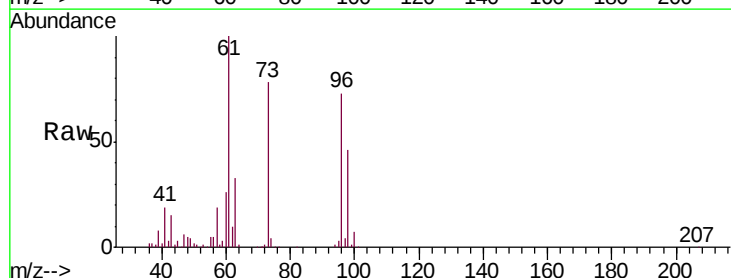


Abundance Ion 73.00 (72.70 to 73.70): VW
150000 Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

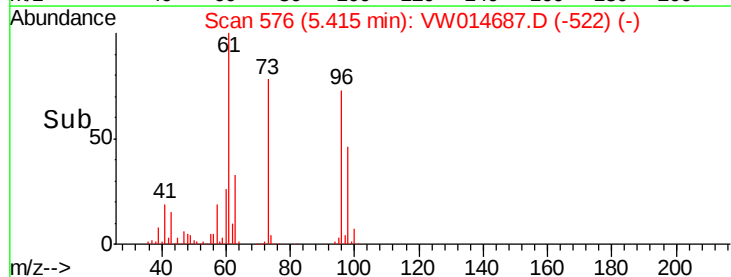
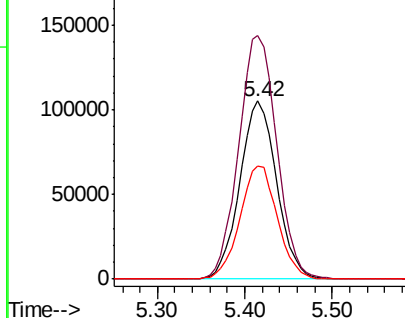


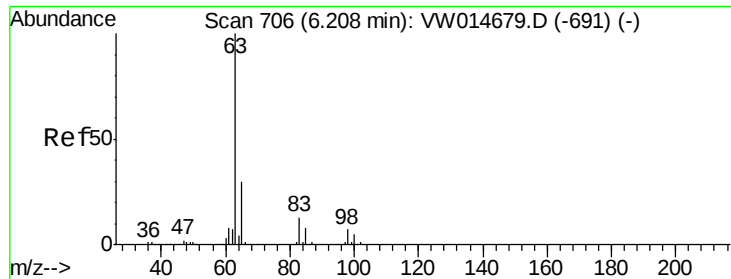
#18
trans-1,2-Dichloroethene
Concen: 26.811 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW014687.D
Acq: 20 Jan 2020 10:16

Tgt Ion: 96 Resp: 308375
Ion Ratio Lower Upper
96 100
61 136.8 98.2 182.4
98 63.3 44.1 81.9



Abundance Ion 96.00 (95.70 to 96.70): VW
200000 Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW

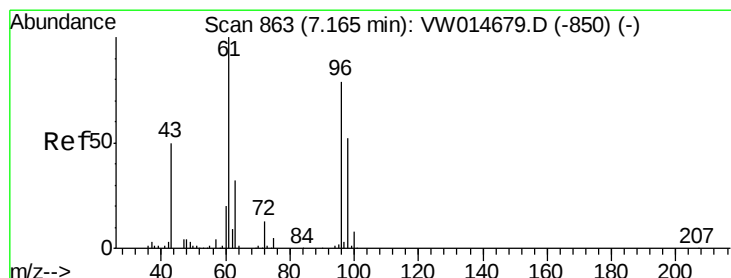
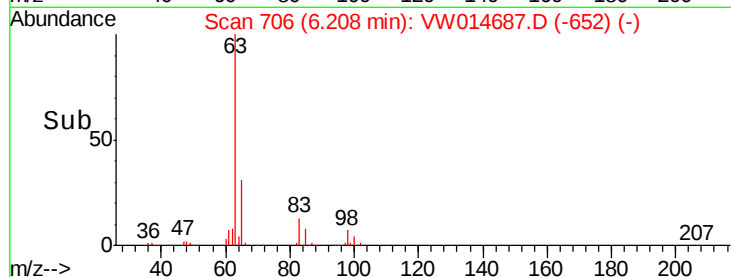
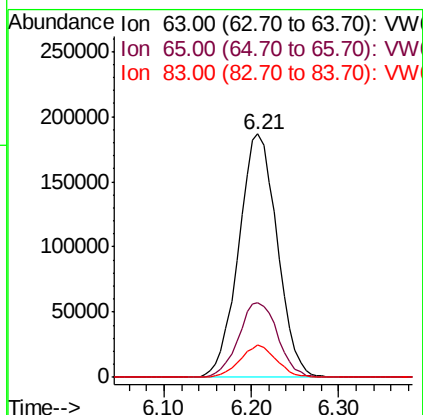
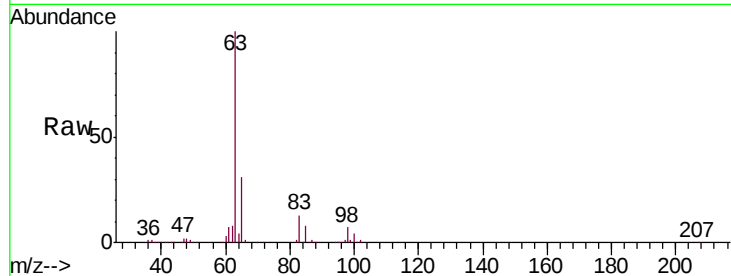




#19
 1,1-Dichloroethane
 Concen: 27.497 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW014687.D
 Acq: 20 Jan 2020 10:16

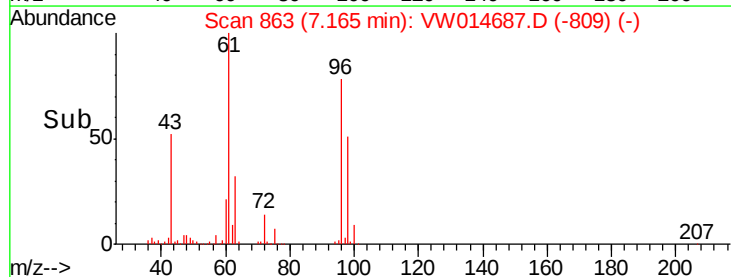
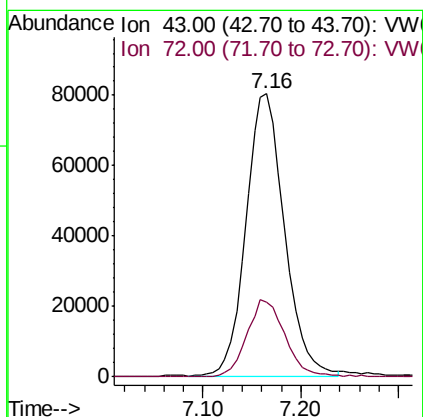
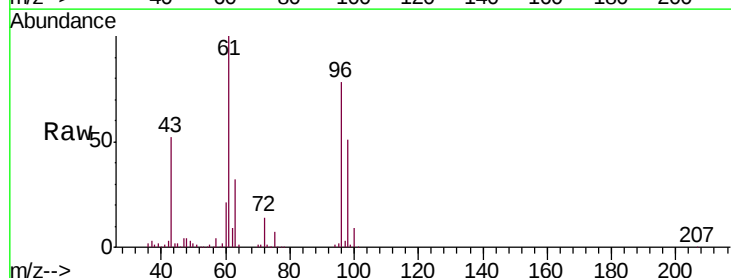
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

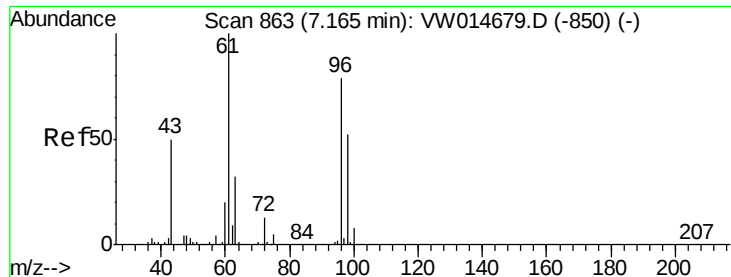
Tgt Ion: 63 Resp: 571703
 Ion Ratio Lower Upper
 63 100
 65 30.7 21.7 40.3
 83 13.3 9.0 16.8



#21
 2-Butanone
 Concen: 51.588 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014687.D
 Acq: 20 Jan 2020 10:16

Tgt Ion: 43 Resp: 219357
 Ion Ratio Lower Upper
 43 100
 72 27.1 13.3 39.8



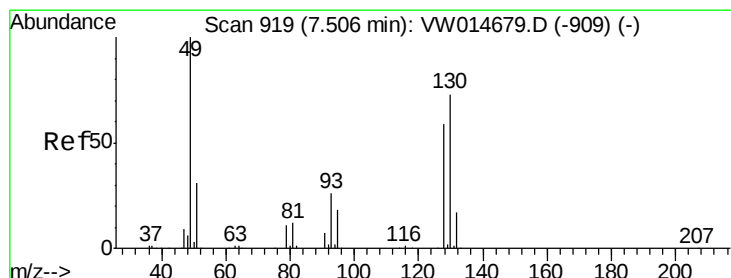
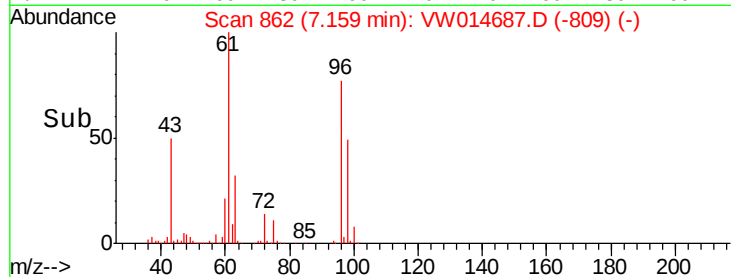
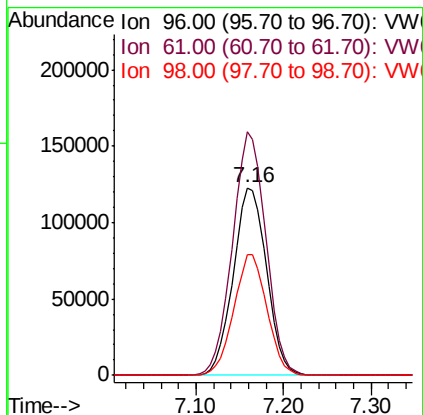
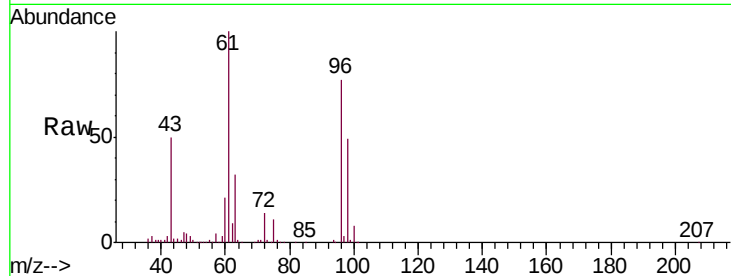


#22

cis-1,2-Dichloroethene
Concen: 26.949 ug/L
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW014687.D
Acq: 20 Jan 2020 10:16

Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

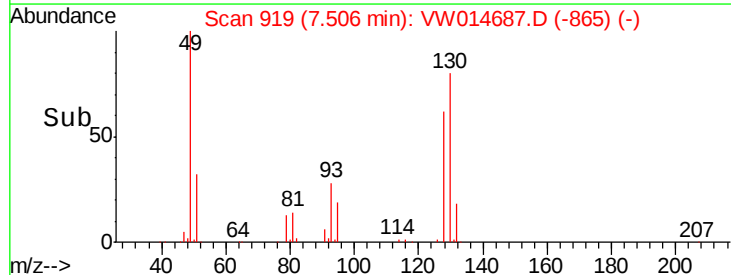
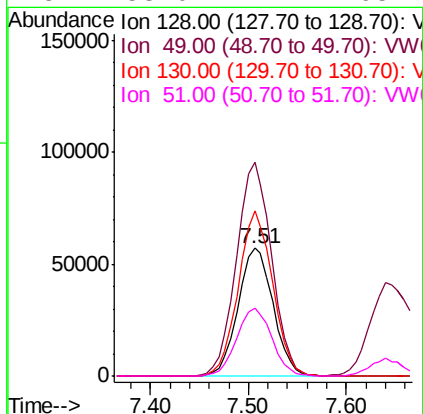
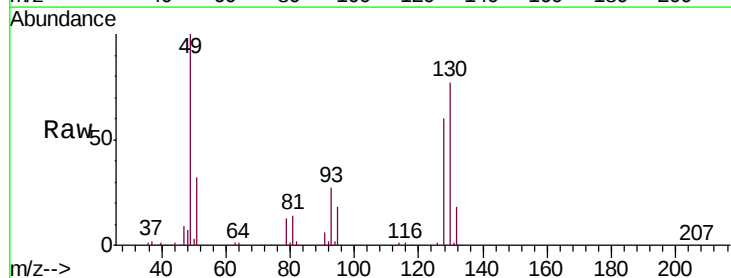
Tgt Ion: 96 Resp: 326267
Ion Ratio Lower Upper
96 100
61 129.7 91.5 169.9
98 64.1 46.9 87.1

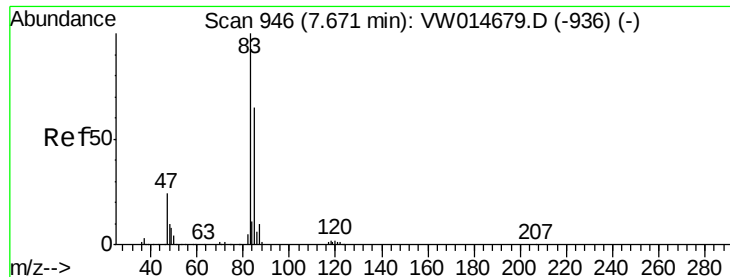


#23

Bromochloromethane
Concen: 26.961 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW014687.D
Acq: 20 Jan 2020 10:16

Tgt Ion: 128 Resp: 141303
Ion Ratio Lower Upper
128 100
49 167.5 118.3 219.7
130 129.7 89.5 166.1
51 53.0 42.1 63.1





#25

Chloroform

Concen: 27.271 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW014687.D

Acq: 20 Jan 2020 10:16

Instrument :

MSVOA_W

ClientSampleId :

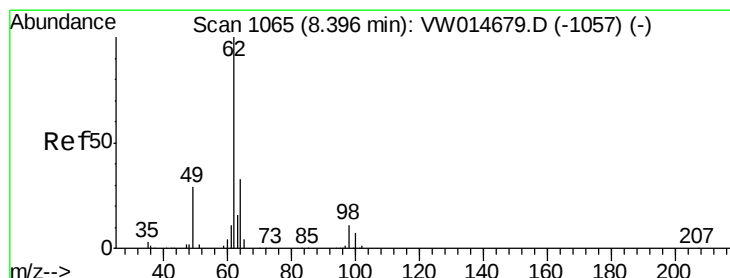
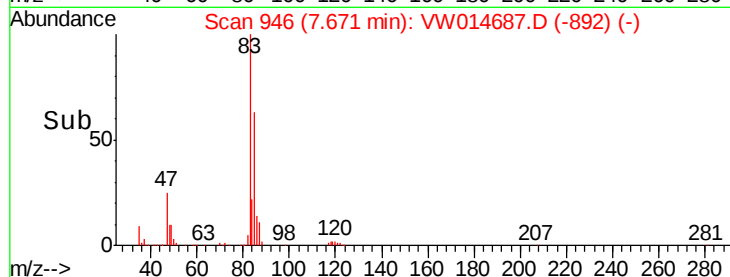
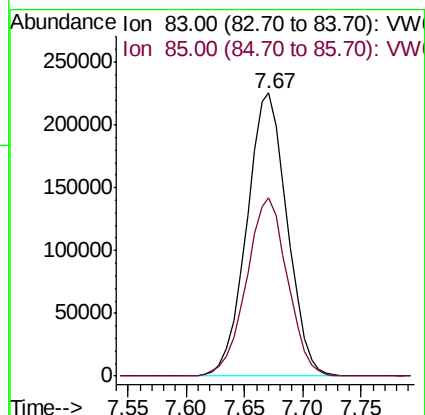
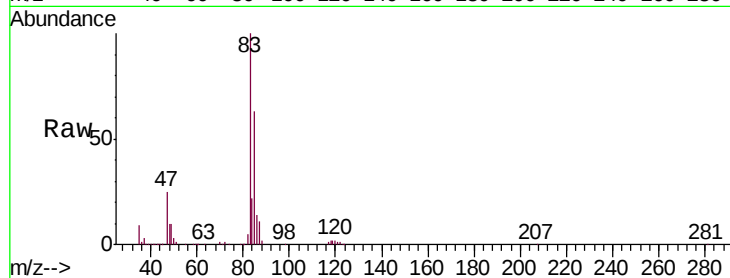
VSTD02520

Tgt Ion: 83 Resp: 542323

Ion Ratio Lower Upper

83 100

85 64.4 45.8 85.2



#27

1,2-Dichloroethane

Concen: 26.155 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW014687.D

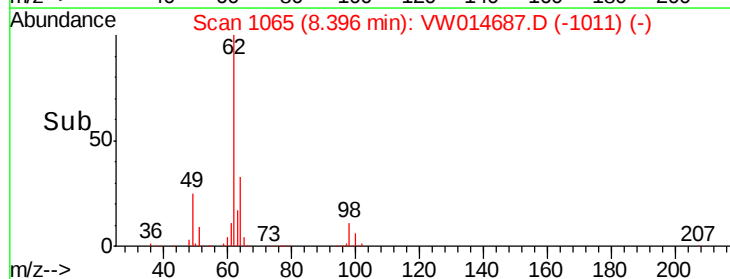
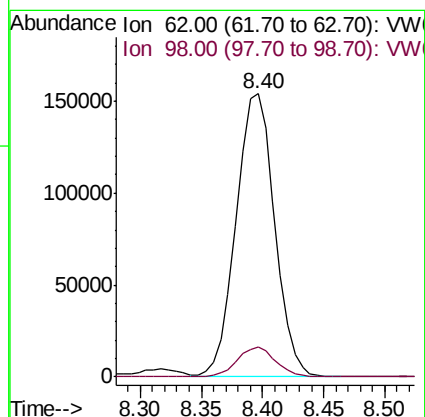
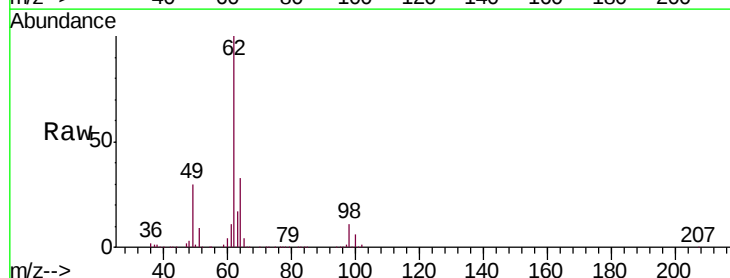
Acq: 20 Jan 2020 10:16

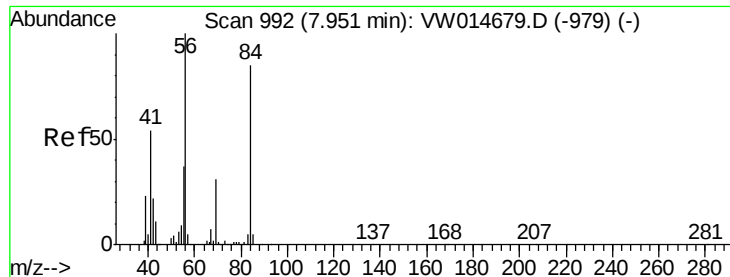
Tgt Ion: 62 Resp: 337651

Ion Ratio Lower Upper

62 100

98 10.6 8.3 12.5

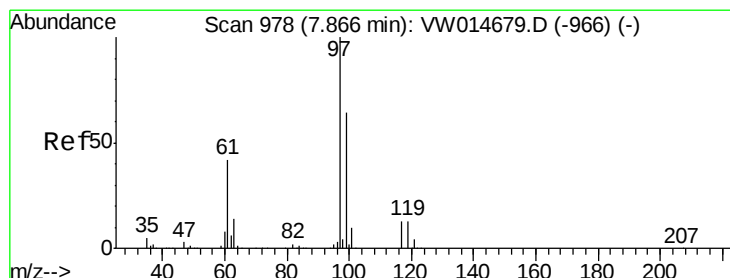
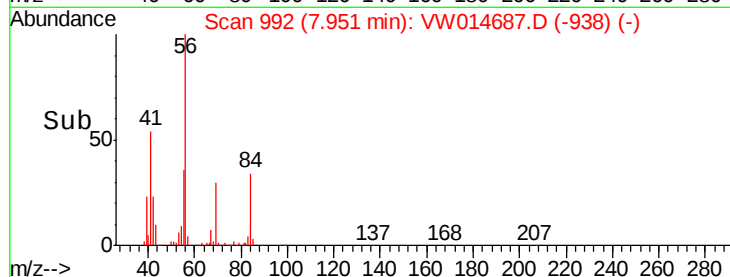
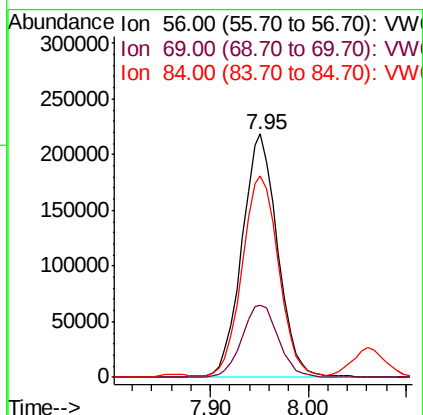
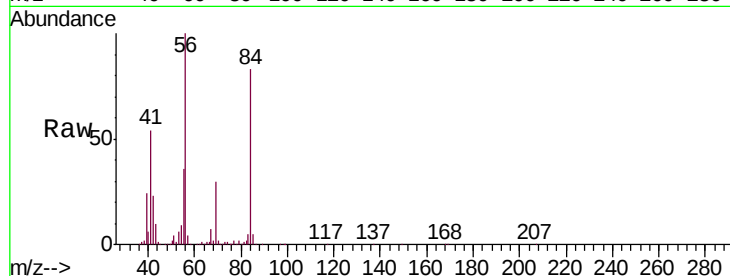




#30
Cyclohexane
Concen: 28.431 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW014687.D
Acq: 20 Jan 2020 10:16

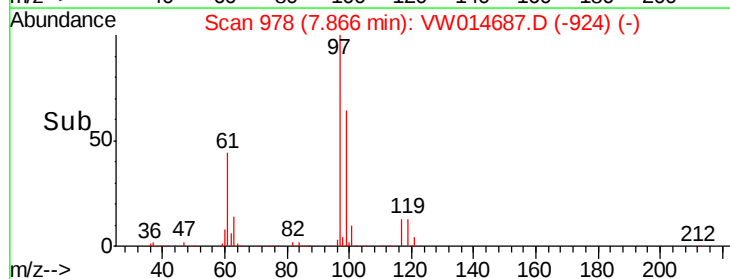
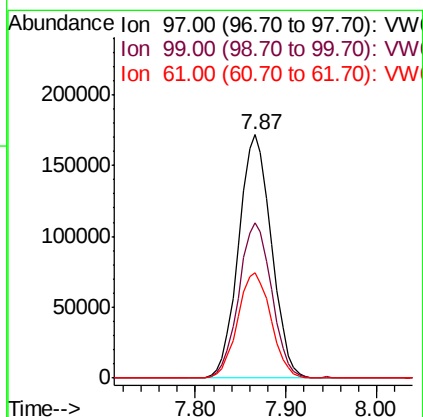
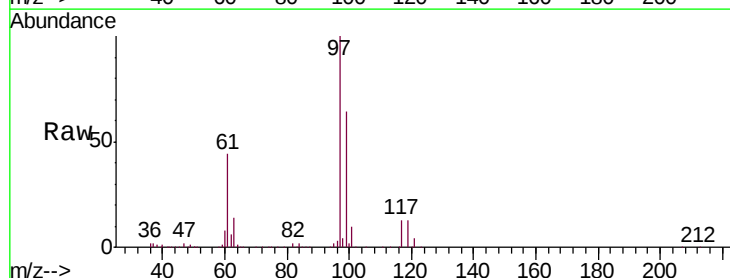
Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

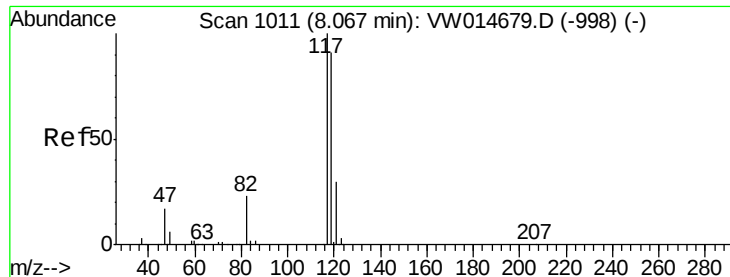
Tgt Ion: 56 Resp: 550975
Ion Ratio Lower Upper
56 100
69 30.4 23.8 35.8
84 85.3 68.2 102.2



#31
1,1,1-Trichloroethane
Concen: 27.695 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW014687.D
Acq: 20 Jan 2020 10:16

Tgt Ion: 97 Resp: 430402
Ion Ratio Lower Upper
97 100
99 64.0 51.6 77.4
61 44.1 35.3 52.9





#32

Carbon tetrachloride

Concen: 27.881 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW014687.D

Acq: 20 Jan 2020 10:16

Instrument :

MSVOA_W

ClientSampleId :

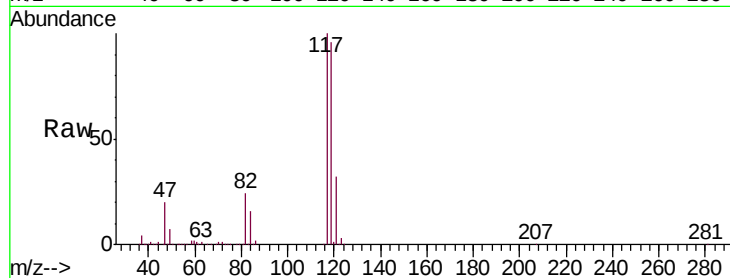
VSTD02520

Tgt Ion:117 Resp: 403688

Ion Ratio Lower Upper

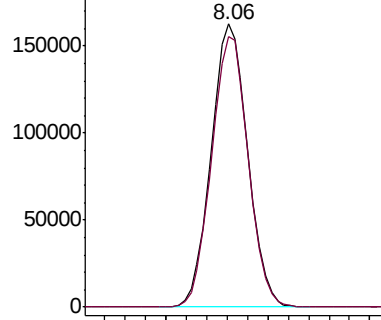
117 100

119 96.1 77.6 116.4

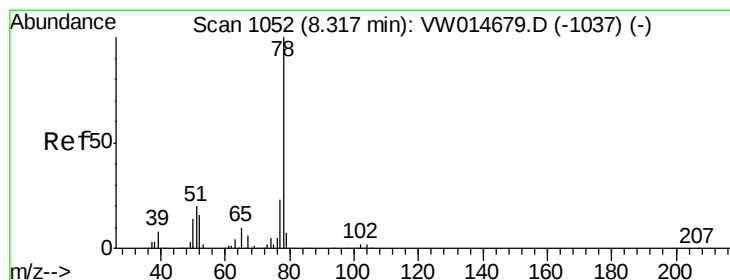
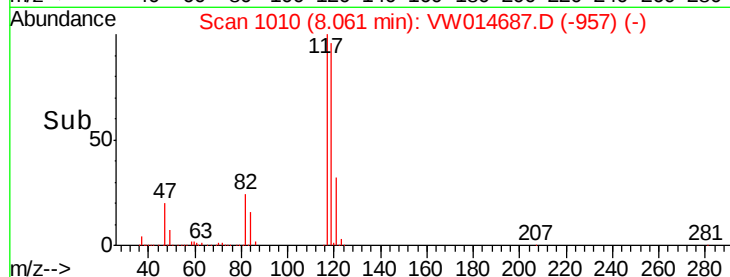


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#34

Benzene

Concen: 27.889 ug/L

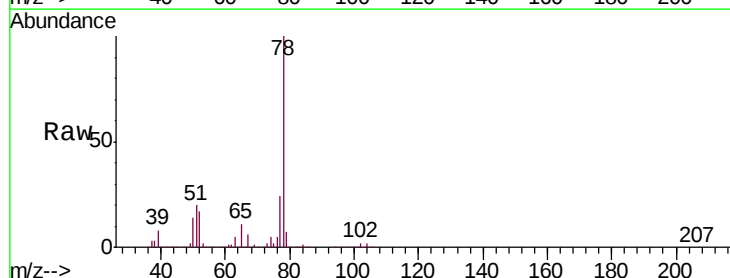
RT: 8.32 min Scan# 1052

Delta R.T. -0.00 min

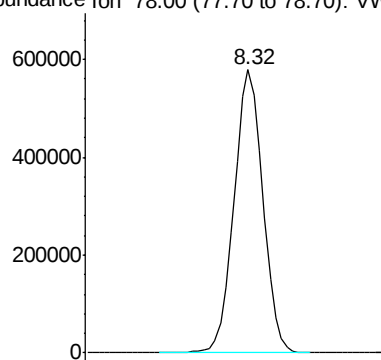
Lab File: VW014687.D

Acq: 20 Jan 2020 10:16

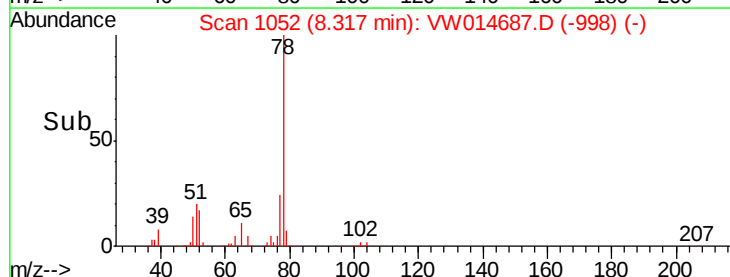
Tgt Ion: 78 Resp: 1271510

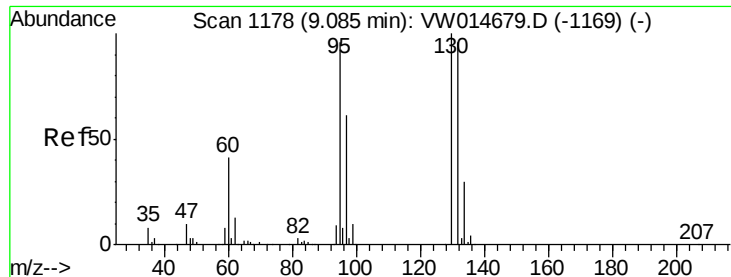


Abundance Ion 78.00 (77.70 to 78.70): VW



Time-->

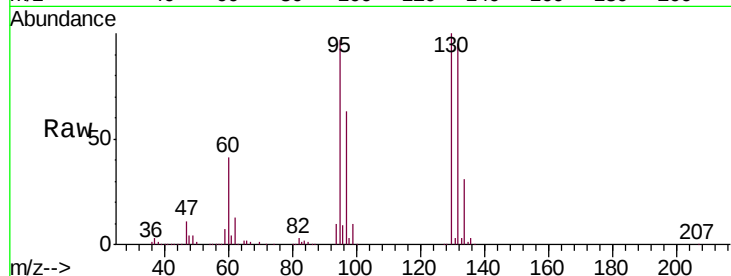




#35
 Trichloroethene
 Concen: 27.254 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VW014687.D
 Acq: 20 Jan 2020 10:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

Tgt Ion:	95	Resp:	320681
Ion	Ratio	Lower	Upper
95	100		
97	64.4	44.3	82.3
132	99.0	69.2	128.6
130	103.8	72.3	134.3



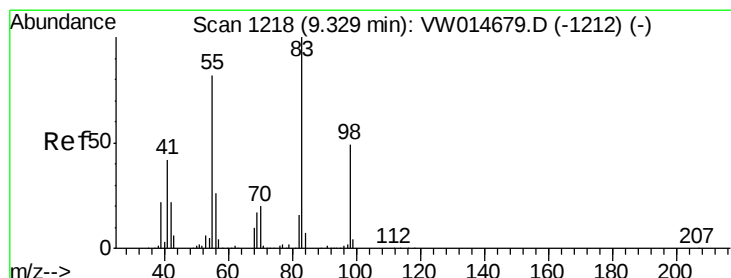
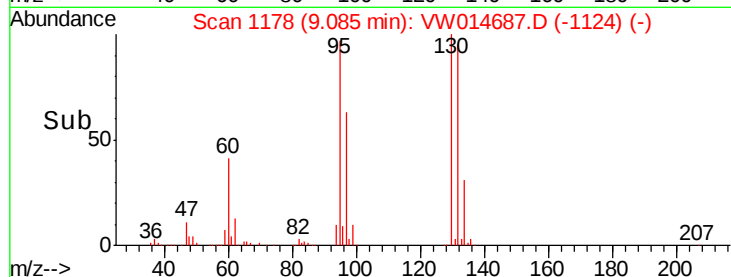
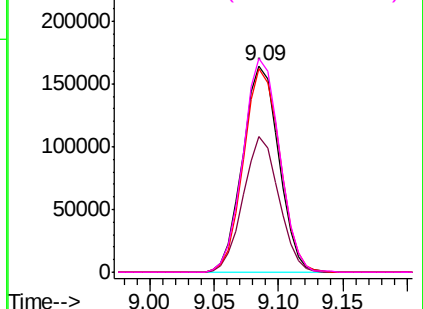
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

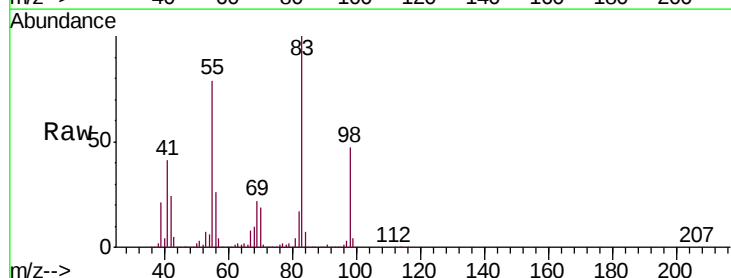
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 28.493 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VW014687.D
 Acq: 20 Jan 2020 10:16

Tgt Ion:	83	Resp:	588175
Ion	Ratio	Lower	Upper
83	100		
55	80.6	63.7	95.5
98	48.2	39.4	59.2

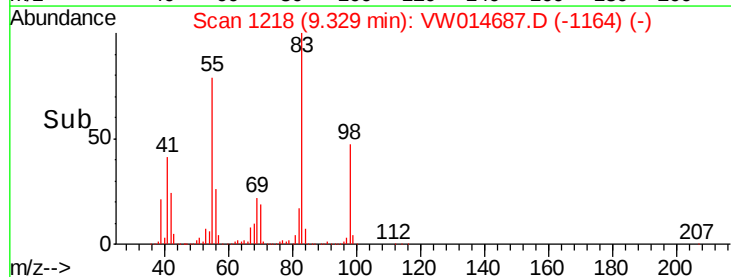
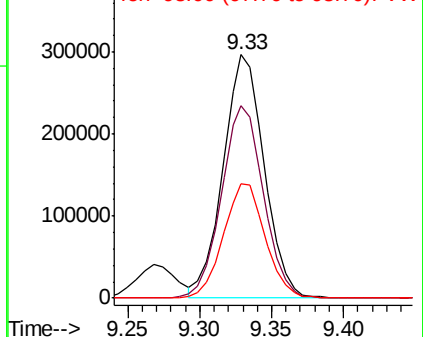


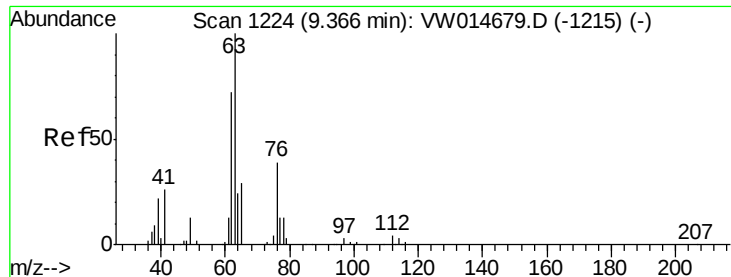
Abundance

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

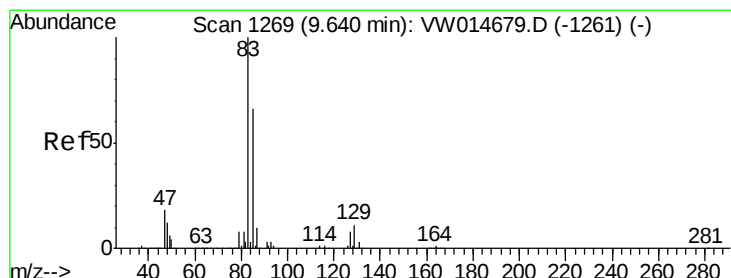
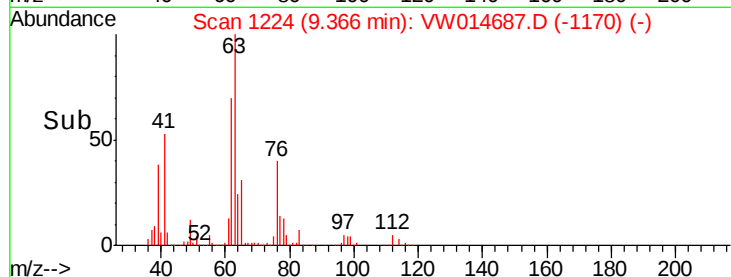
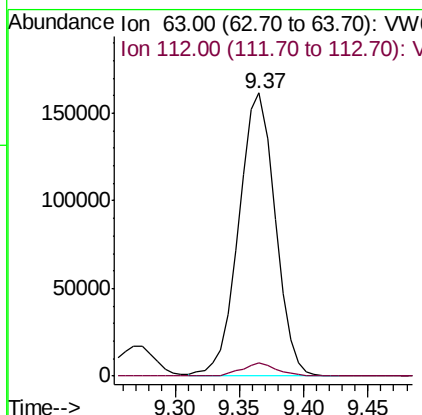
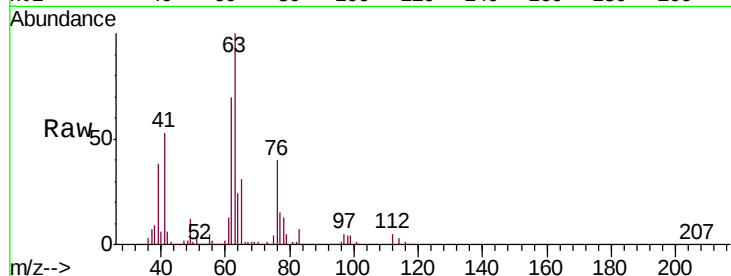




#40
 1,2-Dichloropropane
 Concen: 27.510 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW014687.D
 Acq: 20 Jan 2020 10:16

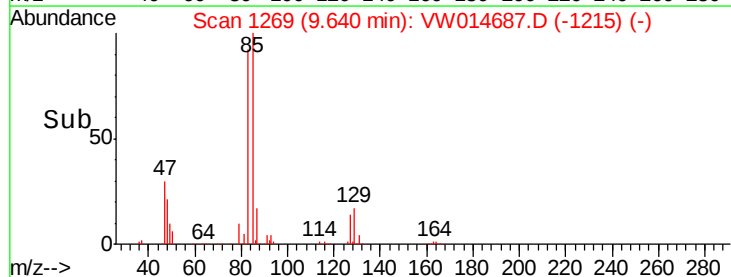
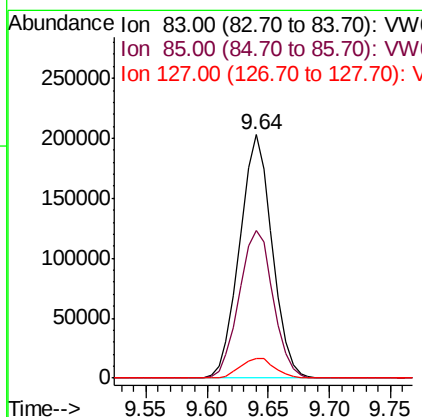
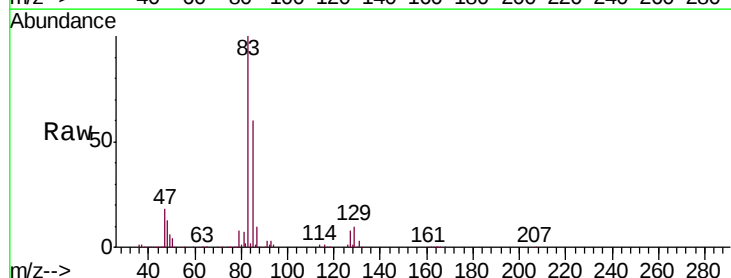
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

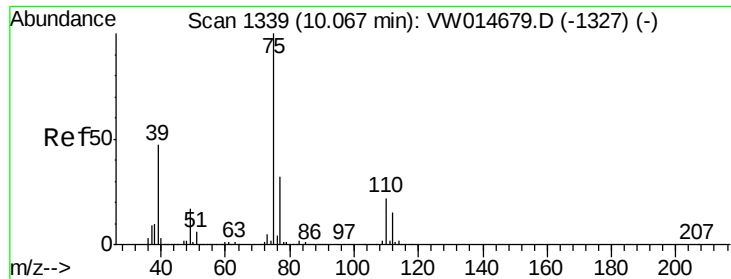
Tgt Ion: 63 Resp: 317448
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.7 5.5



#41
 Bromodichloromethane
 Concen: 26.976 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW014687.D
 Acq: 20 Jan 2020 10:16

Tgt Ion: 83 Resp: 374426
 Ion Ratio Lower Upper
 83 100
 85 60.4 44.7 83.1
 127 8.3 6.3 9.5





#42

cis-1,3-Dichloropropene

Concen: 27.230 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VW014687.D

Acq: 20 Jan 2020 10:16

Instrument :

MSVOA_W

ClientSampled :

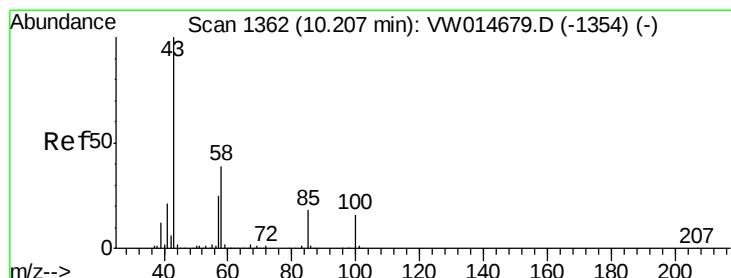
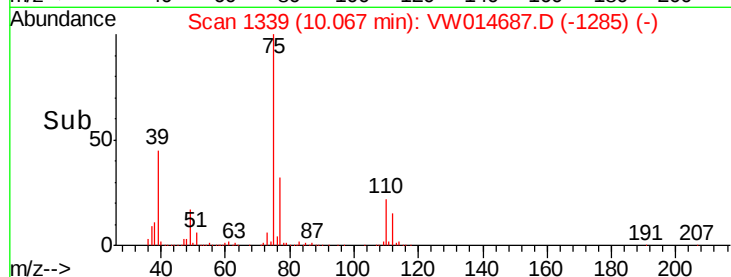
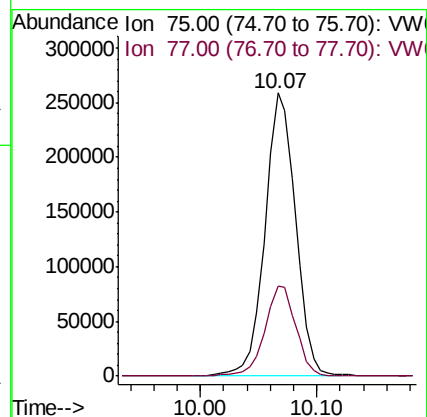
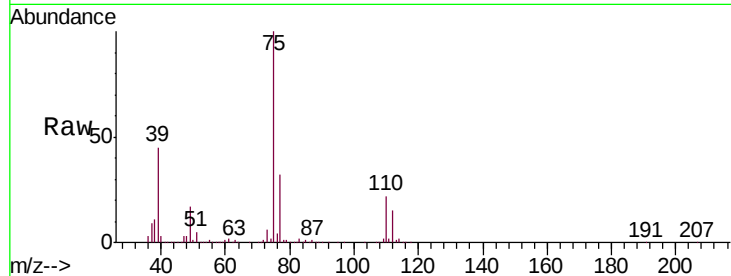
VSTD02520

Tgt Ion: 75 Resp: 469384

Ion Ratio Lower Upper

75 100

77 31.8 21.0 39.0



#43

4-Methyl-2-pentanone

Concen: 52.229 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014687.D

Acq: 20 Jan 2020 10:16

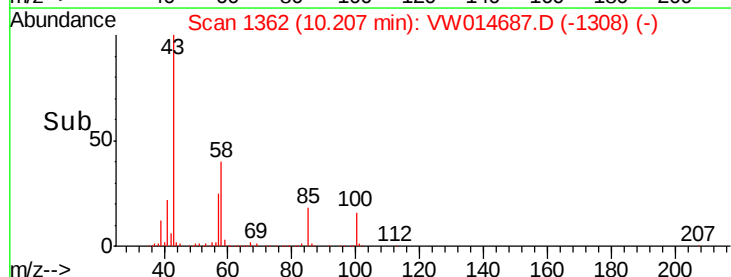
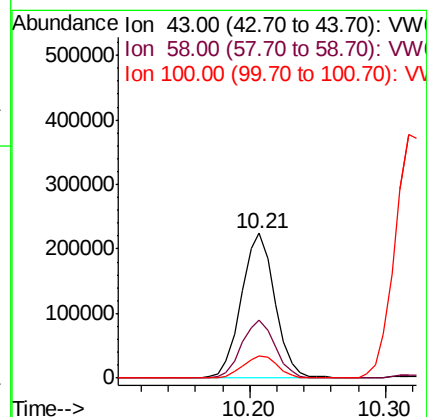
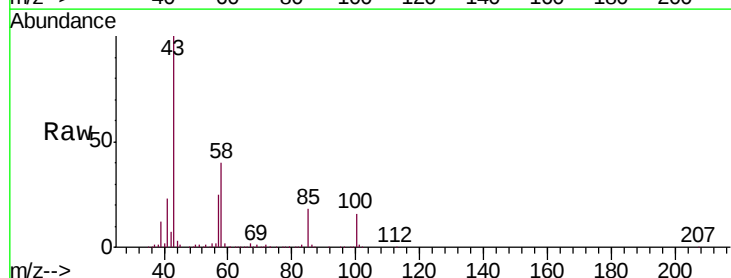
Tgt Ion: 43 Resp: 386897

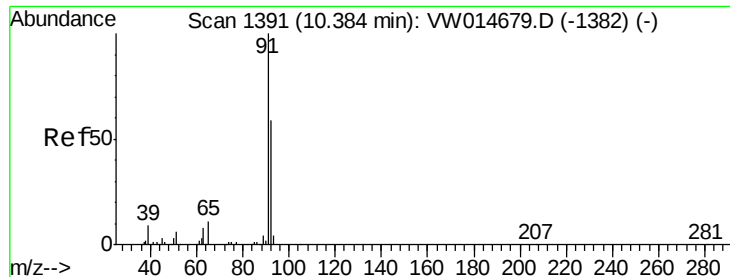
Ion Ratio Lower Upper

43 100

58 40.1 32.6 48.8

100 15.8 12.6 19.0





#44

Toluene

Concen: 27.969 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014687.D

Acq: 20 Jan 2020 10:16

Instrument :

MSVOA_W

ClientSampleId :

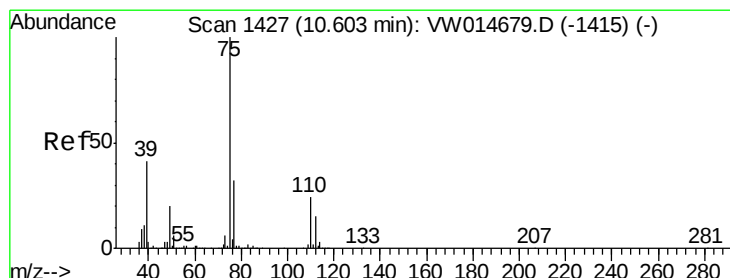
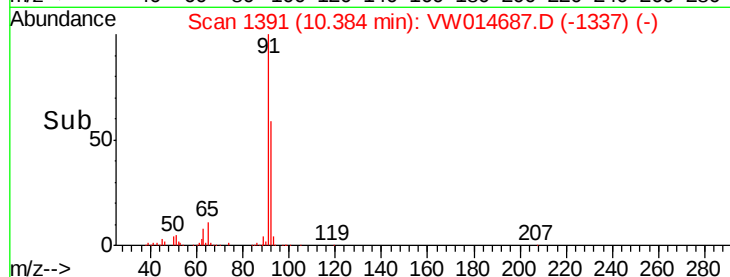
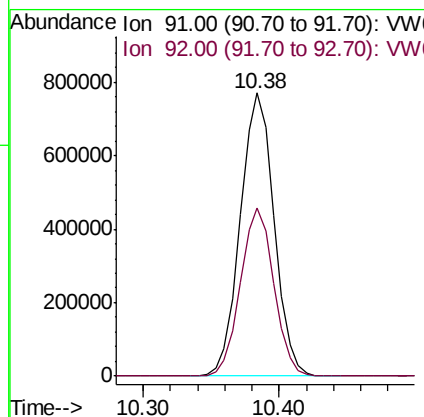
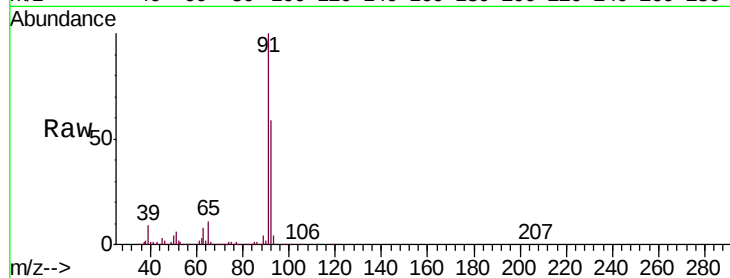
VSTD02520

Tgt Ion: 91 Resp: 1332563

Ion Ratio Lower Upper

91 100

92 59.3 40.2 74.6



#45

trans-1,3-Dichloropropene

Concen: 26.798 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014687.D

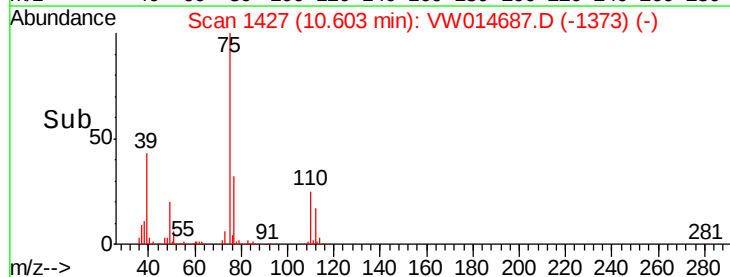
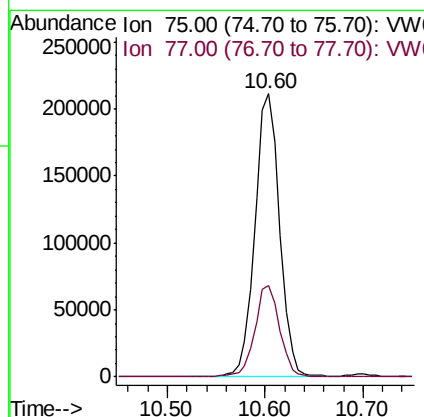
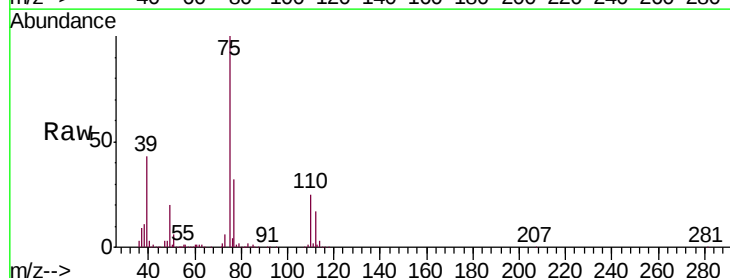
Acq: 20 Jan 2020 10:16

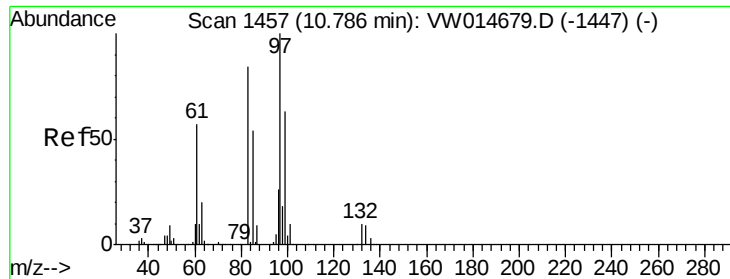
Tgt Ion: 75 Resp: 369363

Ion Ratio Lower Upper

75 100

77 32.1 21.1 39.3

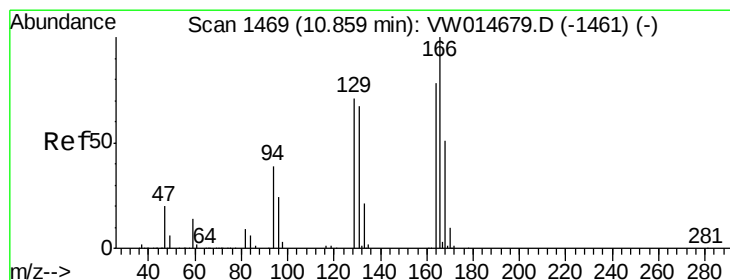
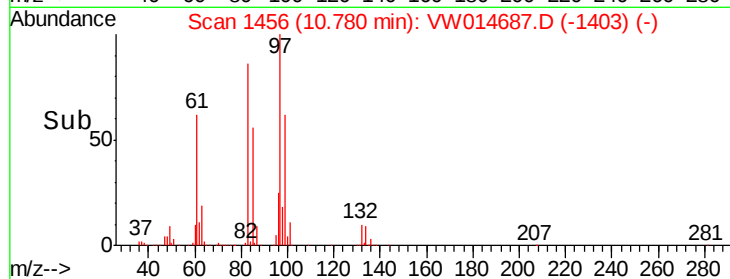
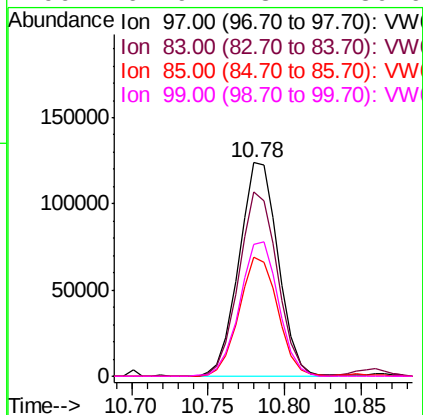
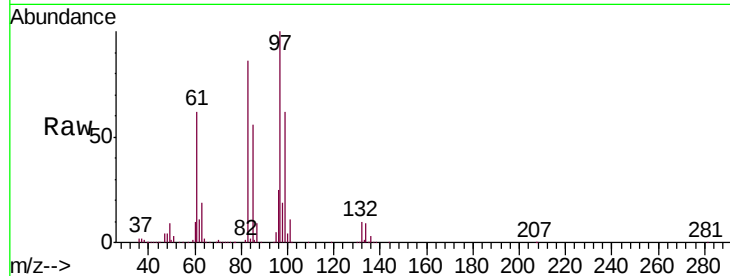




#46
 1,1,2-Trichloroethane
 Concen: 27.032 ug/L
 RT: 10.78 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: VW014687.D
 Acq: 20 Jan 2020 10:16

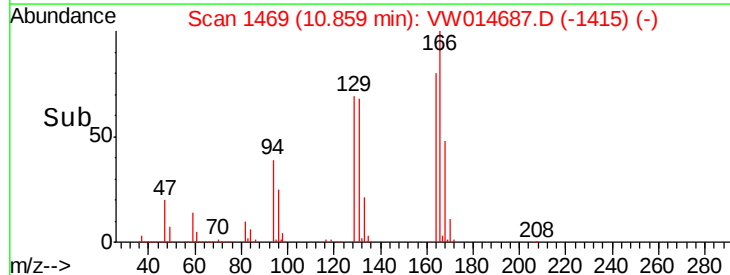
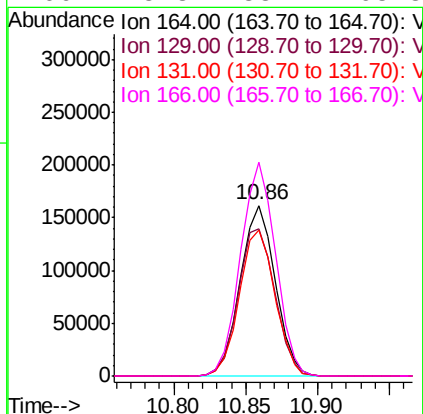
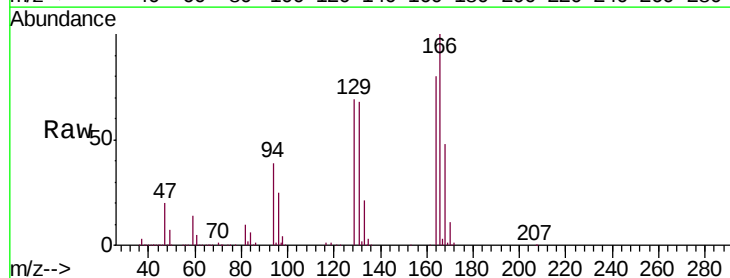
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

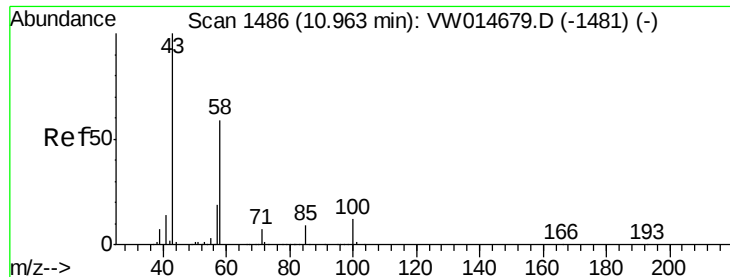
Tgt Ion:	97	Resp:	220942
Ion	Ratio	Lower	Upper
97	100		
83	86.1	60.1	111.5
85	55.9	38.1	70.9
99	61.9	43.4	80.6



#47
 Tetrachloroethene
 Concen: 27.669 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW014687.D
 Acq: 20 Jan 2020 10:16

Tgt Ion:	164	Resp:	273367
Ion	Ratio	Lower	Upper
164	100		
129	86.5	64.0	118.8
131	85.3	60.2	111.8
166	125.3	88.2	163.8

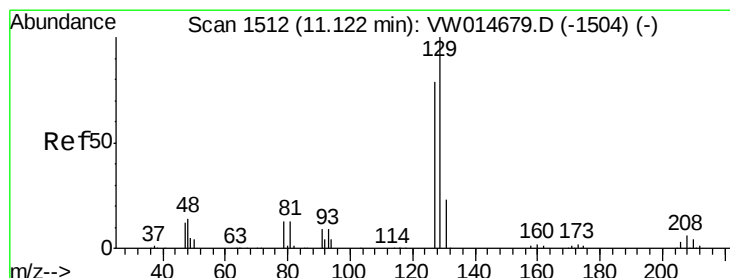
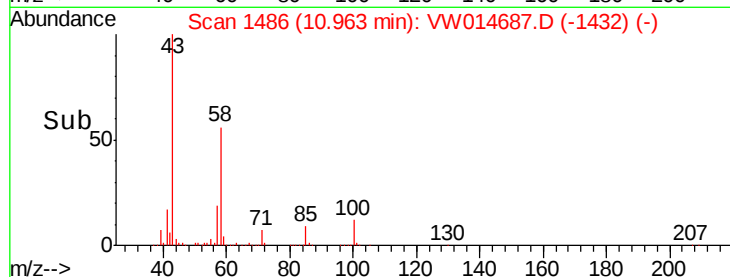
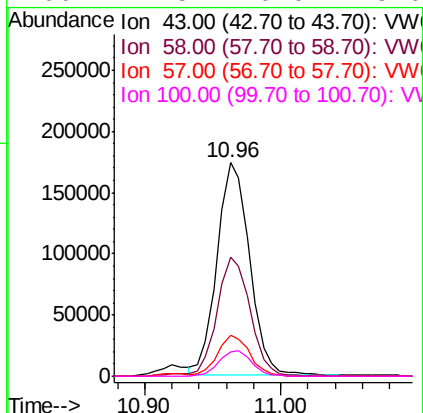
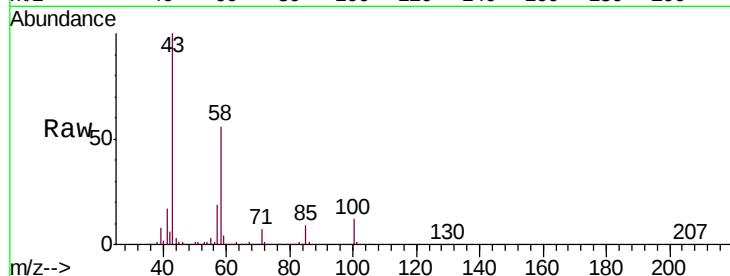




#49
2-Hexanone
Concen: 57.252 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014687.D
Acq: 20 Jan 2020 10:16

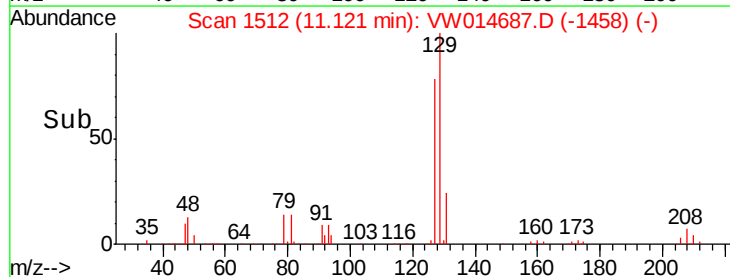
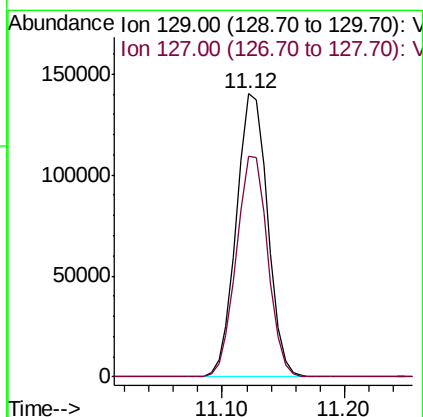
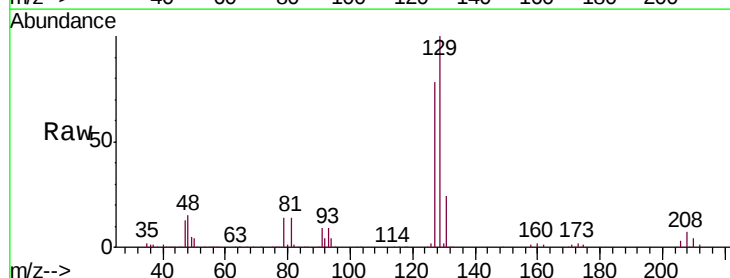
Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

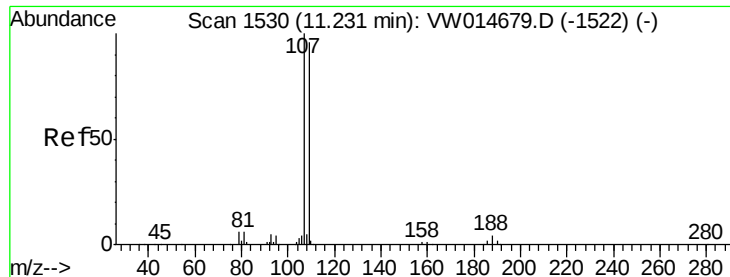
Tgt Ion: 43 Resp: 289609
Ion Ratio Lower Upper
43 100
58 56.6 44.9 67.3
57 19.2 15.3 22.9
100 12.5 10.0 15.0



#50
Dibromochloromethane
Concen: 26.863 ug/L
RT: 11.12 min Scan# 1512
Delta R.T. -0.00 min
Lab File: VW014687.D
Acq: 20 Jan 2020 10:16

Tgt Ion: 129 Resp: 249312
Ion Ratio Lower Upper
129 100
127 77.9 51.1 94.9

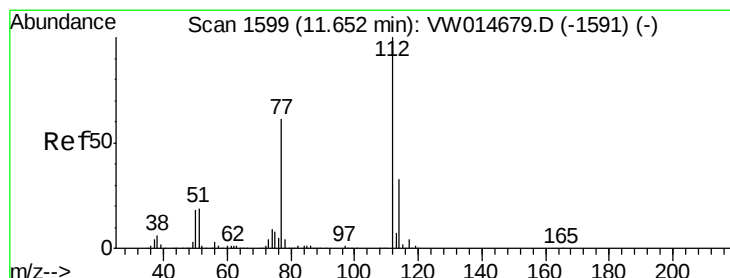
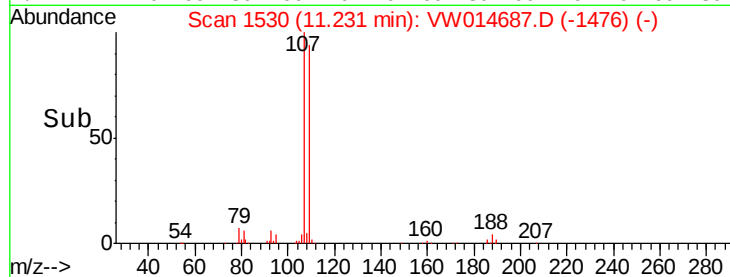
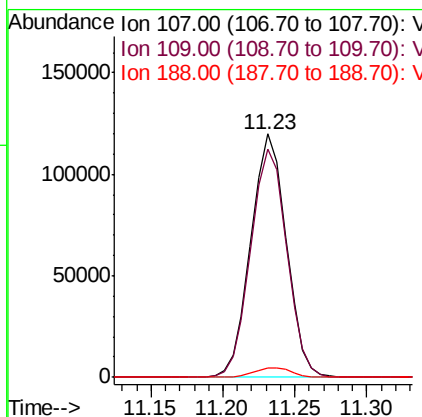
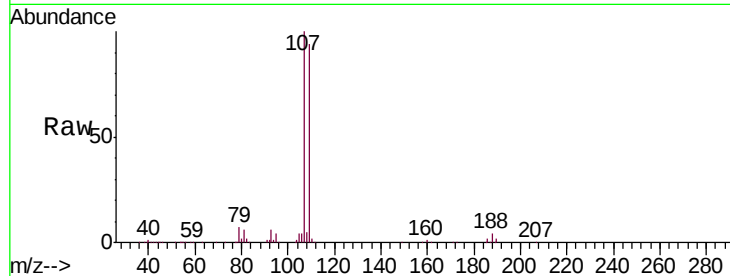




#51
1,2-Dibromoethane
Concen: 26.529 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW014687.D
Acq: 20 Jan 2020 10:16

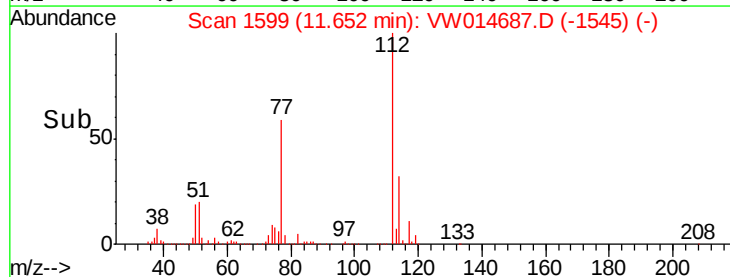
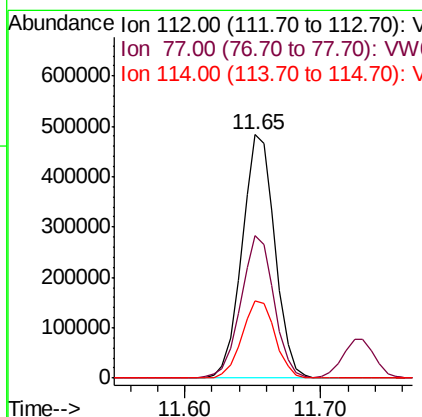
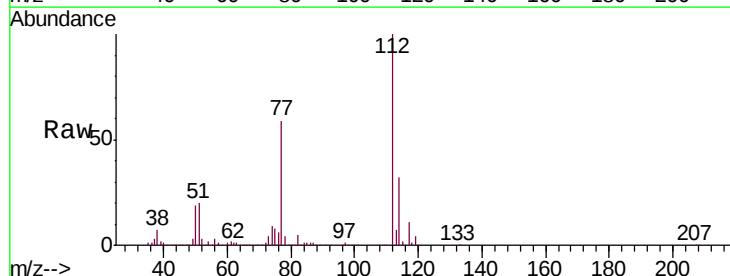
Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

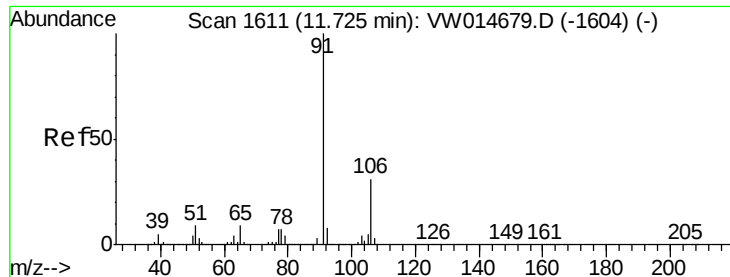
Tgt Ion:107 Resp: 204679
Ion Ratio Lower Upper
107 100
109 93.7 64.7 120.1
188 3.6 3.0 4.6



#52
Chlorobenzene
Concen: 26.968 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VW014687.D
Acq: 20 Jan 2020 10:16

Tgt Ion:112 Resp: 812209
Ion Ratio Lower Upper
112 100
77 58.6 48.2 72.2
114 31.9 22.9 42.5

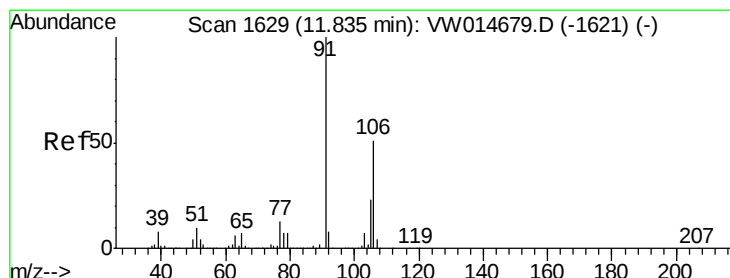
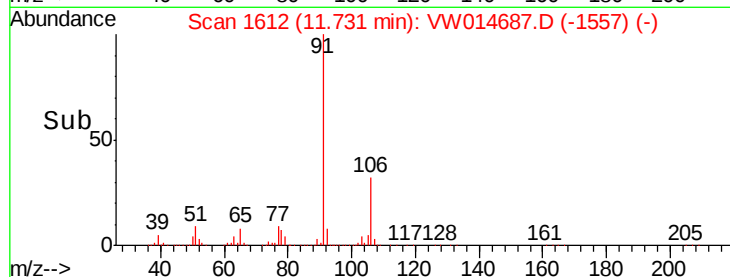
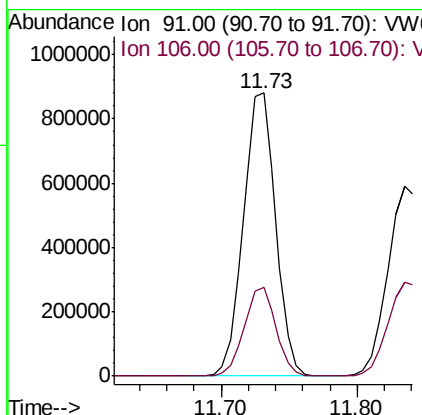
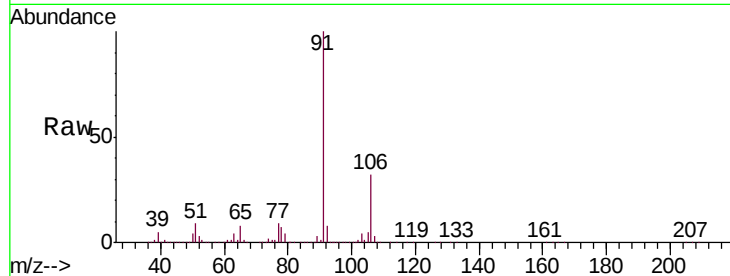




#53
Ethylbenzene
Concen: 27.861 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.01 min
Lab File: VW014687.D
Acq: 20 Jan 2020 10:16

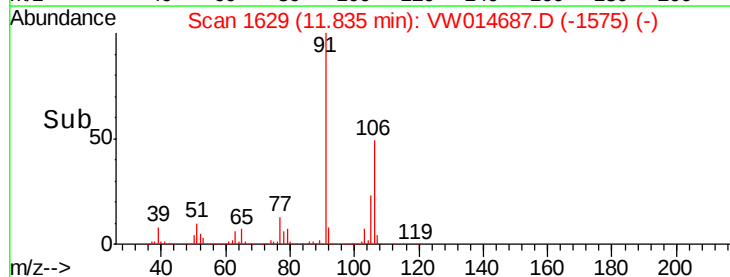
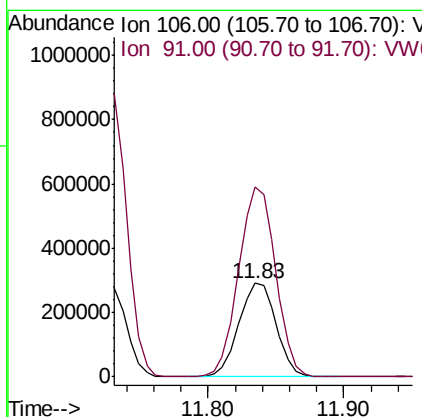
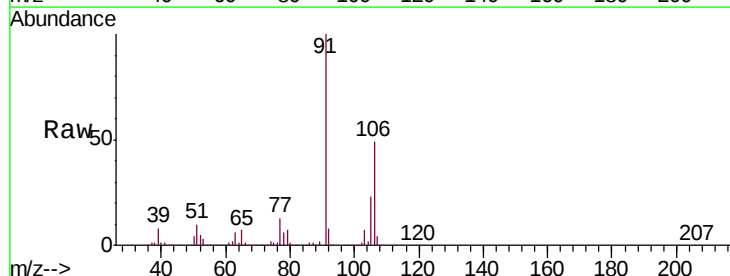
Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

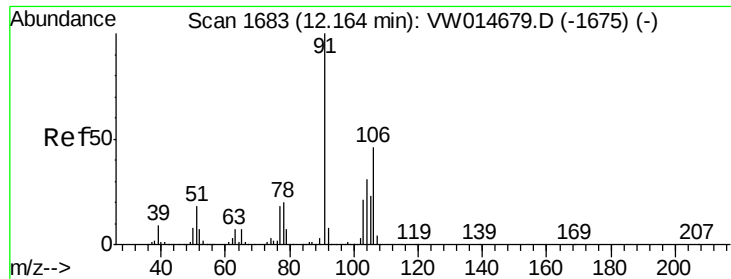
Tgt Ion: 91 Resp: 1459462
Ion Ratio Lower Upper
91 100
106 31.6 21.8 40.6



#54
m,p-Xylene
Concen: 28.065 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW014687.D
Acq: 20 Jan 2020 10:16

Tgt Ion: 106 Resp: 556342
Ion Ratio Lower Upper
106 100
91 202.7 142.2 264.0





#55

o-xylene

Concen: 27.911 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW014687.D

Acq: 20 Jan 2020 10:16

Instrument :

MSVOA_W

ClientSampled :

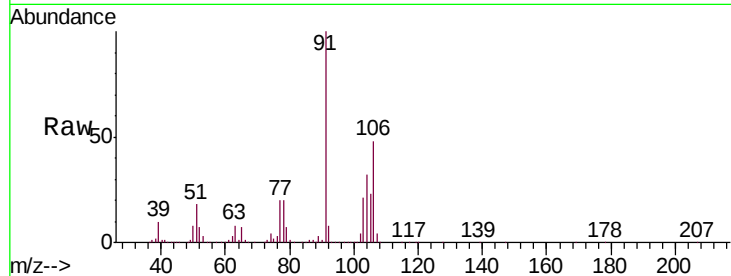
VSTD02520

Tgt Ion:106 Resp: 522608

Ion Ratio Lower Upper

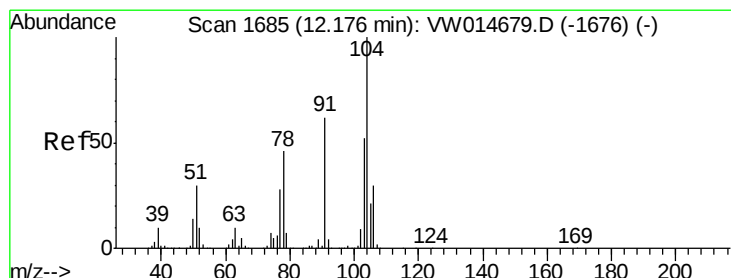
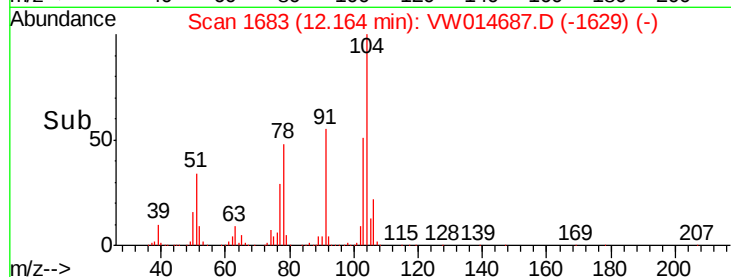
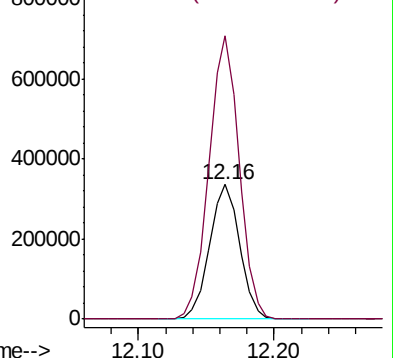
106 100

91 209.9 148.7 276.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.985 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW014687.D

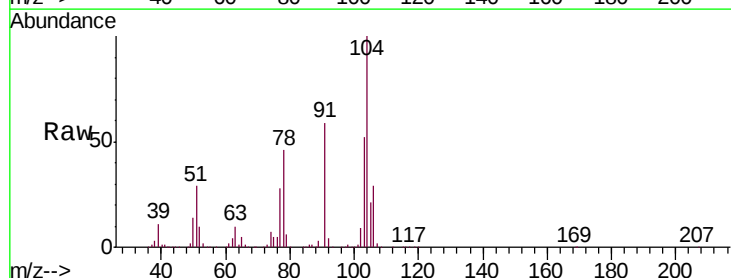
Acq: 20 Jan 2020 10:16

Tgt Ion:104 Resp: 881971

Ion Ratio Lower Upper

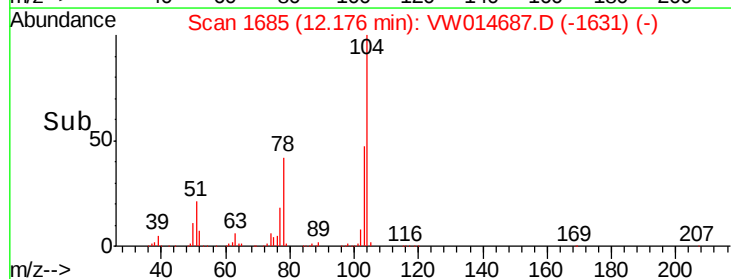
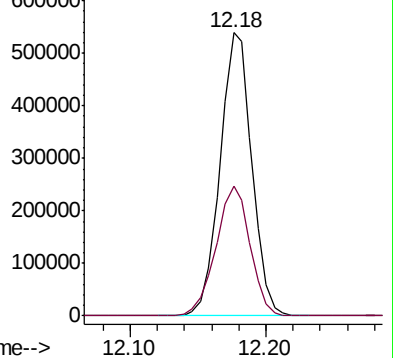
104 100

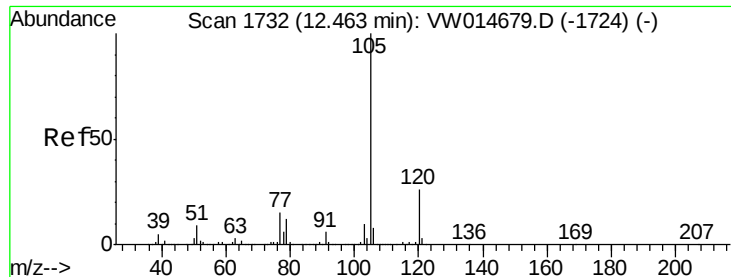
78 46.0 32.3 60.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 28.443 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014687.D

Acq: 20 Jan 2020 10:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

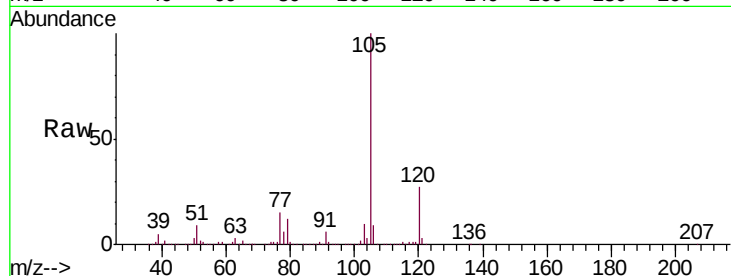
Tgt Ion:105 Resp: 1416664

Ion Ratio Lower Upper

105 100

120 26.7 21.0 31.6

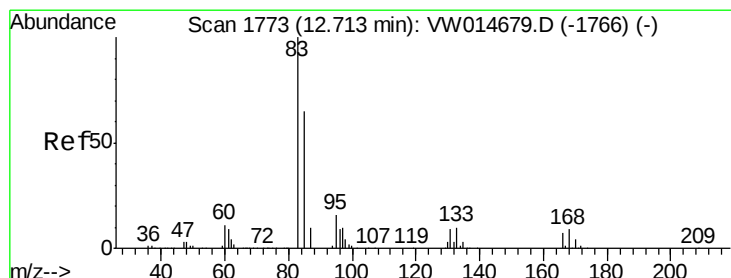
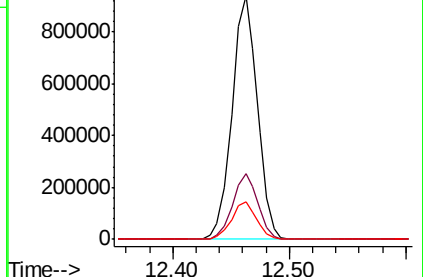
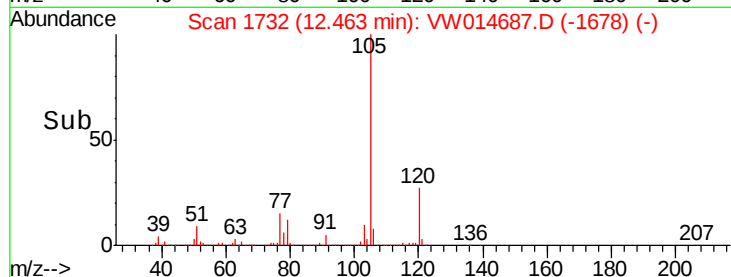
77 15.2 12.2 18.2



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: 26.634 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014687.D

Acq: 20 Jan 2020 10:16

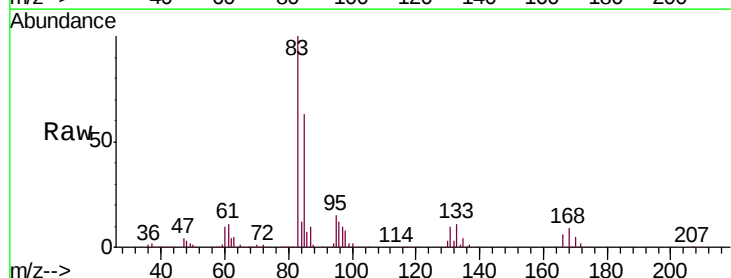
Tgt Ion: 83 Resp: 264312

Ion Ratio Lower Upper

83 100

85 63.3 45.3 84.1

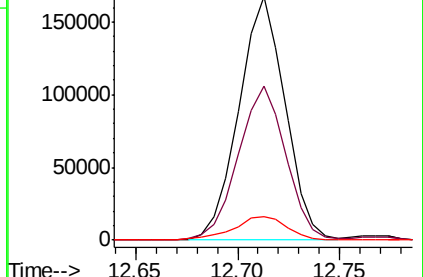
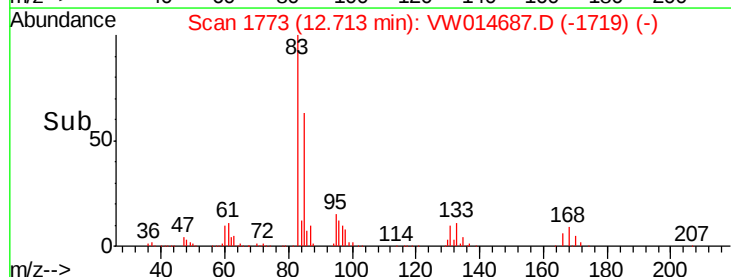
131 9.6 8.0 12.0

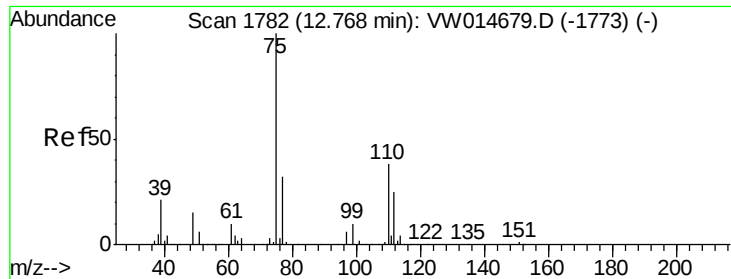


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.430 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014687.D

Acq: 20 Jan 2020 10:16

Instrument :

MSVOA_W

ClientSampleId :

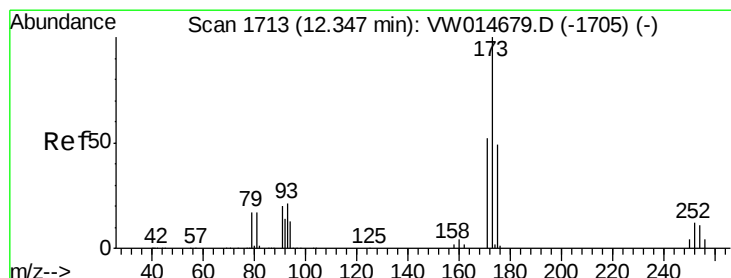
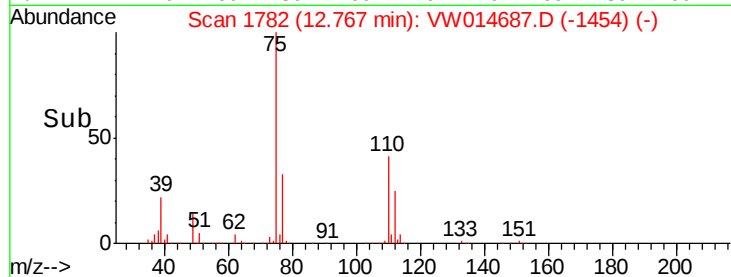
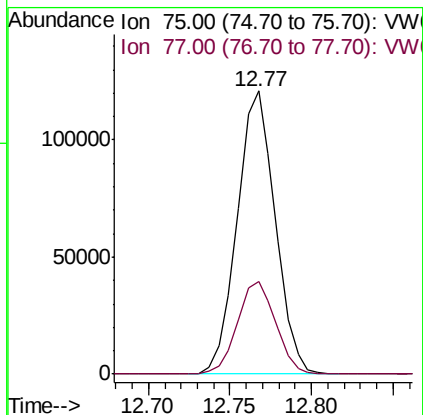
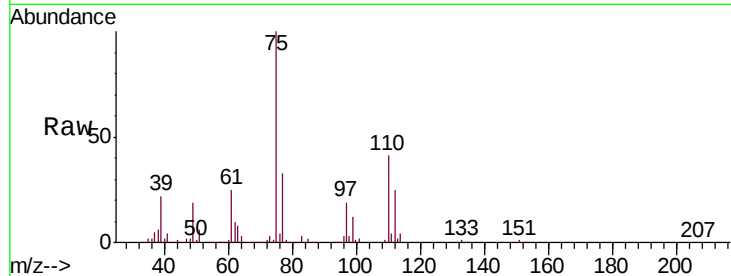
VSTD02520

Tgt Ion: 75 Resp: 196483

Ion Ratio Lower Upper

75 100

77 32.7 26.2 39.2



#62

Bromoform

Concen: 26.234 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014687.D

Acq: 20 Jan 2020 10:16

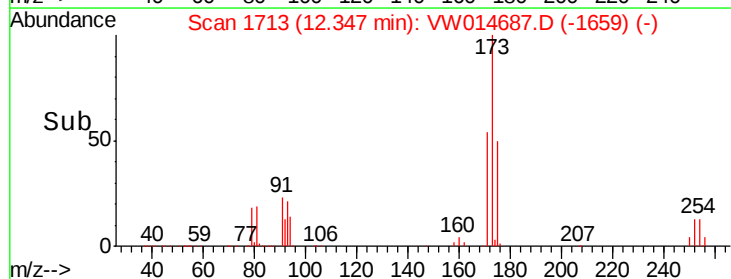
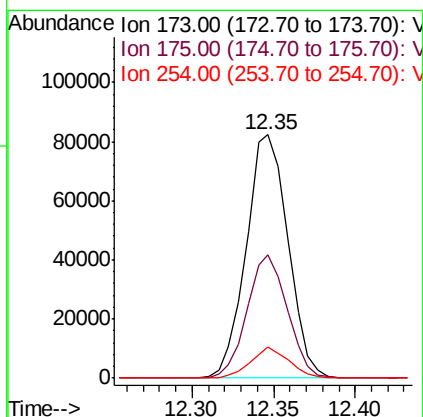
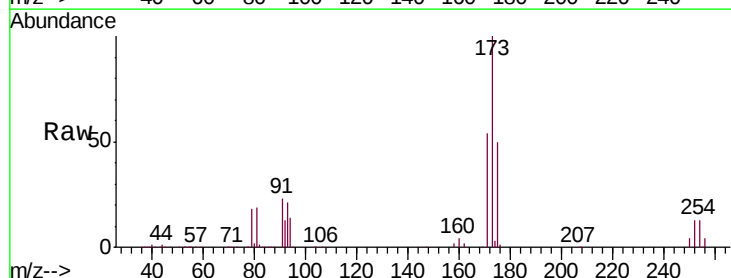
Tgt Ion: 173 Resp: 146964

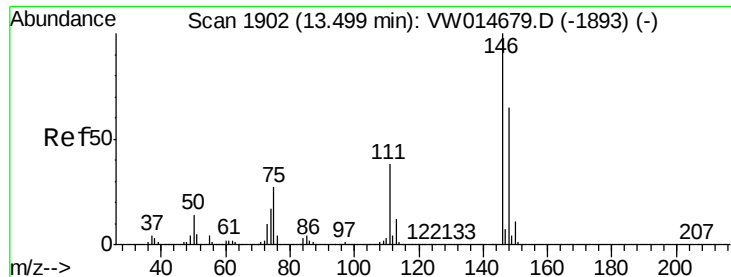
Ion Ratio Lower Upper

173 100

175 48.8 40.5 60.7

254 11.6 9.3 13.9

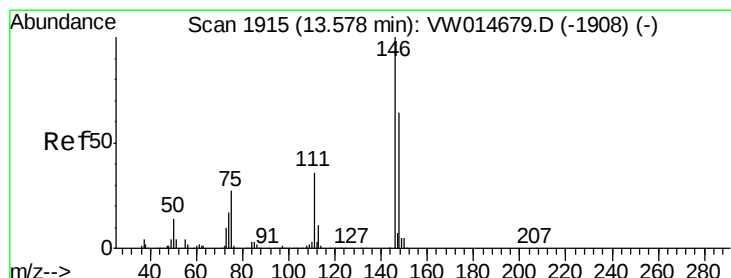
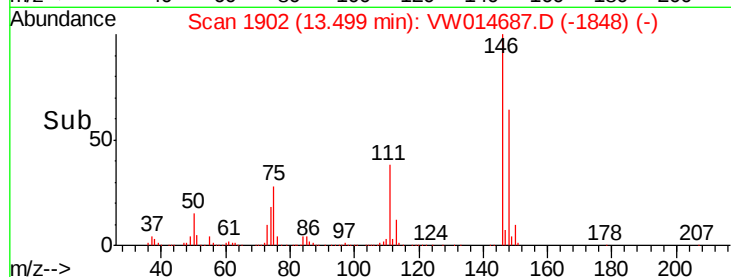
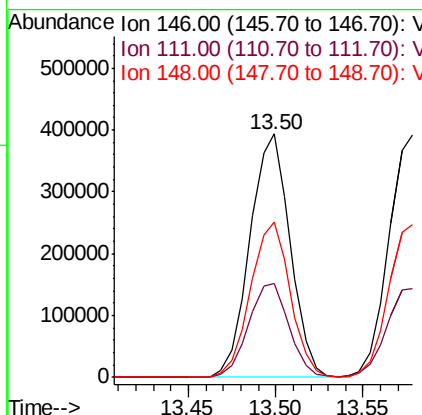
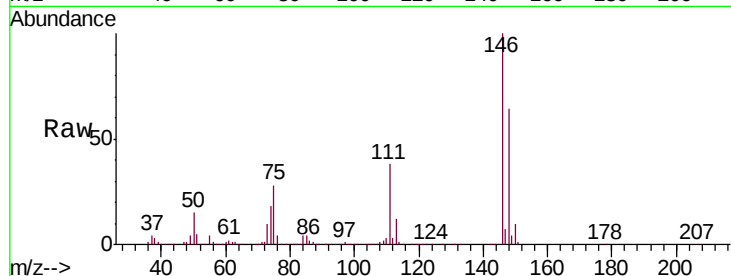




#63
 1,3-Dichlorobenzene
 Concen: 26.708 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014687.D
 Acq: 20 Jan 2020 10:16

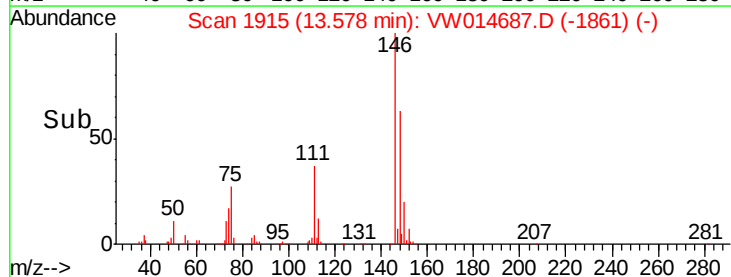
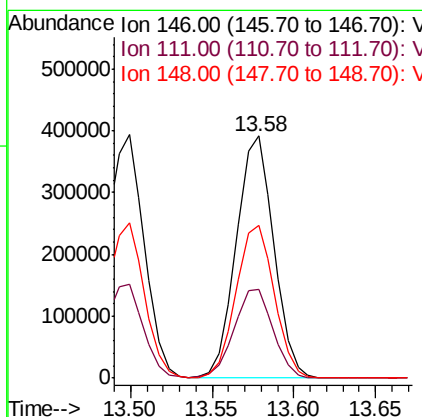
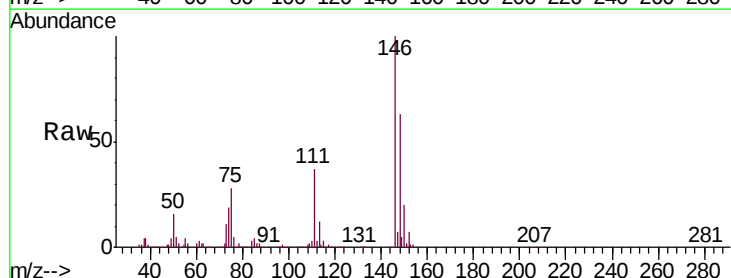
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

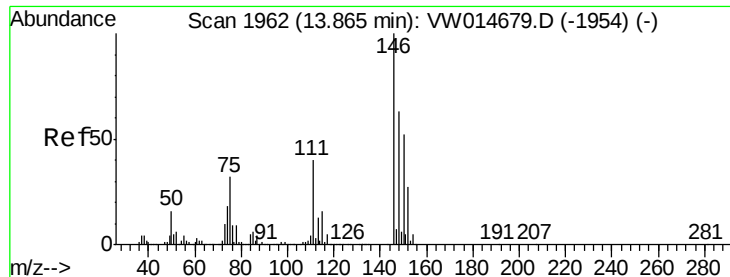
Tgt Ion:146 Resp: 633912
 Ion Ratio Lower Upper
 146 100
 111 38.4 26.9 50.1
 148 63.5 45.1 83.7



#64
 1,4-Dichlorobenzene
 Concen: 26.271 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014687.D
 Acq: 20 Jan 2020 10:16

Tgt Ion:146 Resp: 628726
 Ion Ratio Lower Upper
 146 100
 111 36.7 24.5 45.5
 148 62.9 44.4 82.4

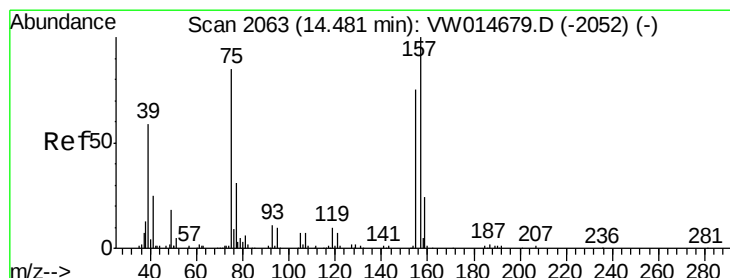
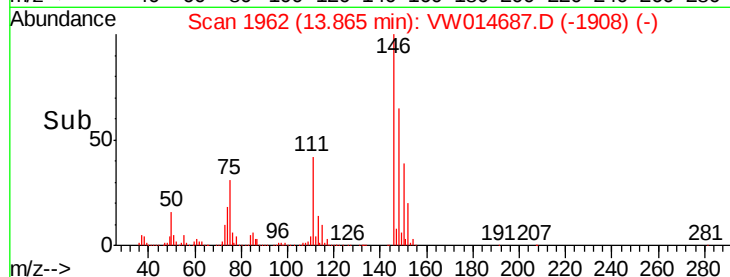
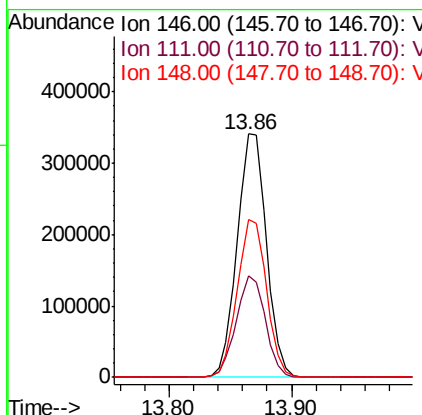
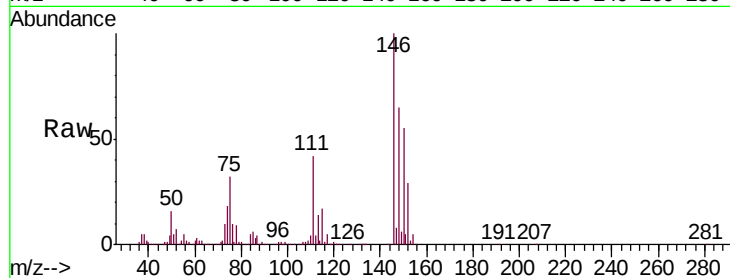




#65
 1,2-Dichlorobenzene
 Concen: 26.565 ug/L
 RT: 13.86 min Scan# 1962
 Delta R.T. -0.00 min
 Lab File: VW014687.D
 Acq: 20 Jan 2020 10:16

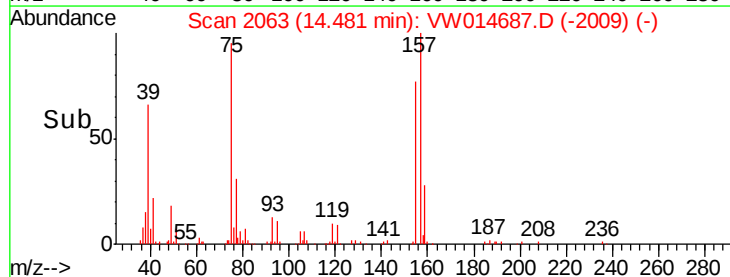
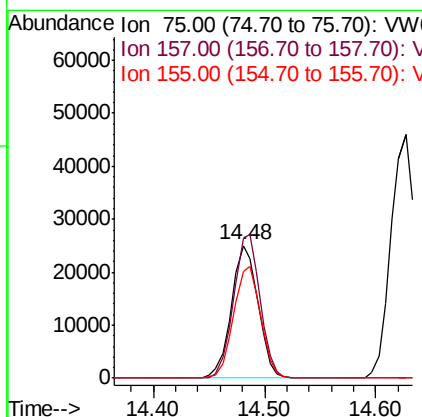
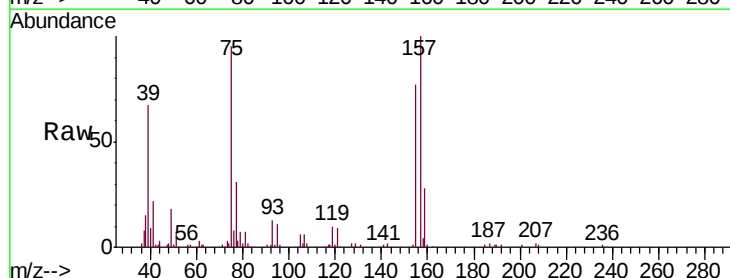
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

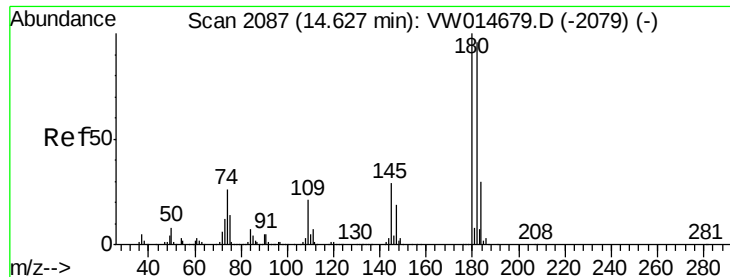
Tgt Ion: 146 Resp: 565227
 Ion Ratio Lower Upper
 146 100
 111 41.7 34.2 51.2
 148 64.6 51.8 77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.415 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014687.D
 Acq: 20 Jan 2020 10:16

Tgt Ion: 75 Resp: 41620
 Ion Ratio Lower Upper
 75 100
 157 104.9 87.2 130.8
 155 80.4 67.8 101.8

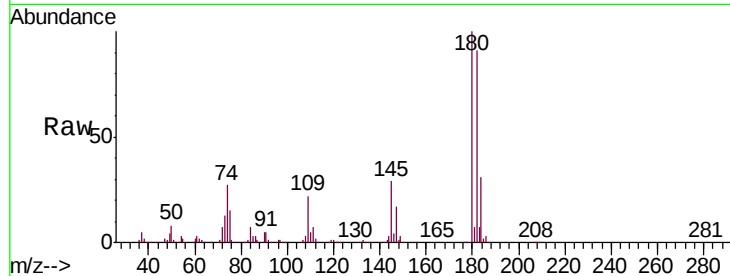




#67
 1,3,5-Trichlorobenzene
 Concen: 27.280 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014687.D
 Acq: 20 Jan 2020 10:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

Tgt Ion:	180	Resp:	479643
Ion	Ratio	Lower	Upper
180	100		
182	93.6	75.8	113.6
184	30.8	24.0	36.0
145	27.8	22.6	33.8



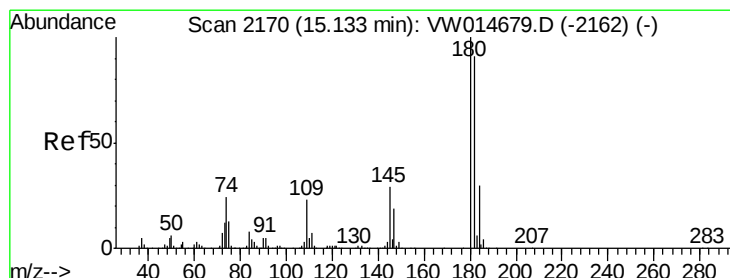
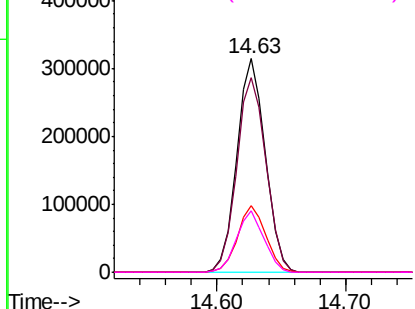
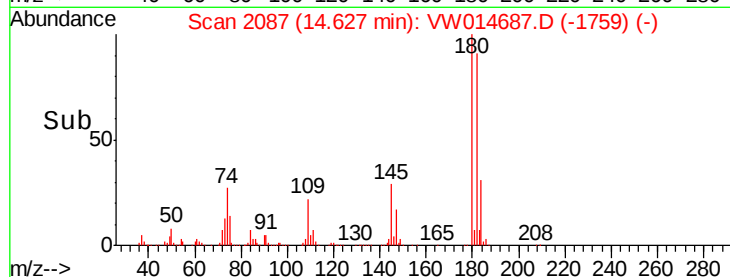
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

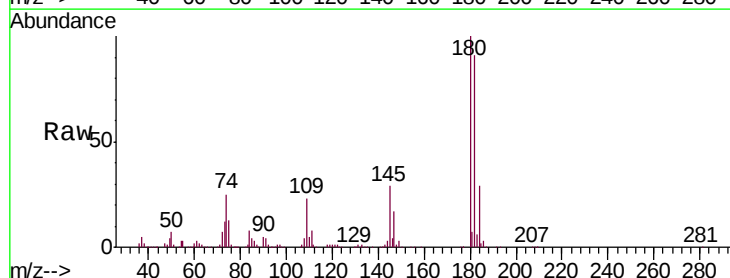
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 28.035 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014687.D
 Acq: 20 Jan 2020 10:16

Tgt Ion:	180	Resp:	369495
Ion	Ratio	Lower	Upper
180	100		
182	93.1	76.2	114.4
145	28.7	23.1	34.7

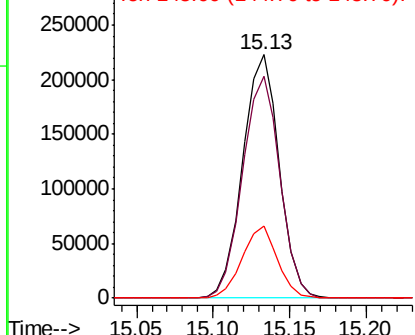
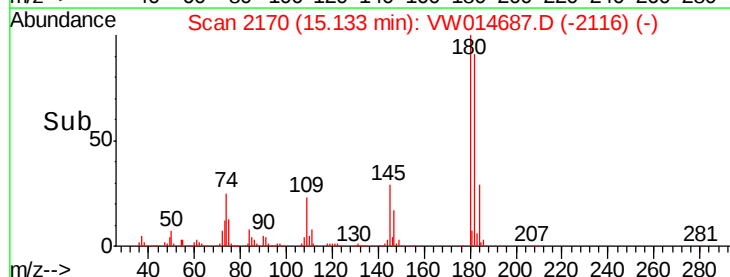


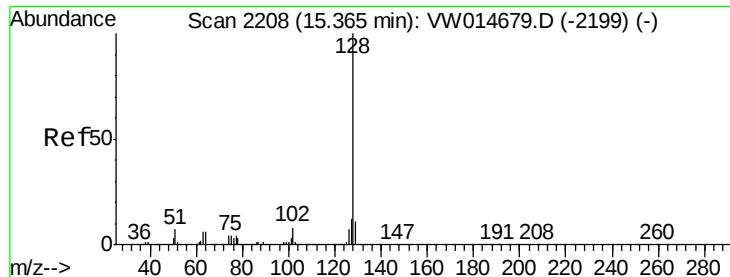
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 29.414 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014687.D

Acq: 20 Jan 2020 10:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

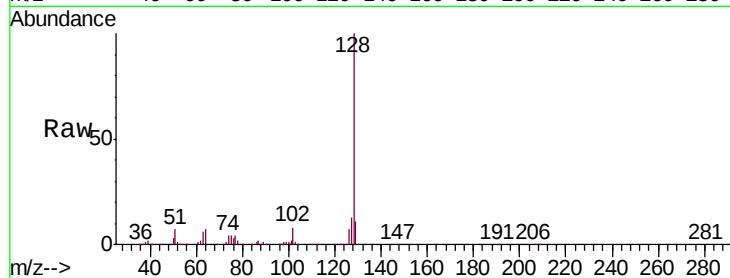
Tgt Ion:128 Resp: 669285

Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

127 13.0 10.6 16.0

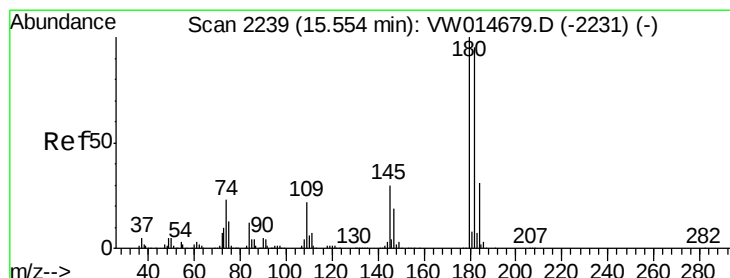
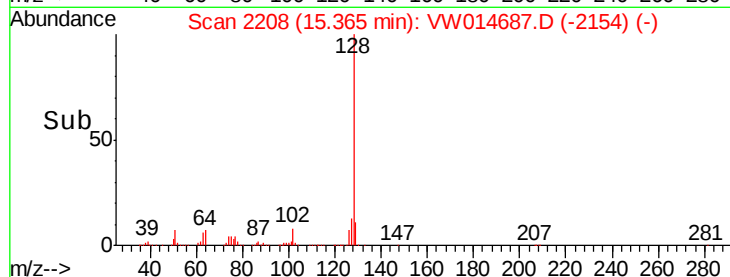
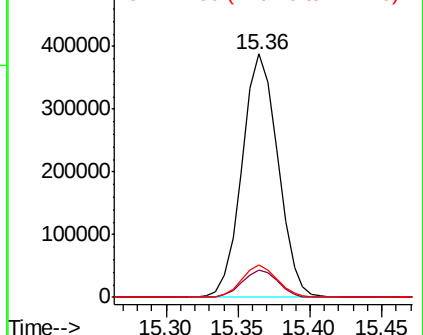


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 27.842 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014687.D

Acq: 20 Jan 2020 10:16

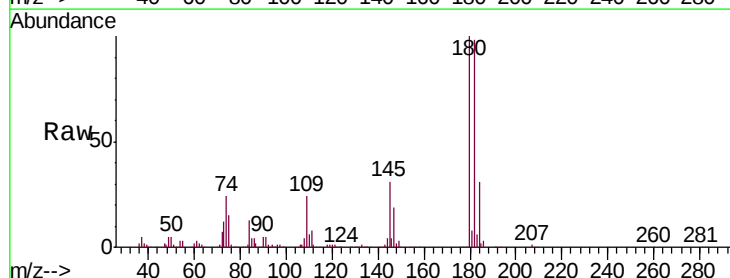
Tgt Ion:180 Resp: 332524

Ion Ratio Lower Upper

180 100

182 96.4 77.0 115.6

145 30.7 24.9 37.3



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

